

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061269.D
 Acq On : 3 Jan 2019 17:11
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

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 1/4/2019 2:12:46 PM

Quant Time: Jan 04 03:03:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	186275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	338007	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	319697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	156756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	368393	154.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.18%	
35) Dibromofluoromethane	4.13	113	383831	142.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	284.24%	
50) Toluene-d8	7.56	98	1089901	141.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	283.18%	
62) 4-Bromofluorobenzene	11.41	95	483643	137.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	274.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	530299	131.133	ug/l	96
3) Chloromethane	1.10	50	394388	163.104	ug/l	93
4) Vinyl Chloride	1.14	62	341705	152.777	ug/l	99
5) Bromomethane	1.32	94	225121	145.647	ug/l	98
6) Chloroethane	1.38	64	142907	139.488	ug/l	99
7) Trichlorofluoromethane	1.48	101	631358	150.119	ug/l	97
8) Diethyl Ether	1.63	74	87056	152.350	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	290075	131.950	ug/l	99
10) Methyl Iodide	1.91	142	519644m	150.696	ug/l	
11) Tert butyl alcohol	2.58	59	76264	798.731	ug/l	97
12) 1,1-Dichloroethene	1.79	96	245440	148.944	ug/l	96
13) Acrolein	2.00	56	61983	865.409	ug/l	94
14) Allyl chloride	2.09	41	363729	193.448	ug/l	98
15) Acrylonitrile	2.94	53	201224	892.425	ug/l	98
16) Acetone	2.24	43	293763	645.257	ug/l	98
17) Carbon Disulfide	1.83	76	775868	153.608	ug/l	99
18) Methyl Acetate	2.35	43	138915	140.270	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	557970	154.943	ug/l	99
20) Methylene Chloride	2.18	84	255533m	140.729	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	275057	153.478	ug/l	98
22) Diisopropyl ether	2.80	45	958557	166.489	ug/l	97
23) Vinyl Acetate	3.19	43	2043202	777.611	ug/l	98
24) 1,1-Dichloroethane	2.87	63	543276	158.715	ug/l	100
25) 2-Butanone	4.33	43	579015	747.581	ug/l	93
26) 2,2-Dichloropropane	3.60	77	288892	146.091	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	410052	151.259	ug/l	99
28) Bromochloromethane	3.72	49	240293	141.440	ug/l	98
29) Tetrahydrofuran	4.08	42	242481	767.485	ug/l	97
30) Chloroform	3.87	83	722623	142.661	ug/l	98
31) Cyclohexane	3.69	56	533920	148.912	ug/l	96
32) 1,1,1-Trichloroethane	4.11	97	510858	161.598	ug/l	99
36) 1,1-Dichloropropene	4.28	75	556291	136.074	ug/l	98
37) Ethyl Acetate	4.12	43	224747	136.161	ug/l #	74
38) Carbon Tetrachloride	4.00	117	465115	147.514	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	598542	159.354	ug/l	95
40) Benzene	4.64	78	1226794	138.604	ug/l	96
41) Methacrylonitrile	4.76	41	121983	144.209	ug/l	98
42) 1,2-Dichloroethane	4.95	62	451502	138.795	ug/l	96
43) Isopropyl Acetate	6.97	43	333763	169.357	ug/l	99
44) Trichloroethene	5.51	130	382024	138.957	ug/l	96
45) 1,2-Dichloropropane	6.25	63	335572	140.190	ug/l	99
46) Dibromomethane	6.09	93	229515	150.102	ug/l	94
47) Bromodichloromethane	6.39	83	562891	142.221	ug/l	98
48) Methyl methacrylate	6.72	41	210738	153.257	ug/l	96
49) 1,4-Dioxane	6.71	88	27442	2799.406	ug/l	94
51) 4-Methyl-2-Pentanone	8.27	43	999650	741.728	ug/l	97
52) Toluene	7.63	92	791283	135.247	ug/l	90
53) t-1,3-Dichloropropene	8.29	75	448204	138.950	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	567964	140.056	ug/l	97
55) 1,1,2-Trichloroethane	8.49	97	254222	146.252	ug/l	97
56) Ethyl methacrylate	8.62	69	300581	160.120	ug/l	92
57) 1,3-Dichloropropane	8.86	76	484784	153.835	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	188682	551.369	ug/l #	88
59) 2-Hexanone	9.50	43	721900	745.100	ug/l	96
60) Dibromochloromethane	8.72	129	360941	147.104	ug/l	94
61) 1,2-Dibromoethane	9.00	107	271160	146.669	ug/l	97
64) Tetrachloroethene	8.16	164	329629	132.715	ug/l	98
65) Chlorobenzene	9.81	112	893920	133.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	366262	134.113	ug/l	98
67) Ethyl Benzene	9.91	91	1575558	128.746	ug/l	94
68) m/p-Xylenes	10.14	106	1082661	253.073	ug/l	89
69) o-Xylene	10.72	106	611865	127.805	ug/l	95
70) Styrene	10.79	104	851226	128.630	ug/l	99
71) Bromoform	10.78	173	186030	147.874	ug/l #	97
73) Isopropylbenzene	11.13	105	1701227	125.832	ug/l	97
74) N-amyl acetate	11.38	43	463393	153.448	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	315098	142.012	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	244130	147.731	ug/l	95
77) Bromobenzene	11.50	156	388371	134.245	ug/l	89
78) n-propylbenzene	11.60	91	1960772	123.416	ug/l	89
79) 2-Chlorotoluene	11.73	91	1155407	125.230	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	1373328	124.274	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.88	75	128611m	178.252	ug/l	
82) 4-Chlorotoluene	11.91	91	1228397	128.118	ug/l	93
83) tert-Butylbenzene	12.13	119	1318525	116.047	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	1326488	120.352	ug/l	91
85) sec-Butylbenzene	12.31	105	1887688	126.321	ug/l	91
86) p-Isopropyltoluene	12.46	119	1427797	114.897	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	651832	118.904	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	705692	131.338	ug/l	96
89) n-Butylbenzene	12.85	91	1470761	114.597	ug/l	93
90) Hexachloroethane	12.92	117	423649	138.123	ug/l	77
91) 1,2-Dichlorobenzene	12.94	146	674309	130.656	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	64846	160.911	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	470536	127.933	ug/l	98
94) Hexachlorobutadiene	14.20	225	314527	134.326	ug/l	97
95) Naphthalene	14.46	128	1021199	153.673	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	472463	140.421	ug/l	99

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

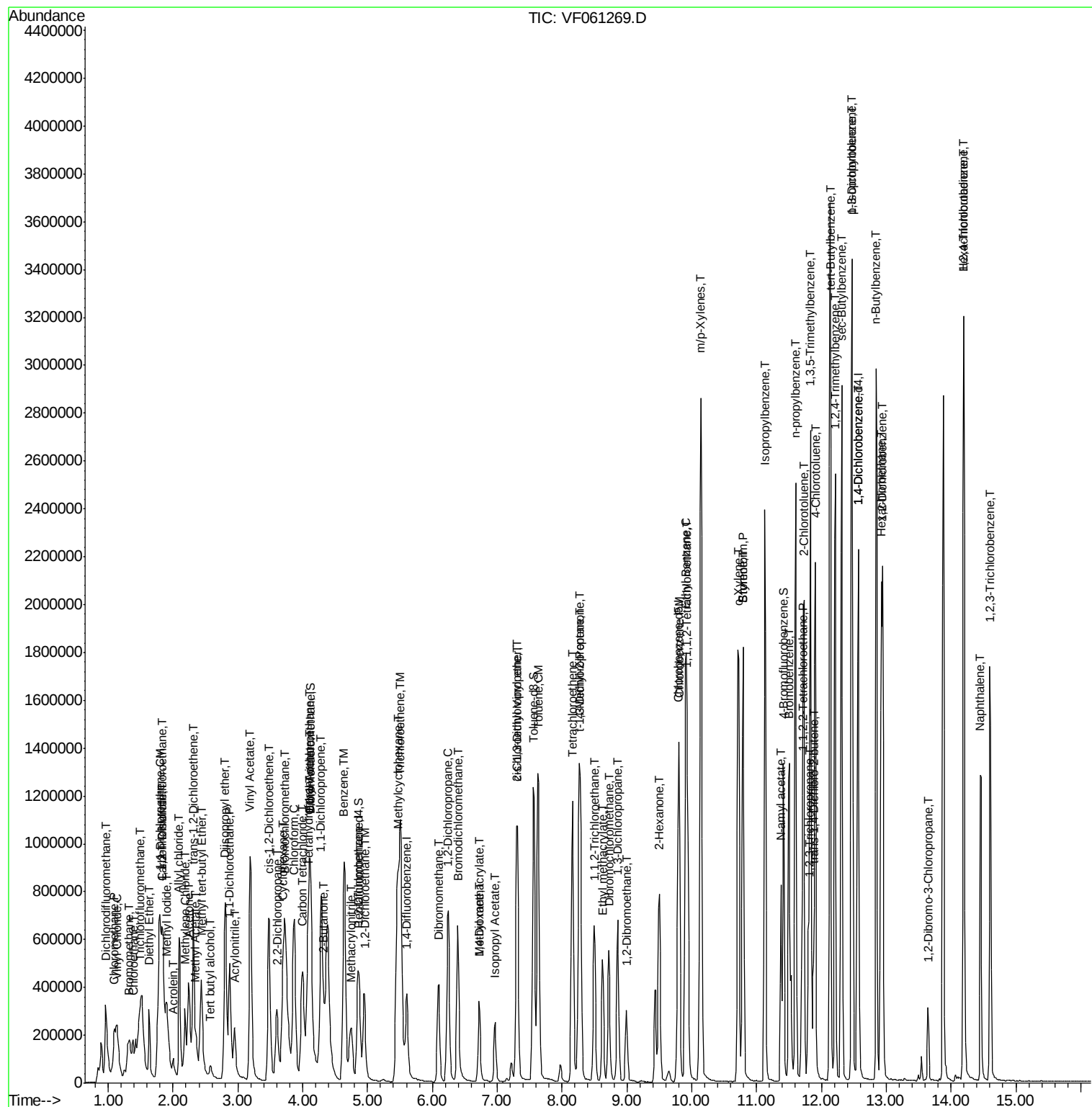
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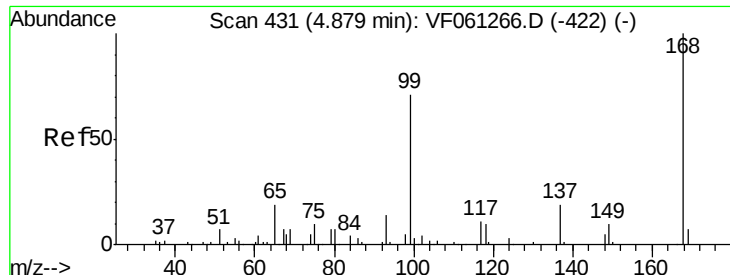
Instrument :
MSVOA_F
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 186275

Ion Ratio Lower Upper

168 100

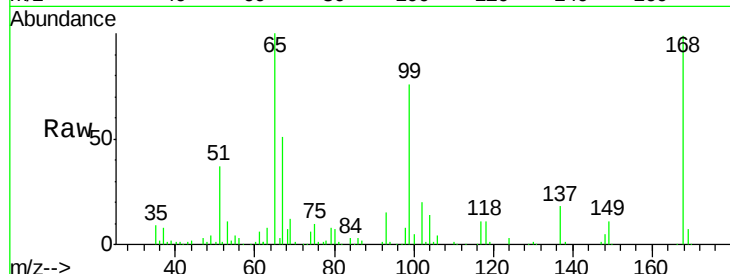
99 77.0 57.0 85.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

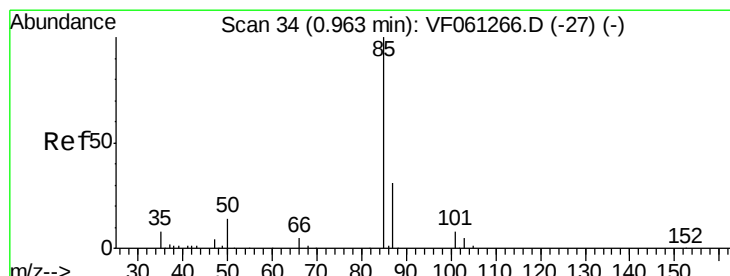
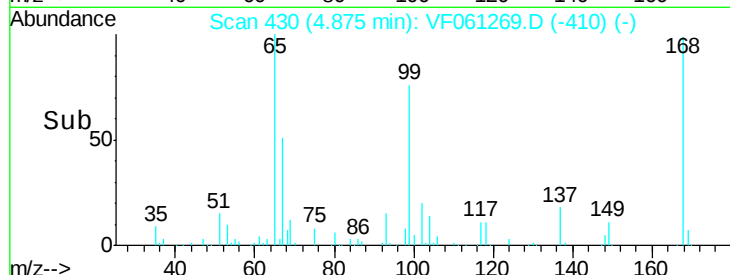
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 131.133 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061269.D

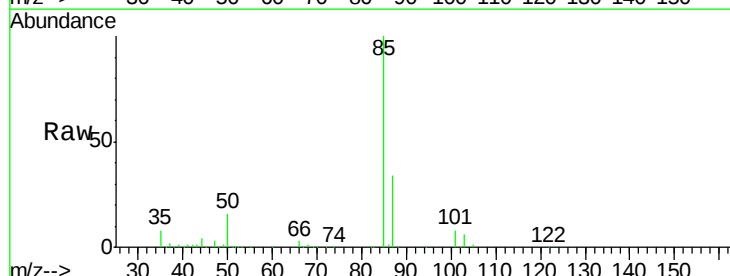
Acq: 3 Jan 2019 17:11

Tgt Ion: 85 Resp: 530299

Ion Ratio Lower Upper

85 100

87 33.6 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

200000

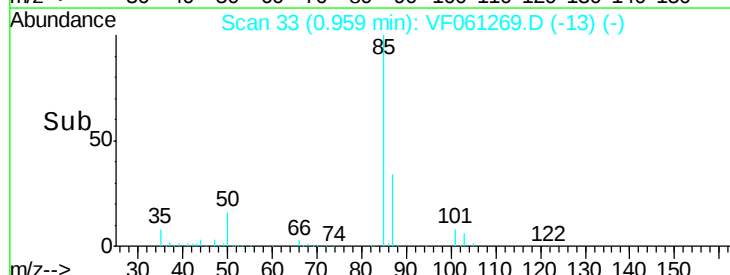
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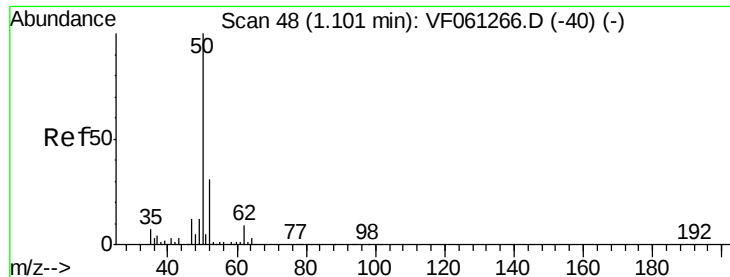
100000

50000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 163.104 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 394388

Ion Ratio Lower Upper

50 100

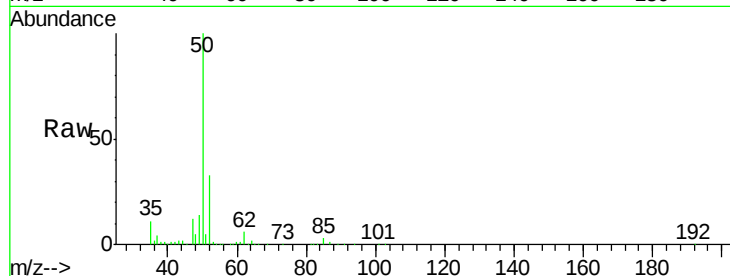
52 33.2 23.4 35.2

Manual Integrations

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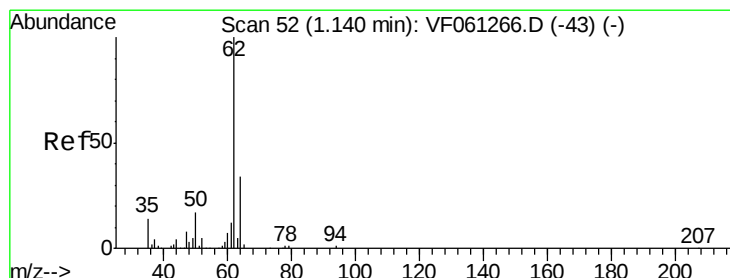
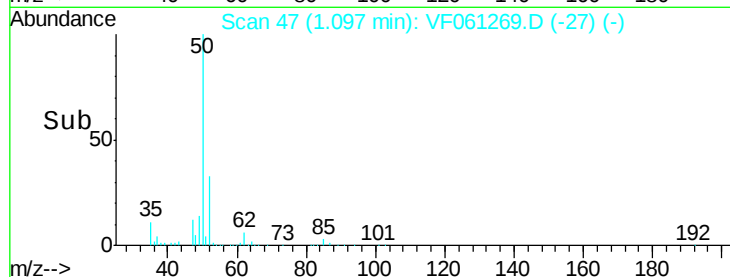
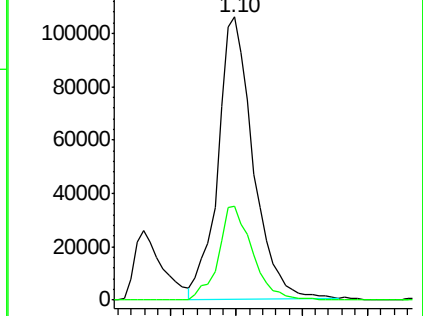
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 152.777 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061269.D

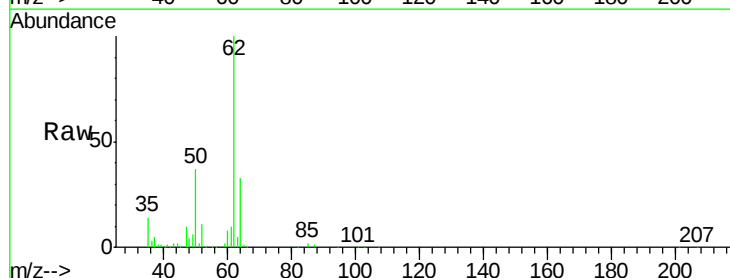
Acq: 3 Jan 2019 17:11

Tgt Ion: 62 Resp: 341705

Ion Ratio Lower Upper

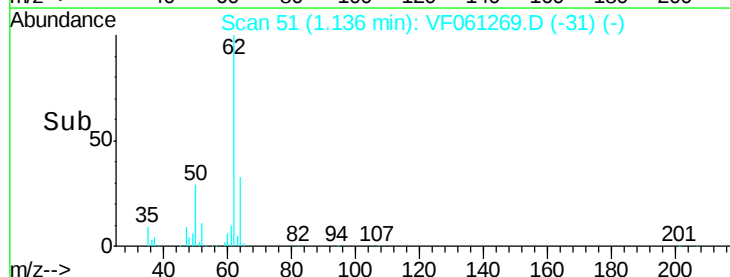
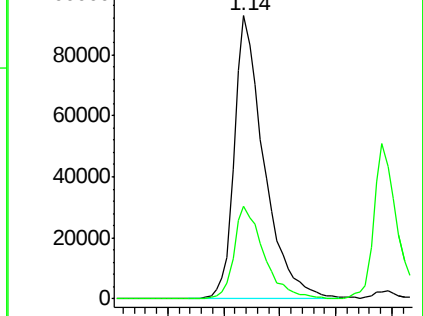
62 100

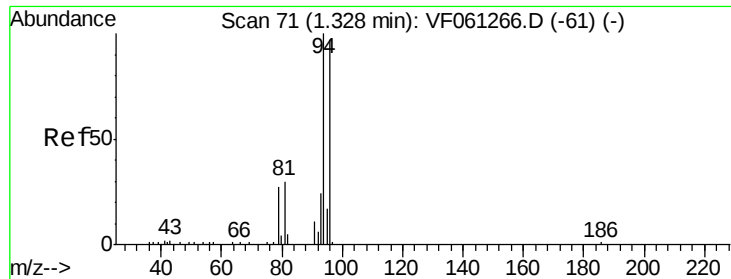
64 32.8 26.9 40.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 145.647 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

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MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 225121

Ion Ratio Lower Upper

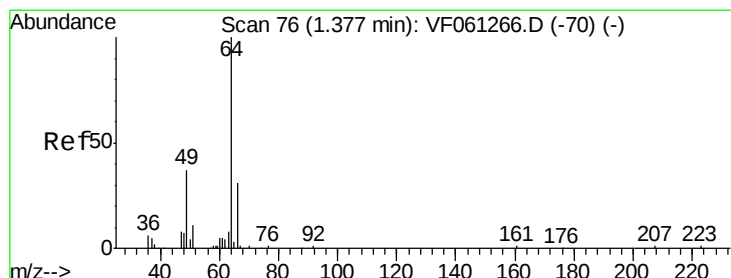
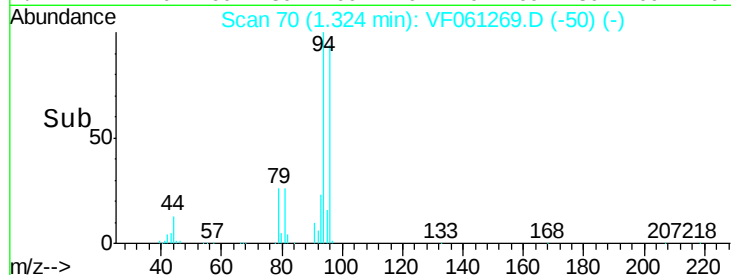
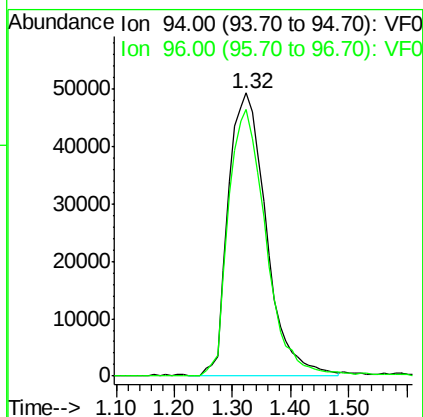
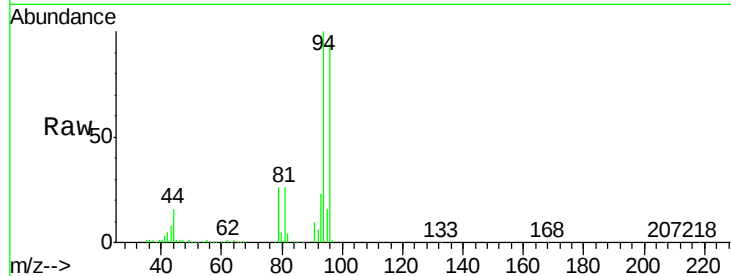
94 100

96 94.1 77.2 115.8

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#6

Chloroethane

Concen: 139.488 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061269.D

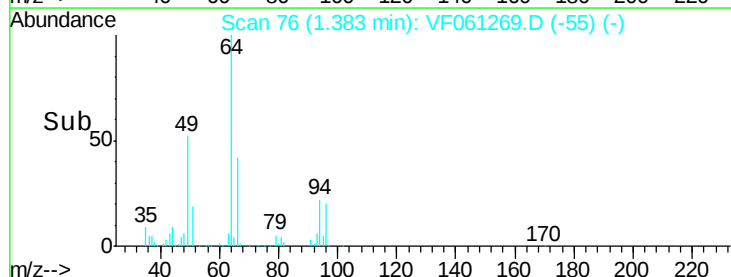
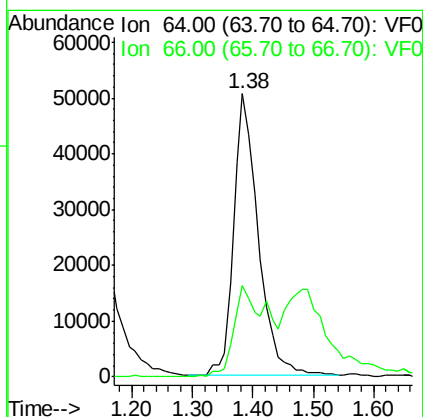
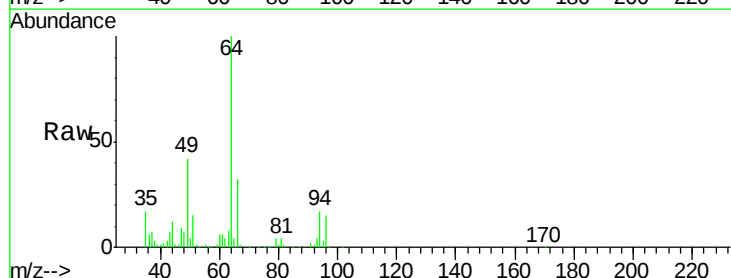
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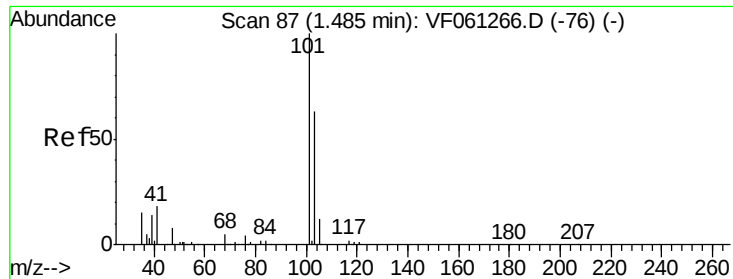
Tgt Ion: 64 Resp: 142907

Ion Ratio Lower Upper

64 100

66 32.1 25.2 37.8





#7

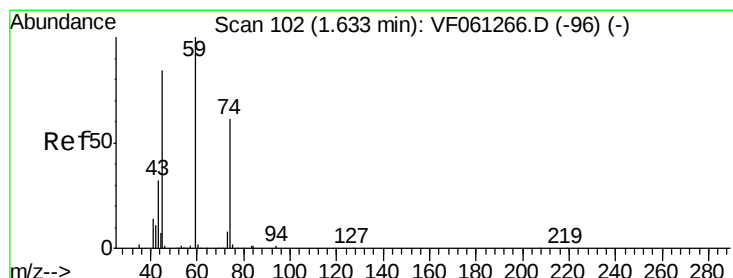
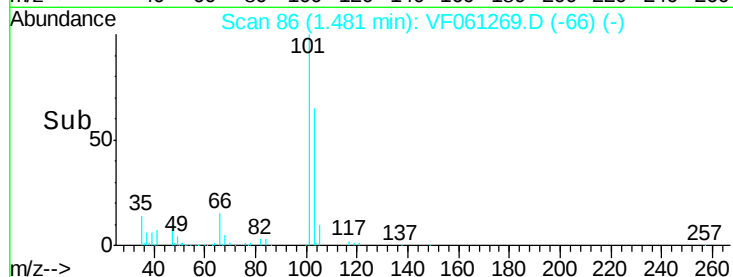
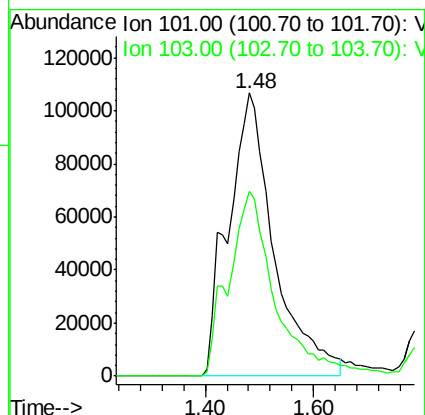
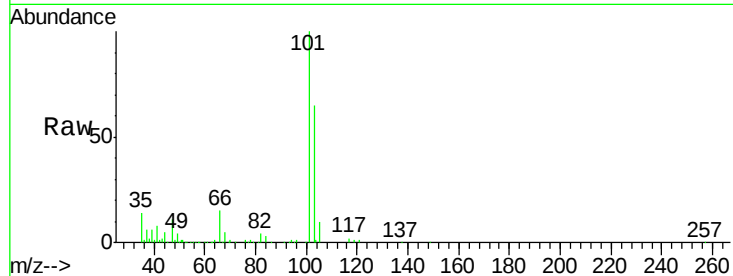
Trichlorofluoromethane
Concen: 150.119 ug/l
RT: 1.48 min Scan# 86
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
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ClientSampleId :
VSTDICC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		631358		
103	65.2	50.3	75.5		

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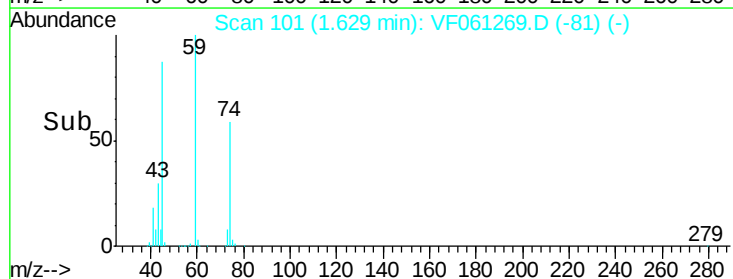
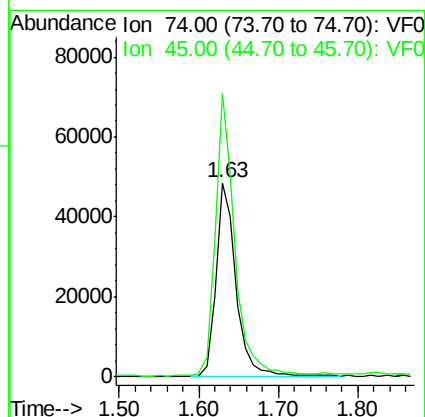
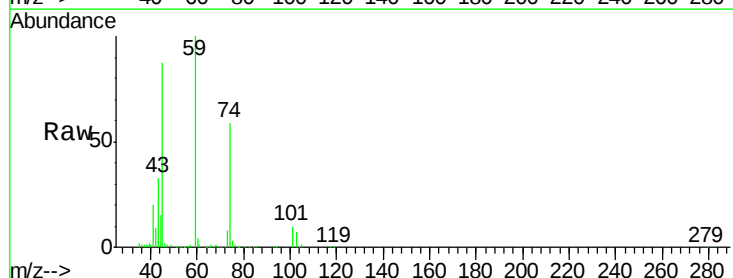
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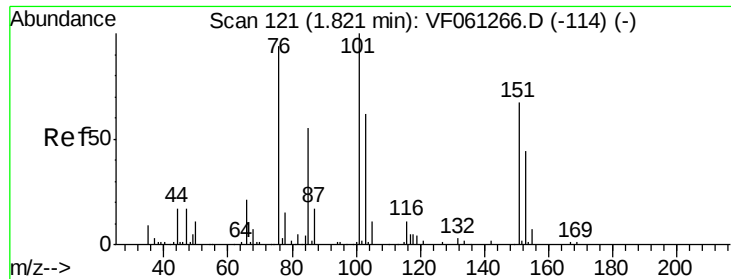


#8

Diethyl Ether
Concen: 152.350 ug/l
RT: 1.63 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		87056		
45	146.0	69.0	207.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.950 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

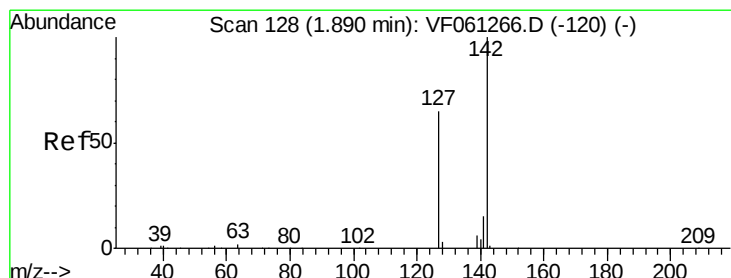
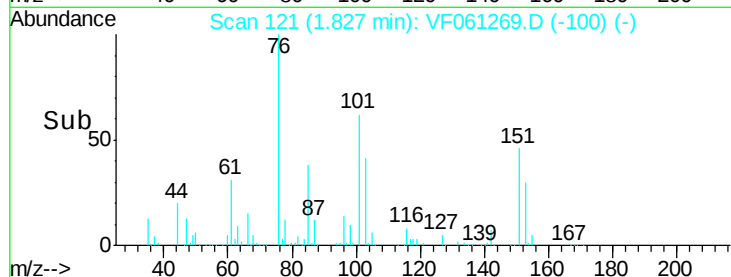
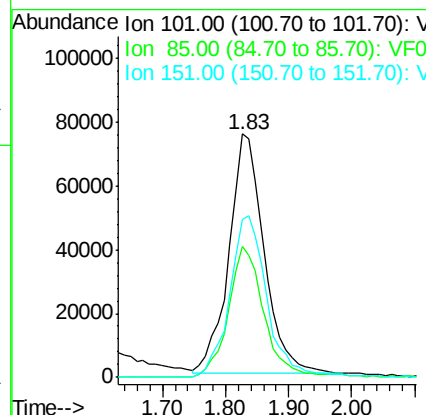
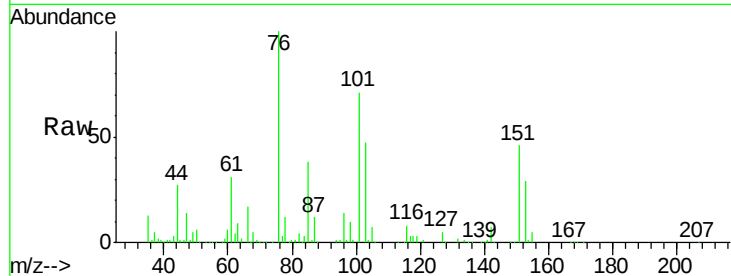
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	290075
Ion Ratio	Lower	Upper	
101	100		
85	53.9	42.9	64.3
151	64.9	52.4	78.6

