

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058880.D
 Acq On : 21 Oct 2019 12:11
 Operator : JC/SP
 Sample : K5451-04MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

Manual Integrations
 APPROVED

Quant Time: Oct 22 04:18:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	440084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	714934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	656973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	320604	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
35) Dibromofluoromethane	7.57	113	232145	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	908117	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	332537	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	259790	47.347	ug/l	99
3) Chloromethane	2.04	50	314030	46.210	ug/l	100
4) Vinyl Chloride	2.17	62	321427	47.637	ug/l	99
5) Bromomethane	2.54	94	198882	47.069	ug/l	99
6) Chloroethane	2.68	64	203176	46.955	ug/l	99
7) Trichlorofluoromethane	3.00	101	394051	47.198	ug/l	100
8) Diethyl Ether	3.39	74	140123	48.568	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	217047	46.895	ug/l	100
10) Methyl Iodide	3.93	142	294565	48.390	ug/l	99
11) Tert butyl alcohol	4.76	59	249688	233.114	ug/l	100
12) 1,1-Dichloroethene	3.72	96	211701	48.797	ug/l	98
13) Acrolein	3.58	56	176861	240.314	ug/l	99
14) Allyl chloride	4.30	41	437461	49.831	ug/l	99
15) Acrylonitrile	4.96	53	675828	250.841	ug/l	100
16) Acetone	3.79	43	599734	188.037	ug/l	98
17) Carbon Disulfide	4.03	76	658544	47.122	ug/l	99
18) Methyl Acetate	4.30	43	340496	46.957	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	776049	51.085	ug/l	99
20) Methylene Chloride	4.53	84	254203	46.677	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	233199	48.673	ug/l	96
22) Diisopropyl ether	5.93	45	883646	51.461	ug/l	97
23) Vinyl Acetate	5.87	43	3798662	275.348	ug/l	100
24) 1,1-Dichloroethane	5.82	63	486065	48.818	ug/l	99
25) 2-Butanone	6.81	43	943954	227.996	ug/l	99
26) 2,2-Dichloropropane	6.80	77	424259	49.262	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	283549	51.807	ug/l	99
28) Bromochloromethane	7.18	49	161456	48.691	ug/l	100
29) Tetrahydrofuran	7.19	42	637182	251.580	ug/l	100
30) Chloroform	7.35	83	475068	47.566	ug/l	99
31) Cyclohexane	7.63	56	438187	47.240	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	412276	48.973	ug/l	100
36) 1,1-Dichloropropene	7.78	75	361571	49.399	ug/l	99
37) Ethyl Acetate	6.91	43	435859	54.650	ug/l	100
38) Carbon Tetrachloride	7.76	117	360817	47.851	ug/l	99

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 APPROVED

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	412842	50.232	ug/l	99
40) Benzene	8.02	78	1063093	49.461	ug/l	98
41) Methacrylonitrile	7.16	41	162626m	45.783	ug/l	
42) 1,2-Dichloroethane	8.11	62	403456	48.730	ug/l	99
43) Isopropyl Acetate	8.15	43	644721	50.405	ug/l	100
44) Trichloroethene	8.82	130	289323	55.259	ug/l	99 MMDadoda
45) 1,2-Dichloropropane	9.11	63	290593	49.305	ug/l	99
46) Dibromomethane	9.20	93	180757	48.513	ug/l	99
47) Bromodichloromethane	9.39	83	378897	49.340	ug/l	98
48) Methyl methacrylate	9.19	41	301146	51.893	ug/l	100
49) 1,4-Dioxane	9.19	88	85753	900.163	ug/l	99 10/22/2019 4:55:19 PM
51) 4-Methyl-2-Pentanone	9.98	43	1986064	265.836	ug/l	100
52) Toluene	10.15	92	652795	51.216	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	433253	50.964	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	449259	49.464	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	257944	49.125	ug/l	99
56) Ethyl methacrylate	10.43	69	409767	46.607	ug/l	100
57) 1,3-Dichloropropane	10.70	76	452706	49.124	ug/l	99
59) 2-Hexanone	10.75	43	1485753	257.358	ug/l	99
60) Dibromochloromethane	10.90	129	280902	49.703	ug/l	99
61) 1,2-Dibromoethane	11.00	107	264665	49.254	ug/l	100
64) Tetrachloroethene	10.63	164	224760	48.850	ug/l	98
65) Chlorobenzene	11.43	112	677360	50.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	256519	50.824	ug/l	98
67) Ethyl Benzene	11.51	91	1261912	53.783	ug/l	99
68) m/p-Xylenes	11.62	106	924428	106.242	ug/l	99
69) o-Xylene	11.95	106	441435	53.194	ug/l	99
70) Stvrene	11.96	104	739477	48.334	ug/l	99
71) Bromoform	12.13	173	199805	51.051	ug/l #	98
73) Isopropylbenzene	12.25	105	1214481	51.988	ug/l	100
74) N-amyl acetate	12.07	43	570406	53.859	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	400770	48.791	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	346976m	46.836	ug/l	
77) Bromobenzene	12.53	156	282493	49.061	ug/l	99
78) n-propylbenzene	12.59	91	1433912	51.928	ug/l	100
79) 2-Chlorotoluene	12.68	91	843193	49.892	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1036649	52.817	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141581	49.786	ug/l	98
82) 4-Chlorotoluene	12.78	91	873233	50.561	ug/l	99
83) tert-Butylbenzene	13.00	119	879378	52.394	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1032925	53.356	ug/l	99
85) sec-Butylbenzene	13.17	105	1177965	52.642	ug/l	100
86) p-Isopropyltoluene	13.29	119	1067776	54.080	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	510265	49.561	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	501706	48.672	ug/l	100
89) n-Butylbenzene	13.62	91	935794	51.594	ug/l	100
90) Hexachloroethane	13.88	117	198691	49.661	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	506921	50.094	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84310	45.380	ug/l	97
93) 1,2,4-Trichlorobenzene	14.91	180	279535	44.189	ug/l	100

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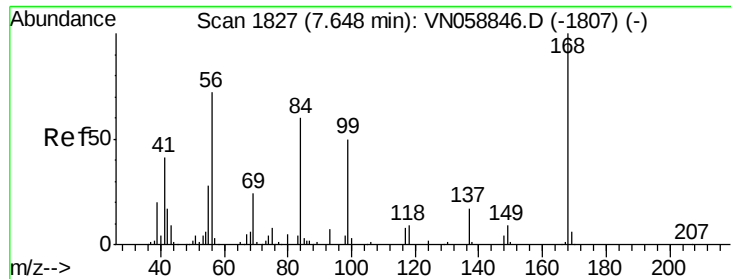
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	151905	46.314	ug/l	100
95) Naphthalene	15.13	128	783936	43.136	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	267005	43.386	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed MMDadoda

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

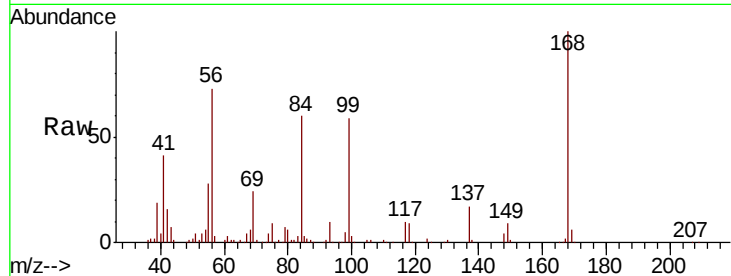
Tot Ion:168 Resp: 440084

Ion Ratio Lower Upper

168 100

99 58.8 48.1 72.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

100000

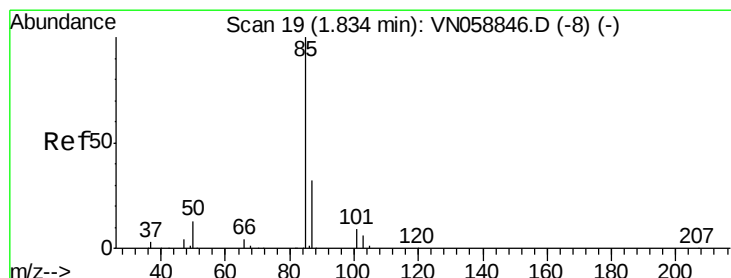
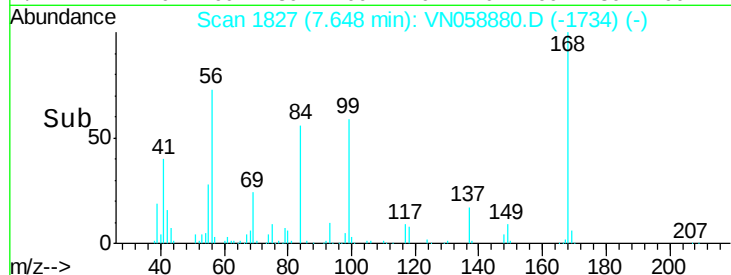
50000

0

Time--> 7.50 7.60 7.70 7.80

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#2

Dichlorodifluoromethane

Concen: 47.347 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058880.D

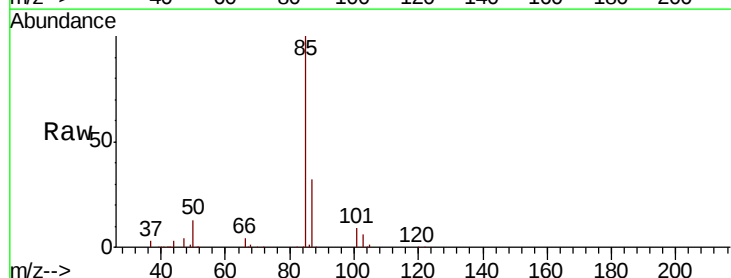
Acq: 21 Oct 2019 12:11

Tgt Ion: 85 Resp: 259790

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

200000

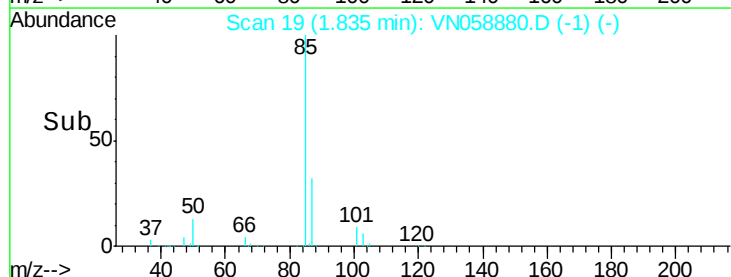
150000

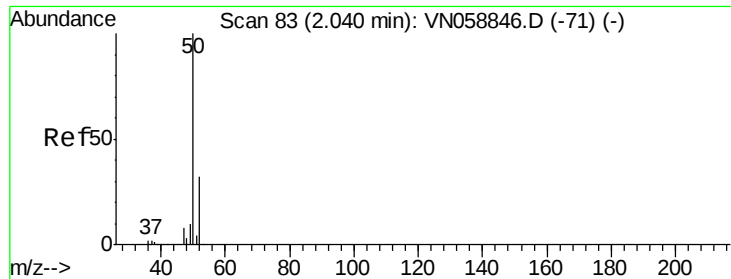
100000

50000

0

Time--> 1.80 1.90





#3

Chloromethane

Concen: 46.210 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

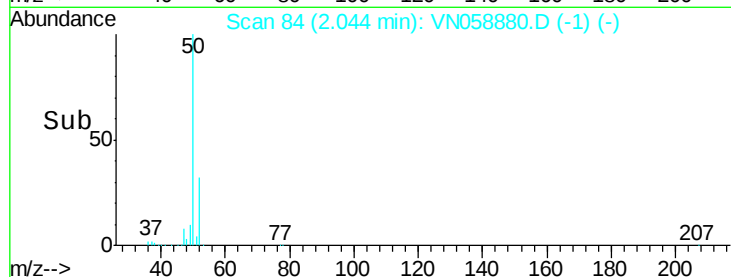
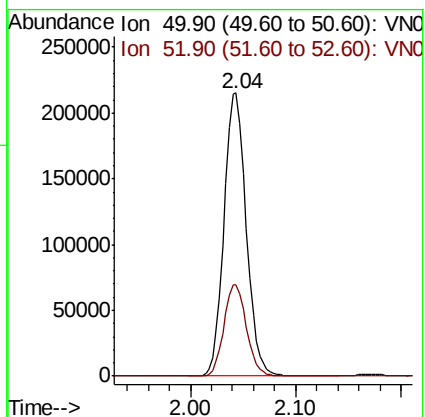
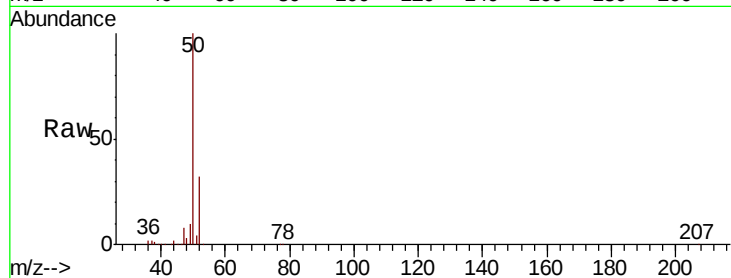
Tot Ion: 50 Resp: 314030

Ion Ratio Lower Upper

50 100

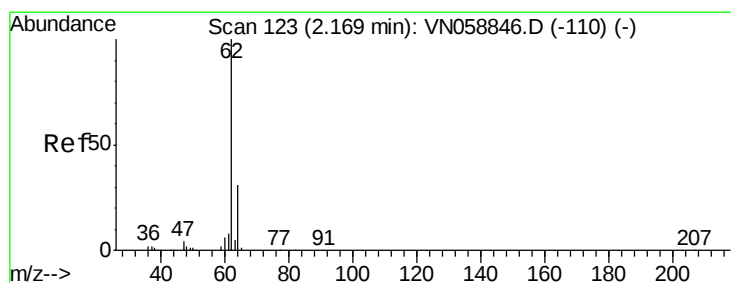
52 32.2 25.7 38.5

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#4

Vinyl Chloride

Concen: 47.637 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058880.D

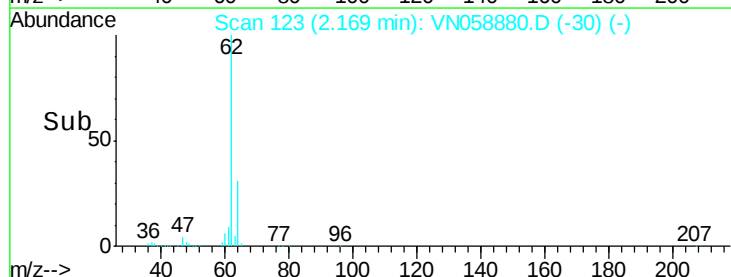
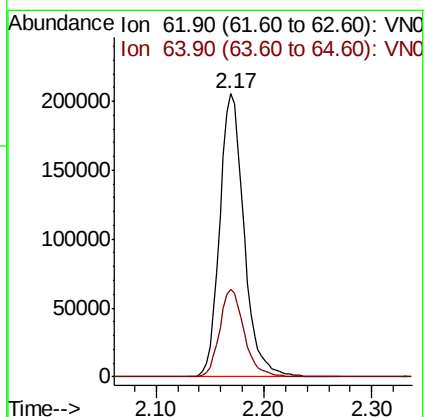
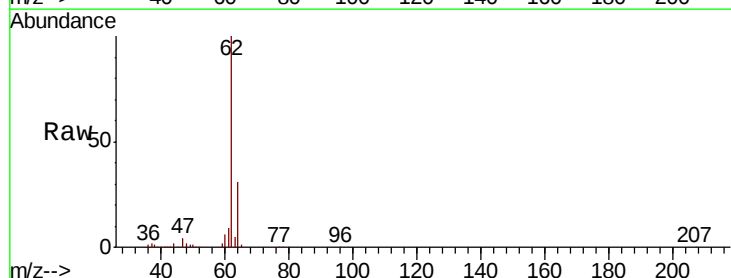
Acq: 21 Oct 2019 12:11

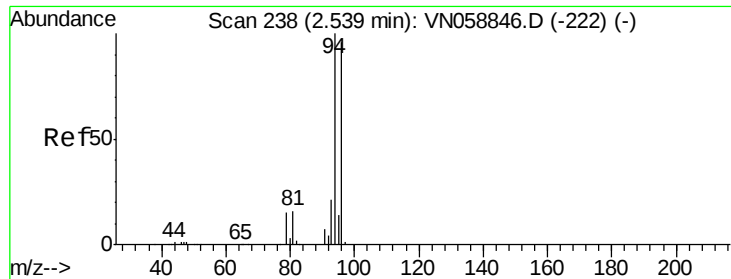
Tgt Ion: 62 Resp: 321427

Ion Ratio Lower Upper

62 100

64 31.0 24.6 36.8





#5

Bromomethane

Concen: 47.069 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

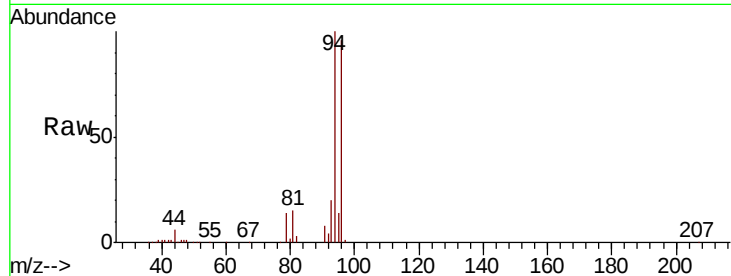
Tot Ion: 94 Resp: 198882

Ion Ratio Lower Upper

94 100

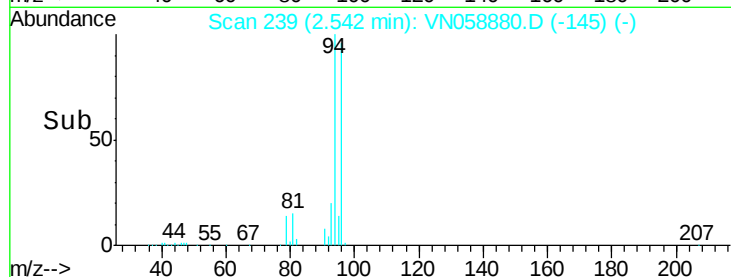
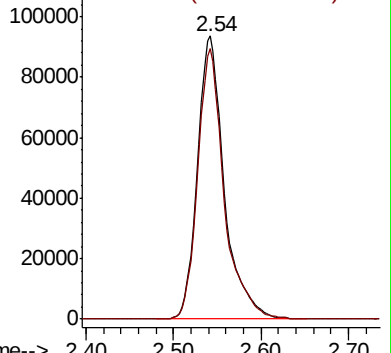
96 95.7 77.0 115.6

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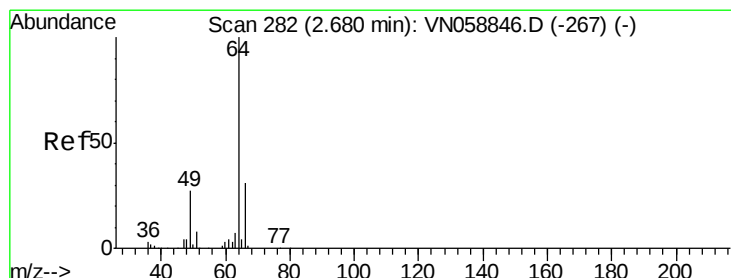
Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



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#6

Chloroethane

Concen: 46.955 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058880.D

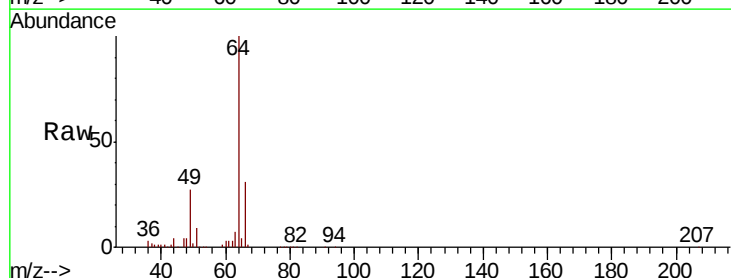
Acq: 21 Oct 2019 12:11

Tgt Ion: 64 Resp: 203176

Ion Ratio Lower Upper

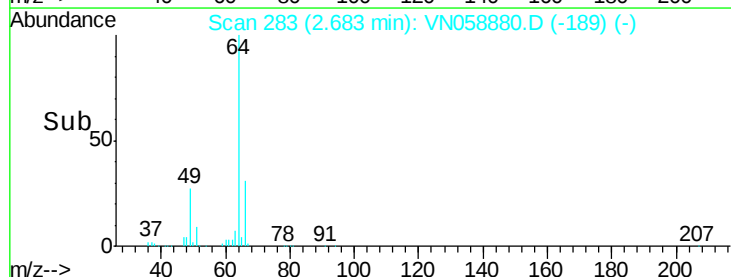
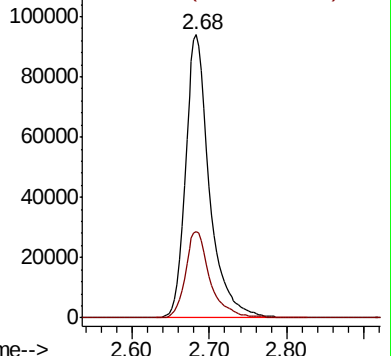
64 100

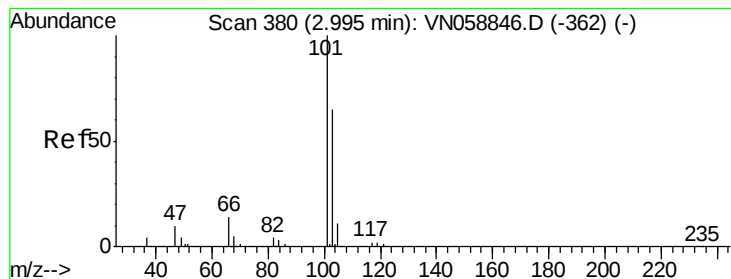
66 30.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





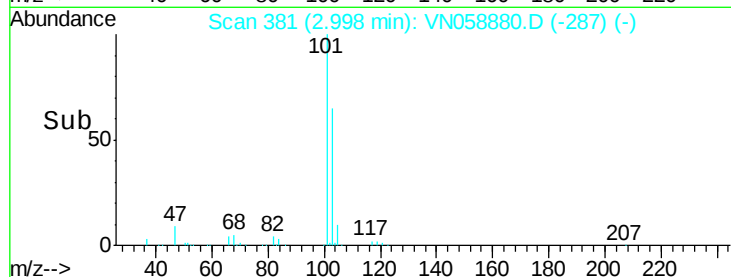
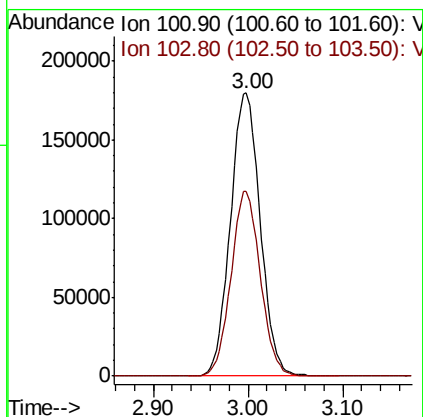
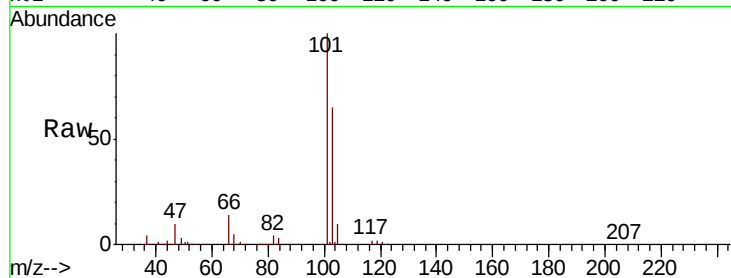
#7

Trichlorofluoromethane
Concen: 47.198 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
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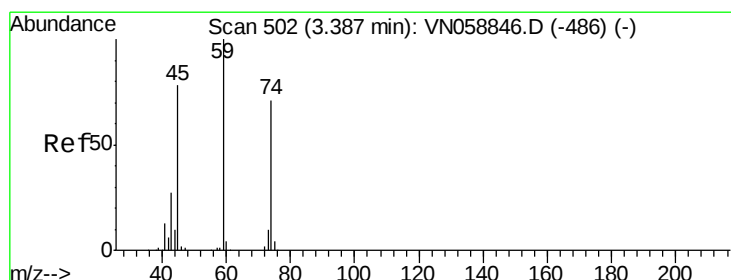
Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.2

Manual Integrations
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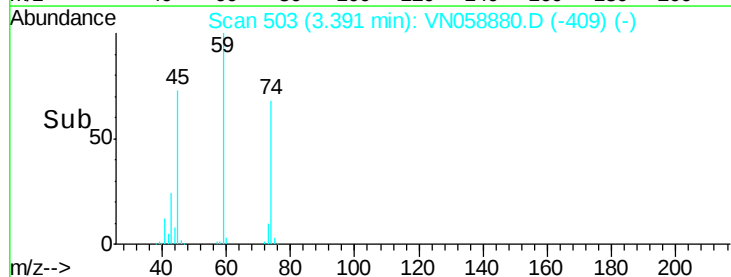
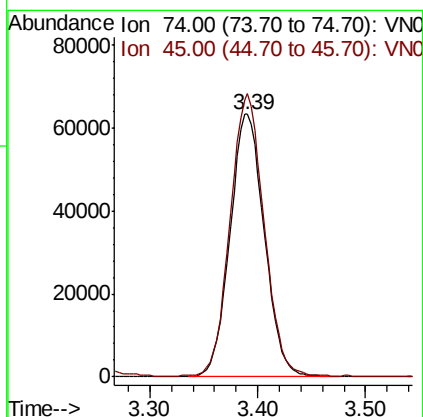
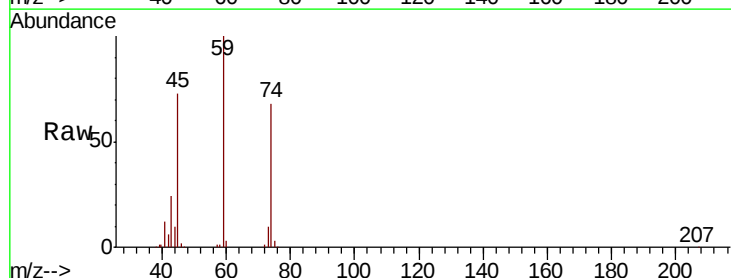
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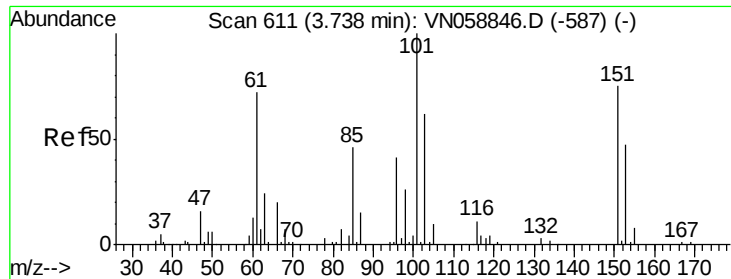


#8

Diethyl Ether
Concen: 48.568 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.4	54.9	164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.895 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

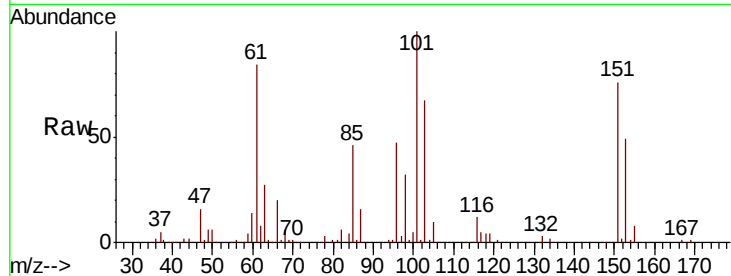
MSVOA_N

ClientSampleId :

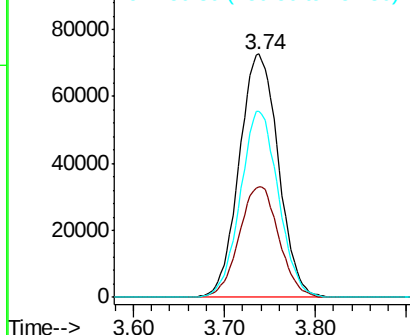
FA19-JBW7326BMS

Tot Ion:	101	Resp:	217047
Ion Ratio	Lower	Upper	
101	100		
85	46.2	37.2	55.8
151	74.6	59.9	89.9

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APPROVED

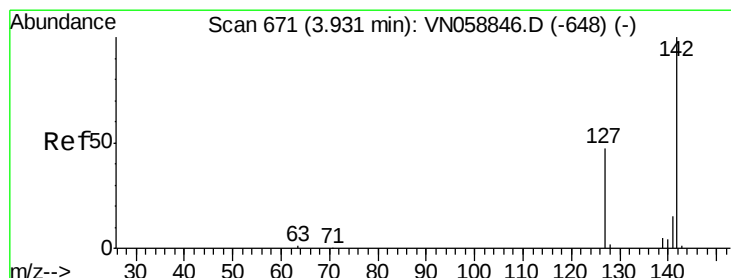
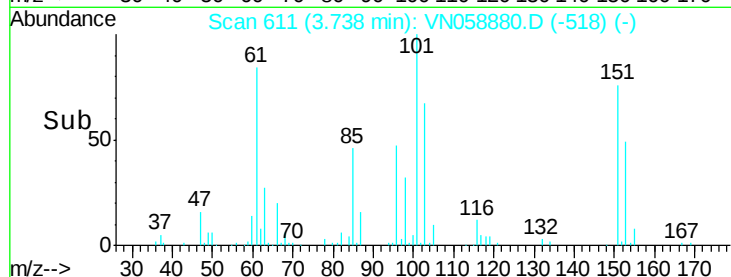


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 48.390 ug/l

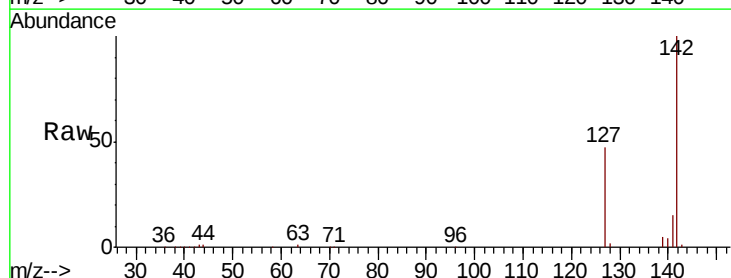
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

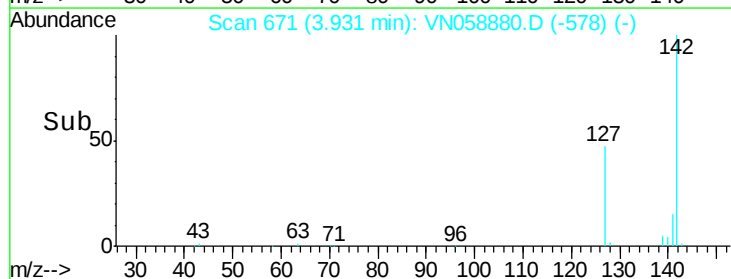
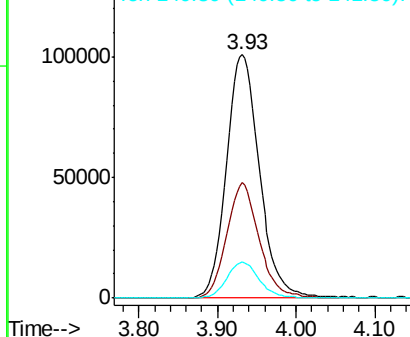
Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Tgt Ion:	142	Resp:	294565
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.6	54.8
141	14.6	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





