

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058881.D
 Acq On : 21 Oct 2019 12:33
 Operator : JC/SP
 Sample : K5451-05MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:24 PM

Quant Time: Oct 22 04:18:17 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	429248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	650568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310153	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	309758	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	7.57	113	225913	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	10.08	98	880092	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	324507	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	254074	47.474	ug/l	99
3) Chloromethane	2.04	50	319243	48.163	ug/l	98
4) Vinyl Chloride	2.17	62	326897	49.670	ug/l	100
5) Bromomethane	2.54	94	199010	48.288	ug/l	98
6) Chloroethane	2.68	64	198287	46.982	ug/l	97
7) Trichlorofluoromethane	3.00	101	384994	47.278	ug/l	99
8) Diethyl Ether	3.39	74	142878	50.773	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	214973	47.619	ug/l	100
10) Methyl Iodide	3.93	142	294785	49.648	ug/l	100
11) Tert butyl alcohol	4.76	59	251451	240.686	ug/l	98
12) 1,1-Dichloroethene	3.72	96	216749	51.222	ug/l	100
13) Acrolein	3.58	56	177262	246.939	ug/l	100
14) Allyl chloride	4.30	41	434851	50.784	ug/l	99
15) Acrylonitrile	4.96	53	676587	257.462	ug/l	100
16) Acetone	3.79	43	599535	192.720	ug/l	100
17) Carbon Disulfide	4.03	76	663284	48.660	ug/l	98
18) Methyl Acetate	4.30	43	334112	47.240	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	779304	52.595	ug/l	99
20) Methylene Chloride	4.53	84	252479	47.530	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	234370	50.152	ug/l	98
22) Diisopropyl ether	5.93	45	877346	52.383	ug/l	97
23) Vinyl Acetate	5.87	43	3754249	278.998	ug/l	99
24) 1,1-Dichloroethane	5.82	63	487476	50.196	ug/l	99
25) 2-Butanone	6.81	43	936875	231.998	ug/l	99
26) 2,2-Dichloropropane	6.80	77	417275	49.675	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	279229	52.305	ug/l	99
28) Bromochloromethane	7.17	49	160438	49.605	ug/l	99
29) Tetrahydrofuran	7.19	42	630262	255.130	ug/l	100
30) Chloroform	7.35	83	469948	48.241	ug/l	99
31) Cyclohexane	7.63	56	432752	47.832	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	405930	49.436	ug/l	100
36) 1,1-Dichloropropene	7.78	75	359461	50.341	ug/l	100
37) Ethyl Acetate	6.90	43	482804	62.053	ug/l	99
38) Carbon Tetrachloride	7.76	117	356190	48.421	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	406388	50.686	ug/l	100
40) Benzene	8.02	78	1056643	50.393	ug/l	99
41) Methacrylonitrile	7.15	41	145650m	42.031	ug/l	
42) 1,2-Dichloroethane	8.11	62	395700	48.990	ug/l	100
43) Isopropyl Acetate	8.15	43	632285	50.671	ug/l	100
44) Trichloroethene	8.82	130	287250	56.238	ug/l	100
45) 1,2-Dichloropropane	9.11	63	287975	50.085	ug/l	100
46) Dibromomethane	9.20	93	179009	49.248	ug/l	99
47) Bromodichloromethane	9.39	83	375930	50.180	ug/l	100
48) Methyl methacrylate	9.19	41	295207	52.144	ug/l	100
49) 1,4-Dioxane	9.19	88	83114	894.317	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1946761	267.103	ug/l	99
52) Toluene	10.15	92	637971	51.307	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	429459	51.783	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	444882	50.210	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	250305	48.865	ug/l	98
56) Ethyl methacrylate	10.43	69	403740	47.051	ug/l	100
57) 1,3-Dichloropropane	10.70	76	447986	49.829	ug/l	98
59) 2-Hexanone	10.75	43	1472209	261.401	ug/l	100
60) Dibromochloromethane	10.90	129	279103	50.621	ug/l	99
61) 1,2-Dibromoethane	11.00	107	263411	50.249	ug/l	99
64) Tetrachloroethene	10.63	164	218628	47.985	ug/l	99
65) Chlorobenzene	11.43	112	670659	50.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251183	50.257	ug/l	99
67) Ethyl Benzene	11.51	91	1238950	53.324	ug/l	98
68) m/p-Xylenes	11.62	106	916685	106.389	ug/l	100
69) o-Xylene	11.95	106	436341	53.098	ug/l	100
70) Stvrene	11.97	104	728075	48.067	ug/l	100
71) Bromoform	12.13	173	198089	51.111	ug/l #	99
73) Isopropylbenzene	12.25	105	1192392	52.606	ug/l	99
74) N-amyl acetate	12.07	43	557255	54.229	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	391260	49.092	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	346718m	48.235	ug/l	
77) Bromobenzene	12.53	156	279874	50.095	ug/l	99
78) n-propylbenzene	12.59	91	1409562	52.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	831845	50.728	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1010621	53.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140731	51.003	ug/l	100
82) 4-Chlorotoluene	12.78	91	867226	51.751	ug/l	99
83) tert-Butylbenzene	13.00	119	867631	53.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1009050	53.719	ug/l	98
85) sec-Butylbenzene	13.17	105	1150995	53.012	ug/l	99
86) p-Isopropyltoluene	13.29	119	1042993	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	503531	50.405	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	495460	49.538	ug/l	99
89) n-Butylbenzene	13.62	91	926230	52.631	ug/l	100
90) Hexachloroethane	13.88	117	194277	50.046	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	493654	50.277	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82758	45.909	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	279645	45.482	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	149523	46.984	ug/l	99
95) Naphthalene	15.13	128	803500	45.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	272685	45.540	ug/l	99

(#) = 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: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:168 Resp: 429248

Ion Ratio Lower Upper

168 100

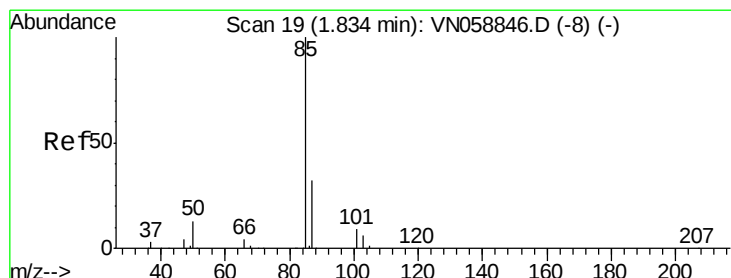
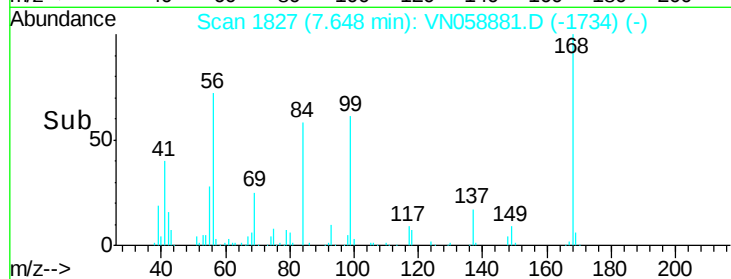
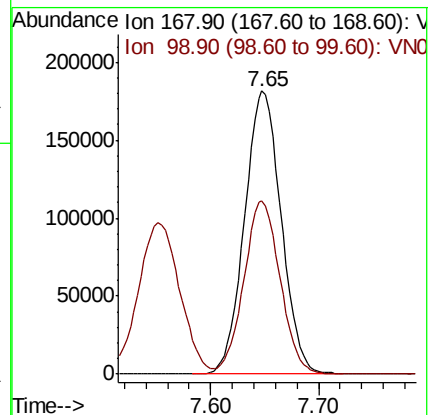
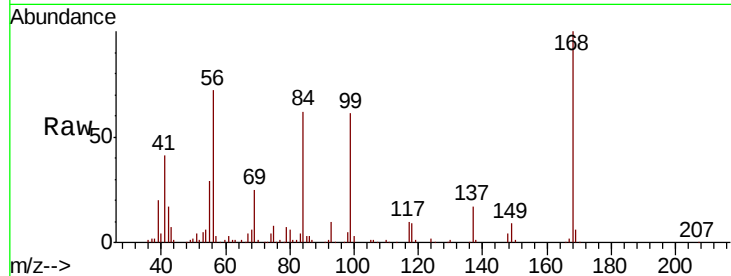
99 61.3 48.1 72.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.474 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058881.D

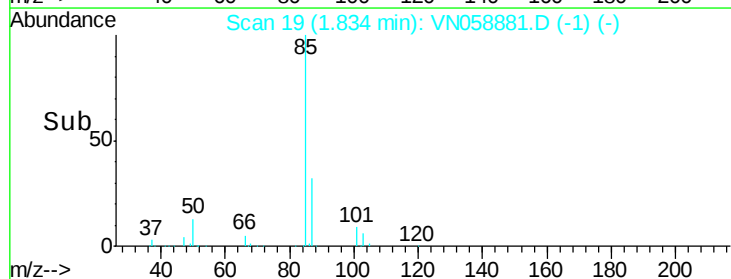
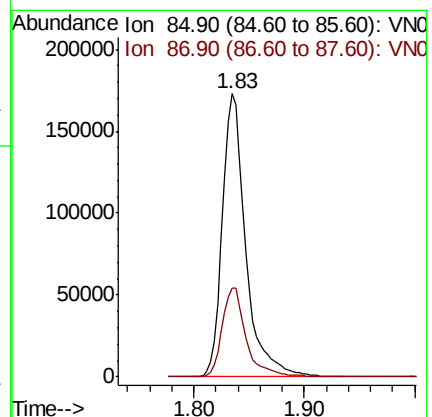
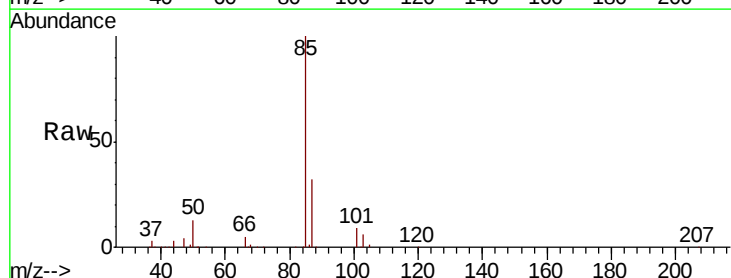
Acq: 21 Oct 2019 12:33

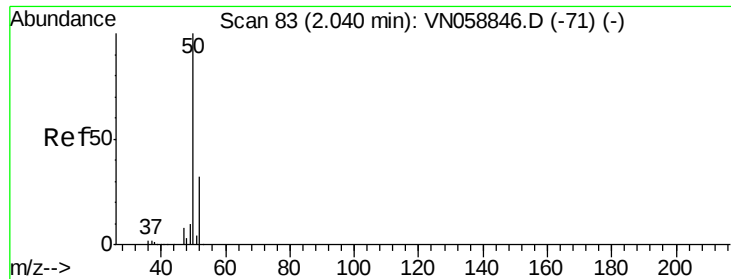
Tgt Ion: 85 Resp: 254074

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5





#3

Chloromethane

Concen: 48.163 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

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ClientSampleId :

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Tot Ion: 50 Resp: 319243

Ion Ratio Lower Upper

50 100

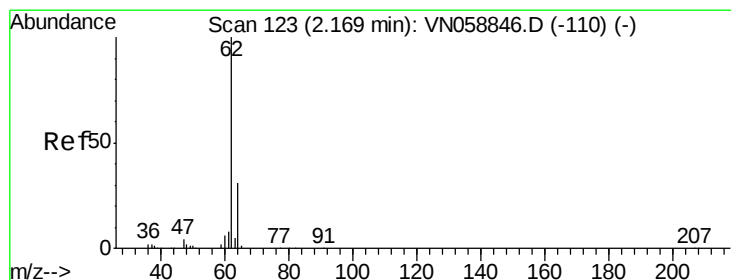
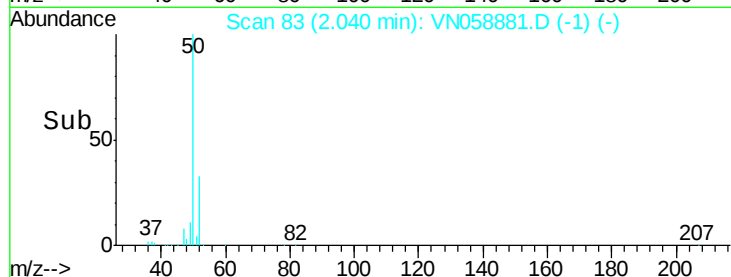
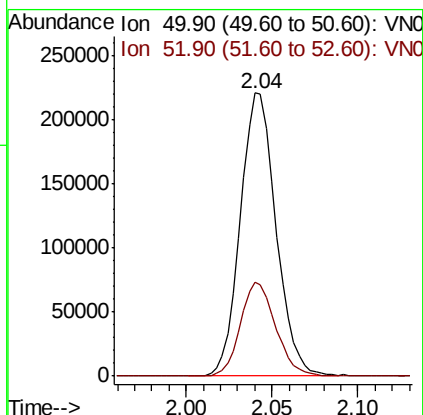
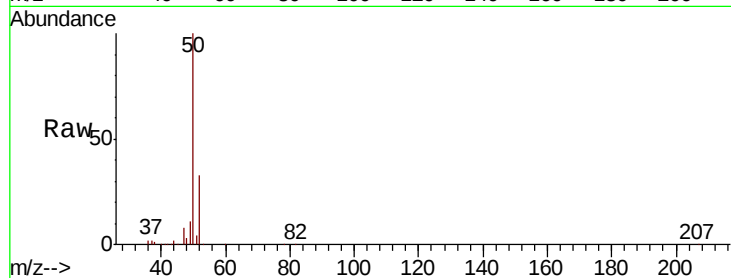
52 33.1 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.670 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058881.D

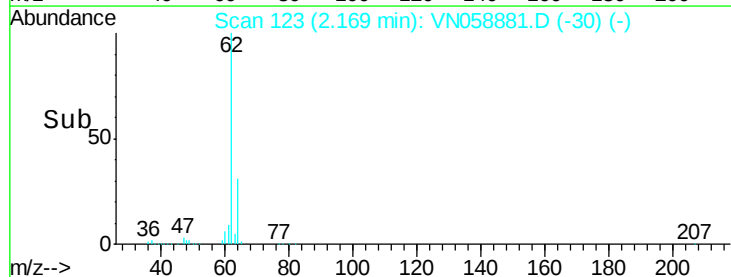
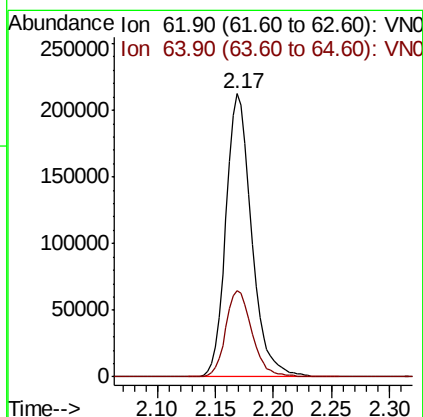
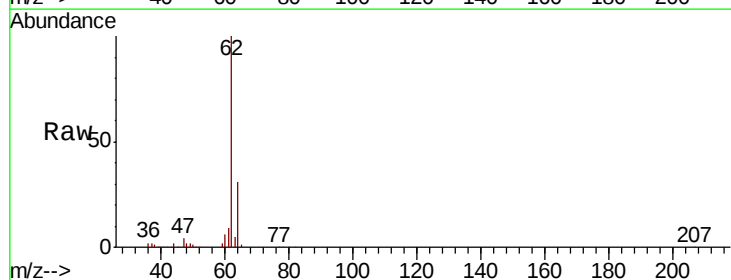
Acq: 21 Oct 2019 12:33

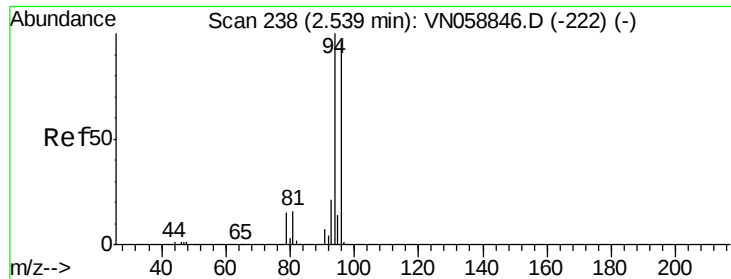
Tgt Ion: 62 Resp: 326897

Ion Ratio Lower Upper

62 100

64 30.6 24.6 36.8





#5

Bromomethane

Concen: 48.288 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 199010

Ion Ratio Lower Upper

94 100

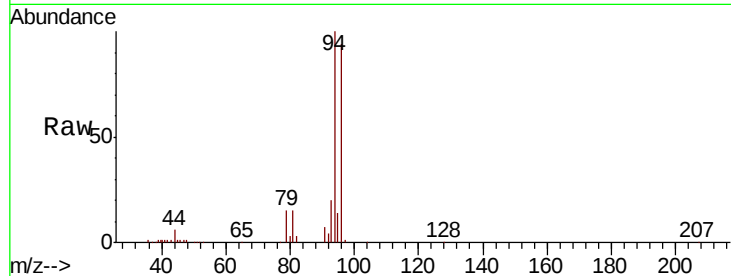
96 94.0 77.0 115.6

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.54

100000

80000

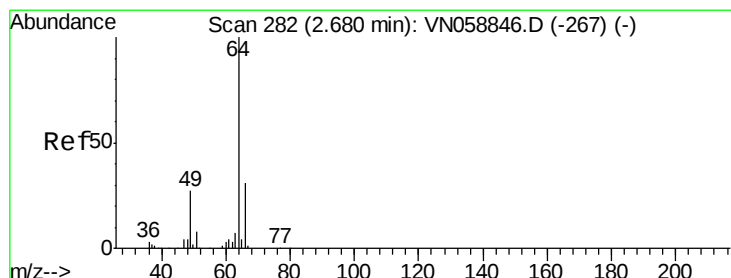
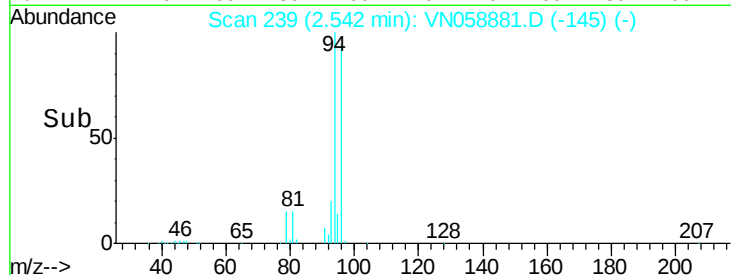
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 46.982 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058881.D

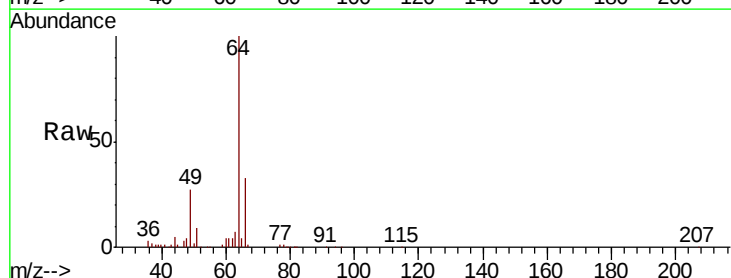
Acq: 21 Oct 2019 12:33

Tgt Ion: 64 Resp: 198287

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.68

100000

80000

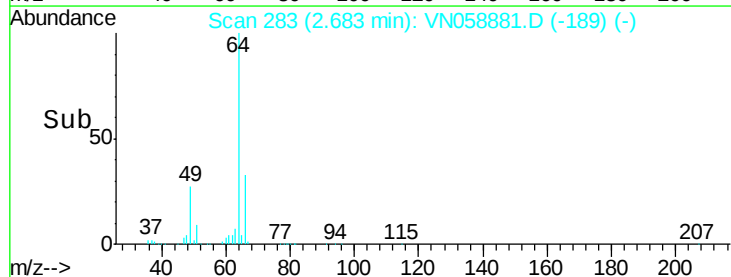
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Time-->





#7

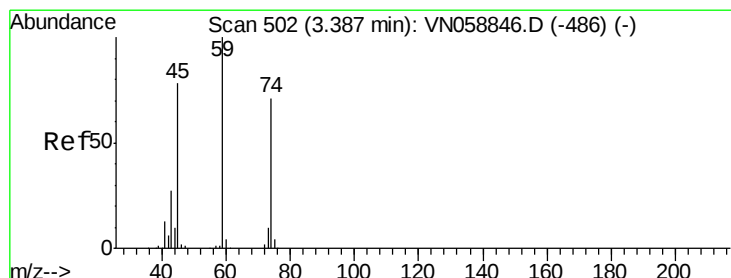
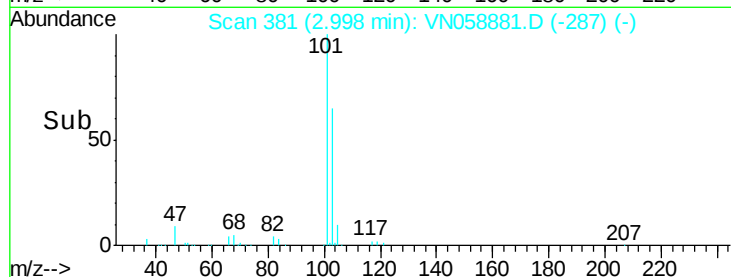
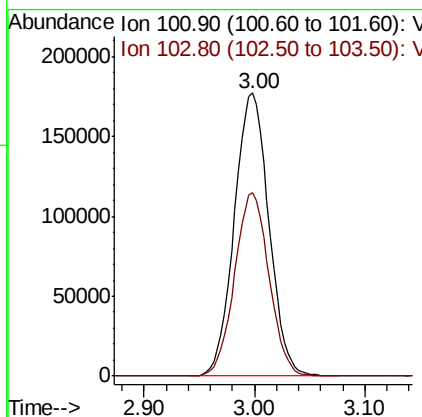
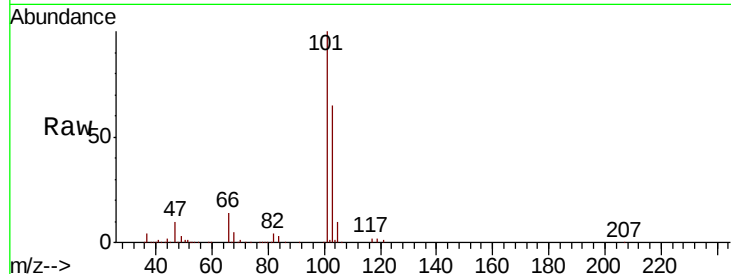
Trichlorofluoromethane
Concen: 47.278 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058881.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	384994		
103	64.7	52.2	78.2	

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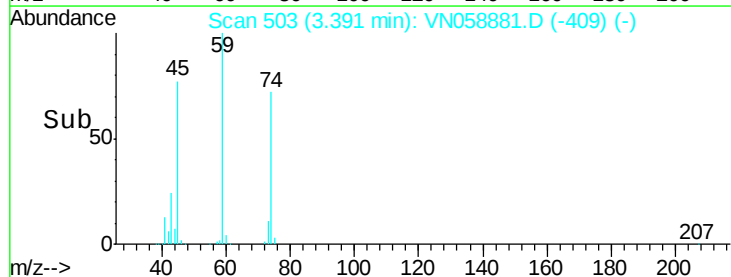
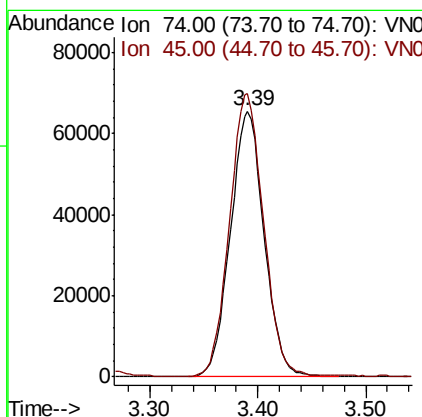
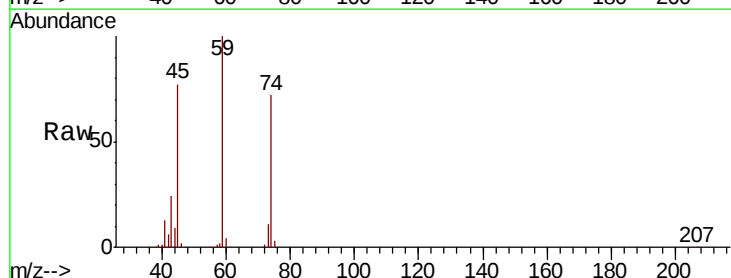
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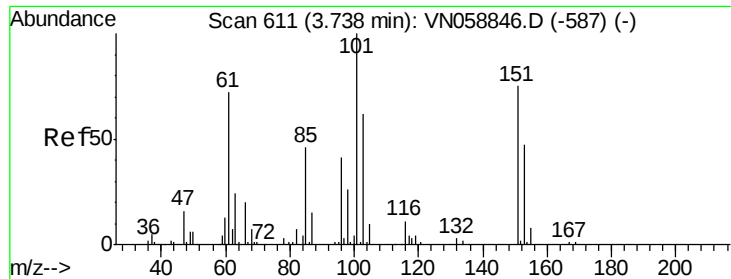


#8

Diethyl Ether
Concen: 50.773 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	142878		
45	107.8	54.9	164.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.619 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

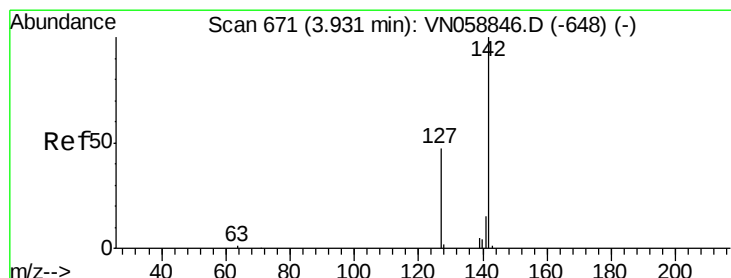
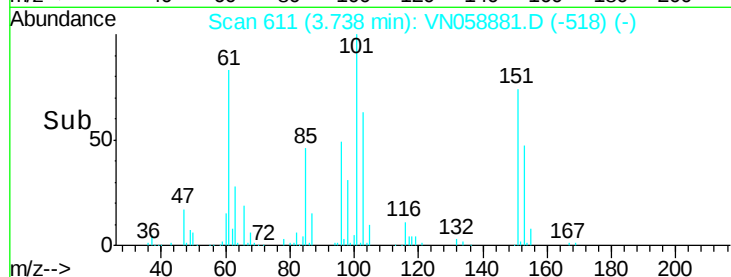
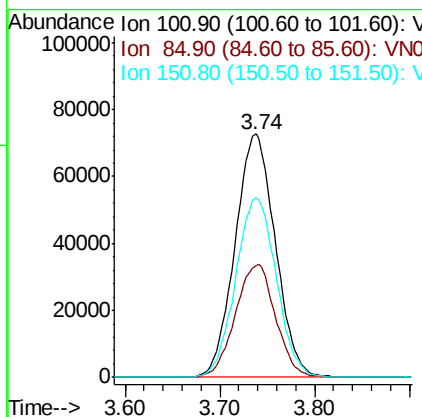
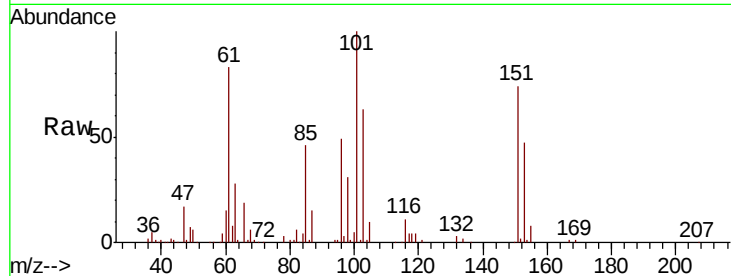
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:	101	Resp:	214973
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.2	55.8
151	74.5	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 49.648 ug/l

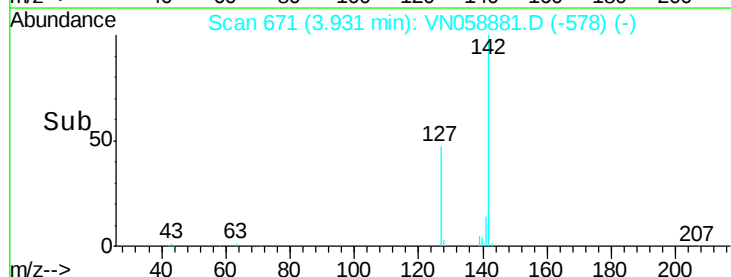
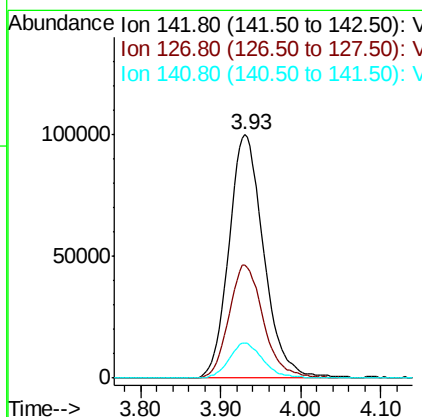
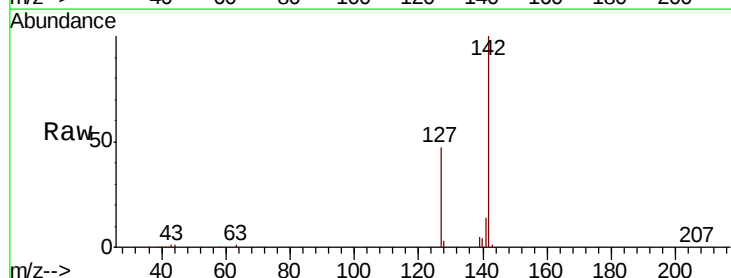
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion:	142	Resp:	294785
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.6	54.8
141	14.1	11.4	17.2





#11

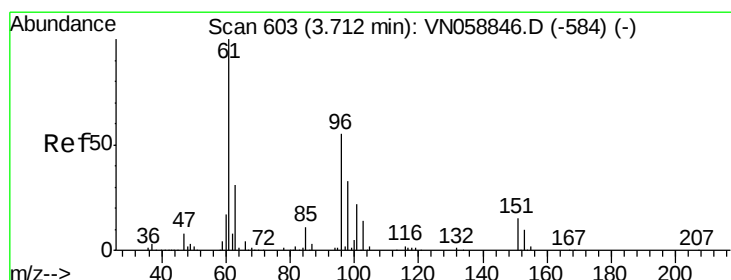
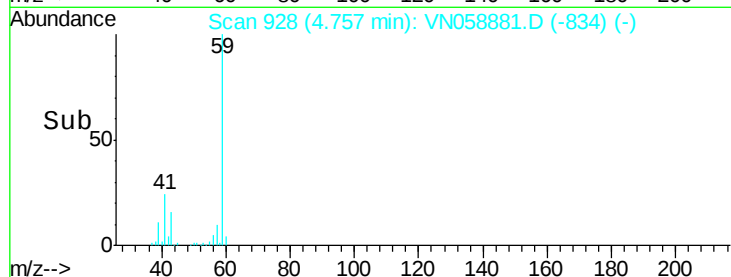
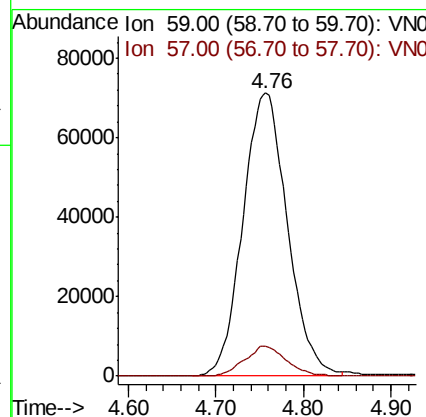
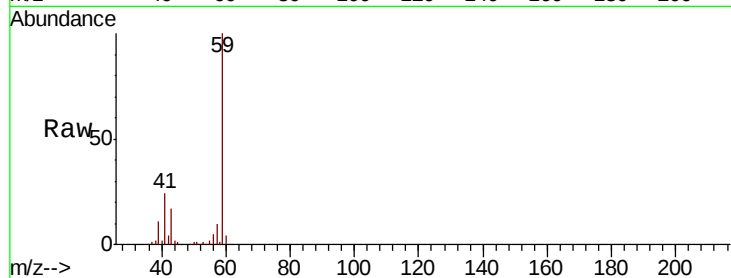
Tert butyl alcohol
Concen: 240.686 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	59	Resp	251451
Ion Ratio	100	Lower	Upper
57	10.1	8.6	12.8