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#10

Methyl Iodide

Concen: 150.696 ug/l m

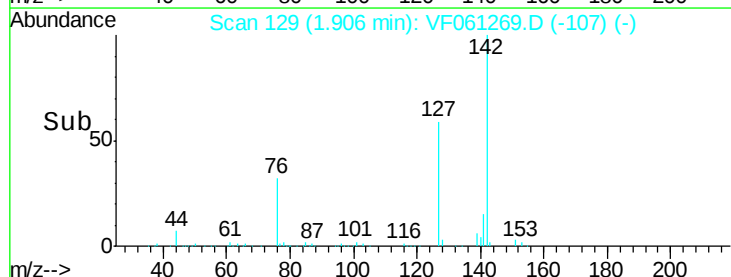
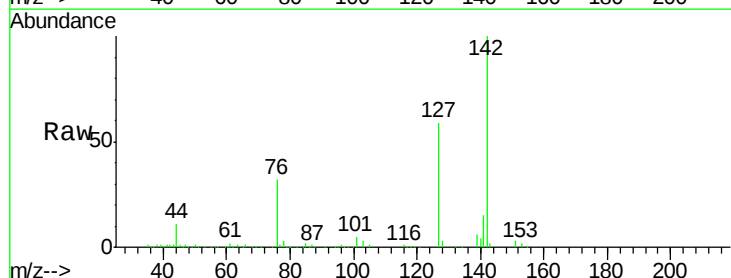
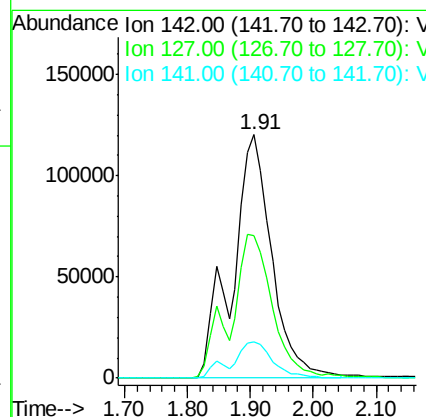
RT: 1.91 min Scan# 129

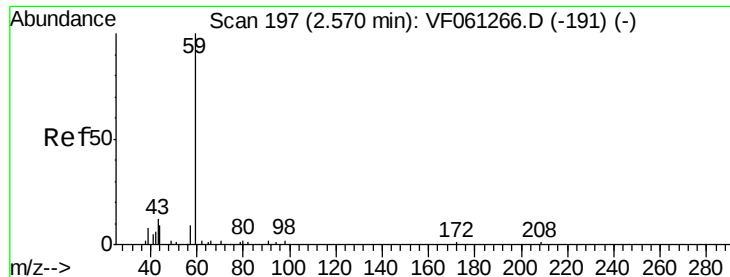
Delta R.T. 0.02 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	142	Resp:	519644
Ion Ratio	Lower	Upper	
142	100		
127	58.7	52.3	78.5
141	15.0	12.2	18.4





#11

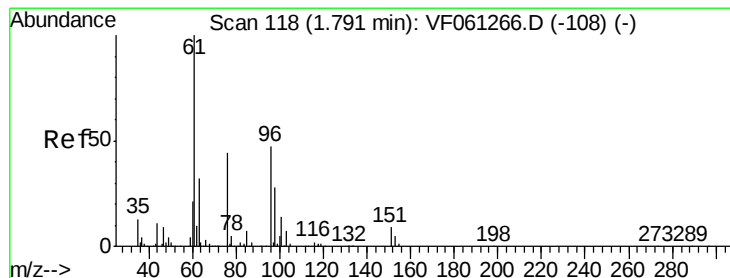
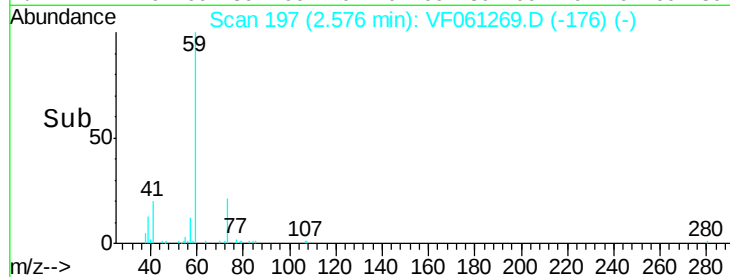
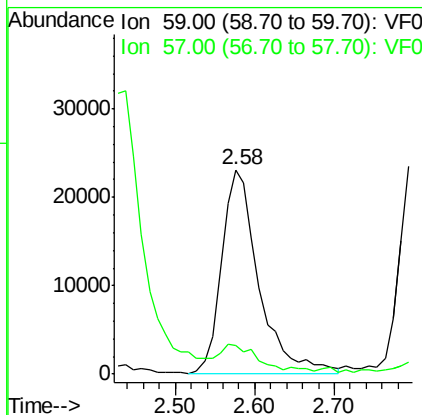
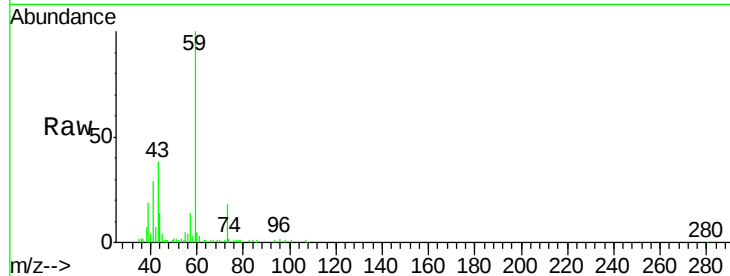
Tert butyl alcohol
Concen: 798.731 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	59	Resp	76264
Ion Ratio	100	Lower	Upper
57	14.3	12.6	18.8

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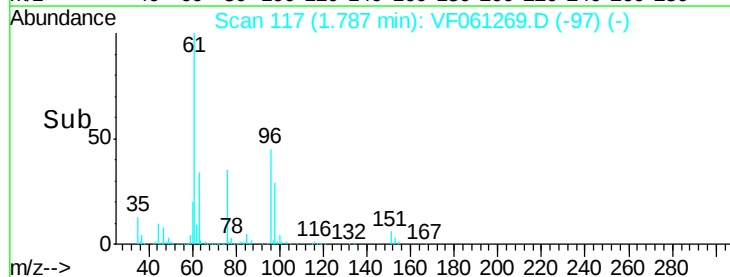
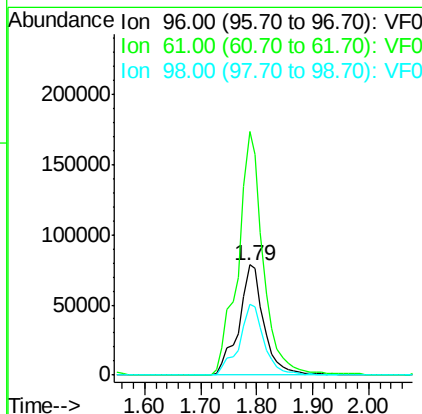
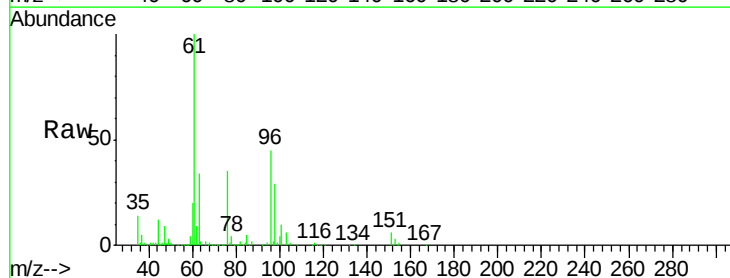
apatel
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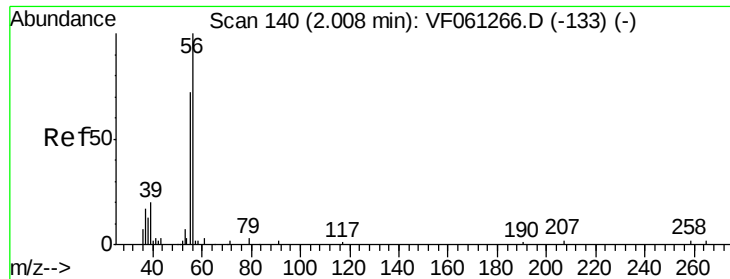


#12

1,1-Dichloroethene
Concen: 148.944 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	96	Resp	245440
Ion Ratio	100	Lower	Upper
61	221.1	171.6	257.4
98	64.2	48.6	72.8





#13

Acrolein

Concen: 865.409 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tot Ion: 56 Resp: 61983

Ion Ratio Lower Upper

56 100

55 79.7 59.7 89.5

Instrument :

MSVOA_F

ClientSampleId :

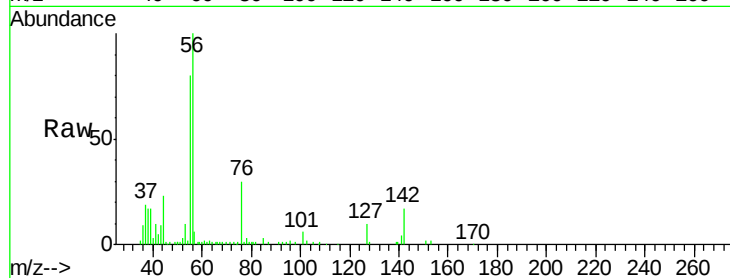
VSTDIC150

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

25000

20000

15000

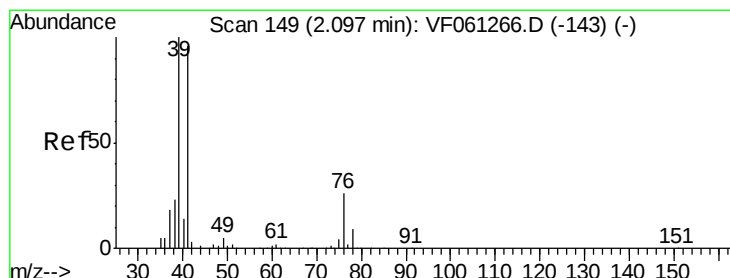
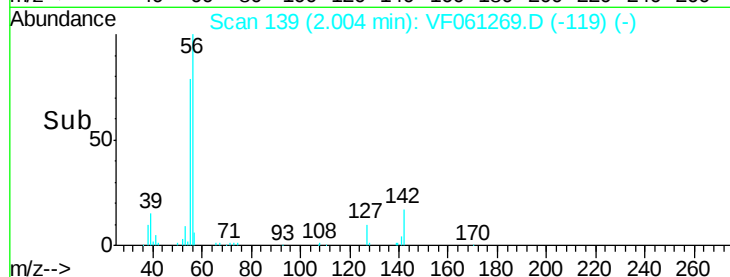
10000

5000

0

Time-->

1.80 1.90 2.00 2.10 2.20



#14

Allyl chloride

Concen: 193.448 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

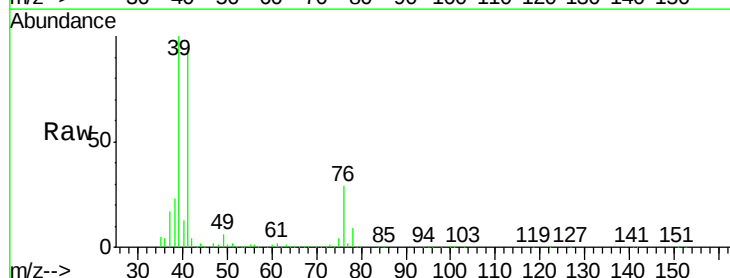
Tgt Ion: 41 Resp: 363729

Ion Ratio Lower Upper

41 100

39 106.2 83.4 125.2

76 30.5 23.9 35.9



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

250000

200000

150000

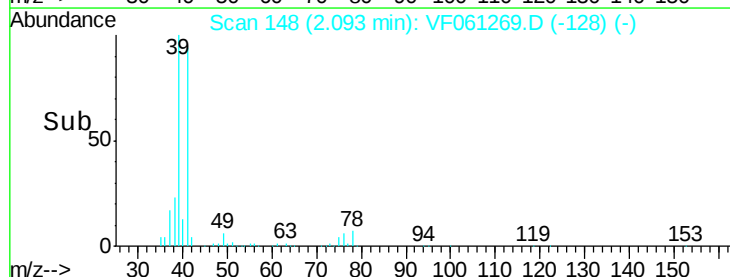
100000

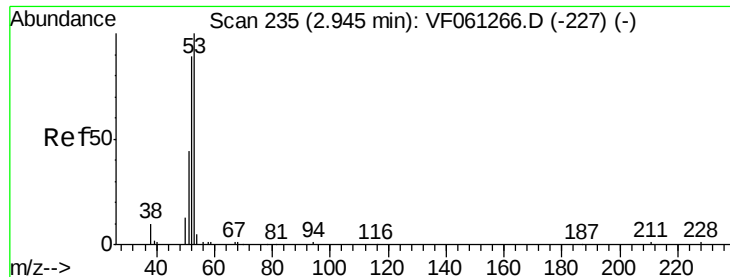
50000

0

Time-->

2.00 2.05 2.10 2.15





#15

Acrylonitrile

Concen: 892.425 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

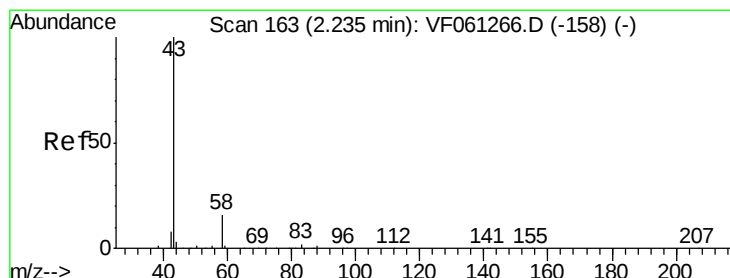
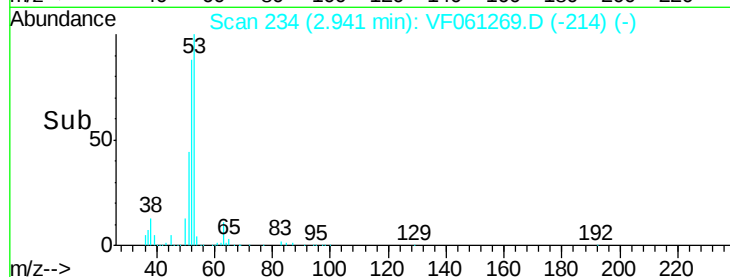
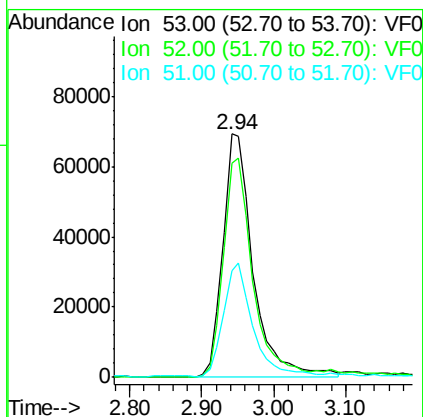
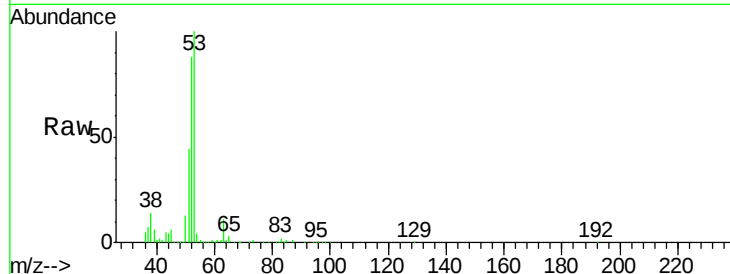
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	201224
Ion	Ratio	Lower	Upper
53	100		
52	87.9	71.3	106.9
51	44.0	36.2	54.4

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#16

Acetone

Concen: 645.257 ug/l

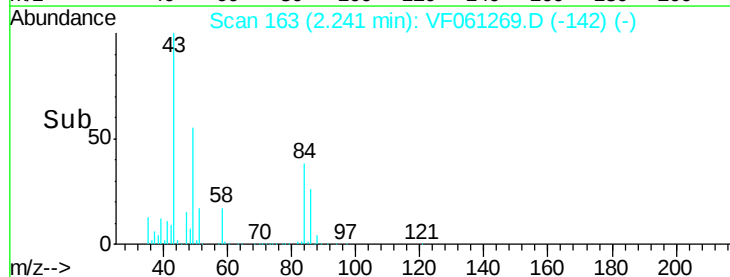
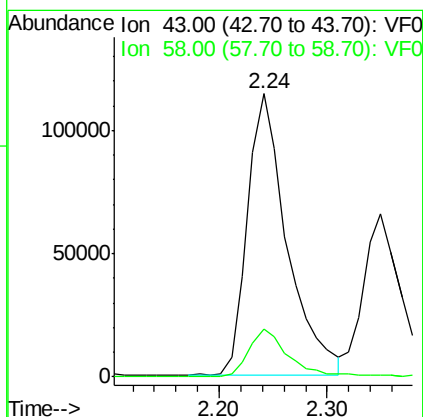
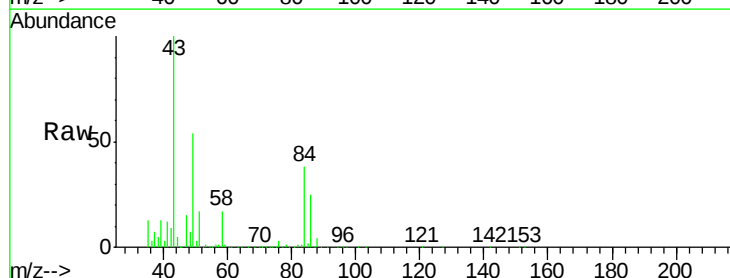
RT: 2.24 min Scan# 163

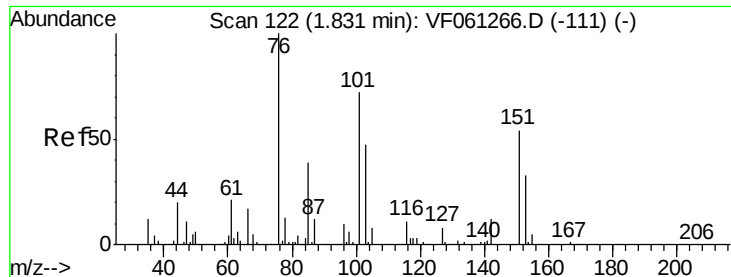
Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	43	Resp:	293763
Ion	Ratio	Lower	Upper
43	100		
58	17.0	13.0	19.4





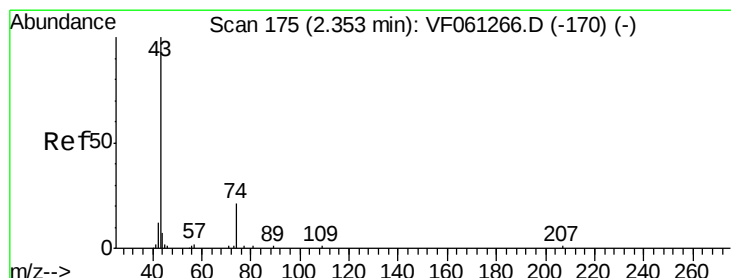
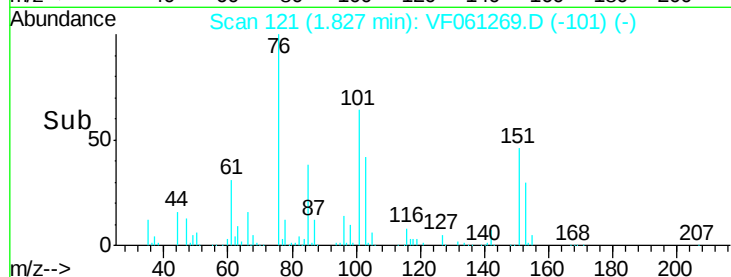
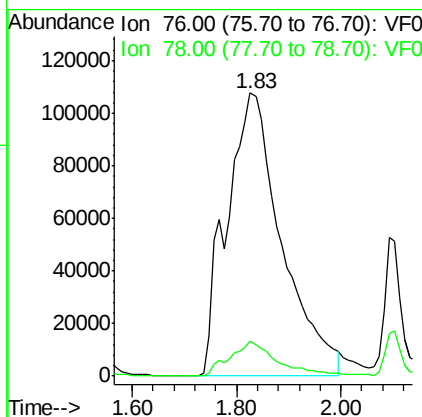
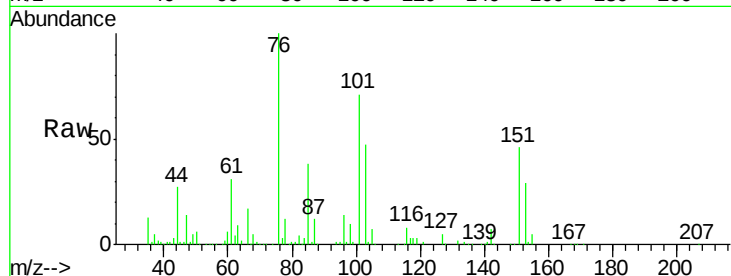
#17
Carbon Disulfide
Concen: 153.608 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 775868
Ion Ratio Lower Upper
76 100
78 12.3 10.2 15.4

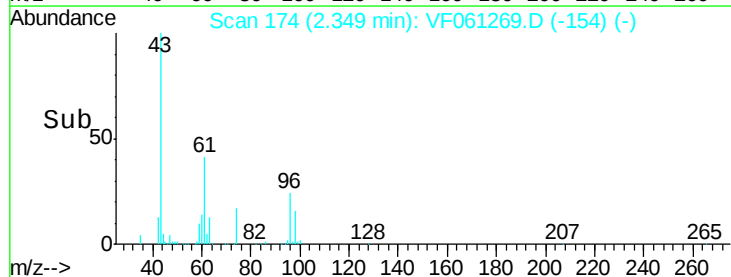
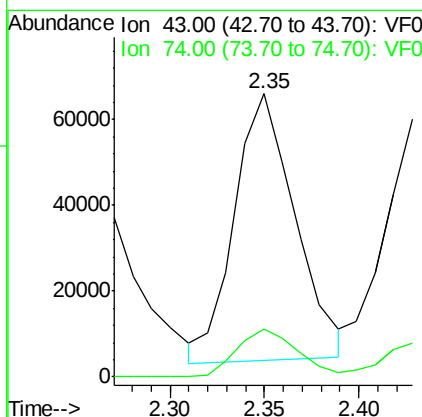
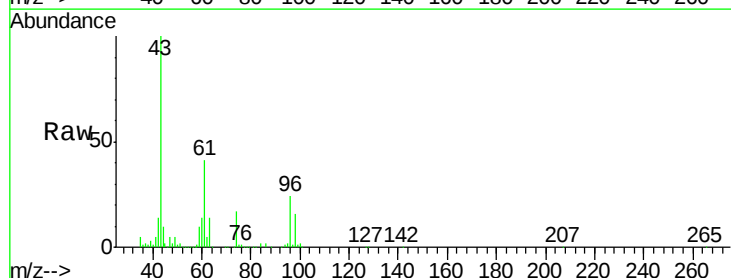
Manual Integrations
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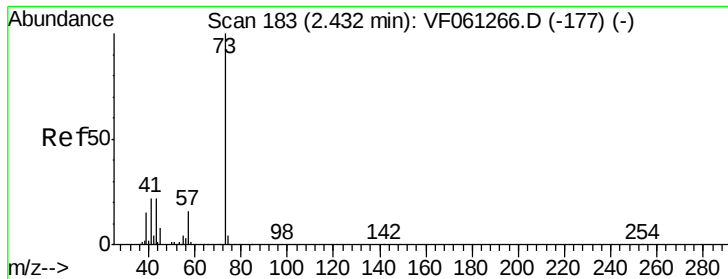
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#18
Methyl Acetate
Concen: 140.270 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 43 Resp: 138915
Ion Ratio Lower Upper
43 100
74 17.0 14.4 21.6





#19

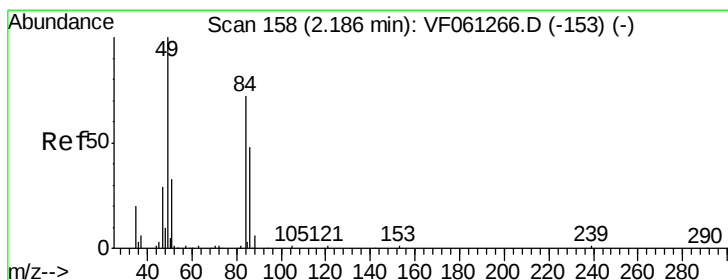
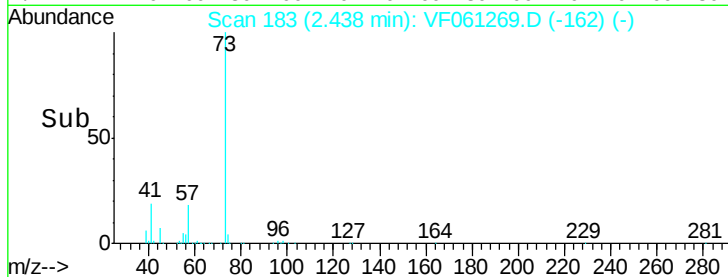
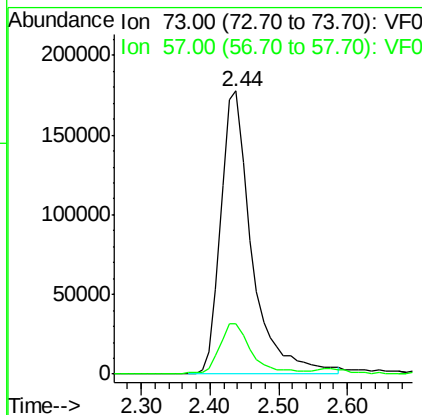
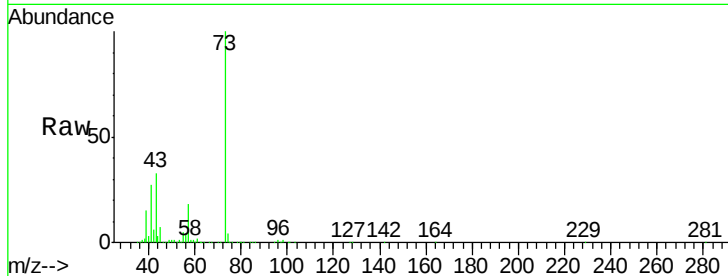
Methyl tert-butyl Ether
 Concen: 154.943 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	73	Resp	557970
Ion Ratio	100	Lower	Upper
73	100		
57	18.0	14.0	21.0

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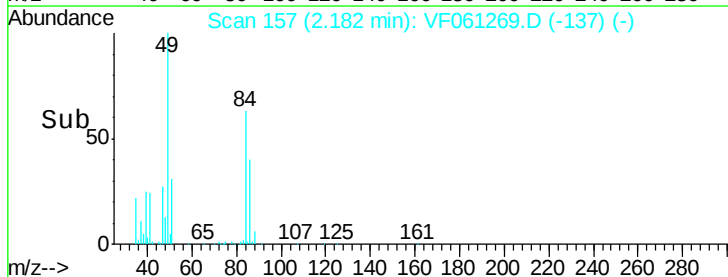
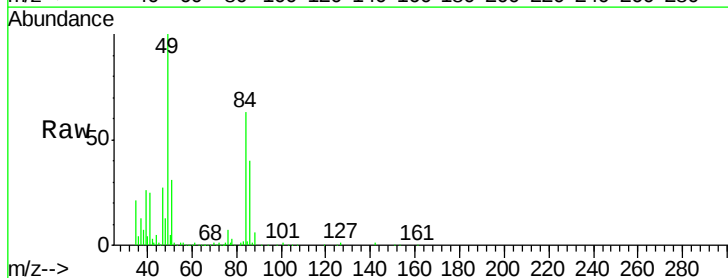
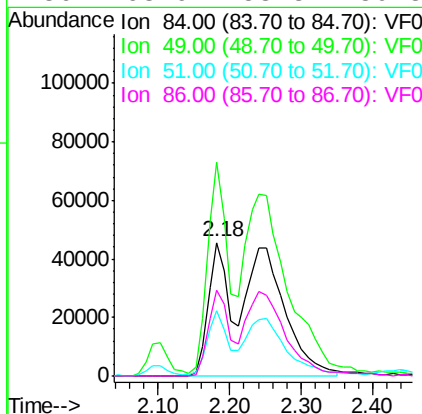
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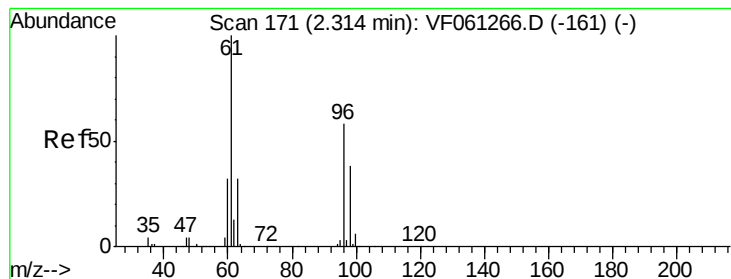


#20

Methylene Chloride
 Concen: 140.729 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion	84	Resp	255533
Ion Ratio	100	Lower	Upper
84	100		
49	159.7	112.9	169.3
51	49.1	37.9	56.9
86	63.9	53.8	80.8





#21

trans-1,2-Dichloroethene

Concen: 153.478 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

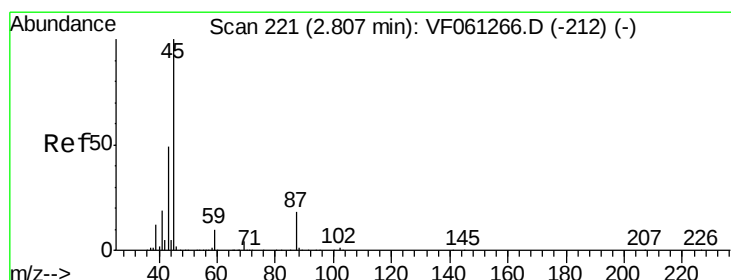
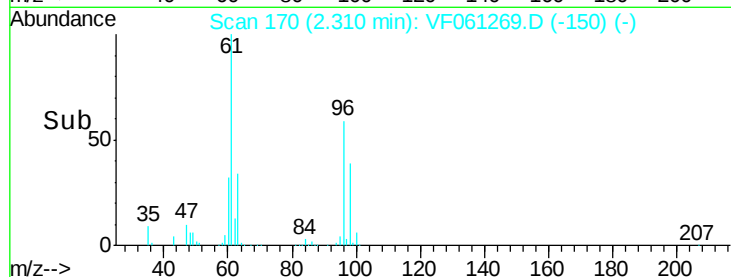
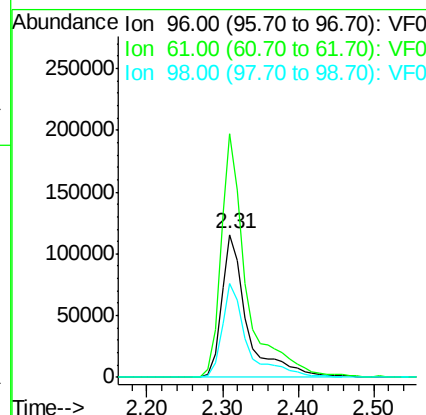
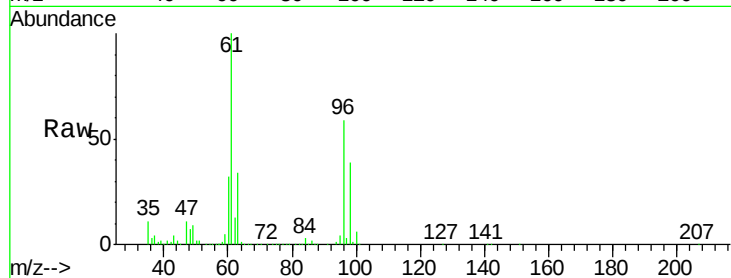
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	275057
Ion	Ratio	Lower	Upper
96	100		
61	170.2	139.3	208.9
98	66.0	52.6	78.8