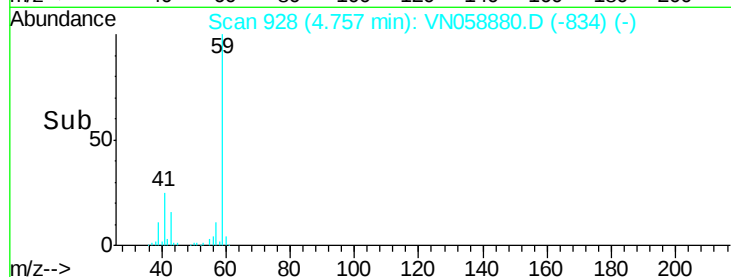
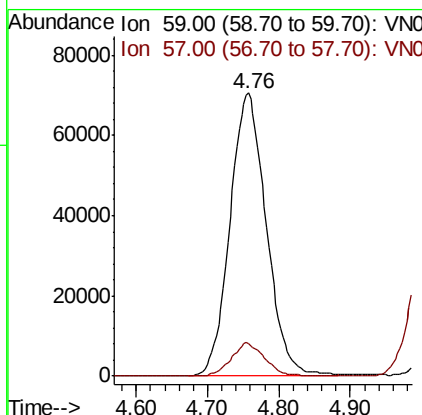
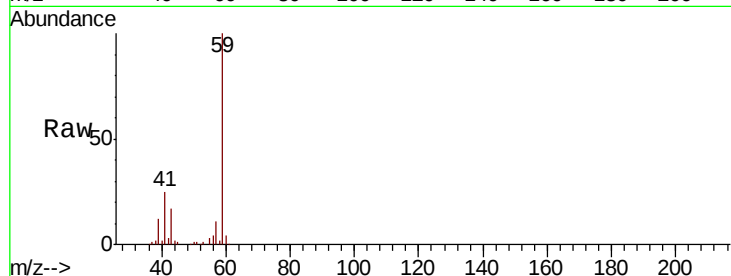
#11

Tert butyl alcohol
Concen: 233.114 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

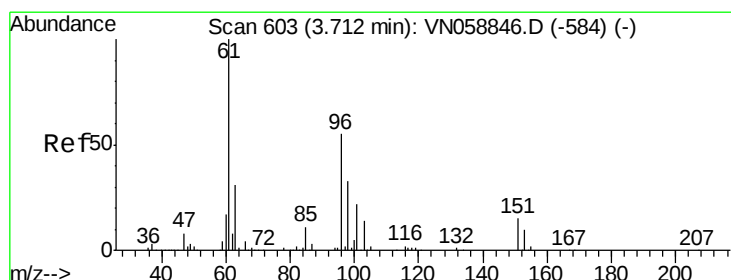
Tot Ion	59	Resp	249688
Ion Ratio	100	Lower	Upper
57	10.7	8.6	12.8

Manual Integrations
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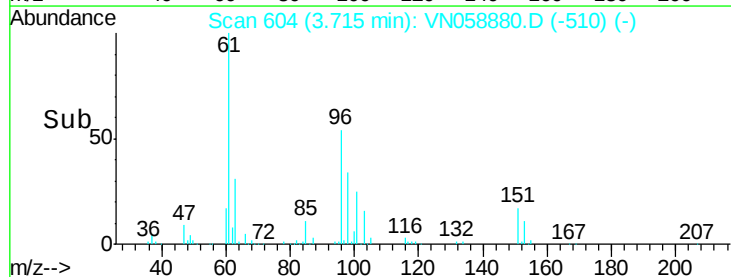
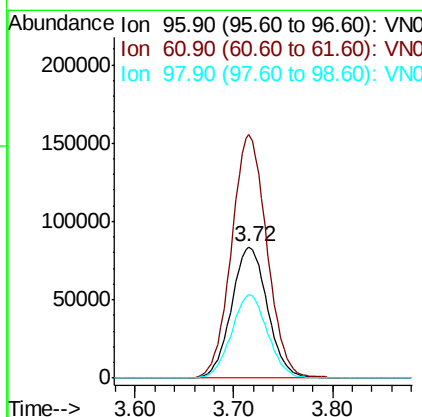
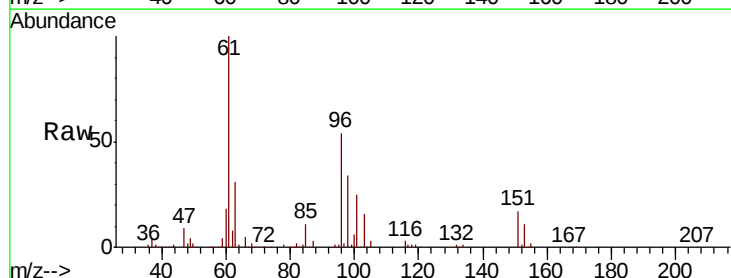
10/22/2019 4:55:19 PM

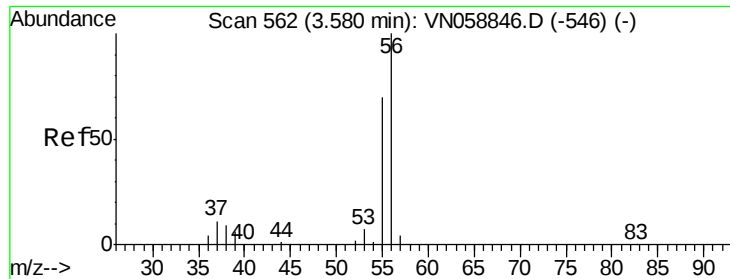


#12

1,1-Dichloroethene
Concen: 48.797 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	96	Resp	211701
Ion Ratio	100	Lower	Upper
61	185.6	146.2	219.2
98	63.8	48.7	73.1



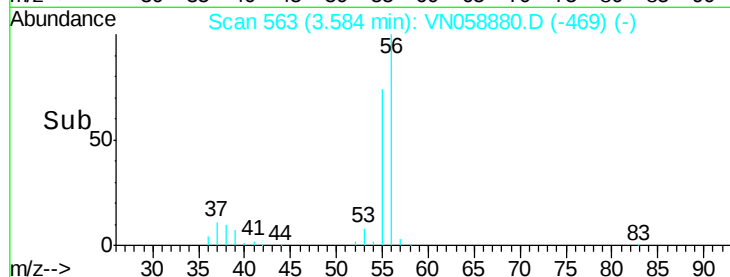
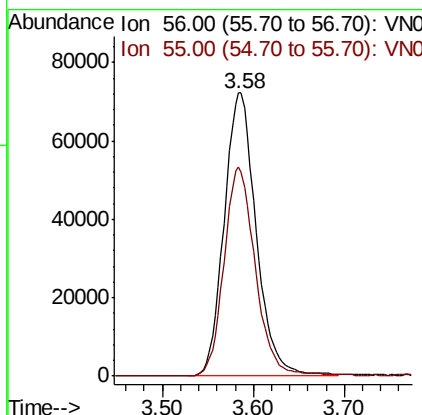
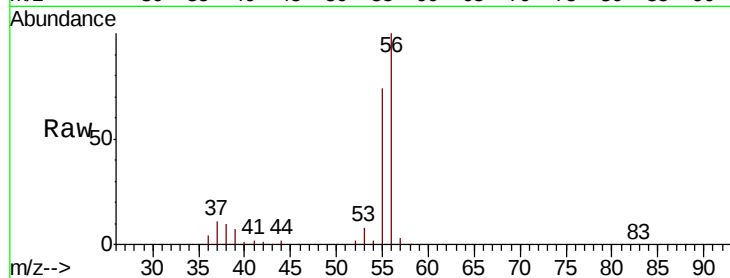


#13
Acrolein
Concen: 240.314 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

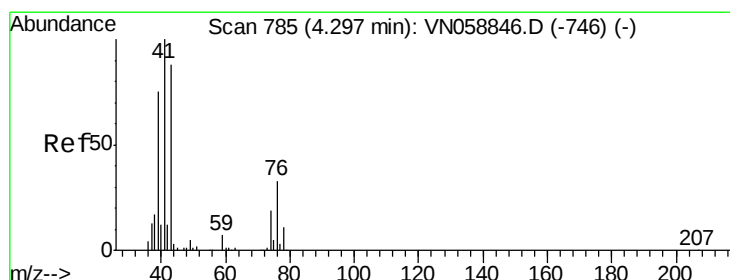
Tot Ion	56	55	Resp	Lower	Upper
176861	100	71.6		56.6	85.0

Manual Integrations
APPROVED



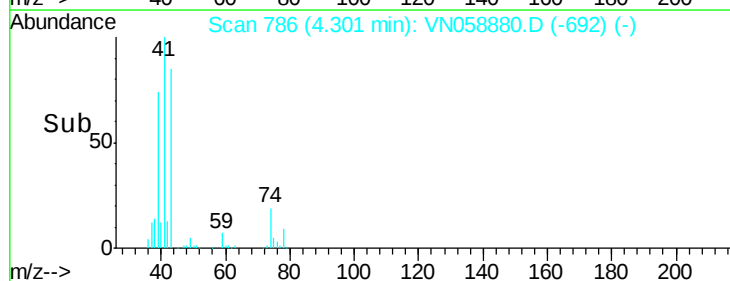
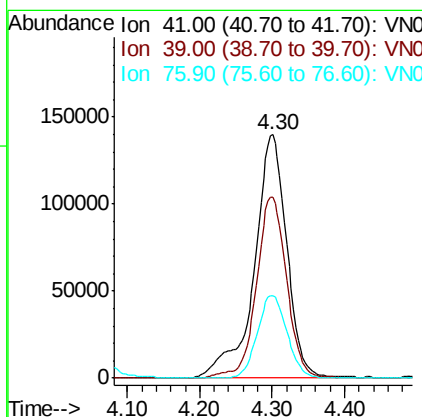
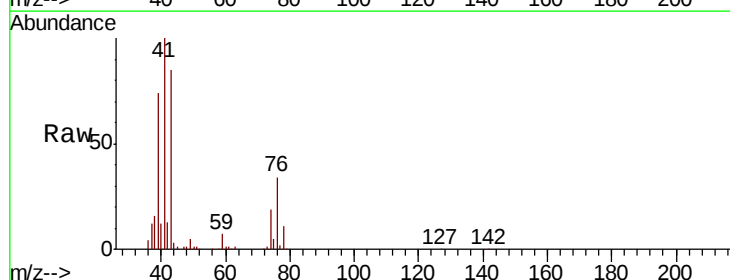
MMDadoda

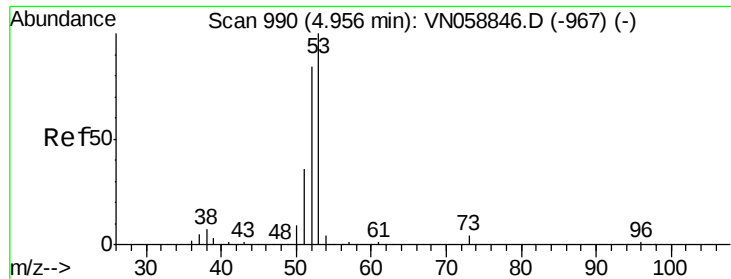
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#14
Allyl chloride
Concen: 49.831 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	41	39	76	Resp	Lower	Upper
437461	100	69.2	31.0		55.9	83.9



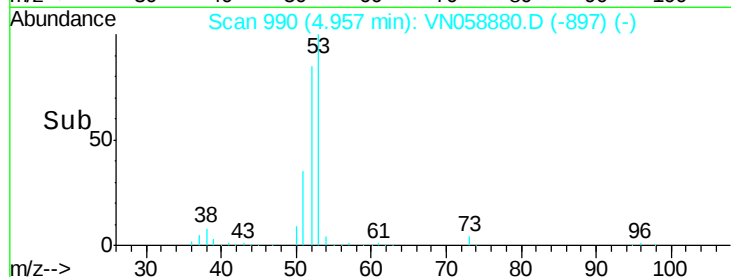
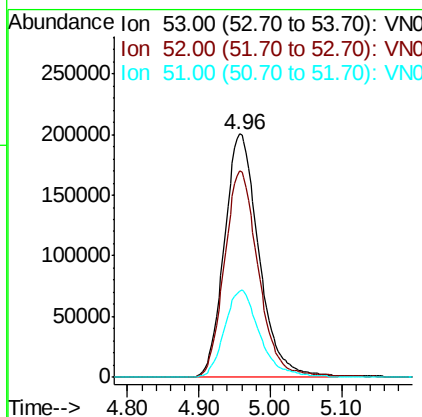
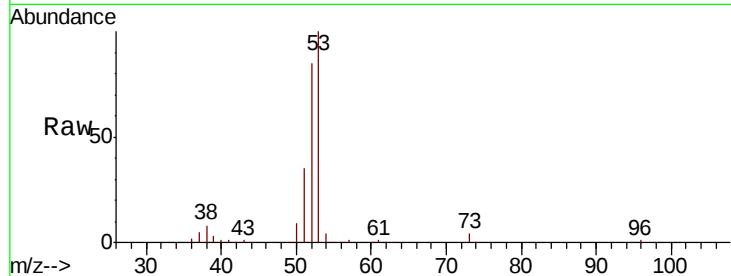


#15
 Acrylonitrile
 Concen: 250.841 ug/l
 RT: 4.96 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

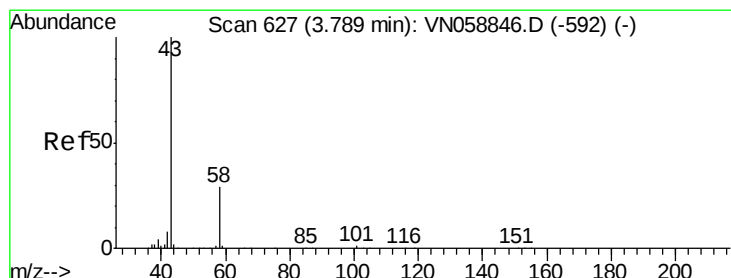
Tot Ion	53	Resp	675828
Ion Ratio	100	Lower	Upper
52	83.2	66.6	99.8
51	36.8	29.2	43.8

Manual Integrations
 APPROVED



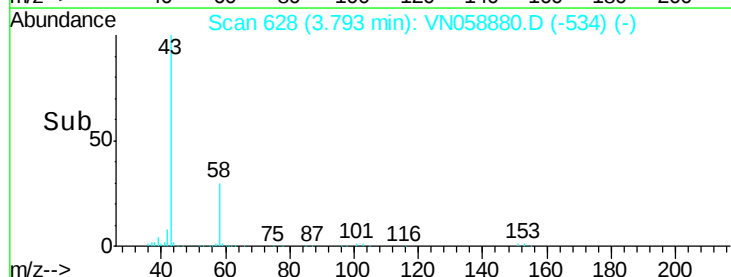
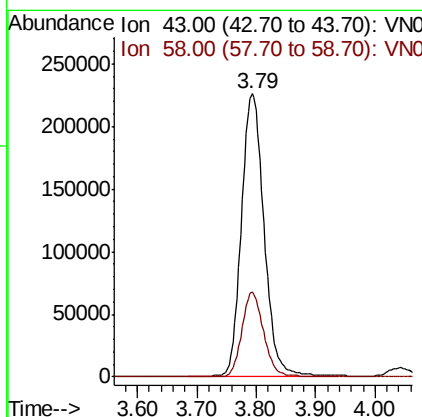
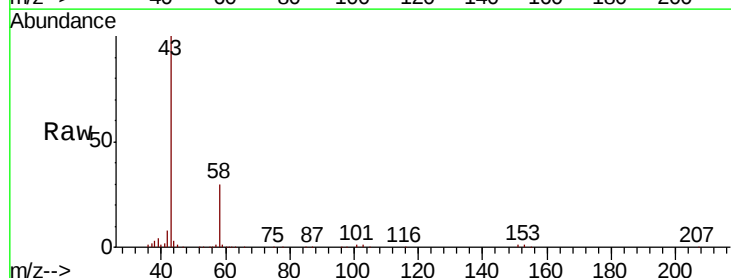
MMDadoda

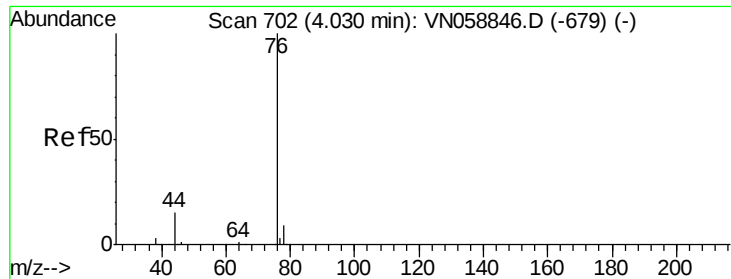
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#16
 Acetone
 Concen: 188.037 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion	43	Resp	599734
Ion Ratio	100	Lower	Upper
58	30.1	23.1	34.7



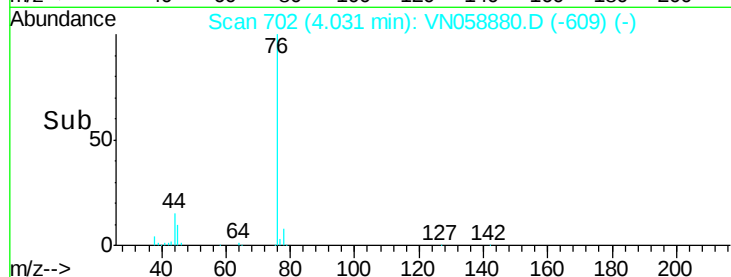
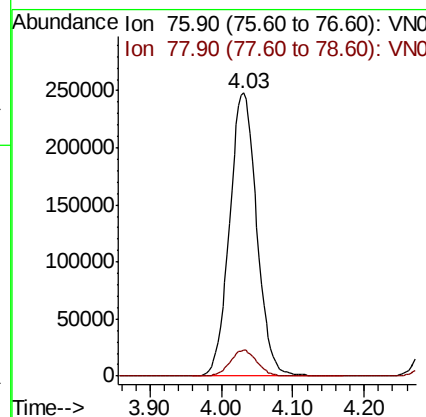
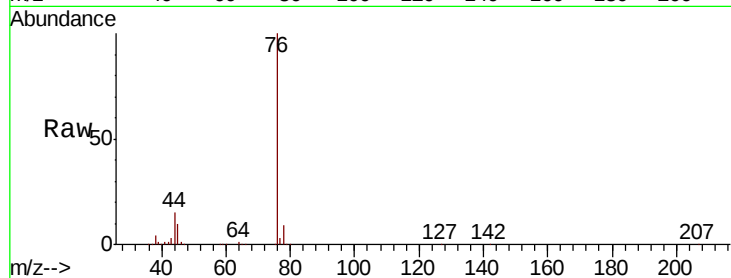


#17
Carbon Disulfide
Concen: 47.122 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

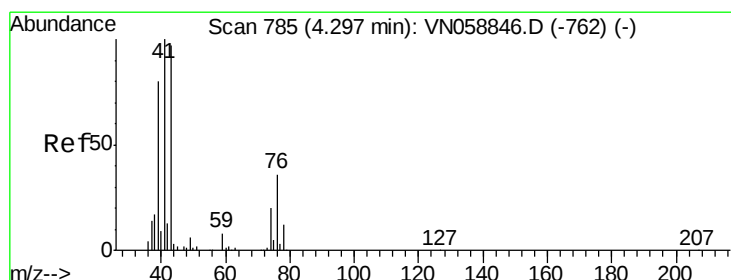
Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

Manual Integrations
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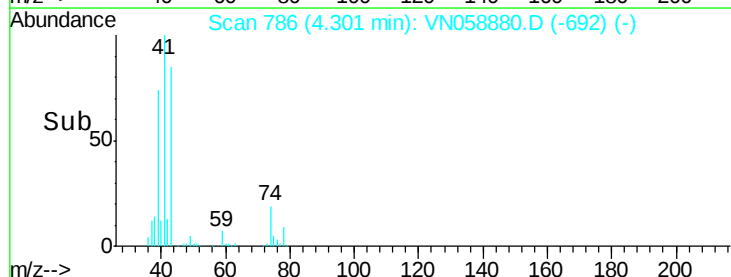
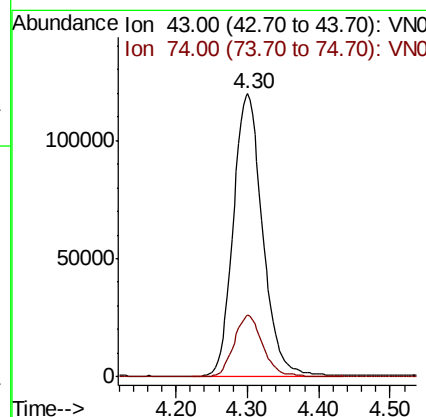
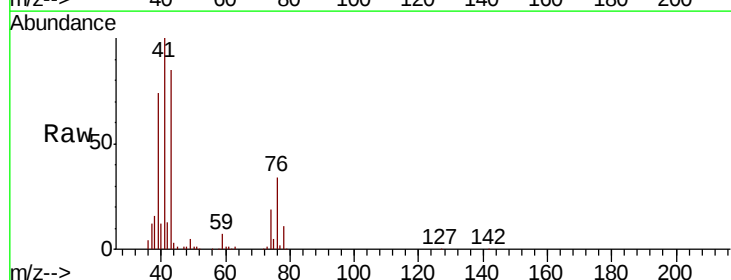
MMDadoda

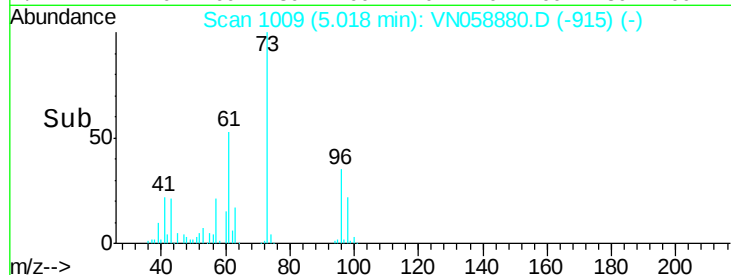
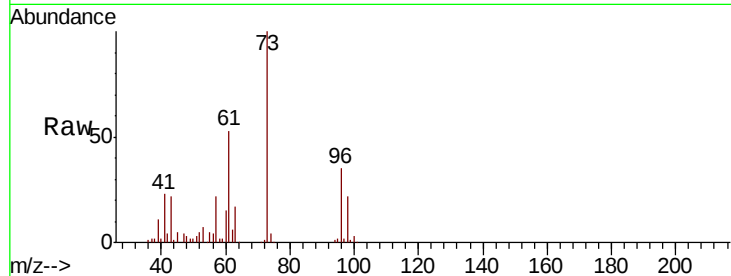
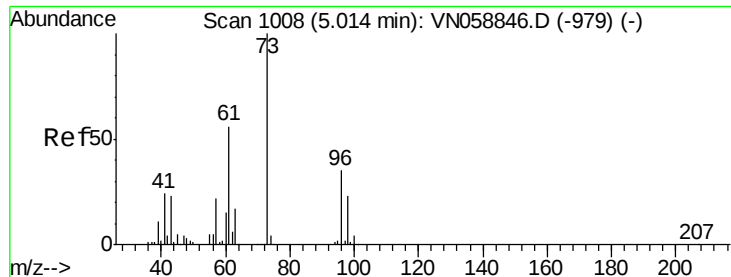
10/22/2019 4:55:19 PM



#18
Methyl Acetate
Concen: 46.957 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.1	25.7



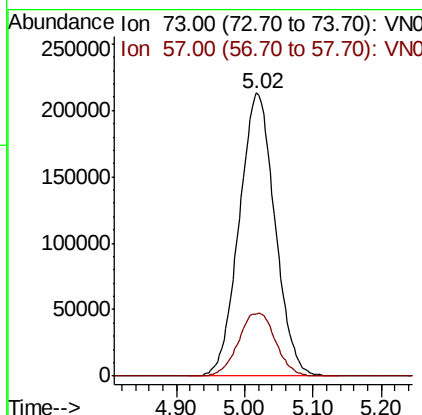


#19
Methvl tert-butvl Ether
Concen: 51.085 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tot Ion: 73 Resp: 776049
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9

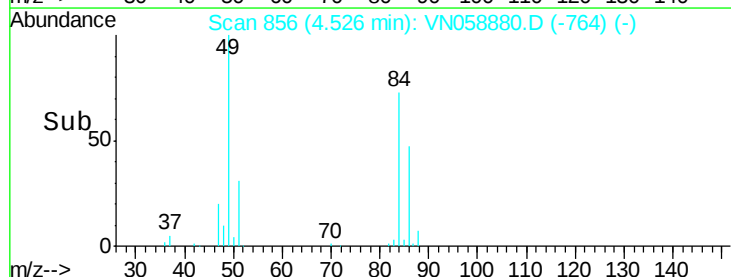
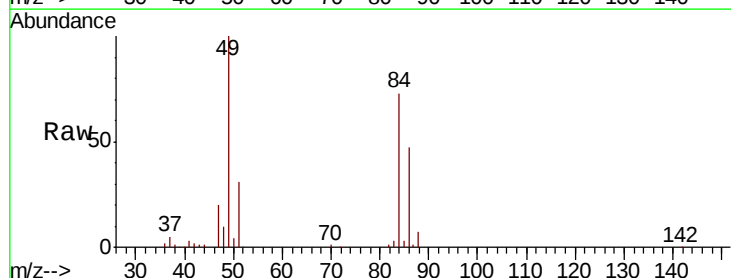
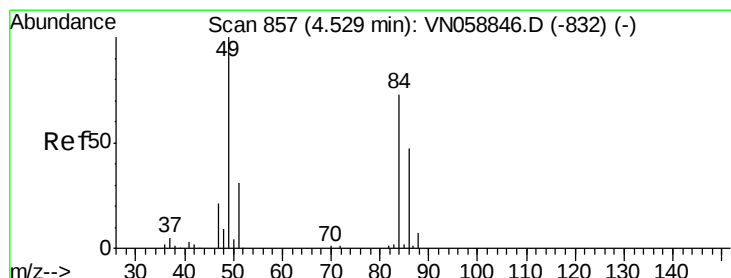
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

Manual Integrations
APPROVED



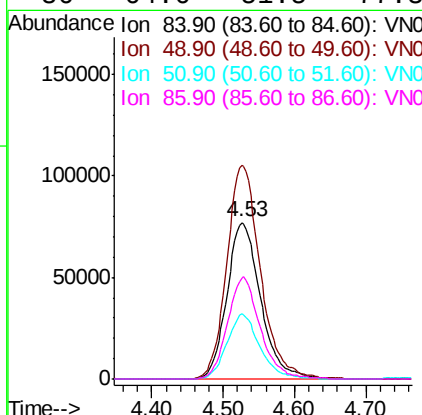
MMDadoda

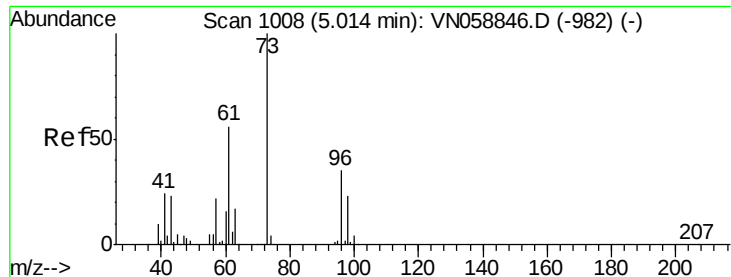
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#20
Methylene Chloride
Concen: 46.677 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion: 84 Resp: 254203
Ion Ratio Lower Upper
84 100
49 136.3 109.6 164.4
51 41.7 33.8 50.6
86 64.6 51.5 77.3





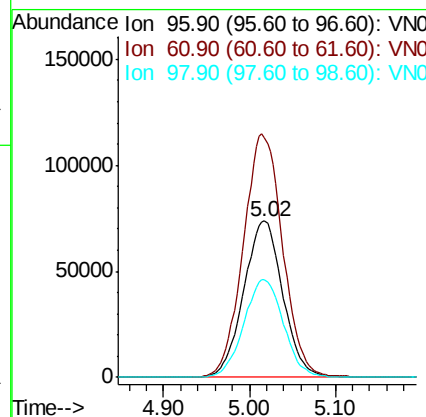
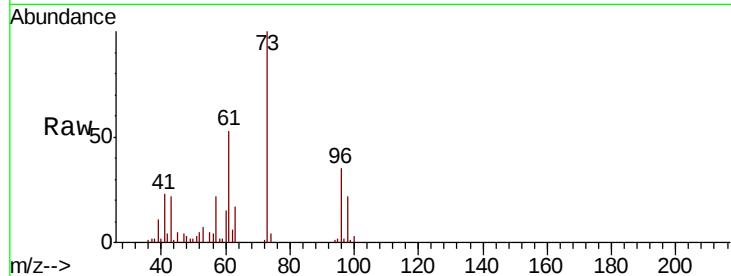
#21

trans-1,2-Dichloroethene
Concen: 48.673 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

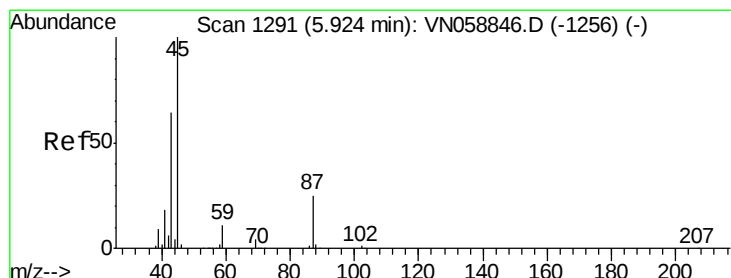
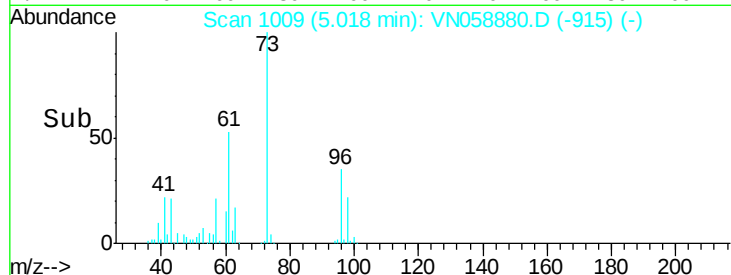
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	126.7	190.1
98	62.2	52.0	78.0

Manual Integrations
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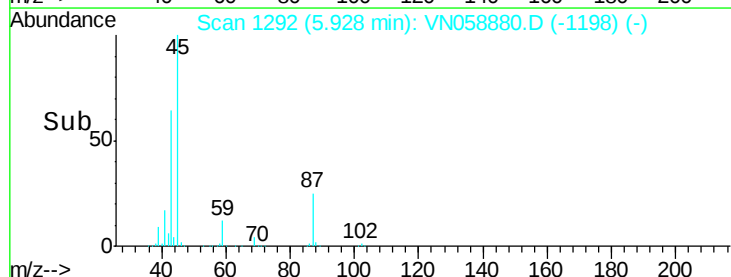
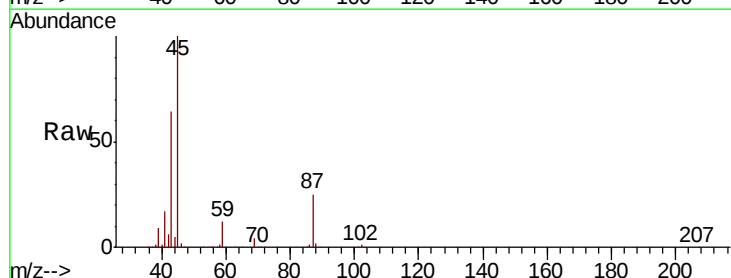
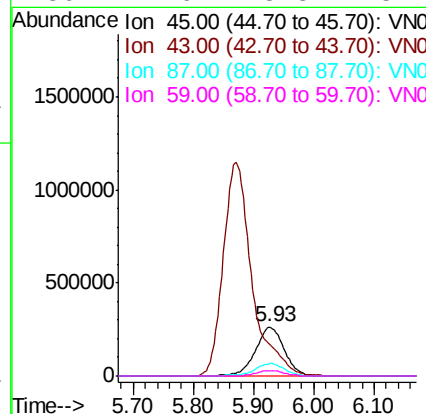
10/22/2019 4:55:19 PM

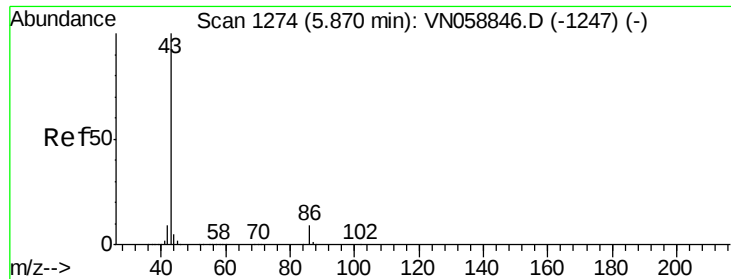


#22

Diisopropyl ether
Concen: 51.461 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.4	52.9	79.3
87	24.9	20.2	30.4
59	11.6	8.8	13.2



