

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061192.D
 Acq On : 26 Dec 2018 17:04
 Operator : VA/AP
 Sample : J6378-18MS
 Misc : 5.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Manual Integrations
 APPROVED

apatel
 12/27/2018 4:19:06 PM

Quant Time: Dec 27 07:48:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	143747	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	266085	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	208158	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	95391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	104818	56.69	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	4.09	113	114083	53.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	7.54	98	293088	48.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.40	95	122279	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	135487	42.401	ug/l	93
3) Chloromethane	1.11	50	85822	46.888	ug/l	97
4) Vinyl Chloride	1.13	62	76840	45.254	ug/l #	87
5) Bromomethane	1.31	94	47996	40.753	ug/l	88
6) Chloroethane	1.38	64	35708	45.640	ug/l	94
7) Trichlorofluoromethane	1.47	101	159069m	49.064	ug/l	
8) Diethyl Ether	1.62	74	22965	51.728	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	73042	43.452	ug/l	95
10) Methyl Iodide	1.90	142	102919m	38.841	ug/l	
11) Tert butyl alcohol	2.56	59	22696	304.203	ug/l	95
12) 1,1-Dichloroethene	1.79	96	60095	47.426	ug/l	97
13) Acrolein	1.99	56	5545	102.854	ug/l	81
14) Allyl chloride	2.08	41	74338	56.374	ug/l	96
15) Acrylonitrile	2.93	53	39481	228.845	ug/l	93
16) Acetone	2.23	43	98174	265.621	ug/l	96
17) Carbon Disulfide	1.82	76	164818m	43.041	ug/l	
18) Methyl Acetate	2.34	43	85305	111.557	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	143711	51.096	ug/l	99
20) Methylene Chloride	2.26	84	63570m	54.201	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	47216	34.839	ug/l	95
22) Diisopropyl ether	2.78	45	225443	51.325	ug/l	99
23) Vinyl Acetate	3.18	43	64977	32.066	ug/l	97
24) 1,1-Dichloroethane	2.85	63	126225	48.501	ug/l	98
25) 2-Butanone	4.31	43	153637	256.308	ug/l	100
26) 2,2-Dichloropropane	3.58	77	74815	50.093	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	100433	48.406	ug/l	97
28) Bromochloromethane	3.70	49	65246	49.410	ug/l	93
29) Tetrahydrofuran	4.06	42	63179	258.960	ug/l	98
30) Chloroform	3.84	83	193272	49.528	ug/l	99
31) Cyclohexane	3.67	56	113210m	41.921	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	111124	47.510	ug/l	100
36) 1,1-Dichloropropene	4.26	75	134133	41.762	ug/l	95
37) Ethyl Acetate	4.09	43	39564	29.512	ug/l #	54
38) Carbon Tetrachloride	3.97	117	103848	42.457	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	92890	32.237	ug/l	99
40) Benzene	4.61	78	304982	44.155	ug/l	93
41) Methacrylonitrile	4.73	41	29347	43.265	ug/l	93
42) 1,2-Dichloroethane	4.92	62	116094	44.245	ug/l	98
43) Isopropyl Acetate	6.94	43	39053	25.182	ug/l	98
44) Trichloroethene	5.48	130	92178	42.330	ug/l	95
45) 1,2-Dichloropropane	6.21	63	80048	42.597	ug/l	98
46) Dibromomethane	6.07	93	54195	44.465	ug/l	95
47) Bromodichloromethane	6.37	83	140768	44.451	ug/l	99
48) Methyl methacrylate	6.70	41	51540	47.606	ug/l	94
49) 1,4-Dioxane	6.69	88	7620	970.001	ug/l	93
51) 4-Methyl-2-Pentanone	8.25	43	260097	244.545	ug/l	98
52) Toluene	7.61	92	180160	39.404	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	110243	43.153	ug/l	100
54) cis-1,3-Dichloropropene	7.28	75	141609	44.166	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	61275	44.705	ug/l	97
56) Ethyl methacrylate	8.60	69	45939	30.974	ug/l	98
57) 1,3-Dichloropropane	8.84	76	108404	43.729	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	57649	202.384	ug/l	98
59) 2-Hexanone	9.48	43	169922	220.917	ug/l	98
60) Dibromochloromethane	8.70	129	87797	44.685	ug/l	99
61) 1,2-Dibromoethane	8.97	107	65817	44.962	ug/l	99
64) Tetrachloroethene	8.14	164	74415	46.473	ug/l	95
65) Chlorobenzene	9.79	112	192223	44.700	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	92009	52.357	ug/l	95
67) Ethyl Benzene	9.88	91	379525	48.444	ug/l	99
68) m/p-Xylenes	10.11	106	245848	89.170	ug/l	95
69) o-Xylene	10.70	106	145265	47.507	ug/l	92
70) Styrene	10.77	104	193740	52.212	ug/l	97
71) Bromoform	10.76	173	41131	50.590	ug/l	95
73) Isopropylbenzene	11.12	105	389121	47.336	ug/l	98
74) N-amyl acetate	11.36	43	30292	16.598	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	78003	57.174	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	57231	56.368	ug/l	96
77) Bromobenzene	11.48	156	83251	47.046	ug/l	96
78) n-propylbenzene	11.58	91	419134	43.036	ug/l	100
79) 2-Chlorotoluene	11.71	91	253591	44.970	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	303347	44.815	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	25643m	58.775	ug/l	
82) 4-Chlorotoluene	11.89	91	256771	44.016	ug/l	98
83) tert-Butylbenzene	12.12	119	298030	42.788	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	296136	43.872	ug/l	98
85) sec-Butylbenzene	12.29	105	362170	39.844	ug/l	98
86) p-Isopropyltoluene	12.45	119	310705	41.180	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	145542	50.446	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	142552	43.871	ug/l	98
89) n-Butylbenzene	12.83	91	270760	32.919	ug/l	94
90) Hexachloroethane	12.90	117	72687	38.993	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	140375	44.373	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	13627	54.431	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	72068	32.122	ug/l	98
94) Hexachlorobutadiene	14.18	225	28968	20.272	ug/l	95
95) Naphthalene	14.44	128	168897	41.227	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	61072	29.446	ug/l	98

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

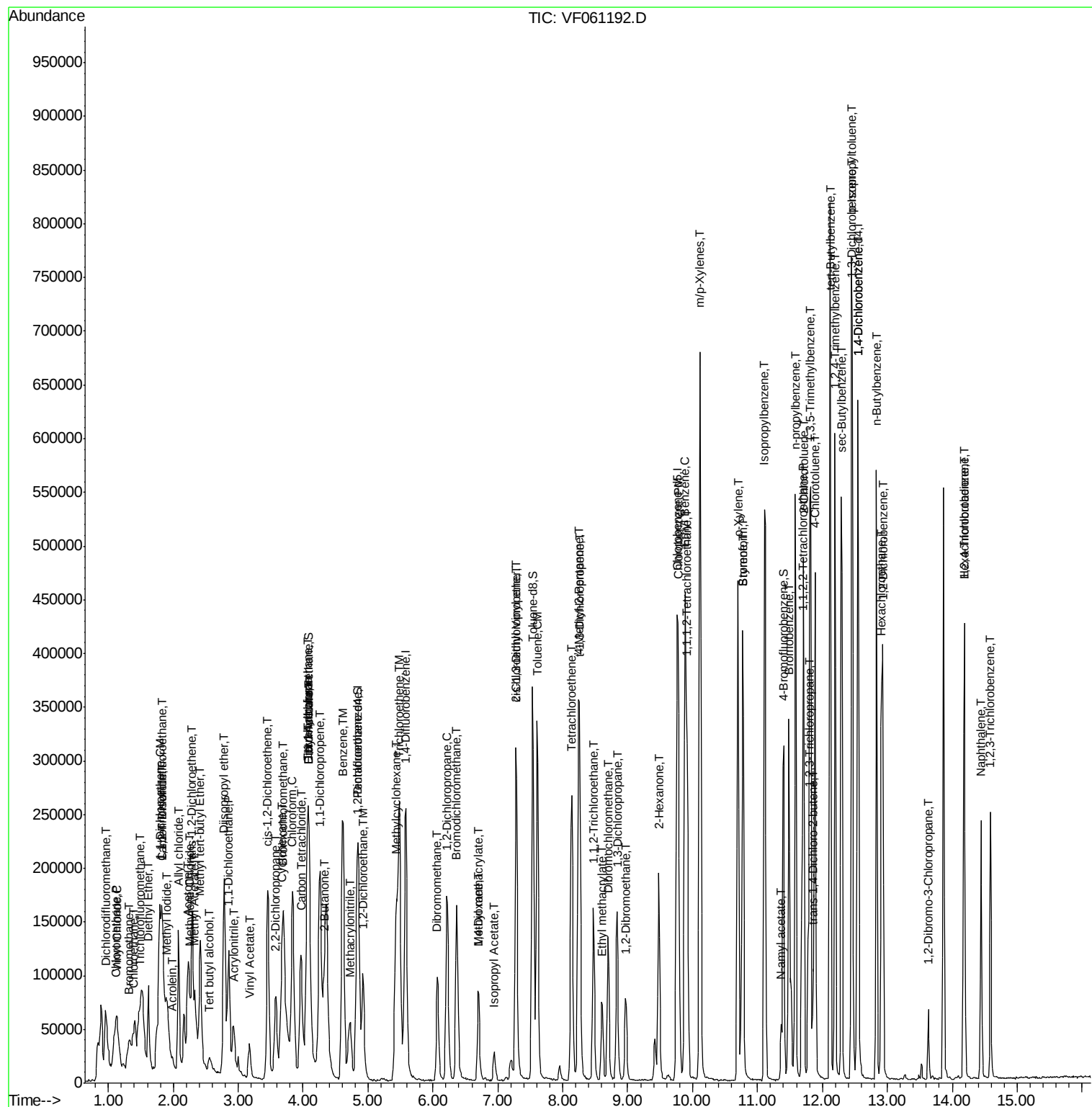
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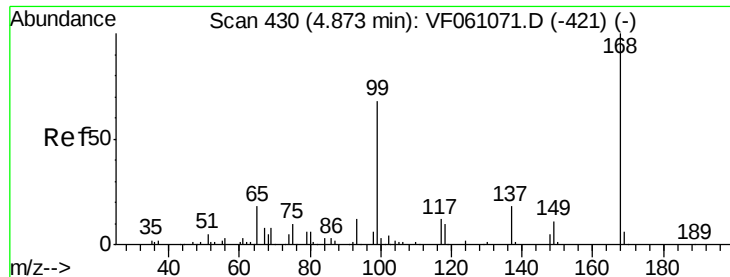
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:168 Resp: 143747

Ion Ratio Lower Upper

168 100

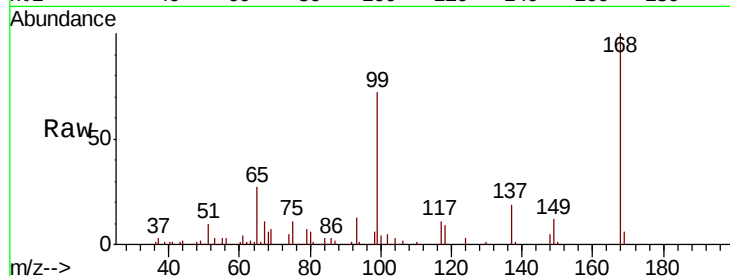
99 72.3 54.4 81.6

Manual Integrations

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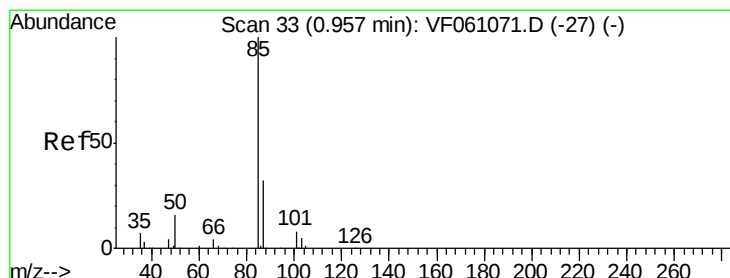
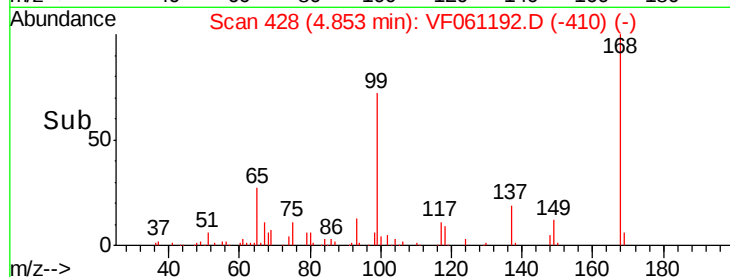
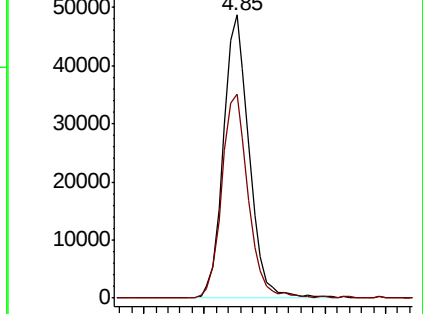
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 42.401 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061192.D

