

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058883.D
 Acq On : 21 Oct 2019 13:17
 Operator : JC/SP
 Sample : K5452-09MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:33 PM

Quant Time: Oct 22 04:17:14 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	451360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	732168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	323791	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.57	113	236330	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.08	98	913322	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	335680	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	264059	46.923	ug/l	97
3) Chloromethane	2.04	50	331884	47.617	ug/l	100
4) Vinyl Chloride	2.17	62	343018	49.567	ug/l	99
5) Bromomethane	2.54	94	208189	48.041	ug/l	98
6) Chloroethane	2.68	64	209440	47.194	ug/l	97
7) Trichlorofluoromethane	3.00	101	408620	47.721	ug/l	99
8) Diethyl Ether	3.39	74	150221	50.767	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	216934	45.699	ug/l	99
10) Methyl Iodide	3.93	142	308748	49.452	ug/l	100
11) Tert butyl alcohol	4.76	59	260961	237.552	ug/l	100
12) 1,1-Dichloroethene	3.72	96	218265	49.053	ug/l	96
13) Acrolein	3.58	56	185383	245.600	ug/l	99
14) Allyl chloride	4.30	41	454649	50.495	ug/l	98
15) Acrylonitrile	4.96	53	703395	254.550	ug/l	99
16) Acetone	3.79	43	621335	189.943	ug/l	100
17) Carbon Disulfide	4.03	76	681155	47.523	ug/l	100
18) Methyl Acetate	4.30	43	343583	46.199	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	811528	52.086	ug/l	99
20) Methylene Chloride	4.53	84	266343	47.684	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	243545	49.562	ug/l	96
22) Diisopropyl ether	5.93	45	912122	51.792	ug/l	96
23) Vinyl Acetate	5.87	43	3903090	275.850	ug/l	100
24) 1,1-Dichloroethane	5.82	63	494857	48.459	ug/l	100
25) 2-Butanone	6.81	43	975811	229.802	ug/l	98
26) 2,2-Dichloropropane	6.80	77	420353	47.590	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	281895	50.218	ug/l	99
28) Bromochloromethane	7.18	49	164946	48.500	ug/l	98
29) Tetrahydrofuran	7.19	42	653720	251.662	ug/l	99
30) Chloroform	7.35	83	484662	47.314	ug/l	98
31) Cyclohexane	7.63	56	444245	46.697	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	423355	49.033	ug/l	99
36) 1,1-Dichloropropene	7.77	75	369364	49.276	ug/l	100
37) Ethyl Acetate	6.90	43	440787	53.967	ug/l	99
38) Carbon Tetrachloride	7.76	117	365543	47.337	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	412273	48.982	ug/l	99
40) Benzene	8.02	78	1081760	49.145	ug/l	99
41) Methacrylonitrile	7.16	41	169634m	46.632	ug/l	
42) 1,2-Dichloroethane	8.11	62	406177	47.903	ug/l	99
43) Isopropyl Acetate	8.15	43	658431	50.266	ug/l	100
44) Trichloroethene	8.82	130	261859	48.837	ug/l	99
45) 1,2-Dichloropropane	9.11	63	296656	49.149	ug/l	99
46) Dibromomethane	9.20	93	185858	48.708	ug/l	98
47) Bromodichloromethane	9.39	83	389125	49.479	ug/l	100
48) Methyl methacrylate	9.19	41	305980	51.485	ug/l	99
49) 1,4-Dioxane	9.19	88	91244	935.258	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2039065	266.506	ug/l	99
52) Toluene	10.15	92	660232	50.580	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	440982	50.652	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	458557	49.300	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	260828	48.505	ug/l	99
56) Ethyl methacrylate	10.43	69	420914	46.742	ug/l	99
57) 1,3-Dichloropropane	10.70	76	463051	49.064	ug/l	99
59) 2-Hexanone	10.75	43	1531521	259.042	ug/l	99
60) Dibromochloromethane	10.90	129	290717	50.228	ug/l	99
61) 1,2-Dibromoethane	11.00	107	272413	49.503	ug/l	99
64) Tetrachloroethene	10.63	164	229082	48.252	ug/l	99
65) Chlorobenzene	11.43	112	686130	49.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	264297	50.748	ug/l	98
67) Ethyl Benzene	11.51	91	1278117	52.792	ug/l	98
68) m/p-Xylenes	11.62	106	938281	104.504	ug/l	100
69) o-Xylene	11.95	106	447933	52.310	ug/l	100
70) Stvrene	11.96	104	753206	47.733	ug/l	99
71) Bromoform	12.13	173	206653	51.170	ug/l #	98
73) Isopropylbenzene	12.25	105	1225957	53.062	ug/l	100
74) N-amyl acetate	12.07	43	581785	55.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	402652	49.563	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	353052m	48.185	ug/l	
77) Bromobenzene	12.53	156	288169	50.602	ug/l	98
78) n-propylbenzene	12.59	91	1442646	52.824	ug/l	99
79) 2-Chlorotoluene	12.68	91	852477	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1044375	53.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	146476	52.079	ug/l	99
82) 4-Chlorotoluene	12.78	91	879285	51.476	ug/l	100
83) tert-Butylbenzene	13.00	119	886968	53.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1038740	54.251	ug/l	99
85) sec-Butylbenzene	13.17	105	1181093	53.367	ug/l	99
86) p-Isopropyltoluene	13.29	119	1065144	54.545	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	516207	50.694	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	506500	49.682	ug/l	98
89) n-Butylbenzene	13.62	91	939843	52.392	ug/l	99
90) Hexachloroethane	13.88	117	197129	49.818	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	513522	51.309	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86879	47.282	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	290411	46.290	ug/l	99

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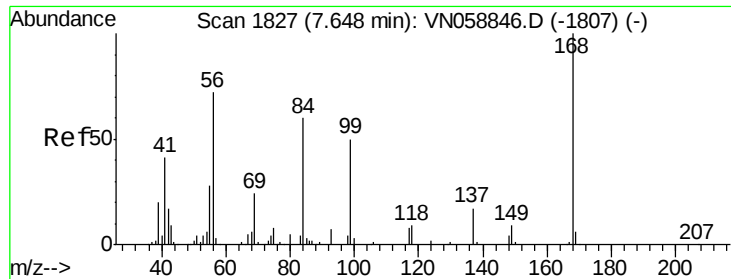
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	151812	46.799	ug/l	100
95) Naphthalene	15.13	128	848039	46.972	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	281971	46.164	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion:168 Resp: 451360

Ion Ratio Lower Upper

168 100

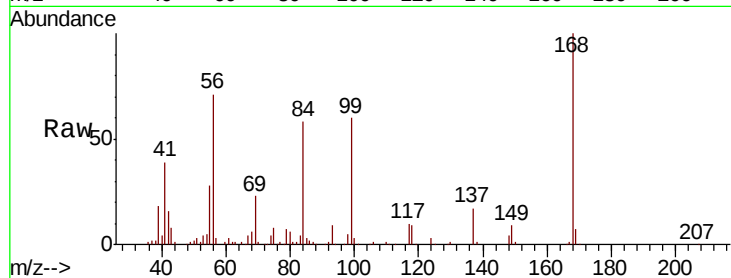
99 60.3 48.1 72.1

Manual Integrations

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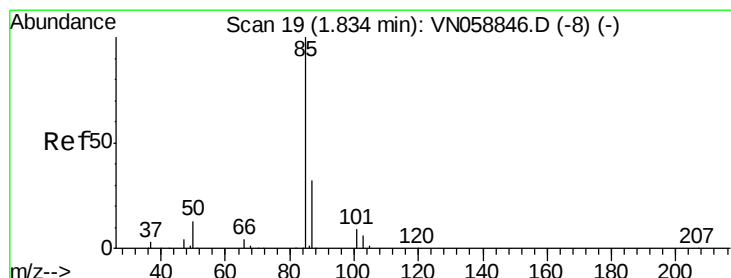
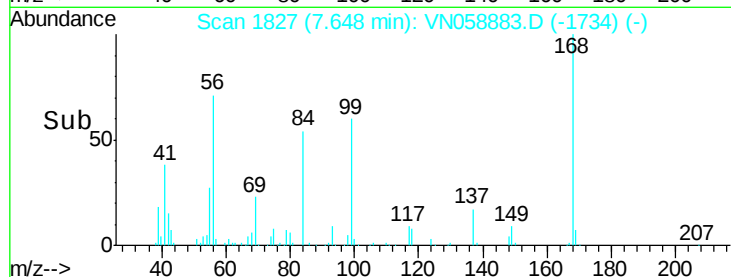
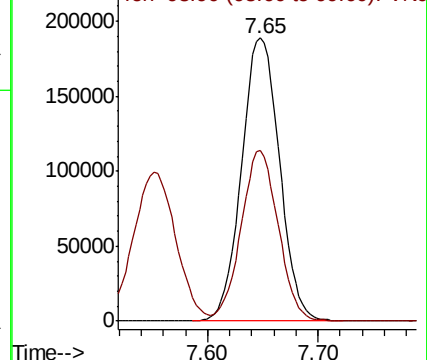
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.923 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058883.D

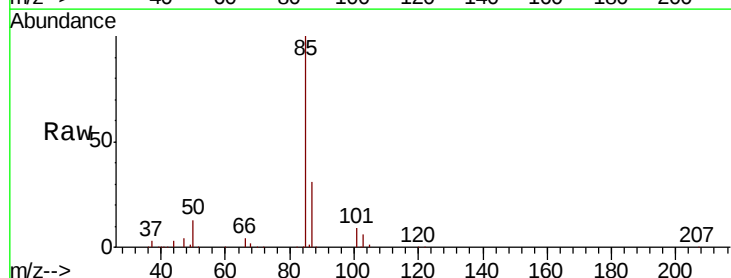
Acq: 21 Oct 2019 13:17

Tgt Ion: 85 Resp: 264059

Ion Ratio Lower Upper

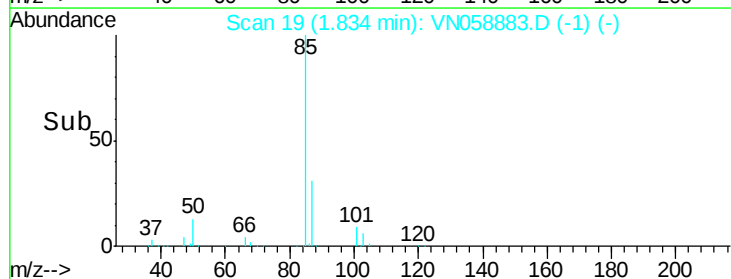
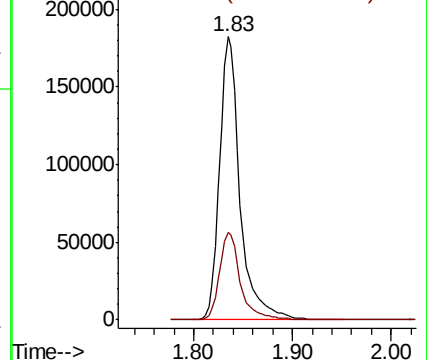
85 100

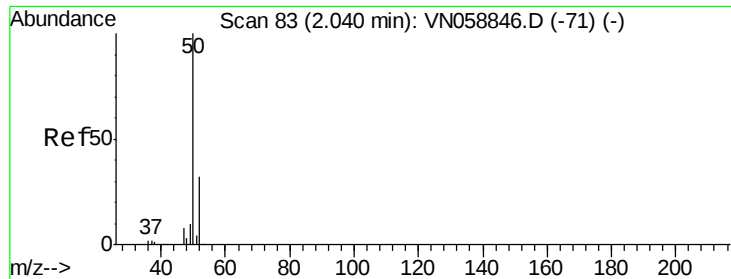
87 30.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.617 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 331884

Ion Ratio Lower Upper

50 100

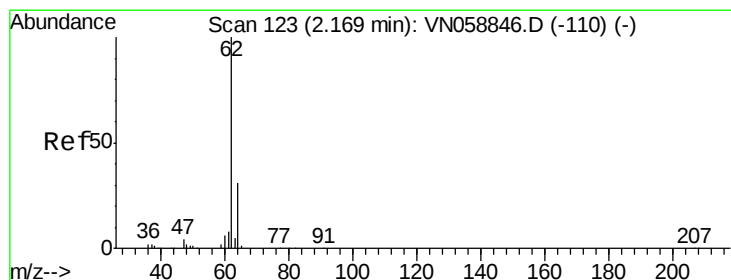
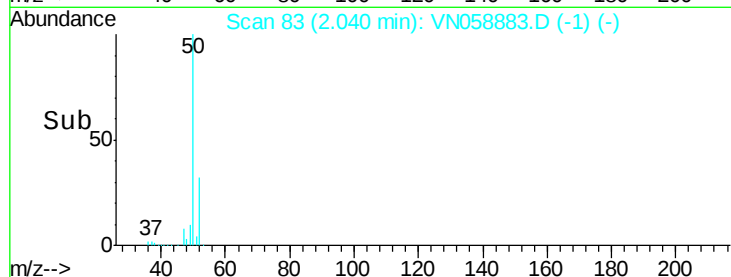
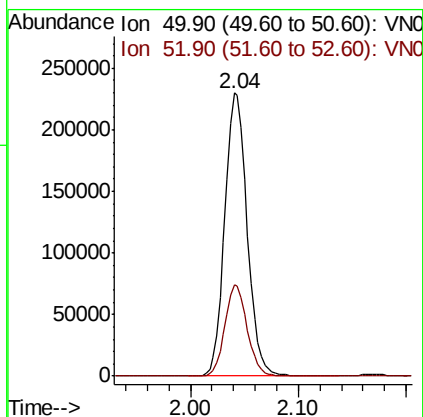
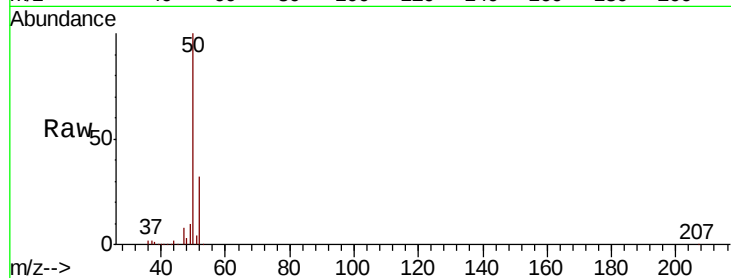
52 32.2 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.567 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058883.D

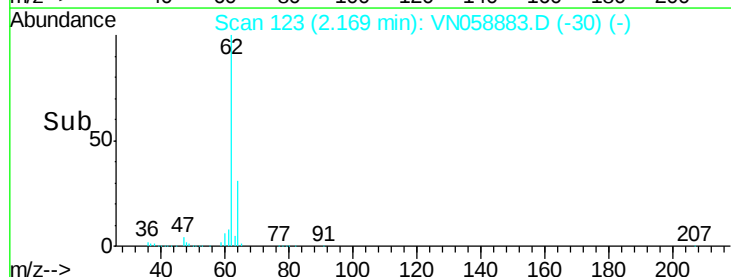
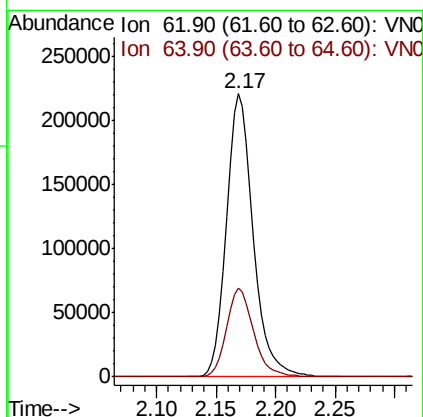
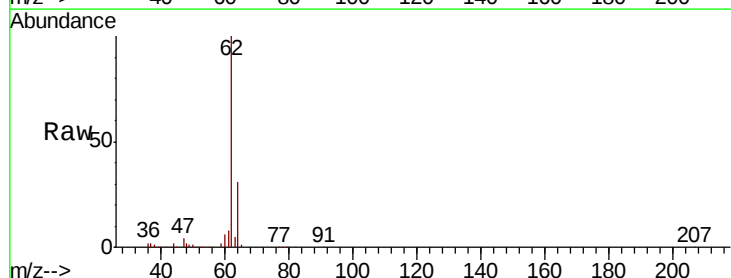
Acq: 21 Oct 2019 13:17

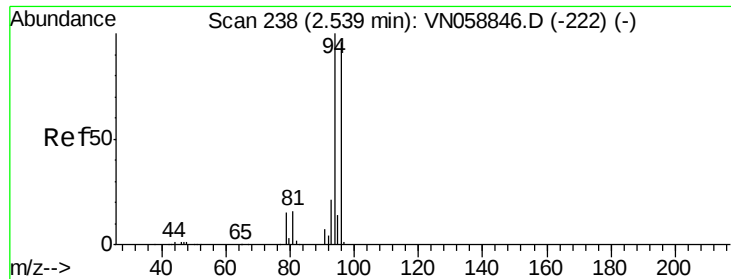
Tgt Ion: 62 Resp: 343018

Ion Ratio Lower Upper

62 100

64 31.3 24.6 36.8





#5

Bromomethane

Concen: 48.041 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

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ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 94 Resp: 208189

Ion Ratio Lower Upper

94 100

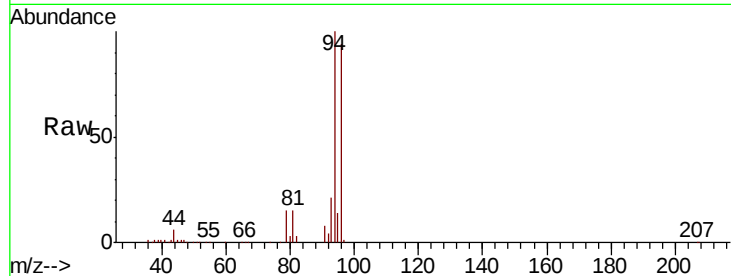
96 93.9 77.0 115.6

Manual Integrations

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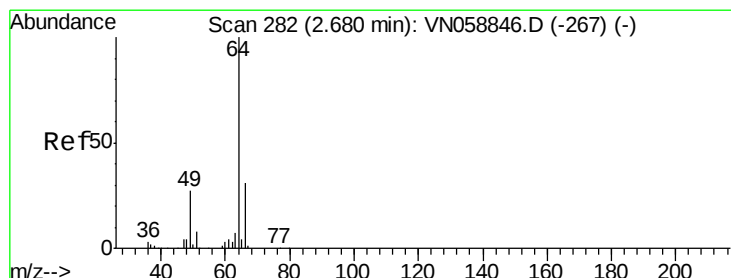
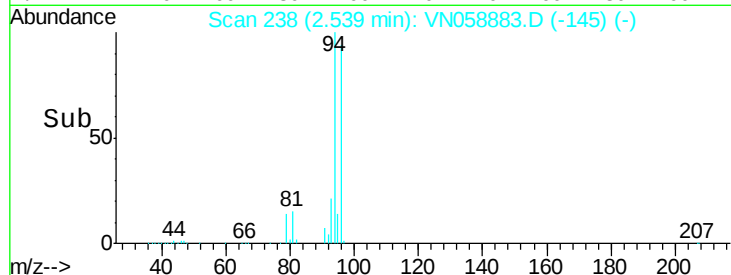
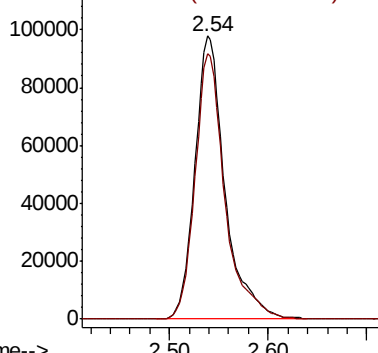
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.194 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058883.D

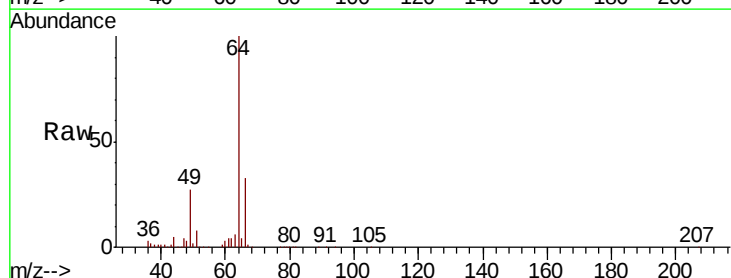
Acq: 21 Oct 2019 13:17

Tgt Ion: 64 Resp: 209440

Ion Ratio Lower Upper

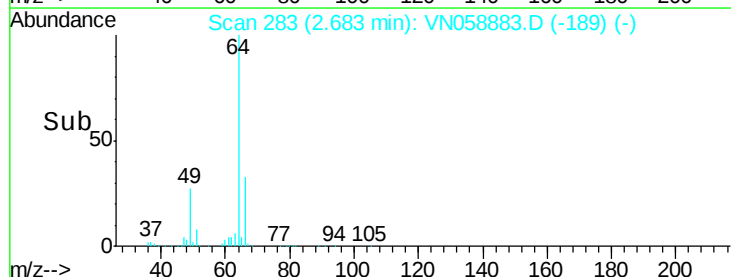
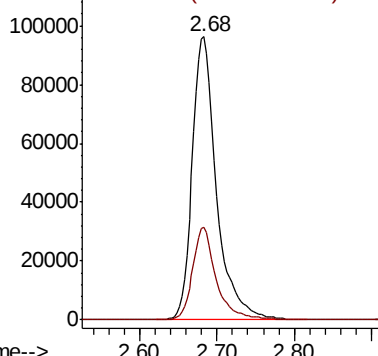
64 100

66 32.9 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

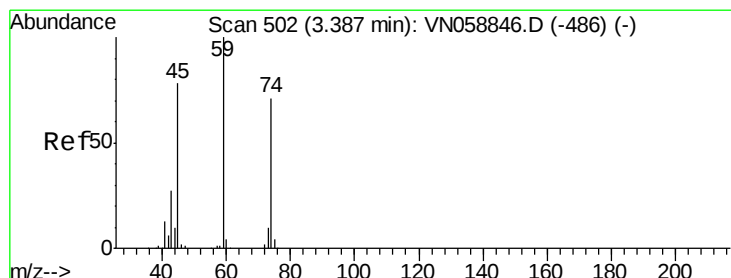
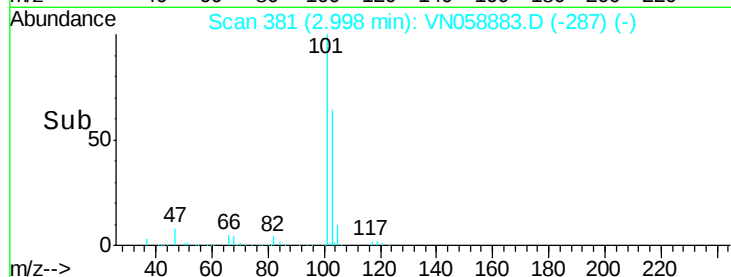
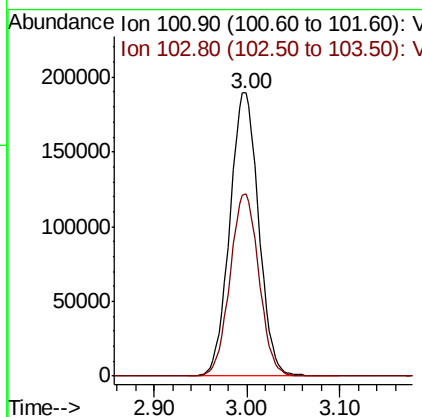
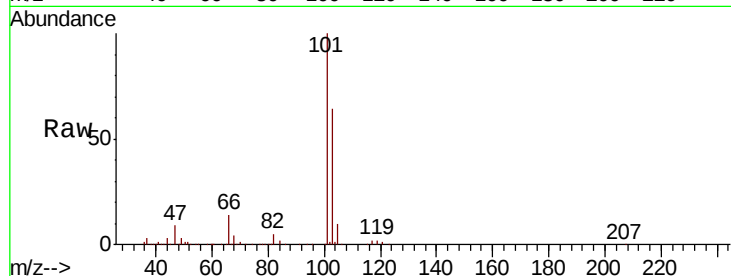
Trichlorofluoromethane
Concen: 47.721 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

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FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2

Manual Integrations
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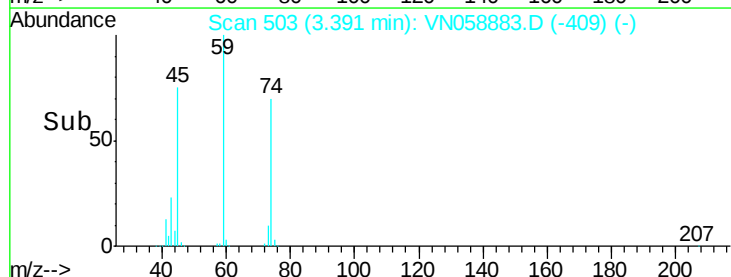
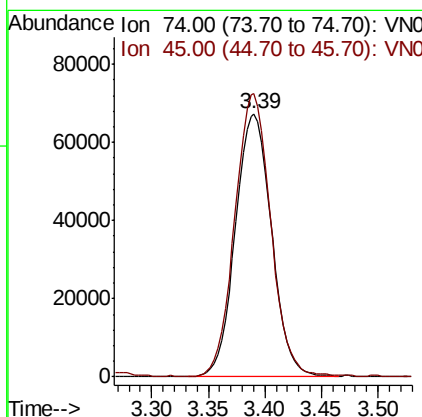
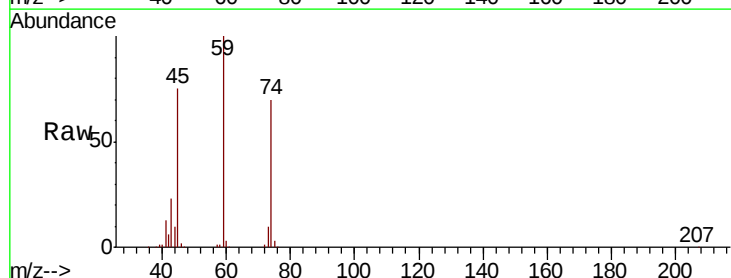
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10/22/2019 4:55:33 PM

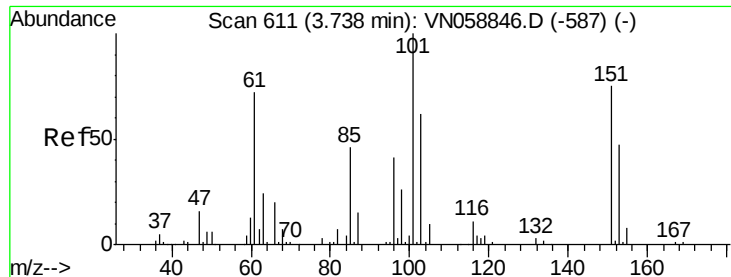


#8

Diethyl Ether
Concen: 50.767 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.5	54.9	164.5





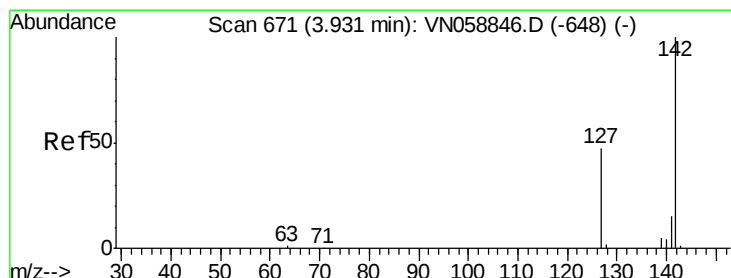
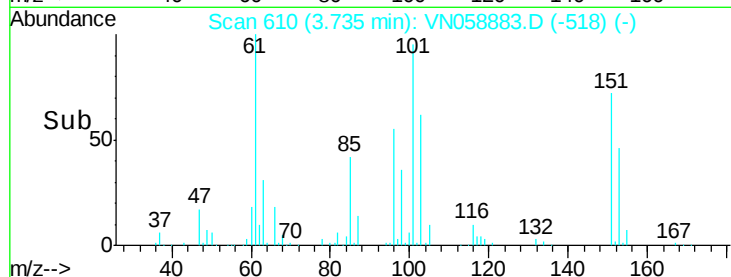
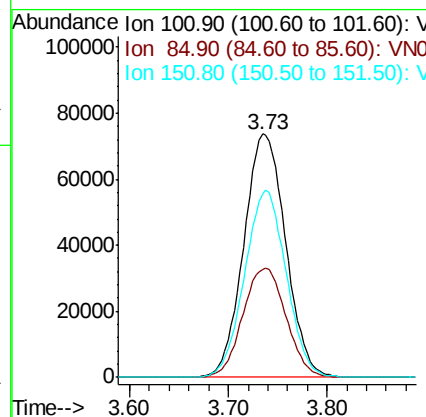
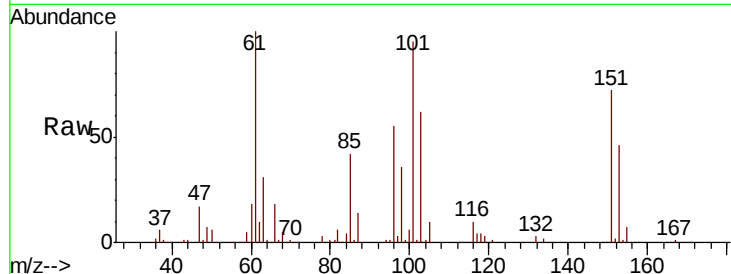
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.699 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	216934		
85	46.3	37.2	55.8	
151	76.3	59.9	89.9	

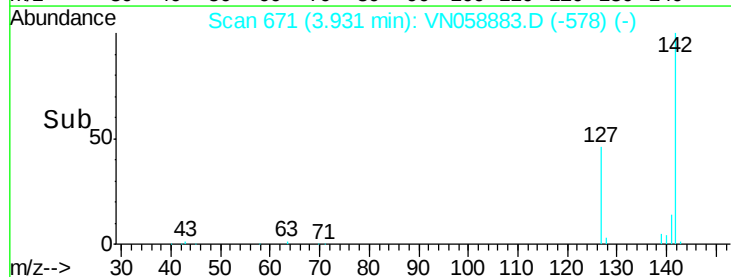
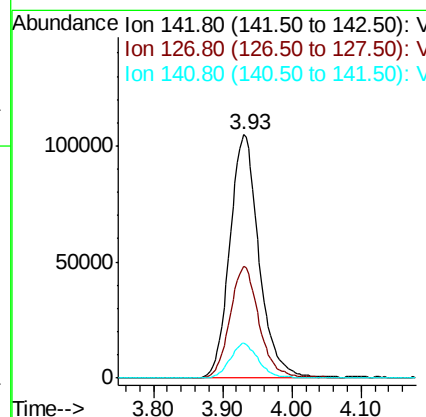
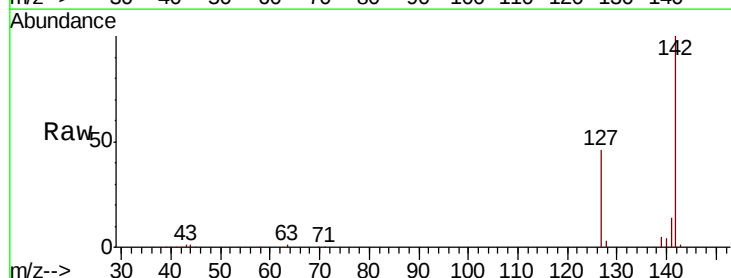
Manual Integrations
APPROVED

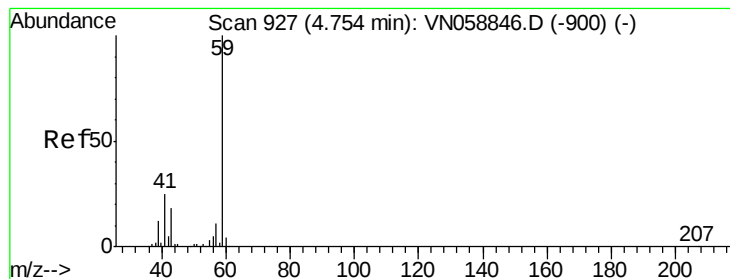
MMDadoda
10/22/2019 4:55:33 PM



#10
Methyl Iodide
Concen: 49.452 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	308748		
127	45.7	36.6	54.8	
141	14.0	11.4	17.2	