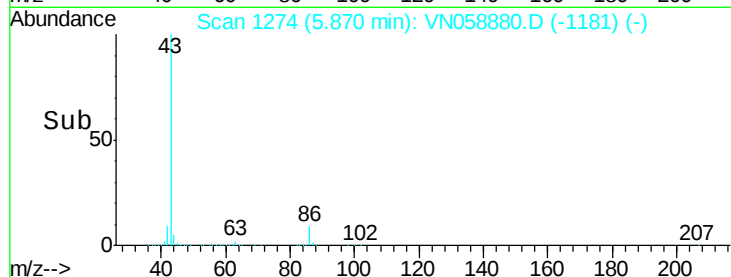
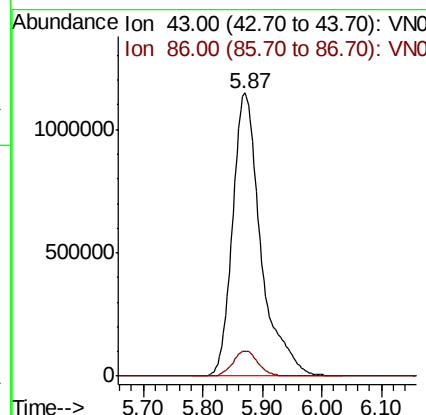
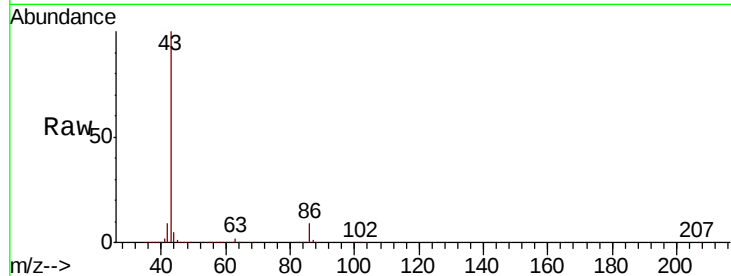


#23
 Vinyl Acetate
 Concen: 275.348 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

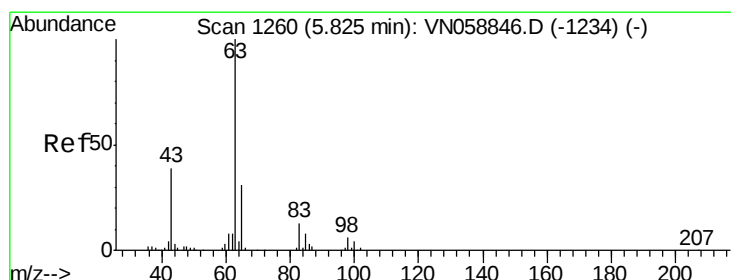
Tot Ion: 43 Resp: 3798662
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.2 10.8

Manual Integrations
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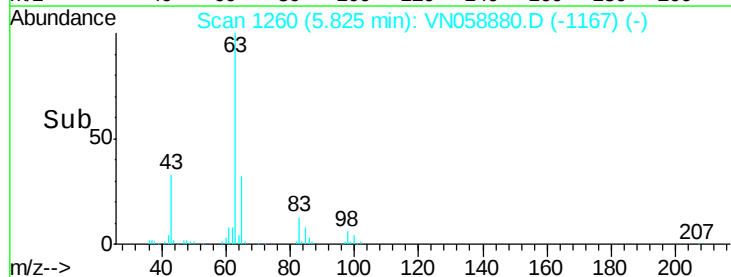
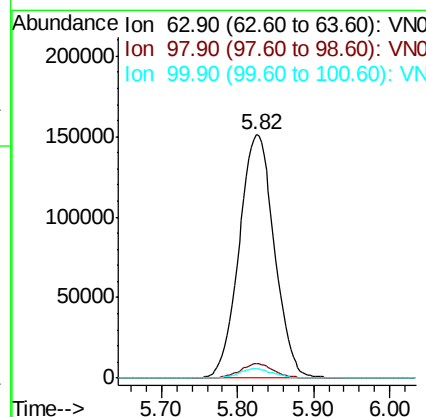
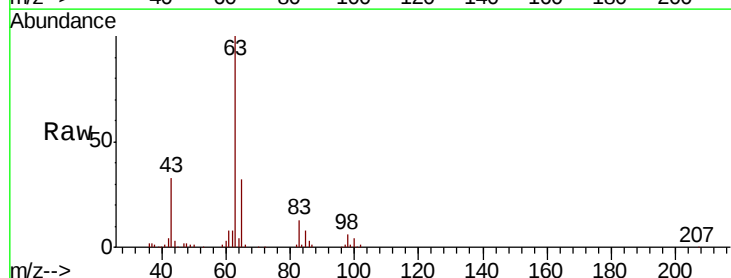
MMDadoda

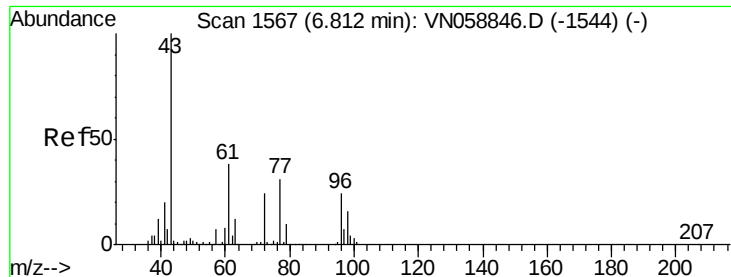
10/22/2019 4:55:19 PM



#24
 1,1-Dichloroethane
 Concen: 48.818 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion: 63 Resp: 486065
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.8 8.4
 100 3.8 1.9 5.7





#25

2-Butanone

Concen: 227.996 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

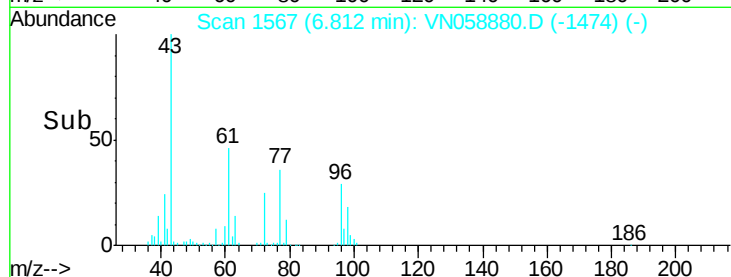
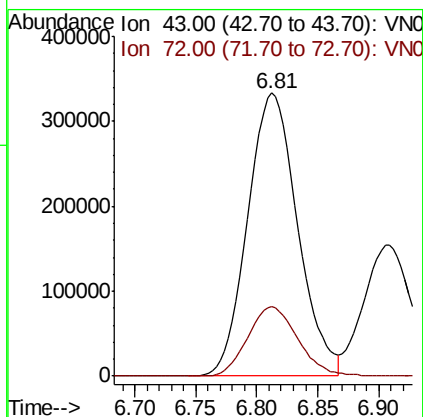
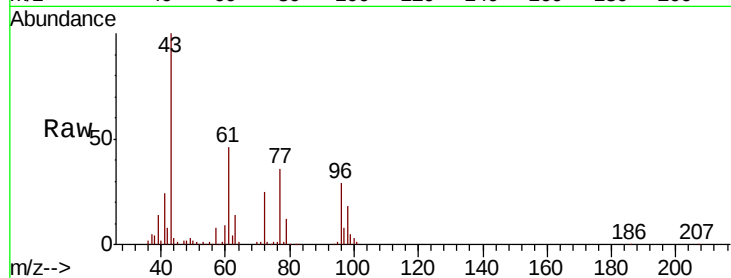
Tot Ion: 43 Resp: 943954

Ion Ratio Lower Upper

43 100

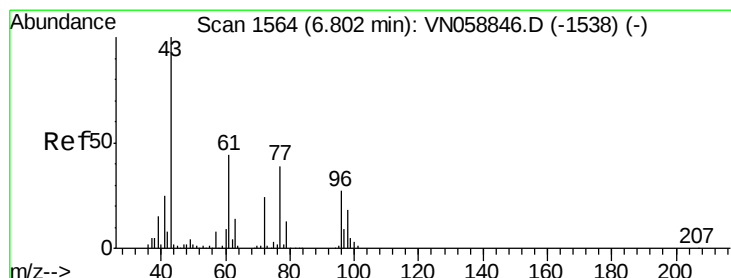
72 24.6 19.1 28.7

Manual Integrations
APPROVED



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10/22/2019 4:55:19 PM



#26

2,2-Dichloropropane

Concen: 49.262 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058880.D

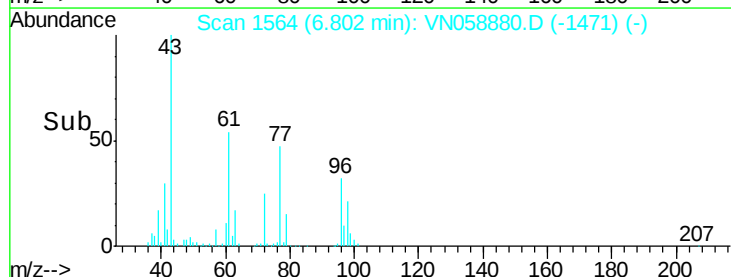
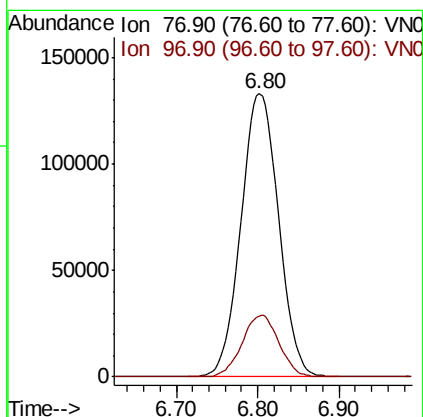
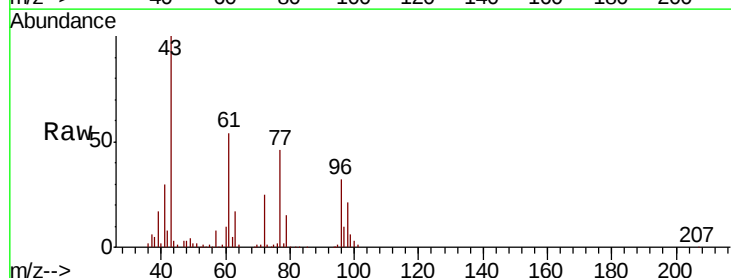
Acq: 21 Oct 2019 12:11

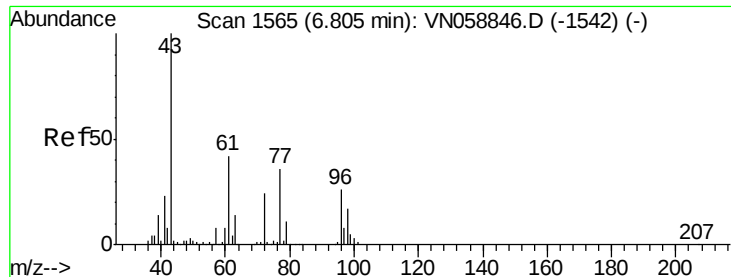
Tgt Ion: 77 Resp: 424259

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 51.807 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

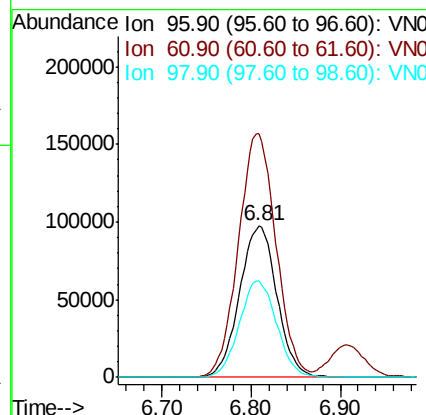
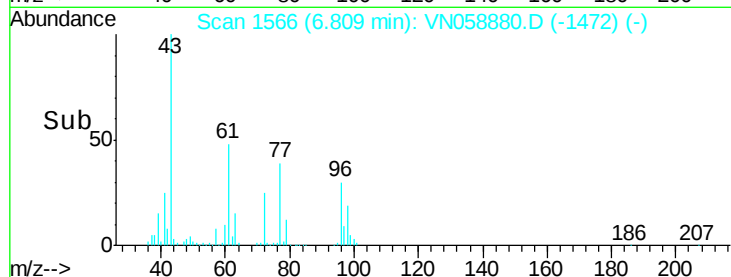
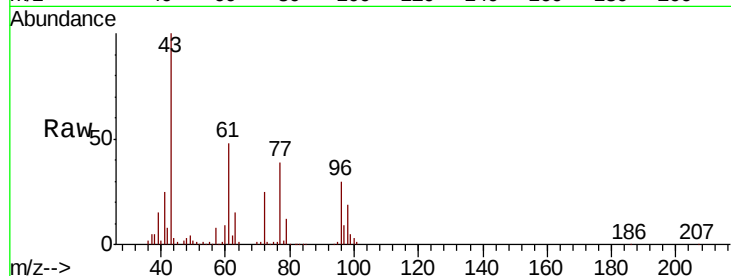
MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

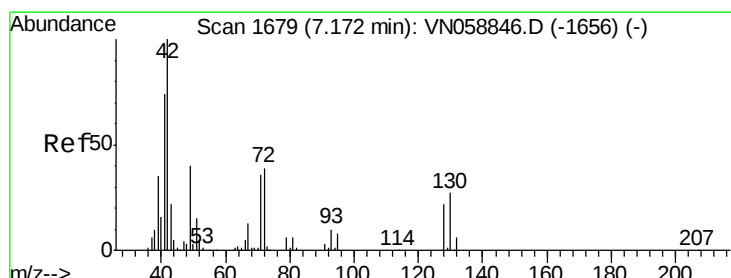
Tot Ion:	96	Resp:	283549
Ion Ratio	Lower	Upper	
96	100		
61	161.6	0.0	325.0
98	63.7	0.0	128.0

Manual Integrations
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#28

Bromochloromethane

Concen: 48.691 ug/l

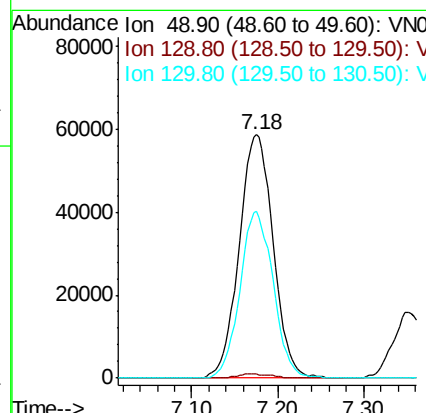
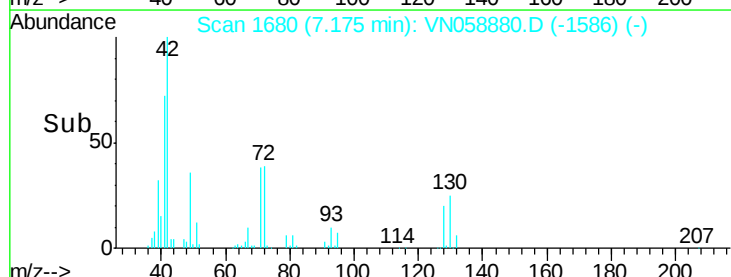
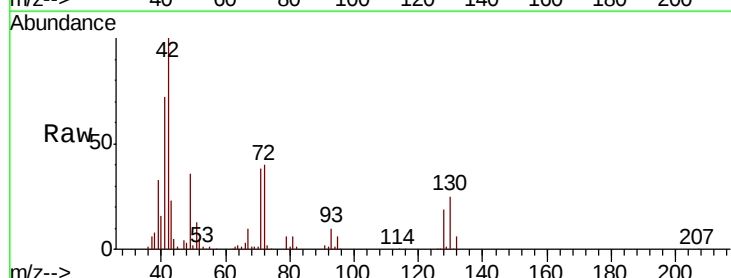
RT: 7.18 min Scan# 1680

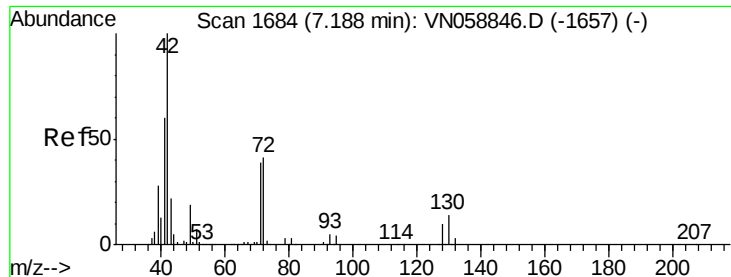
Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Tgt Ion:	49	Resp:	161456
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.2
130	66.6	53.5	80.3



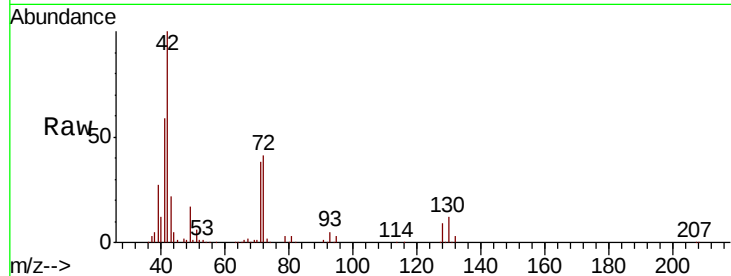


#29
Tetrahydrofuran
Concen: 251.580 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.2	48.2
71	38.3	30.6	45.8

Manual Integrations
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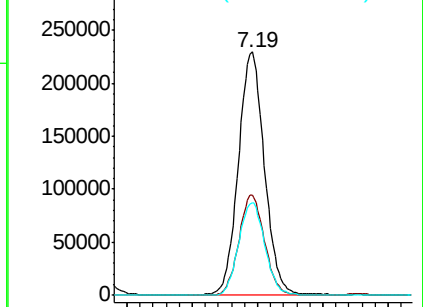


Abundance

Ion 42.00 (41.70 to 42.70): VN0

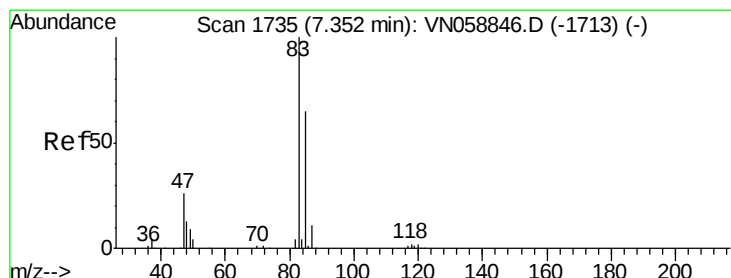
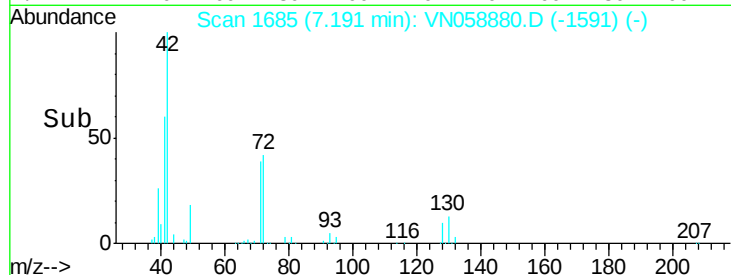
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



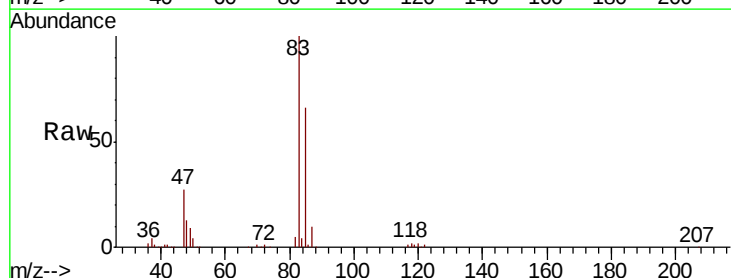
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#30
Chloroform
Concen: 47.566 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

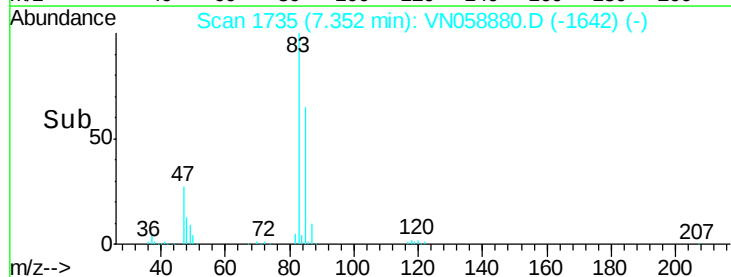
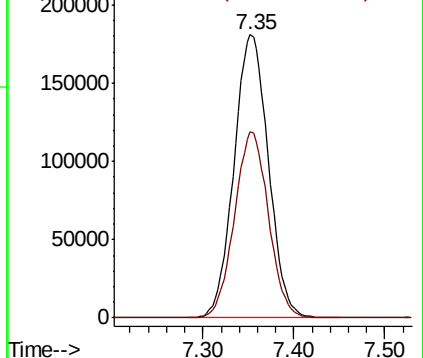
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9

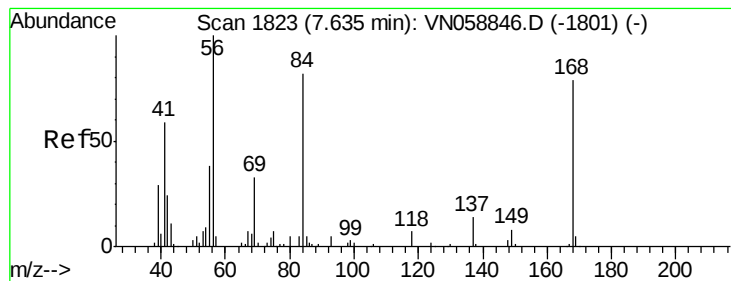


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.240 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

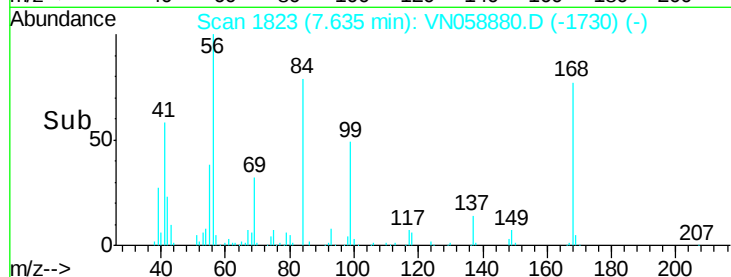
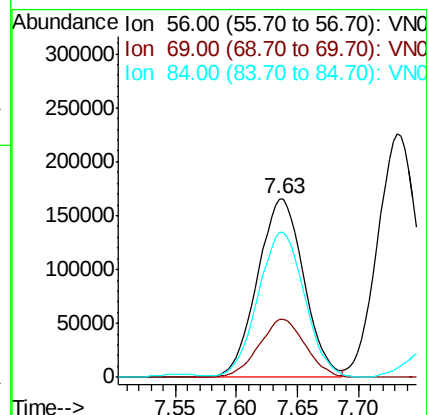
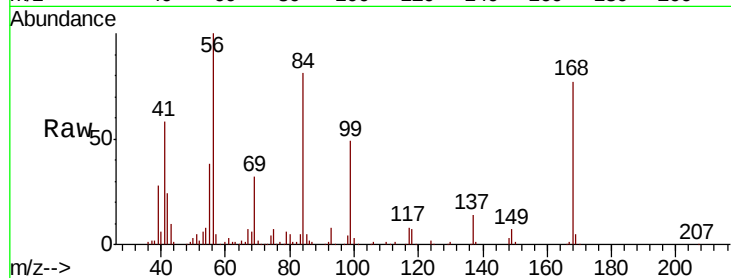
MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

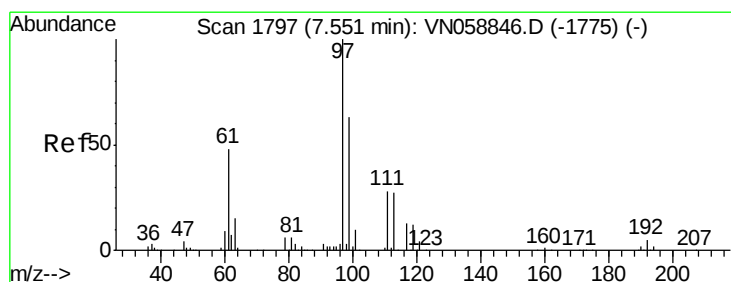
Tot Ion:	56	Resp:	438187
Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.2	39.4
84	79.9	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.973 ug/l

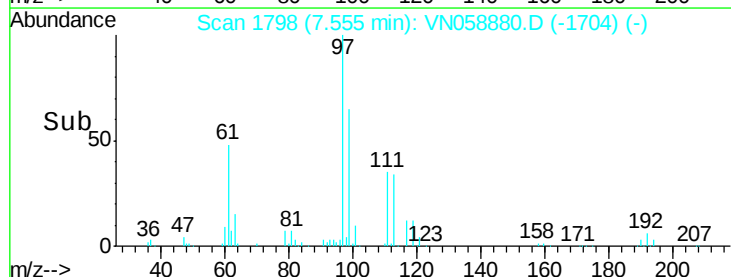
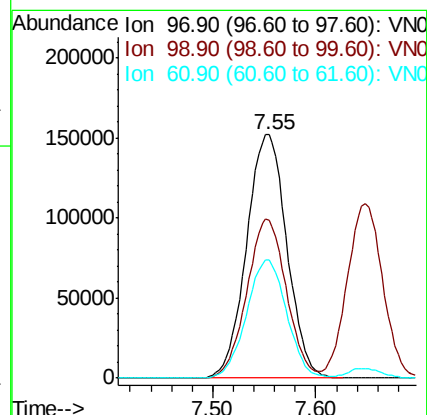
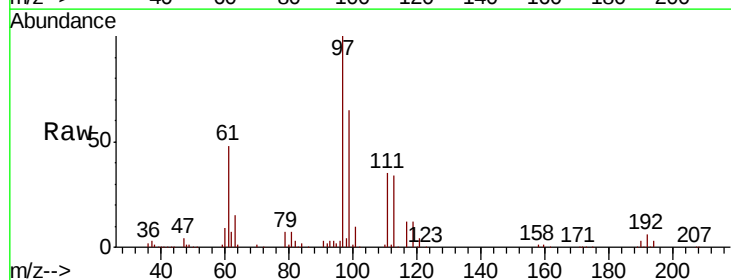
RT: 7.55 min Scan# 1798

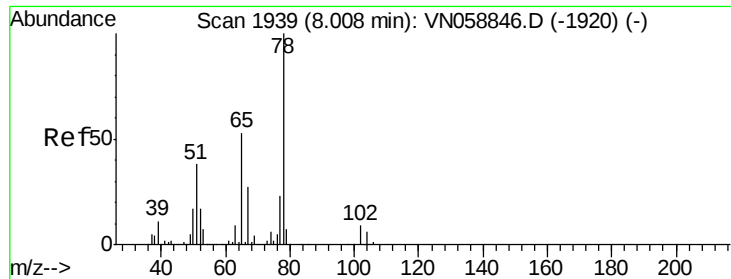
Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Tgt Ion:	97	Resp:	412276
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	48.4	38.6	58.0



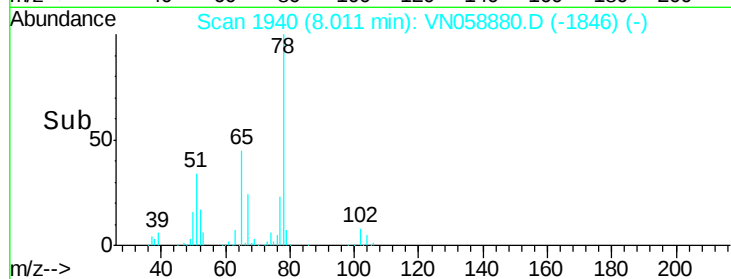
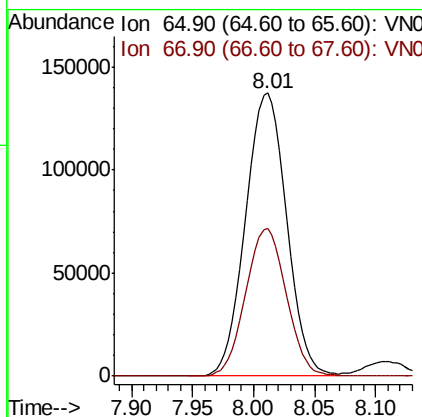
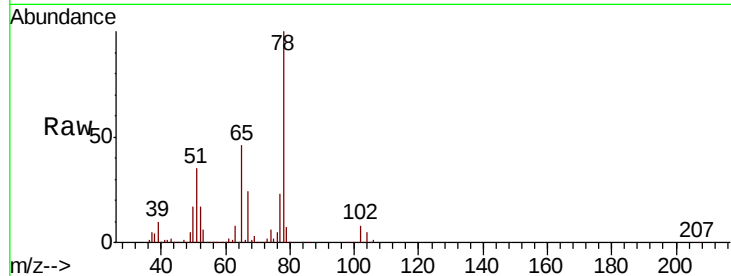


#33
 1,2-Dichloroethane-d4
 Concen: 49.671 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

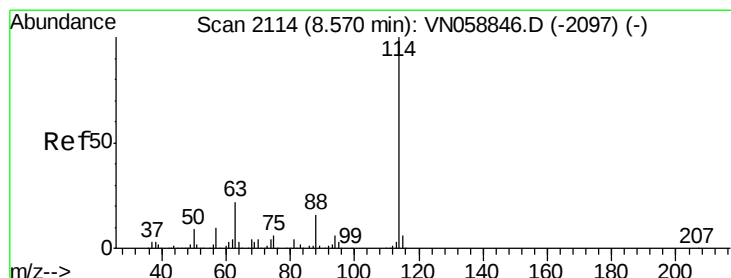
Tot Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	103.2

Manual Integrations
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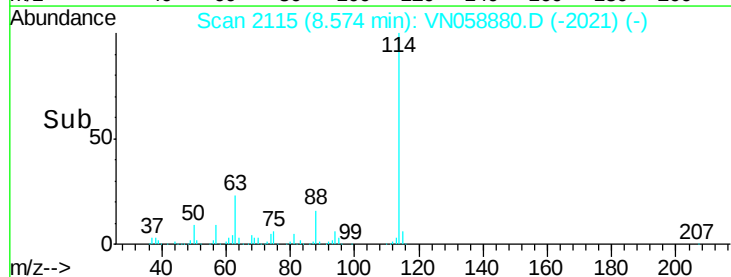
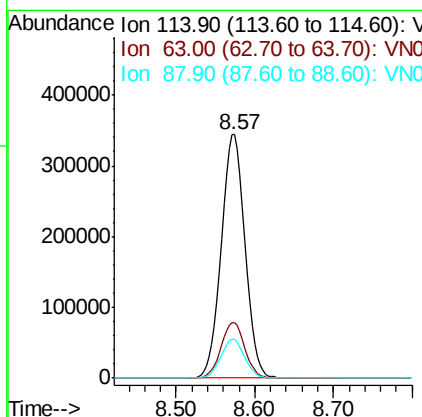
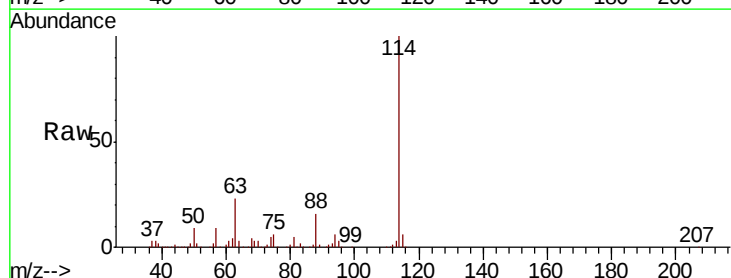
MMDadoda

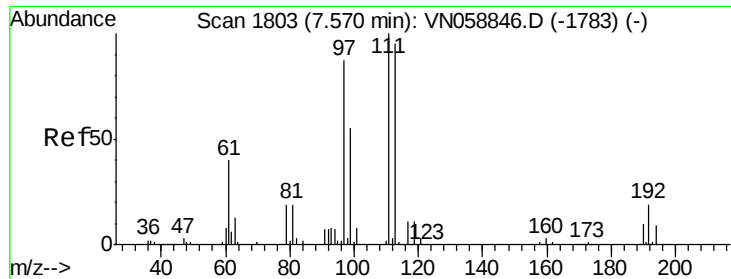
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	44.4
88	16.0	0.0	31.4



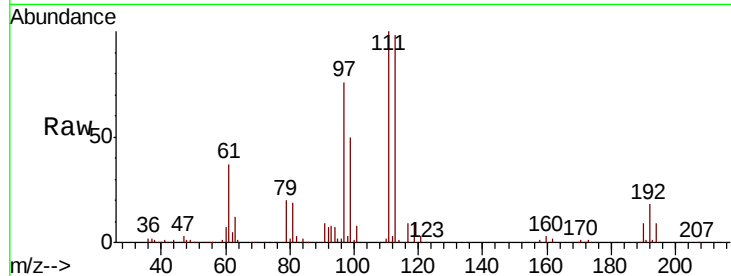


#35
Dibromofluoromethane
Concen: 49.387 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	232145		
111	102.6	82.0	123.0	
192	18.7	15.0	22.6	

