

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061159.D
 Acq On : 24 Dec 2018 12:19
 Operator : VA/AP
 Sample : VF1224SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Manual Integrations
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 12/27/2018 12:57:35 PM

Quant Time: Dec 25 04:57:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	215556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	372485	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	336747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	164559	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	133133	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	4.12	113	150955	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	7.56	98	423841	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	11.41	95	196420	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	83398	17.405	ug/l	94
3) Chloromethane	1.10	50	61002	22.225	ug/l	98
4) Vinyl Chloride	1.14	62	54770	21.511	ug/l	88
5) Bromomethane	1.32	94	36080	20.430	ug/l	100
6) Chloroethane	1.38	64	23636	20.146	ug/l	92
7) Trichlorofluoromethane	1.49	101	87861	18.072	ug/l	99
8) Diethyl Ether	1.63	74	13944	20.945	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	51576	20.461	ug/l	89
10) Methyl Iodide	1.90	142	77683m	19.551	ug/l	
11) Tert butyl alcohol	2.57	59	12352	110.406	ug/l	98
12) 1,1-Dichloroethene	1.79	96	42174	22.195	ug/l	94
13) Acrolein	2.00	56	8954m	110.758	ug/l	
14) Allyl chloride	2.09	41	53659	27.136	ug/l	89
15) Acrylonitrile	2.94	53	31164	120.461	ug/l	91
16) Acetone	2.23	43	60791	109.684	ug/l	94
17) Carbon Disulfide	1.83	76	117422	20.449	ug/l #	93
18) Methyl Acetate	2.34	43	27761m	24.210	ug/l	
19) Methyl tert-butyl Ether	2.43	73	82272	19.507	ug/l	99
20) Methylene Chloride	2.24	84	55368m	29.413	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	43775m	21.540	ug/l	
22) Diisopropyl ether	2.79	45	141286	21.450	ug/l	92
23) Vinyl Acetate	3.19	43	345371	113.661	ug/l	100
24) 1,1-Dichloroethane	2.86	63	83739	21.457	ug/l	99
25) 2-Butanone	4.34	43	104901	116.704	ug/l	97
26) 2,2-Dichloropropane	3.59	77	46114	20.590	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	67500	21.695	ug/l	98
28) Bromochloromethane	3.72	49	45671	23.064	ug/l	88
29) Tetrahydrofuran	4.08	42	43419	118.680	ug/l	96
30) Chloroform	3.86	83	111127	18.991	ug/l	94
31) Cyclohexane	3.68	56	93724m	23.144	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	68210	19.448	ug/l	97
36) 1,1-Dichloropropene	4.27	75	85547	19.027	ug/l	99
37) Ethyl Acetate	4.12	43	38326	19.747	ug/l	88
38) Carbon Tetrachloride	3.99	117	66699	19.480	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	93279	23.125	ug/l	96
40) Benzene	4.63	78	211760	21.901	ug/l	98
41) Methacrylonitrile	4.75	41	22513	23.709	ug/l	92
42) 1,2-Dichloroethane	4.94	62	64335	17.515	ug/l	98
43) Isopropyl Acetate	6.96	43	49268	22.694	ug/l	92
44) Trichloroethene	5.50	130	62801	20.601	ug/l	94
45) 1,2-Dichloropropane	6.24	63	54271	20.631	ug/l	99
46) Dibromomethane	6.09	93	32894	19.279	ug/l	96
47) Bromodichloromethane	6.38	83	87585	19.757	ug/l	99
48) Methyl methacrylate	6.72	41	34243	22.594	ug/l	94
49) 1,4-Dioxane	6.71	88	4852	441.214	ug/l #	89
51) 4-Methyl-2-Pentanone	8.26	43	168547	113.203	ug/l	98
52) Toluene	7.63	92	129880	20.293	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	74447	20.817	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	91291	20.339	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	38337	19.980	ug/l	95
56) Ethyl methacrylate	8.62	69	45742	22.031	ug/l	97
57) 1,3-Dichloropropane	8.86	76	71845	20.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	45175	113.291	ug/l	97
59) 2-Hexanone	9.49	43	121179	112.543	ug/l	100
60) Dibromochloromethane	8.72	129	56620	20.586	ug/l	94
61) 1,2-Dibromoethane	8.99	107	39273	19.165	ug/l	95
64) Tetrachloroethene	8.16	164	54037	20.860	ug/l	92
65) Chlorobenzene	9.80	112	147106	21.146	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.94	131	55009	19.349	ug/l	99
67) Ethyl Benzene	9.91	91	270036	21.307	ug/l	97
68) m/p-Xylenes	10.13	106	201577	45.194	ug/l	98
69) o-Xylene	10.71	106	104670	21.159	ug/l	95
70) Styrene	10.79	104	145254	21.294	ug/l	99
71) Bromoform	10.77	173	26641	20.255	ug/l #	95
73) Isopropylbenzene	11.13	105	312633	22.046	ug/l	99
74) N-amyl acetate	11.38	43	74656	23.712	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	53347	22.666	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	36179	20.656	ug/l	98
77) Bromobenzene	11.49	156	64289	21.060	ug/l	94
78) n-propylbenzene	11.59	91	374177	20.347	ug/l	97
79) 2-Chlorotoluene	11.72	91	213874	21.985	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	247082	21.160	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.87	75	16999m	22.586	ug/l	
82) 4-Chlorotoluene	11.90	91	216309	21.494	ug/l	99
83) tert-Butylbenzene	12.13	119	255493	21.263	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	250639	21.524	ug/l	97
85) sec-Butylbenzene	12.31	105	352849	22.502	ug/l	97
86) p-Isopropyltoluene	12.46	119	287812	22.113	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	124496	21.975	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	114799	20.480	ug/l	97
89) n-Butylbenzene	12.85	91	298484	20.011	ug/l	94
90) Hexachloroethane	12.92	117	65922	20.500	ug/l	79
91) 1,2-Dichlorobenzene	12.94	146	114274	20.939	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8570	19.843	ug/l	90

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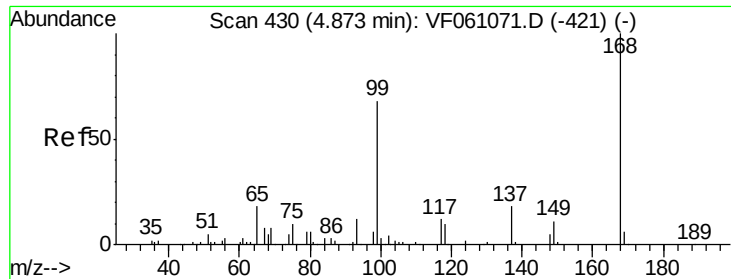
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	81057	20.943	ug/l	92
94) Hexachlorobutadiene	14.20	225	52264	21.202	ug/l	99
95) Naphthalene	14.45	128	145901	20.644	ug/l	97
96) 1,2,3-Trichlorobenzene	14.60	180	72657	20.307	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion:168 Resp: 215556

Ion Ratio Lower Upper

168 100

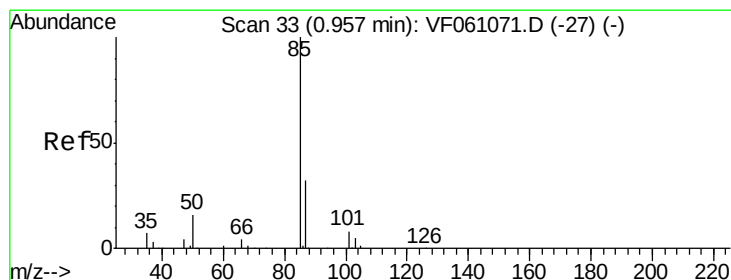
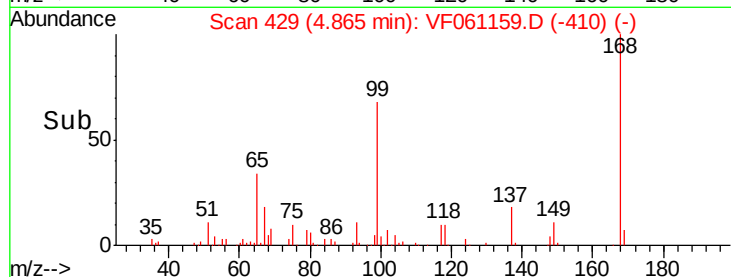
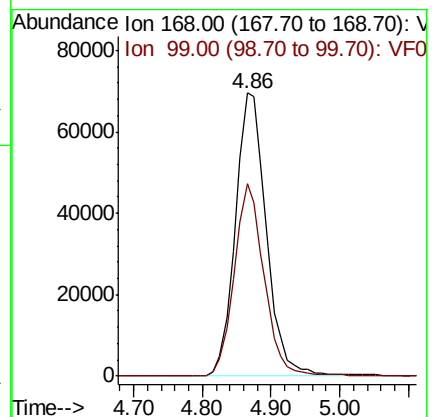
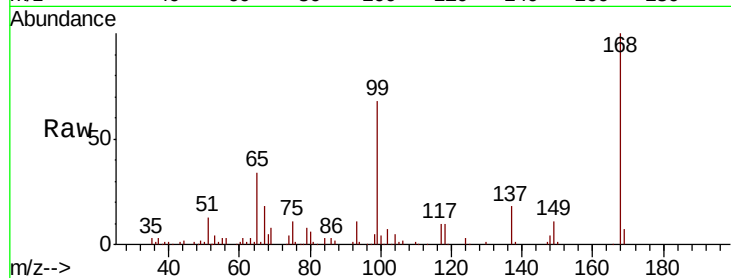
99 67.9 54.4 81.6

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#2

Dichlorodifluoromethane

Concen: 17.405 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061159.D

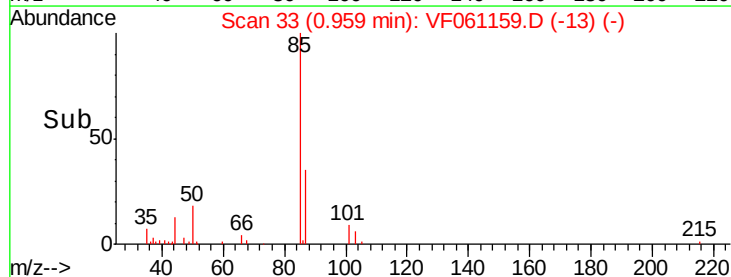
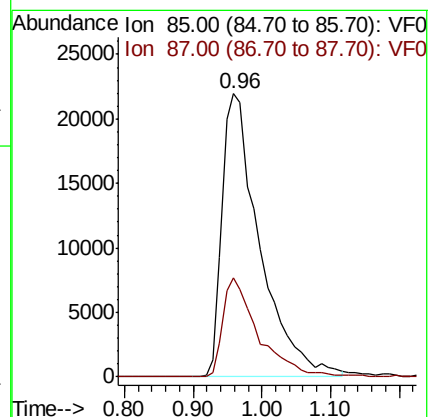
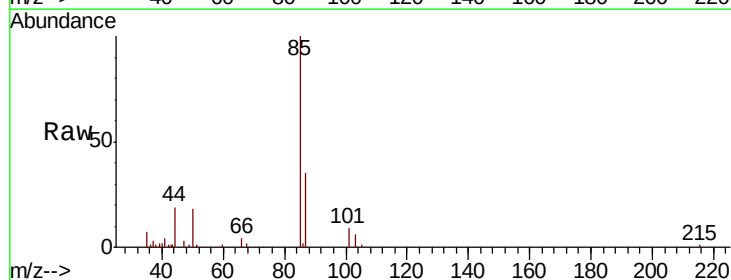
Acq: 24 Dec 2018 12:19

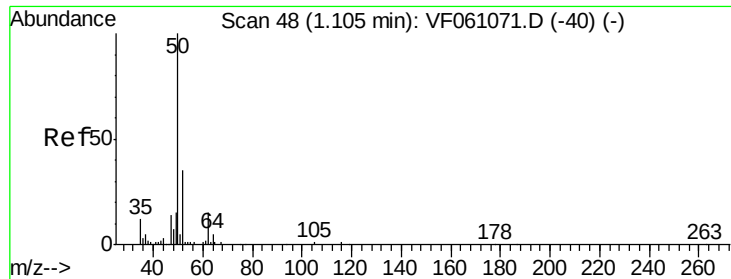
Tgt Ion: 85 Resp: 83398

Ion Ratio Lower Upper

85 100

87 35.1 15.9 47.6





#3

Chloromethane

Concen: 22.225 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 50 Resp: 61002

Ion Ratio Lower Upper

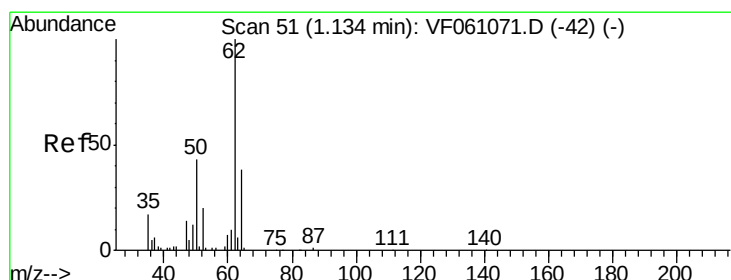
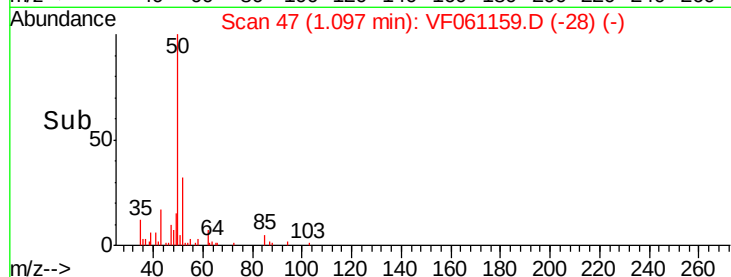
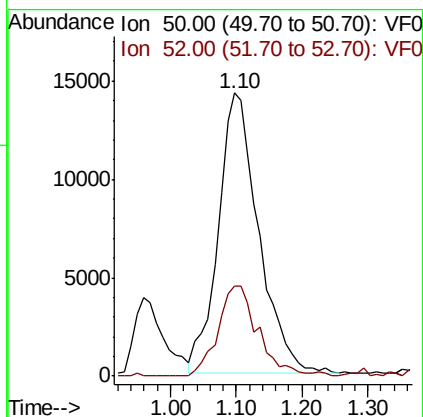
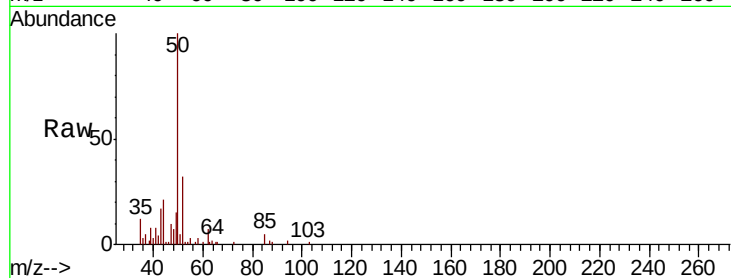
50 100

52 31.9 26.3 39.5

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#4

Vinyl Chloride

Concen: 21.511 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061159.D

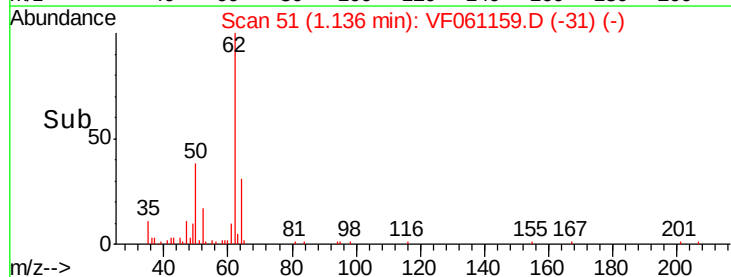
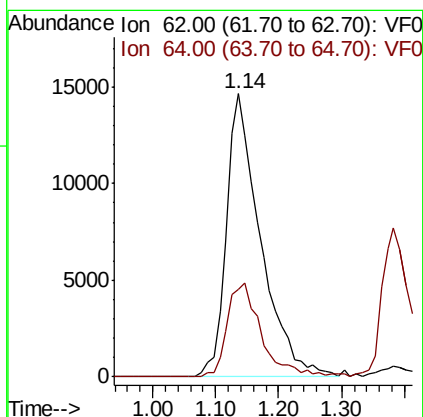
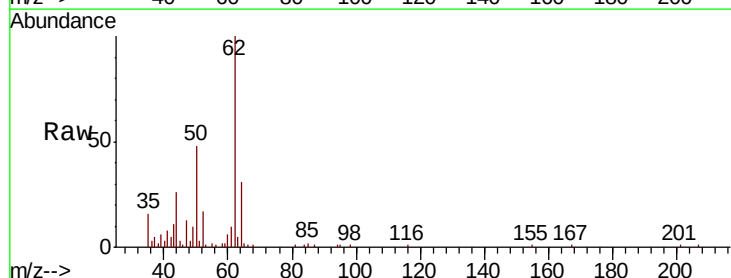
Acq: 24 Dec 2018 12:19

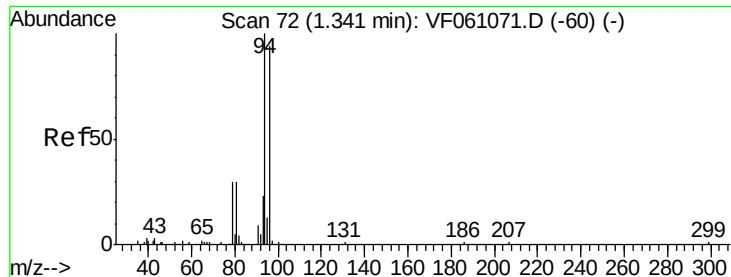
Tgt Ion: 62 Resp: 54770

Ion Ratio Lower Upper

62 100

64 31.1 30.4 45.6





#5

Bromomethane

Concen: 20.430 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 94 Resp: 36080

Ion Ratio Lower Upper

94 100

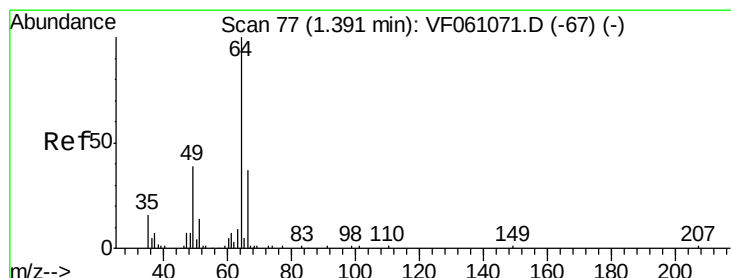
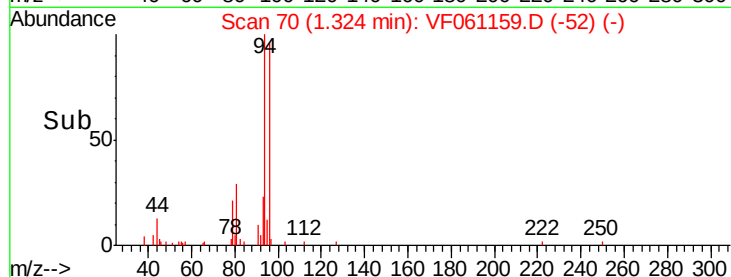
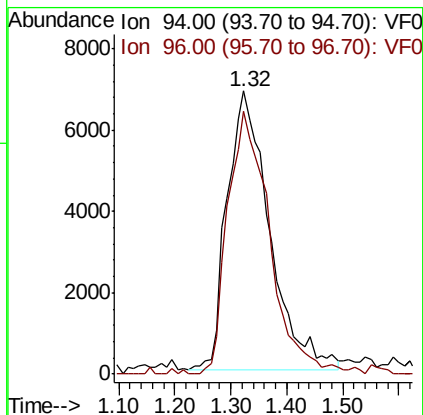
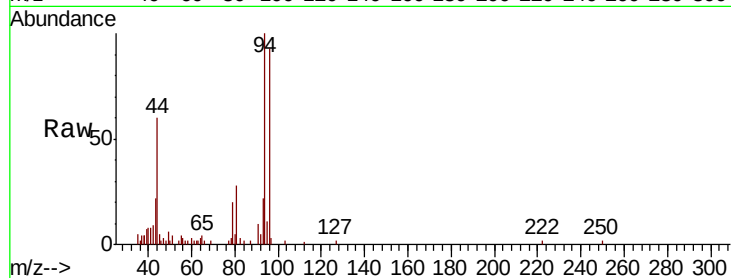
96 92.8 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 20.146 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061159.D

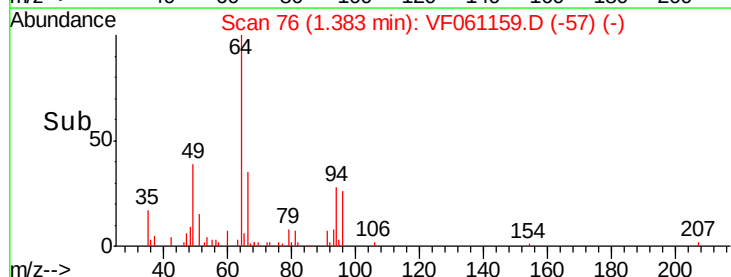
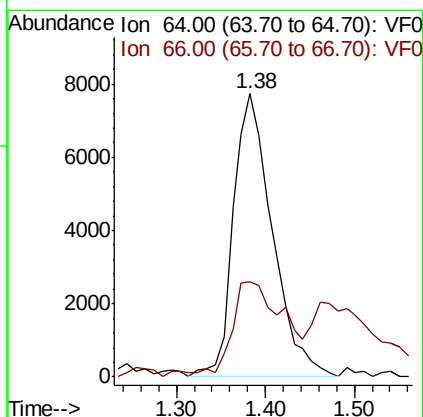
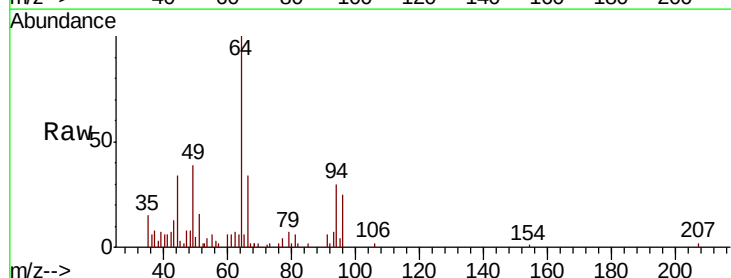
Acq: 24 Dec 2018 12:19

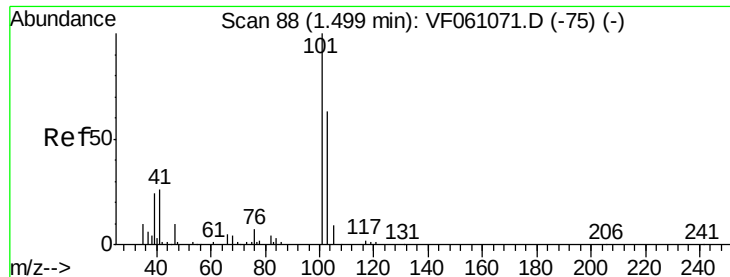
Tgt Ion: 64 Resp: 23636

Ion Ratio Lower Upper

64 100

66 33.7 30.9 46.3





#7

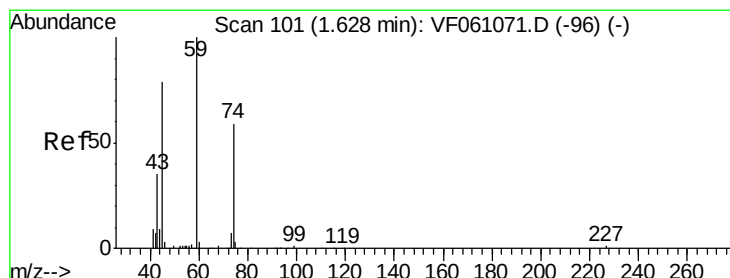
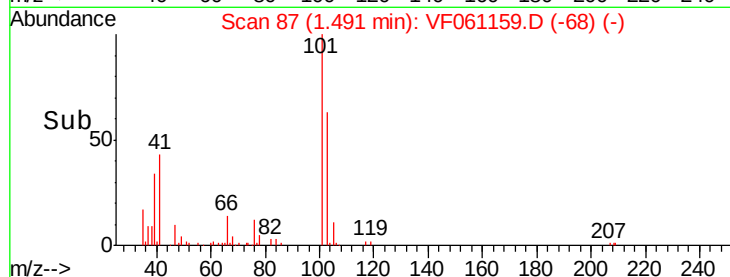
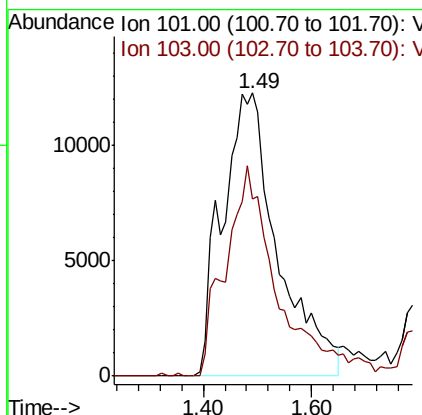
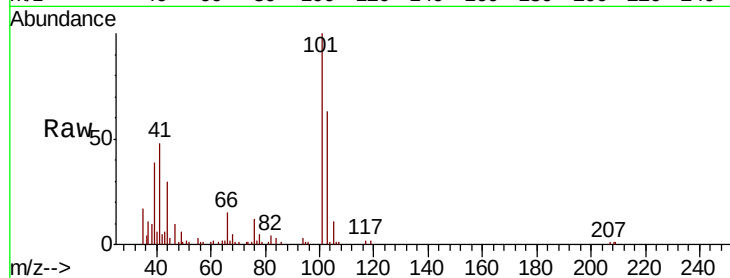
Trichlorofluoromethane
Concen: 18.072 ug/l
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

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ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.7	76.1

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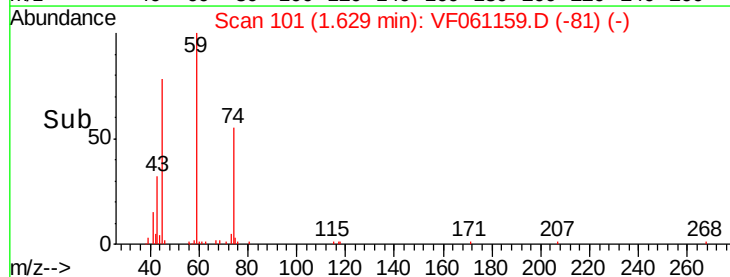
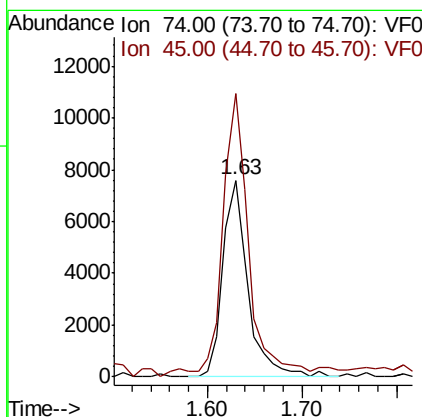
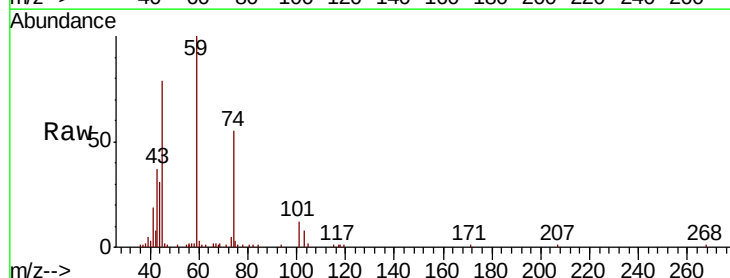
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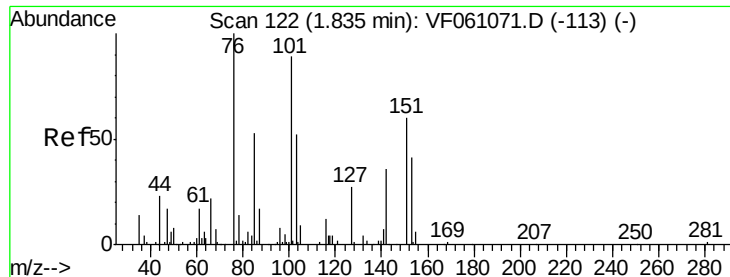


#8

Diethyl Ether
Concen: 20.945 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	144.0	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.461 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

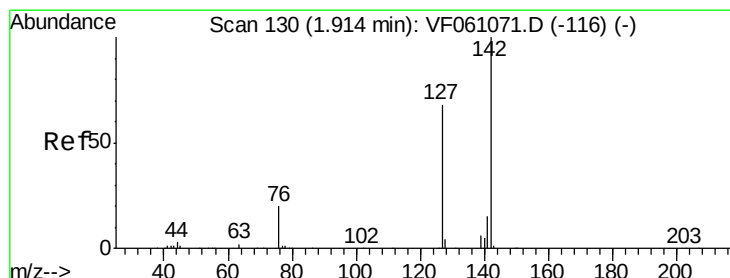
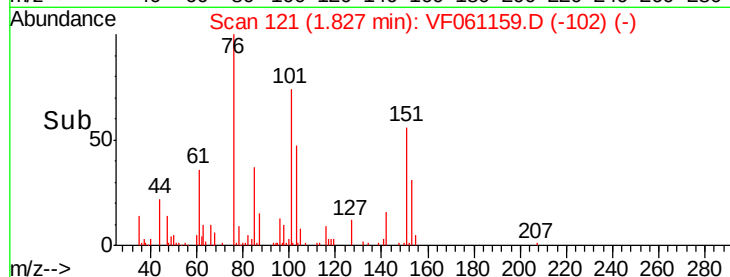
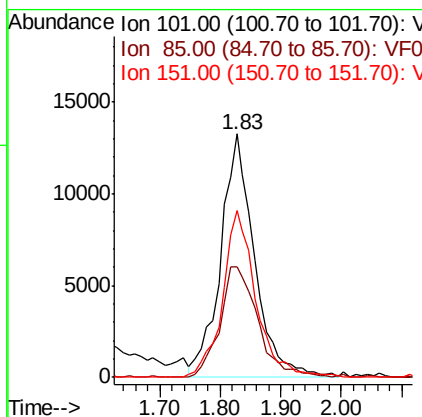
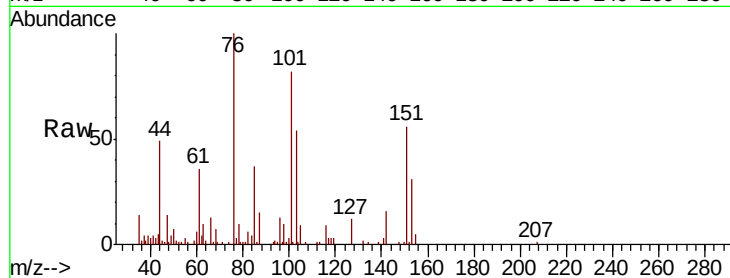
ClientSampleId :

VF1224SBS01

Tot Ion:	101	Resp:	51576
Ion Ratio	Lower	Upper	
101	100		
85	45.3	44.5	66.7
151	68.8	49.9	74.9

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#10

Methyl Iodide

Concen: 19.551 ug/l m

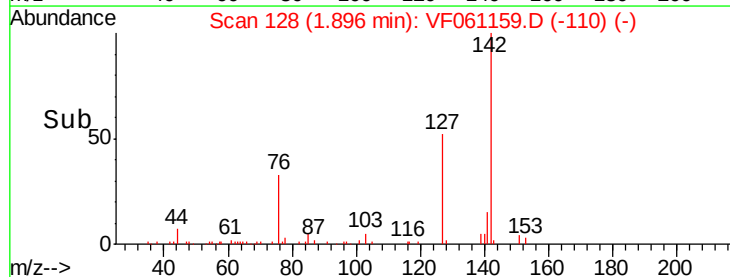
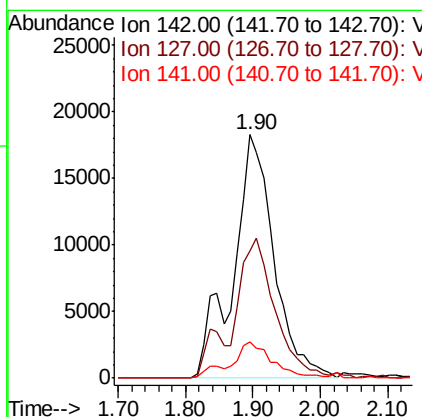
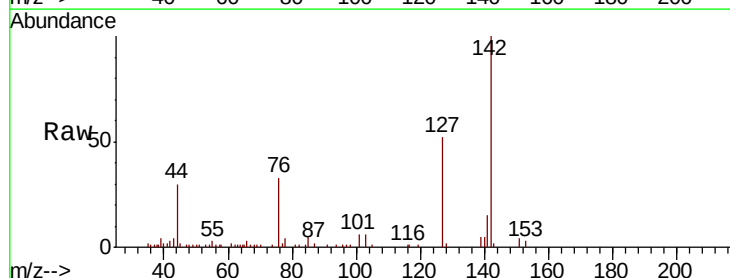
RT: 1.90 min Scan# 128