Manual Integrations
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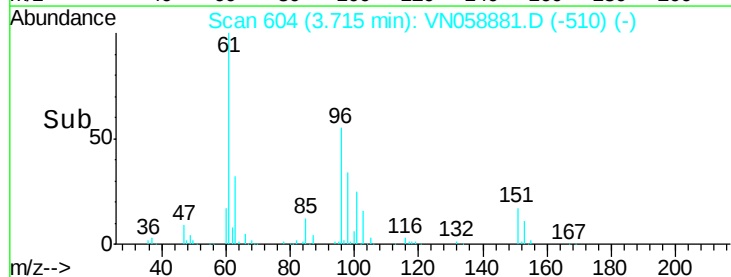
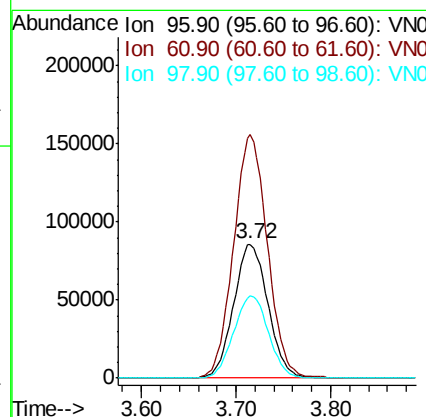
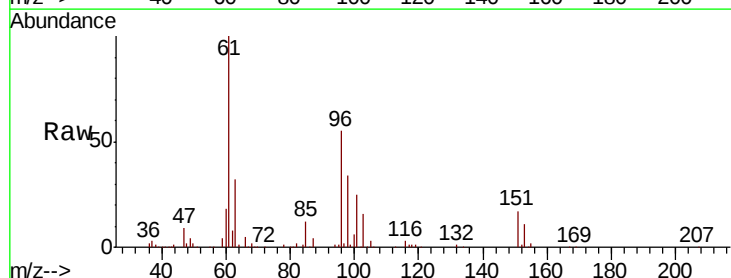
MMDadoda
10/22/2019 4:55:24 PM

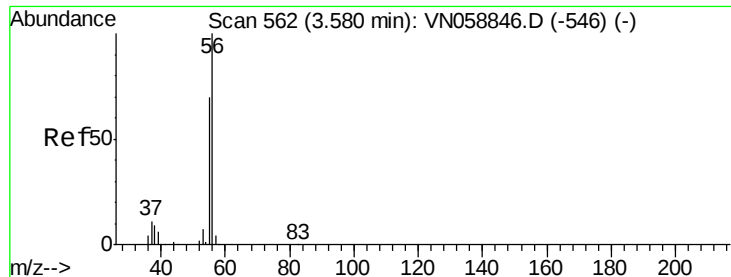


#12

1,1-Dichloroethene
Concen: 51.222 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	96	Resp	216749
Ion Ratio	100	Lower	Upper
61	182.1	146.2	219.2
98	61.3	48.7	73.1





#13

Acrolein

Concen: 246.939 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 56 Resp: 177262

Ion Ratio Lower Upper

56 100

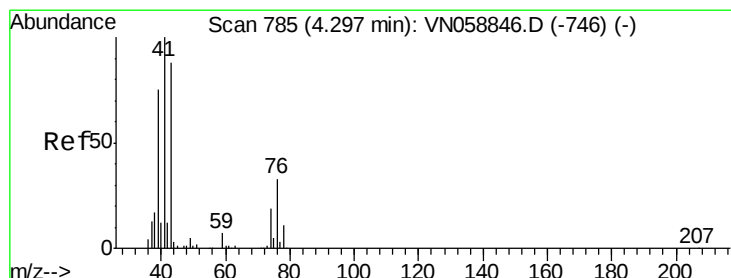
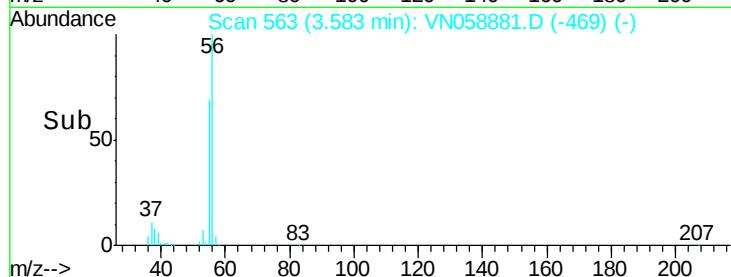
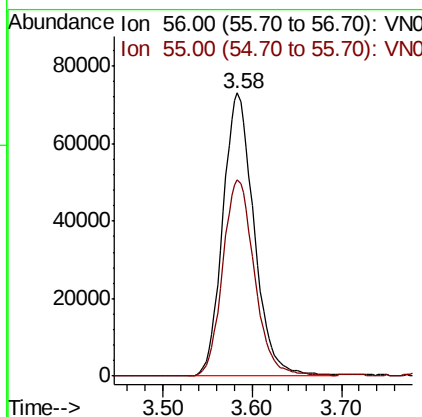
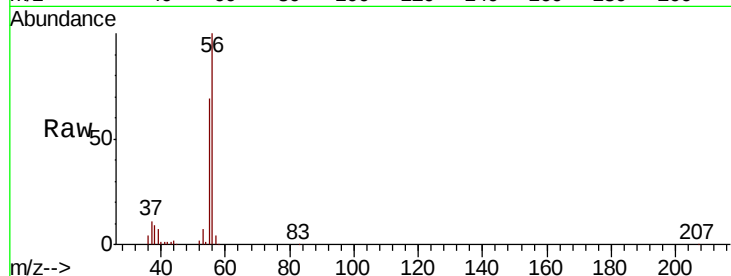
55 70.9 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.784 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

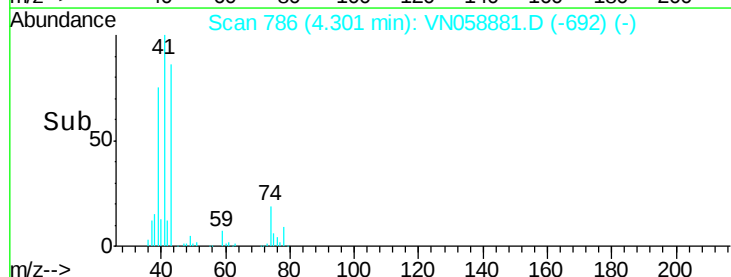
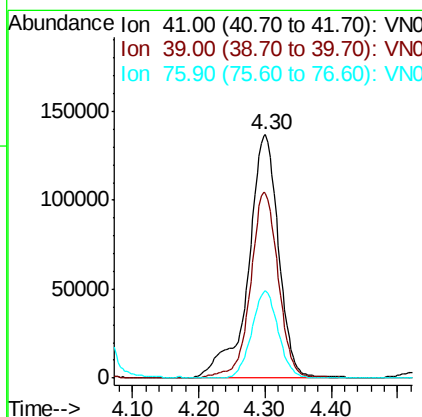
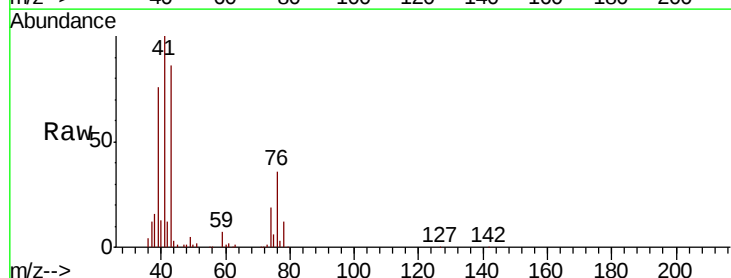
Tgt Ion: 41 Resp: 434851

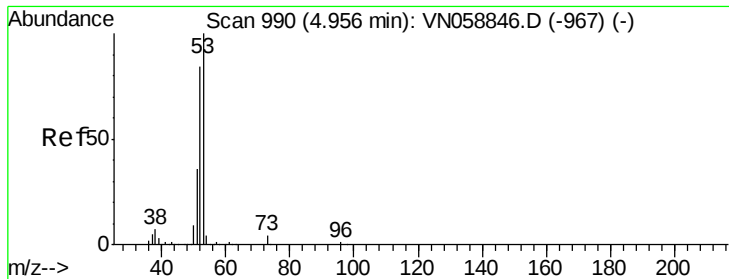
Ion Ratio Lower Upper

41 100

39 69.2 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 257.462 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

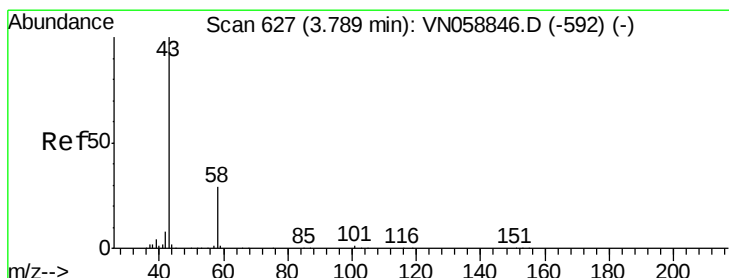
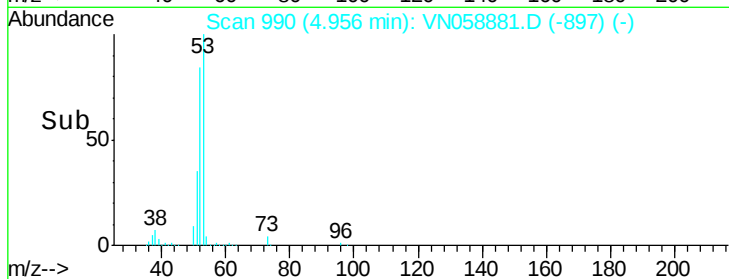
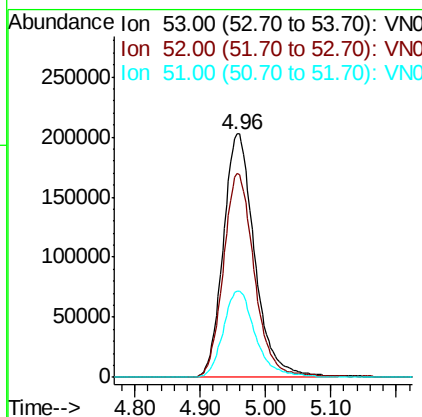
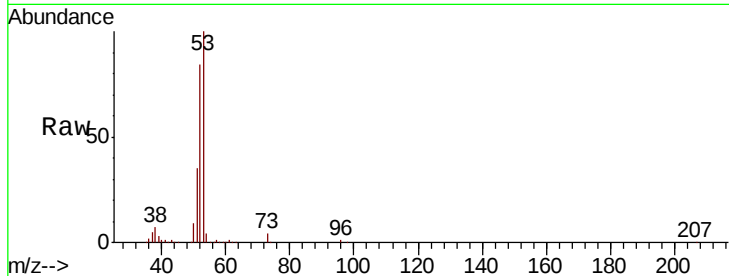
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:	53	Resp:	676587
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	99.8
51	36.5	29.2	43.8

Manual Integrations
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#16

Acetone

Concen: 192.720 ug/l

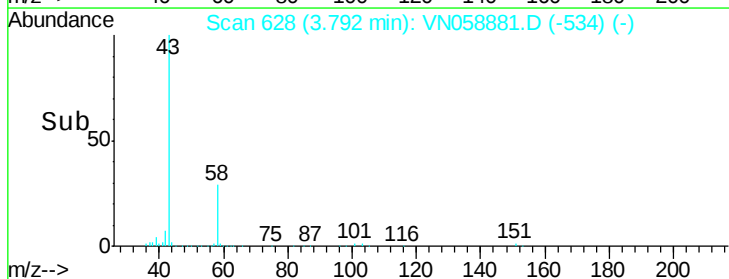
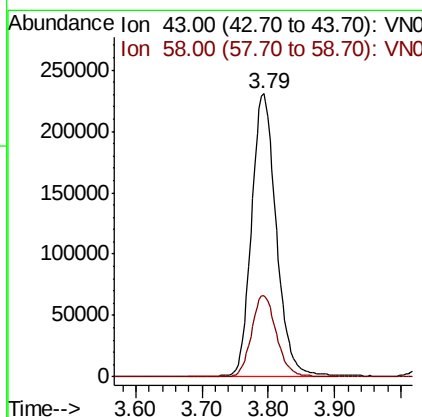
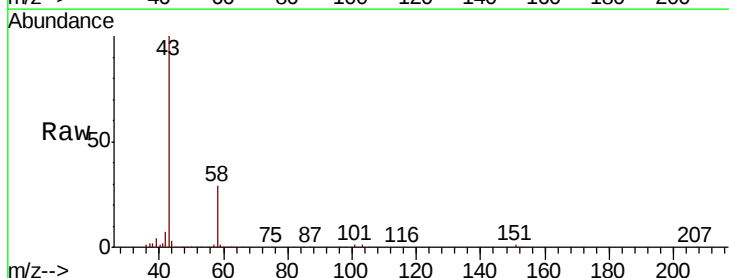
RT: 3.79 min Scan# 628

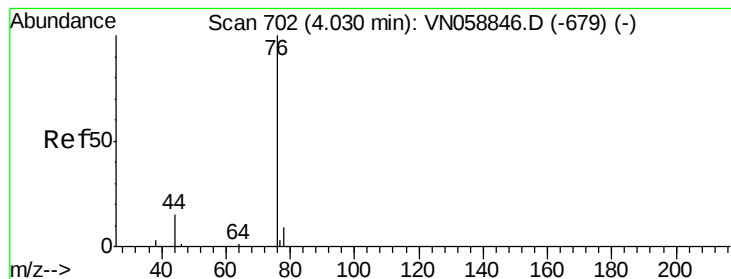
Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion:	43	Resp:	599535
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.1	34.7





#17

Carbon Disulfide

Concen: 48.660 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 76 Resp: 663284

Ion Ratio Lower Upper

76 100

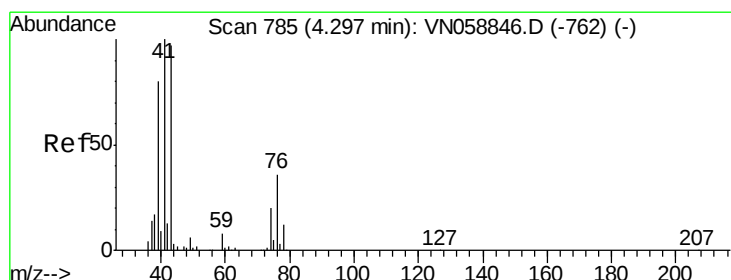
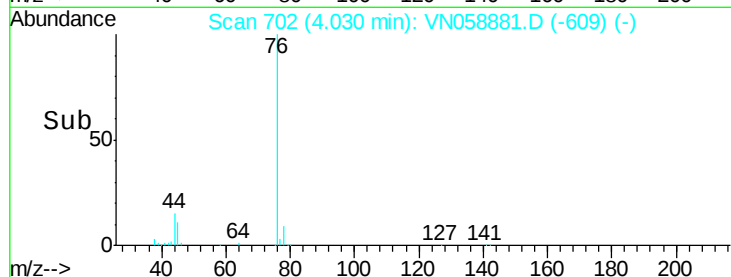
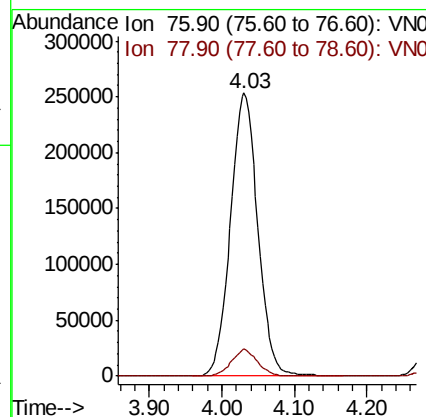
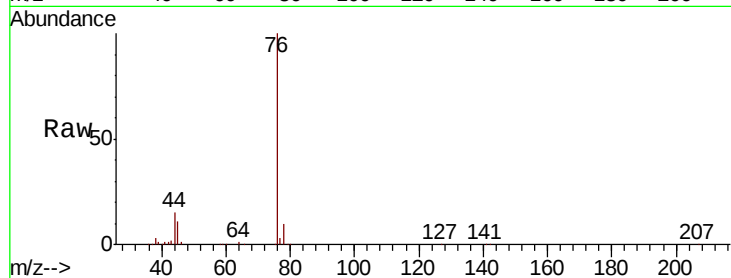
78 9.5 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 47.240 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058881.D

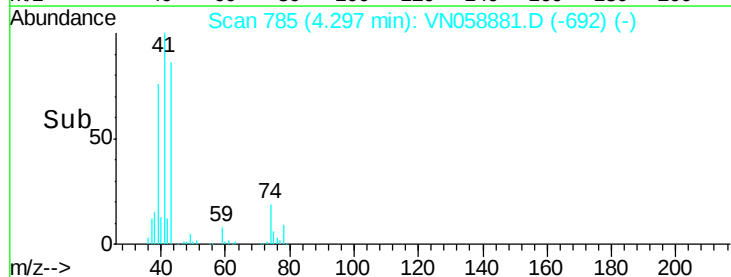
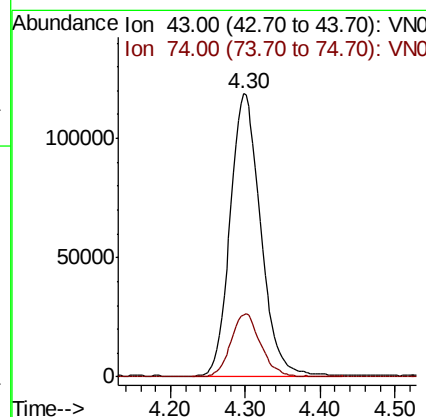
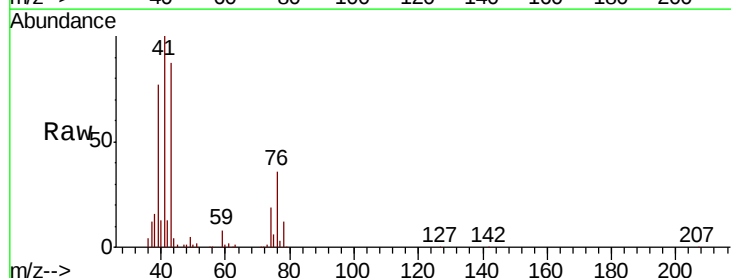
Acq: 21 Oct 2019 12:33

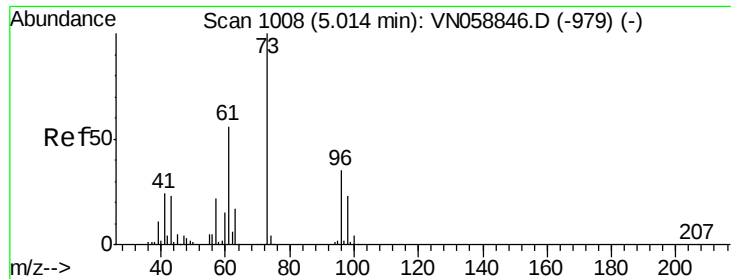
Tgt Ion: 43 Resp: 334112

Ion Ratio Lower Upper

43 100

74 21.9 17.1 25.7





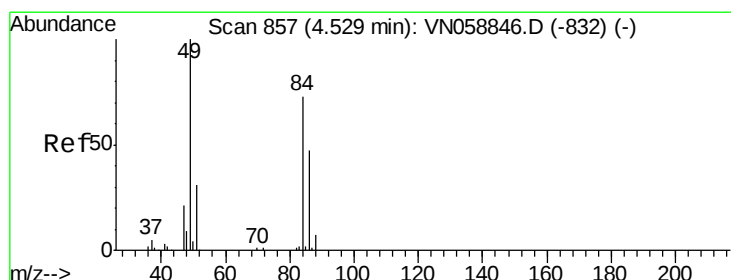
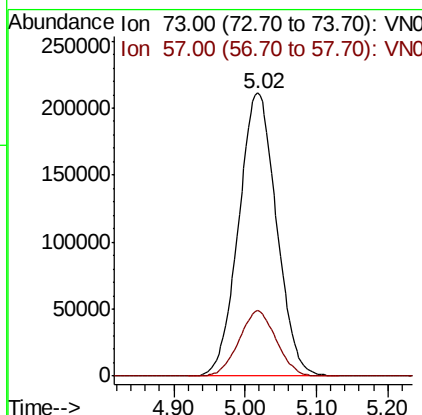
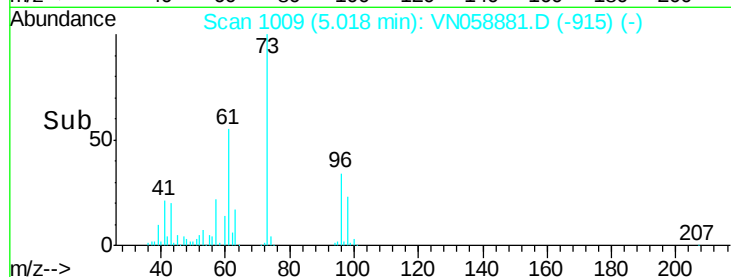
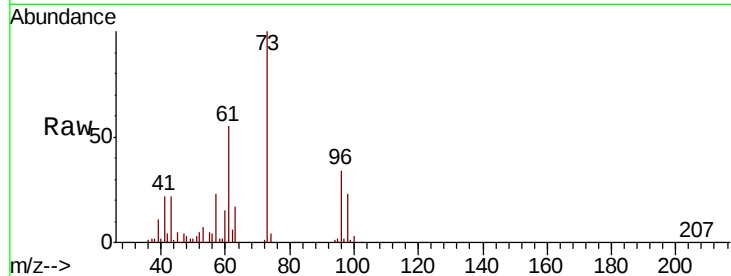
#19
Methvl tert-butvl Ether
Concen: 52.595 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion: 73 Resp: 779304
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

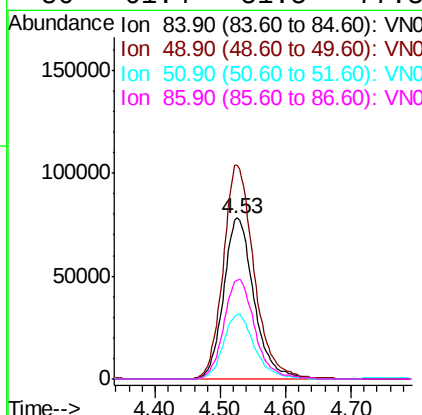
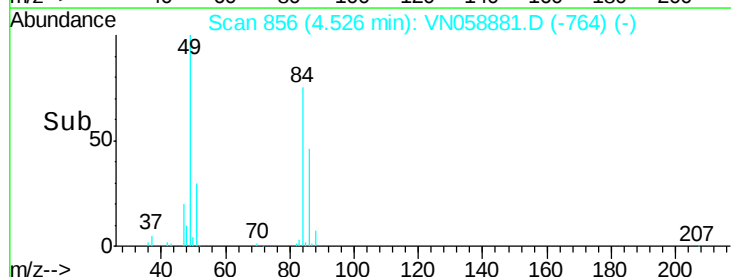
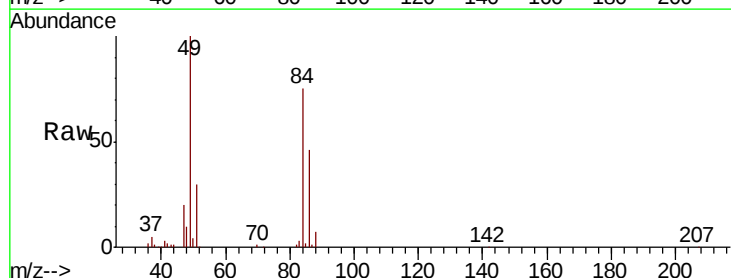
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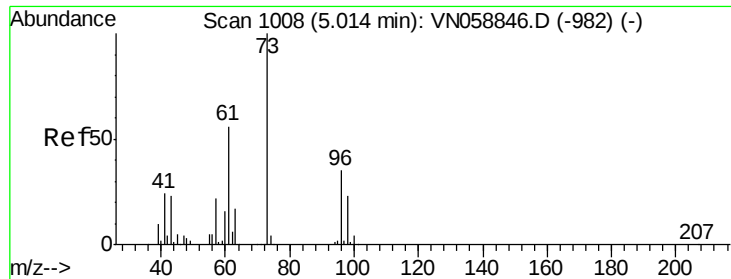
MMDadoda
10/22/2019 4:55:24 PM



#20
Methylene Chloride
Concen: 47.530 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion: 84 Resp: 252479
Ion Ratio Lower Upper
84 100
49 132.7 109.6 164.4
51 40.1 33.8 50.6
86 61.4 51.5 77.3





#21

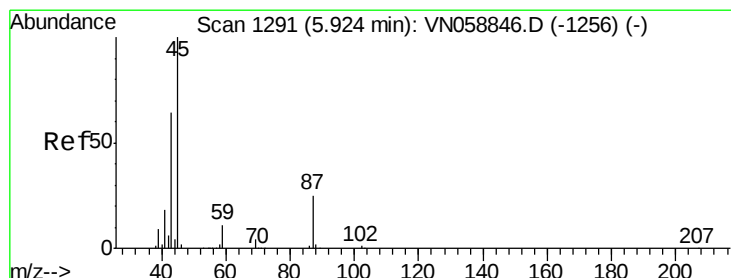
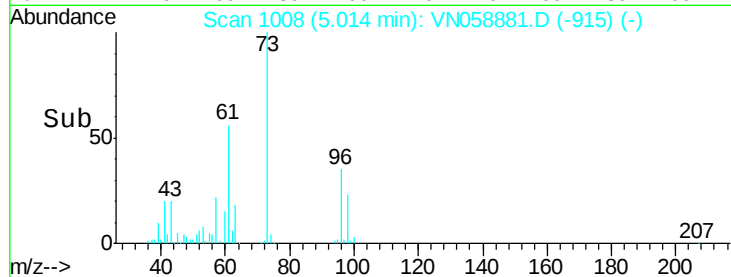
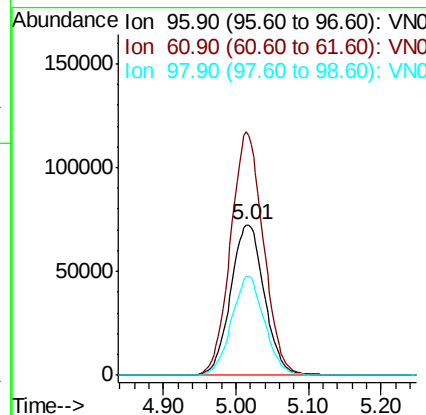
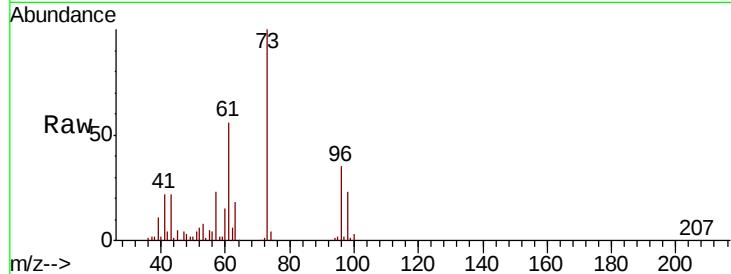
trans-1,2-Dichloroethene
Concen: 50.152 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.8	126.7	190.1
98	65.5	52.0	78.0

Manual Integrations
APPROVED

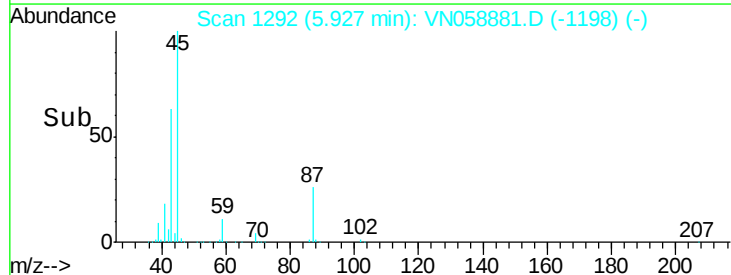
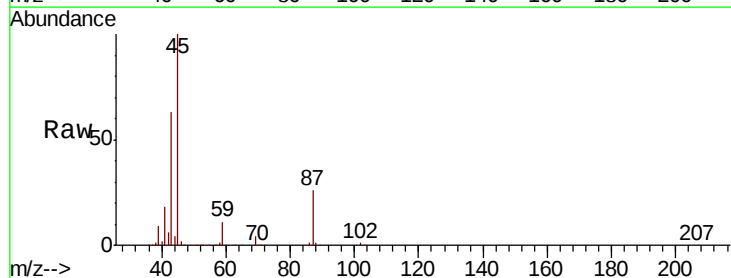
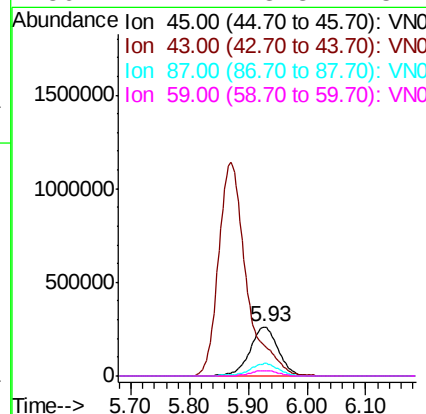
MMDadoda
10/22/2019 4:55:24 PM

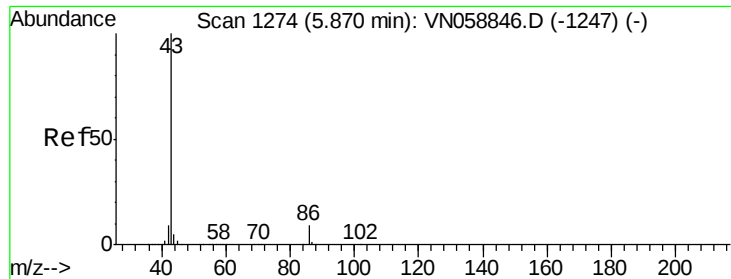


#22

Diisopropyl ether
Concen: 52.383 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	52.9	79.3
87	25.6	20.2	30.4
59	11.2	8.8	13.2





#23

Vinyl Acetate

Concen: 278.998 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 43 Resp: 3754249

Ion Ratio Lower Upper

43 100

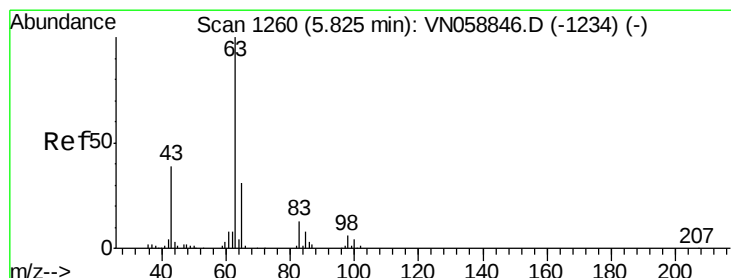
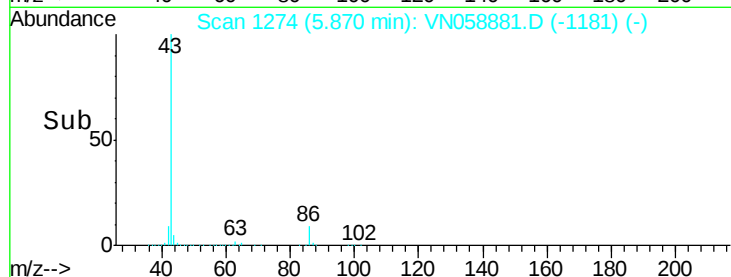
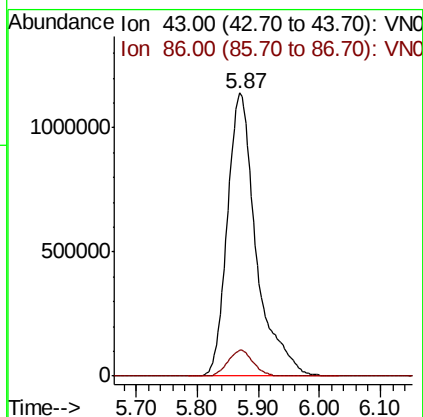
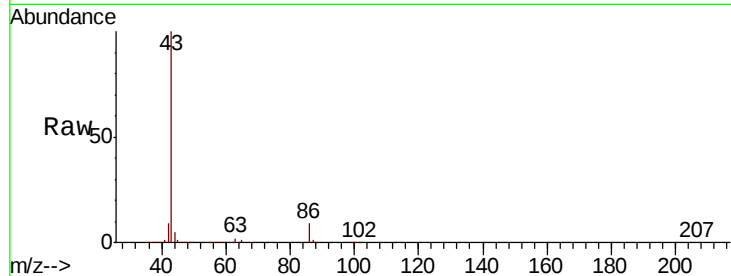
86 9.2 7.2 10.8