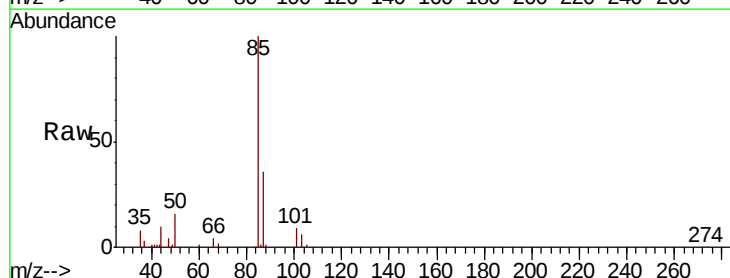
Acq: 26 Dec 2018 17:04

Tgt Ion: 85 Resp: 135487

Ion Ratio Lower Upper

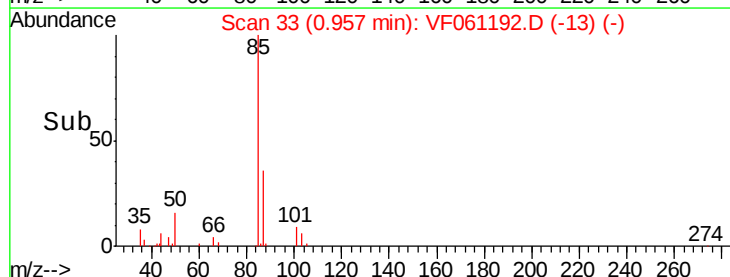
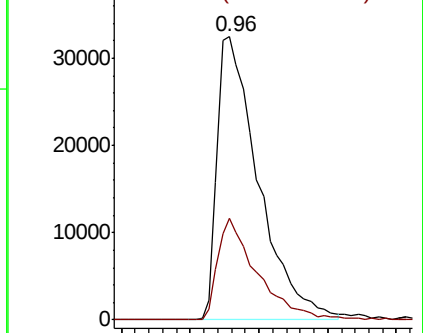
85 100

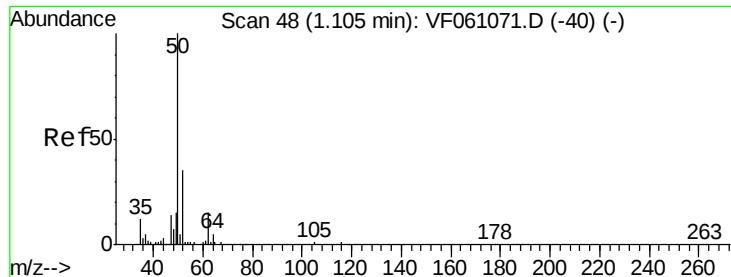
87 35.8 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 46.888 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 50 Resp: 85822

Ion Ratio Lower Upper

50 100

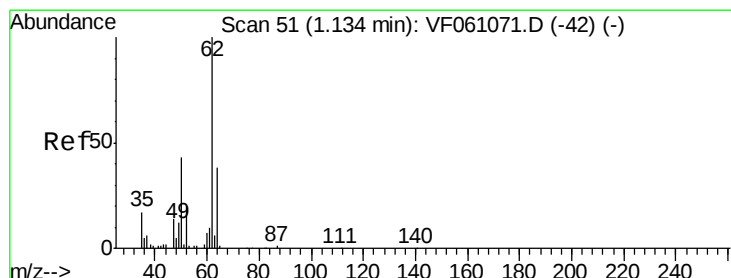
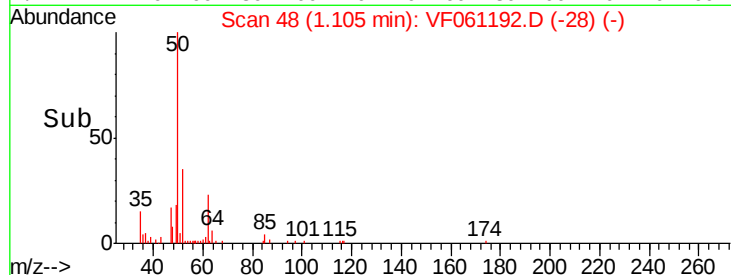
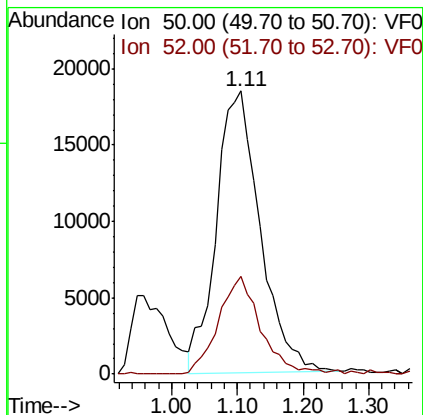
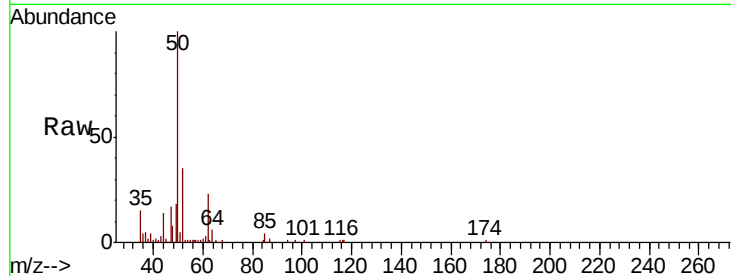
52 34.6 26.3 39.5

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#4

Vinyl Chloride

Concen: 45.254 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061192.D

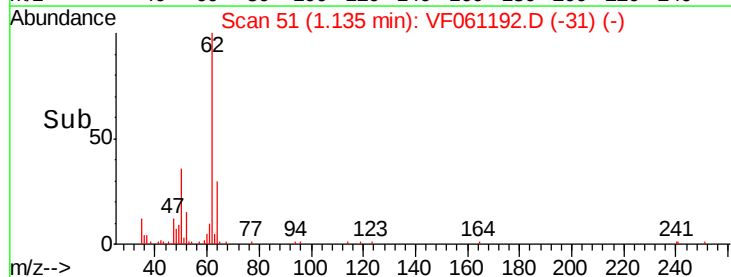
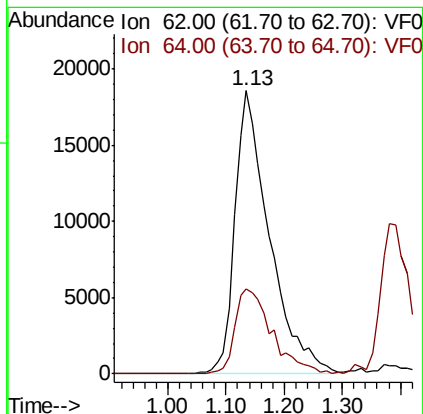
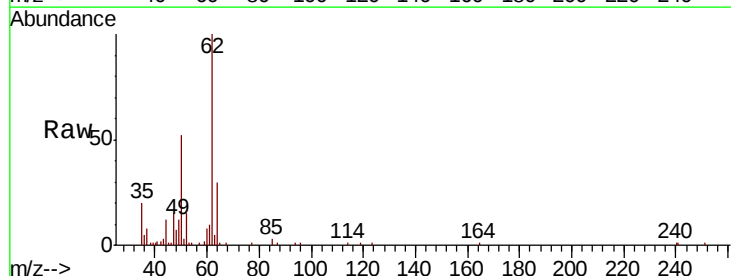
Acq: 26 Dec 2018 17:04

Tgt Ion: 62 Resp: 76840

Ion Ratio Lower Upper

62 100

64 30.0 30.4 45.6#





#5

Bromomethane

Concen: 40.753 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 94 Resp: 47996

Ion Ratio Lower Upper

94 100

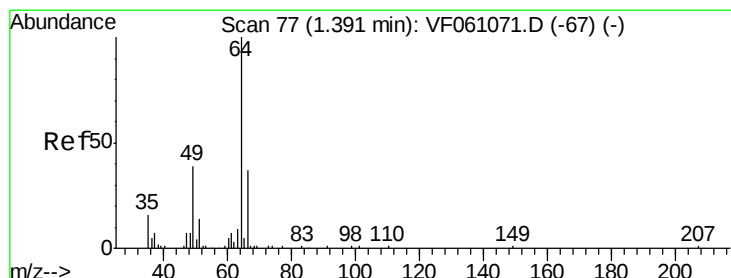
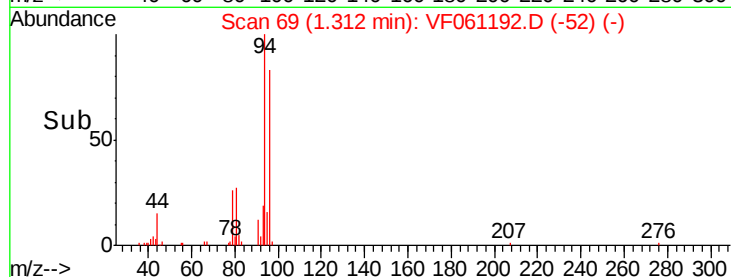
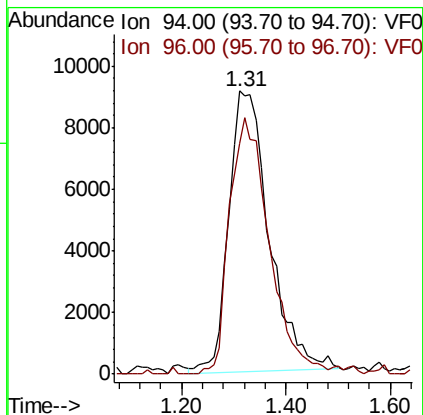
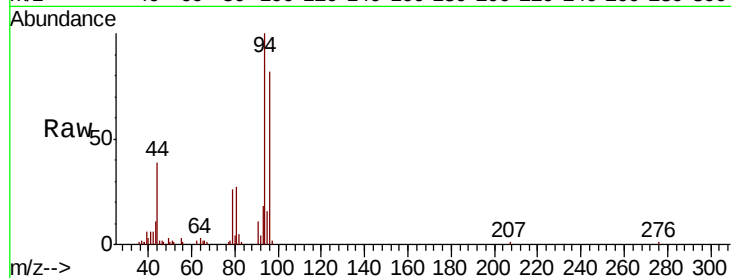
96 81.5 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 45.640 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061192.D

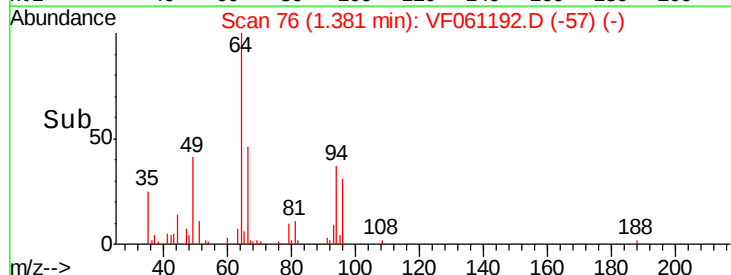
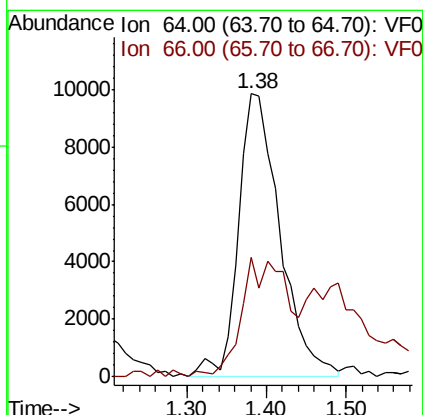
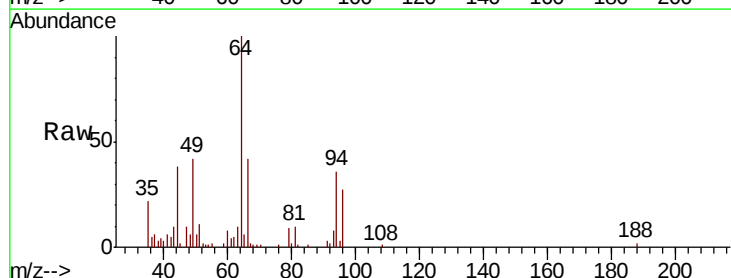
Acq: 26 Dec 2018 17:04

