

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF083018\
 Data File : VF060193.D
 Acq On : 29 Aug 2018 16:58
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 8/30/2018 3:04:39 PM

Quant Time: Aug 30 04:04:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F083018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 02:37:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	155890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	239889	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	253260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	159263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	203179	156.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.20%	
35) Dibromofluoromethane	4.30	113	148786	89.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.08%	
50) Toluene-d8	7.72	98	385856	72.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.18%	
62) 4-Bromofluorobenzene	11.51	95	221020	100.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	203593	65.09	ug/l	100
3) Chloromethane	1.07	50	113796	89.20	ug/l	89
4) Vinyl Chloride	1.12	62	92262	76.52	ug/l	99
5) Bromomethane	1.32	94	74048	108.02	ug/l	100
6) Chloroethane	1.40	64	52367	73.52	ug/l	88
7) Trichlorofluoromethane	1.49	101	258640	49.88	ug/l	98
8) Diethyl Ether	1.70	74	36121	142.37	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	122144	53.52	ug/l	96
10) Methyl Iodide	1.93	142	105992	86.95	ug/l	99
11) Tert butyl alcohol	2.68	59	53052	1492.06	ug/l	94
12) 1,1-Dichloroethene	1.83	96	79092	54.86	ug/l	97
13) Acrolein	2.10	56	26086	851.81	ug/l	98
14) Allyl chloride	2.20	41	106469	81.28	ug/l	96
15) Acrylonitrile	3.08	53	73743	1009.33	ug/l	94
16) Acetone	2.34	43	218950	1032.46	ug/l	99
17) Carbon Disulfide	1.84	76	254021	59.94	ug/l	97
18) Methyl Acetate	2.45	43	68549m	161.09	ug/l	
19) Methyl tert-butyl Ether	2.54	73	272552	176.54	ug/l	100
20) Methylene Chloride	2.28	84	88199	93.93	ug/l	94
21) trans-1,2-Dichloroethene	2.41	96	86502	69.50	ug/l	100
22) Diisopropyl ether	2.92	45	289960	122.05	ug/l #	98
23) Vinyl Acetate	3.34	43	844127	1006.41	ug/l	98
24) 1,1-Dichloroethane	3.00	63	194363	87.09	ug/l	99
25) 2-Butanone	4.51	43	272243	1193.41	ug/l	100
26) 2,2-Dichloropropane	3.77	77	235103	130.84	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	116344	115.65	ug/l	91
28) Bromochloromethane	3.89	49	64355	115.56	ug/l	93
29) Tetrahydrofuran	4.26	42	103107	1111.21	ug/l	98
30) Chloroform	4.04	83	298793	109.85	ug/l	97
31) Cyclohexane	3.86	56	140067	69.89	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	274574	78.38	ug/l	98
36) 1,1-Dichloropropene	4.46	75	187276	58.30	ug/l	97
37) Ethyl Acetate	4.29	43	105132	171.22	ug/l #	94
38) Carbon Tetrachloride	4.17	117	255643	58.69	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	160158	53.37	ug/l	97
40) Benzene	4.82	78	360495	77.81	ug/l	100
41) Methacrylonitrile	4.93	41	50751	160.77	ug/l	94
42) 1,2-Dichloroethane	5.12	62	259643	132.04	ug/l	99
43) Isopropyl Acetate	7.11	43	135897	181.07	ug/l	99
44) Trichloroethene	5.68	130	124872	65.26	ug/l	99
45) 1,2-Dichloropropane	6.40	63	106430	100.92	ug/l	97
46) Dibromomethane	6.26	93	100140	153.68	ug/l	97
47) Bromodichloromethane	6.55	83	247618	115.63	ug/l	96
48) Methyl methacrylate	6.88	41	94426	158.40	ug/l	94
49) 1,4-Dioxane	6.88	88	17542	4241.79	ug/l #	89
51) 4-Methyl-2-Pentanone	8.41	43	589804	870.58	ug/l	99
52) Toluene	7.78	92	270936	77.25	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	216373	153.48	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	224733	131.51	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	108541	142.51	ug/l	96
56) Ethyl methacrylate	8.76	69	142419	189.90	ug/l	95
57) 1,3-Dichloropropane	9.01	76	194644	147.11	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	57094	391.69	ug/l	100
59) 2-Hexanone	9.64	43	480145	942.33	ug/l	96
60) Dibromochloromethane	8.87	129	177712	143.32	ug/l	90
61) 1,2-Dibromoethane	9.14	107	133502	159.61	ug/l	99
64) Tetrachloroethene	8.31	164	131366	45.16	ug/l	97
65) Chlorobenzene	9.94	112	365176	71.55	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	158013	89.08	ug/l	99
67) Ethyl Benzene	10.04	91	662661	60.00	ug/l	99
68) m/p-Xylenes	10.28	106	451356	122.32	ug/l	99
69) o-Xylene	10.83	106	257366	76.05	ug/l	97
70) Styrene	10.91	104	373205	85.61	ug/l	96
71) Bromoform	10.89	173	114479	152.55	ug/l	98
73) Isopropylbenzene	11.23	105	748481	46.53	ug/l	99
74) N-amyl acetate	11.47	43	241834	145.65	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	152559	112.75	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	125987	109.94	ug/l	96
77) Bromobenzene	11.60	156	198482	77.00	ug/l	97
78) n-propylbenzene	11.69	91	878265	45.25	ug/l	95
79) 2-Chlorotoluene	11.82	91	531983	56.79	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	627666	50.53	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	57984m	171.70	ug/l	
82) 4-Chlorotoluene	11.99	91	590206	63.20	ug/l	94
83) tert-Butylbenzene	12.22	119	625290	47.98	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	662382	61.17	ug/l	97
85) sec-Butylbenzene	12.39	105	832155	43.67	ug/l	98
86) p-Isopropyltoluene	12.55	119	740696	51.77	ug/l	100
87) 1,3-Dichlorobenzene	12.57	146	361474	67.49	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	366493	74.21	ug/l	99
89) n-Butylbenzene	12.92	91	721813	58.00	ug/l	97
90) Hexachloroethane	13.00	117	170495	55.16	ug/l	95
91) 1,2-Dichlorobenzene	13.03	146	358359	82.96	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	41145	156.41	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	271579	125.21	ug/l	97
94) Hexachlorobutadiene	14.26	225	172807	49.63	ug/l	99
95) Naphthalene	14.53	128	458212	204.18	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	272932	146.32	ug/l	98

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

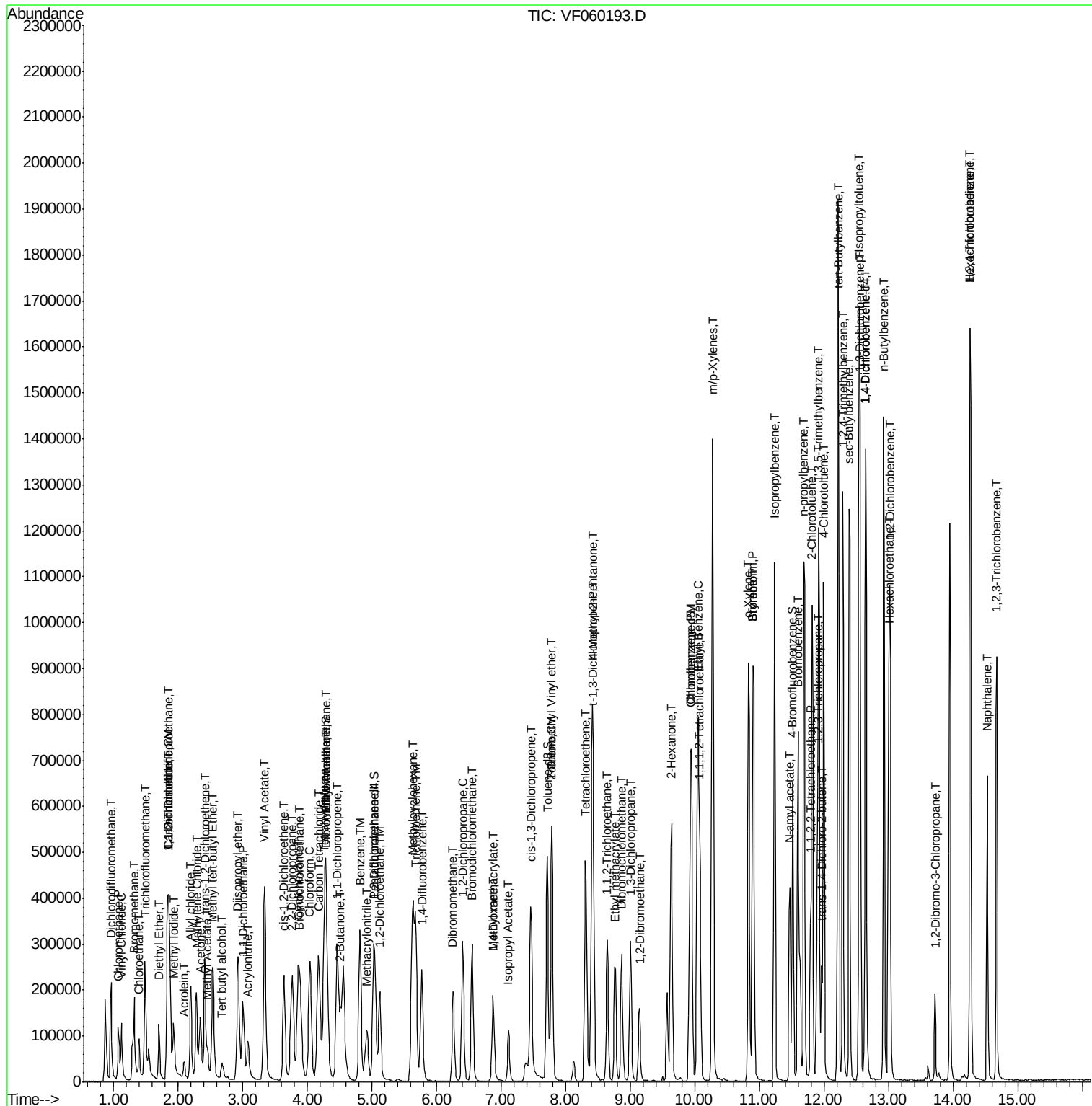
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF083018\
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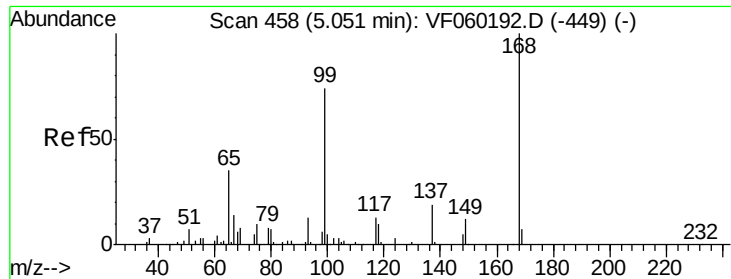
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 155890

Ion Ratio Lower Upper

168 100

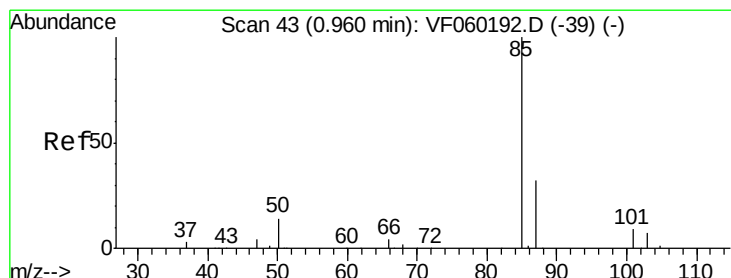
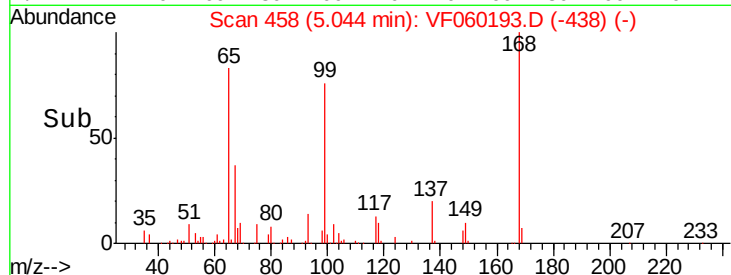
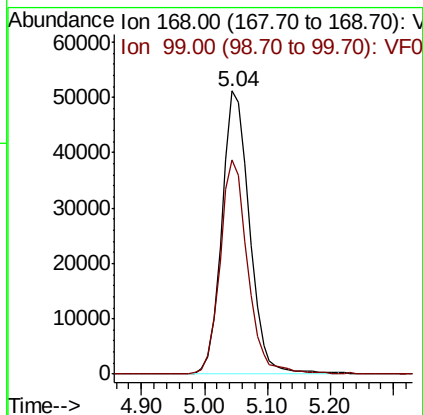
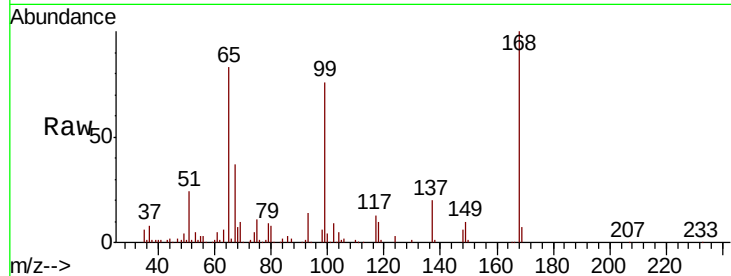
99 75.9 59.4 89.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 65.09 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060193.D

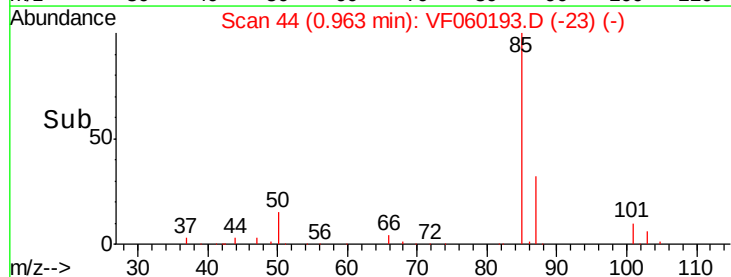
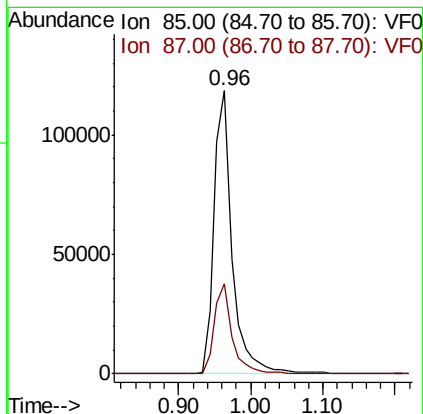
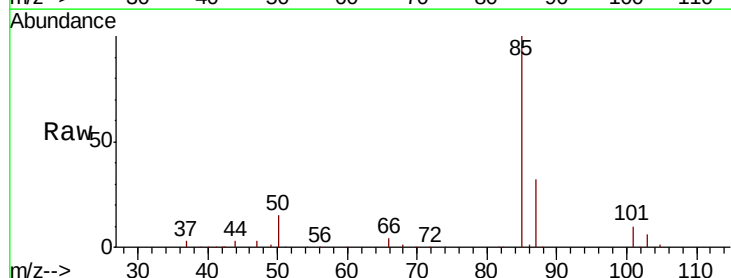
Acq: 29 Aug 2018 16:58

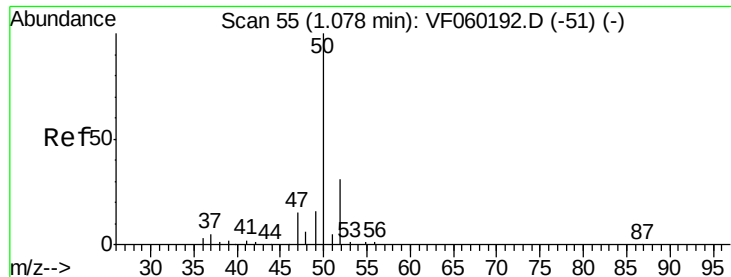
Tgt Ion: 85 Resp: 203593

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7





#3

Chloromethane

Concen: 89.20 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 113796

Ion Ratio Lower Upper

50 100

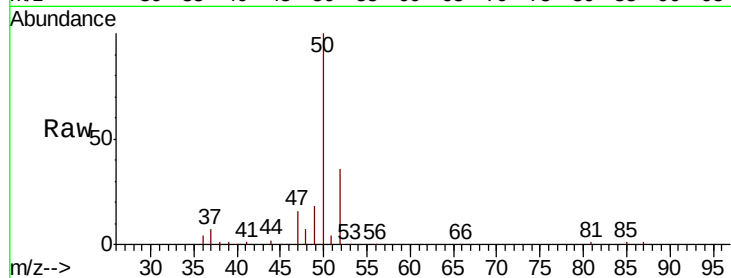
52 36.2 24.3 36.5

Manual Integrations

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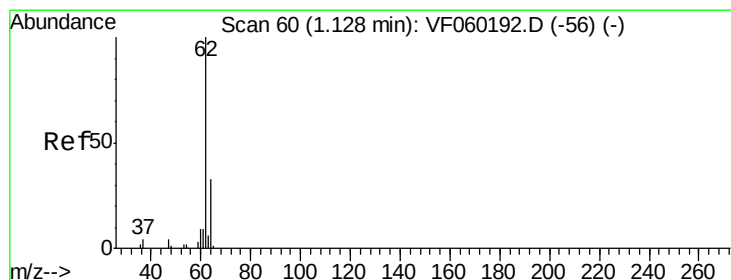
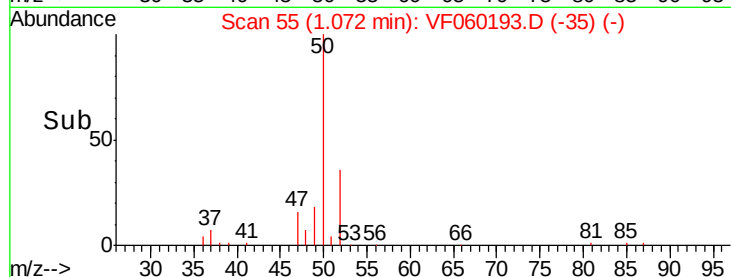
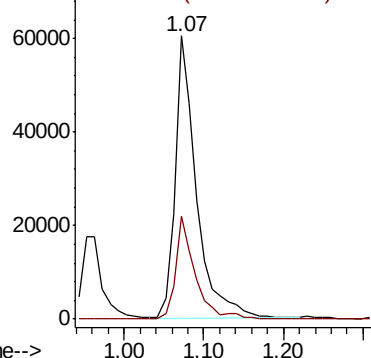
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 76.52 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060193.D

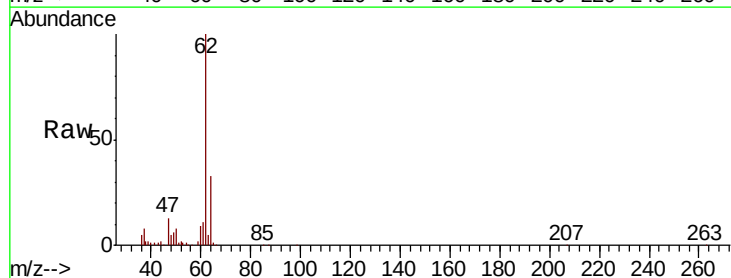
Acq: 29 Aug 2018 16:58

Tgt Ion: 62 Resp: 92262

Ion Ratio Lower Upper

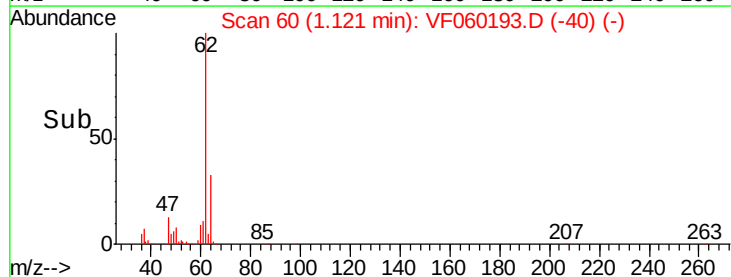
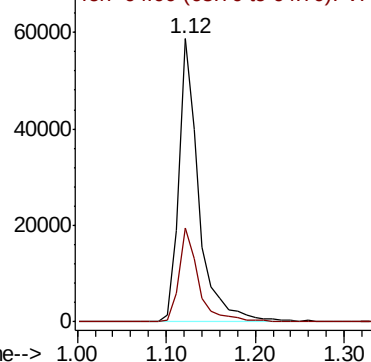
62 100

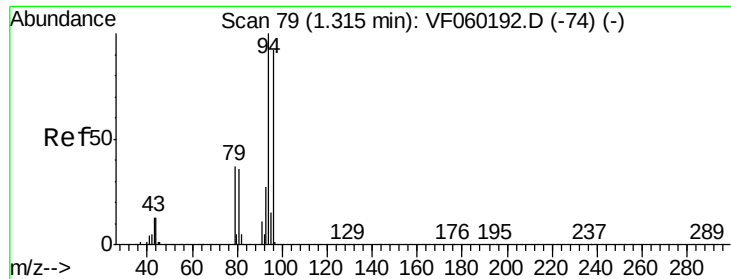
64 33.3 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 108.02 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

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Tot Ion: 94 Resp: 74048

Ion Ratio Lower Upper

94 100

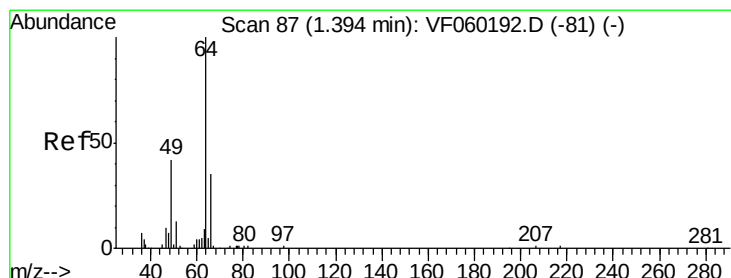
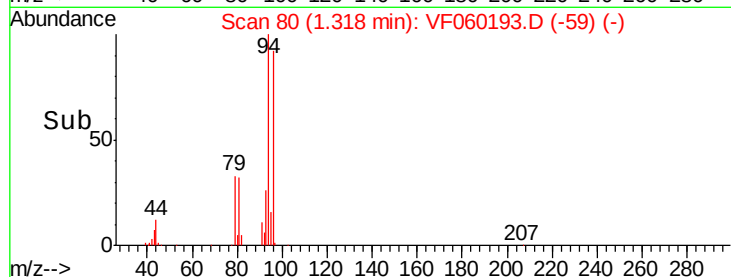
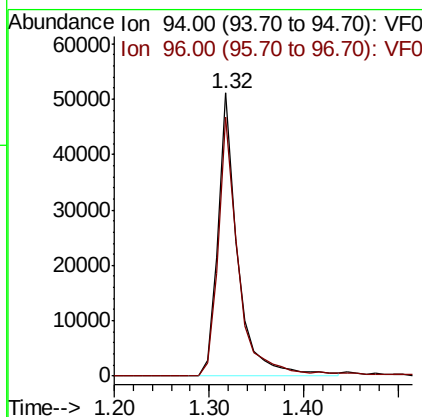
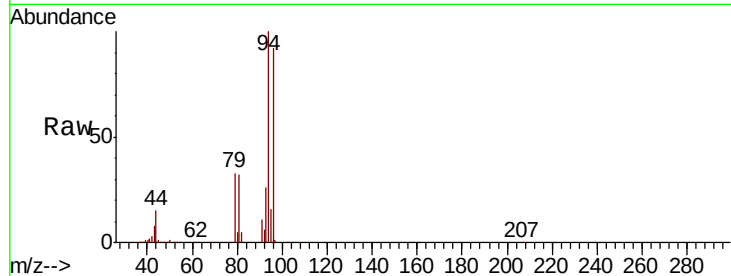
96 91.6 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 73.52 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF060193.D

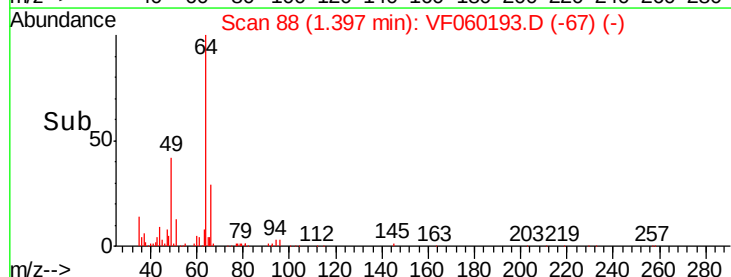
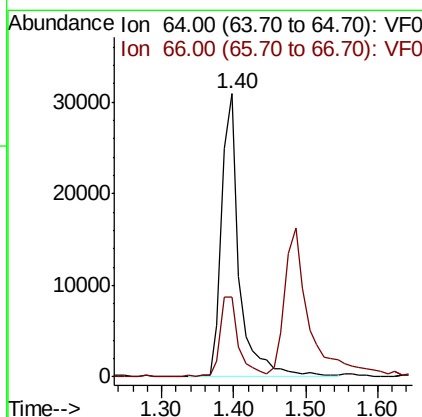
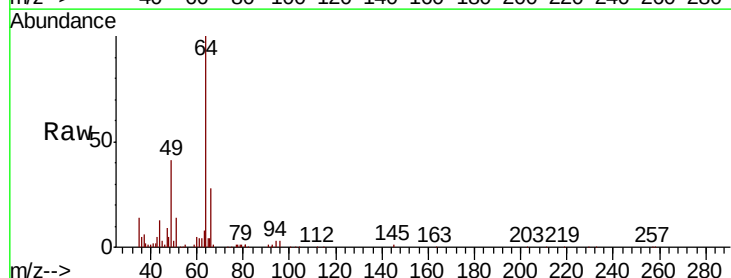
Acq: 29 Aug 2018 16:58

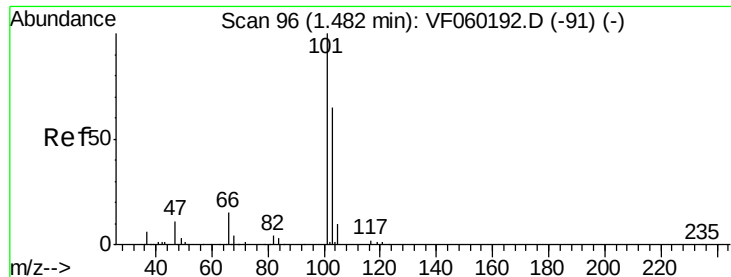
Tgt Ion: 64 Resp: 52367

Ion Ratio Lower Upper

64 100

66 28.4 28.2 42.4





#7

Trichlorofluoromethane

Concen: 49.88 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:101 Resp: 258640

Ion Ratio Lower Upper

101 100

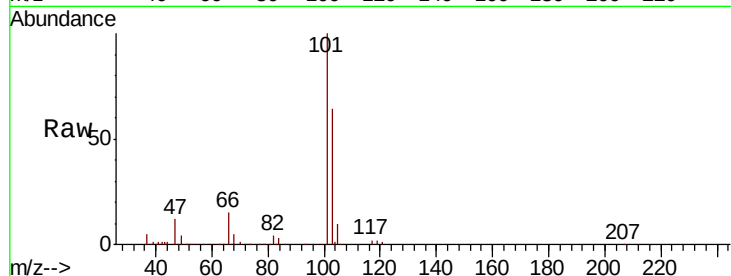
103 64.0 52.4 78.6

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

120000

100000

80000

60000

40000

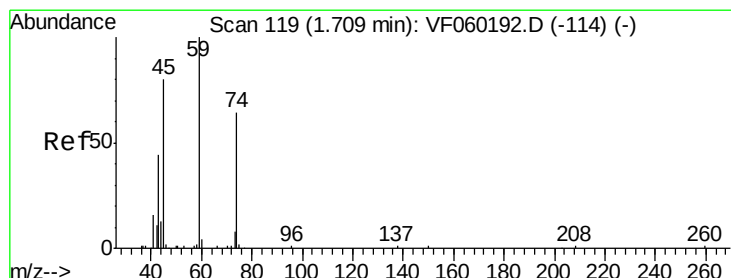
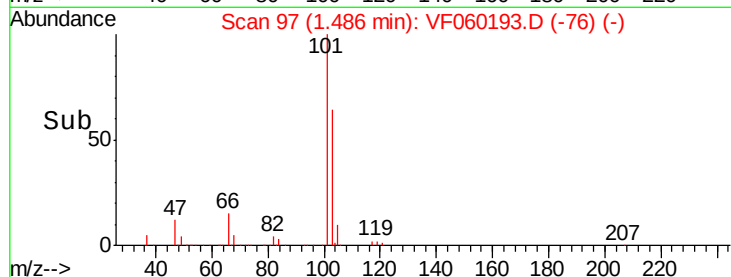
20000

0

1.49

1.30 1.40 1.50 1.60 1.70

Time-->



#8

Diethyl Ether

Concen: 142.37 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF060193.D

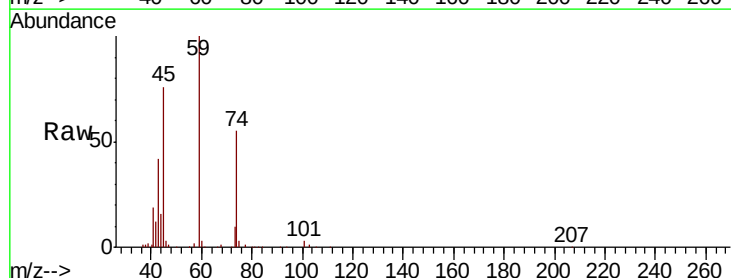
Acq: 29 Aug 2018 16:58

Tgt Ion: 74 Resp: 36121

Ion Ratio Lower Upper

74 100

45 138.3 63.3 190.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

30000

25000

20000

15000

10000

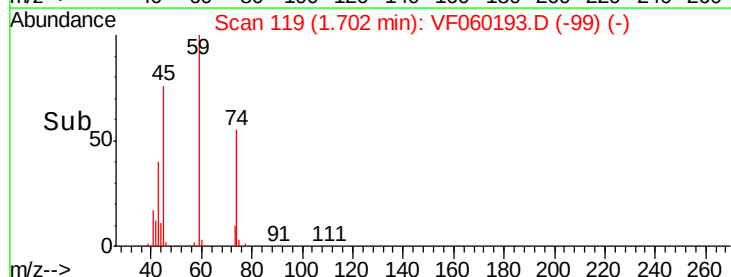
5000

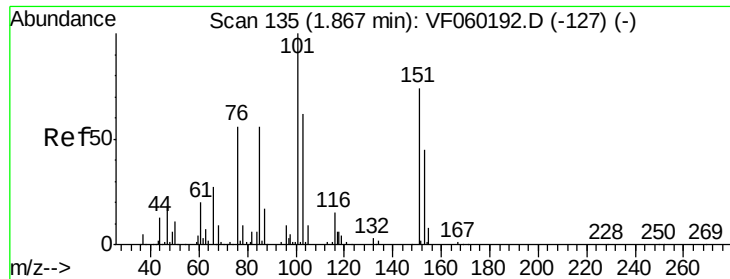
0

1.70

1.60 1.70 1.80

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.52 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060193.D

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MSVOA_F

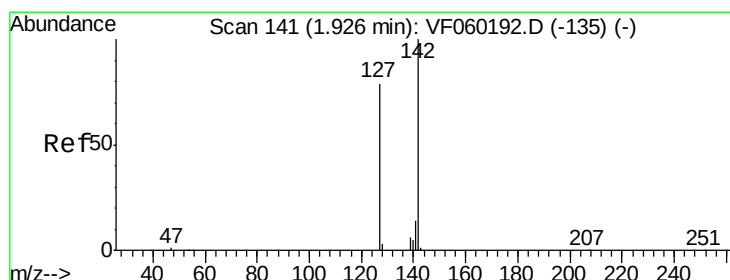
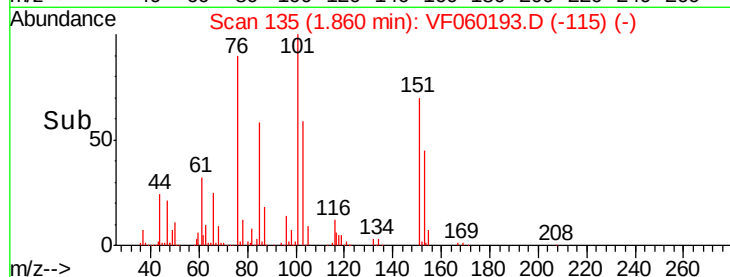
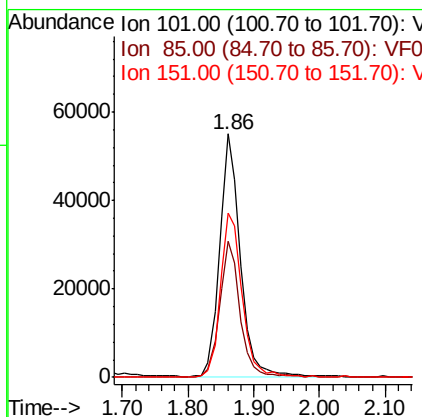
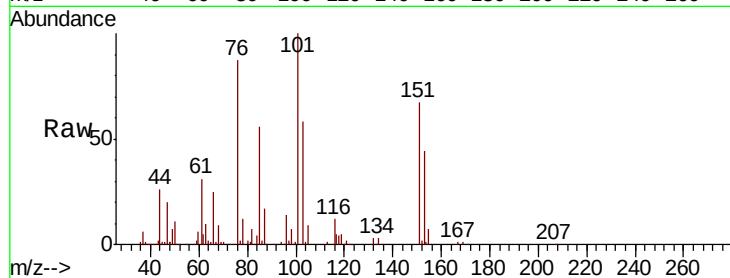
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	122144
Ion Ratio	Lower	Upper	
101	100		
85	55.9	44.5	66.7
151	67.5	58.8	88.2