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 50.196 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

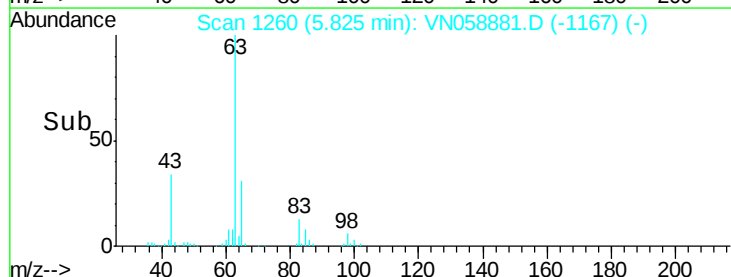
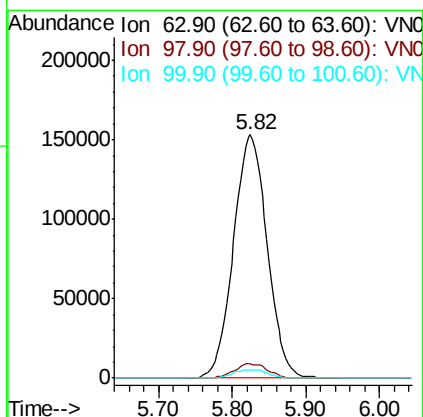
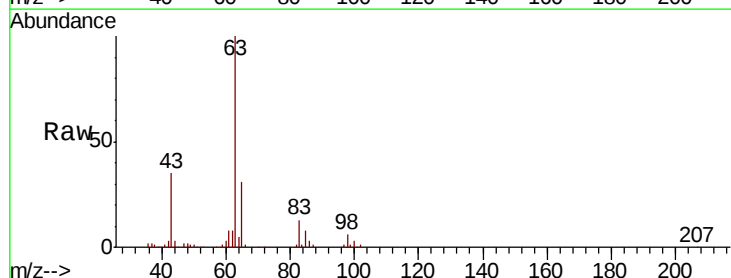
Tgt Ion: 63 Resp: 487476

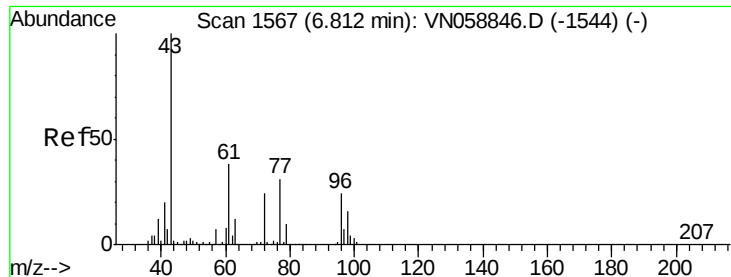
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 231.998 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 43 Resp: 936875

Ion Ratio Lower Upper

43 100

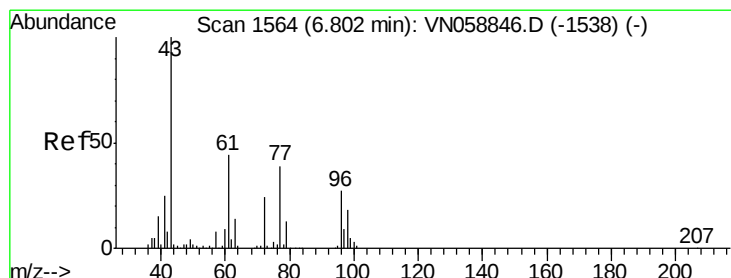
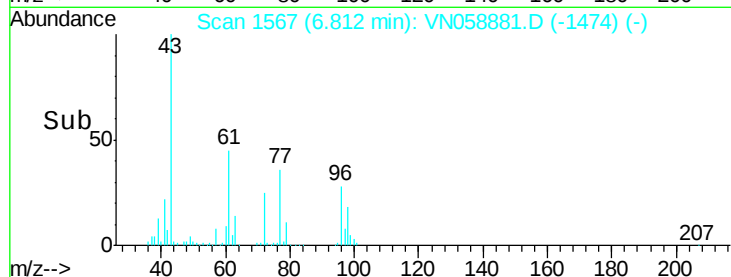
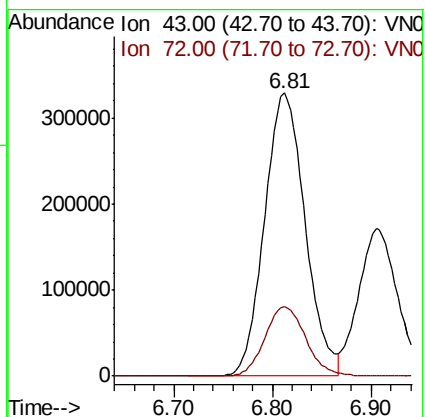
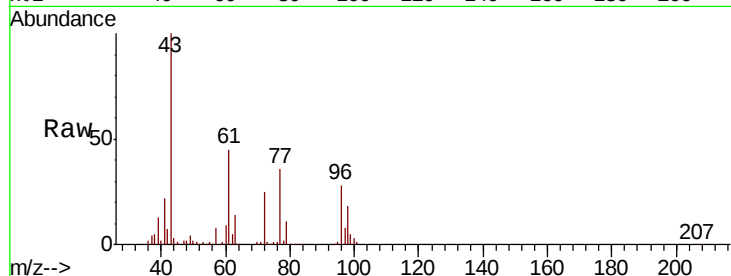
72 24.6 19.1 28.7

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 49.675 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN058881.D

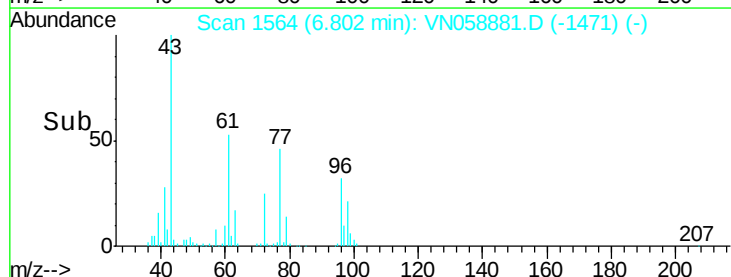
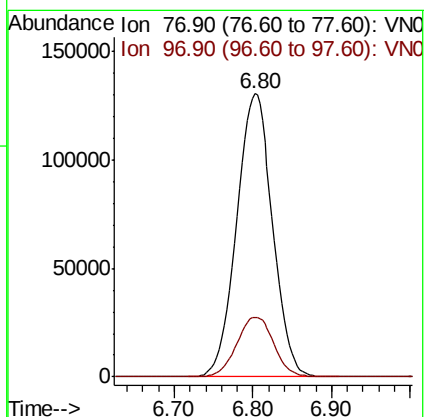
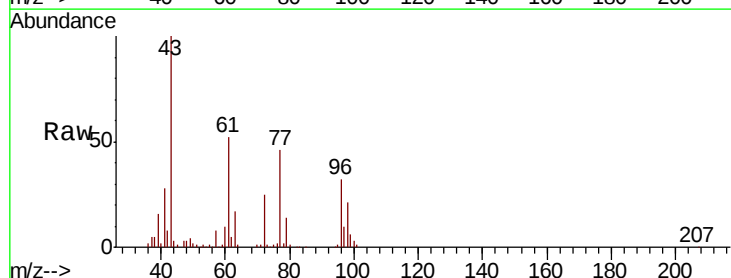
Acq: 21 Oct 2019 12:33

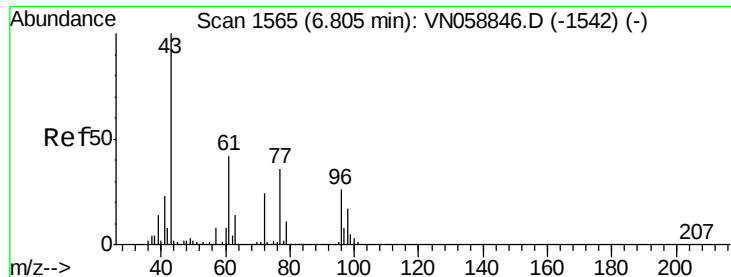
Tgt Ion: 77 Resp: 417275

Ion Ratio Lower Upper

77 100

97 21.7 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 52.305 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

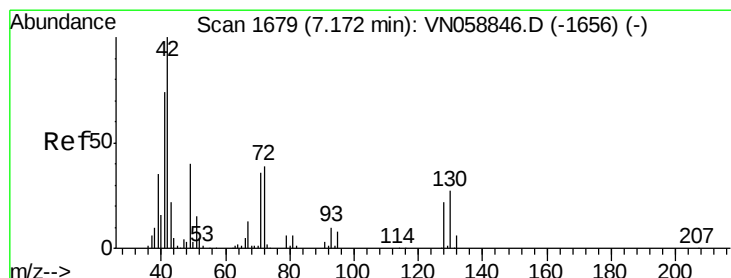
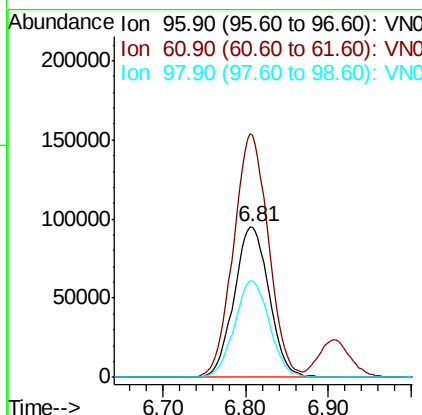
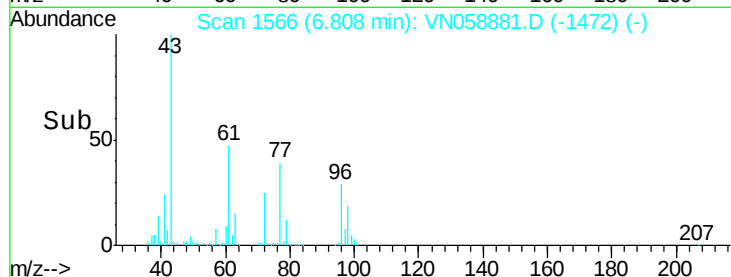
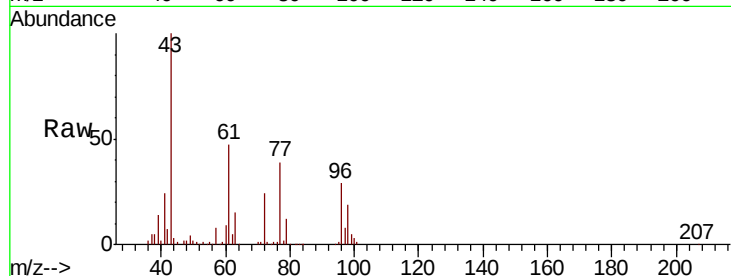
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:	96	Resp:	279229
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	325.0
98	64.0	0.0	128.0

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#28

Bromochloromethane

Concen: 49.605 ug/l

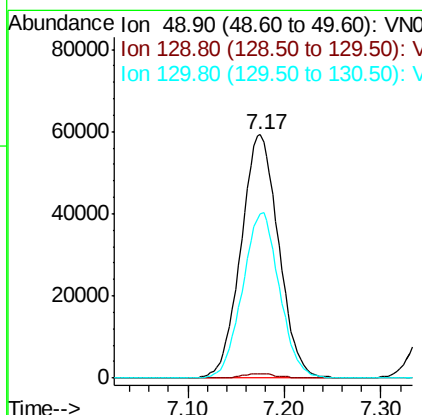
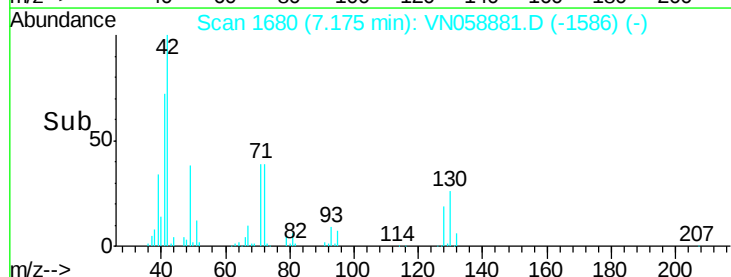
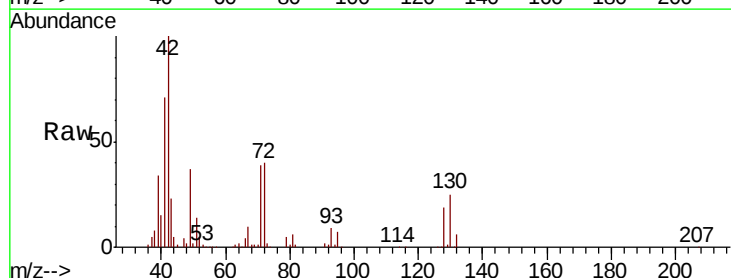
RT: 7.17 min Scan# 1680

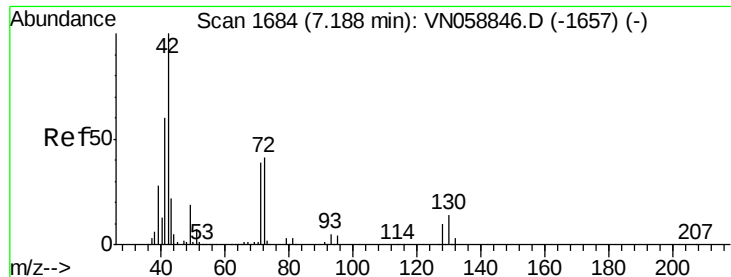
Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion:	49	Resp:	160438
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	66.5	53.5	80.3





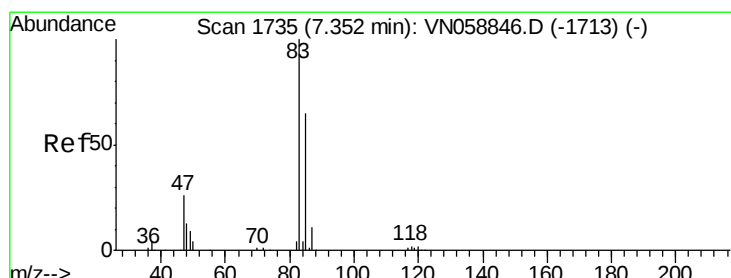
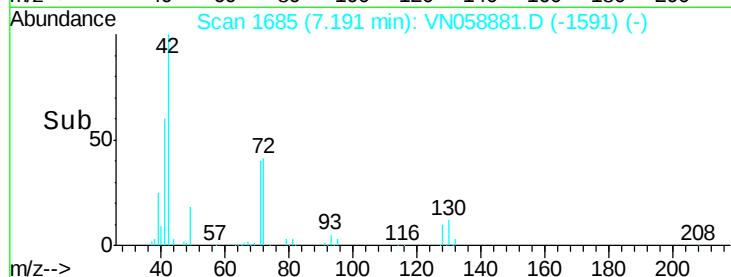
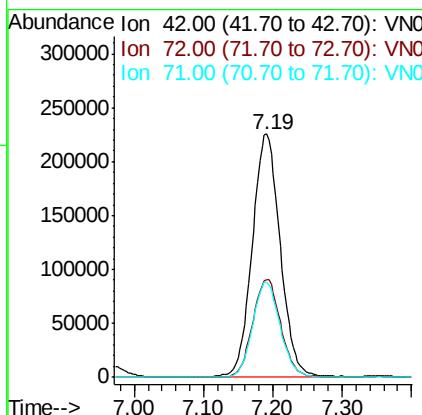
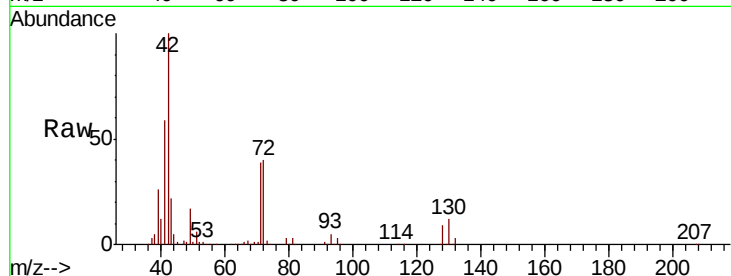
#29
Tetrahydrofuran
Concen: 255.130 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.2	48.2
71	38.4	30.6	45.8

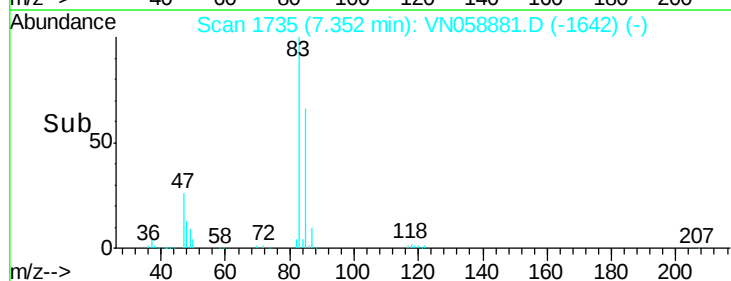
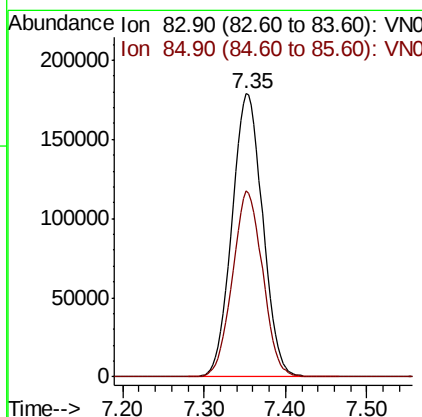
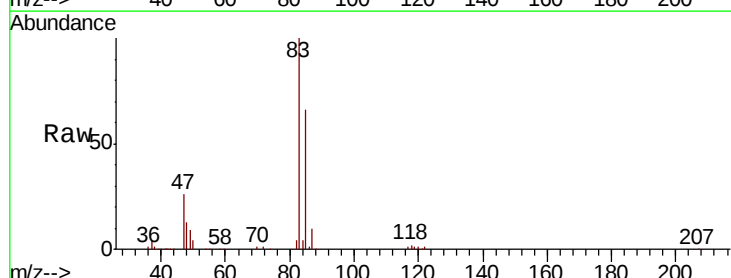
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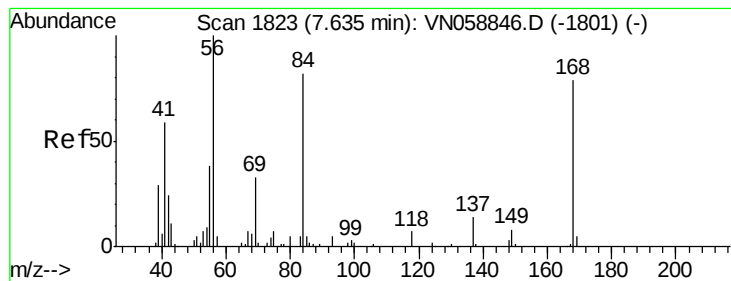
MMDadoda
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#30
Chloroform
Concen: 48.241 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9





#31

Cyclohexane

Concen: 47.832 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 56 Resp: 432752

Ion Ratio Lower Upper

56 100

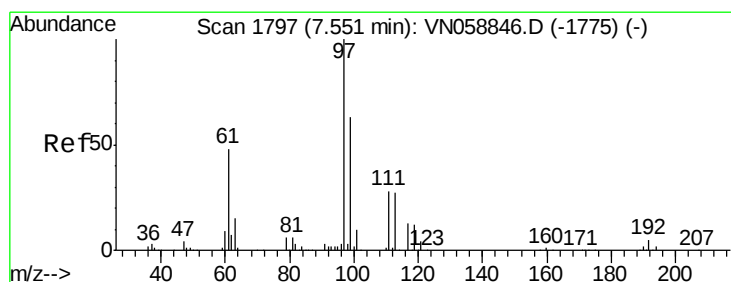
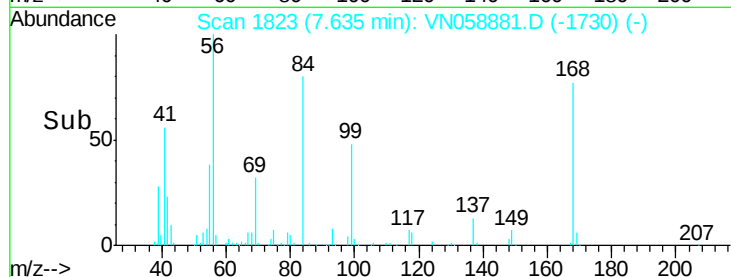
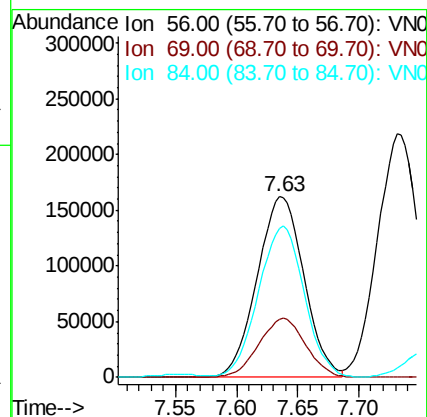
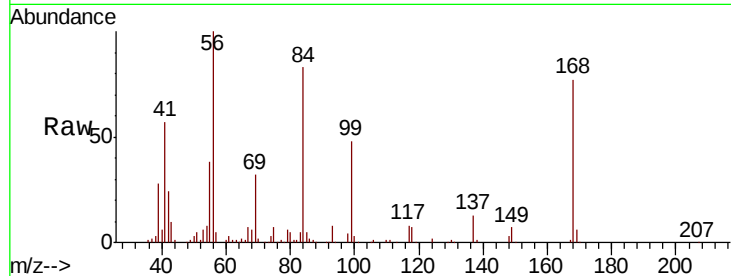
69 32.4 26.2 39.4

84 81.2 65.6 98.4

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#32

1,1,1-Trichloroethane

Concen: 49.436 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

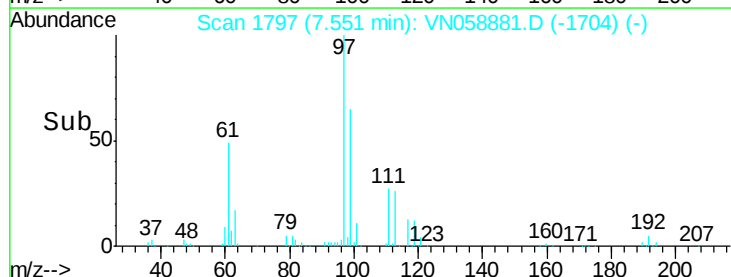
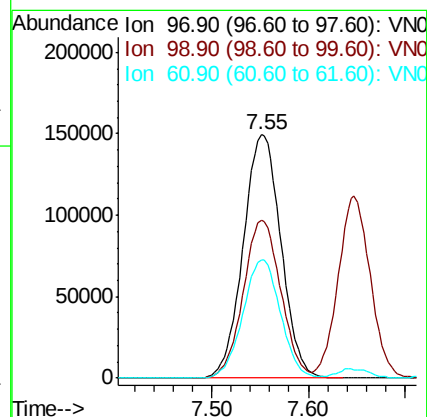
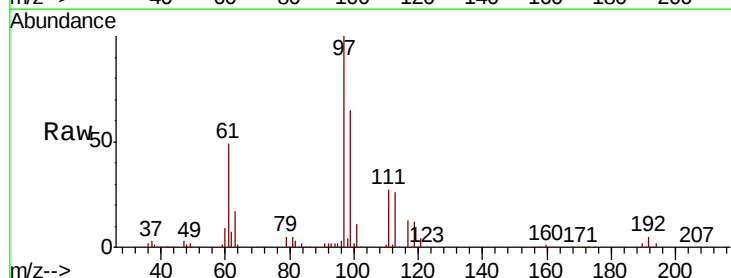
Tgt Ion: 97 Resp: 405930

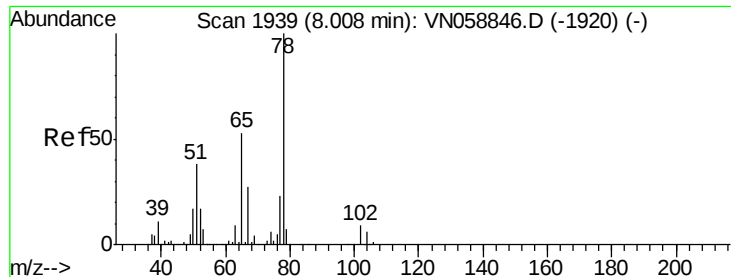
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 48.2 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 49.202 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 65 Resp: 309758

Ion Ratio Lower Upper

65 100

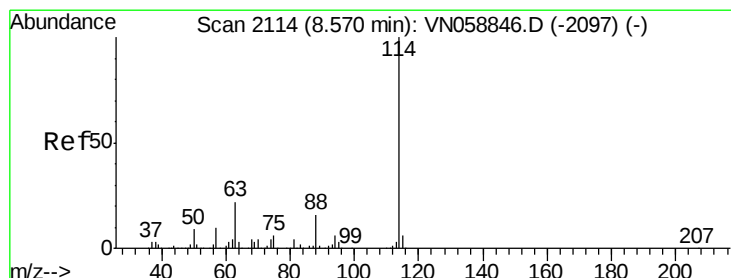
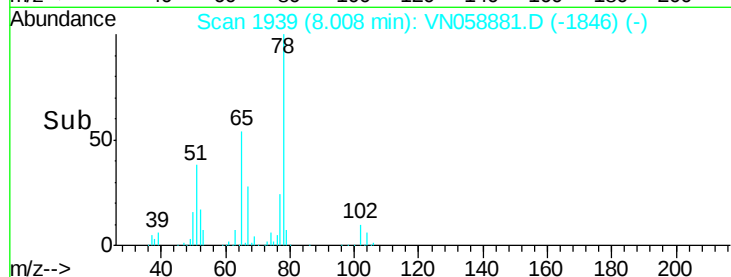
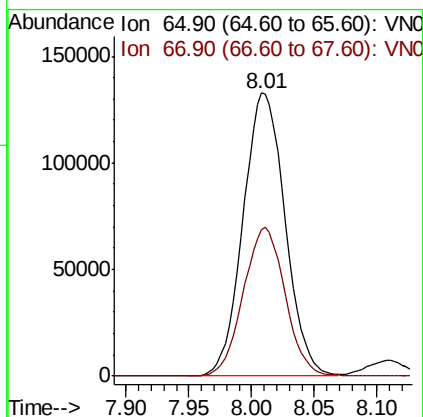
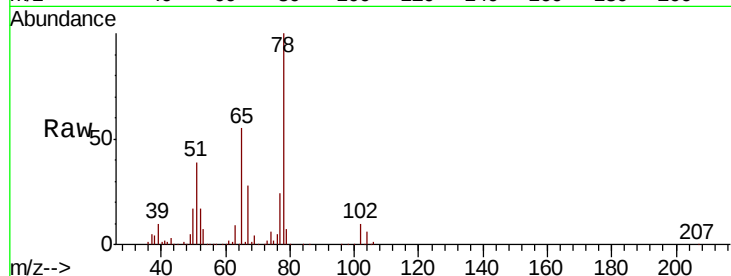
67 52.4 0.0 103.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

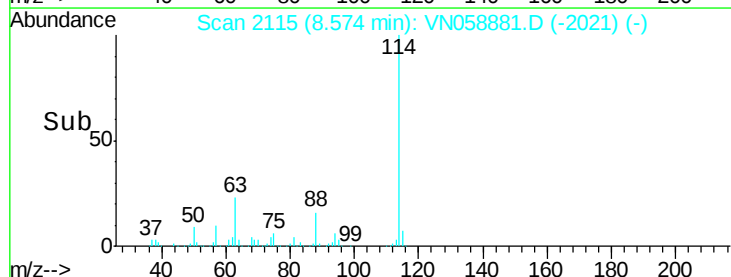
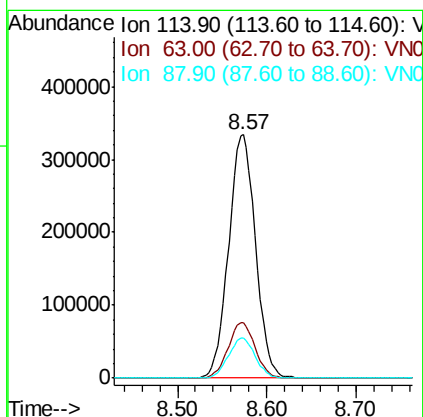
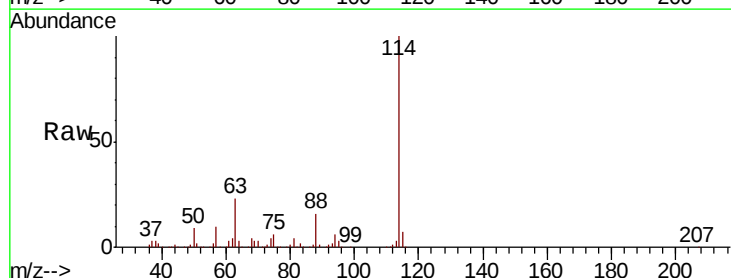
Tgt Ion: 114 Resp: 697462

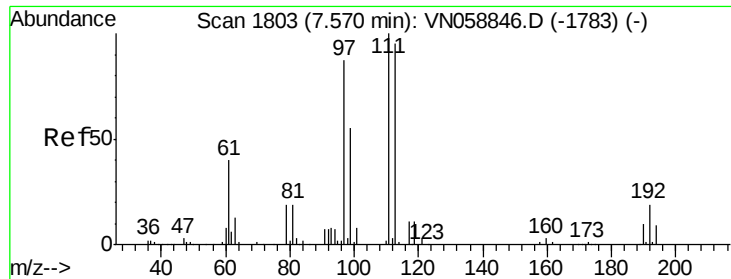
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.4