Tgt Ion: 64 Resp: 35708

Ion Ratio Lower Upper

64 100

66 42.2 30.9 46.3





#7

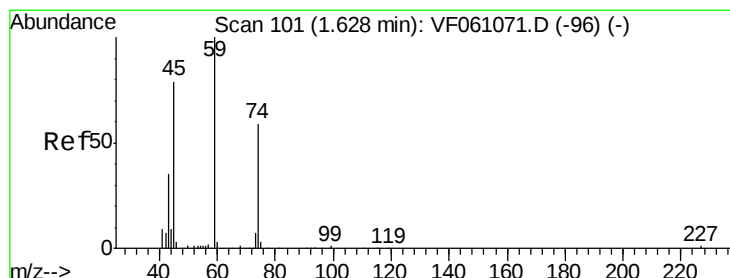
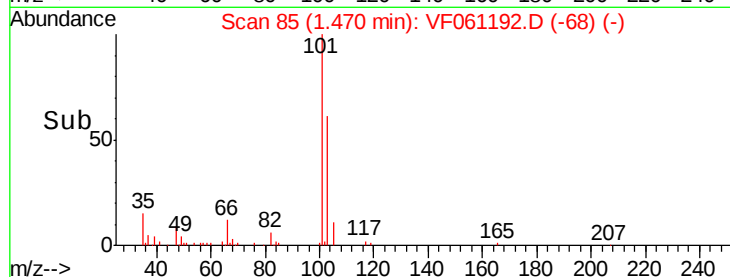
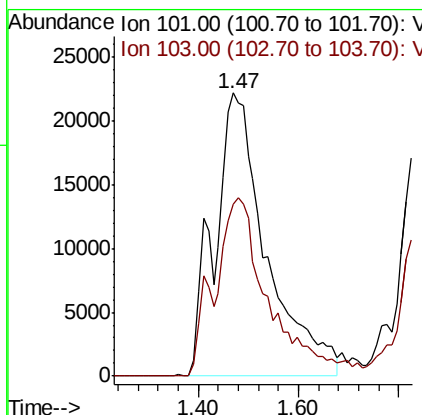
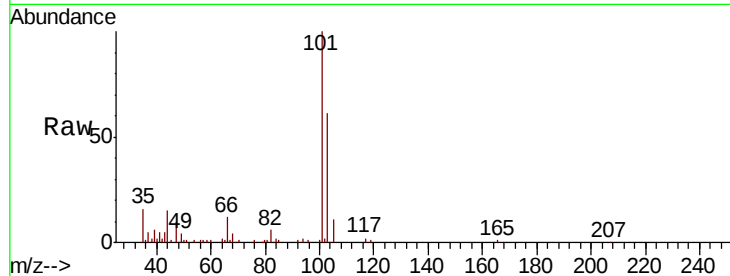
Trichlorofluoromethane
Concen: 49.064 ug/l m
RT: 1.47 min Scan# 85
Delta R.T. -0.03 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

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P001-SS001-0612-01MS

Tot Ion:101 Resp: 159069
Ion Ratio Lower Upper
101 100
103 60.8 50.7 76.1

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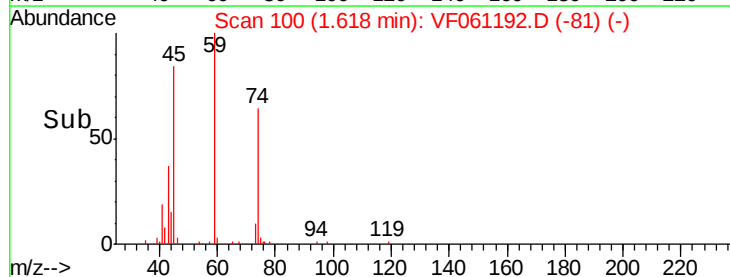
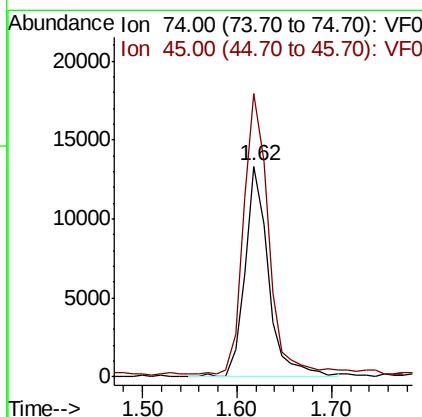
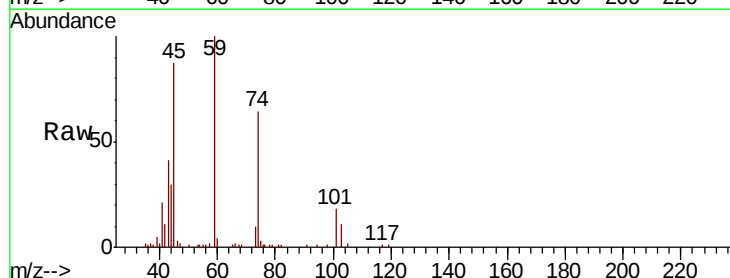
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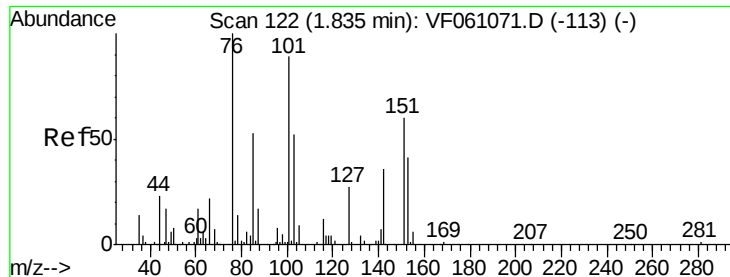


#8

Diethyl Ether
Concen: 51.728 ug/l
RT: 1.62 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 74 Resp: 22965
Ion Ratio Lower Upper
74 100
45 134.3 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.452 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

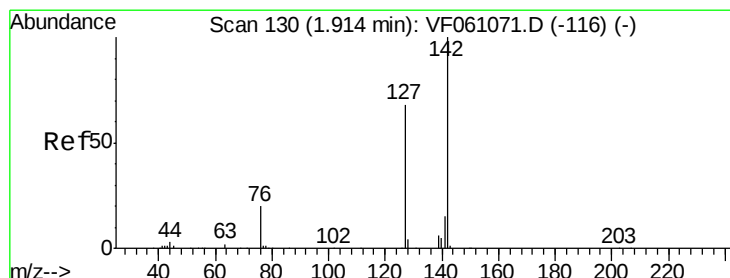
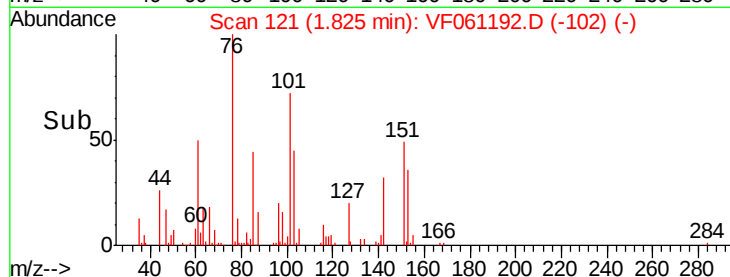
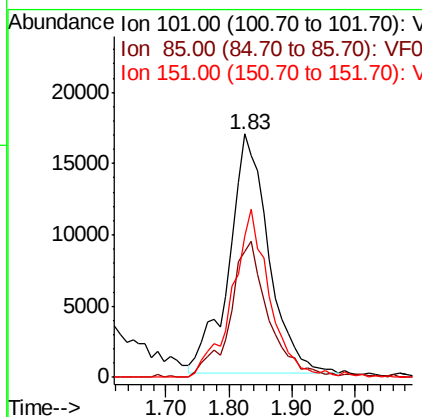
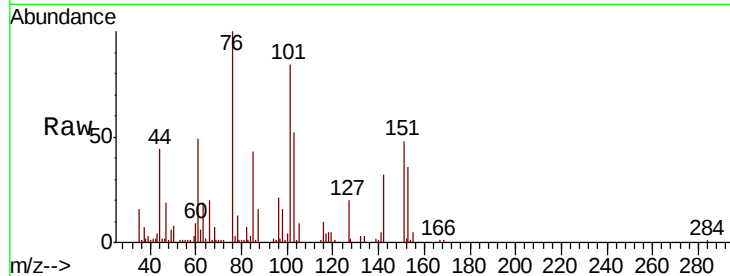
ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:	101	Resp:	73042
Ion Ratio	Lower	Upper	
101	100		
85	51.9	44.5	66.7
151	57.9	49.9	74.9

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#10

Methyl Iodide

Concen: 38.841 ug/l m

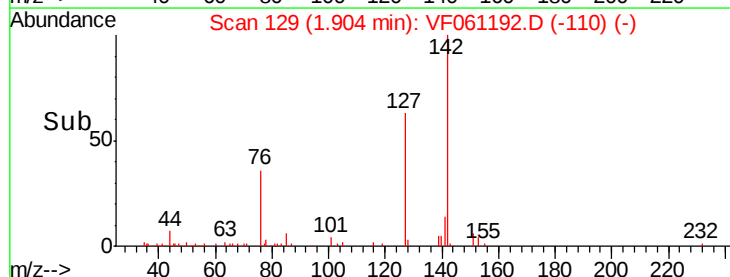
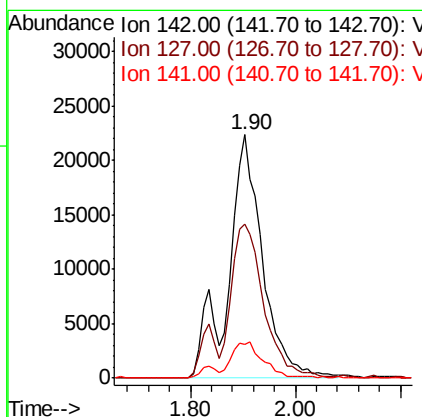
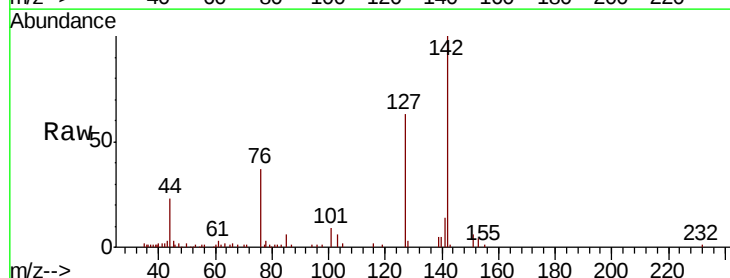
RT: 1.90 min Scan# 129

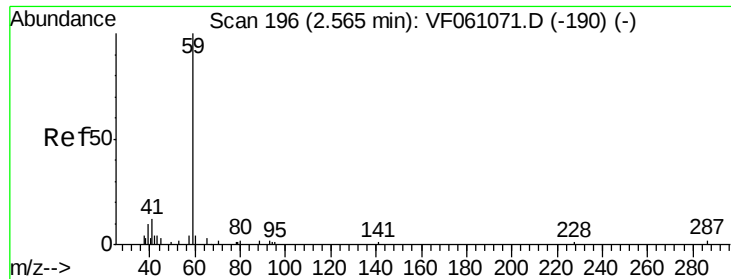
Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion:	142	Resp:	102919
Ion Ratio	Lower	Upper	
142	100		
127	63.5	54.7	82.1
141	13.9	12.2	18.2





#11

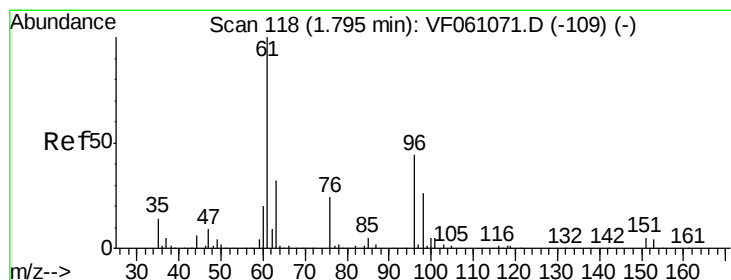
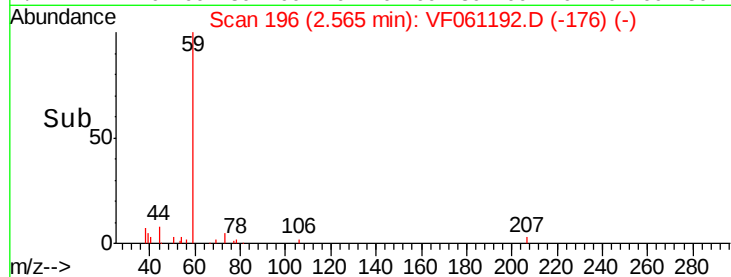
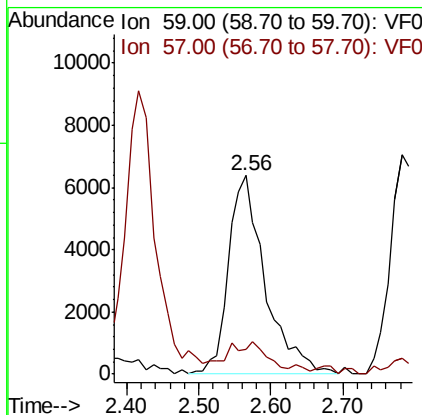
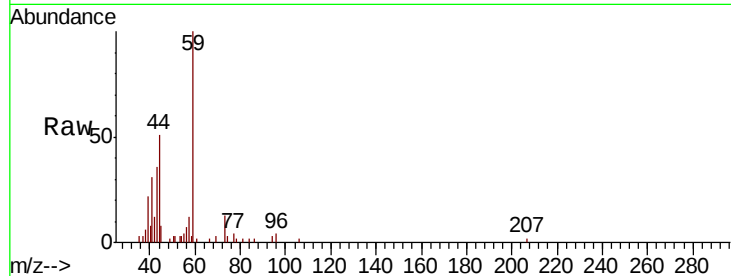
Tert butyl alcohol
Concen: 304.203 ug/l
RT: 2.56 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	11.5	17.3