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#10

Methyl Iodide

Concen: 86.95 ug/l

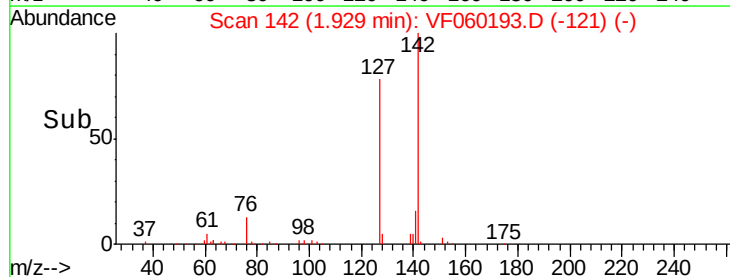
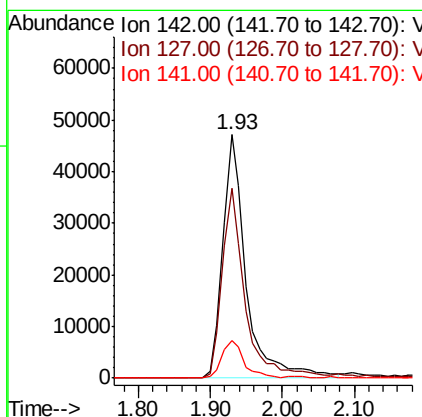
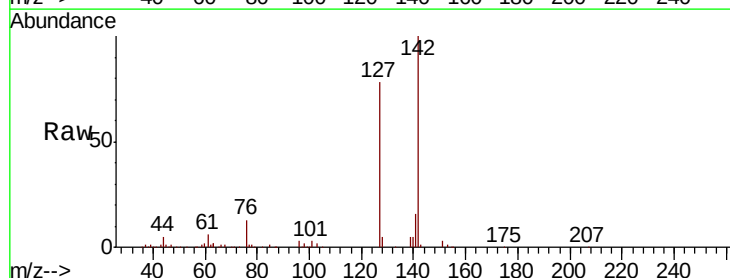
RT: 1.93 min Scan# 142

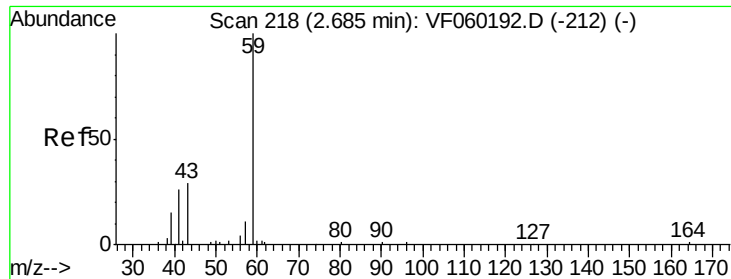
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	142	Resp:	105992
Ion Ratio	Lower	Upper	
142	100		
127	77.8	62.6	94.0
141	15.6	10.9	16.3





#11

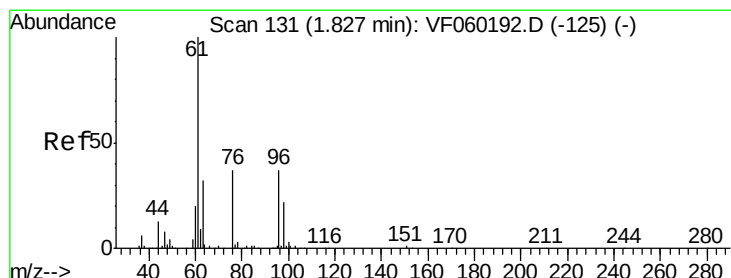
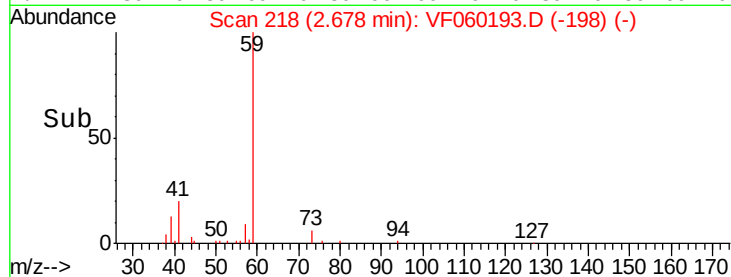
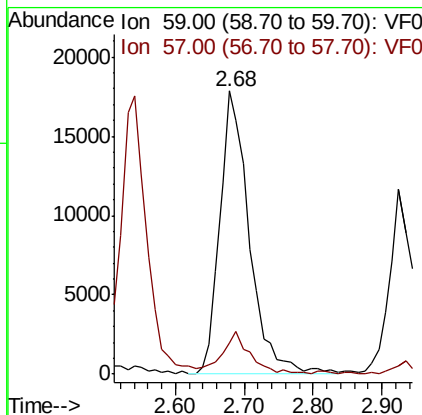
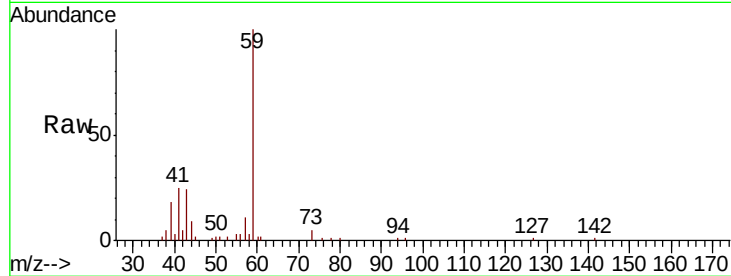
Tert butyl alcohol
 Concen: 1492.06 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	59	Resp	53052
Ion Ratio	100	Lower	Upper
57	11.0	10.7	16.1

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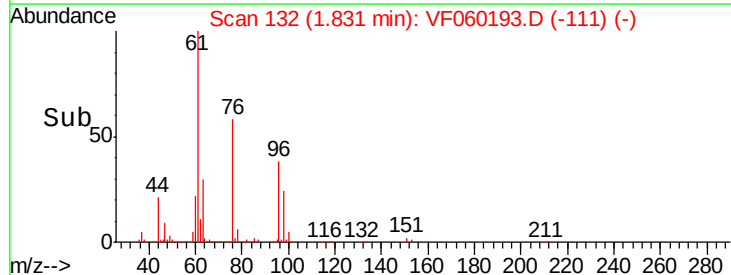
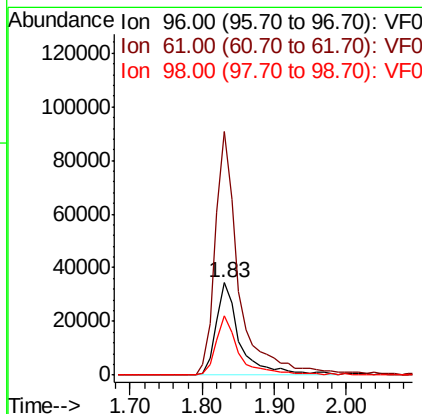
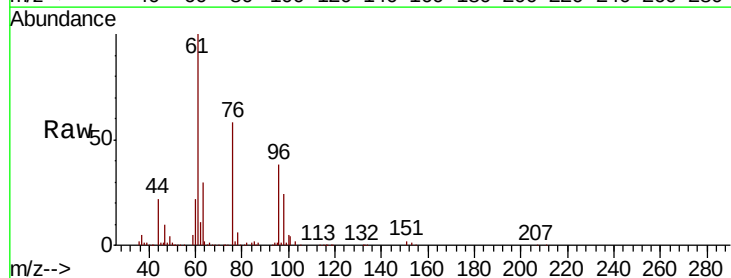
apatel
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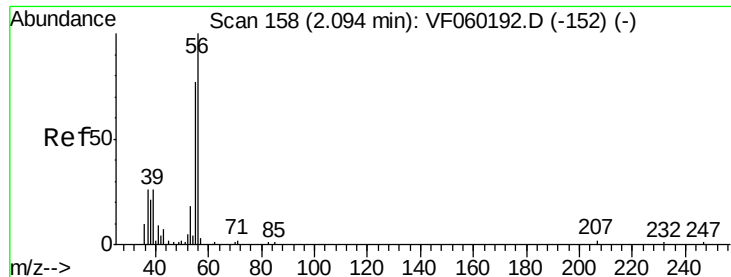


#12

1,1-Dichloroethene
 Concen: 54.86 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion	96	Resp	79092
Ion Ratio	100	Lower	Upper
61	264.1	215.2	322.8
98	64.3	47.6	71.4





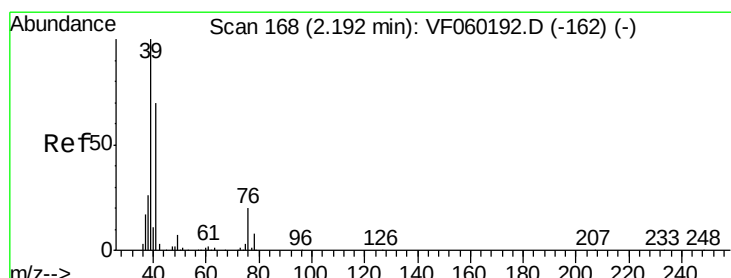
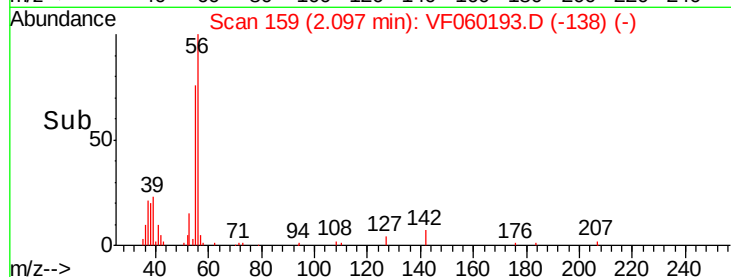
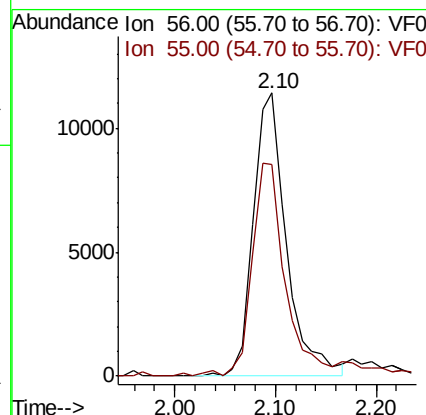
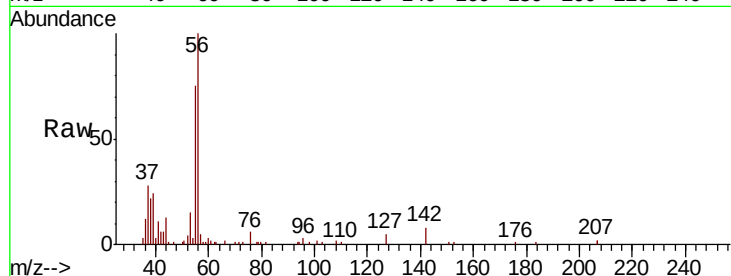
#13
Acrolein
Concen: 851.81 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	56	Resp	26086
Ion Ratio	100	Lower	Upper
56	100		
55	74.7	61.4	92.0

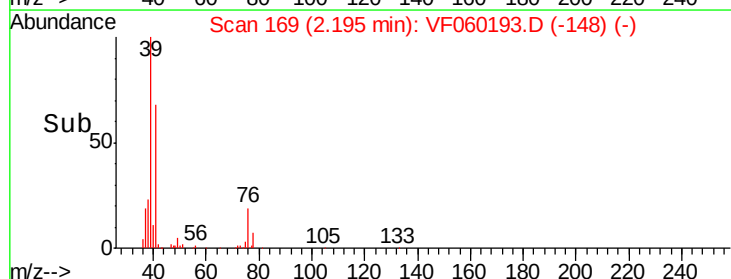
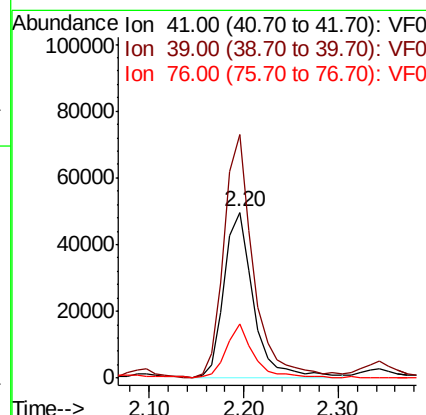
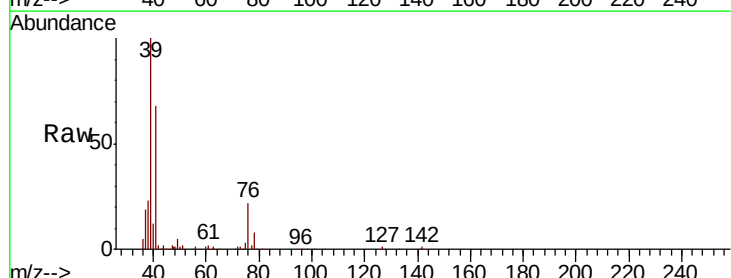
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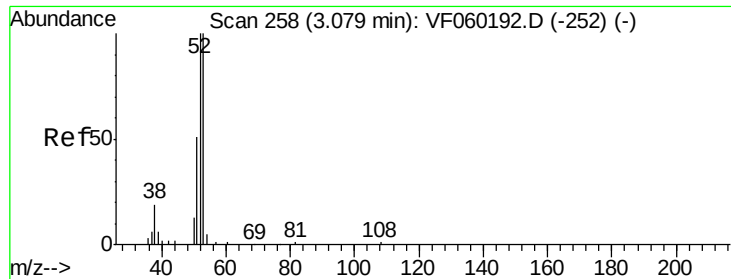
apatel
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#14
Allyl chloride
Concen: 81.28 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	41	Resp	106469
Ion Ratio	100	Lower	Upper
41	100		
39	147.0	114.6	172.0
76	32.4	23.1	34.7





#15

Acrylonitrile

Concen: 1009.33 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

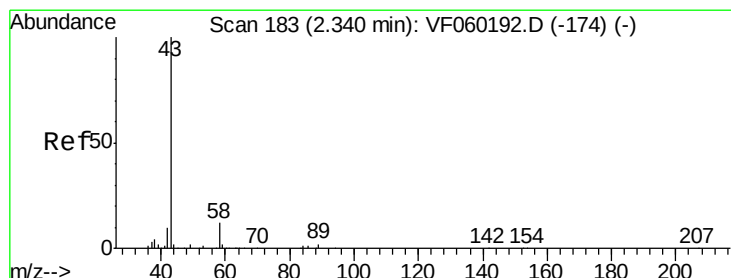
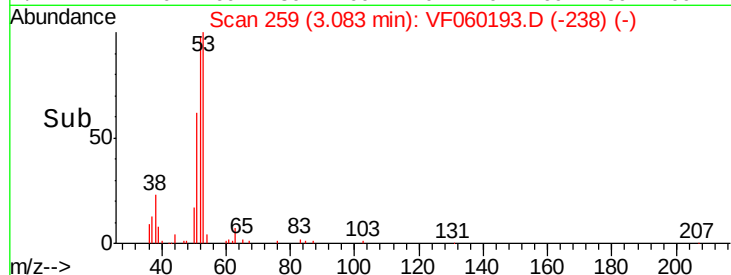
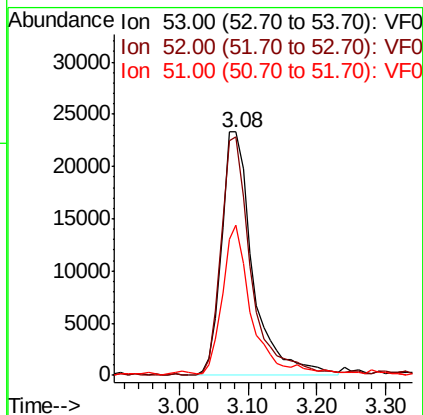
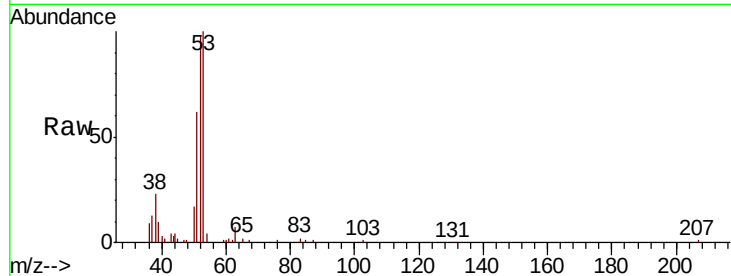
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	73743
Ion	Ratio	Lower	Upper
53	100		
52	97.9	80.2	120.4
51	61.9	42.4	63.6

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#16

Acetone

Concen: 1032.46 ug/l

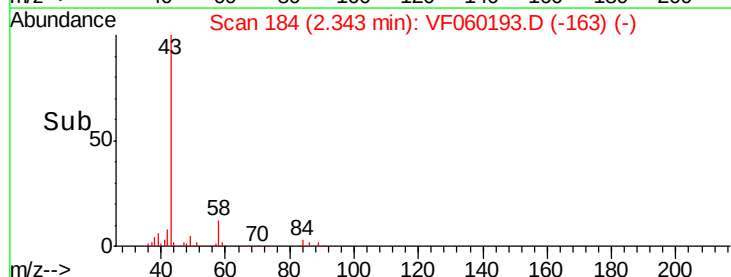
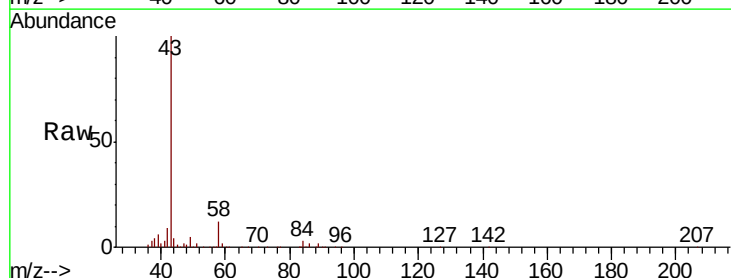
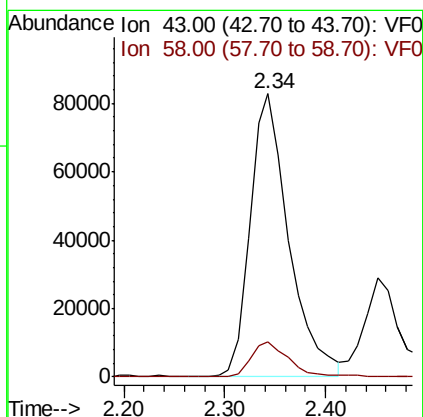
RT: 2.34 min Scan# 184

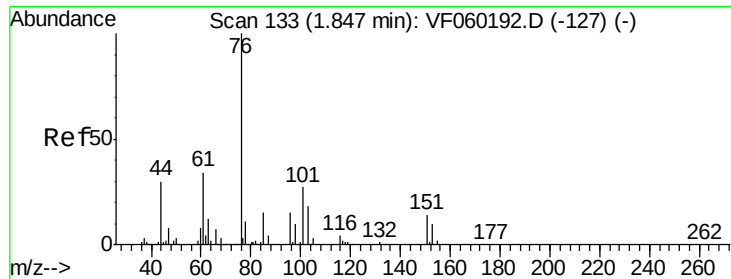
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	43	Resp:	218950
Ion	Ratio	Lower	Upper
43	100		
58	12.3	9.6	14.4





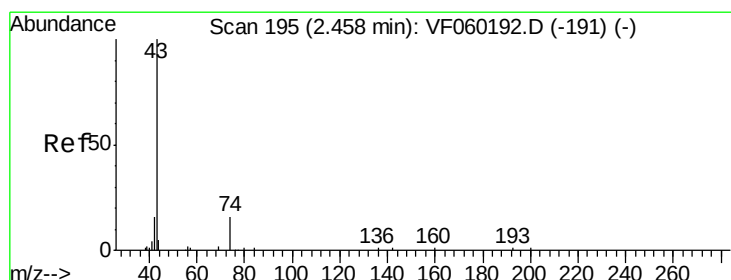
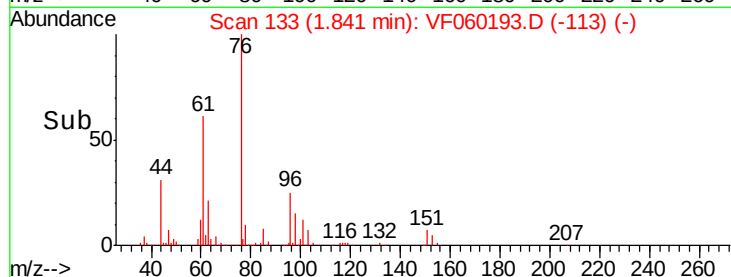
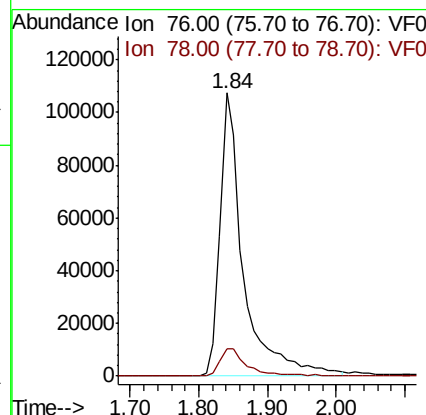
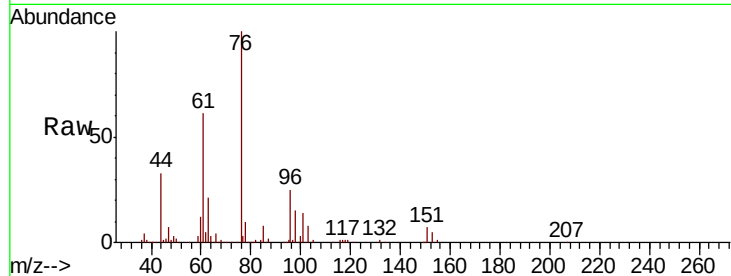
#17
Carbon Disulfide
Concen: 59.94 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	8.6	13.0

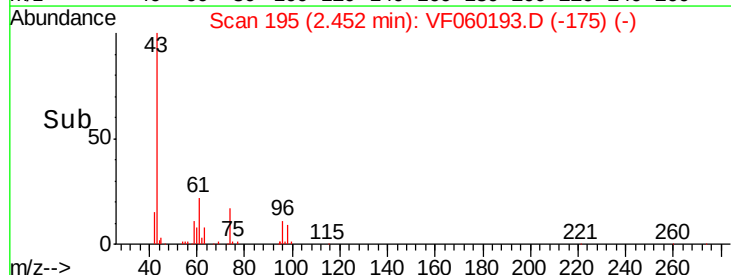
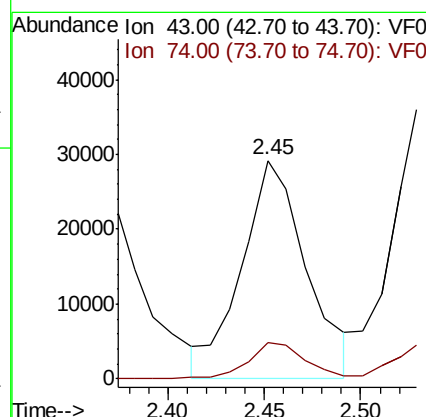
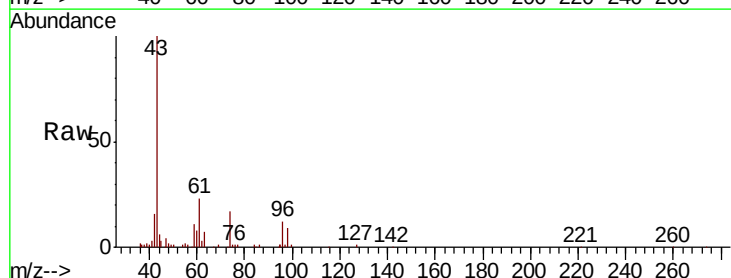
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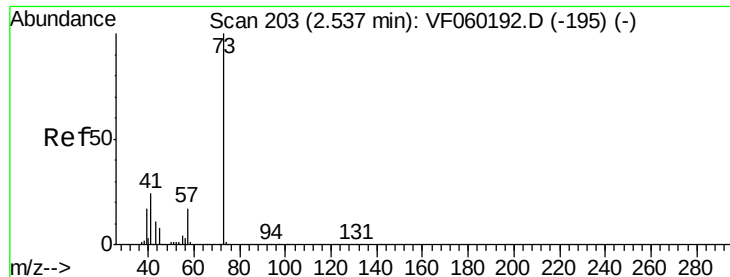
apatel
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#18
Methyl Acetate
Concen: 161.09 ug/l m
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.7	11.0	16.4#





#19

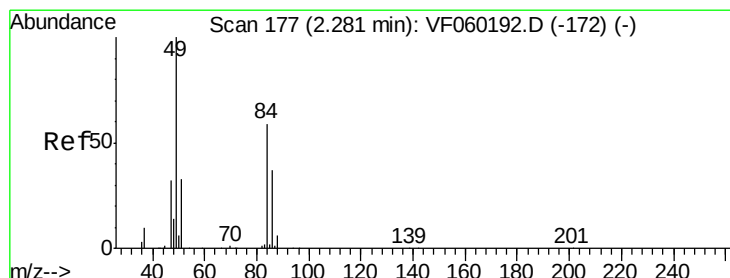
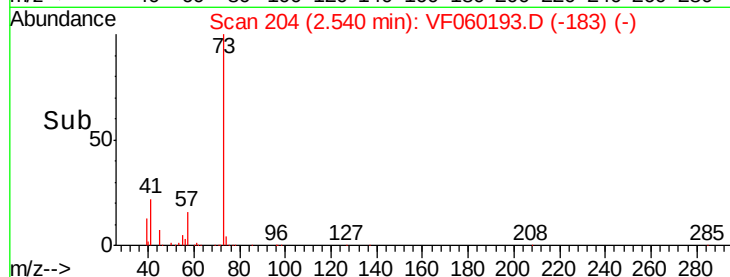
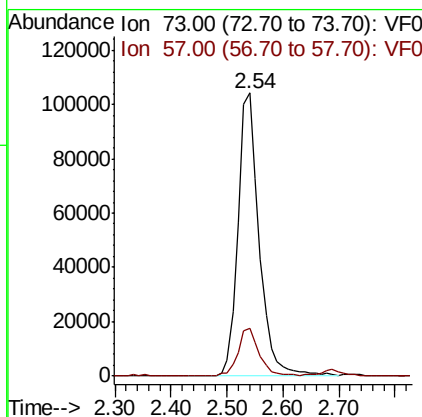
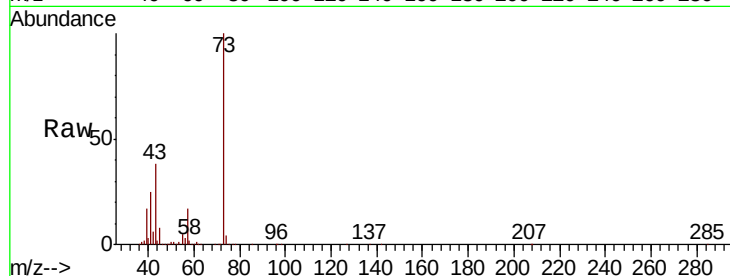
Methyl tert-butyl Ether
 Concen: 176.54 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.8	13.6	20.4

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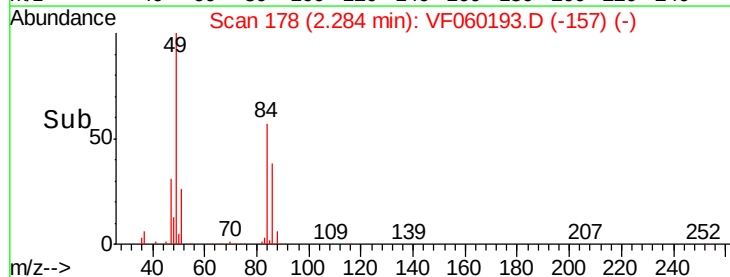
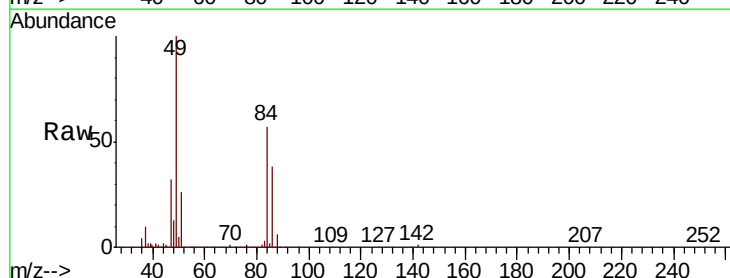
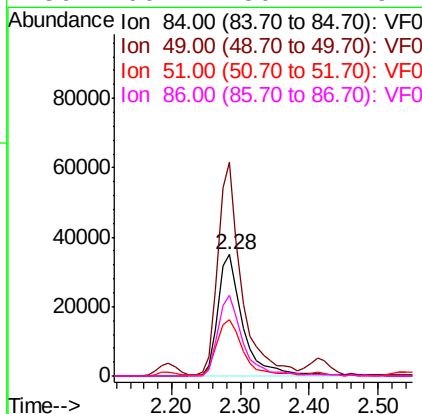
apatel
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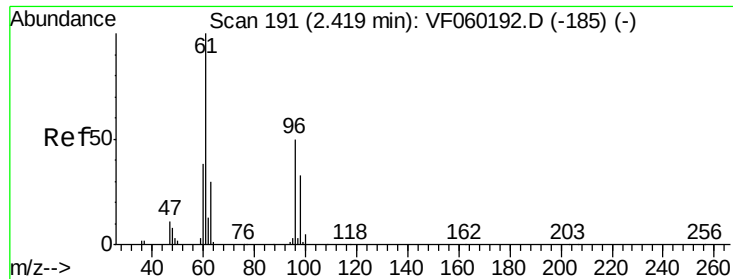


#20

Methylene Chloride
 Concen: 93.93 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	176.0	136.4	204.6
51	46.1	45.1	67.7
86	66.4	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 69.50 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

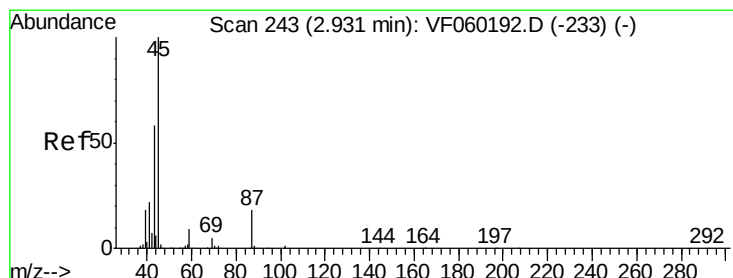
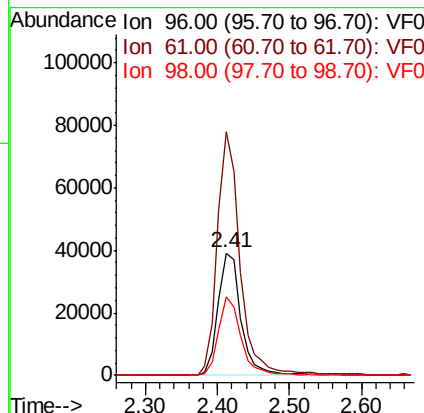
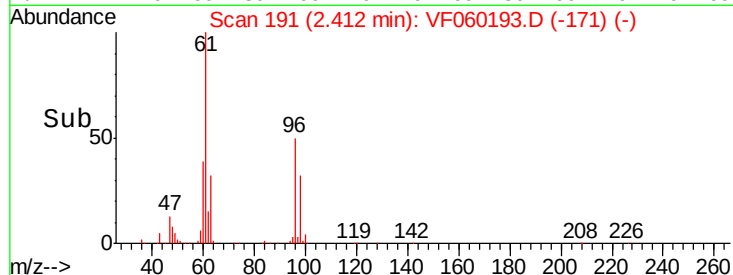
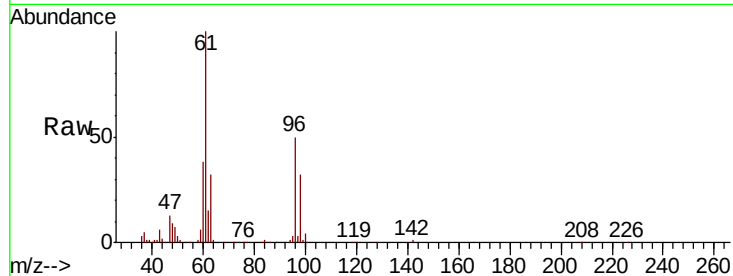
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	86502
Ion	Ratio	Lower	Upper
96	100		
61	199.3	159.8	239.8
98	64.1	51.9	77.9