88 16.5 0.0 31.4





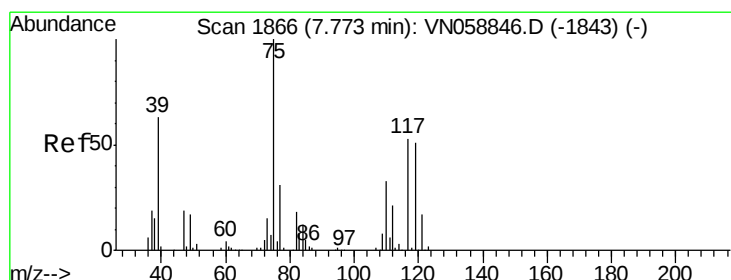
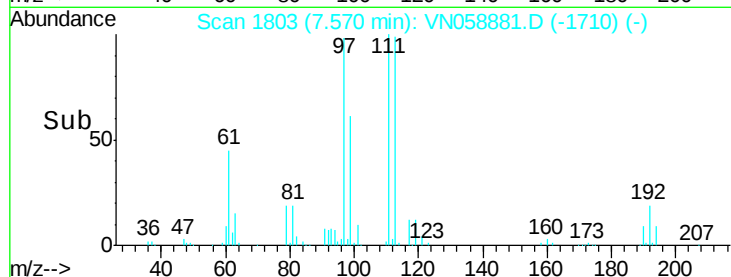
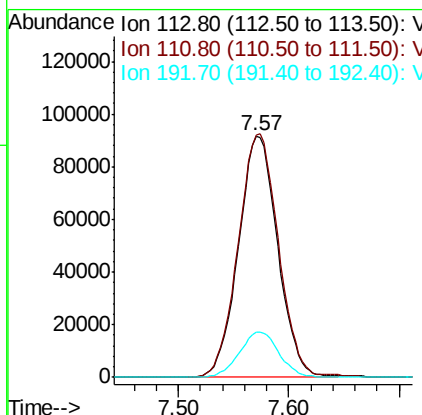
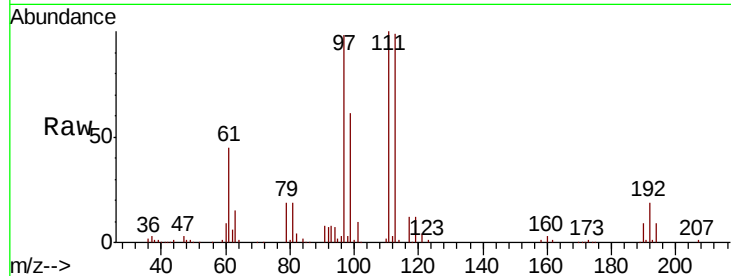
#35
 Dibromofluoromethane
 Concen: 49.265 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	225913		
111	103.0	82.0	123.0	
192	18.9	15.0	22.6	

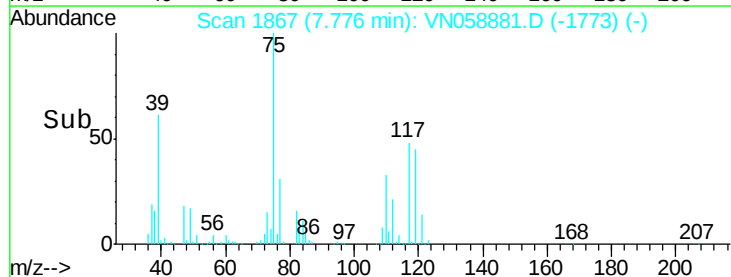
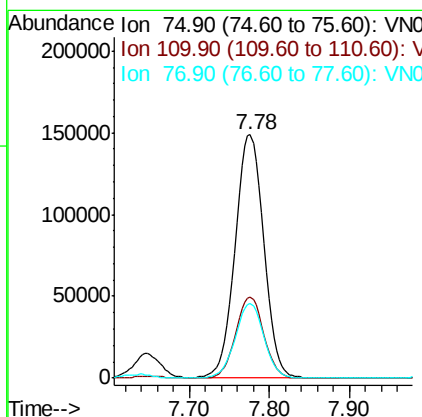
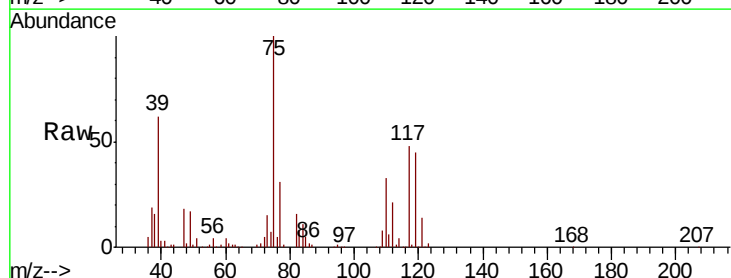
Manual Integrations
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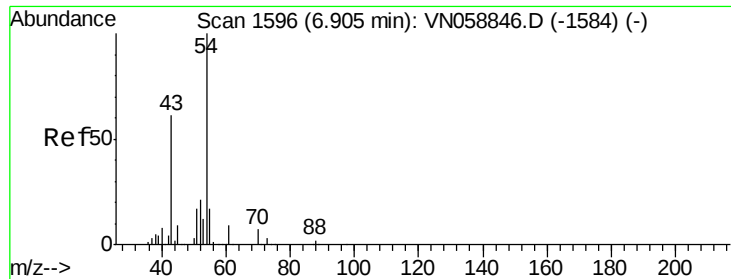
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#36
 1,1-Dichloropropene
 Concen: 50.341 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	359461		
110	32.5	16.3	48.9	
77	30.8	24.6	36.8	





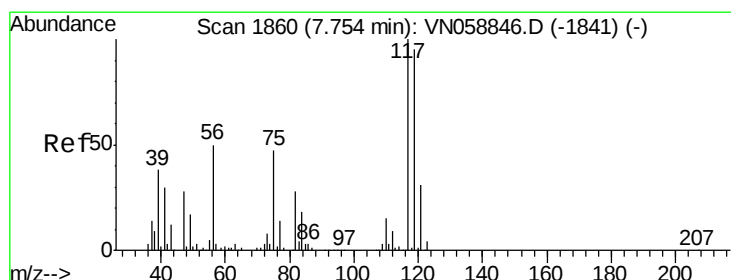
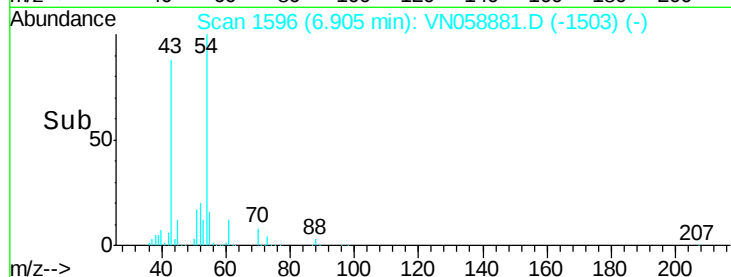
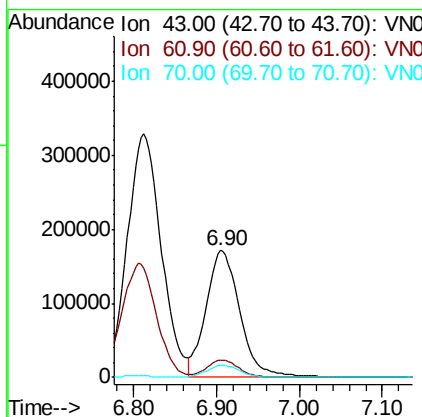
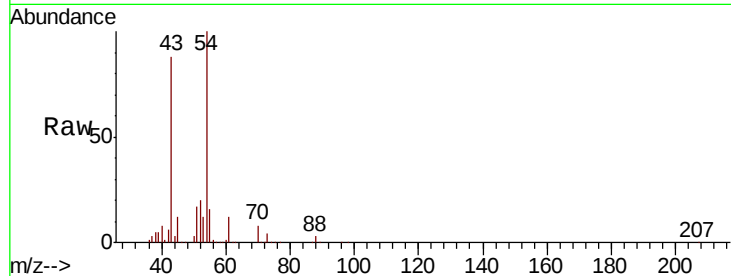
#37
Ethyl Acetate
Concen: 62.053 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.5	10.5	15.7	
70	9.5	7.6	11.4	

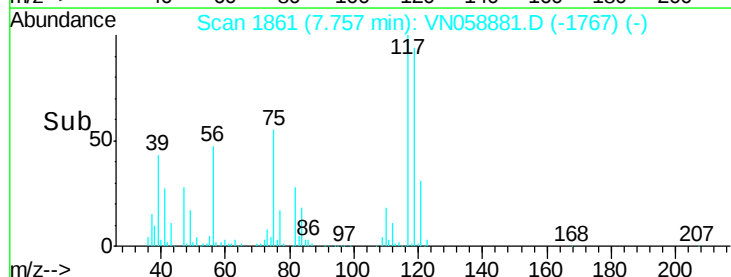
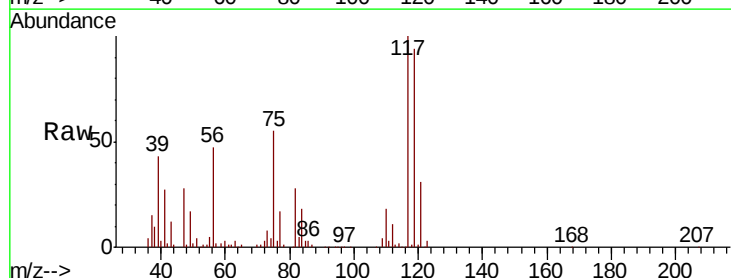
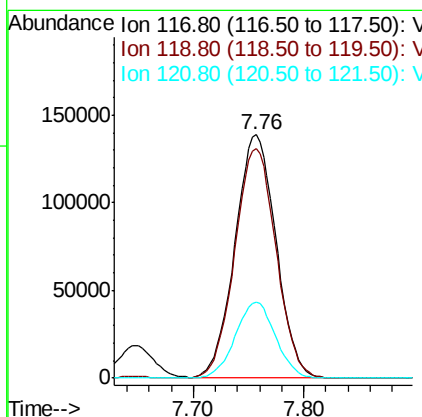
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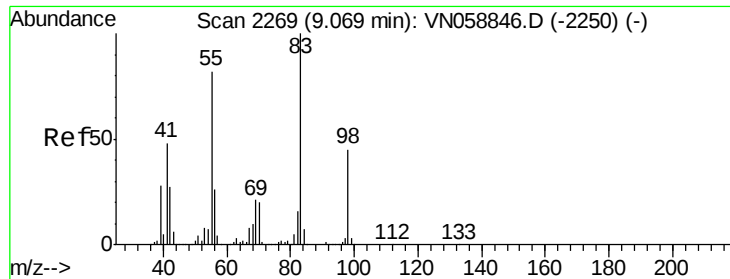
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#38
Carbon Tetrachloride
Concen: 48.421 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.3	75.7	113.5	
121	31.4	25.0	37.6	





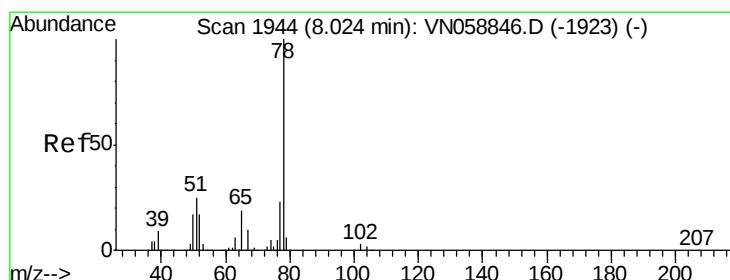
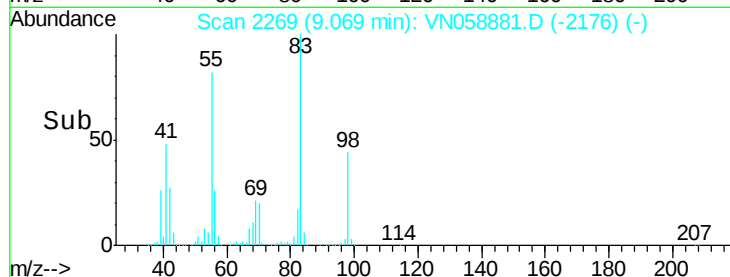
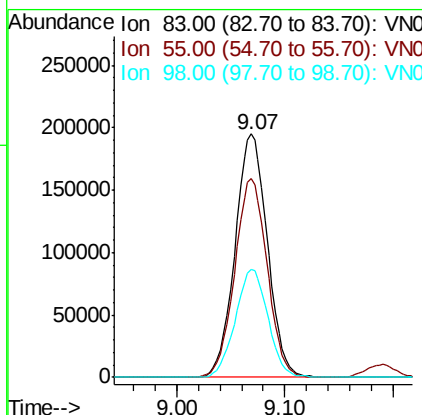
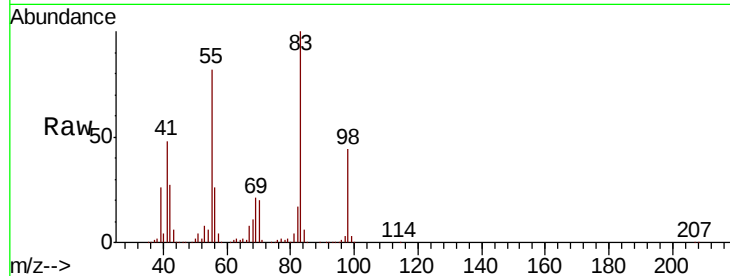
#39
Methvlcvclohexane
Concen: 50.686 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.9	65.5	98.3	
98	44.3	35.7	53.5	

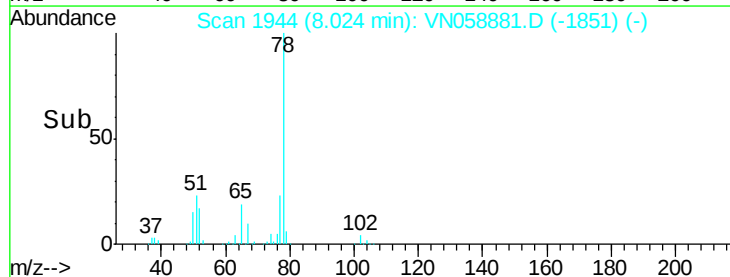
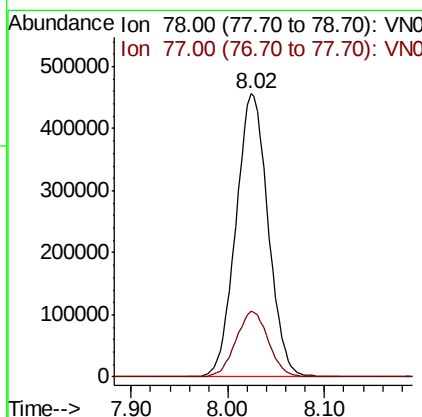
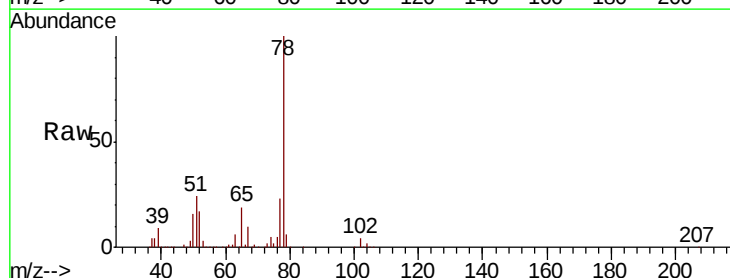
Manual Integrations
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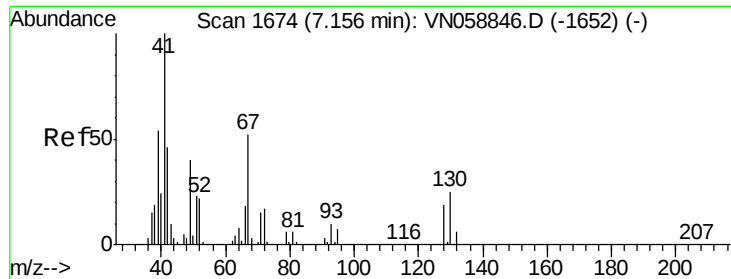
MMDadoda
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#40
Benzene
Concen: 50.393 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	18.2	27.2	





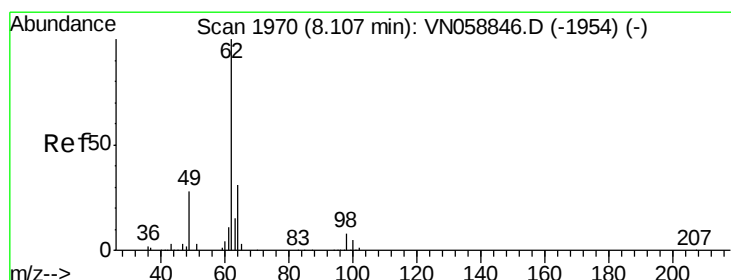
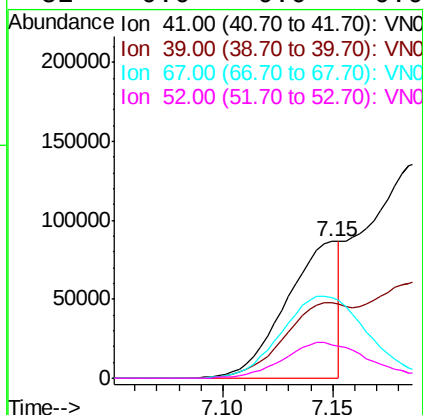
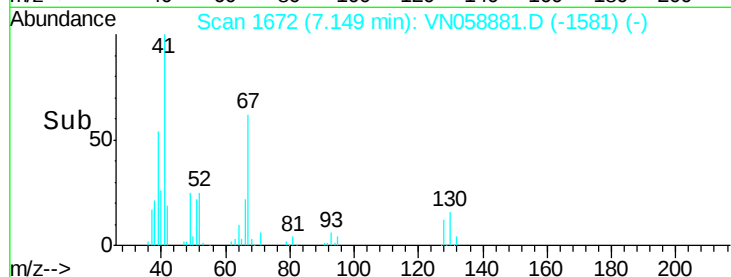
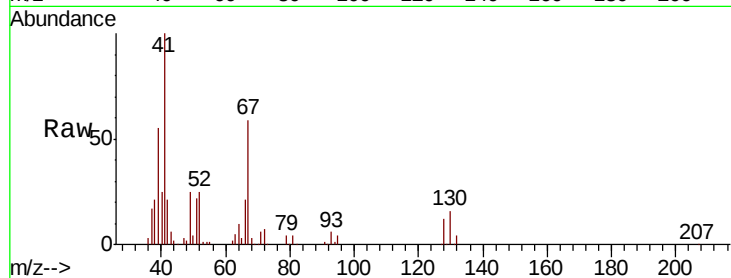
#41
Methacrylonitrile
Concen: 42.031 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

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

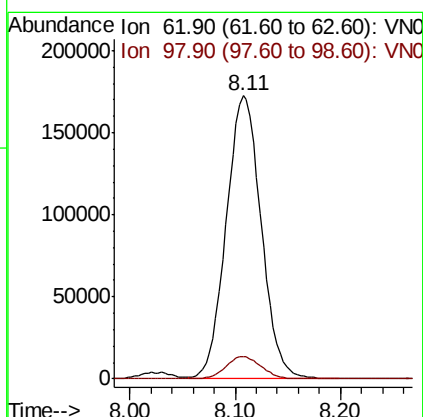
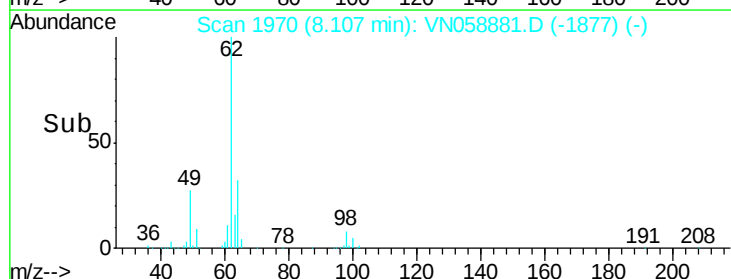
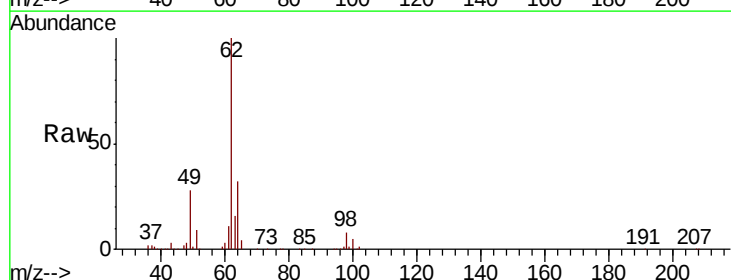
Manual Integrations
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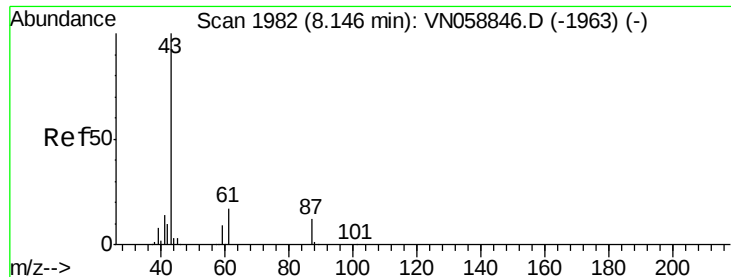
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#42
1,2-Dichloroethane
Concen: 48.990 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.0	0.0	16.2		





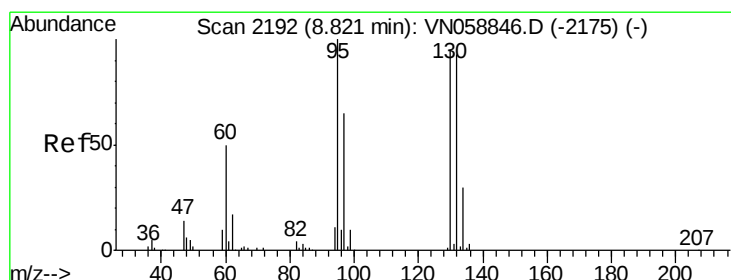
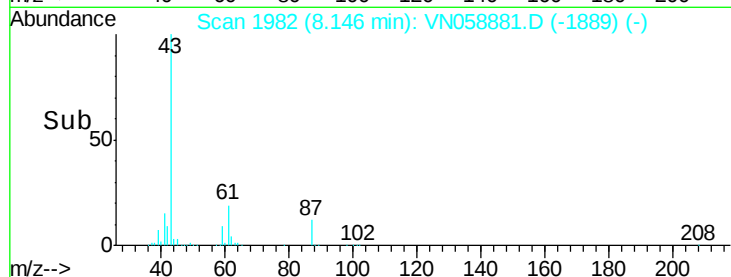
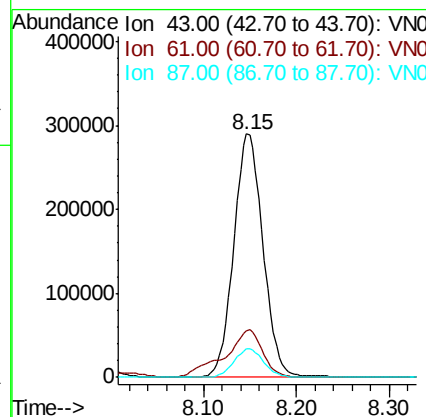
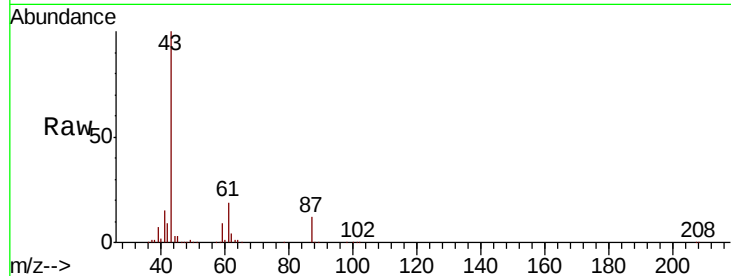
#43
Isopropyl Acetate
Concen: 50.671 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.2	30.2
87	11.9	9.5	14.3

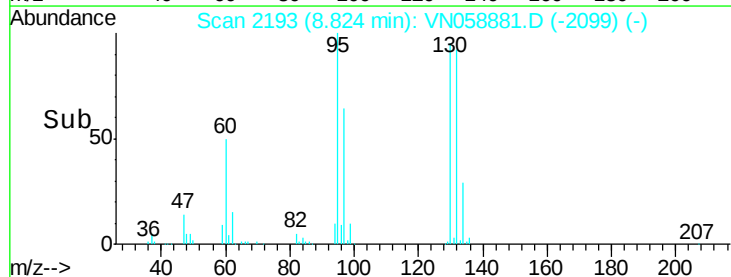
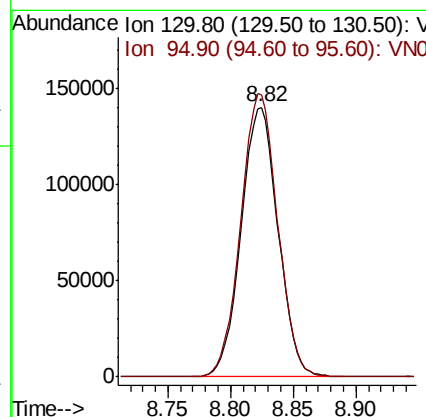
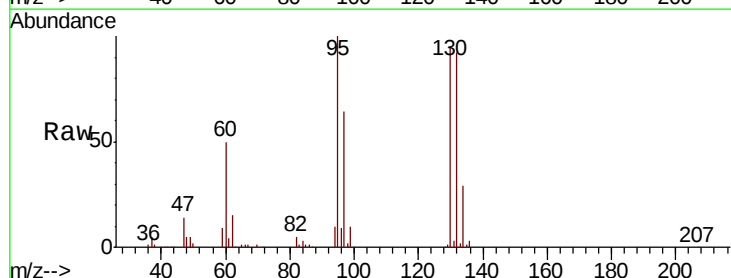
Manual Integrations
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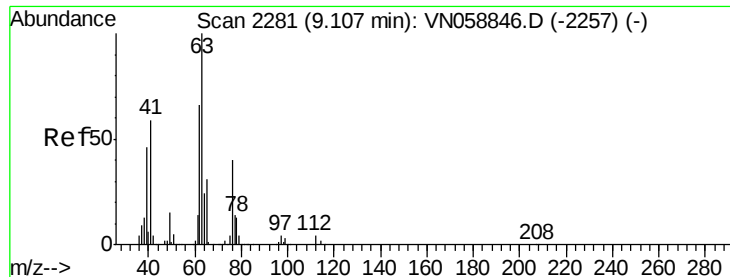
MMDadoda
10/22/2019 4:55:24 PM



#44
Trichloroethene
Concen: 56.238 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	209.6





#45

1,2-Dichloropropane

Concen: 50.085 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 63 Resp: 287975

Ion Ratio Lower Upper

63 100

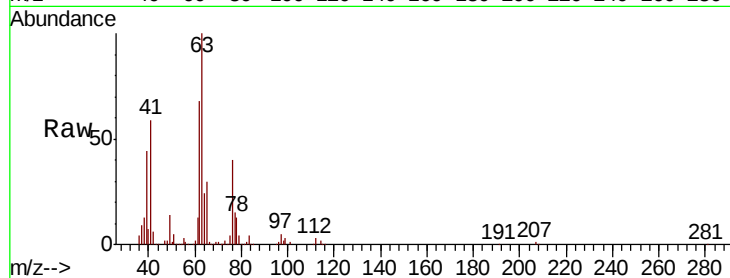
65 30.5 24.5 36.7

Manual Integrations

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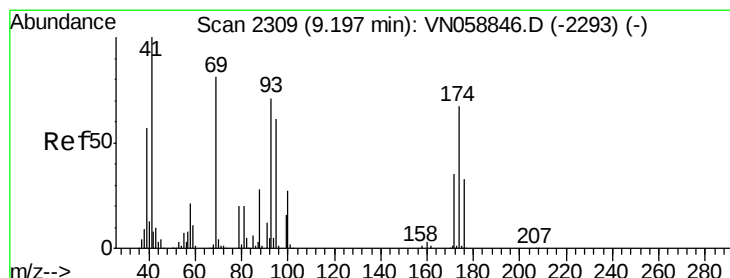
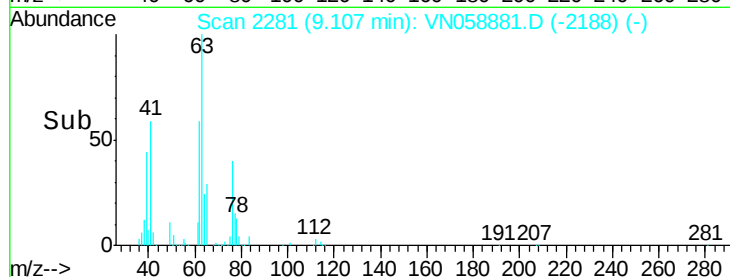
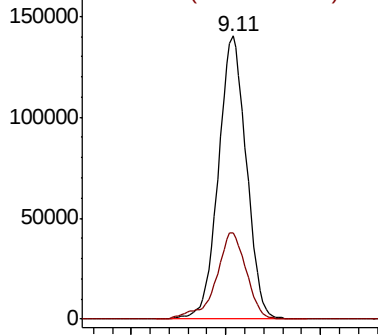
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.248 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

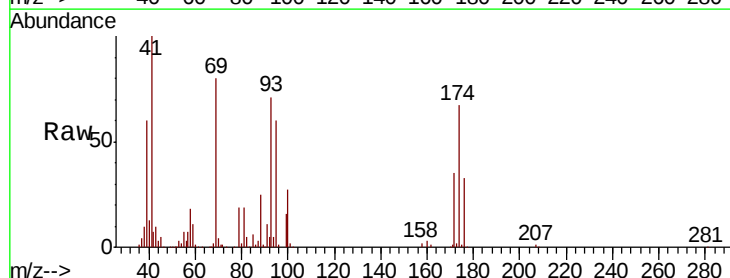
Tgt Ion: 93 Resp: 179009

Ion Ratio Lower Upper

93 100

95 84.3 67.6 101.4

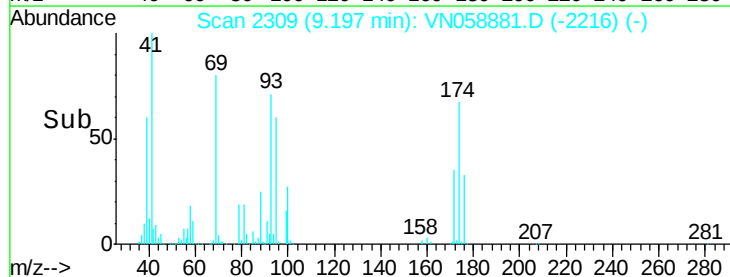
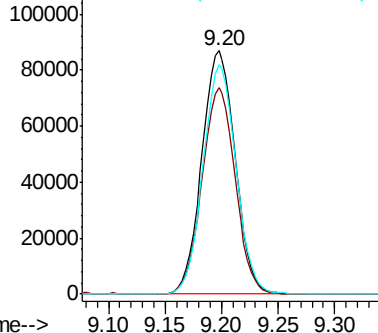
174 93.4 74.1 111.1

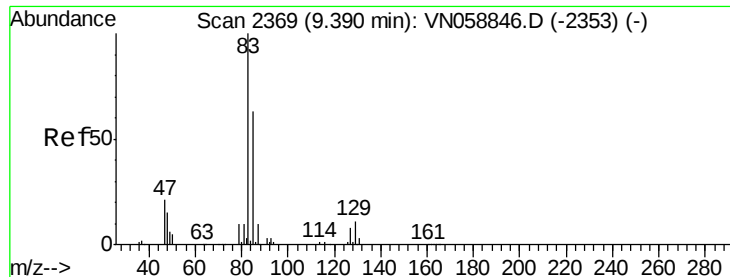


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): VN0





#47

Bromodichloromethane

Concen: 50.180 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

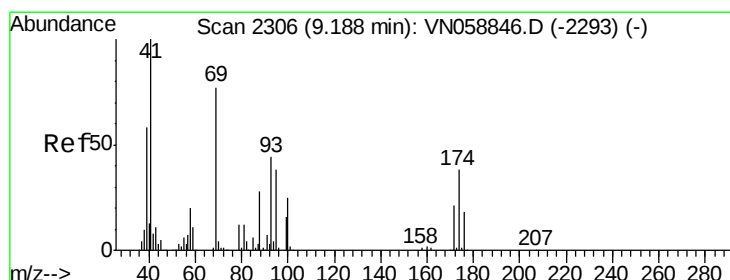
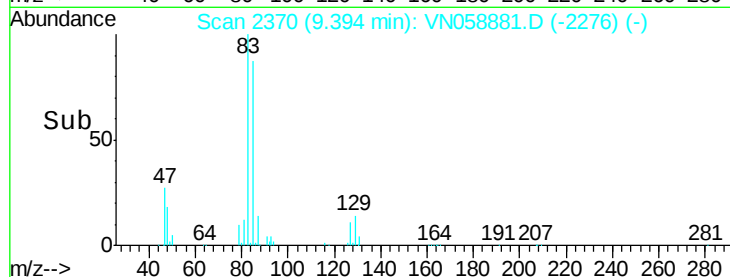
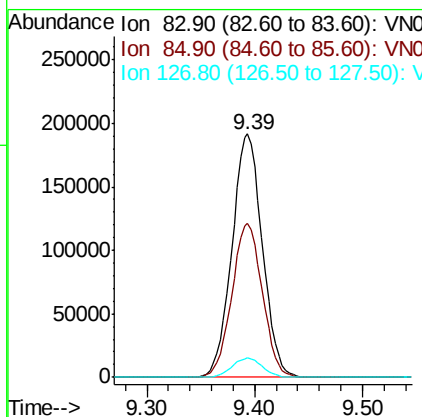
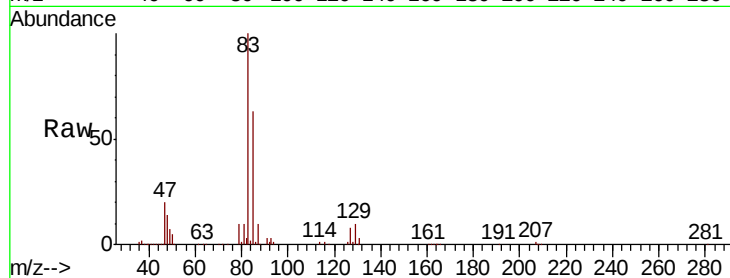
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:	83	Resp:	375930
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.6	75.8
127	7.8	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.144 ug/l