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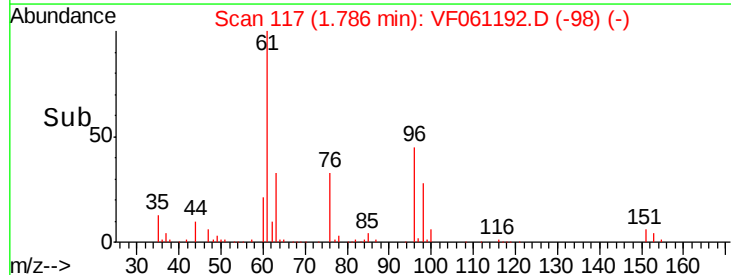
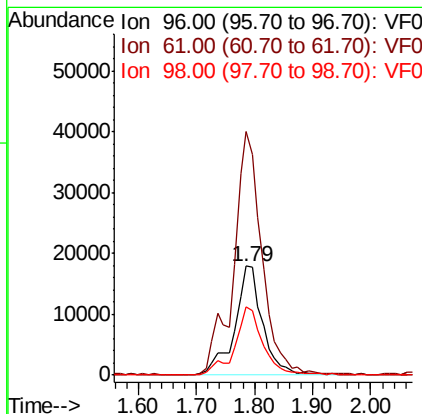
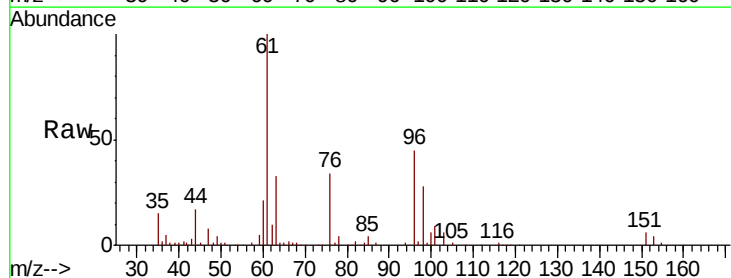
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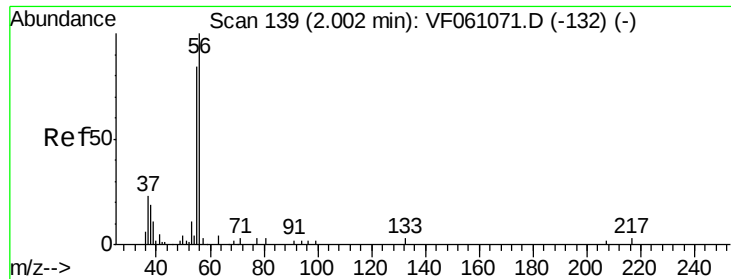


#12

1,1-Dichloroethene
Concen: 47.426 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	223.1	182.0	273.0
98	62.3	46.5	69.7





#13

Acrolein

Concen: 102.854 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 56 Resp: 5545

Ion Ratio Lower Upper

56 100

55 70.3

70.2

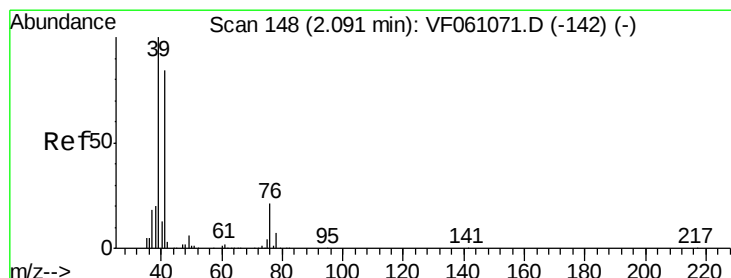
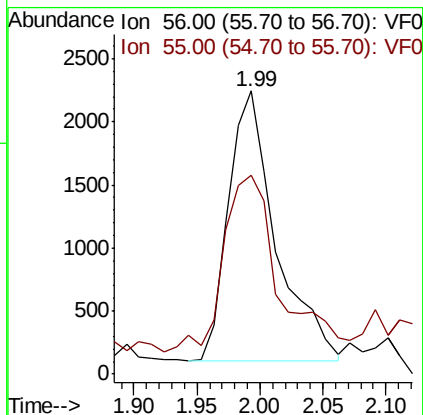
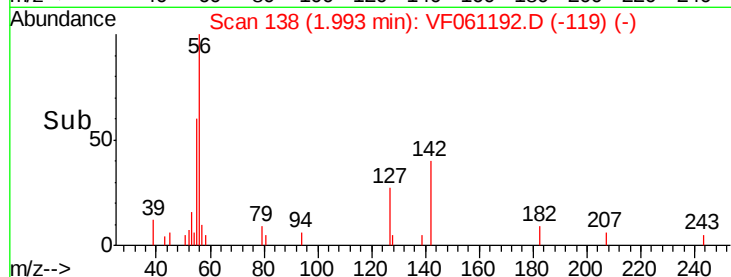
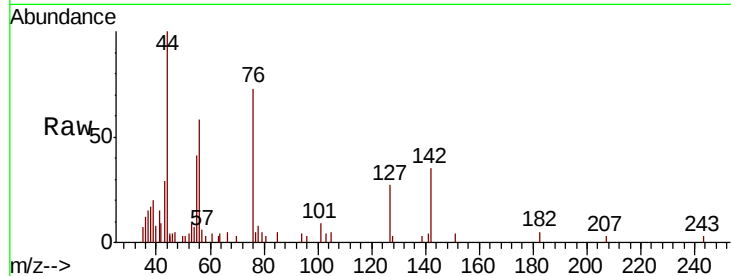
105.2

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#14

Allyl chloride

Concen: 56.374 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion: 41 Resp: 74338

Ion Ratio Lower Upper

41 100

39 115.3

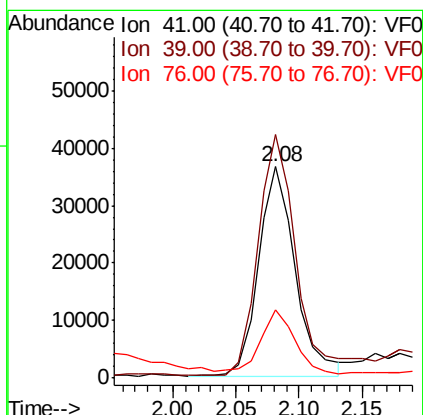
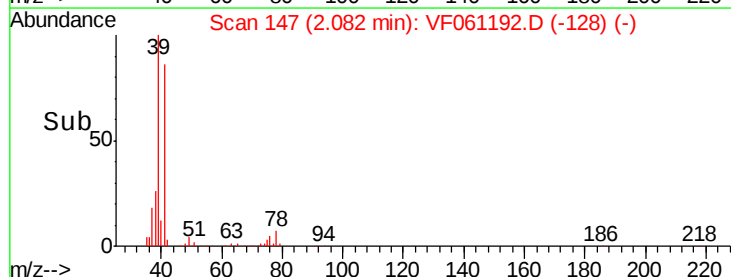
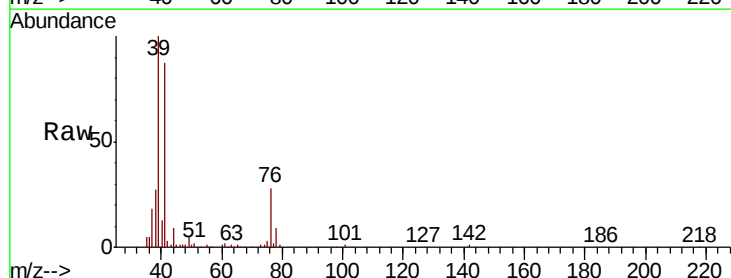
96.4

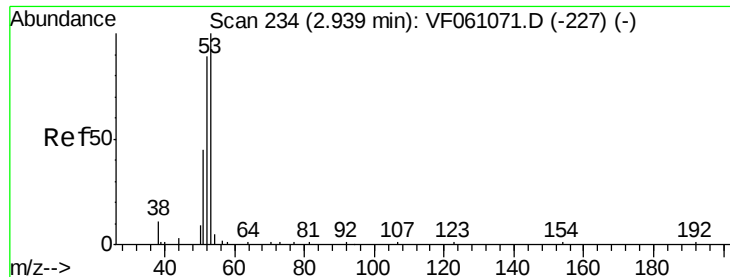
144.6

76 32.4

25.4

38.0





#15

Acrylonitrile

Concen: 228.845 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

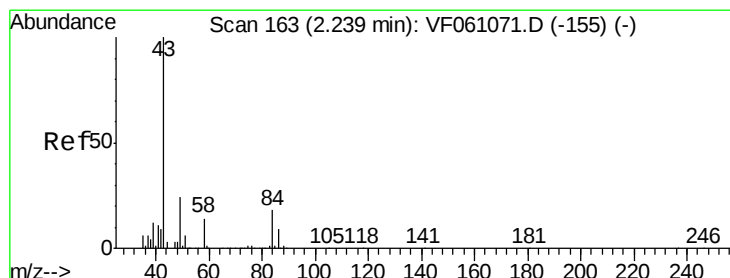
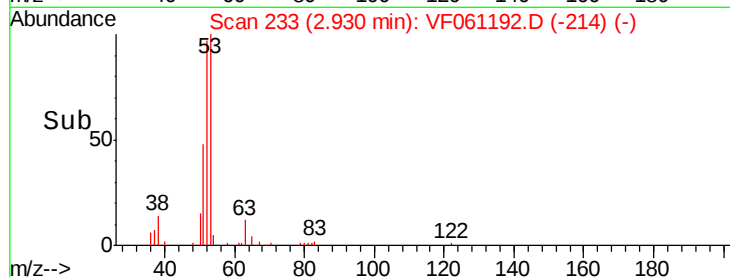
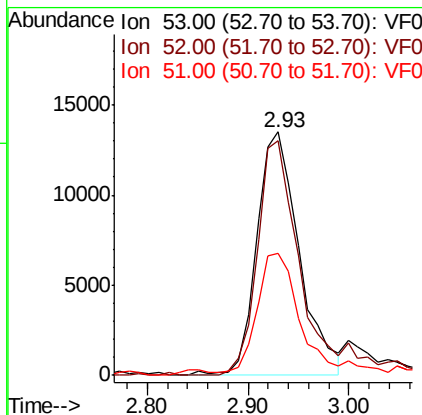
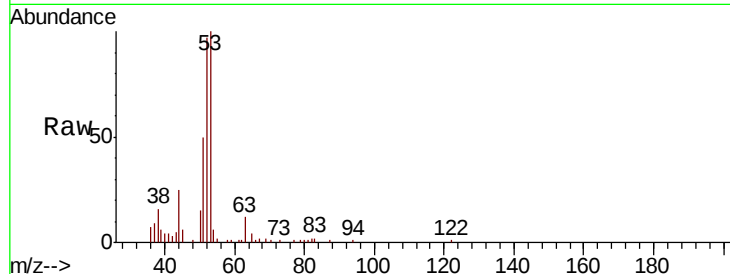
ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:	53	Resp:	39481
Ion	Ratio	Lower	Upper
53	100		
52	96.5	71.3	106.9
51	50.0	36.8	55.2

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#16

Acetone

Concen: 265.621 ug/l

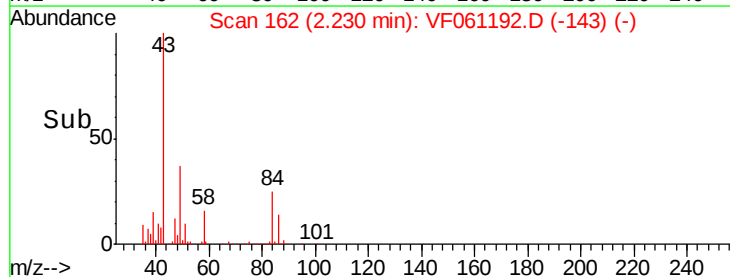
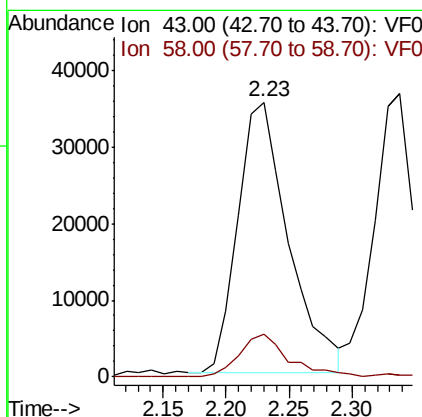
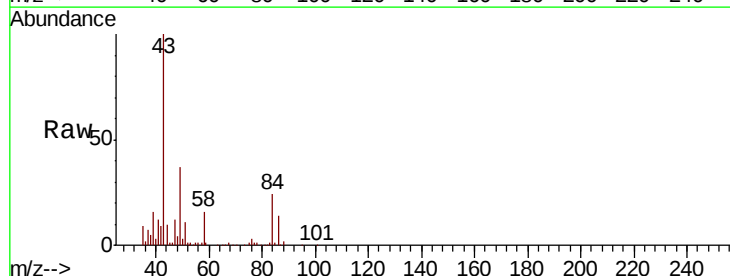
RT: 2.23 min Scan# 162