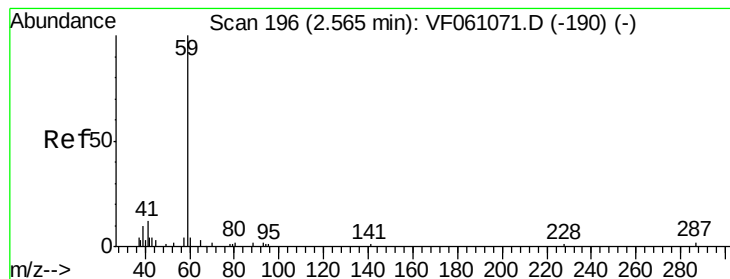
Delta R.T. -0.02 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	142	Resp:	77683
Ion Ratio	Lower	Upper	
142	100		
127	52.2	54.7	82.1#
141	14.9	12.2	18.2





#11

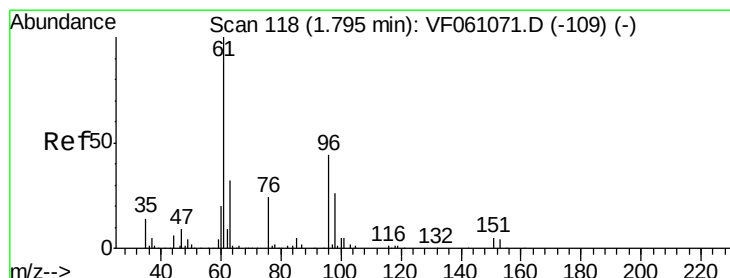
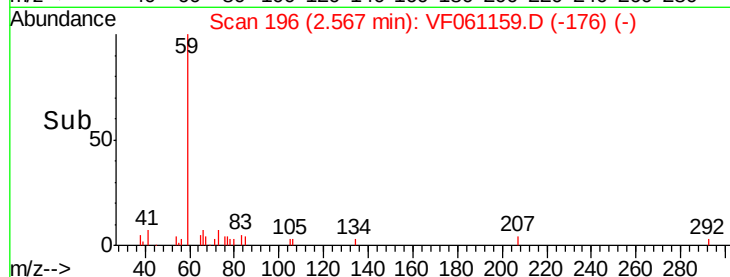
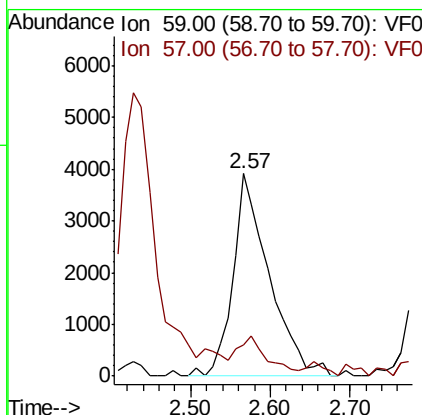
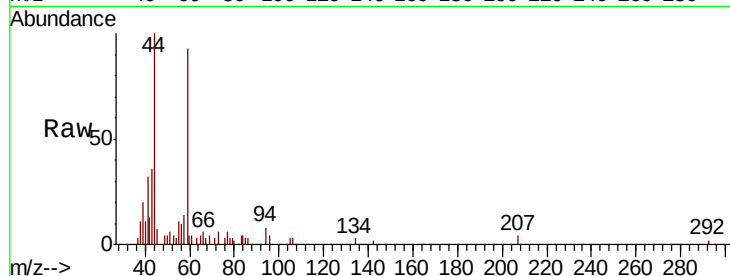
Tert butyl alcohol
 Concen: 110.406 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	59	Resp	12352
Ion Ratio	100	Lower	Upper
57	15.3	11.5	17.3

Manual Integrations
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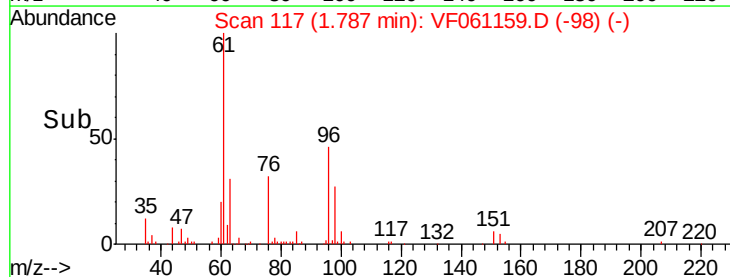
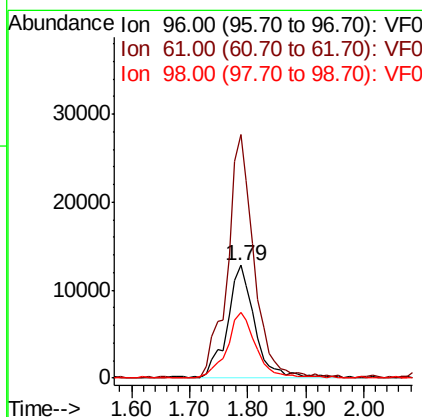
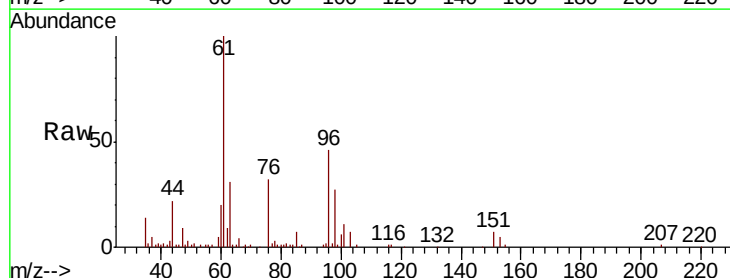
apatel
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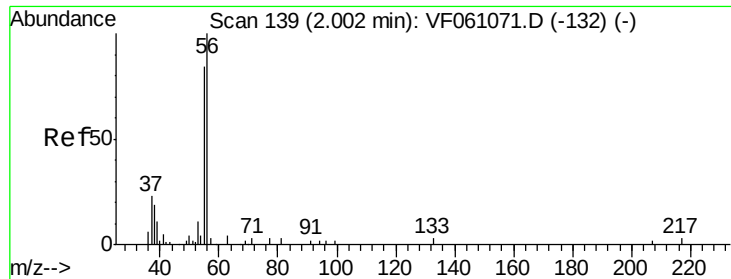


#12

1,1-Dichloroethene
 Concen: 22.195 ug/l
 RT: 1.79 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	96	Resp	42174
Ion Ratio	100	Lower	Upper
61	216.1	182.0	273.0
98	58.7	46.5	69.7





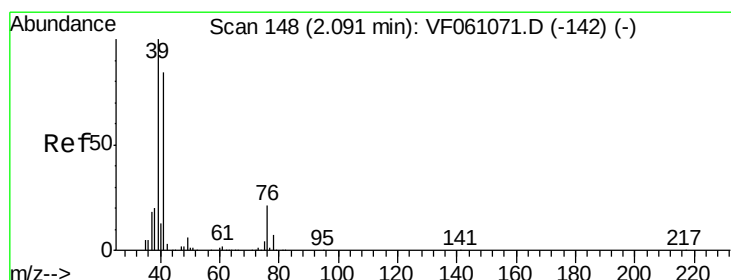
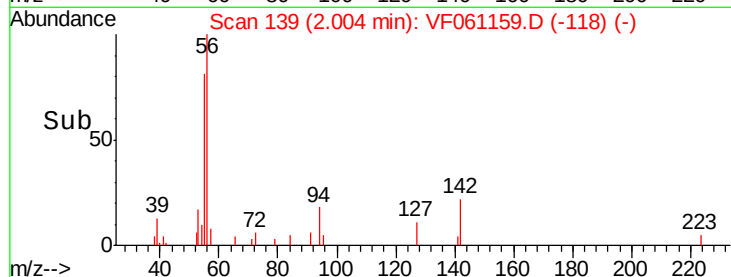
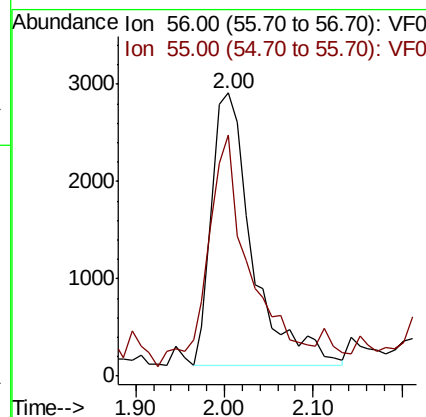
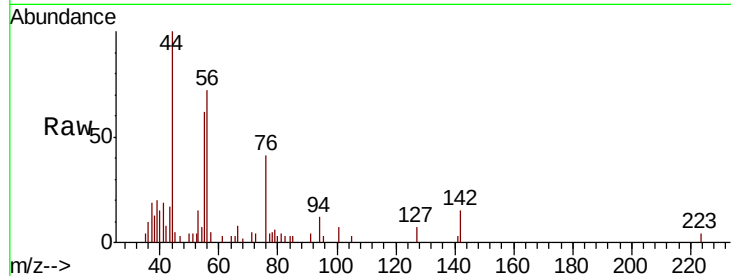
#13
Acrolein
Concen: 110.758 ug/l m
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	56	Resp	8954
Ion Ratio	100	Lower	Upper
55	85.3	70.2	105.2

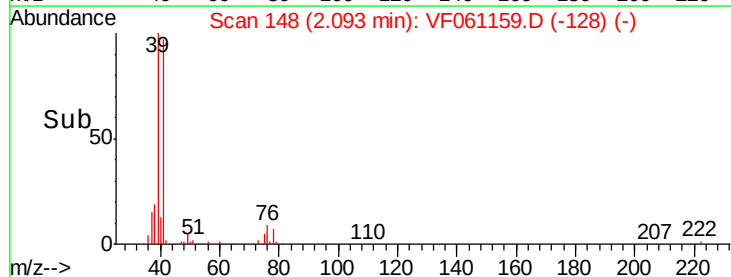
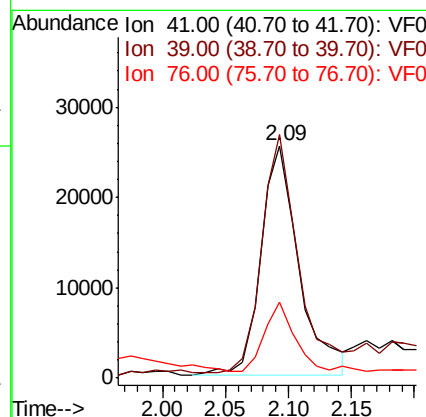
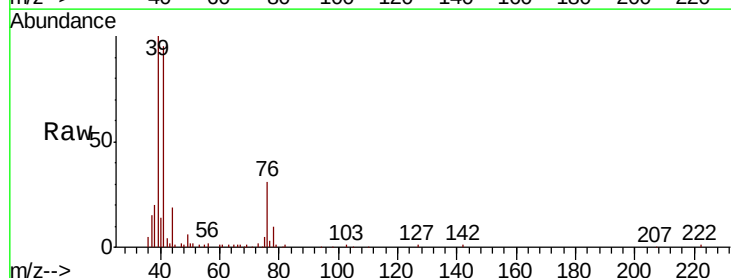
Manual Integrations
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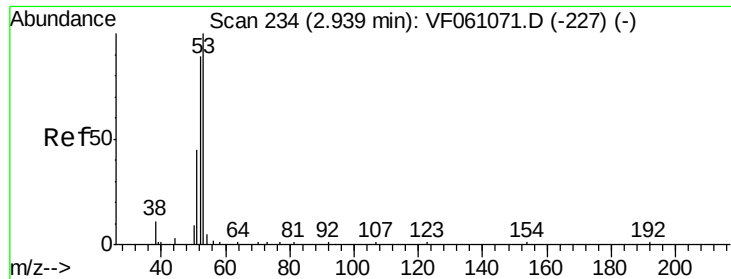
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#14
Allyl chloride
Concen: 27.136 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	41	Resp	53659
Ion Ratio	100	Lower	Upper
39	104.8	96.4	144.6
76	32.6	25.4	38.0





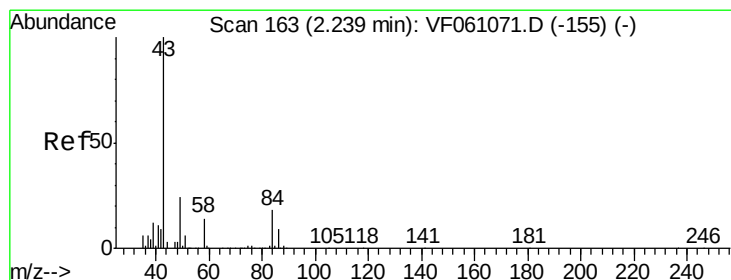
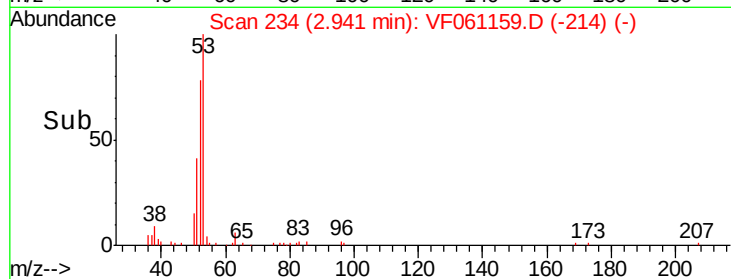
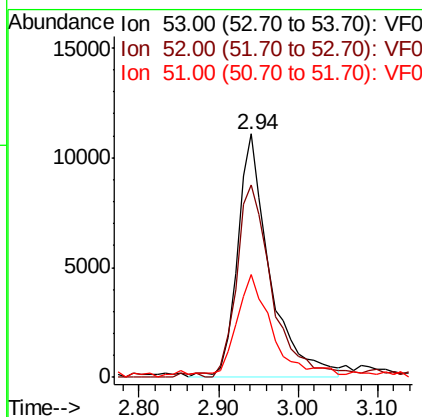
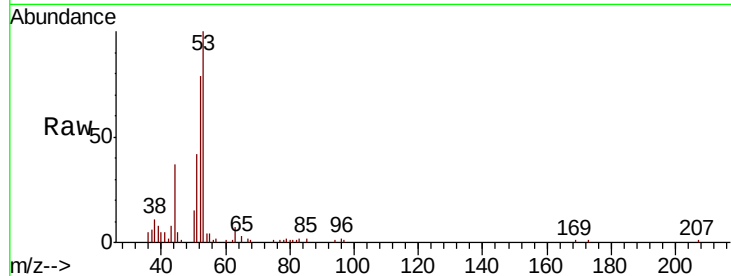
#15
 Acrylonitrile
 Concen: 120.461 ug/l
 RT: 2.94 min Scan# 234
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion:	53	Resp:	31164
Ion	Ratio	Lower	Upper
53	100		
52	79.3	71.3	106.9
51	42.1	36.8	55.2

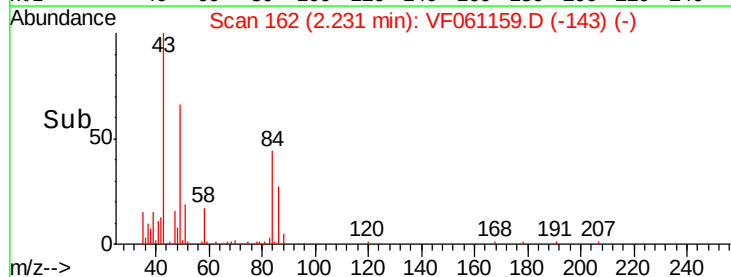
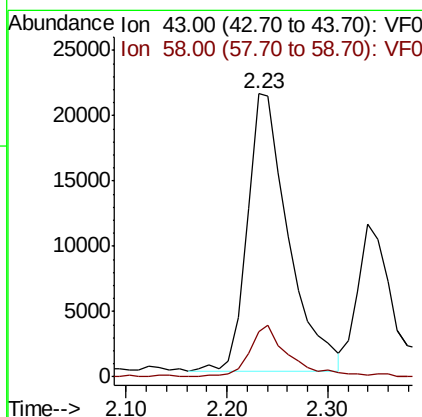
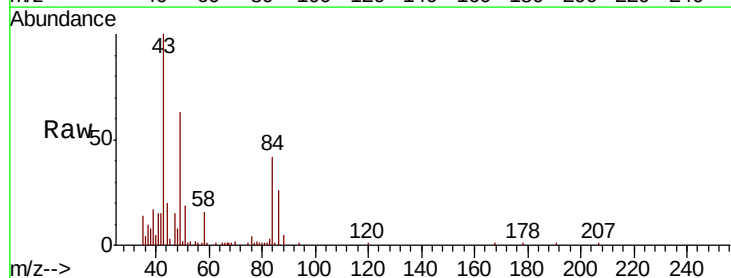
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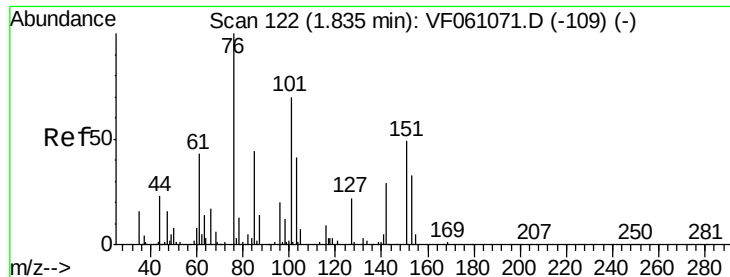
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#16
 Acetone
 Concen: 109.684 ug/l
 RT: 2.23 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion:	43	Resp:	60791
Ion	Ratio	Lower	Upper
43	100		
58	16.2	11.1	16.7





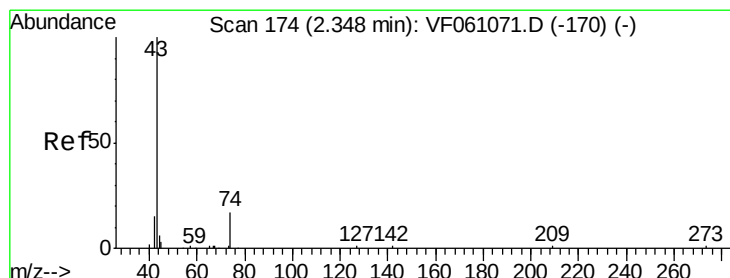
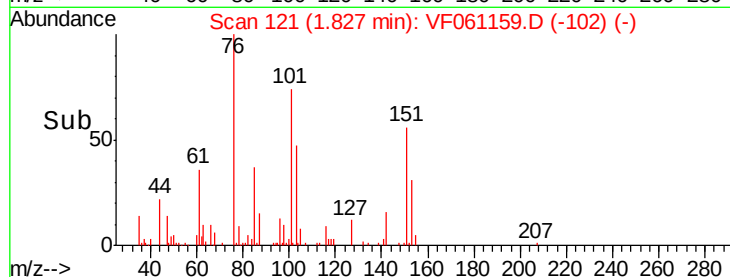
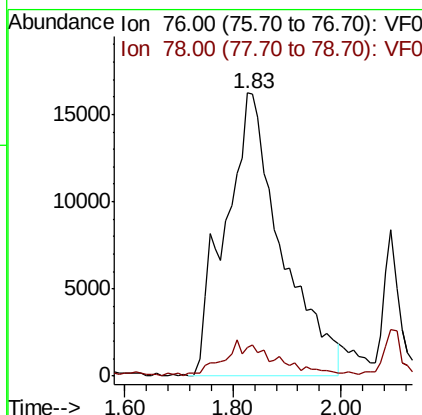
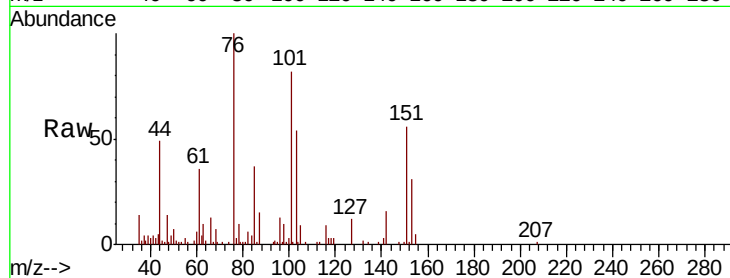
#17
Carbon Disulfide
Concen: 20.449 ug/l
RT: 1.83 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion: 76 Resp: 117422
Ion Ratio Lower Upper
76 100
78 10.0 10.2 15.4#

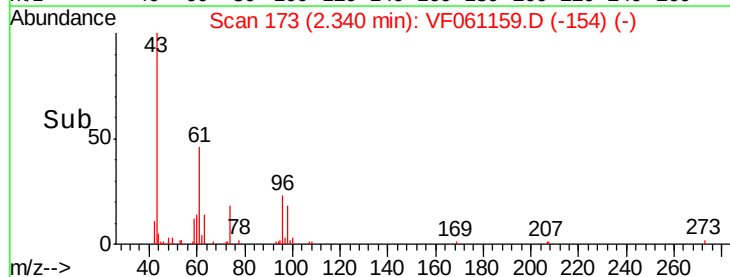
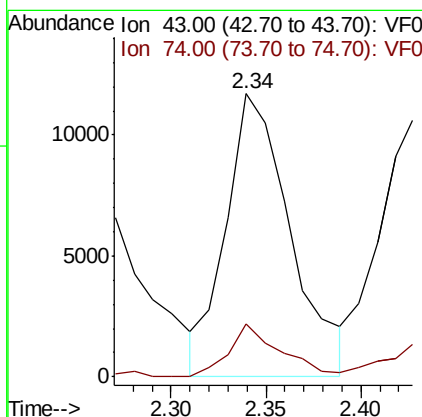
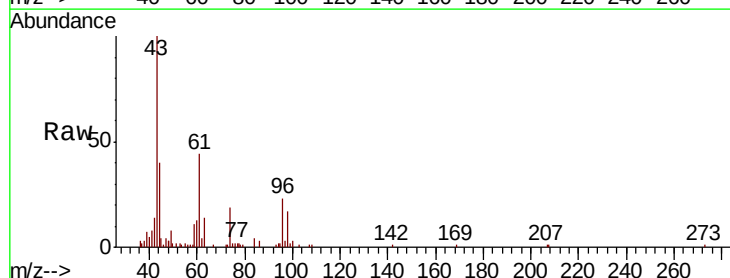
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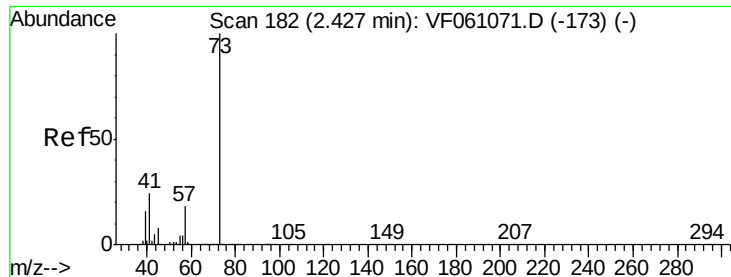
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#18
Methyl Acetate
Concen: 24.210 ug/l m
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 43 Resp: 27761
Ion Ratio Lower Upper
43 100
74 18.6 11.0 16.6#





#19

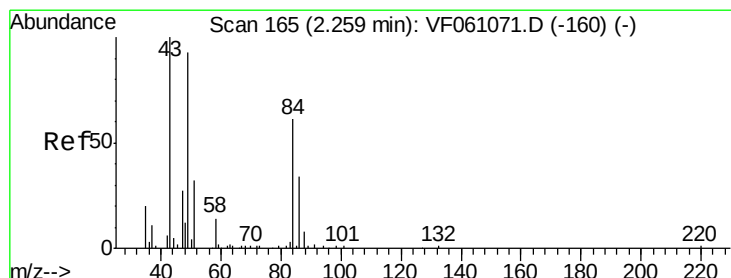
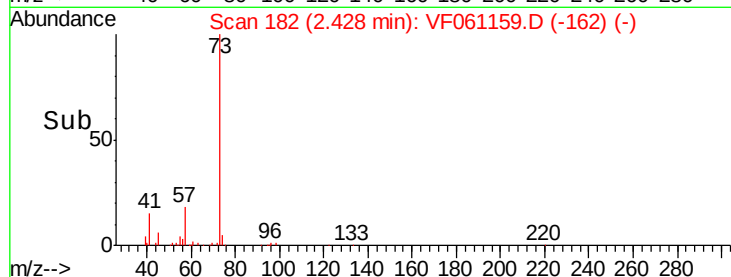
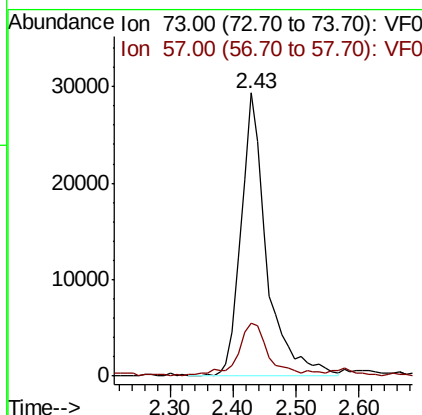
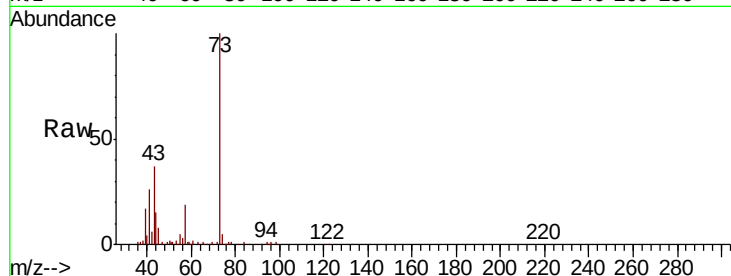
Methyl tert-butyl Ether
 Concen: 19.507 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	14.5	21.7

Manual Integrations
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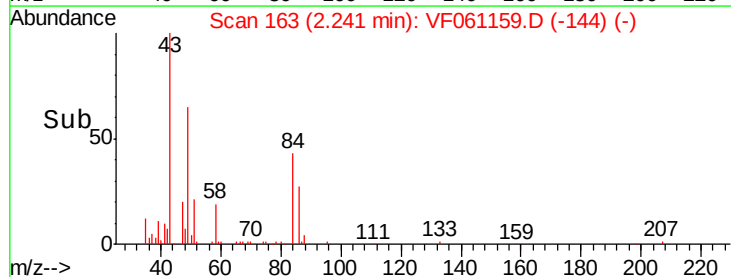
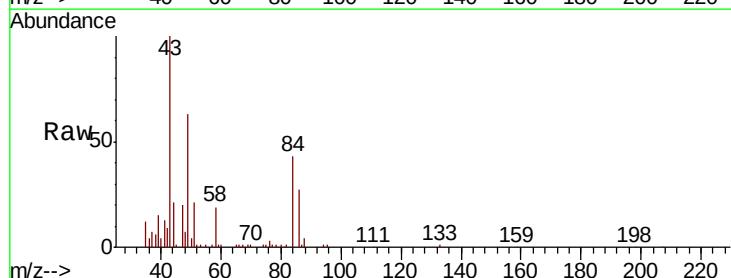
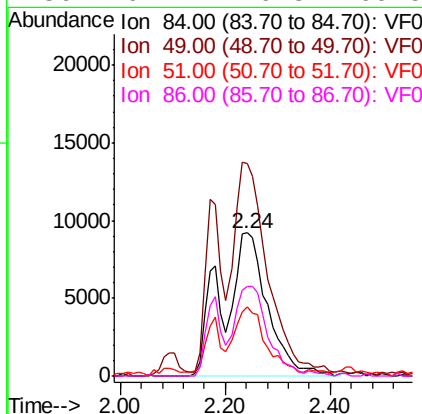
apatel
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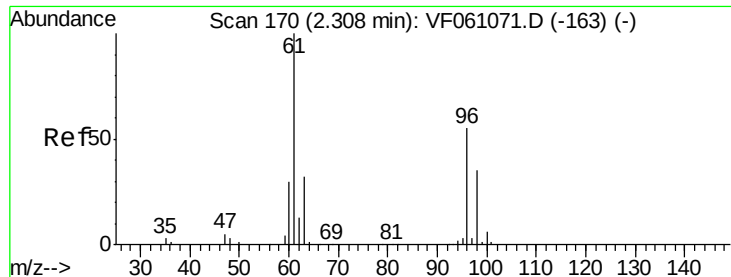


#20

Methylene Chloride
 Concen: 29.413 ug/l m
 RT: 2.24 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.2	129.4	194.2
51	48.2	44.0	66.0
86	62.4	46.3	69.5





#21

trans-1,2-Dichloroethene

Concen: 21.540 ug/l m

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

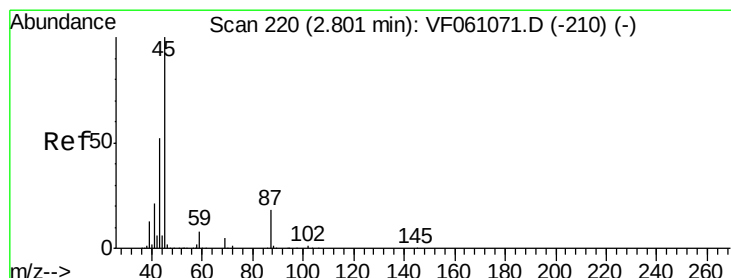
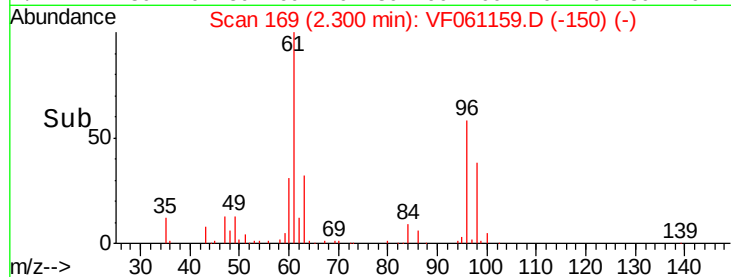
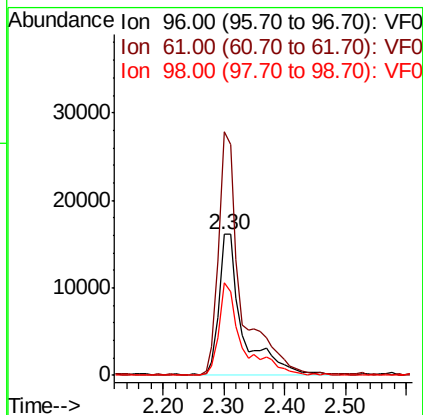
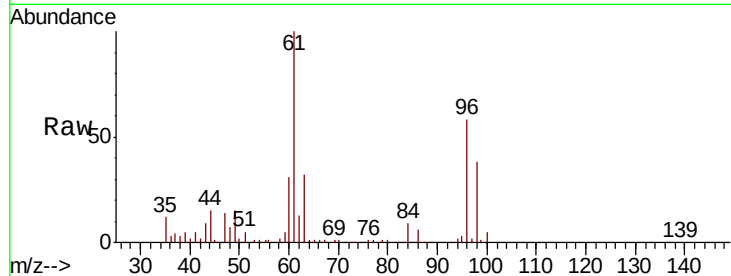
ClientSampleId :

VF1224SBS01

Tot Ion:	96	Resp:	43775
Ion	Ratio	Lower	Upper
96	100		
61	172.5	146.0	219.0
98	65.8	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.450 ug/l

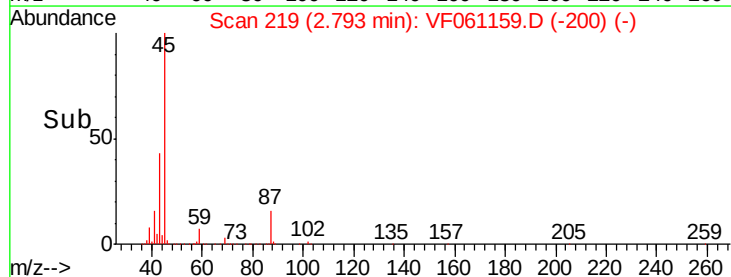
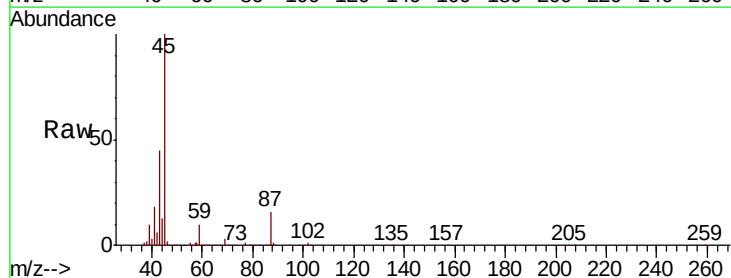
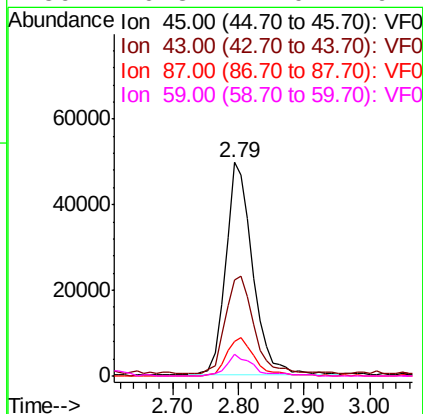
RT: 2.79 min Scan# 219