#11

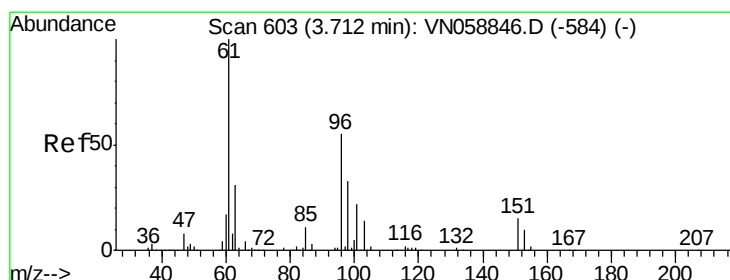
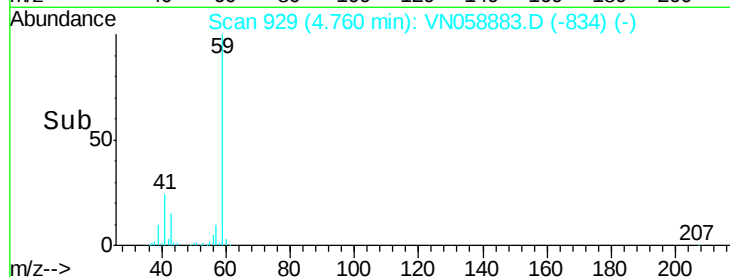
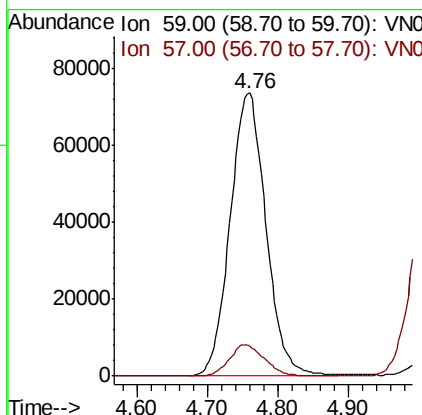
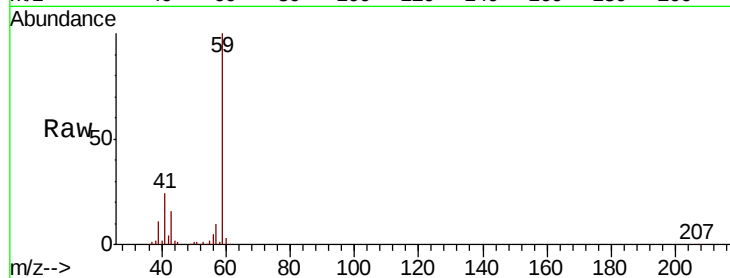
Tert butyl alcohol
Concen: 237.552 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	260961		
57	10.8		8.6	12.8

Manual Integrations
APPROVED

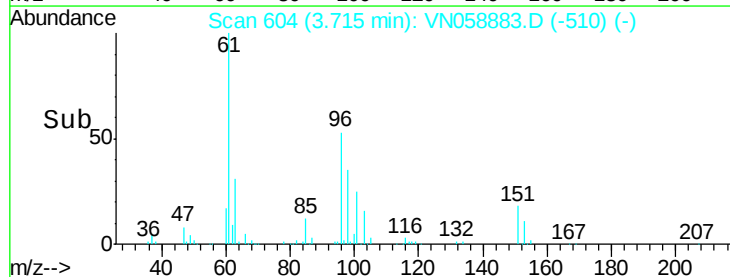
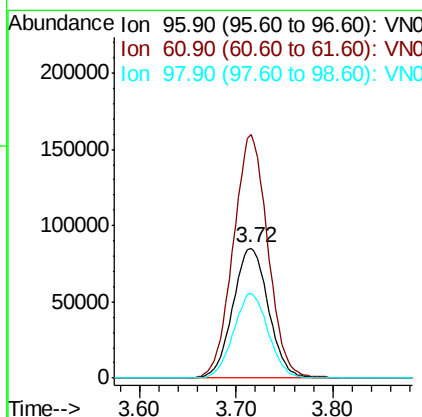
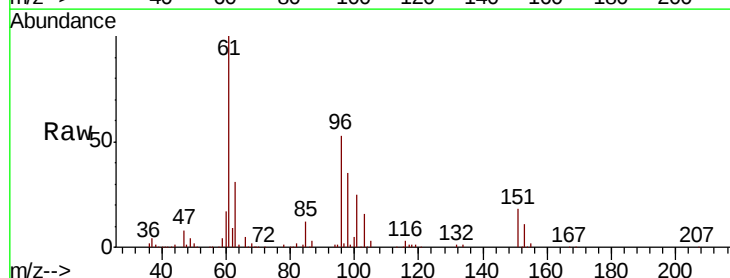
MMDadoda
10/22/2019 4:55:33 PM

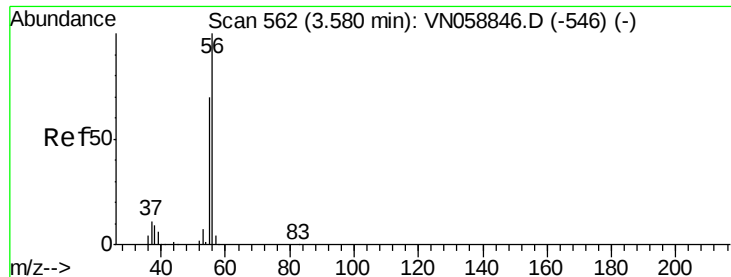


#12

1,1-Dichloroethene
Concen: 49.053 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	218265		
61	187.1		146.2	219.2
98	65.2		48.7	73.1





#13

Acrolein

Concen: 245.600 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 56 Resp: 185383

Ion Ratio Lower Upper

56 100

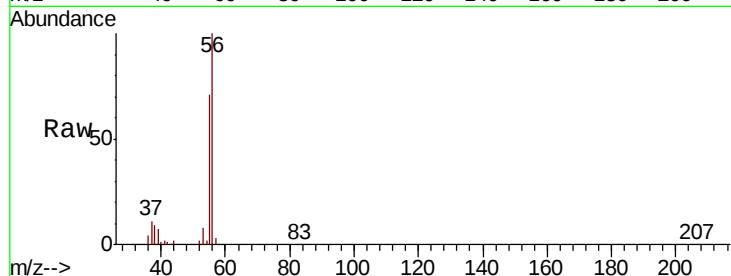
55 71.6 56.6 85.0

Manual Integrations

APPROVED

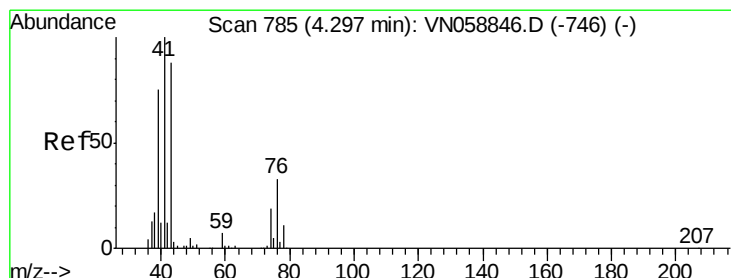
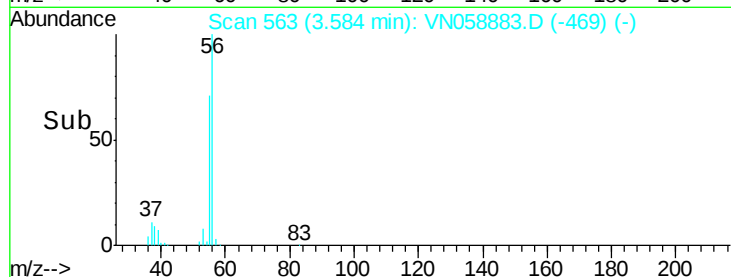
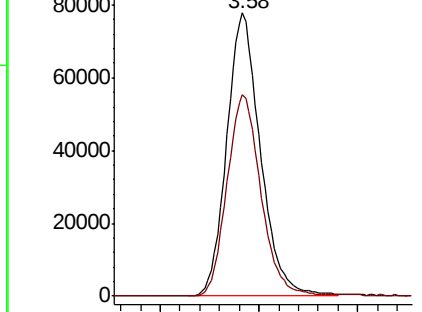
MMDadoda

10/22/2019 4:55:33 PM



Abundance Ion 56.00 (55.70 to 56.70): VN058883.D (-469) (-)

Ion 55.00 (54.70 to 55.70): VN058883.D (-469) (-)



#14

Allyl chloride

Concen: 50.495 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

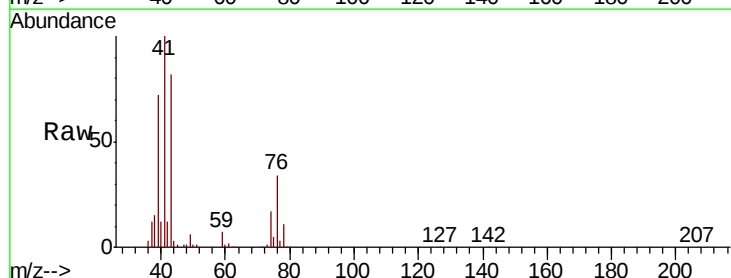
Tgt Ion: 41 Resp: 454649

Ion Ratio Lower Upper

41 100

39 68.0 55.9 83.9

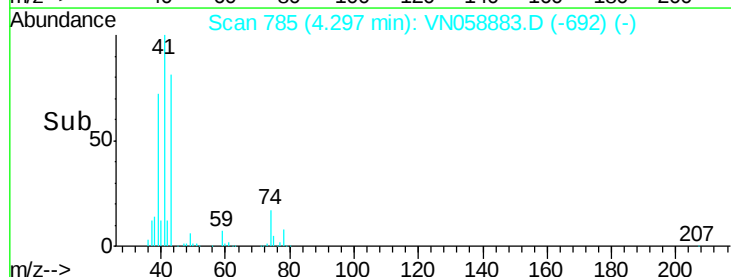
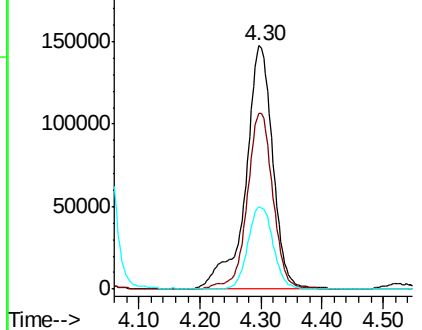
76 31.1 24.1 36.1

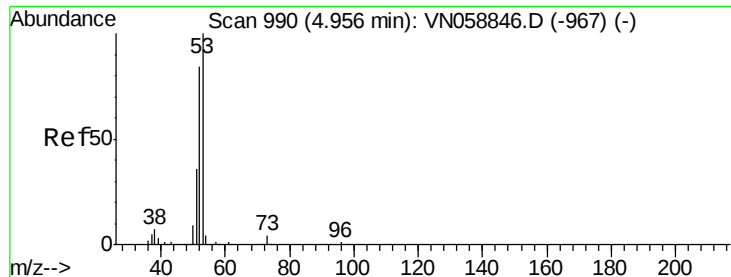


Abundance Ion 41.00 (40.70 to 41.70): VN058883.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN058883.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN058883.D (-692) (-)





#15

Acrylonitrile

Concen: 254.550 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

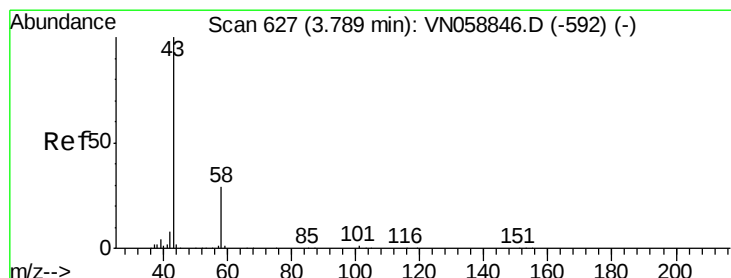
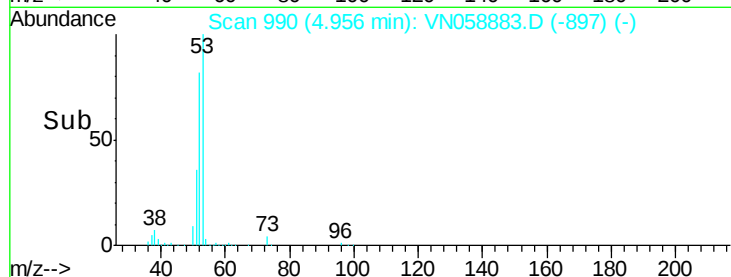
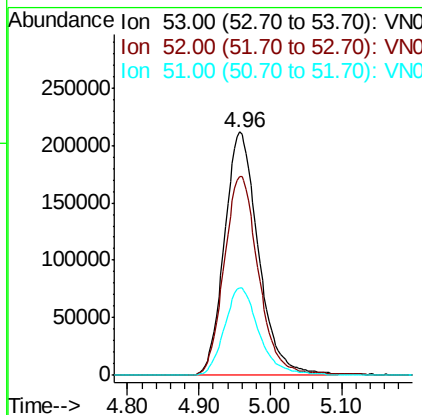
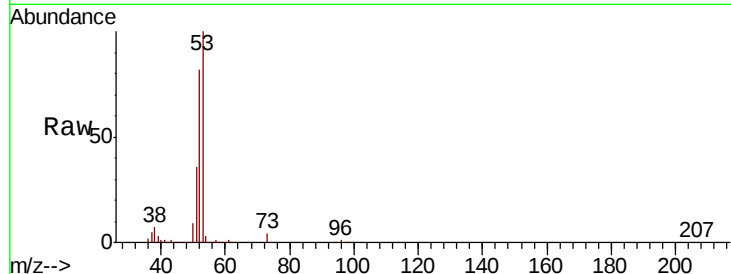
ClientSampleId :

FA19-MMW0422MSD

Tot Ion:	53	Resp:	703395
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.6	99.8
51	36.6	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 189.943 ug/l

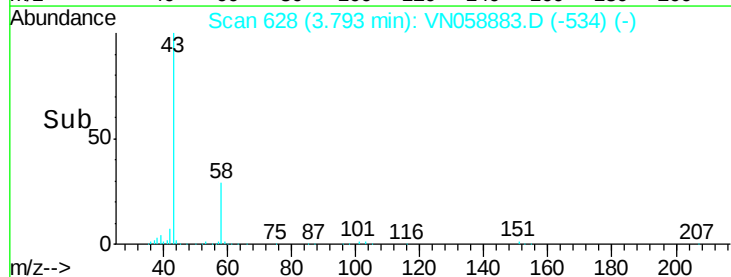
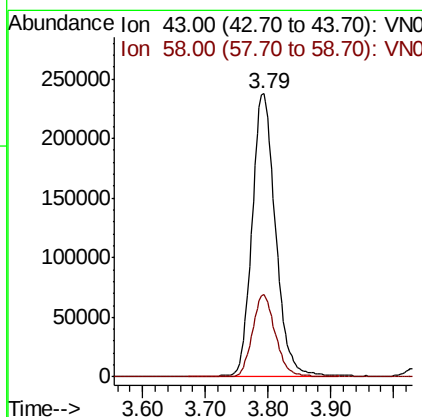
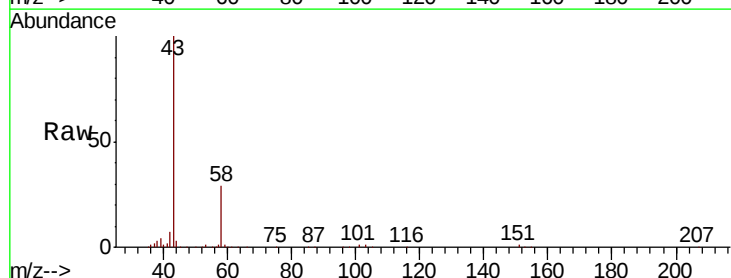
RT: 3.79 min Scan# 628

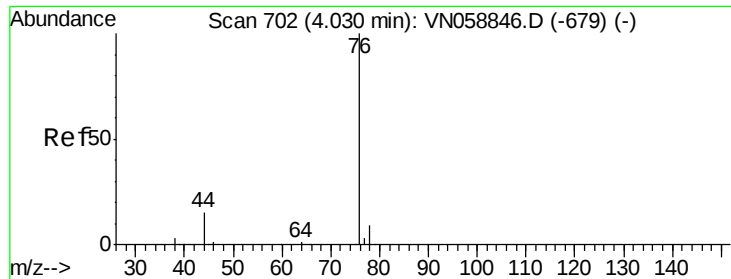
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion:	43	Resp:	621335
Ion Ratio		Lower	Upper
43	100		
58	29.1	23.1	34.7





#17

Carbon Disulfide

Concen: 47.523 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 76 Resp: 681155

Ion Ratio Lower Upper

76 100

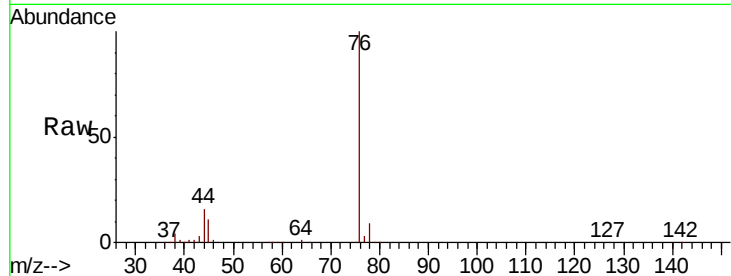
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN058883.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN058883.D (-609) (-)

4.03

250000

200000

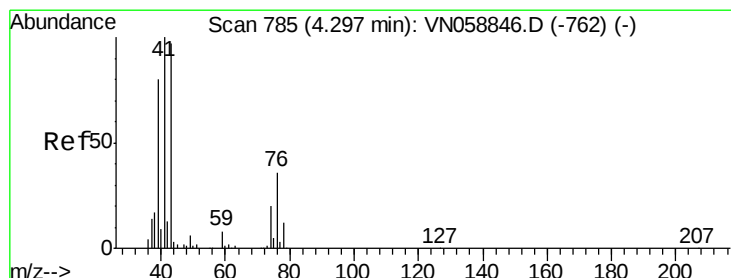
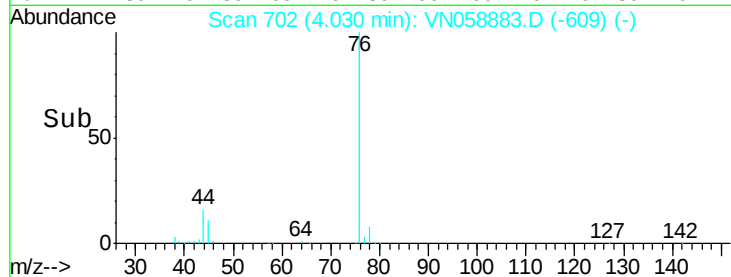
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.199 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058883.D

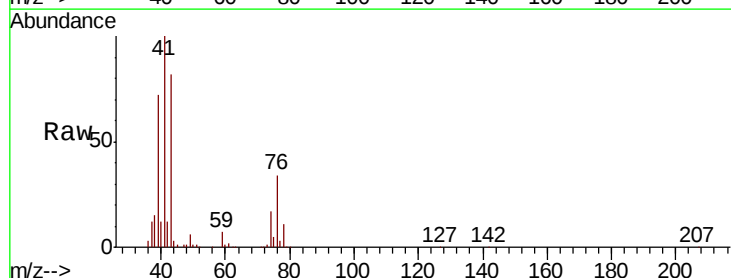
Acq: 21 Oct 2019 13:17

Tgt Ion: 43 Resp: 343583

Ion Ratio Lower Upper

43 100

74 22.0 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058883.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN058883.D (-692) (-)

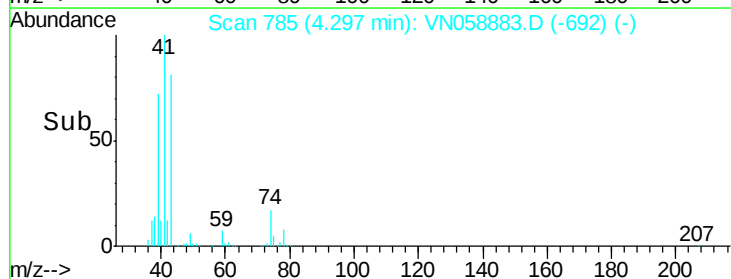
4.30

100000

50000

0

Time-->





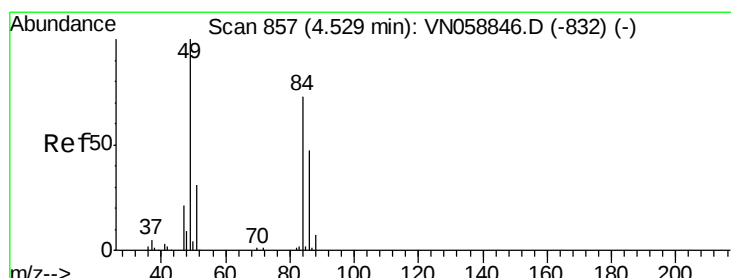
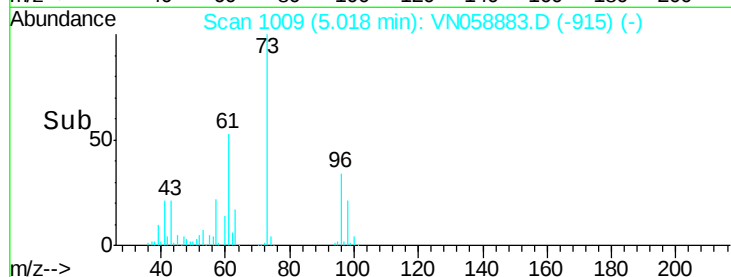
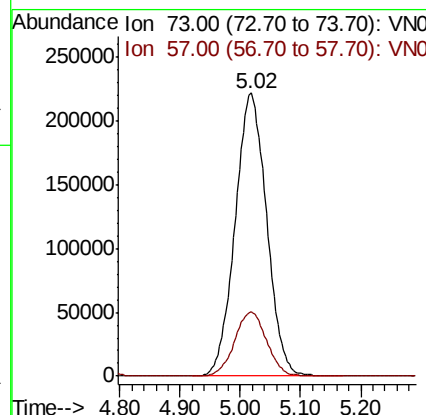
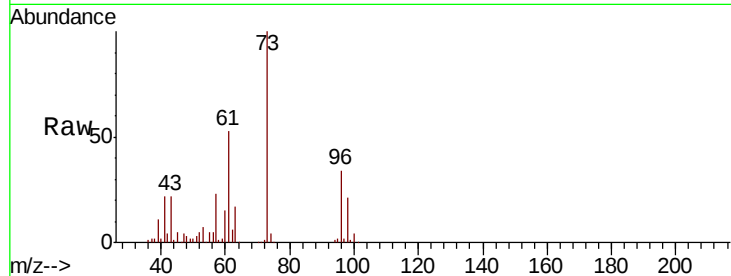
#19
Methvl tert-butvl Ether
Concen: 52.086 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion: 73 Resp: 811528
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9

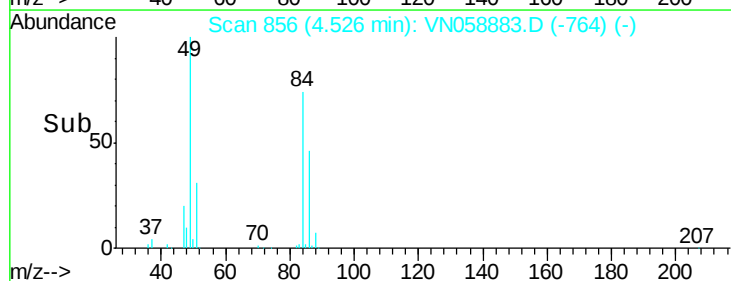
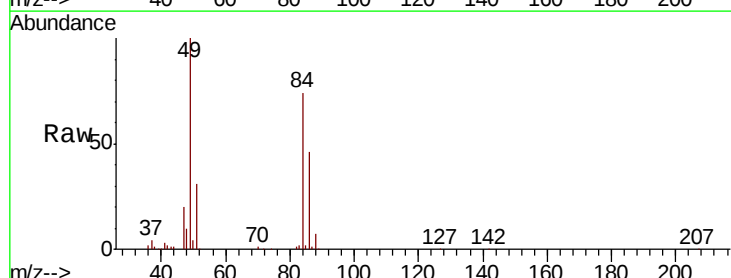
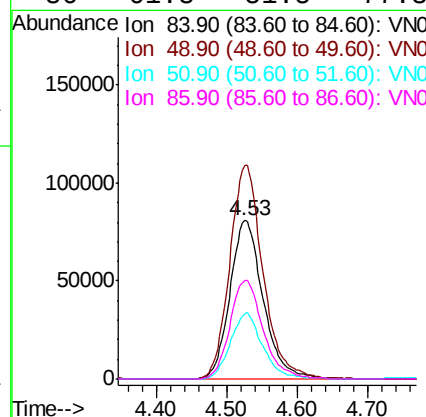
Manual Integrations
APPROVED

MMDadoda
10/22/2019 4:55:33 PM



#20
Methylene Chloride
Concen: 47.684 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion: 84 Resp: 266343
Ion Ratio Lower Upper
84 100
49 134.6 109.6 164.4
51 41.5 33.8 50.6
86 61.8 51.5 77.3





#21

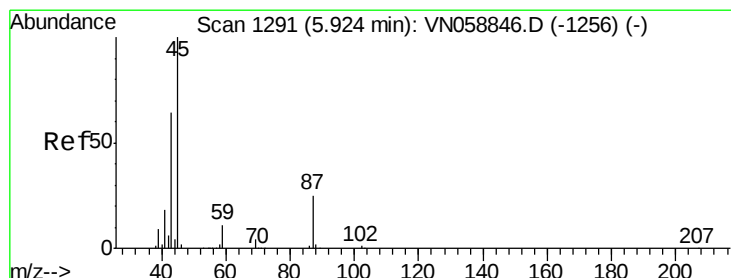
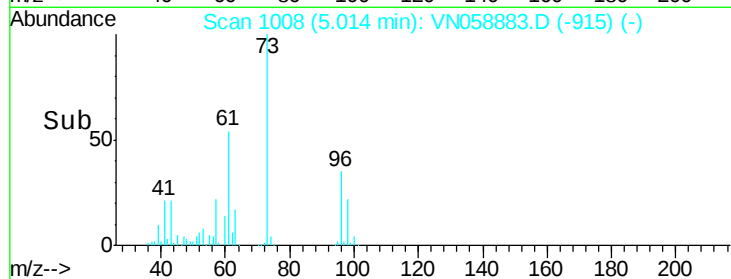
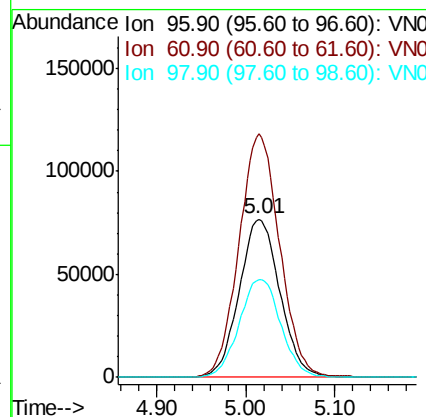
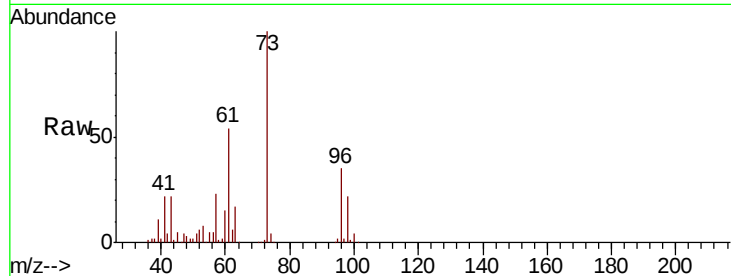
trans-1,2-Dichloroethene
Concen: 49.562 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	126.7	190.1
98	62.0	52.0	78.0

Manual Integrations
APPROVED

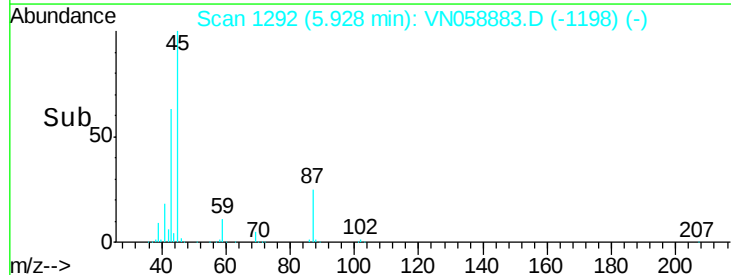
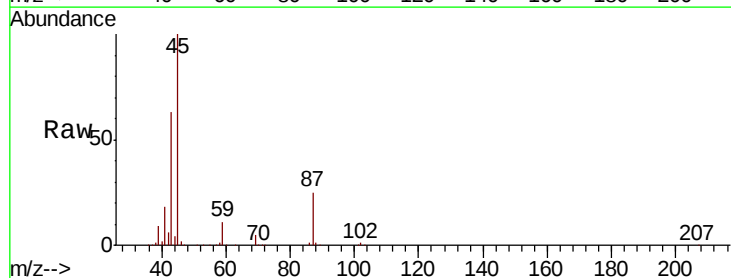
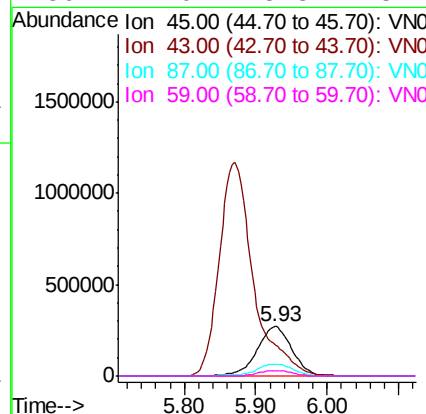
MMDadoda
10/22/2019 4:55:33 PM

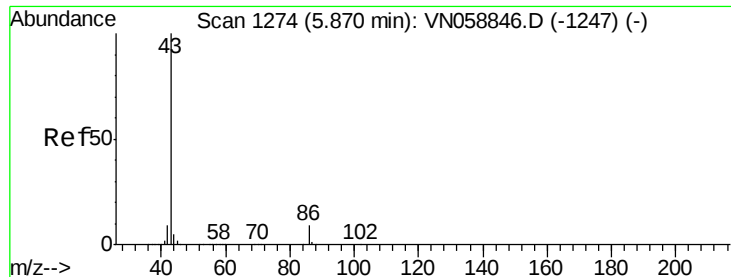


#22

Diisopropyl ether
Concen: 51.792 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	52.9	79.3
87	24.5	20.2	30.4
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 275.850 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 43 Resp: 3903090