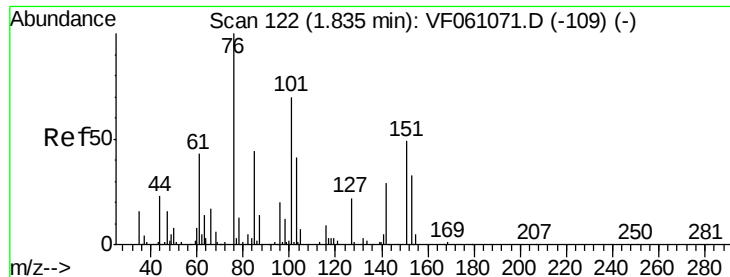
Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion:	43	Resp:	98174
Ion	Ratio	Lower	Upper
43	100		
58	15.5	11.1	16.7





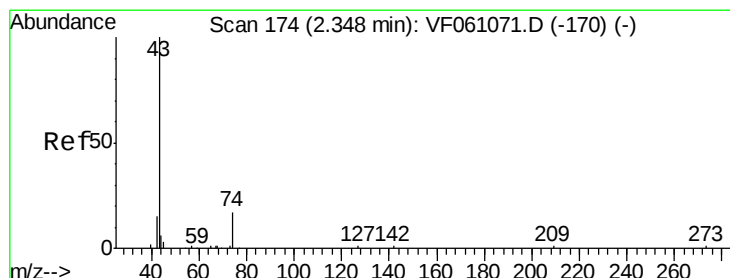
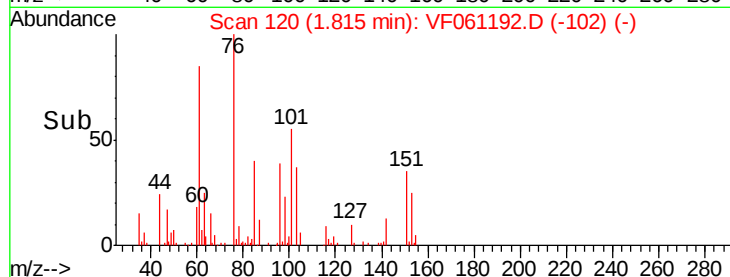
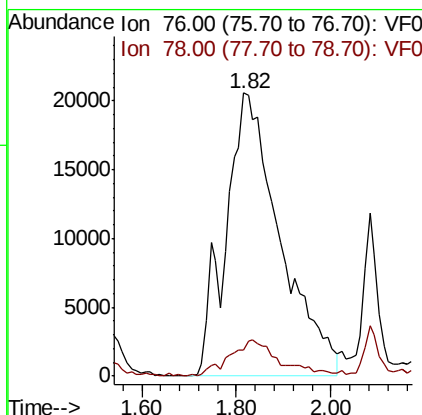
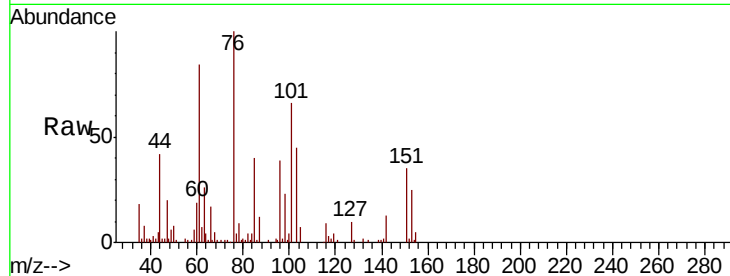
#17
Carbon Disulfide
Concen: 43.041 ug/l m
RT: 1.82 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion: 76 Resp: 164818
Ion Ratio Lower Upper
76 100
78 9.1 10.2 15.4#

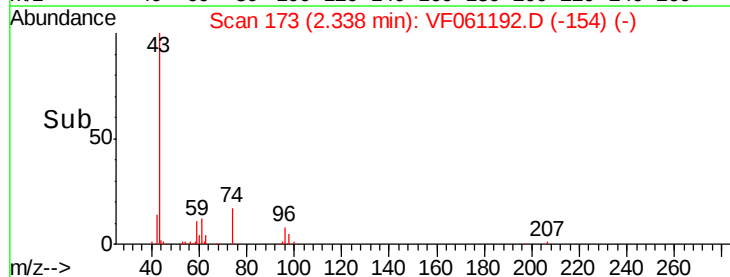
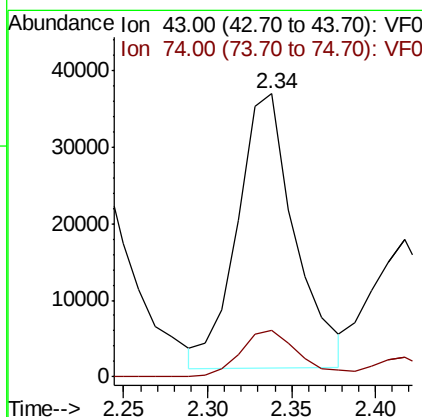
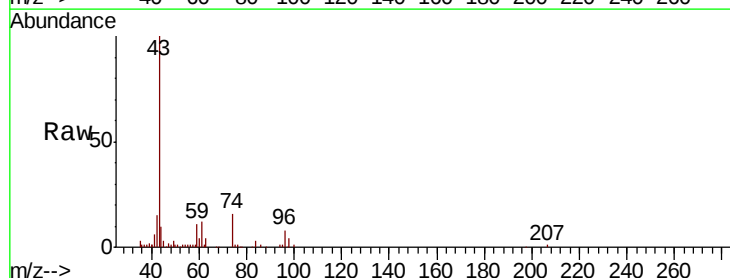
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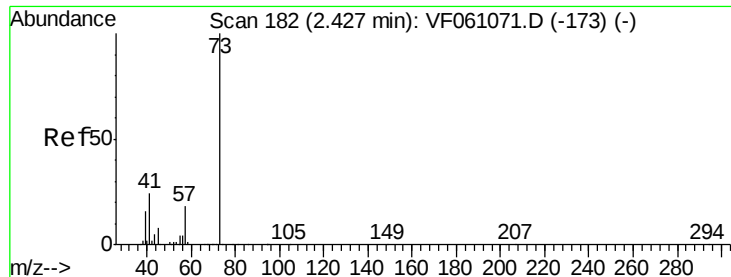
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#18
Methyl Acetate
Concen: 111.557 ug/l
RT: 2.34 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 43 Resp: 85305
Ion Ratio Lower Upper
43 100
74 16.3 11.0 16.6





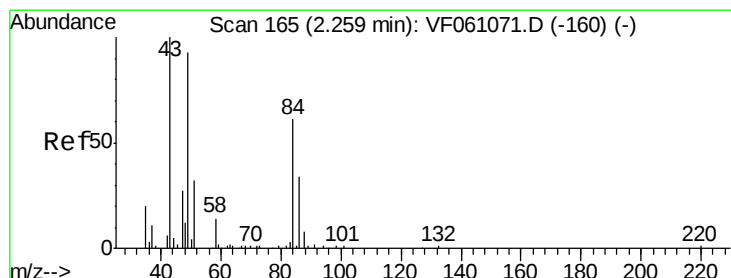
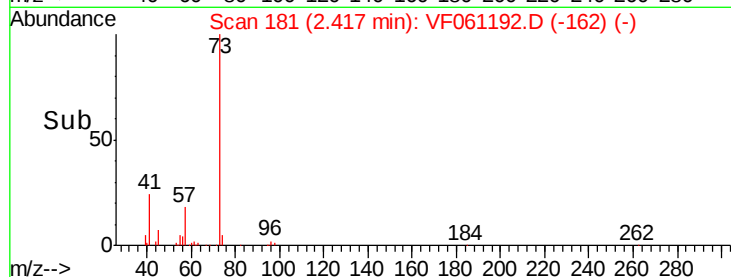
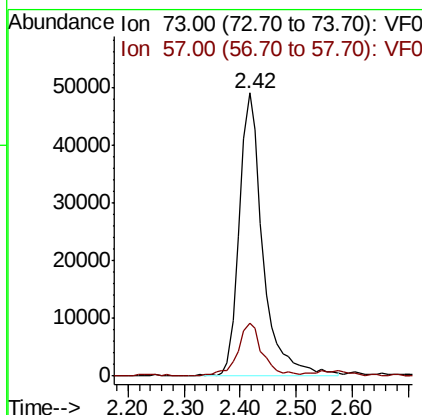
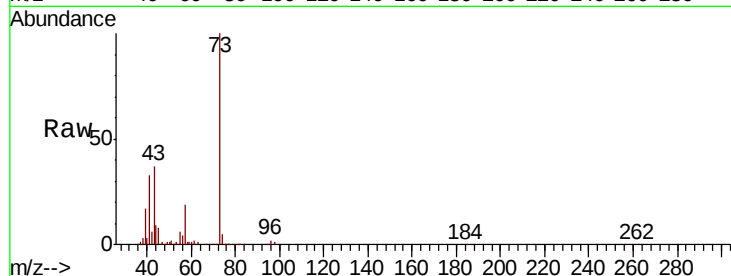
#19
Methyl tert-butyl Ether
Concen: 51.096 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	14.5	21.7

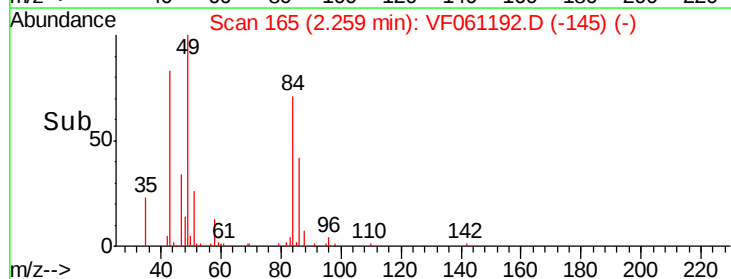
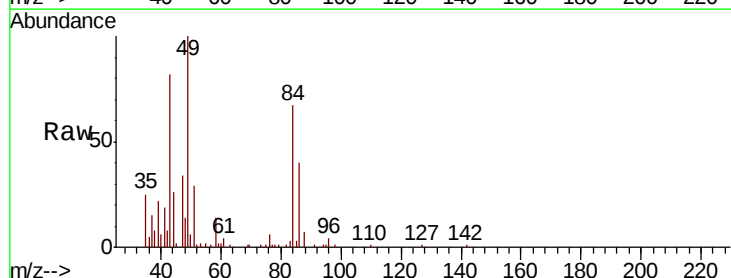
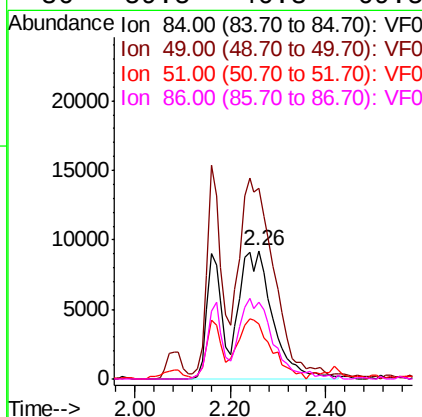
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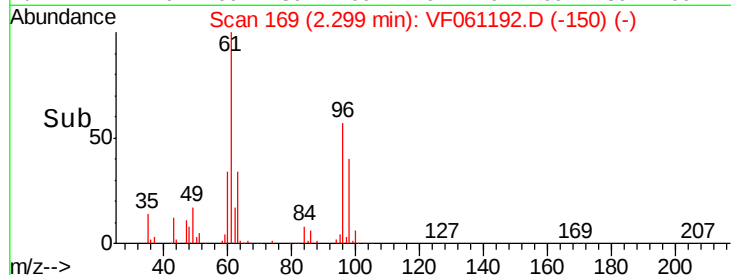
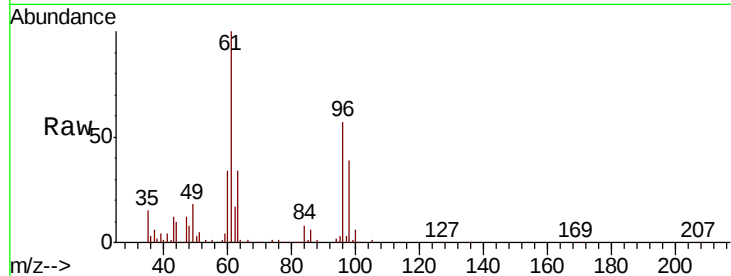
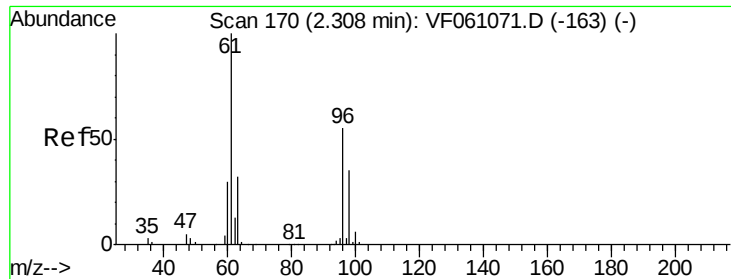
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#20
Methylene Chloride
Concen: 54.201 ug/l m
RT: 2.26 min Scan# 165
Delta R.T. 0.00 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.0	129.4	194.2
51	42.6	44.0	66.0#
86	59.5	46.3	69.5