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#22

Diisopropyl ether

Concen: 122.05 ug/l

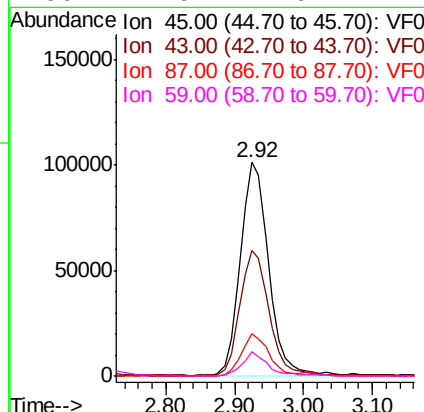
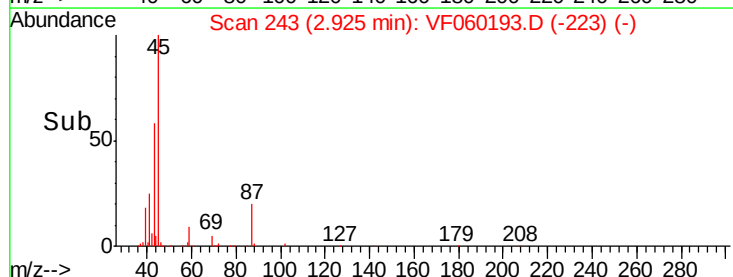
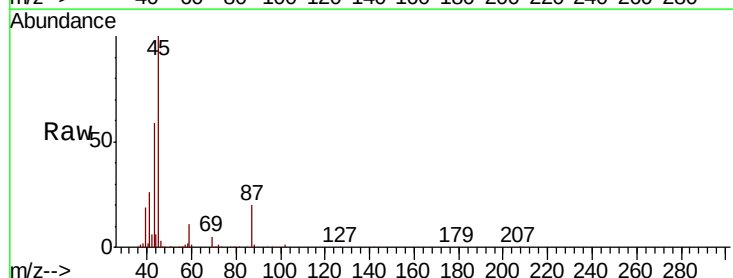
RT: 2.92 min Scan# 243

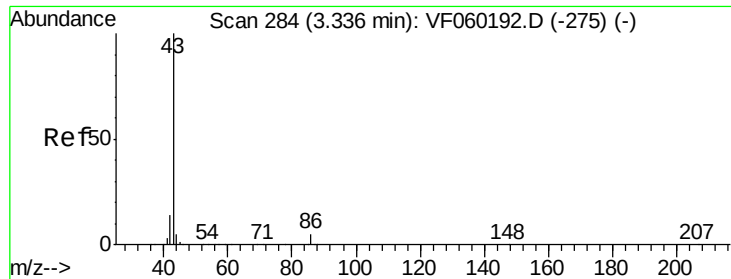
Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	45	Resp:	289960
Ion	Ratio	Lower	Upper
45	100		
43	58.9	46.6	70.0
87	19.8	14.3	21.5
59	11.5	7.6	11.4#





#23

Vinyl Acetate

Concen: 1006.41 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

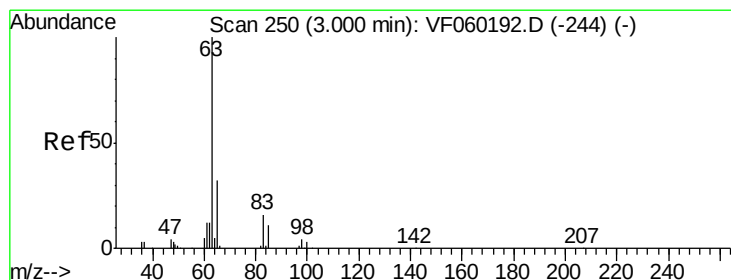
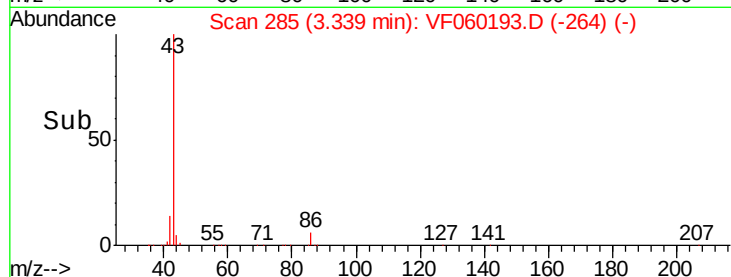
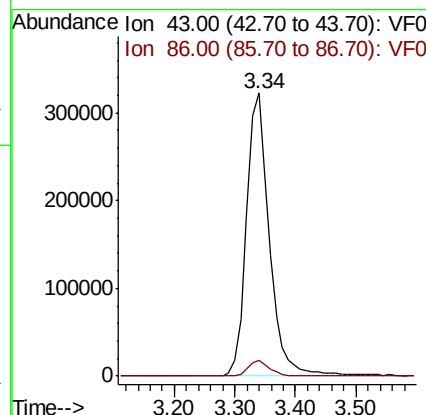
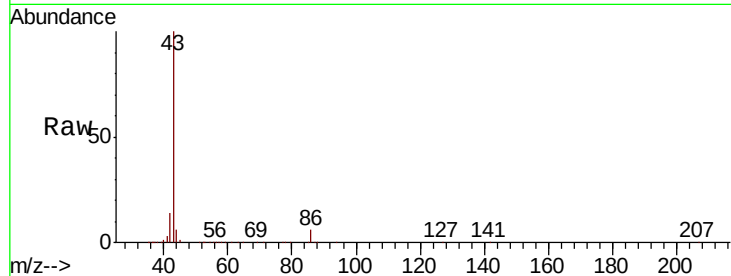
ClientSampleId :

VSTDIC075

Tot Ion	43	Resp	844127
Ion	Ratio	Lower	Upper
43	100		
86	5.8	4.0	6.0

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#24

1,1-Dichloroethane

Concen: 87.09 ug/l

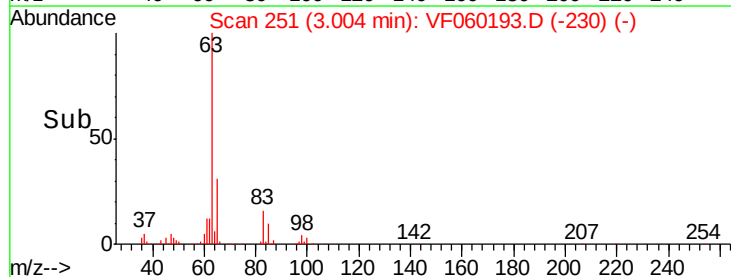
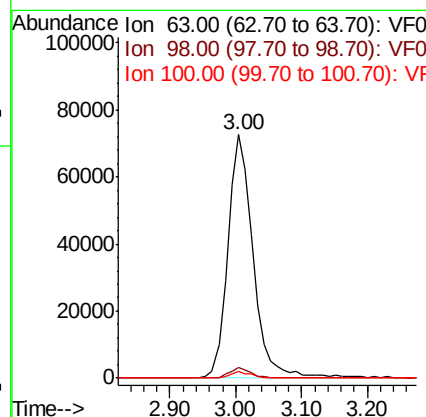
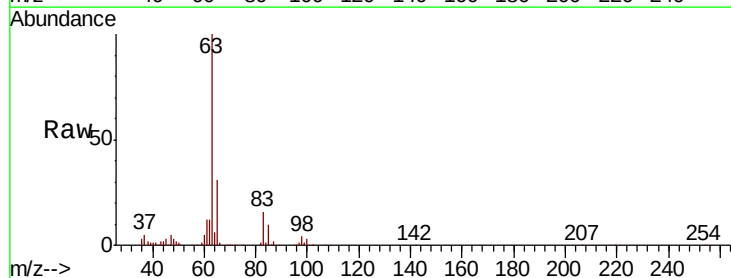
RT: 3.00 min Scan# 251

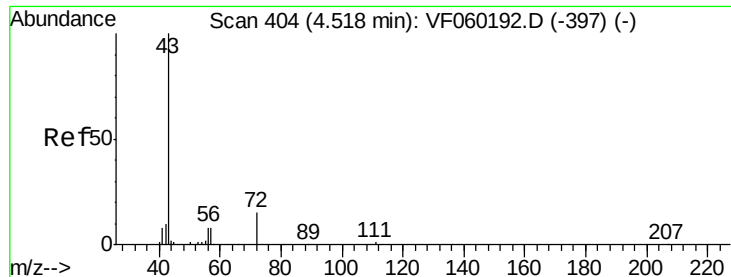
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion	63	Resp	194363
Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.9	5.7
100	2.6	1.5	4.4





#25

2-Butanone

Concen: 1193.41 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 272243

Ion Ratio Lower Upper

43 100

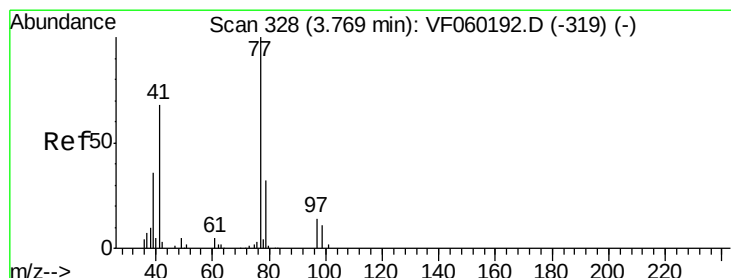
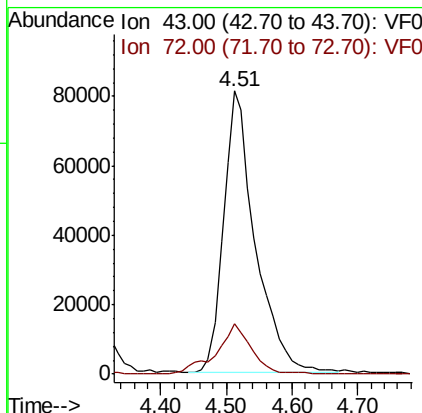
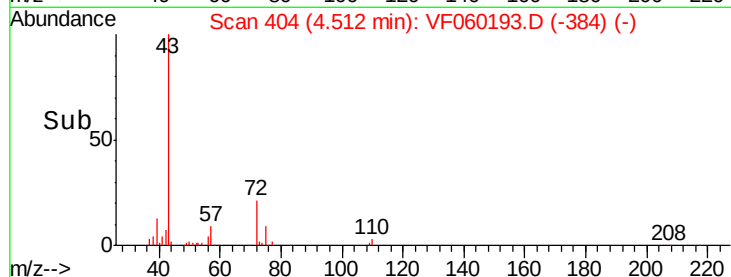
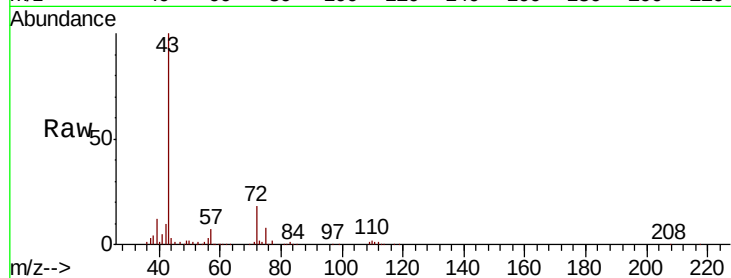
72 17.8 14.4 21.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 130.84 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF060193.D

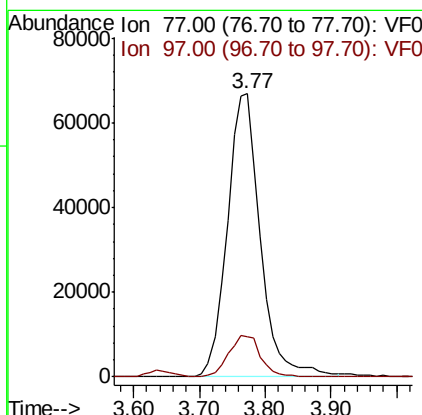
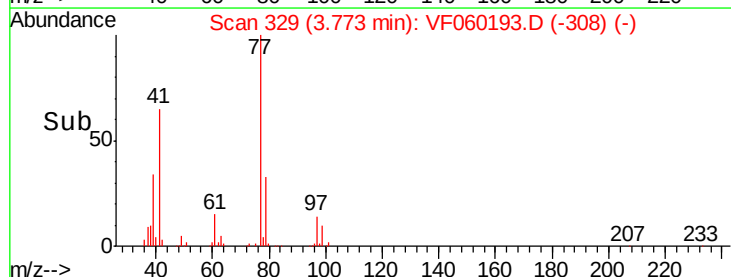
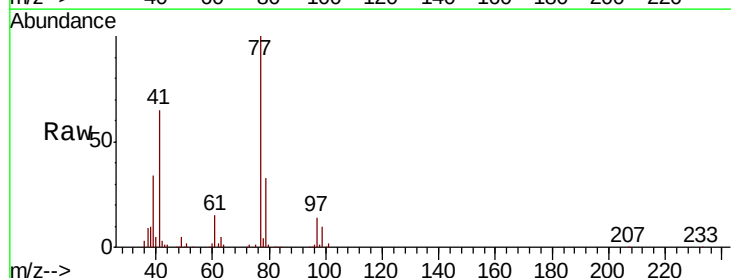
Acq: 29 Aug 2018 16:58

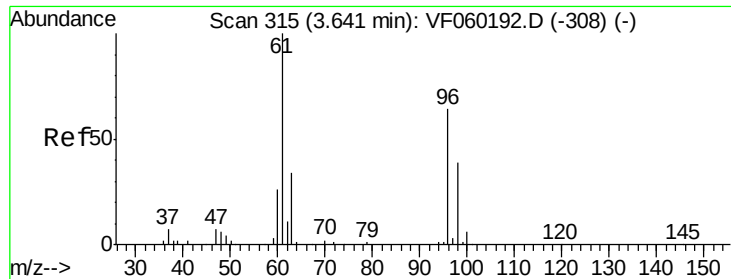
Tgt Ion: 77 Resp: 235103

Ion Ratio Lower Upper

77 100

97 14.3 7.1 21.4





#27

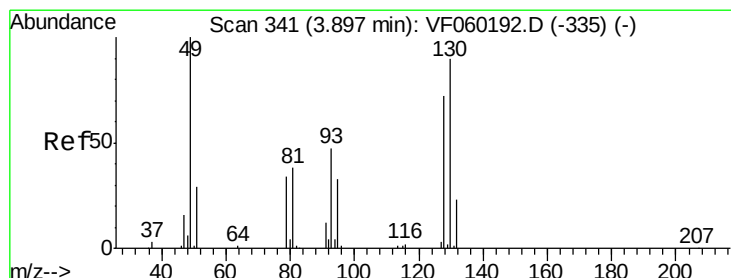
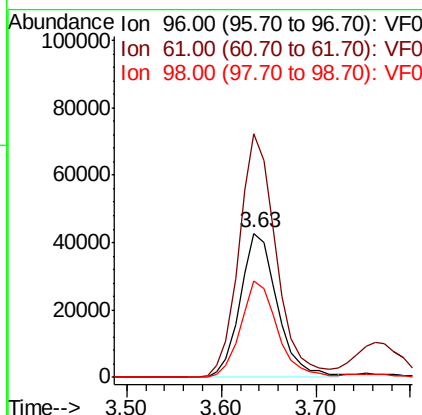
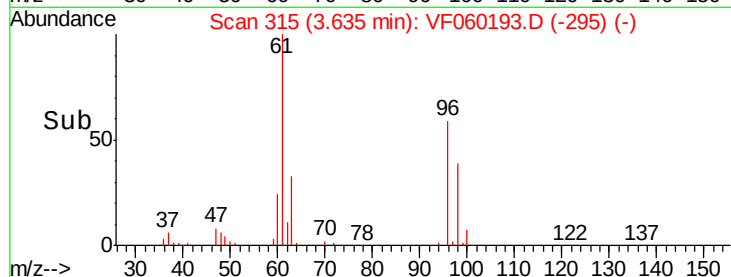
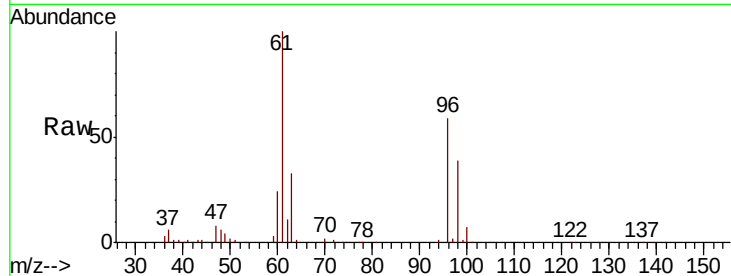
cis-1,2-Dichloroethene
Concen: 115.65 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116344		
61	168.7	0.0	311.8	
98	66.5	0.0	121.4	

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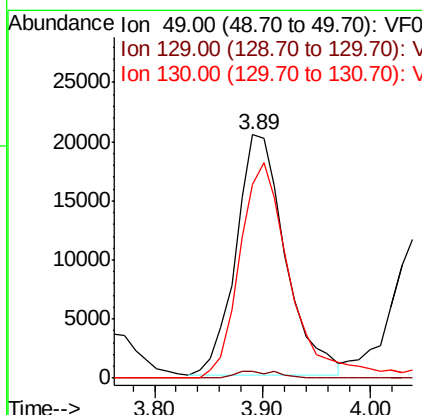
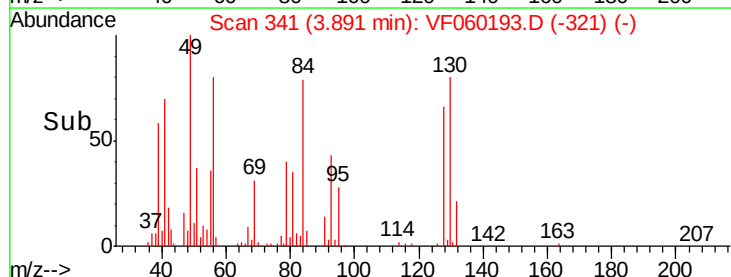
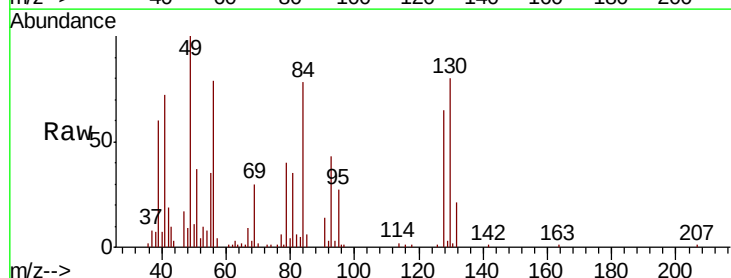
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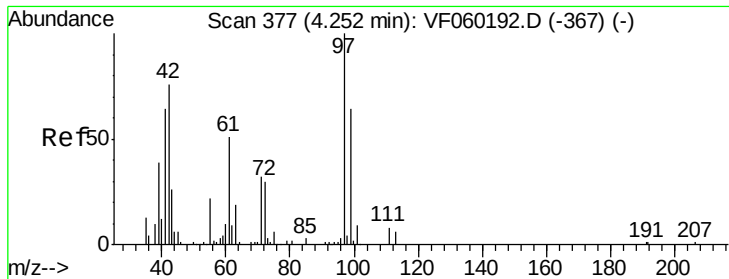


#28

Bromochloromethane
Concen: 115.56 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64355		
129	2.6	0.0	3.8	
130	81.5	70.3	105.5	





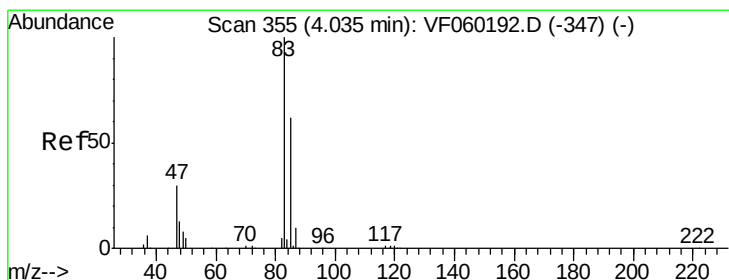
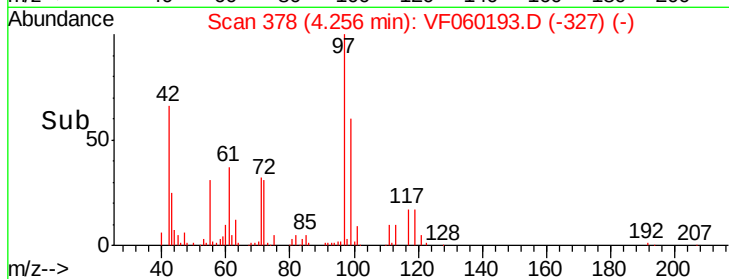
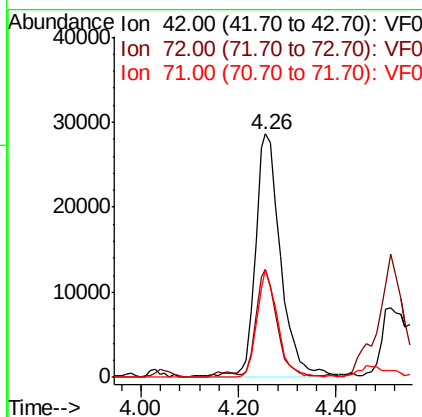
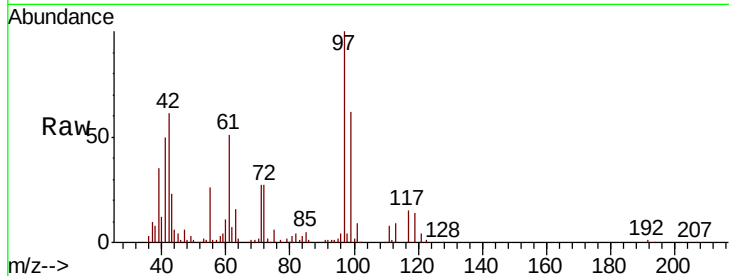
#29
Tetrahydrofuran
Concen: 1111.21 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
42	100	103107		
72	36.7		28.2	42.2
71	36.3		28.6	42.8

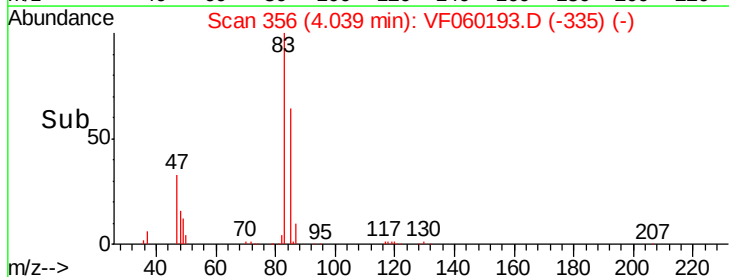
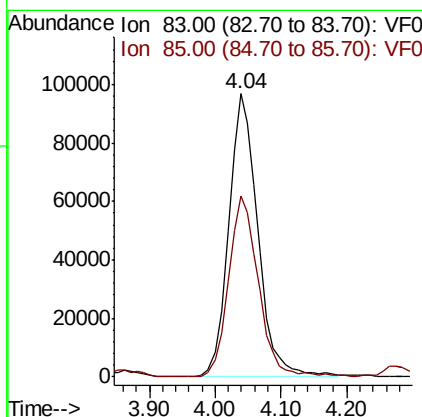
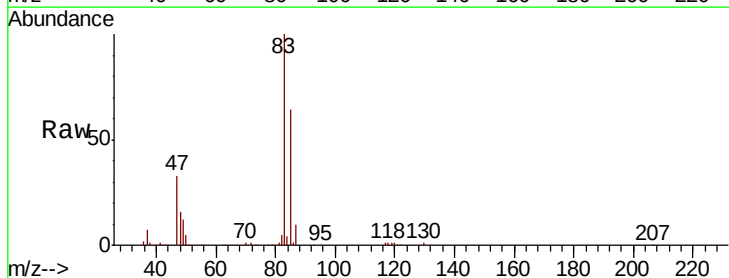
Manual Integrations
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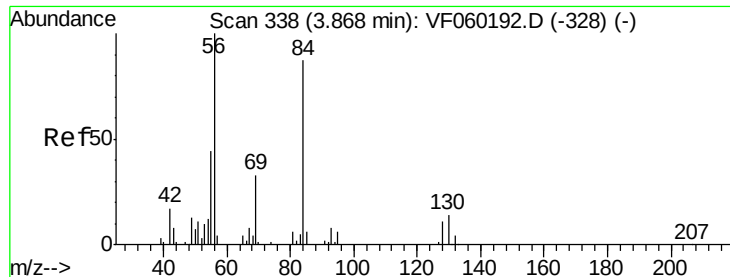
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#30
Chloroform
Concen: 109.85 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	298793		
85	64.1		49.5	74.3





#31

Cyclohexane

Concen: 69.89 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

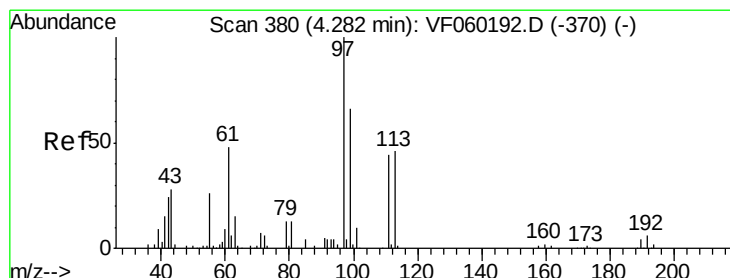
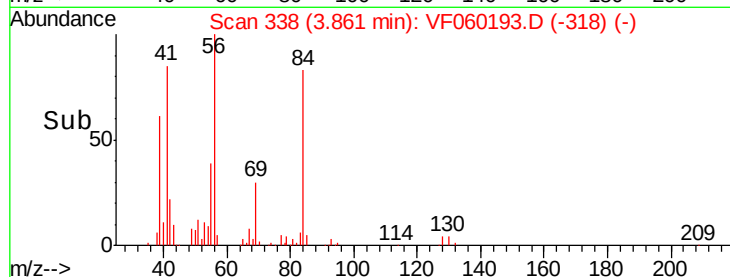
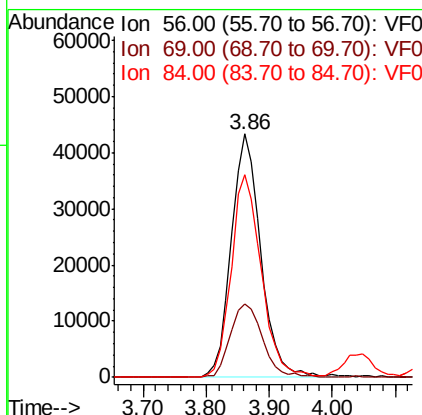
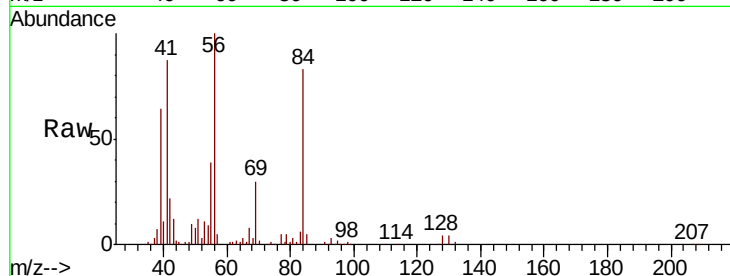
ClientSampleId :

VSTDIC075

Tot Ion:	56	Resp:	140067
Ion Ratio	Lower	Upper	
56	100		
69	30.1	26.4	39.6
84	83.2	69.9	104.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 78.38 ug/l

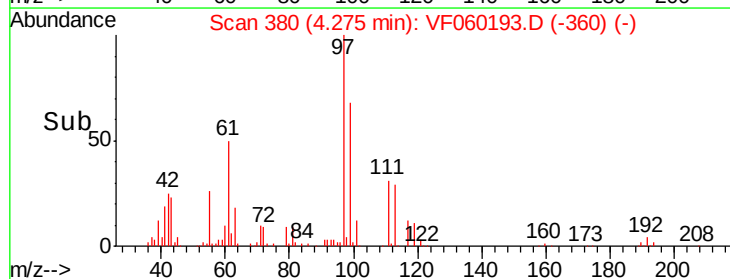
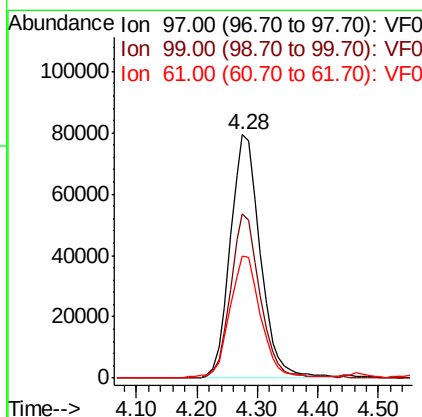
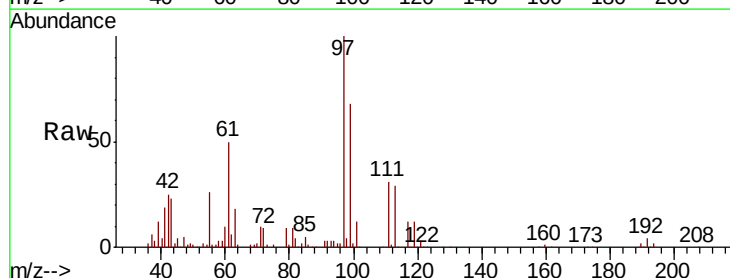
RT: 4.28 min Scan# 380

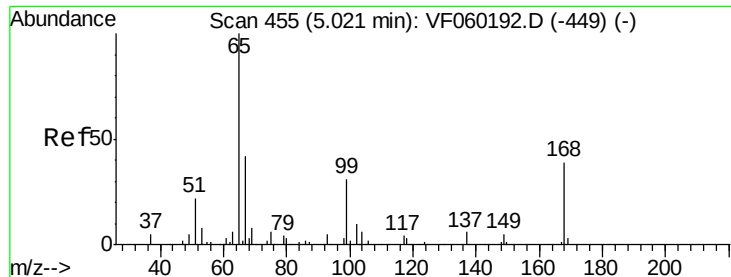
Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	97	Resp:	274574
Ion Ratio	Lower	Upper	
97	100		
99	67.6	53.0	79.6
61	50.0	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 156.60 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 203179

Ion Ratio Lower Upper

65 100

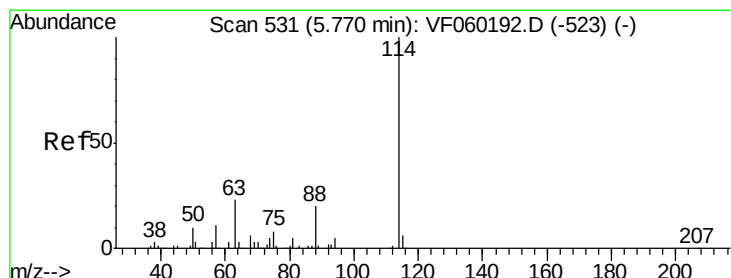
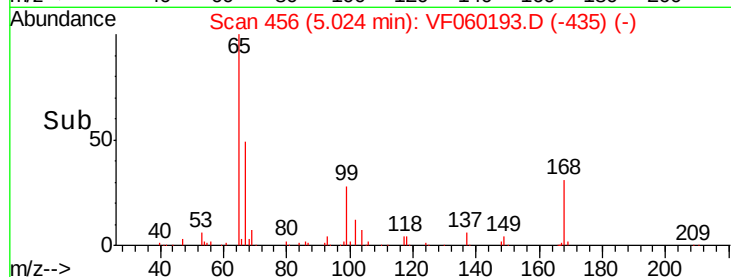
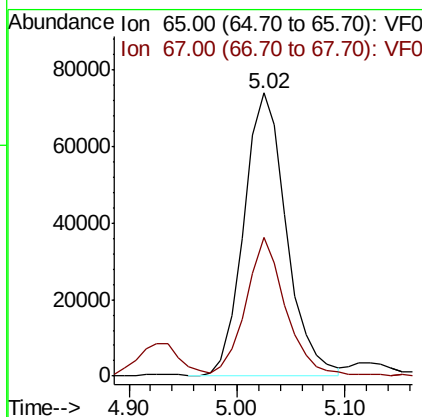
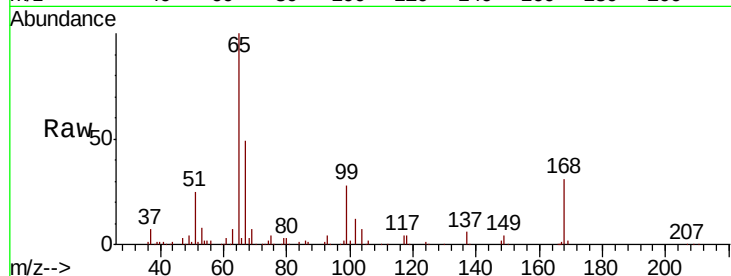
67 48.8 0.0 87.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