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#22

Diisopropyl ether

Concen: 166.489 ug/l

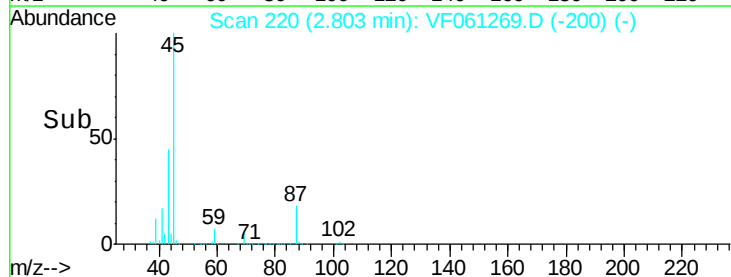
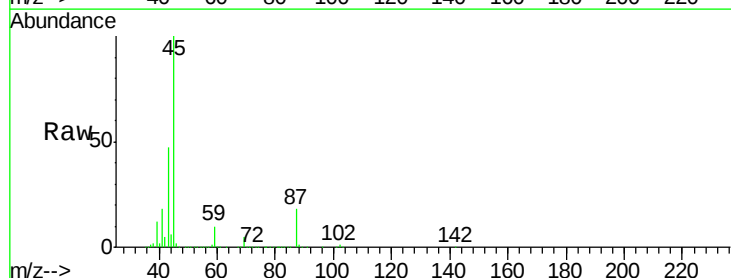
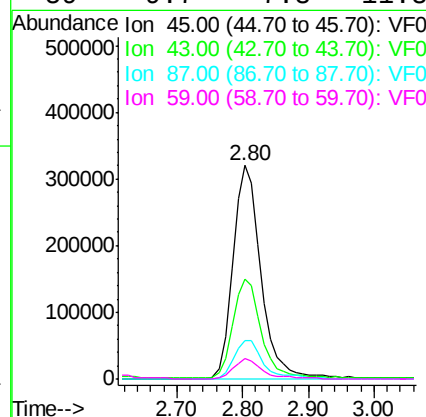
RT: 2.80 min Scan# 220

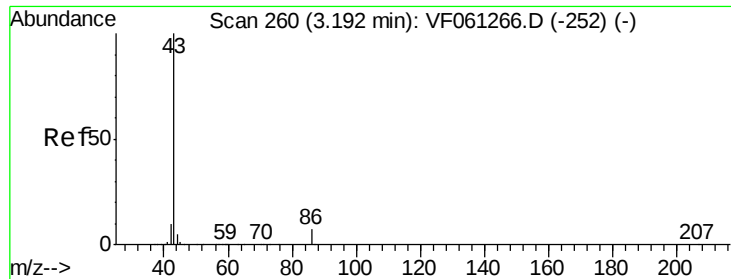
Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	45	Resp:	958557
Ion	Ratio	Lower	Upper
45	100		
43	46.9	39.5	59.3
87	18.2	14.8	22.2
59	9.7	7.8	11.8





#23

Vinyl Acetate

Concen: 777.611 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2043202

Ion Ratio Lower Upper

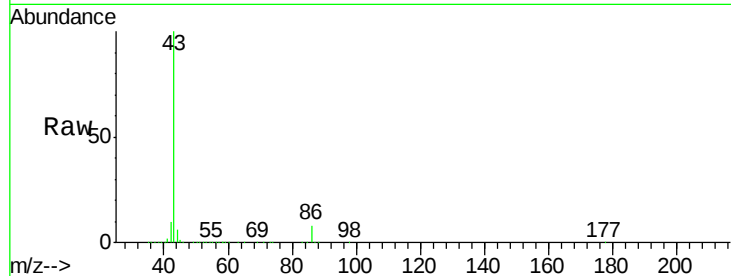
43 100

86 8.0 6.0 9.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

800000

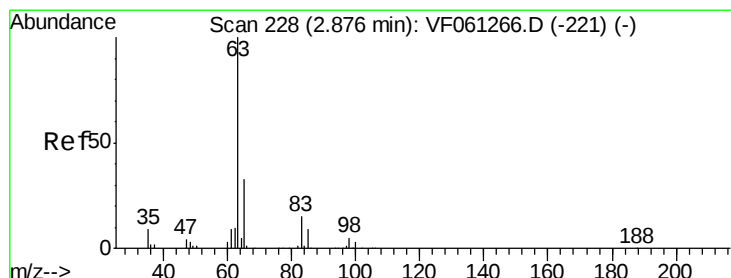
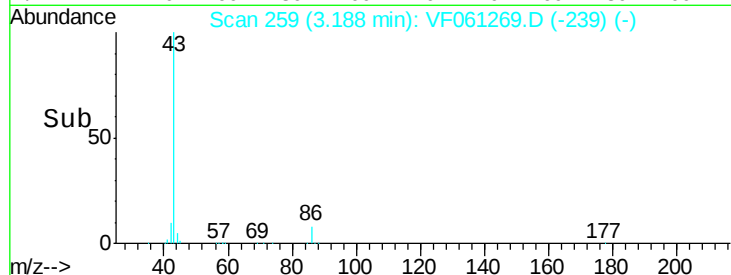
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 158.715 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

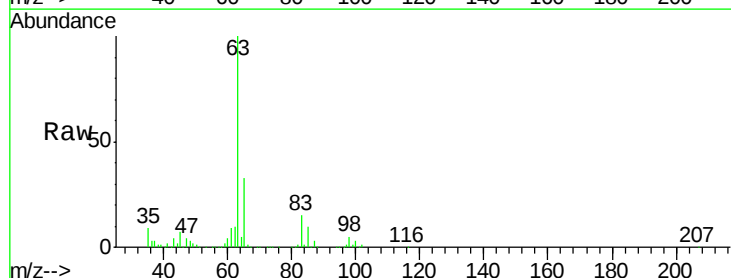
Tgt Ion: 63 Resp: 543276

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

100 3.4 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

250000

200000

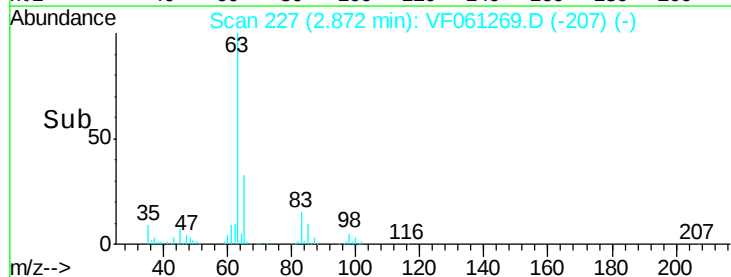
150000

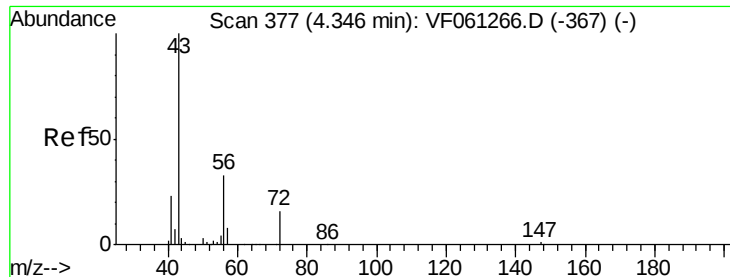
100000

50000

0

Time-->





#25

2-Butanone

Concen: 747.581 ug/l

RT: 4.33 min Scan# 375

Delta R.T. -0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 579015

Ion Ratio Lower Upper

43 100

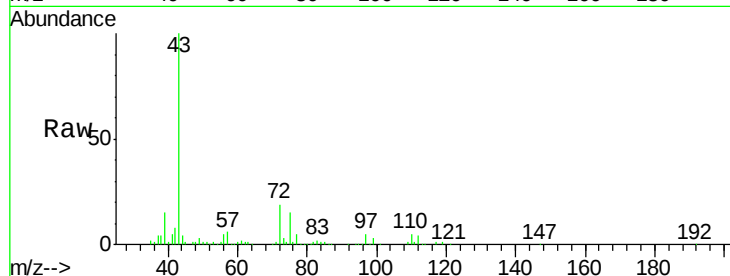
72 19.2 13.0 19.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

150000

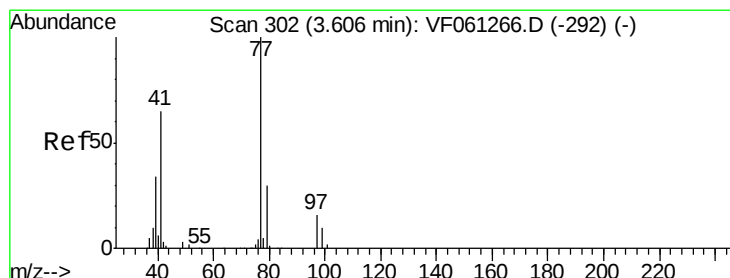
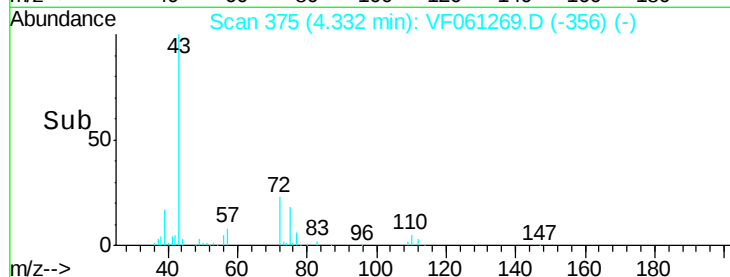
100000

50000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 146.091 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.00 min

Lab File: VF061269.D

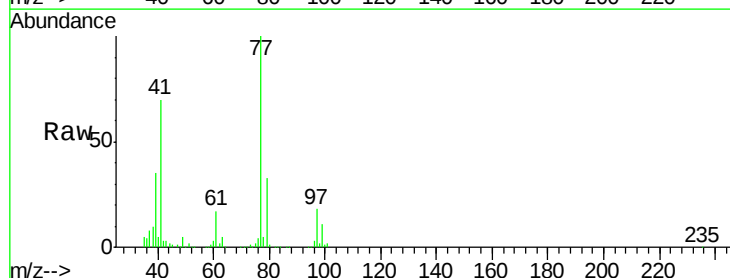
Acq: 3 Jan 2019 17:11

Tgt Ion: 77 Resp: 288892

Ion Ratio Lower Upper

77 100

97 18.5 8.9 26.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

100000

80000

60000

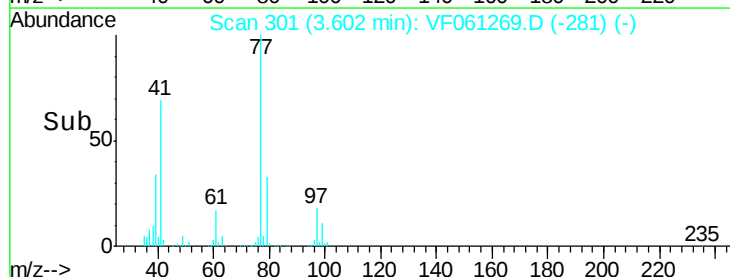
40000

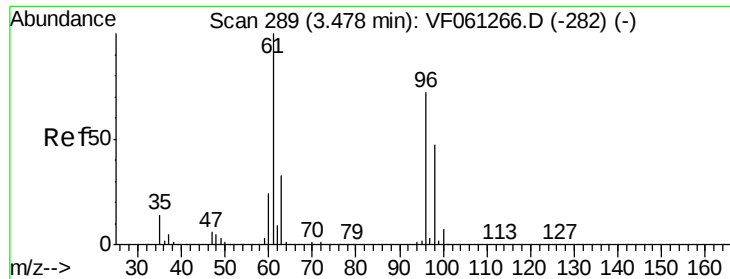
20000

0

3.40 3.50 3.60 3.70 3.80

Time-->





#27

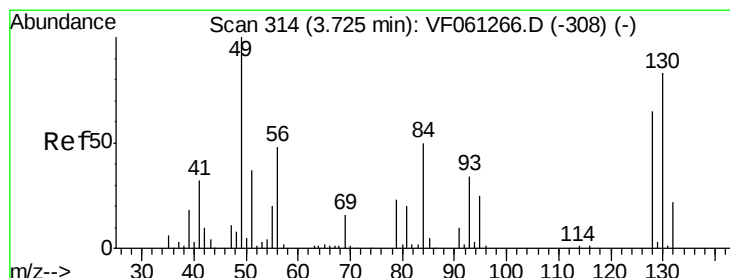
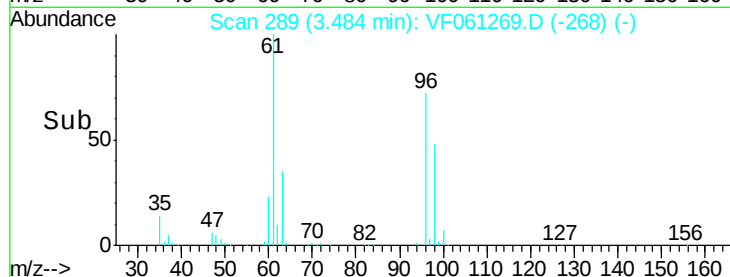
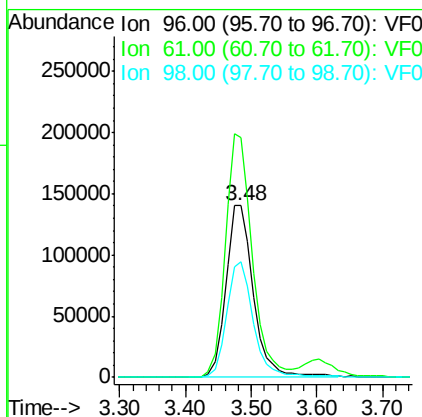
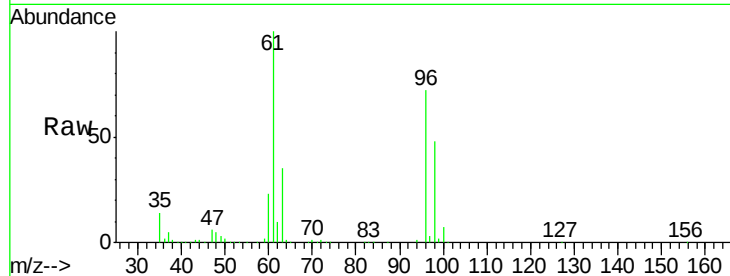
cis-1,2-Dichloroethene
Concen: 151.259 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	277.8
98	67.3	0.0	130.8

Manual Integrations
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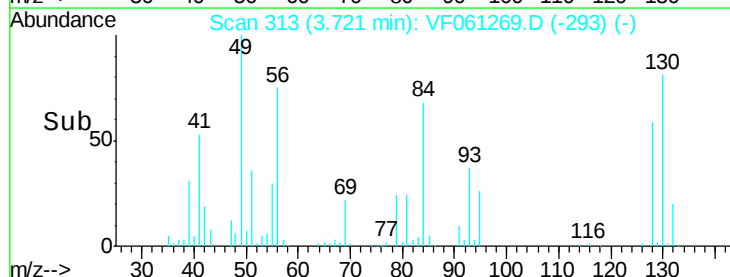
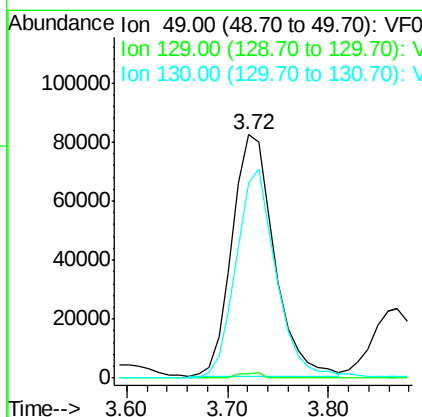
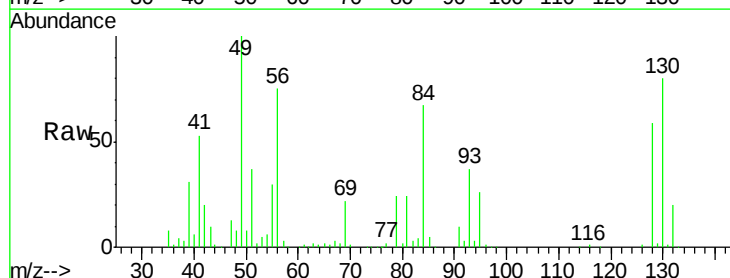
apatel
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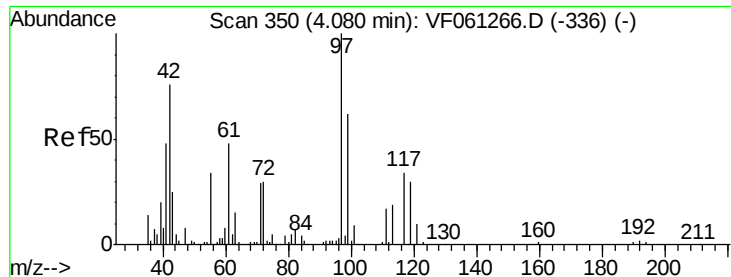


#28

Bromochloromethane
Concen: 141.440 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	5.4
130	80.2	65.7	98.5





#29

Tetrahydrofuran

Concen: 767.485 ug/l

RT: 4.08 min Scan# 349

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

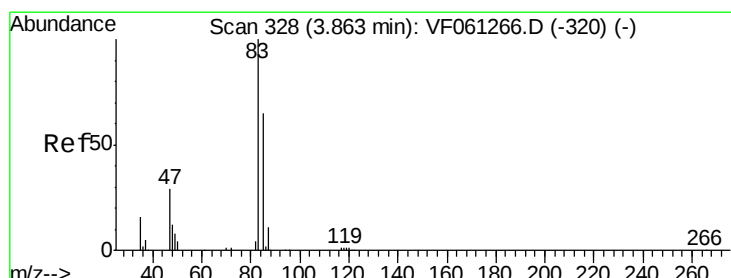
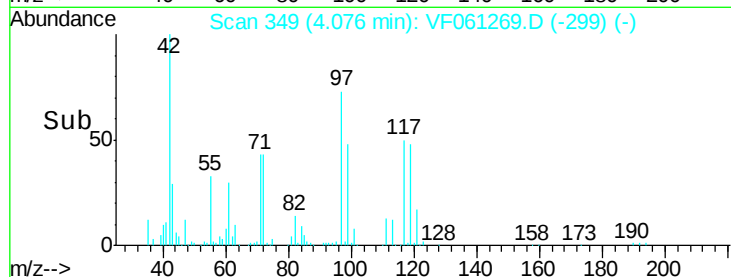
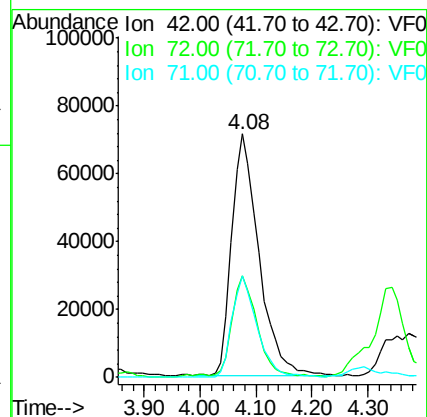
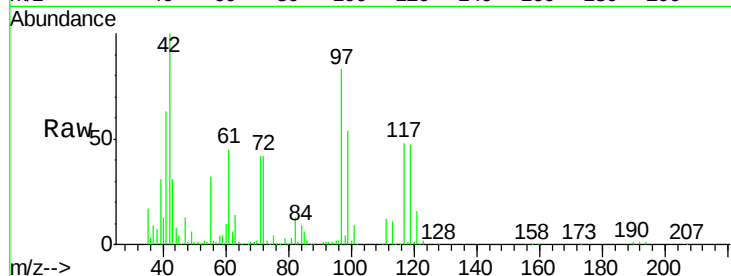
ClientSampleId :

VSTDIC150

Tot Ion	42	Resp	242481
Ion Ratio	Lower	Upper	
42	100		
72	38.4	29.2	43.8
71	38.4	29.1	43.7

Manual Integrations
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#30

Chloroform

Concen: 142.661 ug/l

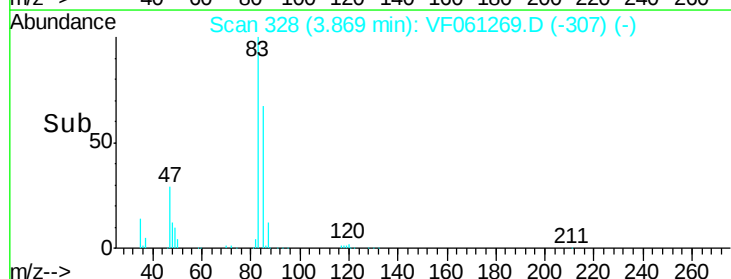
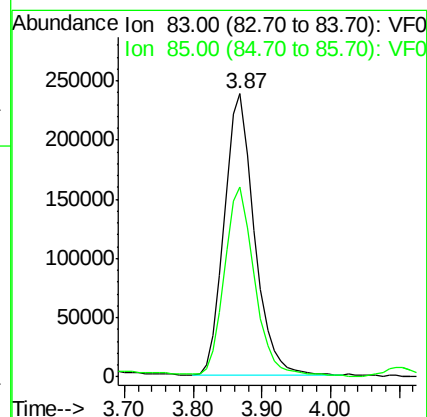
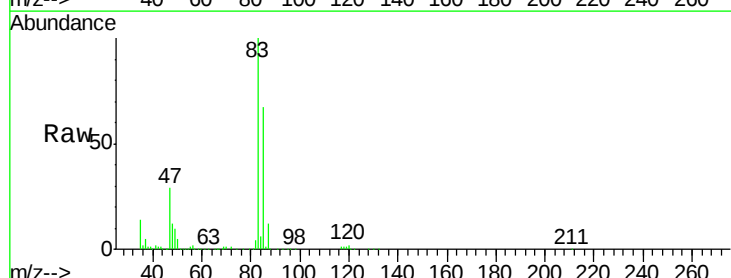
RT: 3.87 min Scan# 328

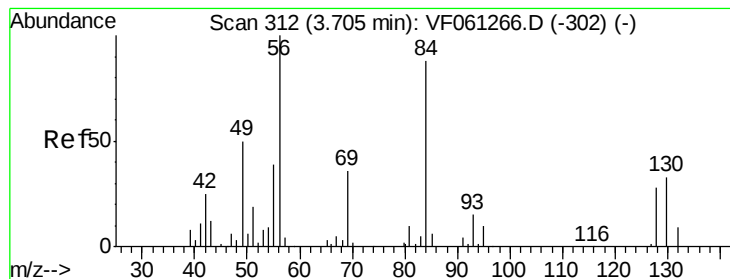
Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion	83	Resp	722623
Ion Ratio	Lower	Upper	
83	100		
85	67.0	52.2	78.4





#31

Cyclohexane

Concen: 148.912 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

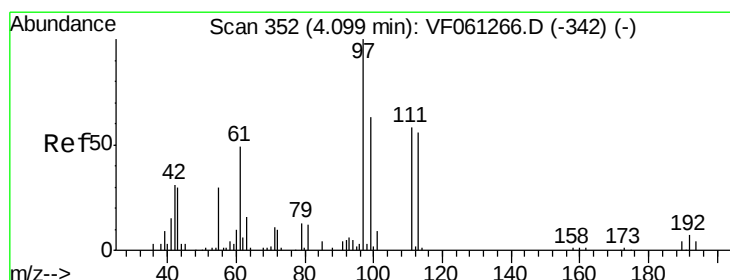
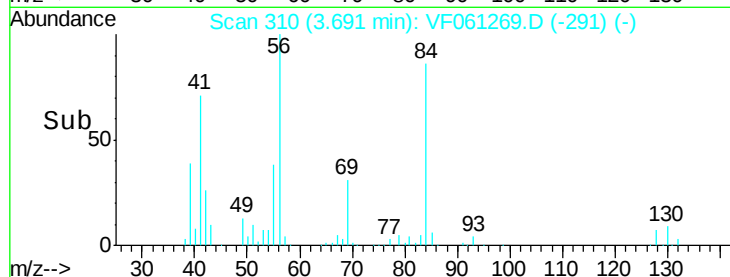
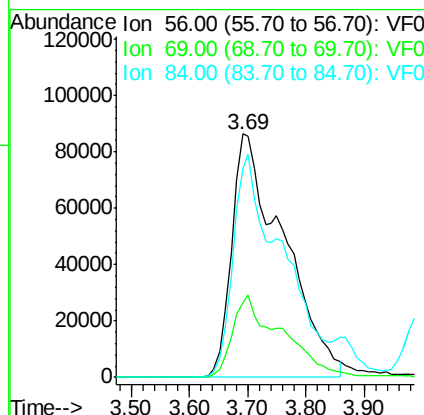
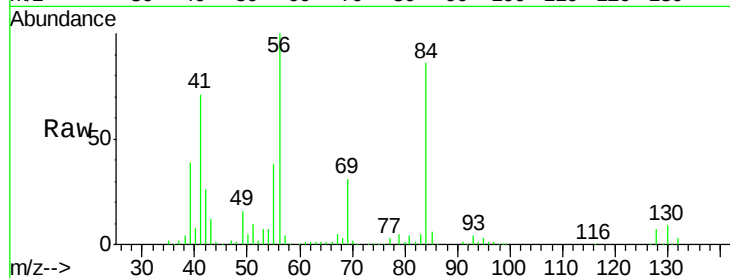
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	533920
Ion Ratio	Lower	Upper	
56	100		
69	30.9	28.7	43.1
84	85.7	70.6	106.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 161.598 ug/l

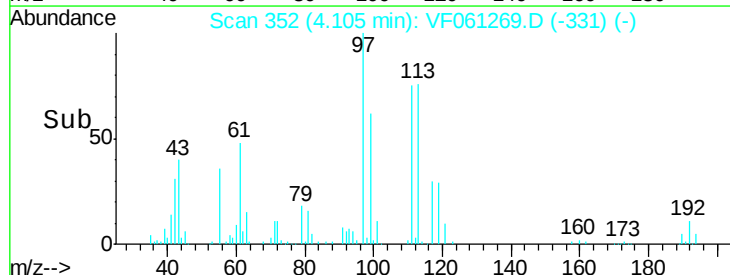
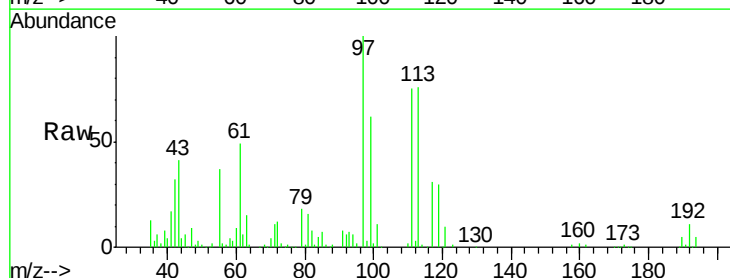
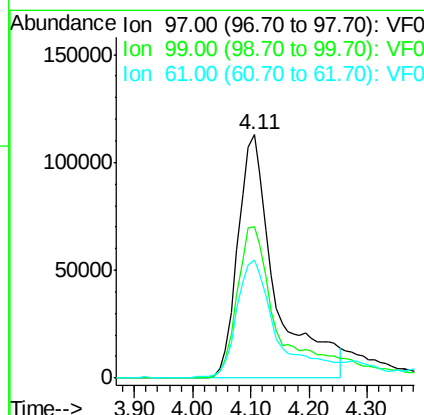
RT: 4.11 min Scan# 352

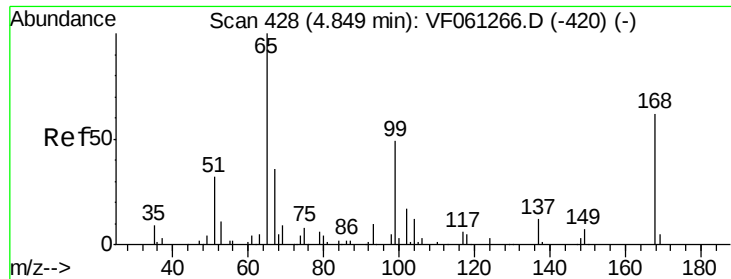
Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	97	Resp:	510858
Ion Ratio	Lower	Upper	
97	100		
99	62.5	50.6	76.0
61	48.8	39.6	59.4





#33

1,2-Dichloroethane-d4

Concen: 154.086 ug/l

RT: 4.85 min Scan# 427

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tot Ion: 65 Resp: 368393

Ion Ratio Lower Upper

65 100

67 47.4 0.0 90.4

Instrument :

MSVOA_F

ClientSampleId :

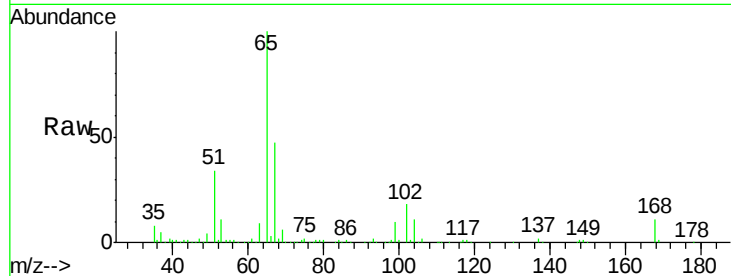
VSTDIC150

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

150000

100000

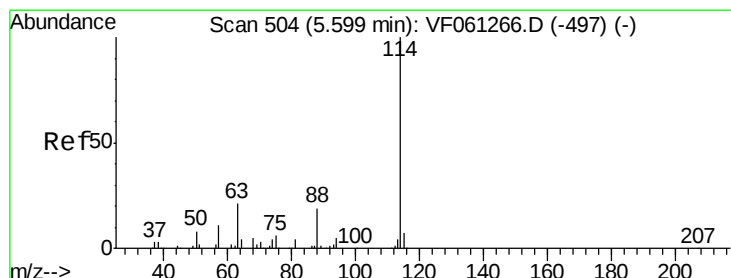
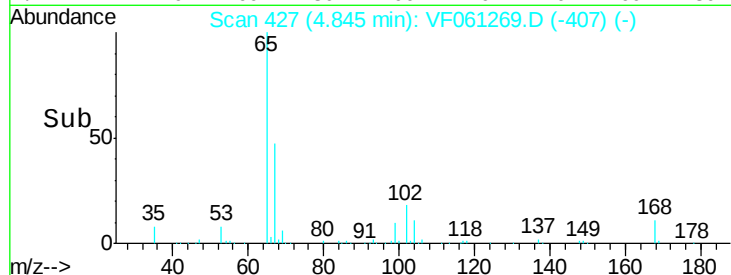
50000

0

4.85

4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

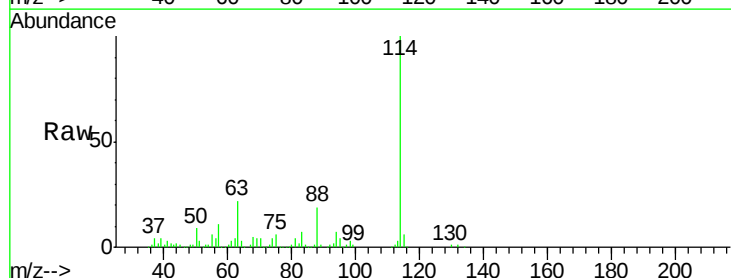
Tgt Ion: 114 Resp: 338007

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 19.2 0.0 38.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