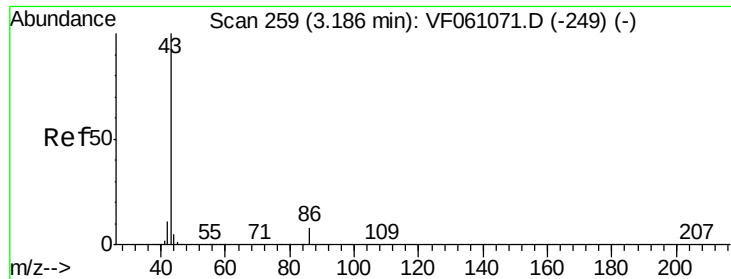
Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	45	Resp:	141286
Ion	Ratio	Lower	Upper
45	100		
43	45.2	42.2	63.2
87	16.4	14.6	22.0
59	10.3	7.0	10.4





#23

Vinyl Acetate

Concen: 113.661 ug/l

RT: 3.19 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 43 Resp: 345371

Ion Ratio Lower Upper

43 100

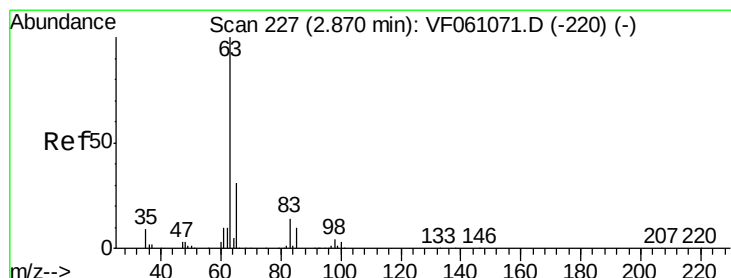
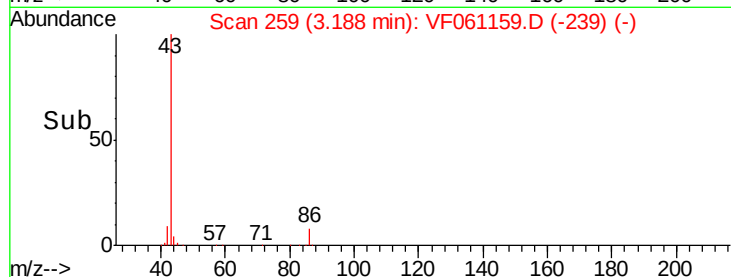
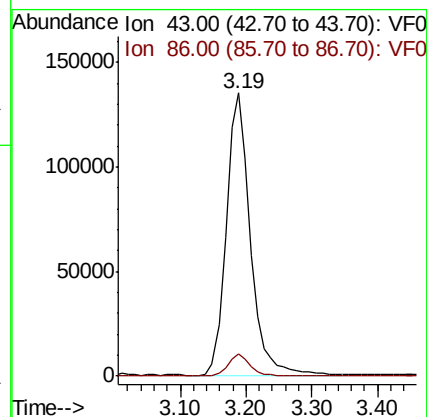
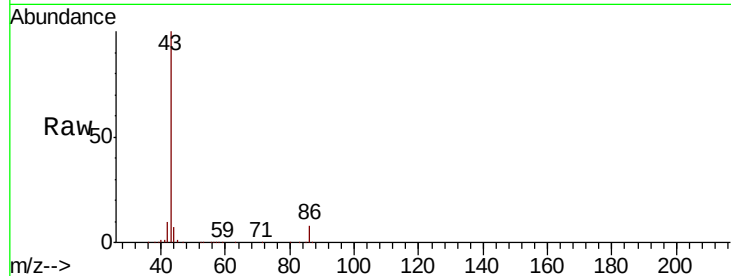
86 7.8 6.3 9.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.457 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

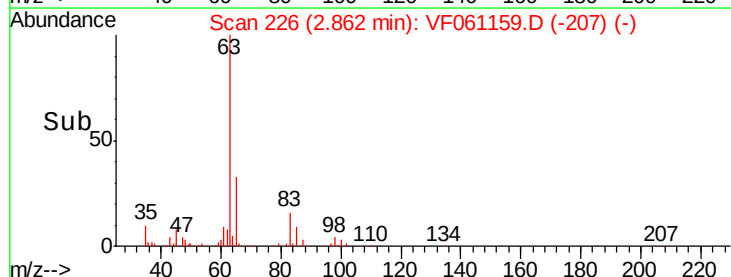
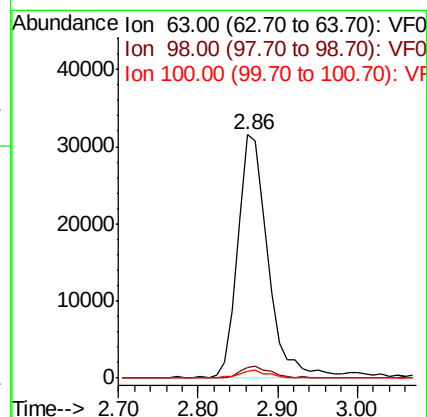
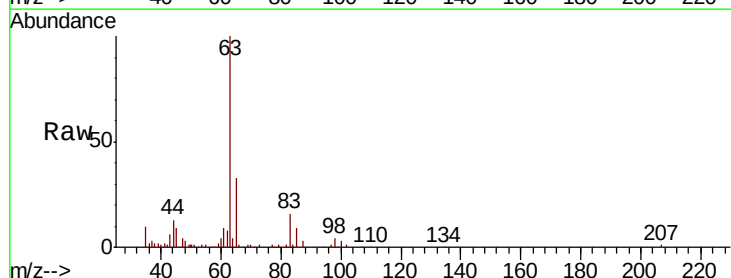
Tgt Ion: 63 Resp: 83739

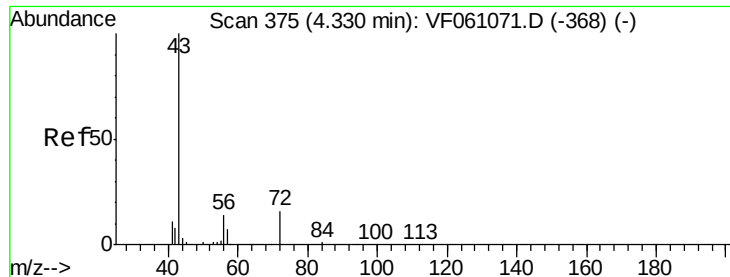
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

100 2.6 1.7 5.1





#25

2-Butanone

Concen: 116.704 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 43 Resp: 104901

Ion Ratio Lower Upper

43 100

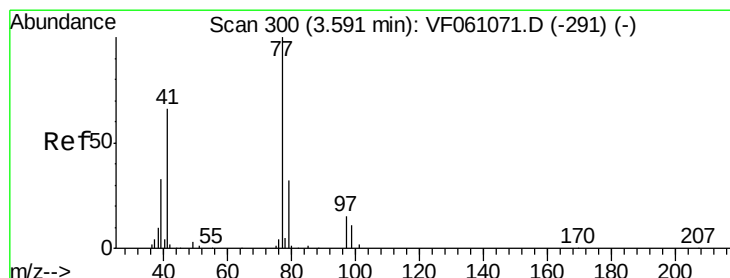
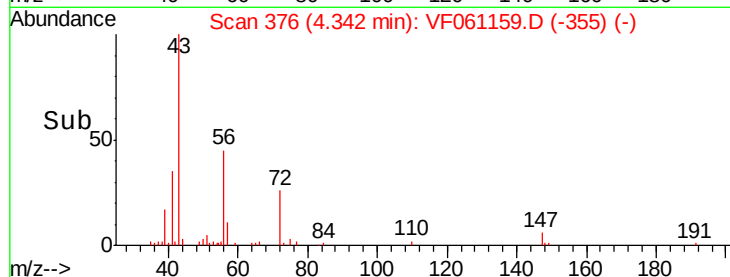
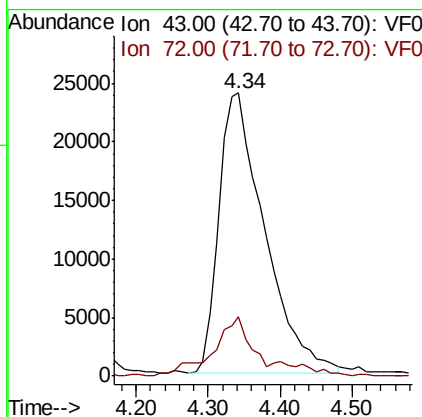
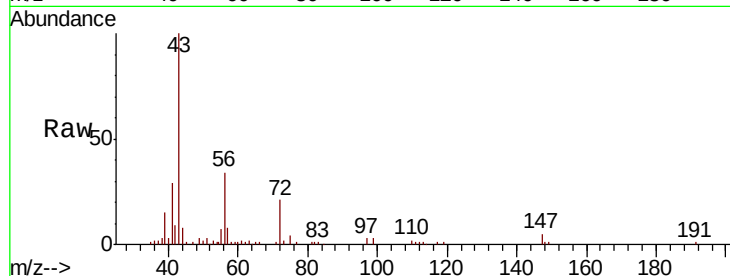
72 20.9 15.6 23.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.590 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061159.D

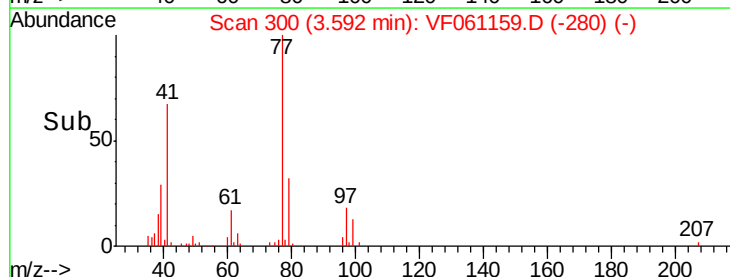
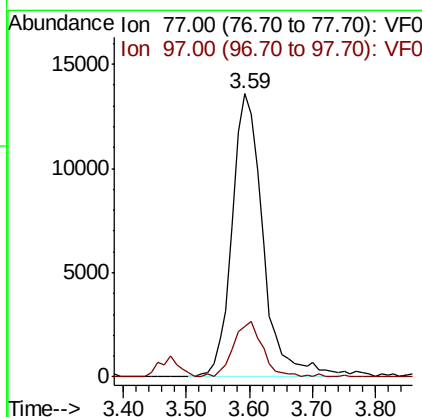
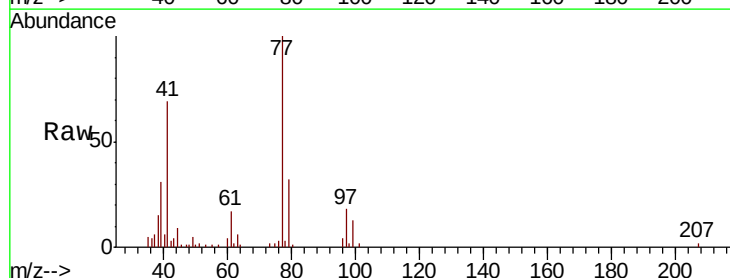
Acq: 24 Dec 2018 12:19

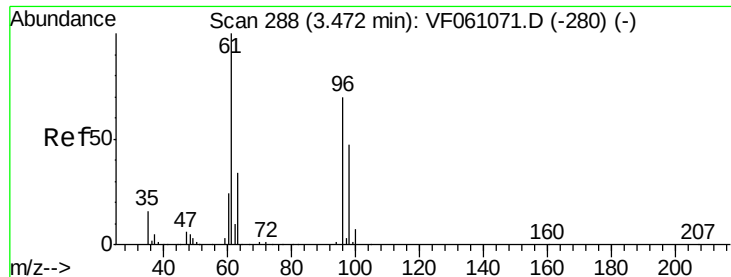
Tgt Ion: 77 Resp: 46114

Ion Ratio Lower Upper

77 100

97 17.8 8.2 24.4





#27

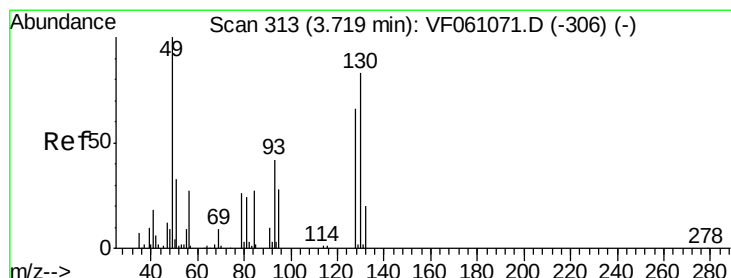
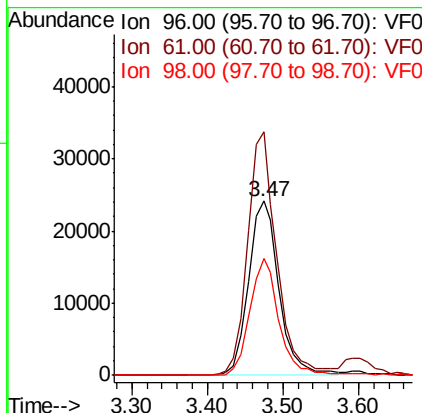
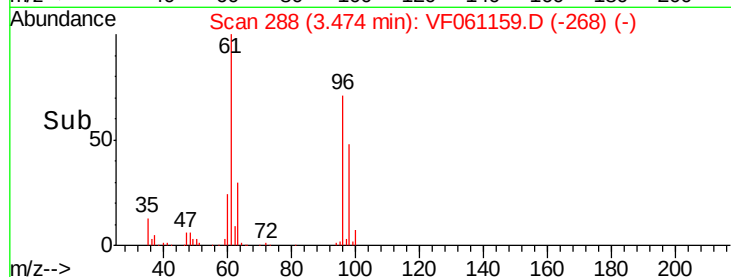
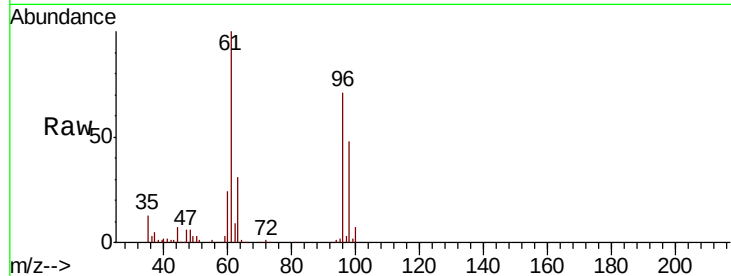
cis-1,2-Dichloroethene
Concen: 21.695 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		67500		
61	140.0	0.0	287.8		
98	67.3	0.0	134.2		

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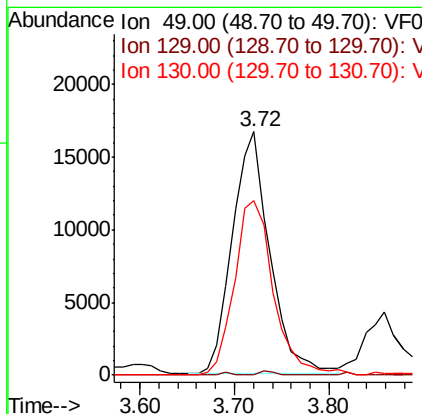
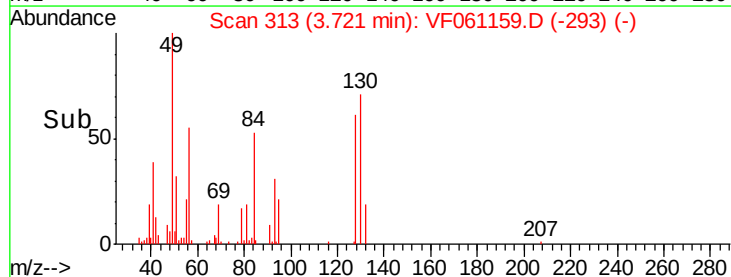
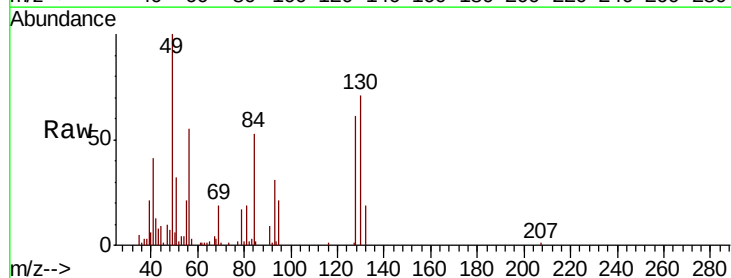
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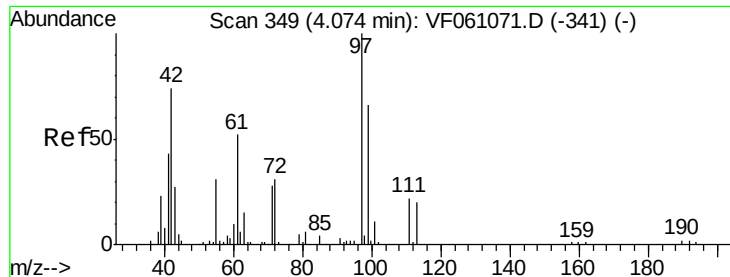


#28

Bromochloromethane
Concen: 23.064 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		45671		
129	0.0	0.0	3.6		
130	71.4	65.8	98.6		





#29

Tetrahydrofuran

Concen: 118.680 ug/l

RT: 4.08 min Scan# 349

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

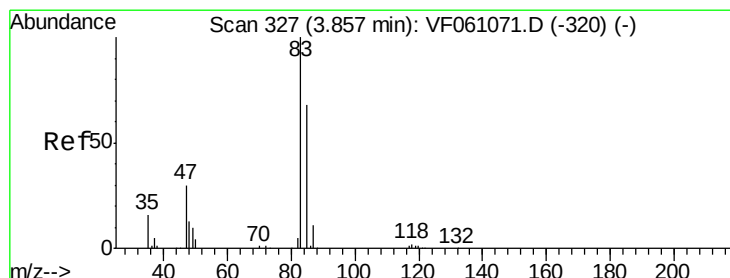
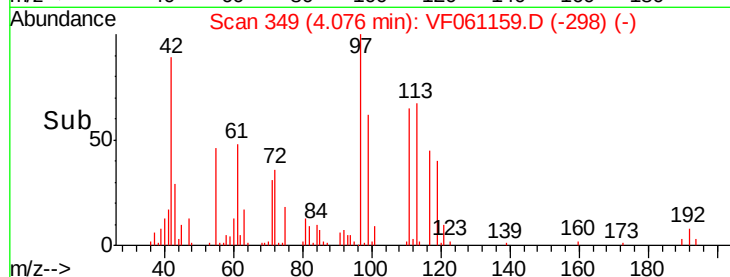
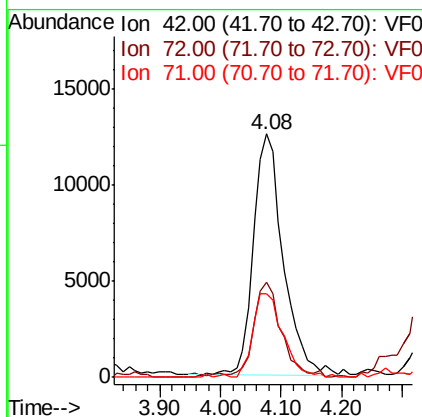
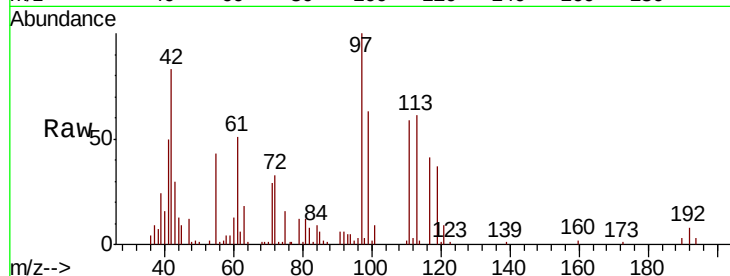
ClientSampleId :

VF1224SBS01

Tot Ion:	42	Resp:	43419
Ion	Ratio	Lower	Upper
42	100		
72	37.2	31.8	47.8
71	34.8	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 18.991 ug/l

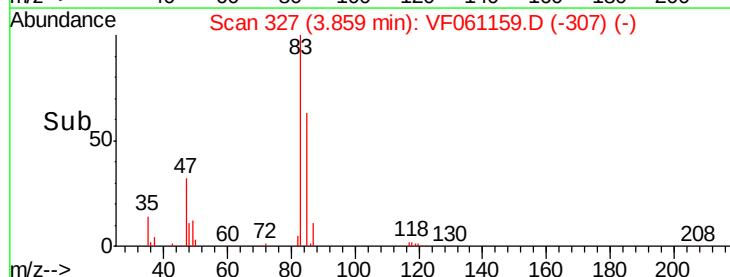
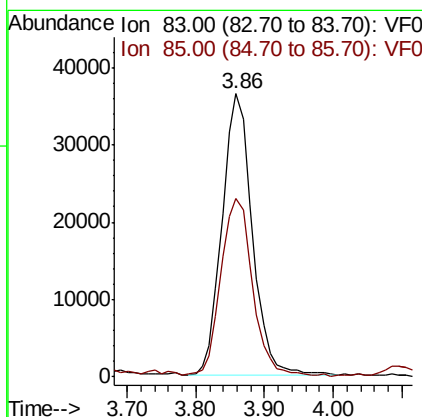
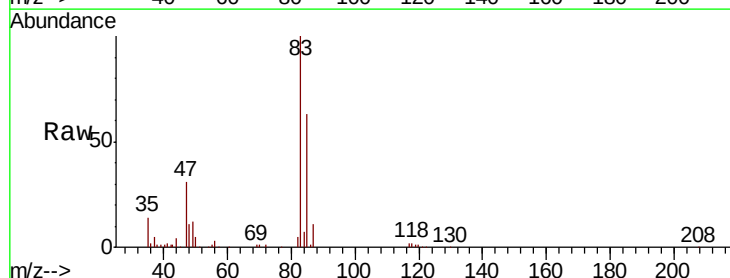
RT: 3.86 min Scan# 327

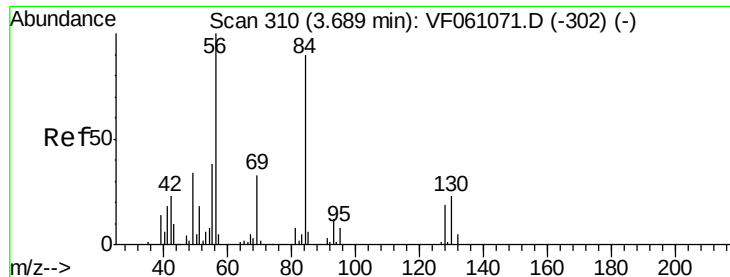
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	83	Resp:	111127
Ion	Ratio	Lower	Upper
83	100		
85	62.9	54.5	81.7





#31

Cyclohexane

Concen: 23.144 ug/l m

RT: 3.68 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

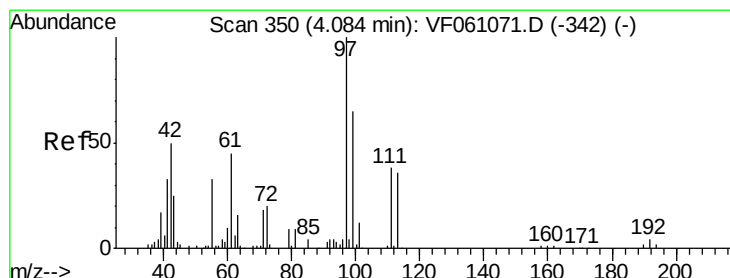
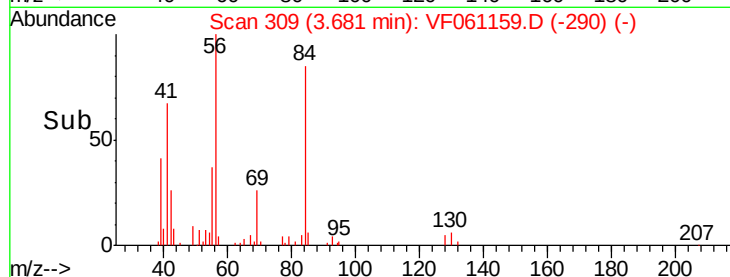
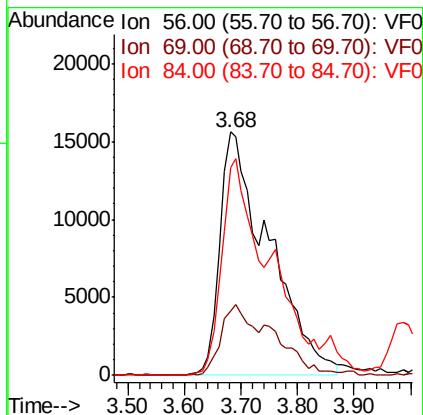
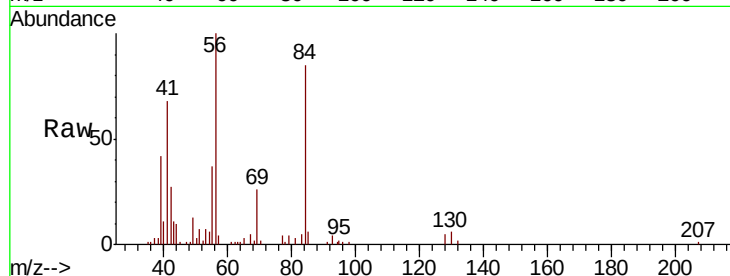
ClientSampleId :

VF1224SBS01

Tot Ion:	56	Resp:	93724
Ion	Ratio	Lower	Upper
56	100		
69	26.2	26.0	39.0
84	85.3	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.448 ug/l

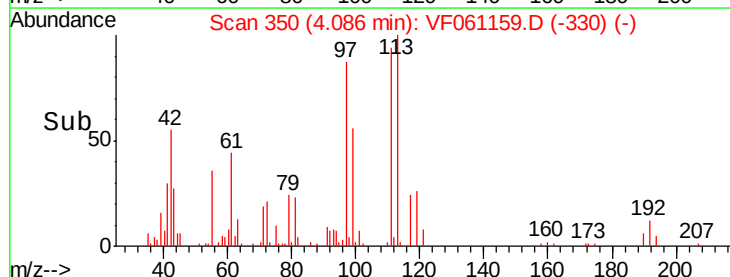
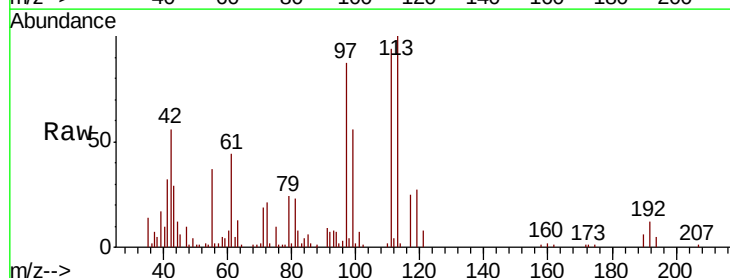
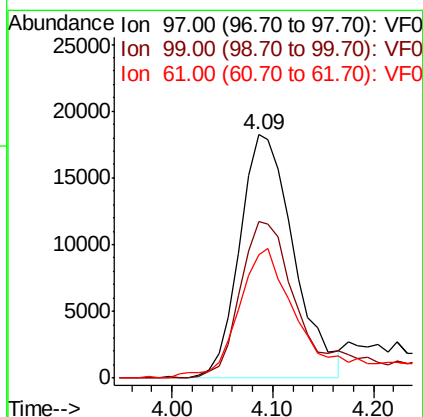
RT: 4.09 min Scan# 350

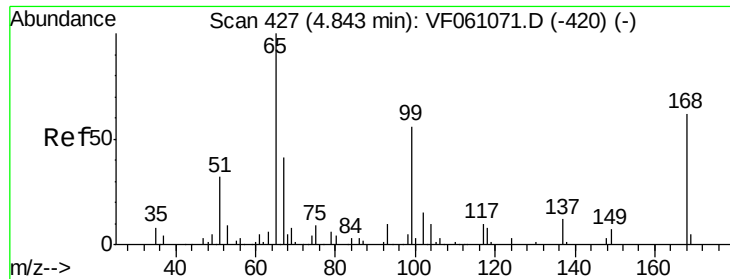
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	97	Resp:	68210
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.6	77.4
61	50.6	36.2	54.2





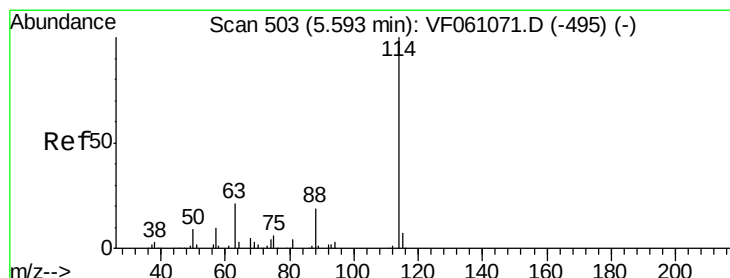
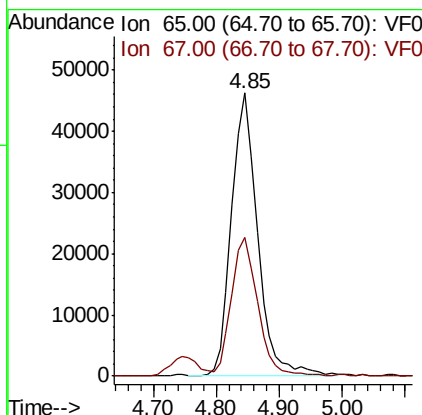
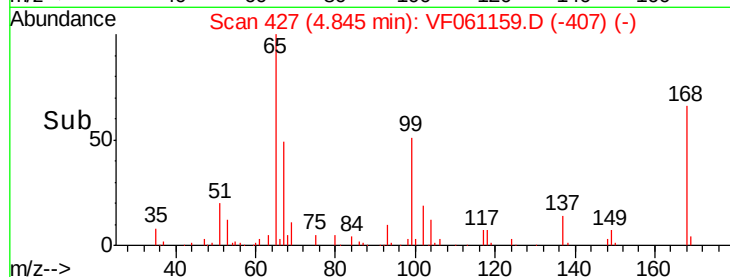
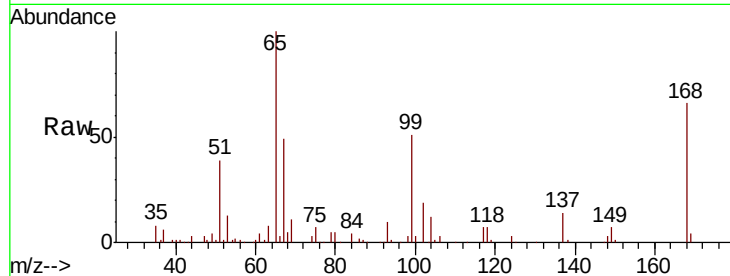
#33
 1,2-Dichloroethane-d4
 Concen: 48.020 ug/l
 RT: 4.85 min Scan# 427
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133133		
67	48.9	0.0	94.6	

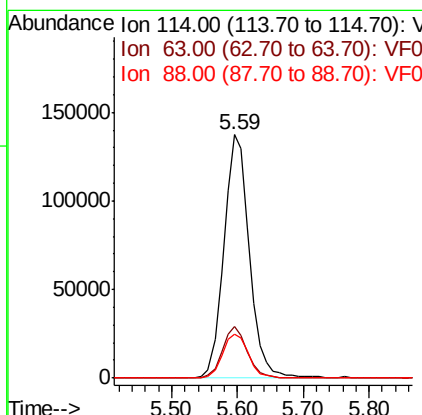
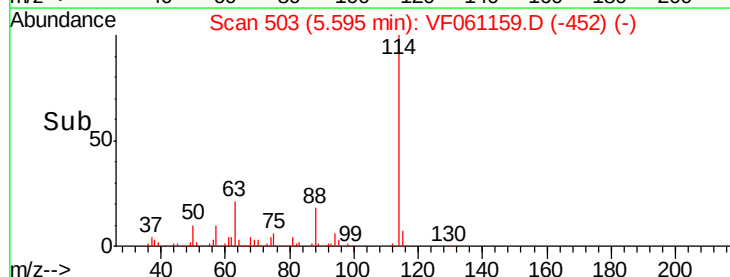
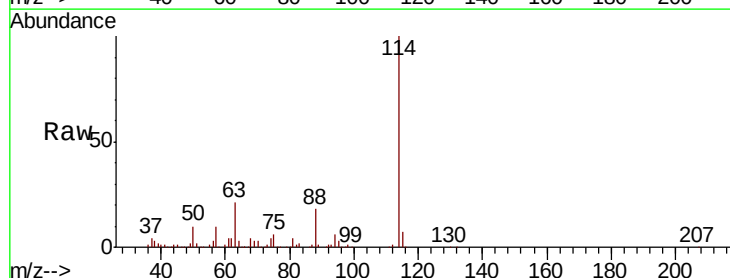
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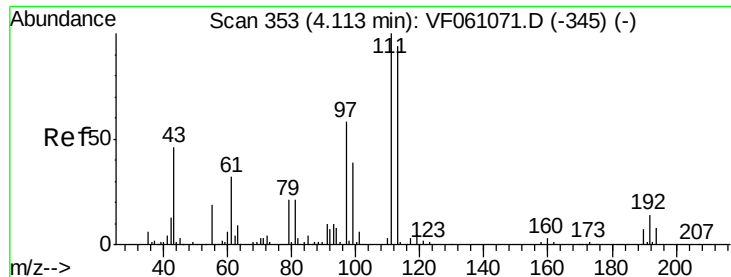
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	372485		
63	21.5	0.0	41.6	
88	18.2	0.0	38.0	