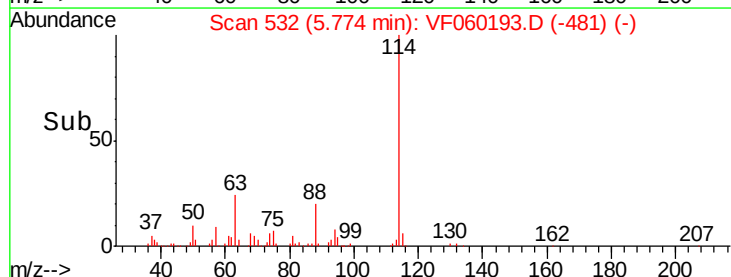
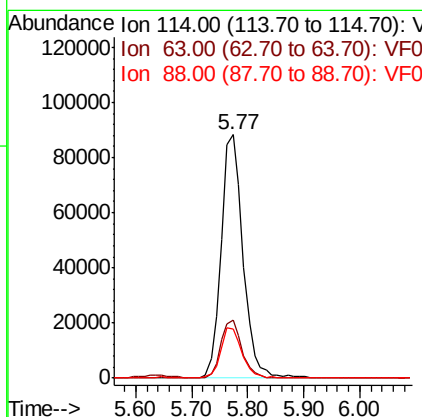
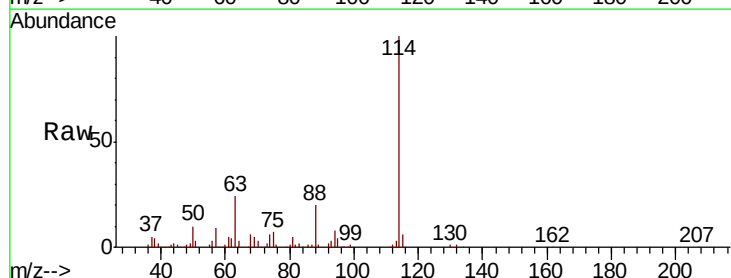
Tgt Ion: 114 Resp: 239889

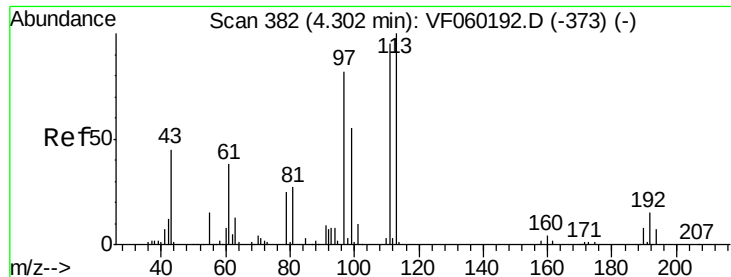
Ion Ratio Lower Upper

114 100

63 23.7 0.0 46.4

88 20.0 0.0 40.4





#35

Dibromofluoromethane

Concen: 89.04 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

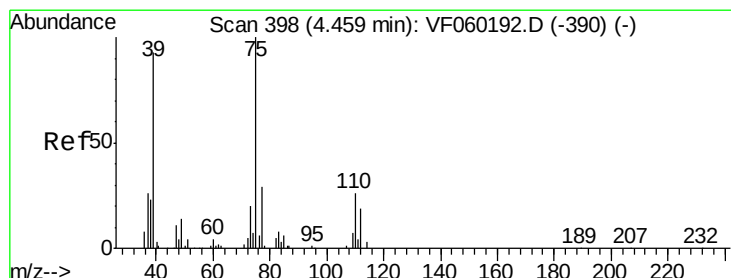
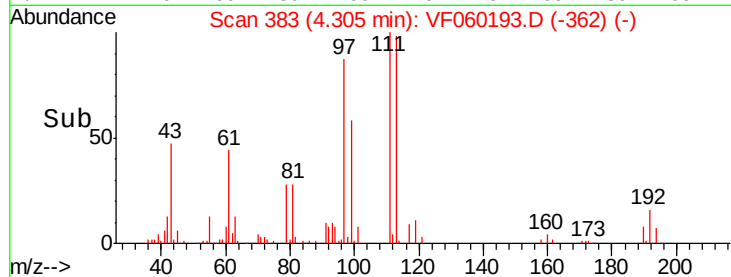
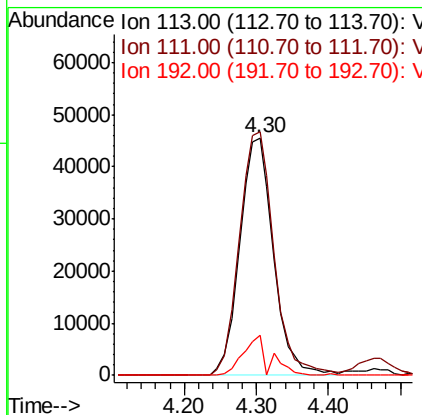
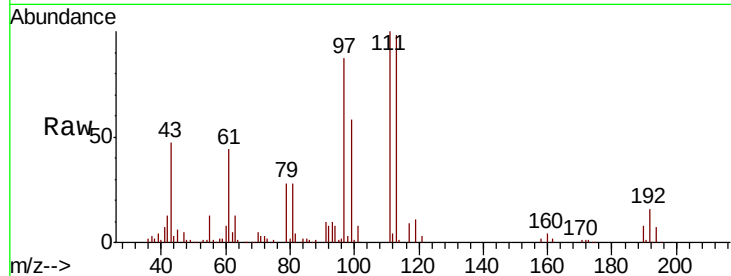
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	148786
Ion Ratio	Lower	Upper	
113	100		
111	102.0	75.8	113.8
192	16.7	12.2	18.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 58.30 ug/l

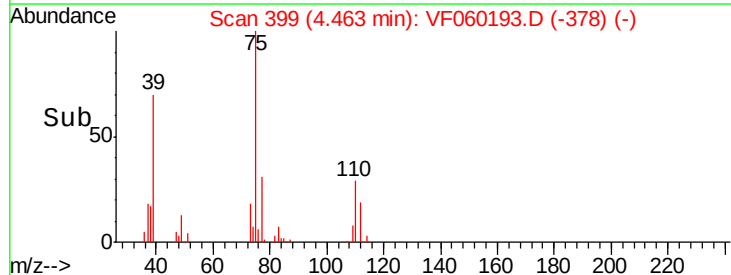
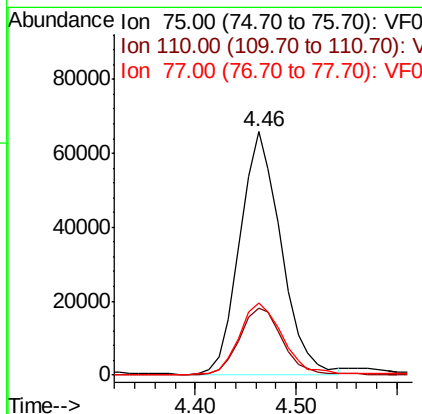
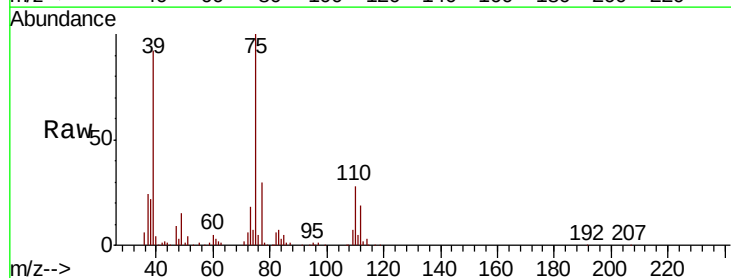
RT: 4.46 min Scan# 399

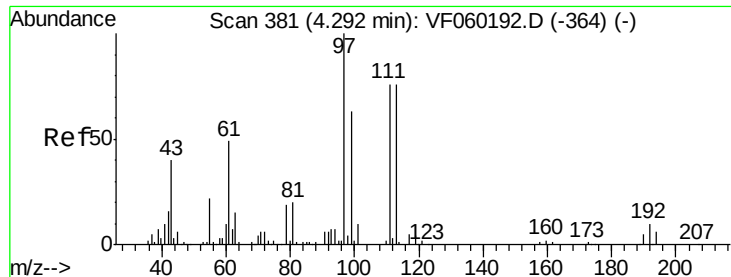
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	75	Resp:	187276
Ion Ratio	Lower	Upper	
75	100		
110	27.7	13.0	38.9
77	29.6	22.9	34.3





#37

Ethyl Acetate

Concen: 171.22 ug/l

RT: 4.29 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

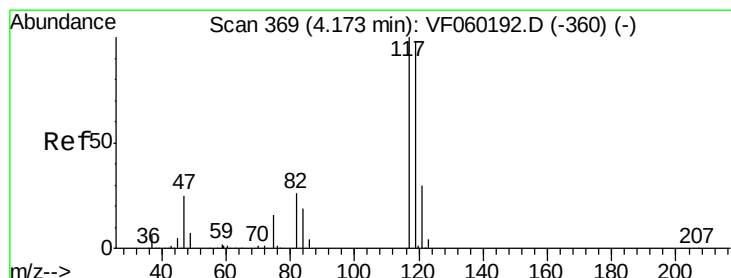
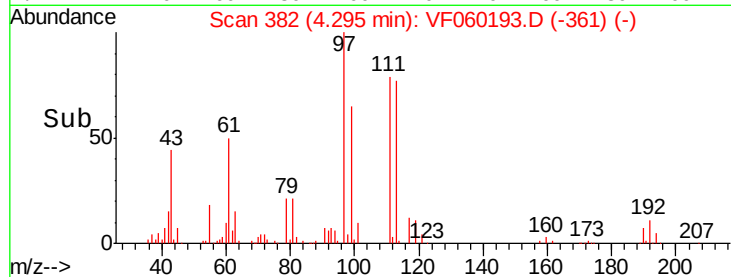
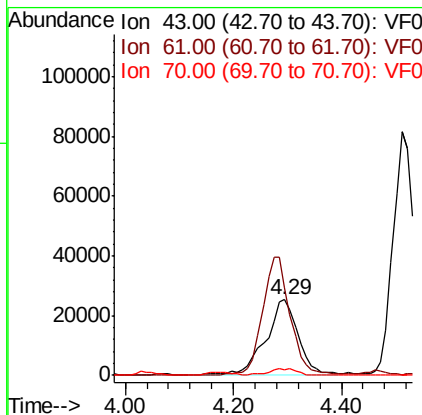
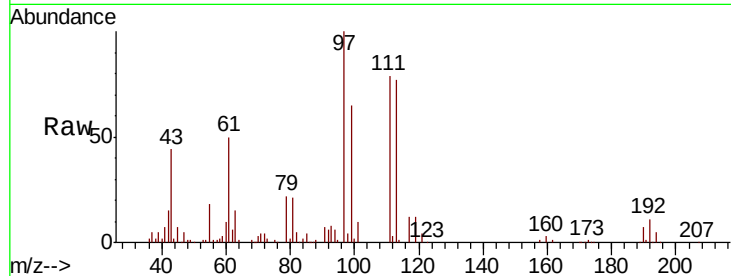
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	115.3	97.2	145.8
70	7.9	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 58.69 ug/l

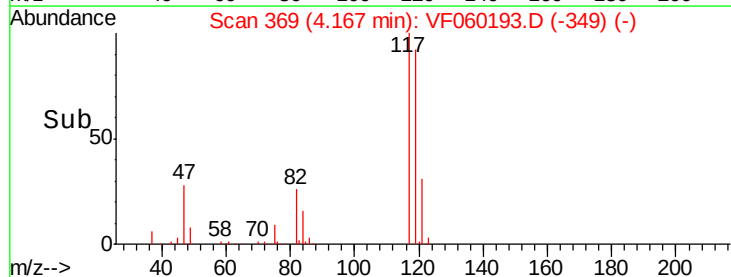
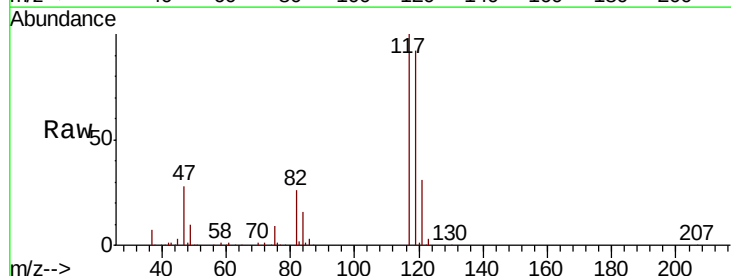
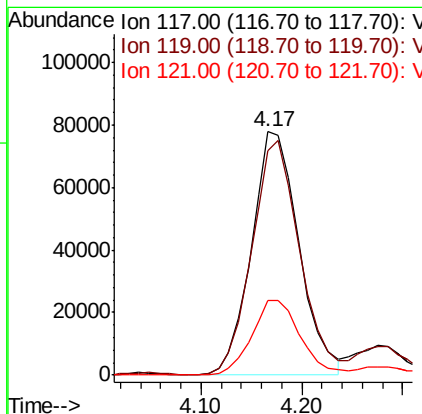
RT: 4.17 min Scan# 369

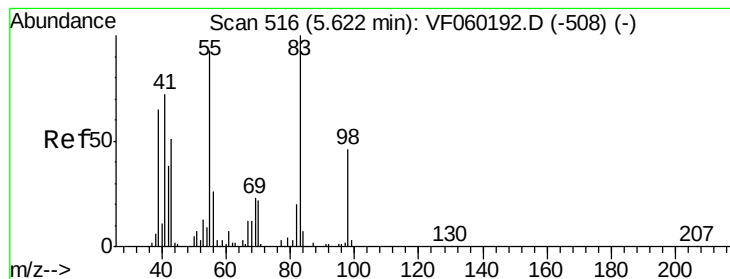
Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	79.0	118.6
121	30.9	24.6	37.0





#39

Methylvlcyclohexane

Concen: 53.37 ug/l

RT: 5.63 min Scan# 517

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

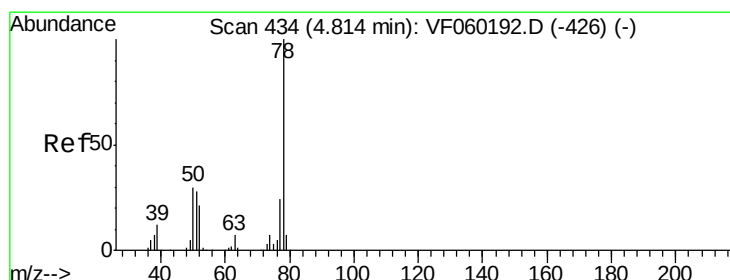
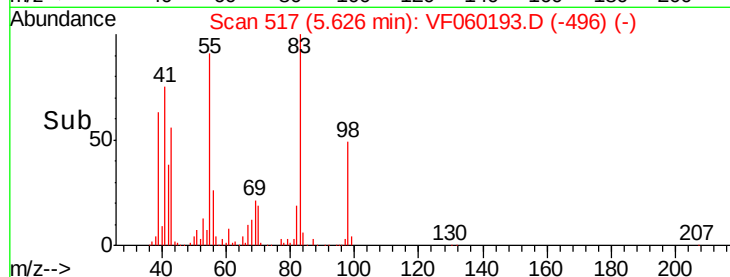
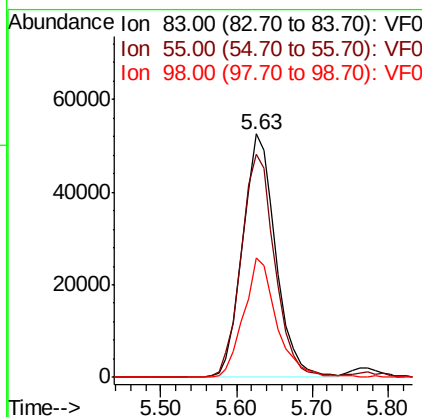
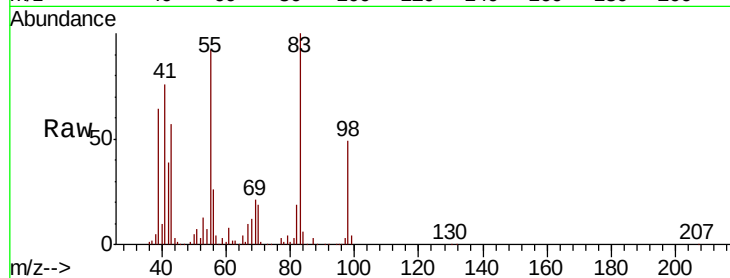
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	160158
Ion Ratio	Lower	Upper	
83	100		
55	91.7	74.5	111.7
98	49.3	36.7	55.1

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#40

Benzene

Concen: 77.81 ug/l

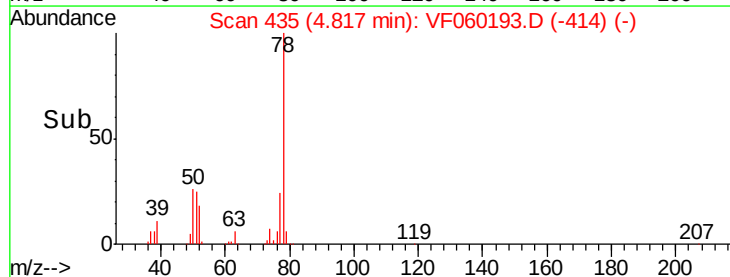
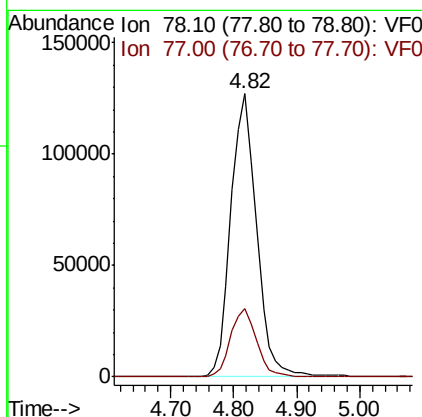
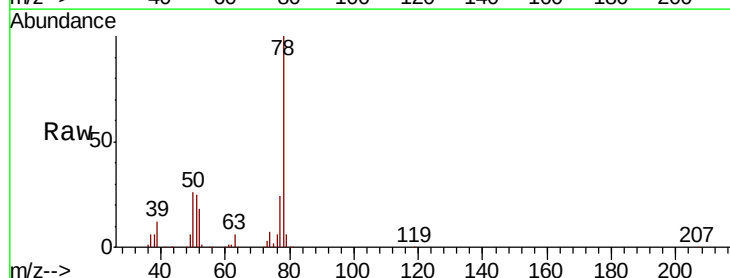
RT: 4.82 min Scan# 435

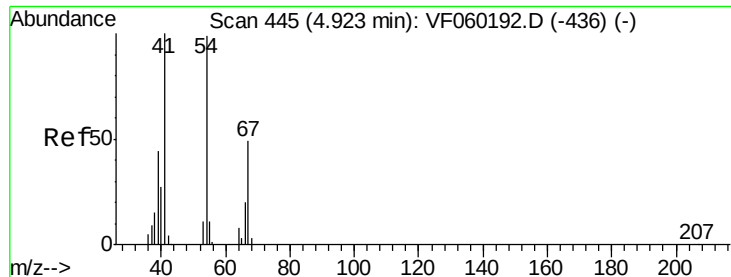
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	78	Resp:	360495
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.4	29.0





#41

Methacrylonitrile

Concen: 160.77 ug/l

RT: 4.93 min Scan# 446

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

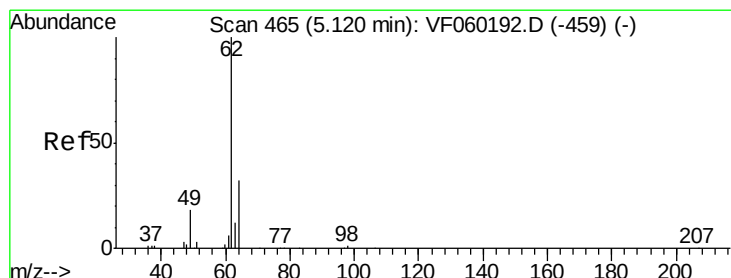
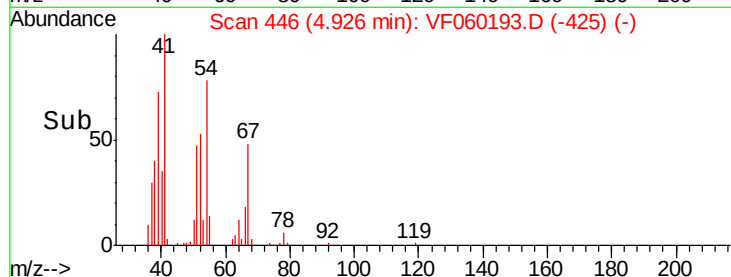
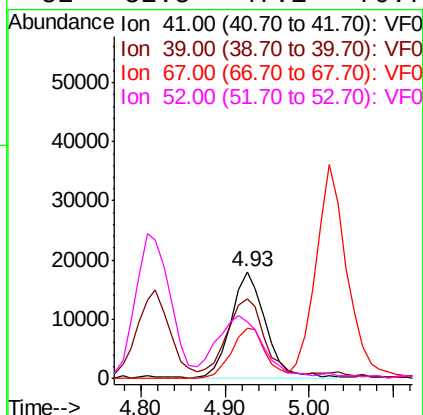
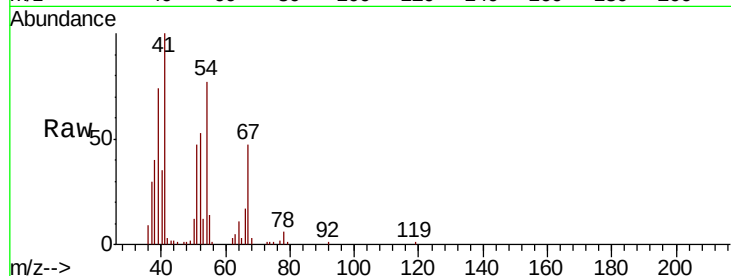
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.1	64.5	96.7
67	46.7	38.5	57.7
52	52.5	47.1	70.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 132.04 ug/l

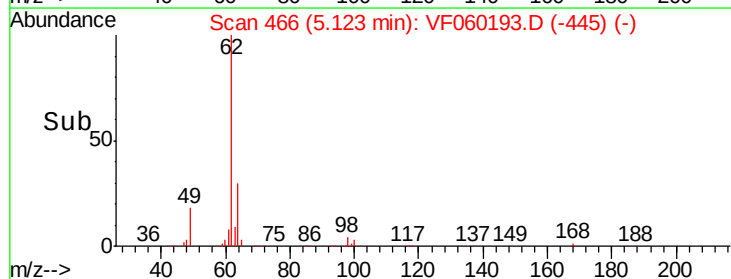
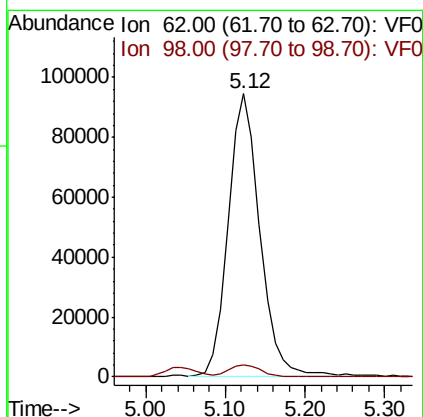
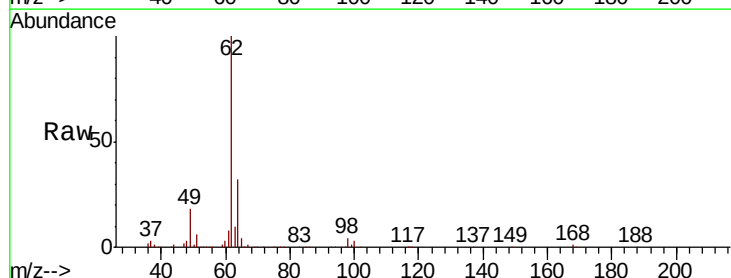
RT: 5.12 min Scan# 466

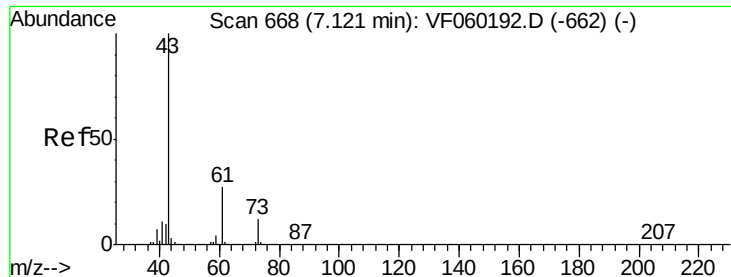
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	9.2





#43

Isopropyl Acetate

Concen: 181.07 ug/l

RT: 7.11 min Scan# 668

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

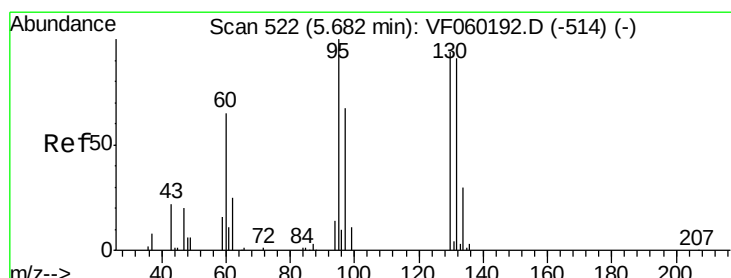
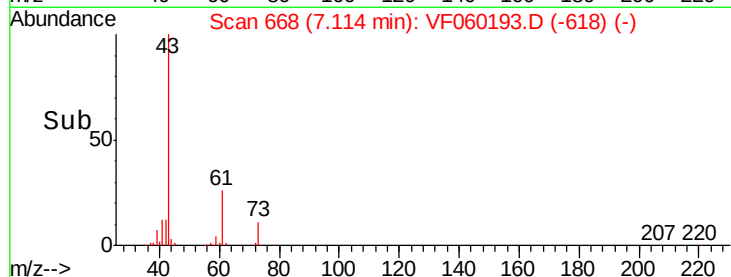
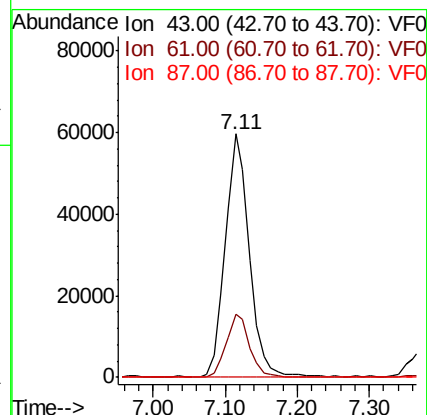
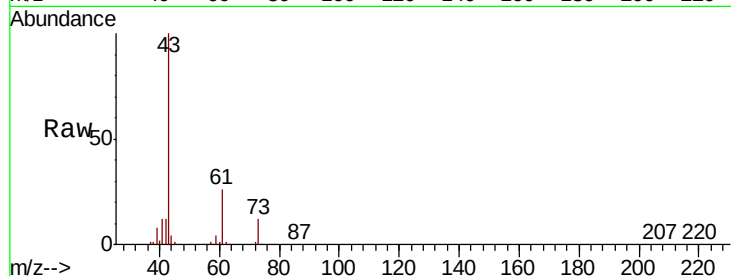
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	135897
Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.4	32.0
87	0.3	0.3	0.5

Manual Integrations
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#44

Trichloroethene

Concen: 65.26 ug/l

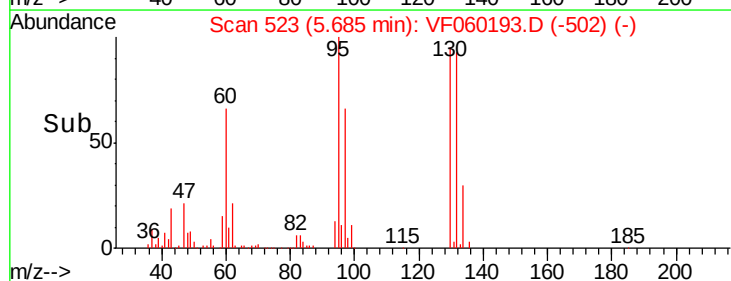
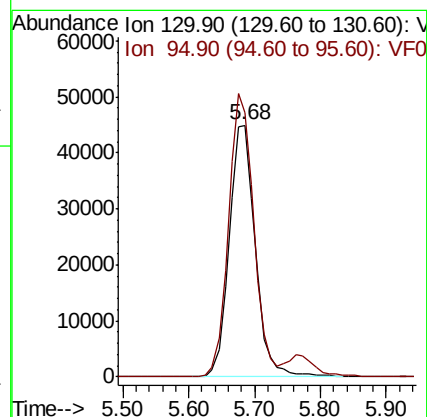
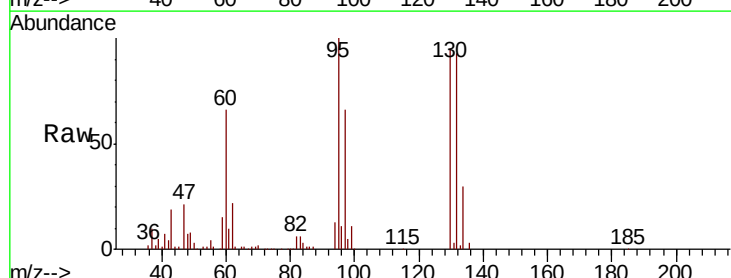
RT: 5.68 min Scan# 523

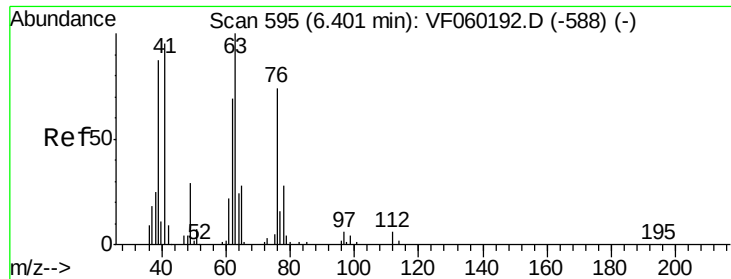
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	130	Resp:	124872
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	213.4





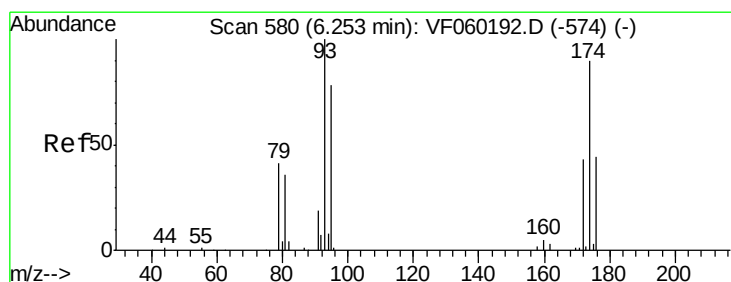
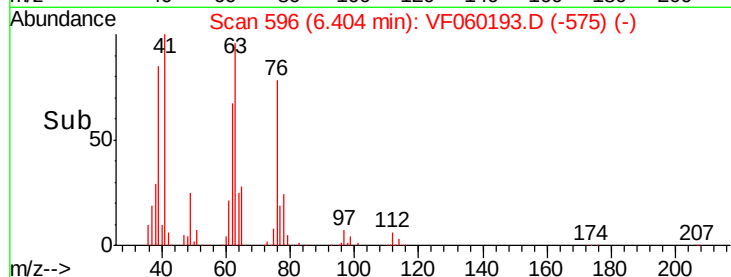
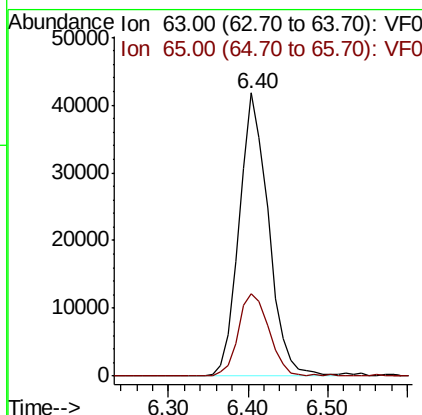
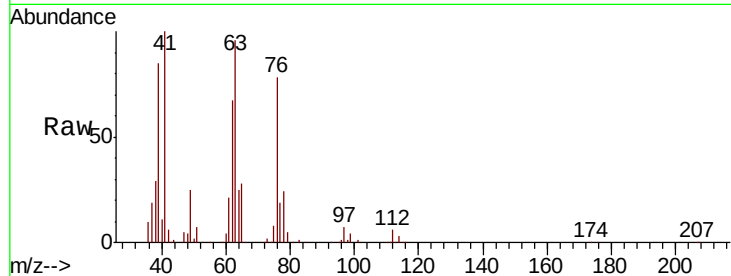
#45
 1,2-Dichloropropane
 Concen: 100.92 ug/l
 RT: 6.40 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion: 63 Resp: 106430
 Ion Ratio Lower Upper
 63 100
 65 29.1 22.2 33.4