100000

50000

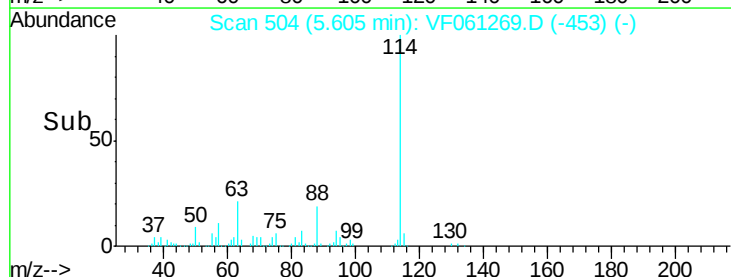
0

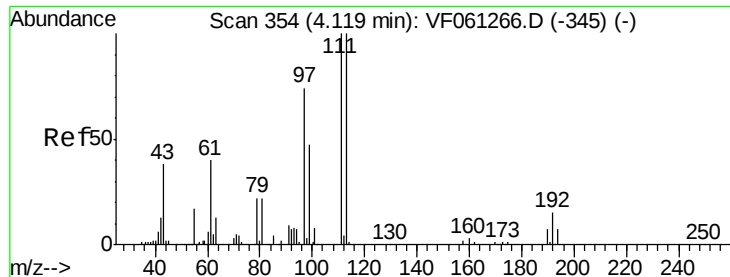
5.60

5.70

5.80

Time-->





#35

Dibromofluoromethane

Concen: 142.122 ug/l

RT: 4.13 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

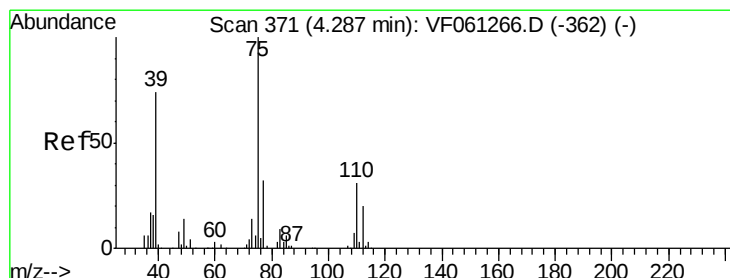
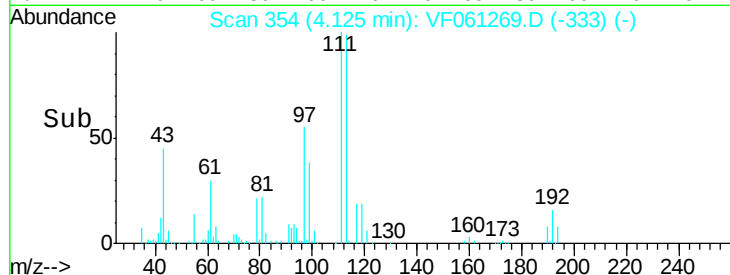
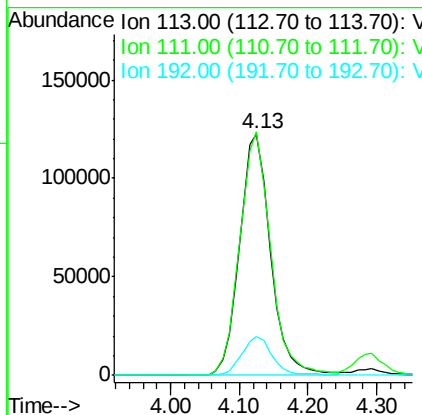
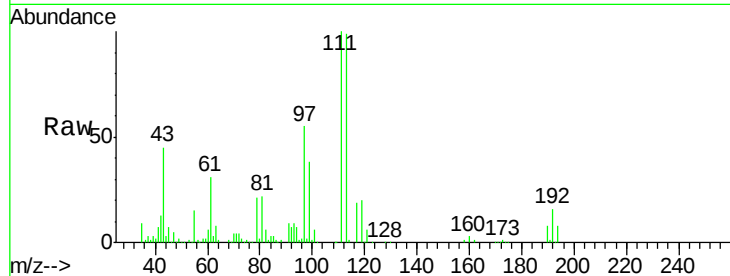
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	383831
Ion	Ratio	Lower	Upper
113	100		
111	100.8	79.8	119.6
192	16.3	11.9	17.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 136.074 ug/l

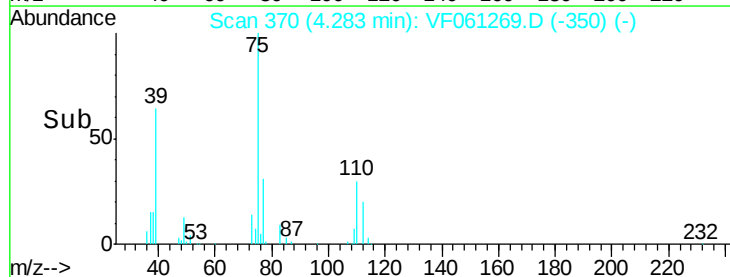
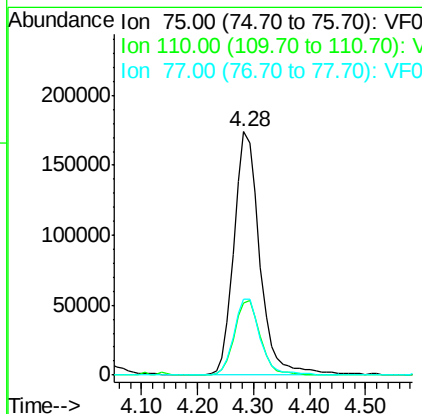
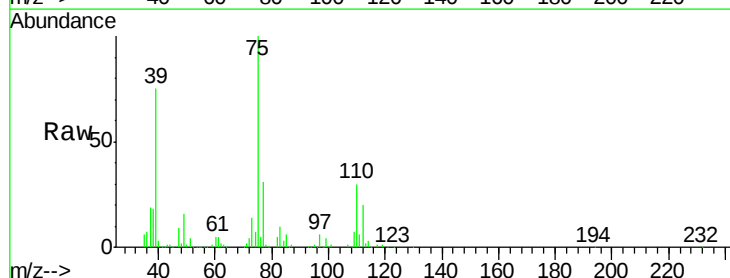
RT: 4.28 min Scan# 370

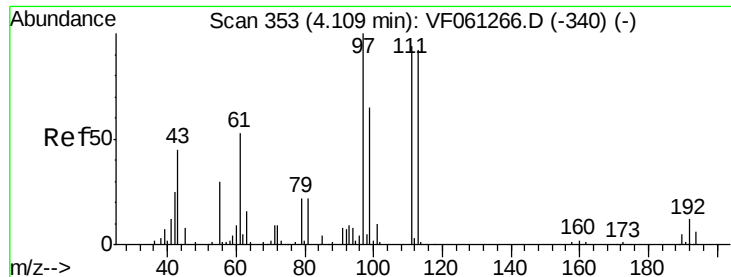
Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	75	Resp:	556291
Ion	Ratio	Lower	Upper
75	100		
110	29.8	15.4	46.4
77	31.0	25.6	38.4





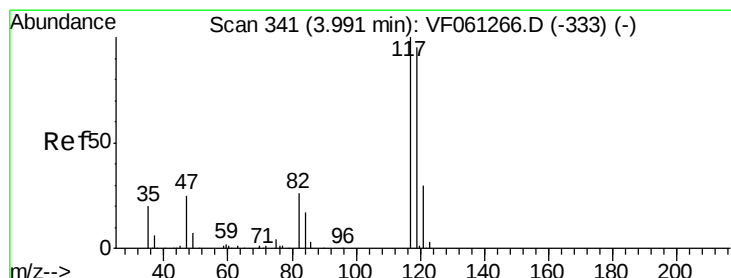
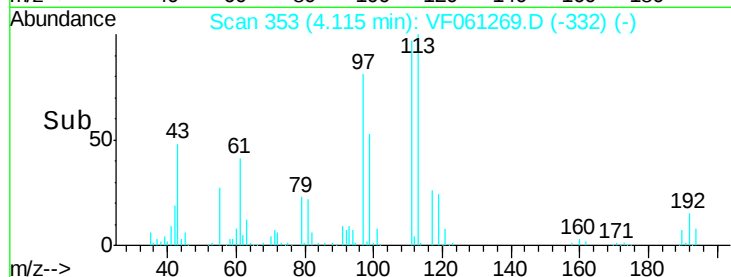
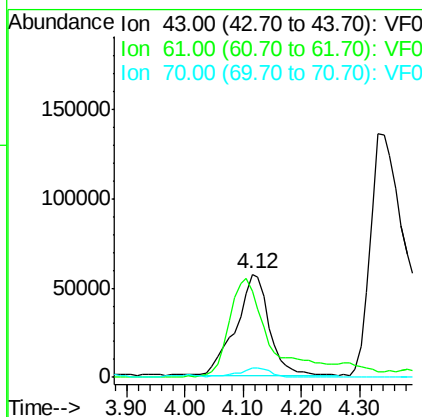
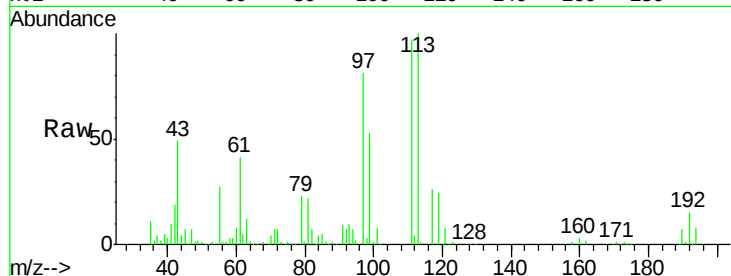
#37
Ethyl Acetate
Concen: 136.161 ug/l
RT: 4.12 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	83.4	91.2	136.8#
70	8.8	7.1	10.7

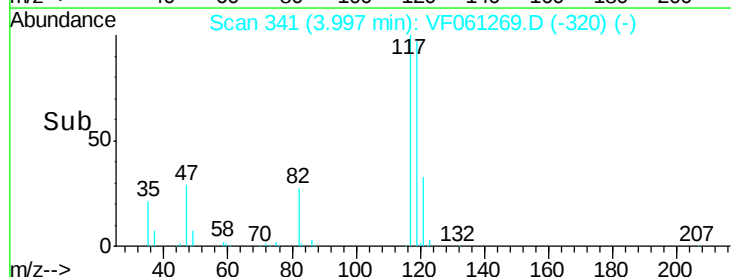
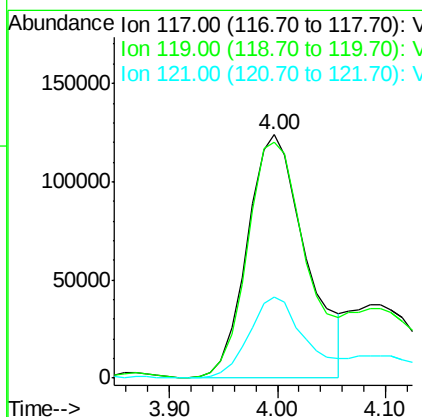
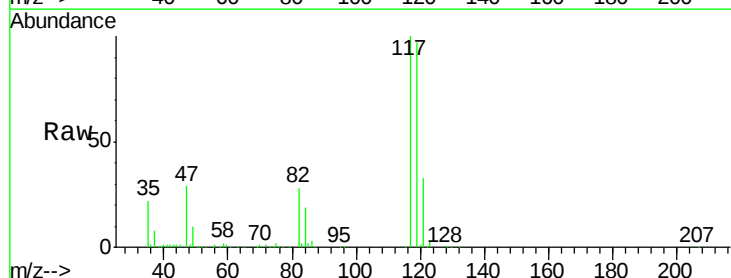
Manual Integrations
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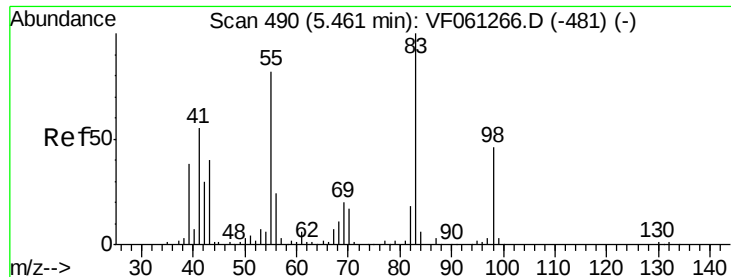
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#38
Carbon Tetrachloride
Concen: 147.514 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.0	114.0
121	33.4	23.8	35.8





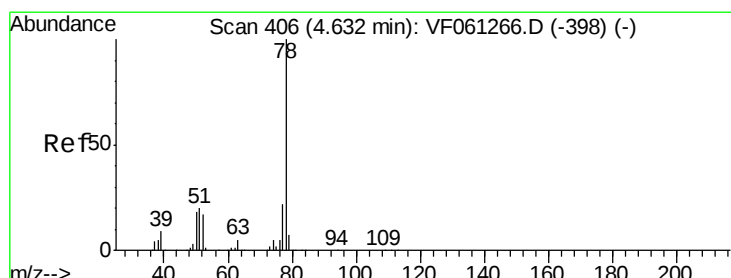
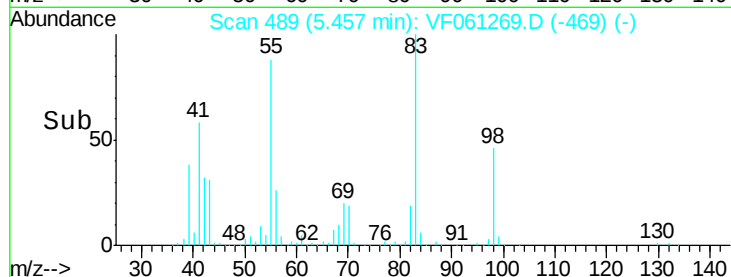
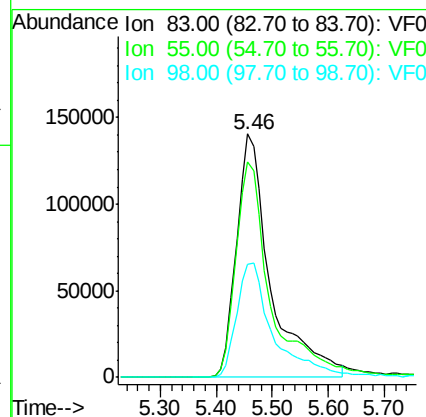
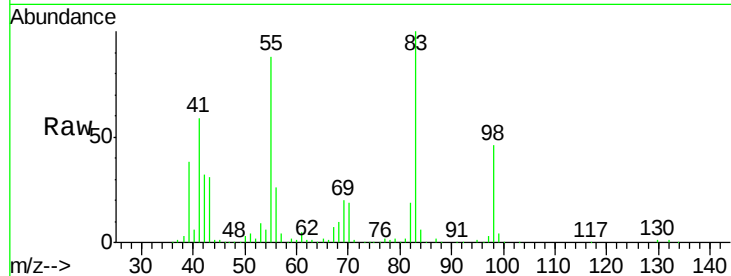
#39
Methvlcvclohexane
Concen: 159.354 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	598542		
55	88.4	65.6	98.4	
98	46.2	36.7	55.1	

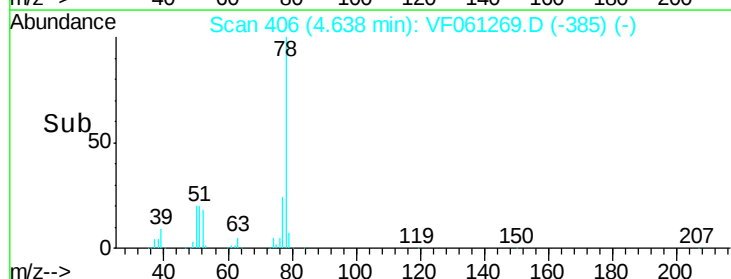
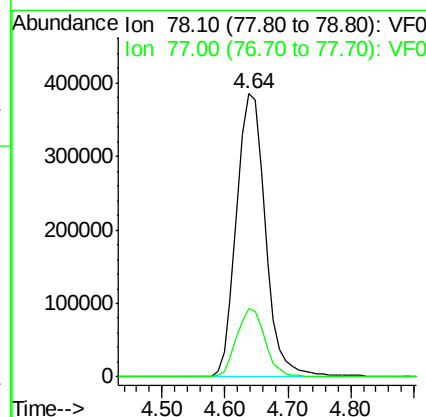
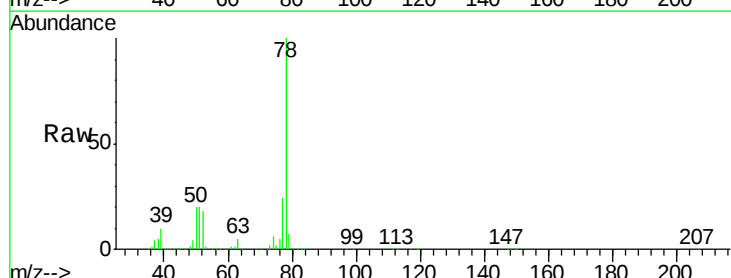
Manual Integrations
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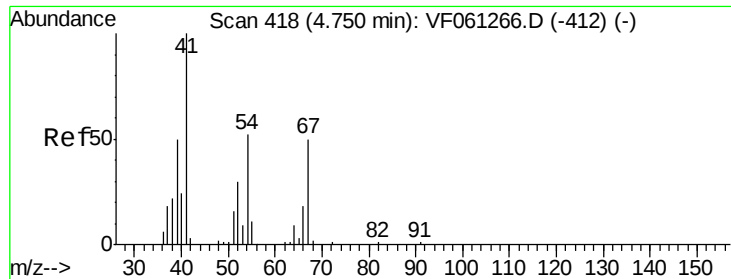
apatel
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#40
Benzene
Concen: 138.604 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1226794		
77	24.3	18.0	27.0	





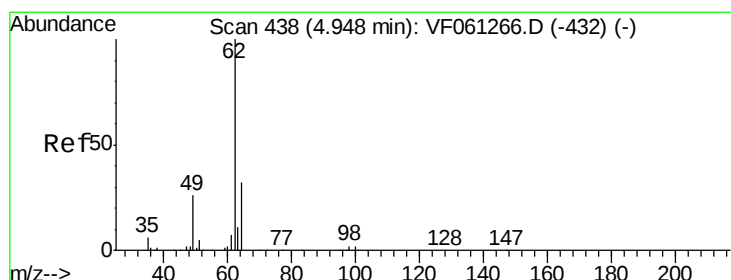
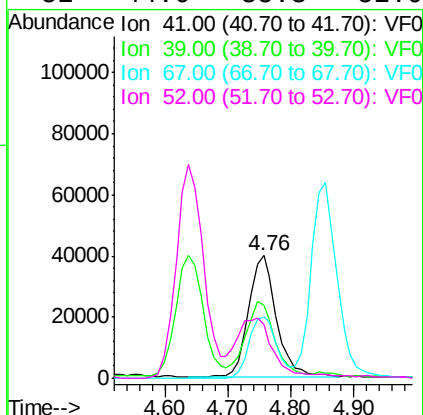
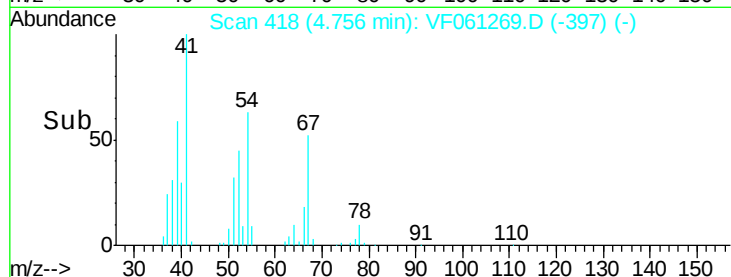
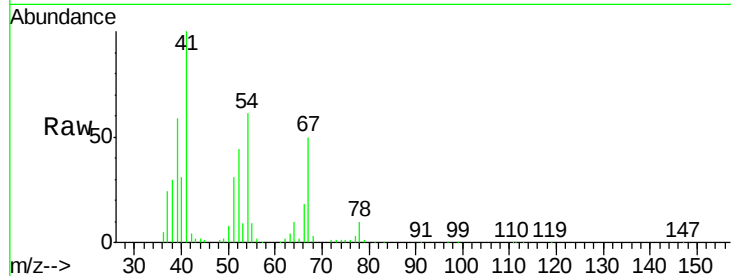
#41
Methacrylonitrile
Concen: 144.209 ug/l
RT: 4.76 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	121983
Ion Ratio	Lower	Upper	
41	100		
39	59.1	44.6	66.8
67	50.4	39.3	58.9
52	44.0	35.3	52.9

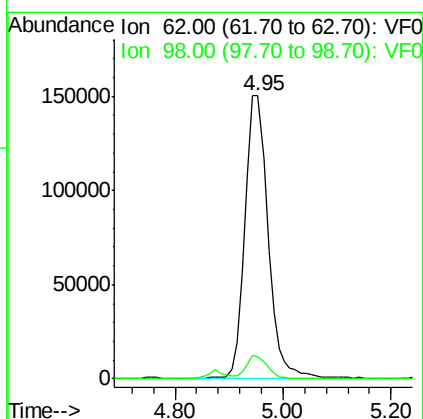
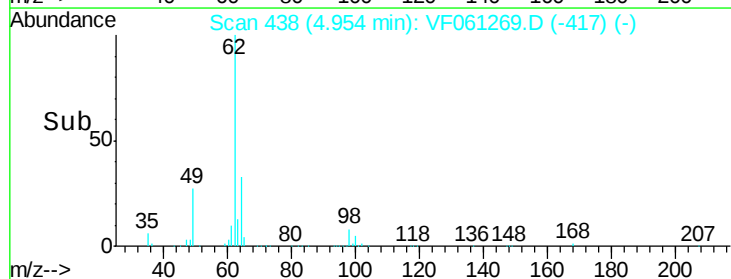
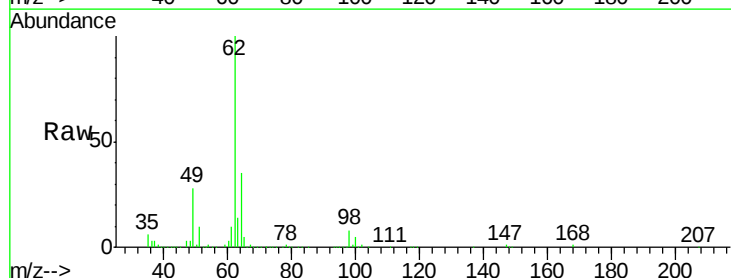
Manual Integrations
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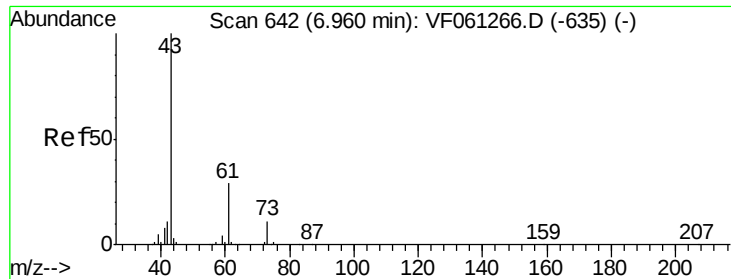
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#42
1,2-Dichloroethane
Concen: 138.795 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:	62	Resp:	451502
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	13.4





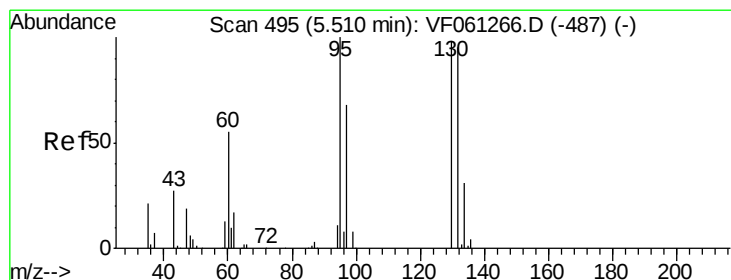
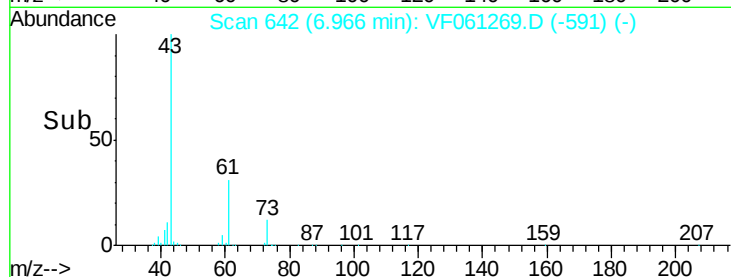
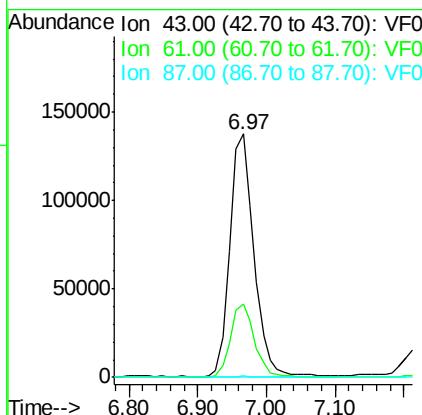
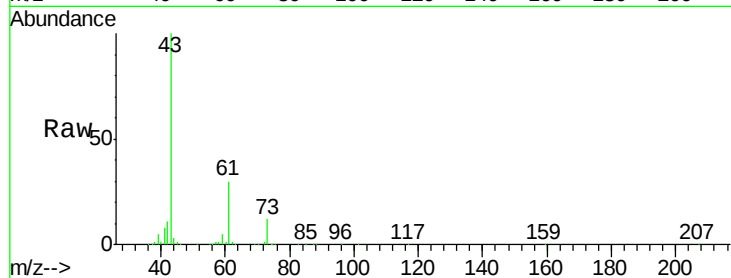
#43
Isopropyl Acetate
Concen: 169.357 ug/l
RT: 6.97 min Scan# 642
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.4	35.2
87	0.4	0.3	0.5

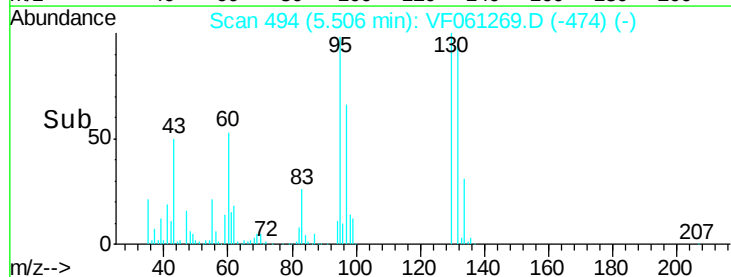
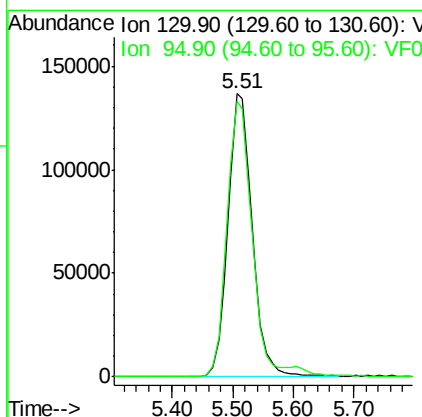
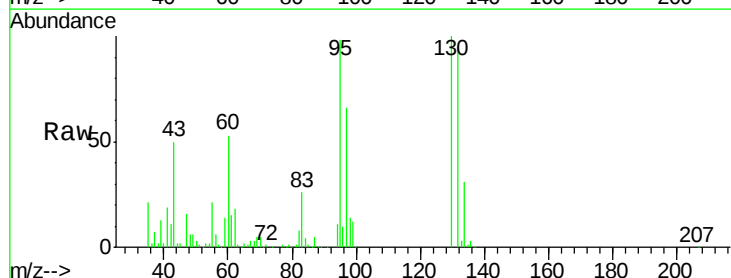
Manual Integrations
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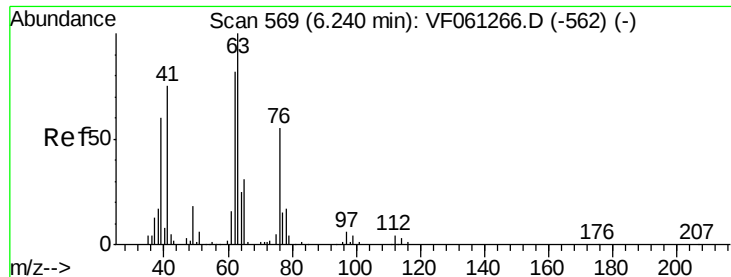
apatel
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#44
Trichloroethene
Concen: 138.957 ug/l
RT: 5.51 min Scan# 494
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	204.0





#45

1,2-Dichloropropane

Concen: 140.190 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 335572

Ion Ratio Lower Upper

63 100

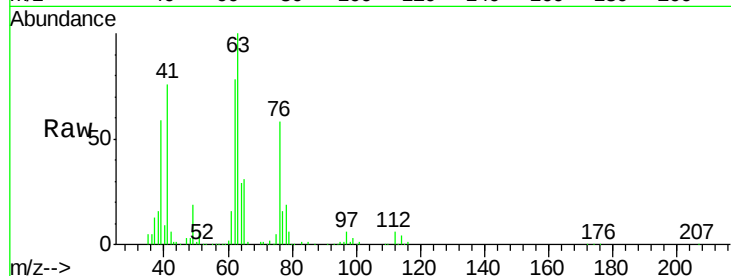
65 30.9 24.4 36.6

Manual Integrations

APPROVED

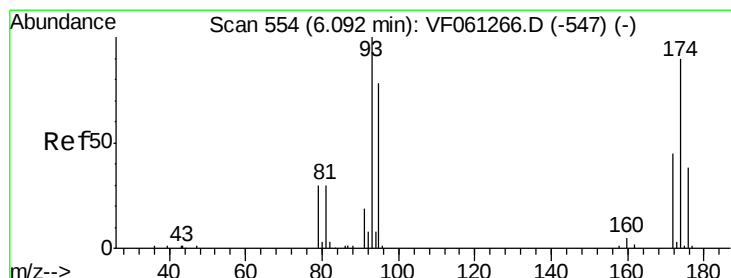
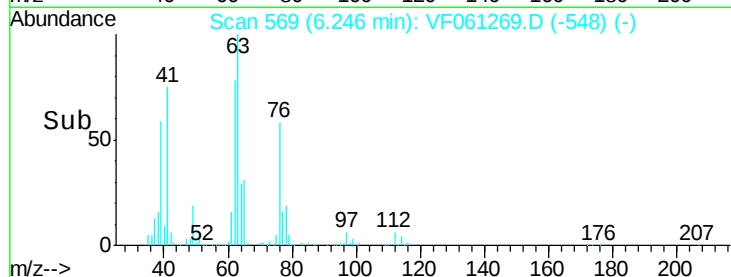
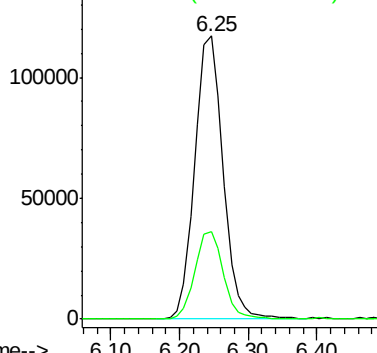
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 150.102 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

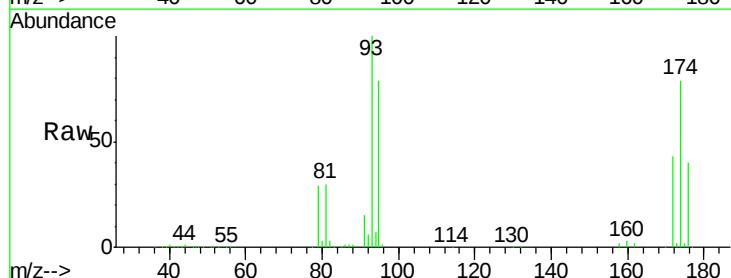
Tgt Ion: 93 Resp: 229515

Ion Ratio Lower Upper

93 100

95 78.8 62.4 93.6

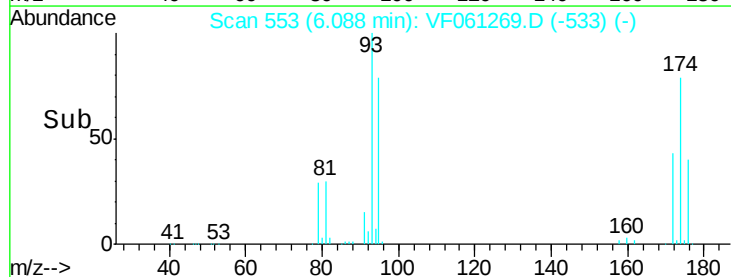
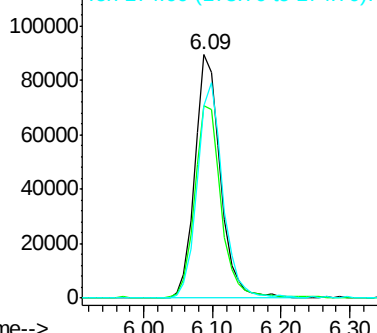
174 79.3 71.9 107.9

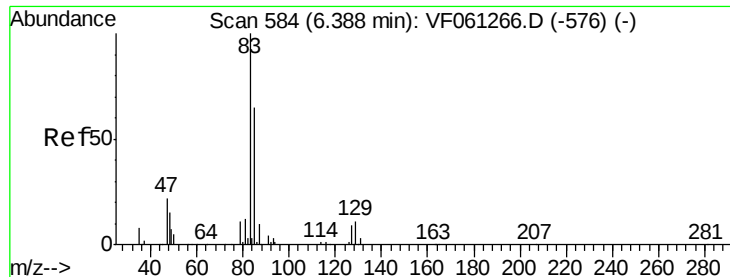


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 142.221 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