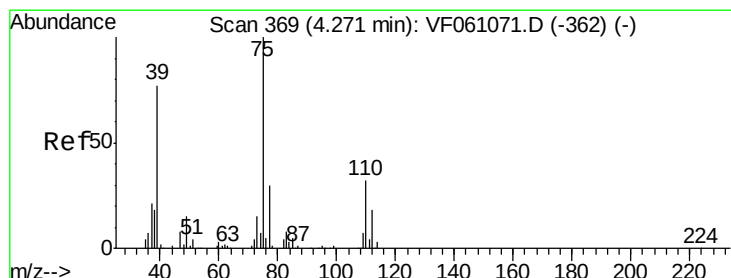
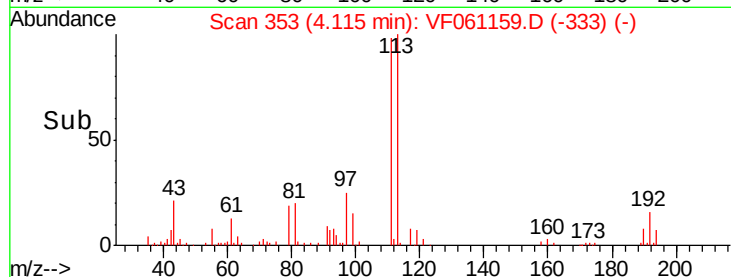
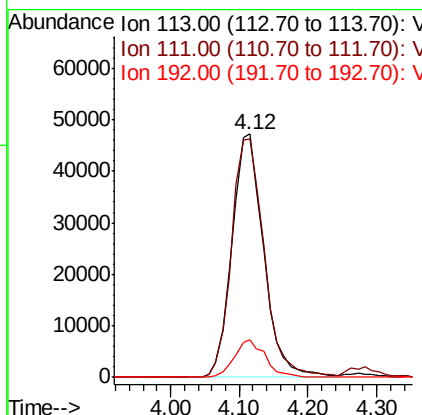
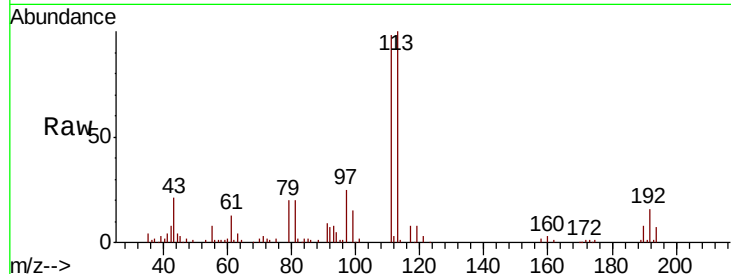
#35
 Dibromofluoromethane
 Concen: 50.591 ug/l
 RT: 4.12 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150955		
111	98.1	85.2	127.8	
192	15.6	12.8	19.2	

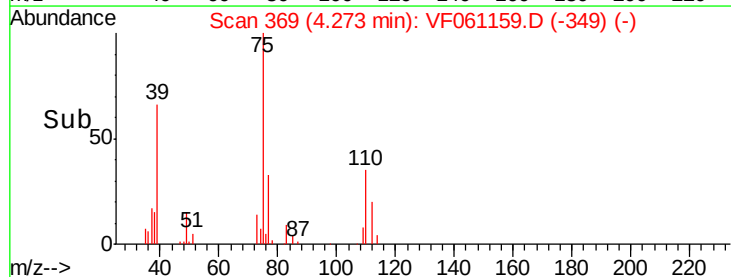
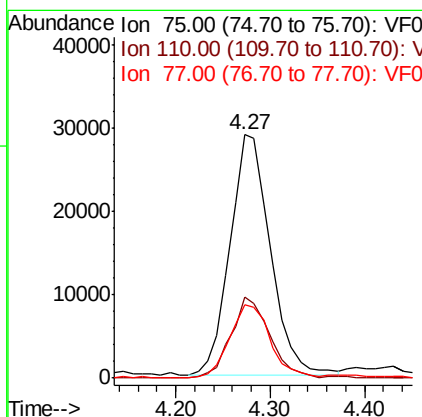
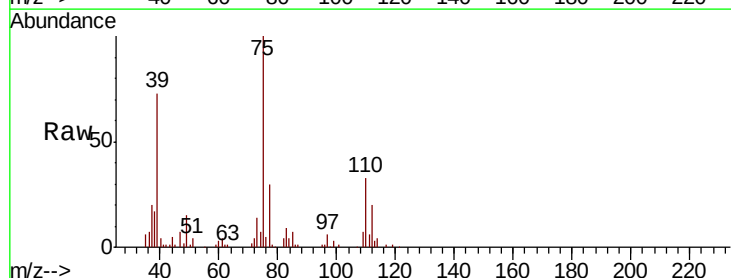
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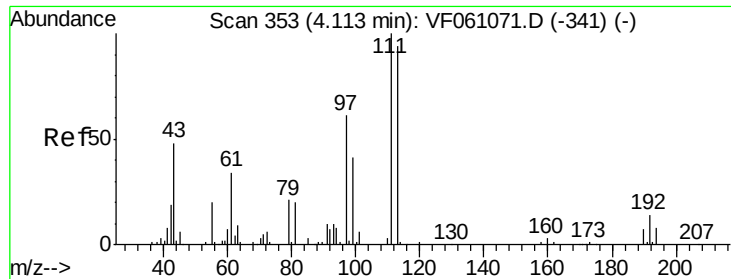
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#36
 1,1-Dichloropropene
 Concen: 19.027 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85547		
110	33.1	16.1	48.2	
77	30.4	24.5	36.7	





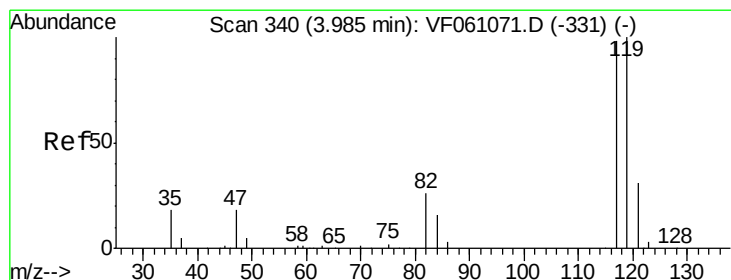
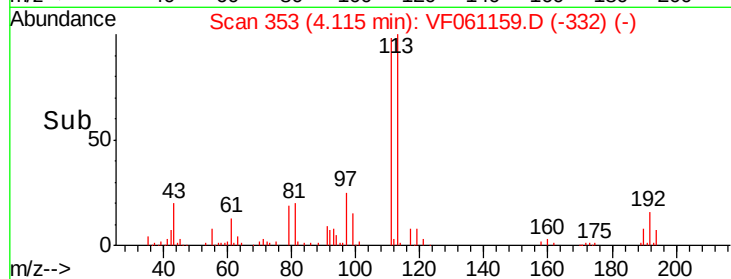
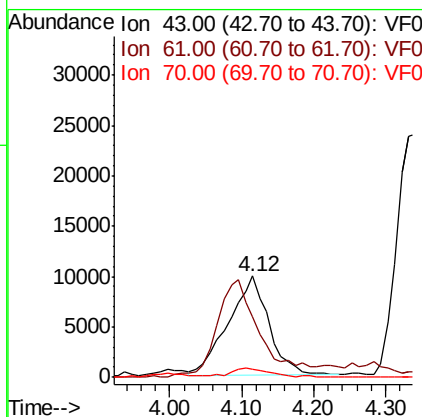
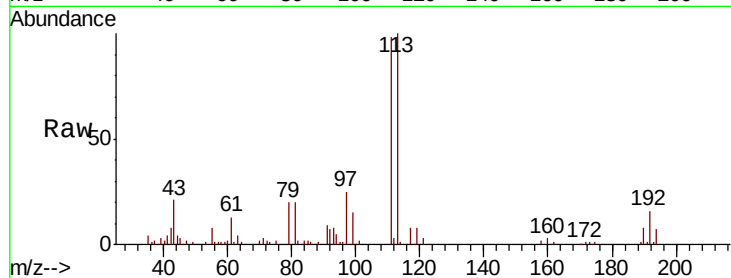
#37
Ethyl Acetate
Concen: 19.747 ug/l
RT: 4.12 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	59.6	56.6	84.8
70	8.0	6.3	9.5

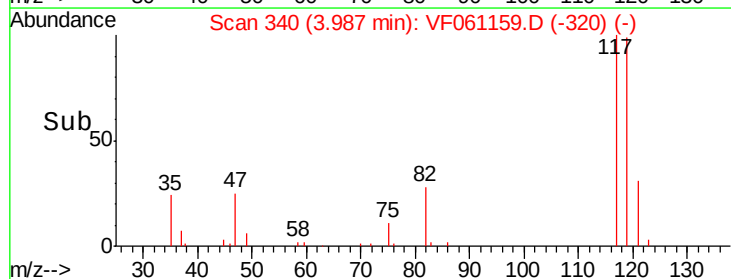
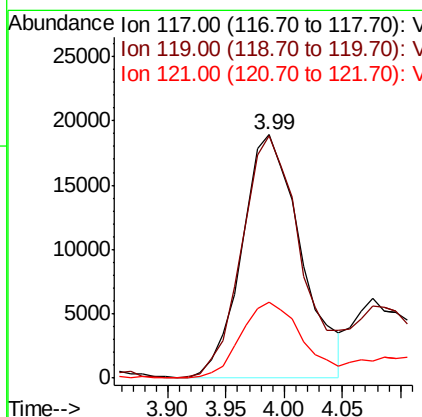
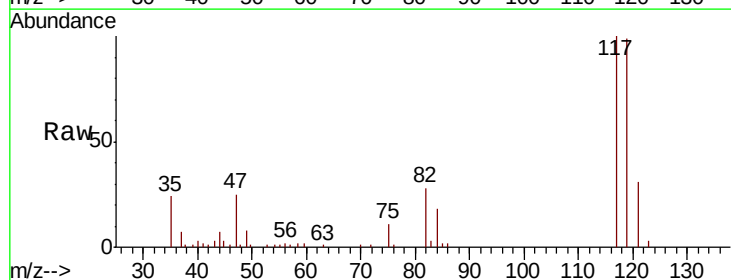
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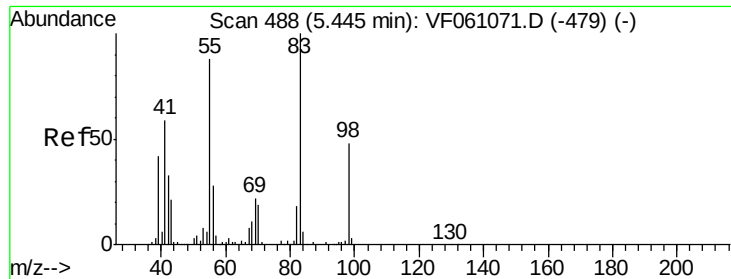
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#38
Carbon Tetrachloride
Concen: 19.480 ug/l
RT: 3.99 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	82.1	123.1
121	31.2	25.5	38.3





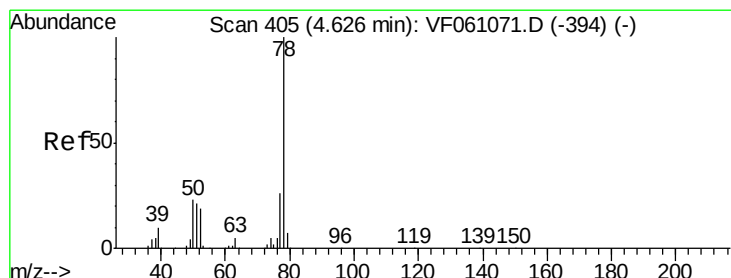
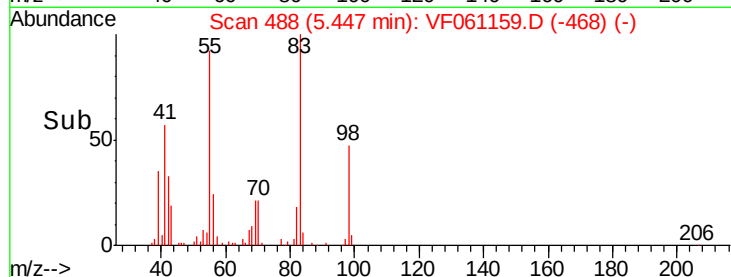
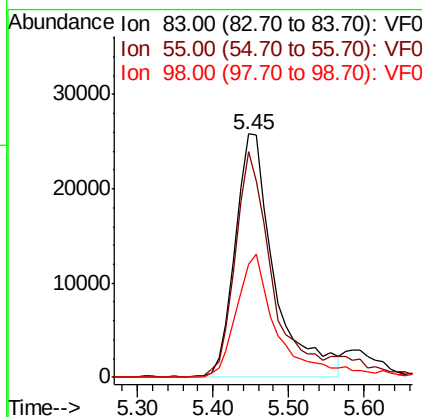
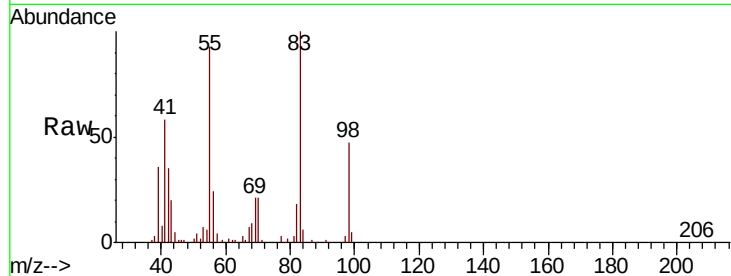
#39
Methylvlcyclohexane
Concen: 23.125 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.6	70.6	105.8
98	46.5	38.5	57.7

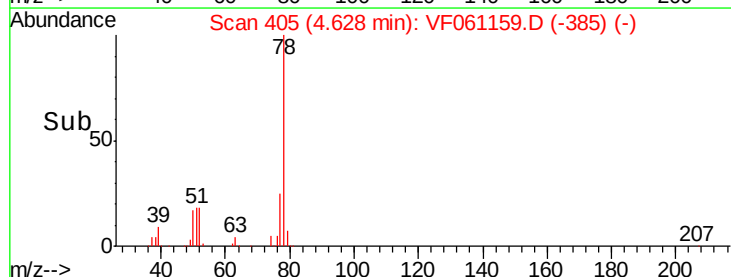
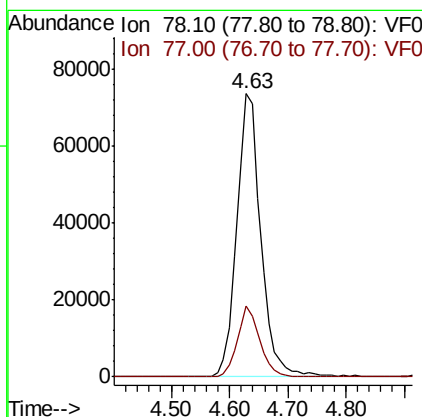
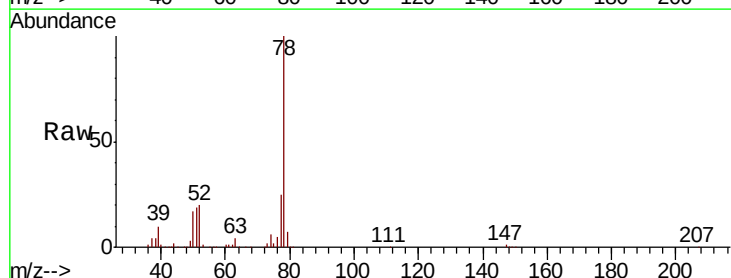
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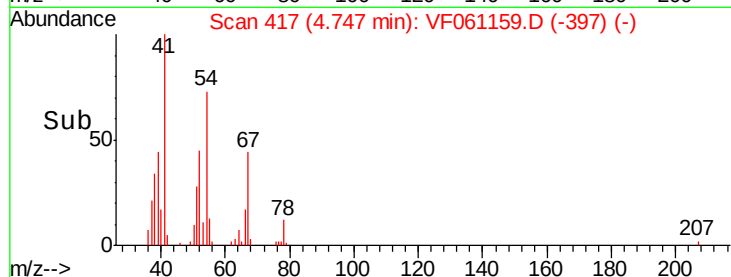
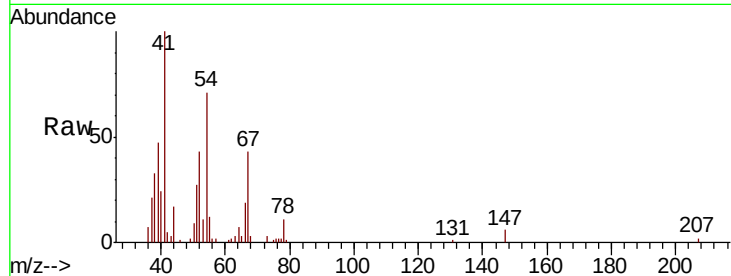
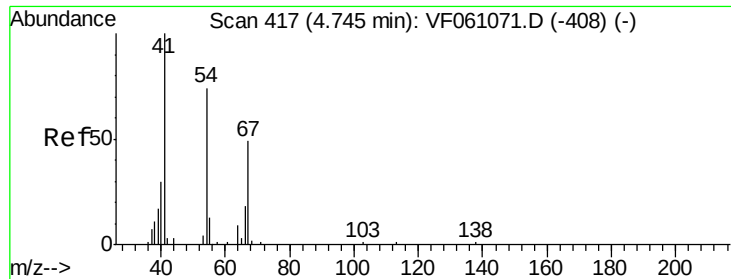
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#40
Benzene
Concen: 21.901 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	20.7	31.1





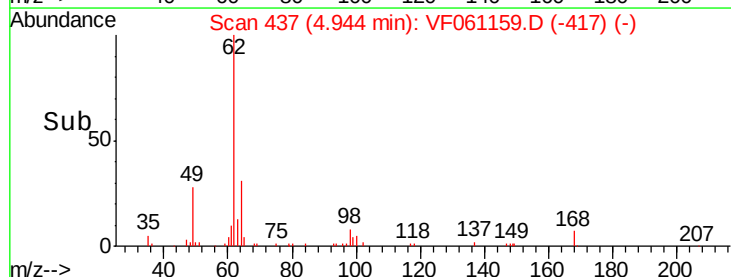
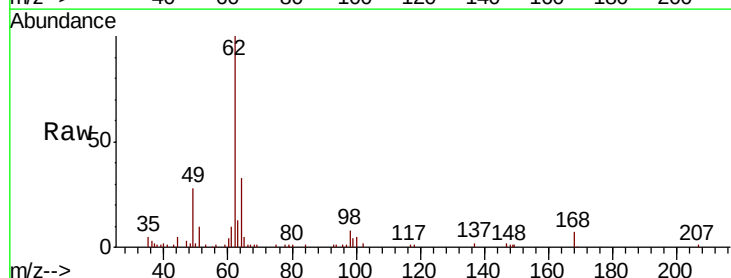
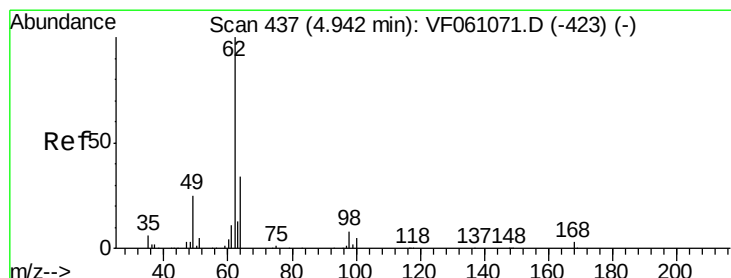
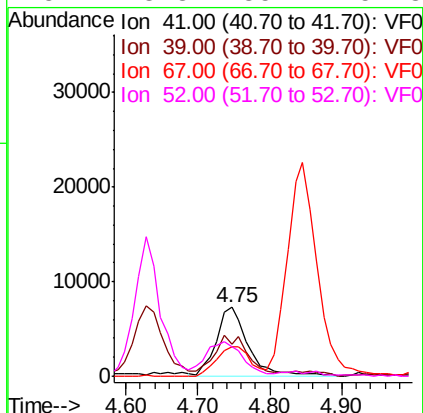
#41
Methacrylonitrile
Concen: 23.709 ug/l
RT: 4.75 min Scan# 417
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tot Ion	41	Resp	22513
Ion Ratio	Lower	Upper	
41	100		
39	46.8	45.7	68.5
67	42.9	38.9	58.3
52	43.3	35.2	52.8

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

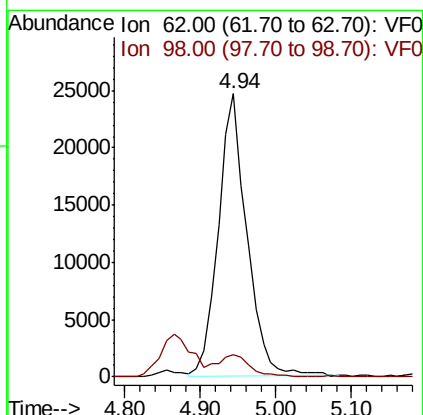
Manual Integrations
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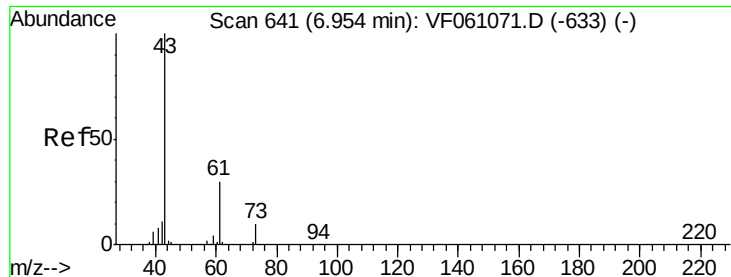
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#42
1,2-Dichloroethane
Concen: 17.515 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	62	Resp	64335
Ion Ratio	Lower	Upper	
62	100		
98	7.7	0.0	16.6





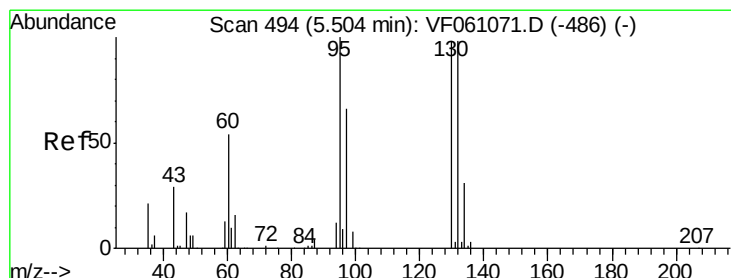
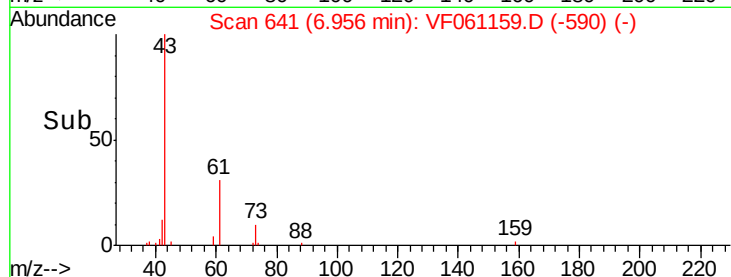
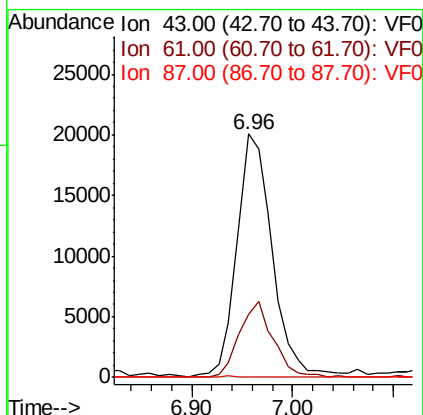
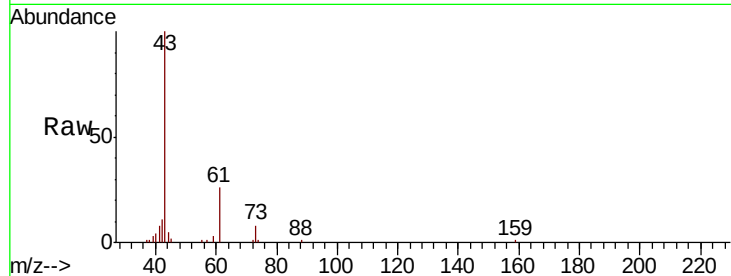
#43
Isopropyl Acetate
Concen: 22.694 ug/l
RT: 6.96 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	23.8	35.8
87	0.0	0.0	0.0

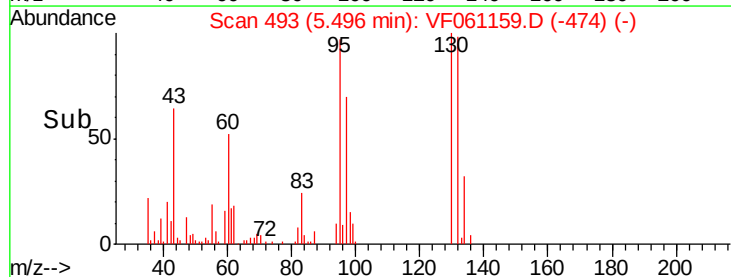
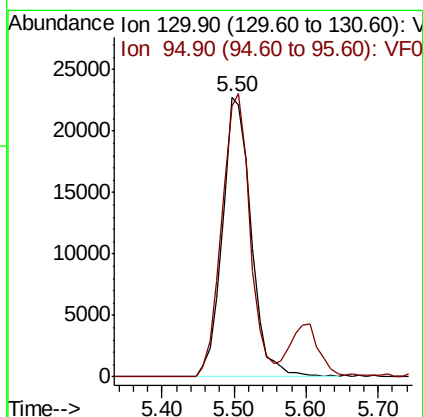
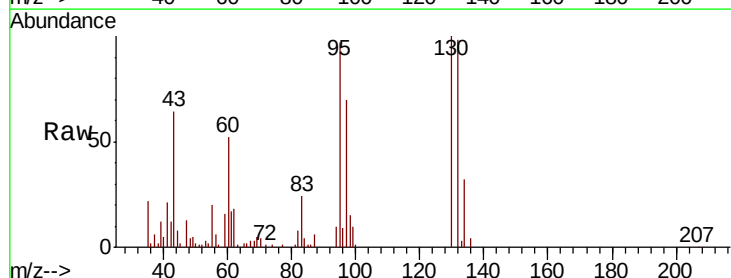
Manual Integrations
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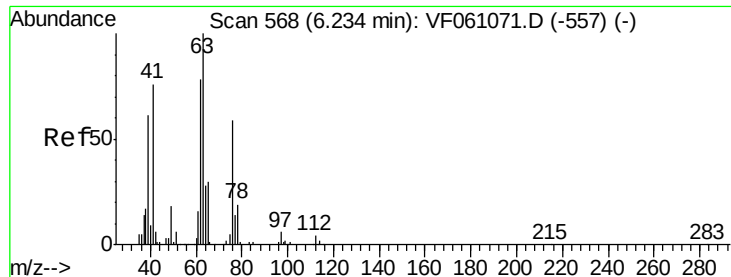
apatel
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#44
Trichloroethene
Concen: 20.601 ug/l
RT: 5.50 min Scan# 493
Delta R.T. -0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	205.2





#45

1,2-Dichloropropane

Concen: 20.631 ug/l

RT: 6.24 min Scan# 568

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 63 Resp: 54271

Ion Ratio Lower Upper

63 100

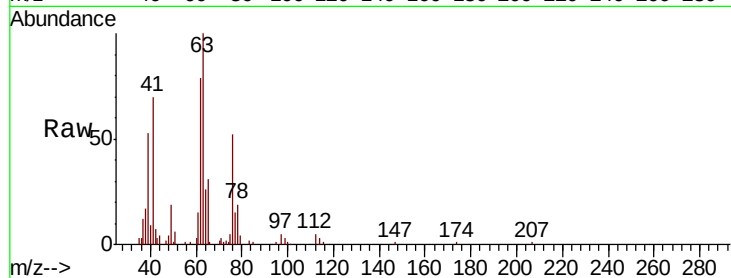
65 30.8 24.4 36.6

Manual Integrations

APPROVED

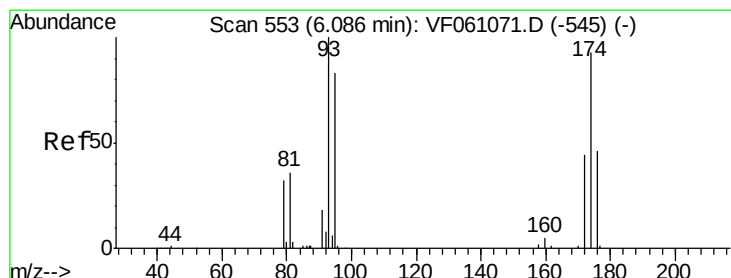
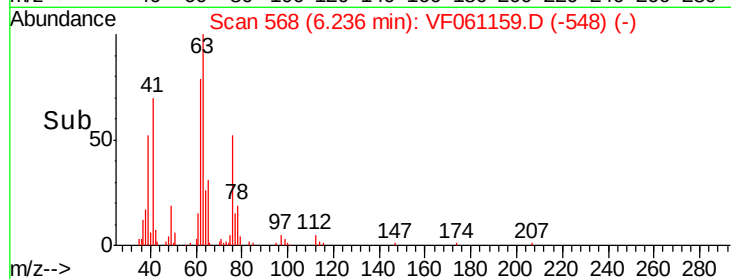
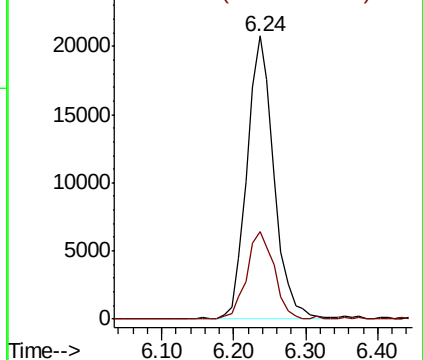
apatel

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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: 19.279 ug/l

RT: 6.09 min Scan# 553

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

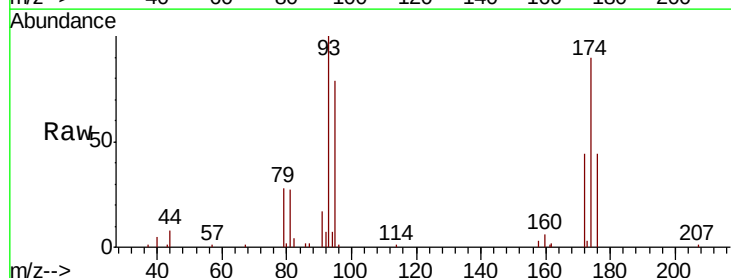
Tgt Ion: 93 Resp: 32894

Ion Ratio Lower Upper

93 100

95 79.3 66.9 100.3

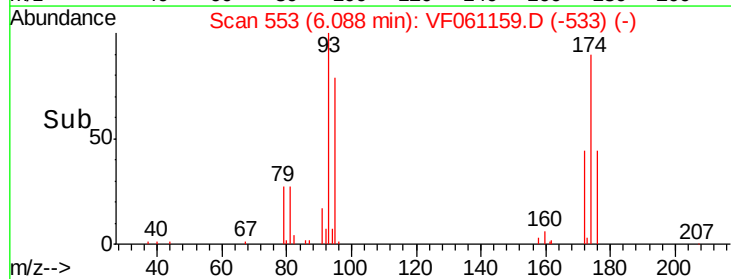
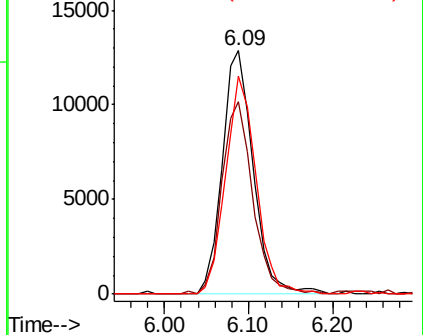
174 89.6 74.1 111.1