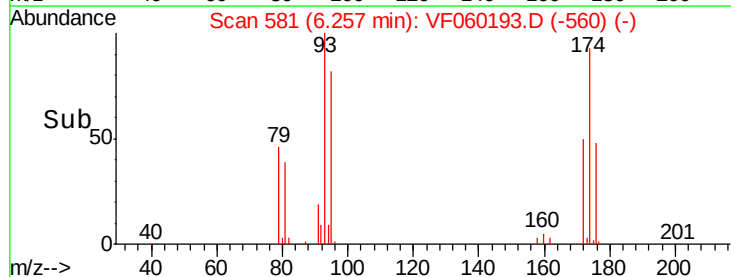
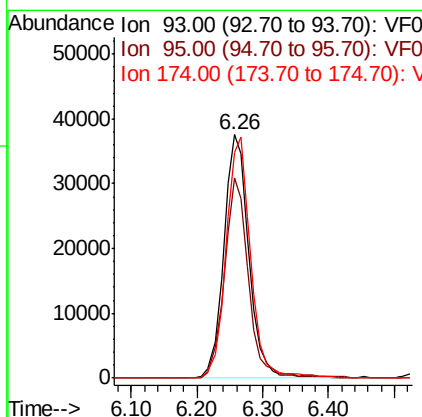
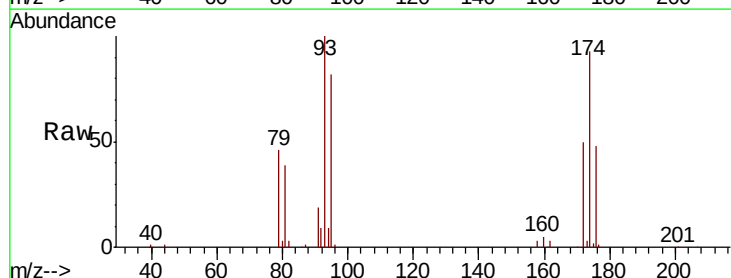
Manual Integrations
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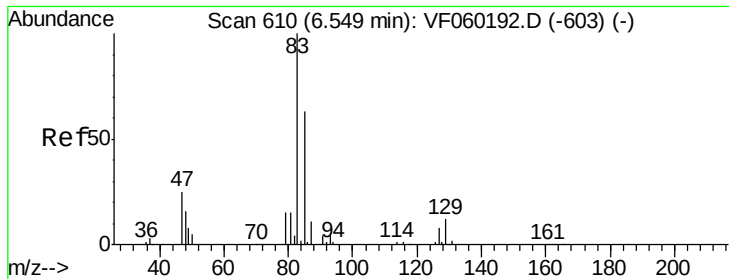
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#46
 Dibromomethane
 Concen: 153.68 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion: 93 Resp: 100140
 Ion Ratio Lower Upper
 93 100
 95 82.0 63.4 95.2
 174 92.7 72.0 108.0





#47

Bromodichloromethane

Concen: 115.63 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

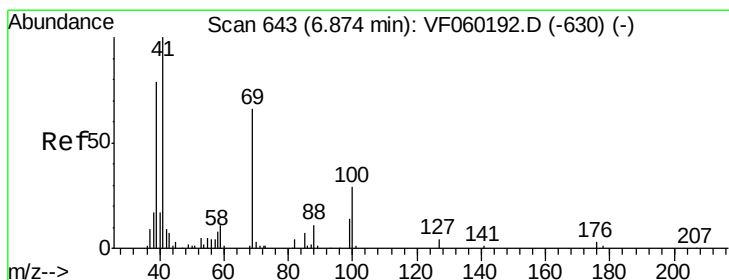
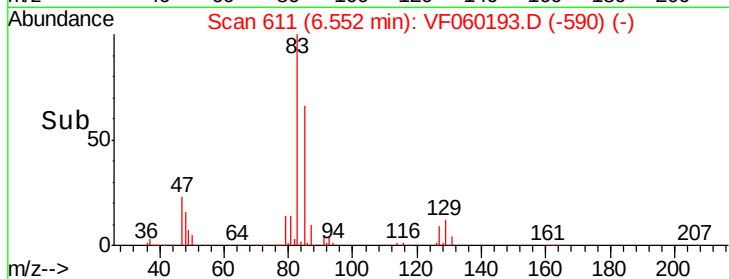
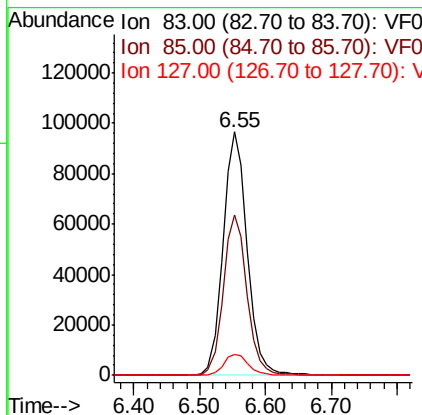
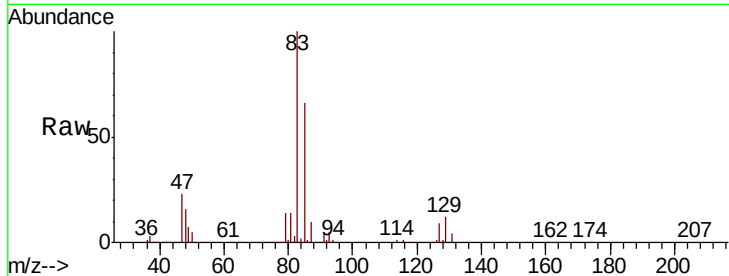
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	247618
Ion Ratio	Lower	Upper	
83	100		
85	65.8	50.1	75.1
127	8.7	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 158.40 ug/l

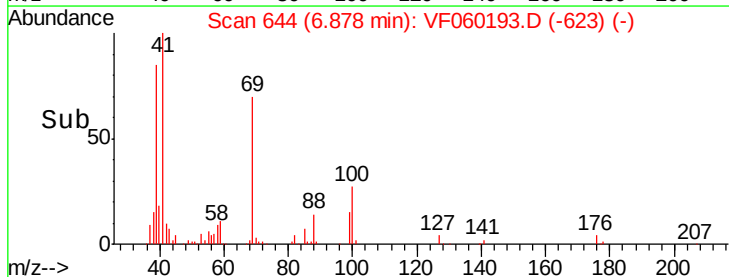
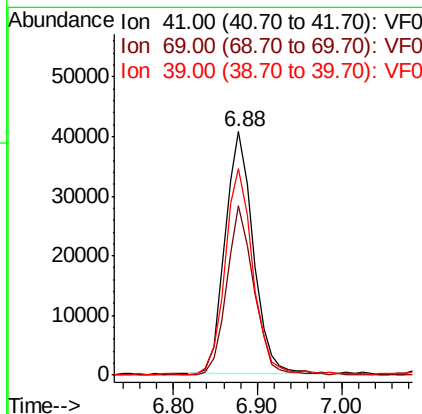
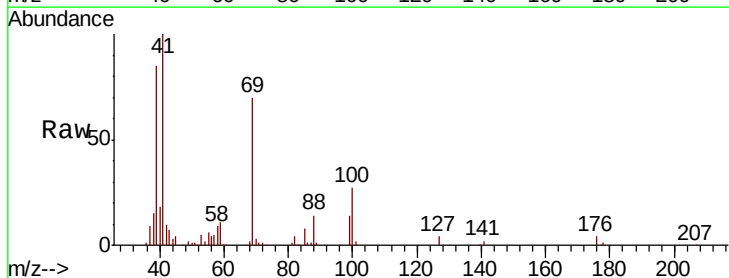
RT: 6.88 min Scan# 644

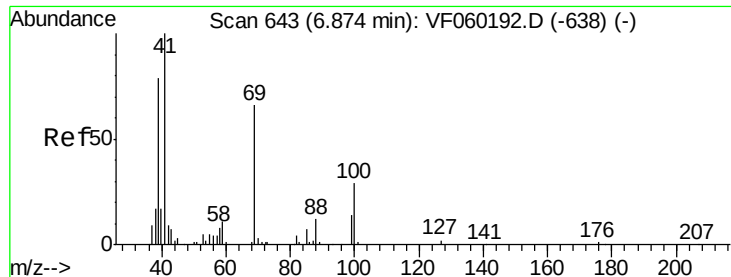
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	41	Resp:	94426
Ion Ratio	Lower	Upper	
41	100		
69	69.7	52.4	78.6
39	84.7	63.6	95.4





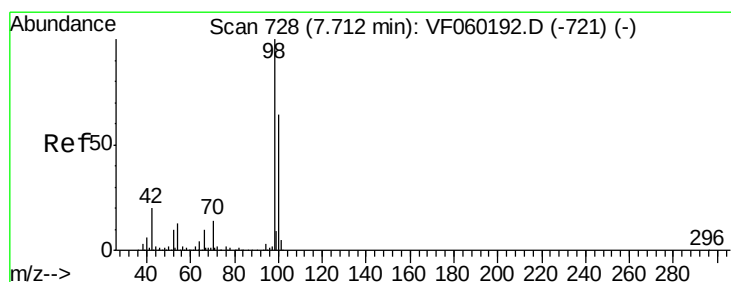
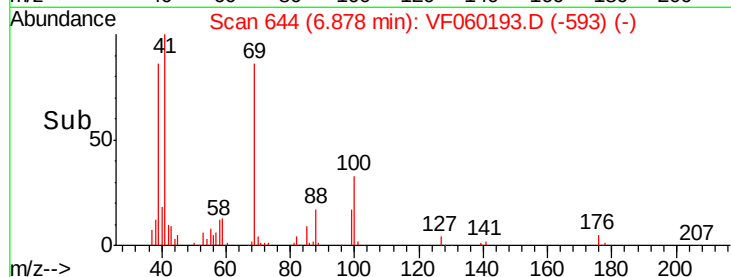
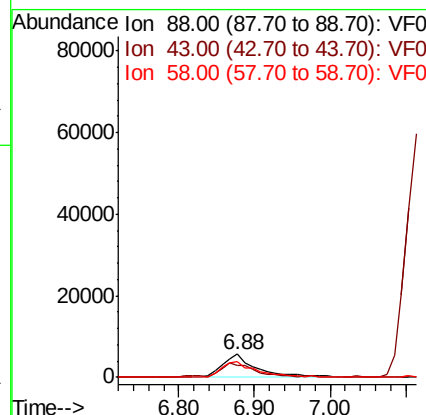
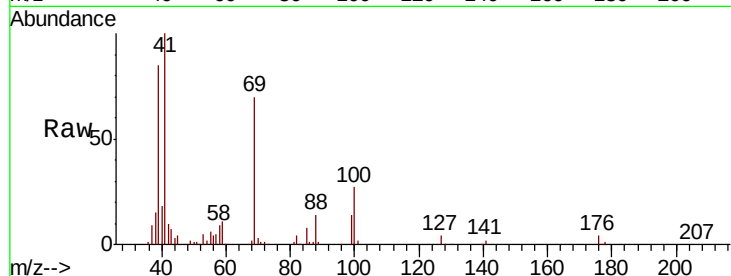
#49
1,4-Dioxane
Concen: 4241.79 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	53.6	56.5	84.7#
58	67.7	53.5	80.3

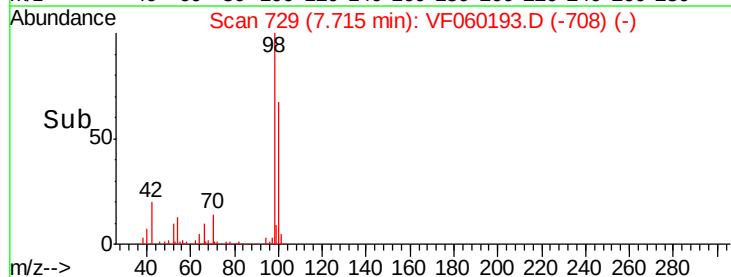
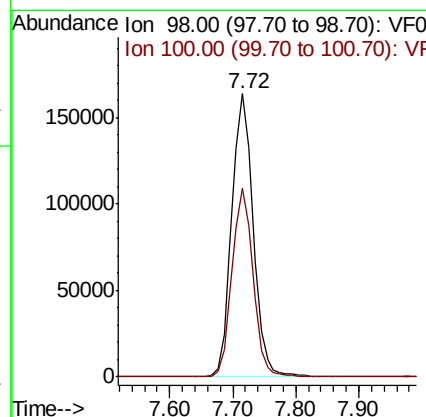
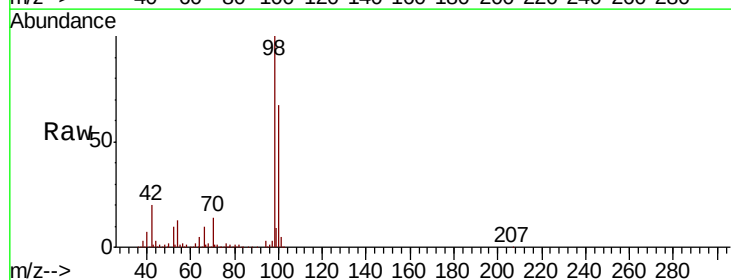
Manual Integrations
APPROVED

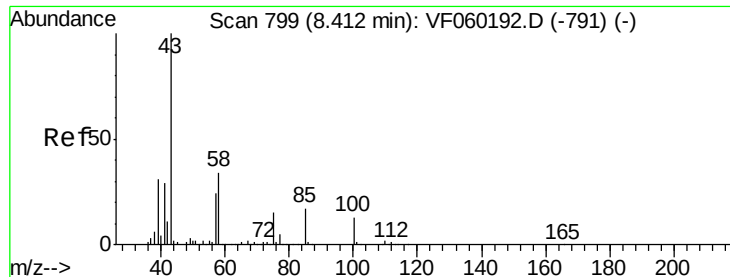
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#50
Toluene-d8
Concen: 72.09 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 870.58 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 589804

Ion Ratio Lower Upper

43 100

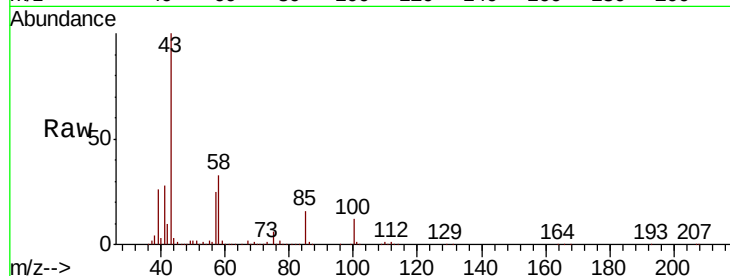
58 33.4 27.2 40.8

Manual Integrations

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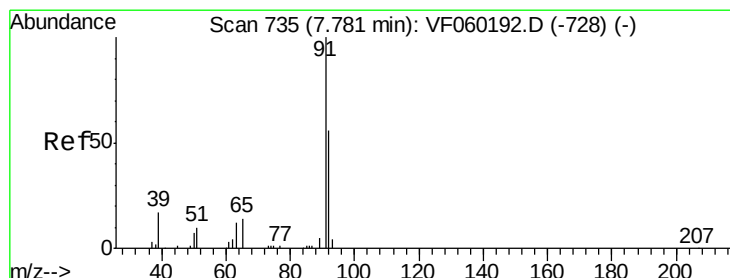
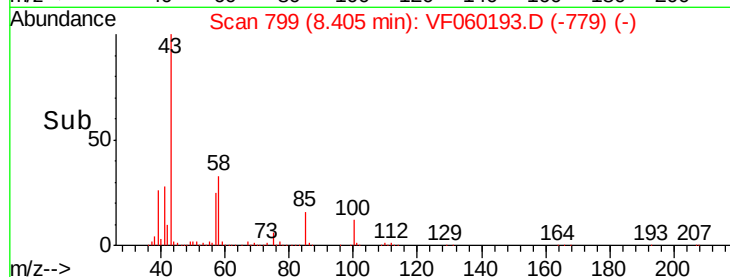
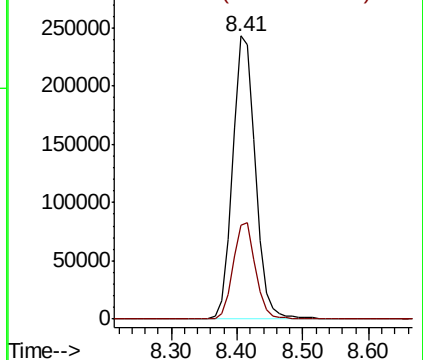
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 77.25 ug/l

RT: 7.78 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060193.D

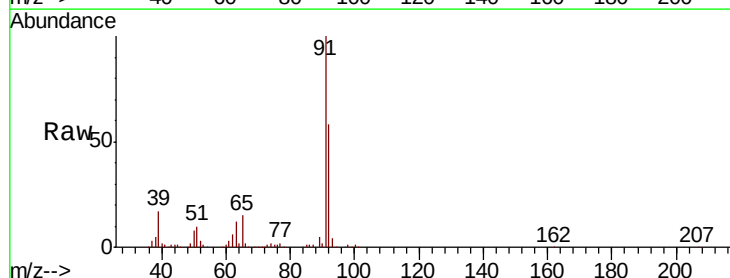
Acq: 29 Aug 2018 16:58

Tgt Ion: 92 Resp: 270936

Ion Ratio Lower Upper

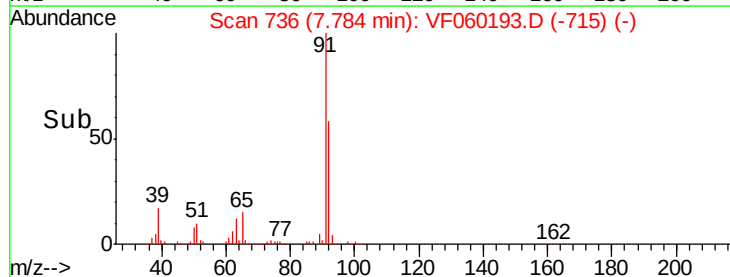
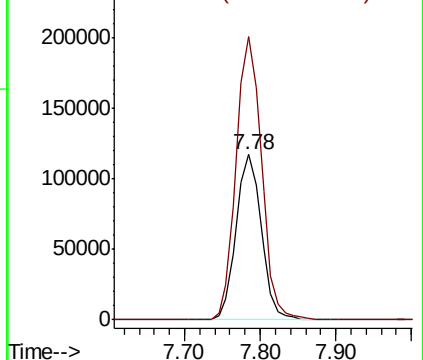
92 100

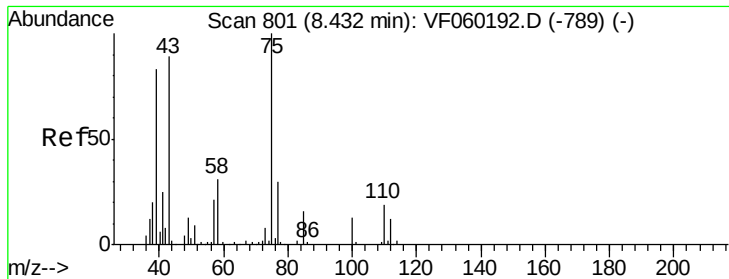
91 171.4 143.2 214.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 153.48 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 216373

Ion Ratio Lower Upper

75 100

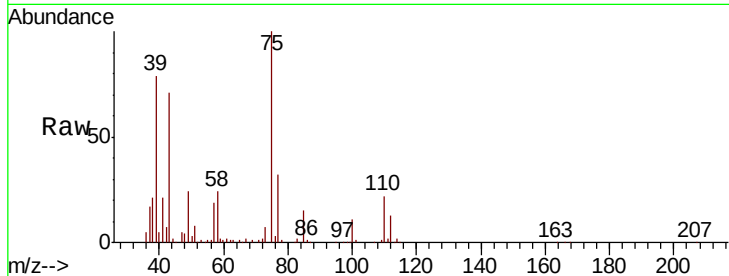
77 32.4 24.2 36.4

Manual Integrations

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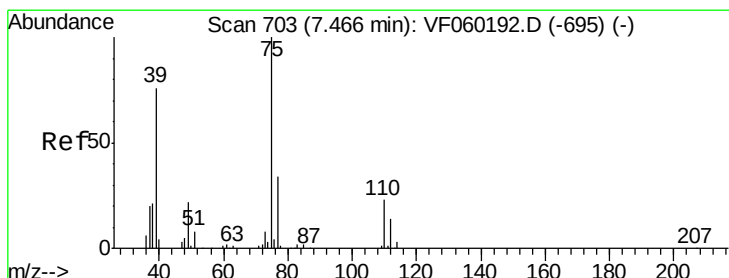
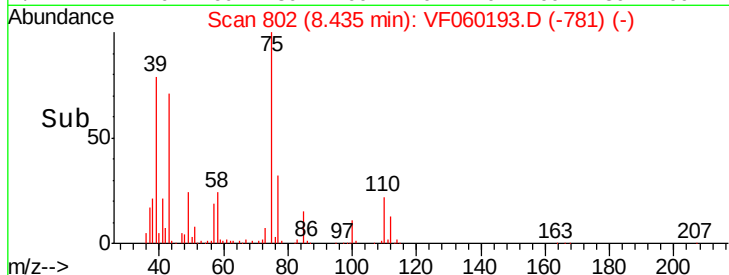
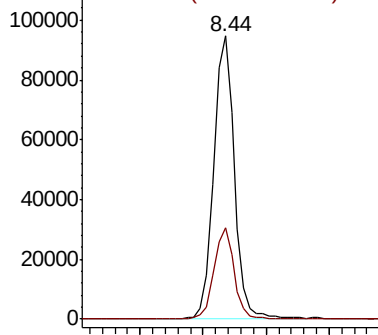
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 131.51 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

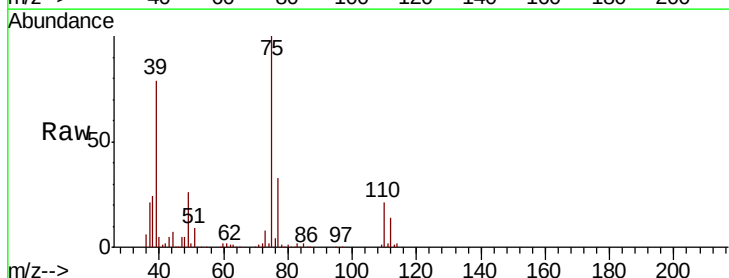
Tgt Ion: 75 Resp: 224733

Ion Ratio Lower Upper

75 100

77 32.9 27.0 40.4

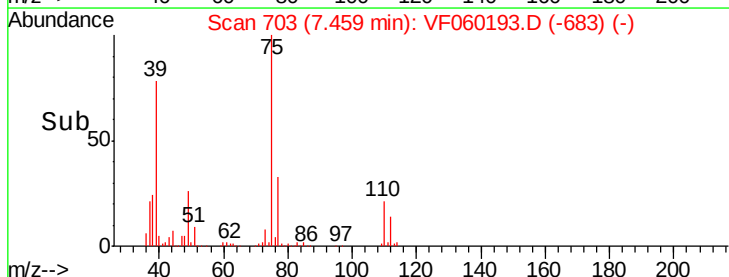
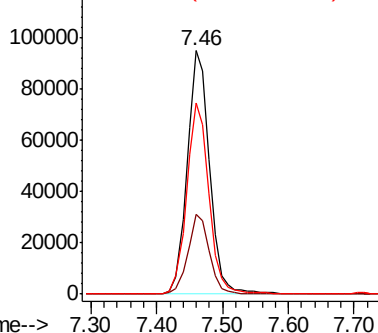
39 78.6 61.4 92.0

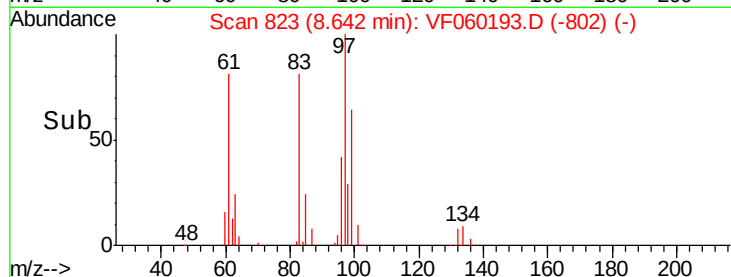
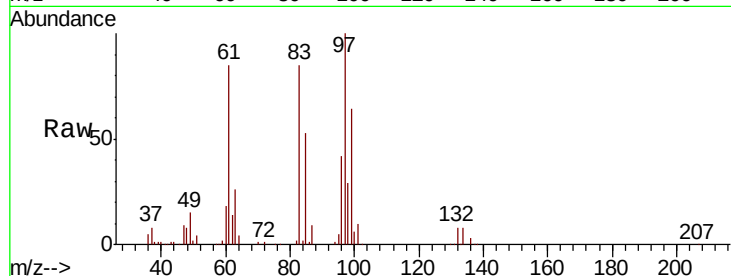
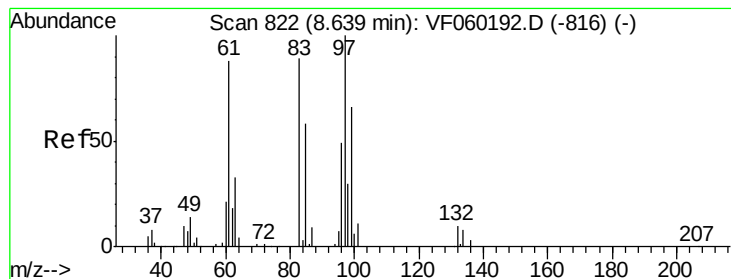


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 142.51 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tot Ion:	97	Resp:	108541
Ion Ratio	Lower	Upper	
97	100		
83	84.7	71.0	106.4
85	53.4	46.6	70.0
99	64.3	52.7	79.1

Instrument :

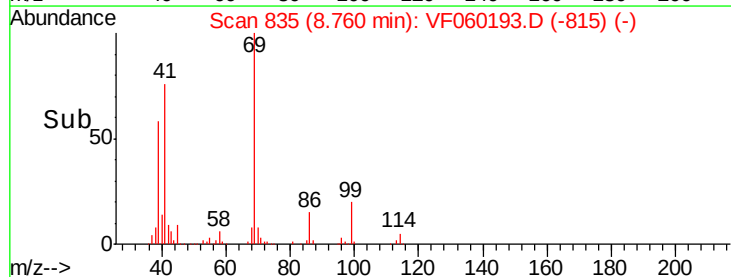
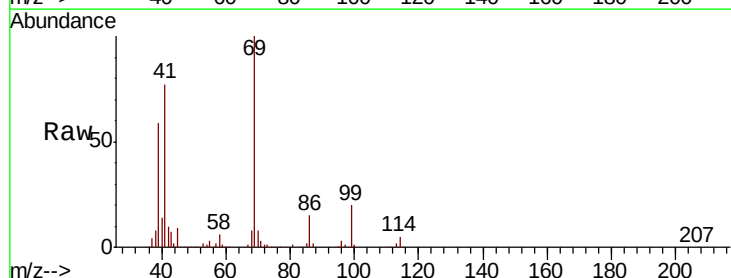
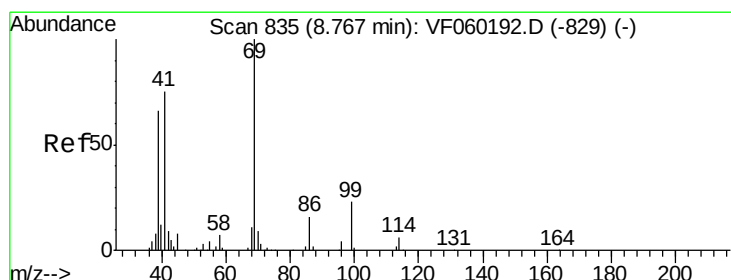
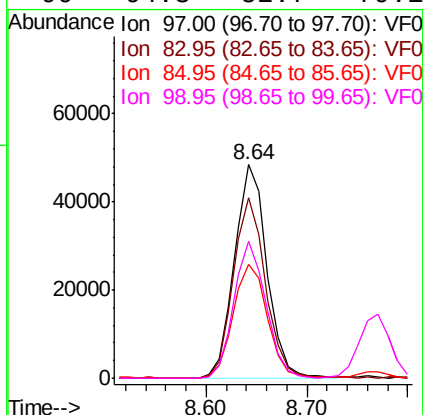
MSVOA_F

ClientSampleId :

VSTDIC075

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#56

Ethyl methacrylate

Concen: 189.90 ug/l

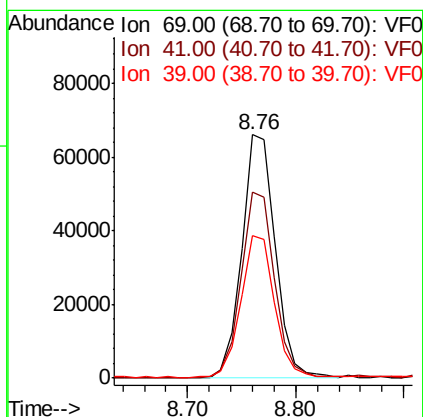
RT: 8.76 min Scan# 835

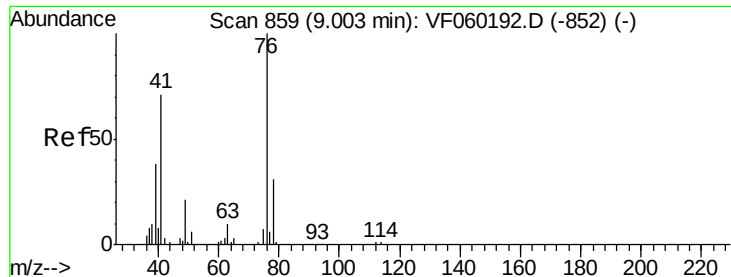
Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	69	Resp:	142419
Ion Ratio	Lower	Upper	
69	100		
41	76.5	60.6	90.8
39	58.6	53.4	80.2





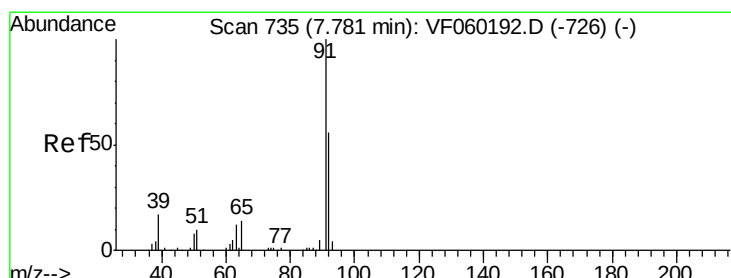
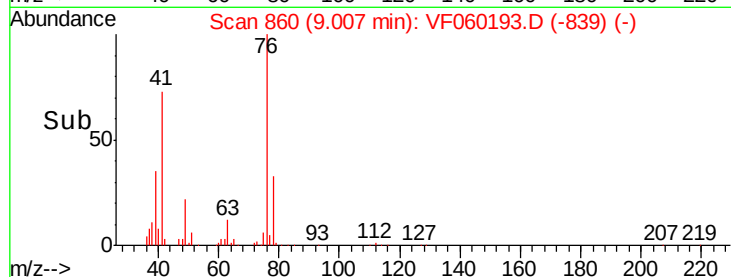
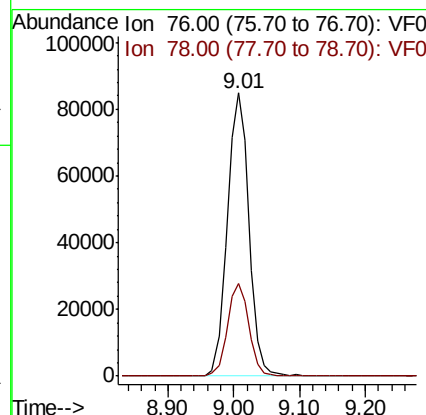
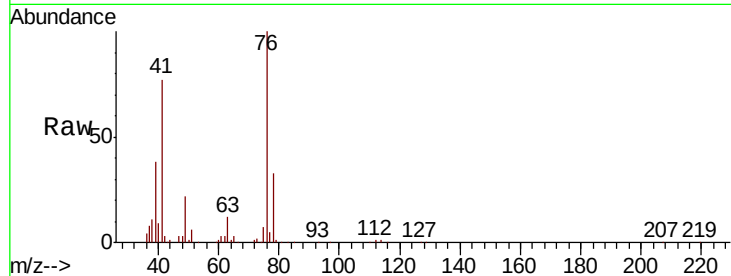
#57
 1,3-Dichloropropane
 Concen: 147.11 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	24.5	36.7

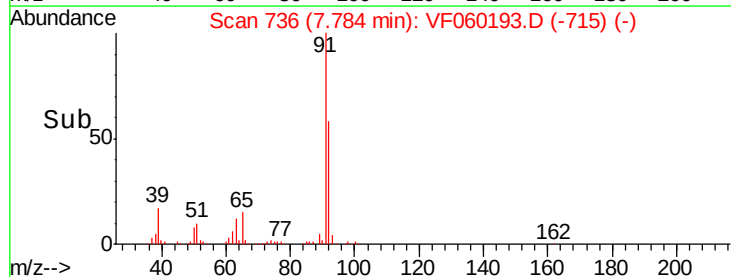
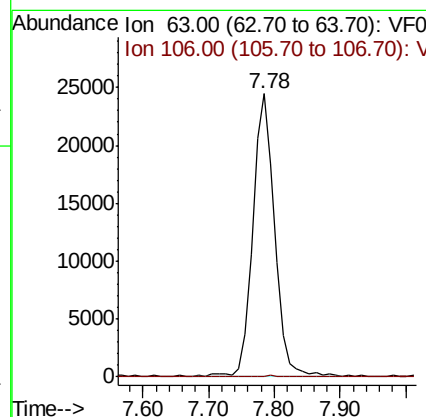
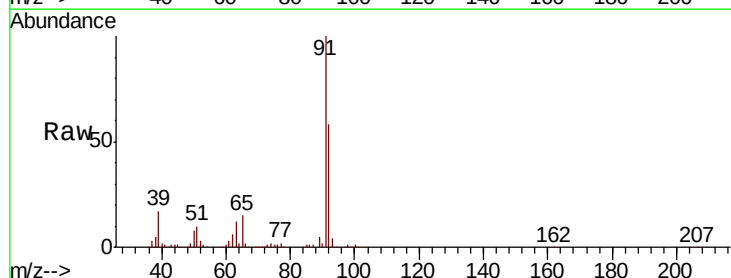
Manual Integrations
 APPROVED