Ion Ratio Lower Upper

43 100

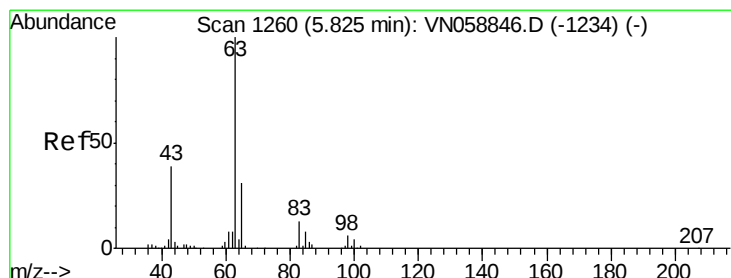
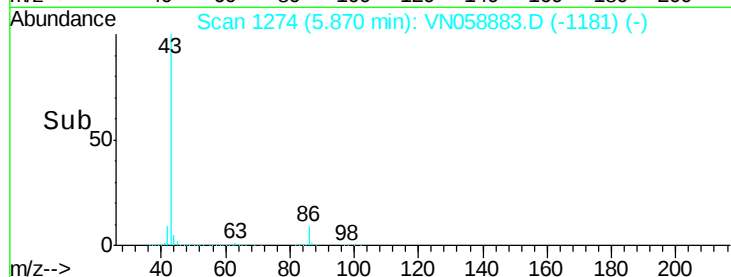
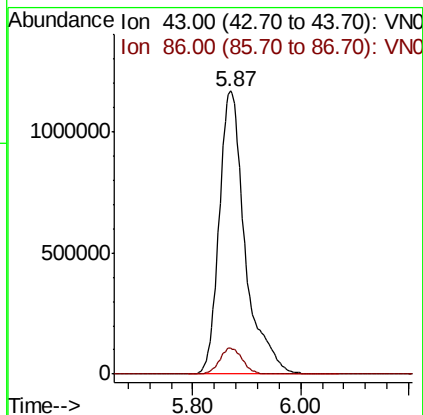
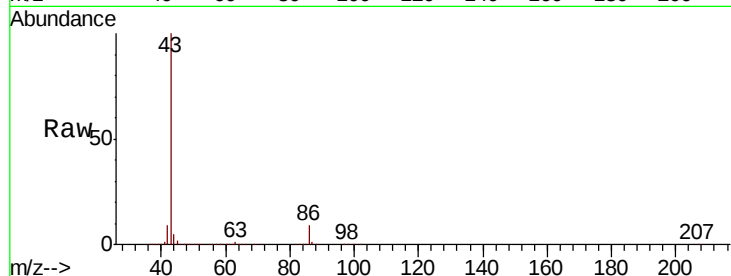
86 9.1 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

10/22/2019 4:55:33 PM



#24

1,1-Dichloroethane

Concen: 48.459 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

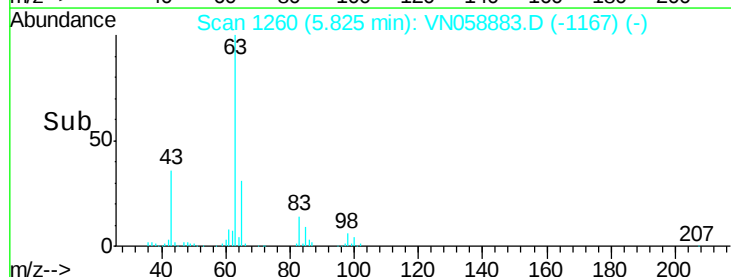
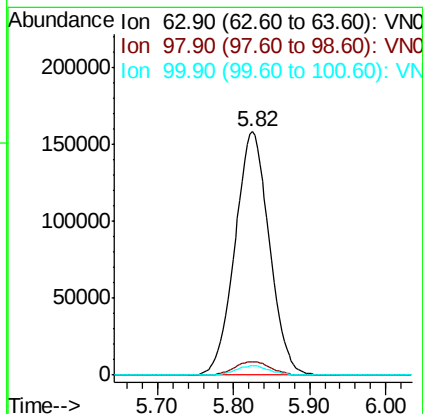
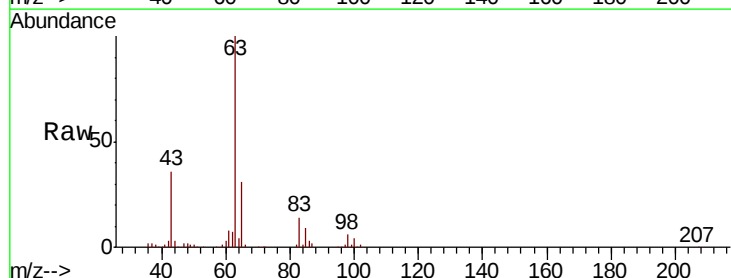
Tgt Ion: 63 Resp: 494857

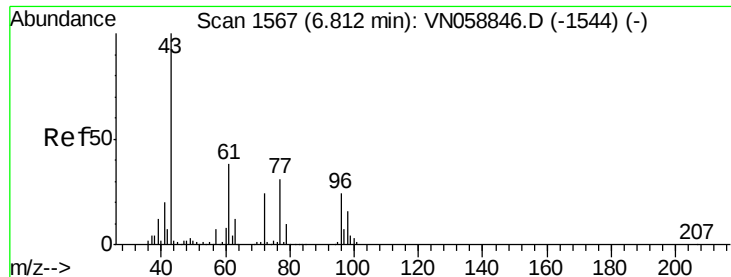
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 229.802 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 43 Resp: 975811

Ion Ratio Lower Upper

43 100

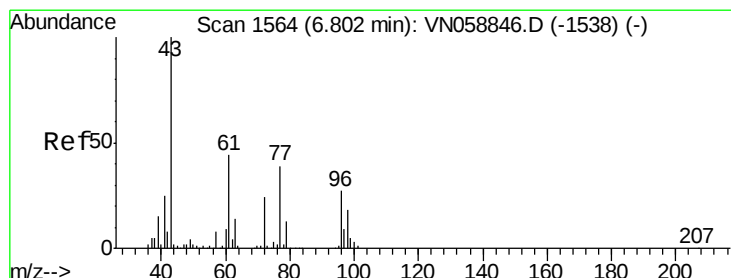
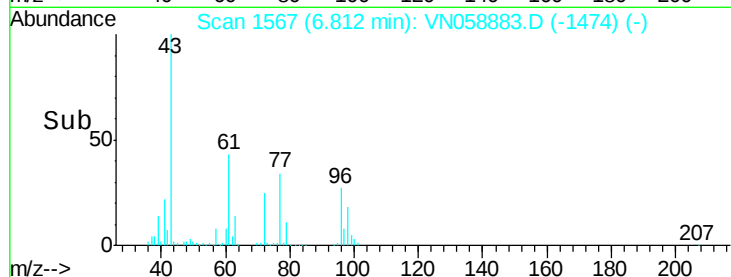
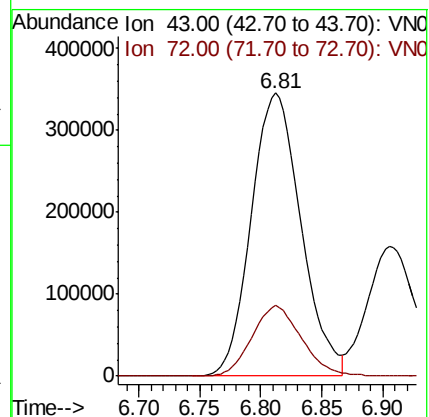
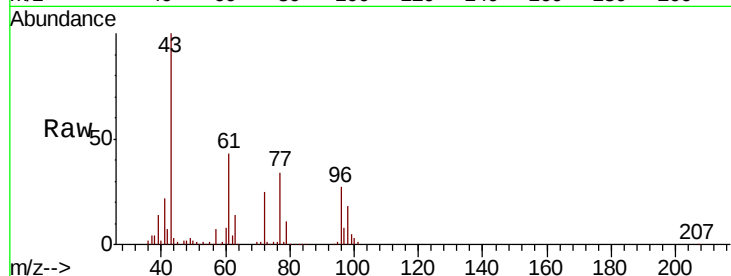
72 24.9 19.1 28.7

Manual Integrations

APPROVED

MMDadoda

10/22/2019 4:55:33 PM



#26

2,2-Dichloropropane

Concen: 47.590 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058883.D

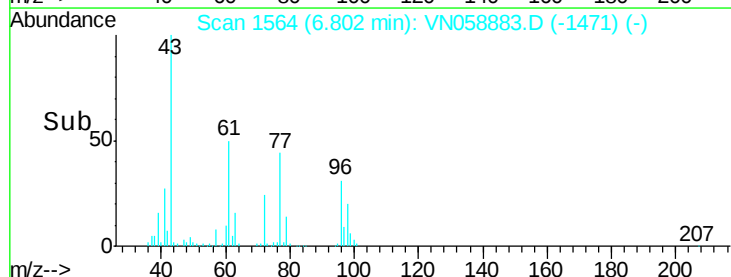
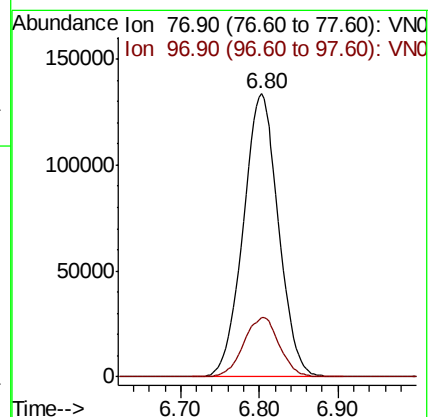
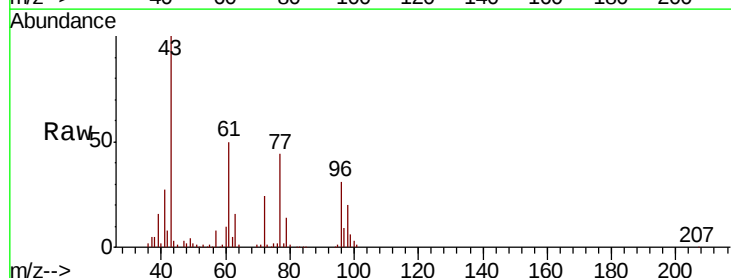
Acq: 21 Oct 2019 13:17

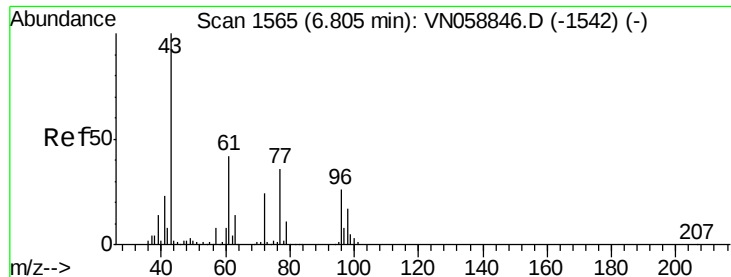
Tgt Ion: 77 Resp: 420353

Ion Ratio Lower Upper

77 100

97 21.4 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.218 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

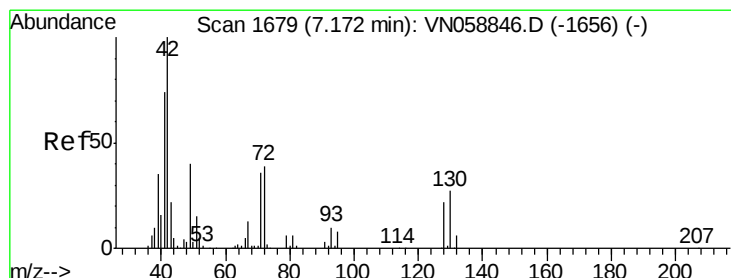
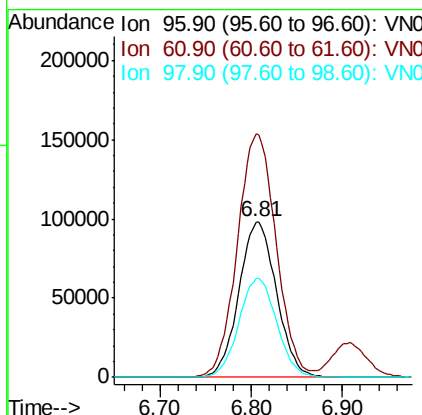
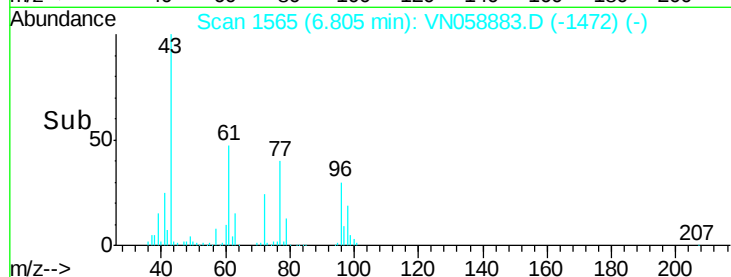
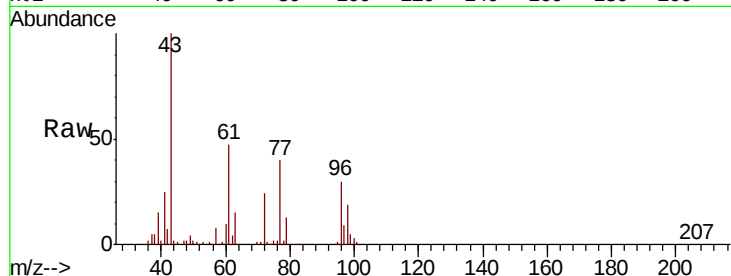
ClientSampleId :

FA19-MMW0422MSD

Tot Ion:	96	Resp:	281895
Ion Ratio	Lower	Upper	
96	100		
61	161.1	0.0	325.0
98	64.3	0.0	128.0

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#28

Bromochloromethane

Concen: 48.500 ug/l

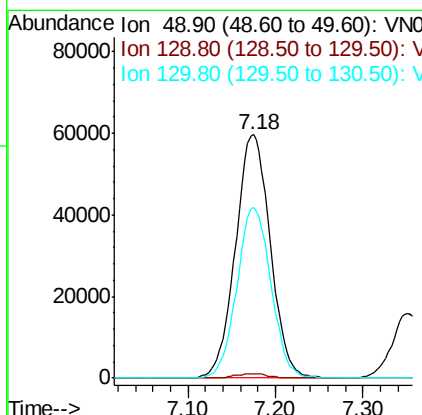
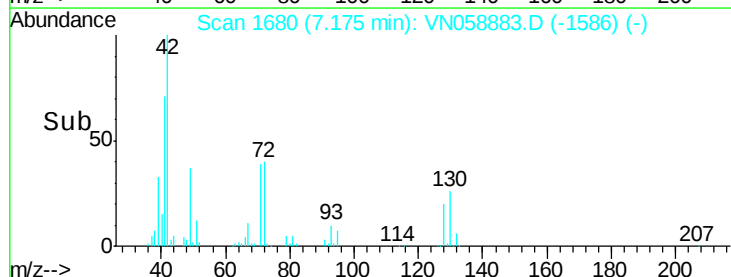
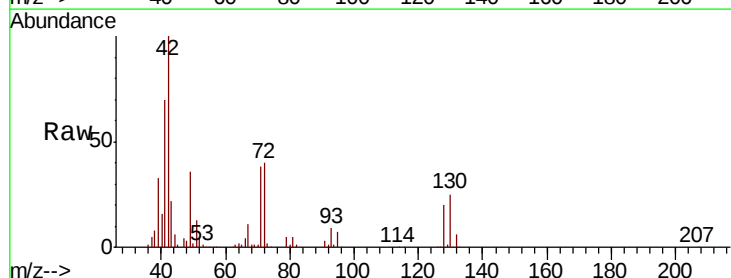
RT: 7.18 min Scan# 1680

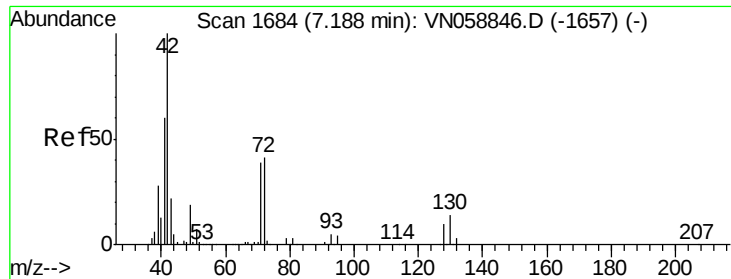
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion:	49	Resp:	164946
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.2
130	68.3	53.5	80.3





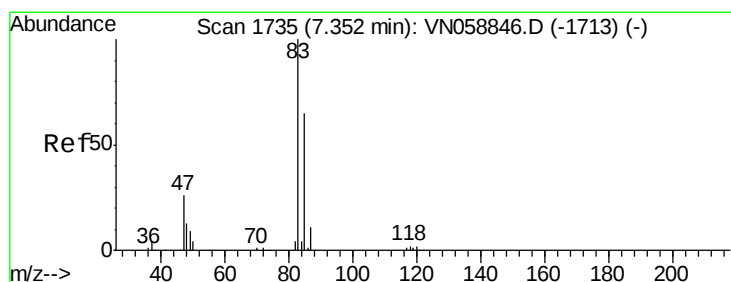
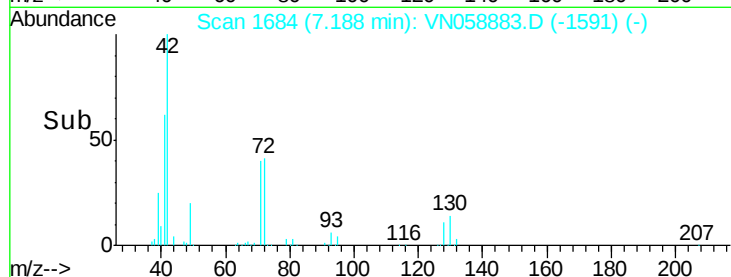
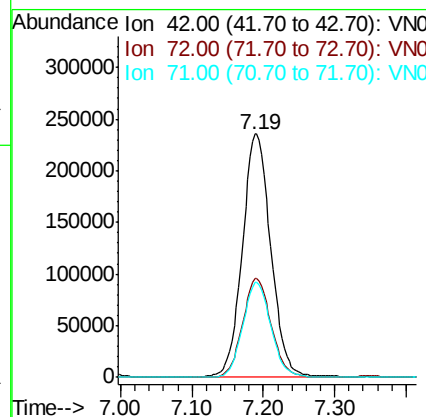
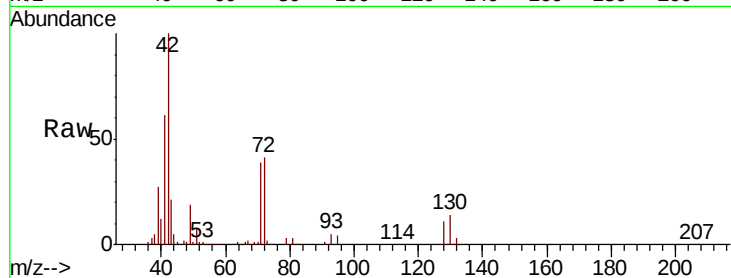
#29
Tetrahydrofuran
Concen: 251.662 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.2	48.2
71	38.8	30.6	45.8

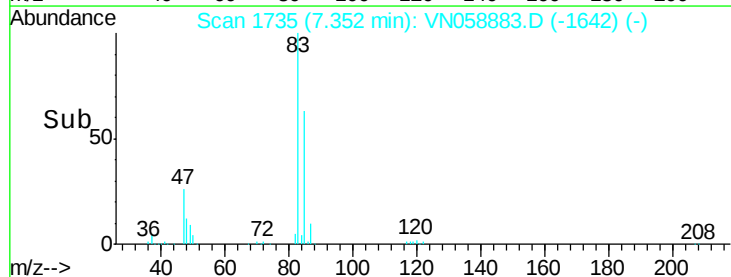
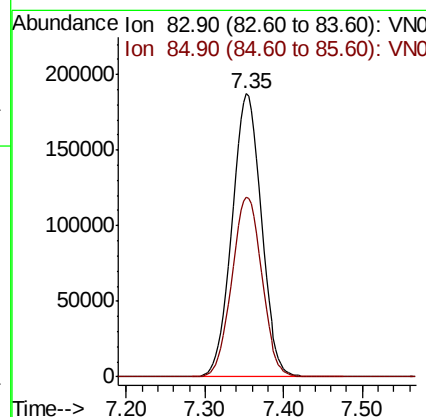
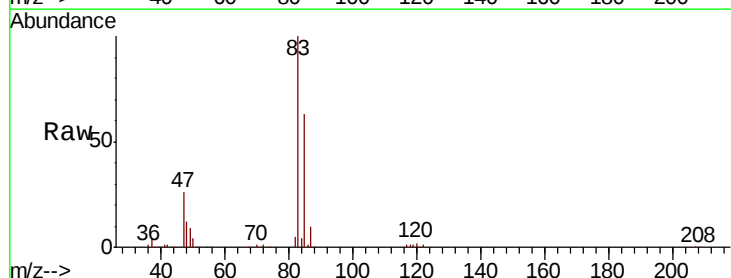
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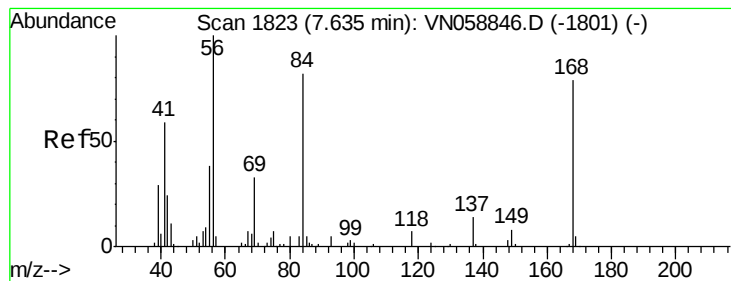
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#30
Chloroform
Concen: 47.314 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.9	77.9





#31

Cyclohexane

Concen: 46.697 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 56 Resp: 444245

Ion Ratio Lower Upper

56 100

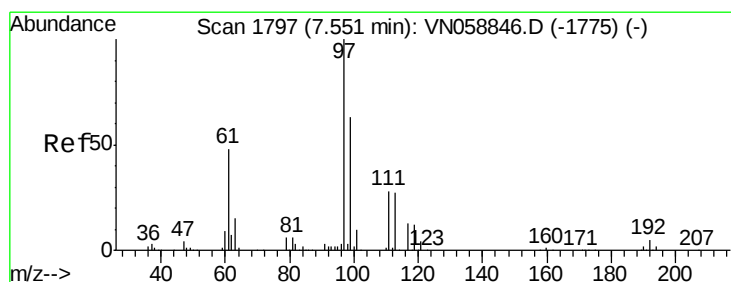
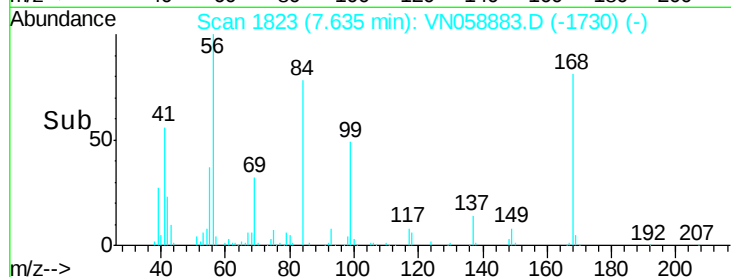
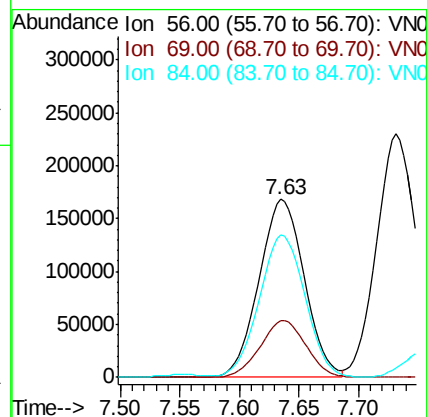
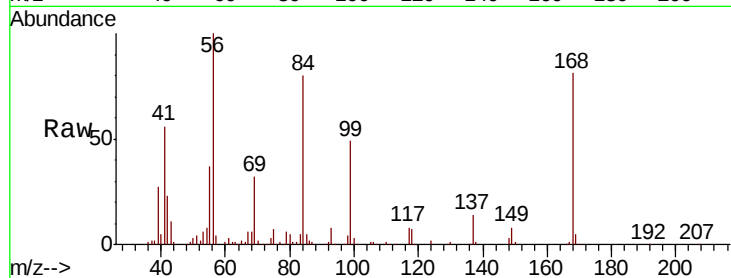
69 31.6 26.2 39.4

84 78.9 65.6 98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.033 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

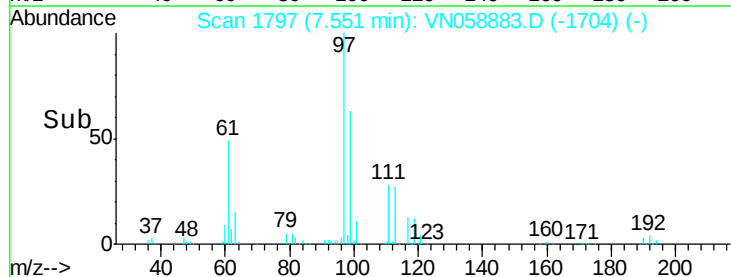
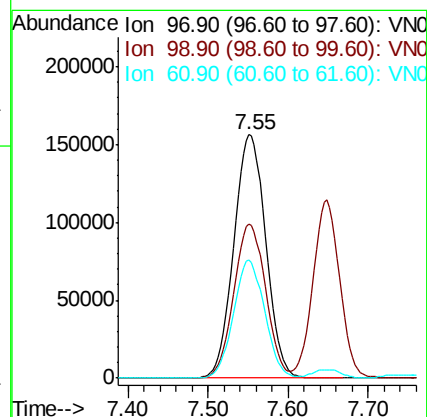
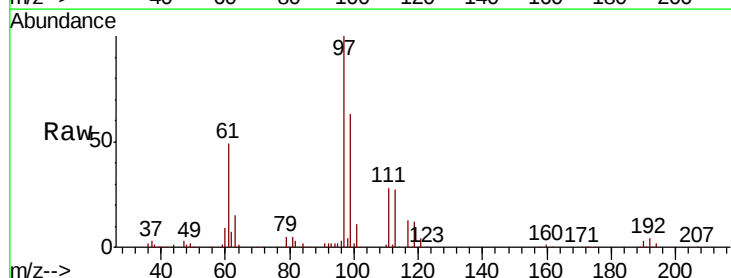
Tgt Ion: 97 Resp: 423355

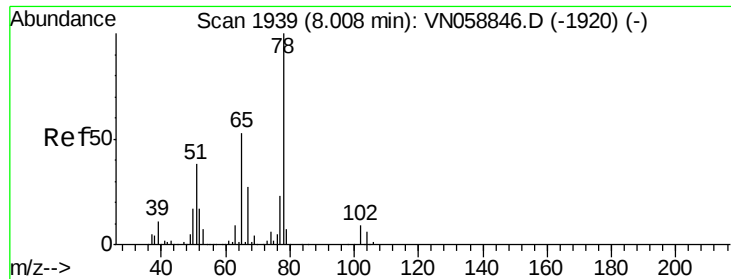
Ion Ratio Lower Upper

97 100

99 63.4 51.0 76.4

61 47.4 38.6 58.0





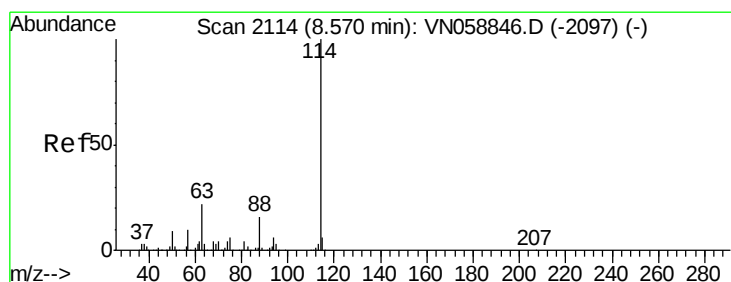
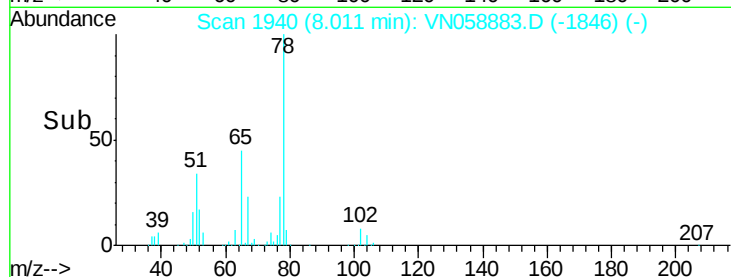
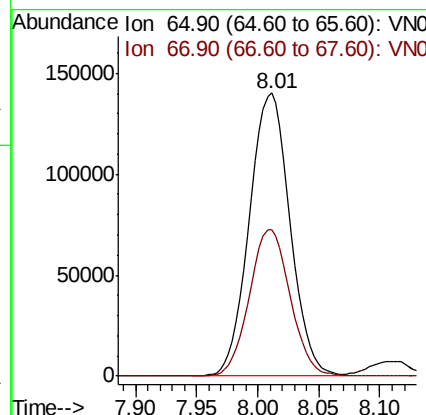
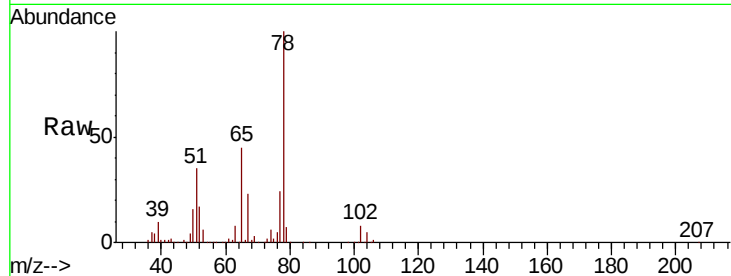
#33
 1,2-Dichloroethane-d4
 Concen: 48.912 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	323791		
67	52.0	0.0	103.2	

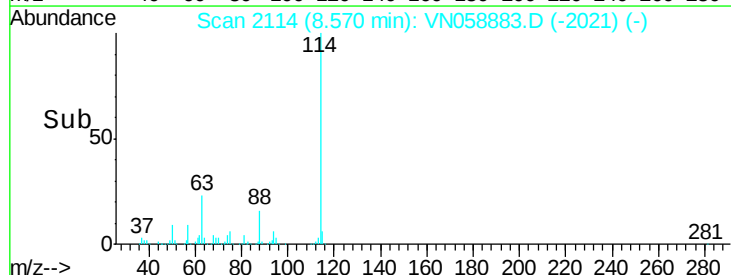
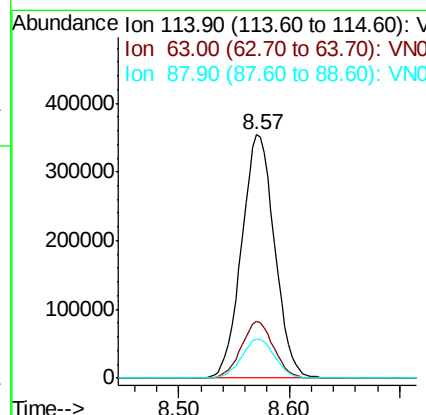
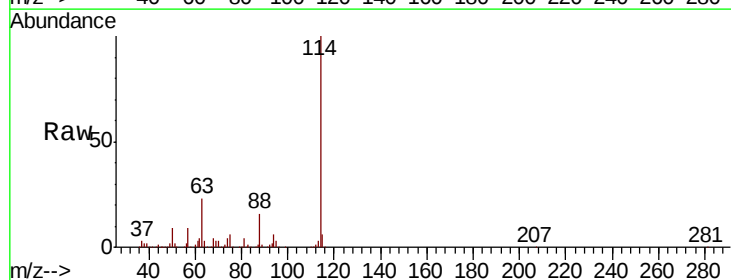
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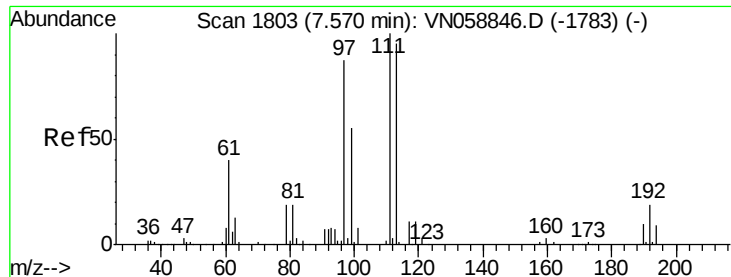
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	732168		
63	23.1	0.0	44.4	
88	15.9	0.0	31.4	