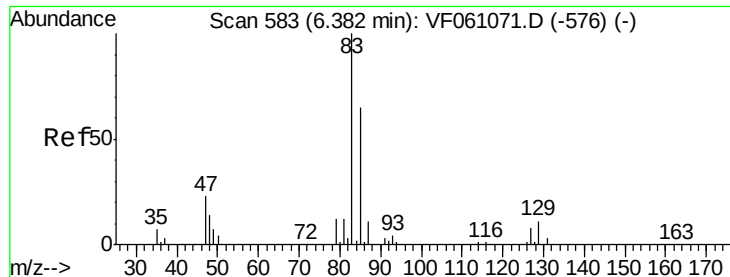


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 19.757 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

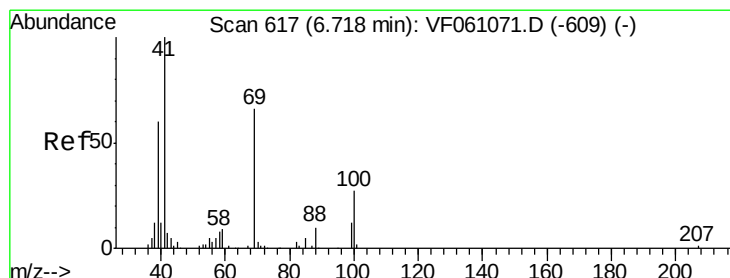
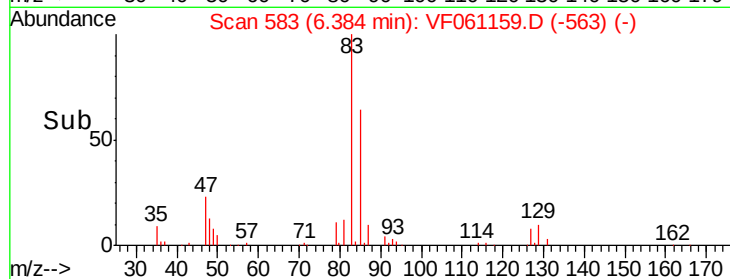
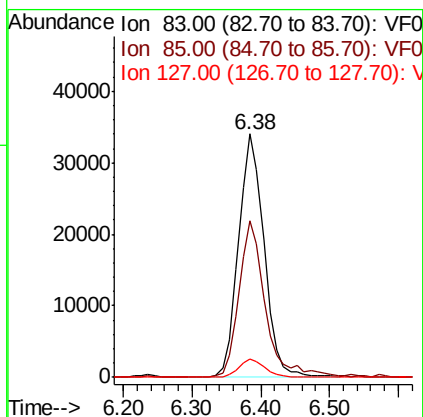
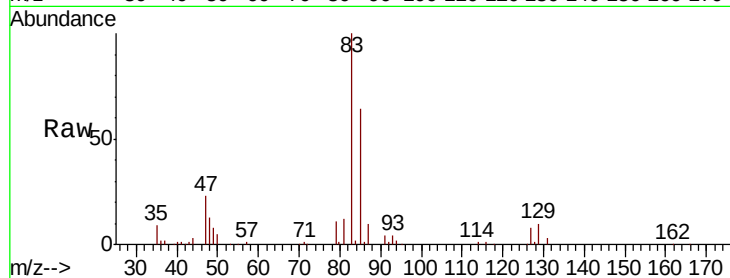
ClientSampleId :

VF1224SBS01

Tot Ion:	83	Resp:	87585
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	7.7	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.594 ug/l

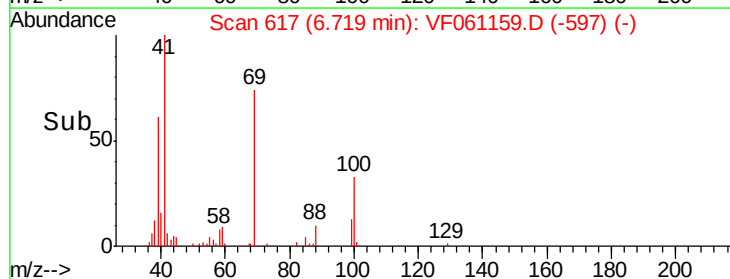
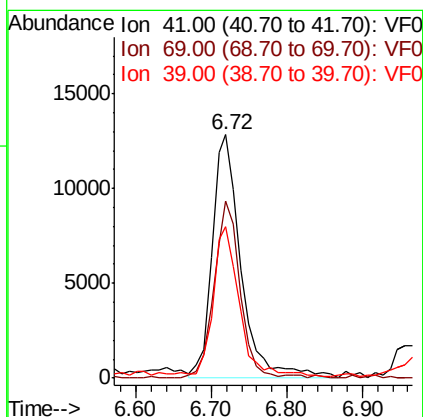
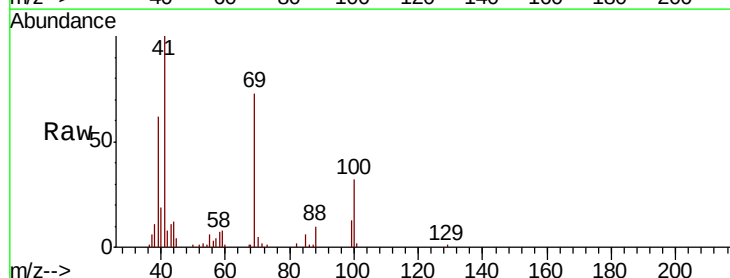
RT: 6.72 min Scan# 617

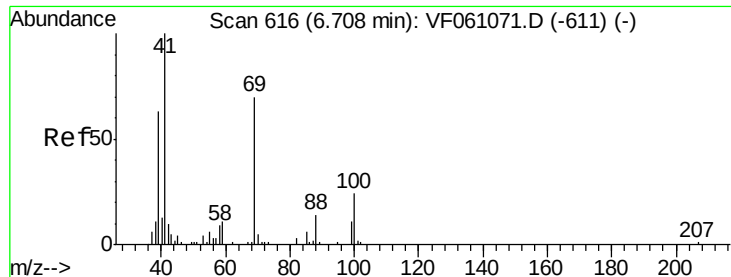
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	41	Resp:	34243
Ion	Ratio	Lower	Upper
41	100		
69	72.8	52.7	79.1
39	62.1	47.8	71.6





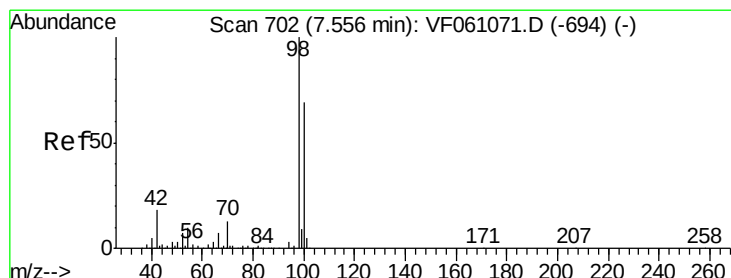
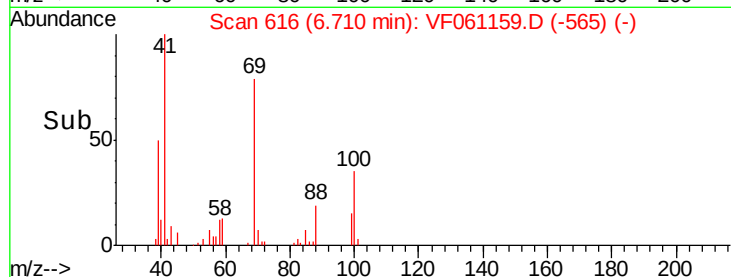
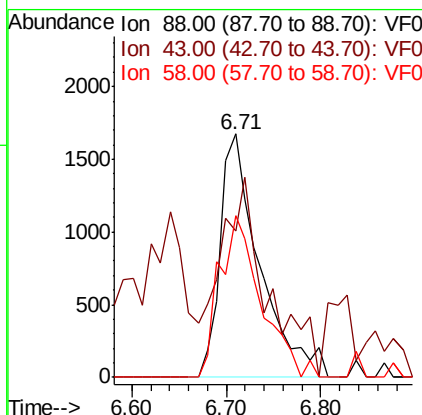
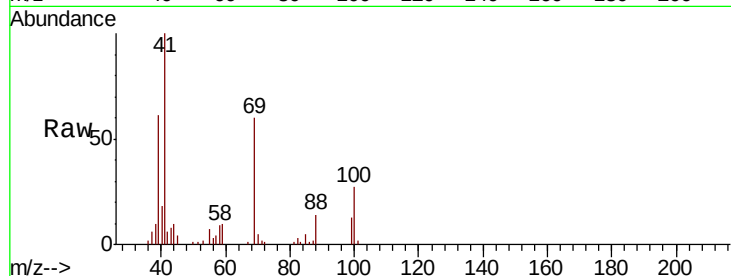
#49
1,4-Dioxane
Concen: 441.214 ug/l
RT: 6.71 min Scan# 616
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.9	33.3	49.9#
58	66.6	53.2	79.8

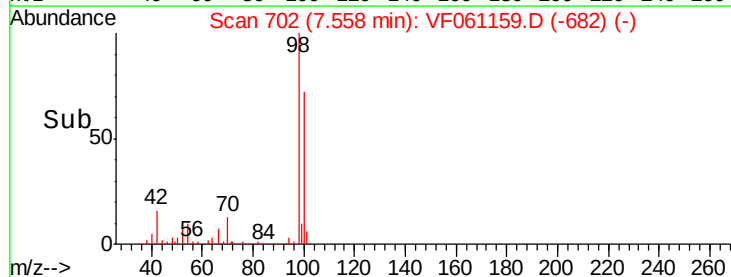
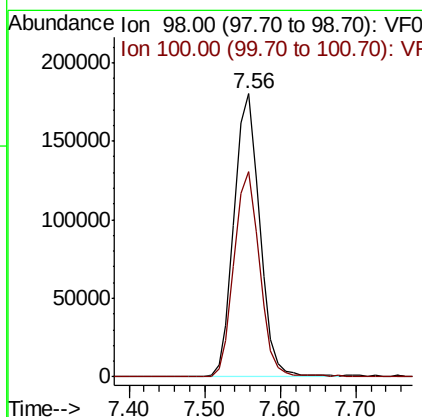
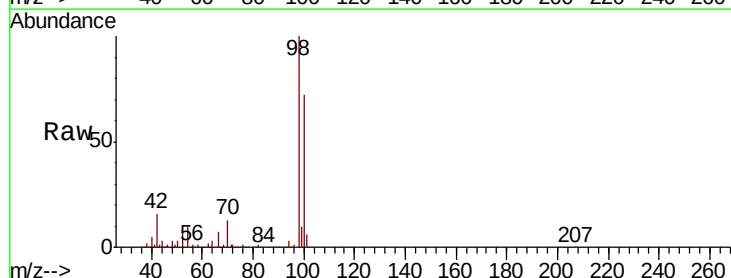
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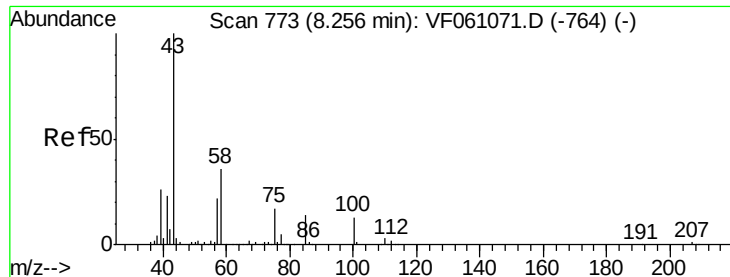
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#50
Toluene-d8
Concen: 50.124 ug/l
RT: 7.56 min Scan# 702
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	72.4	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 113.203 ug/l

RT: 8.26 min Scan# 773

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 43 Resp: 168547

Ion Ratio Lower Upper

43 100

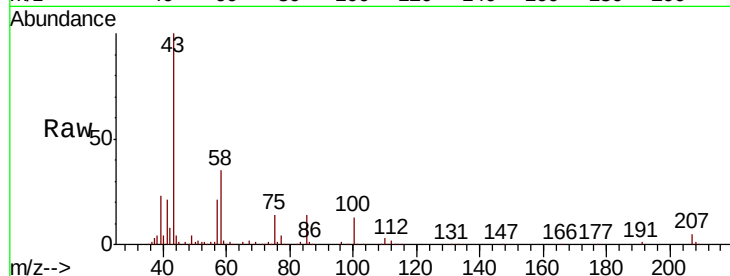
58 35.2 29.1 43.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

60000

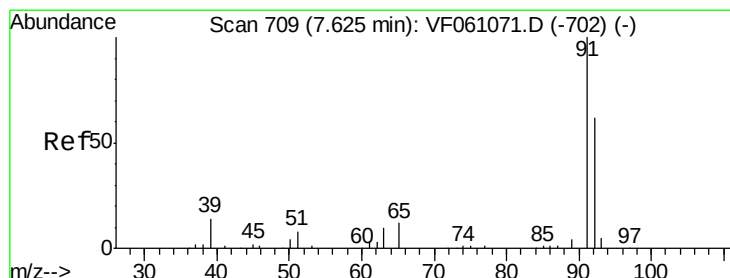
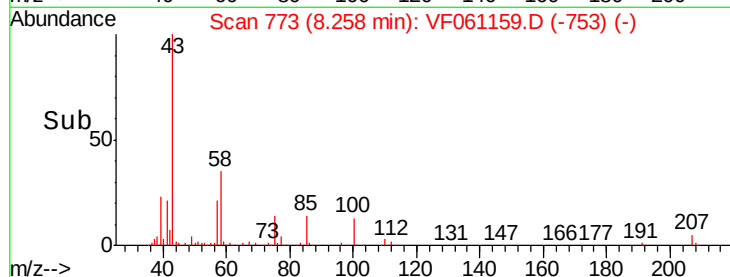
40000

20000

0

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 20.293 ug/l

RT: 7.63 min Scan# 709

Delta R.T. 0.00 min

Lab File: VF061159.D

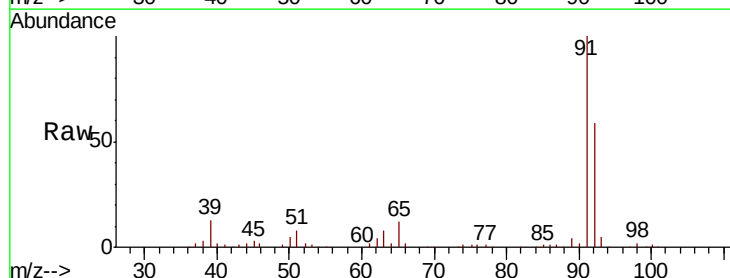
Acq: 24 Dec 2018 12:19

Tgt Ion: 92 Resp: 129880

Ion Ratio Lower Upper

92 100

91 168.2 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.63

100000

80000

60000

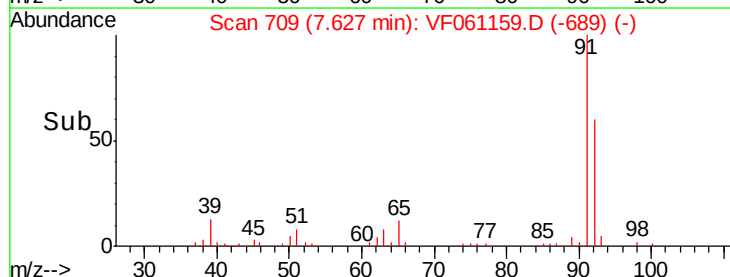
40000

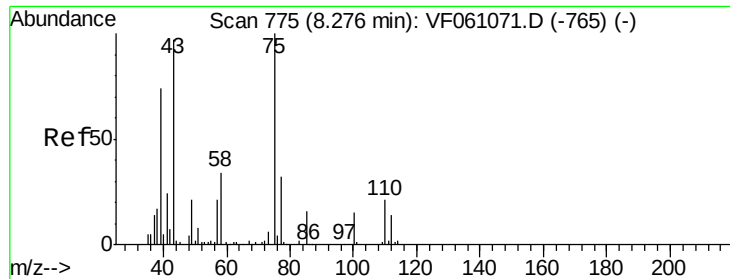
20000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.817 ug/l

RT: 8.28 min Scan# 775

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 75 Resp: 74447

Ion Ratio Lower Upper

75 100

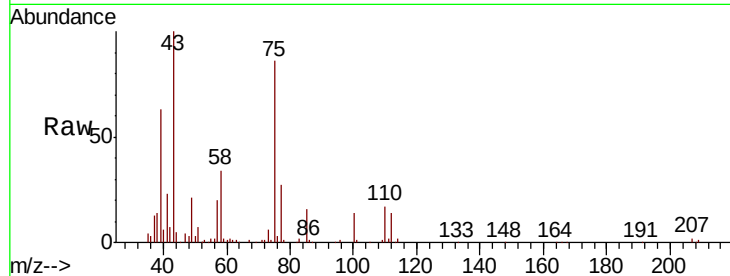
77 31.3 25.8 38.8

Manual Integrations

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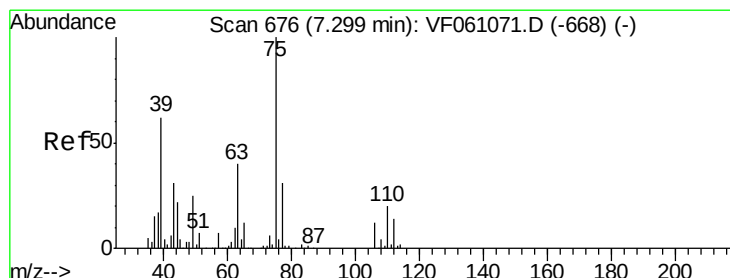
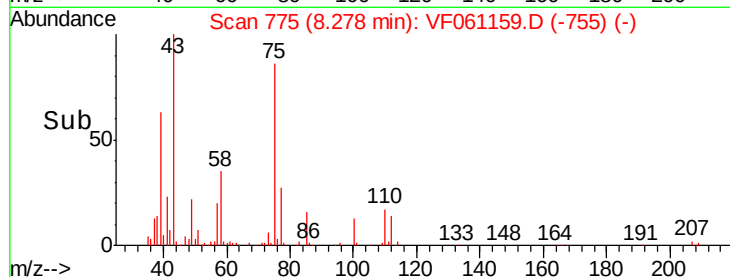
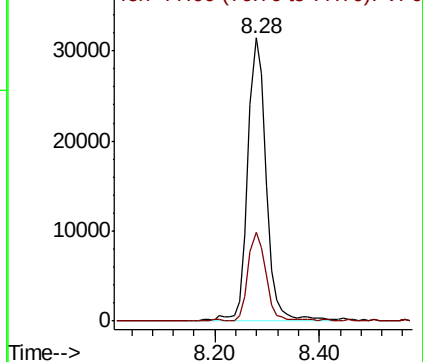
apatel

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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: 20.339 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

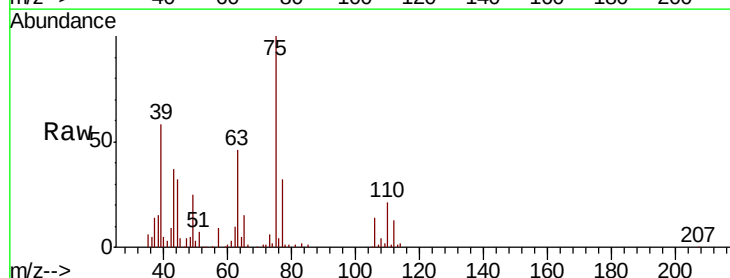
Tgt Ion: 75 Resp: 91291

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

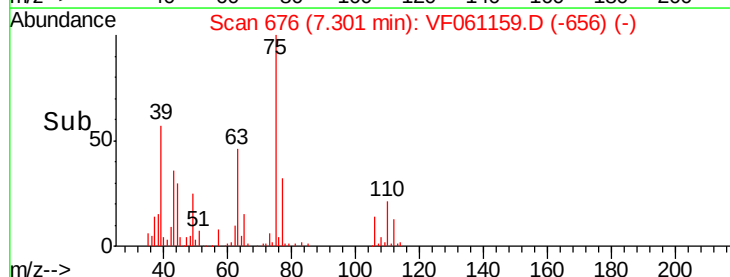
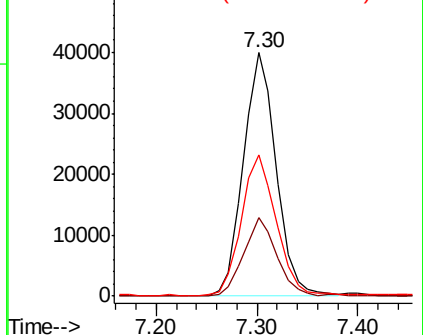
39 57.9 50.1 75.1

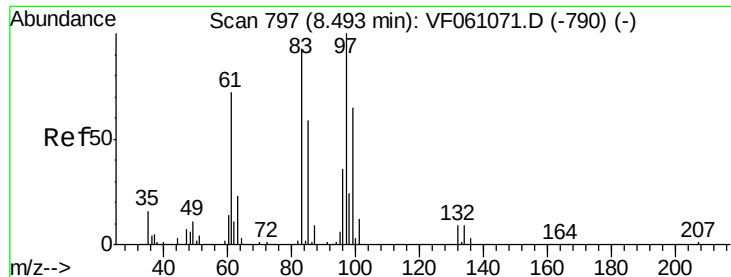


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 19.980 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

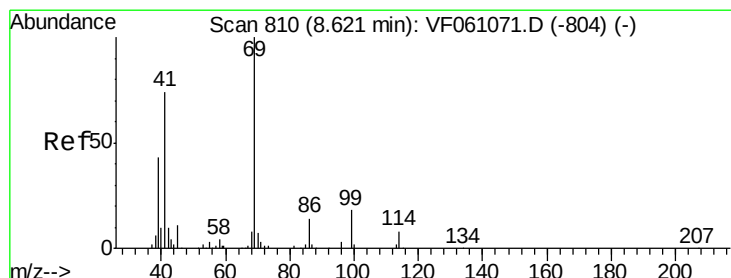
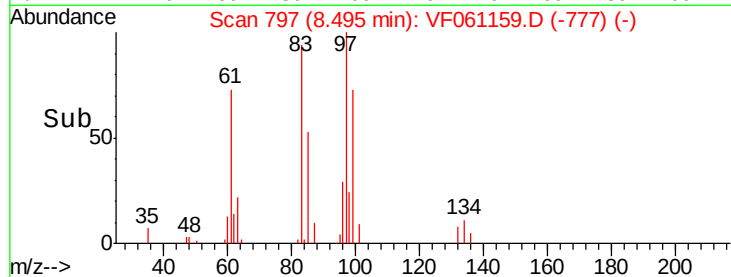
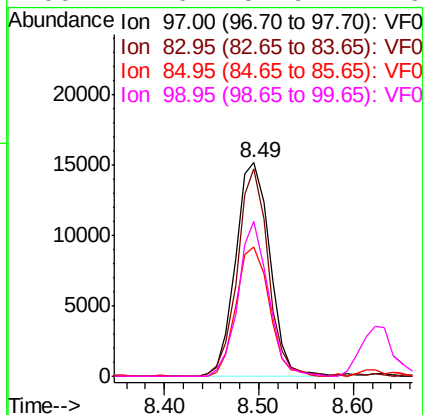
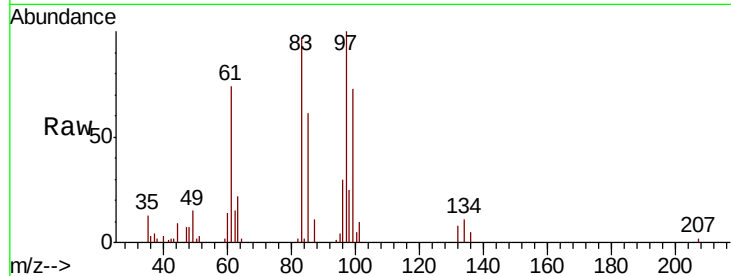
ClientSampleId :

VF1224SBS01

Tot Ion:	97	Resp:	38337
Ion	Ratio	Lower	Upper
97	100		
83	96.9	75.0	112.4
85	60.8	47.5	71.3
99	72.6	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 22.031 ug/l

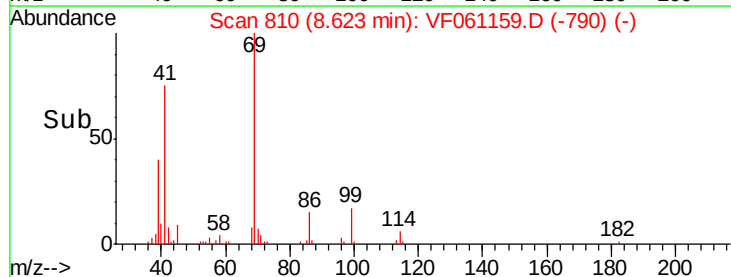
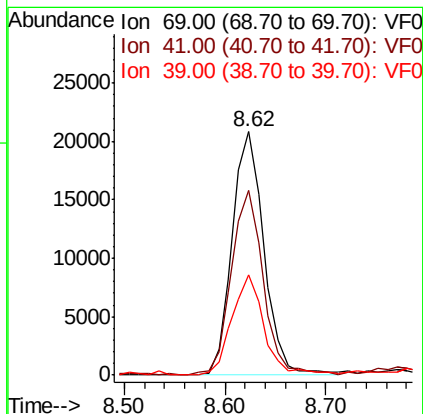
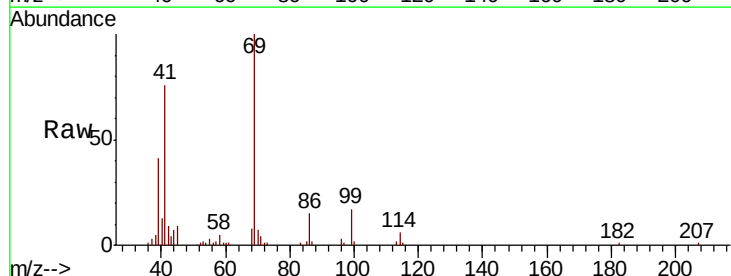
RT: 8.62 min Scan# 810

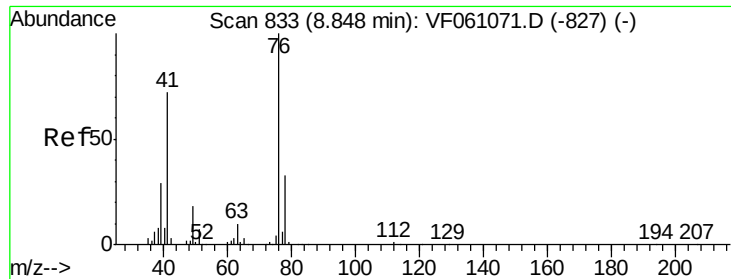
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	69	Resp:	45742
Ion	Ratio	Lower	Upper
69	100		
41	75.9	59.7	89.5
39	41.0	35.0	52.6





#57

1,3-Dichloropropane

Concen: 20.703 ug/l

RT: 8.86 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 76 Resp: 71845

Ion Ratio Lower Upper

76 100

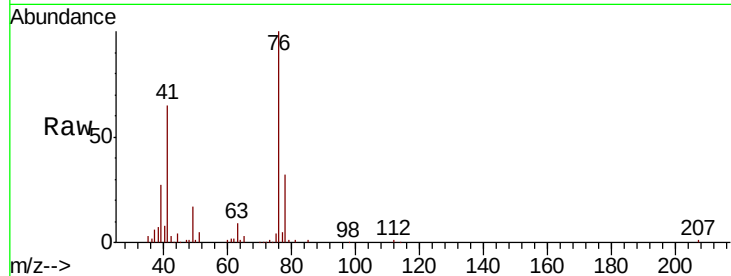
78 31.7 26.5 39.7

Manual Integrations

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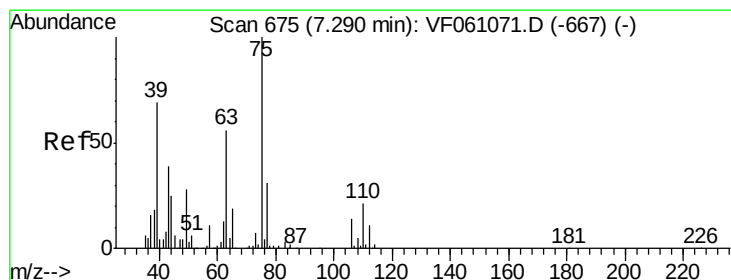
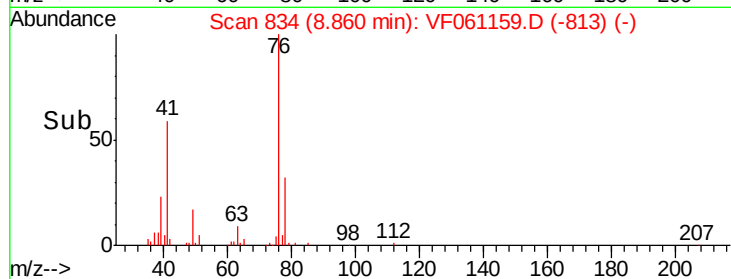
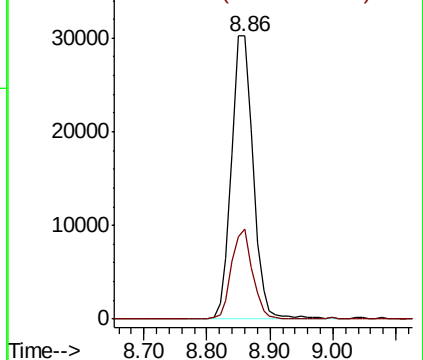
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 113.291 ug/l

RT: 7.29 min Scan# 675

Delta R.T. 0.00 min

Lab File: VF061159.D

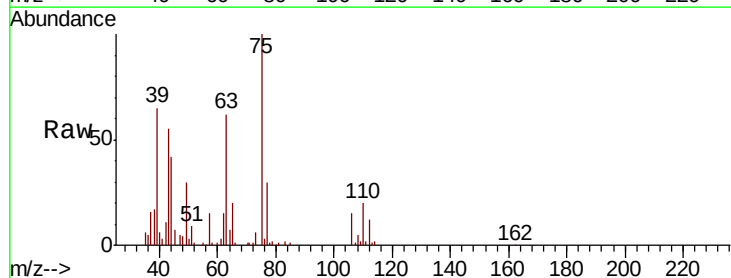
Acq: 24 Dec 2018 12:19

Tgt Ion: 63 Resp: 45175

Ion Ratio Lower Upper

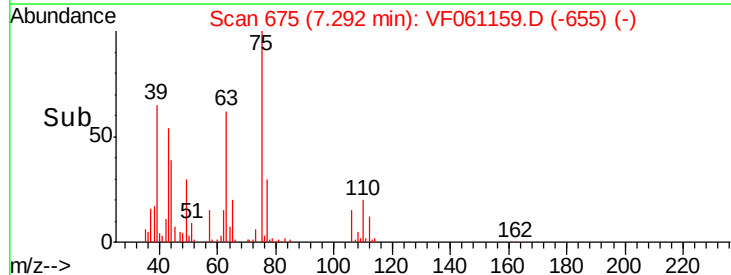
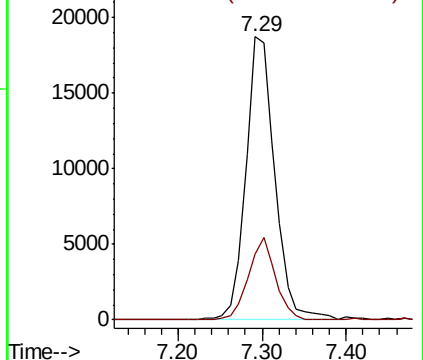
63 100

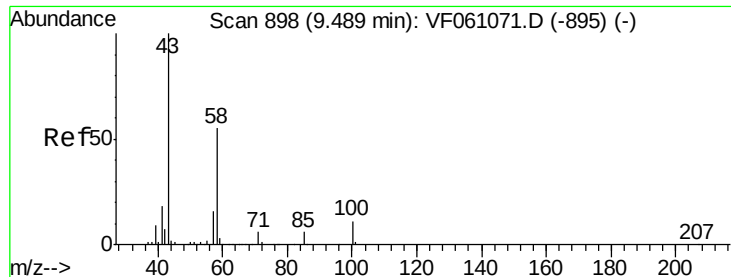
106 23.2 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