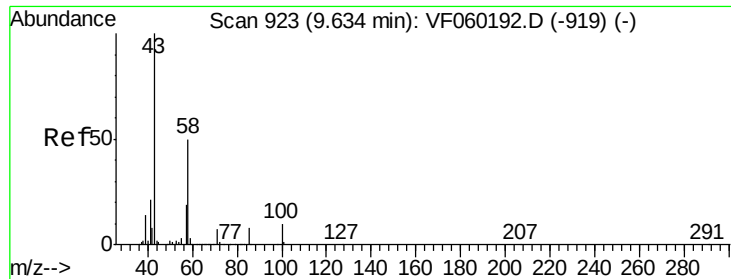
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 391.69 ug/l
 RT: 7.78 min Scan# 736
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





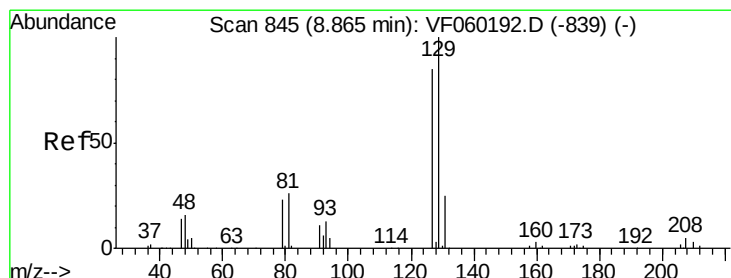
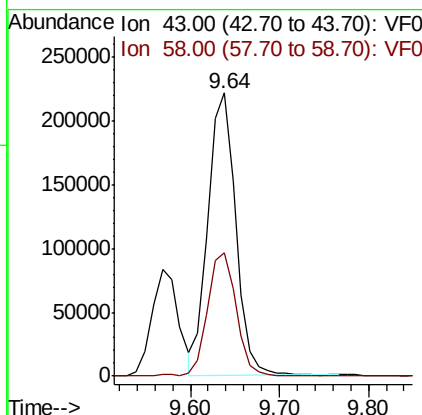
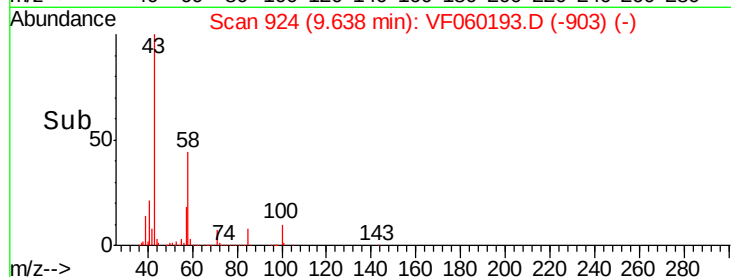
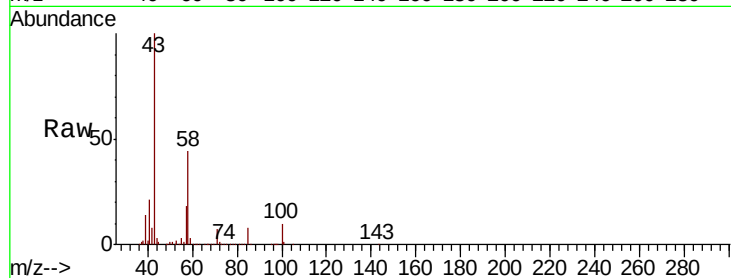
#59
 2-Hexanone
 Concen: 942.33 ug/l
 RT: 9.64 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.6	23.0	69.0

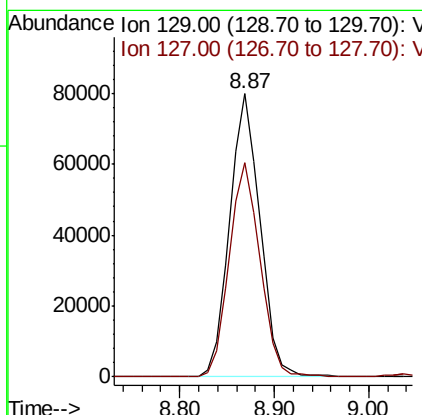
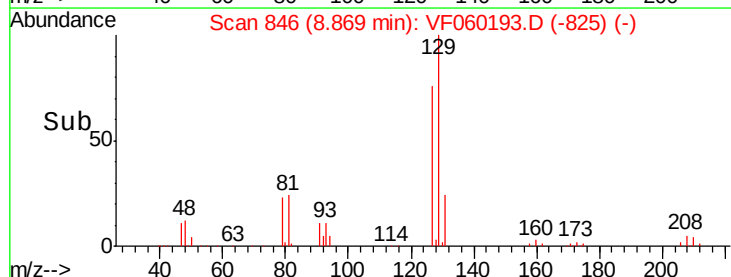
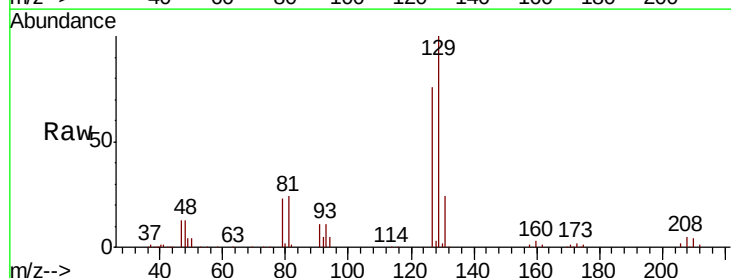
Manual Integrations
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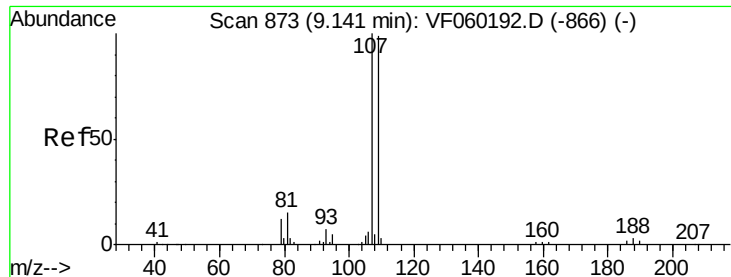
apatel
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#60
 Dibromochloromethane
 Concen: 143.32 ug/l
 RT: 8.87 min Scan# 846
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	42.5	127.5





#61

1,2-Dibromoethane

Concen: 159.61 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:107 Resp: 133502

Ion Ratio Lower Upper

107 100

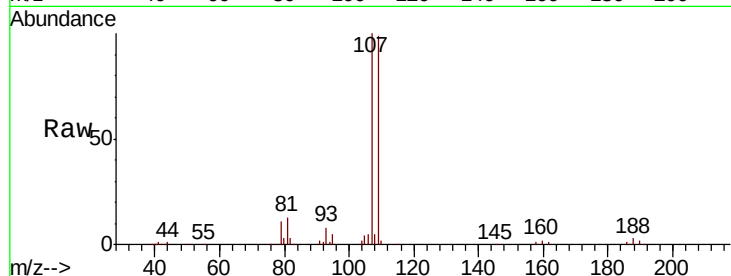
109 98.7 79.5 119.3

Manual Integrations

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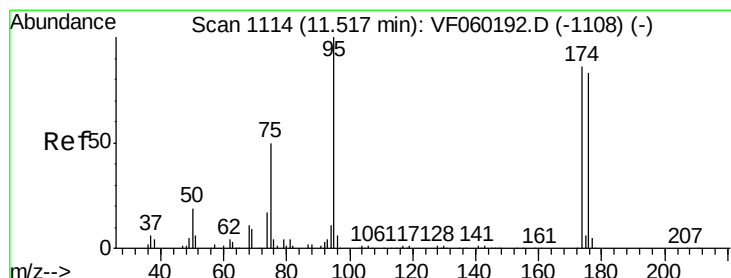
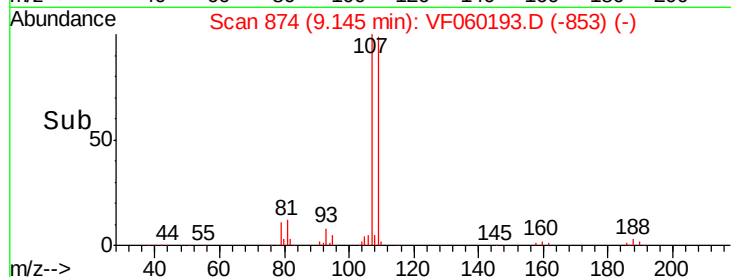
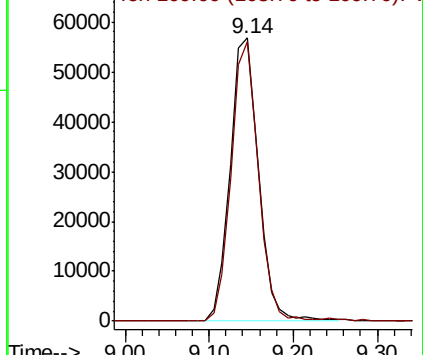
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 100.73 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

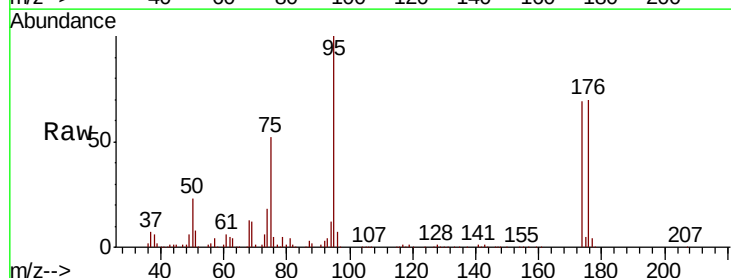
Tgt Ion: 95 Resp: 221020

Ion Ratio Lower Upper

95 100

174 68.8 0.0 171.2

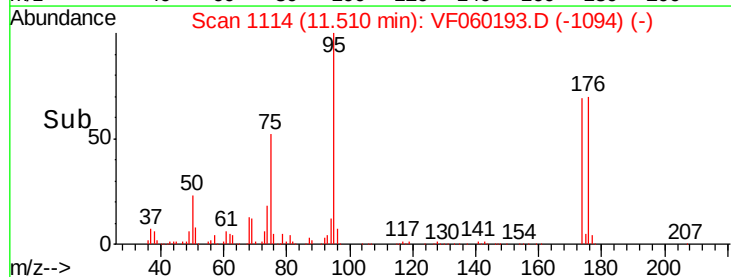
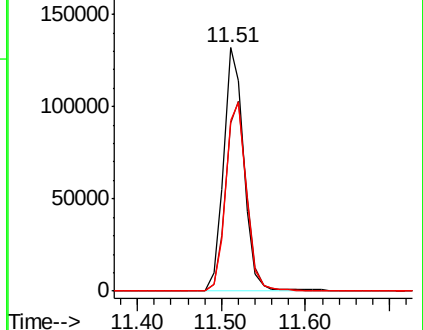
176 70.3 0.0 167.0

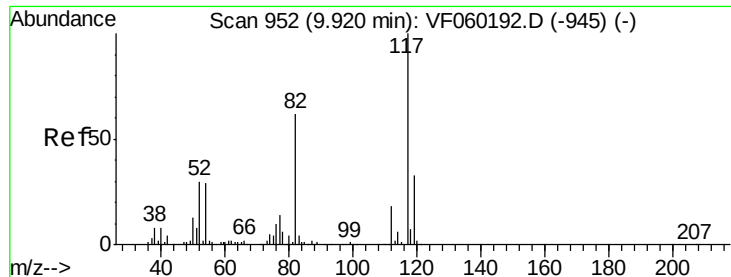


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





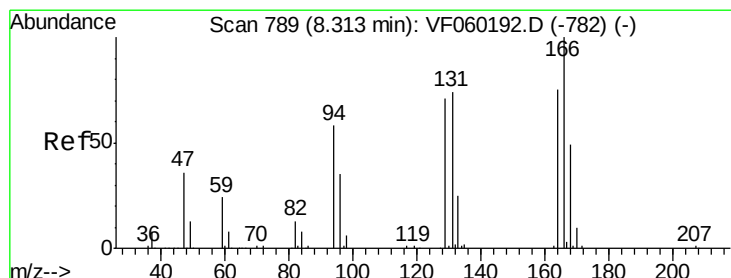
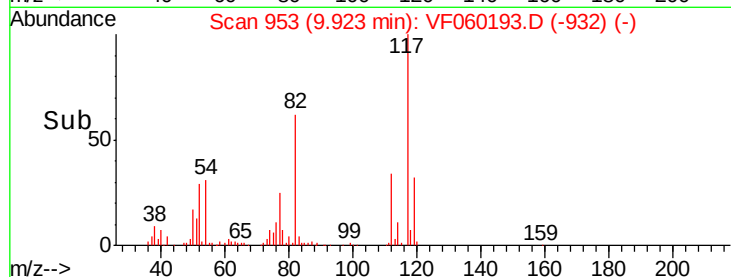
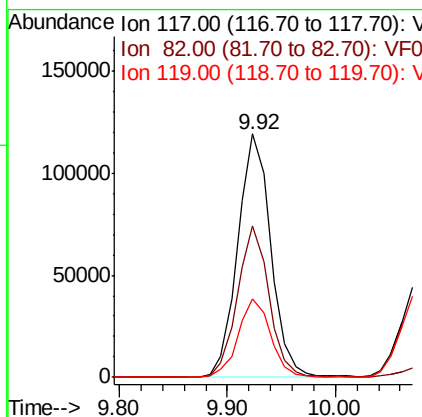
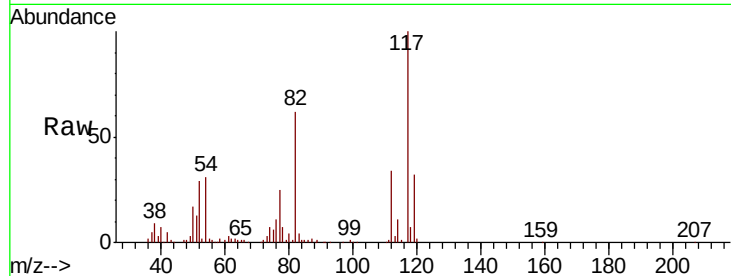
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
117	100	253260		
82	62.5		49.9	74.9
119	32.1		26.5	39.7

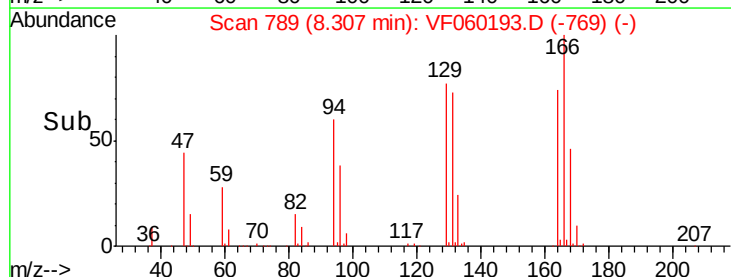
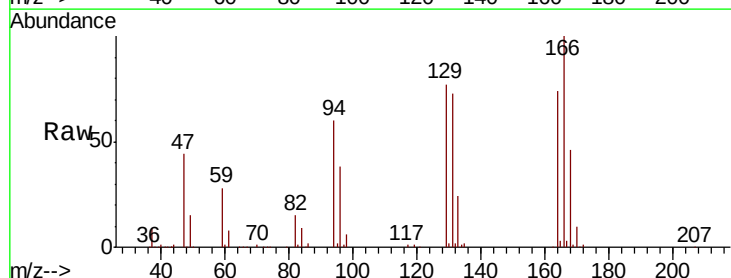
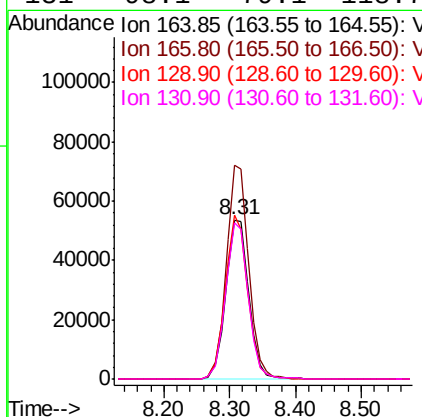
Manual Integrations
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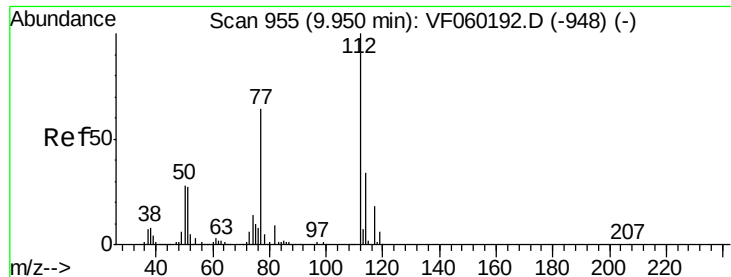
apatel
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#64
Tetrachloroethene
Concen: 45.16 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131366		
166	134.3		106.6	160.0
129	103.3		75.4	113.0
131	98.1		79.1	118.7





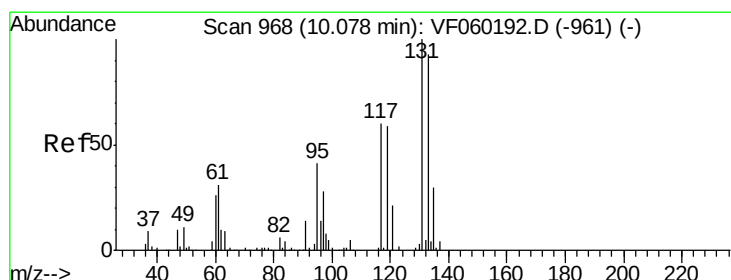
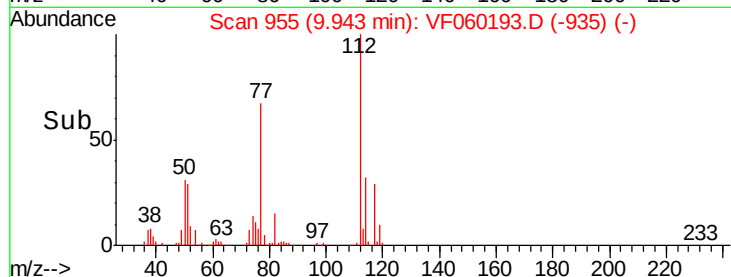
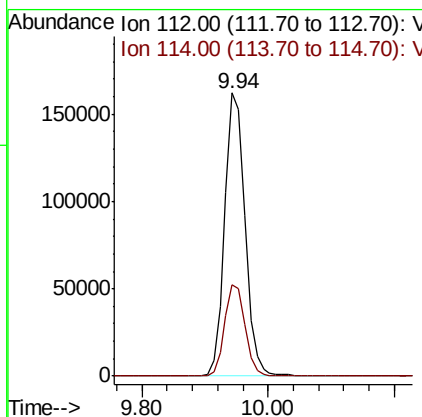
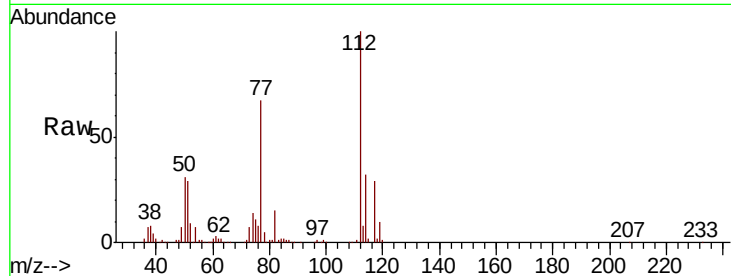
#65
Chlorobenzene
Concen: 71.55 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
112	100	365176		
114	32.4	26.8	40.2	

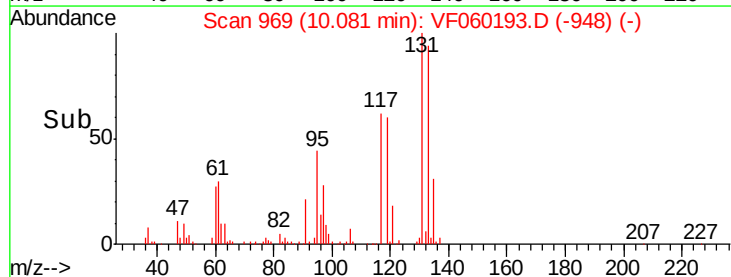
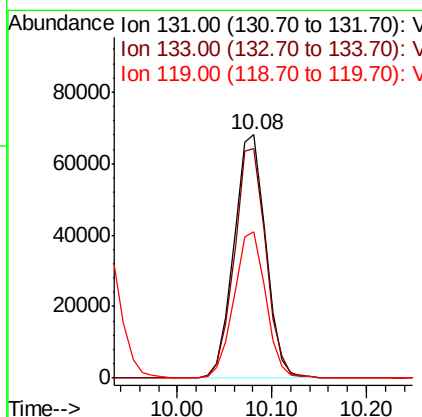
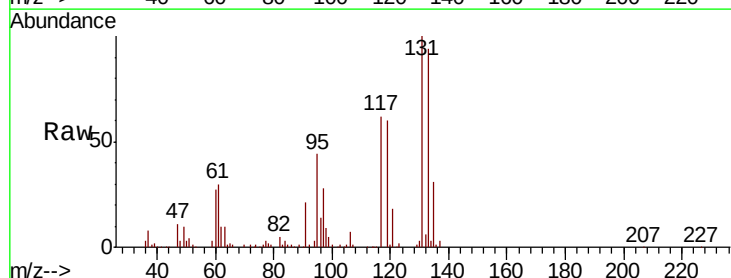
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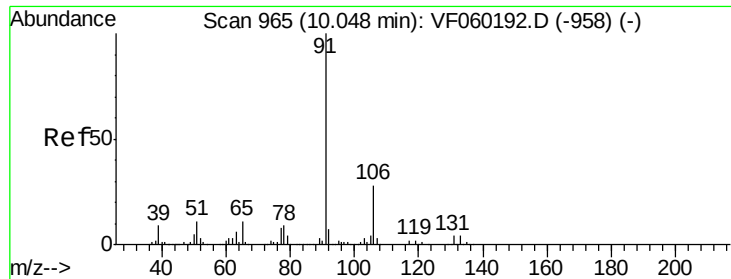
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 89.08 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	158013		
133	94.1	46.6	139.7	
119	60.0	29.9	89.7	





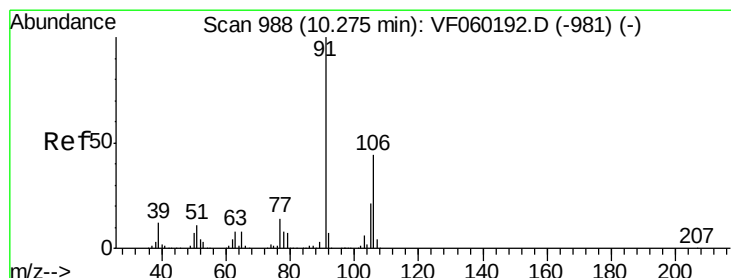
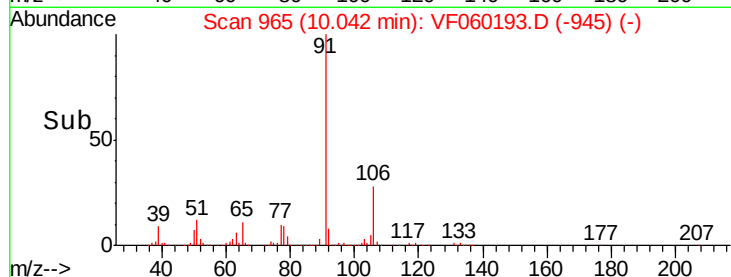
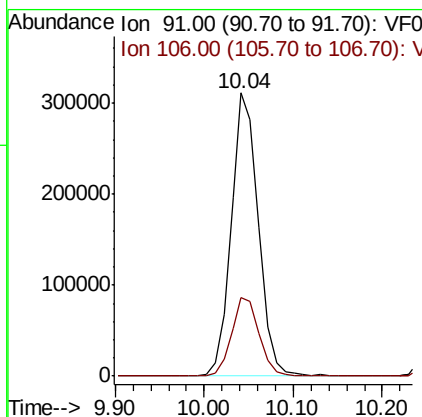
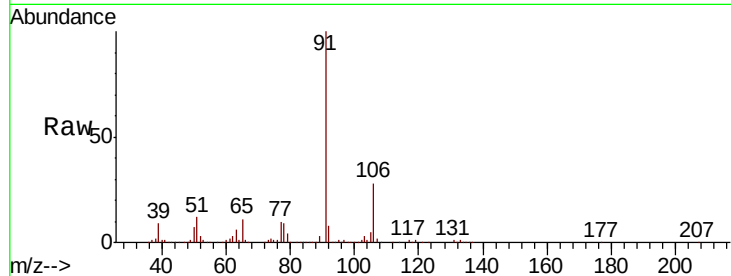
#67
Ethyl Benzene
Concen: 60.00 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
106	27.8	22.0	33.0

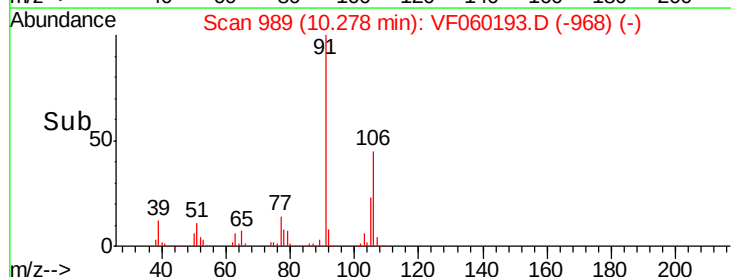
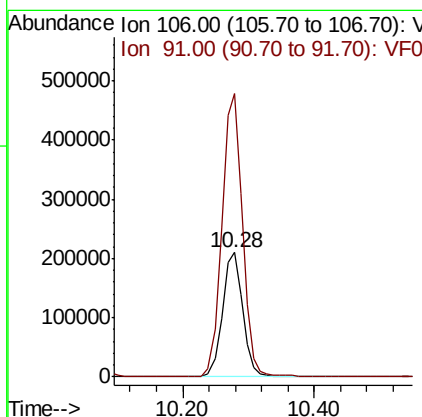
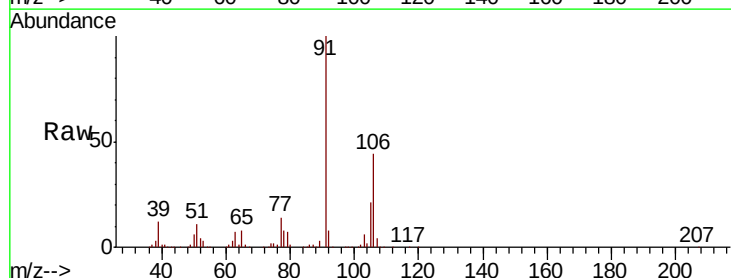
Manual Integrations
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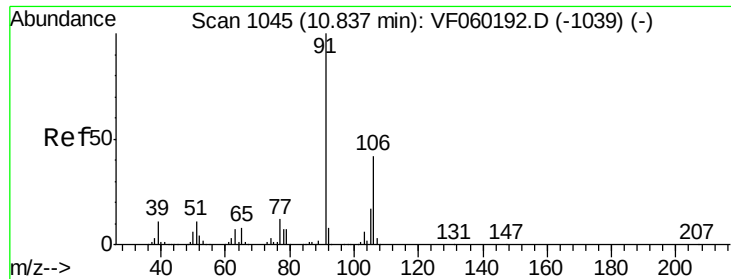
apatel
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#68
m/p-Xylenes
Concen: 122.32 ug/l
RT: 10.28 min Scan# 989
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	227.4	183.4	275.0





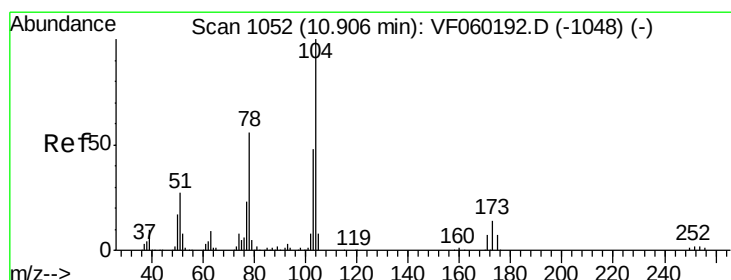
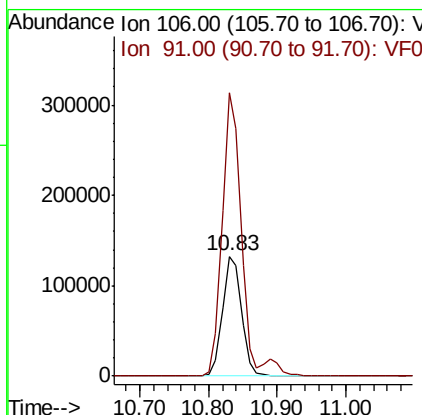
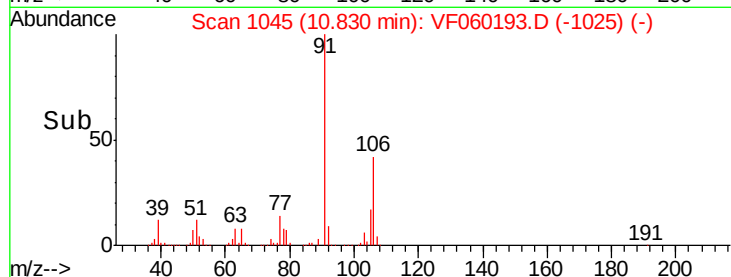
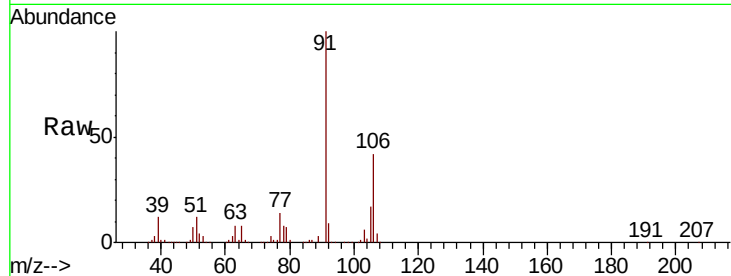
#69
o-Xylene
Concen: 76.05 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
106	100		
91	235.7	120.2	360.6

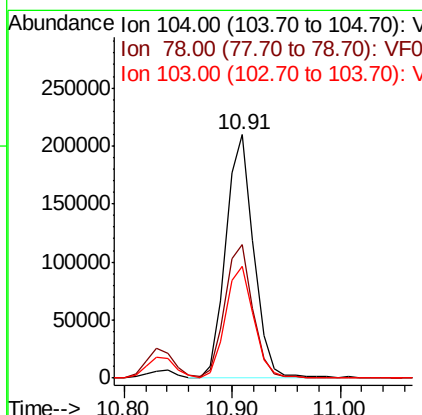
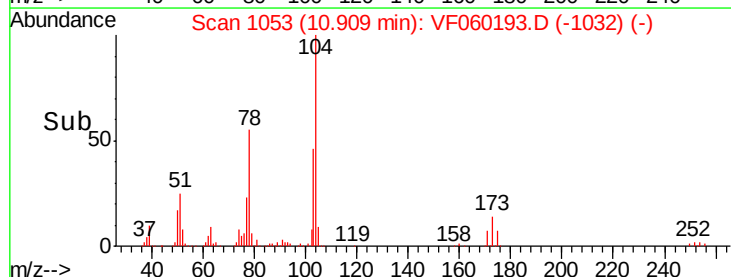
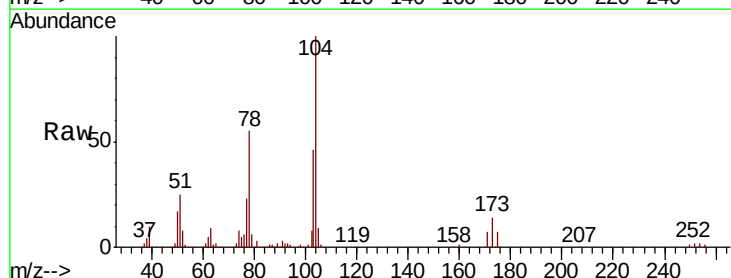
Manual Integrations
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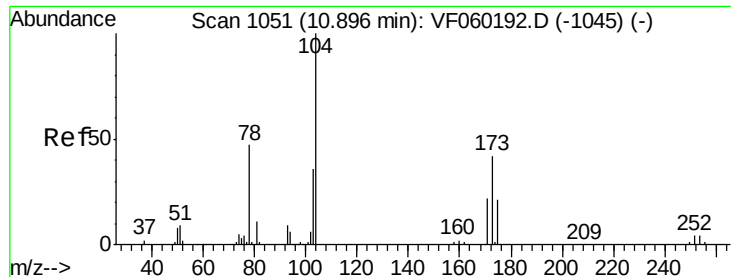
apatel
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#70
Styrene
Concen: 85.61 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.6	45.4	68.0
103	45.7	38.9	58.3