Manual Integrations
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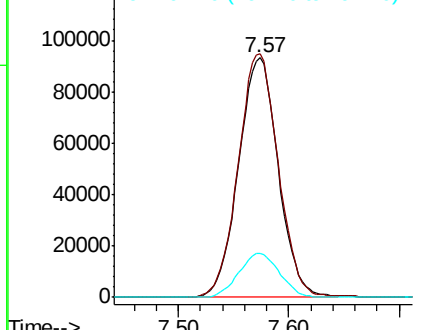


Abundance

Ion 112.80 (112.50 to 113.50): V

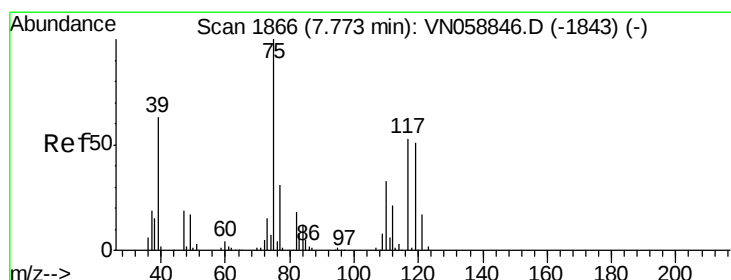
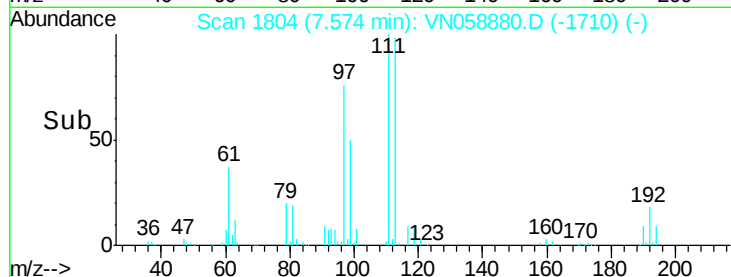
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



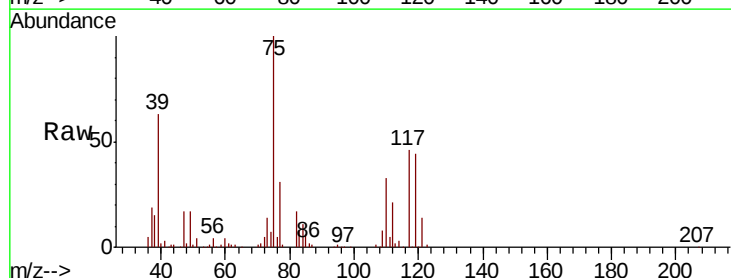
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#36
1,1-Dichloropropene
Concen: 49.399 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	361571		
110	32.4	16.3	48.9	
77	31.1	24.6	36.8	

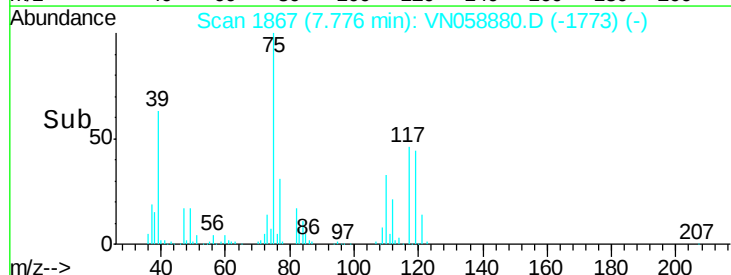
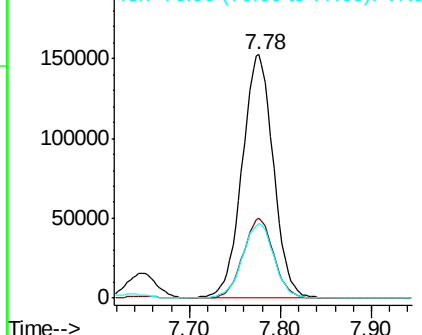


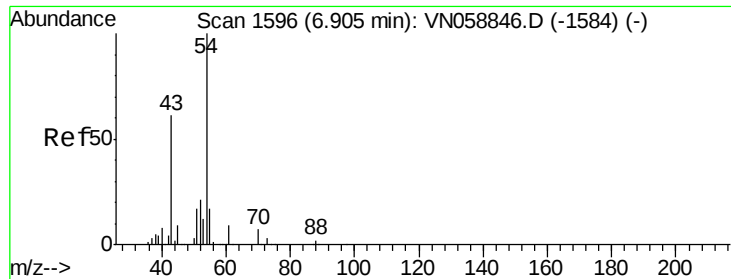
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



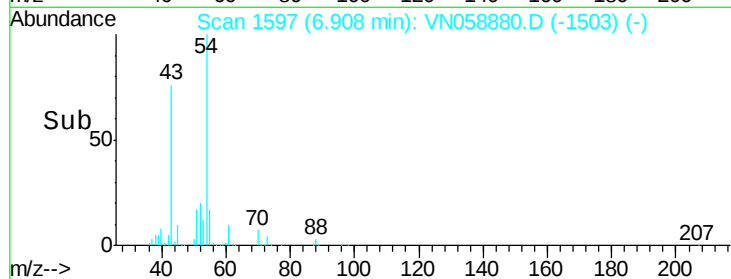
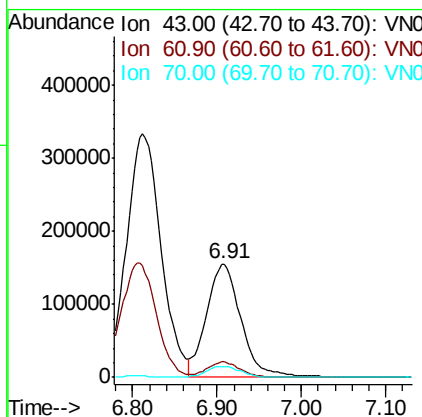
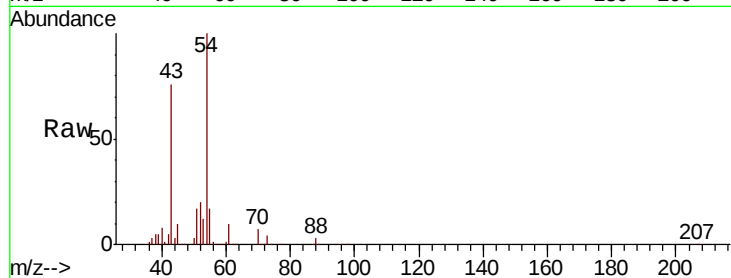


#37
Ethyl Acetate
Concen: 54.650 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

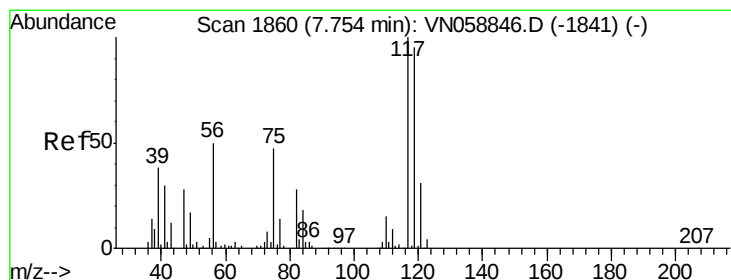
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.7	7.6	11.4

Manual Integrations
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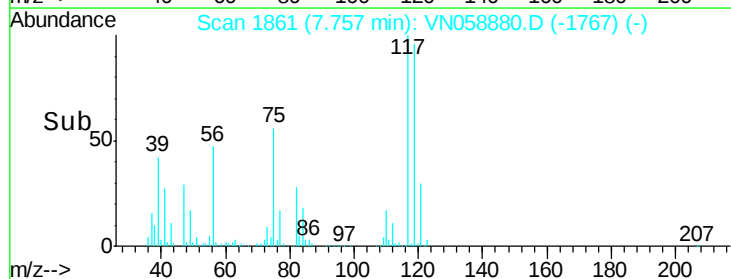
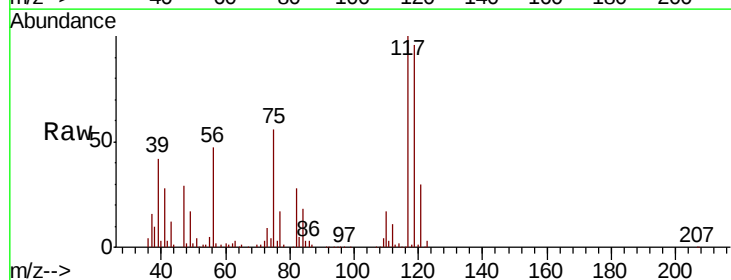
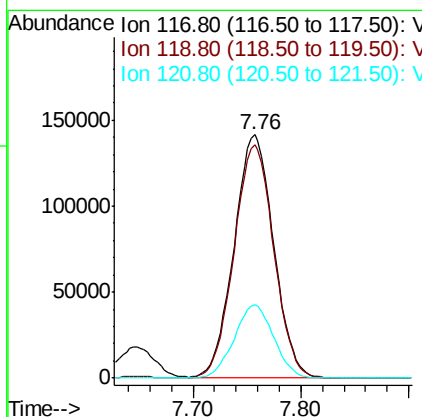
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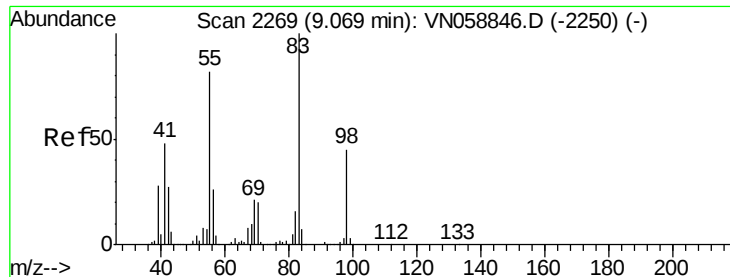
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#38
Carbon Tetrachloride
Concen: 47.851 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.7	113.5
121	30.4	25.0	37.6



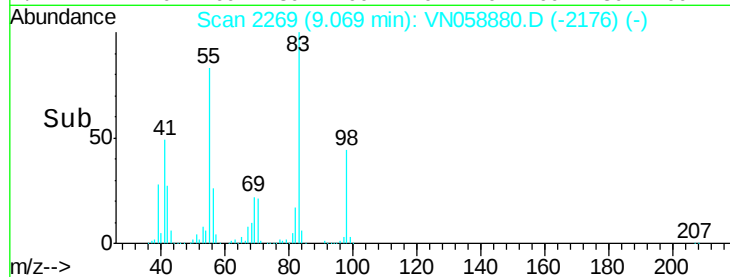
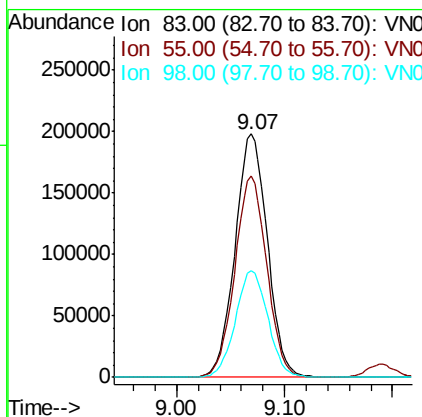
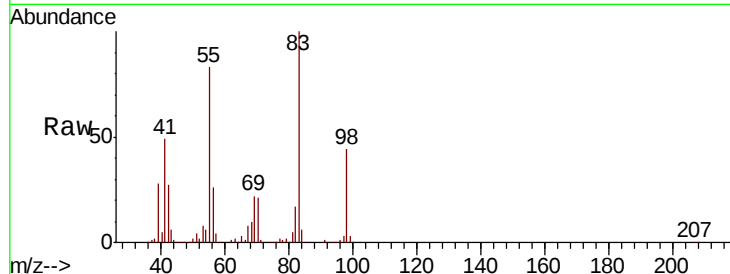


#39
Methvlcvclohexane
Concen: 50.232 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

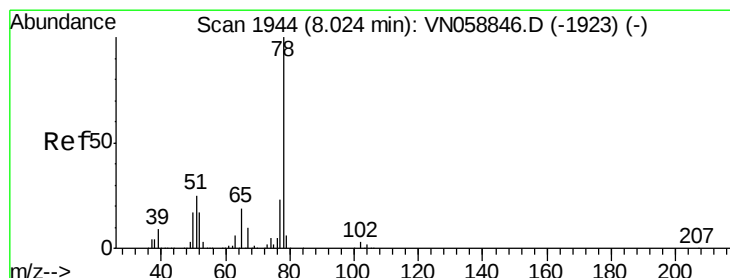
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	65.5	98.3
98	43.9	35.7	53.5

Manual Integrations
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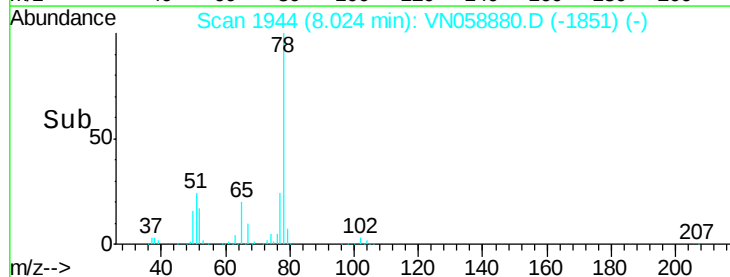
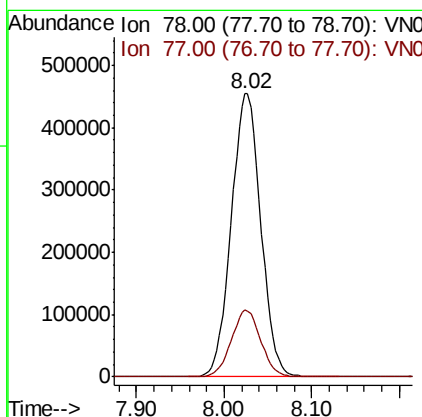
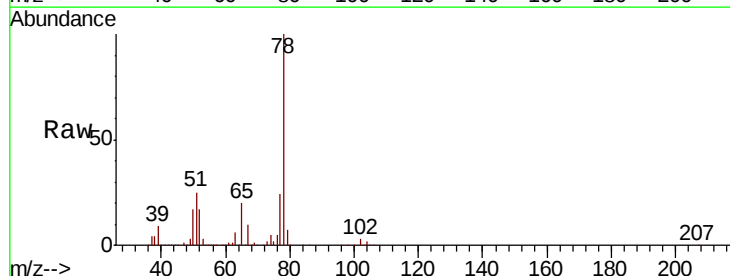
MMDadoda

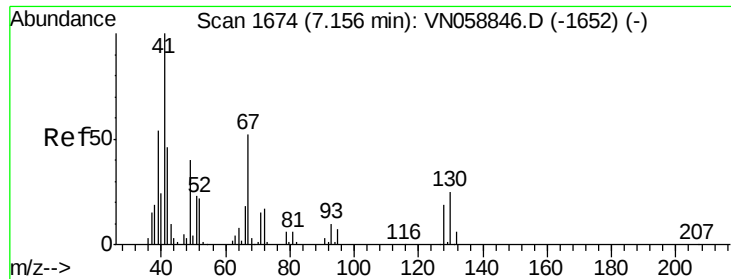
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#40
Benzene
Concen: 49.461 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.2	27.2



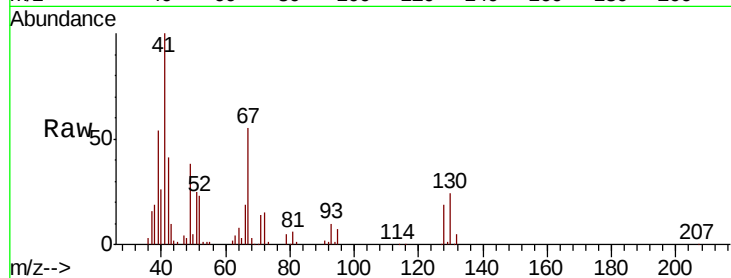


#41
Methacrylonitrile
Concen: 45.783 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

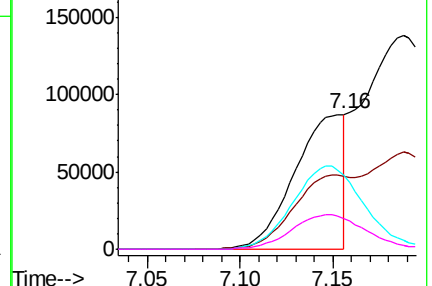
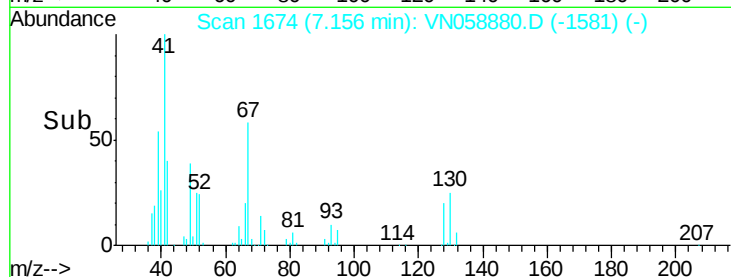
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		162626		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Manual Integrations
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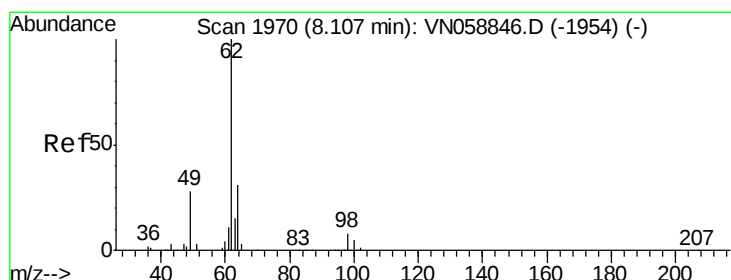


Abundance Ion 41.00 (40.70 to 41.70): VN058880.D (-1581) (-)
Ion 39.00 (38.70 to 39.70): VN058880.D (-1581) (-)
Ion 67.00 (66.70 to 67.70): VN058880.D (-1581) (-)
Ion 52.00 (51.70 to 52.70): VN058880.D (-1581) (-)



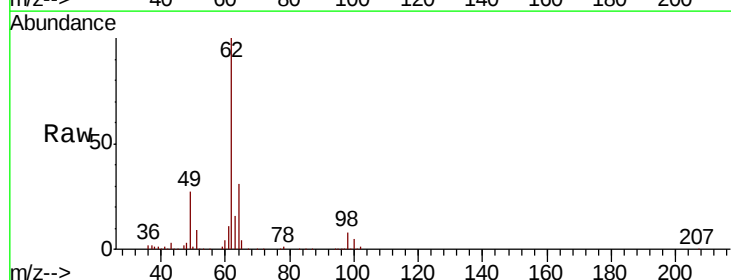
MMDadoda

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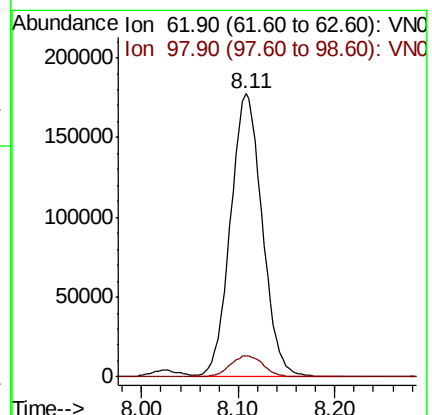
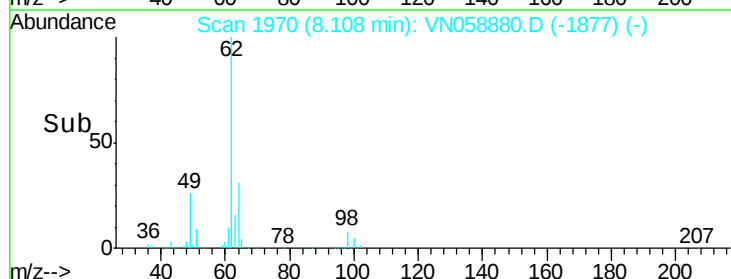


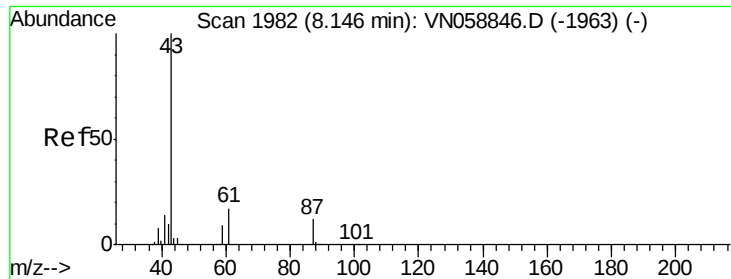
#42
1,2-Dichloroethane
Concen: 48.730 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		403456		
98	7.9	0.0	16.2		



Abundance Ion 61.90 (61.60 to 62.60): VN058880.D (-1877) (-)
Ion 97.90 (97.60 to 98.60): VN058880.D (-1877) (-)



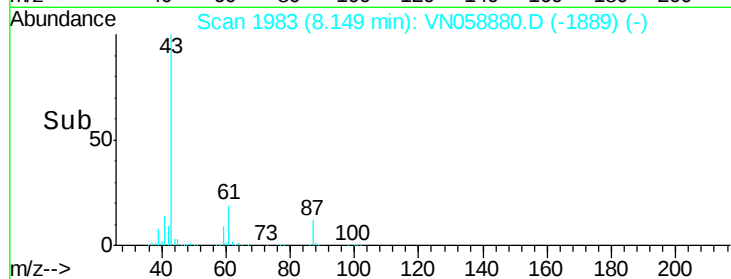
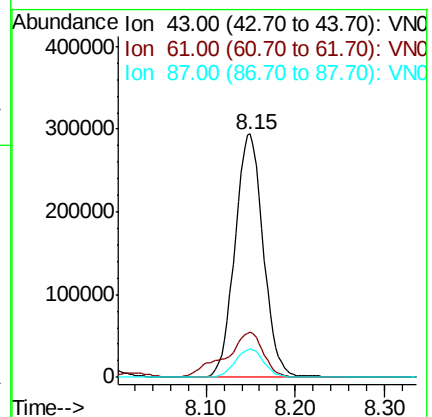
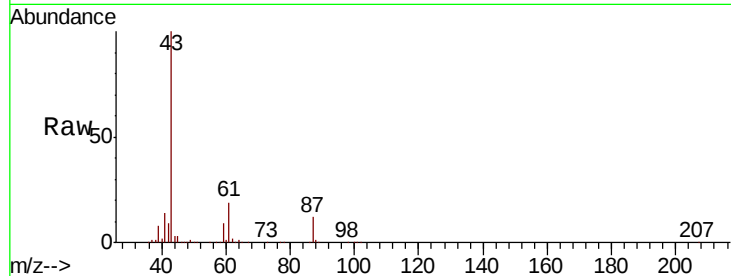


#43
Isopropyl Acetate
Concen: 50.405 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

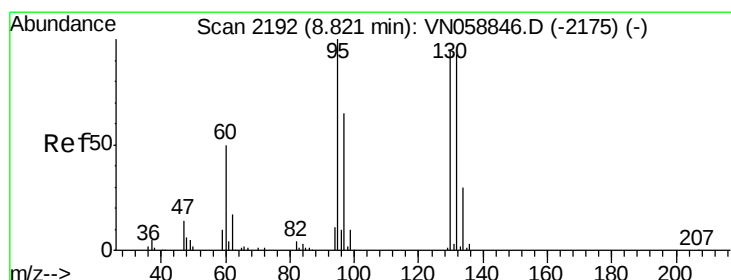
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.0	20.2	30.2
87	11.7	9.5	14.3

Manual Integrations
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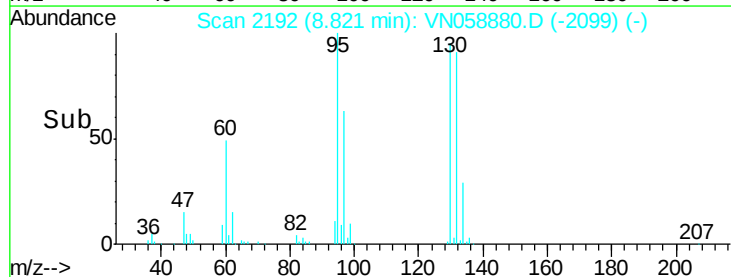
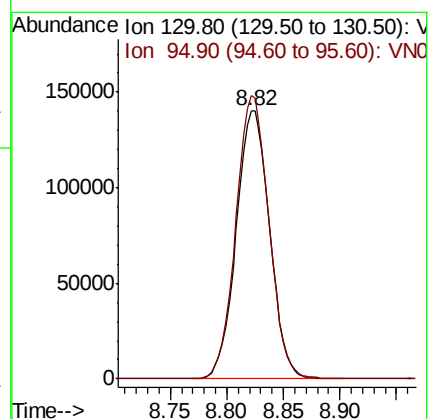
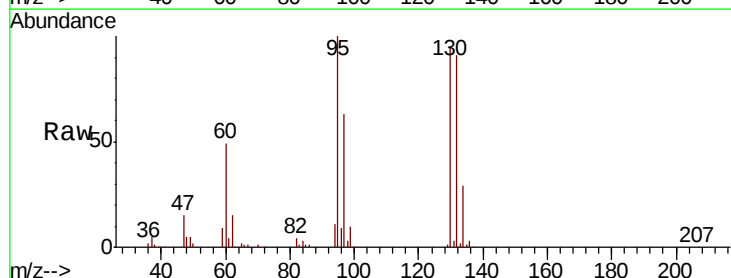
MMDadoda

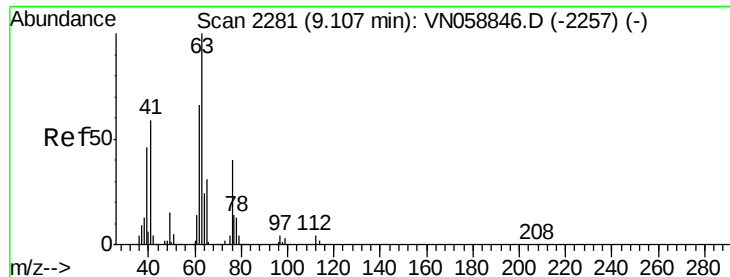
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#44
Trichloroethene
Concen: 55.259 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	209.6



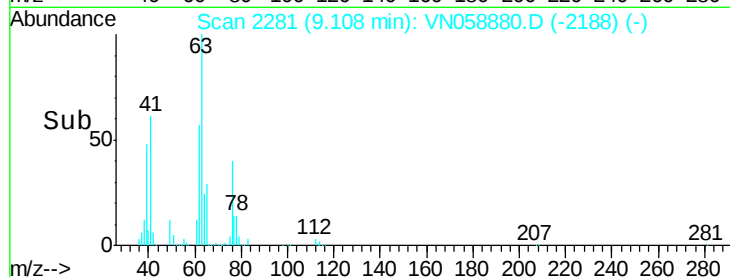
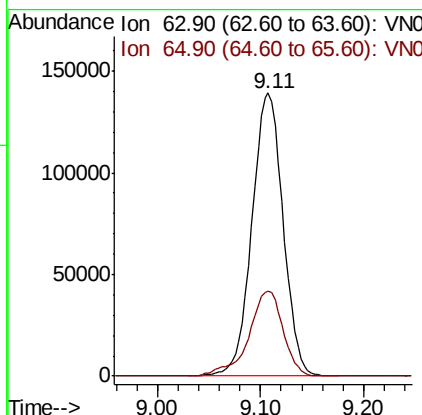
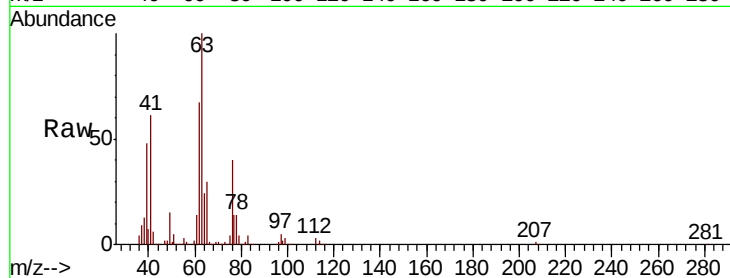


#45
 1,2-Dichloropropane
 Concen: 49.305 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

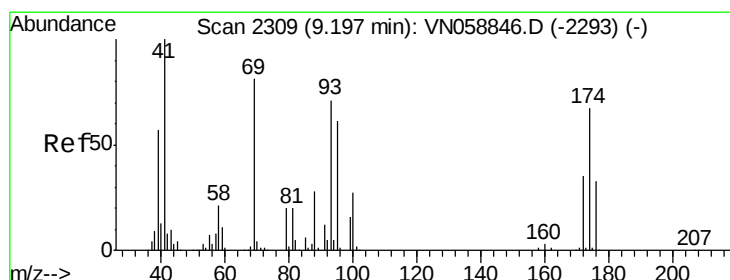
Tot Ion	63	Resp	290593
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.5	36.7

Manual Integrations
 APPROVED



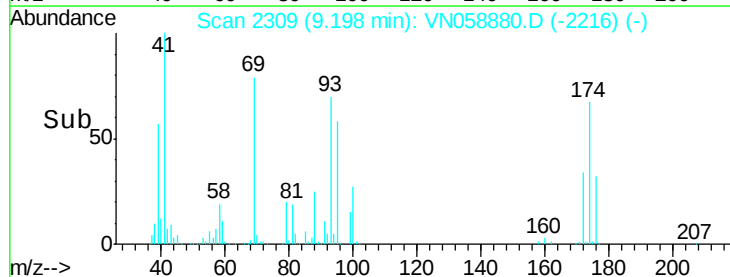
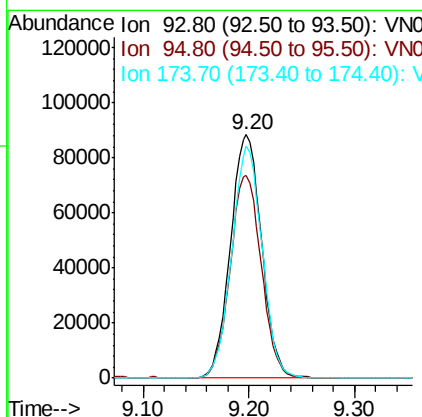
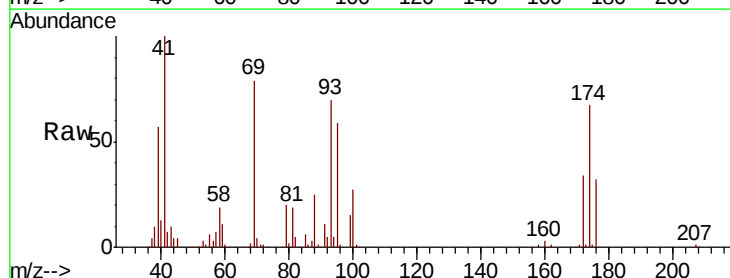
MMDadoda

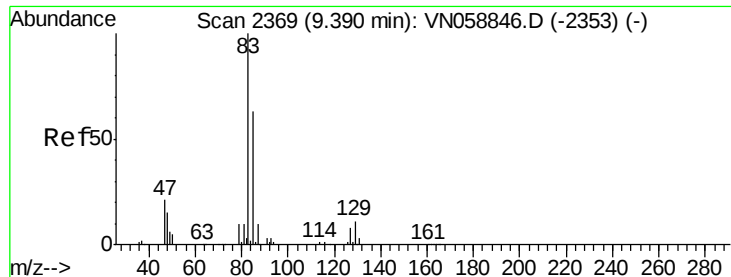
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#46
 Dibromomethane
 Concen: 48.513 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion	93	Resp	180757
Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.6	101.4
174	93.0	74.1	111.1