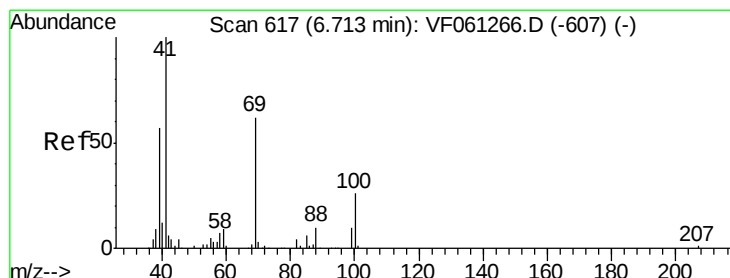
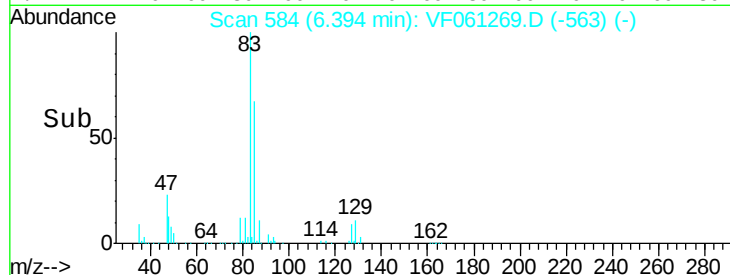
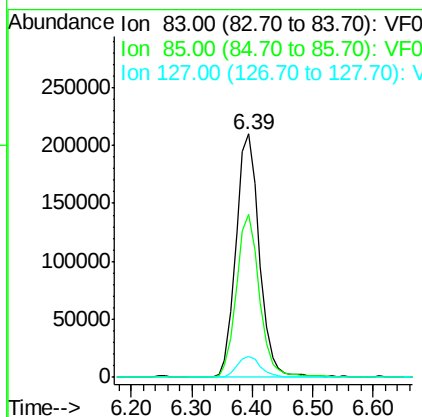
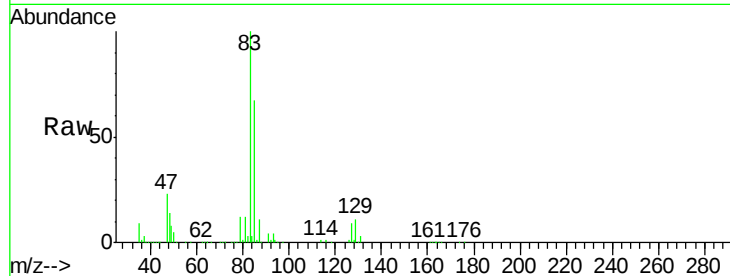
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	562891
Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.1	78.1
127	8.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 153.257 ug/l

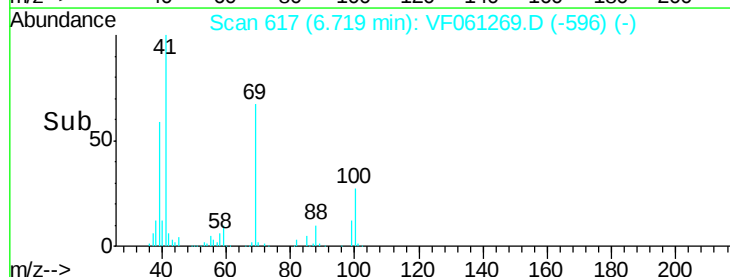
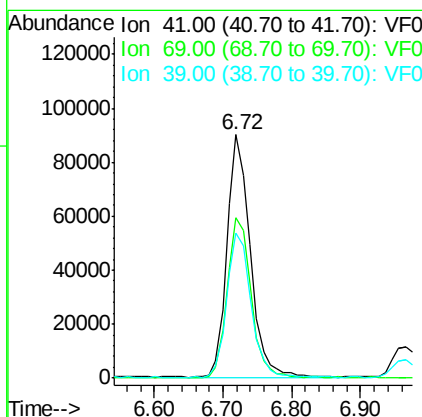
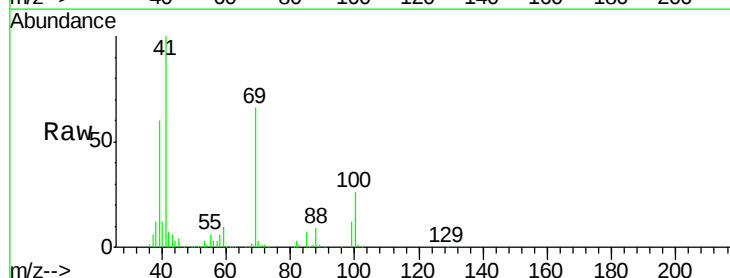
RT: 6.72 min Scan# 617

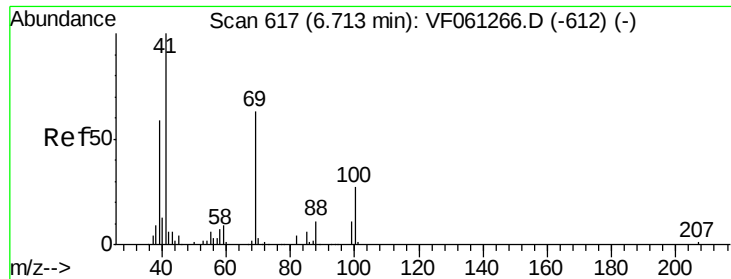
Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	41	Resp:	210738
Ion	Ratio	Lower	Upper
41	100		
69	66.1	49.8	74.8
39	59.6	46.4	69.6





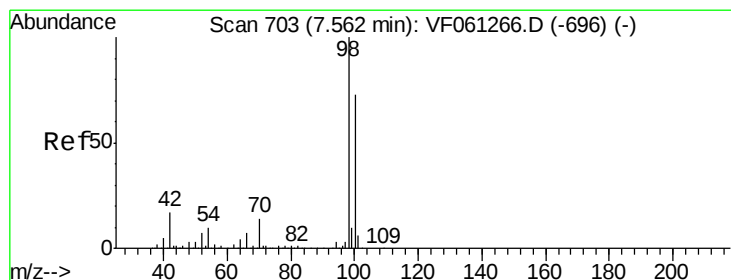
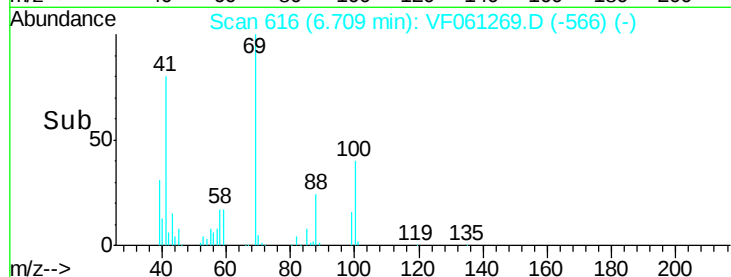
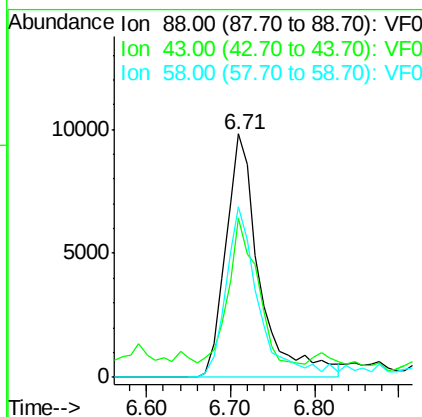
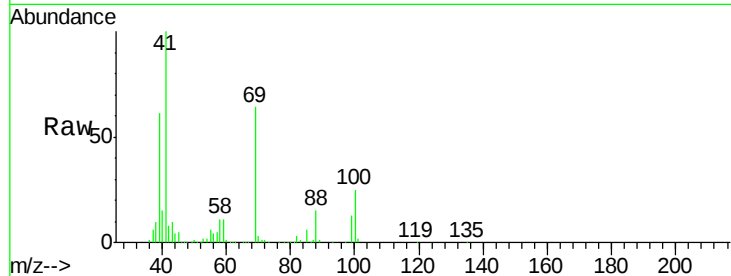
#49
1,4-Dioxane
Concen: 2799.406 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	27442
Ion Ratio	Lower	Upper	
88	100		
43	65.3	55.2	82.8
58	70.3	50.9	76.3

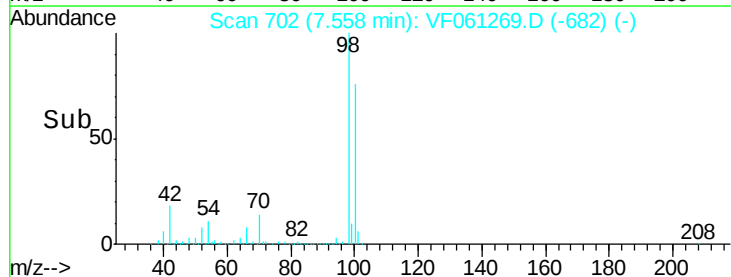
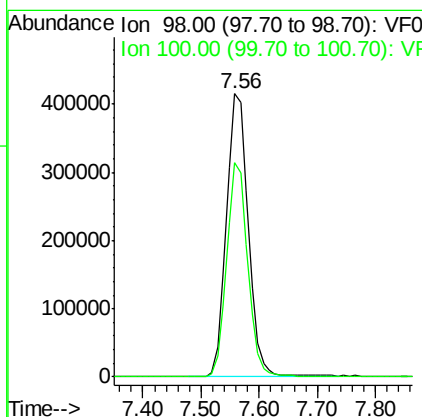
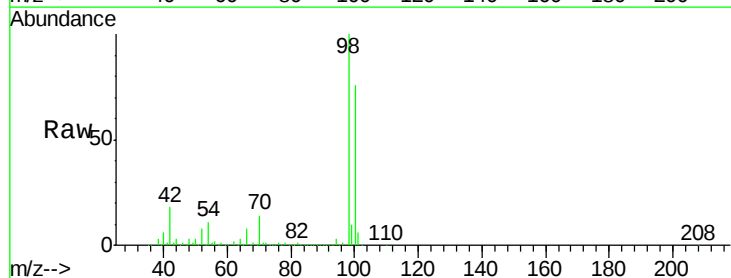
Manual Integrations
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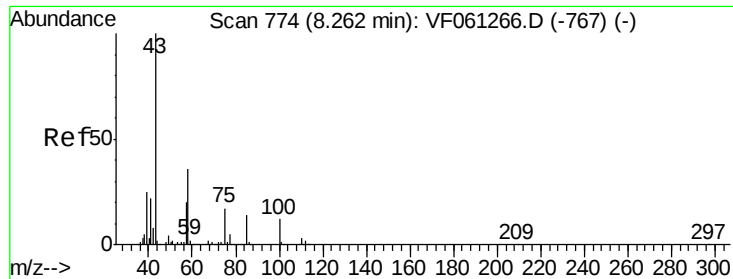
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#50
Toluene-d8
Concen: 141.589 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	98	Resp	1089901
Ion Ratio	Lower	Upper	
98	100		
100	75.8	58.1	87.1





#51

4-Methyl-2-Pentanone

Concen: 741.728 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 999650

Ion Ratio Lower Upper

43 100

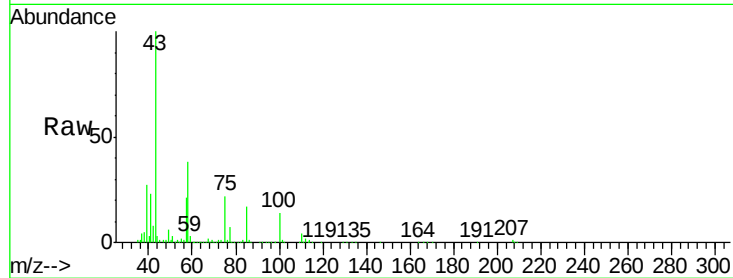
58 38.1 29.1 43.7

Manual Integrations

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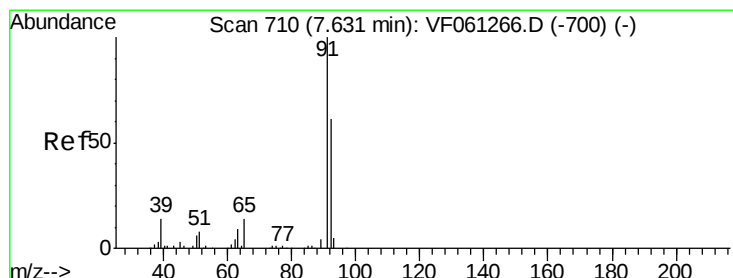
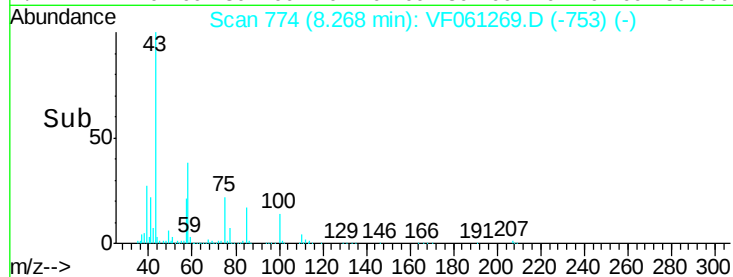
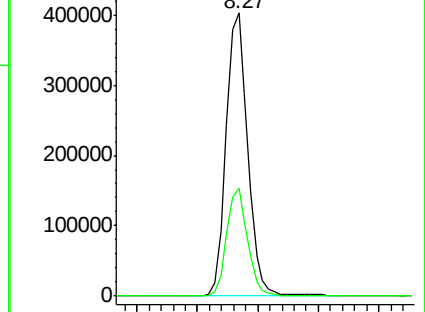
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 135.247 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF061269.D

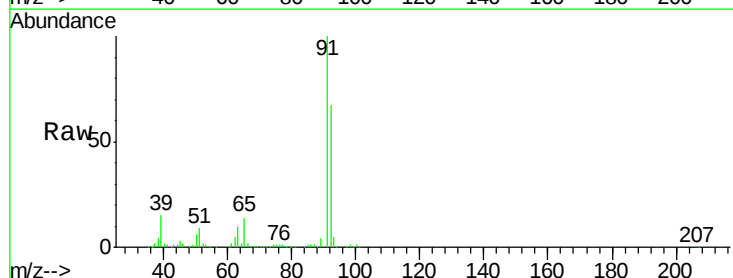
Acq: 3 Jan 2019 17:11

Tgt Ion: 92 Resp: 791283

Ion Ratio Lower Upper

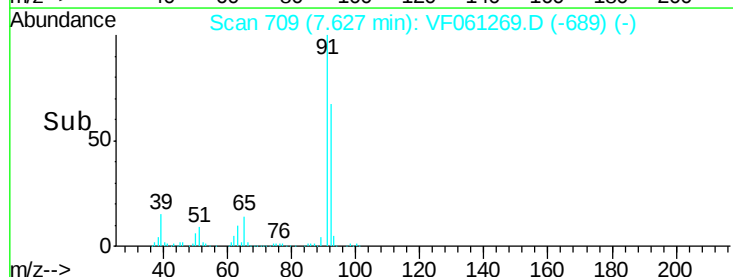
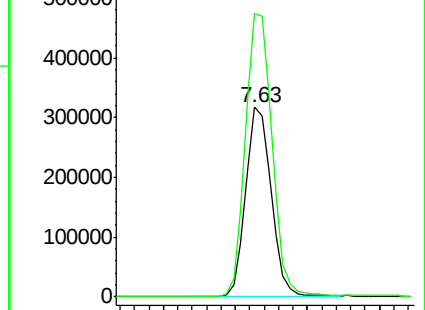
92 100

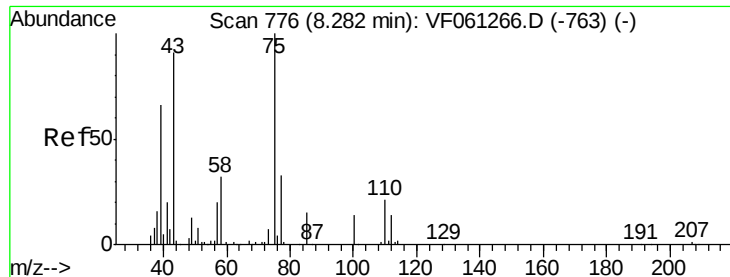
91 149.4 130.5 195.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 138.950 ug/l

RT: 8.29 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 448204

Ion Ratio Lower Upper

75 100

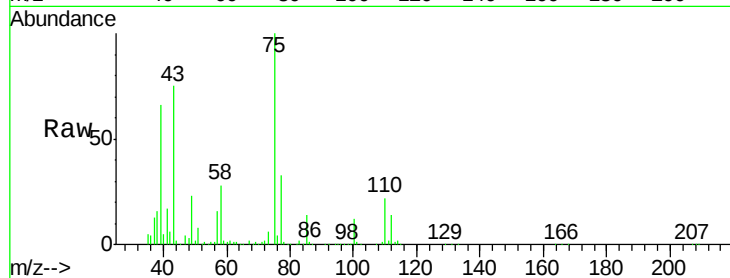
77 33.4 26.8 40.2

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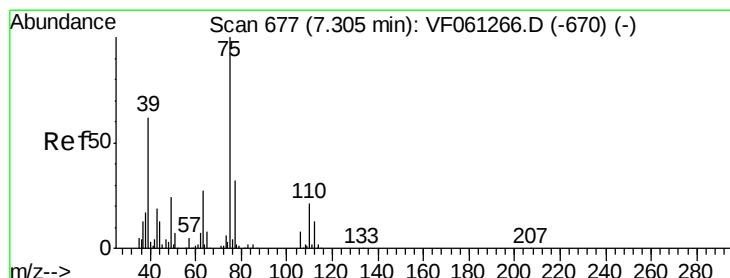
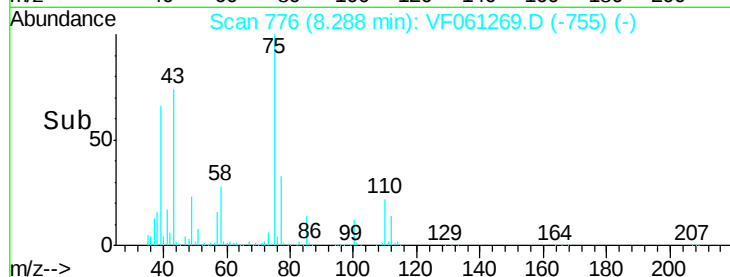
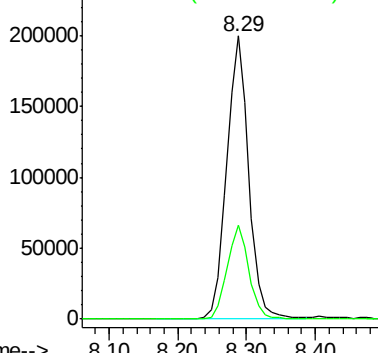
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 140.056 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

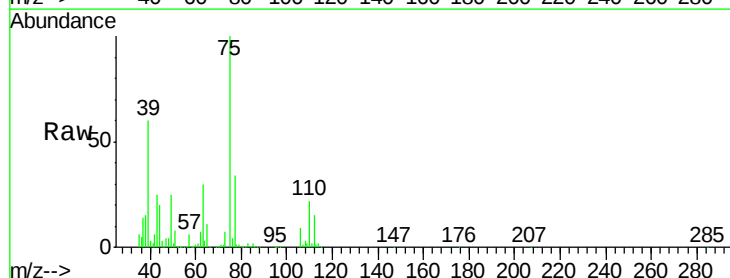
Tgt Ion: 75 Resp: 567964

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.2

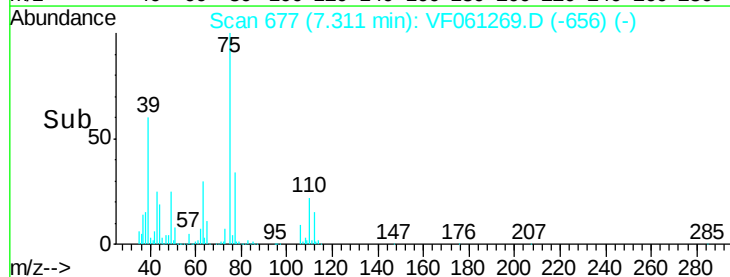
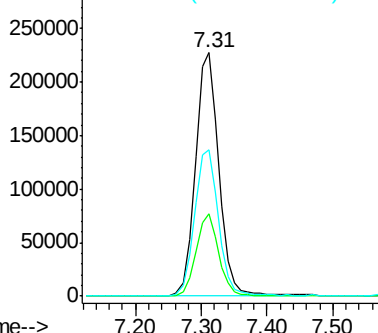
39 60.3 49.5 74.3

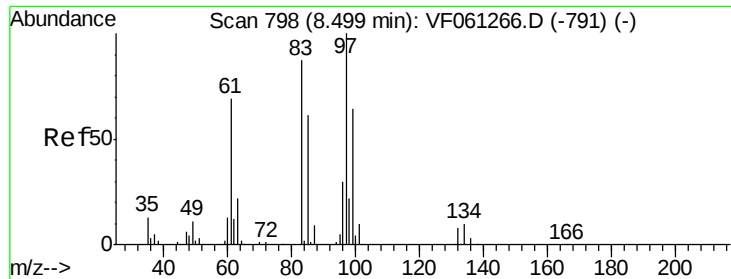


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 146.252 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

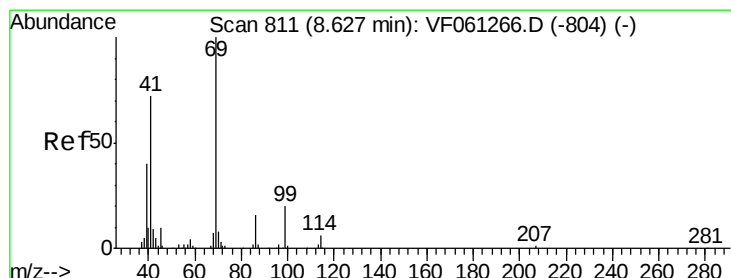
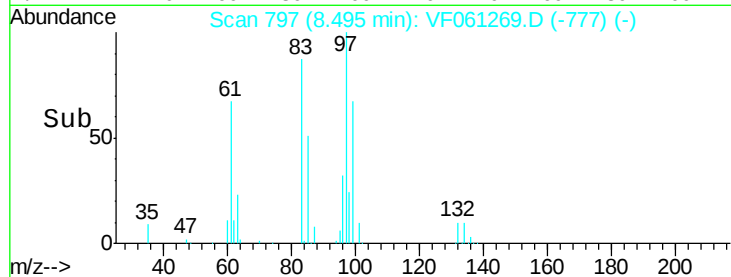
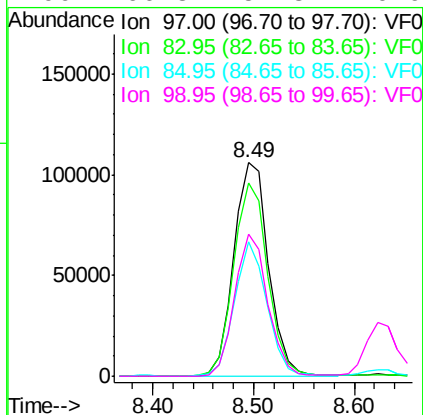
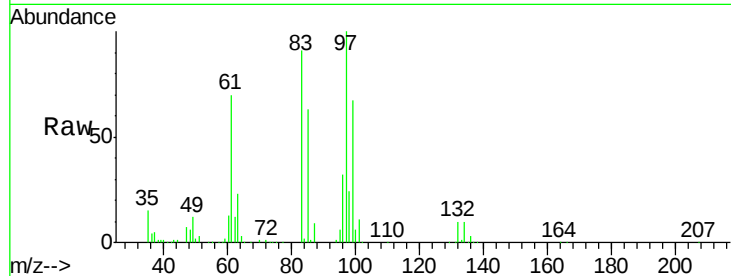
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	254222
Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.7	104.5
85	63.0	49.1	73.7
99	66.8	51.3	76.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 160.120 ug/l

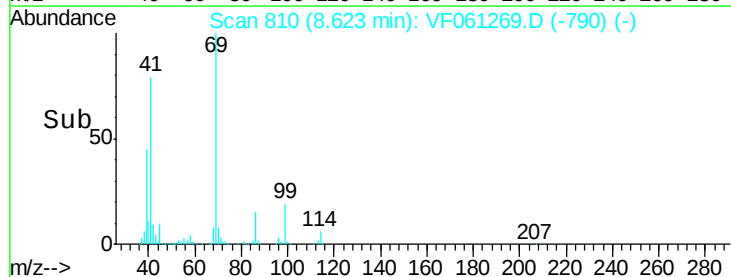
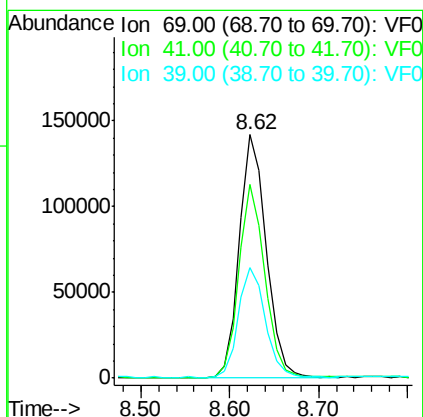
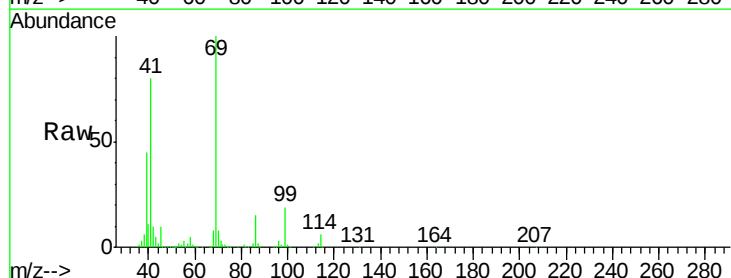
RT: 8.62 min Scan# 810

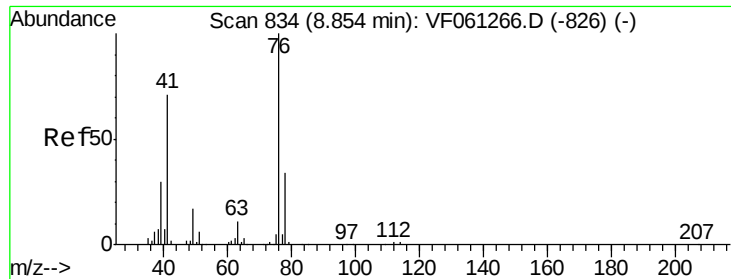
Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	69	Resp:	300581
Ion	Ratio	Lower	Upper
69	100		
41	79.6	58.1	87.1
39	45.5	32.6	49.0





#57

1,3-Dichloropropane

Concen: 153.835 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 484784

Ion Ratio Lower Upper

76 100

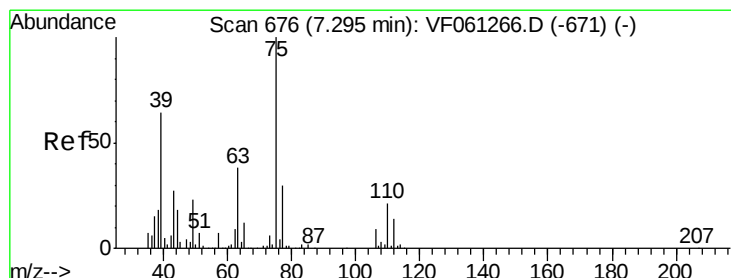
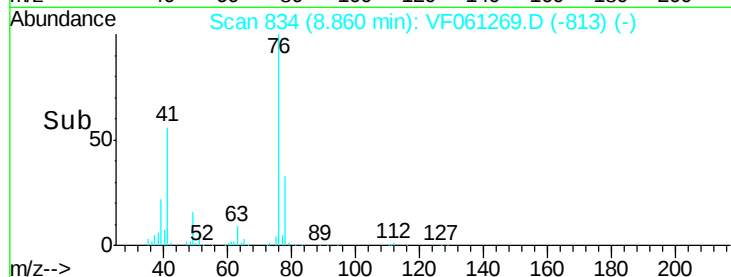
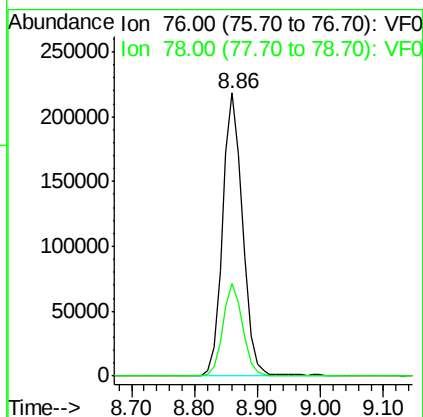
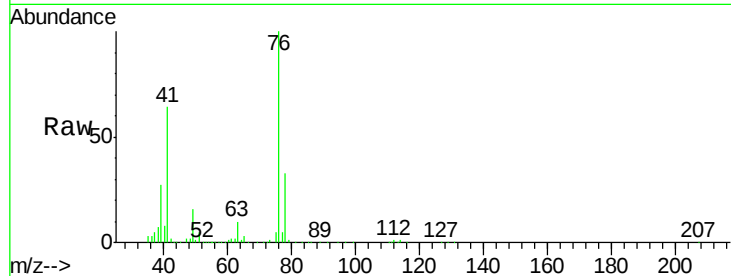
78 32.6 26.8 40.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 551.369 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061269.D

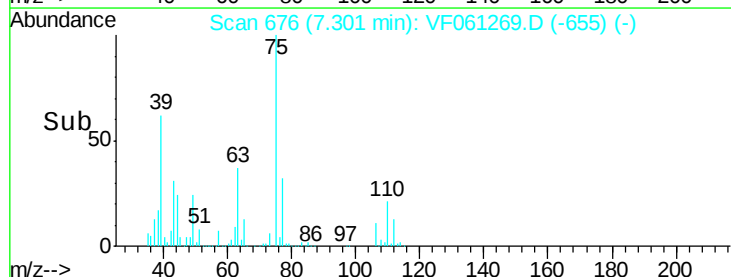
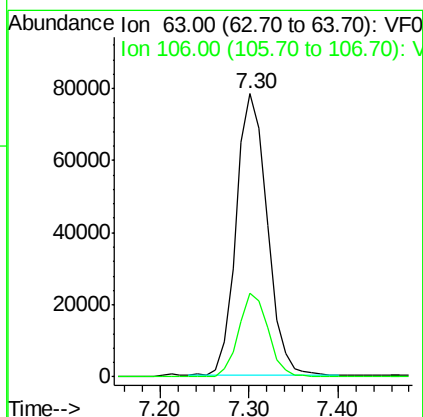
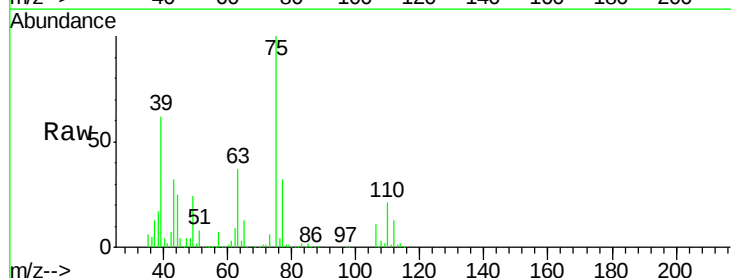
Acq: 3 Jan 2019 17:11

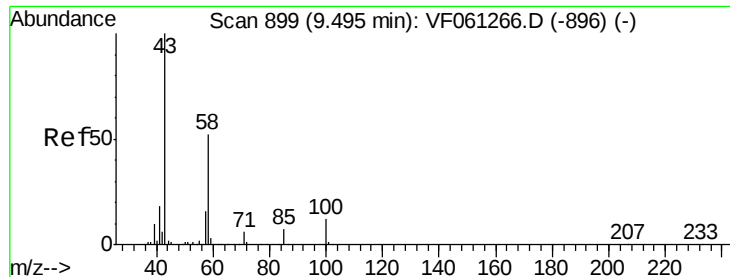
Tgt Ion: 63 Resp: 188682

Ion Ratio Lower Upper

63 100

106 29.7 19.2 28.8#





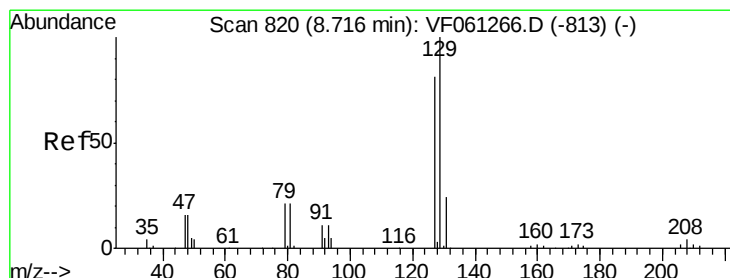
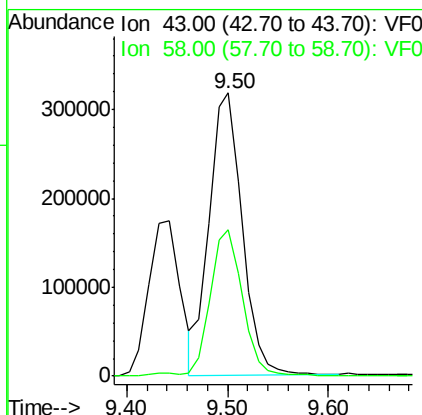
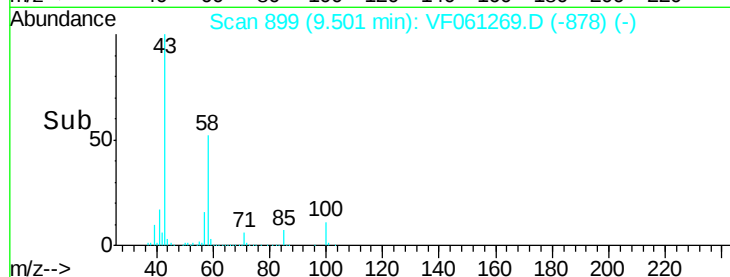
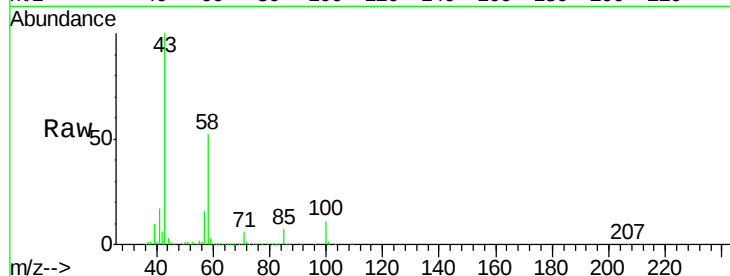
#59
2-Hexanone
Concen: 745.100 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 721900
Ion Ratio Lower Upper
43 100
58 51.7 24.4 73.4