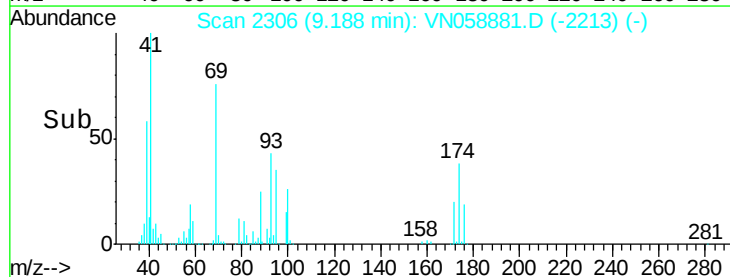
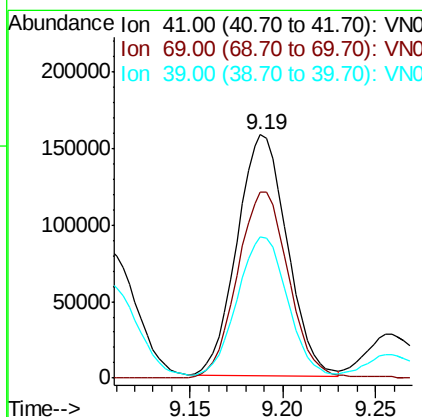
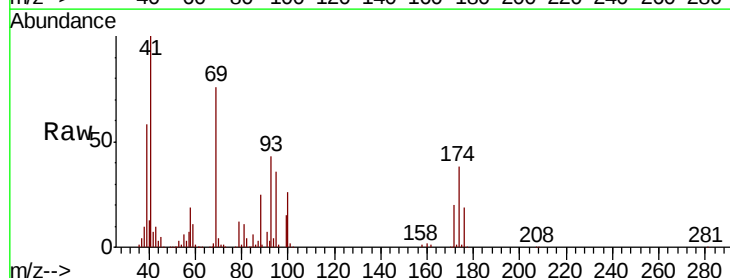
RT: 9.19 min Scan# 2306

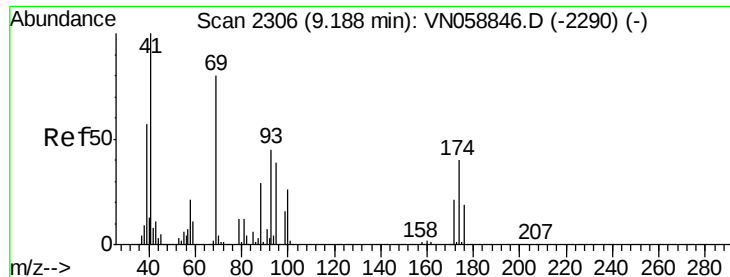
Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion:	41	Resp:	295207
Ion Ratio	Lower	Upper	
41	100		
69	79.3	63.8	95.6
39	59.5	47.8	71.8





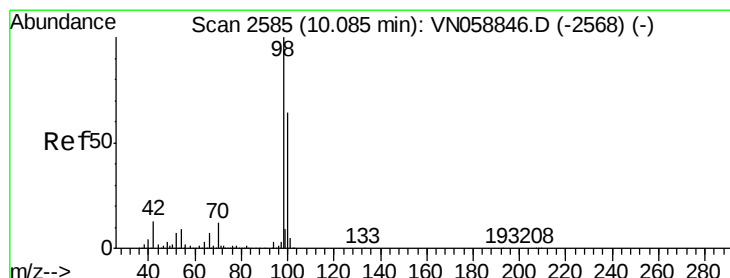
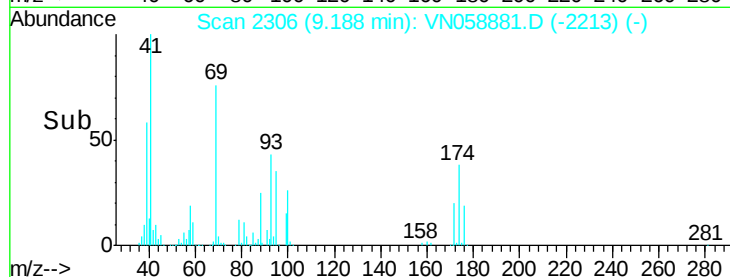
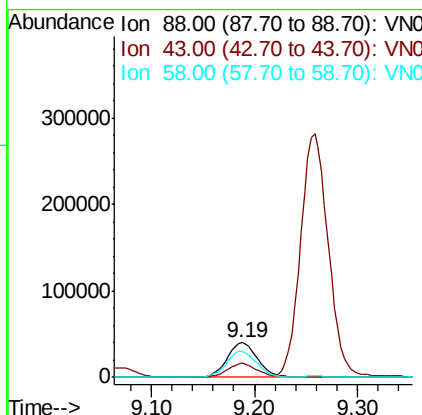
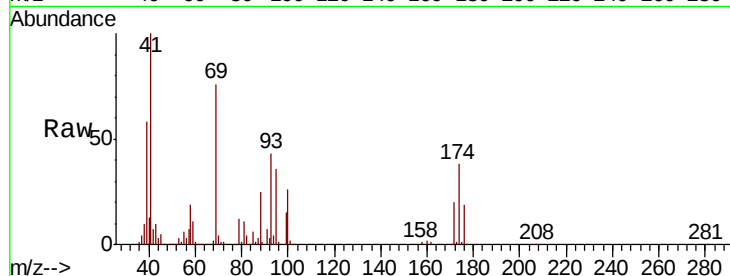
#49
1,4-Dioxane
Concen: 894.317 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	88	Resp	83114
Ion Ratio	Lower	Upper	
88	100		
43	37.1	29.1	43.7
58	74.2	59.4	89.0

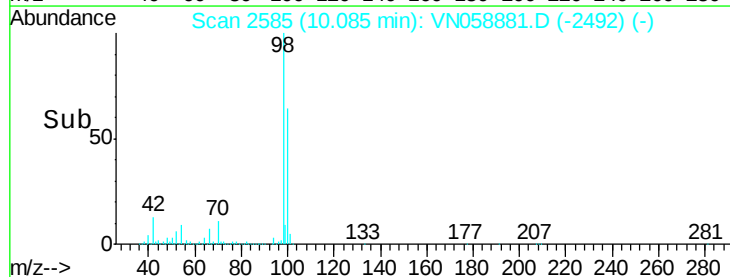
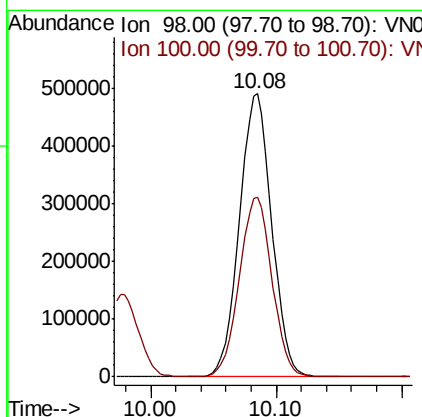
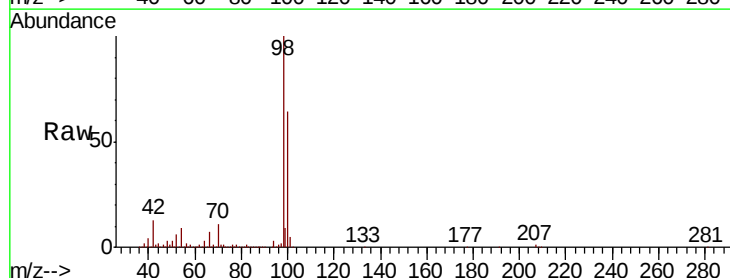
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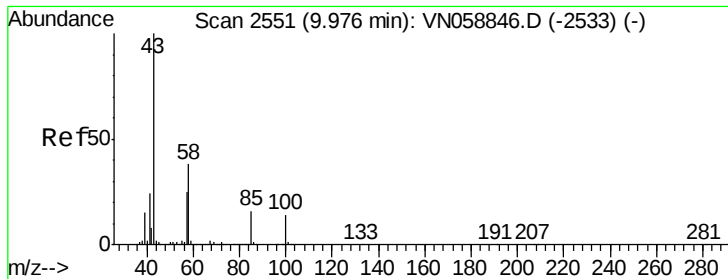
MMDadoda
10/22/2019 4:55:24 PM



#50
Toluene-d8
Concen: 49.441 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	98	Resp	880092
Ion Ratio	Lower	Upper	
98	100		
100	63.9	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 267.103 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 43 Resp: 1946761

Ion Ratio Lower Upper

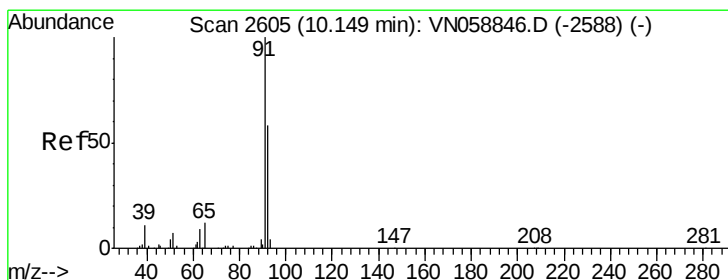
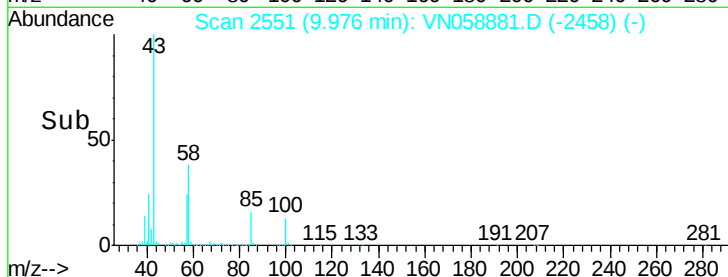
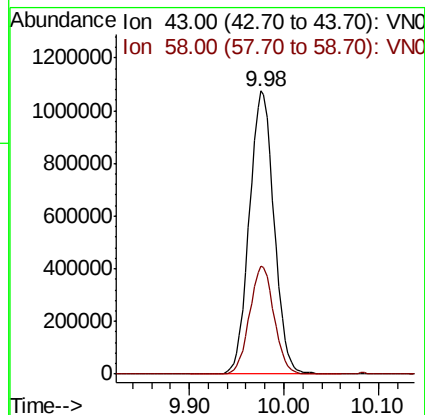
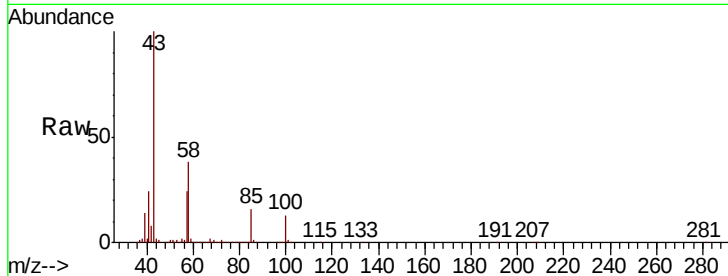
43 100

58 37.7 29.9 44.9

Manual Integrations
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#52

Toluene

Concen: 51.307 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058881.D

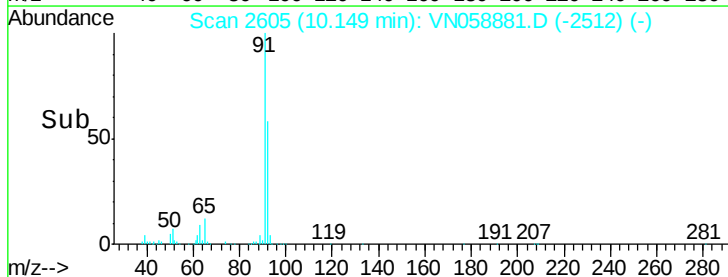
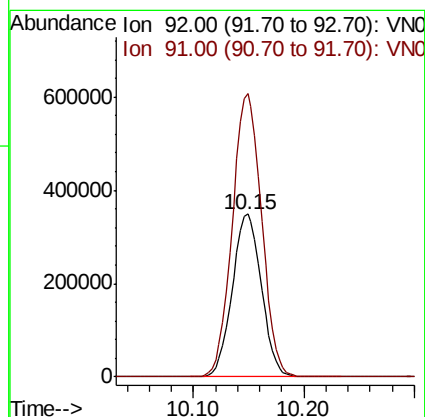
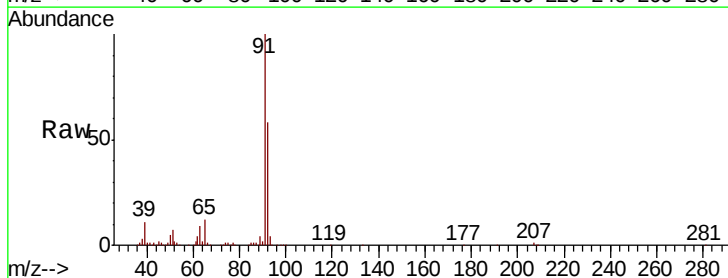
Acq: 21 Oct 2019 12:33

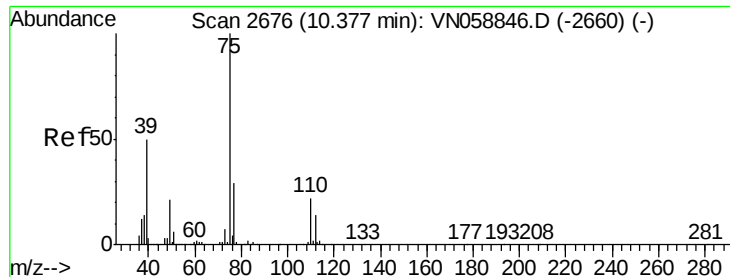
Tgt Ion: 92 Resp: 637971

Ion Ratio Lower Upper

92 100

91 175.4 138.9 208.3





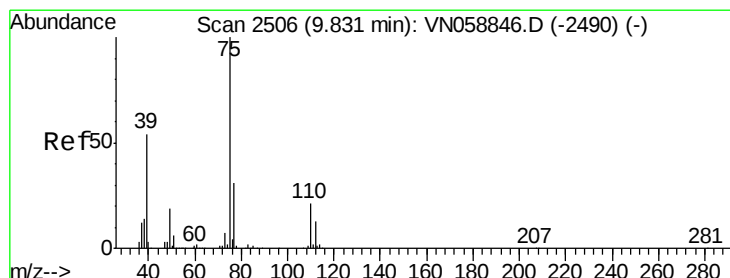
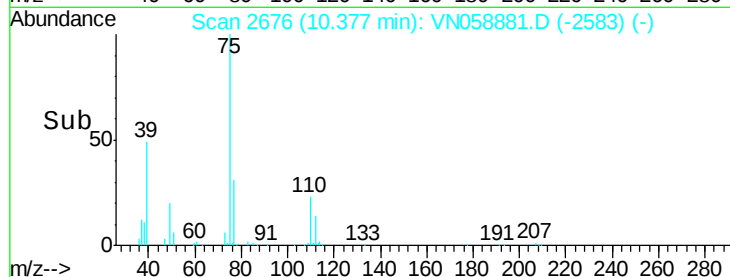
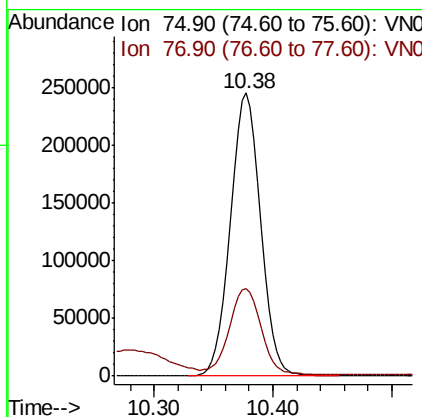
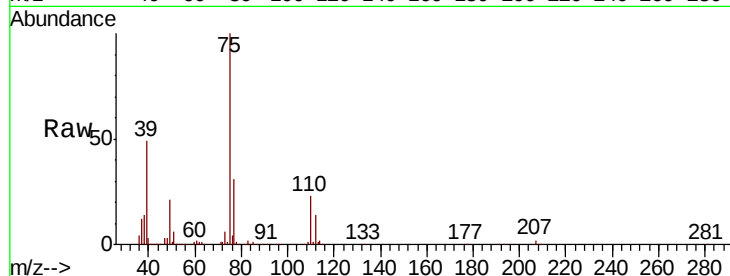
#53
t-1,3-Dichloropropene
Concen: 51.783 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.7	38.5

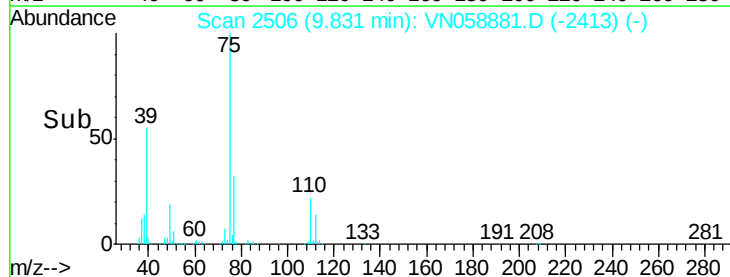
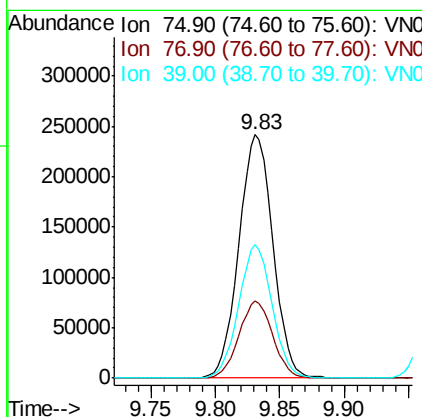
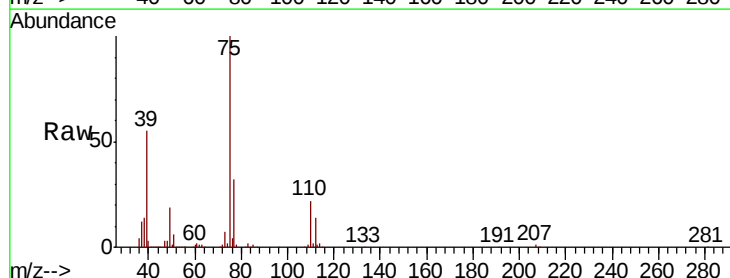
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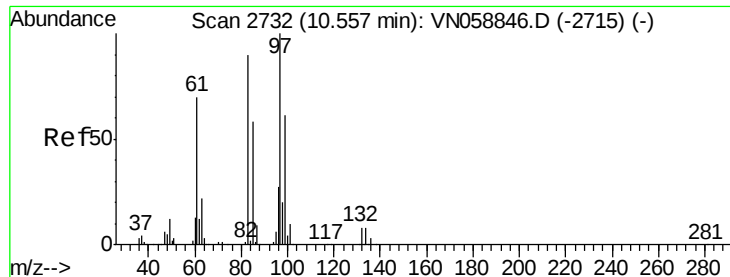
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.210 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.7	37.1
39	54.8	43.5	65.3





#55

1,1,2-Trichloroethane

Concen: 48.865 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 97 Resp: 250305

Ion Ratio Lower Upper

97 100

83 90.5 72.2 108.4

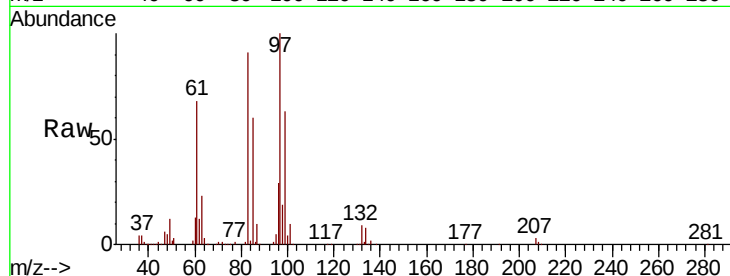
85 59.6 46.2 69.2

99 62.7 48.7 73.1

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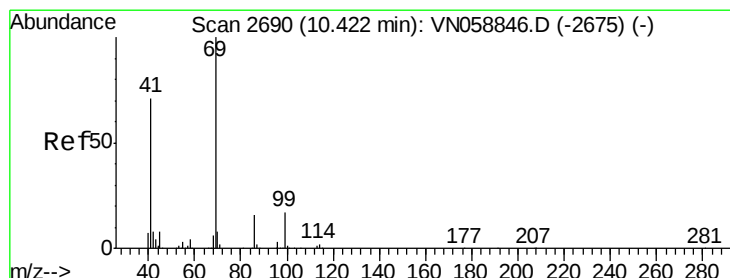
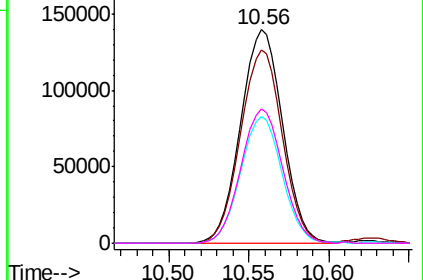
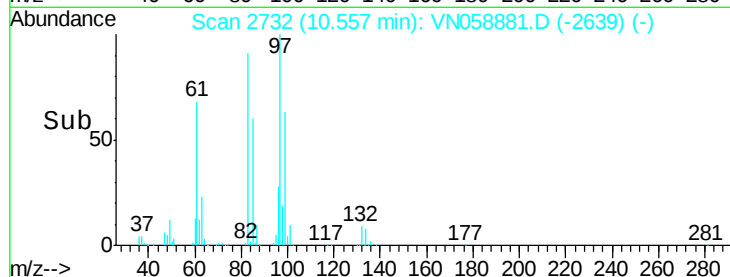


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.051 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

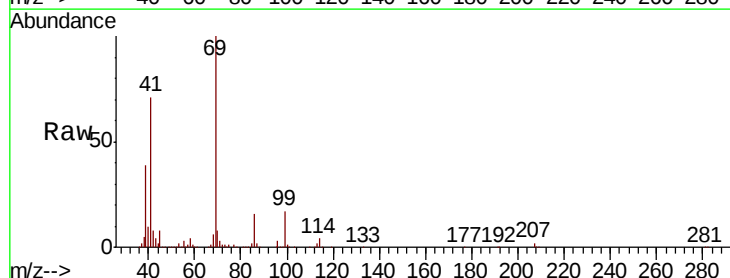
Tgt Ion: 69 Resp: 403740

Ion Ratio Lower Upper

69 100

41 71.2 57.2 85.8

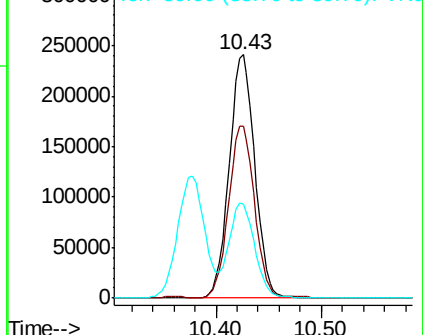
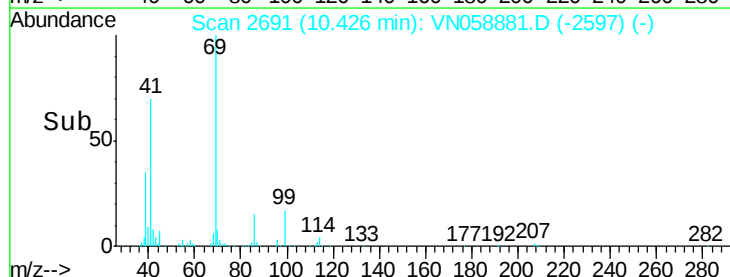
39 38.8 31.0 46.4



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.829 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 76 Resp: 447986

Ion Ratio Lower Upper

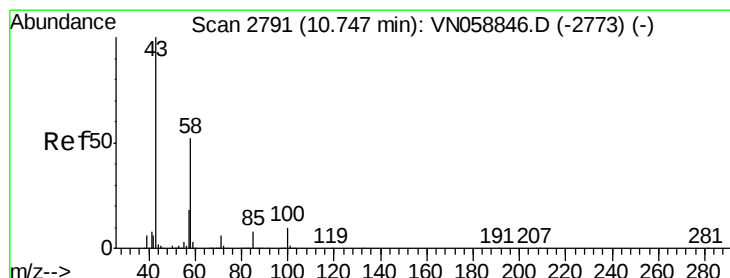
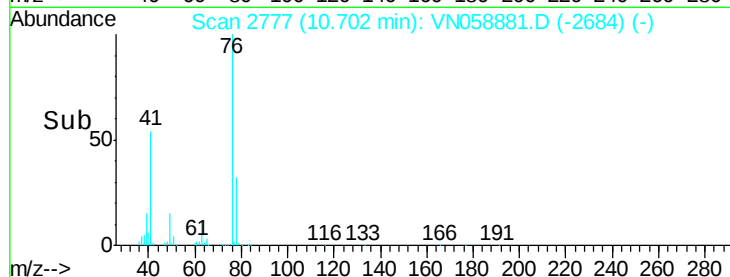
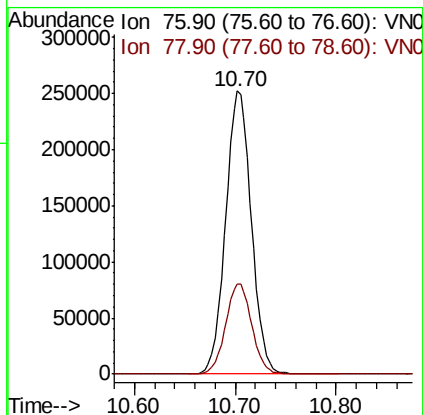
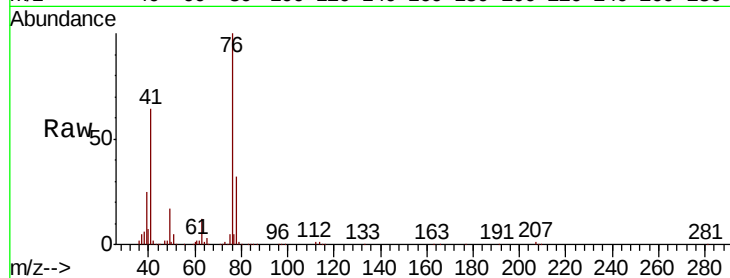
76 100

78 32.7 25.4 38.0

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#59

2-Hexanone

Concen: 261.401 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN058881.D

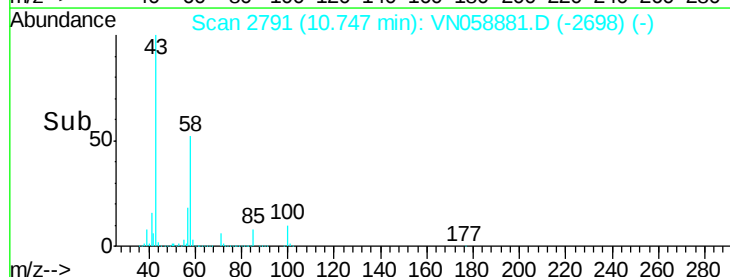
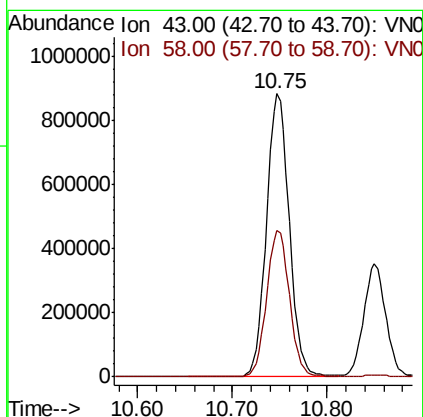
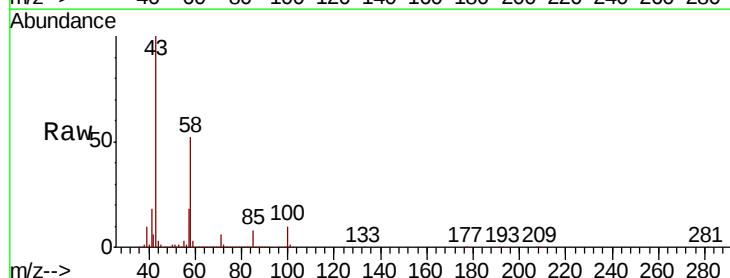
Acq: 21 Oct 2019 12:33

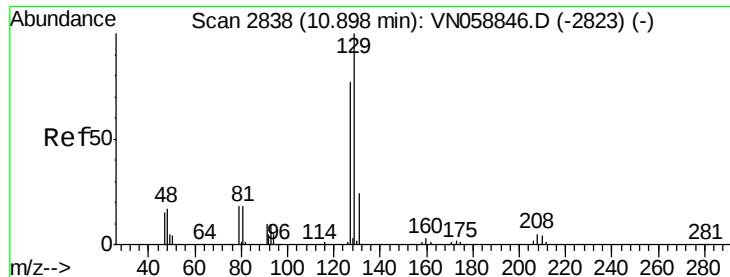
Tgt Ion: 43 Resp: 1472209

Ion Ratio Lower Upper

43 100

58 52.1 25.9 77.7





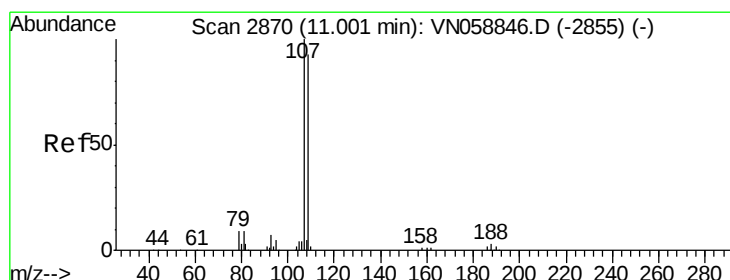
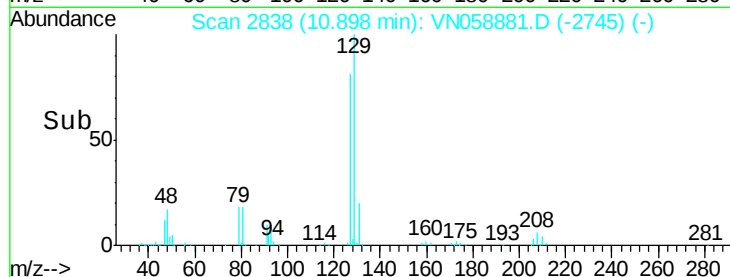
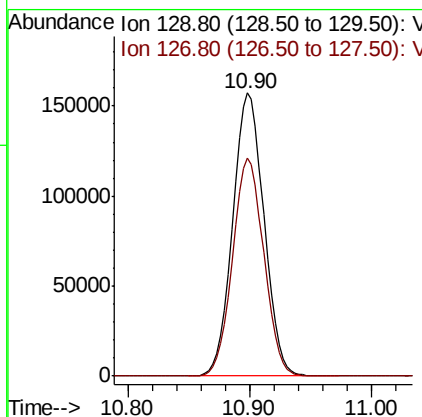
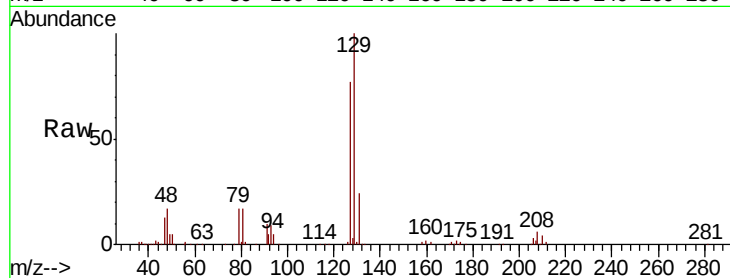
#60
 Dibromochloromethane
 Concen: 50.621 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.1	117.3