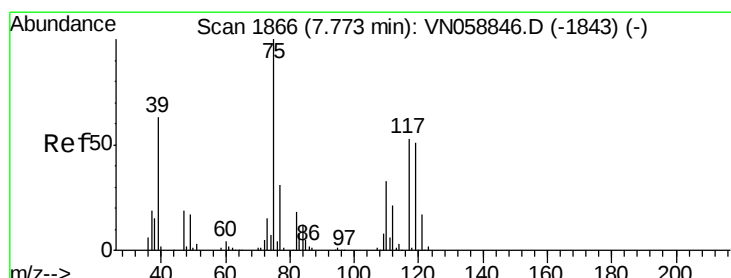
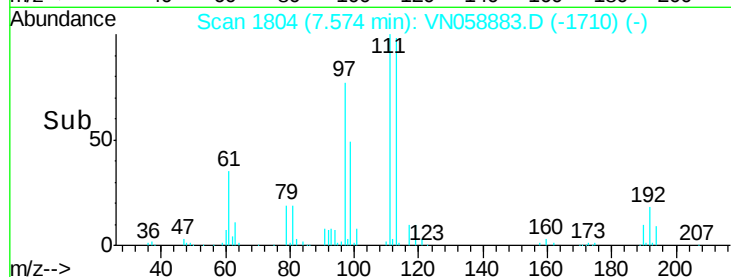
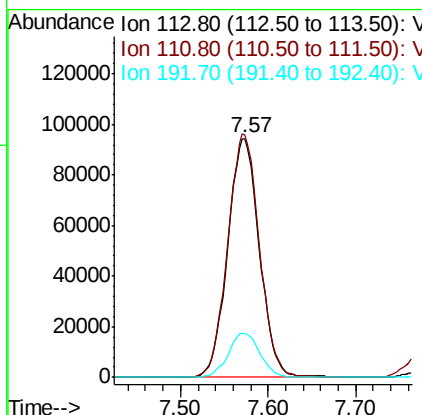
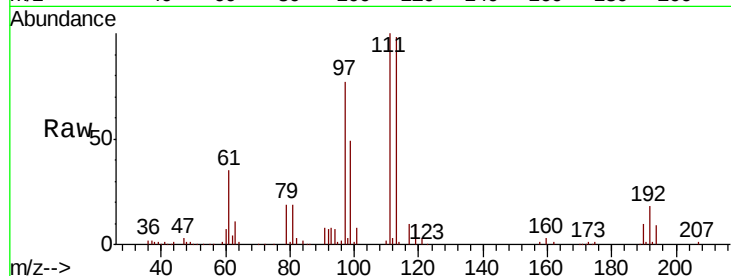
#35
 Dibromofluoromethane
 Concen: 49.094 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	236330		
111	101.9	82.0	123.0	
192	18.6	15.0	22.6	

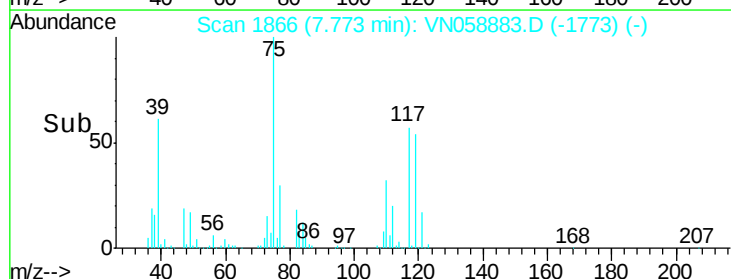
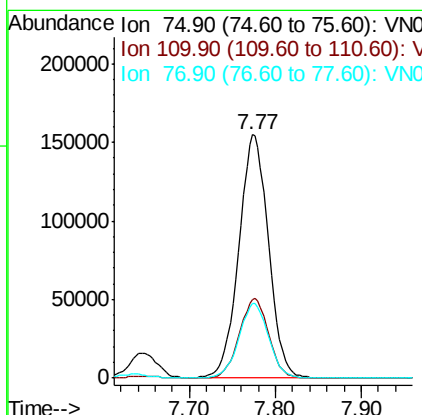
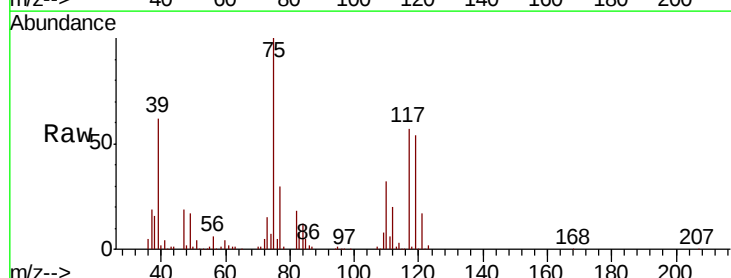
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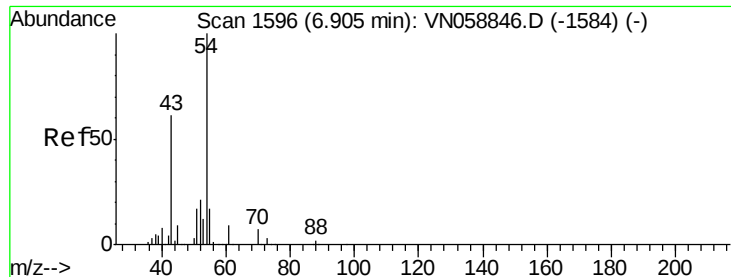
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#36
 1,1-Dichloropropene
 Concen: 49.276 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	369364		
110	32.4	16.3	48.9	
77	31.0	24.6	36.8	





#37

Ethyl Acetate

Concen: 53.967 ug/l

RT: 6.90 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

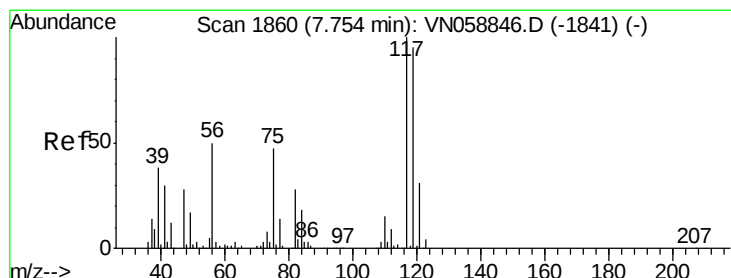
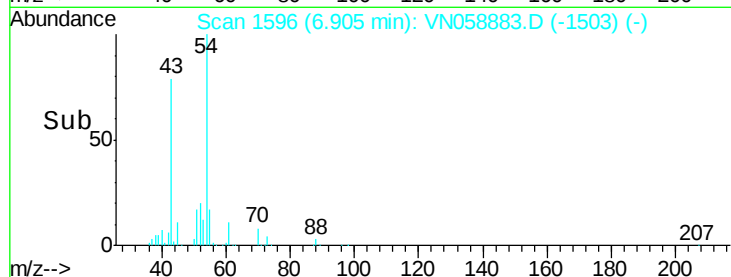
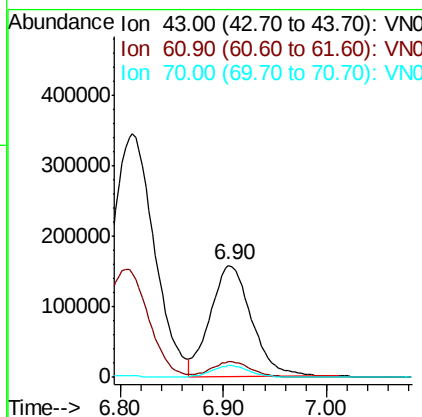
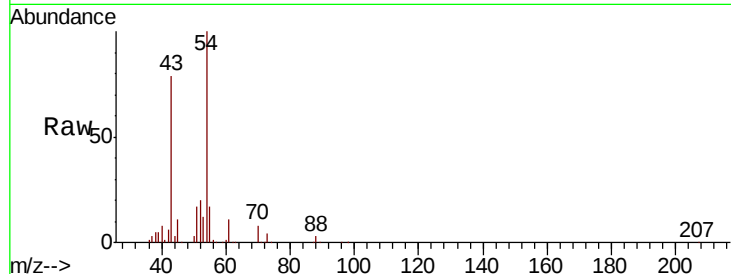
ClientSampleId :

FA19-MMW0422MSD

Tot Ion:	43	Resp:	440787
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.5	15.7
70	9.8	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.337 ug/l

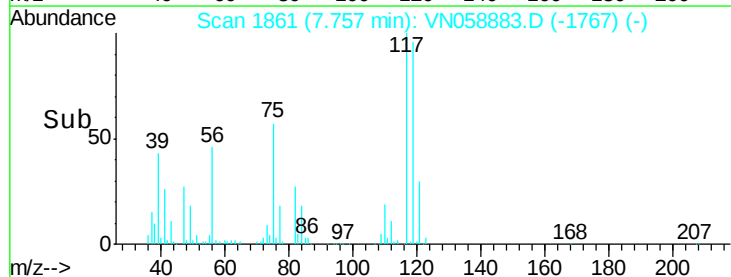
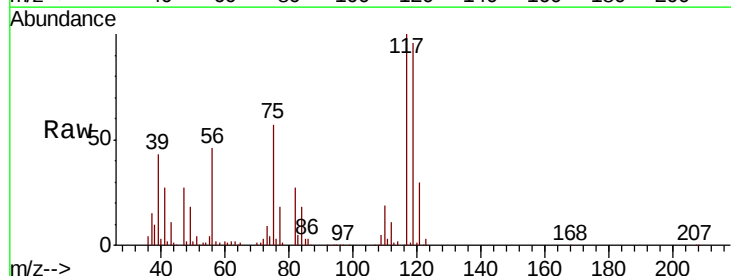
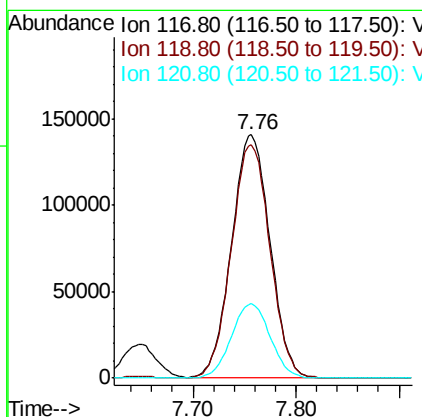
RT: 7.76 min Scan# 1861

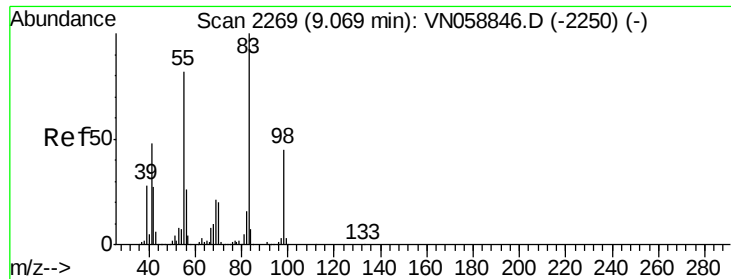
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion:	117	Resp:	365543
Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.7	113.5
121	30.5	25.0	37.6





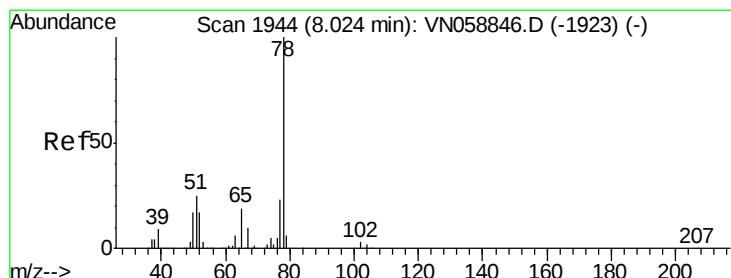
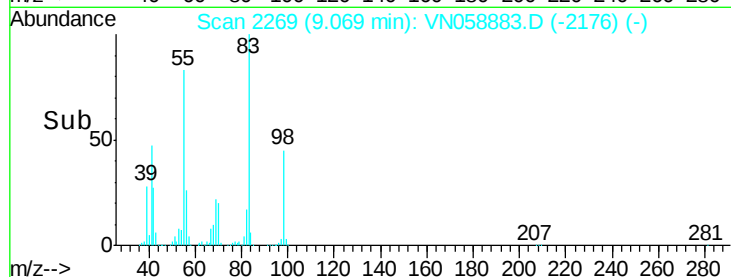
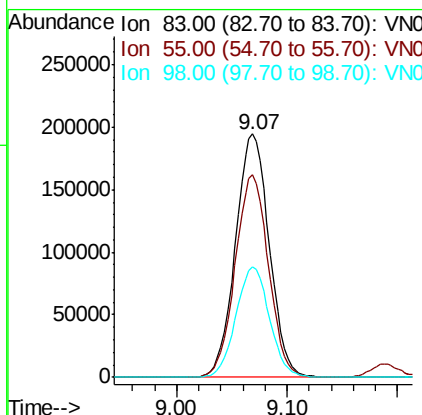
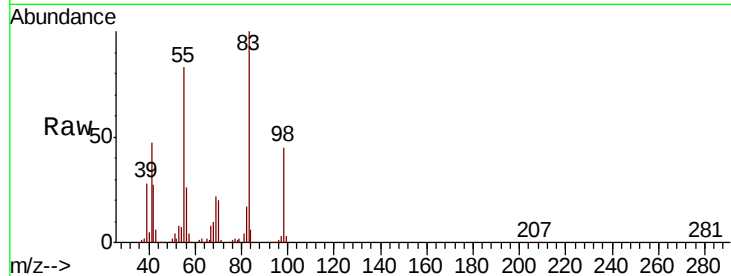
#39
Methvlcvclohexane
Concen: 48.982 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.2	65.5	98.3
98	45.4	35.7	53.5

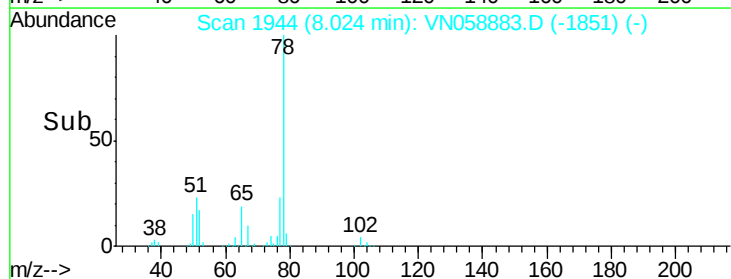
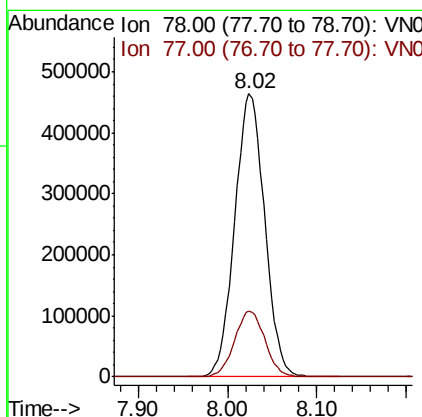
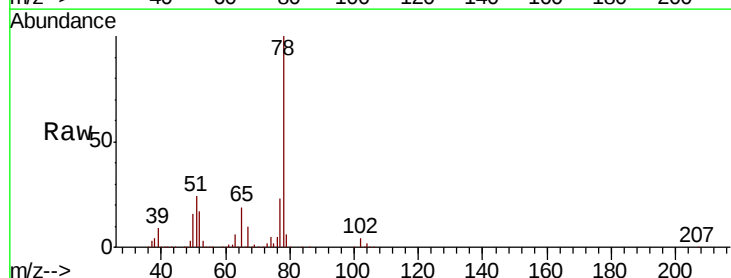
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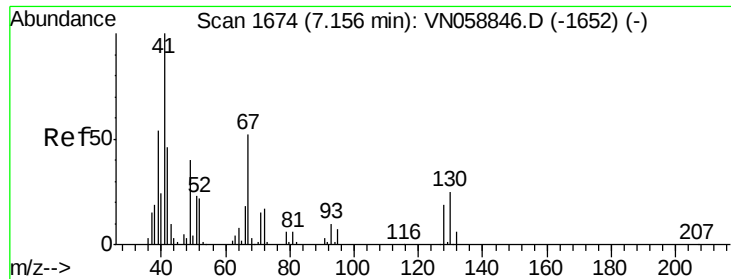
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#40
Benzene
Concen: 49.145 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.2





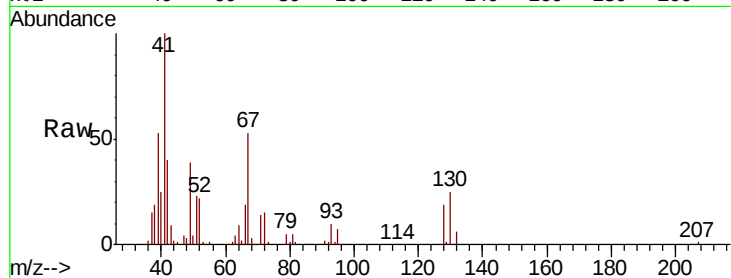
#41
Methacrylonitrile
Concen: 46.632 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

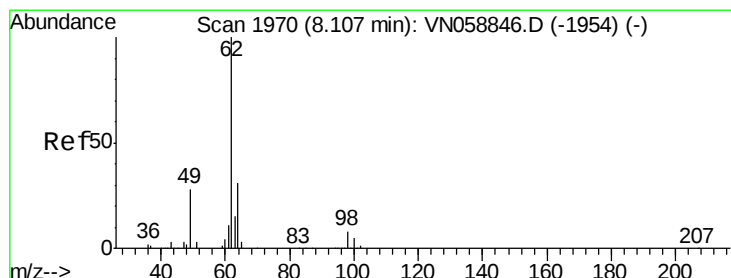
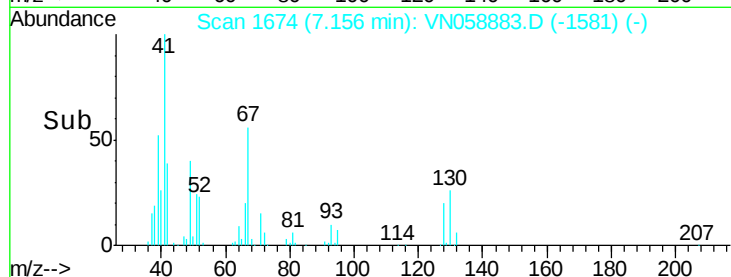
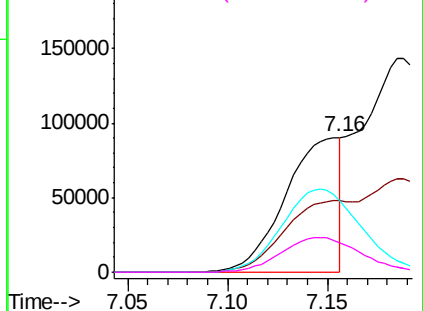
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		169634		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

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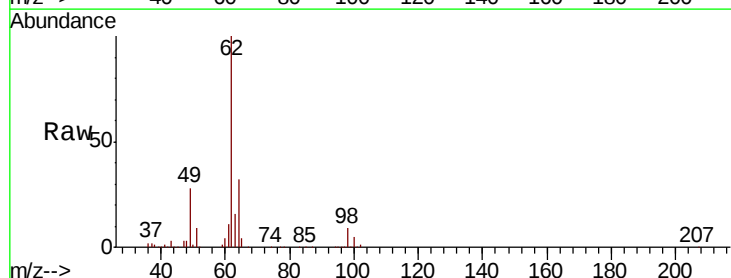


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

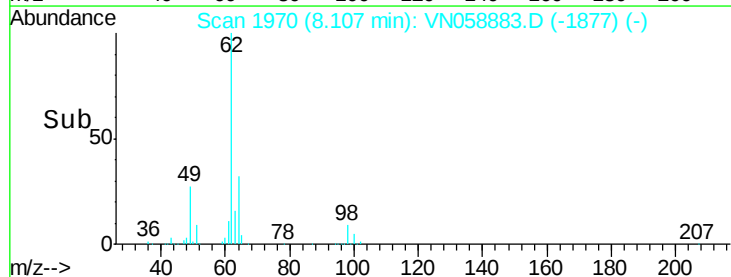
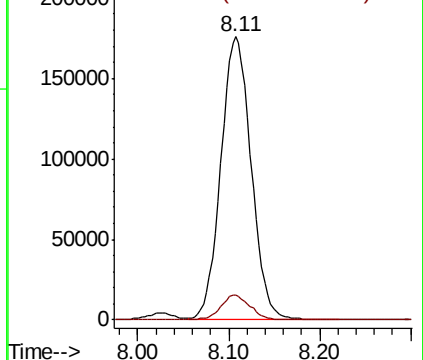


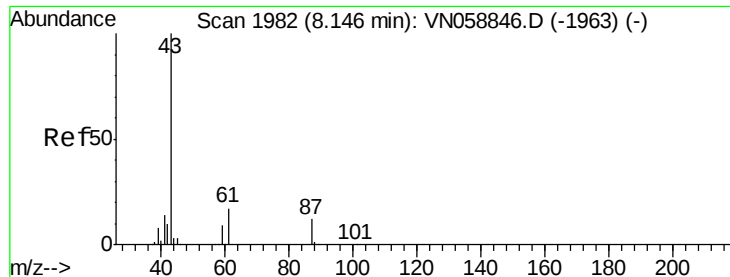
#42
1,2-Dichloroethane
Concen: 47.903 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		406177		
98	8.4	0.0	16.2		



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





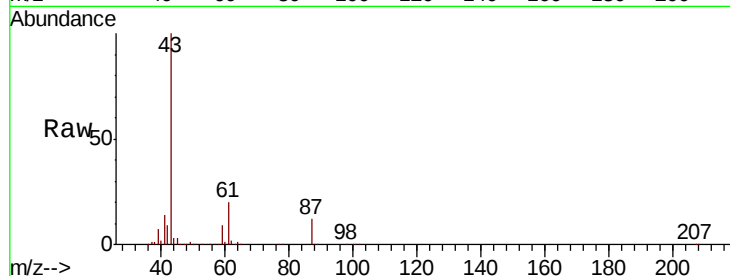
#43
Isopropyl Acetate
Concen: 50.266 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.2	30.2
87	11.9	9.5	14.3

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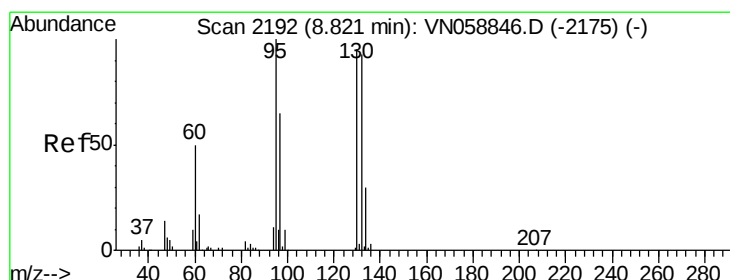
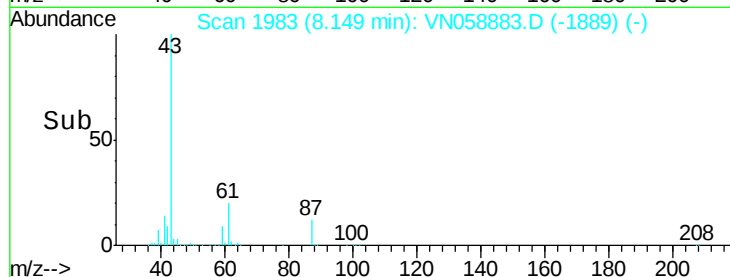
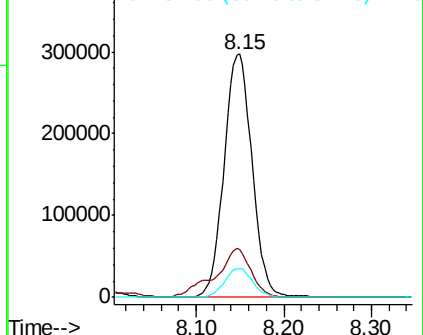
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VN058883.D (-1889) (-)

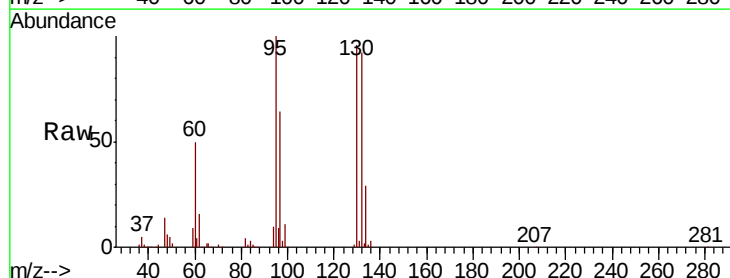
Ion 61.00 (60.70 to 61.70): VN058883.D (-1889) (-)

Ion 87.00 (86.70 to 87.70): VN058883.D (-1889) (-)



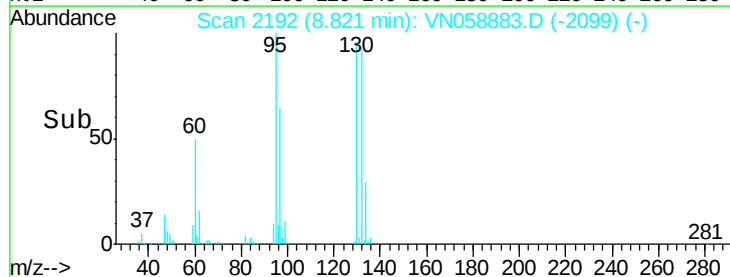
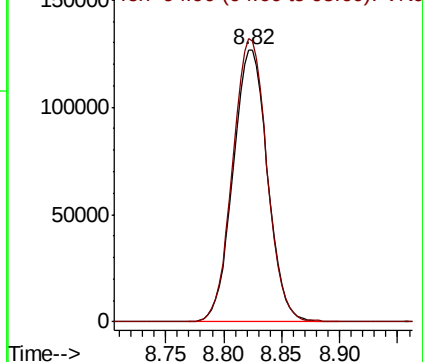
#44
Trichloroethene
Concen: 48.837 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058883.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN058883.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 49.149 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 63 Resp: 296656

Ion Ratio Lower Upper

63 100

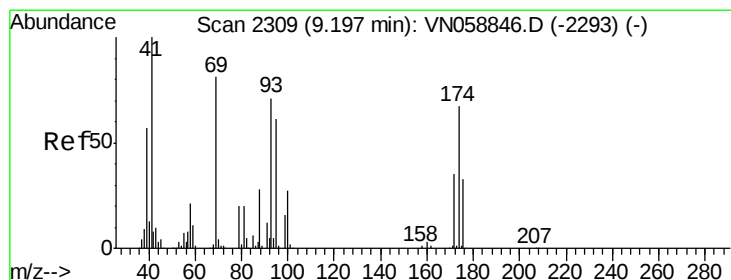
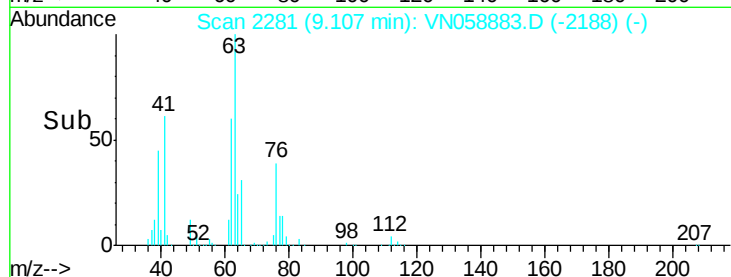
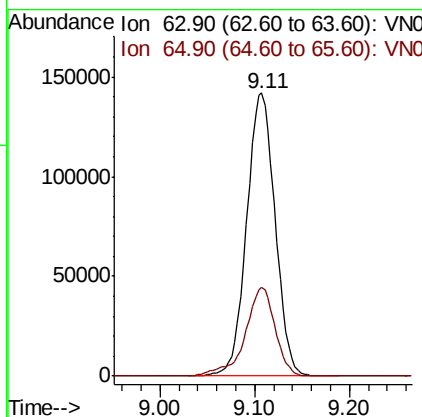
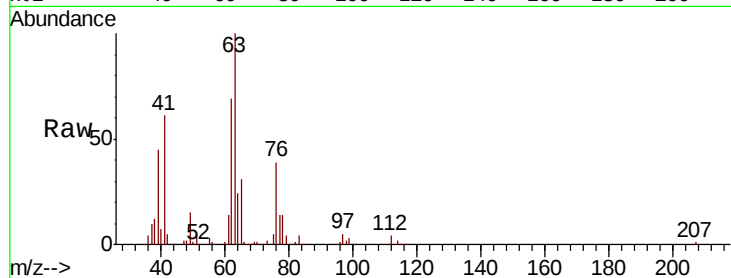
65 31.4 24.5 36.7

Manual Integrations

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#46

Dibromomethane

Concen: 48.708 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

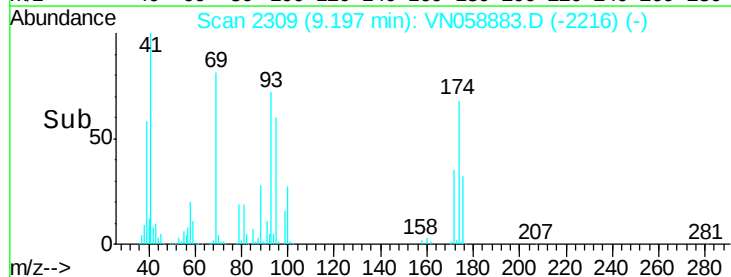
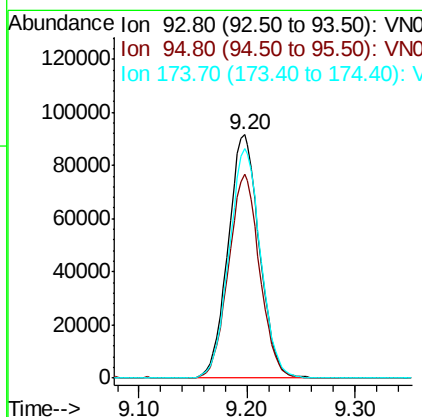
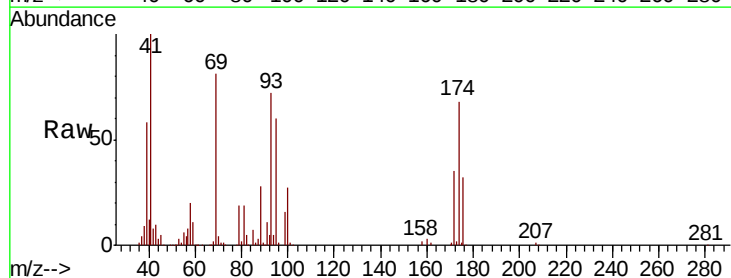
Tgt Ion: 93 Resp: 185858