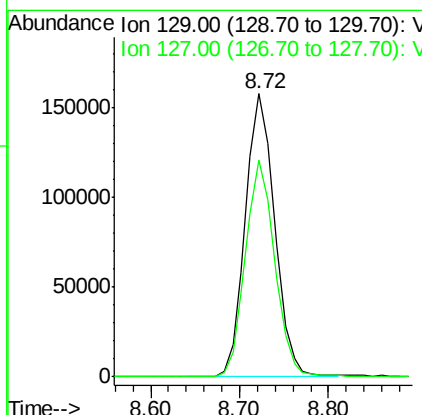
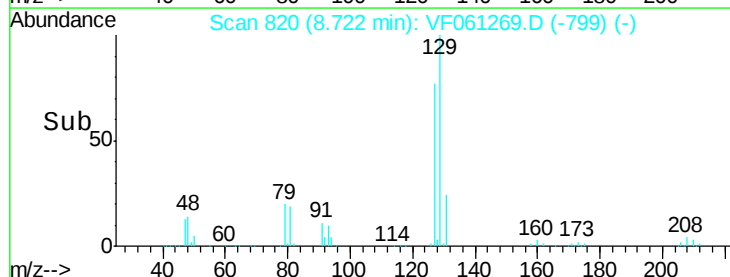
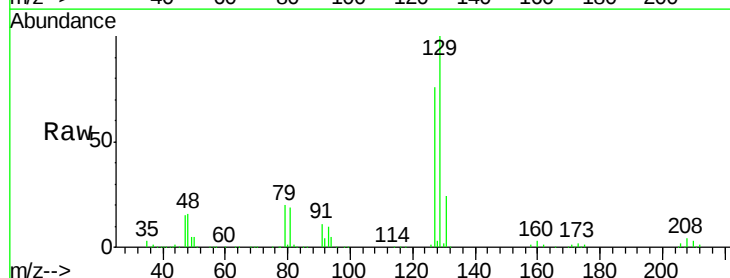
Manual Integrations
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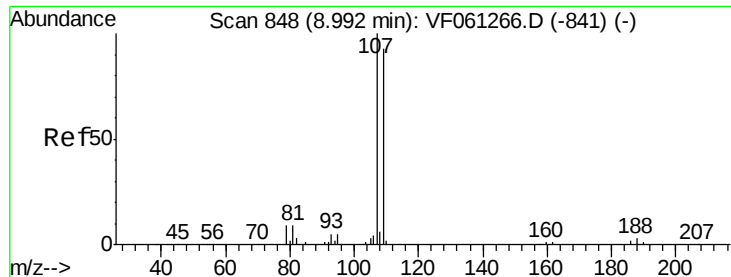
apatel
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#60
Dibromochloromethane
Concen: 147.104 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:129 Resp: 360941
Ion Ratio Lower Upper
129 100
127 76.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 146.669 ug/l

RT: 9.00 min Scan# 848

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 271160

Ion Ratio Lower Upper

107 100

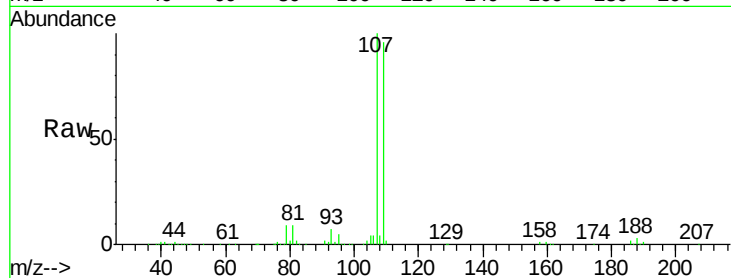
109 95.7 74.2 111.4

Manual Integrations

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

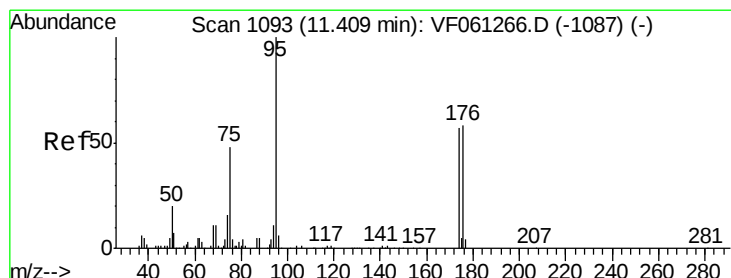
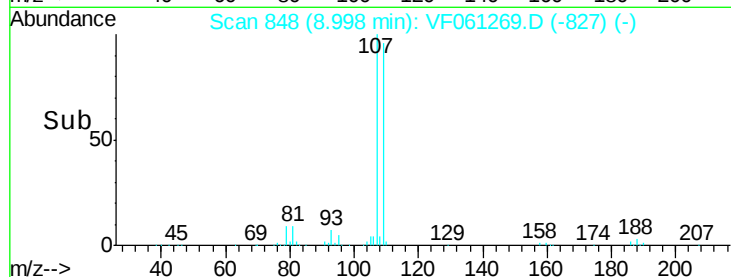
9.00

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 137.035 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

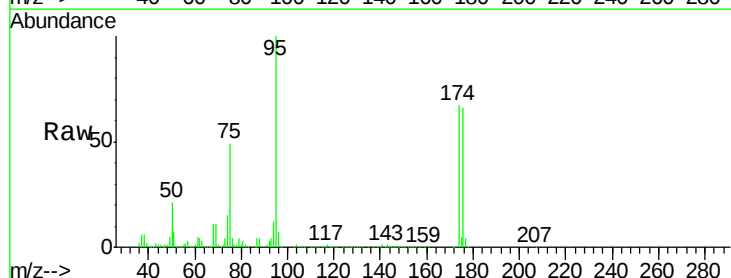
Tgt Ion: 95 Resp: 483643

Ion Ratio Lower Upper

95 100

174 66.8 0.0 113.2

176 65.7 0.0 115.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

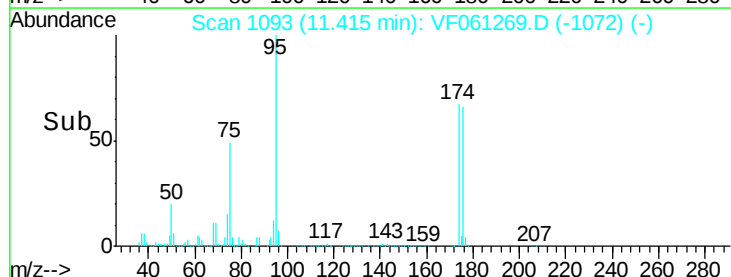
300000

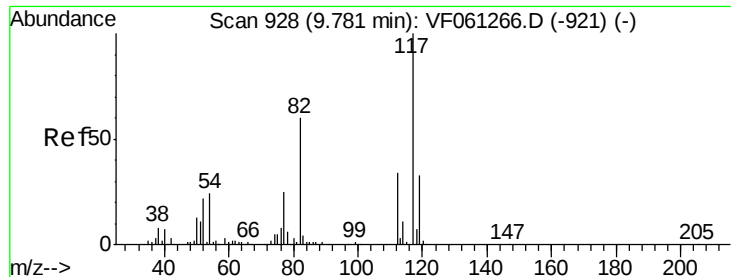
200000

100000

0

Time-->





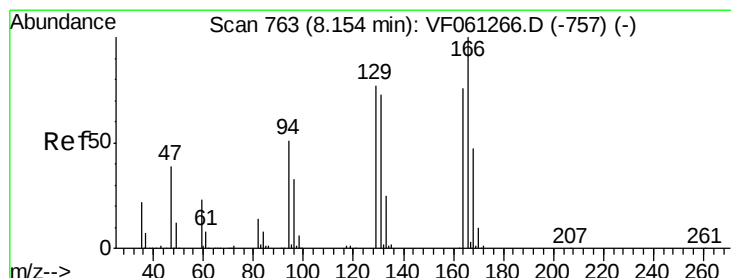
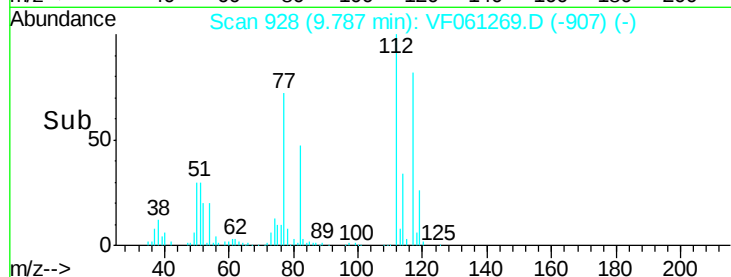
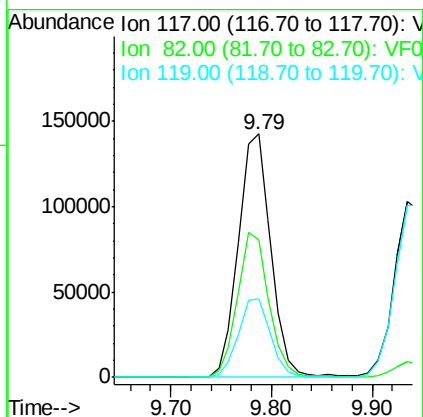
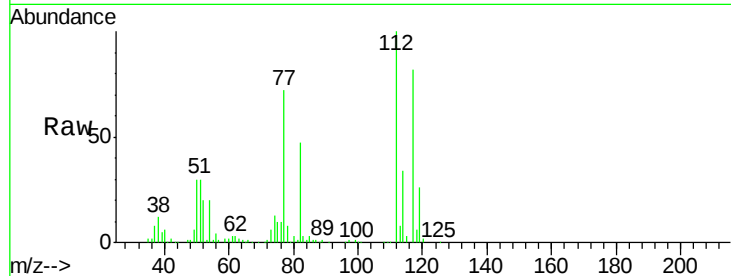
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	319697		
82	56.6		47.8	71.6
119	32.1		26.1	39.1

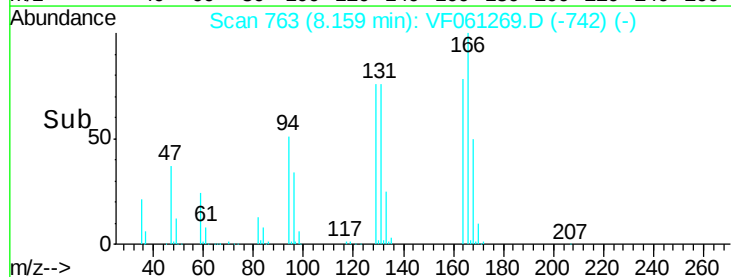
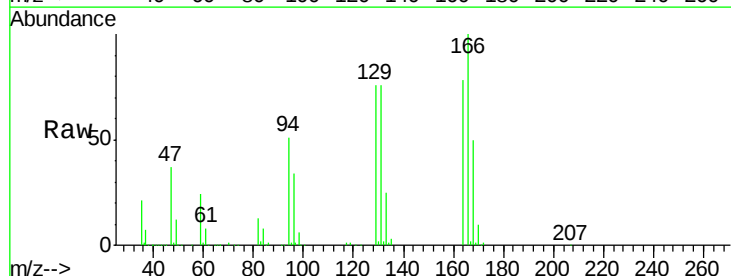
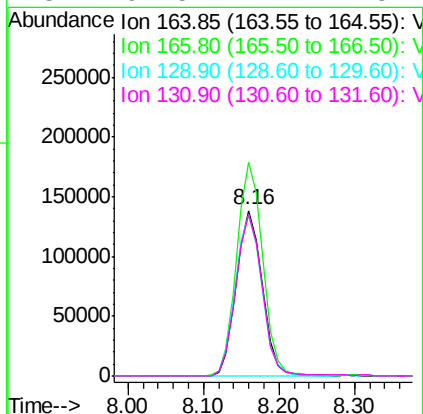
Manual Integrations
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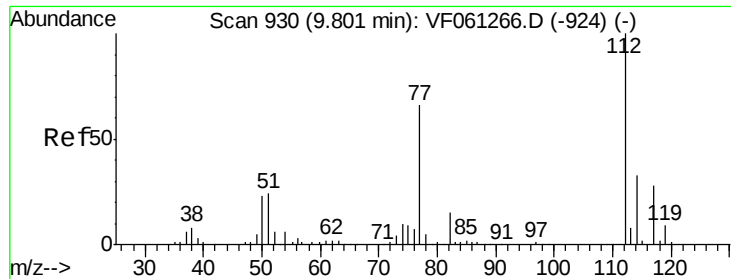
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#64
Tetrachloroethene
Concen: 132.715 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	329629		
166	128.9		105.1	157.7
129	97.4		81.0	121.6
131	97.5		77.1	115.7





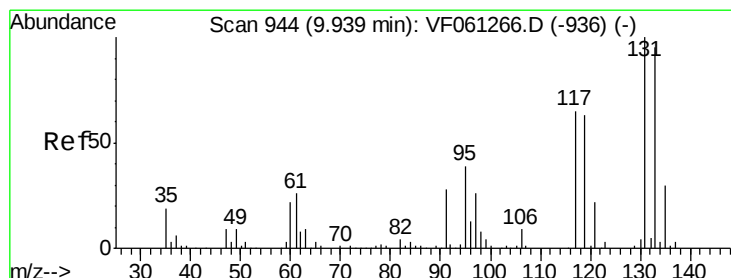
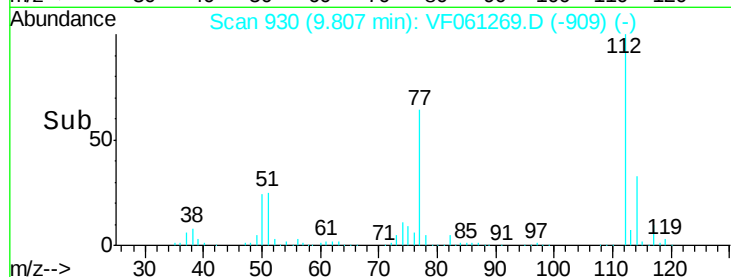
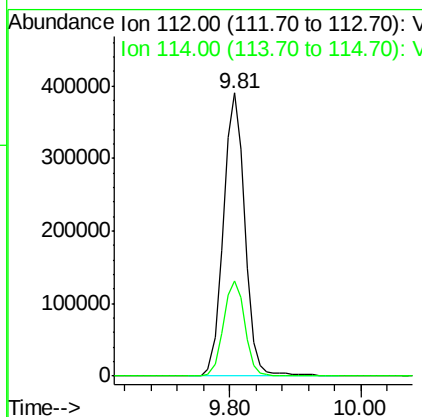
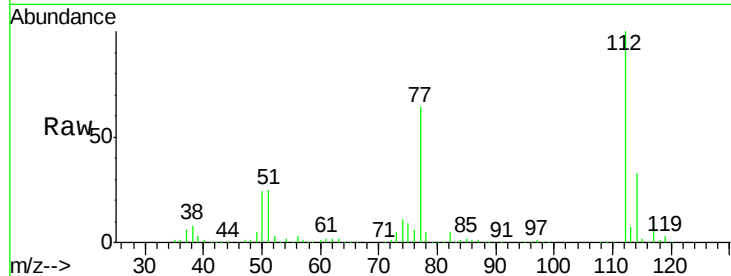
#65
Chlorobenzene
Concen: 133.814 ug/l
RT: 9.81 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 893920
Ion Ratio Lower Upper
112 100
114 33.4 26.4 39.6

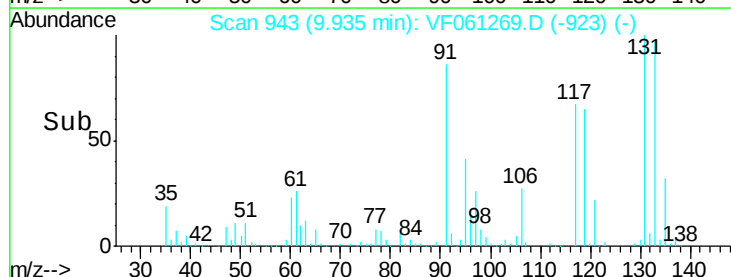
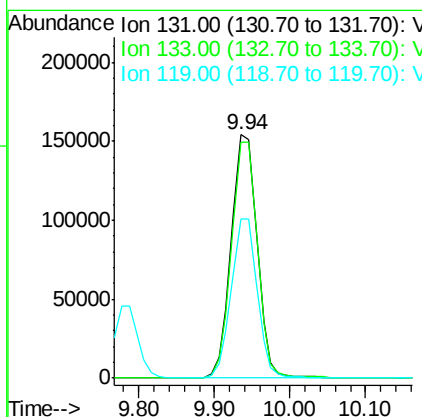
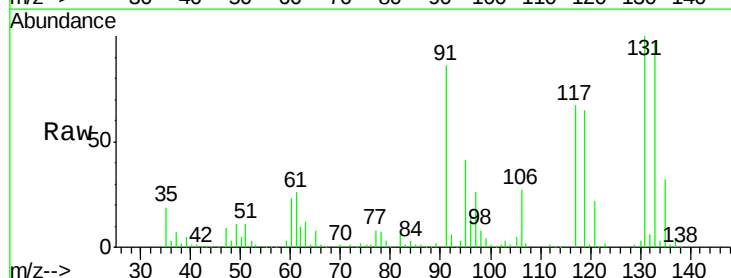
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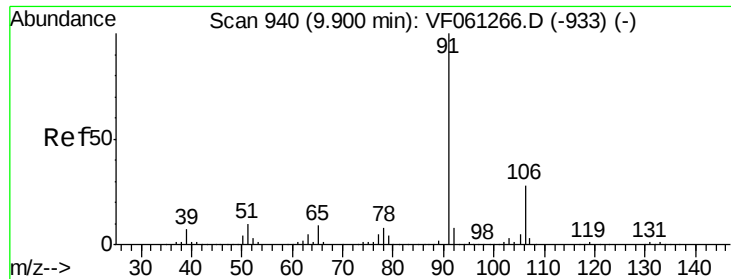
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#66
1,1,1,2-Tetrachloroethane
Concen: 134.113 ug/l
RT: 9.94 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:131 Resp: 366262
Ion Ratio Lower Upper
131 100
133 96.7 47.5 142.5
119 65.5 32.2 96.6





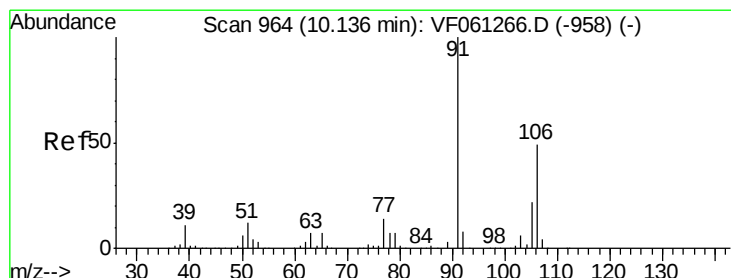
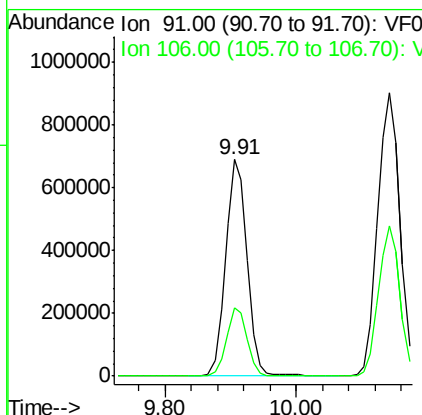
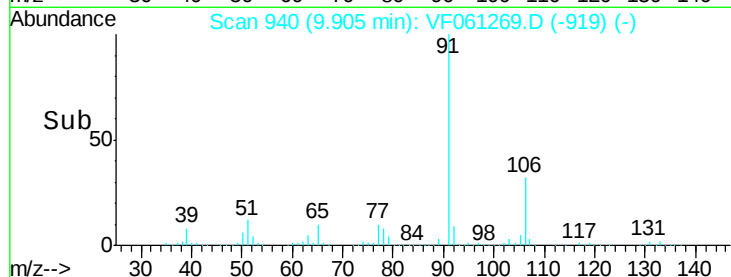
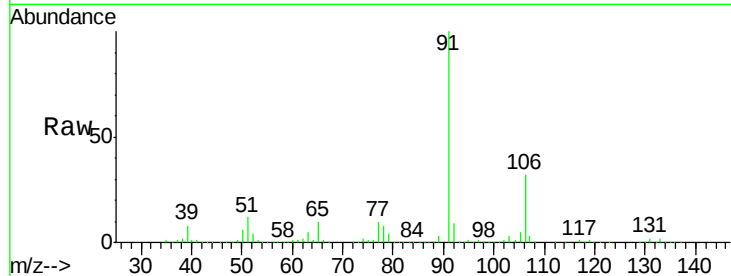
#67
Ethyl Benzene
Concen: 128.746 ug/l
RT: 9.91 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1575558
Ion Ratio Lower Upper
91 100
106 31.6 22.8 34.2

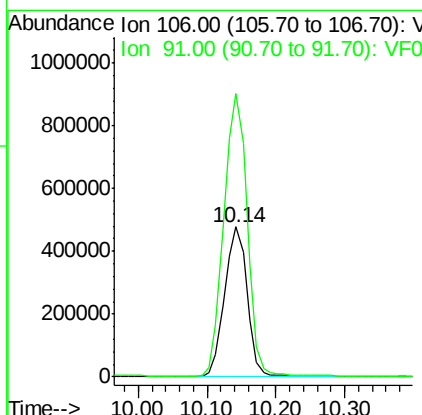
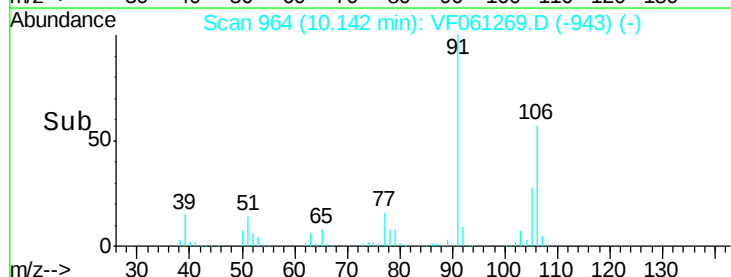
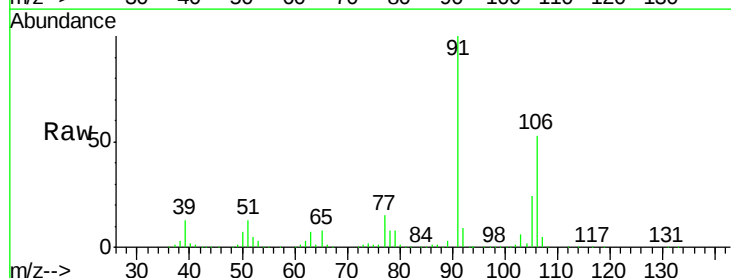
Manual Integrations
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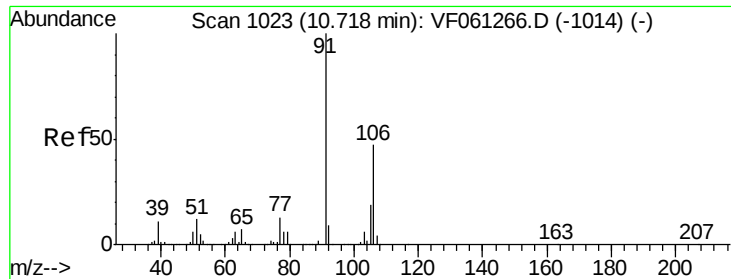
apatel
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#68
m/p-Xylenes
Concen: 253.073 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion: 106 Resp: 1082661
Ion Ratio Lower Upper
106 100
91 188.7 164.8 247.2





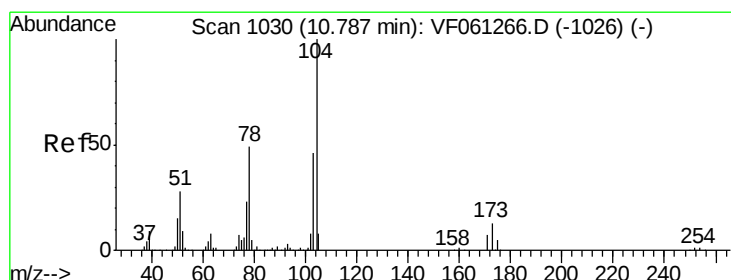
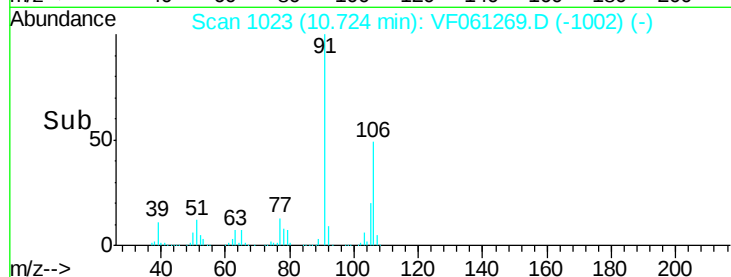
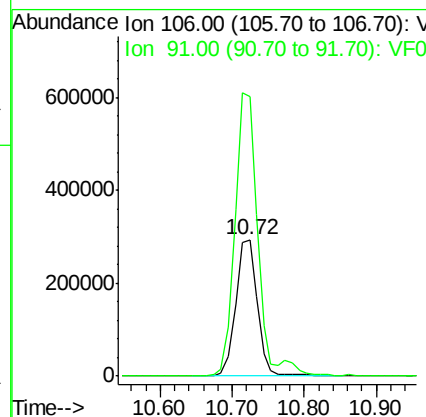
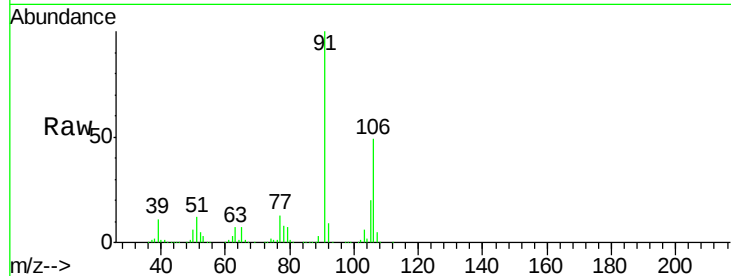
#69
o-Xylene
Concen: 127.805 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 611865
Ion Ratio Lower Upper
106 100
91 204.7 106.2 318.5

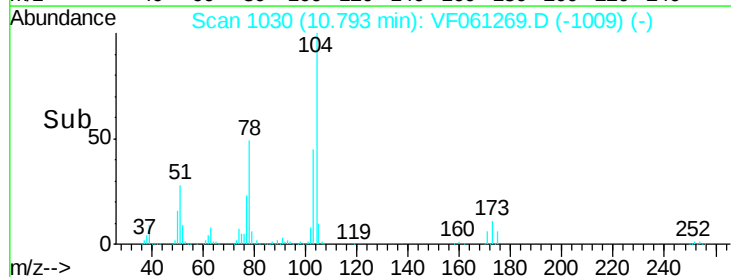
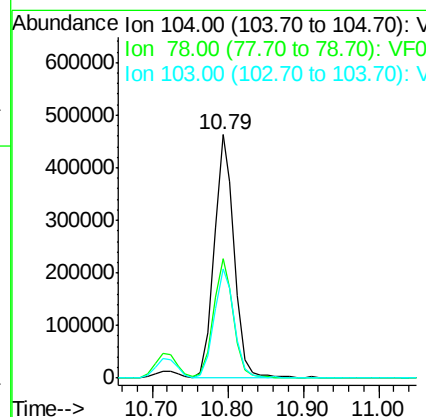
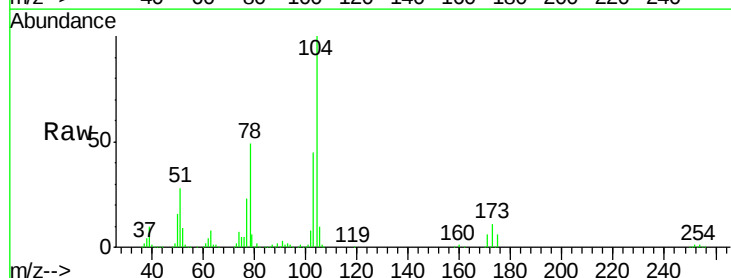
Manual Integrations
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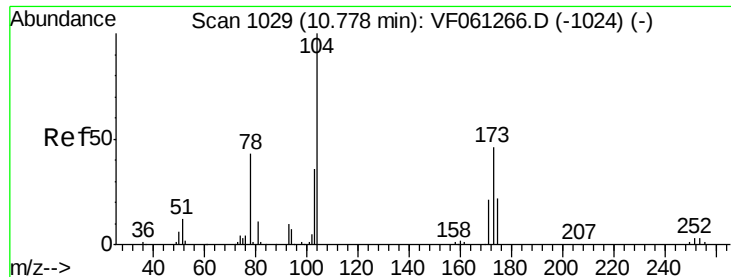
apatel
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#70
Styrene
Concen: 128.630 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:104 Resp: 851226
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 44.8 37.3 55.9





#71

Bromoform

Concen: 147.874 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

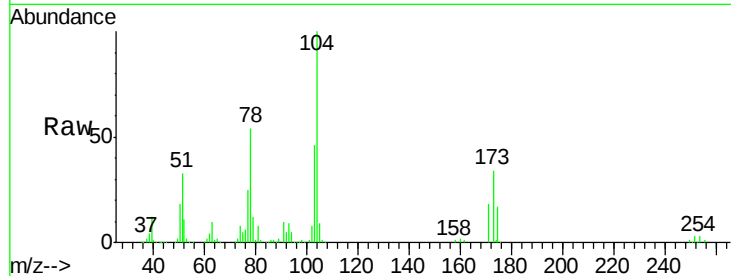
ClientSampleId :

VSTDIC150

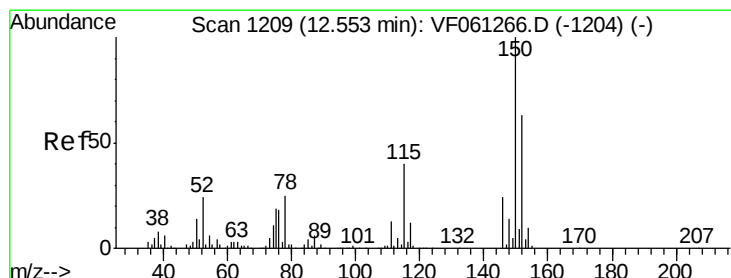
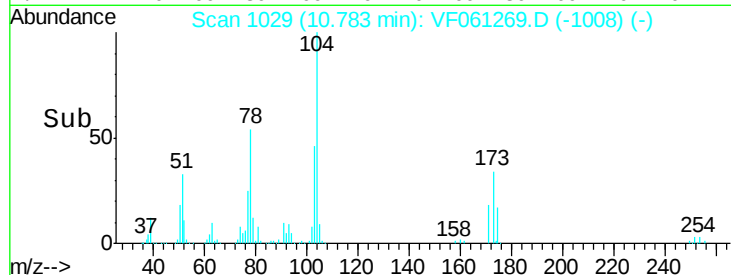
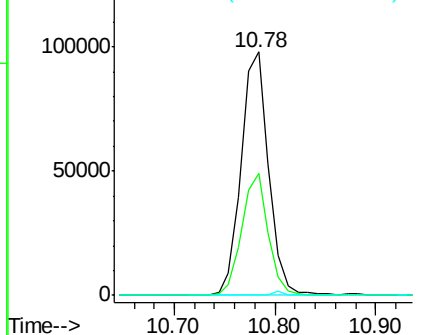
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	73.6
254	0.0	5.3	7.9

Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

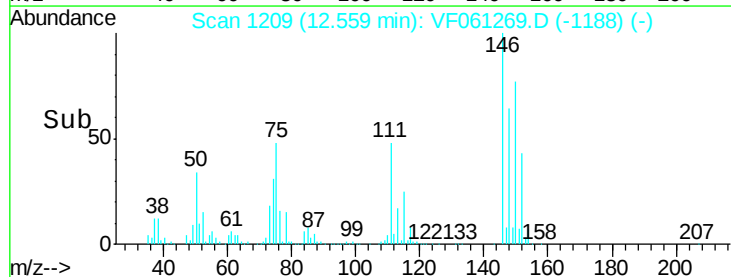
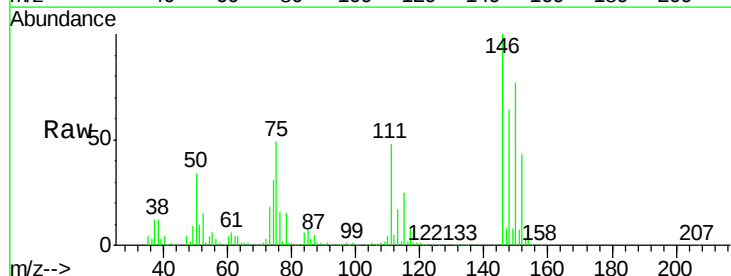
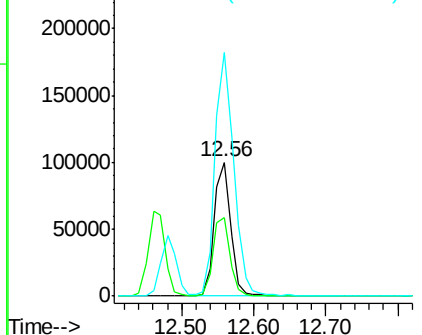
Delta R.T. 0.01 min

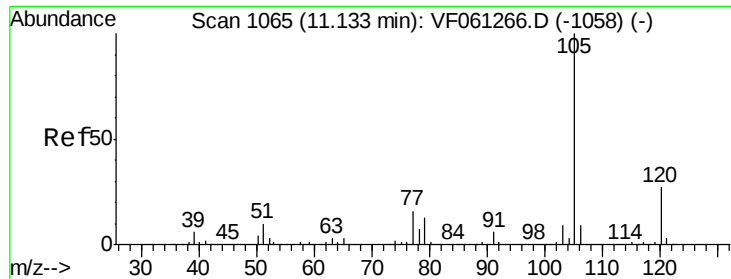
Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	31.6	94.7
150	181.5	0.0	320.2

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 125.832 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1701227

Ion Ratio Lower Upper

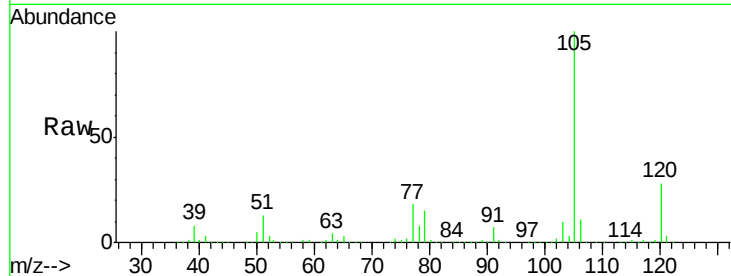
105 100

120 28.3 13.4 40.1

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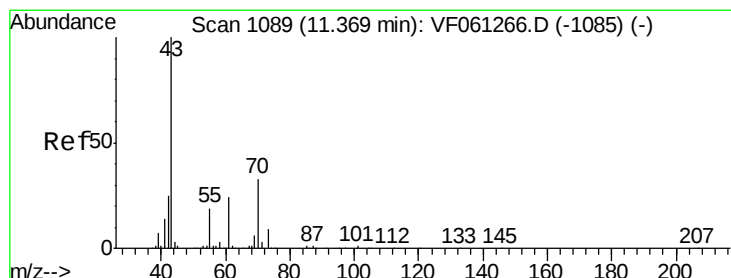
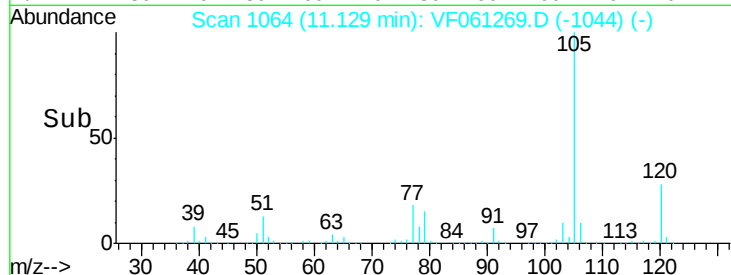
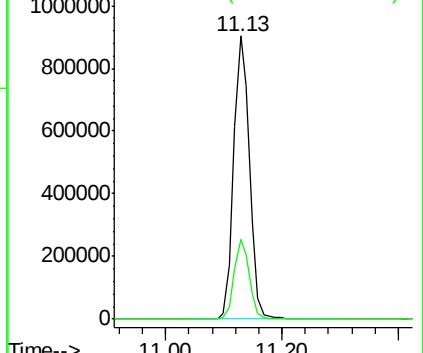
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 153.448 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion: 43 Resp: 463393

Ion Ratio Lower Upper

43 100

70 33.7 26.7 40.1

55 19.6 15.4 23.0

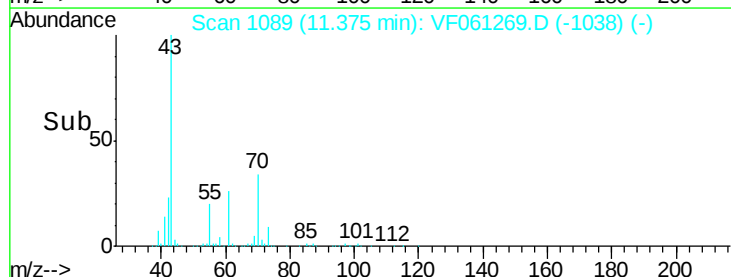
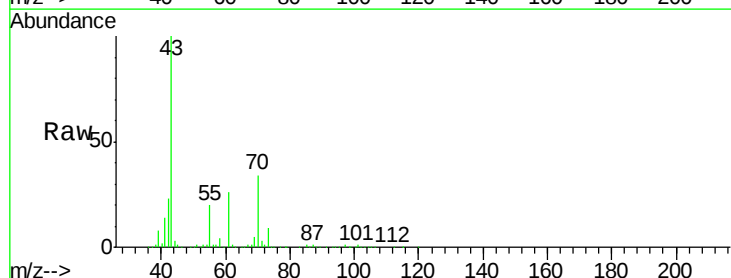
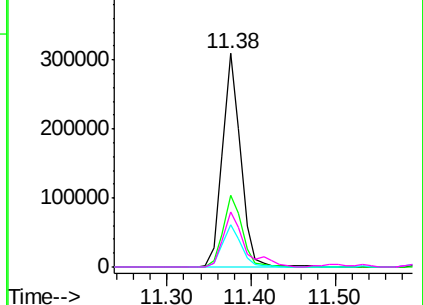
61 25.8 19.4 29.0

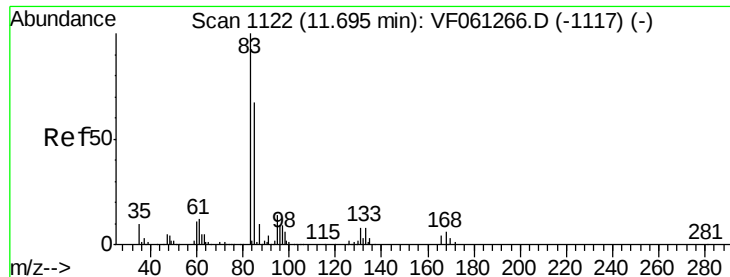
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 142.012 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 315098

Ion Ratio Lower Upper

83 100

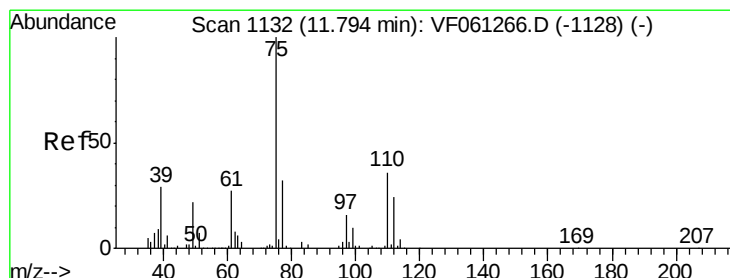
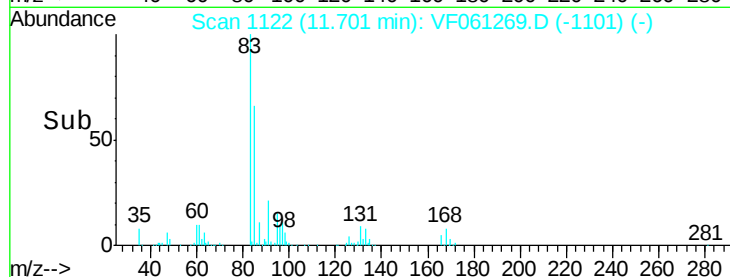
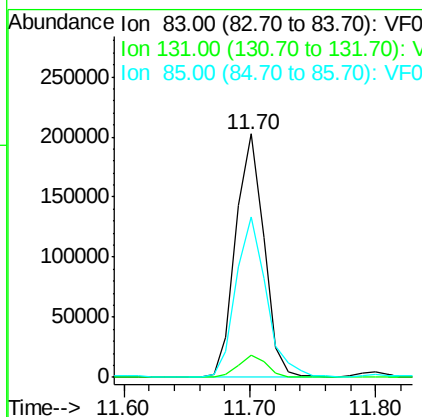
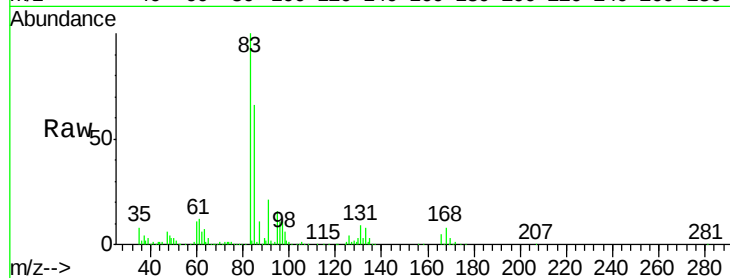
131 9.3 4.0 12.0

85 65.8 33.6 100.8

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#76

1,2,3-Trichloropropane

Concen: 147.731 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF061269.D

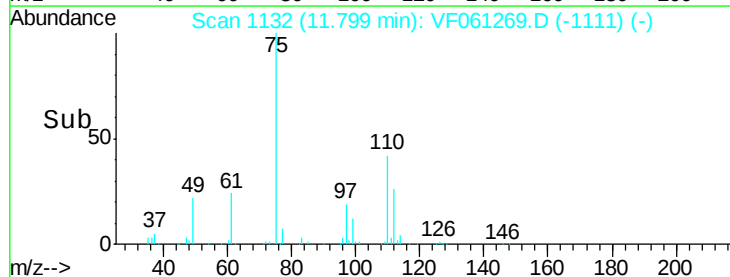
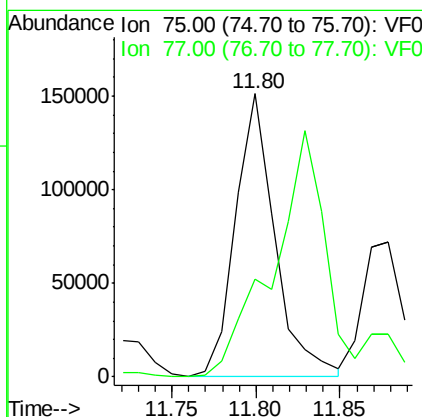
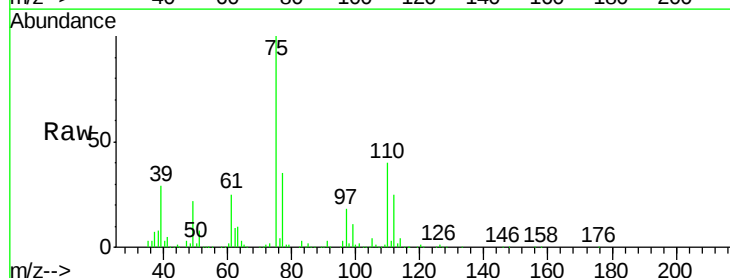
Acq: 3 Jan 2019 17:11

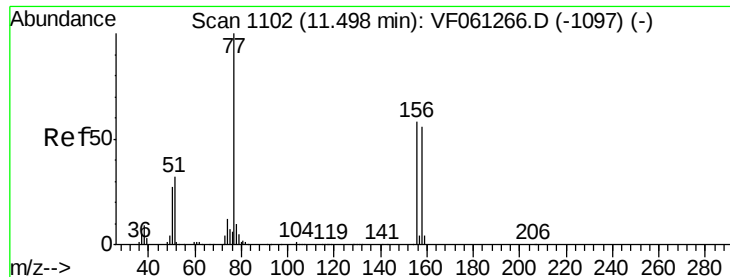
Tgt Ion: 75 Resp: 244130

Ion Ratio Lower Upper

75 100

77 34.5 15.9 47.7





#77

Bromobenzene

Concen: 134.245 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

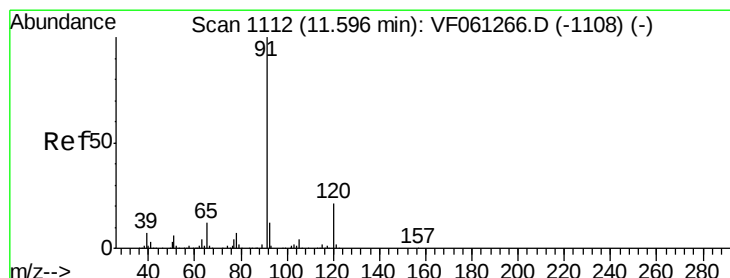
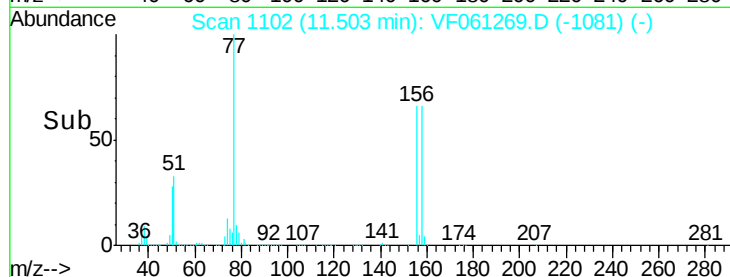
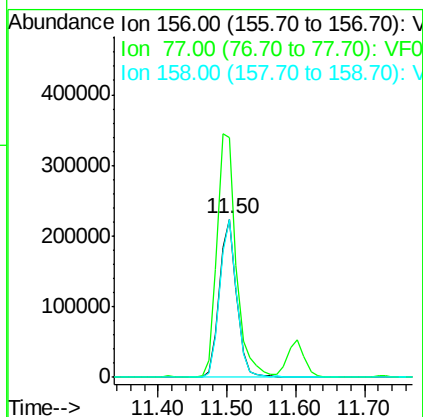
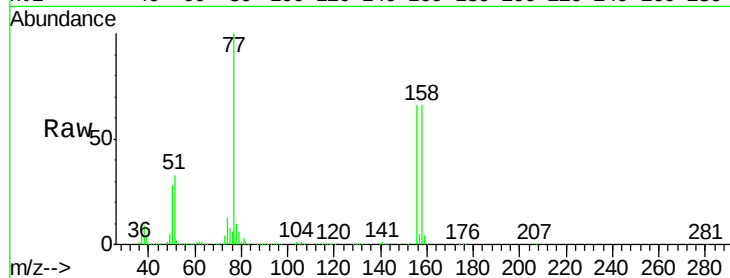
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	388371
Ion Ratio	Lower	Upper	
156	100		
77	152.1	85.8	257.3
158	99.9	47.6	142.8

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#78

n-propylbenzene

Concen: 123.416 ug/l

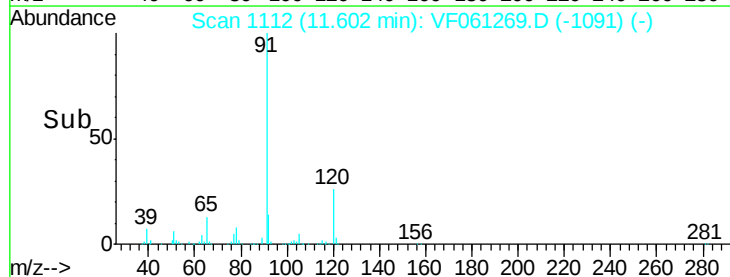
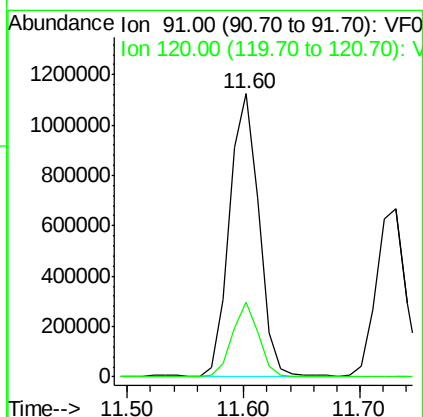
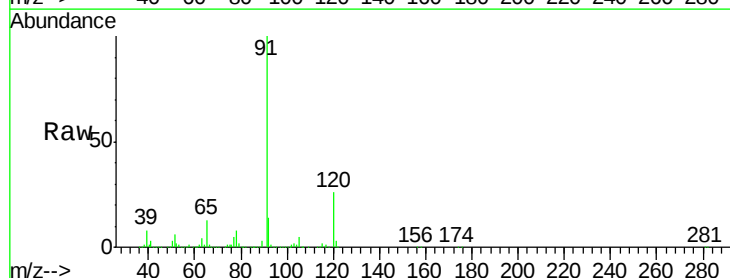
RT: 11.60 min Scan# 1112

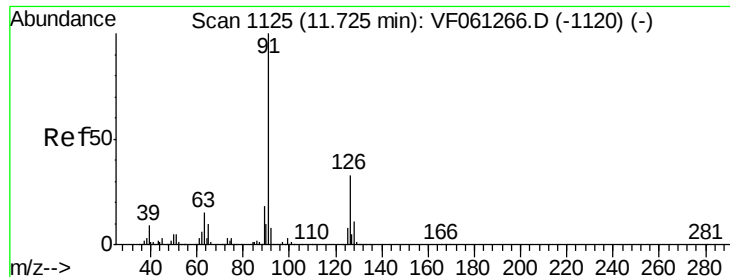
Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	91	Resp:	1960772
Ion Ratio	Lower	Upper	
91	100		
120	26.3	10.6	31.8





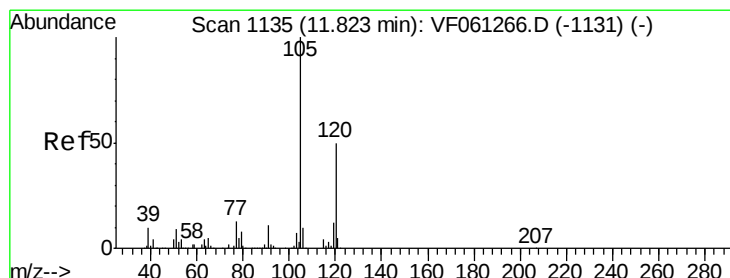
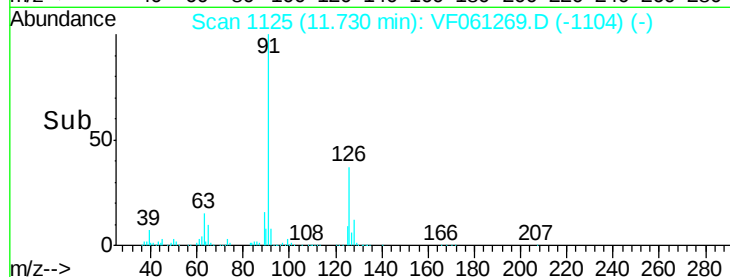
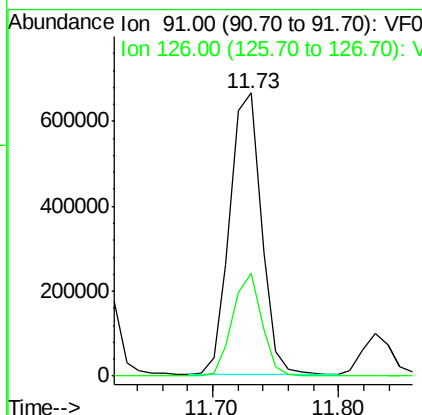
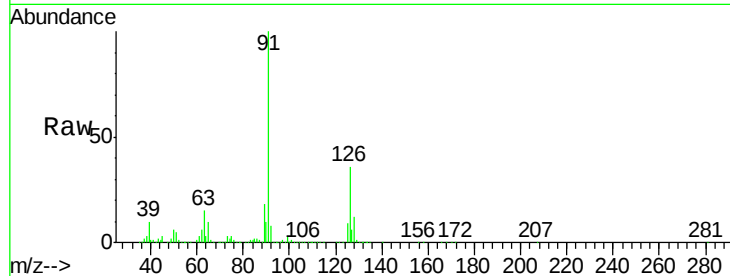
#79
 2-Chlorotoluene
 Concen: 125.230 ug/l
 RT: 11.73 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1155407
 Ion Ratio Lower Upper
 91 100
 126 36.5 16.3 48.8

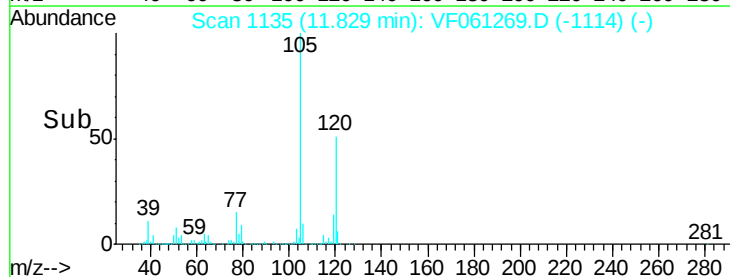
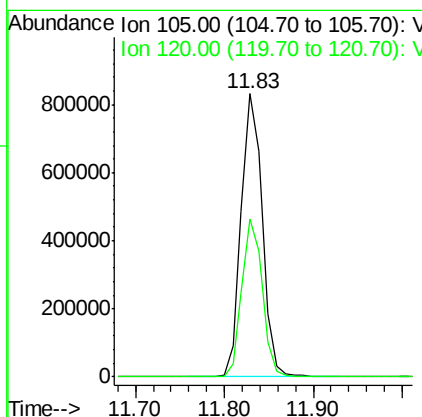
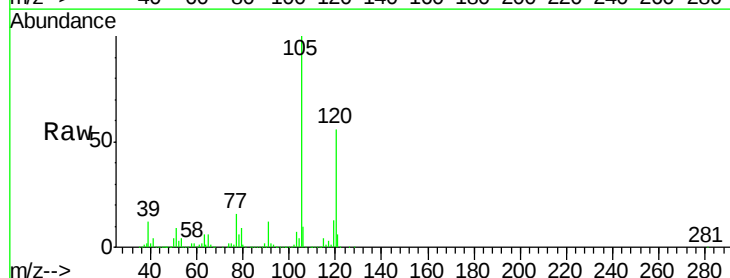
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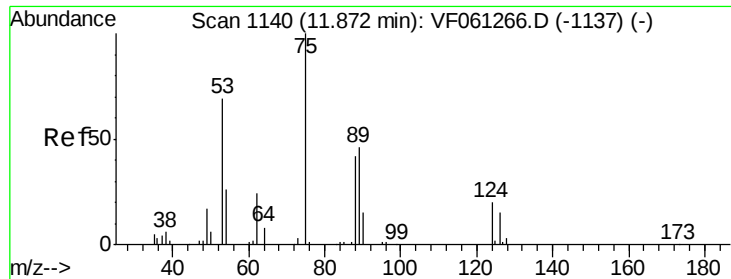
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#80
 1,3,5-Trimethylbenzene
 Concen: 124.274 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion: 105 Resp: 1373328
 Ion Ratio Lower Upper
 105 100
 120 55.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 178.252 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

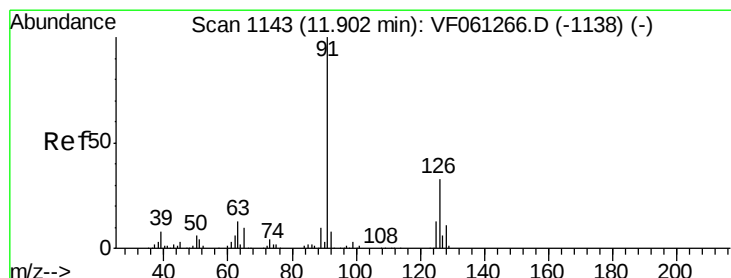
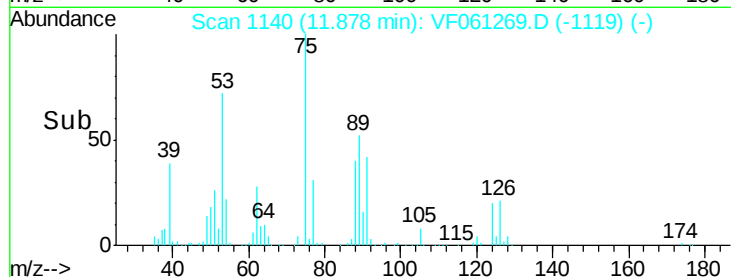
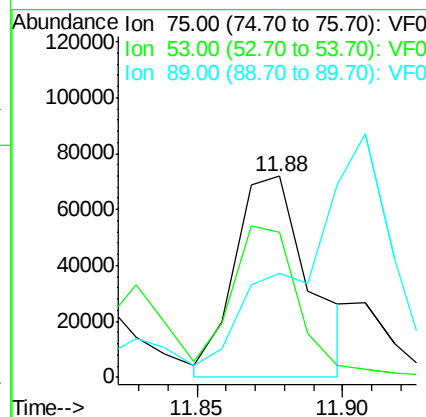
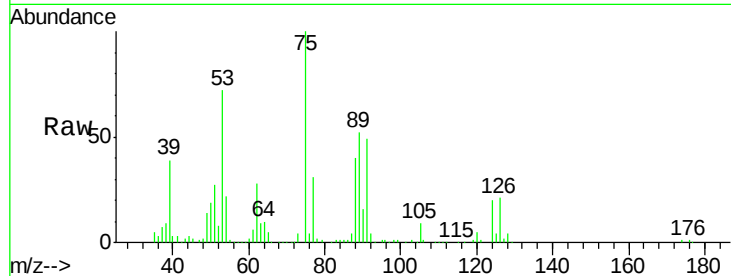
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	128611
Ion	Ratio	Lower	Upper
75	100		
53	72.0	61.7	92.5
89	52.0	40.3	60.5

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#82

4-Chlorotoluene

Concen: 128.118 ug/l

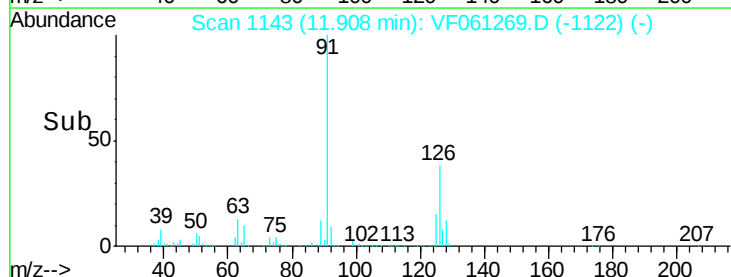
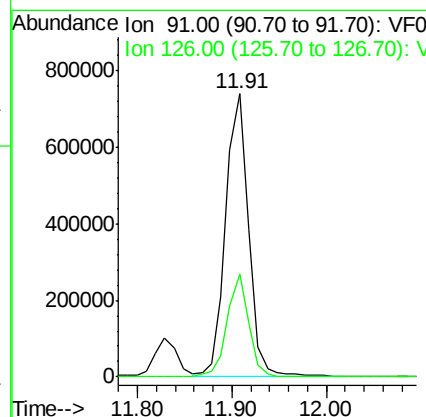
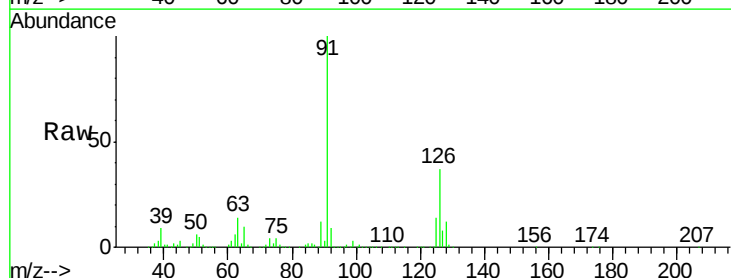
RT: 11.91 min Scan# 1143

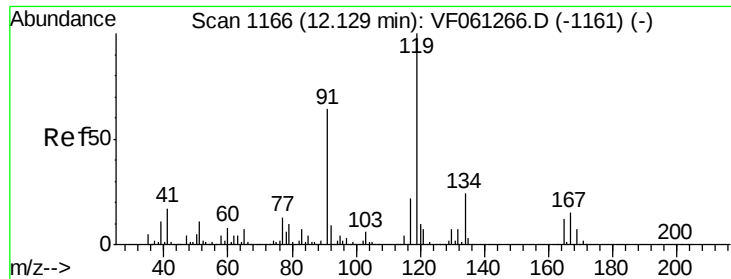
Delta R.T. 0.01 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Tgt Ion:	91	Resp:	1228397
Ion	Ratio	Lower	Upper
91	100		
126	36.5	16.3	48.8





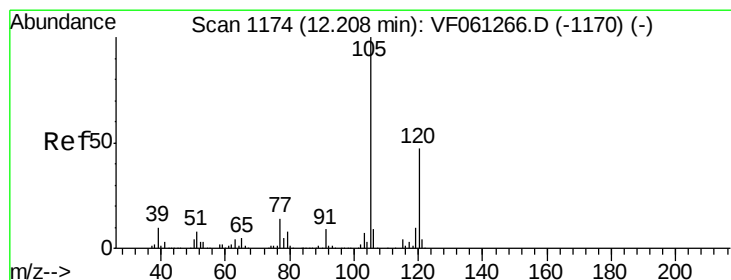
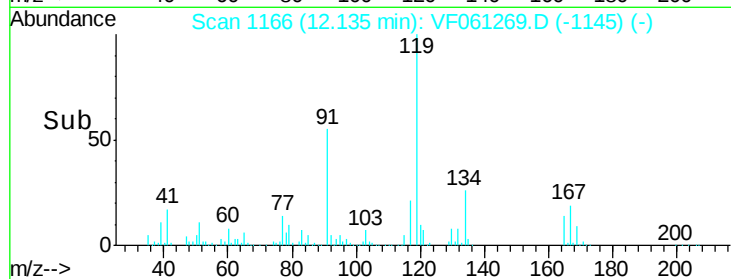
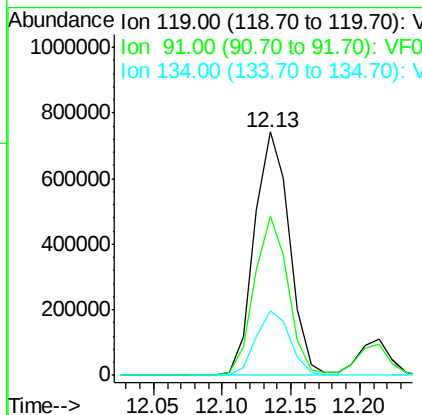
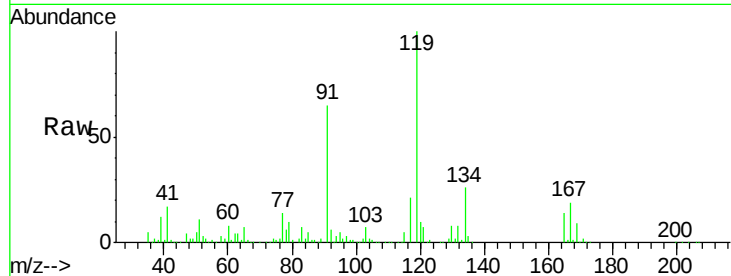
#83
 tert-Butylbenzene
 Concen: 116.047 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.0	96.0
134	26.3	12.1	36.3