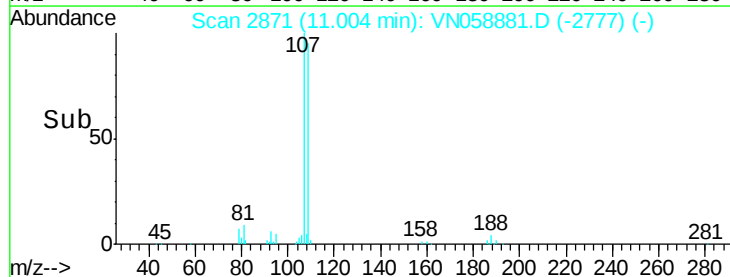
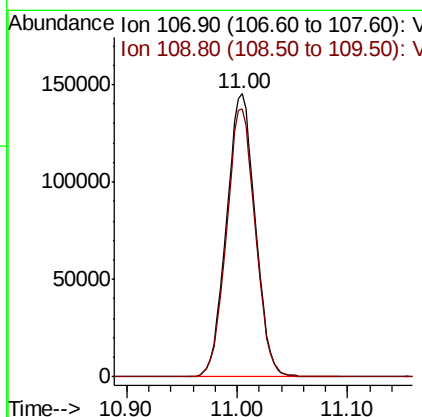
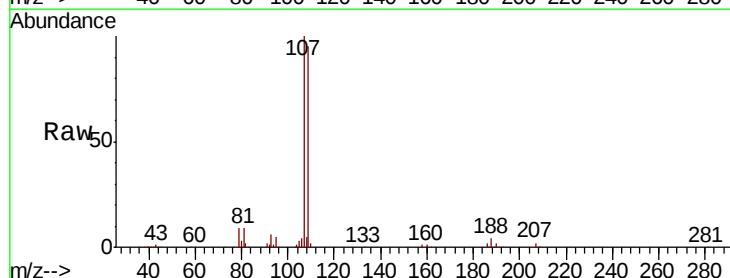
Manual Integrations
 APPROVED

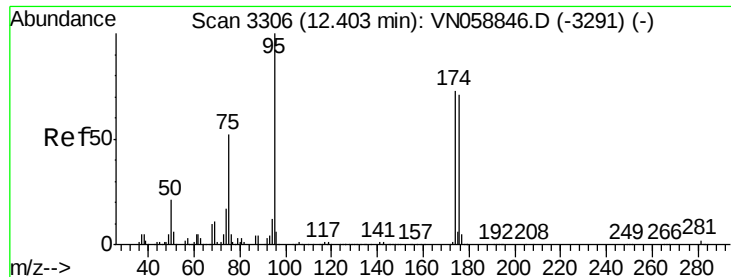
MMDadoda
 10/22/2019 4:55:24 PM



#61
 1,2-Dibromoethane
 Concen: 50.249 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.2	112.8





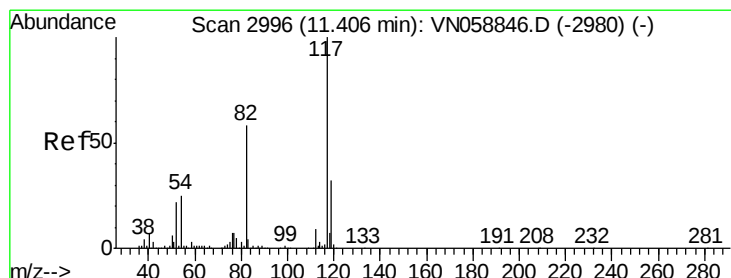
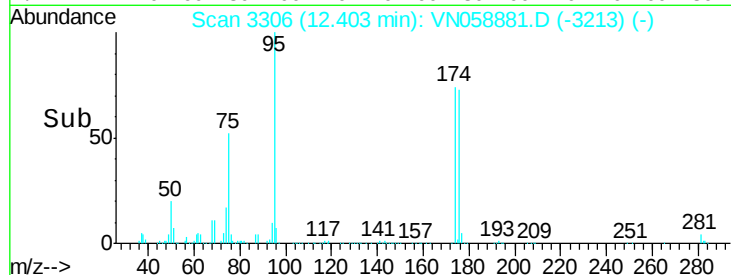
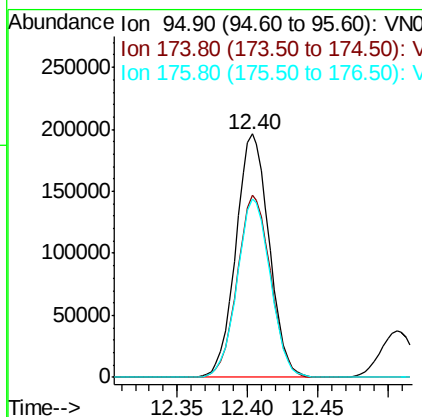
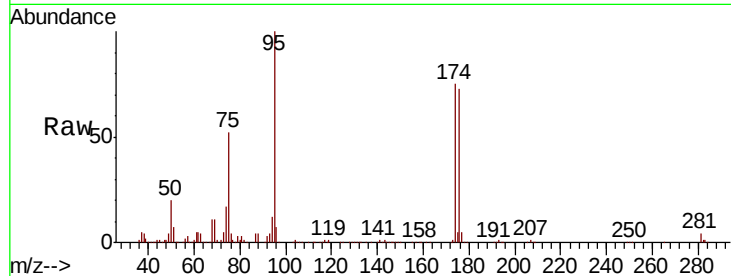
#62
4-Bromofluorobenzene
Concen: 49.642 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	324507		
174	75.0	0.0	147.6	
176	73.3	0.0	143.2	

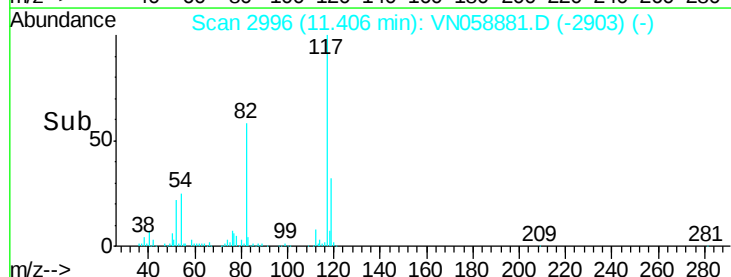
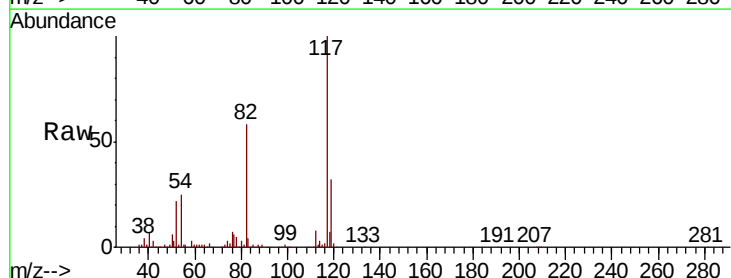
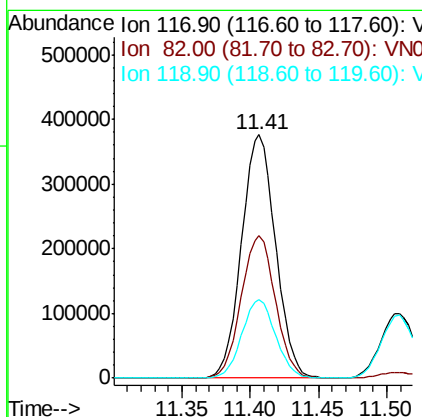
Manual Integrations
APPROVED

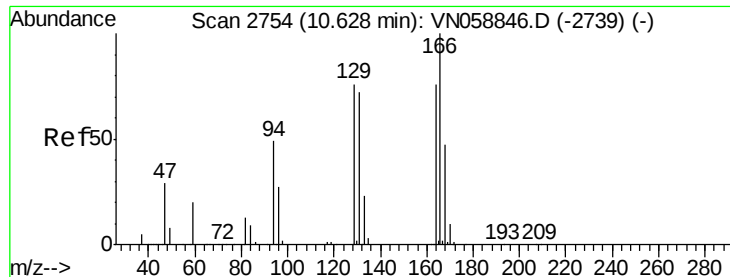
MMDadoda
10/22/2019 4:55:24 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	650568		
82	58.4	46.6	69.8	
119	32.1	25.6	38.4	





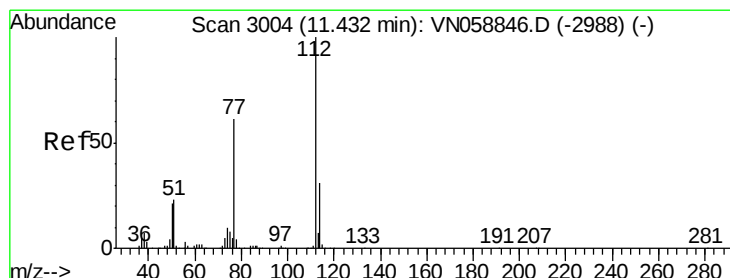
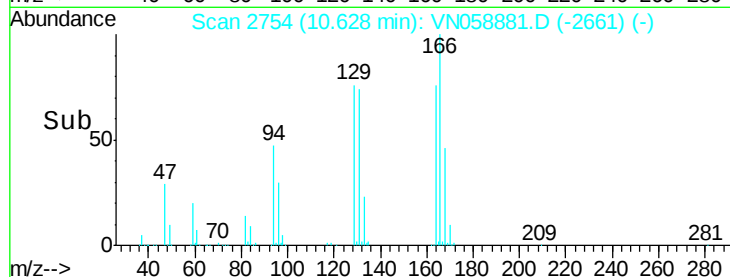
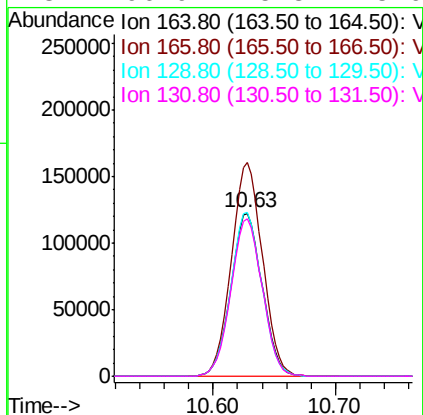
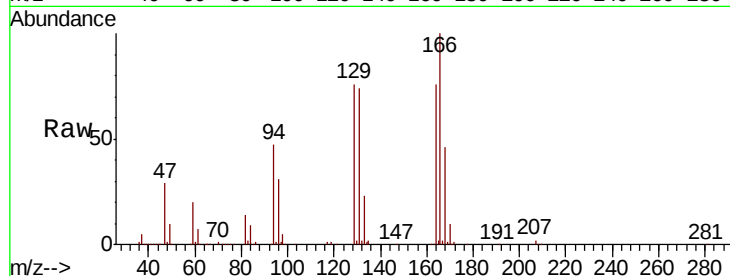
#64
Tetrachloroethene
Concen: 47.985 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	131.1	104.8	157.2
129	100.3	79.3	118.9
131	96.9	75.8	113.6

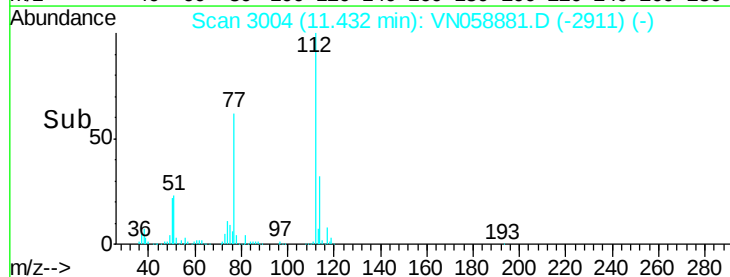
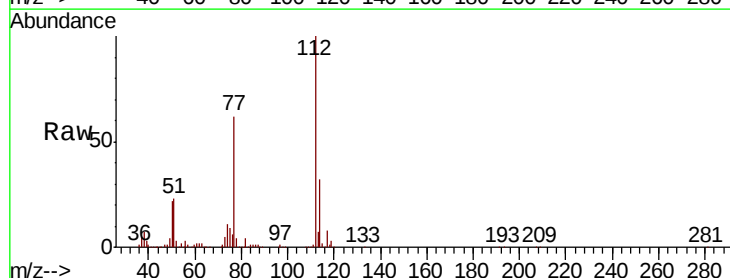
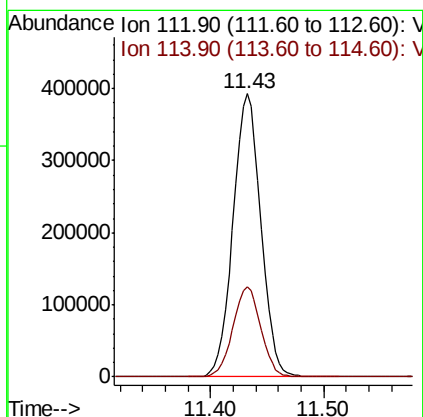
Manual Integrations
APPROVED

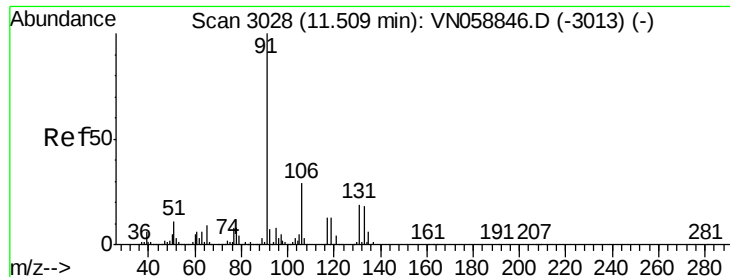
MMDadoda
10/22/2019 4:55:24 PM



#65
Chlorobenzene
Concen: 50.636 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.1	37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 50.257 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

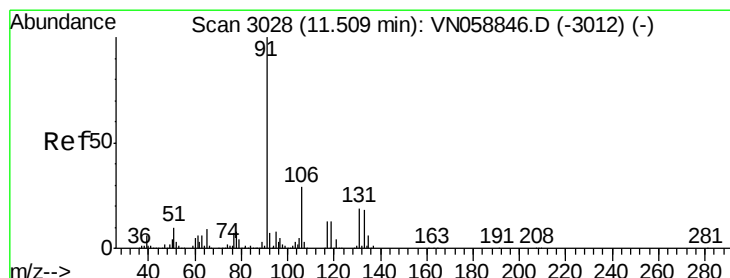
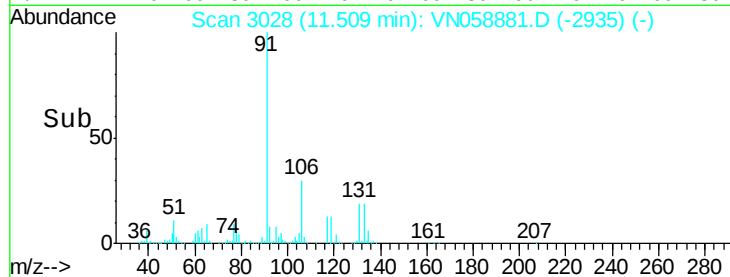
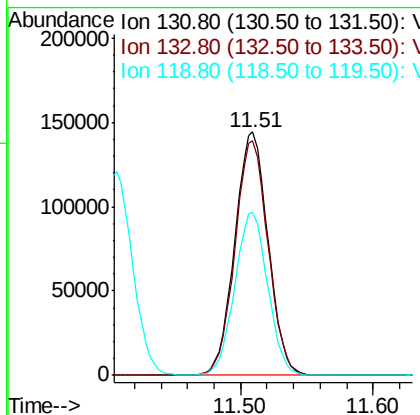
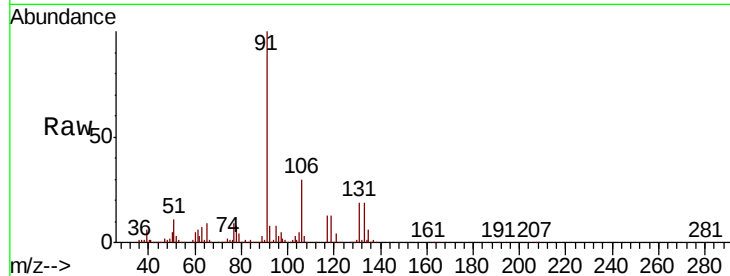
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:	131	Resp:	251183
Ion Ratio	Lower	Upper	
131	100		
133	95.5	48.4	145.2
119	66.4	33.6	100.8

Manual Integrations
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#67

Ethyl Benzene

Concen: 53.324 ug/l

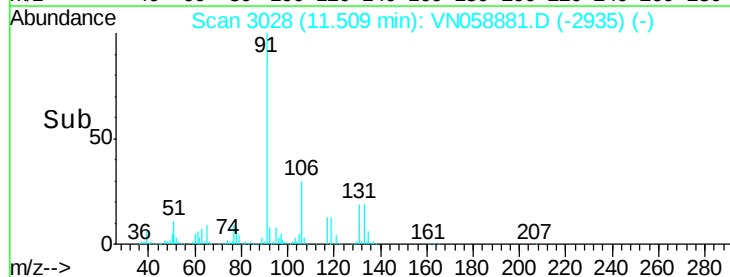
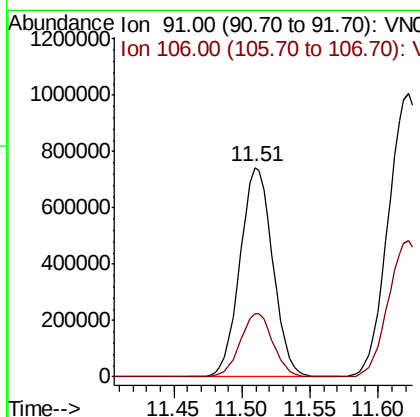
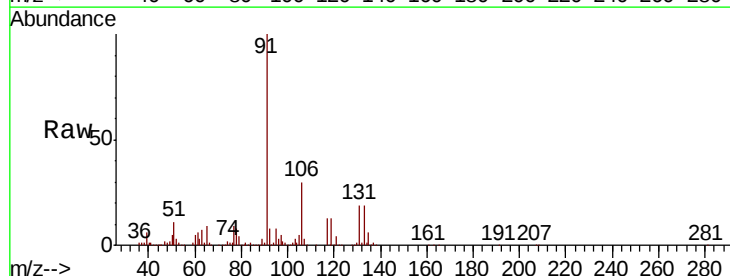
RT: 11.51 min Scan# 3028

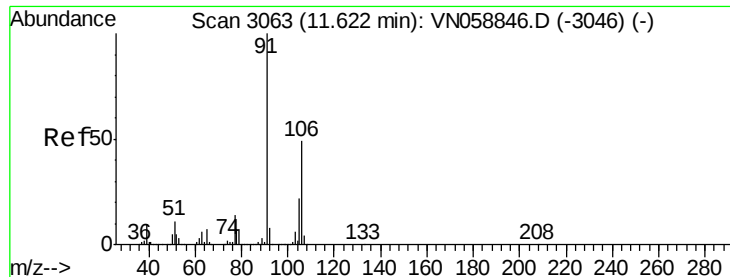
Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion:	91	Resp:	1238950
Ion Ratio	Lower	Upper	
91	100		
106	30.1	23.4	35.0





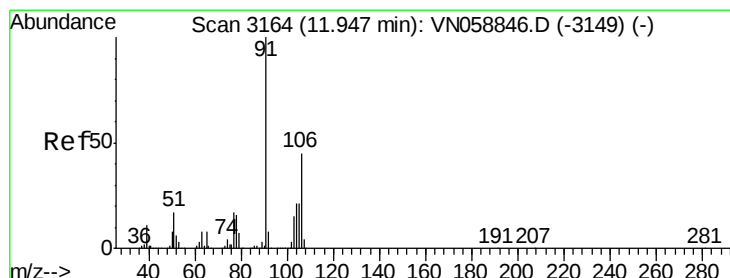
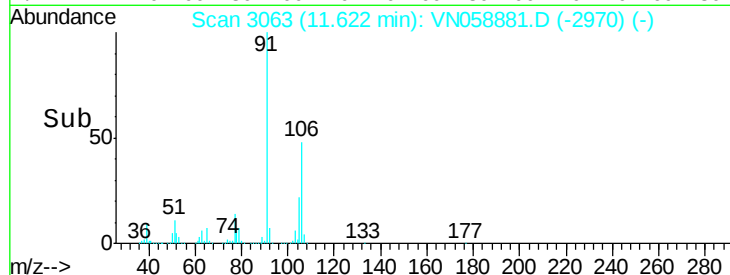
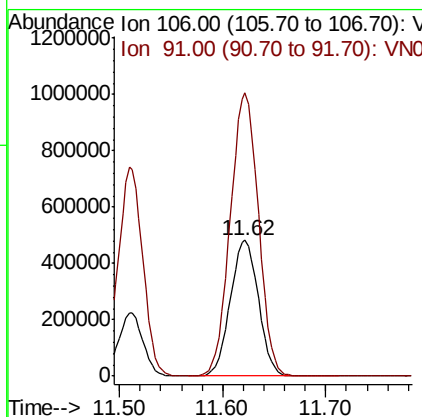
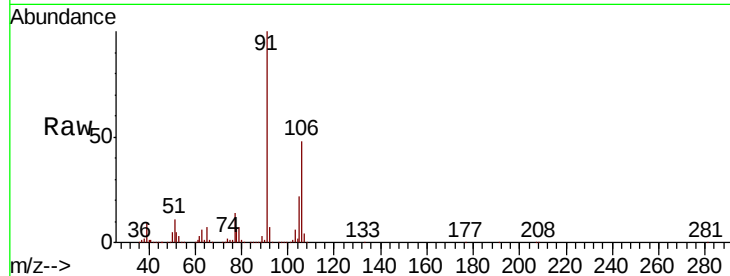
#68
m/p-Xylenes
Concen: 106.389 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion:106 Resp: 916685
Ion Ratio Lower Upper
106 100
91 208.7 166.6 249.8

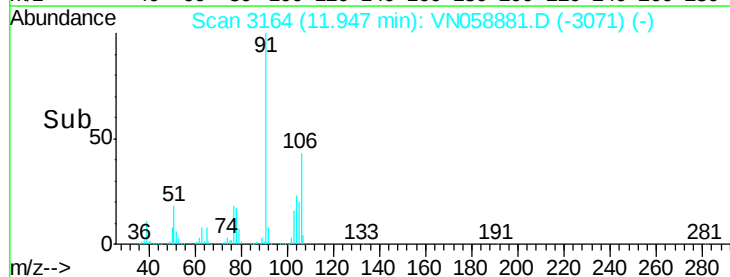
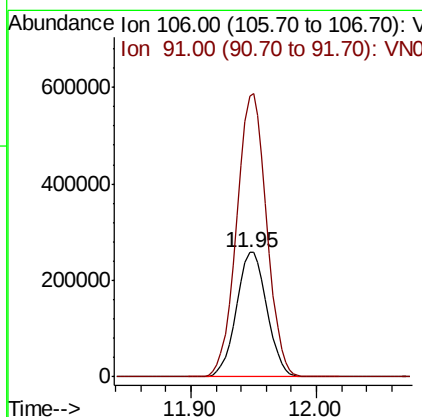
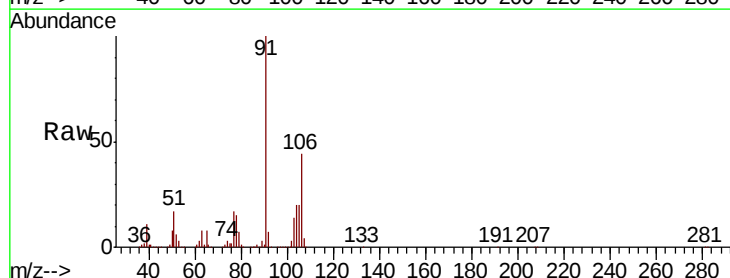
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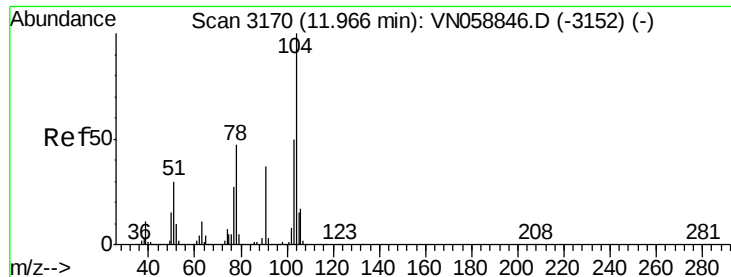
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10/22/2019 4:55:24 PM



#69
o-Xylene
Concen: 53.098 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion:106 Resp: 436341
Ion Ratio Lower Upper
106 100
91 222.9 111.5 334.4





#70

Stvrene

Concen: 48.067 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

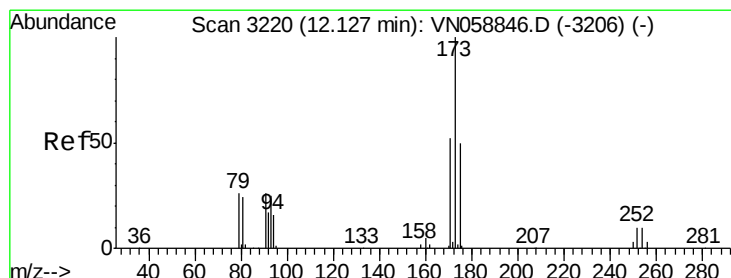
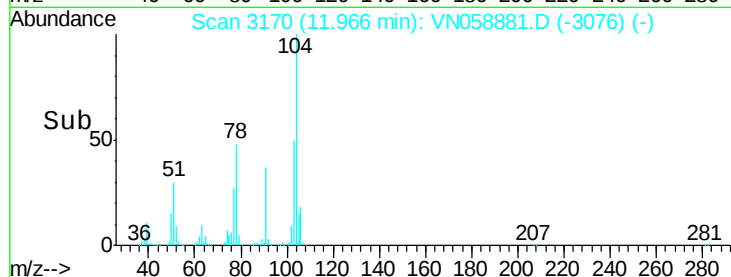
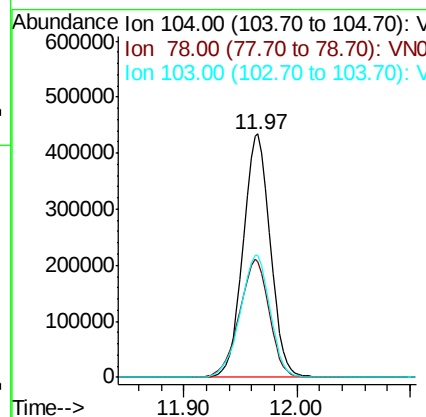
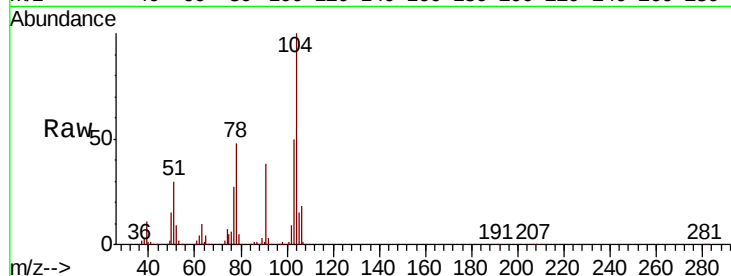
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:	104	Resp:	728075
Ion Ratio	Lower	Upper	
104	100		
78	53.2	42.8	64.2
103	55.0	44.3	66.5

Manual Integrations
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#71

Bromoform

Concen: 51.111 ug/l

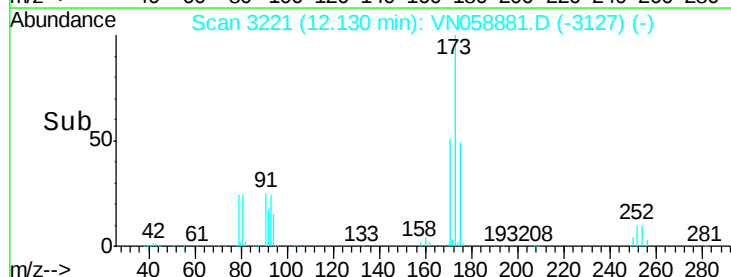
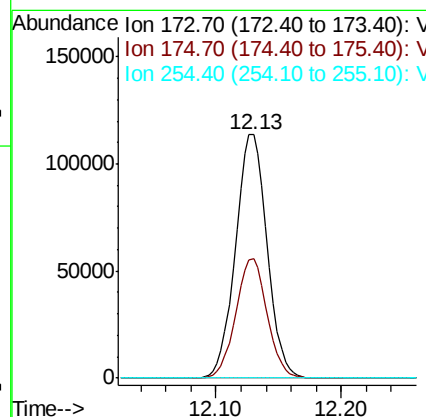
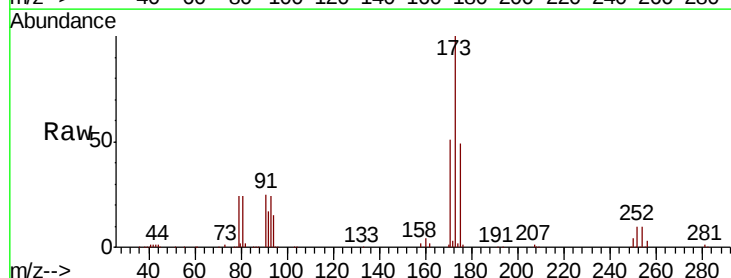
RT: 12.13 min Scan# 3221

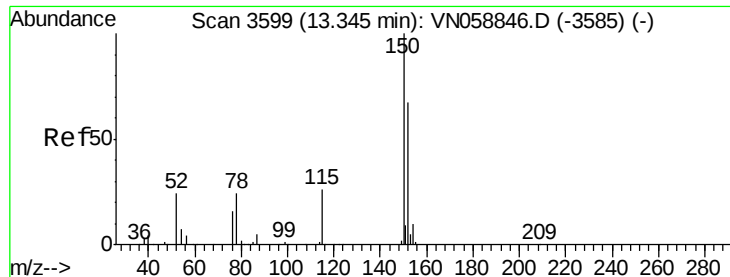
Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion:	173	Resp:	198089
Ion Ratio	Lower	Upper	
173	100		
175	48.7	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: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:152 Resp: 310153