#71

Bromoform

Concen: 152.55 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 114479

Ion Ratio Lower Upper

173 100

175 51.2 24.8 74.3

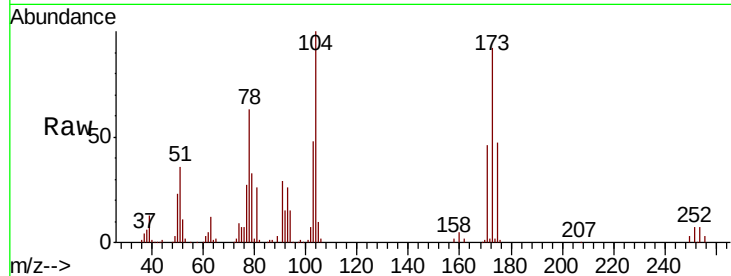
254 0.0 0.0 0.0

Manual Integrations

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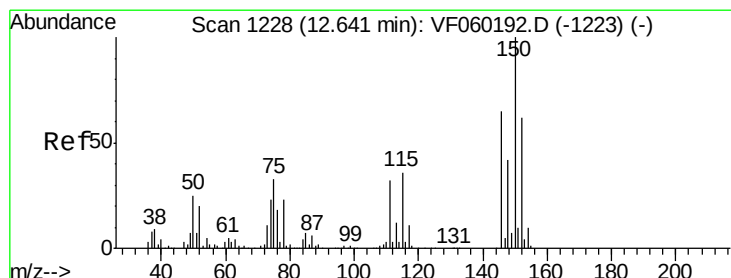
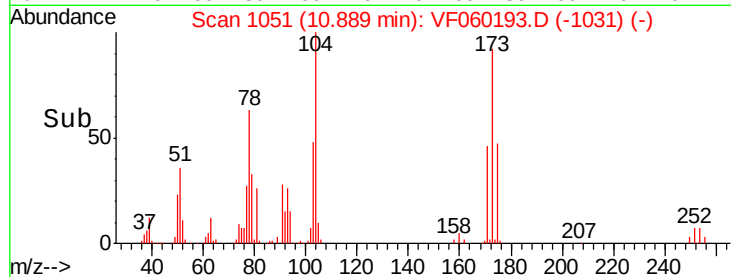
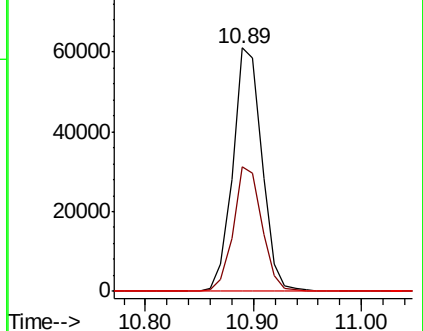
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

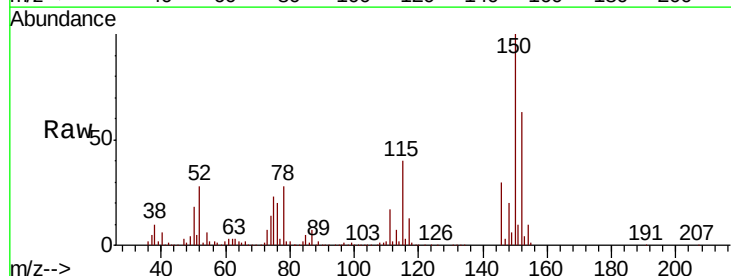
Tgt Ion:152 Resp: 159263

Ion Ratio Lower Upper

152 100

115 63.1 28.9 86.8

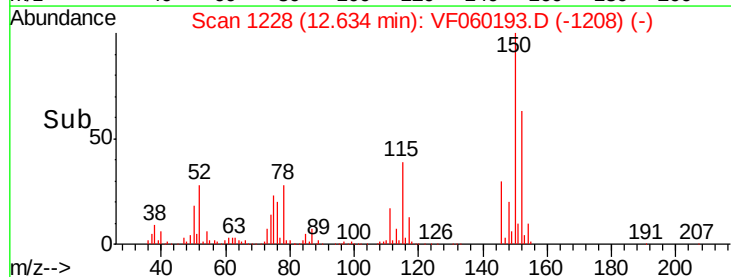
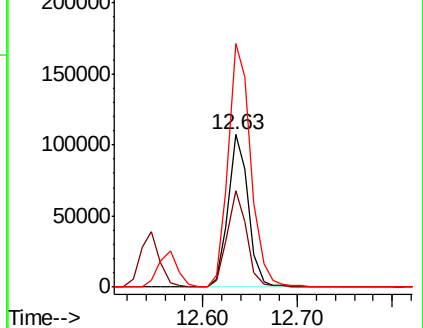
150 159.5 0.0 323.2

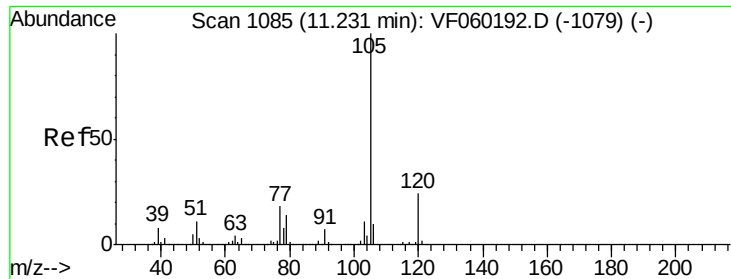


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 46.53 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 748481

Ion Ratio Lower Upper

105 100

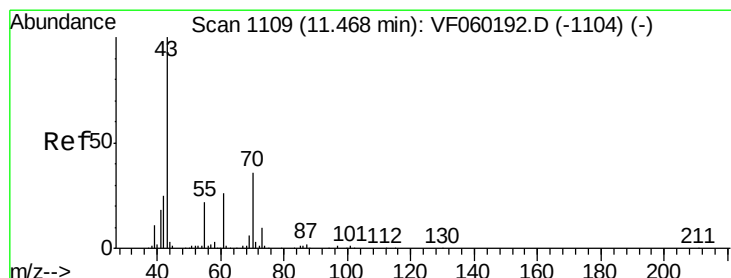
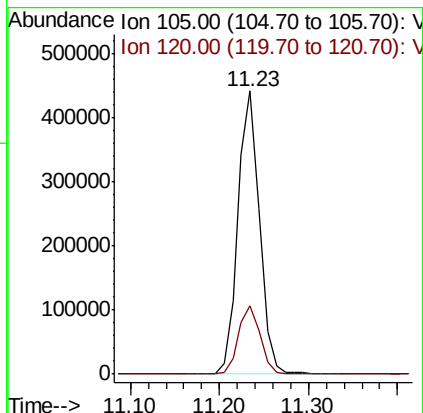
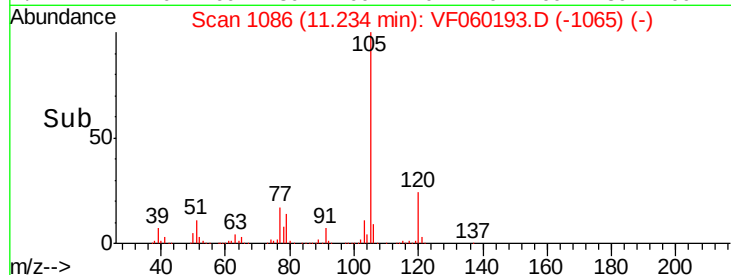
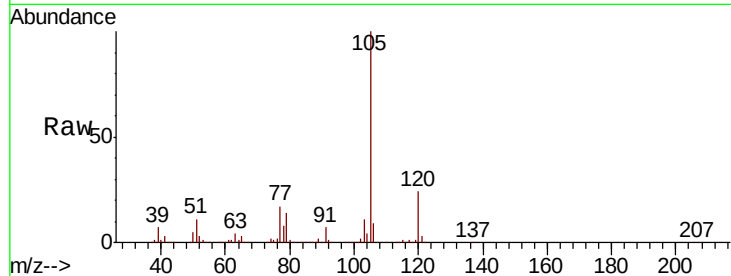
120 24.2 12.3 36.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 145.65 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion: 43 Resp: 241834

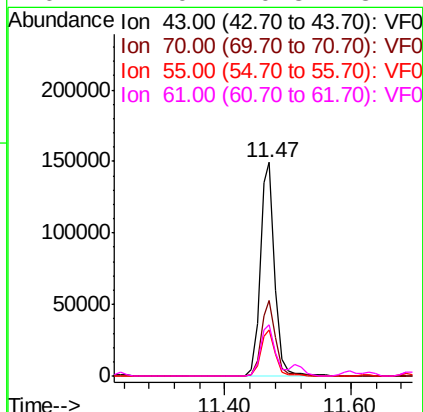
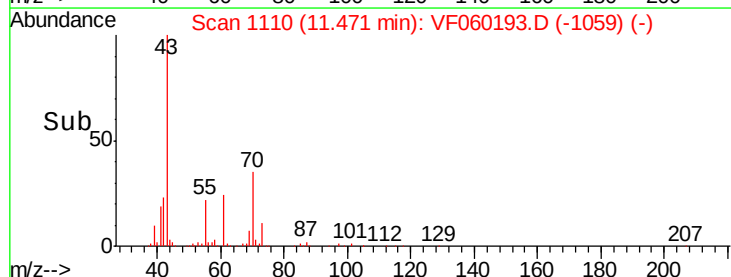
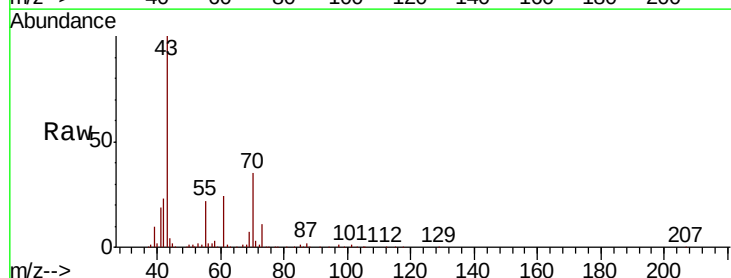
Ion Ratio Lower Upper

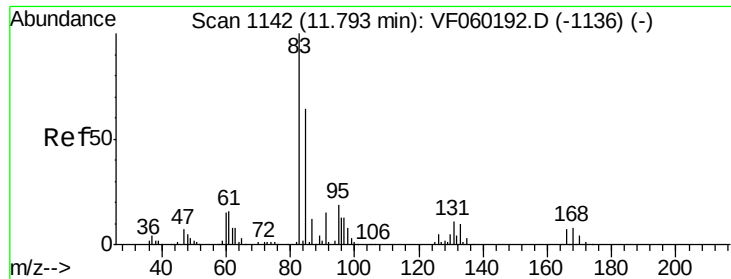
43 100

70 35.2 28.6 43.0

55 21.8 17.4 26.2

61 24.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 112.75 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

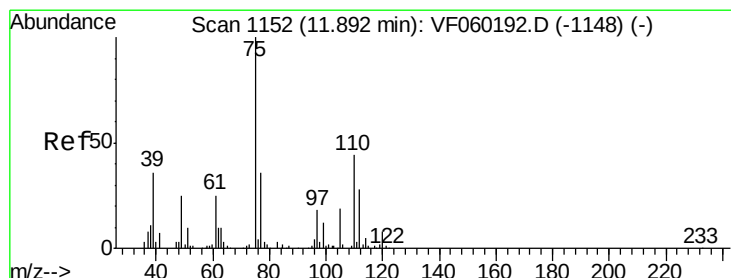
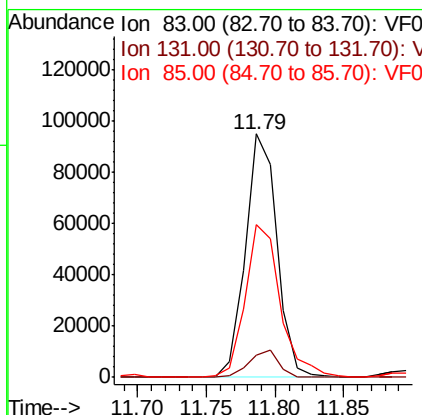
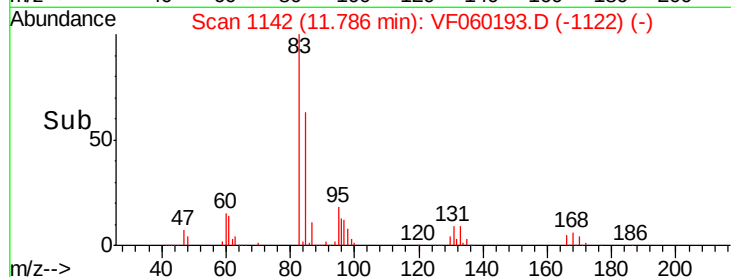
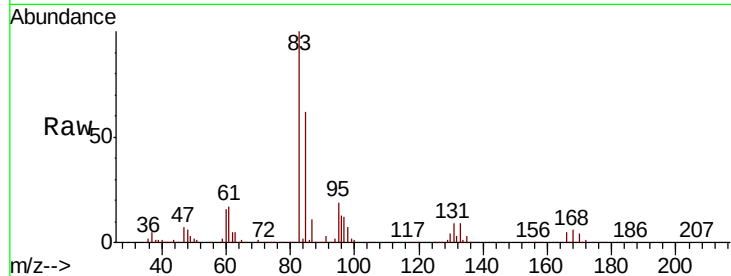
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	152559
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.5	16.5
85	62.5	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 109.94 ug/l

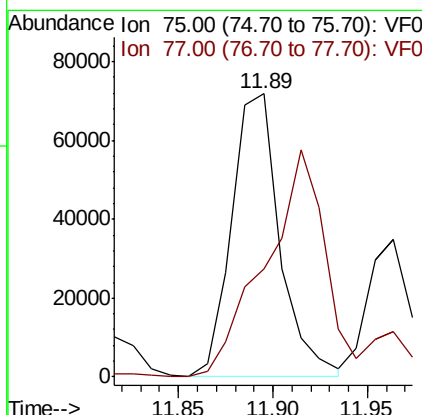
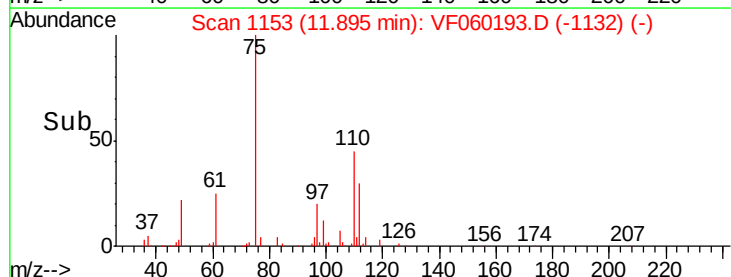
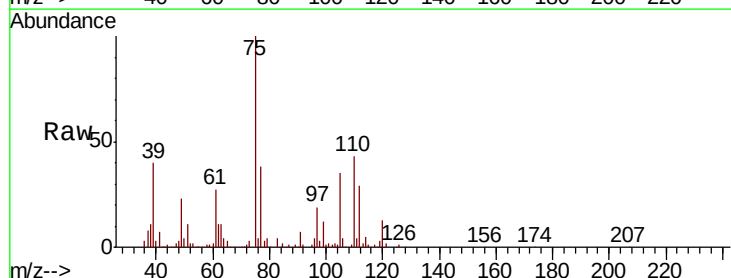
RT: 11.89 min Scan# 1153

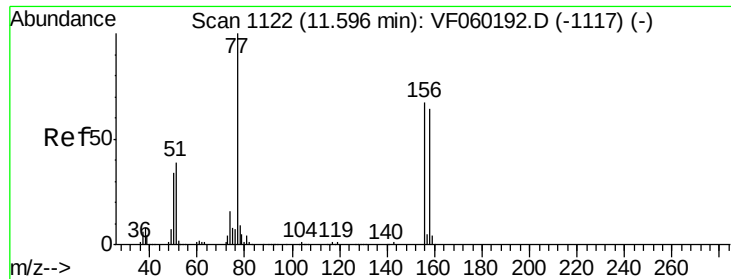
Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Tgt Ion:	75	Resp:	125987
Ion Ratio	Lower	Upper	
75	100		
77	38.3	17.9	53.8





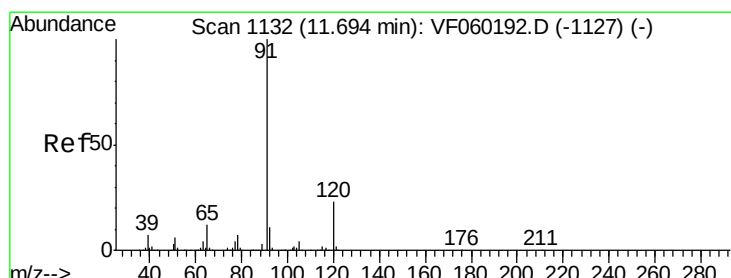
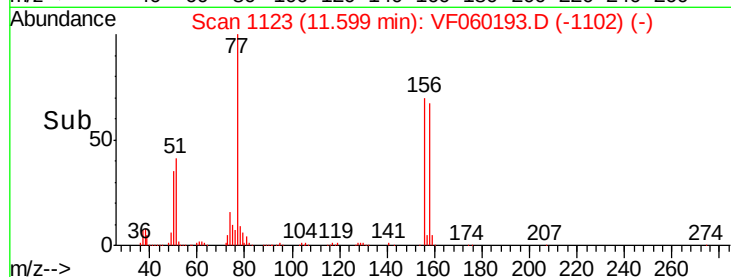
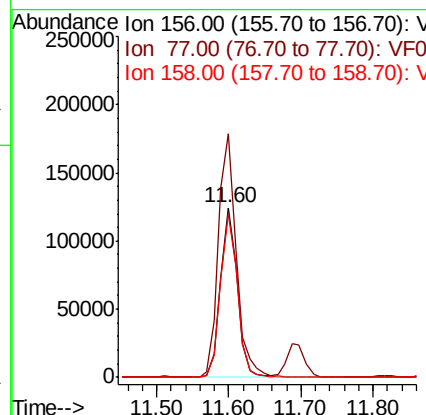
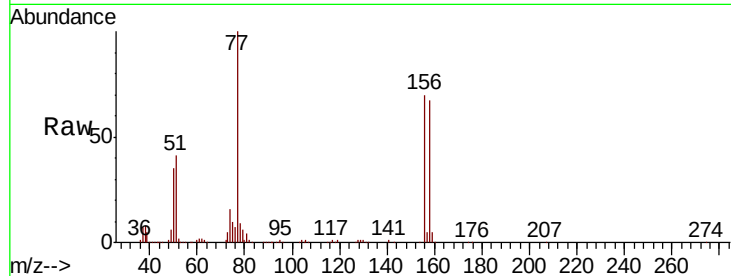
#77
Bromobenzene
Concen: 77.00 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.3	74.5	223.5
158	95.7	47.3	141.8

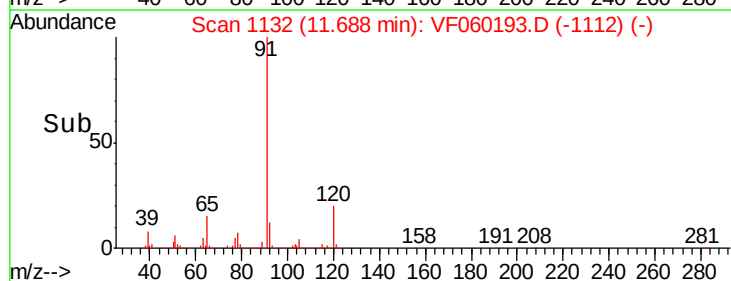
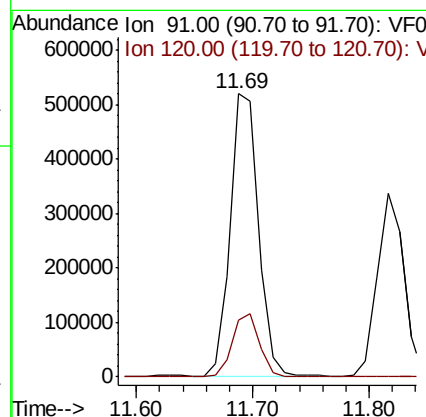
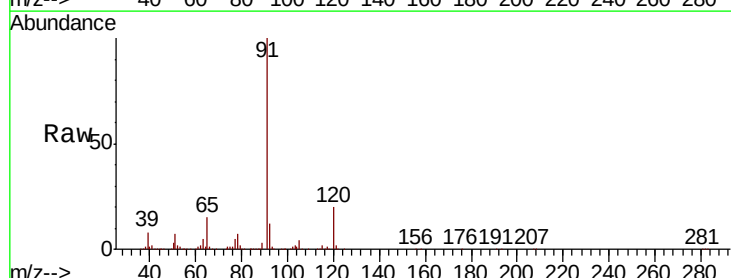
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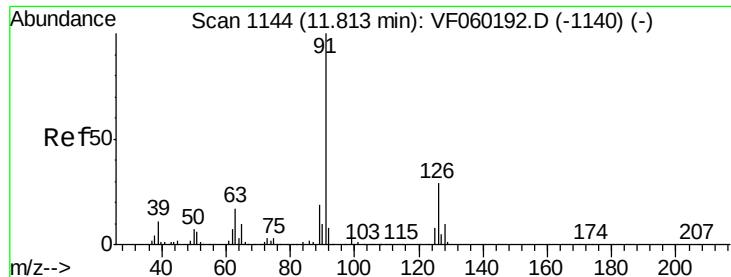
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#78
n-propylbenzene
Concen: 45.25 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 56.79 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 531983

Ion Ratio Lower Upper

91 100

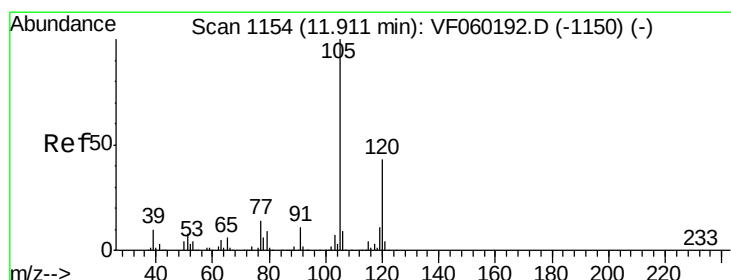
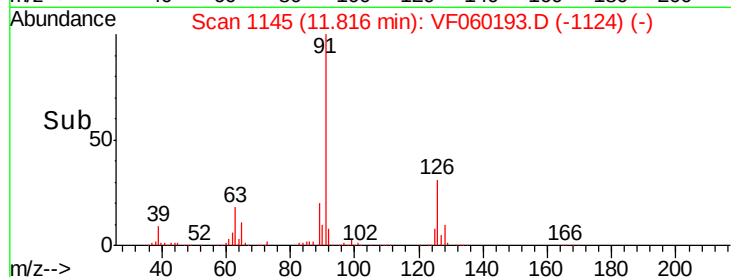
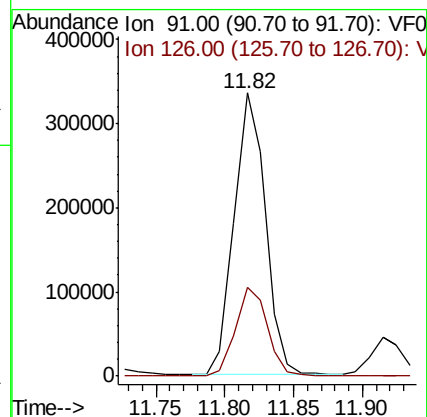
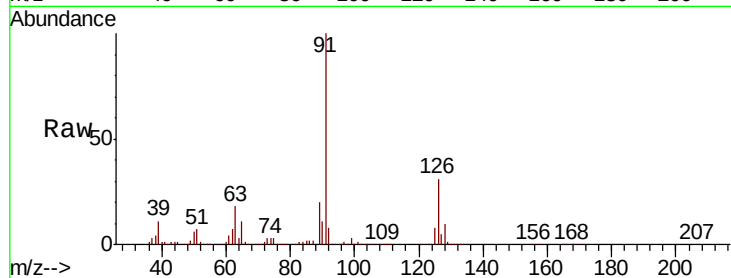
126 31.2 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.53 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF060193.D

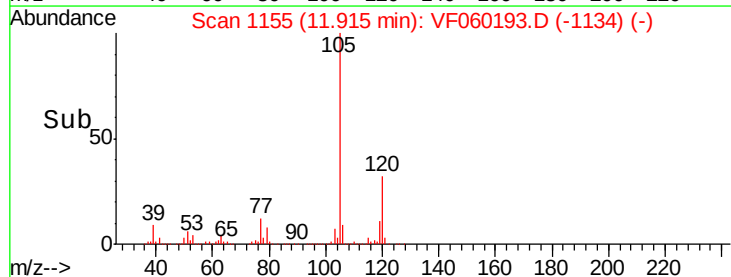
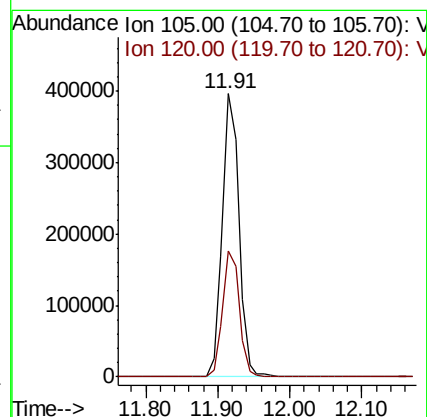
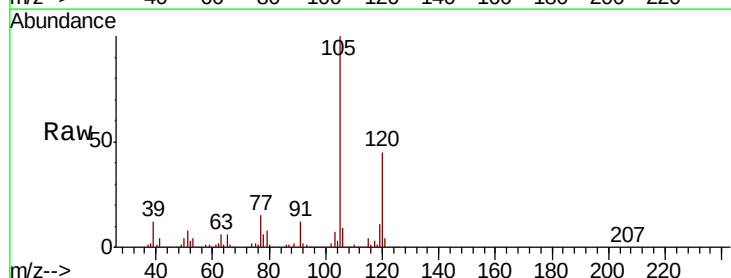
Acq: 29 Aug 2018 16:58

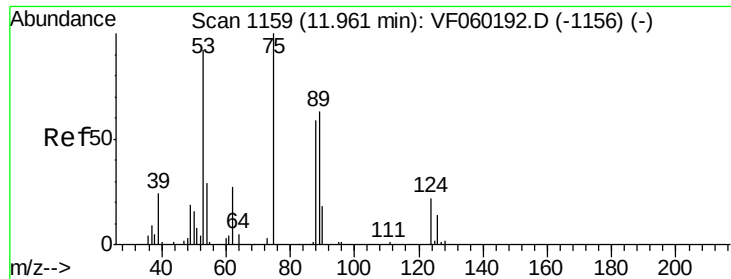
Tgt Ion: 105 Resp: 627666

Ion Ratio Lower Upper

105 100

120 44.7 21.5 64.5





#81

trans-1,4-Dichloro-2-butene

Concen: 171.70 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF060193.D

Acq: 29 Aug 2018 16:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 57984

Ion Ratio Lower Upper

75 100

53 87.2 78.0 117.0

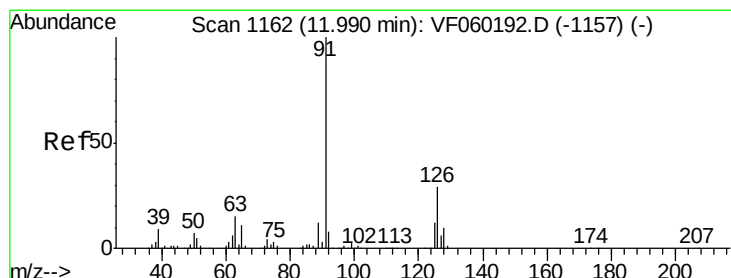
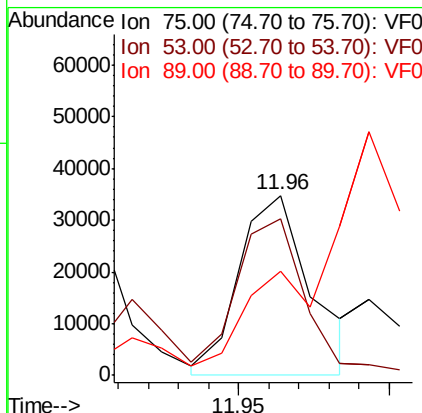
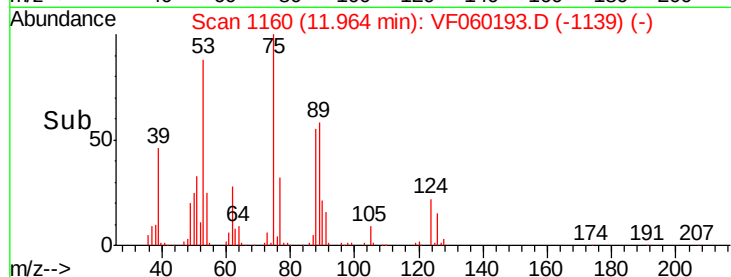
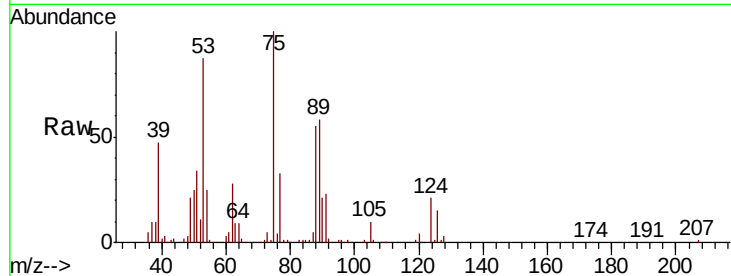
89 57.8 51.8 77.6

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8/30/2018 3:04:39 PM



#82

4-Chlorotoluene

Concen: 63.20 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VF060193.D

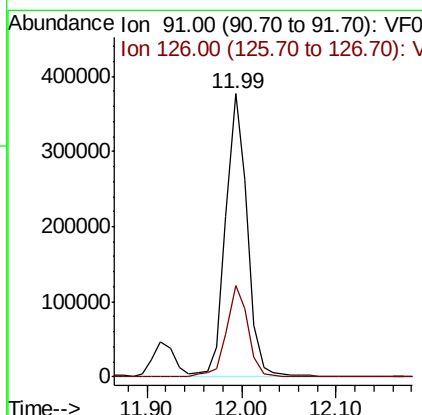
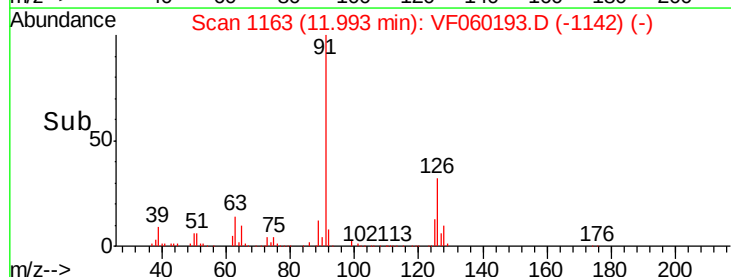
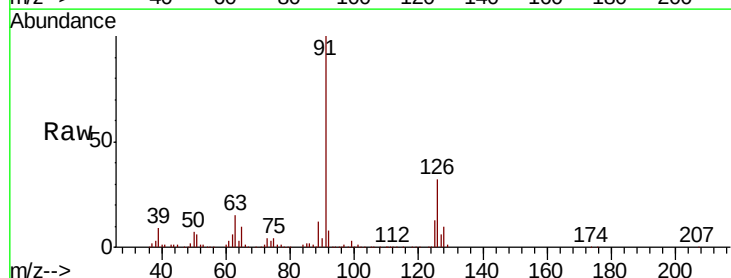
Acq: 29 Aug 2018 16:58

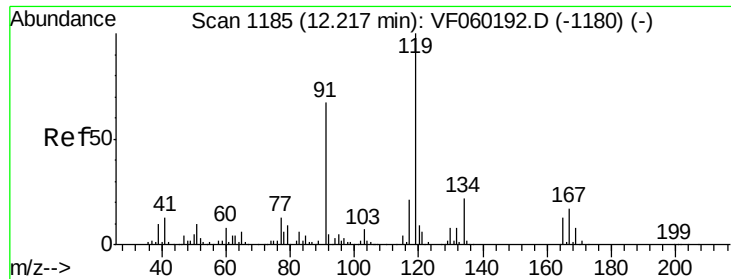
Tgt Ion: 91 Resp: 590206

Ion Ratio Lower Upper

91 100

126 32.3 14.6 44.0





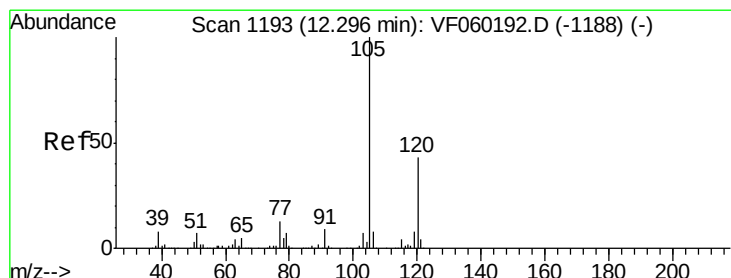
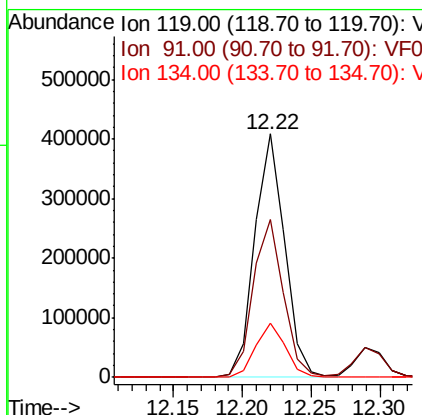
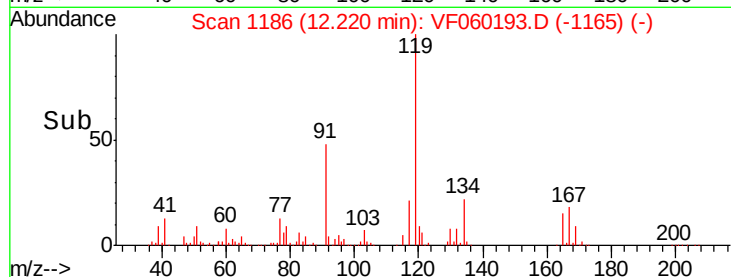
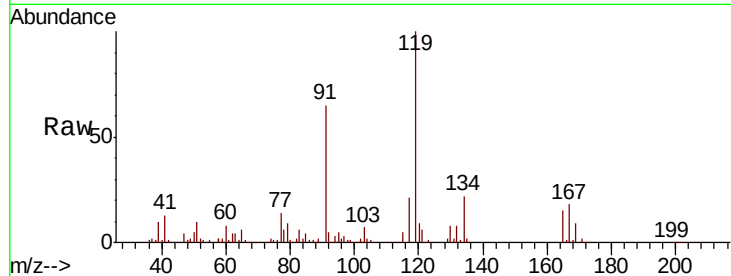
#83
tert-Butylbenzene
Concen: 47.98 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	625290		
91	65.1	33.8	101.4	
134	22.2	11.1	33.3	