#47

Bromodichloromethane

Concen: 49.340 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

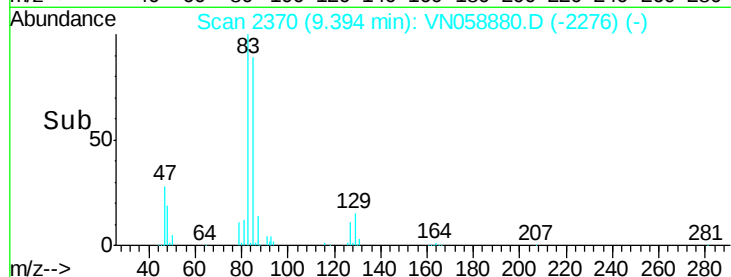
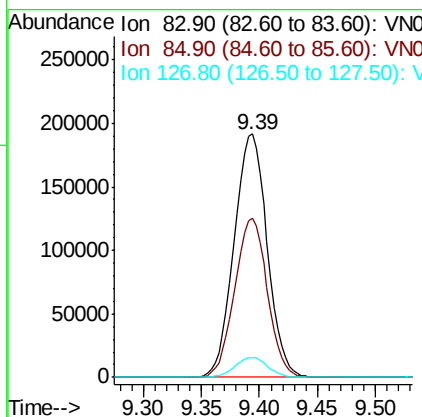
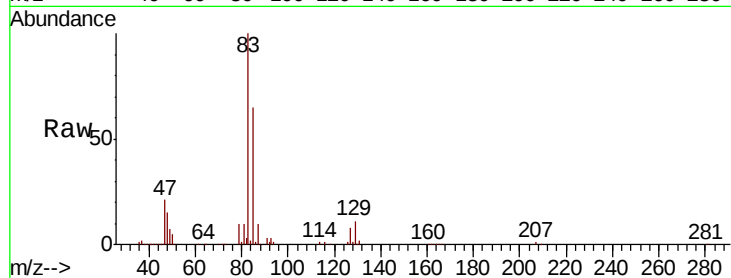
MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

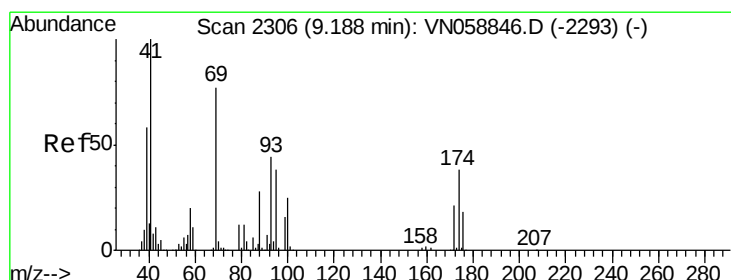
Tot Ion:	83	Resp:	378897
Ion Ratio	Lower	Upper	
83	100		
85	65.1	50.6	75.8
127	8.3	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.893 ug/l

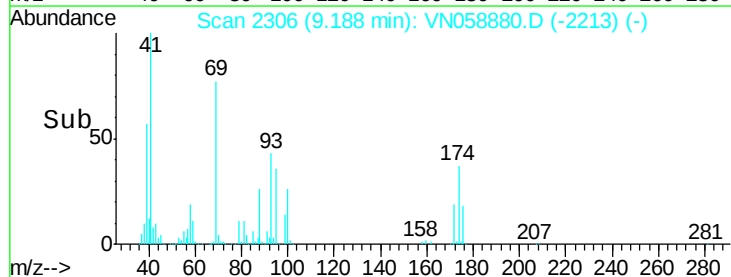
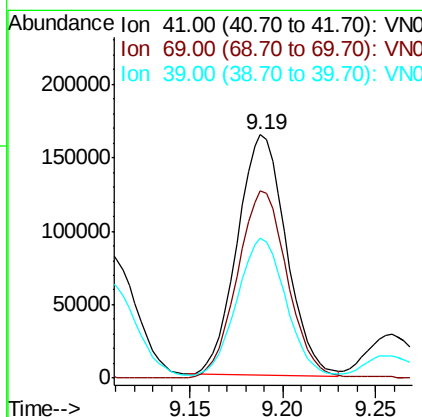
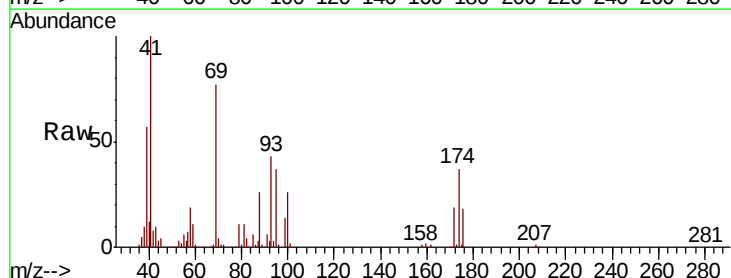
RT: 9.19 min Scan# 2306

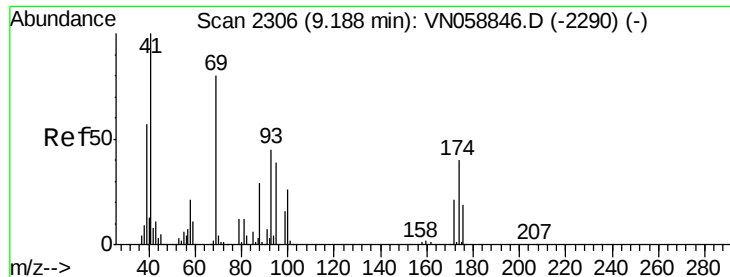
Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Tgt Ion:	41	Resp:	301146
Ion Ratio	Lower	Upper	
41	100		
69	79.7	63.8	95.6
39	59.0	47.8	71.8



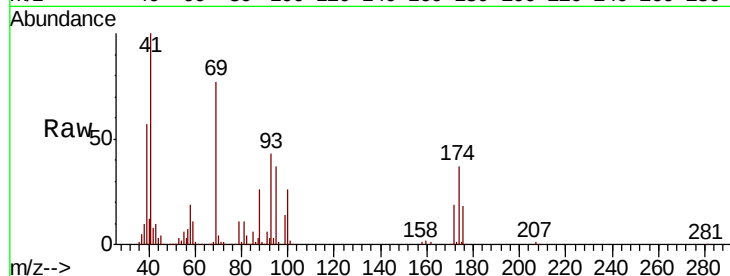


#49
1,4-Dioxane
Concen: 900.163 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	29.1	43.7
58	74.8	59.4	89.0

Manual Integrations
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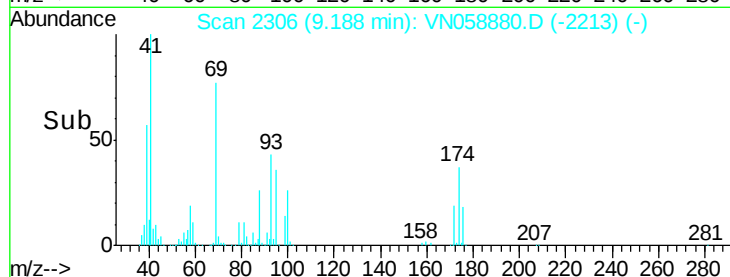
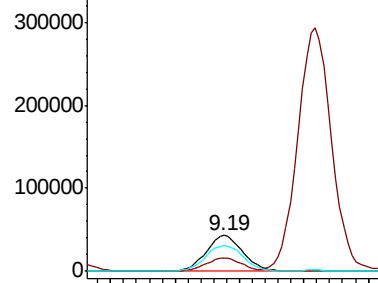


Abundance

Ion 88.00 (87.70 to 88.70): VN058880.D (-2213) (-)

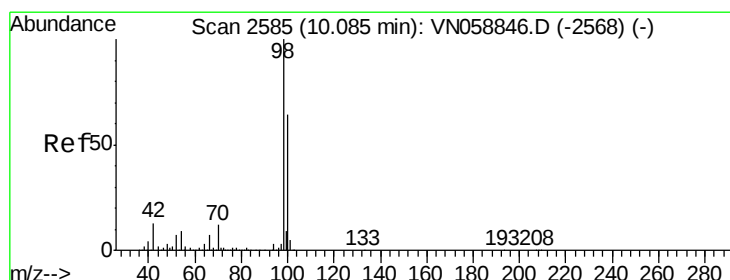
Ion 43.00 (42.70 to 43.70): VN058880.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN058880.D (-2213) (-)



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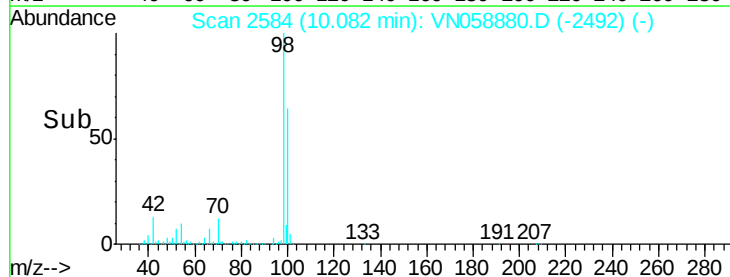
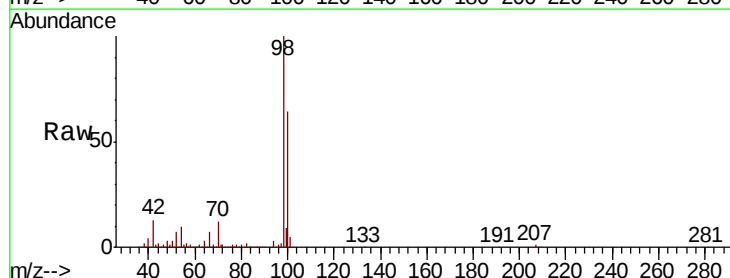
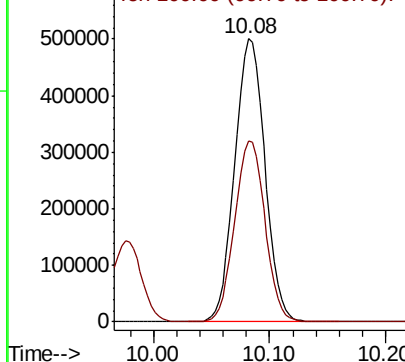
#50
Toluene-d8
Concen: 49.769 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

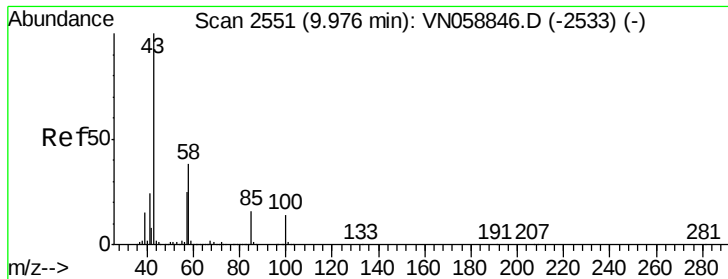
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.2

Abundance

Ion 98.00 (97.70 to 98.70): VN058880.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058880.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 265.836 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

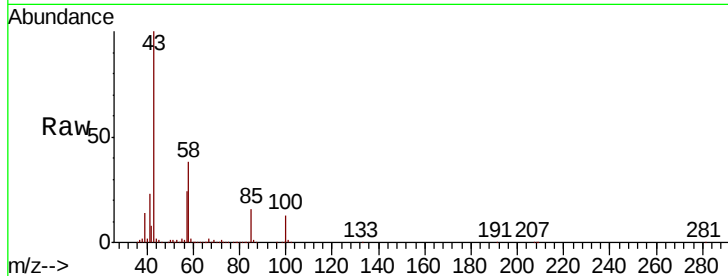
Tot Ion: 43 Resp: 1986064

Ion Ratio Lower Upper

43 100

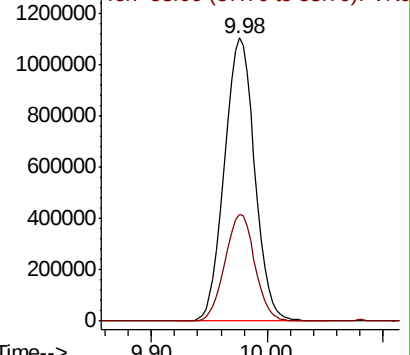
58 37.5 29.9 44.9

Manual Integrations
APPROVED



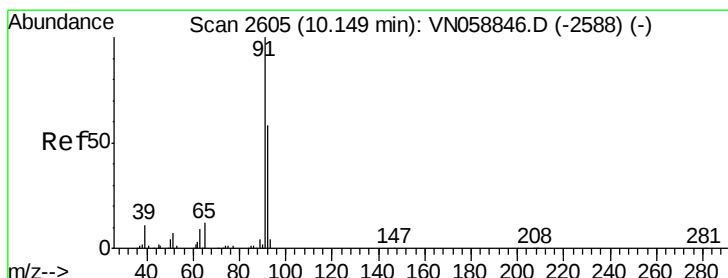
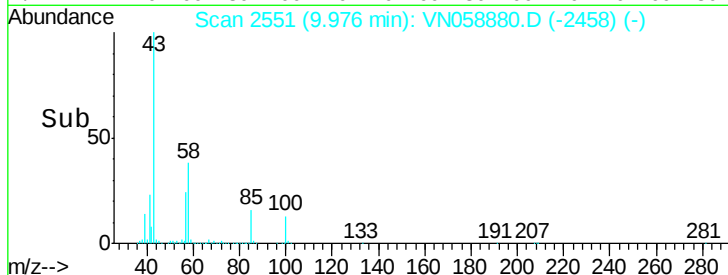
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



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#52

Toluene

Concen: 51.216 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058880.D

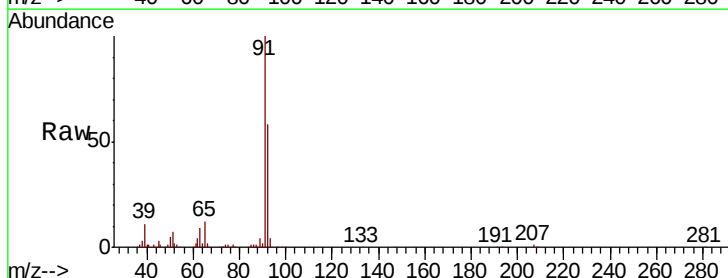
Acq: 21 Oct 2019 12:11

Tgt Ion: 92 Resp: 652795

Ion Ratio Lower Upper

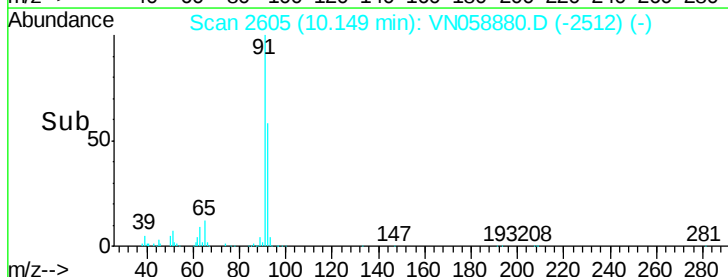
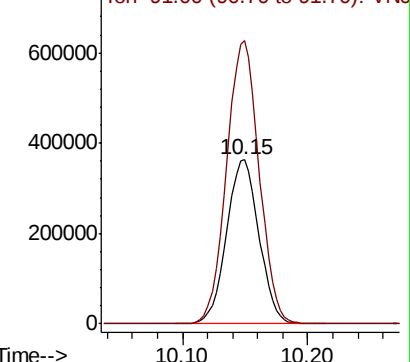
92 100

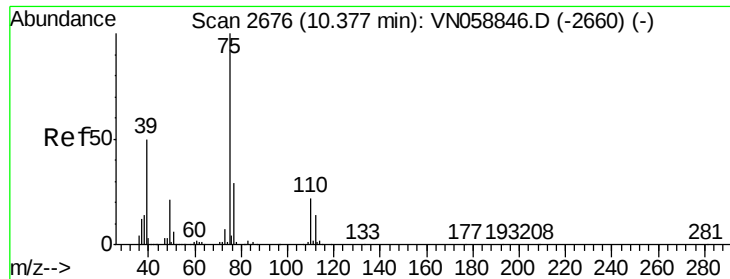
91 173.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



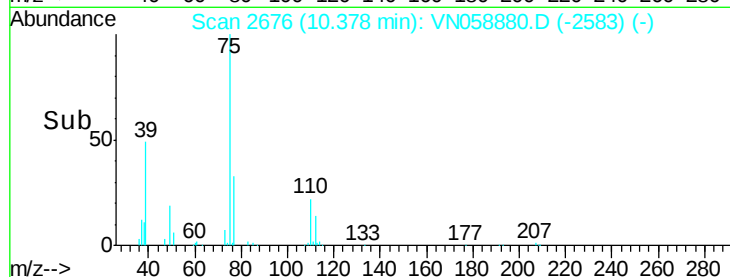
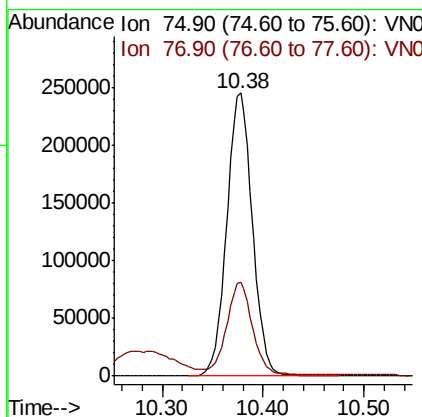
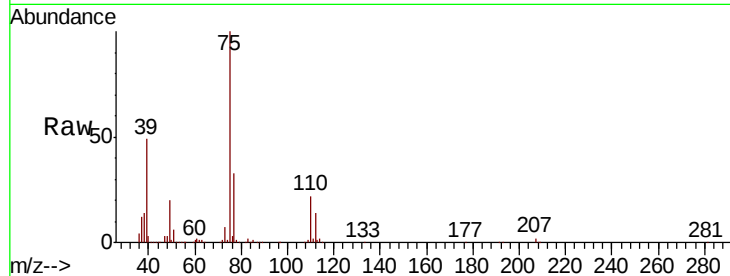


#53
t-1,3-Dichloropropene
Concen: 50.964 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

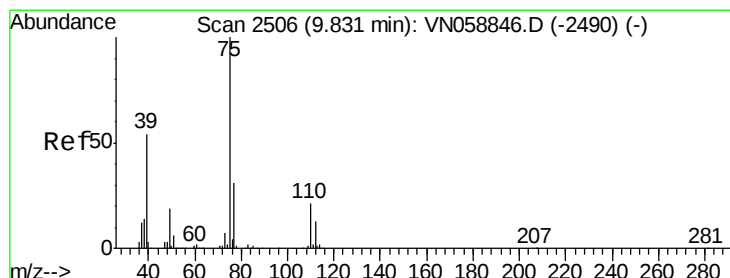
Tot Ion: 75 Resp: 433253
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5

Manual Integrations
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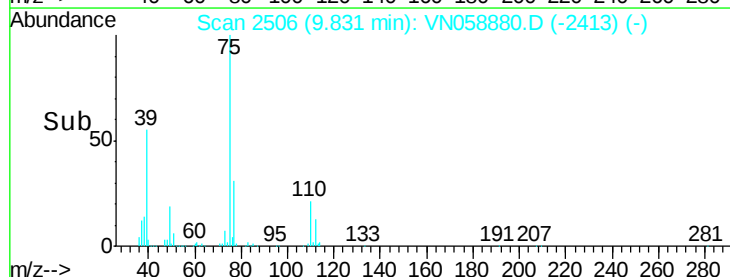
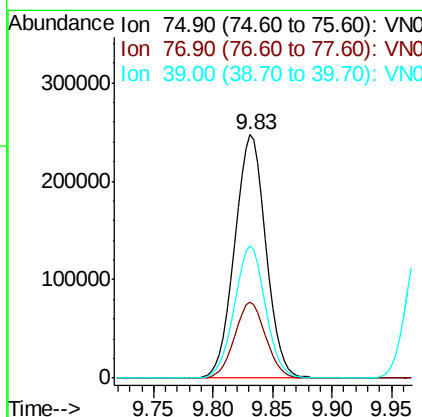
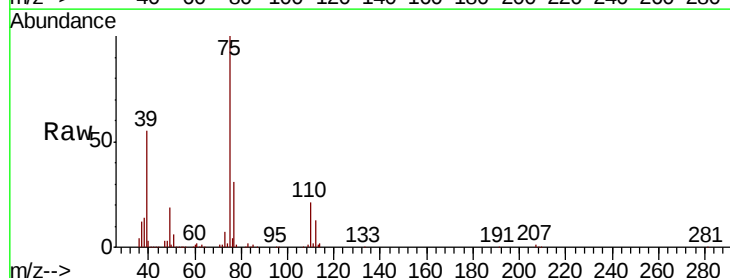
MMDadoda

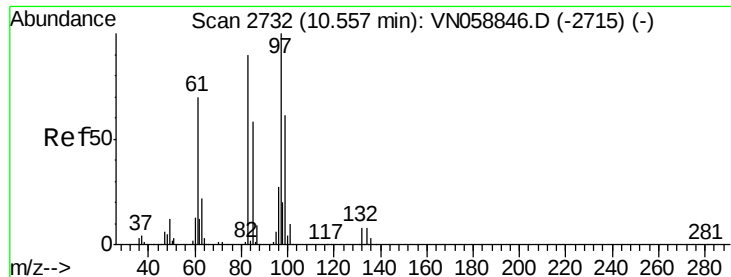
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#54
cis-1,3-Dichloropropene
Concen: 49.464 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion: 75 Resp: 449259
Ion Ratio Lower Upper
75 100
77 31.3 24.7 37.1
39 54.5 43.5 65.3





#55

1,1,2-Trichloroethane

Concen: 49.125 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

Tot Ion: 97 Resp: 257944

Ion Ratio Lower Upper

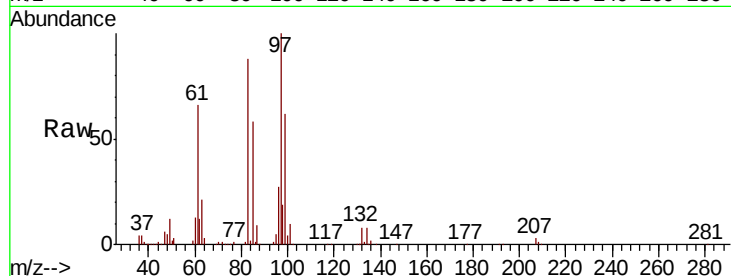
97 100

83 88.2 72.2 108.4

85 57.8 46.2 69.2

99 61.9 48.7 73.1

Manual Integrations
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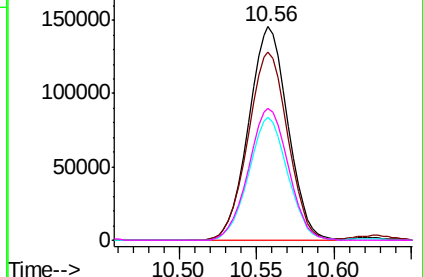
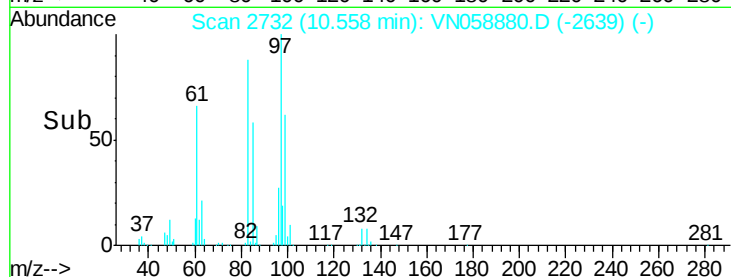
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

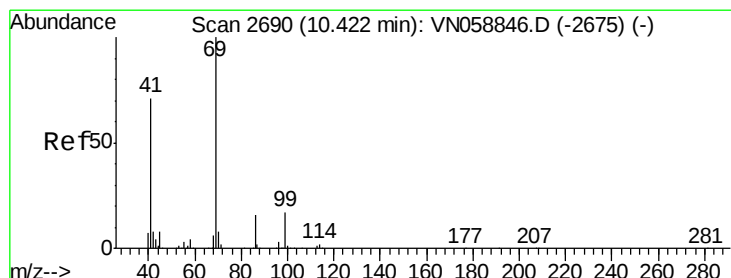
Ion 98.90 (98.60 to 99.60): VN0

Time-->



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#56

Ethyl methacrylate

Concen: 46.607 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

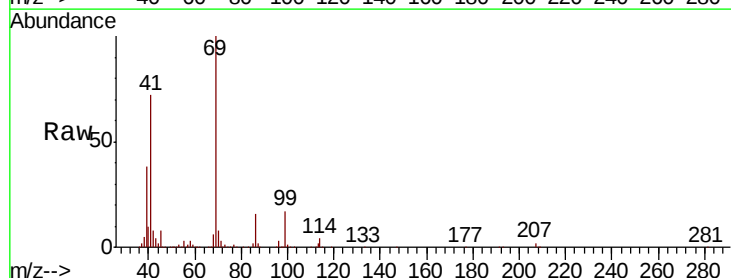
Tgt Ion: 69 Resp: 409767

Ion Ratio Lower Upper

69 100

41 71.4 57.2 85.8

39 38.5 31.0 46.4

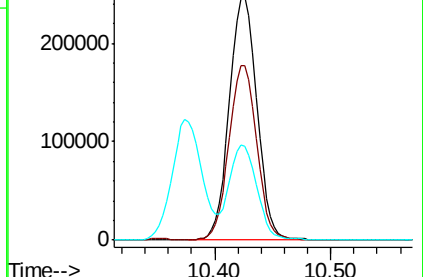
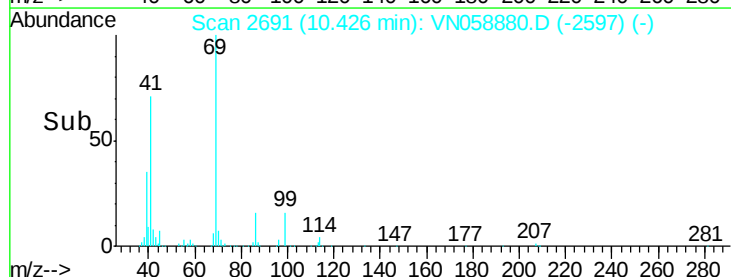


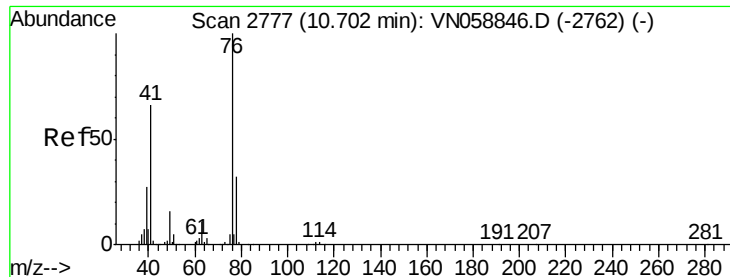
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->



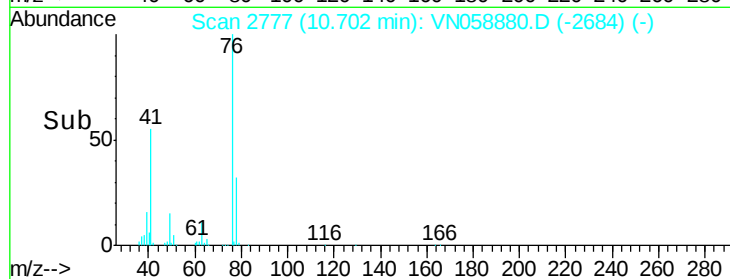
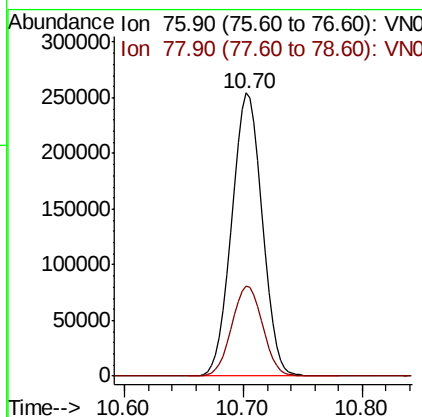
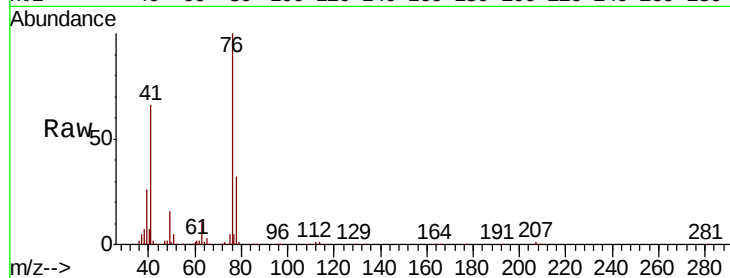


#57
 1,3-Dichloropropane
 Concen: 49.124 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

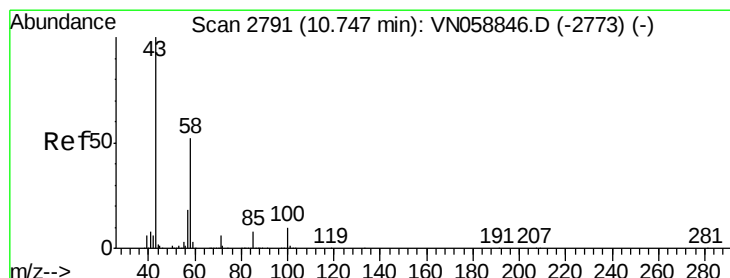
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.4	38.0

Manual Integrations
 APPROVED



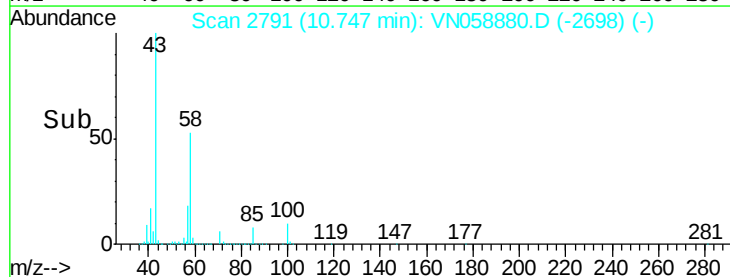
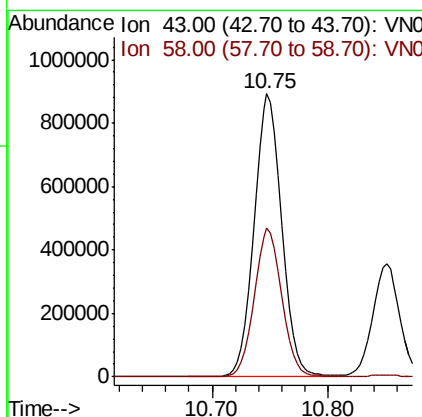
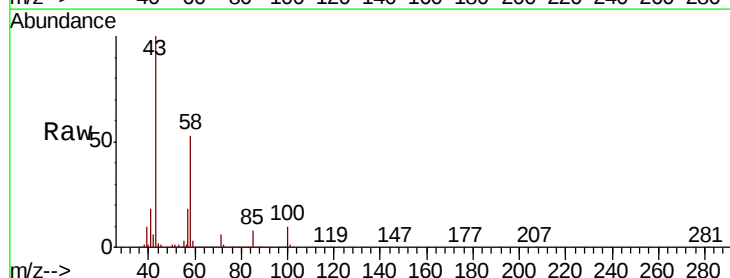
MMDadoda

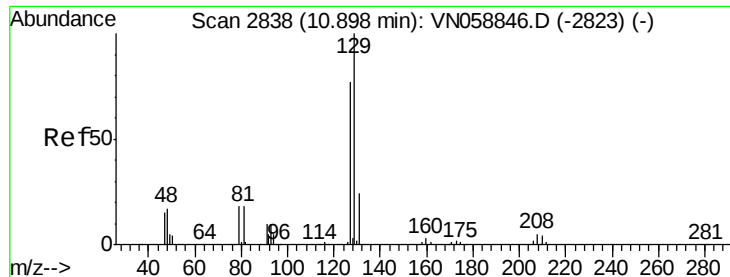
10/22/2019 4:55:19 PM



#59
 2-Hexanone
 Concen: 257.358 ug/l
 RT: 10.75 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.4	25.9	77.7



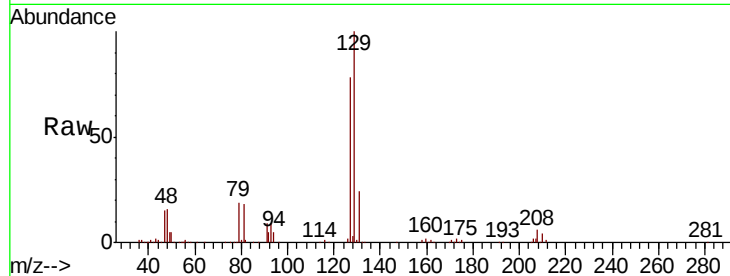


#60
 Dibromochloromethane
 Concen: 49.703 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

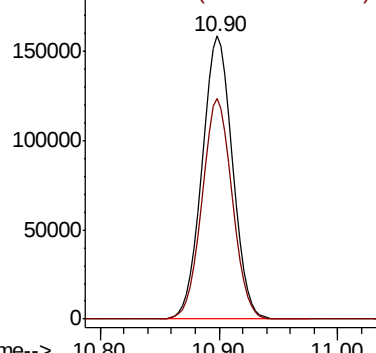
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.1	117.3