Ion Ratio Lower Upper

152 100

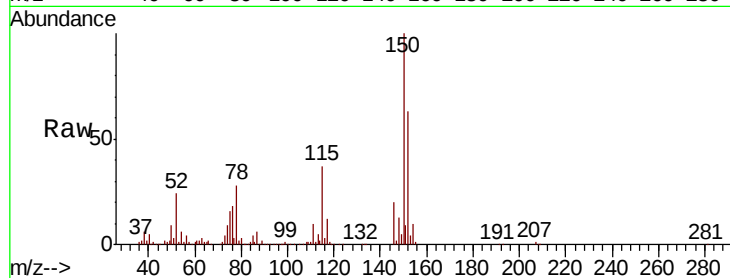
115 60.7 30.5 91.5

150 172.5 0.0 344.4

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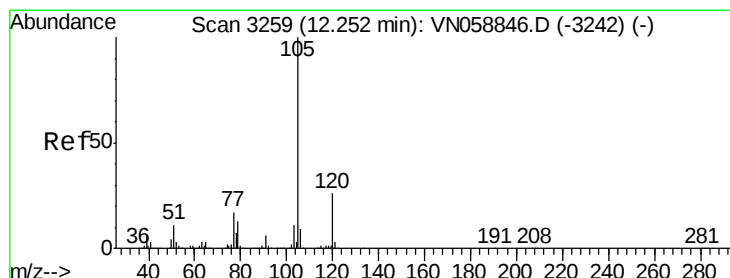
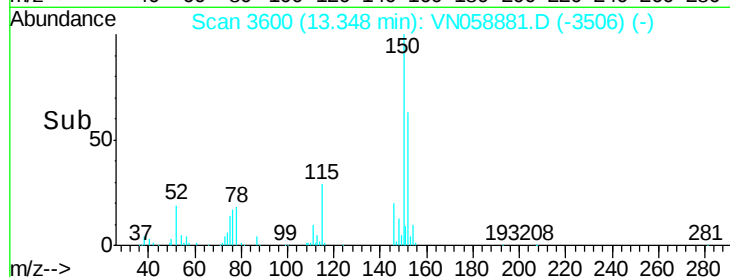
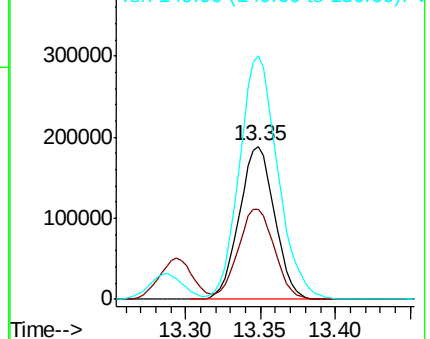
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 52.606 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058881.D

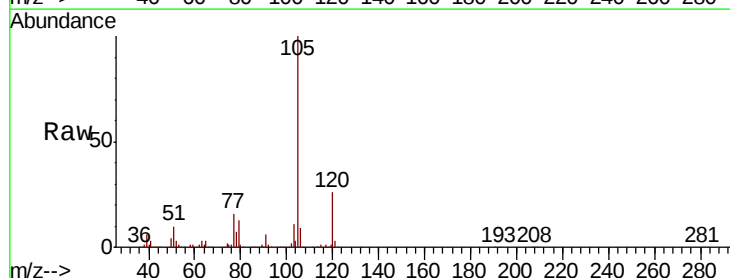
Acq: 21 Oct 2019 12:33

Tgt Ion:105 Resp: 1192392

Ion Ratio Lower Upper

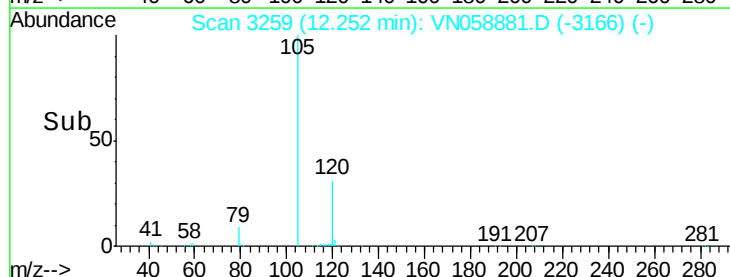
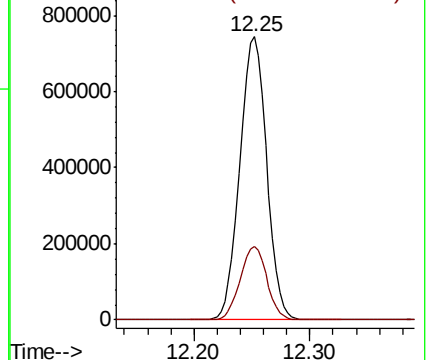
105 100

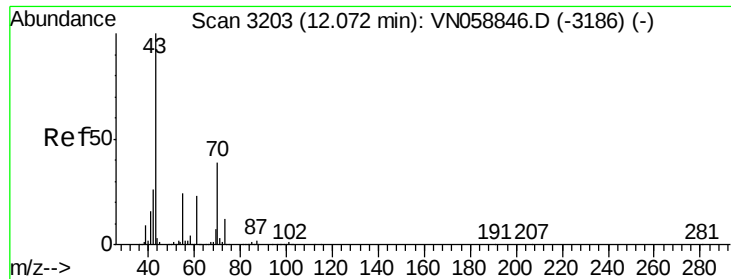
120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 54.229 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

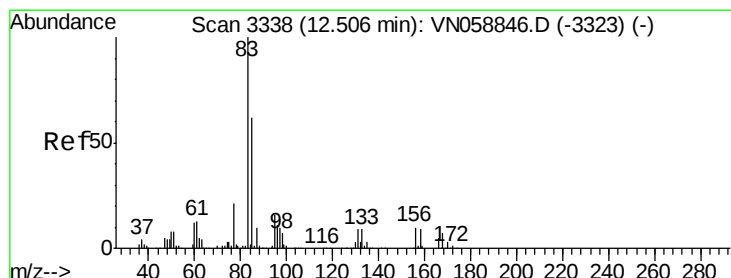
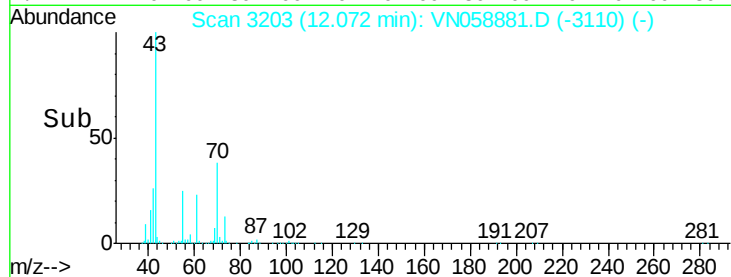
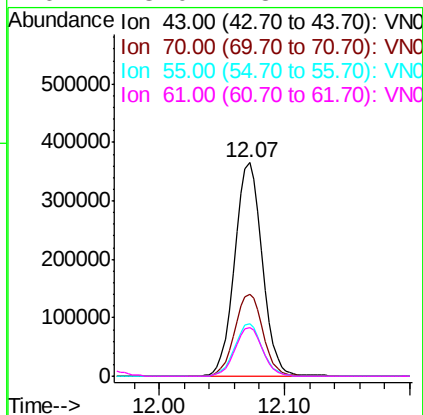
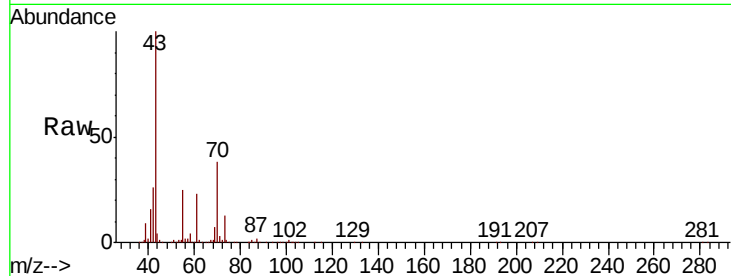
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.4	30.9	46.3
55	24.6	19.7	29.5
61	23.0	18.2	27.4

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 49.092 ug/l

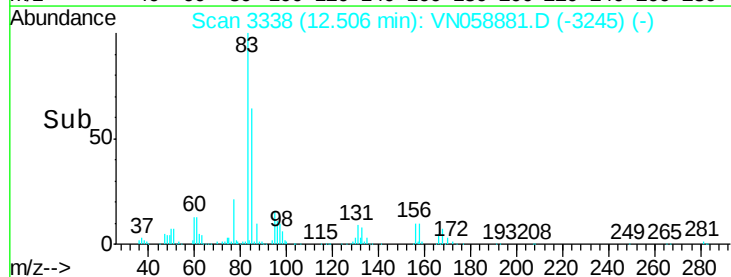
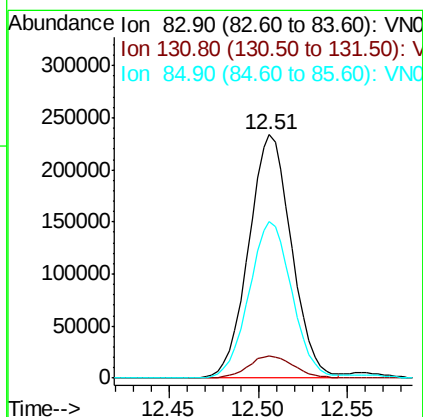
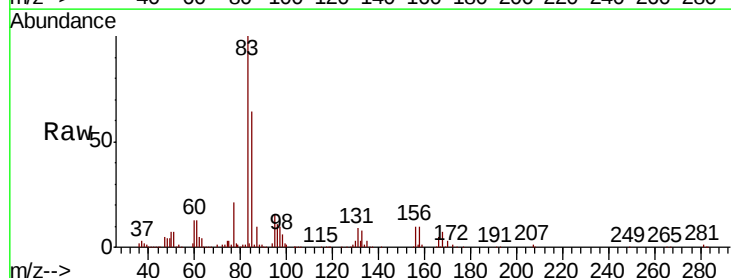
RT: 12.51 min Scan# 3338

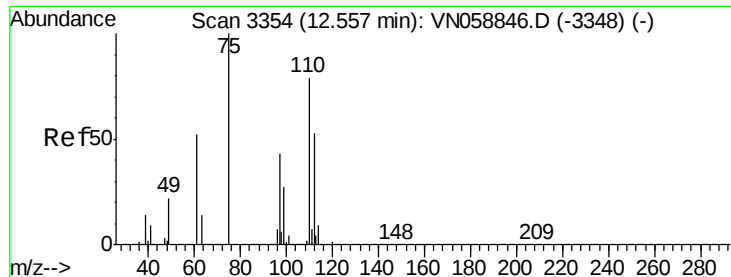
Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.5	31.7	95.1





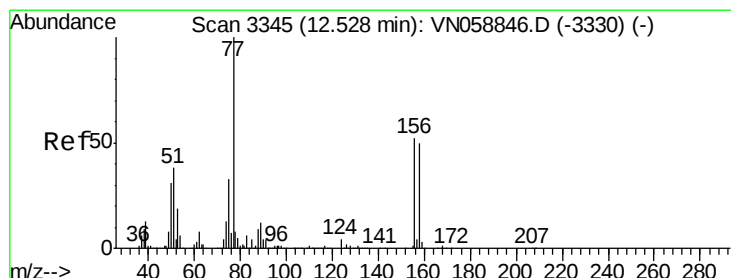
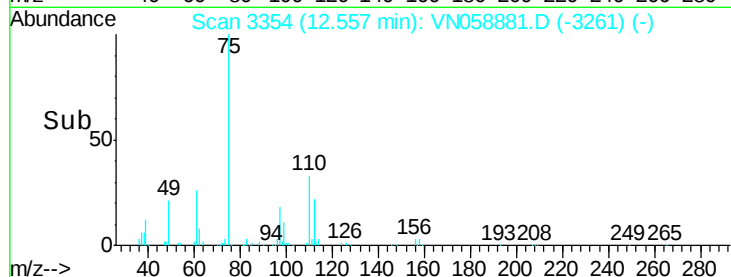
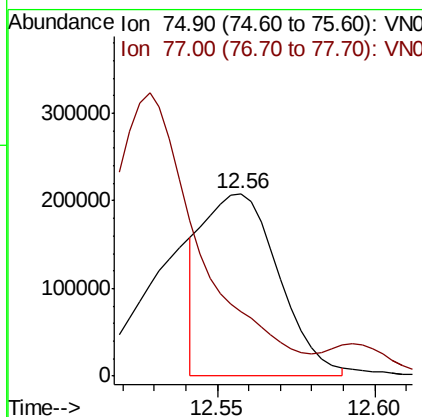
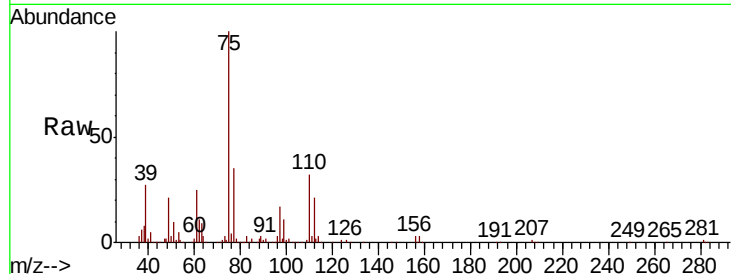
#76
1,2,3-Trichloropropane
Concen: 48.235 ug/l m
RT: 12.56 min Scan# 3354
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

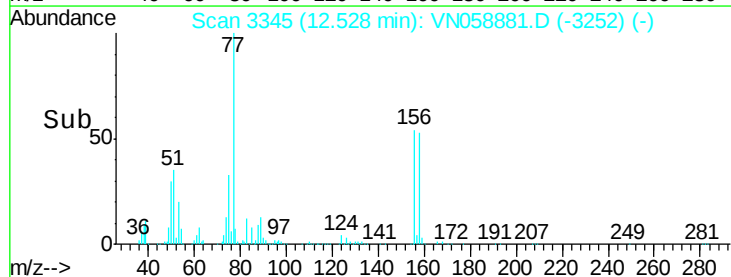
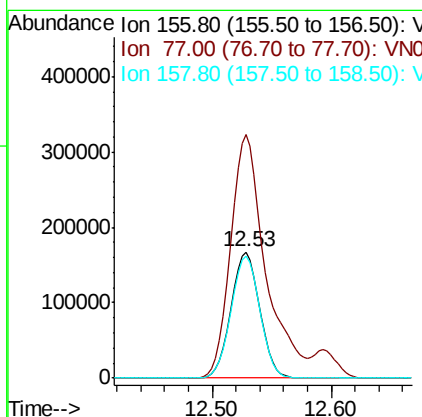
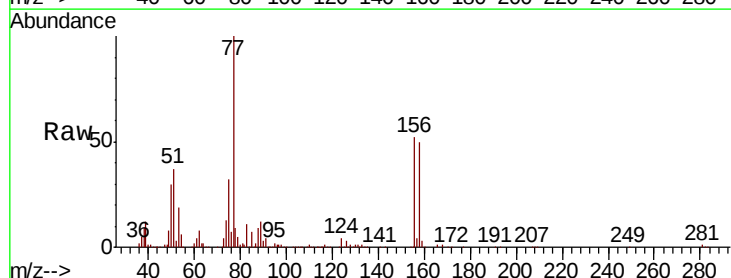
Manual Integrations
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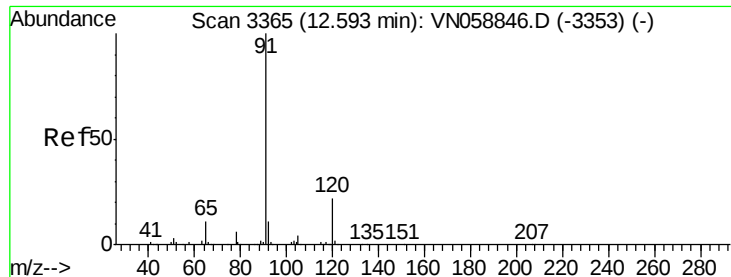
MMDadoda
10/22/2019 4:55:24 PM



#77
Bromobenzene
Concen: 50.095 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
156	100		
77	234.9	118.0	354.0
158	97.4	48.3	144.8





#78

n-propylbenzene

Concen: 52.610 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 91 Resp: 1409562

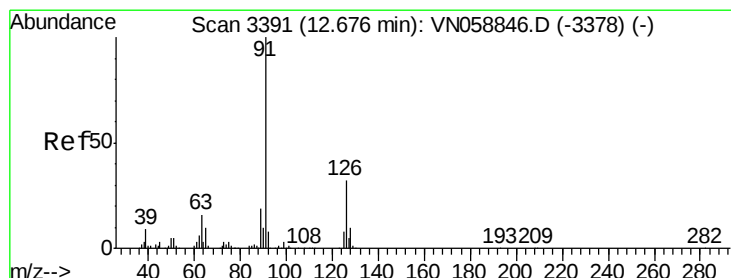
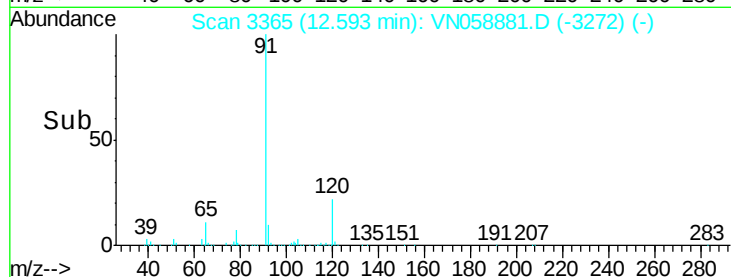
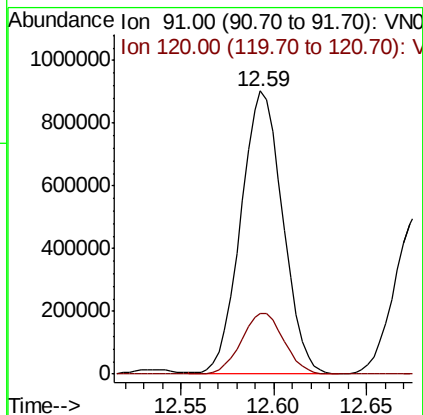
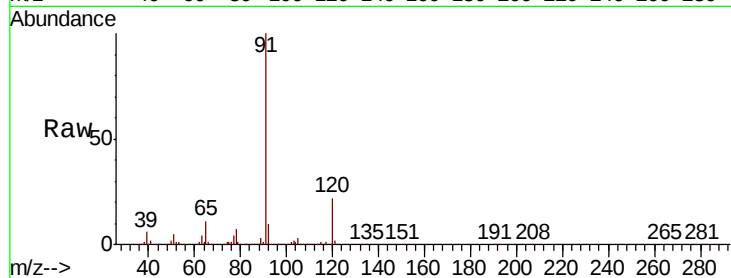
Ion Ratio Lower Upper

91 100

120 21.9 11.1 33.1

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#79

2-Chlorotoluene

Concen: 50.728 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058881.D

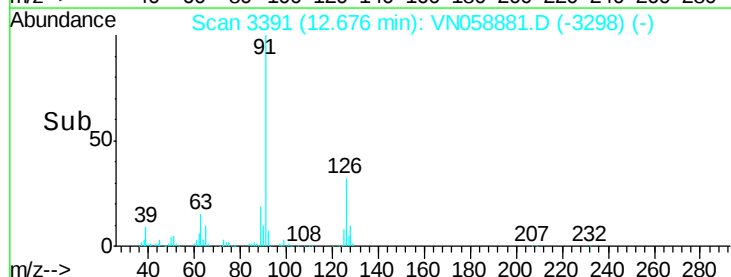
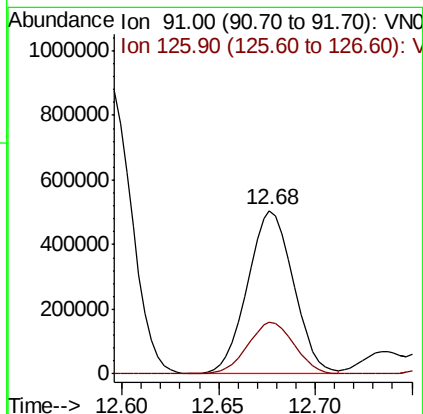
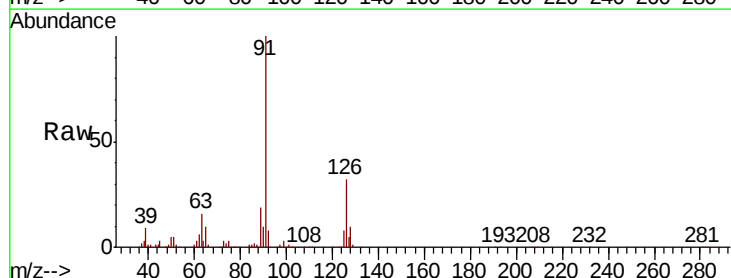
Acq: 21 Oct 2019 12:33

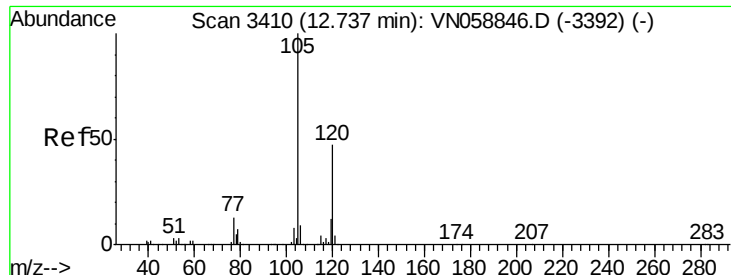
Tgt Ion: 91 Resp: 831845

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6





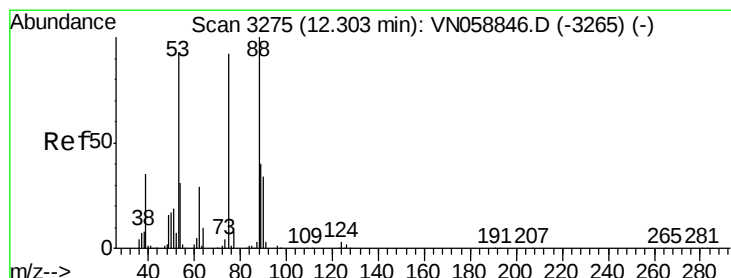
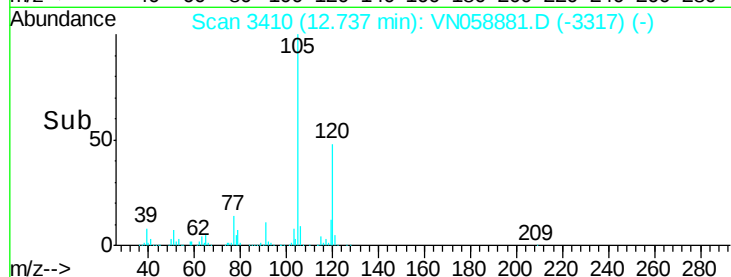
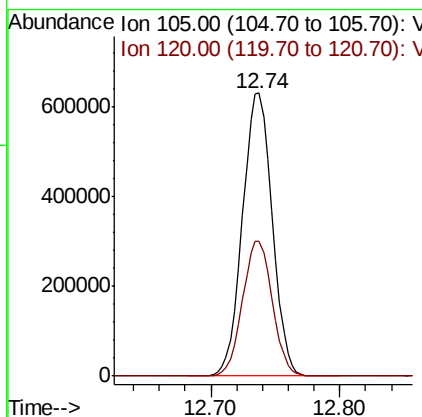
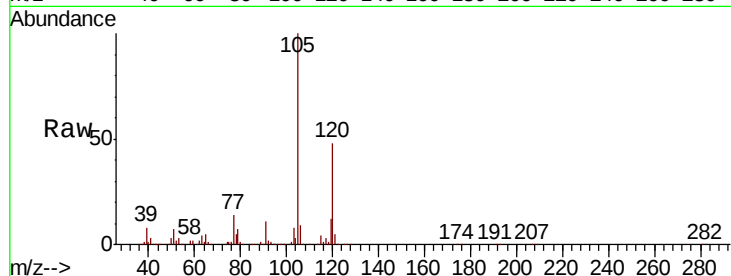
#80
 1,3,5-Trimethylbenzene
 Concen: 53.068 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Tot Ion:105 Resp: 1010621
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.8 71.5

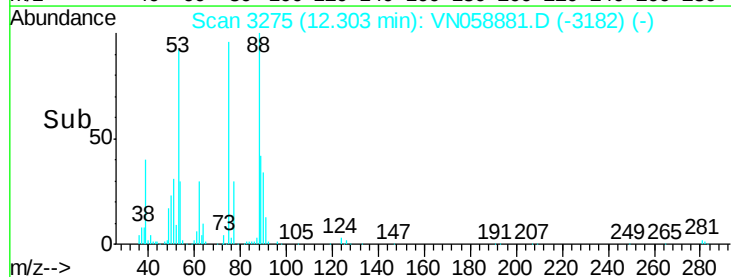
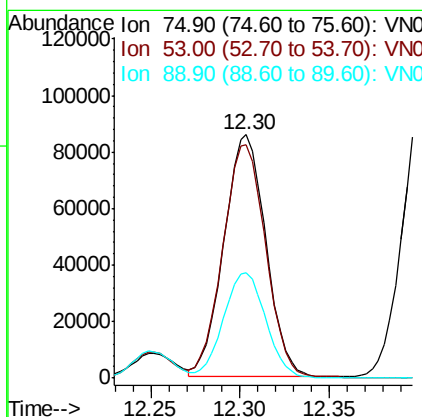
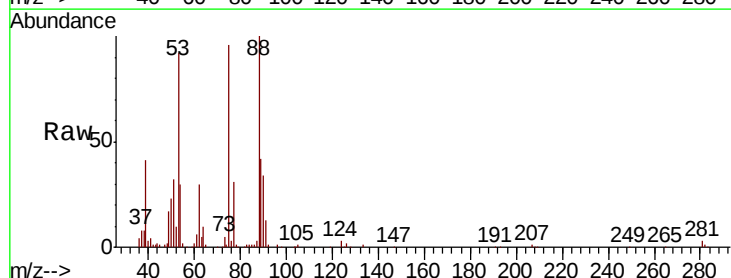
Manual Integrations
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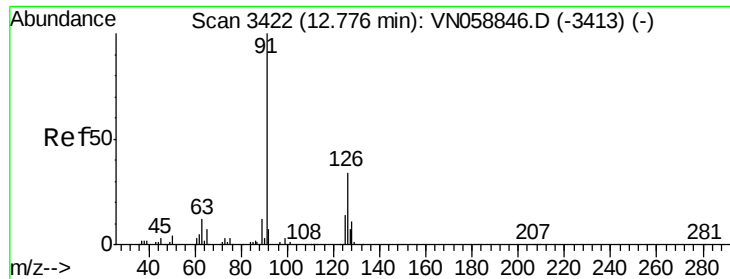
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.003 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion: 75 Resp: 140731
 Ion Ratio Lower Upper
 75 100
 53 98.6 78.6 118.0
 89 43.9 35.4 53.0





#82

4-Chlorotoluene

Concen: 51.751 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 91 Resp: 867226

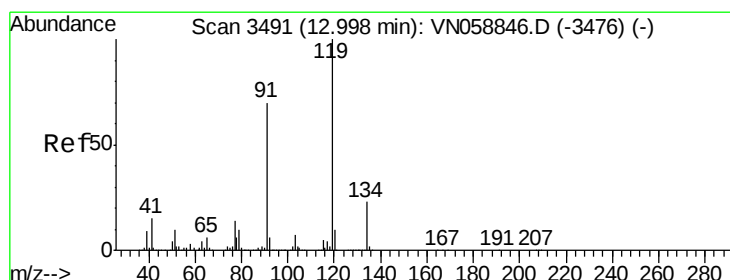
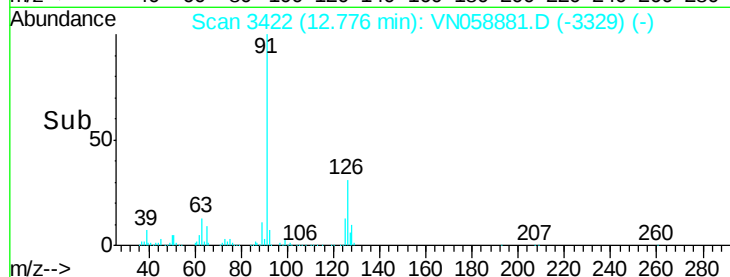
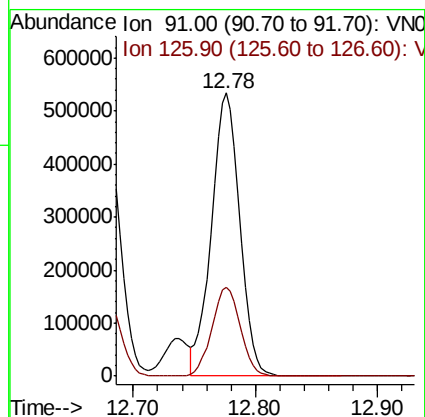
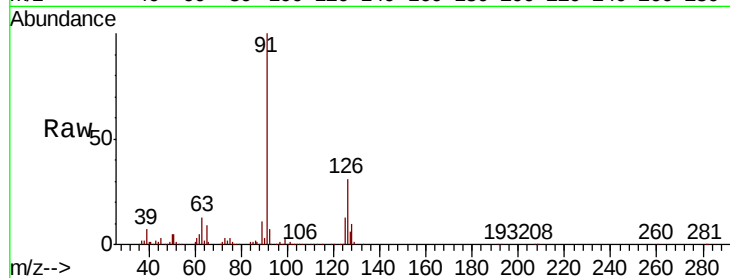
Ion Ratio Lower Upper

91 100

126 31.5 16.0 47.9

Manual Integrations
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#83

tert-Butylbenzene

Concen: 53.278 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

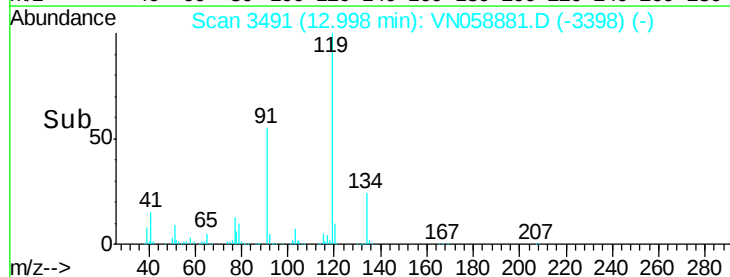
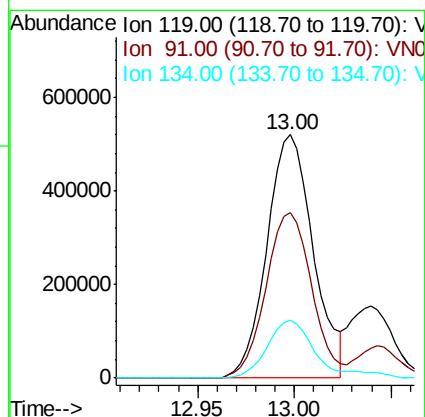
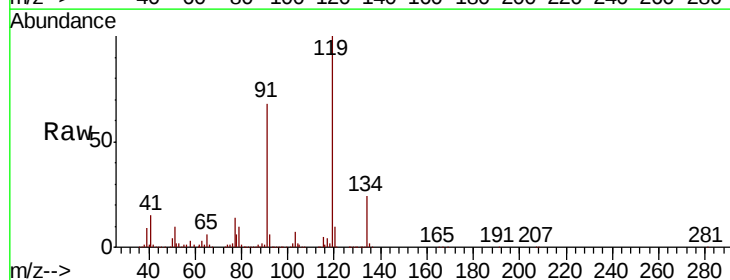
Tgt Ion: 119 Resp: 867631

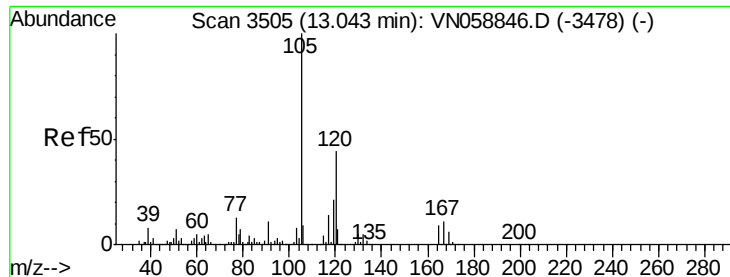
Ion Ratio Lower Upper

119 100

91 67.5 34.1 102.3

134 25.0 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 53.719 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:105 Resp: 1009050