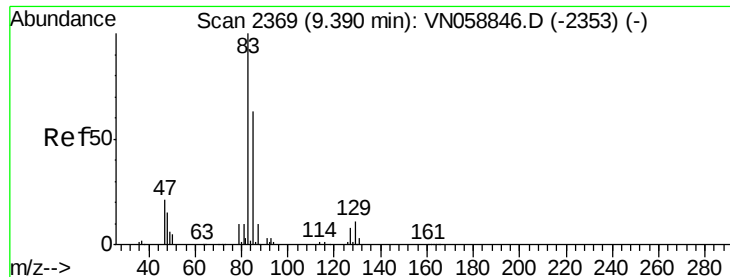
Ion Ratio Lower Upper

93 100

95 82.6 67.6 101.4

174 94.2 74.1 111.1





#47

Bromodichloromethane

Concen: 49.479 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

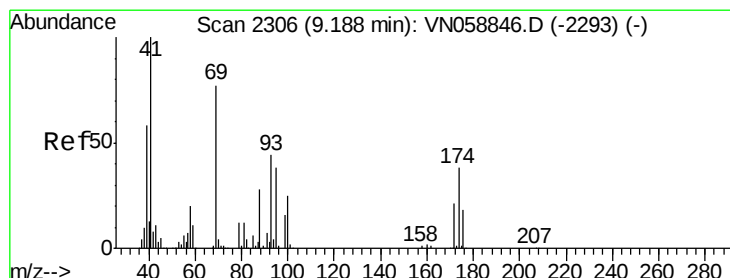
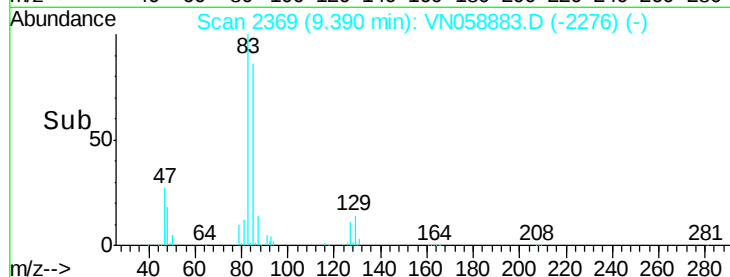
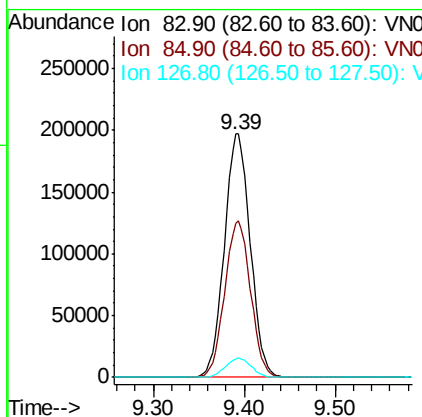
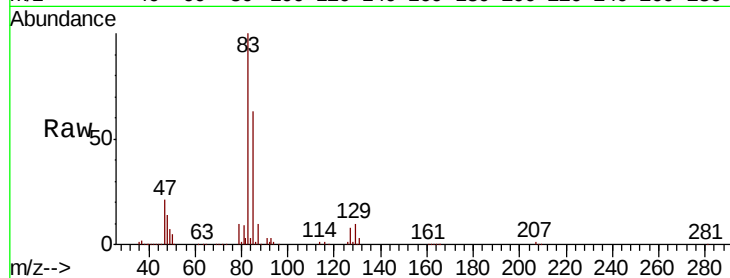
ClientSampleId :

FA19-MMW0422MSD

Tot Ion:	83	Resp:	389125
Ion Ratio	Lower	Upper	
83	100		
85	63.4	50.6	75.8
127	7.7	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.485 ug/l

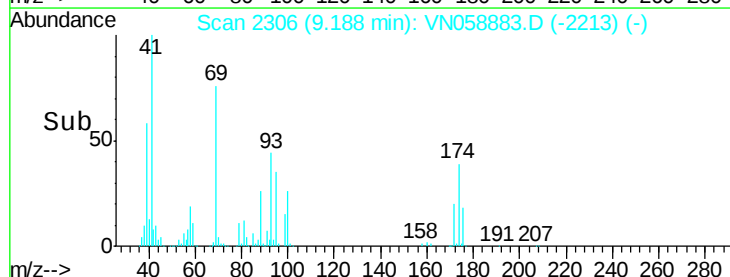
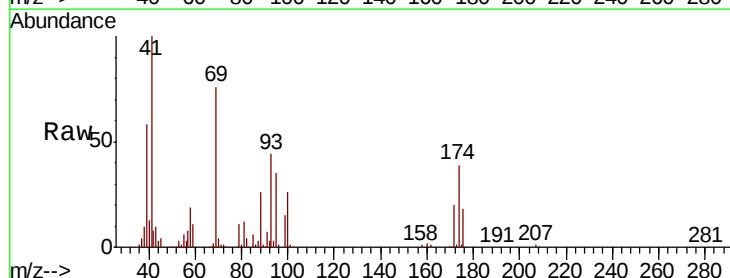
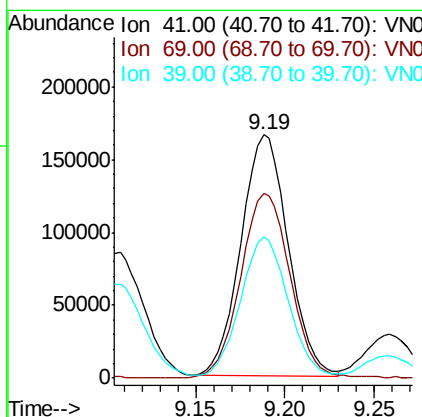
RT: 9.19 min Scan# 2306

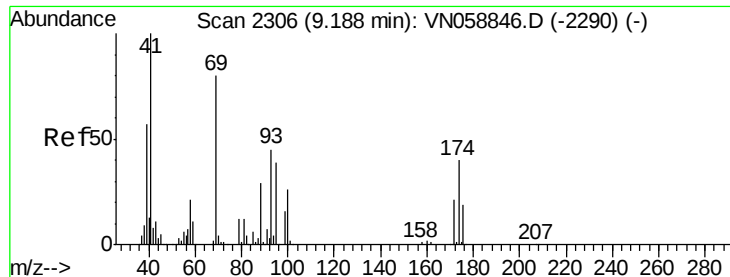
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion:	41	Resp:	305980
Ion Ratio	Lower	Upper	
41	100		
69	80.7	63.8	95.6
39	59.6	47.8	71.8





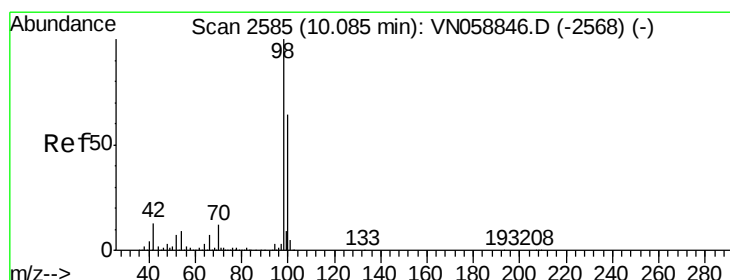
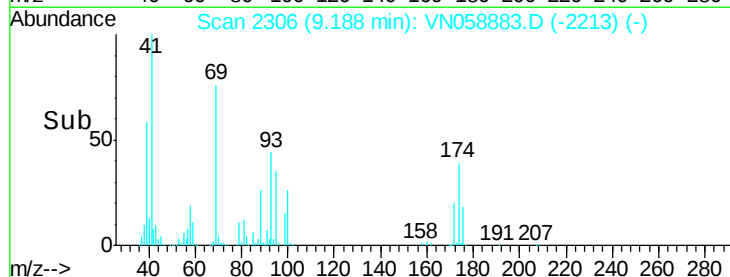
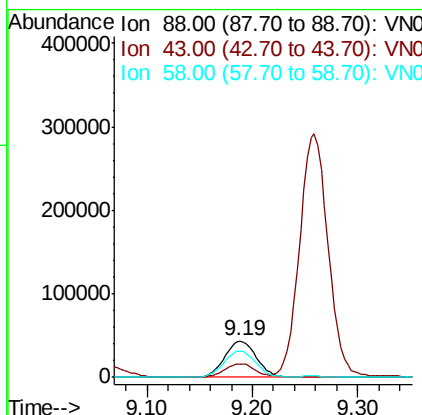
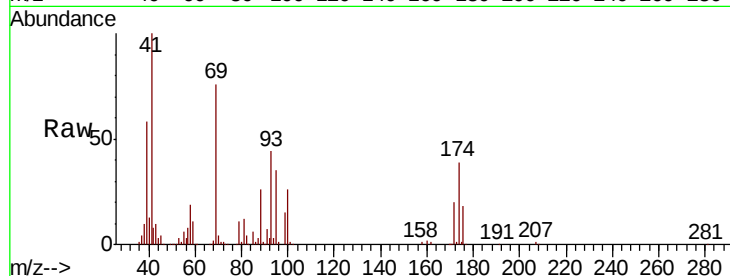
#49
1,4-Dioxane
Concen: 935.258 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	88	Resp	91244
Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.1	43.7
58	72.4	59.4	89.0

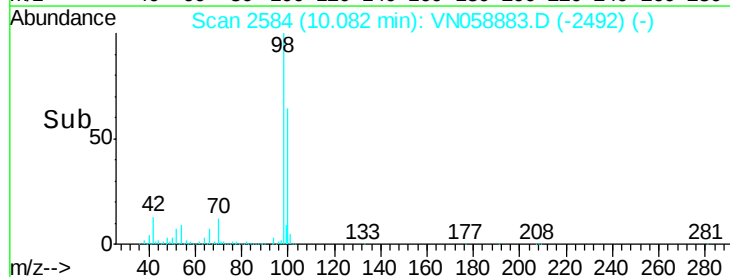
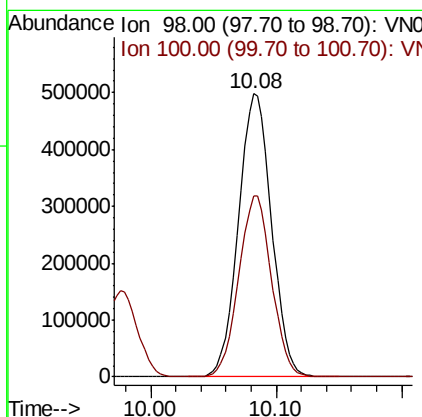
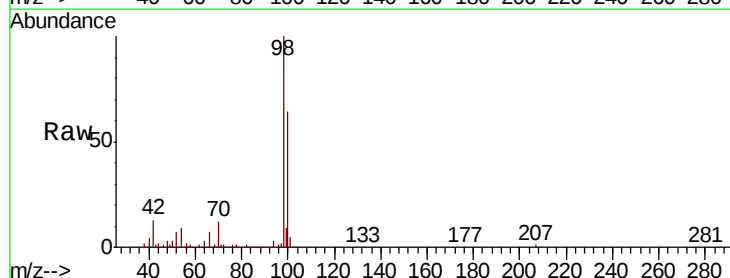
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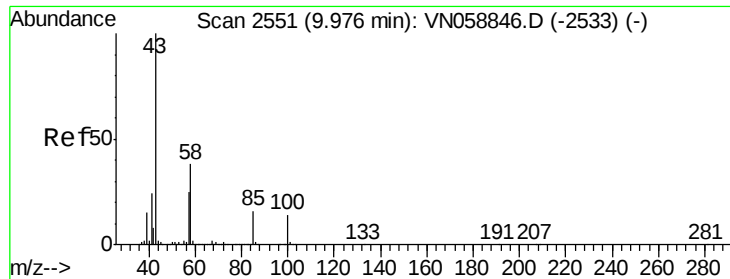
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#50
Toluene-d8
Concen: 48.876 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	98	Resp	913322
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 266.506 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 43 Resp: 2039065

Ion Ratio Lower Upper

43 100

58 37.9

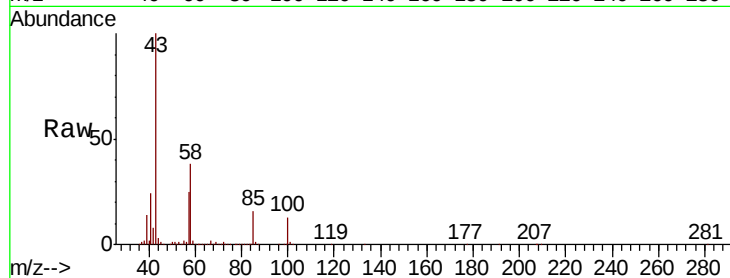
29.9

44.9

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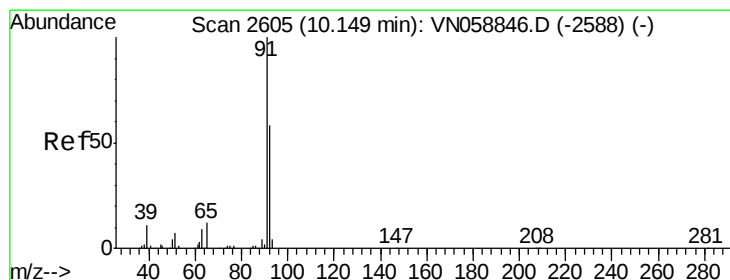
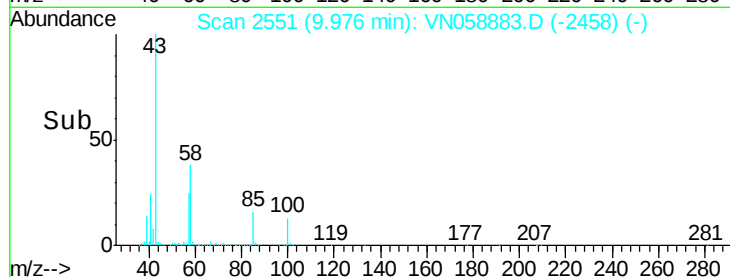
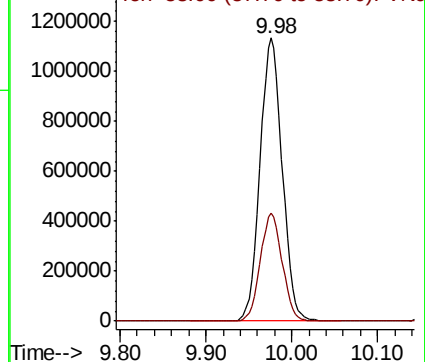
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.580 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion: 92 Resp: 660232

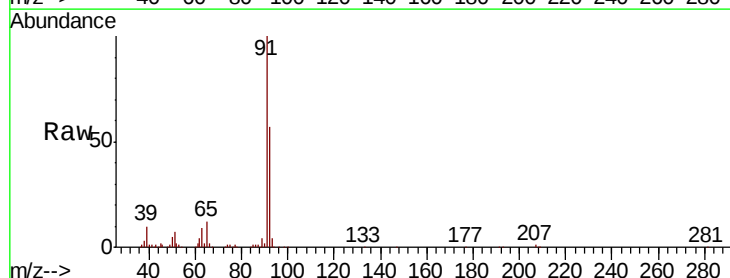
Ion Ratio Lower Upper

92 100

91 173.8

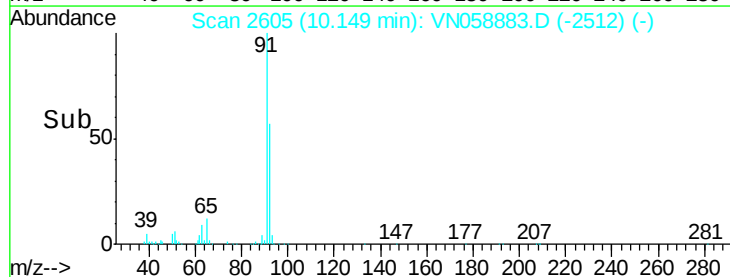
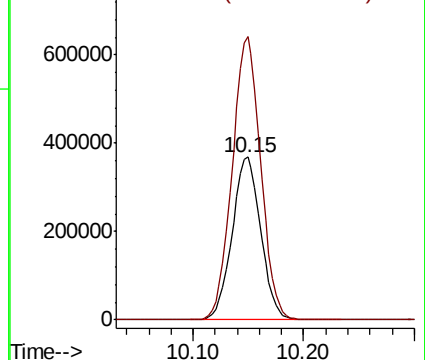
138.9

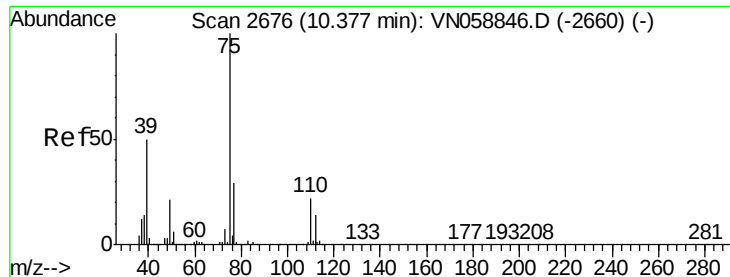
208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





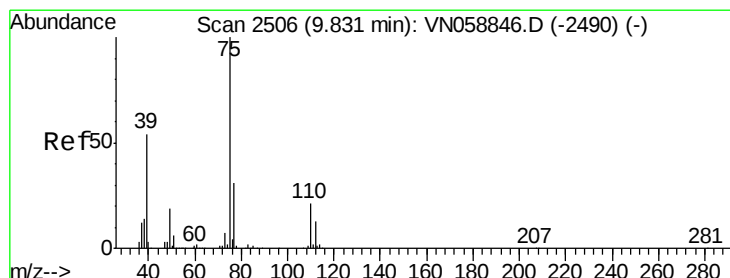
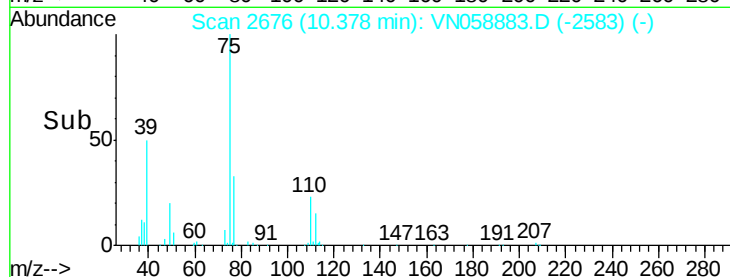
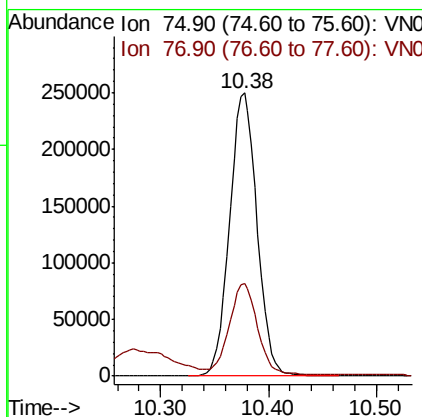
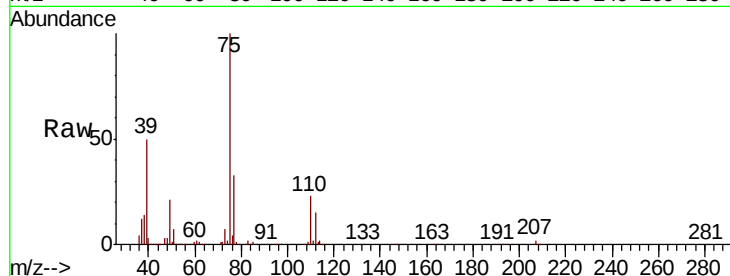
#53
t-1,3-Dichloropropene
Concen: 50.652 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.7	38.5

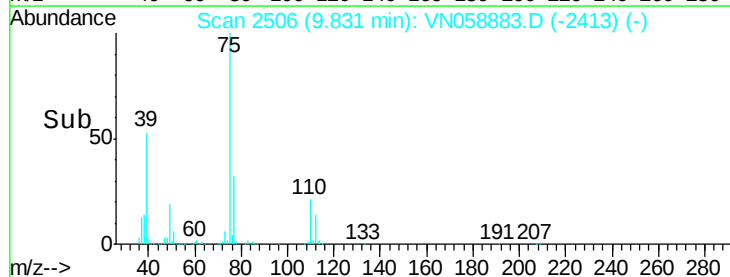
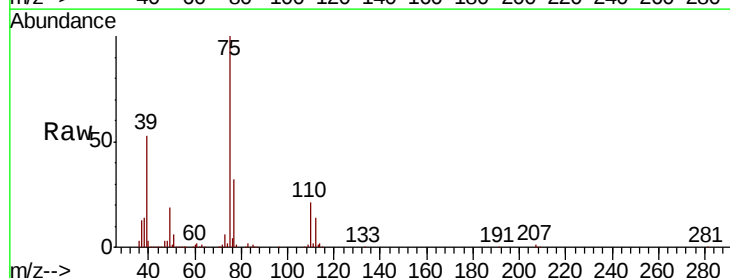
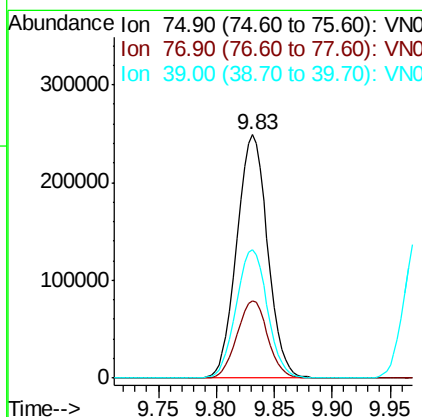
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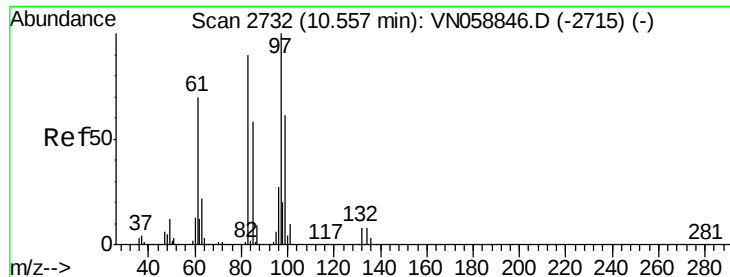
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#54
cis-1,3-Dichloropropene
Concen: 49.300 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.7	37.1
39	52.7	43.5	65.3





#55

1,1,2-Trichloroethane

Concen: 48.505 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

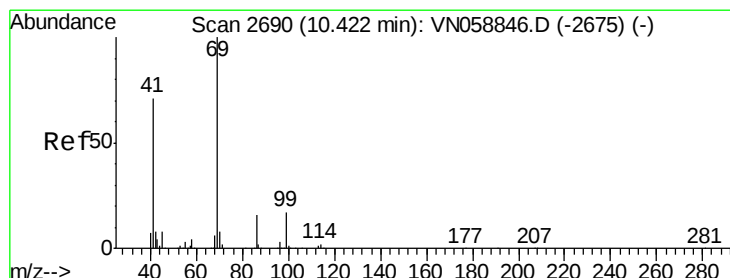
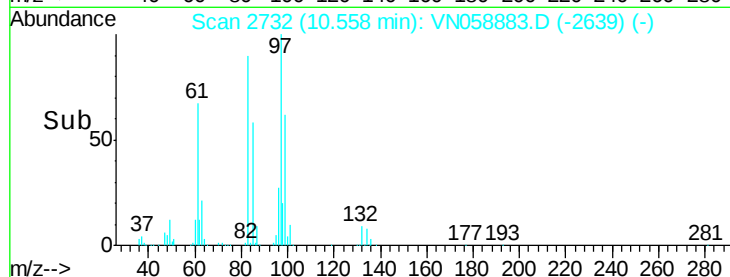
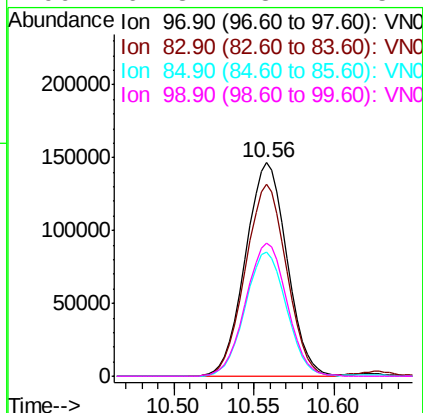
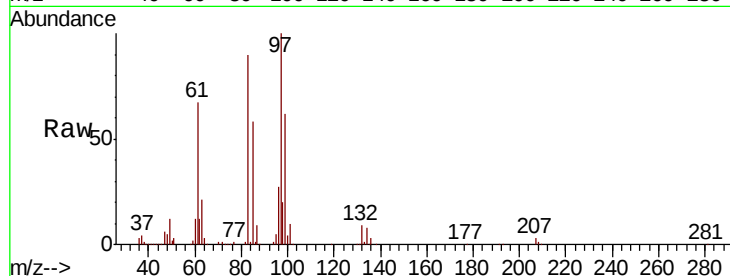
ClientSampleId :

FA19-MMW0422MSD

Tot Ion:	97	Resp:	260828
Ion	Ratio	Lower	Upper
97	100		
83	90.0	72.2	108.4
85	58.4	46.2	69.2
99	62.3	48.7	73.1

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#56

Ethyl methacrylate

Concen: 46.742 ug/l

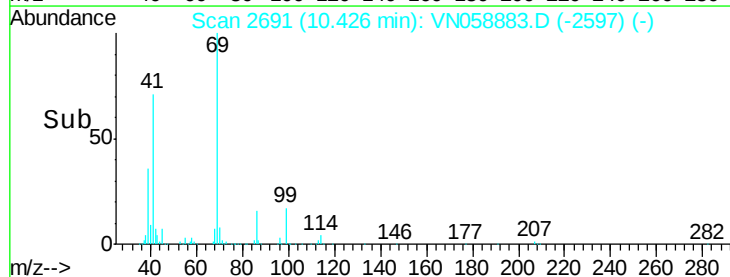
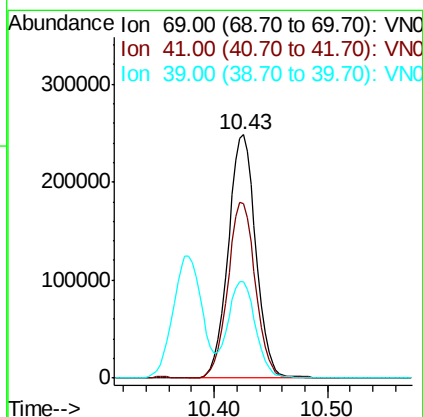
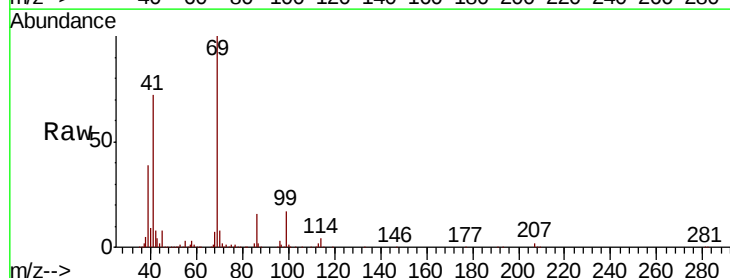
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion:	69	Resp:	420914
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.2	85.8
39	40.6	31.0	46.4





#57

1,3-Dichloropropane

Concen: 49.064 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 76 Resp: 463051

Ion Ratio Lower Upper

76 100

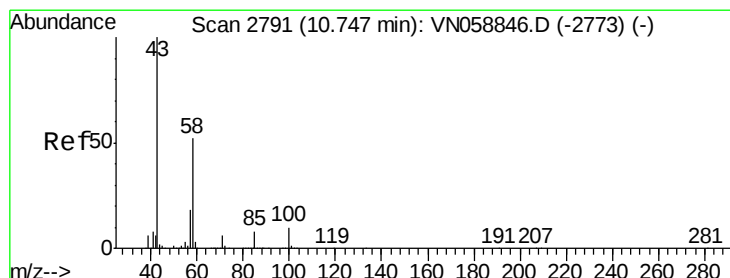
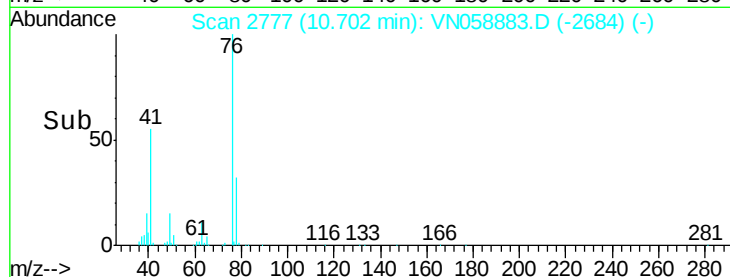
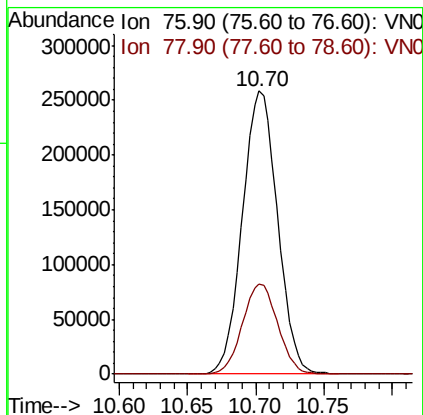
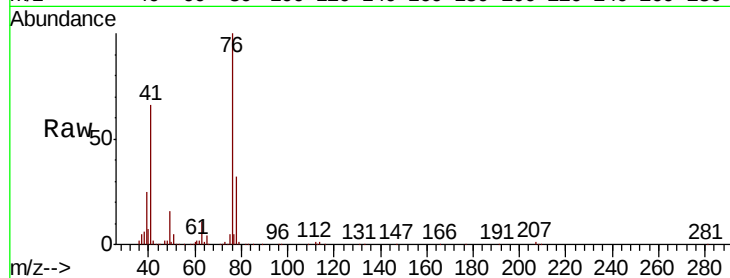
78 32.2 25.4 38.0

Manual Integrations

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#59

2-Hexanone

Concen: 259.042 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN058883.D

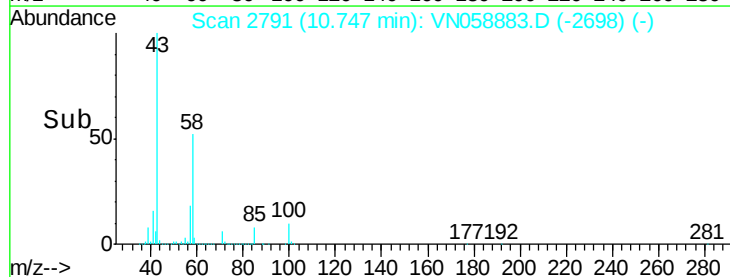
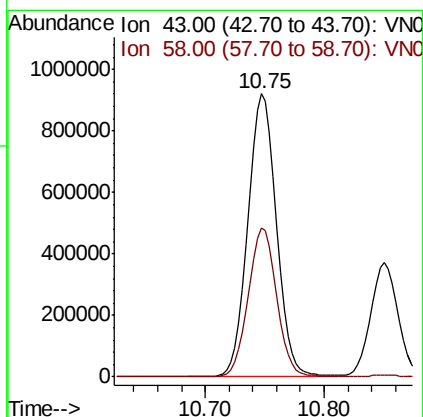
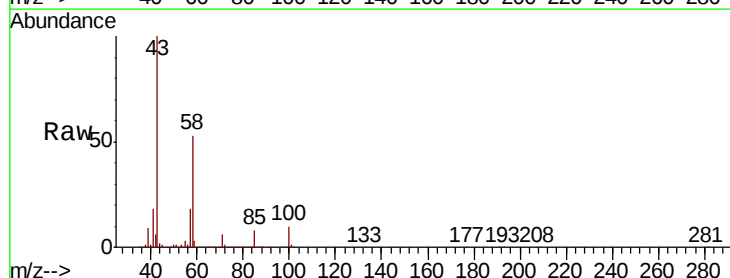
Acq: 21 Oct 2019 13:17

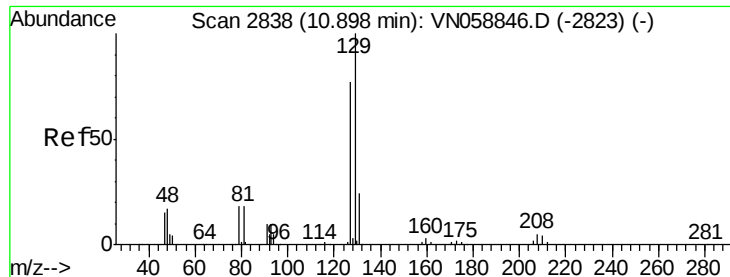
Tgt Ion: 43 Resp: 1531521

Ion Ratio Lower Upper

43 100

58 52.5 25.9 77.7





#60

Dibromochloromethane

Concen: 50.228 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion:129 Resp: 290717