Manual Integrations
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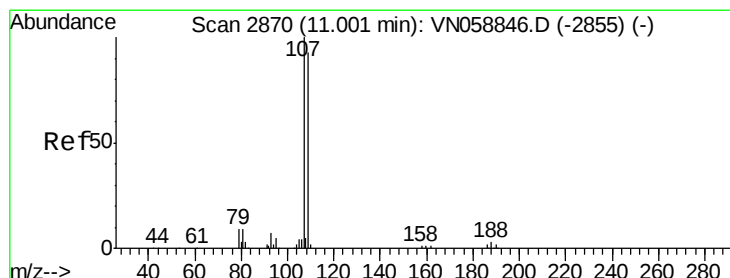
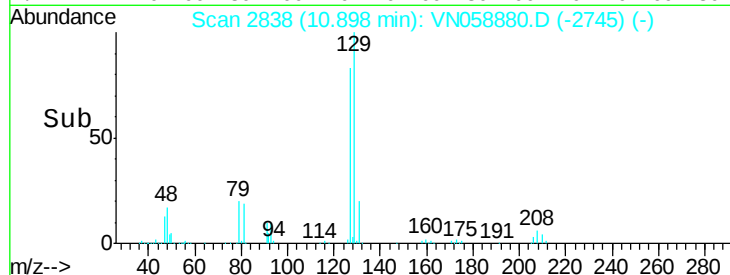


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V



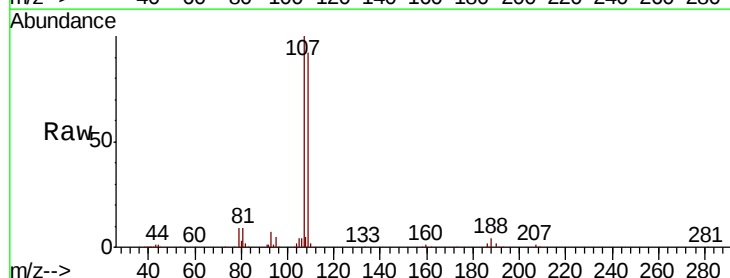
MMDadoda

10/22/2019 4:55:19 PM

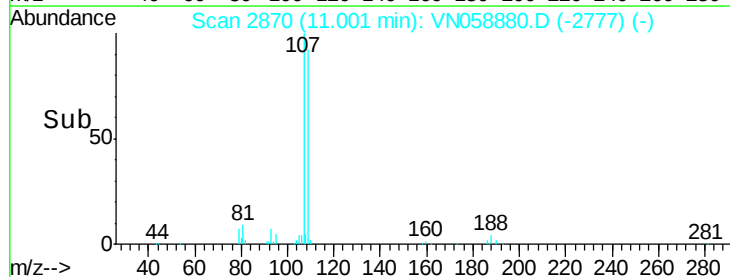
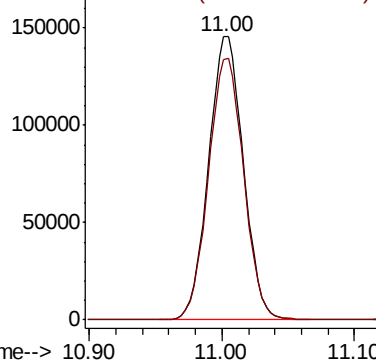


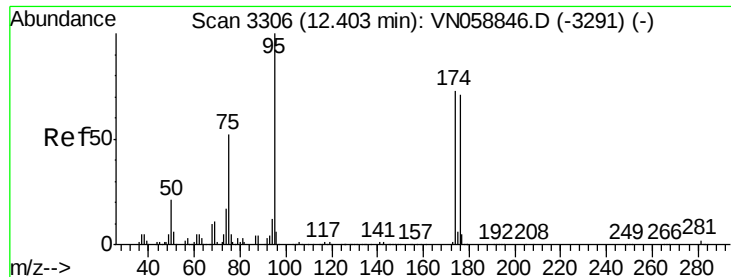
#61
 1,2-Dibromoethane
 Concen: 49.254 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.2	112.8



Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V



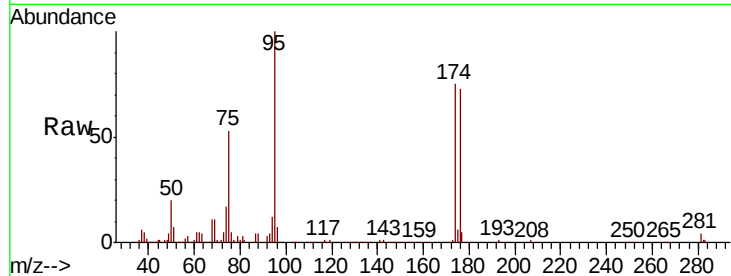


#62
4-Bromofluorobenzene
Concen: 49.627 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	332537		
174	75.6	0.0	147.6	
176	73.6	0.0	143.2	

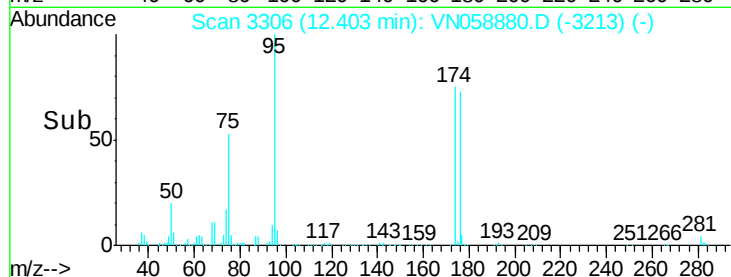
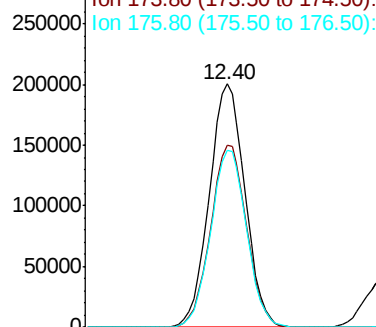
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Abundance Ion 94.90 (94.60 to 95.60): VN058880.D (-3291) (-)

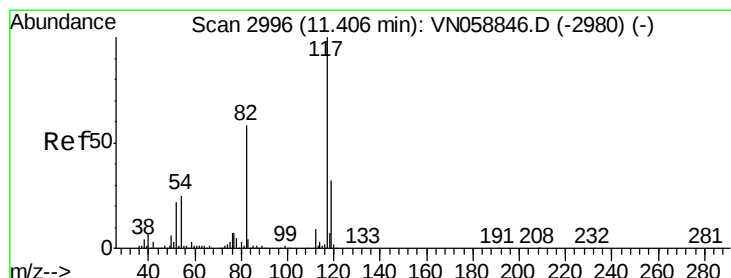
Ion 173.80 (173.50 to 174.50): VN058880.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058880.D (-3291) (-)



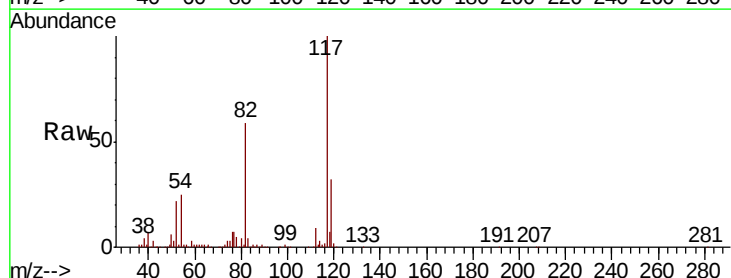
MMDadoda

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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

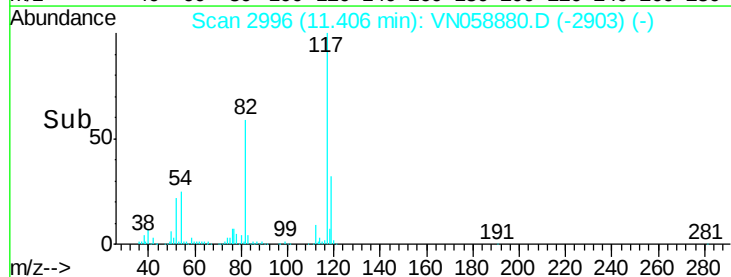
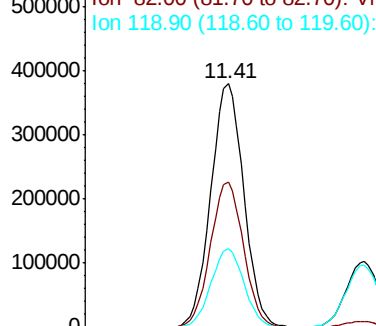
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	656973		
82	59.4	46.6	69.8	
119	32.3	25.6	38.4	

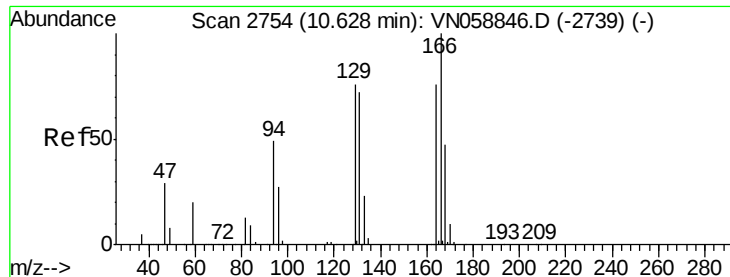


Abundance Ion 116.90 (116.60 to 117.60): VN058880.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058880.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058880.D (-2980) (-)



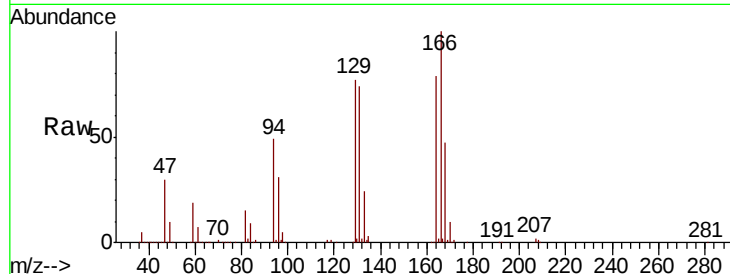


#64
Tetrachloroethene
Concen: 48.850 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

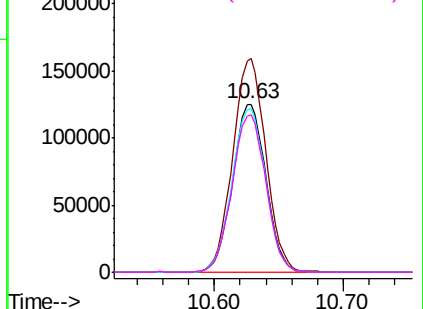
Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.8	157.2
129	97.2	79.3	118.9
131	93.9	75.8	113.6

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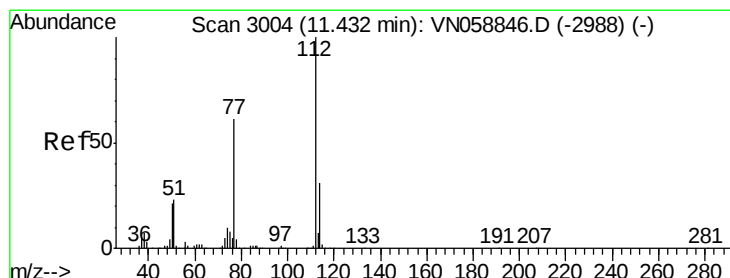
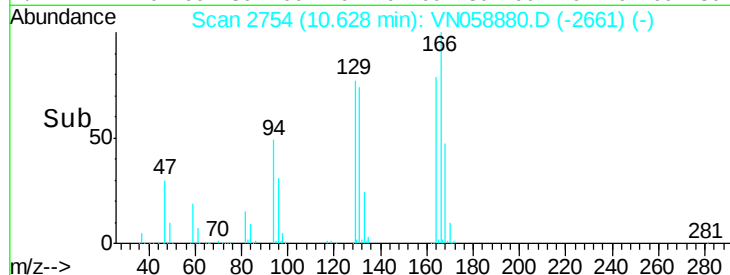


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



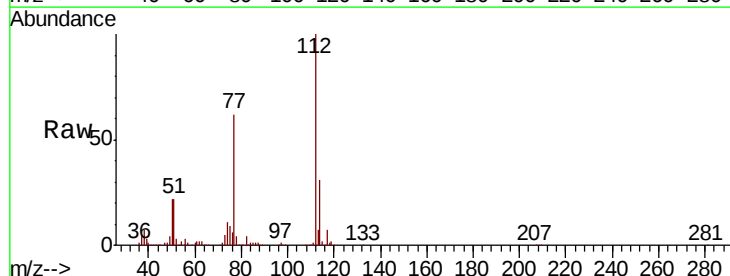
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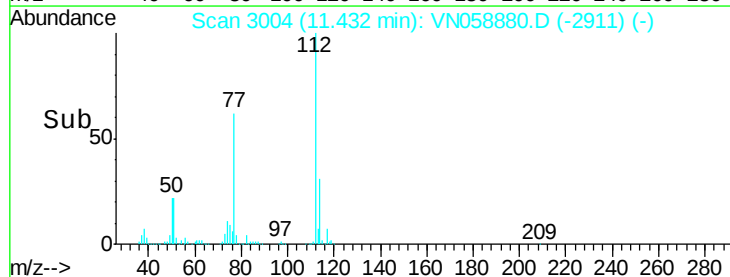
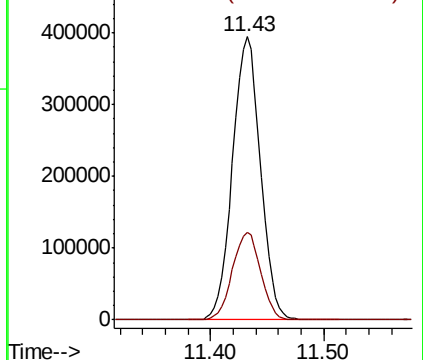


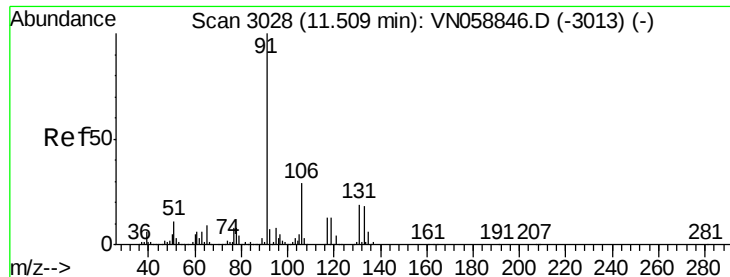
#65
Chlorobenzene
Concen: 50.643 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.1	37.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 50.824 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

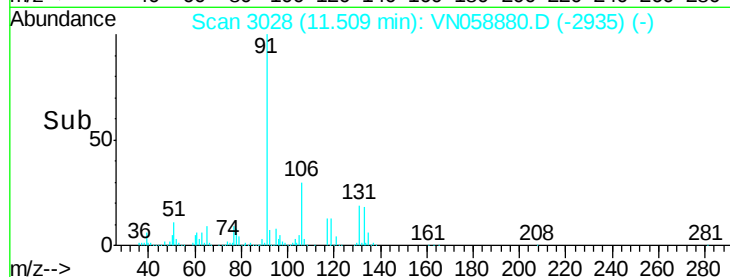
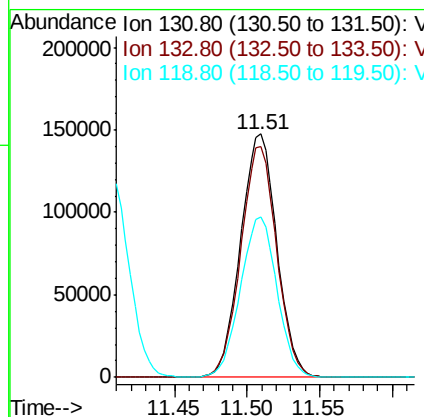
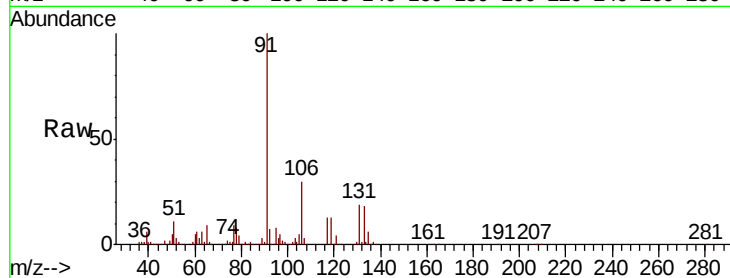
MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

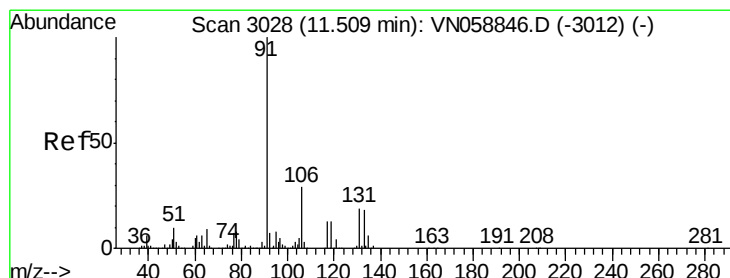
Tot Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.4	145.2
119	66.5	33.6	100.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 53.783 ug/l

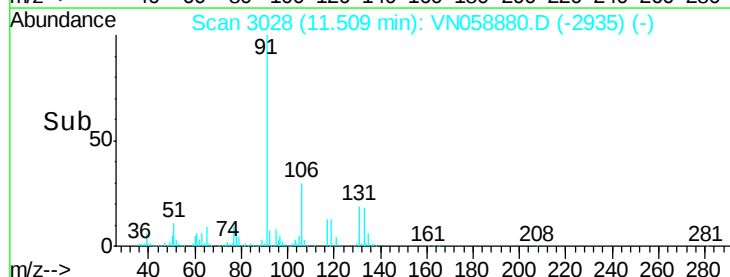
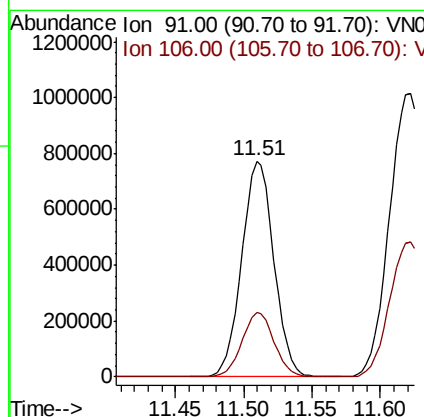
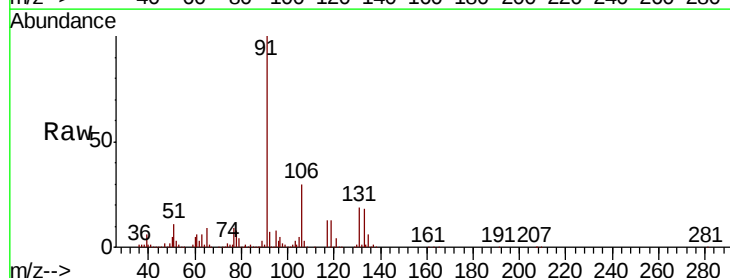
RT: 11.51 min Scan# 3028

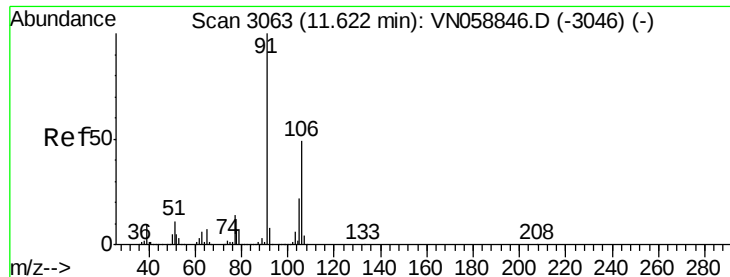
Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.0



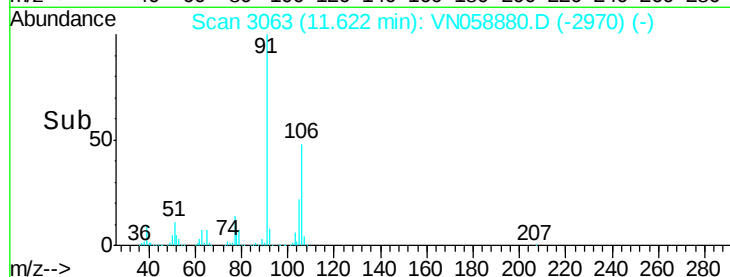
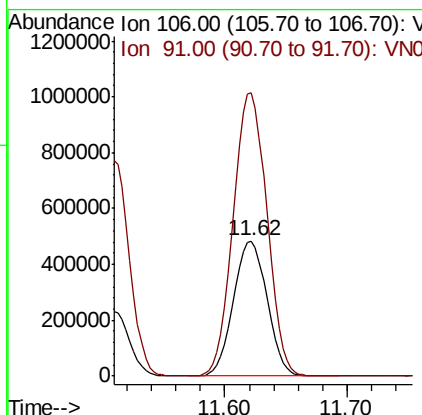
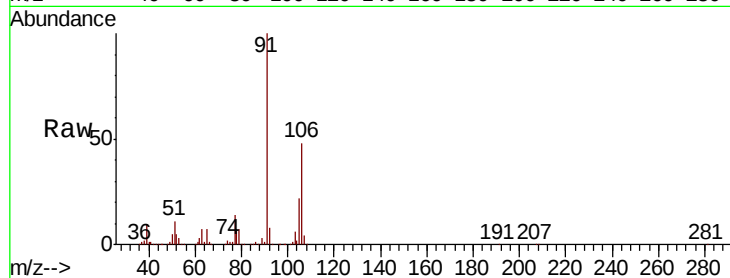


#68
m/p-Xylenes
Concen: 106.242 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

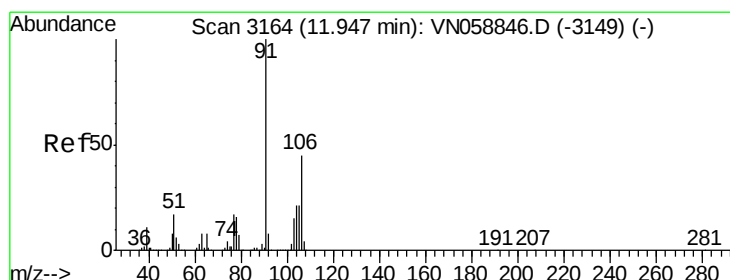
Tot Ion:106 Resp: 924428
Ion Ratio Lower Upper
106 100
91 210.1 166.6 249.8

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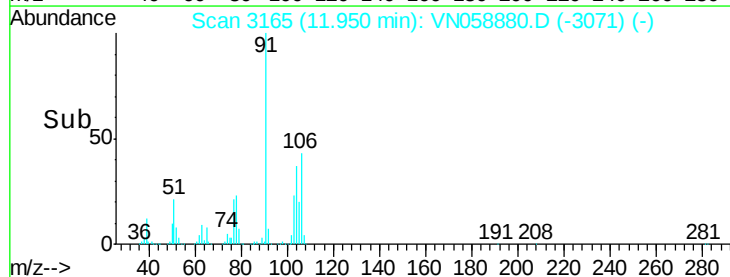
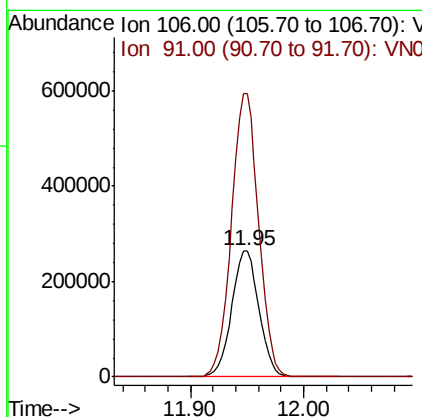
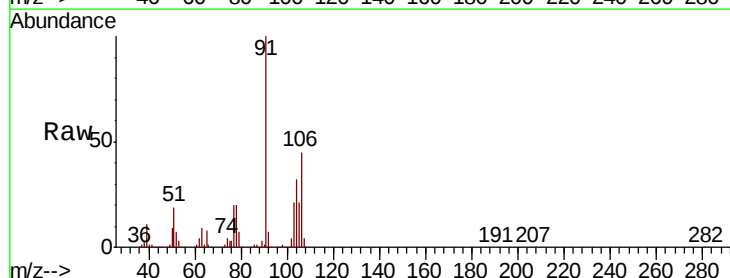
MMDadoda

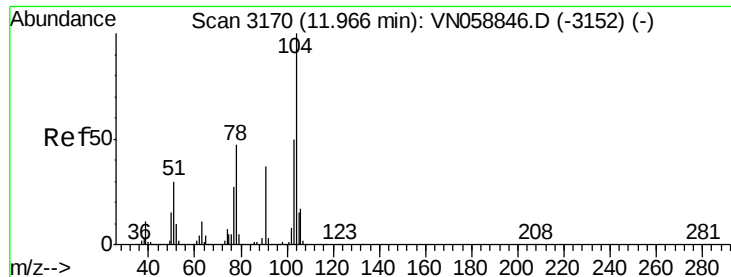
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#69
o-Xylene
Concen: 53.194 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion:106 Resp: 441435
Ion Ratio Lower Upper
106 100
91 223.9 111.5 334.4



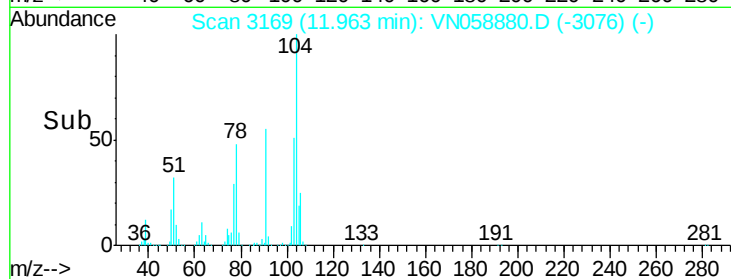
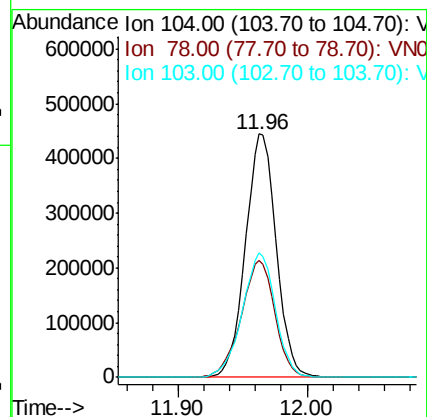
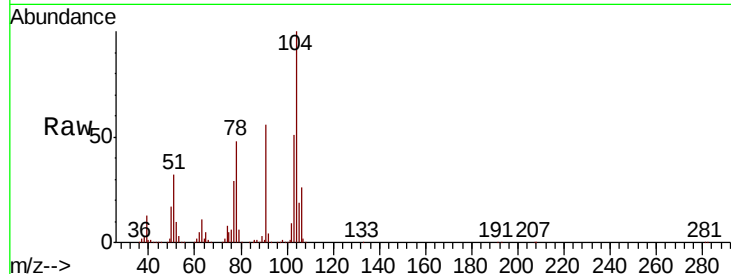


#70
Stvrene
Concen: 48.334 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

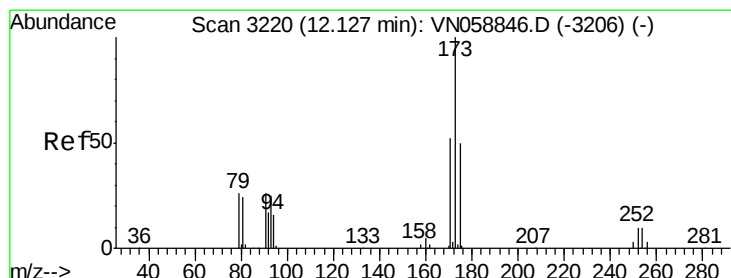
Tot Ion:	104	Resp:	739477
Ion Ratio	Lower	Upper	
104	100		
78	52.6	42.8	64.2
103	55.1	44.3	66.5

Manual Integrations
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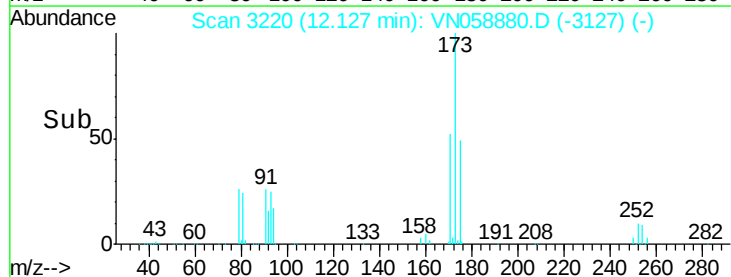
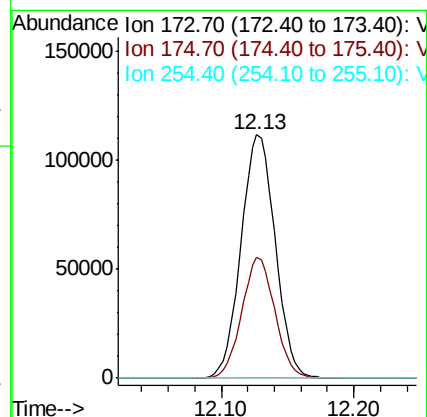
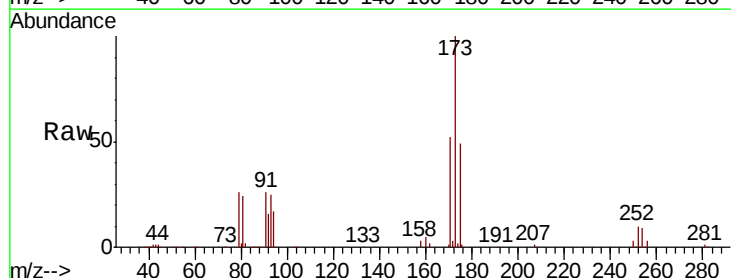
MMDadoda

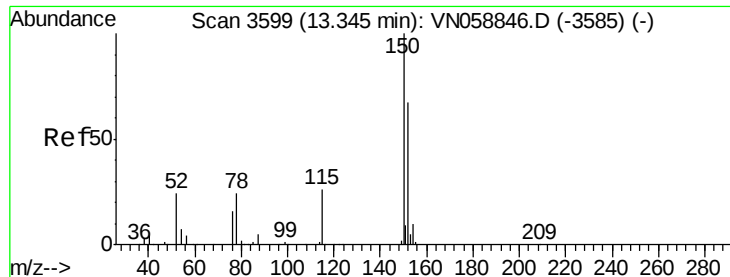
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#71
Bromoform
Concen: 51.051 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion:	173	Resp:	199805
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.7	74.1
254	0.1	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

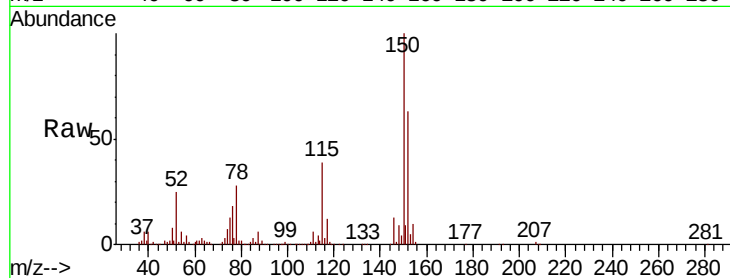
MSVOA_N

ClientSampleId :

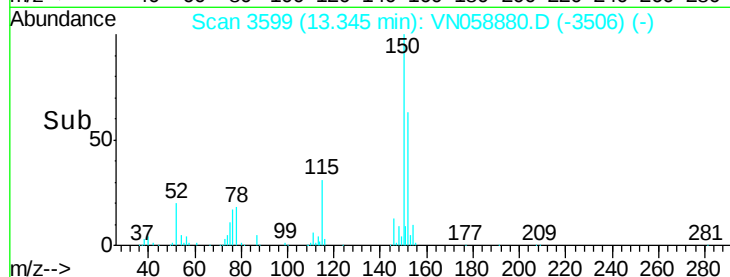
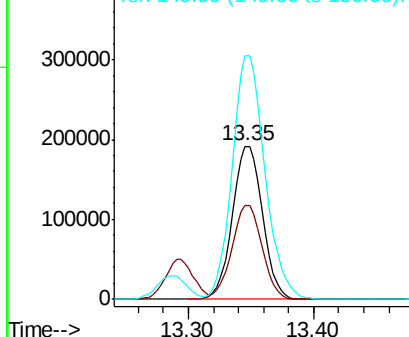
FA19-JBW7326BMS

Tot Ion:	152	Resp:	319653
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.5	91.5
150	172.6	0.0	344.4