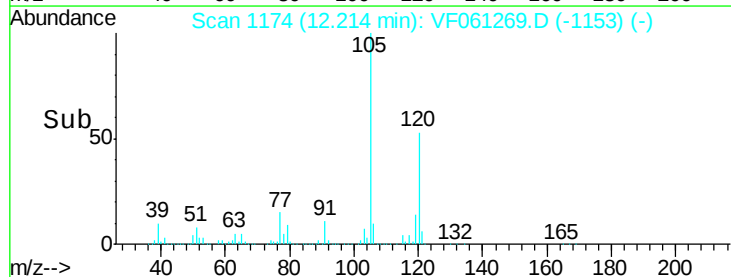
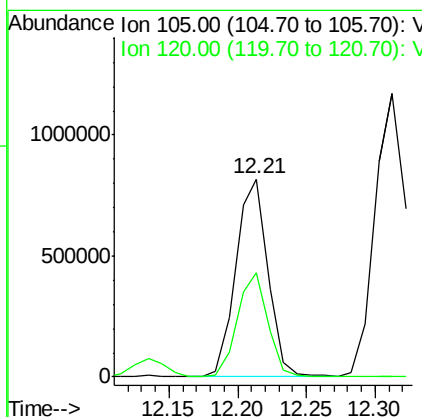
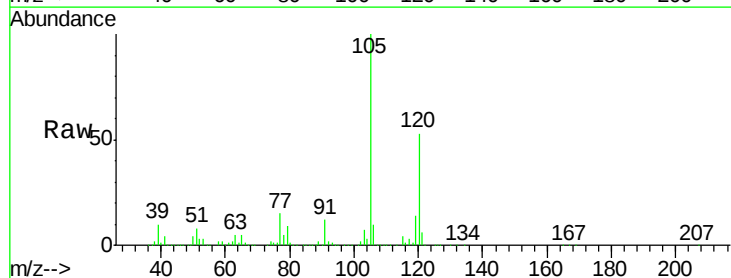
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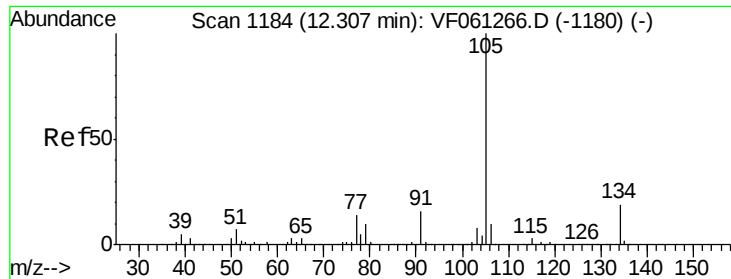
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#84
 1,2,4-Trimethylbenzene
 Concen: 120.352 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.6	23.3	69.9





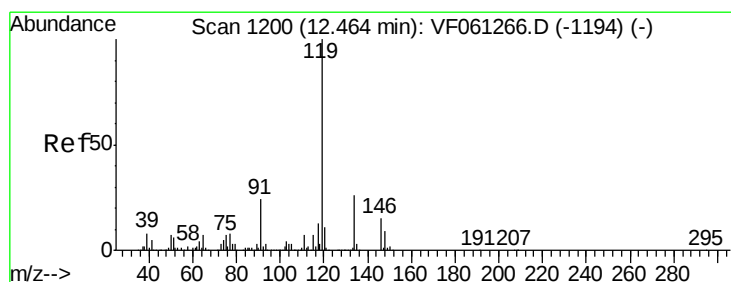
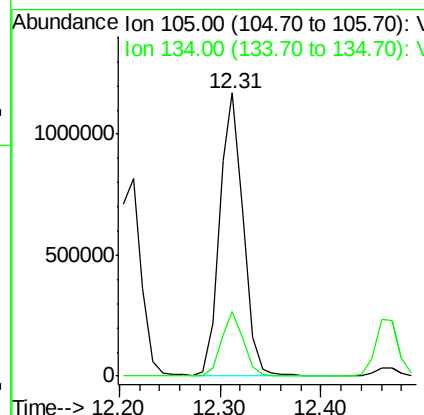
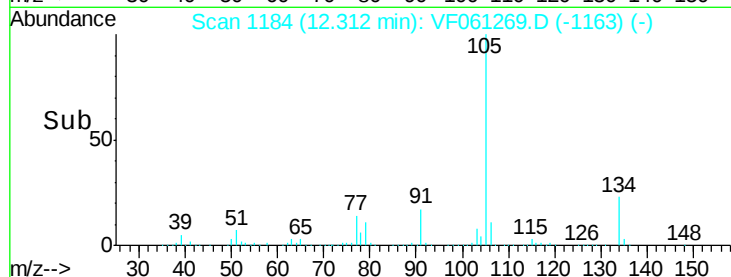
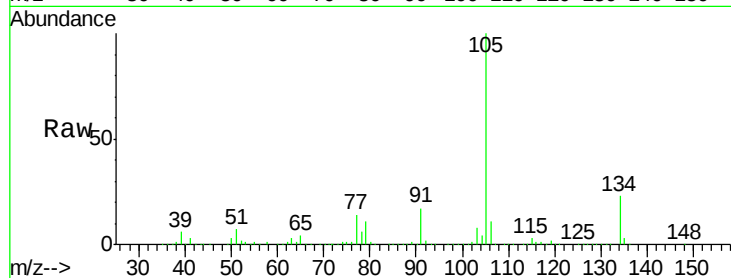
#85
 sec-Butylbenzene
 Concen: 126.321 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 1887688
 Ion Ratio Lower Upper
 105 100
 134 22.8 9.4 28.2

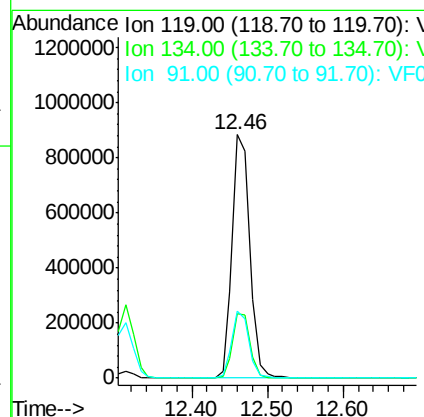
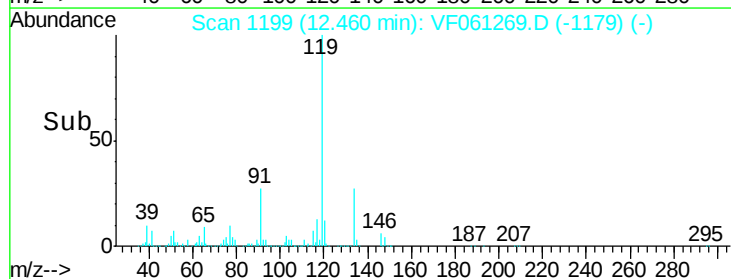
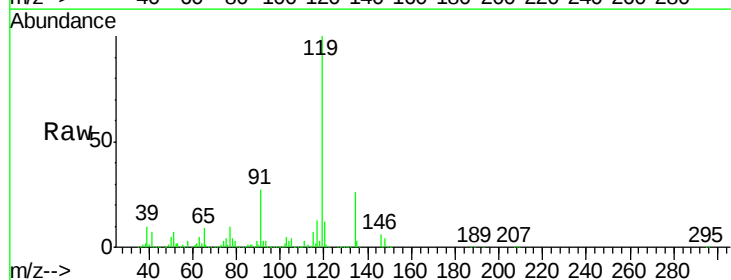
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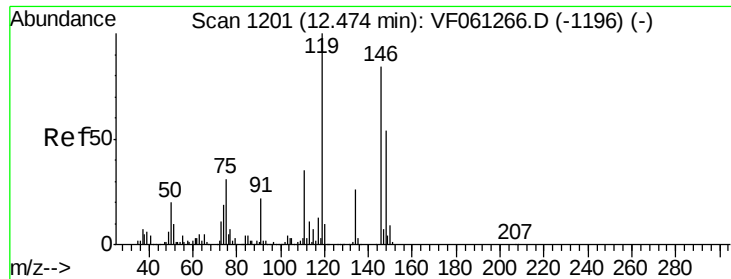
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#86
 p-Isopropyltoluene
 Concen: 114.897 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion:119 Resp: 1427797
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.6
 91 27.3 11.9 35.7





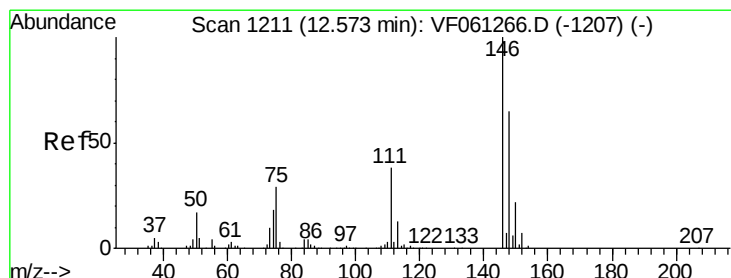
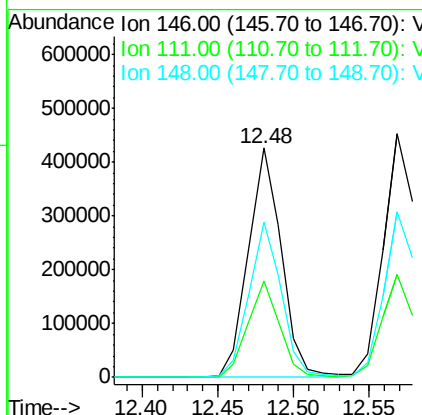
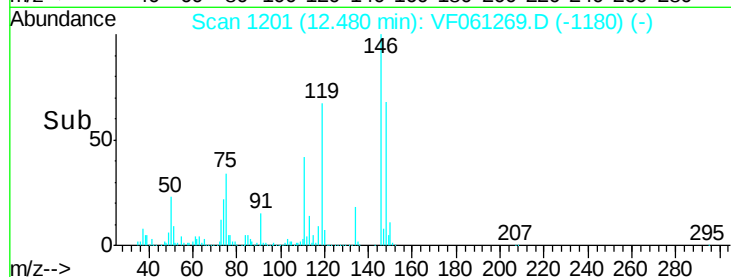
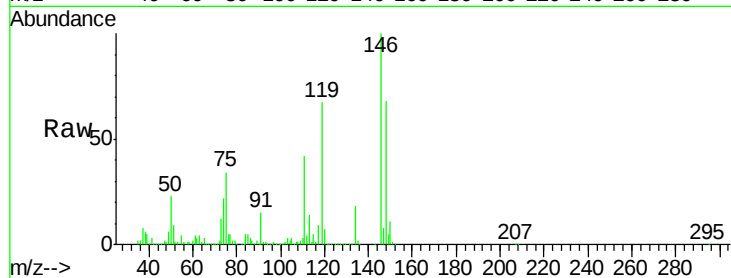
#87
 1,3-Dichlorobenzene
 Concen: 118.904 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	67.7	32.5	97.4

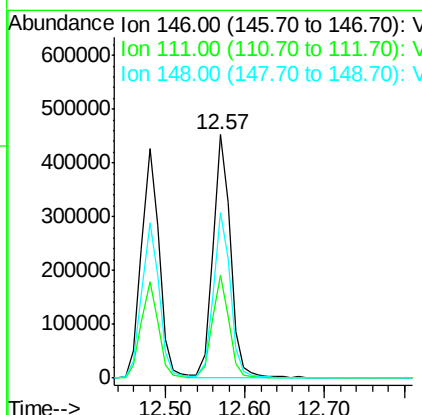
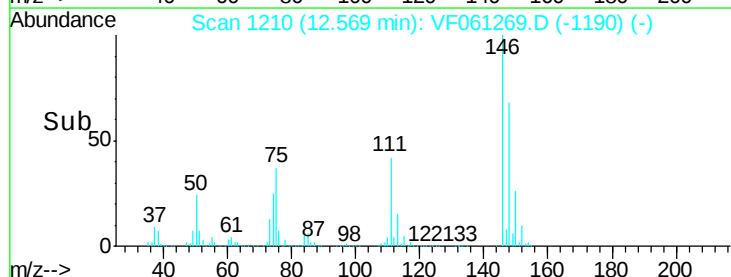
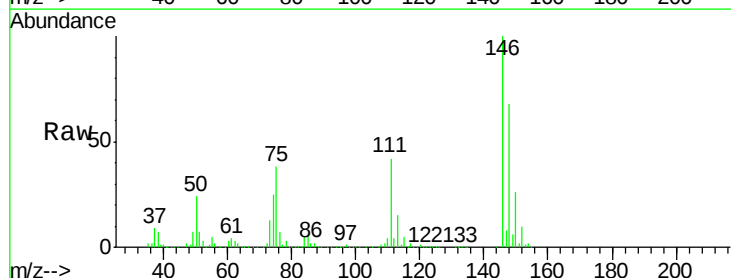
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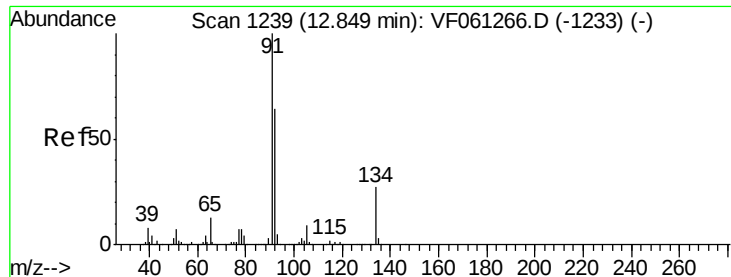
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#88
 1,4-Dichlorobenzene
 Concen: 131.338 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.3	57.9
148	68.0	32.6	98.0





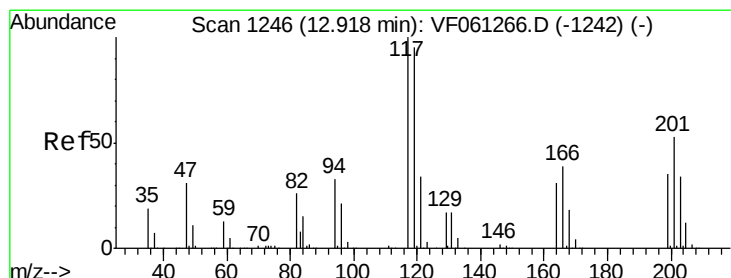
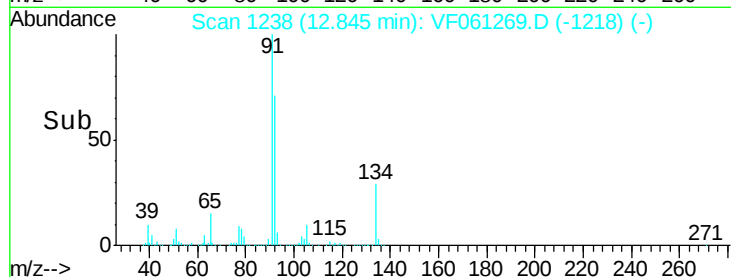
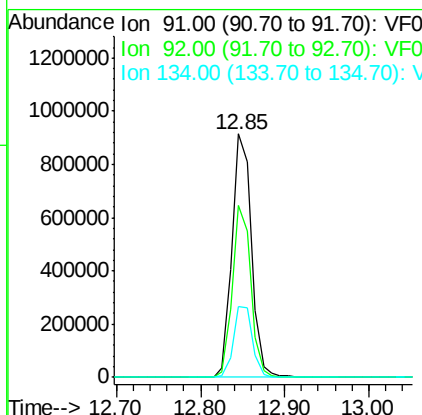
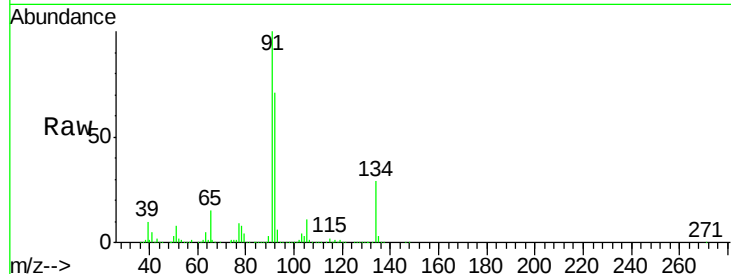
#89
n-Butylbenzene
Concen: 114.597 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	70.6	31.9	95.7
134	28.9	13.6	40.7

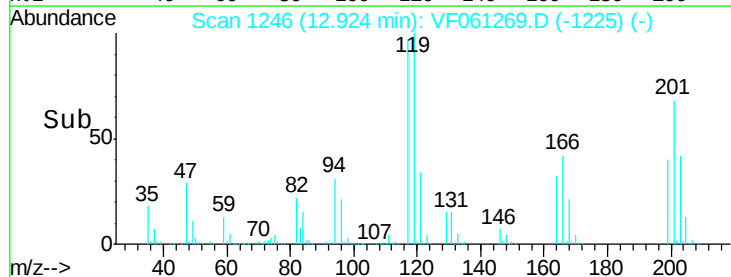
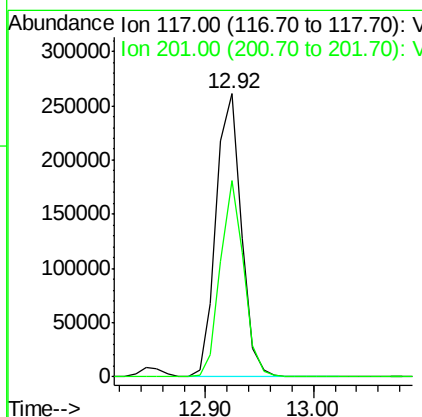
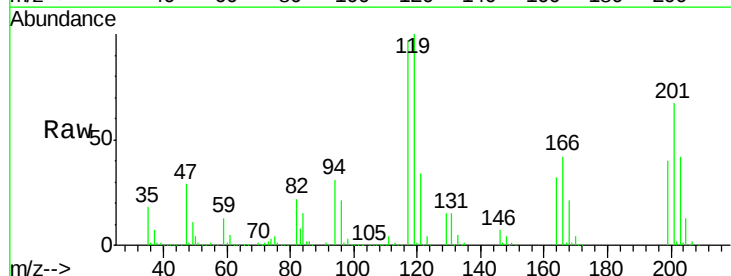
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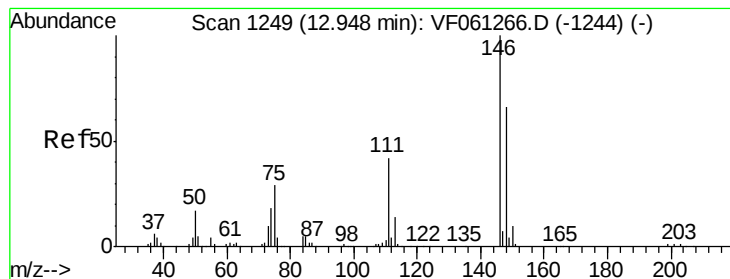
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#90
Hexachloroethane
Concen: 138.123 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	26.6	79.7





#91

1,2-Dichlorobenzene

Concen: 130.656 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 674309

Ion Ratio Lower Upper

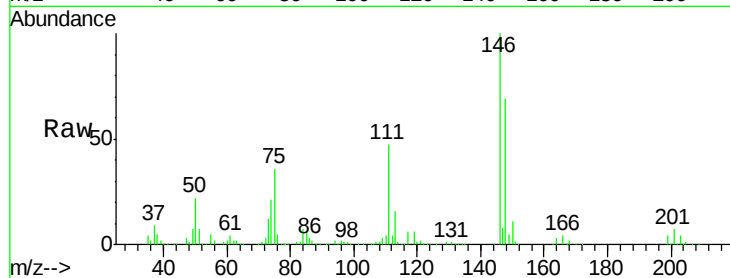
146 100

111 46.8 21.1 63.4

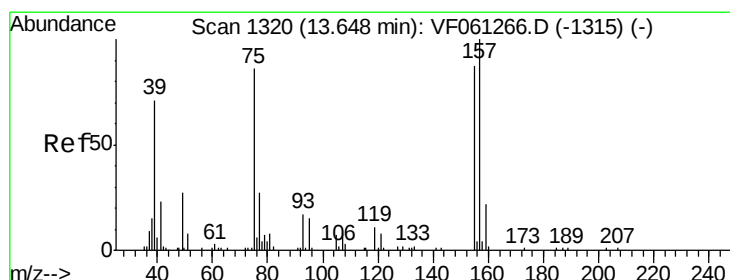
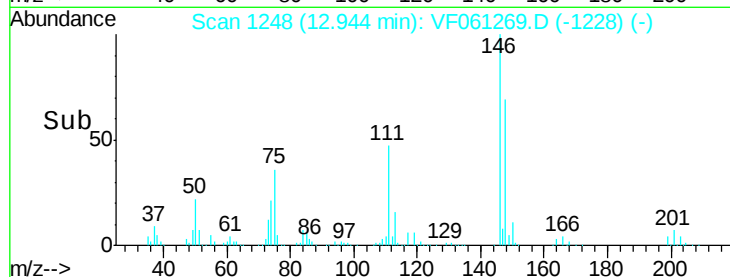
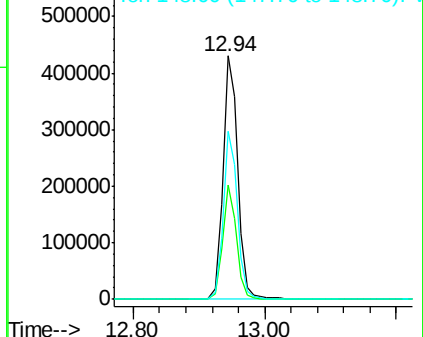
148 69.1 32.8 98.4

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 160.911 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF061269.D

Acq: 3 Jan 2019 17:11

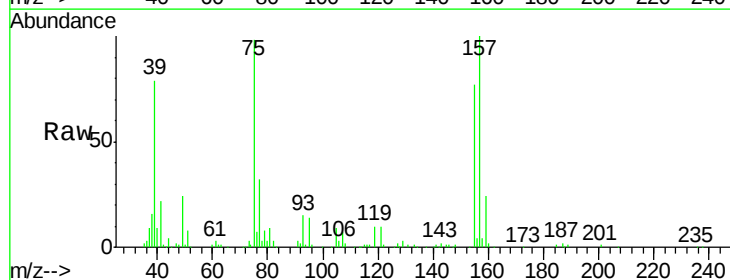
Tgt Ion: 75 Resp: 64846

Ion Ratio Lower Upper

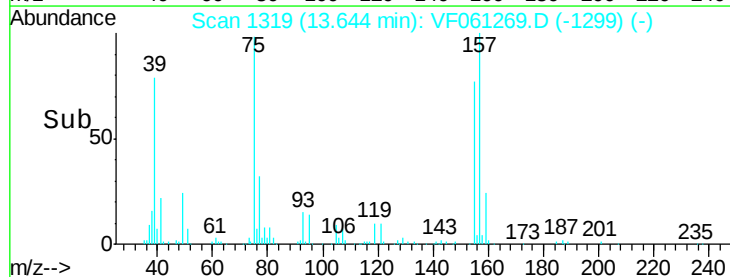
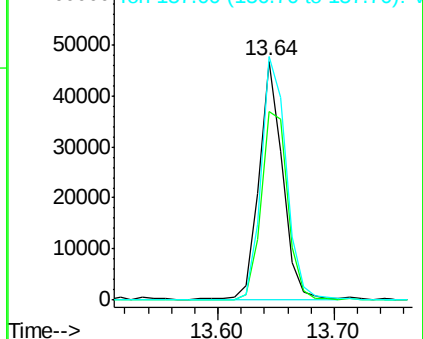
75 100

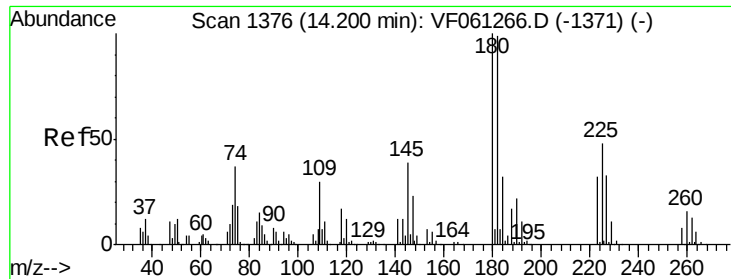
155 78.8 50.6 151.8

157 102.1 58.0 173.9



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





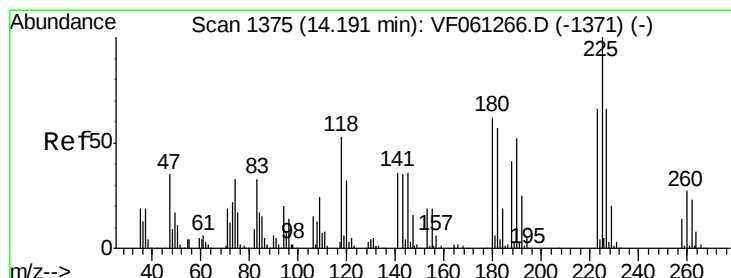
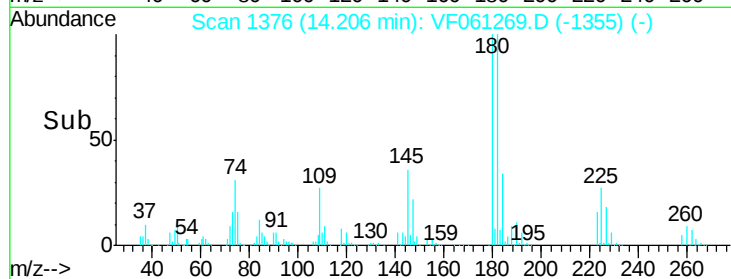
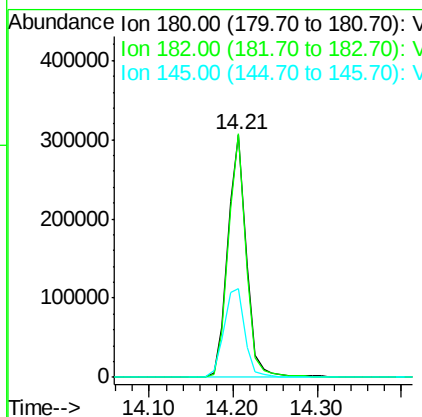
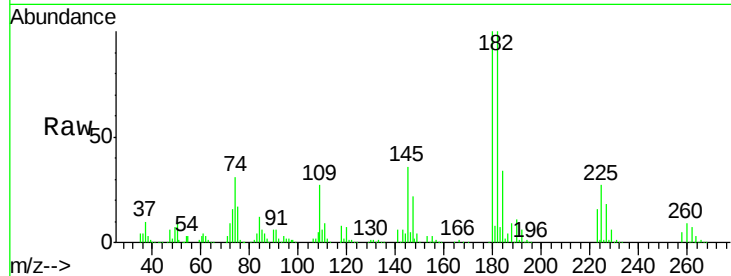
#93
 1,2,4-Trichlorobenzene
 Concen: 127.933 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	470536		
182	100.3	49.5	148.3	
145	36.3	19.7	59.0	

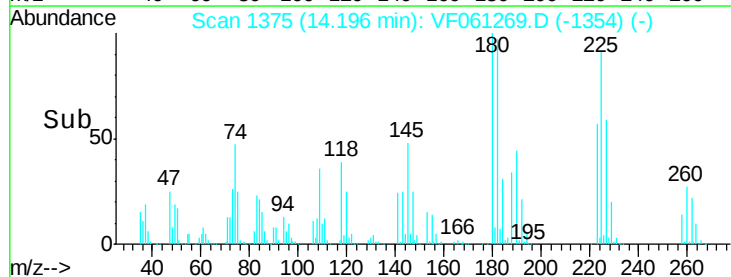
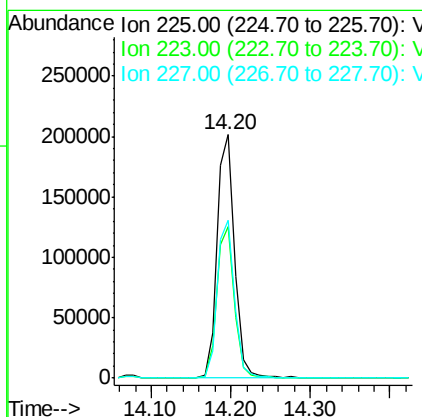
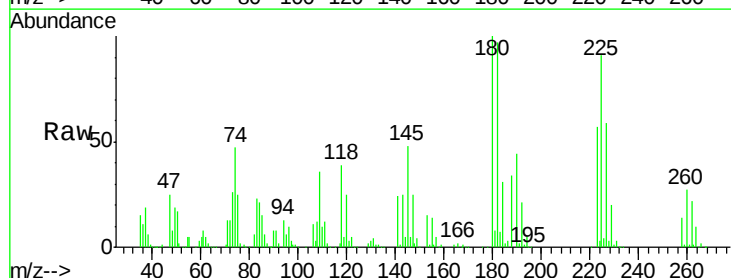
Manual Integrations
 APPROVED

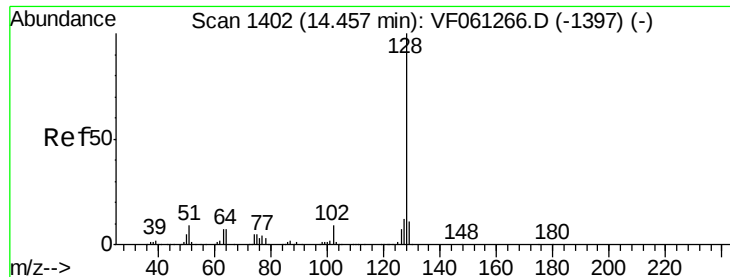
apatel
 1/4/2019 2:12:46 PM



#94
 Hexachlorobutadiene
 Concen: 134.326 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061269.D
 Acq: 3 Jan 2019 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	314527		
223	62.4	33.0	99.0	
227	64.8	32.8	98.4	





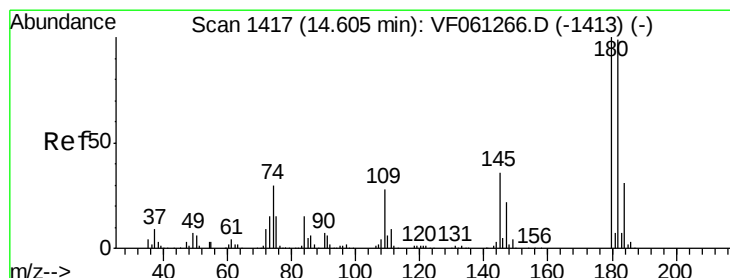
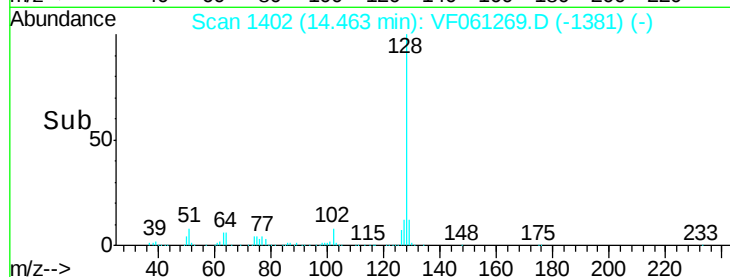
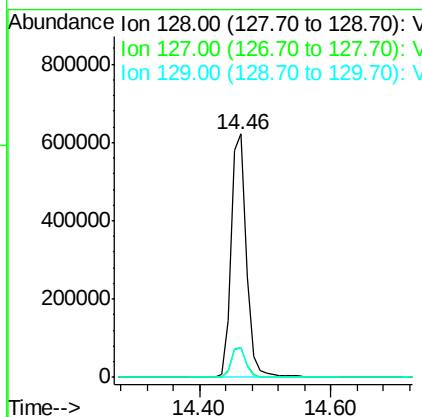
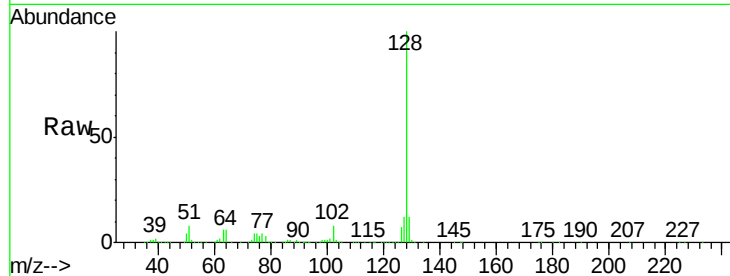
#95
Naphthalene
Concen: 153.673 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:128 Resp: 1021199
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 12.1 9.0 13.4

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 140.421 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061269.D
Acq: 3 Jan 2019 17:11

Tgt Ion:180 Resp: 472463
Ion Ratio Lower Upper
180 100
182 98.4 49.5 148.5
145 37.0 18.0 54.0