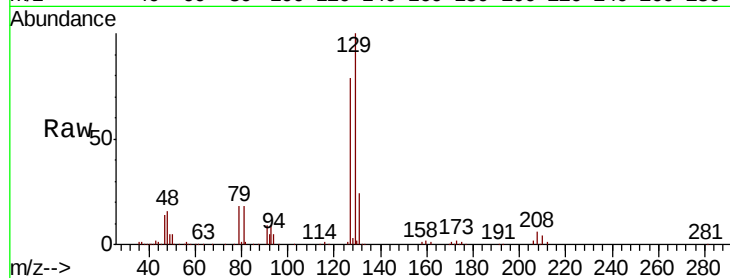
Ion Ratio Lower Upper

129 100

127 77.3 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

10.90

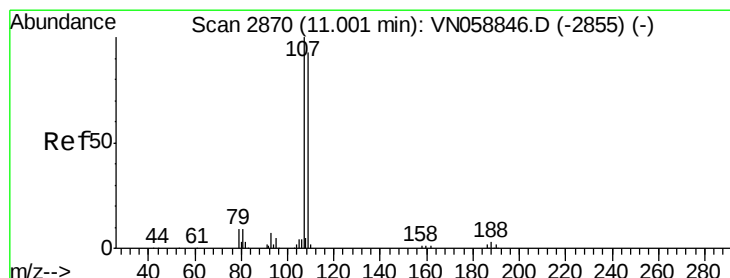
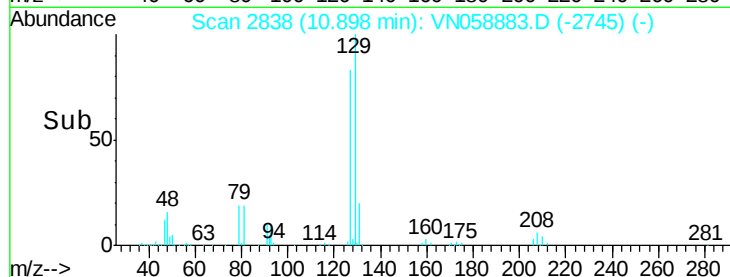
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 49.503 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN058883.D

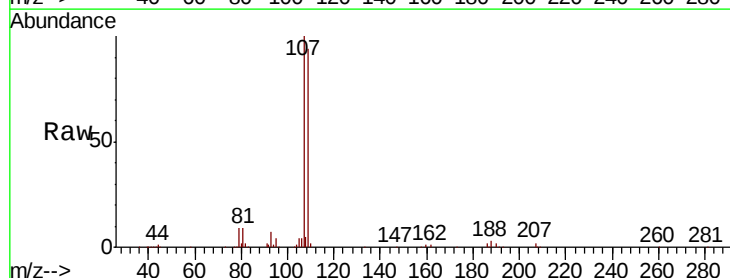
Acq: 21 Oct 2019 13:17

Tgt Ion:107 Resp: 272413

Ion Ratio Lower Upper

107 100

109 94.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

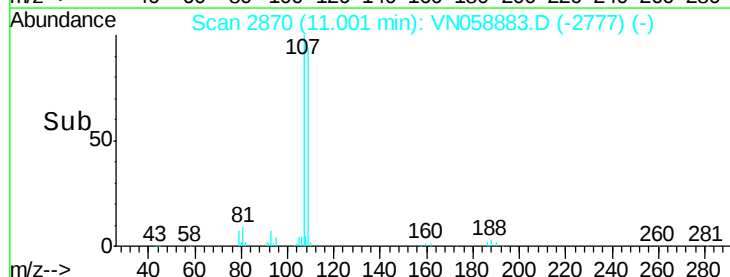
150000

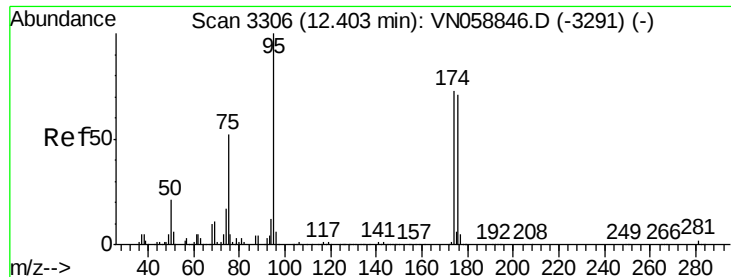
100000

50000

0

Time--> 10.90 10.95 11.00 11.05





#62

4-Bromofluorobenzene

Concen: 48.917 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

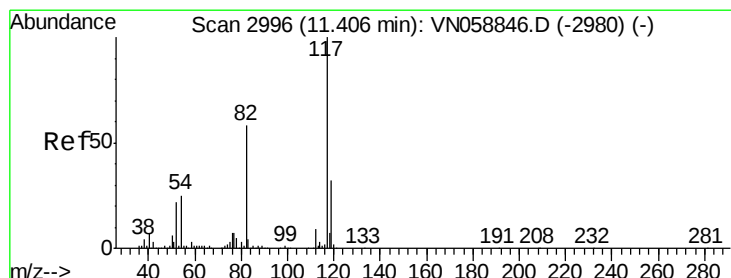
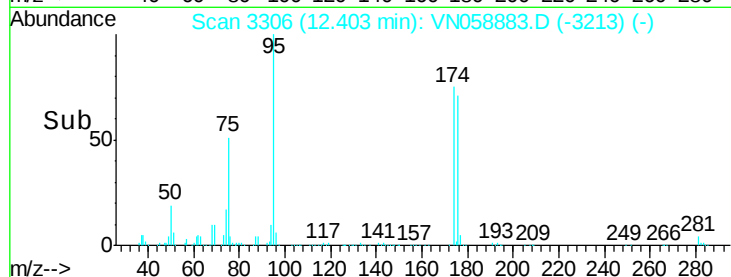
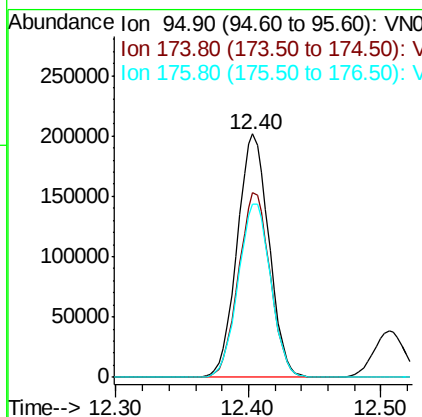
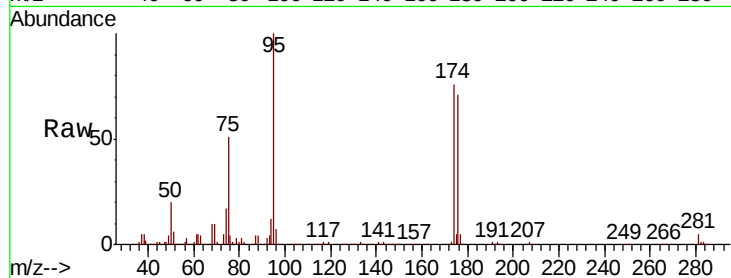
ClientSampleId :

FA19-MMW0422MSD

Tot Ion:	95	Resp:	335680
Ion Ratio	Lower	Upper	
95	100		
174	75.6	0.0	147.6
176	72.8	0.0	143.2

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

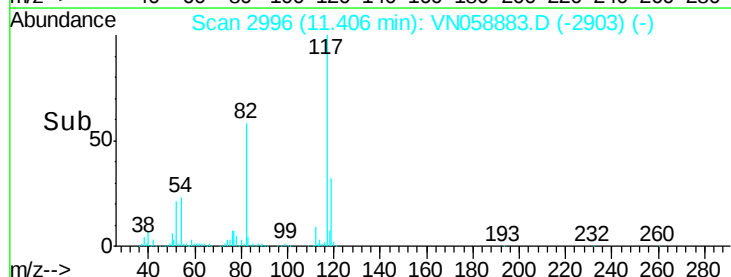
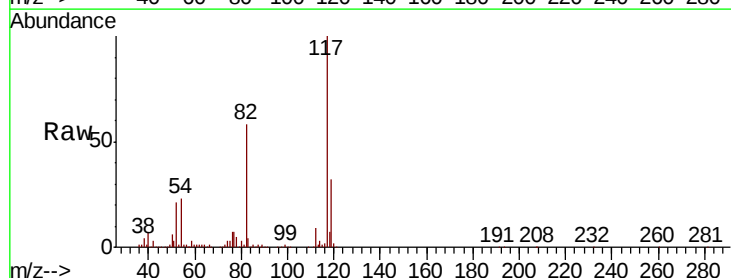
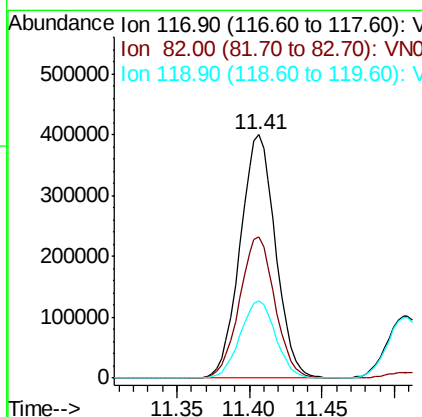
RT: 11.41 min Scan# 2996

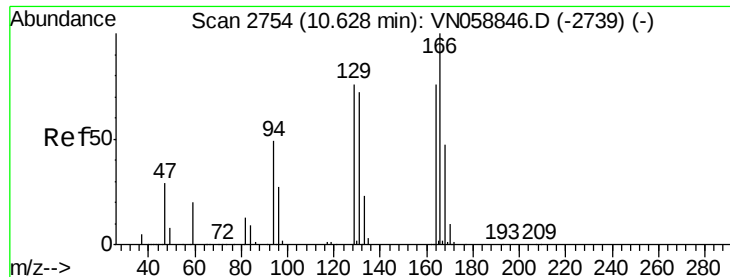
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion:	117	Resp:	677908
Ion Ratio	Lower	Upper	
117	100		
82	58.0	46.6	69.8
119	31.6	25.6	38.4





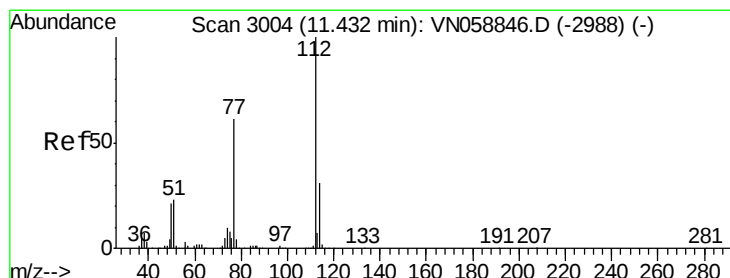
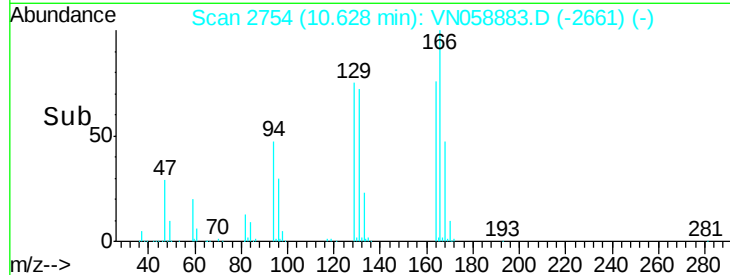
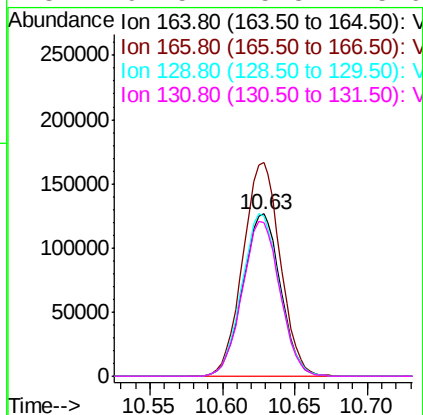
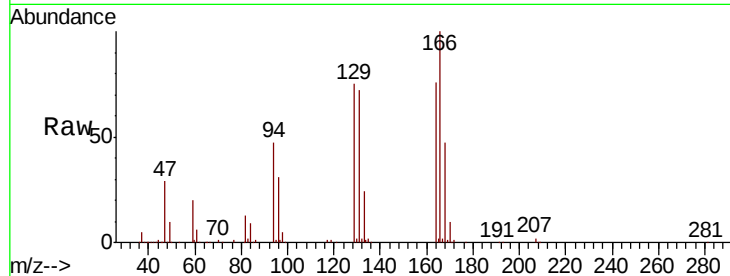
#64
Tetrachloroethene
Concen: 48.252 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.7	104.8	157.2
129	98.4	79.3	118.9
131	94.5	75.8	113.6

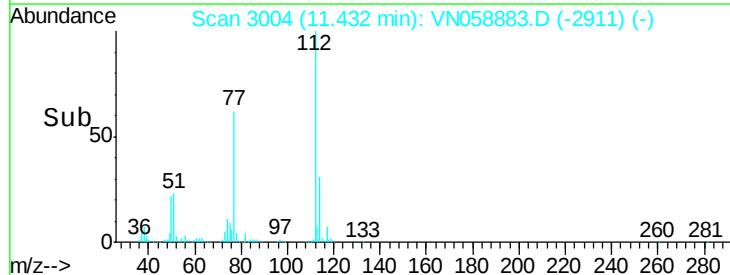
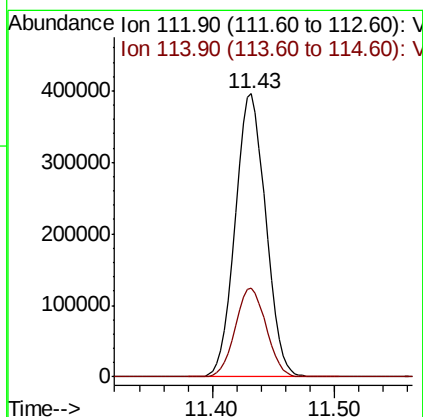
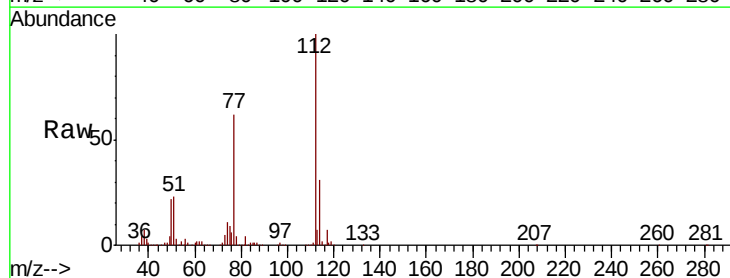
Manual Integrations
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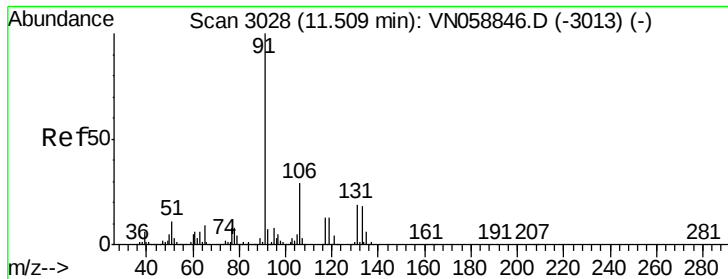
MMDadoda
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#65
Chlorobenzene
Concen: 49.715 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 50.748 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

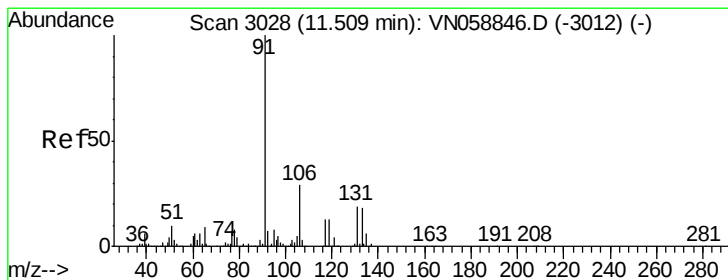
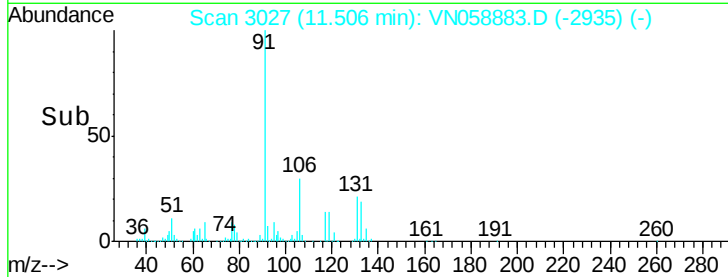
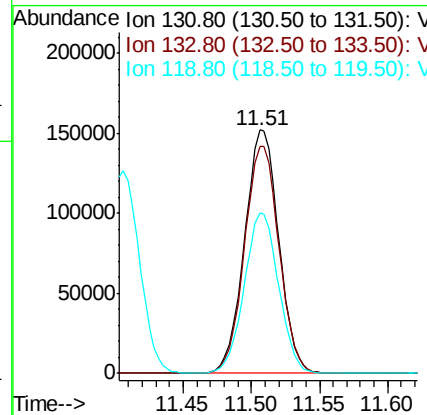
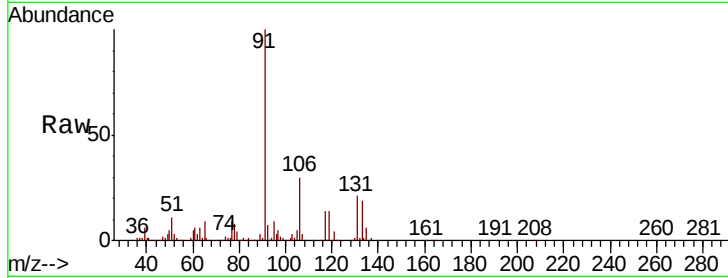
ClientSampleId :

FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.2	48.4	145.2
119	66.3	33.6	100.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 52.792 ug/l

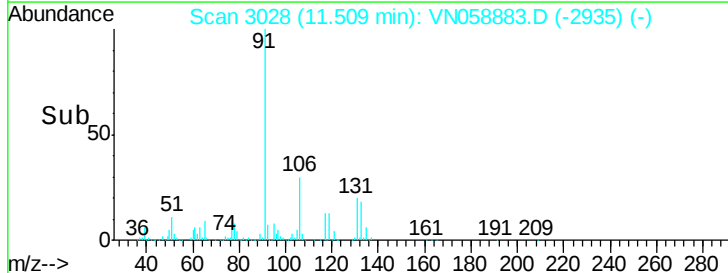
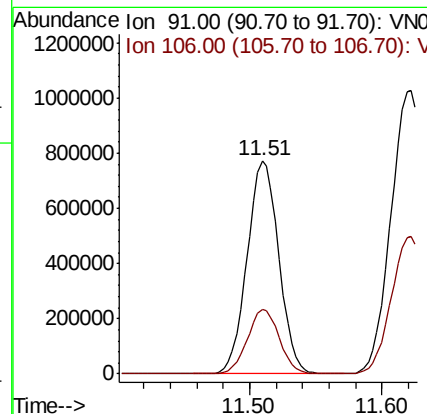
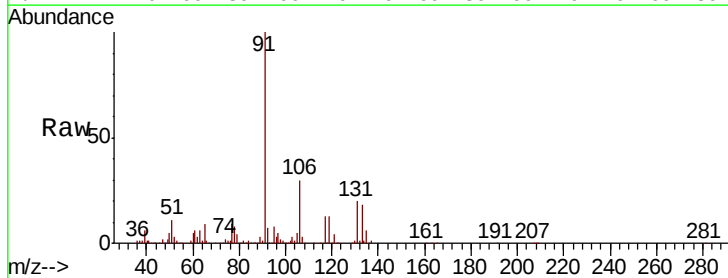
RT: 11.51 min Scan# 3028

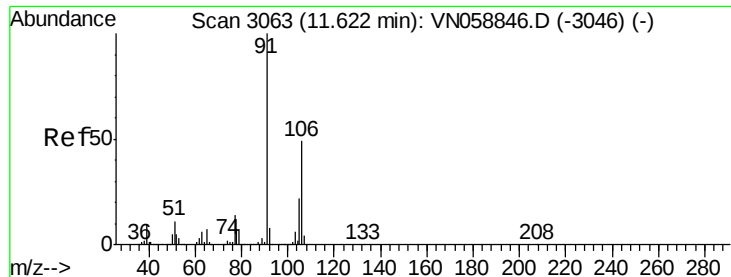
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.4	35.0





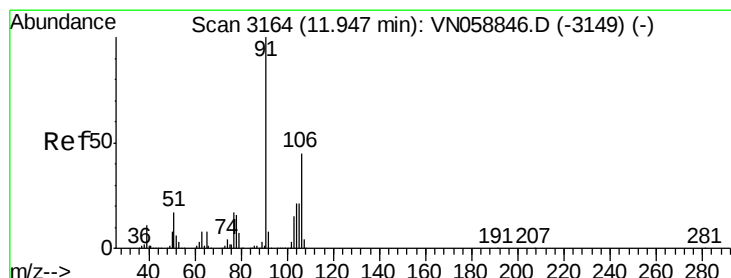
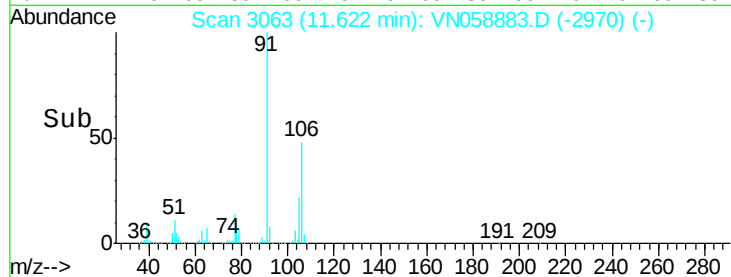
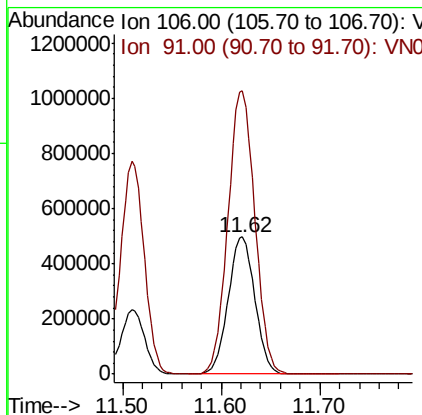
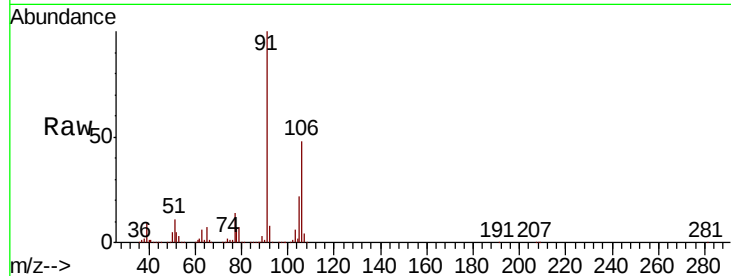
#68
m/p-Xylenes
Concen: 104.504 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion:106 Resp: 938281
Ion Ratio Lower Upper
106 100
91 208.9 166.6 249.8

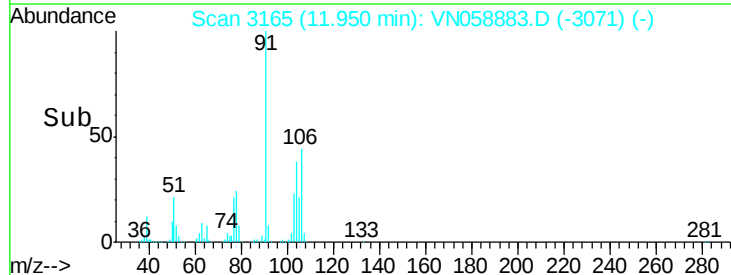
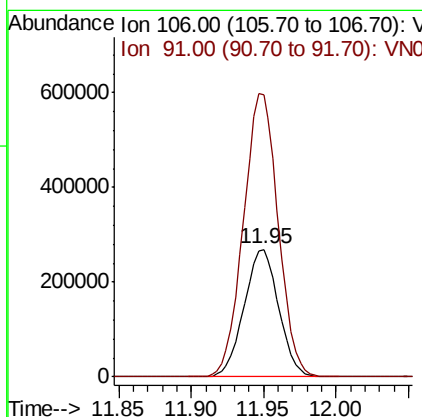
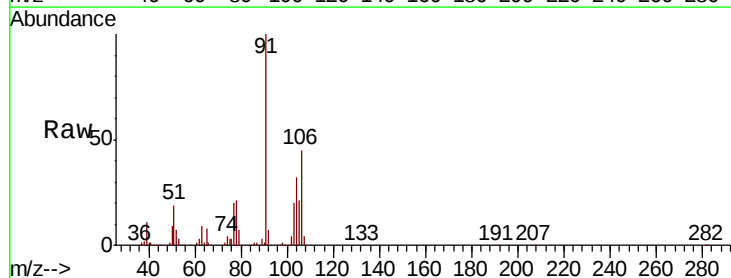
Manual Integrations
APPROVED

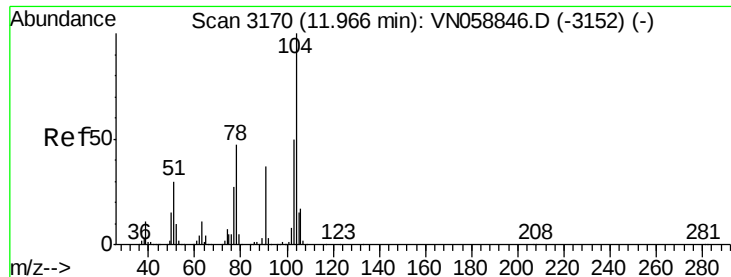
MMDadoda
10/22/2019 4:55:33 PM



#69
o-Xylene
Concen: 52.310 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion:106 Resp: 447933
Ion Ratio Lower Upper
106 100
91 222.7 111.5 334.4





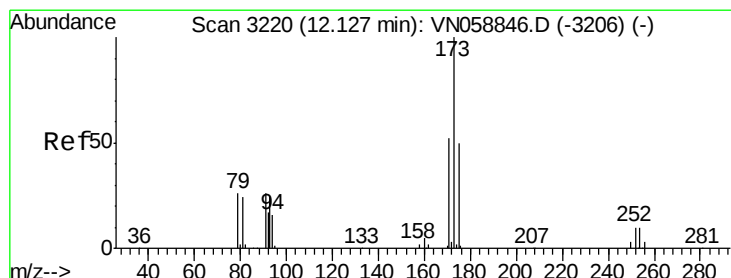
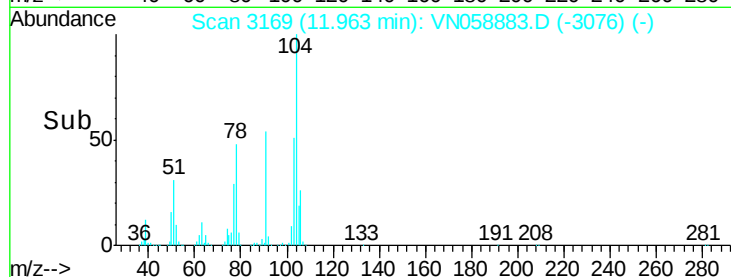
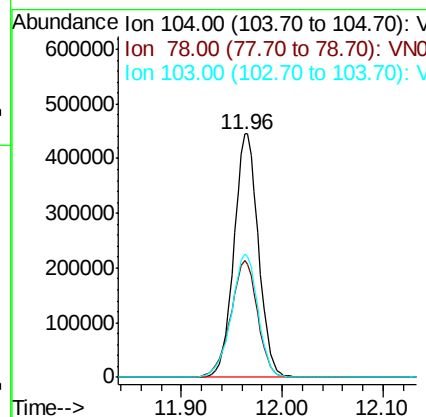
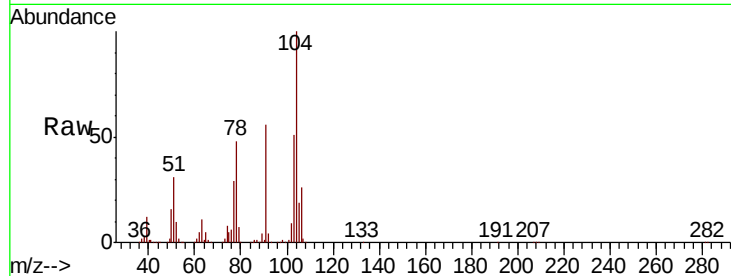
#70
Stvrene
Concen: 47.733 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.8	64.2
103	54.9	44.3	66.5

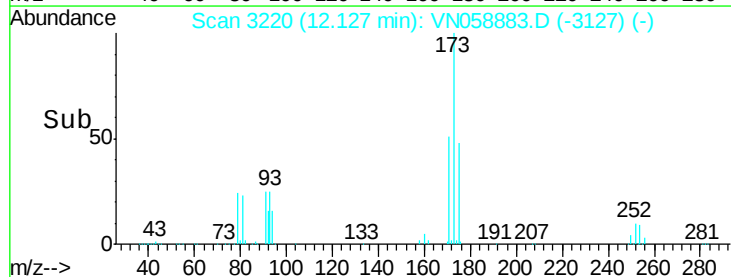
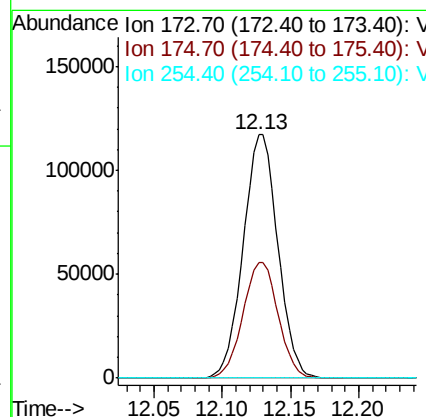
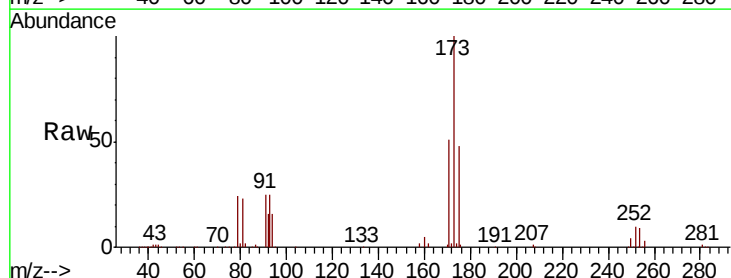
Manual Integrations
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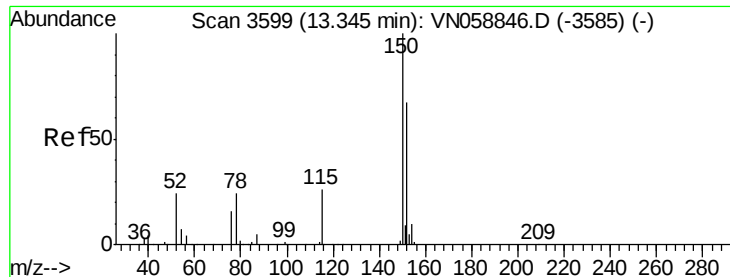
MMDadoda
10/22/2019 4:55:33 PM



#71
Bromoform
Concen: 51.170 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	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# 3600