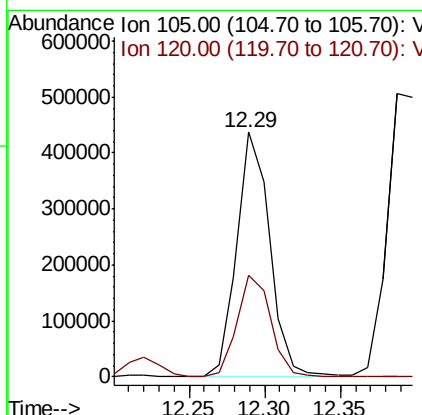
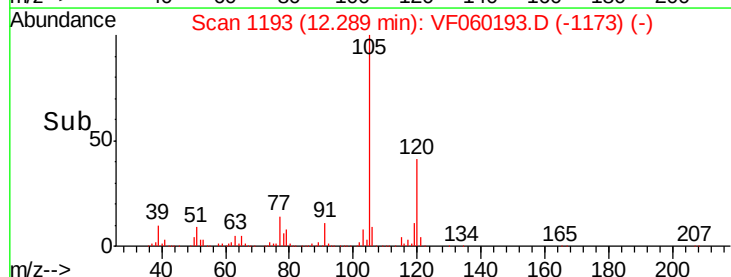
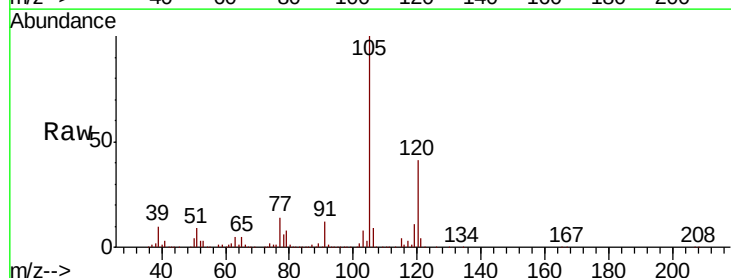
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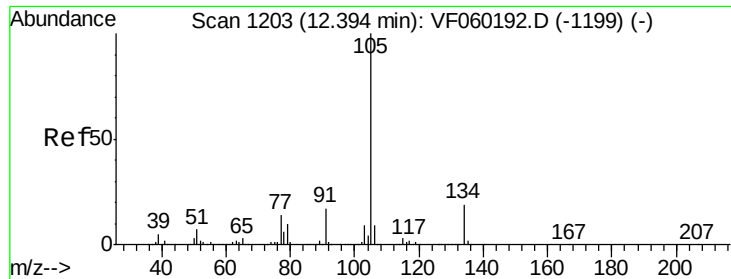
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#84
1,2,4-Trimethylbenzene
Concen: 61.17 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	662382		
120	41.5	21.6	64.6	





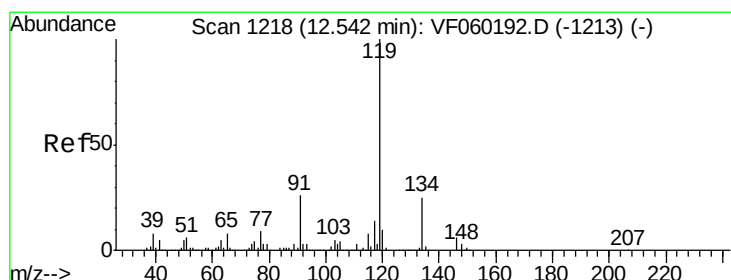
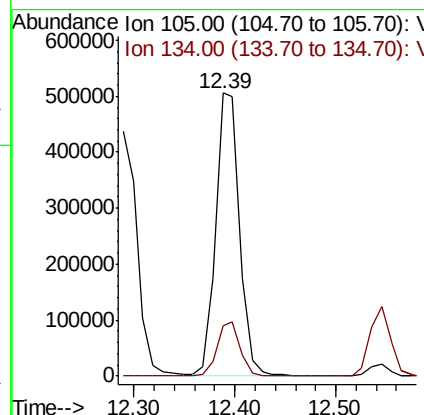
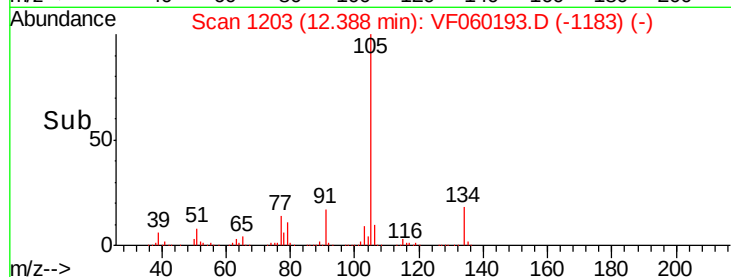
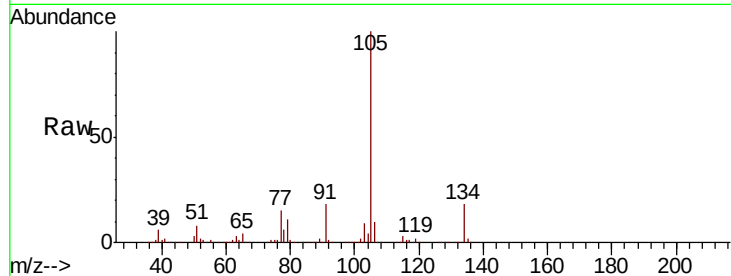
#85
 sec-Butylbenzene
 Concen: 43.67 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
105	100	832155		
134	17.9	9.4	28.3	

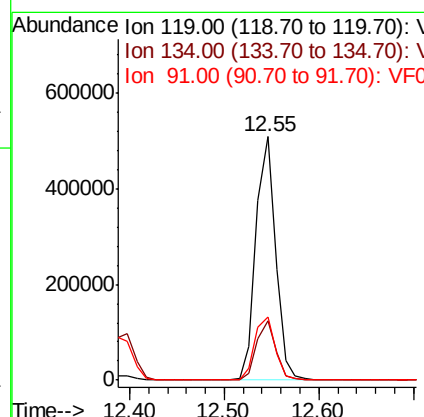
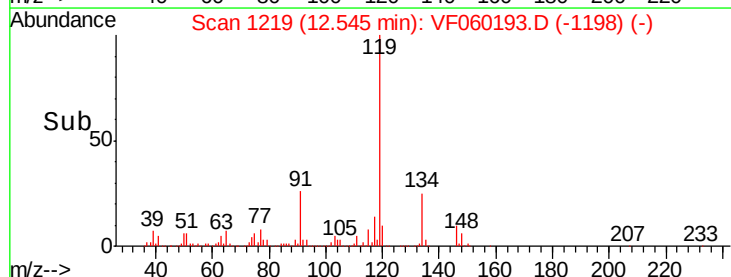
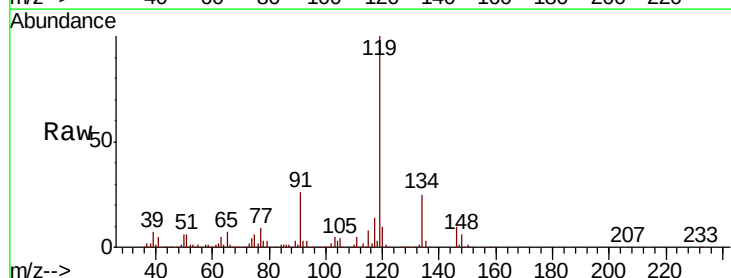
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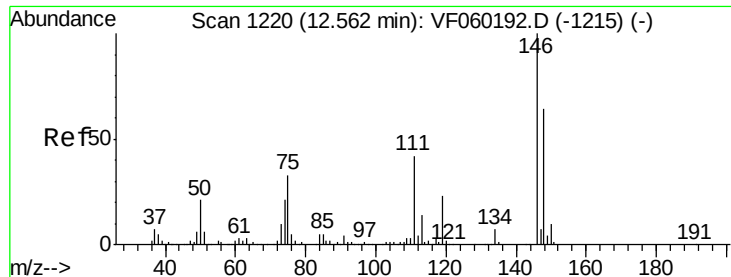
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#86
 p-Isopropyltoluene
 Concen: 51.77 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	740696		
134	24.6	12.3	36.9	
91	26.1	13.3	39.8	





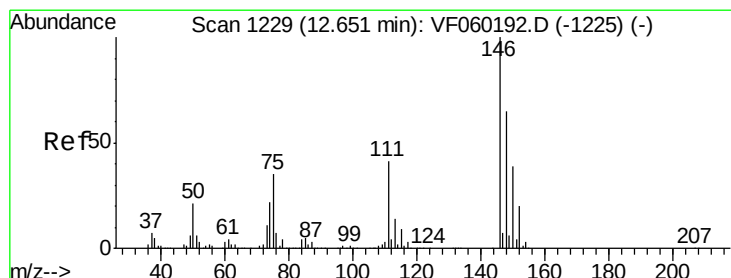
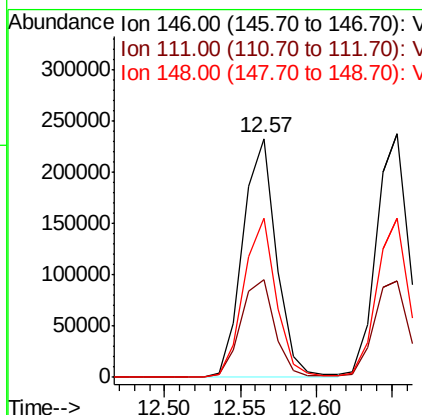
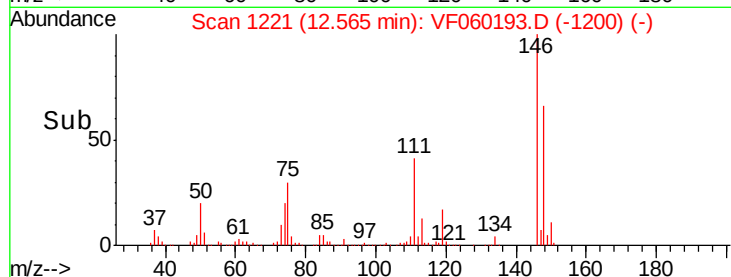
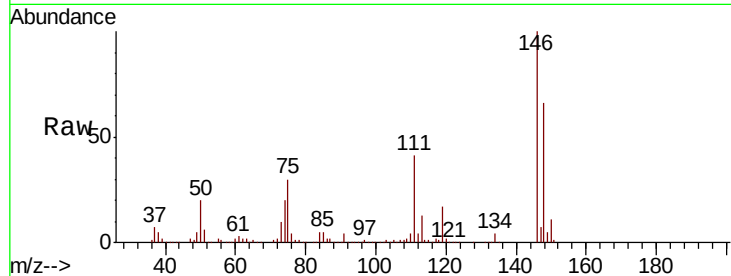
#87
 1,3-Dichlorobenzene
 Concen: 67.49 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	66.5	32.0	96.2

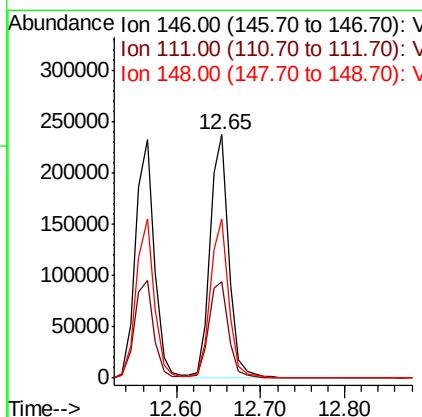
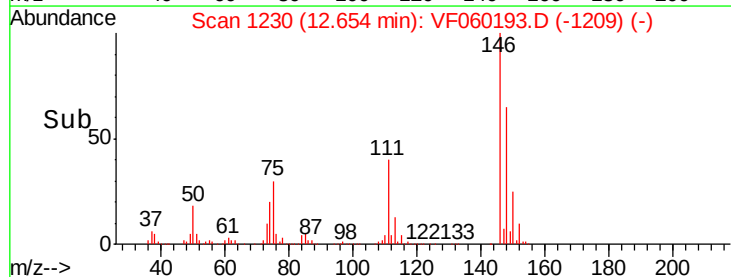
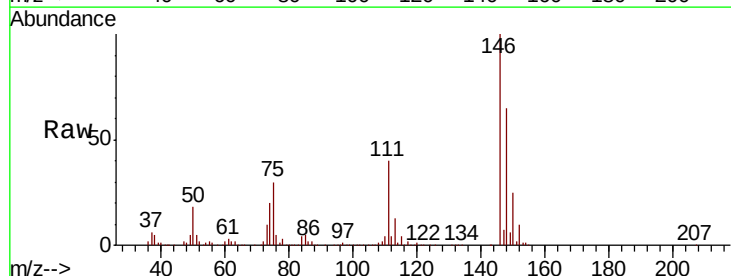
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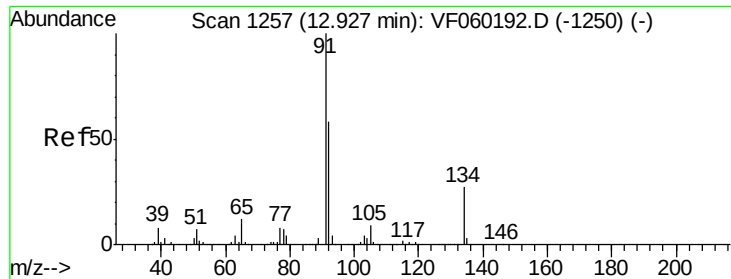
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#88
 1,4-Dichlorobenzene
 Concen: 74.21 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.5	61.5
148	65.4	32.4	97.0





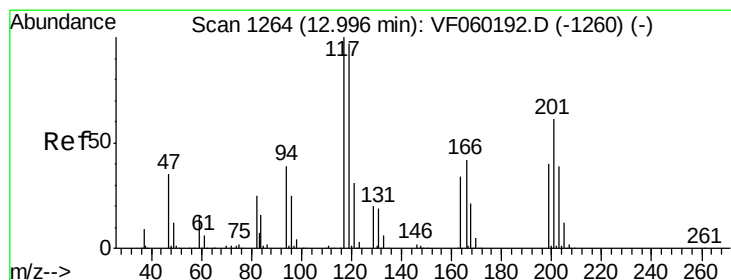
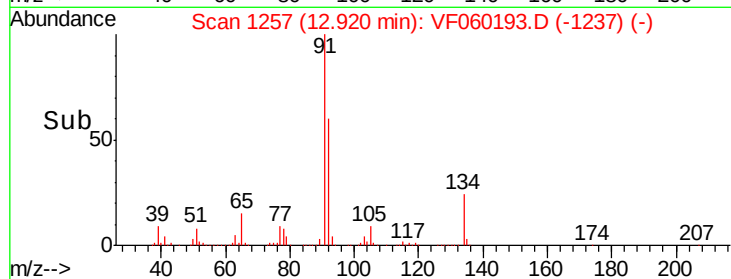
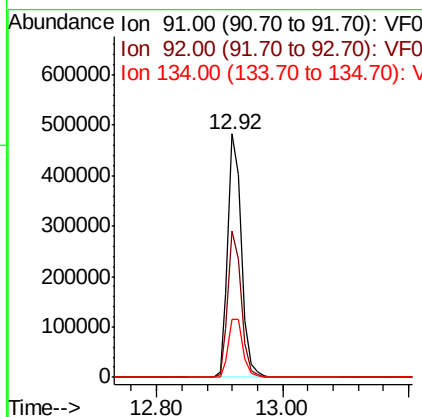
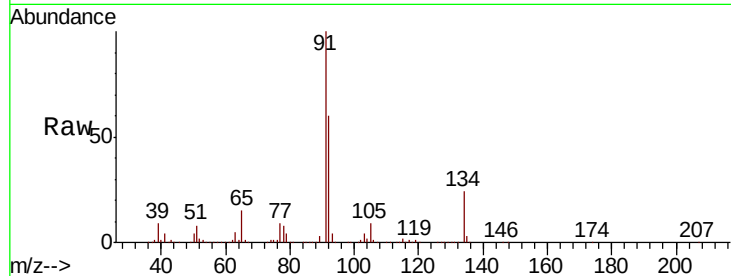
#89
n-Butylbenzene
Concen: 58.00 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.0	29.3	87.8
134	23.6	13.5	40.4

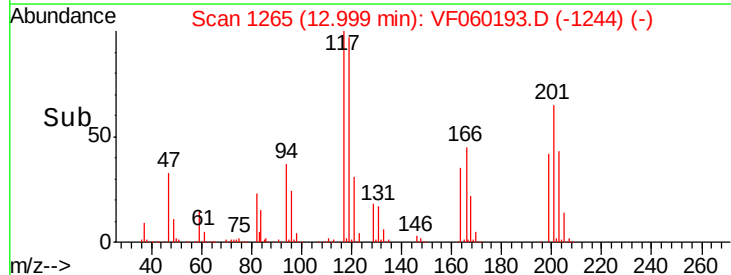
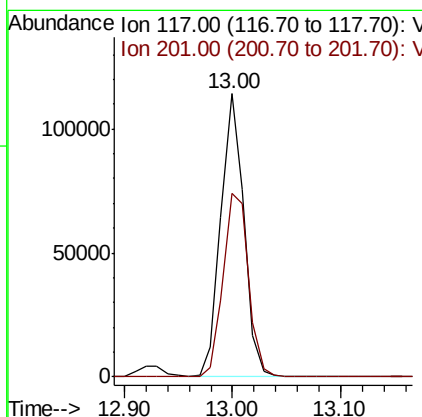
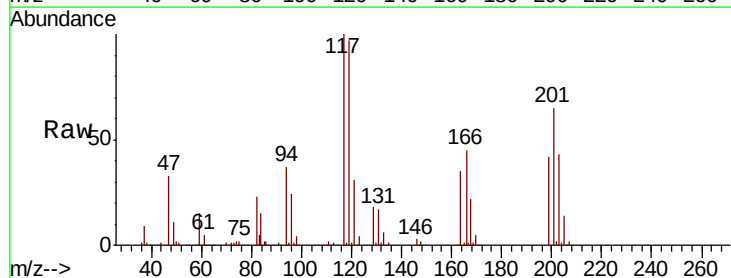
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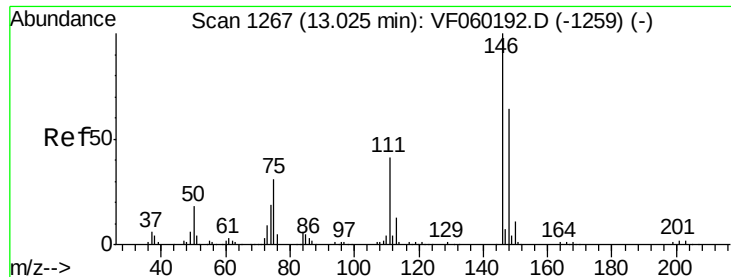
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#90
Hexachloroethane
Concen: 55.16 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.4	31.3	93.9





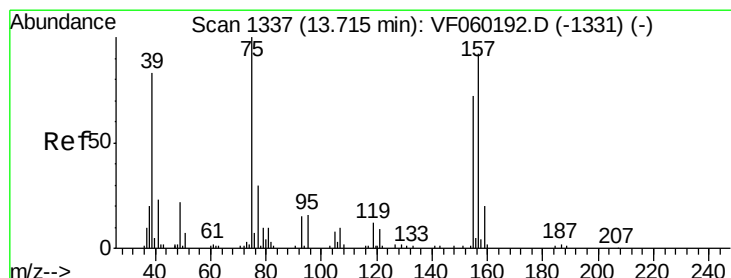
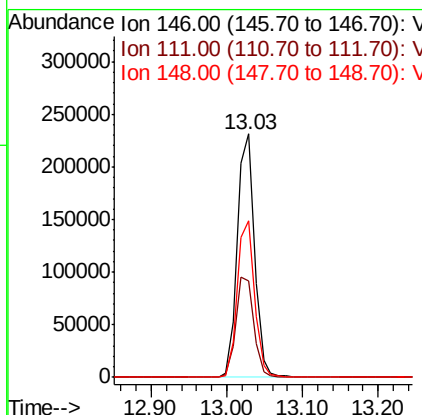
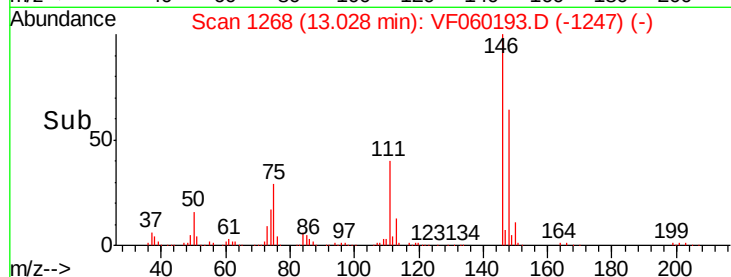
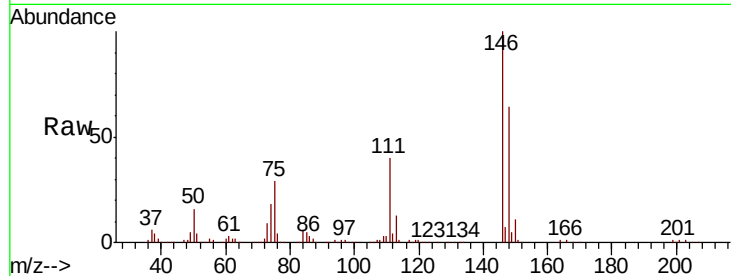
#91
 1,2-Dichlorobenzene
 Concen: 82.96 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.7	62.1
148	64.1	31.9	95.7

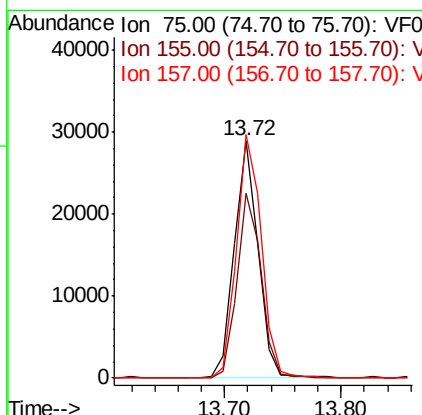
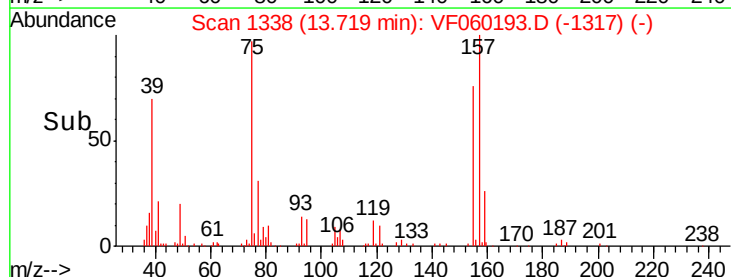
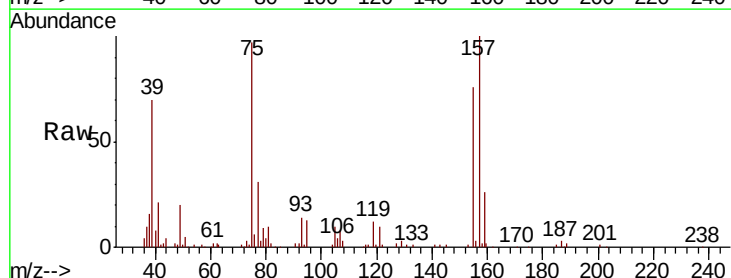
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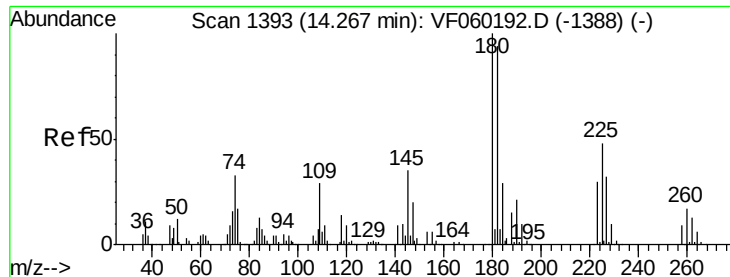
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 156.41 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	35.9	107.7
157	102.6	46.1	138.3





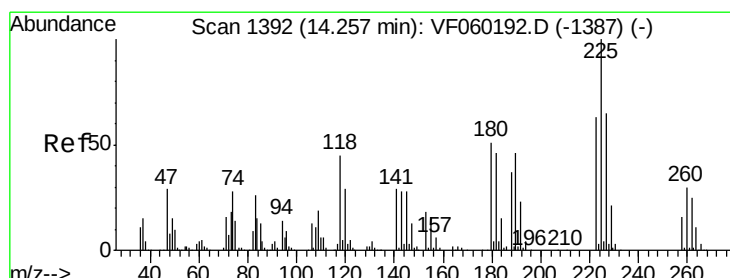
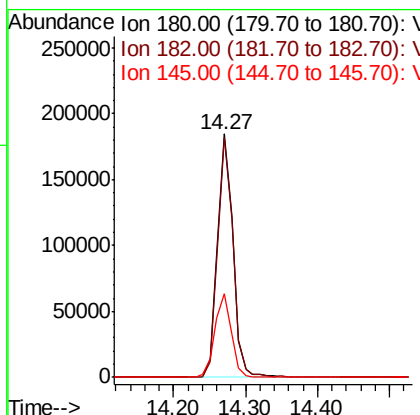
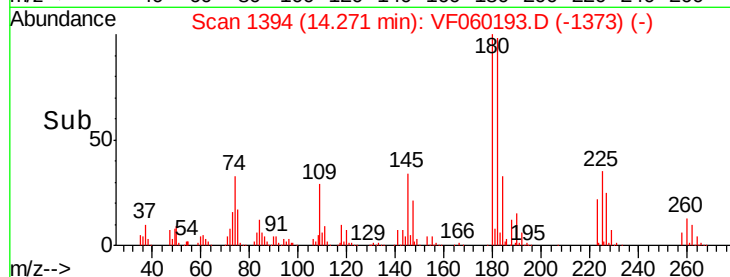
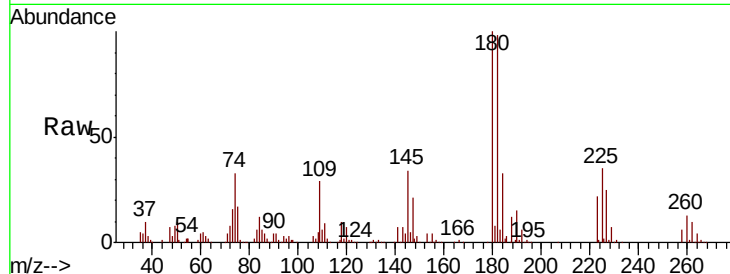
#93
 1,2,4-Trichlorobenzene
 Concen: 125.21 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:	180	Resp:	271579
Ion Ratio	Lower	Upper	
180	100		
182	98.4	47.1	141.4
145	34.5	17.3	51.7

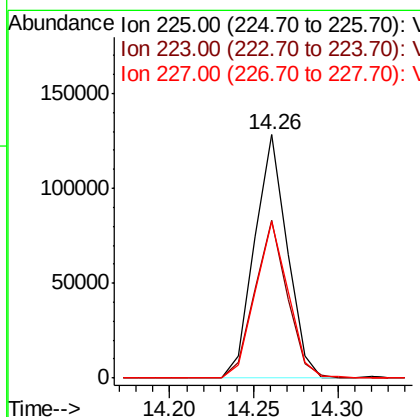
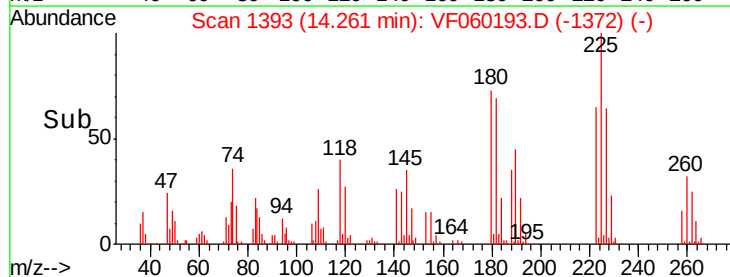
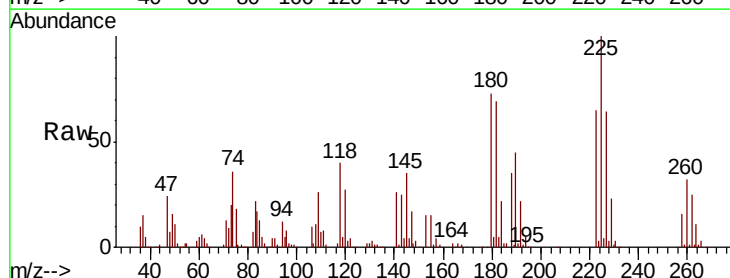
Manual Integrations
 APPROVED

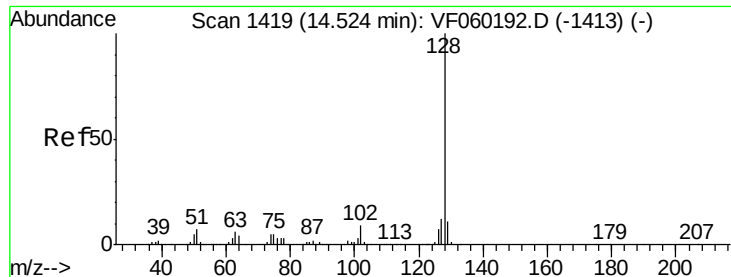
apatel
 8/30/2018 3:04:39 PM



#94
 Hexachlorobutadiene
 Concen: 49.63 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF060193.D
 Acq: 29 Aug 2018 16:58

Tgt Ion:	225	Resp:	172807
Ion Ratio	Lower	Upper	
225	100		
223	64.6	31.6	95.0
227	64.4	32.3	96.9





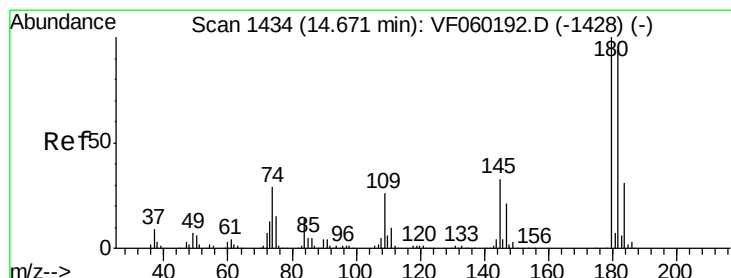
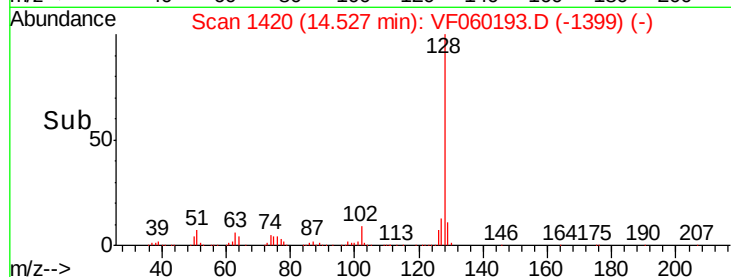
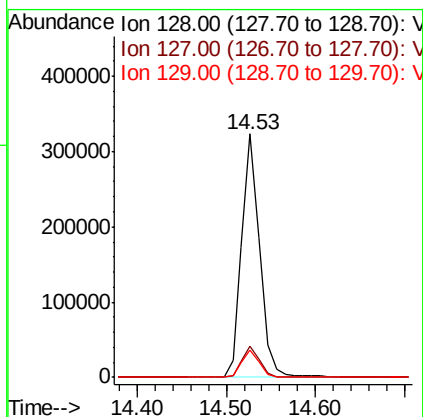
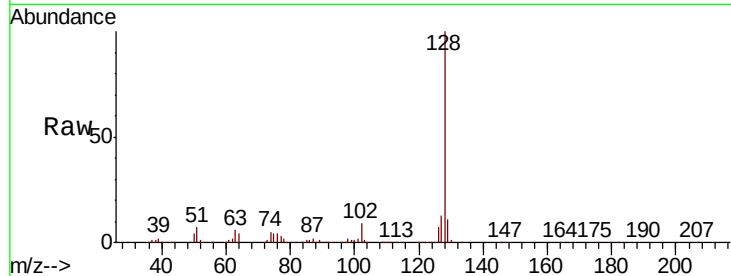
#95
Naphthalene
Concen: 204.18 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	458212		
127	13.0		9.8	14.8
129	11.2		8.6	13.0

Manual Integrations
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8/30/2018 3:04:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 146.32 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF060193.D
Acq: 29 Aug 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	272932		
182	93.1		46.9	140.6
145	29.8		16.4	49.4