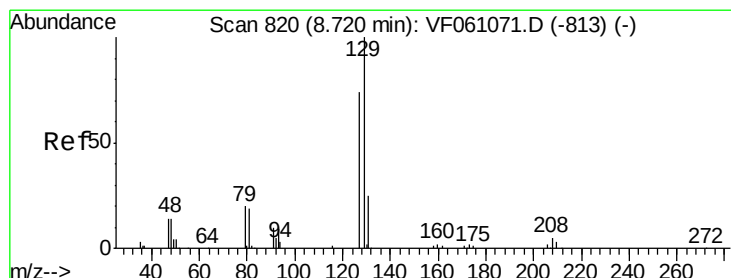
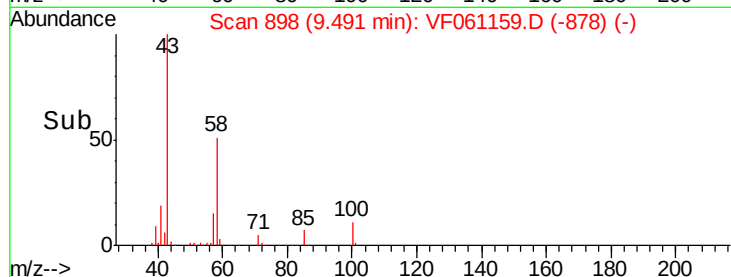
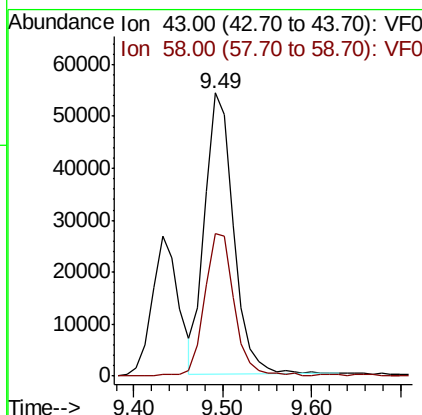
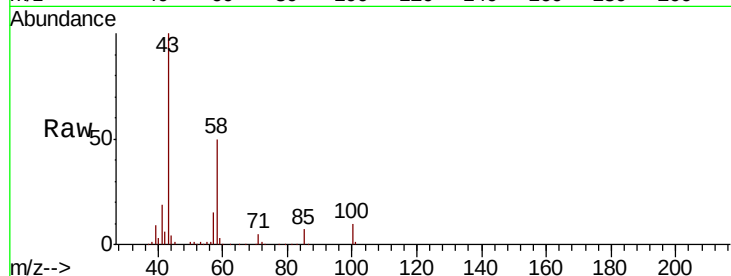
#59
2-Hexanone
Concen: 112.543 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion: 43 Resp: 121179
Ion Ratio Lower Upper
43 100
58 50.4 25.1 75.2

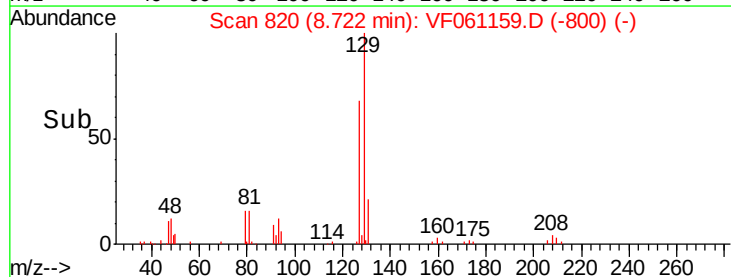
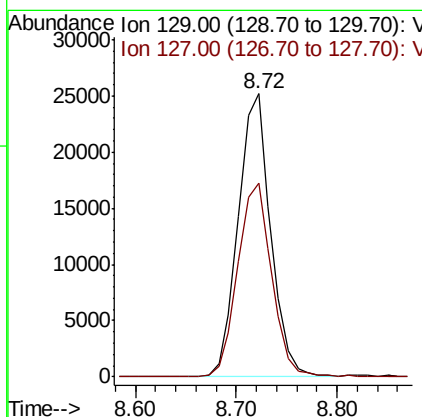
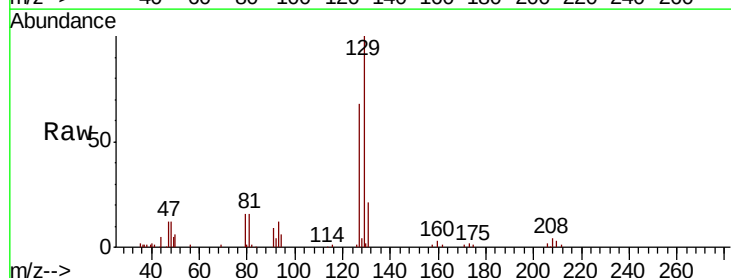
Manual Integrations
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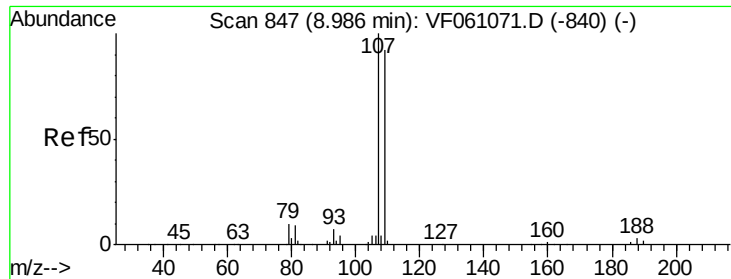
apatel
12/27/2018 12:57:35 PM



#60
Dibromochloromethane
Concen: 20.586 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 129 Resp: 56620
Ion Ratio Lower Upper
129 100
127 68.4 36.8 110.3





#61

1,2-Dibromoethane

Concen: 19.165 ug/l

RT: 8.99 min Scan# 847

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion: 107 Resp: 39273

Ion Ratio Lower Upper

107 100

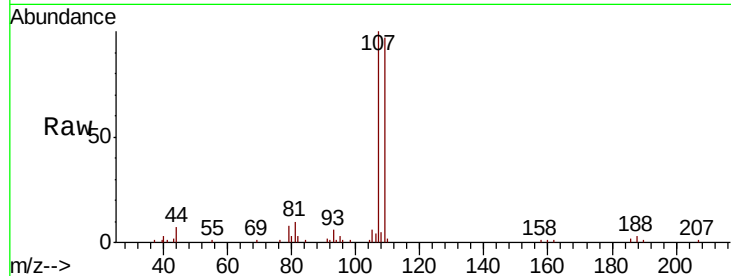
109 97.2 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

20000

15000

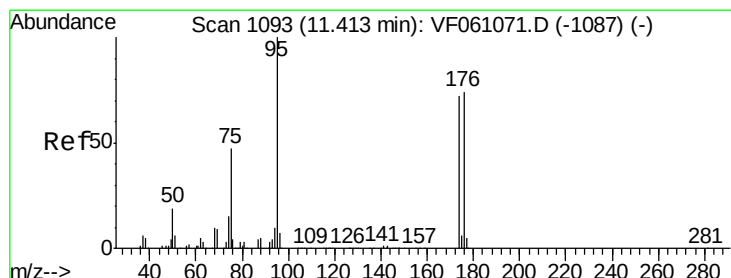
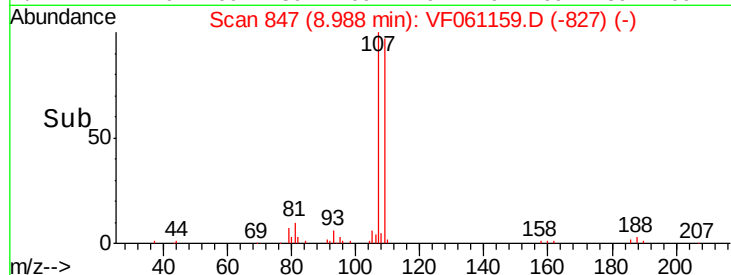
10000

5000

0

8.90 9.00 9.10

Time-->



#62

4-Bromofluorobenzene

Concen: 50.387 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

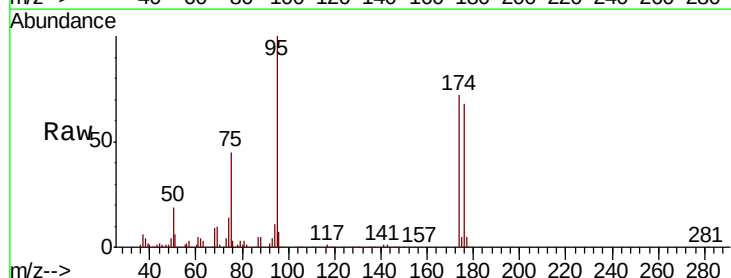
Tgt Ion: 95 Resp: 196420

Ion Ratio Lower Upper

95 100

174 71.7 0.0 143.8

176 68.3 0.0 147.6



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

150000

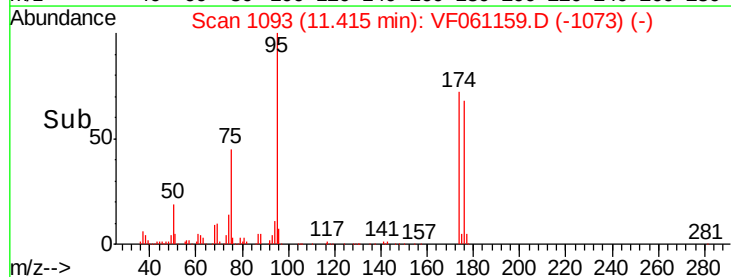
100000

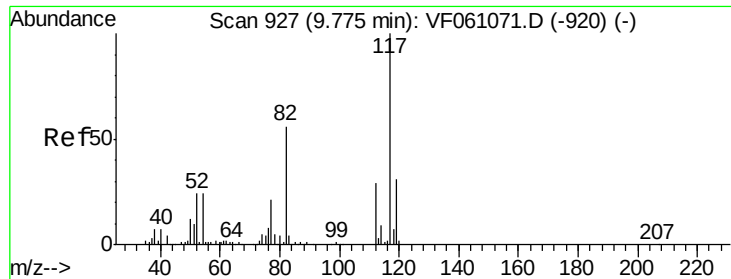
50000

0

11.30 11.40 11.50 11.60

Time-->





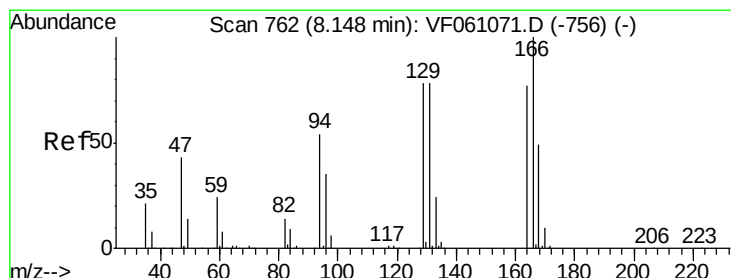
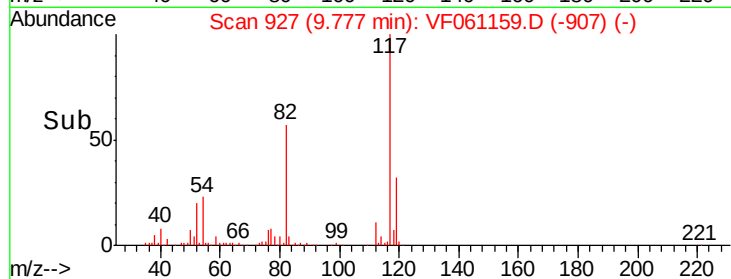
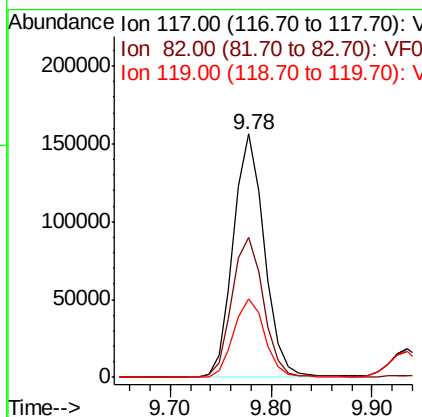
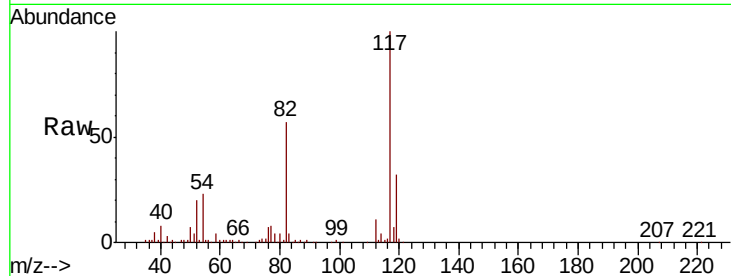
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.0	67.4
119	32.0	24.8	37.2

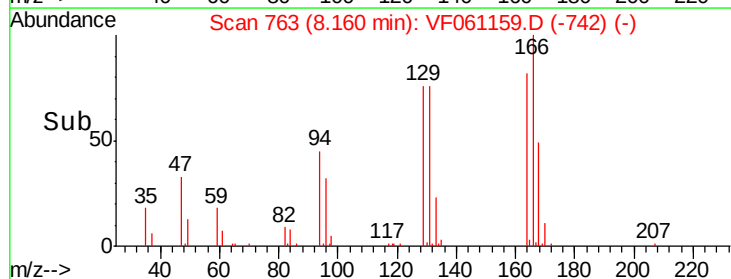
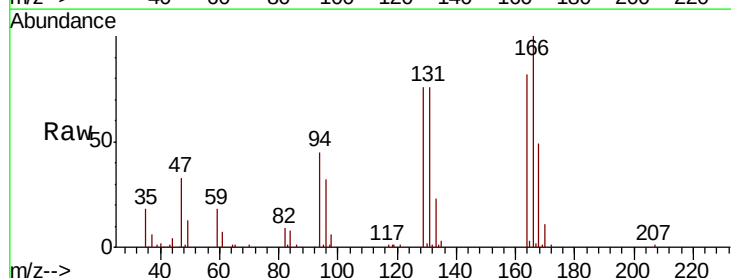
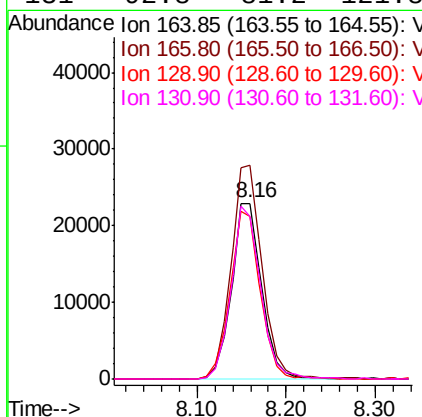
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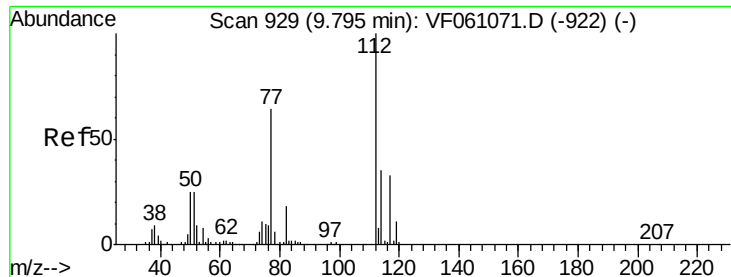
apatel
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#64
Tetrachloroethene
Concen: 20.860 ug/l
RT: 8.16 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	104.0	156.0
129	92.4	81.1	121.7
131	92.8	81.2	121.8





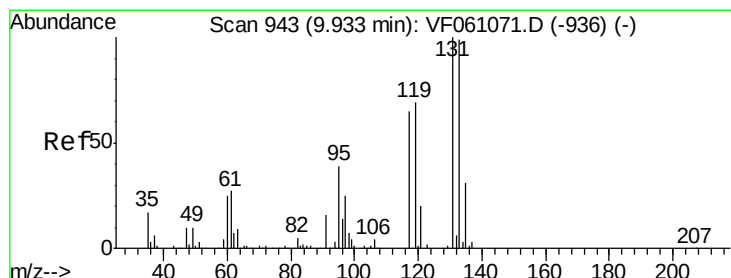
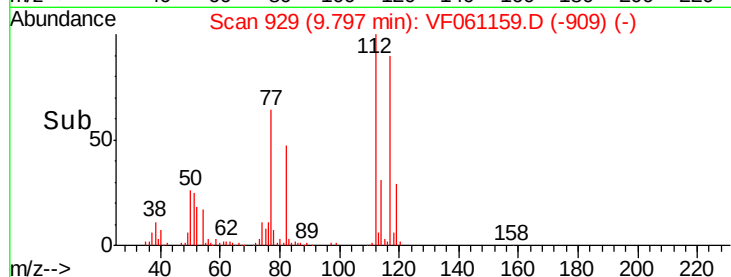
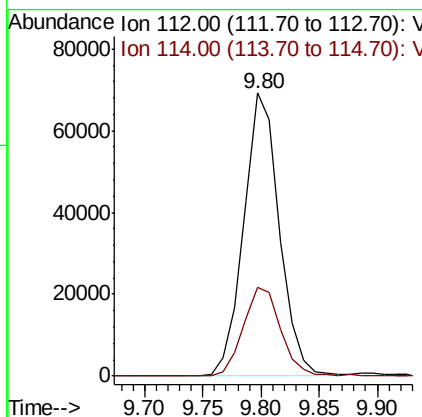
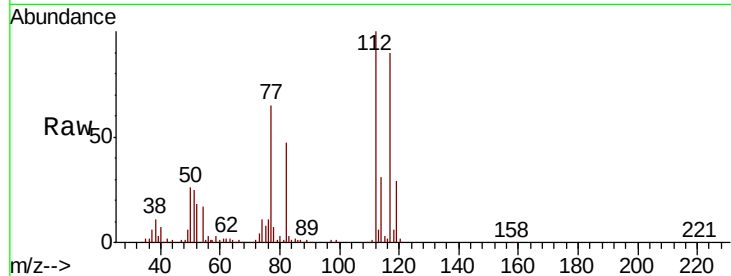
#65
Chlorobenzene
Concen: 21.146 ug/l
RT: 9.80 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	147106		
114	31.4	27.8	41.6	

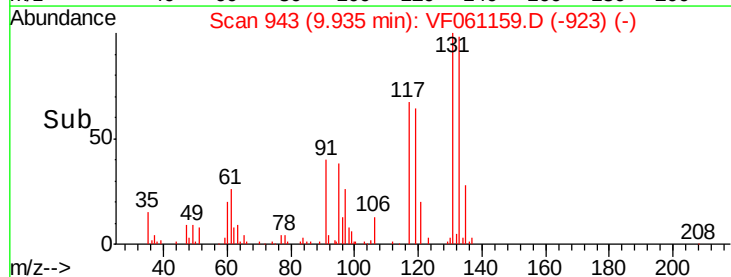
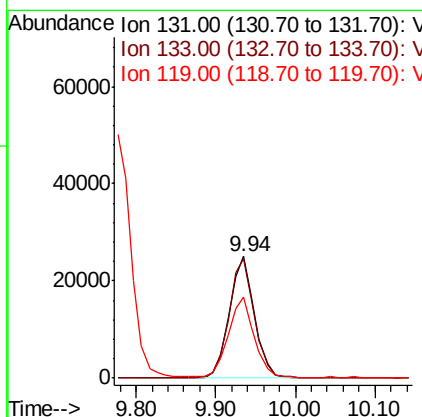
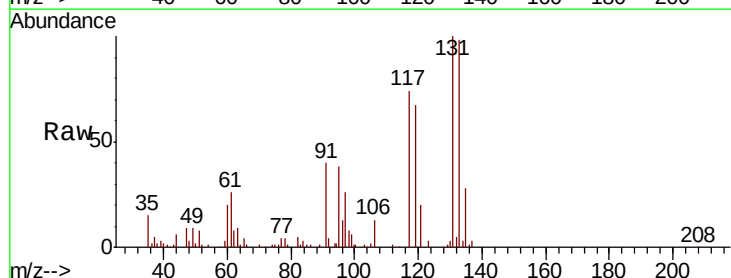
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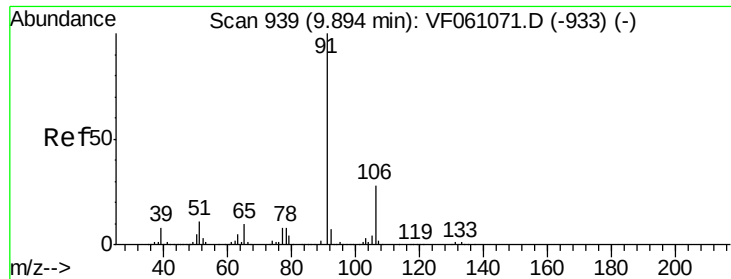
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.349 ug/l
RT: 9.94 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	55009		
133	98.3	49.5	148.7	
119	66.9	34.5	103.5	





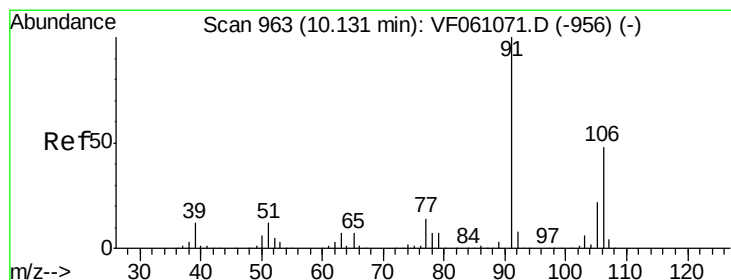
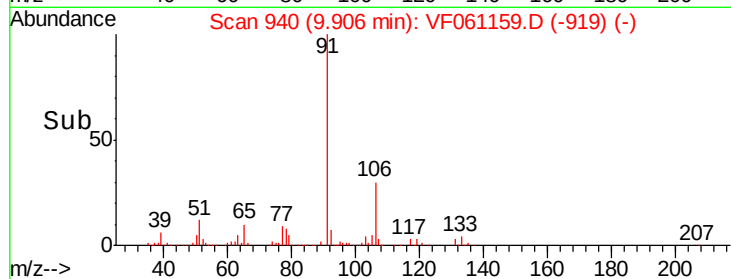
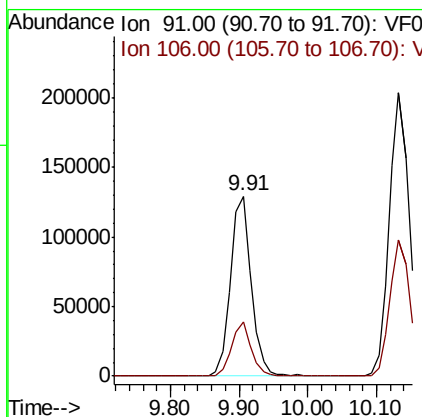
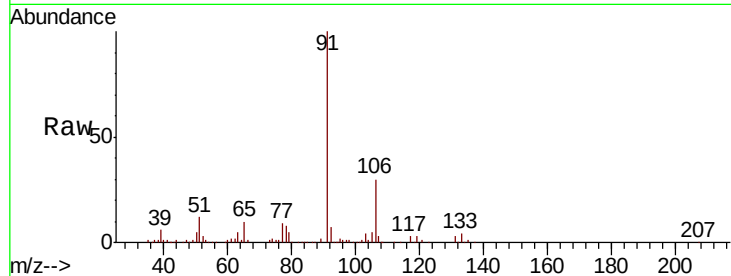
#67
Ethyl Benzene
Concen: 21.307 ug/l
RT: 9.91 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion: 91 Resp: 270036
Ion Ratio Lower Upper
91 100
106 29.9 22.5 33.7

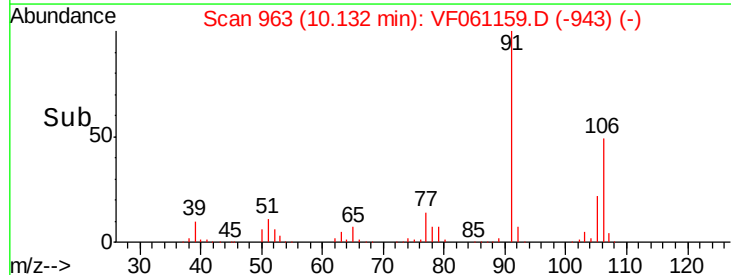
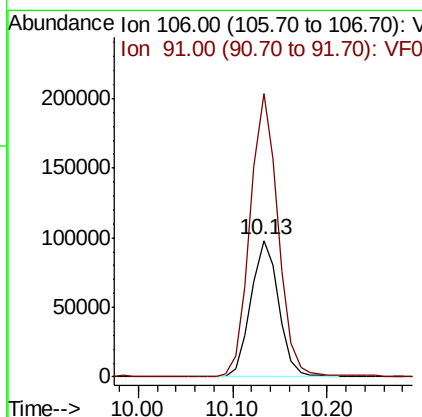
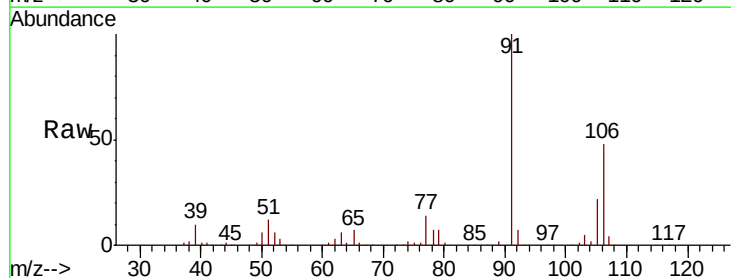
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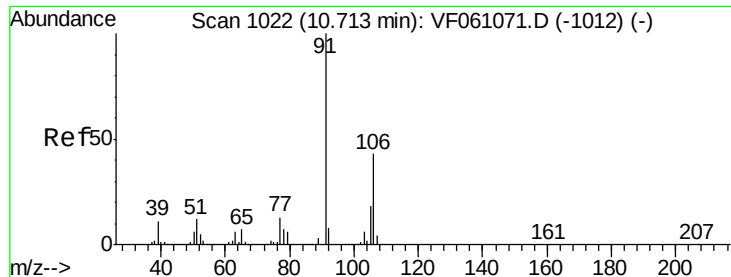
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#68
m/p-Xylenes
Concen: 45.194 ug/l
RT: 10.13 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion: 106 Resp: 201577
Ion Ratio Lower Upper
106 100
91 207.8 168.2 252.2





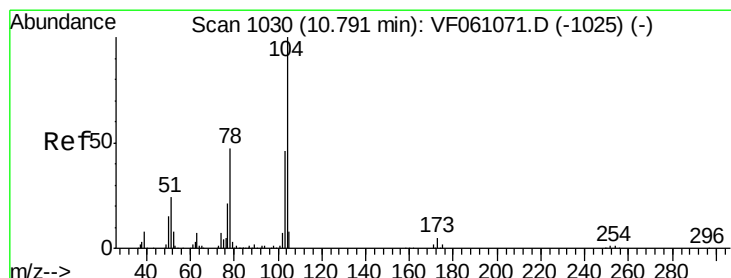
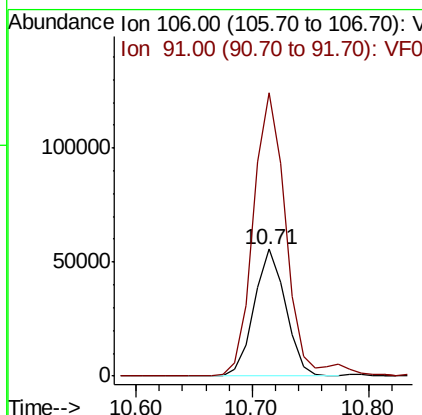
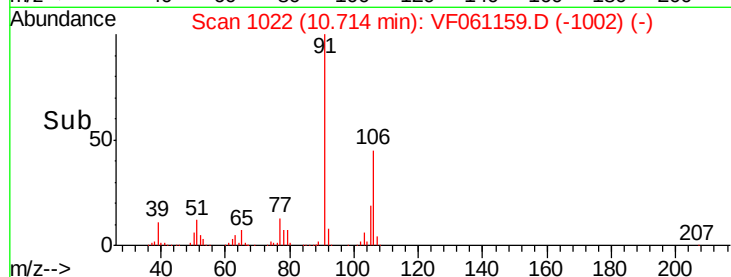
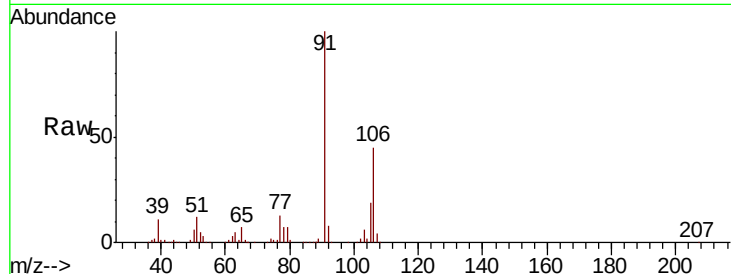
#69
o-Xylene
Concen: 21.159 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.5	115.9	347.7

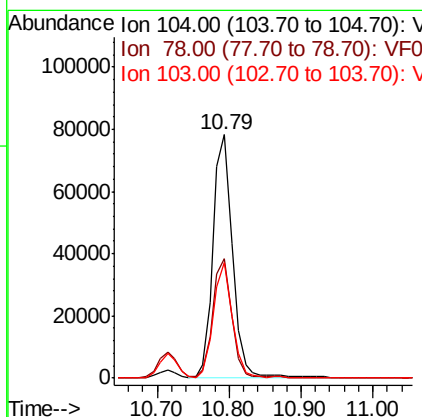
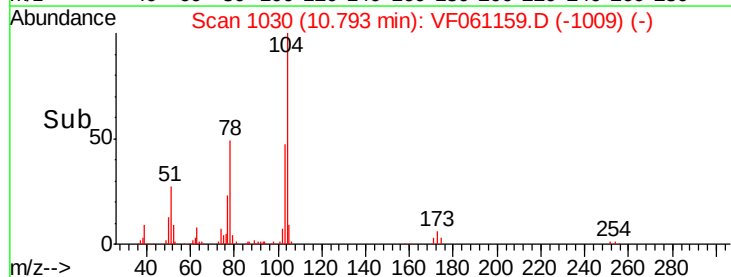
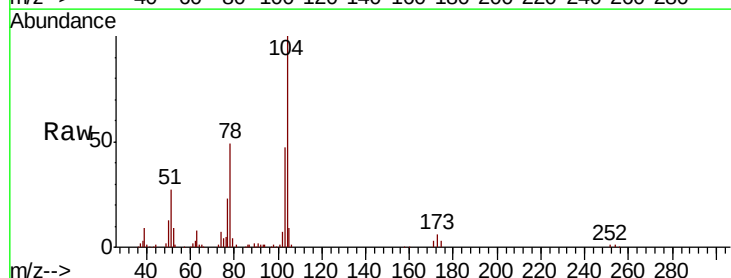
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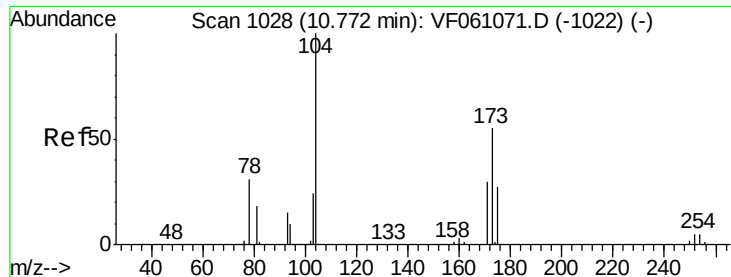
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#70
Styrene
Concen: 21.294 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.4	57.6
103	47.4	37.0	55.6





#71

Bromoform

Concen: 20.255 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

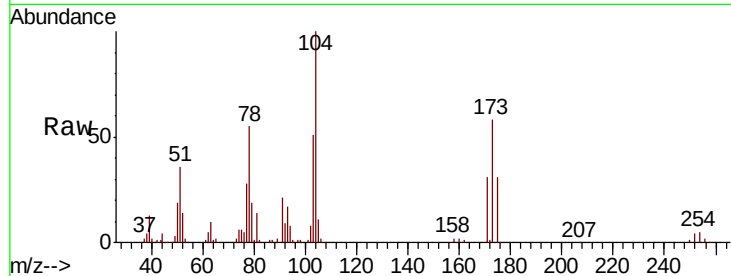
ClientSampleId :

VF1224SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	53.3	24.8	74.4
254	8.9	0.0	0.0

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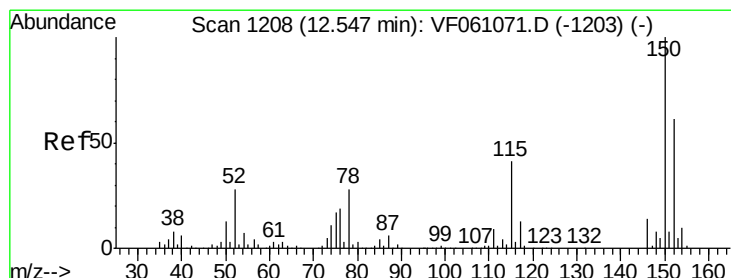
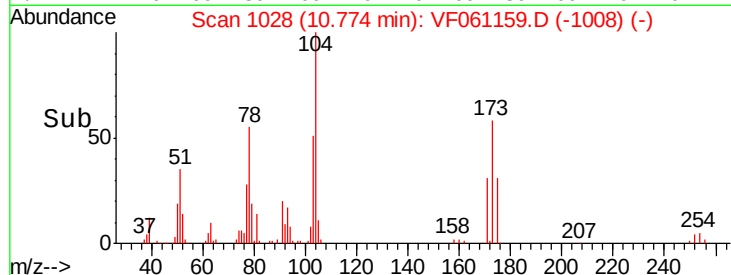
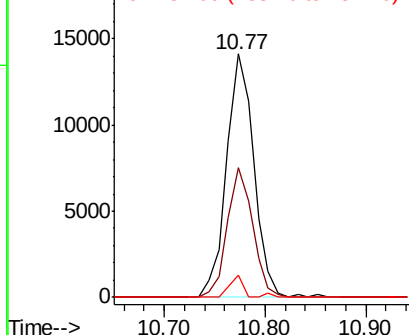