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

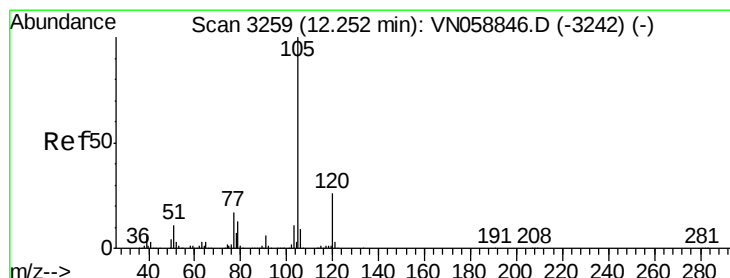
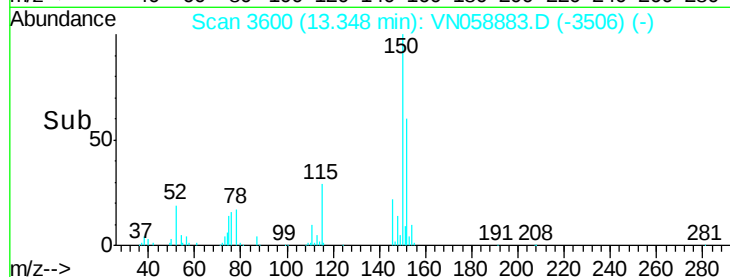
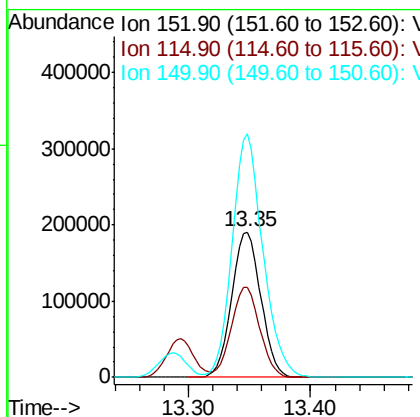
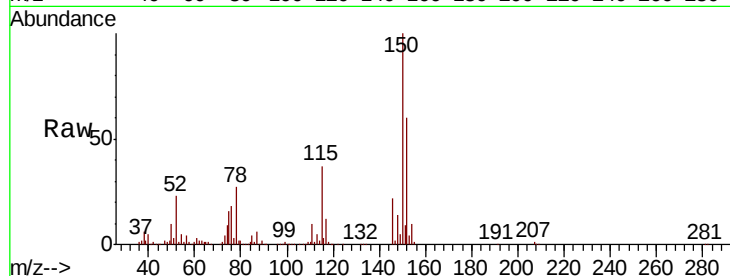
ClientSampleId :

FA19-MMW0422MSD

Tot Ion:	152	Resp:	316146
Ion Ratio	Lower	Upper	
152	100		
115	61.2	30.5	91.5
150	176.5	0.0	344.4

Manual Integrations
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#73

Isopropylbenzene

Concen: 53.062 ug/l

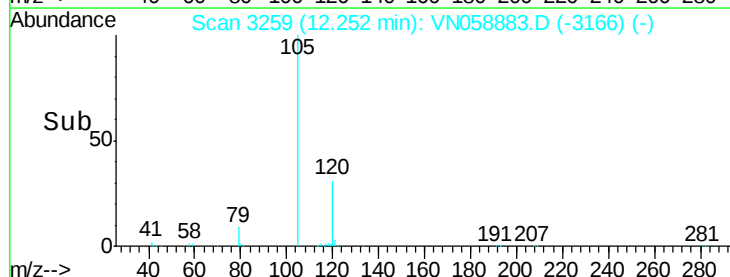
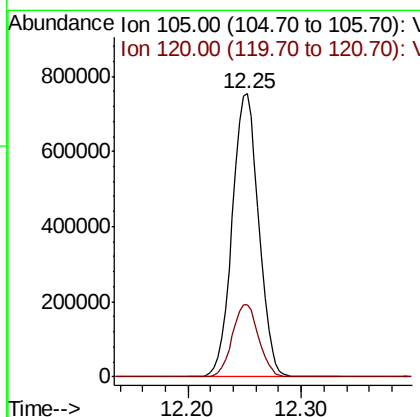
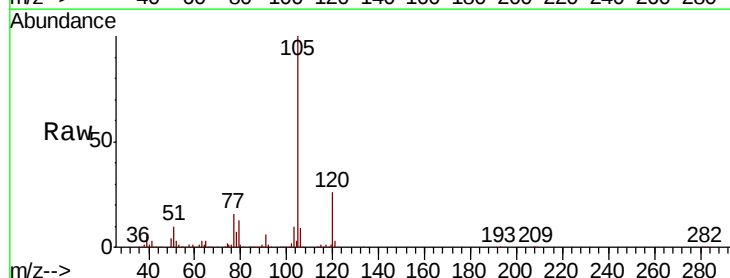
RT: 12.25 min Scan# 3259

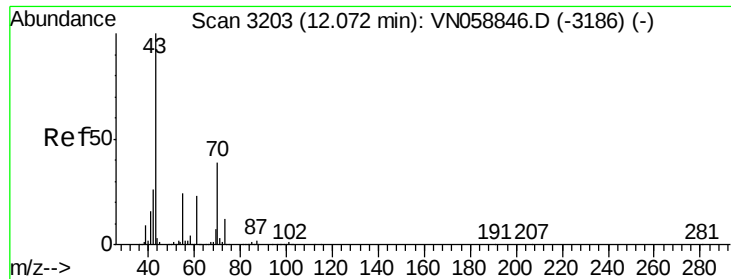
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion:	105	Resp:	1225957
Ion Ratio	Lower	Upper	
105	100		
120	25.6	12.8	38.4





#74

N-amvl acetate

Concen: 55.543 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

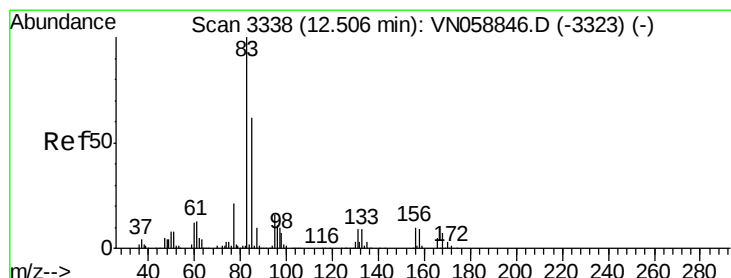
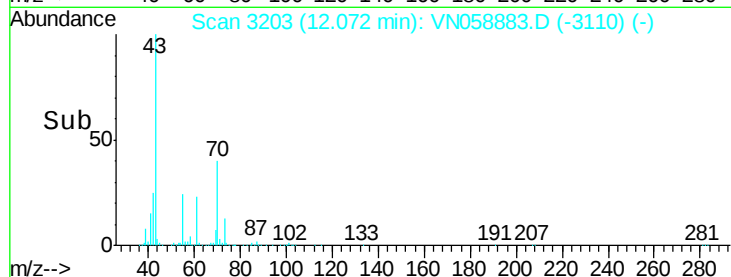
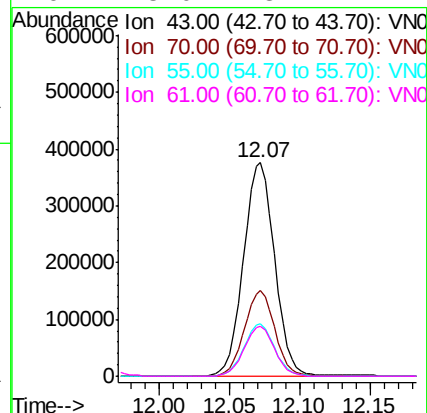
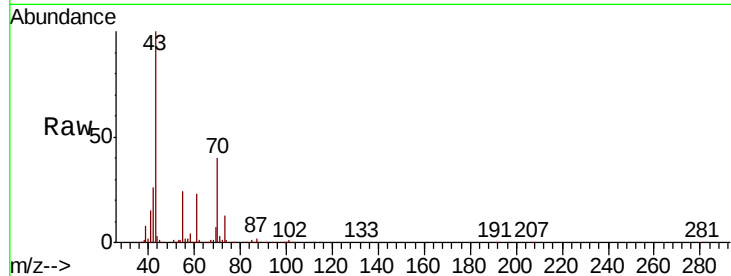
ClientSampleId :

FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.4	30.9	46.3
55	24.2	19.7	29.5
61	23.0	18.2	27.4

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.563 ug/l

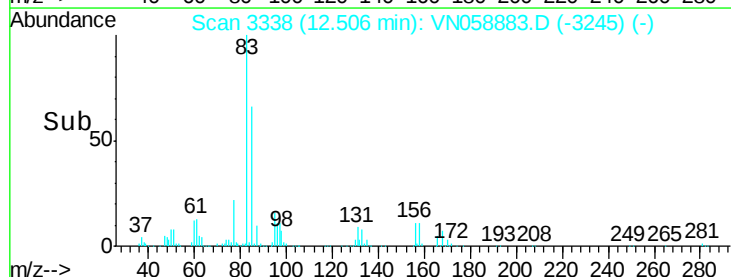
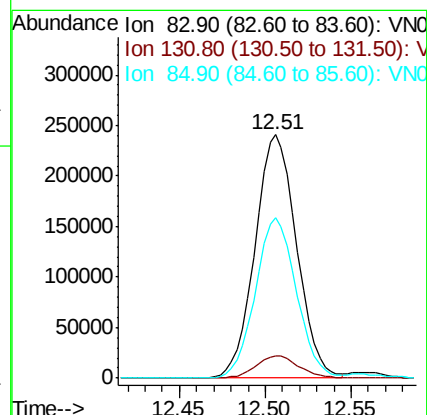
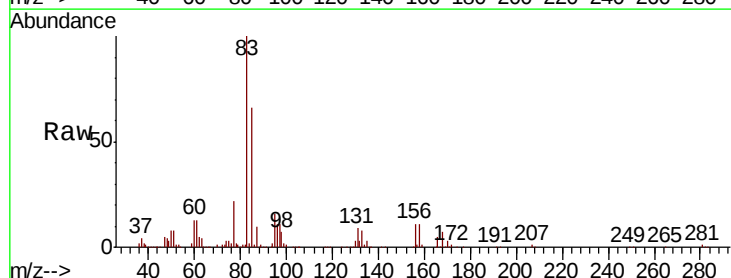
RT: 12.51 min Scan# 3338

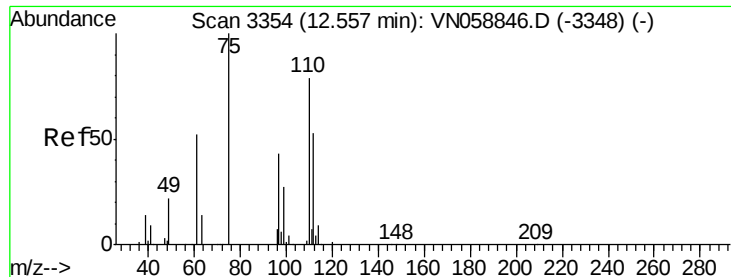
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	65.0	31.7	95.1





#76

1,2,3-Trichloropropane

Concen: 48.185 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 75 Resp: 353052

Ion Ratio Lower Upper

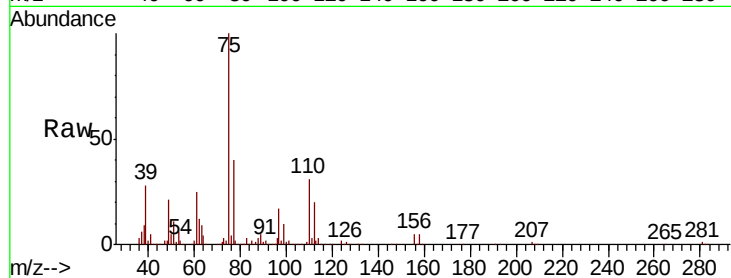
75 100

77 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

300000

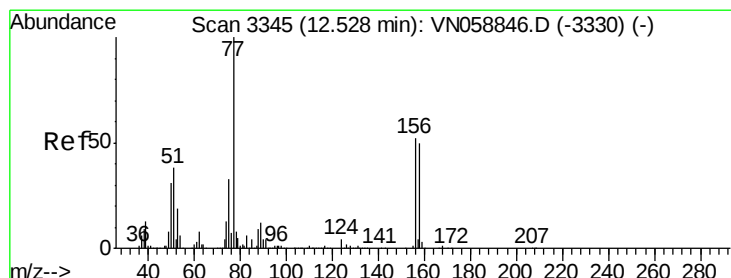
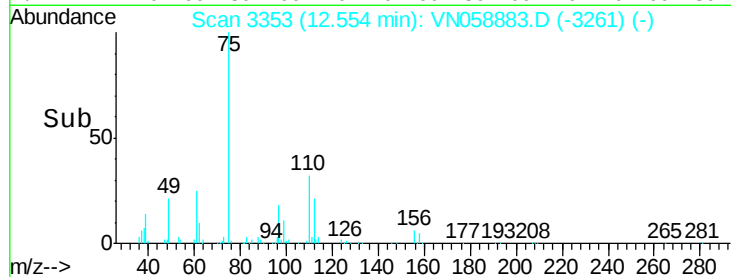
200000

100000

0

12.55

Time-->



#77

Bromobenzene

Concen: 50.602 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

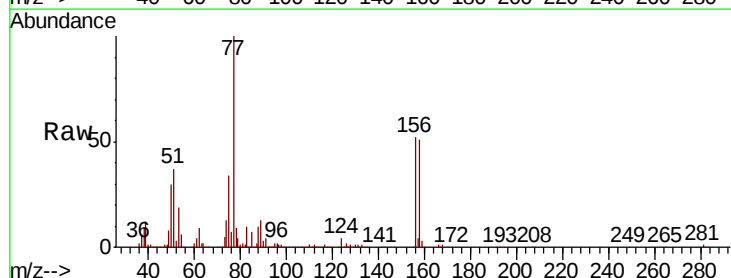
Tgt Ion: 156 Resp: 288169

Ion Ratio Lower Upper

156 100

77 232.7 118.0 354.0

158 98.6 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

400000

300000

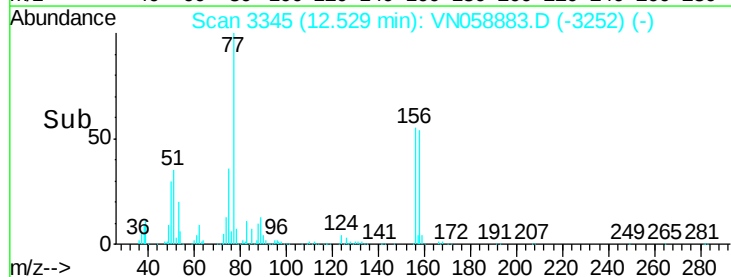
200000

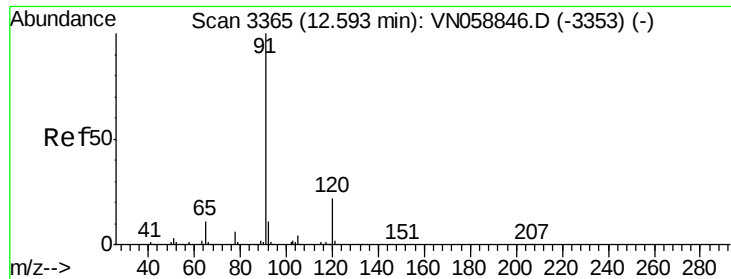
100000

0

12.53

Time-->





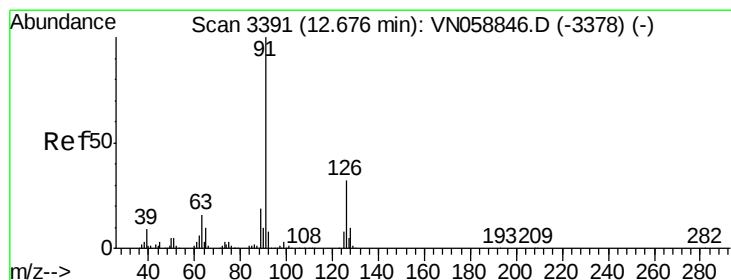
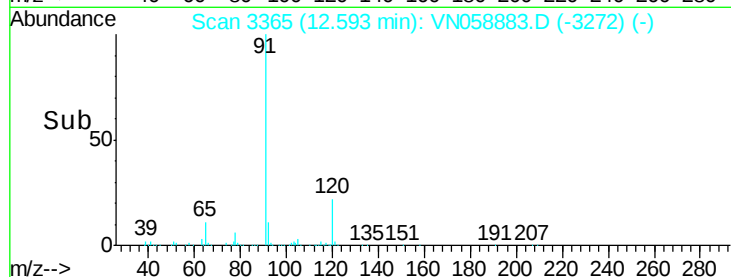
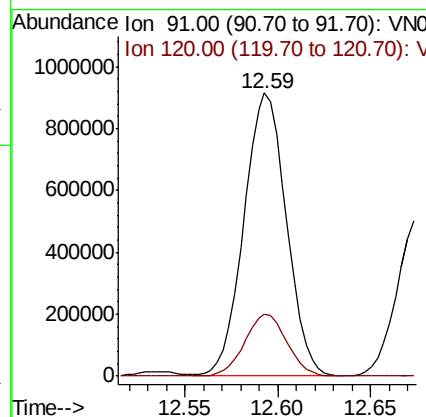
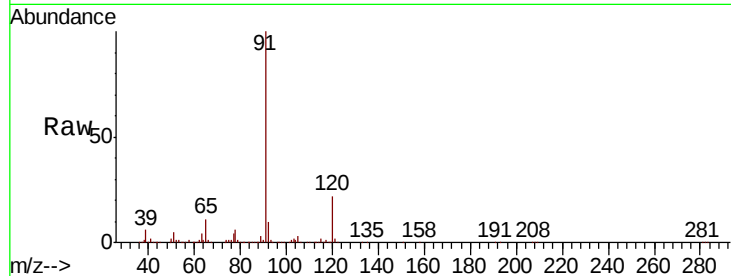
#78
n-propylbenzene
Concen: 52.824 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion: 91 Resp: 1442646
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.1

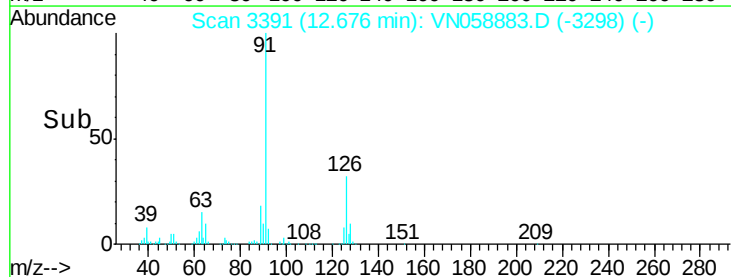
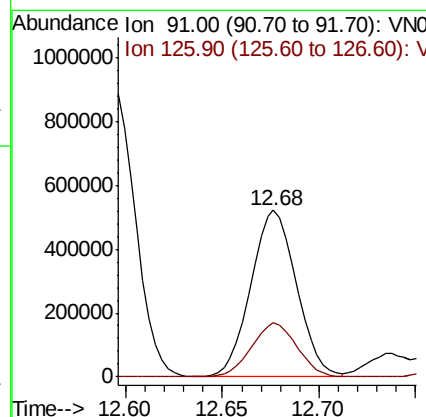
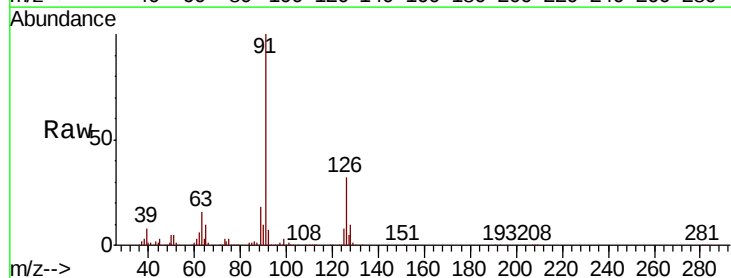
Manual Integrations
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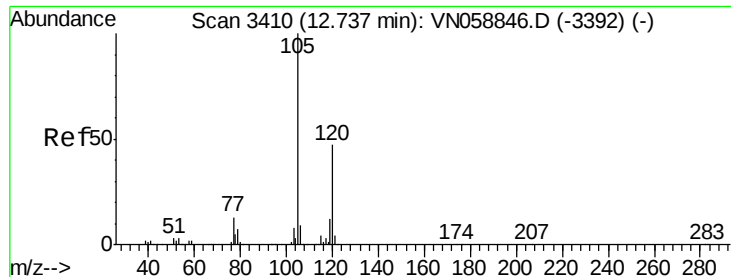
MMDadoda
10/22/2019 4:55:33 PM



#79
2-Chlorotoluene
Concen: 51.001 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion: 91 Resp: 852477
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.6





#80

1,3,5-Trimethylbenzene

Concen: 53.801 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion:105 Resp: 1044375

Ion Ratio Lower Upper

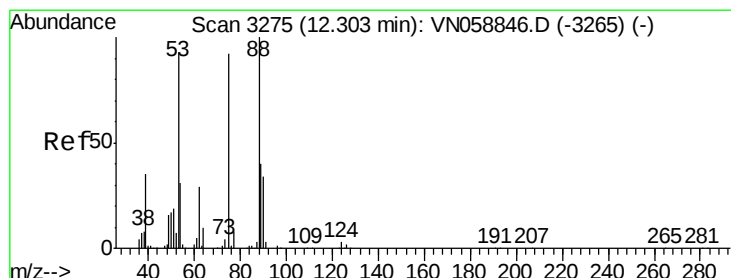
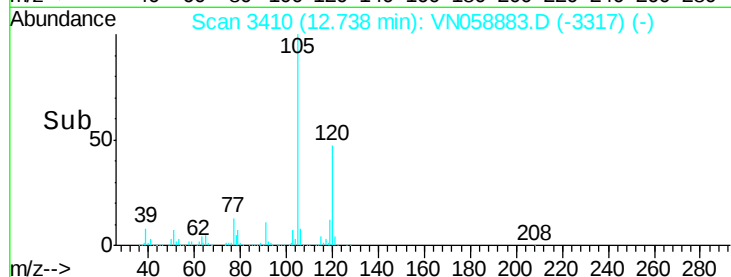
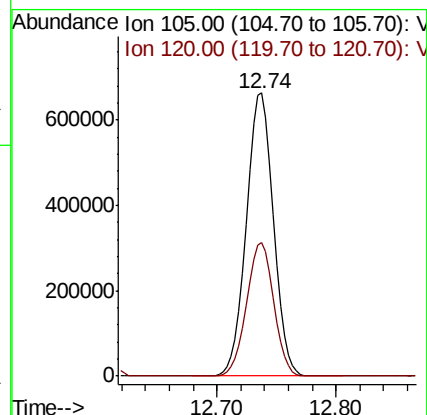
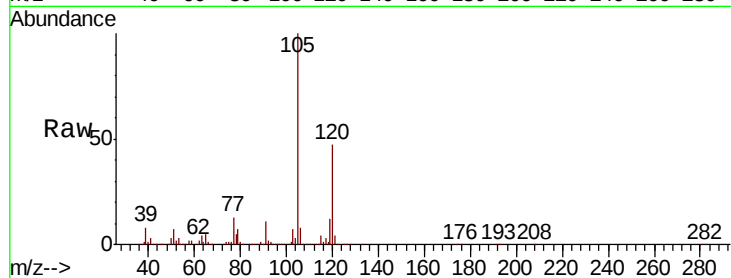
105 100

120 47.4 23.8 71.5

Manual Integrations
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#81

trans-1,4-Dichloro-2-butene

Concen: 52.079 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

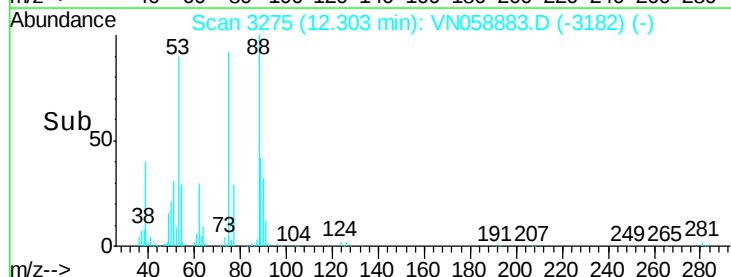
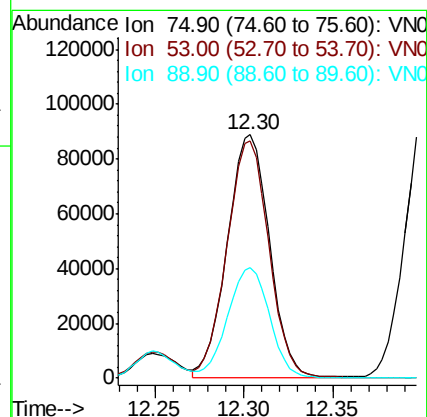
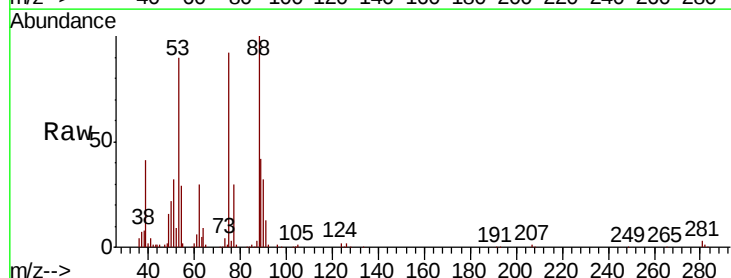
Tgt Ion: 75 Resp: 146476

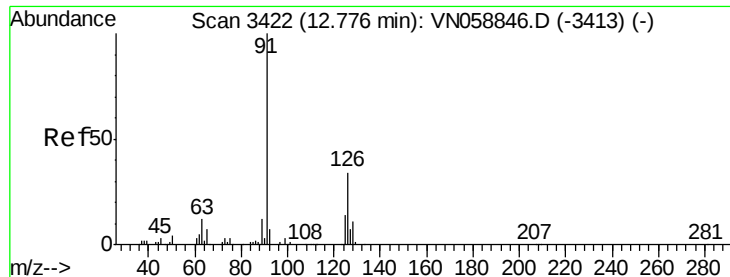
Ion Ratio Lower Upper

75 100

53 97.4 78.6 118.0

89 45.5 35.4 53.0





#82

4-Chlorotoluene

Concen: 51.476 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

FA19-MMW0422MSD

Tot Ion: 91 Resp: 879285

Ion Ratio Lower Upper

91 100

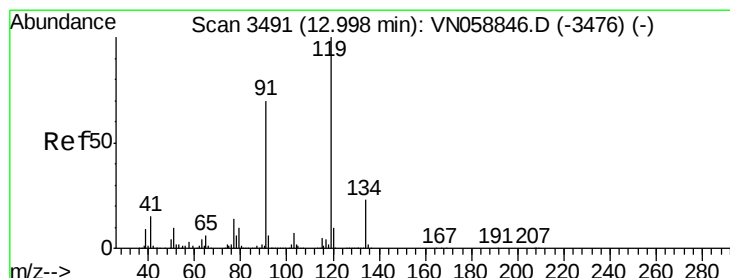
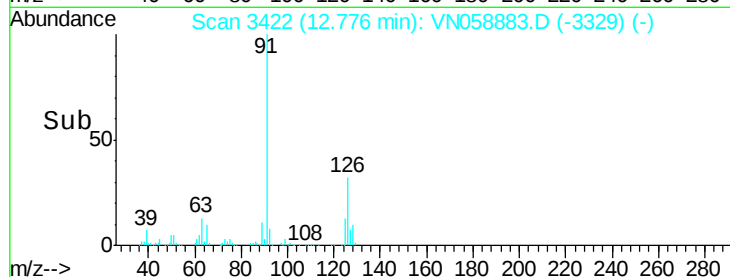
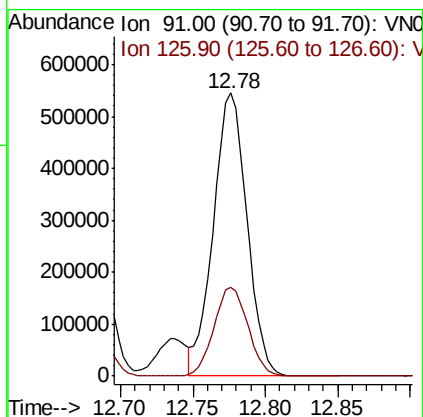
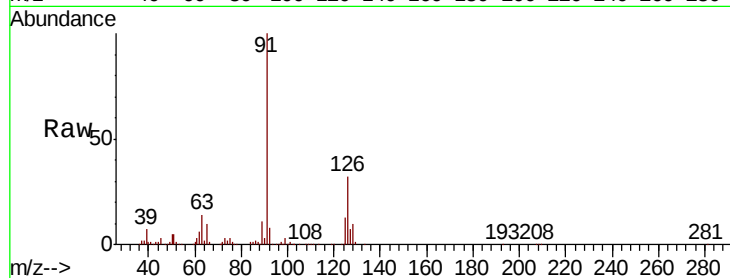
126 32.0 16.0 47.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.433 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

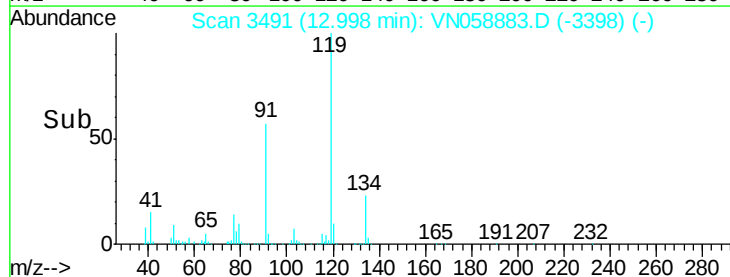
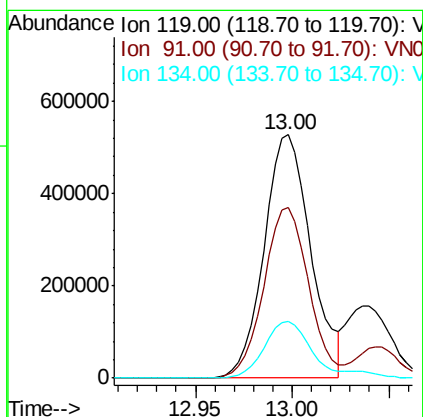
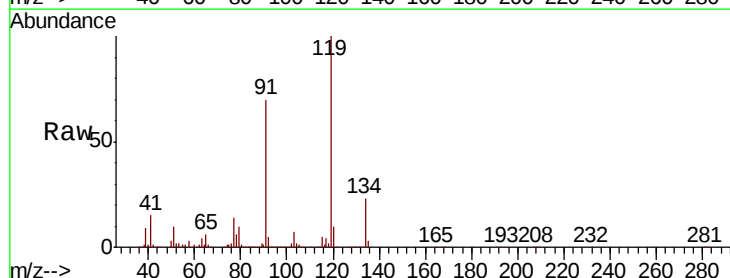
Tgt Ion: 119 Resp: 886968

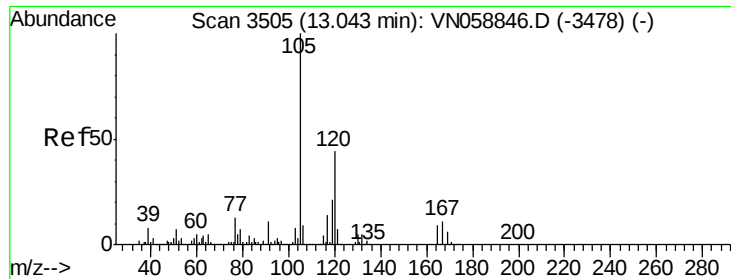
Ion Ratio Lower Upper

119 100

91 67.4 34.1 102.3

134 22.9 11.6 34.8





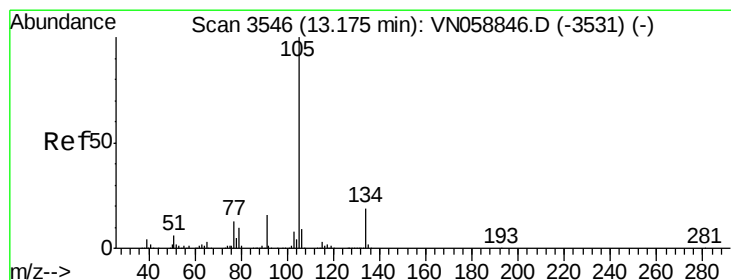
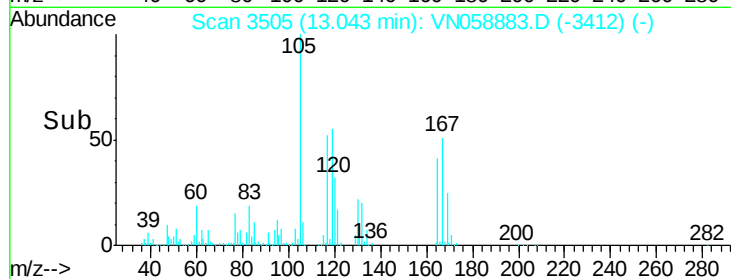
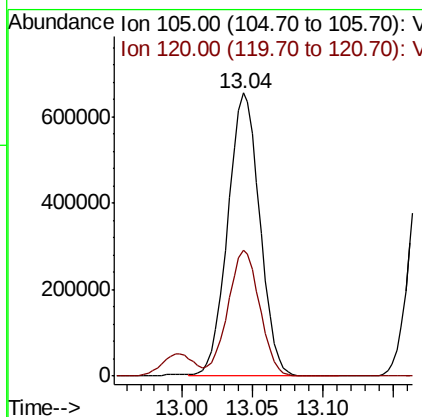
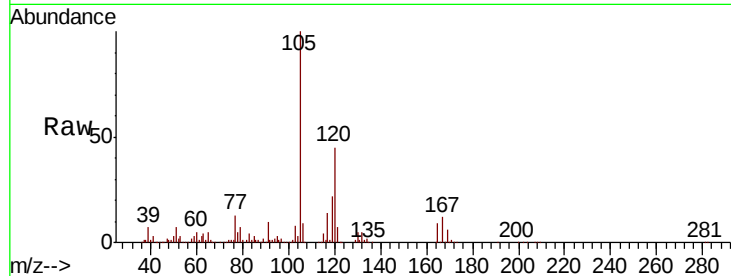
#84
 1,2,4-Trimethylbenzene
 Concen: 54.251 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Tot Ion:105 Resp: 1038740
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.8