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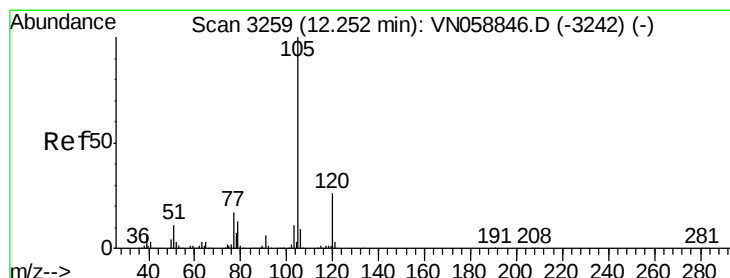


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



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#73

Isopropylbenzene

Concen: 51.988 ug/l

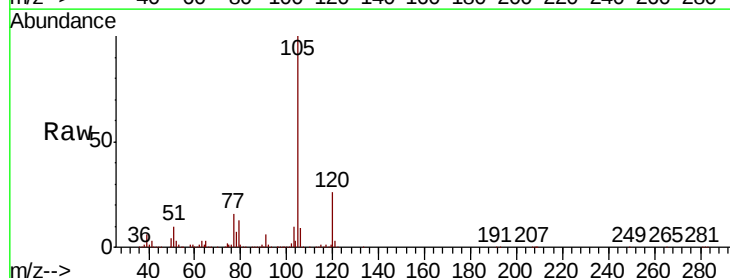
RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

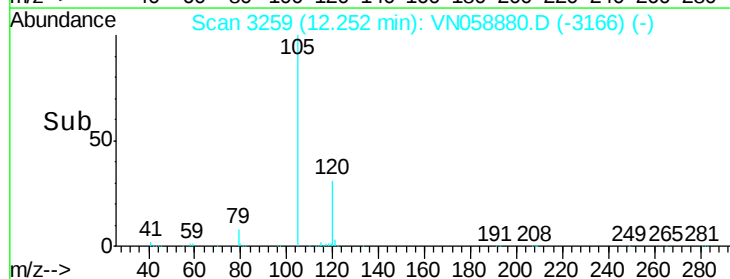
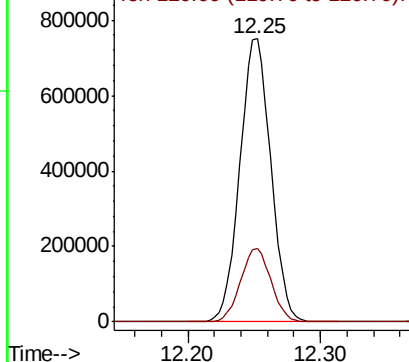
Lab File: VN058880.D

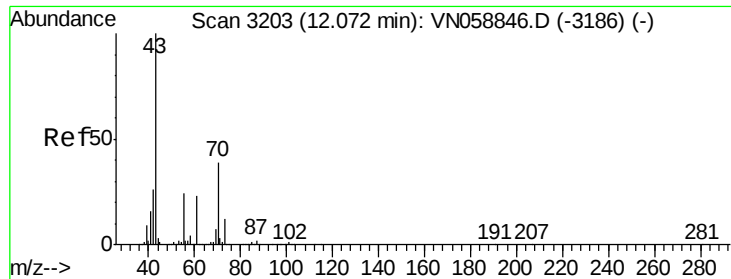
Acq: 21 Oct 2019 12:11

Tgt Ion:	105	Resp:	1214481
Ion Ratio	Lower	Upper	
105	100		
120	25.6	12.8	38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



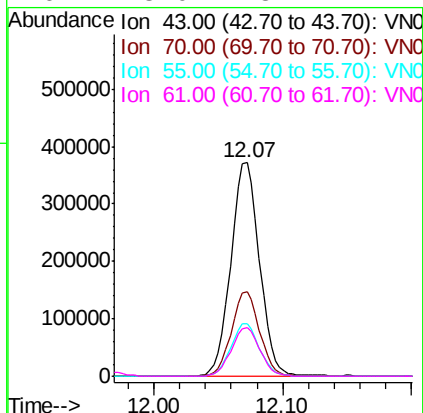
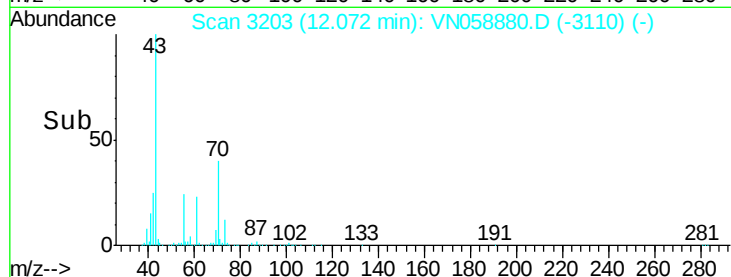
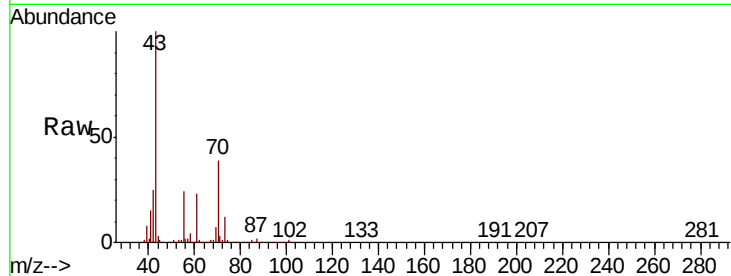


#74
N-amvl acetate
Concen: 53.859 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

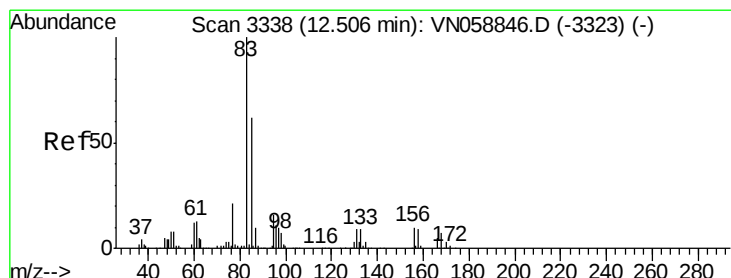
Tot Ion	Ratio	Lower	Upper
43	100		
70	38.9	30.9	46.3
55	24.8	19.7	29.5
61	23.0	18.2	27.4

Manual Integrations
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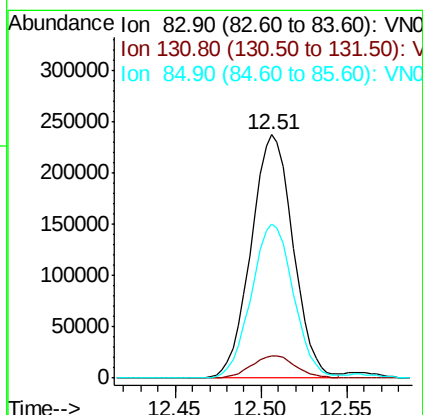
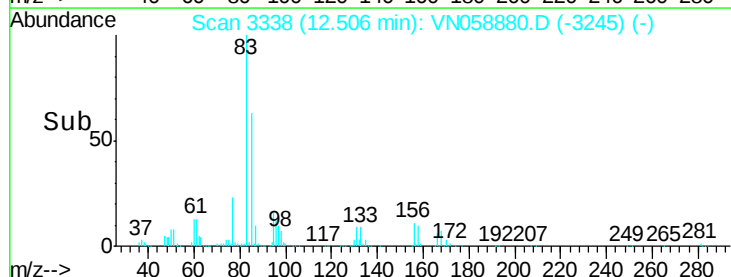
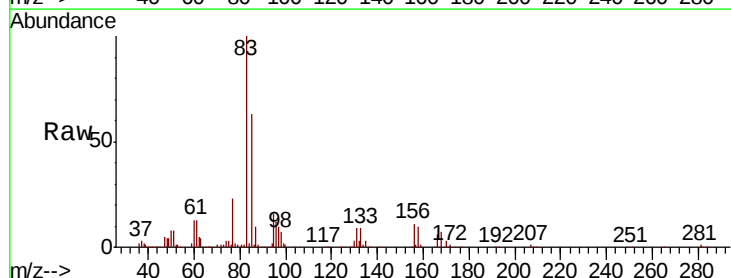
MMDadoda

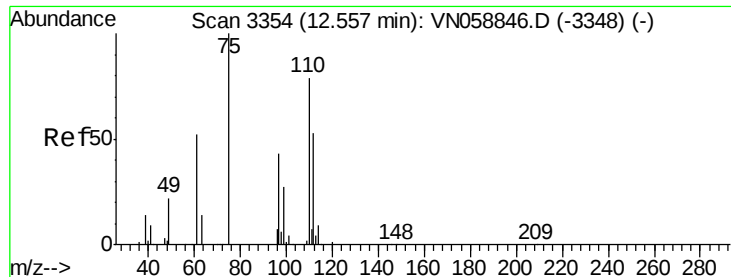
10/22/2019 4:55:19 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 48.791 ug/l
RT: 12.51 min Scan# 3338
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.7	14.1
85	63.6	31.7	95.1





#76

1,2,3-Trichloropropane

Concen: 46.836 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

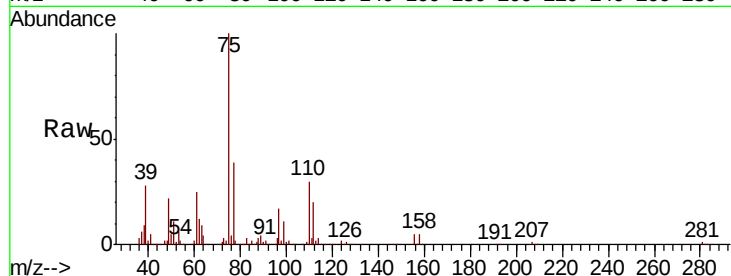
Tot Ion: 75 Resp: 346976

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

Manual Integrations
APPROVED



Abundance Ion 74.90 (74.60 to 75.60): VN058880.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058880.D (-3261) (-)

300000

200000

100000

0

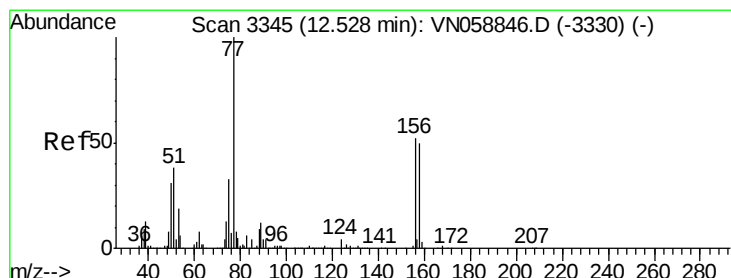
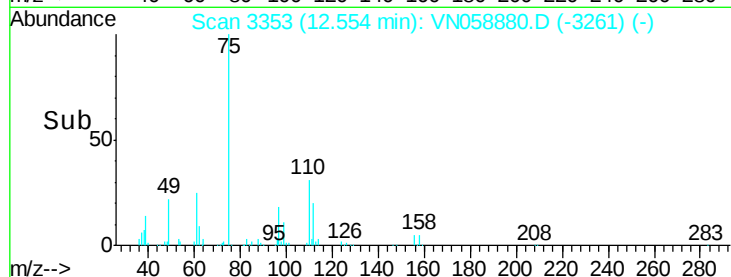
12.55

12.60

Time-->

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10/22/2019 4:55:19 PM



#77

Bromobenzene

Concen: 49.061 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

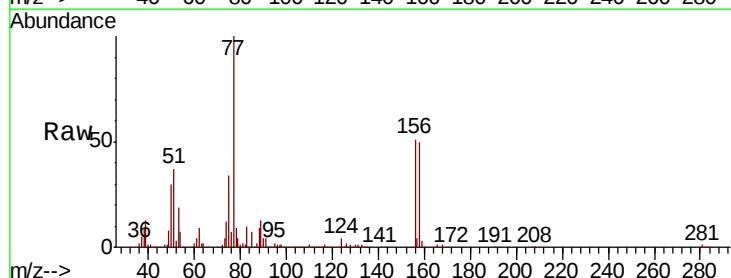
Tgt Ion: 156 Resp: 282493

Ion Ratio Lower Upper

156 100

77 236.4 118.0 354.0

158 97.8 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): VN058880.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN058880.D (-3252) (-)

Ion 157.80 (157.50 to 158.50): VN058880.D (-3252) (-)

400000

300000

200000

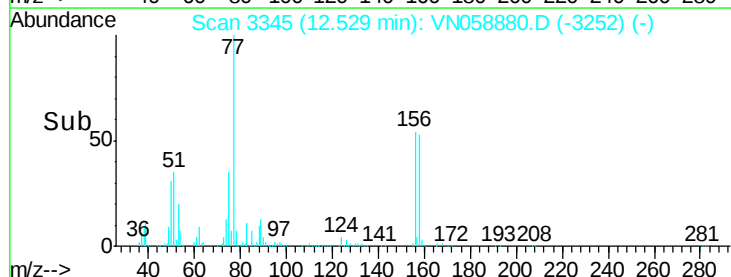
100000

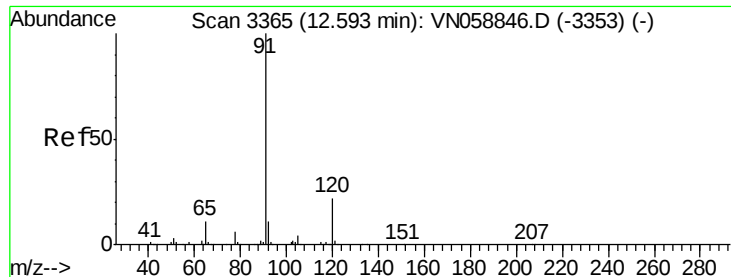
0

12.53

12.60

Time-->





#78

n-propylbenzene

Concen: 51.928 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

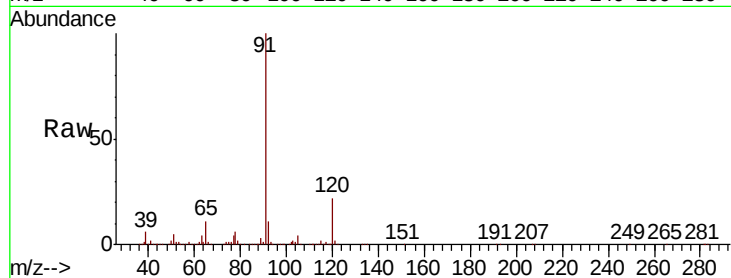
Tot Ion: 91 Resp: 1433912

Ion Ratio Lower Upper

91 100

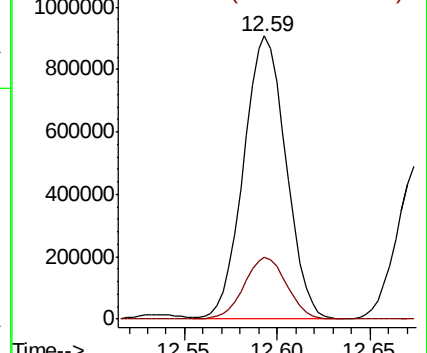
120 22.0 11.1 33.1

Manual Integrations
APPROVED



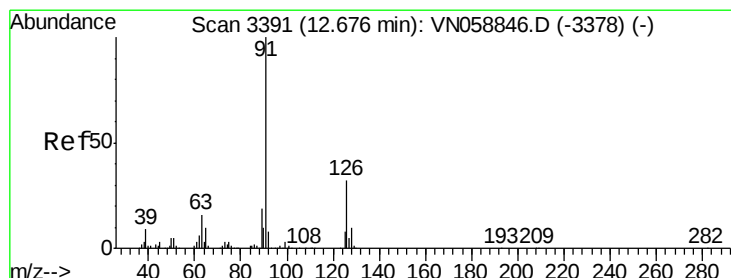
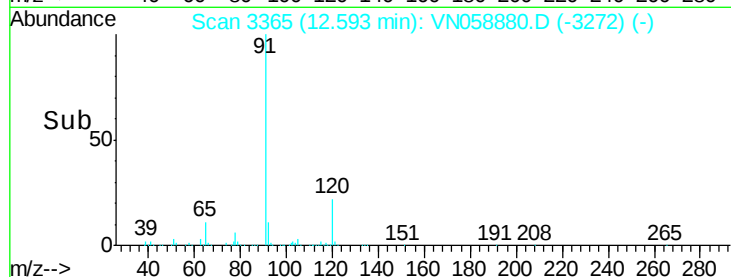
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



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#79

2-Chlorotoluene

Concen: 49.892 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058880.D

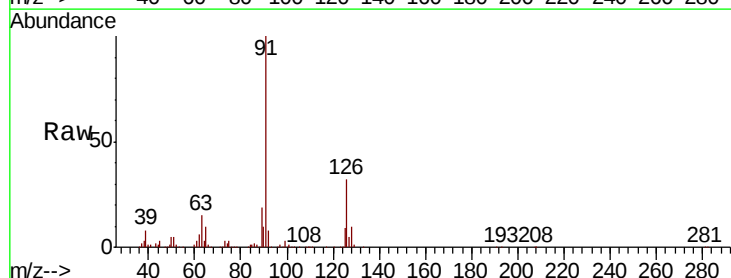
Acq: 21 Oct 2019 12:11

Tgt Ion: 91 Resp: 843193

Ion Ratio Lower Upper

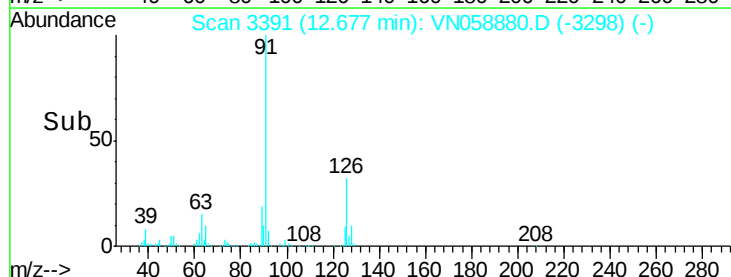
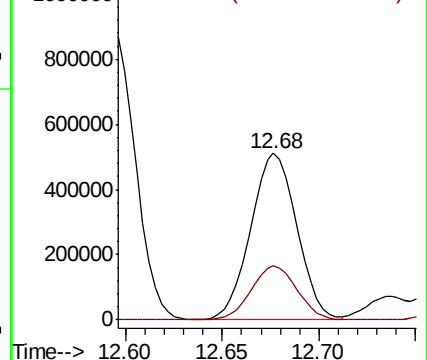
91 100

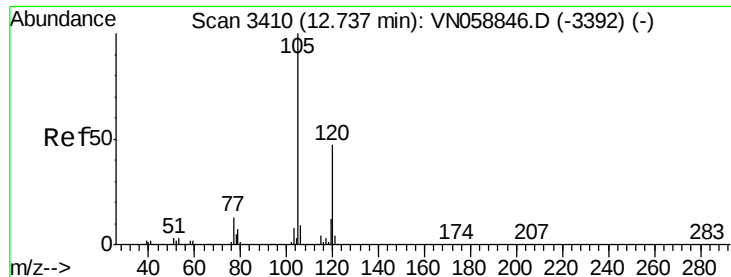
126 32.5 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



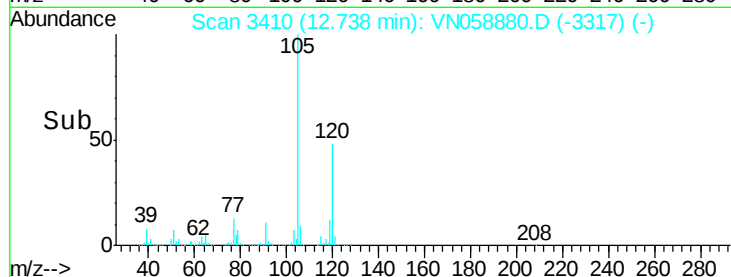
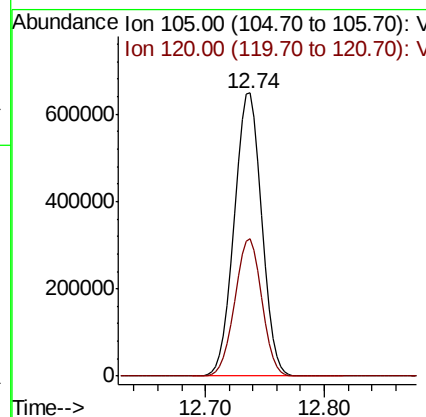
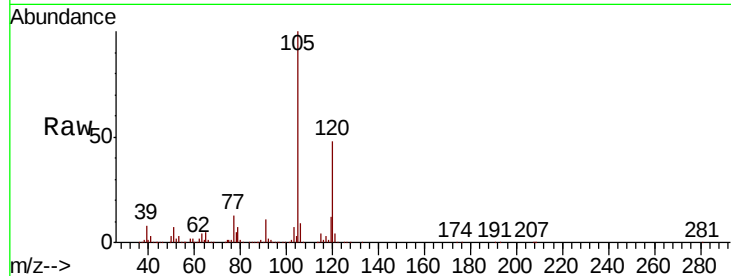


#80
 1,3,5-Trimethylbenzene
 Concen: 52.817 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

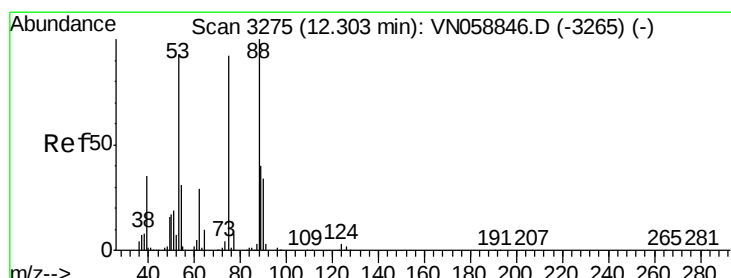
Tot Ion:105 Resp: 1036649
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.8 71.5

Manual Integrations
 APPROVED



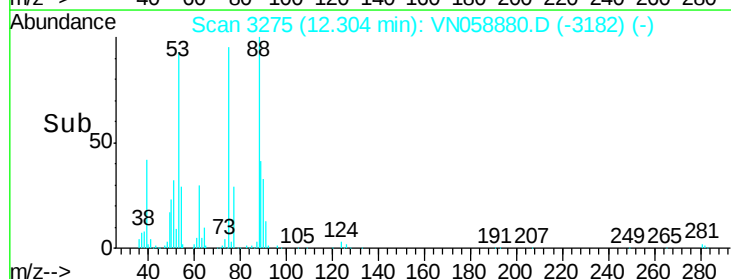
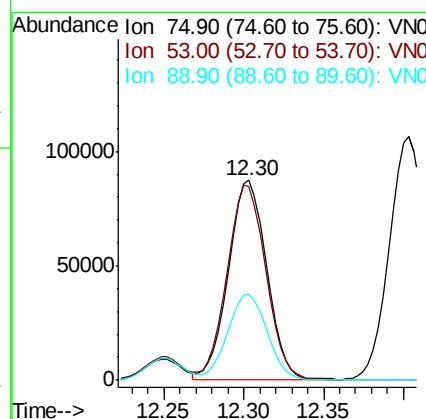
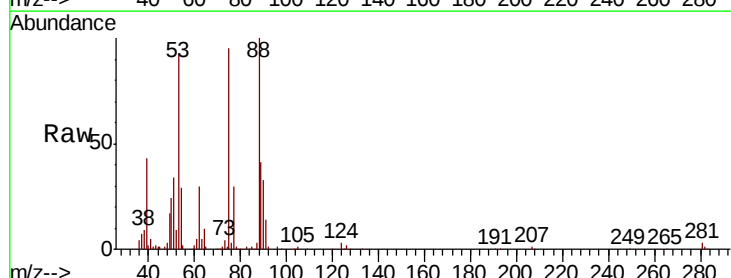
MMDadoda

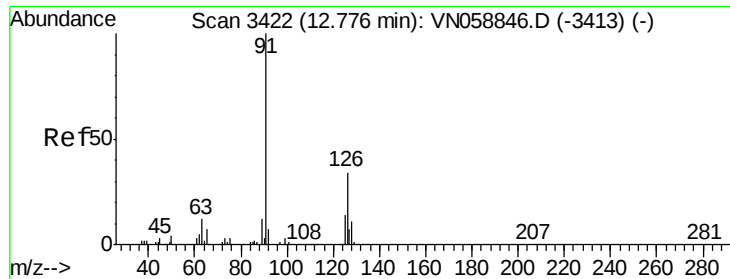
10/22/2019 4:55:19 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.786 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion: 75 Resp: 141581
 Ion Ratio Lower Upper
 75 100
 53 99.9 78.6 118.0
 89 45.0 35.4 53.0



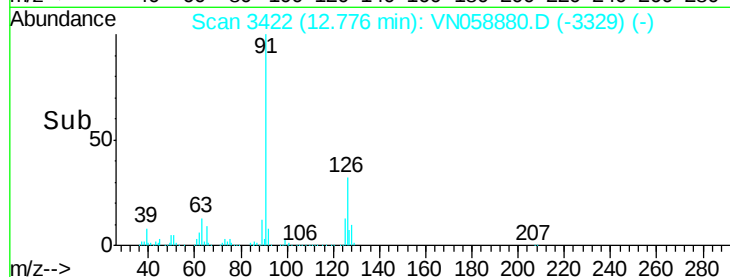
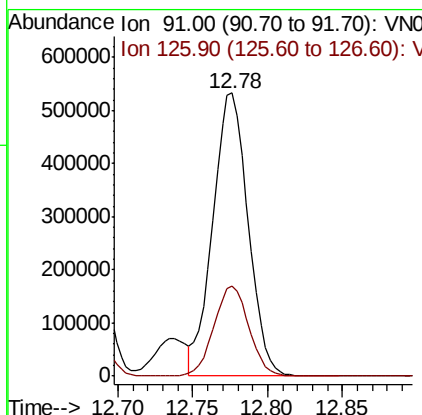
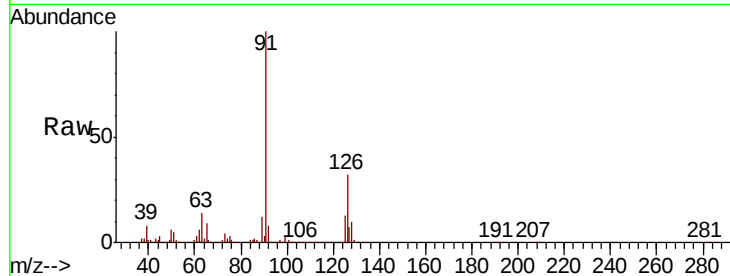


#82
4-Chlorotoluene
Concen: 50.561 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

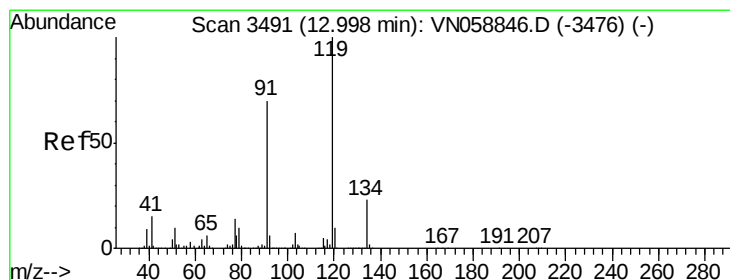
Tot Ion: 91 Resp: 873233
Ion Ratio Lower Upper
91 100
126 31.6 16.0 47.9

Manual Integrations
APPROVED



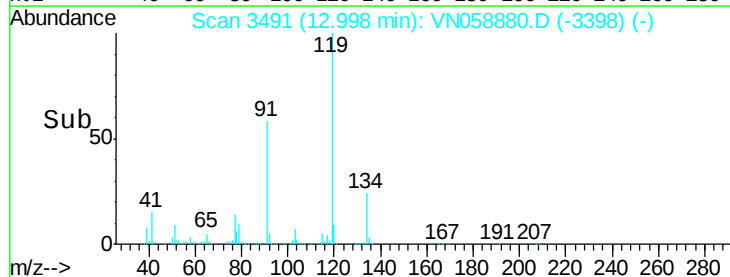
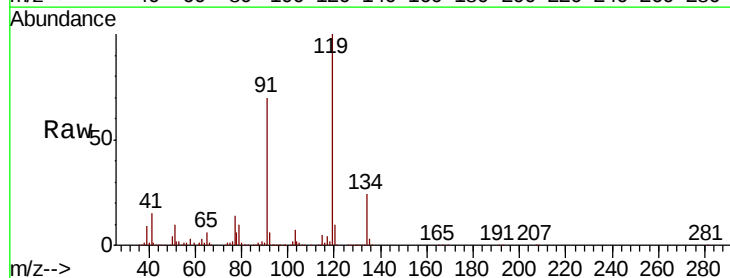
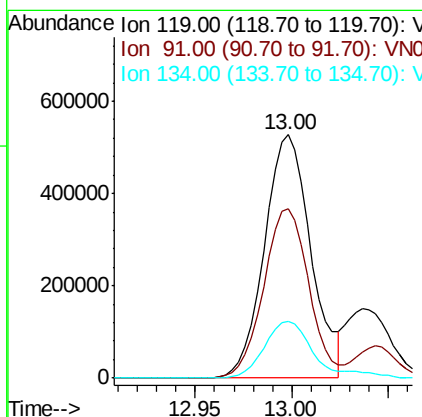
MMDadoda

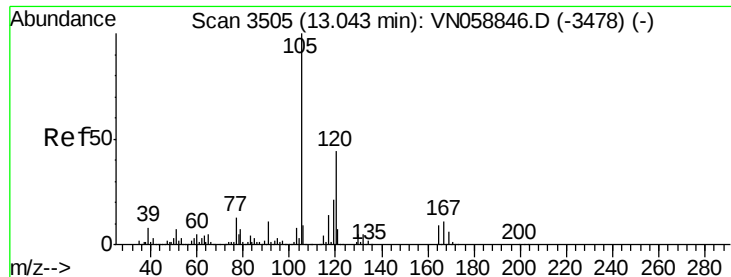
10/22/2019 4:55:19 PM



#83
tert-Butylbenzene
Concen: 52.394 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion: 119 Resp: 879378
Ion Ratio Lower Upper
119 100
91 67.4 34.1 102.3
134 25.2 11.6 34.8



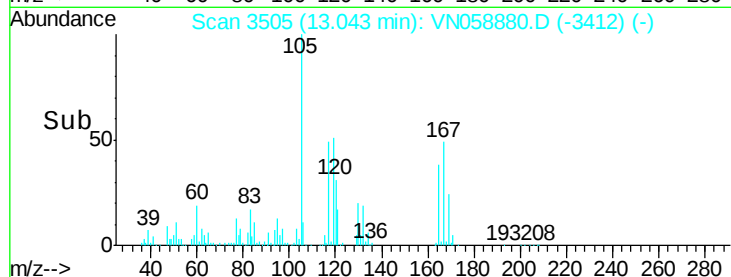
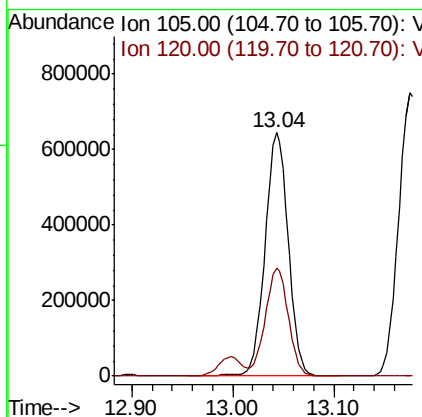
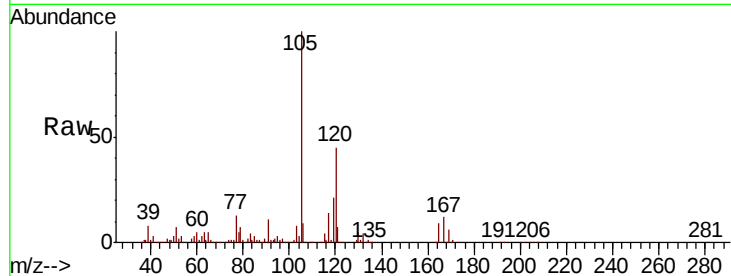


#84
1,2,4-Trimethylbenzene
Concen: 53.356 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

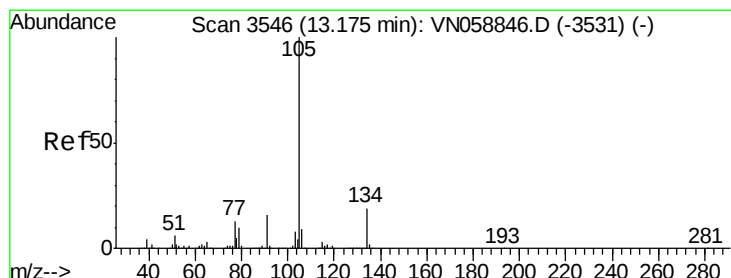
Tot Ion:105 Resp: 1032925
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.8