Abundance

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

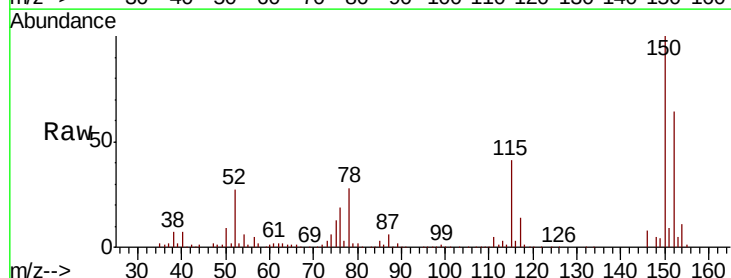
RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.9	33.3	99.9
150	155.9	0.0	328.2

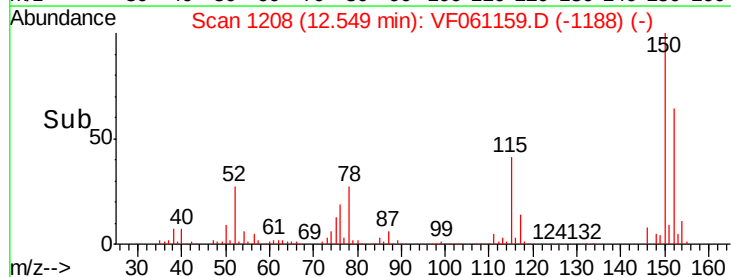
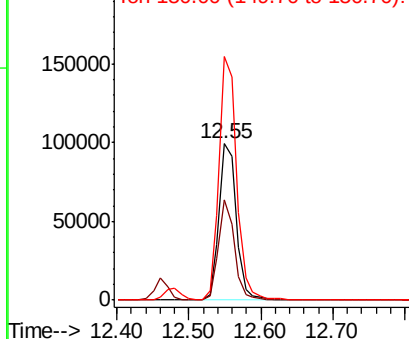


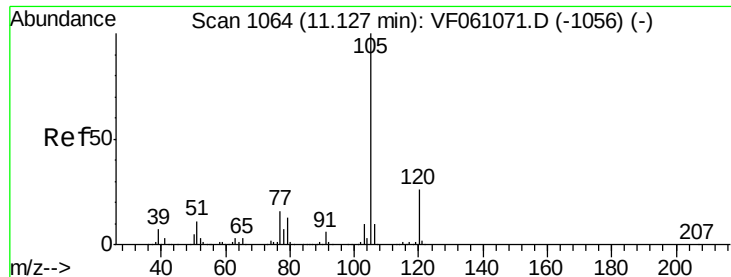
Abundance

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: 22.046 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion:105 Resp: 312633

Ion Ratio Lower Upper

105 100

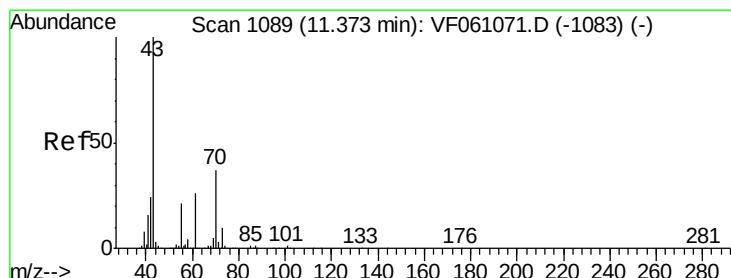
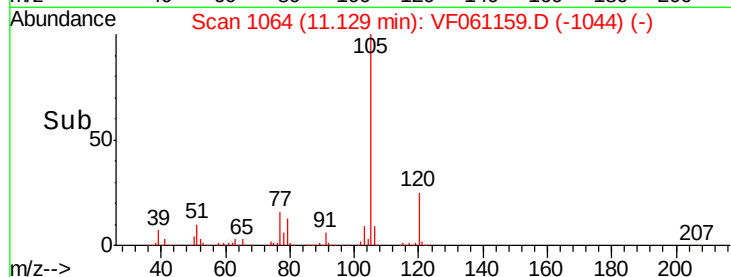
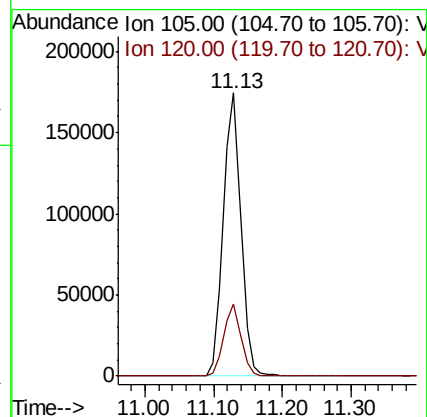
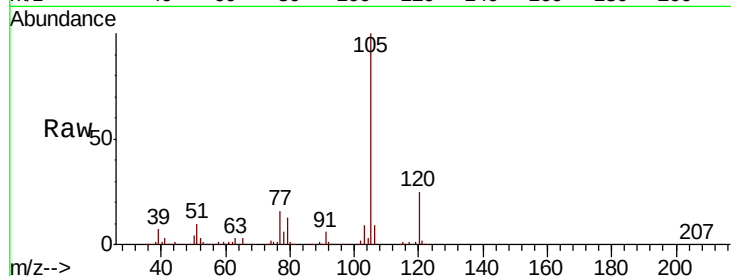
120 25.3 13.0 39.0

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#74

N-ethyl acetate

Concen: 23.712 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion: 43 Resp: 74656

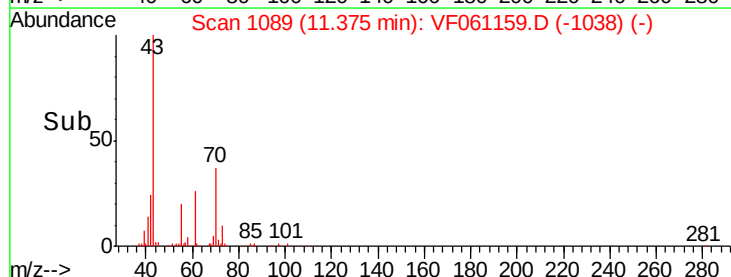
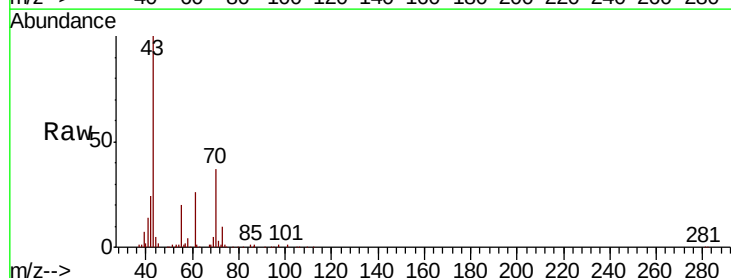
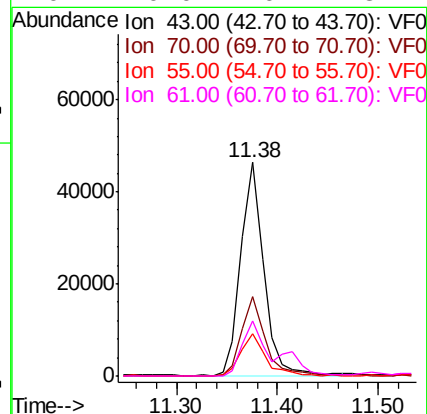
Ion Ratio Lower Upper

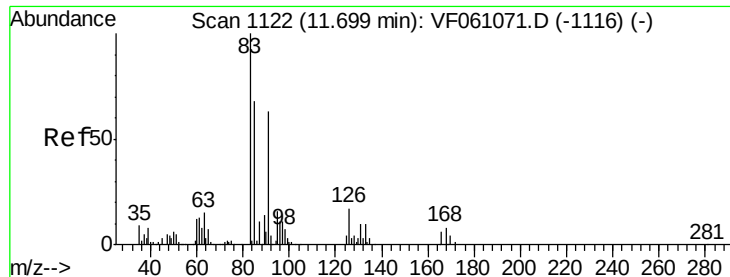
43 100

70 37.1 29.2 43.8

55 19.6 16.5 24.7

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.666 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

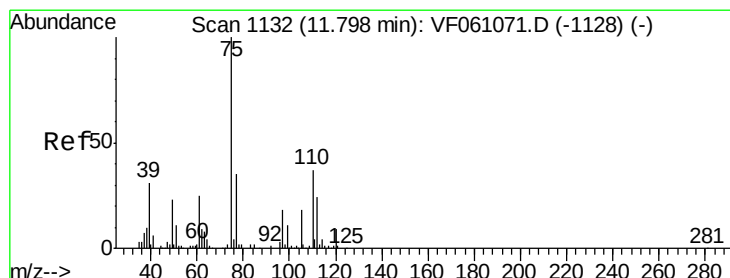
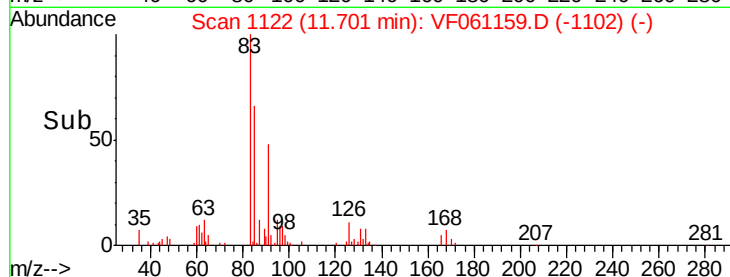
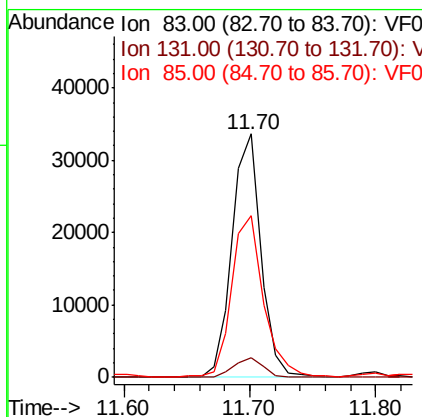
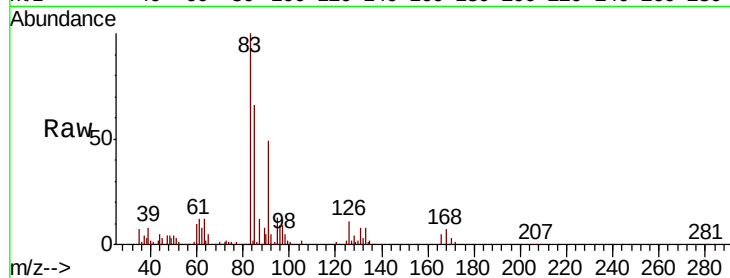
ClientSampleId :

VF1224SBS01

Tot Ion:	83	Resp:	53347
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.8	14.3
85	66.4	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 20.656 ug/l

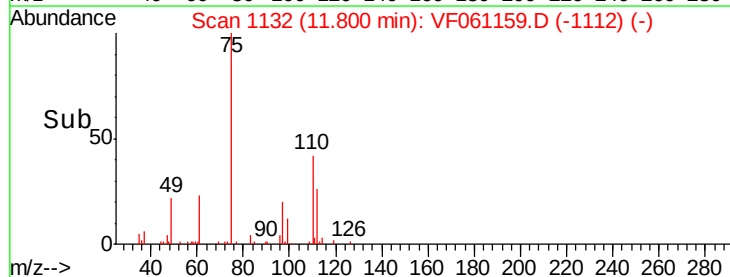
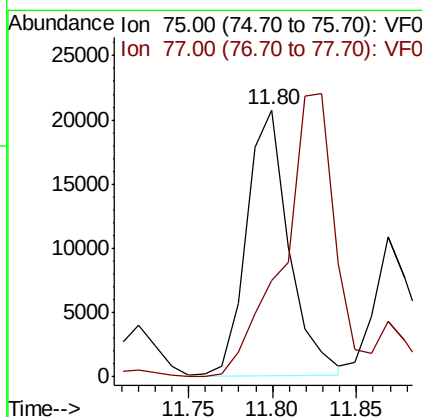
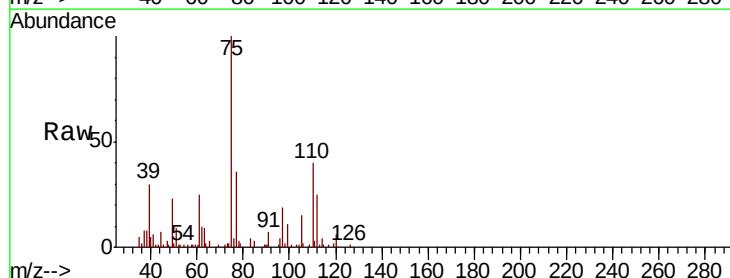
RT: 11.80 min Scan# 1132

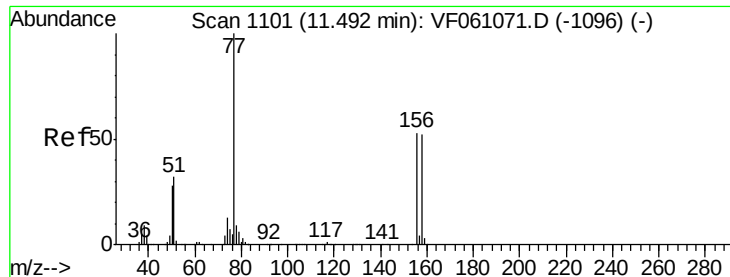
Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	75	Resp:	36179
Ion Ratio	Lower	Upper	
75	100		
77	36.4	17.6	52.9





#77

Bromobenzene

Concen: 21.060 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion:156 Resp: 64289

Ion Ratio Lower Upper

156 100

77 178.5 93.8 281.4

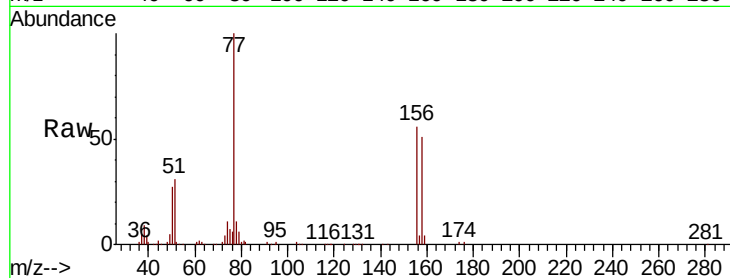
158 91.2 48.9 146.8

Manual Integrations

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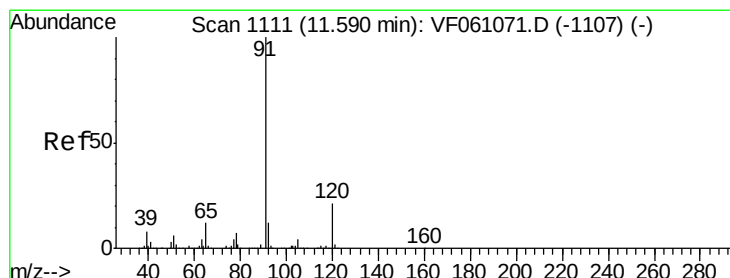
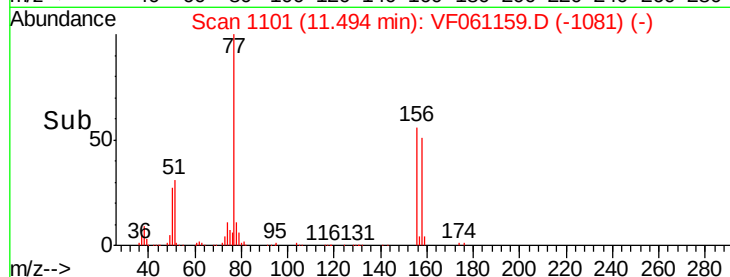
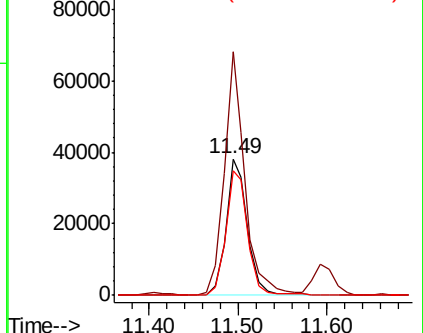
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 20.347 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF061159.D

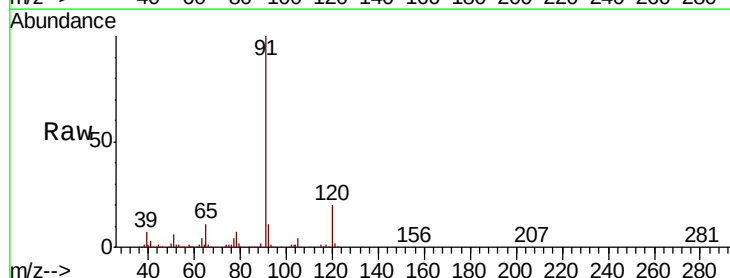
Acq: 24 Dec 2018 12:19

Tgt Ion: 91 Resp: 374177

Ion Ratio Lower Upper

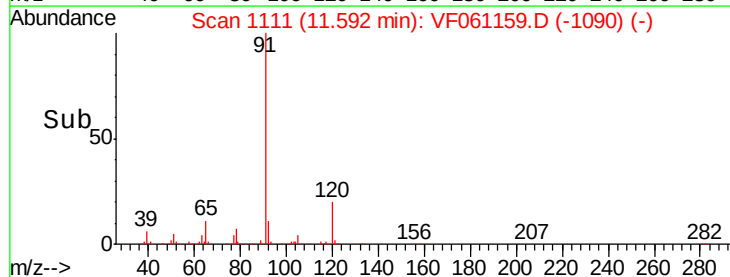
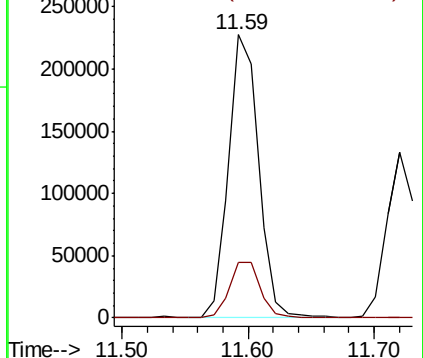
91 100

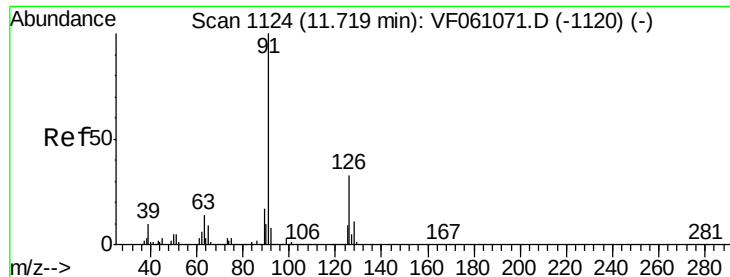
120 19.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





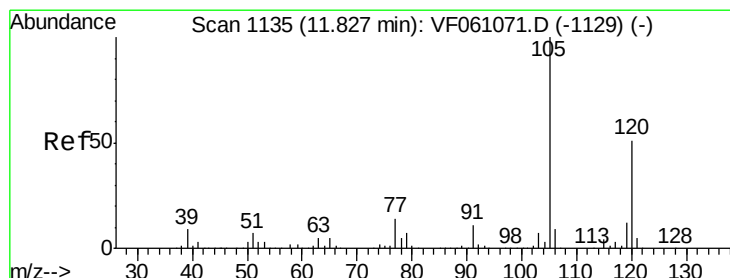
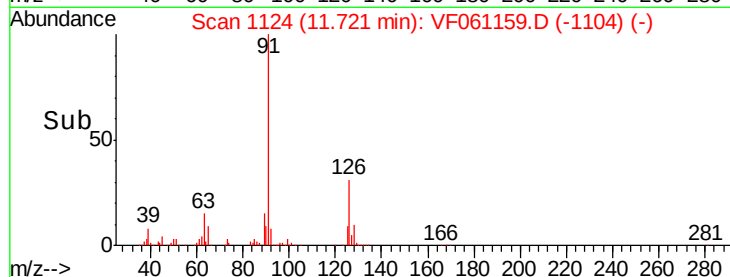
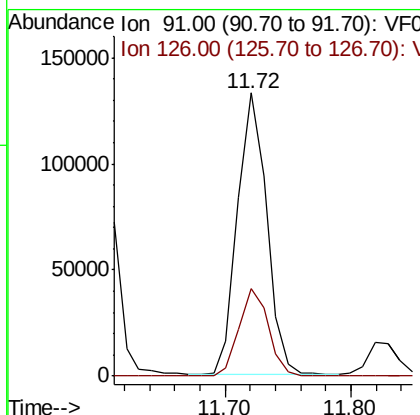
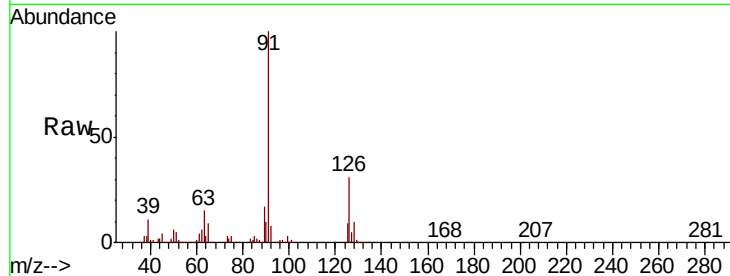
#79
 2-Chlorotoluene
 Concen: 21.985 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion: 91 Resp: 213874
 Ion Ratio Lower Upper
 91 100
 126 31.0 16.4 49.1

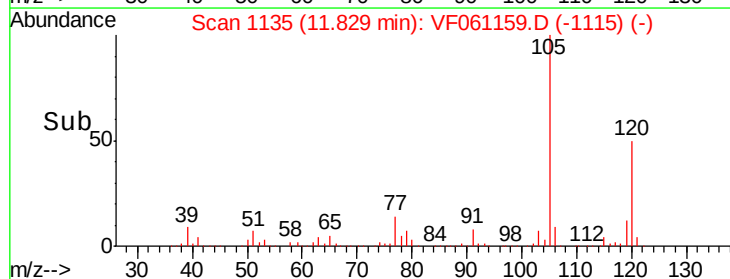
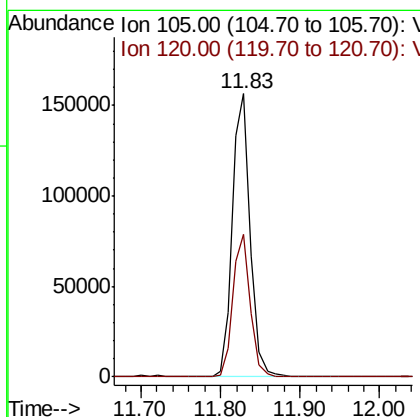
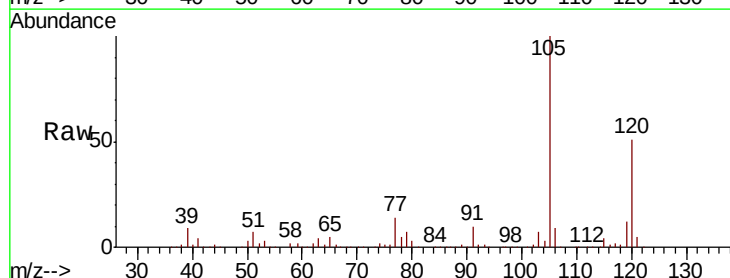
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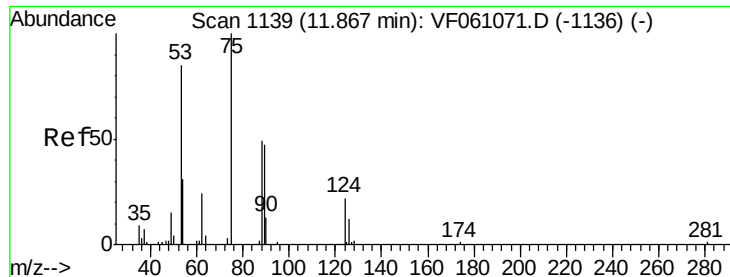
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.160 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion: 105 Resp: 247082
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.4





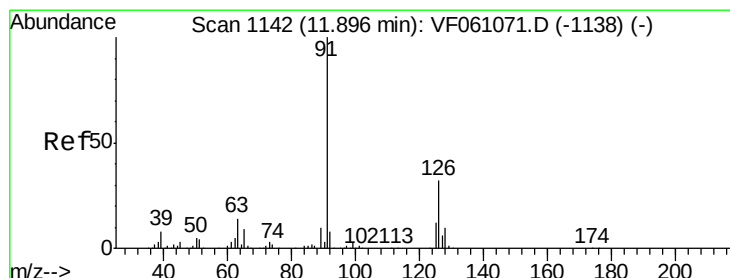
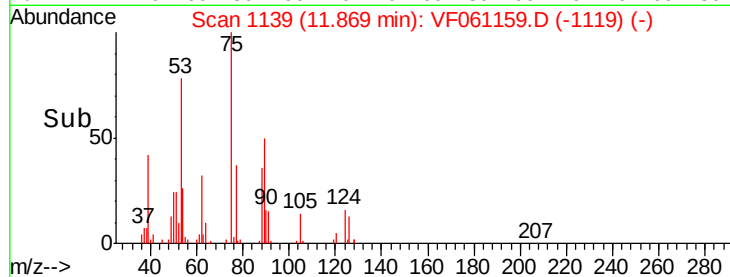
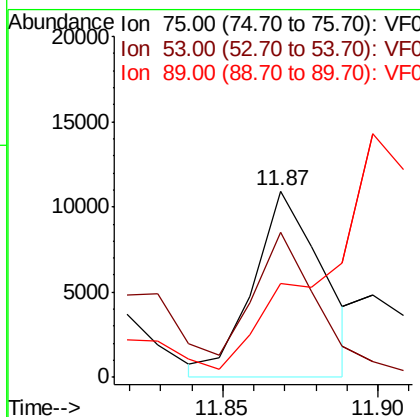
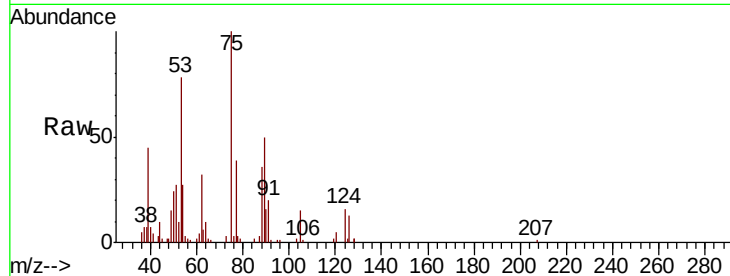
#81
trans-1,4-Dichloro-2-butene
Concen: 22.586 ug/l m
RT: 11.87 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	78.2	74.1	111.1
89	50.3	42.6	64.0

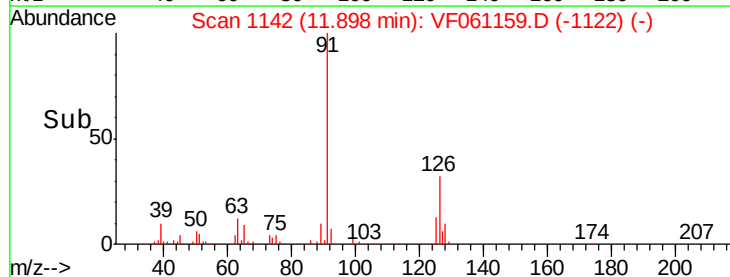
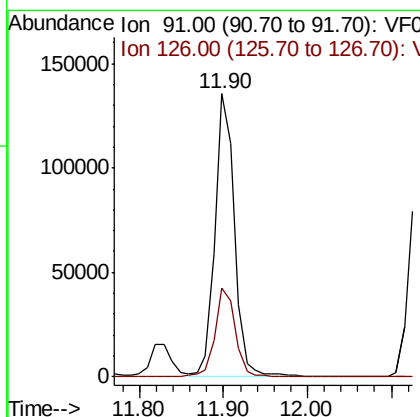
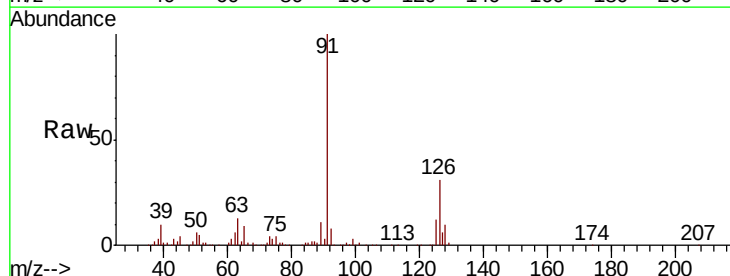
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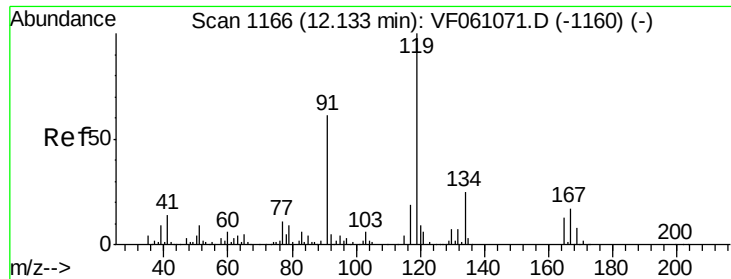
apatel
12/27/2018 12:57:35 PM



#82
4-Chlorotoluene
Concen: 21.494 ug/l
RT: 11.90 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.0	47.9





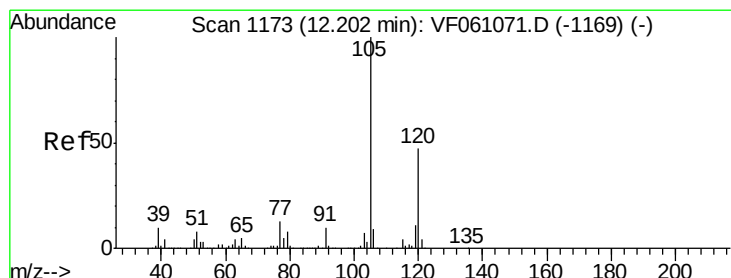
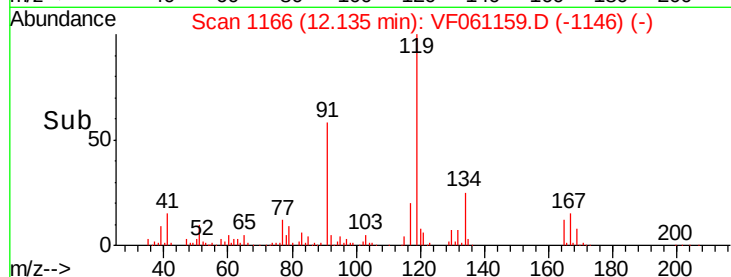
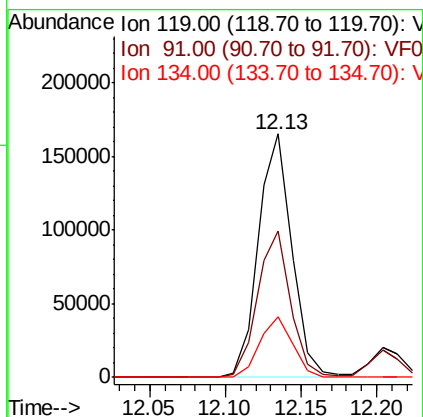
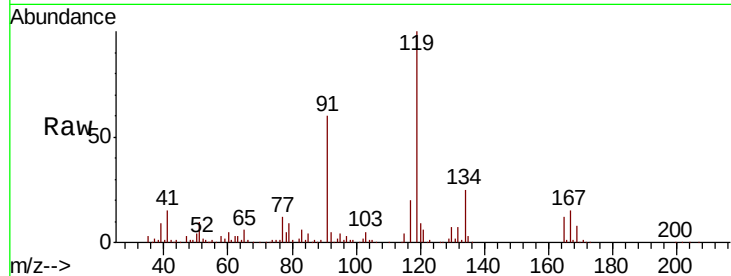
#83
tert-Butylbenzene
Concen: 21.263 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	255493		
91	60.3		30.5	91.5
134	24.7		12.4	37.4