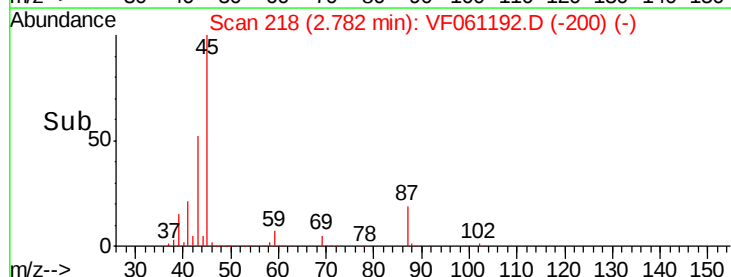
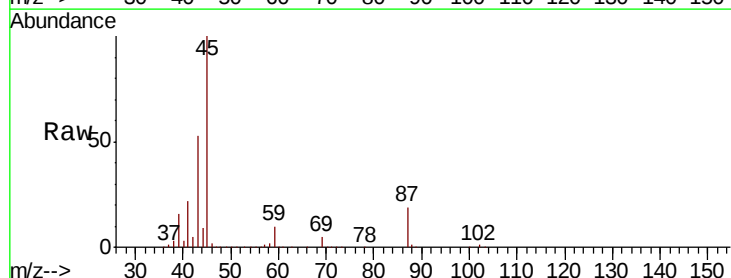
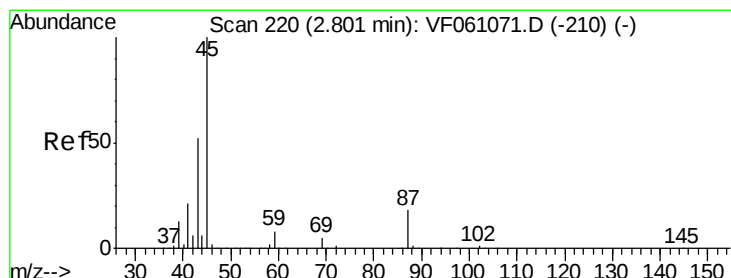
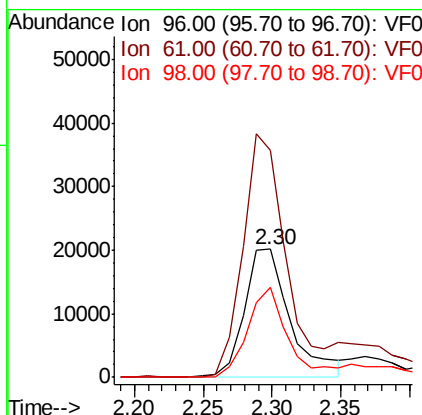
#21
trans-1,2-Dichloroethene
Concen: 34.839 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tot Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	176.9	146.0	219.0
98	98	69.8	51.6	77.4

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

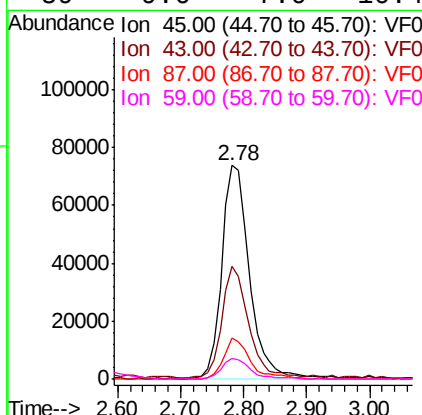
Manual Integrations
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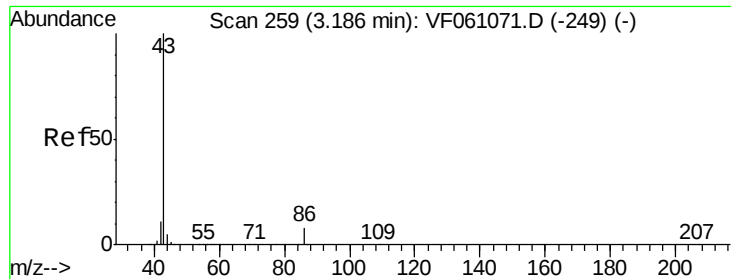
apatel
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#22
Diisopropyl ether
Concen: 51.325 ug/l
RT: 2.78 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ion	Ratio	Lower	Upper
45	45	100		
43	43	52.8	42.2	63.2
87	87	18.9	14.6	22.0
59	59	9.6	7.0	10.4





#23

Vinyl Acetate

Concen: 32.066 ug/l

RT: 3.18 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 43 Resp: 64977

Ion Ratio Lower Upper

43 100

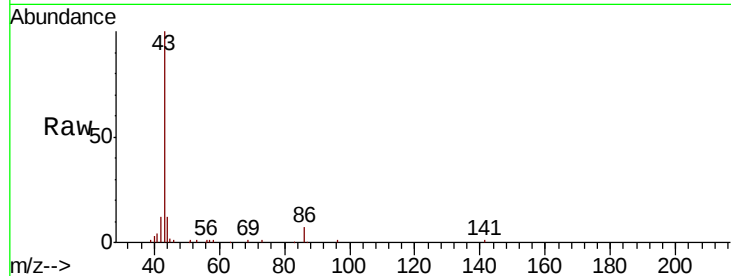
86 7.0 6.3 9.5

Manual Integrations

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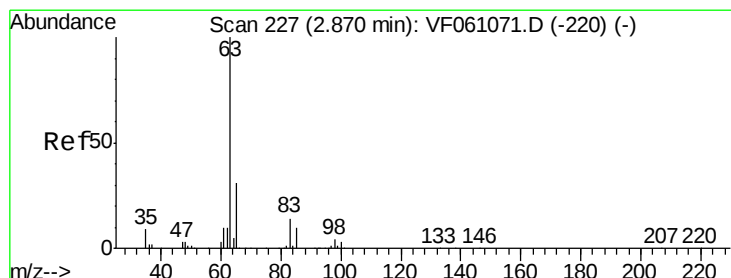
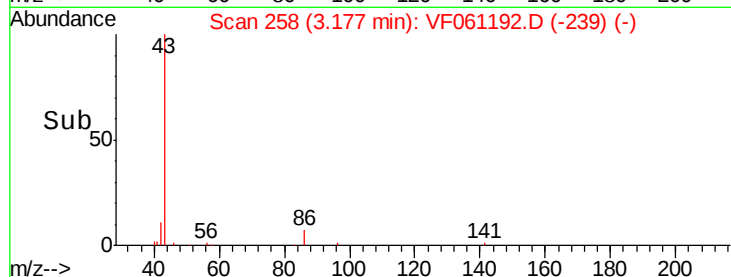
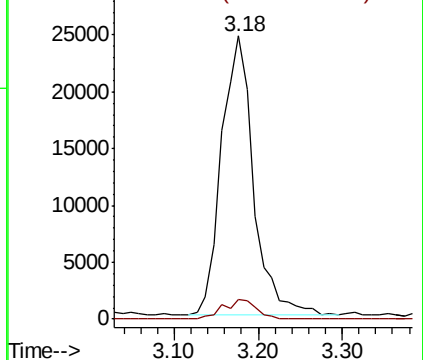
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 48.501 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

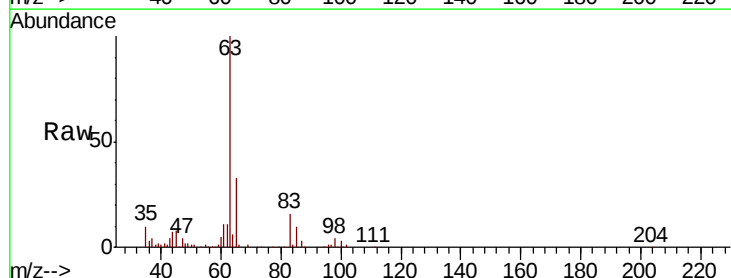
Tgt Ion: 63 Resp: 126225

Ion Ratio Lower Upper

63 100

98 3.6 2.1 6.5

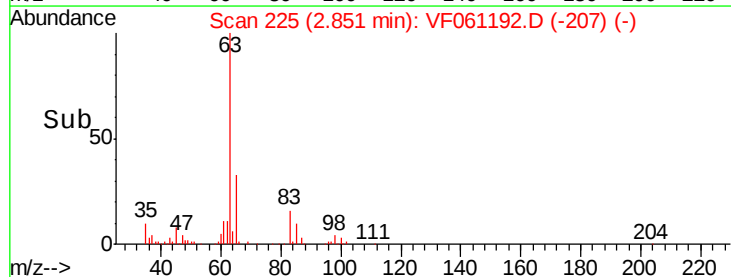
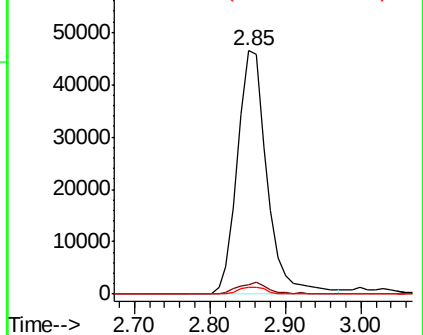
100 2.8 1.7 5.1

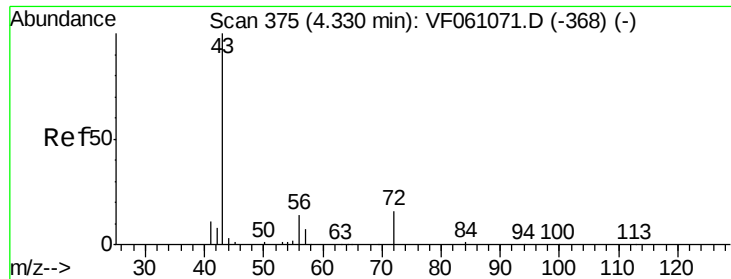


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 256.308 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 43 Resp: 153637

Ion Ratio Lower Upper

43 100

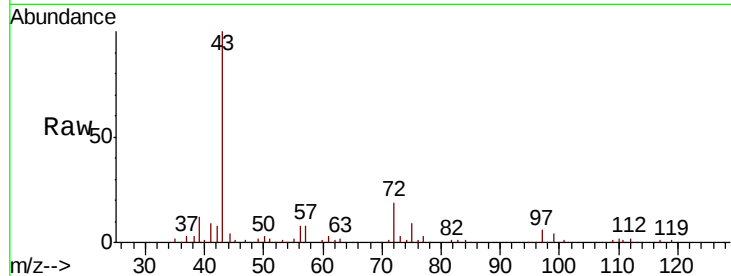
72 19.4 15.6 23.4

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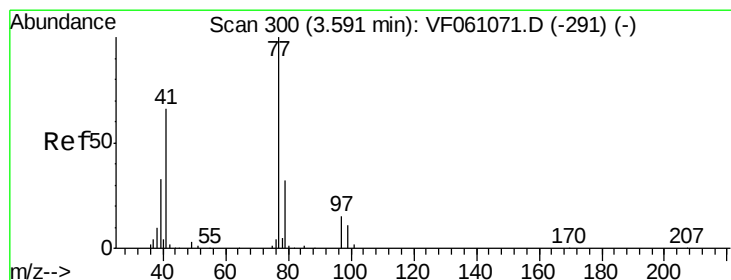
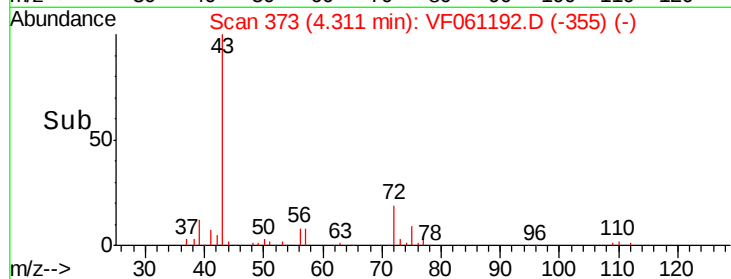
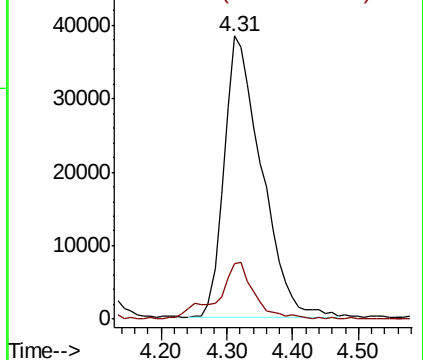
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 50.093 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061192.D

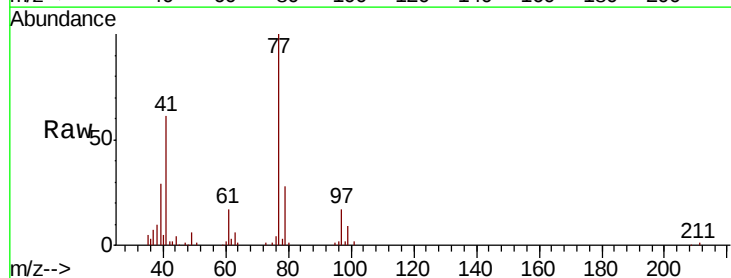
Acq: 26 Dec 2018 17:04

Tgt Ion: 77 Resp: 74815

Ion Ratio Lower Upper

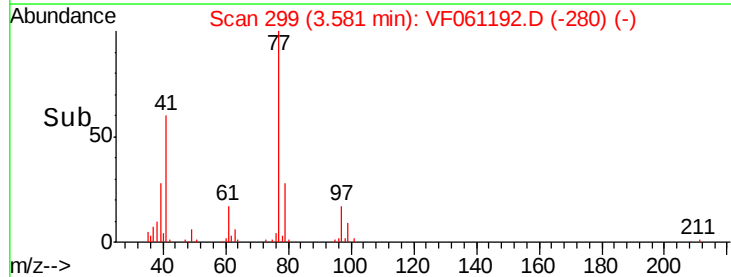
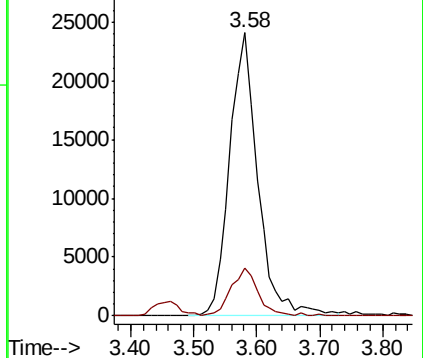
77 100