Manual Integrations
APPROVED



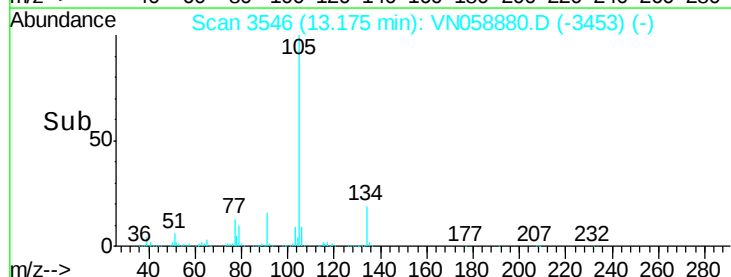
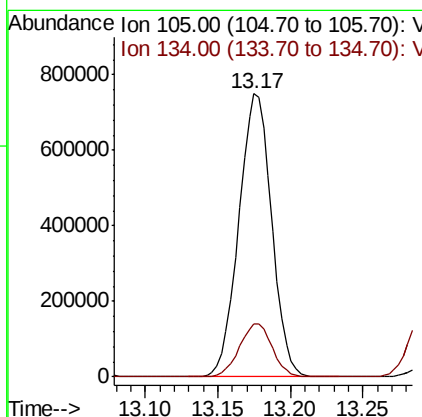
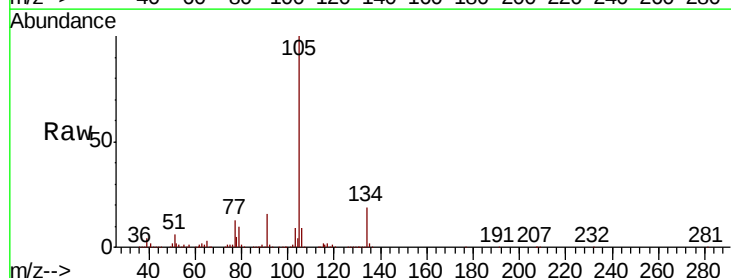
MMDadoda

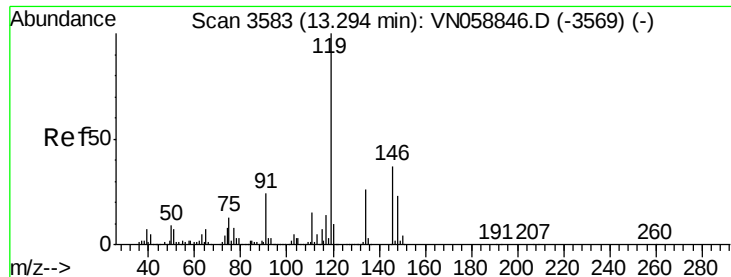
10/22/2019 4:55:19 PM



#85
sec-Butylbenzene
Concen: 52.642 ug/l
RT: 13.17 min Scan# 3546
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion:105 Resp: 1177965
Ion Ratio Lower Upper
105 100
134 18.9 9.4 28.2



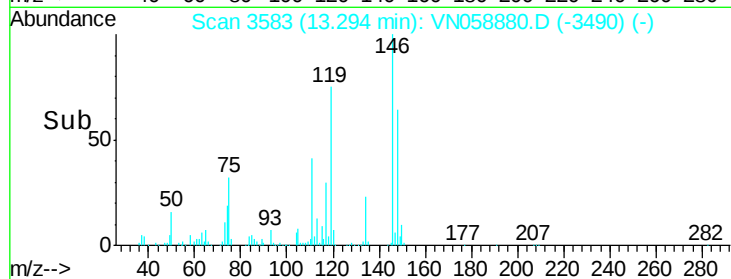
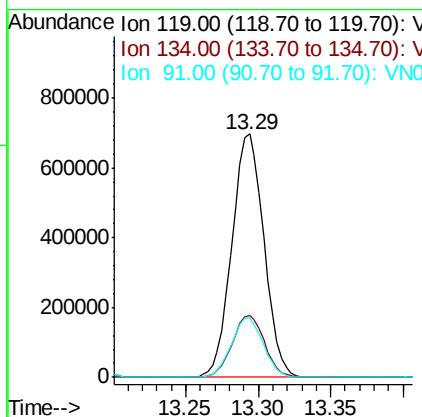
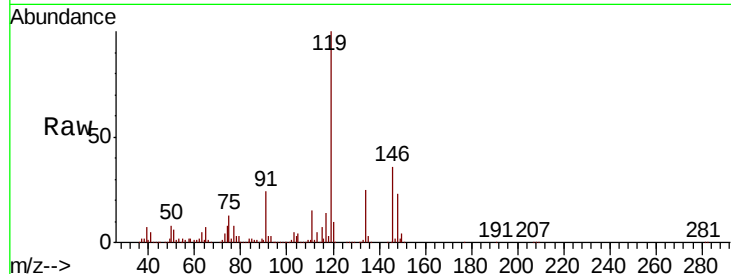


#86
 p-Isopropyltoluene
 Concen: 54.080 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

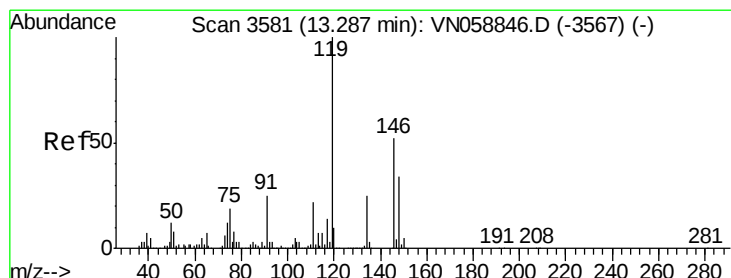
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	24.5	12.2	36.4

Manual Integrations
 APPROVED



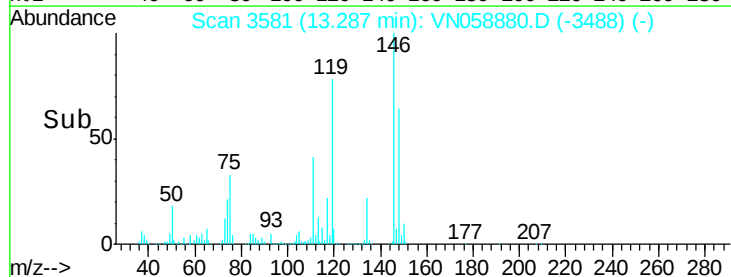
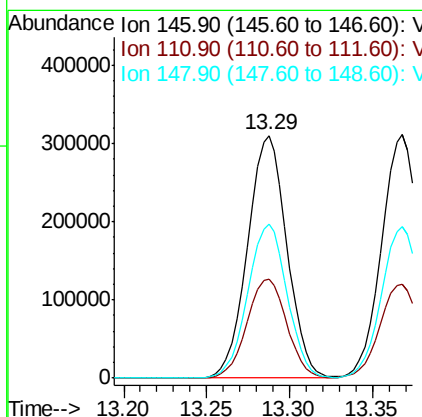
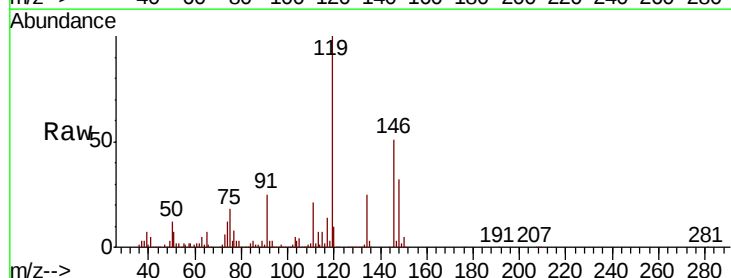
MMDadoda

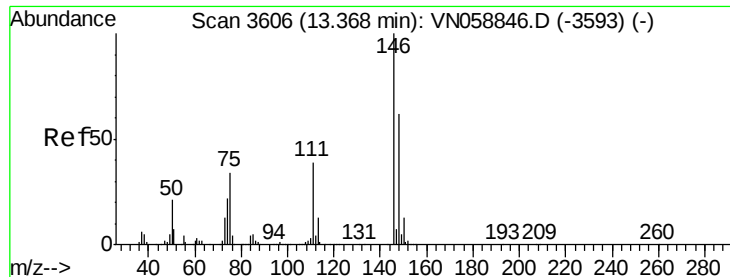
10/22/2019 4:55:19 PM



#87
 1,3-Dichlorobenzene
 Concen: 49.561 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	63.6	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 48.672 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

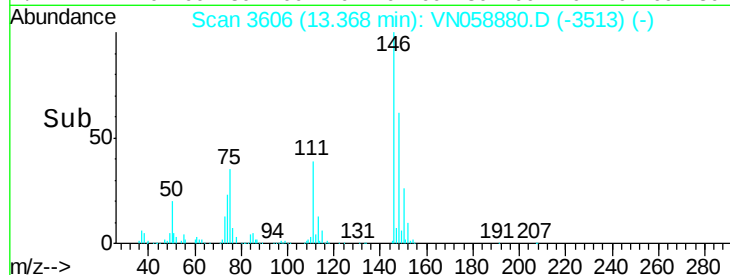
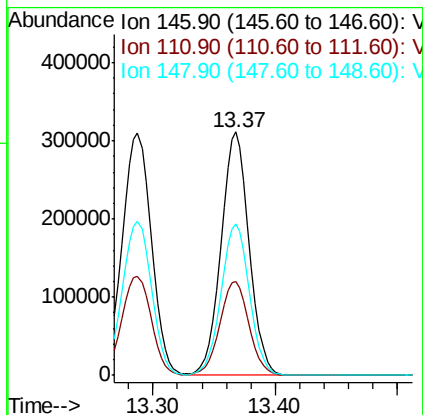
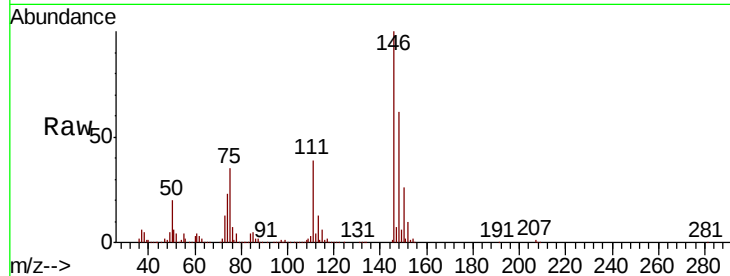
MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

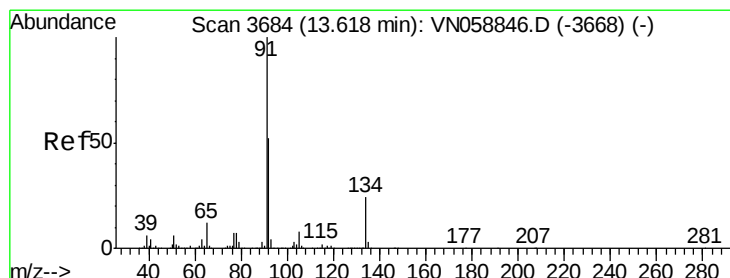
Tot Ion:	146	Resp:	501706
Ion Ratio		Lower	Upper
146	100		
111	40.1	20.2	60.6
148	63.2	31.6	94.7

Manual Integrations
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10/22/2019 4:55:19 PM



#89

n-Butylbenzene

Concen: 51.594 ug/l

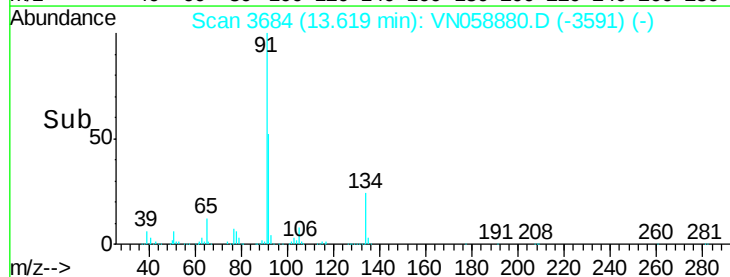
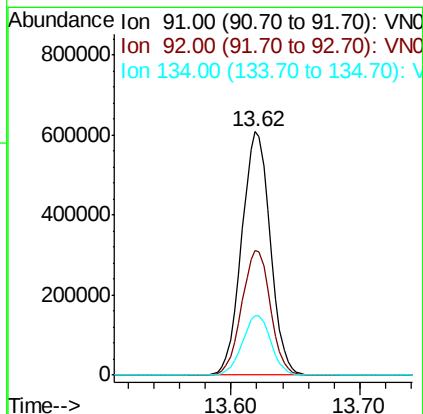
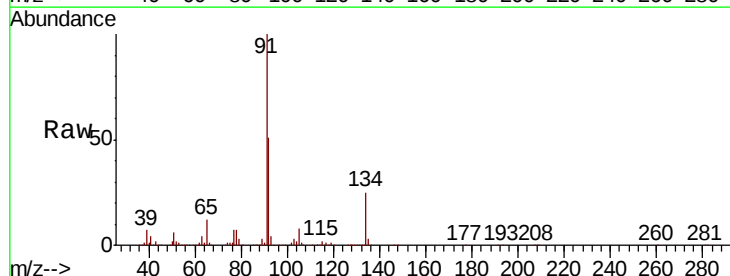
RT: 13.62 min Scan# 3684

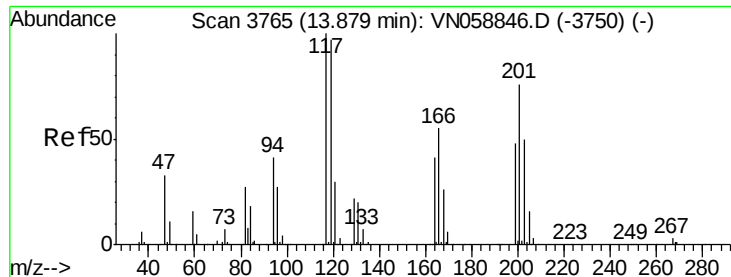
Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Tgt Ion:	91	Resp:	935794
Ion Ratio		Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.4	11.9	35.5



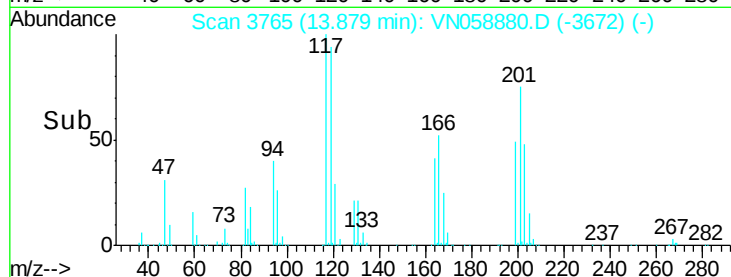
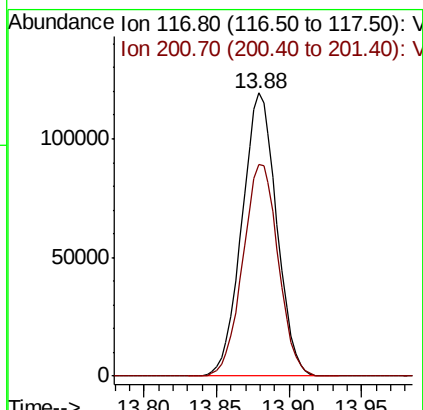
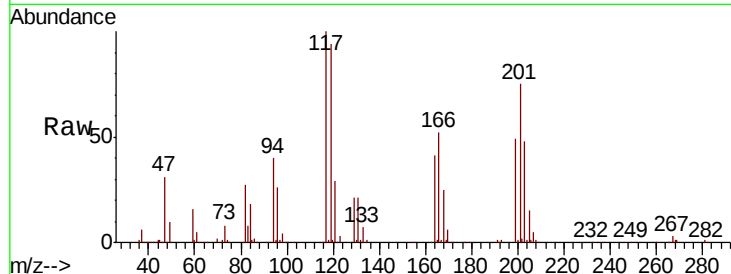


#90
Hexachloroethane
Concen: 49.661 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMS

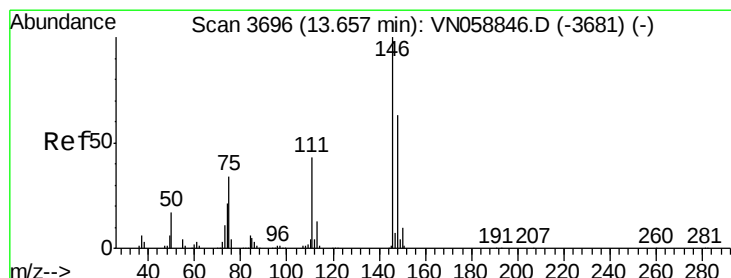
Tot Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.9	116.6

Manual Integrations
APPROVED



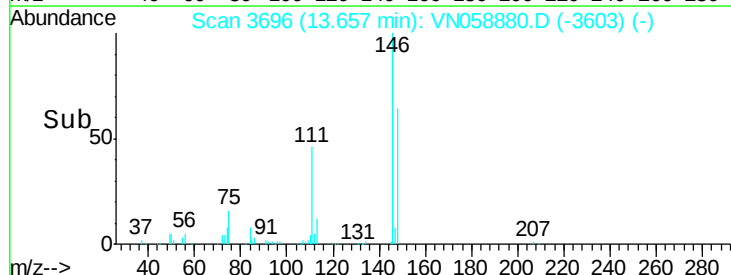
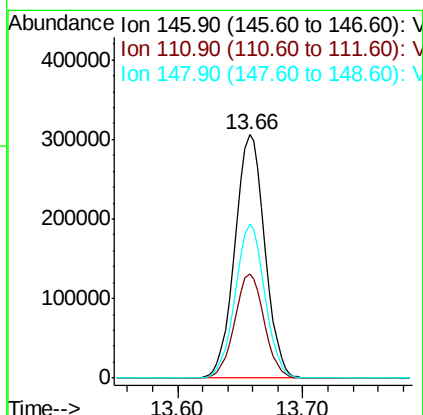
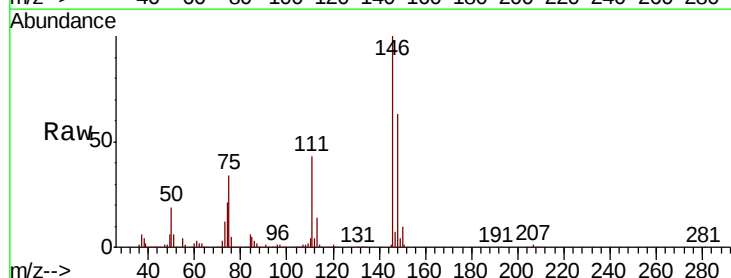
MMDadoda

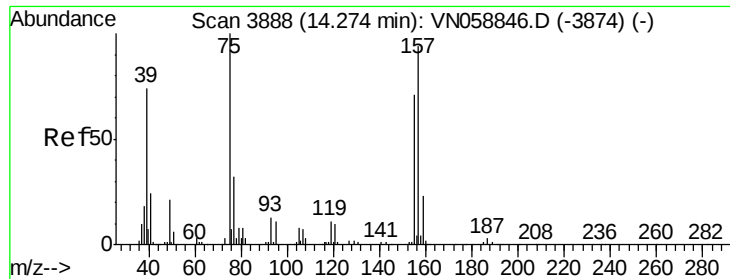
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#91
1,2-Dichlorobenzene
Concen: 50.094 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN058880.D
Acq: 21 Oct 2019 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.8
148	62.6	31.9	95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 45.380 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

Tot Ion: 75 Resp: 84310

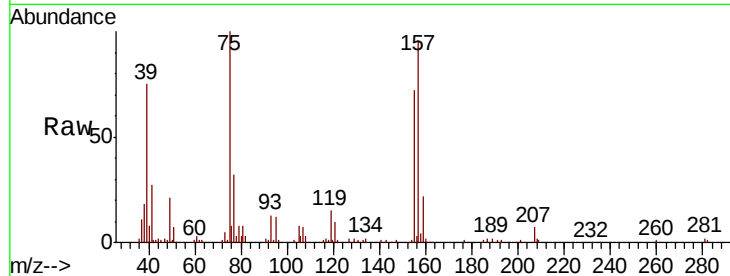
Ion Ratio Lower Upper

75 100

155 73.6 35.6 106.8

157 97.1 47.4 142.2

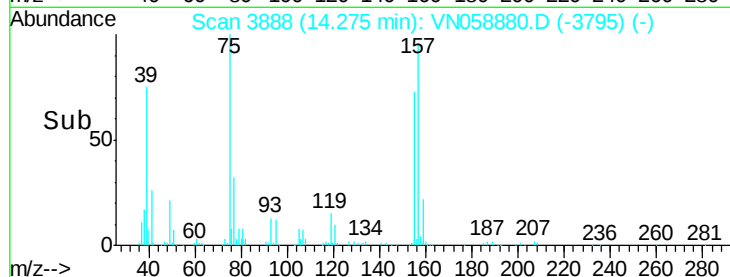
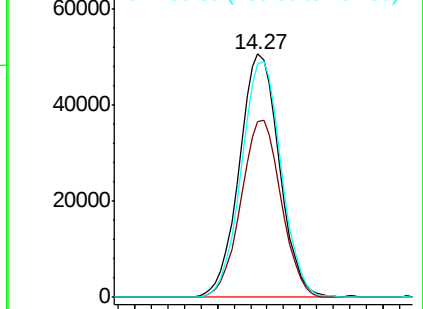
Manual Integrations
APPROVED



Abundance Ion 74.90 (74.60 to 75.60): VN058880.D (-3795) (-)

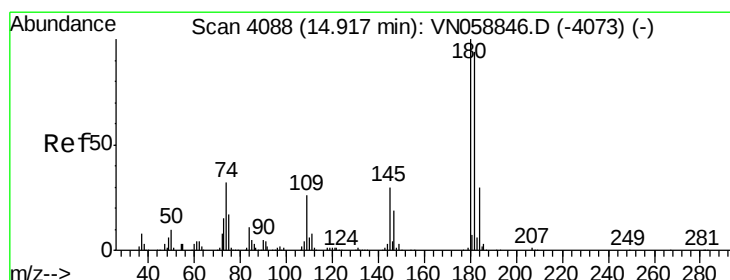
Ion 154.80 (154.50 to 155.50): VN058880.D (-3795) (-)

Ion 156.80 (156.50 to 157.50): VN058880.D (-3795) (-)



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#93

1,2,4-Trichlorobenzene

Concen: 44.189 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

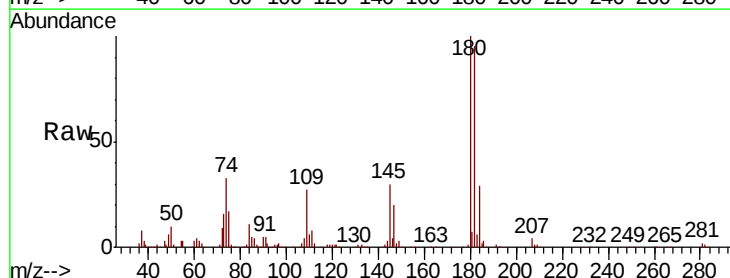
Tgt Ion: 180 Resp: 279535

Ion Ratio Lower Upper

180 100

182 94.2 47.3 142.0

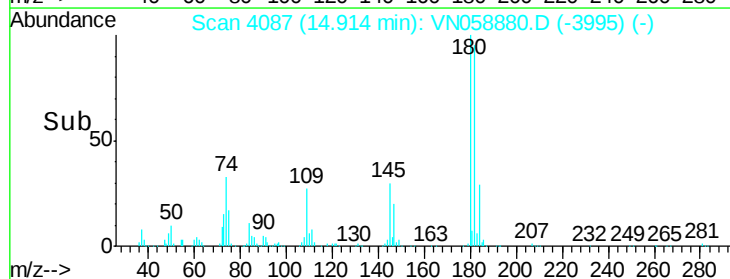
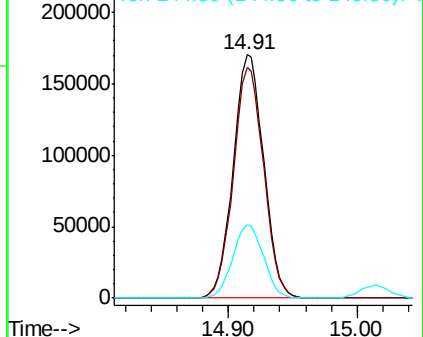
145 30.4 15.3 45.8

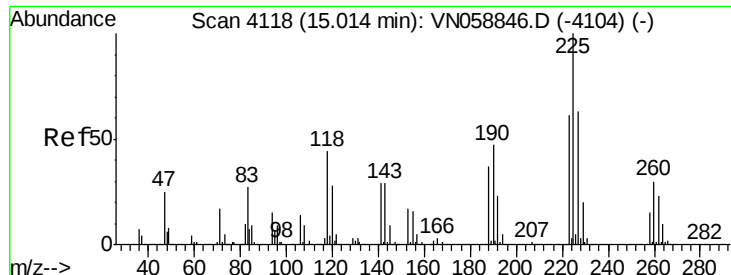


Abundance Ion 179.80 (179.50 to 180.50): VN058880.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058880.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058880.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 46.314 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Instrument :

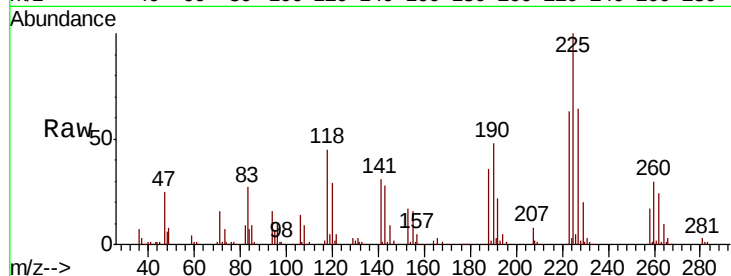
MSVOA_N

ClientSampleId :

FA19-JBW7326BMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
225	100		151905		
223	61.9		30.9	92.5	
227	63.3		31.6	94.7	

Manual Integrations
APPROVED

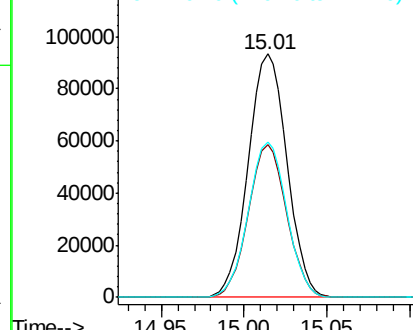


Abundance

Ion 224.70 (224.40 to 225.40): V

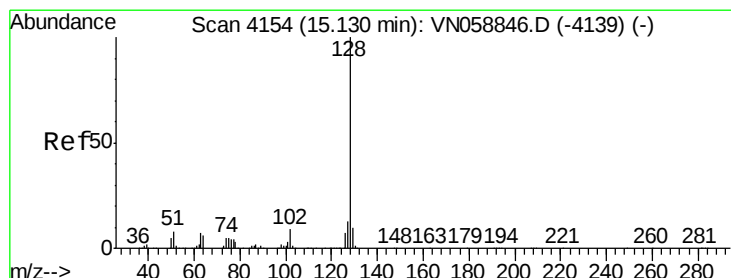
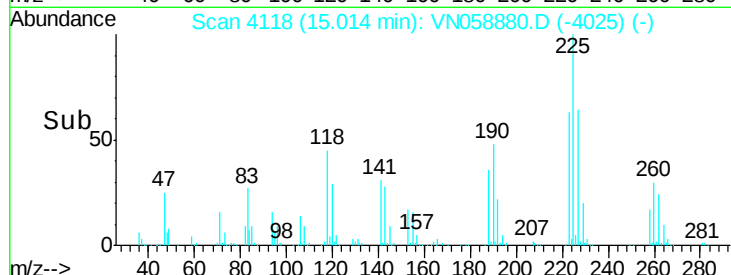
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



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#95

Naphthalene

Concen: 43.136 ug/l

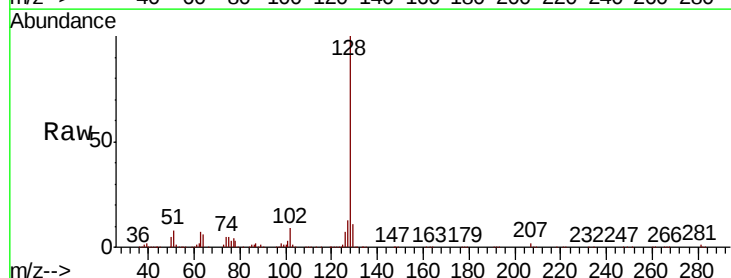
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058880.D

Acq: 21 Oct 2019 12:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		783936		
127	12.8		10.2	15.2	
129	10.8		8.4	12.6	

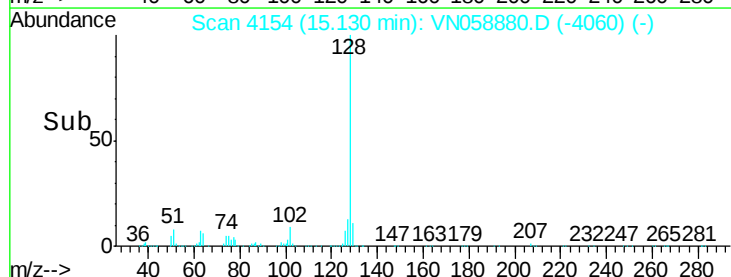
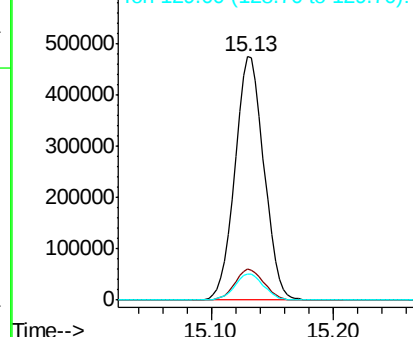


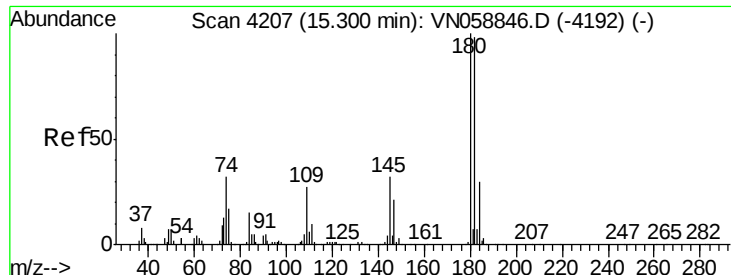
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



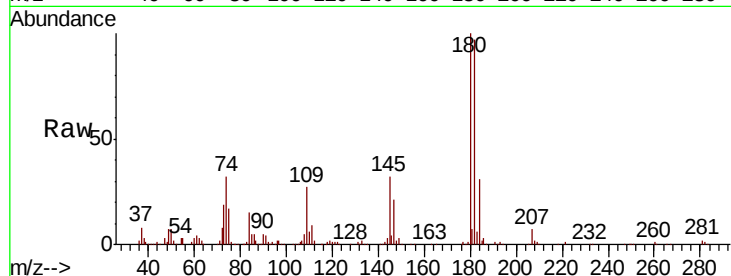


#96
 1,2,3-Trichlorobenzene
 Concen: 43.386 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058880.D
 Acq: 21 Oct 2019 12:11

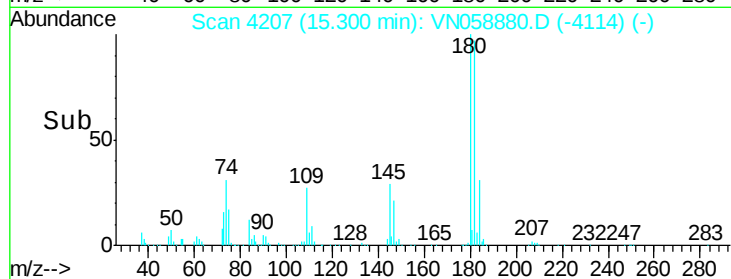
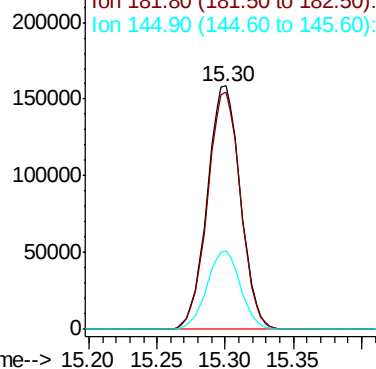
Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMS

Tot Ion:	180	Resp:	267005
Ion Ratio	Lower	Upper	
180	100		
182	97.3	47.9	143.7
145	32.8	15.9	47.7

Manual Integrations
 APPROVED



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



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