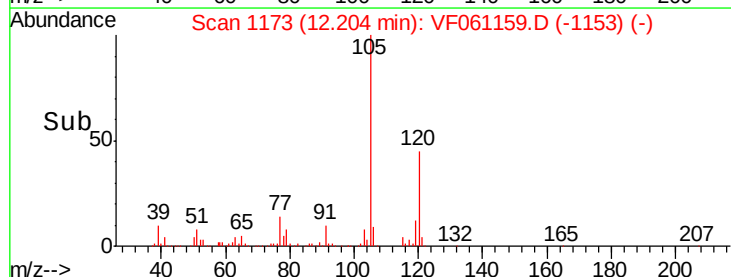
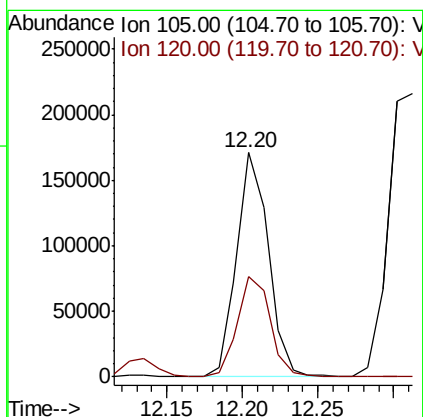
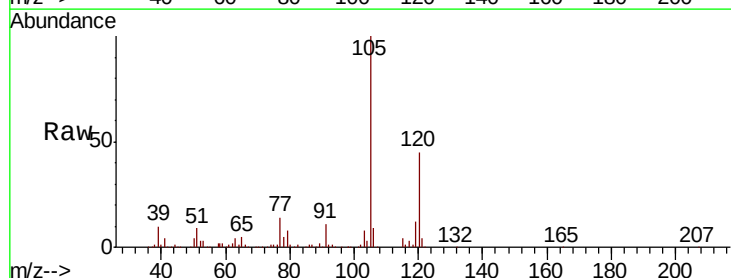
Manual Integrations
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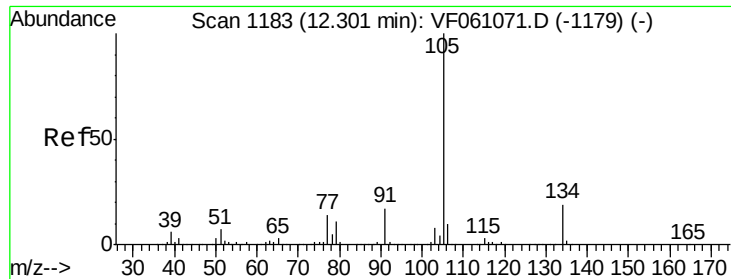
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#84
1,2,4-Trimethylbenzene
Concen: 21.524 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250639		
120	45.0		23.6	71.0





#85

sec-Butylbenzene

Concen: 22.502 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

ClientSampleId :

VF1224SBS01

Tot Ion:105 Resp: 352849

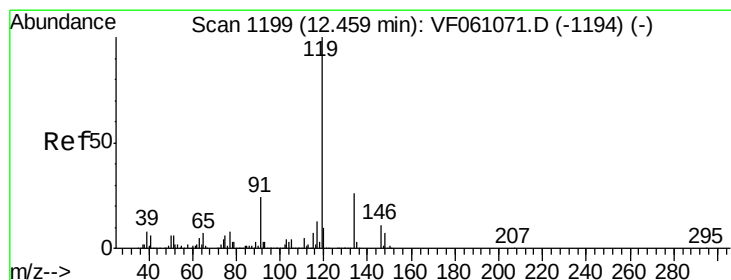
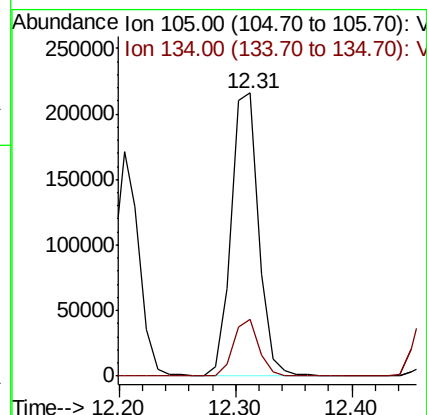
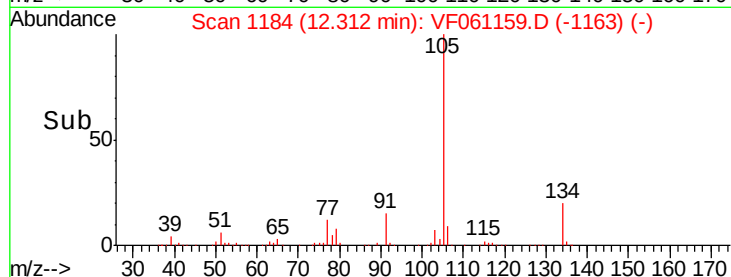
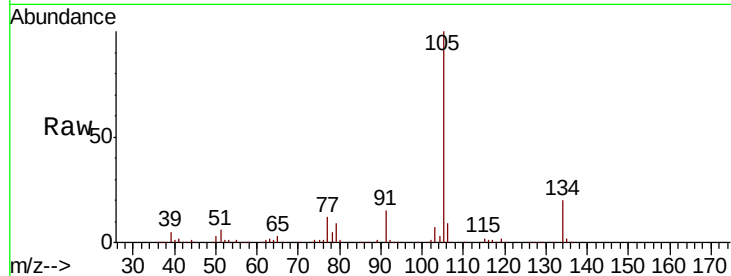
Ion Ratio Lower Upper

105 100

134 20.2 9.4 28.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.113 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

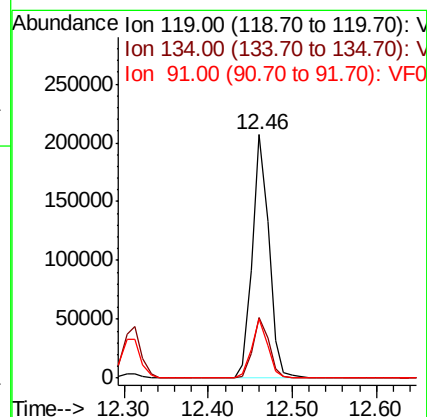
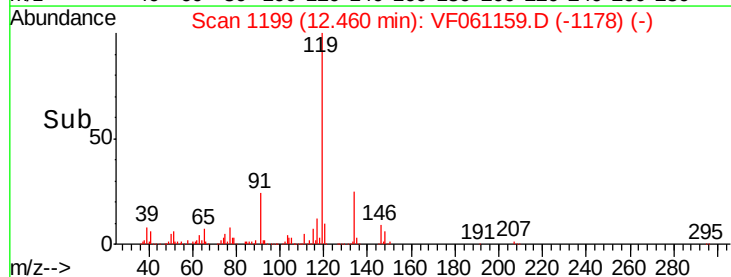
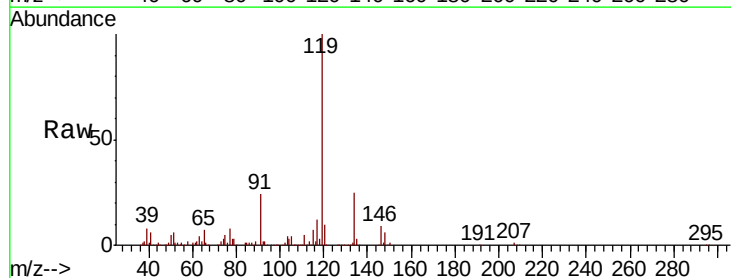
Tgt Ion:119 Resp: 287812

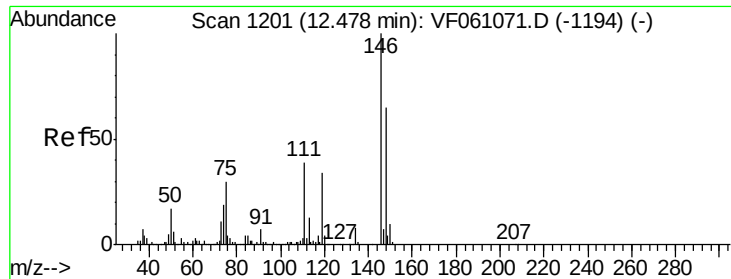
Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.4

91 24.4 12.2 36.6





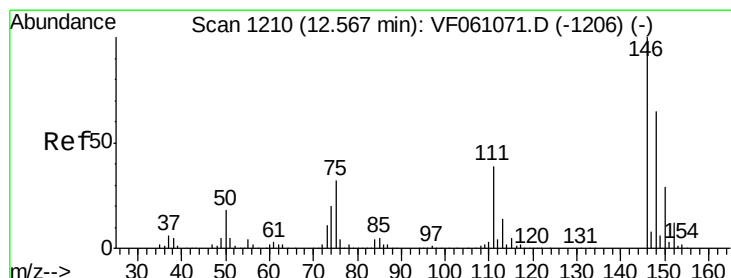
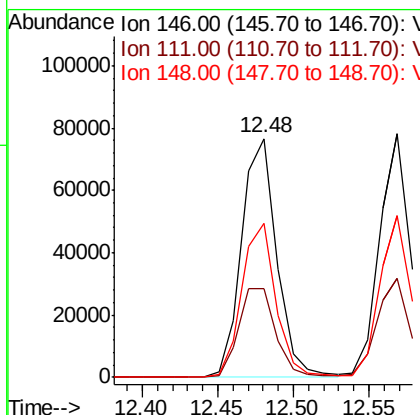
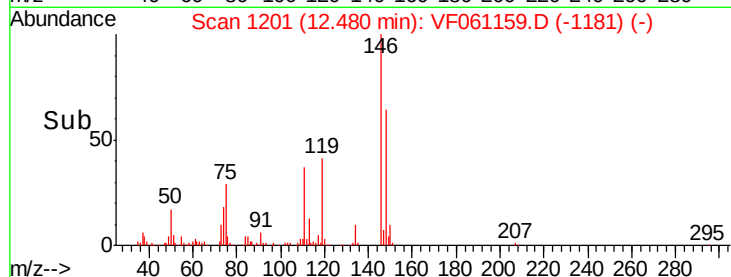
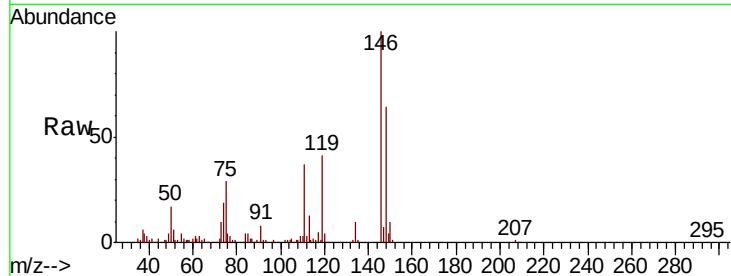
#87
 1,3-Dichlorobenzene
 Concen: 21.975 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.3	57.9
148	64.4	32.4	97.2

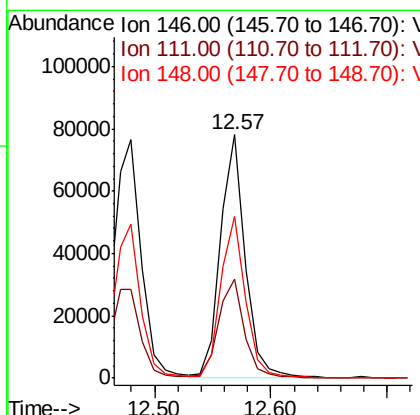
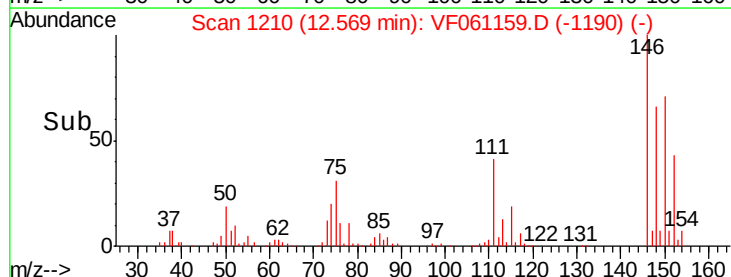
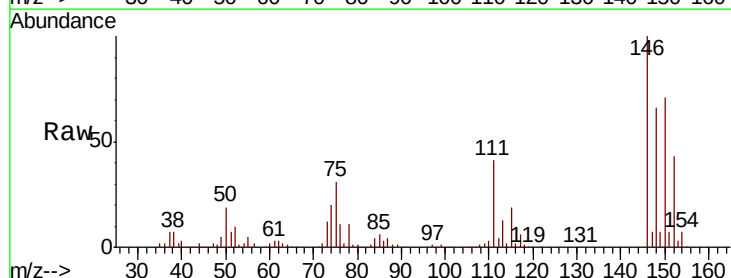
Manual Integrations
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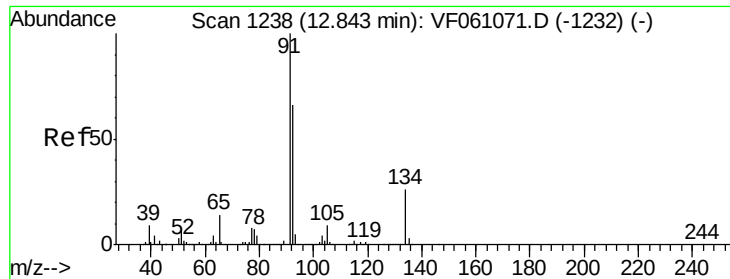
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#88
 1,4-Dichlorobenzene
 Concen: 20.480 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.4	58.4
148	66.5	32.4	97.0





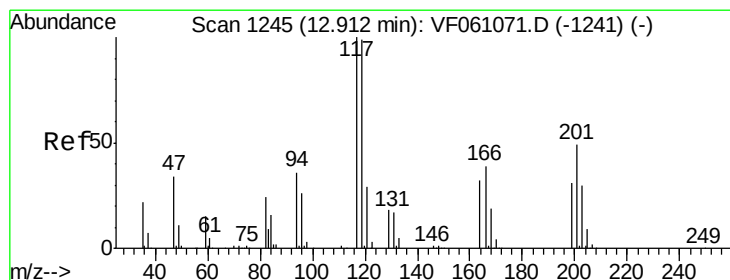
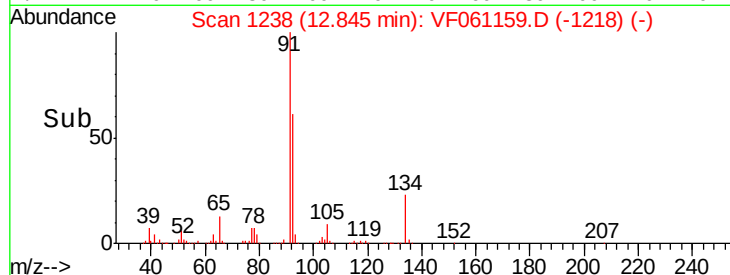
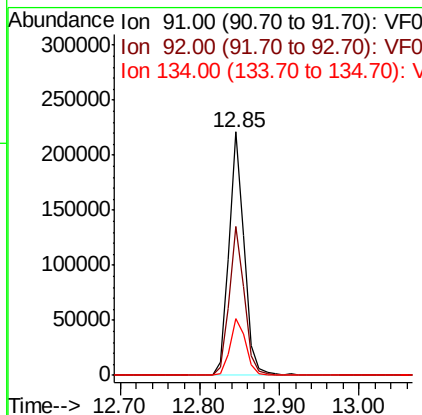
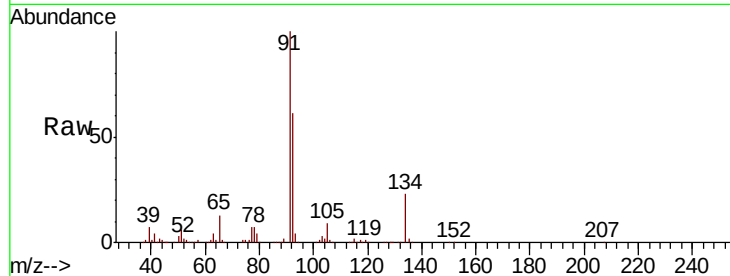
#89
n-Butylbenzene
Concen: 20.011 ug/l
RT: 12.85 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.3	32.8	98.4
134	23.2	13.2	39.5

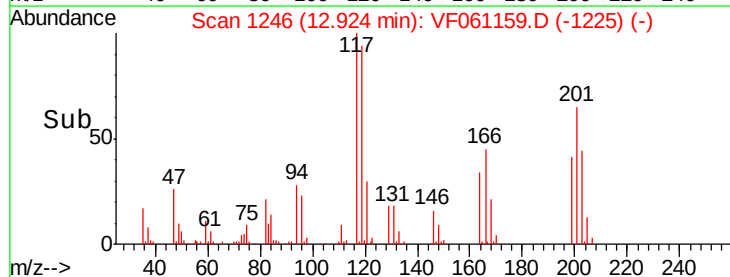
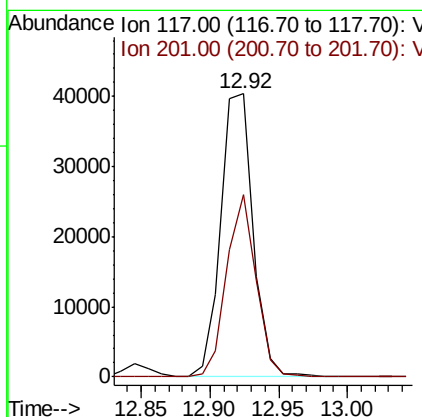
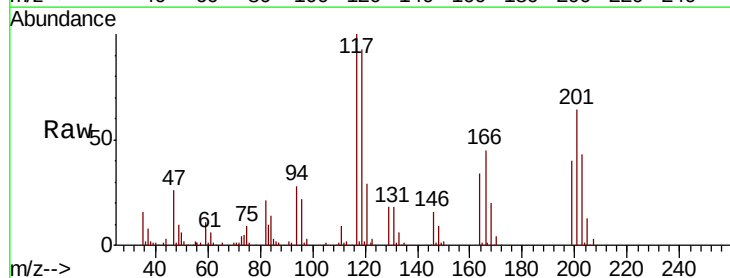
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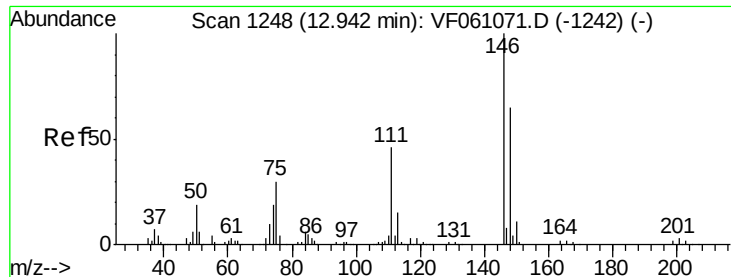
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12/27/2018 12:57:35 PM



#90
Hexachloroethane
Concen: 20.500 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.4	24.9	74.8





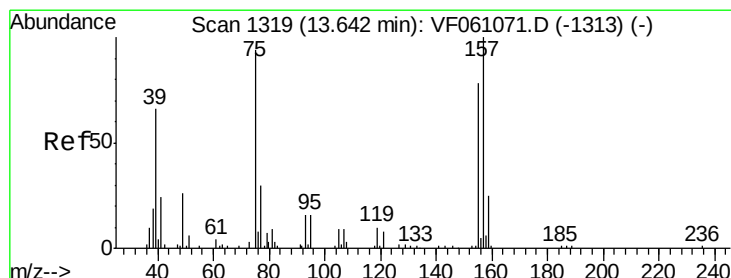
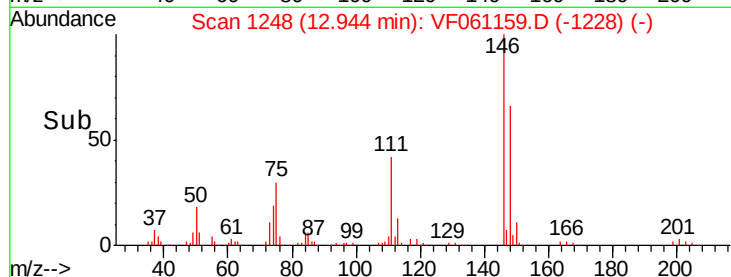
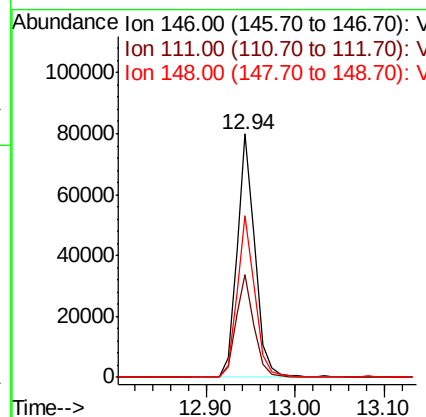
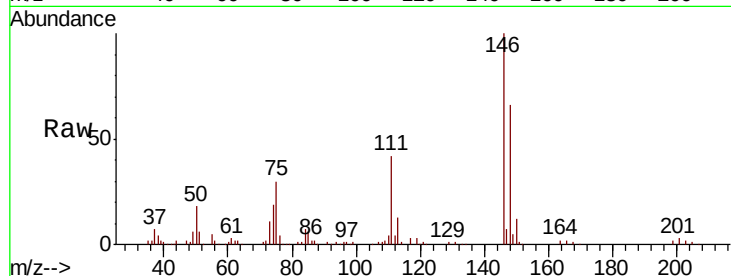
#91
 1,2-Dichlorobenzene
 Concen: 20.939 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1224SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	23.2	69.5
148	66.5	32.4	97.0

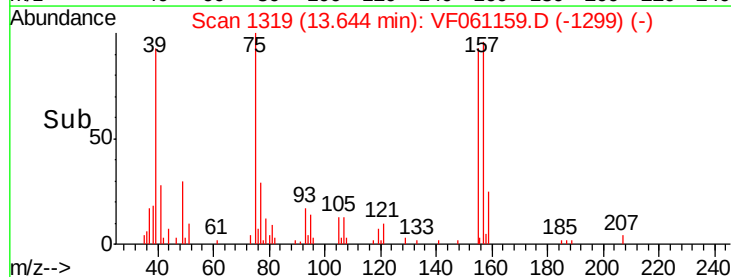
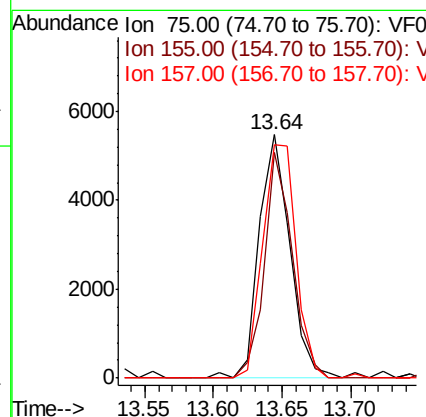
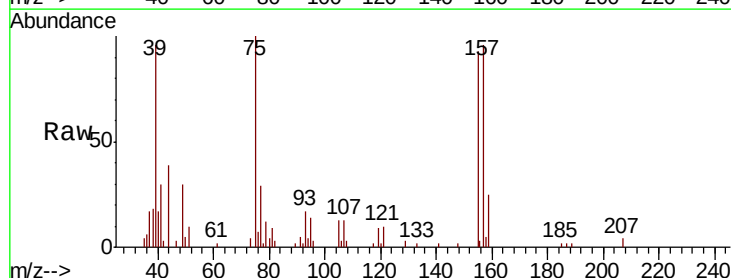
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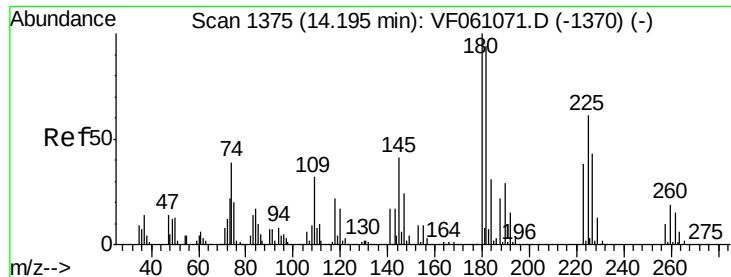
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.843 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061159.D
 Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	41.5	124.5
157	95.8	53.2	159.6





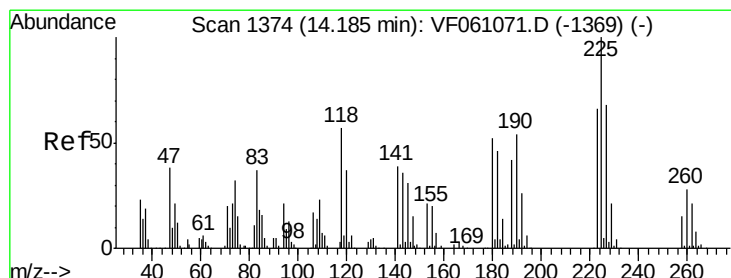
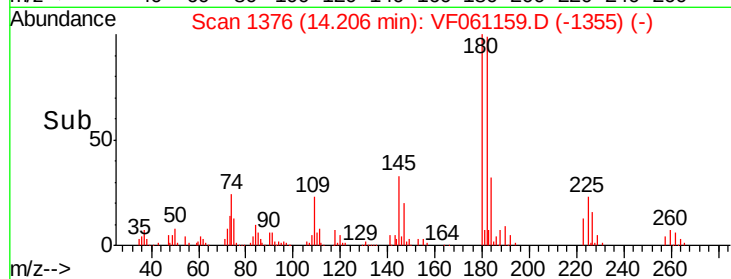
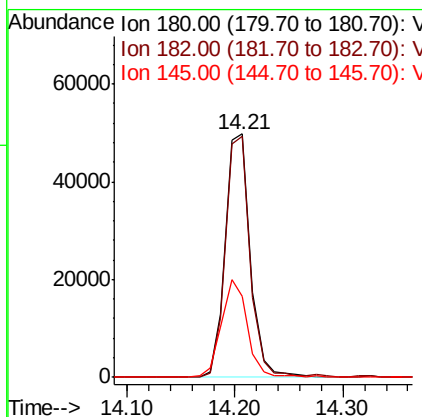
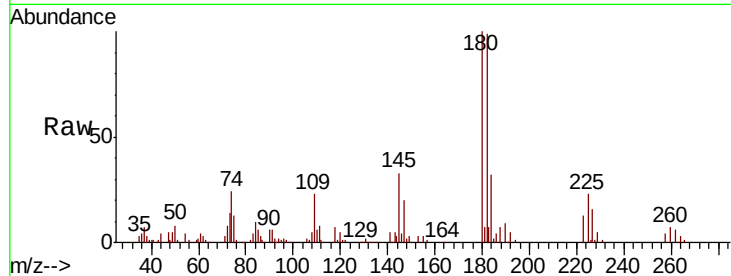
#93
1,2,4-Trichlorobenzene
Concen: 20.943 ug/l
RT: 14.21 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Instrument :
MSVOA_F
ClientSampleId :
VF1224SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81057		
182	99.1	46.9	140.6	
145	33.5	20.5	61.6	

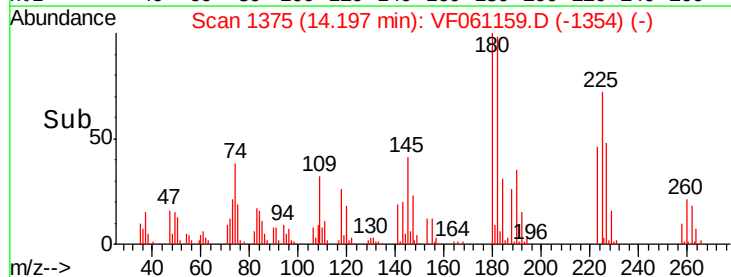
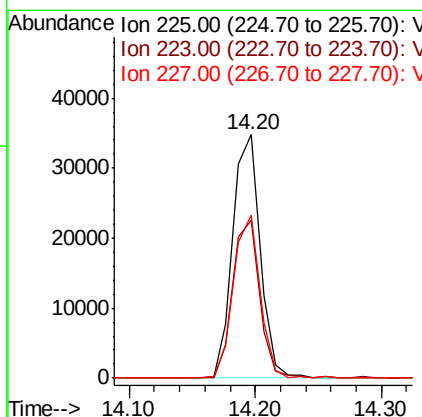
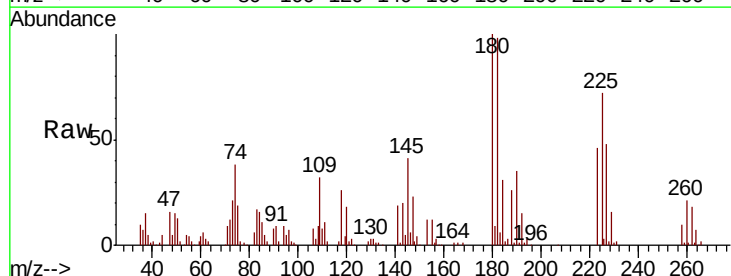
Manual Integrations
APPROVED

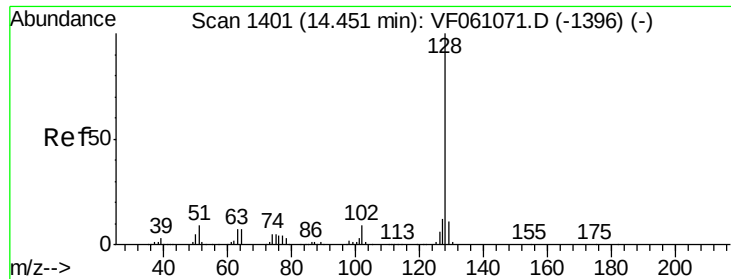
apatel
12/27/2018 12:57:35 PM



#94
Hexachlorobutadiene
Concen: 21.202 ug/l
RT: 14.20 min Scan# 1375
Delta R.T. 0.01 min
Lab File: VF061159.D
Acq: 24 Dec 2018 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52264		
223	64.7	32.8	98.3	
227	66.9	34.0	101.8	





#95

Naphthalene

Concen: 20.644 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Instrument :

MSVOA_F

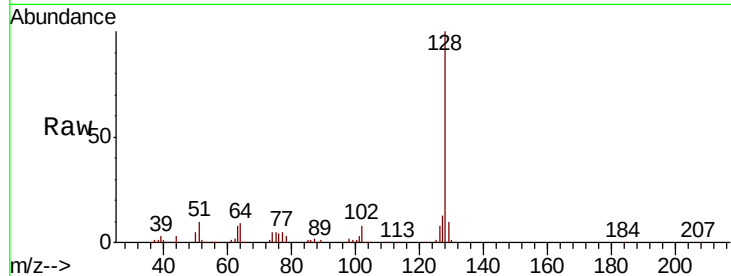
ClientSampleId :

VF1224SBS01

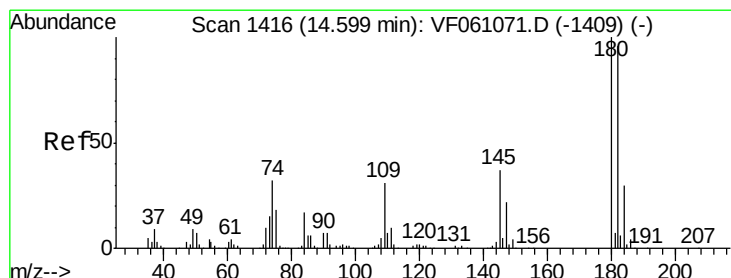
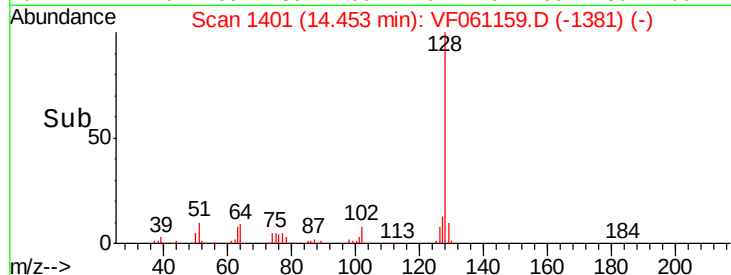
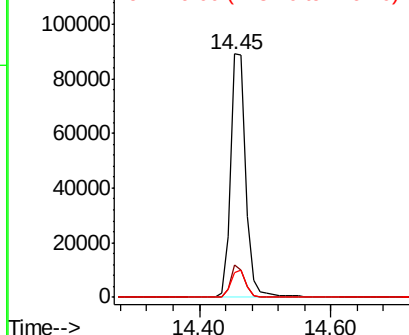
Tot Ion:	128	Resp:	145901
Ion	Ratio	Lower	Upper
128	100		
127	13.4	9.4	14.2
129	10.4	8.8	13.2

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.307 ug/l

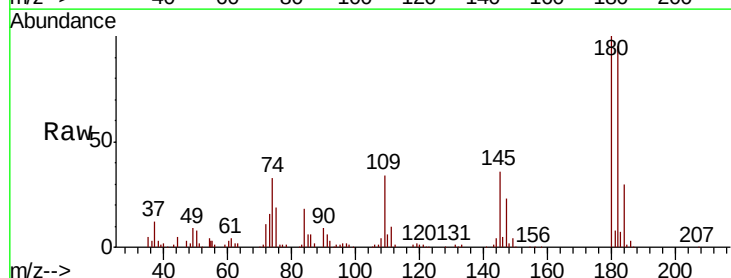
RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061159.D

Acq: 24 Dec 2018 12:19

Tgt Ion:	180	Resp:	72657
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.9	143.8
145	36.3	18.6	55.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