97 16.8 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

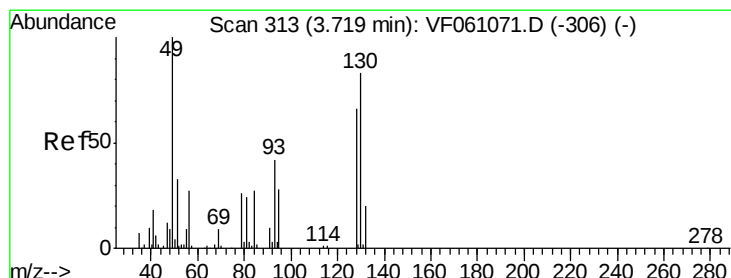
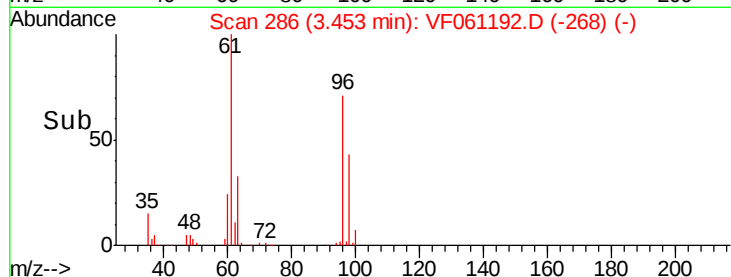
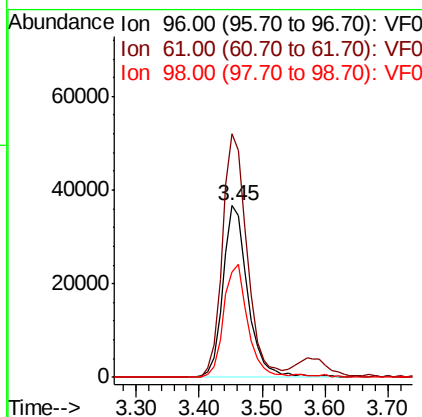
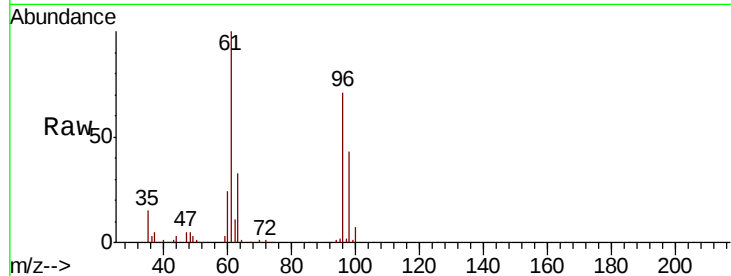
cis-1,2-Dichloroethene
 Concen: 48.406 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.7	0.0	287.8	
98	61.4	0.0	134.2	

Manual Integrations
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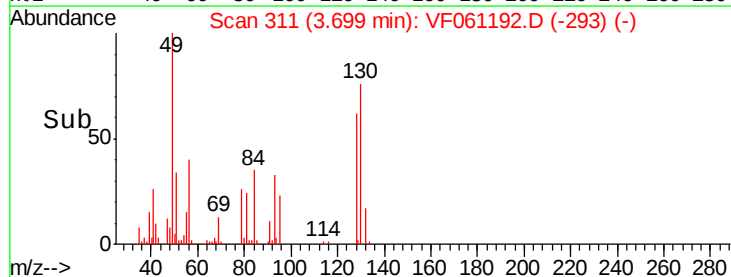
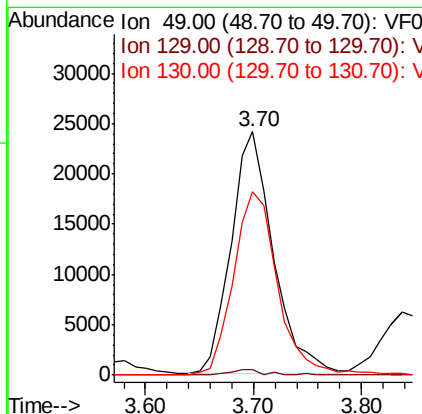
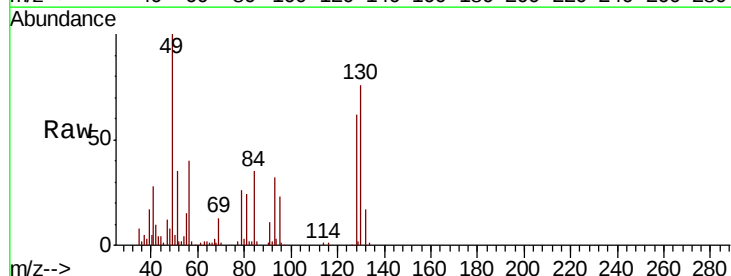
apatel
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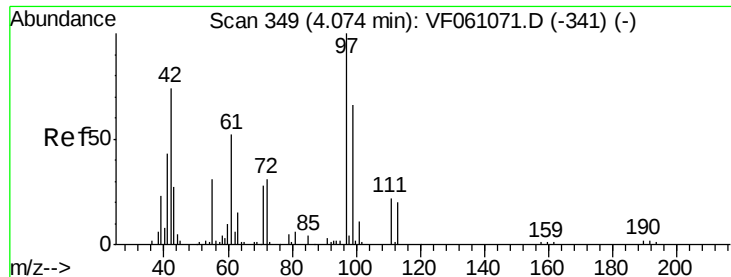


#28

Bromochloromethane
 Concen: 49.410 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	3.6	
130	75.6	65.8	98.6	





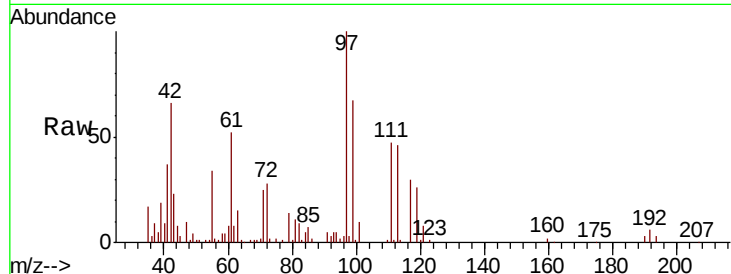
#29
Tetrahydrofuran
Concen: 258.960 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.8	47.8
71	39.4	29.7	44.5

Manual Integrations
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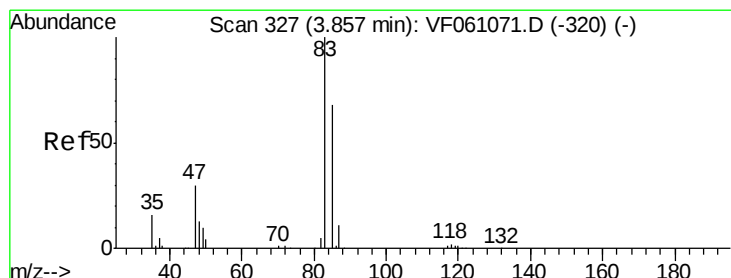
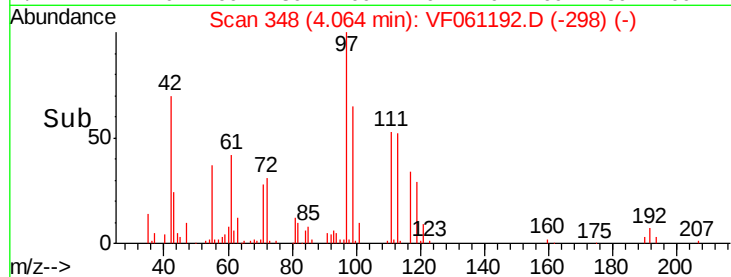
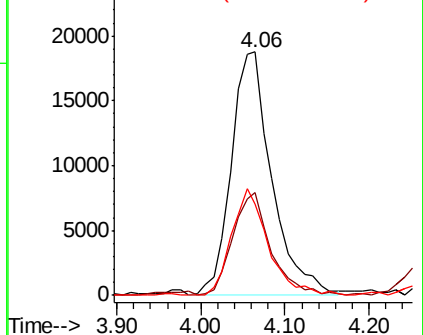


Abundance

Ion 42.00 (41.70 to 42.70): VF0

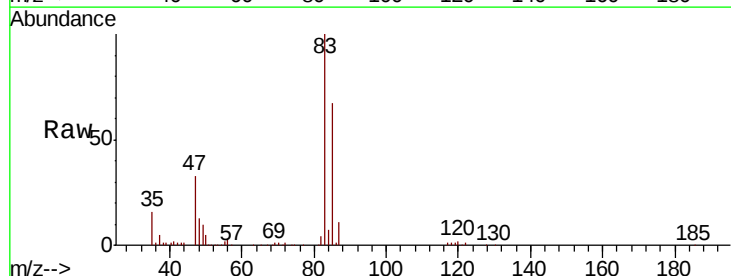
Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30
Chloroform
Concen: 49.528 ug/l
RT: 3.84 min Scan# 325
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

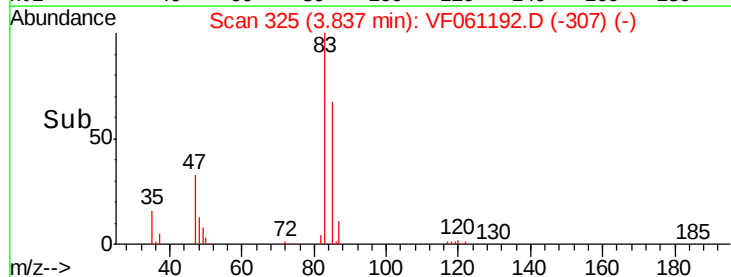
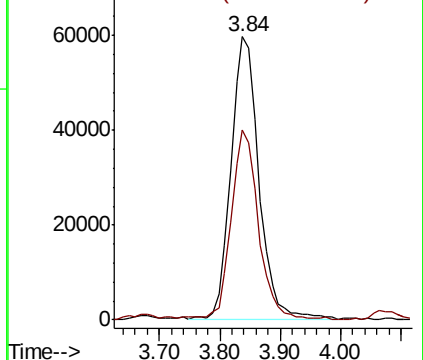
Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	54.5	81.7

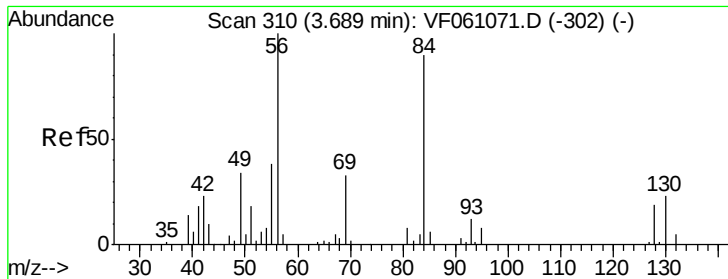


Abundance

Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





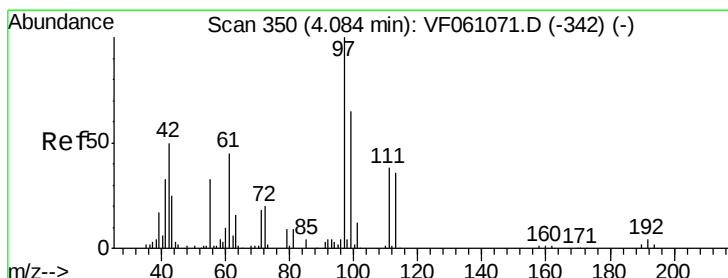
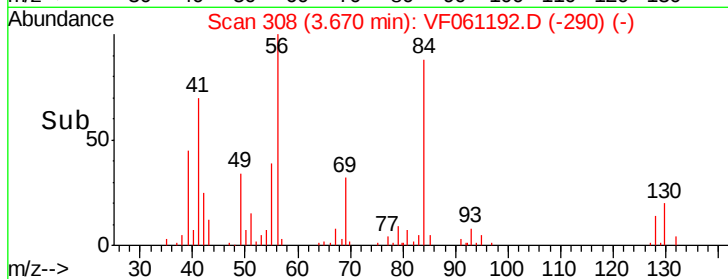
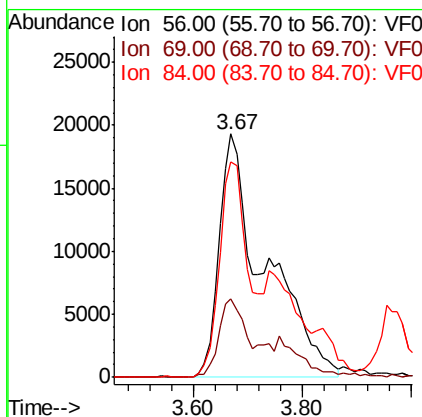
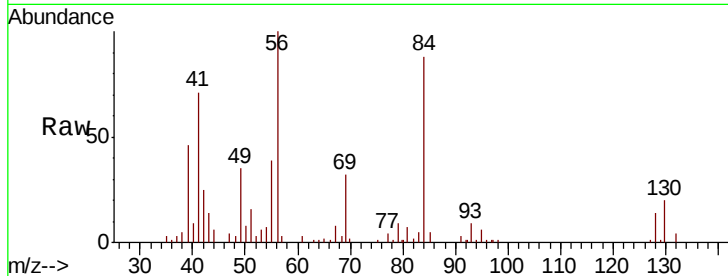
#31
Cyclohexane
Concen: 41.921 ug/l m
RT: 3.67 min Scan# 308
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	26.0	39.0
84	88.4	71.4	107.2