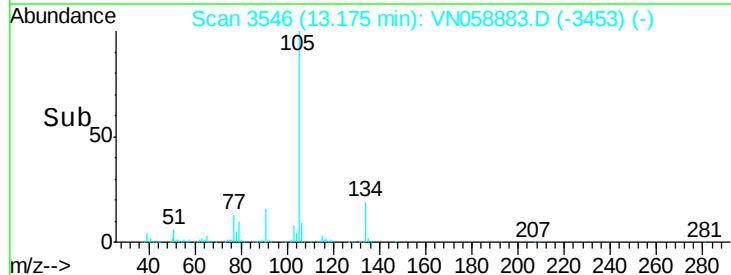
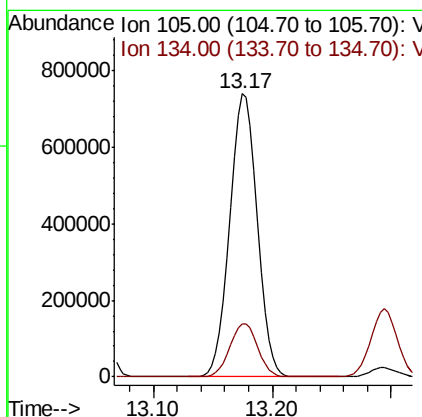
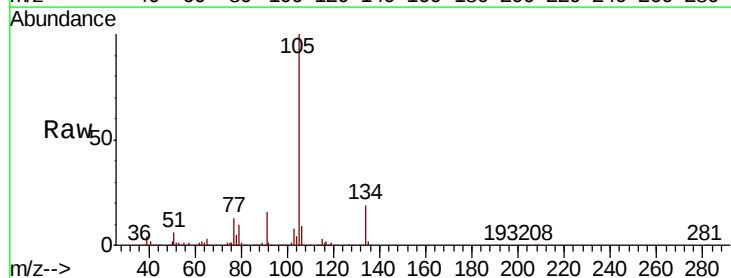
Manual Integrations
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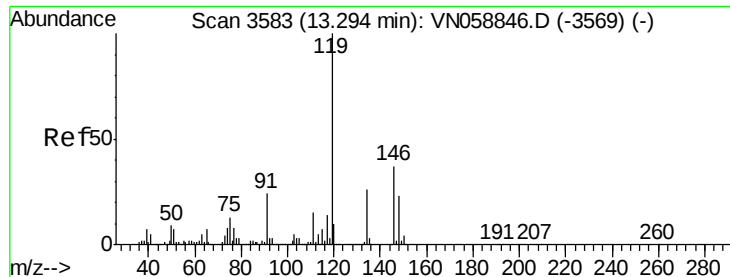
MMDadoda
 10/22/2019 4:55:33 PM



#85
 sec-Butylbenzene
 Concen: 53.367 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Tgt Ion:105 Resp: 1181093
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.4 28.2





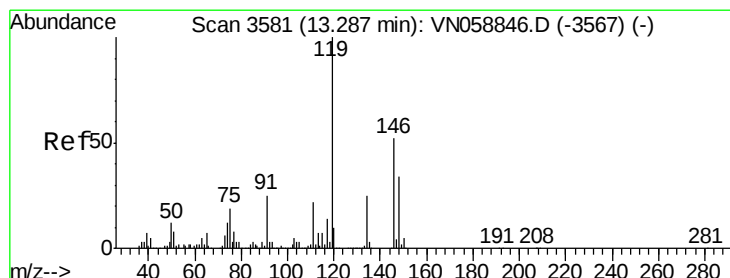
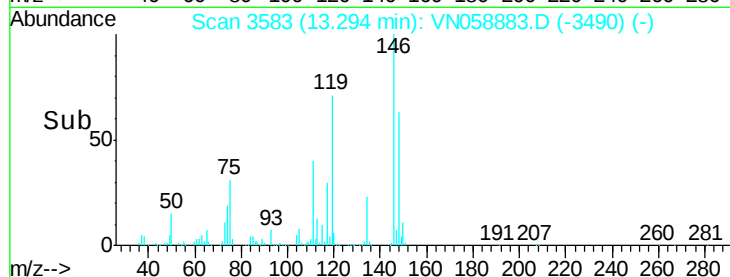
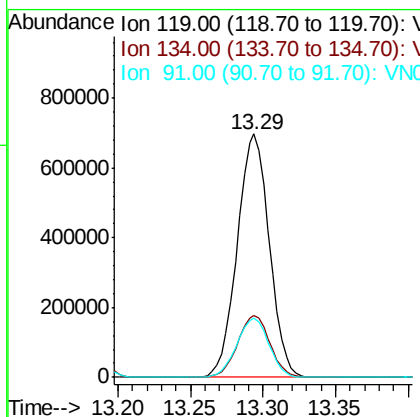
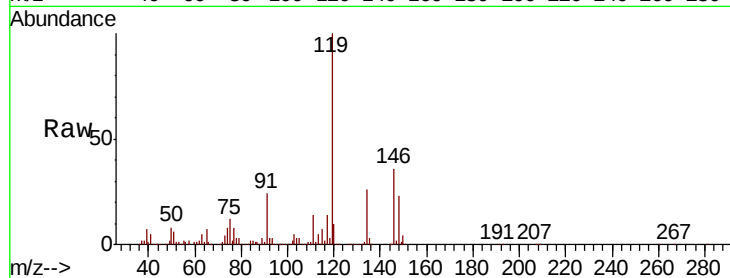
#86
p-Isopropyltoluene
Concen: 54.545 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.8	38.4
91	24.3	12.2	36.4

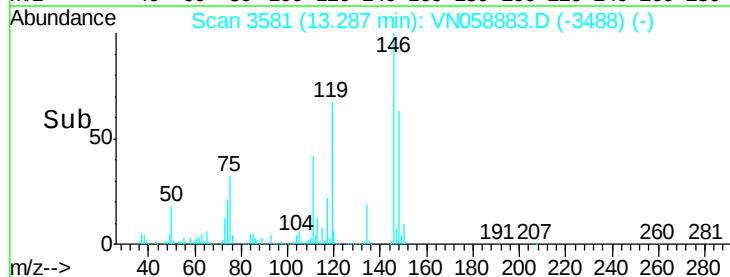
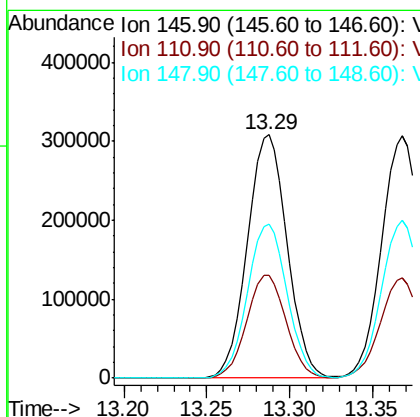
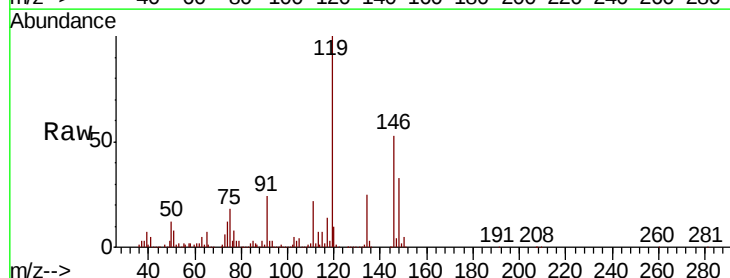
Manual Integrations
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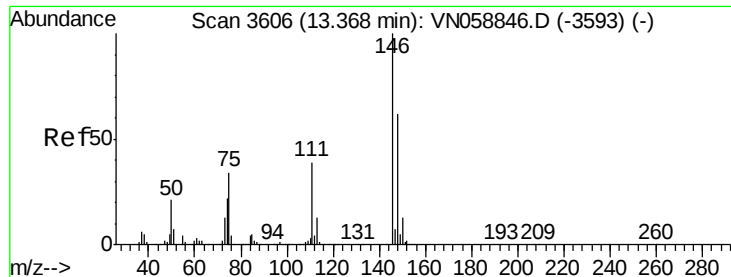
MMDadoda
10/22/2019 4:55:33 PM



#87
1,3-Dichlorobenzene
Concen: 50.694 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.2	32.1	96.3





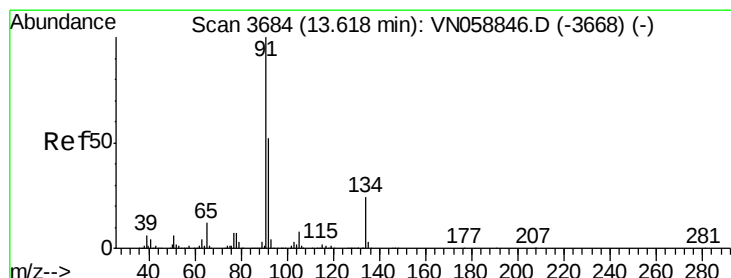
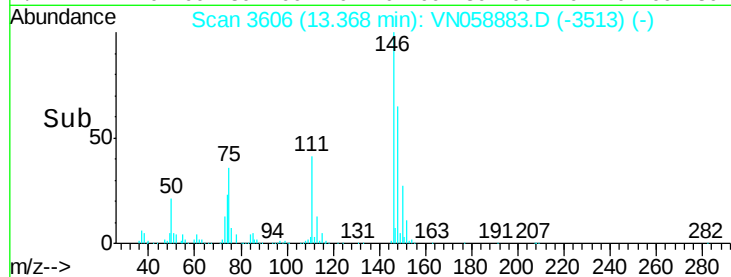
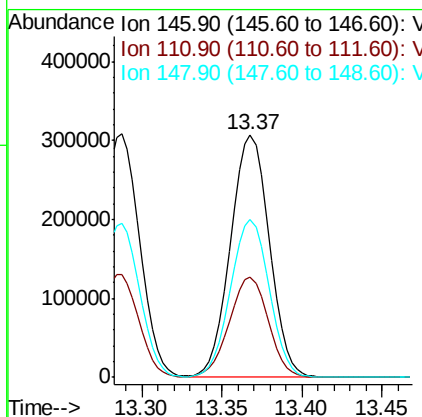
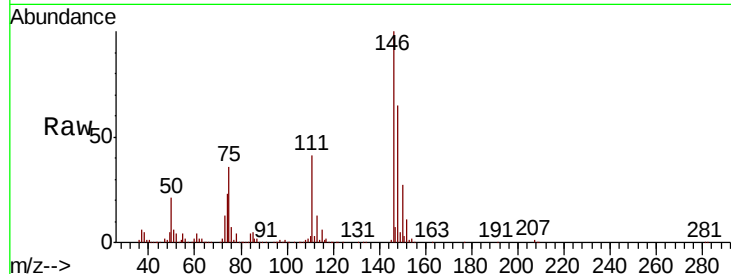
#88
 1,4-Dichlorobenzene
 Concen: 49.682 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.6
148	65.1	31.6	94.7

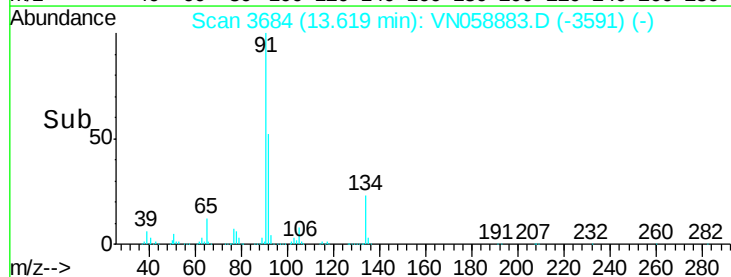
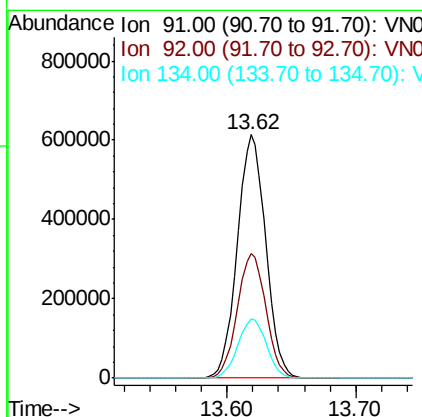
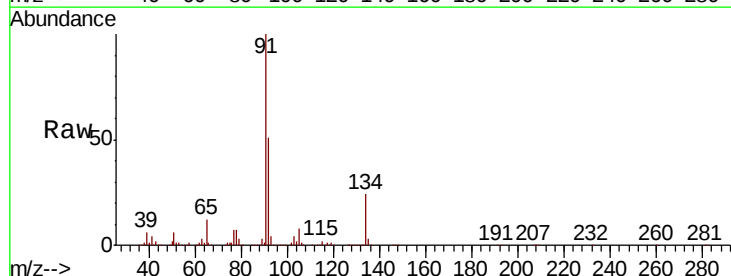
Manual Integrations
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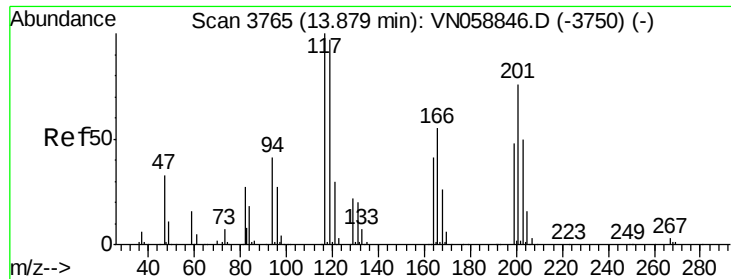
MMDadoda
 10/22/2019 4:55:33 PM



#89
 n-Butylbenzene
 Concen: 52.392 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.7	77.1
134	24.6	11.9	35.5





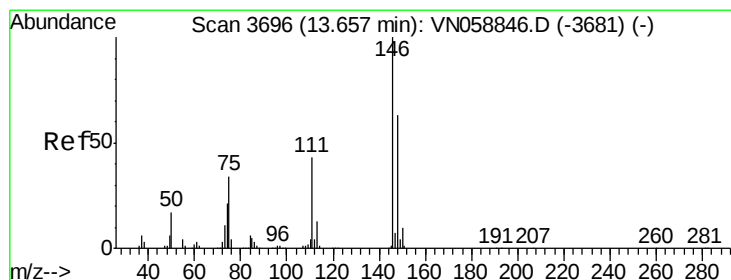
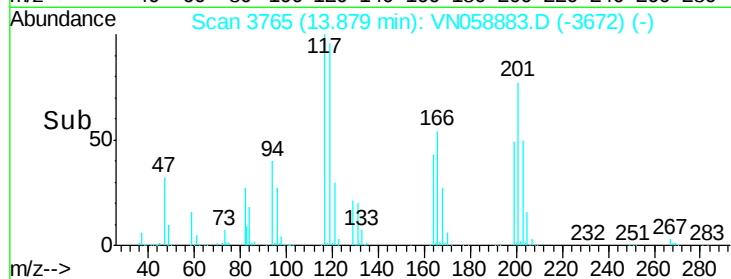
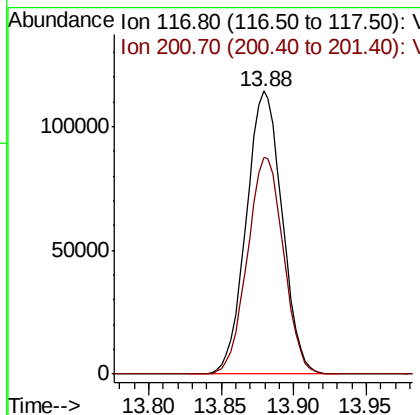
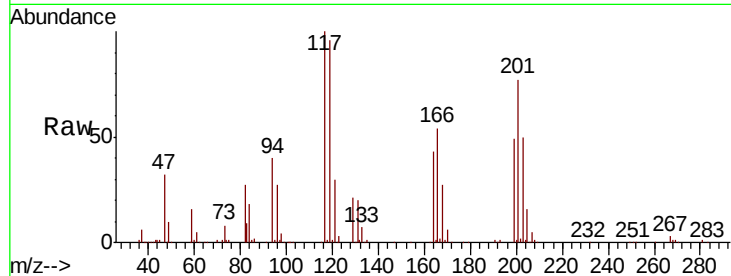
#90
Hexachloroethane
Concen: 49.818 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :
FA19-MMW0422MSD

Tot Ion:117 Resp: 197129
Ion Ratio Lower Upper
117 100
201 77.0 38.9 116.6

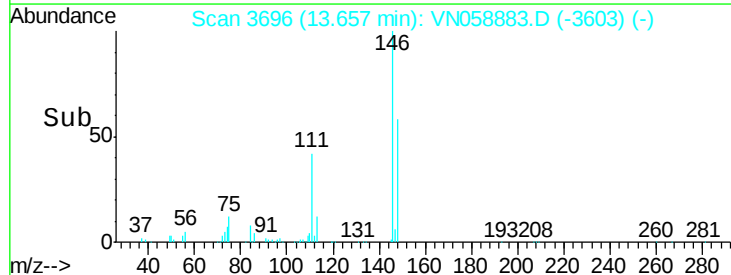
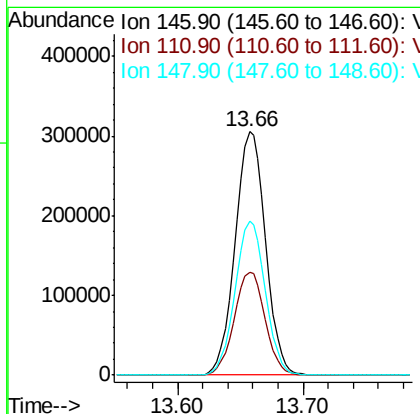
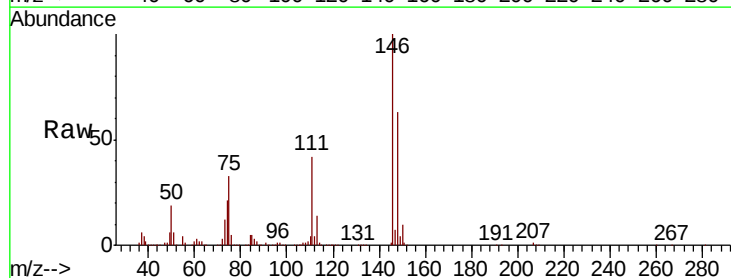
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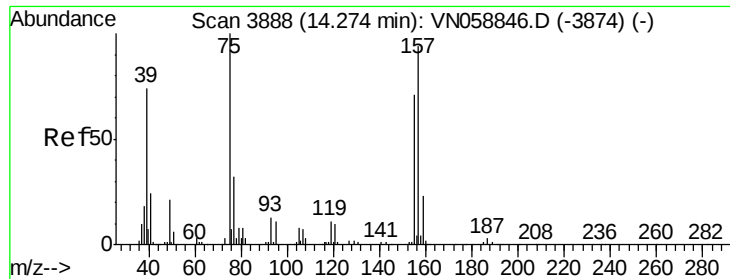
MMDadoda
10/22/2019 4:55:33 PM



#91
1,2-Dichlorobenzene
Concen: 51.309 ug/l
RT: 13.66 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VN058883.D
Acq: 21 Oct 2019 13:17

Tgt Ion:146 Resp: 513522
Ion Ratio Lower Upper
146 100
111 42.9 21.6 64.8
148 63.2 31.9 95.9





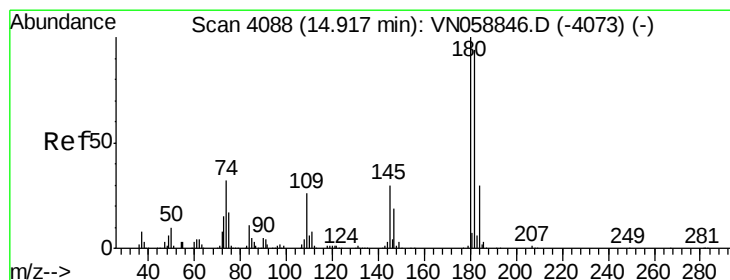
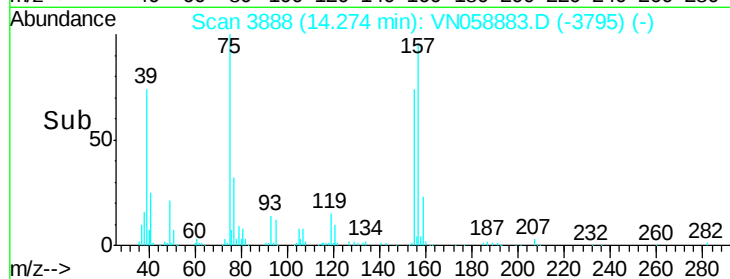
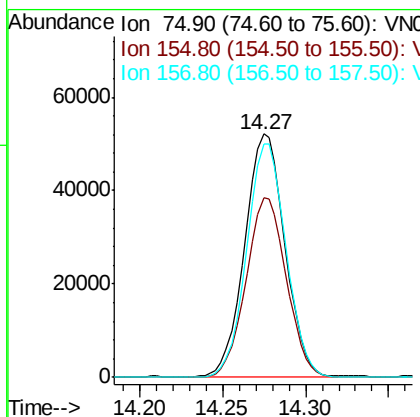
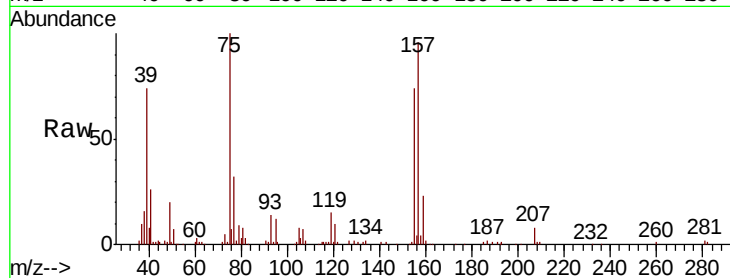
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.282 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	74.5	35.6	106.8
157	94.9	47.4	142.2

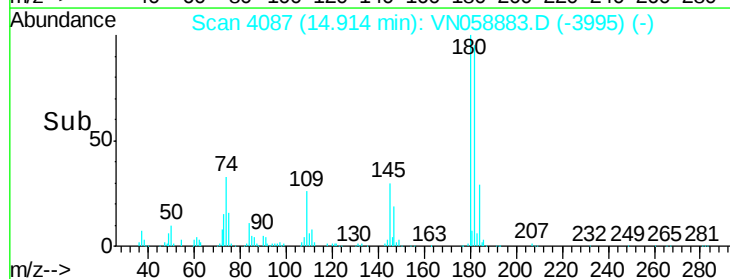
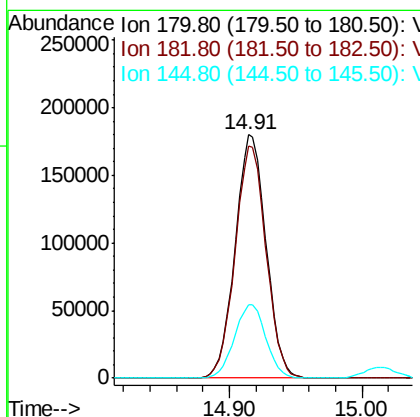
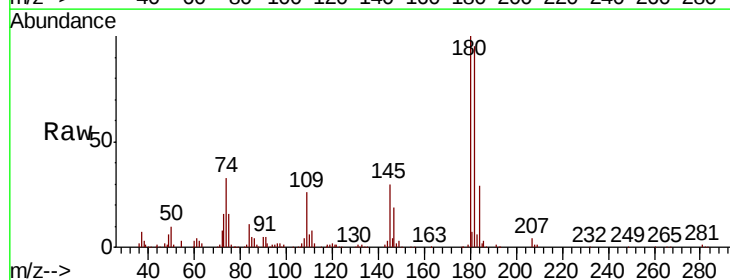
Manual Integrations
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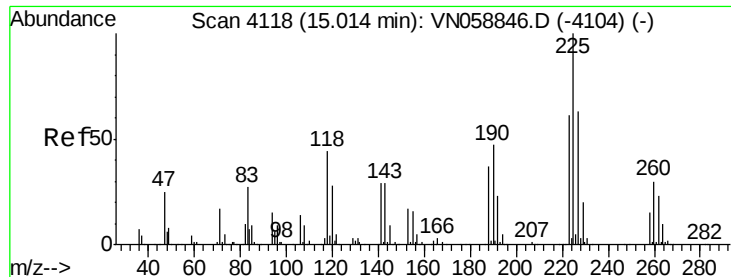
MMDadoda
 10/22/2019 4:55:33 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 46.290 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	30.8	15.3	45.8





#94

Hexachlorobutadiene

Concen: 46.799 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Instrument :

MSVOA_N

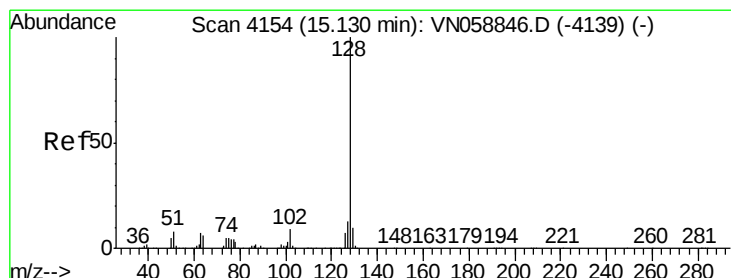
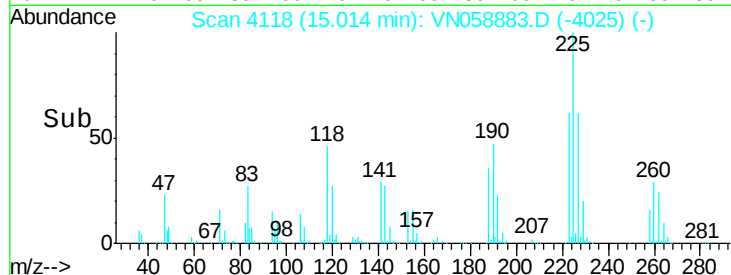
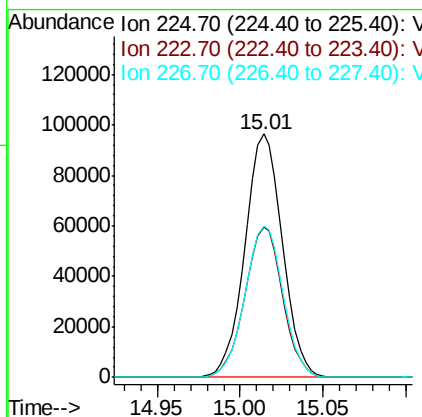
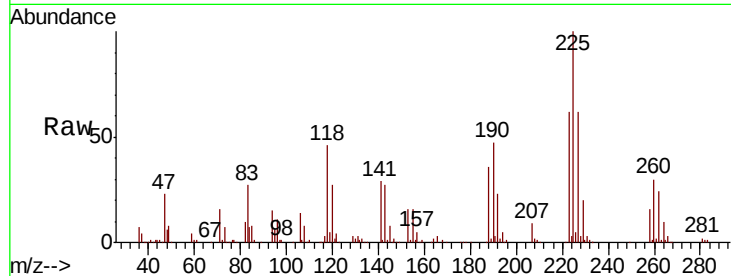
ClientSampleId :

FA19-MMW0422MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	151812		
223	62.0	30.9	92.5	
227	63.1	31.6	94.7	

Manual Integrations
APPROVED

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10/22/2019 4:55:33 PM



#95

Naphthalene

Concen: 46.972 ug/l

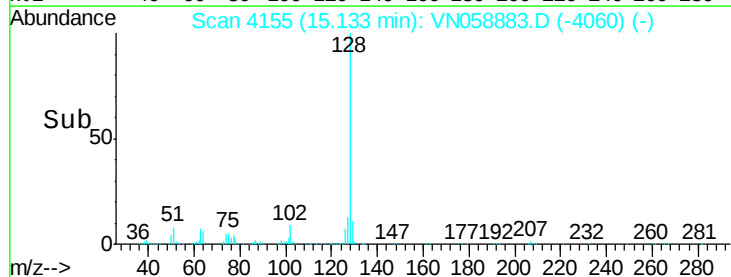
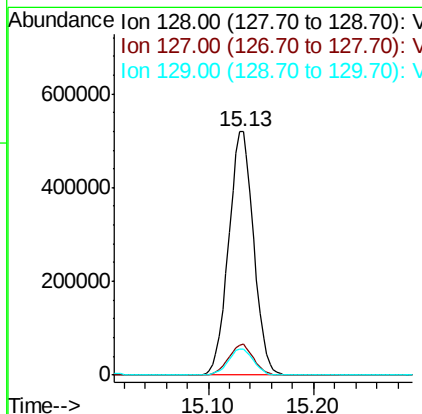
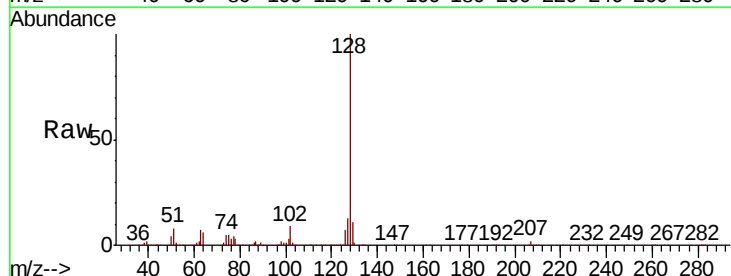
RT: 15.13 min Scan# 4155

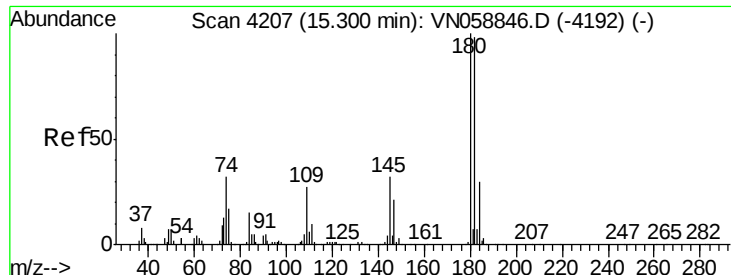
Delta R.T. 0.00 min

Lab File: VN058883.D

Acq: 21 Oct 2019 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	848039		
127	12.7	10.2	15.2	
129	10.8	8.4	12.6	





#96
 1,2,3-Trichlorobenzene
 Concen: 46.164 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058883.D
 Acq: 21 Oct 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.7	47.9	143.7
145	32.2	15.9	47.7

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:33 PM