Ion Ratio Lower Upper

105 100

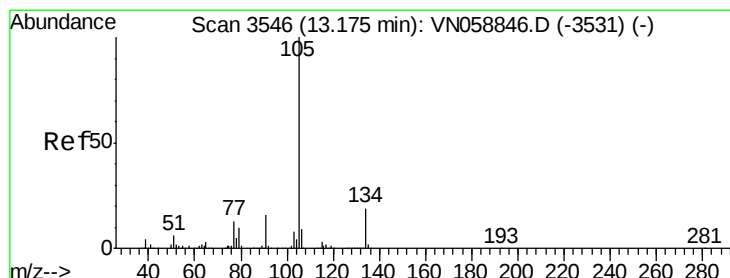
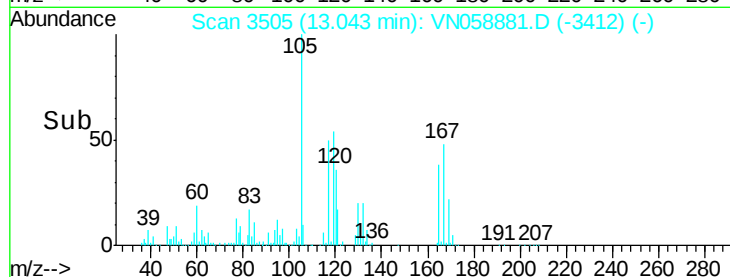
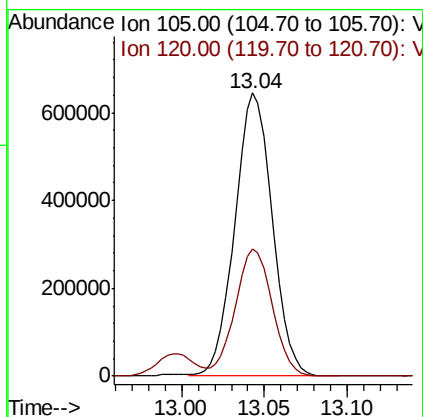
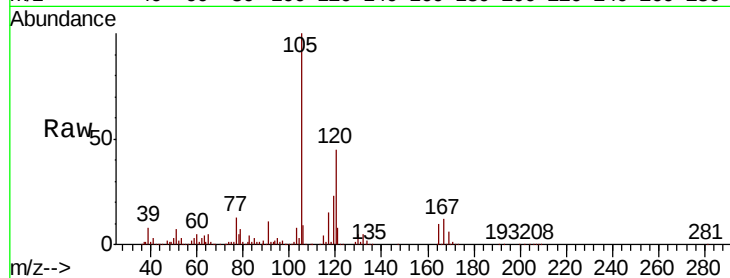
120 44.9 21.9 65.8

Manual Integrations

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#85

sec-Butylbenzene

Concen: 53.012 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN058881.D

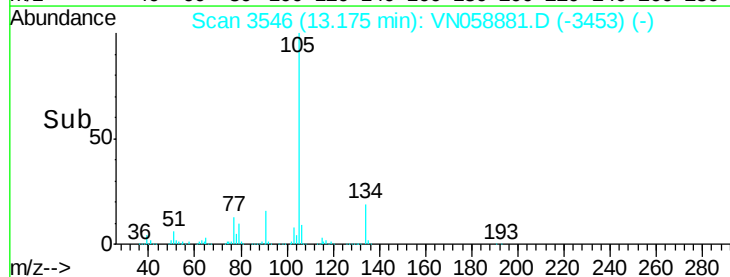
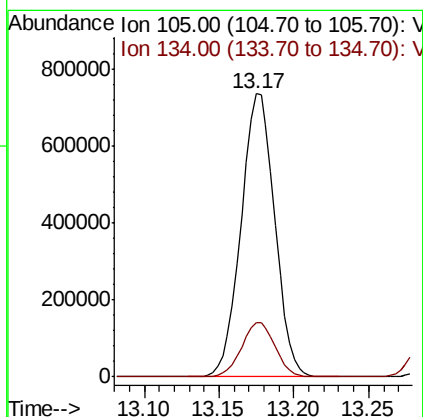
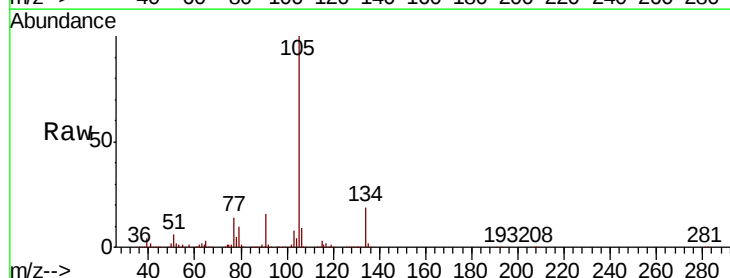
Acq: 21 Oct 2019 12:33

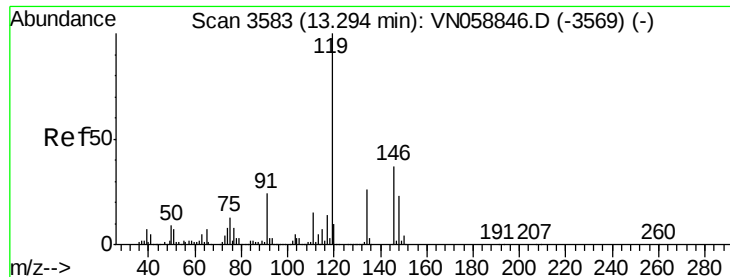
Tgt Ion:105 Resp: 1150995

Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.2





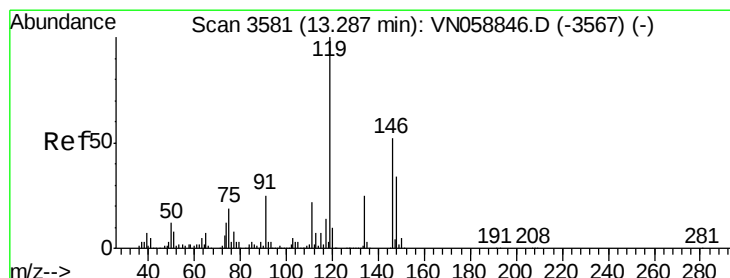
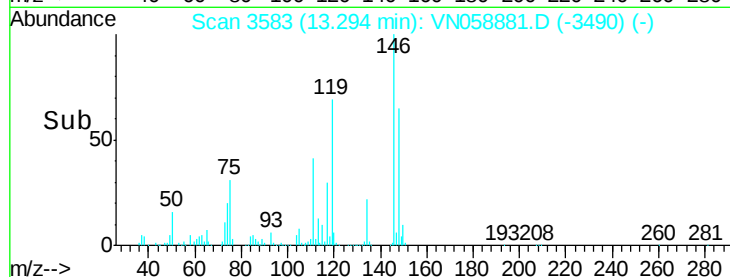
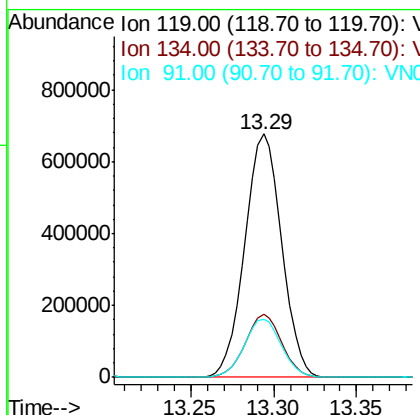
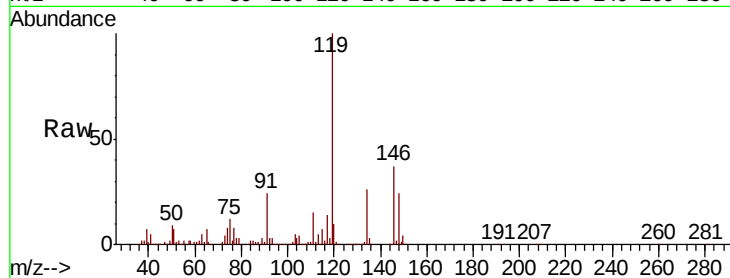
#86
p-Isopropyltoluene
Concen: 54.443 ug/l
RT: 13.29 min Scan# 3583
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Instrument :
MSVOA_N
ClientSampleId :
FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	24.1	12.2	36.4

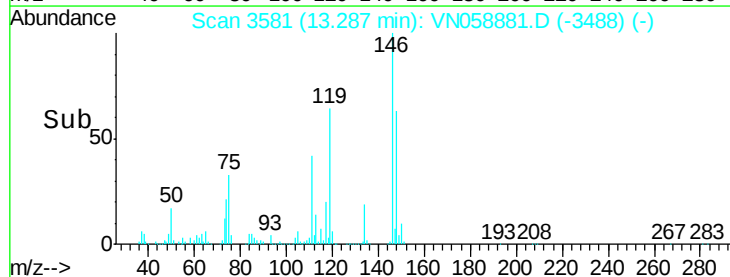
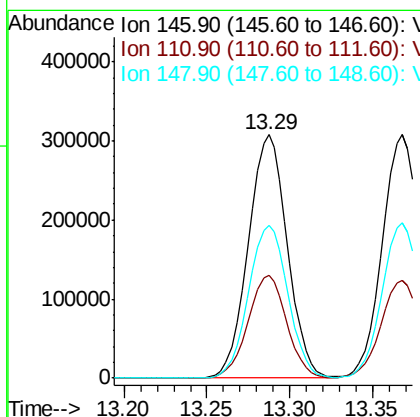
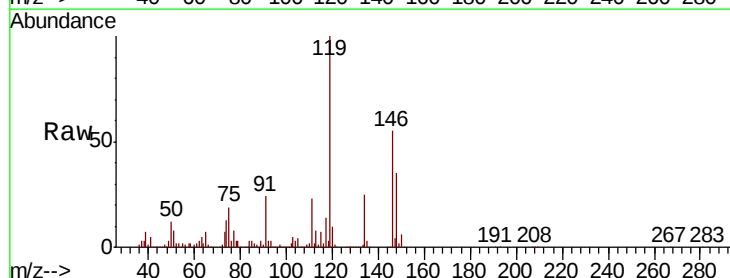
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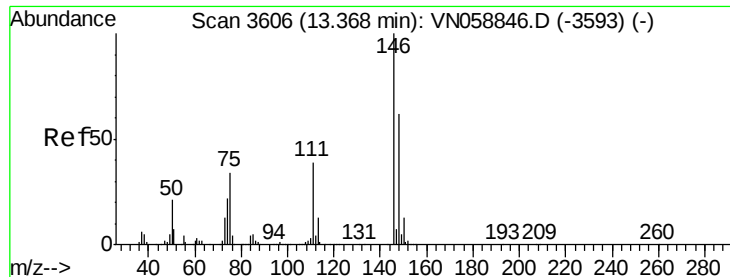
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#87
1,3-Dichlorobenzene
Concen: 50.405 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN058881.D
Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.6	32.1	96.3





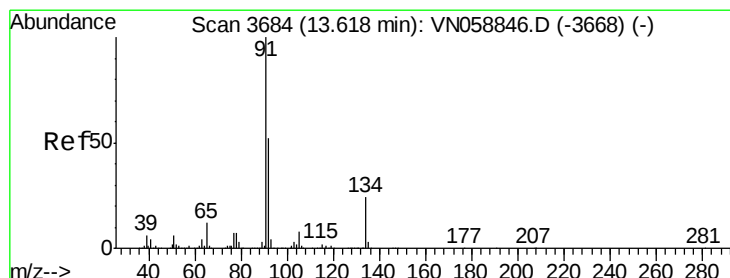
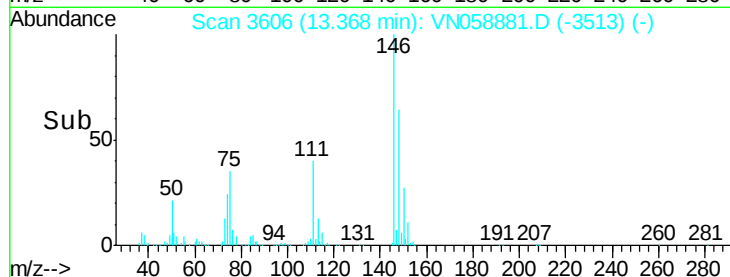
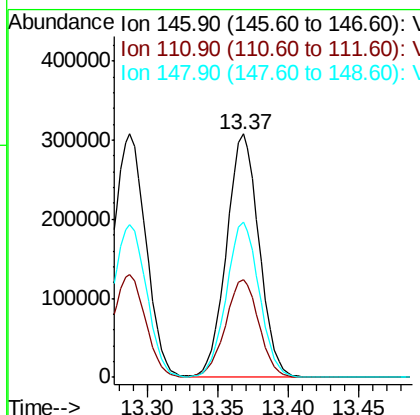
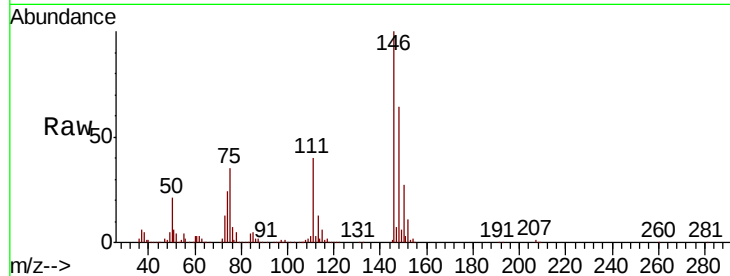
#88
 1,4-Dichlorobenzene
 Concen: 49.538 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.6
148	64.4	31.6	94.7

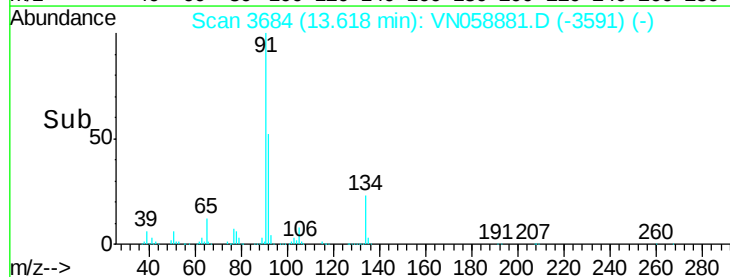
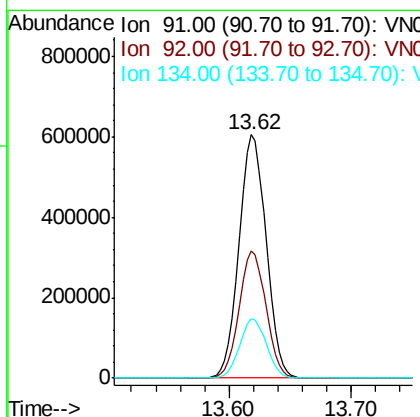
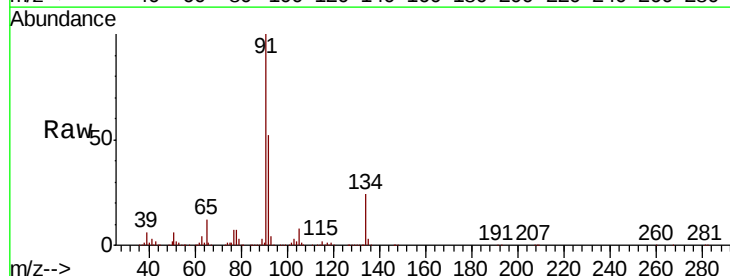
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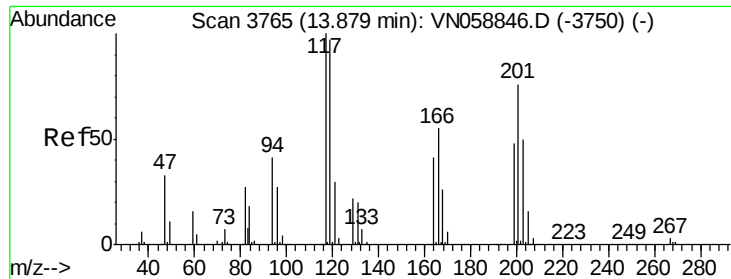
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#89
 n-Butylbenzene
 Concen: 52.631 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.1
134	24.2	11.9	35.5





#90

Hexachloroethane

Concen: 50.046 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion:117 Resp: 194277

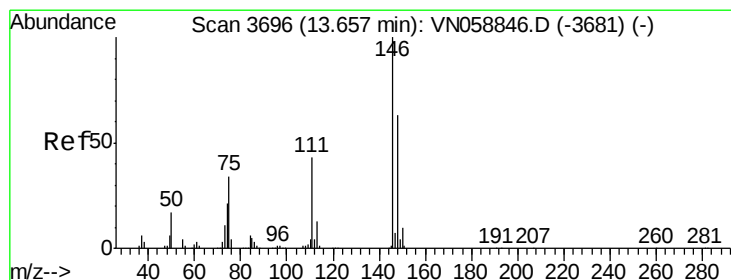
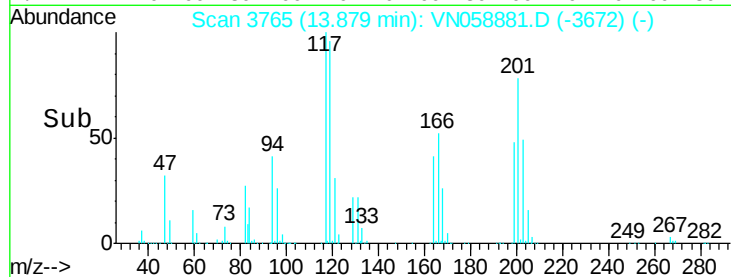
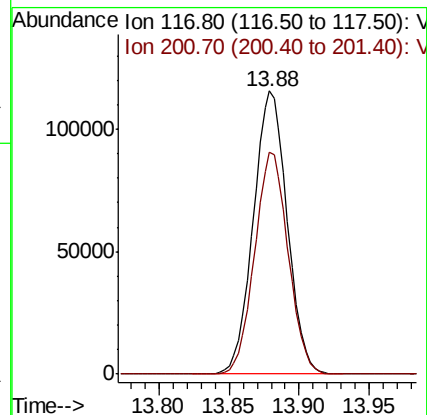
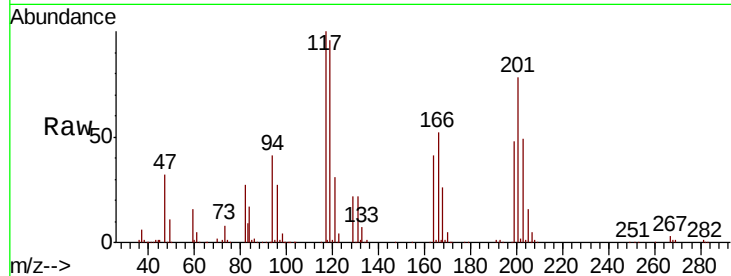
Ion Ratio Lower Upper

117 100

201 77.6 38.9 116.6

Manual Integrations
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#91

1,2-Dichlorobenzene

Concen: 50.277 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

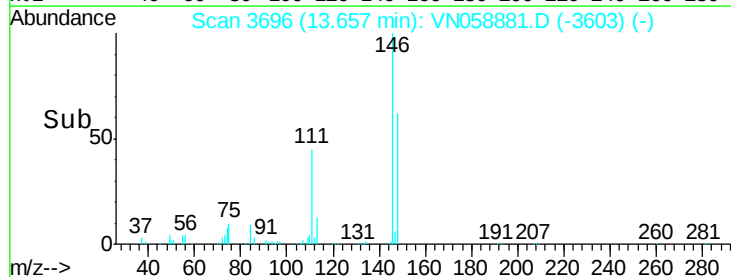
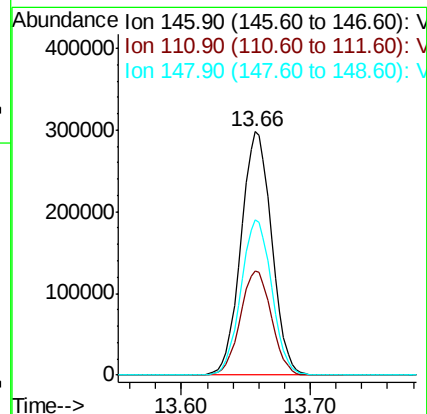
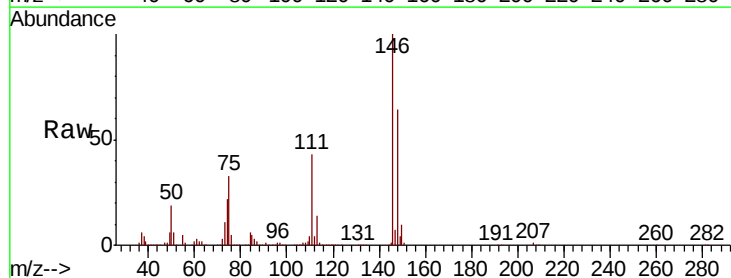
Tgt Ion:146 Resp: 493654

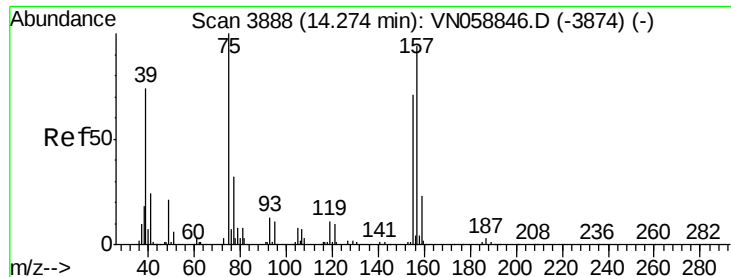
Ion Ratio Lower Upper

146 100

111 43.4 21.6 64.8

148 64.0 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 45.909 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

FA19-JBW7326BMSD

Tot Ion: 75 Resp: 82758

Ion Ratio Lower Upper

75 100

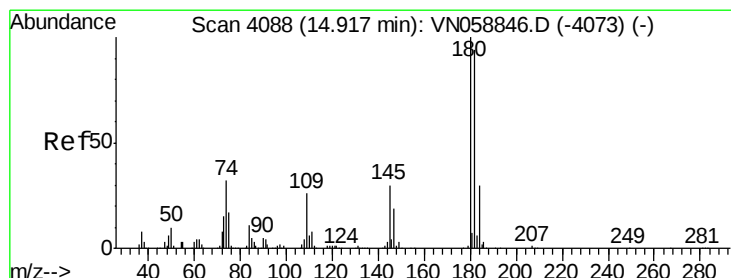
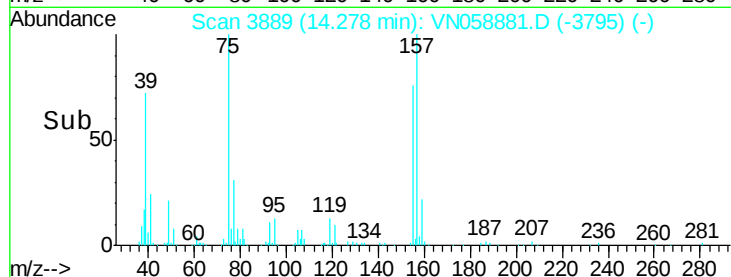
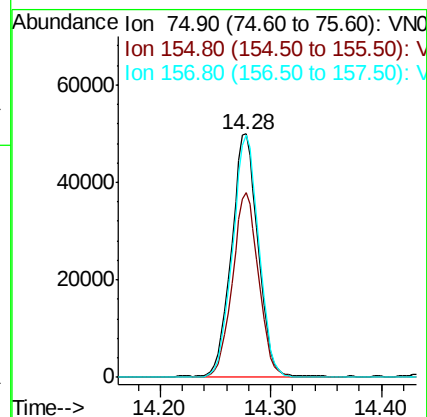
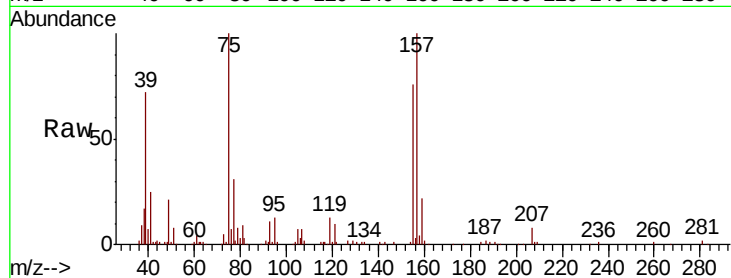
155 75.0 35.6 106.8

157 98.9 47.4 142.2

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 45.482 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

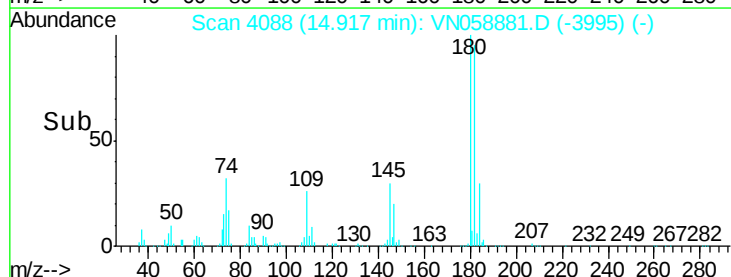
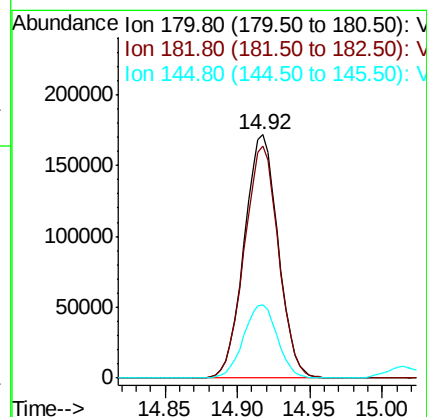
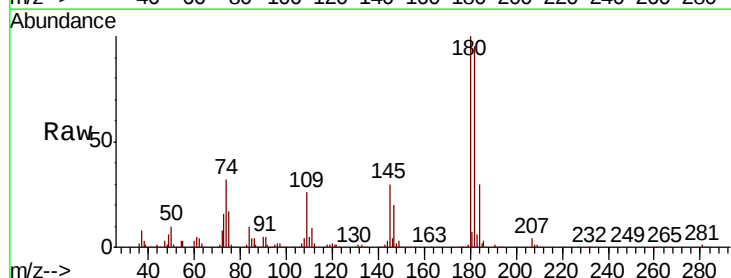
Tgt Ion: 180 Resp: 279645

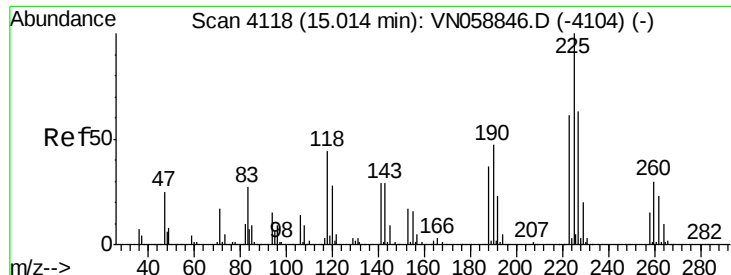
Ion Ratio Lower Upper

180 100

182 96.0 47.3 142.0

145 30.2 15.3 45.8





#94

Hexachlorobutadiene

Concen: 46.984 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Instrument :

MSVOA_N

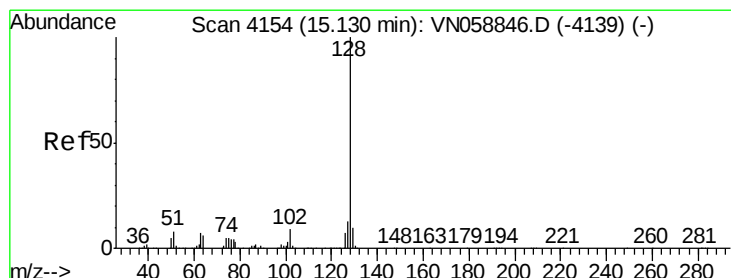
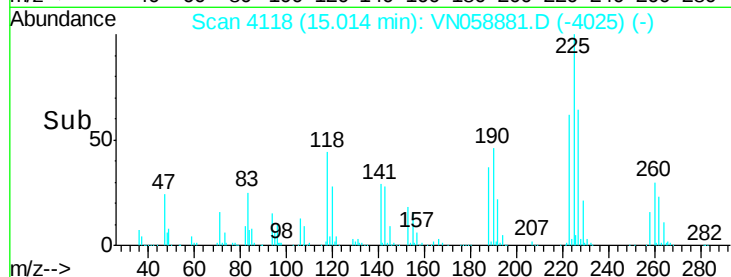
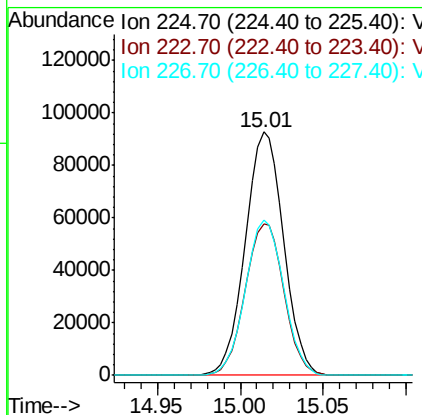
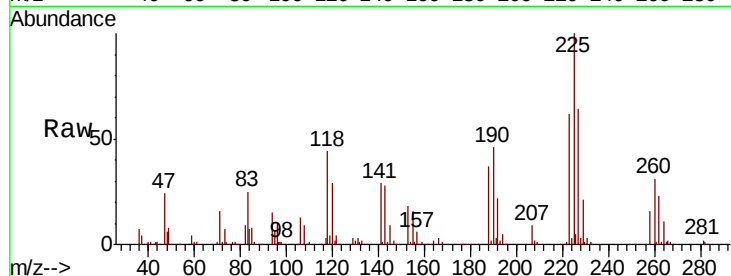
ClientSampleId :

FA19-JBW7326BMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
225	100		149523		
223	62.8		30.9	92.5	
227	63.7		31.6	94.7	

Manual Integrations
APPROVED

MMDadoda
10/22/2019 4:55:24 PM



#95

Naphthalene

Concen: 45.441 ug/l

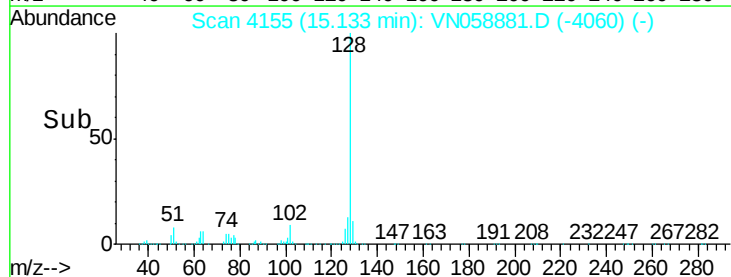
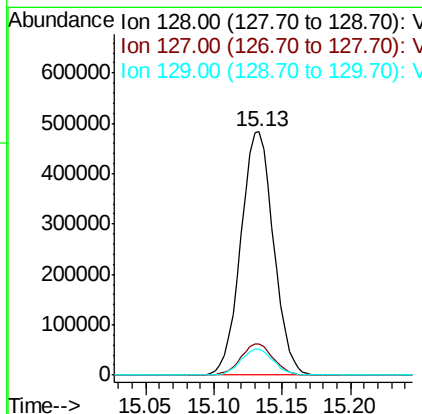
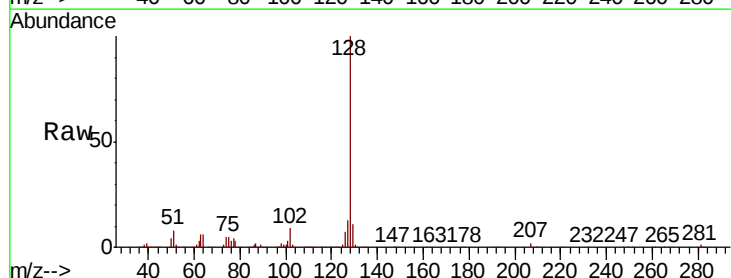
RT: 15.13 min Scan# 4155

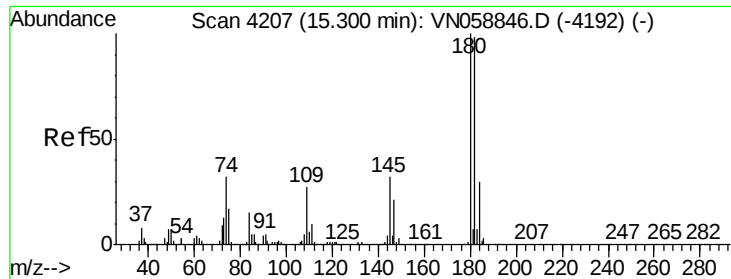
Delta R.T. 0.00 min

Lab File: VN058881.D

Acq: 21 Oct 2019 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		803500		
127	12.7		10.2	15.2	
129	10.8		8.4	12.6	





#96
 1,2,3-Trichlorobenzene
 Concen: 45.540 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058881.D
 Acq: 21 Oct 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.2	47.9	143.7
145	32.1	15.9	47.7

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:24 PM