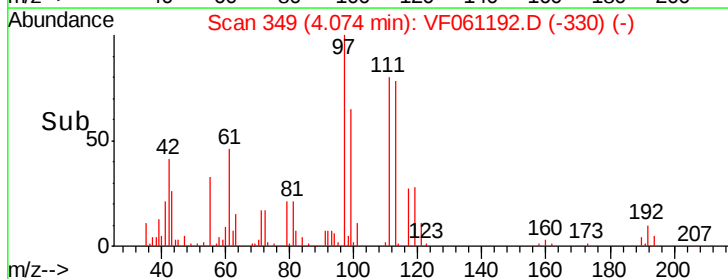
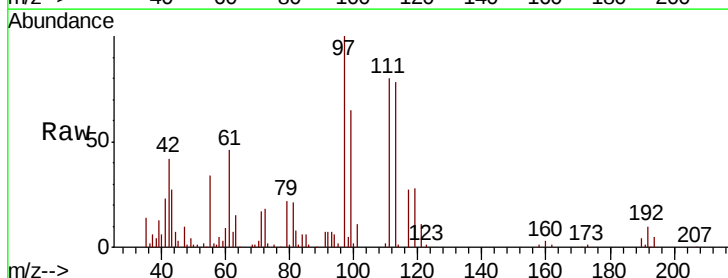
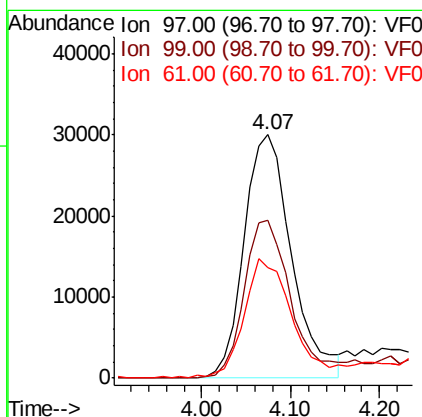
Manual Integrations
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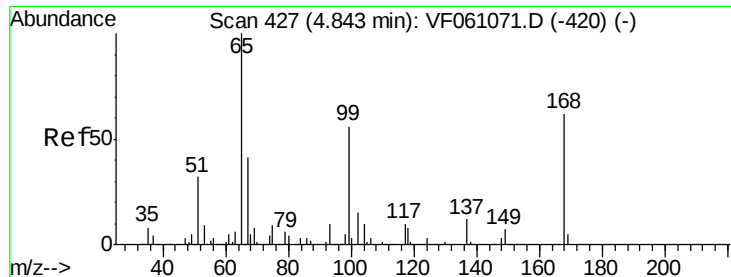
apatel
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#32
1,1,1-Trichloroethane
Concen: 47.510 ug/l
RT: 4.07 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	45.6	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 56.694 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 65 Resp: 104818

Ion Ratio Lower Upper

65 100

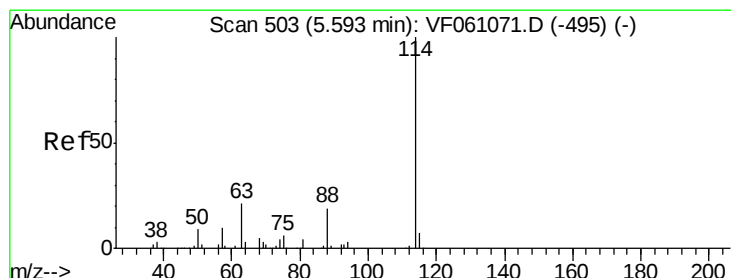
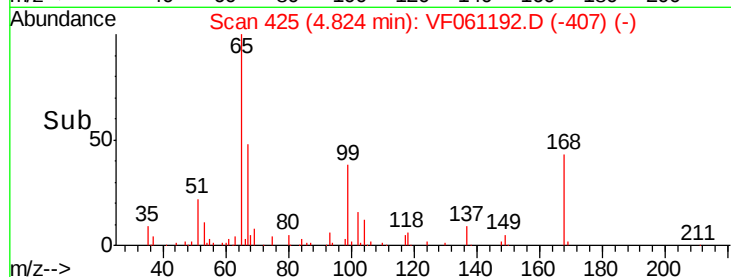
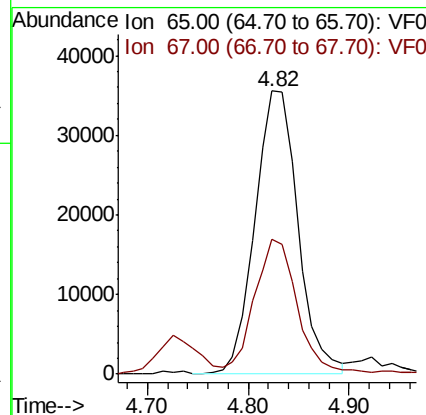
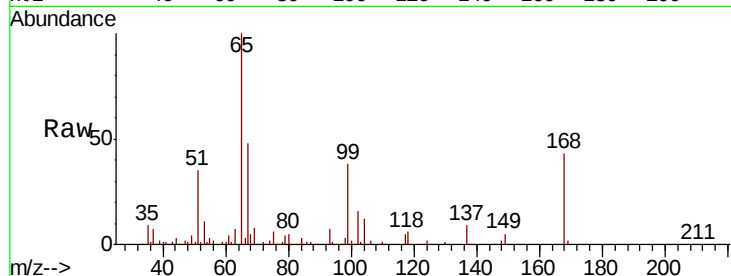
67 47.8 0.0 94.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

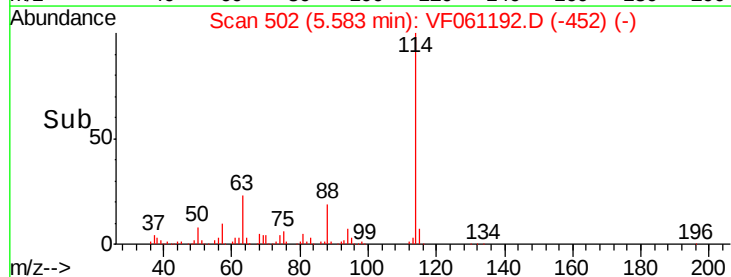
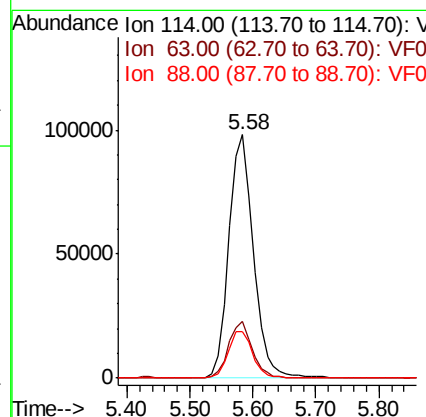
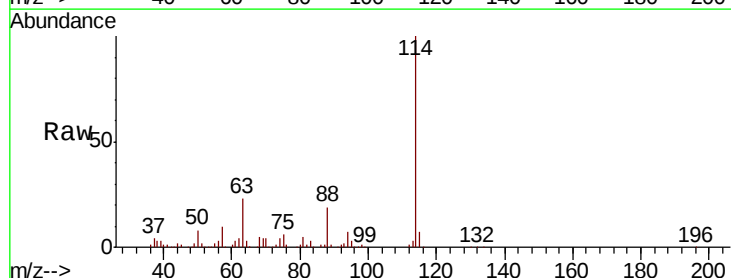
Tgt Ion: 114 Resp: 266085

Ion Ratio Lower Upper

114 100

63 23.3 0.0 41.6

88 19.1 0.0 38.0





#35

Dibromofluoromethane

Concen: 53.523 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

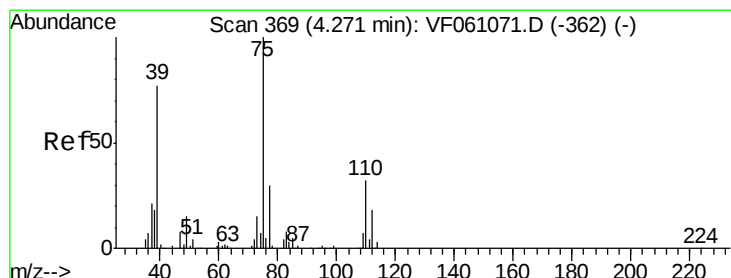
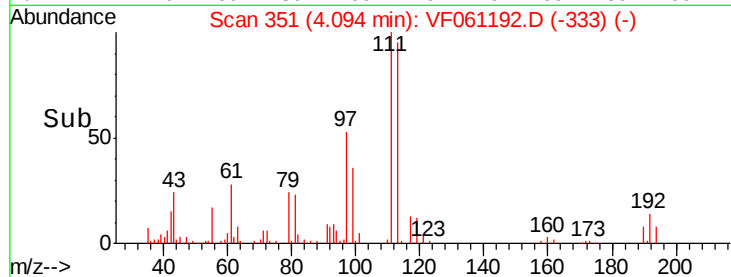
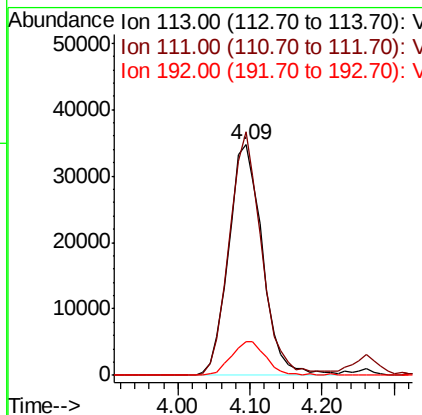
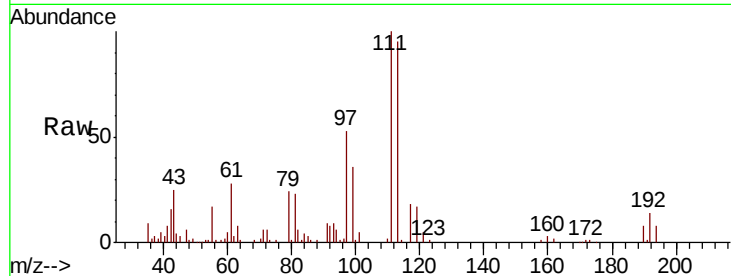
ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:	113	Resp:	114083
Ion Ratio	Lower	Upper	
113	100		
111	105.6	85.2	127.8
192	14.7	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 41.762 ug/l

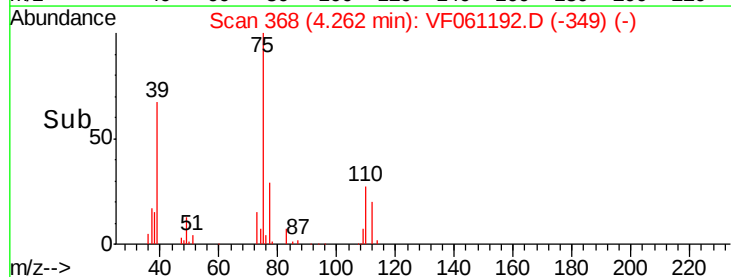
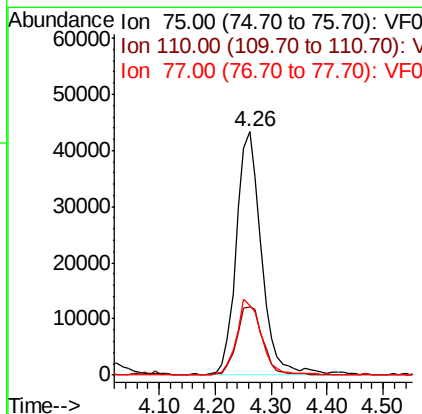
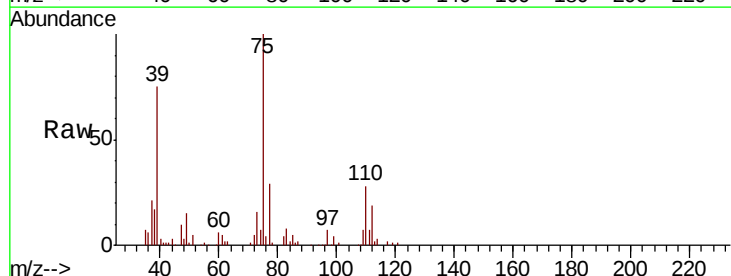
RT: 4.26 min Scan# 368

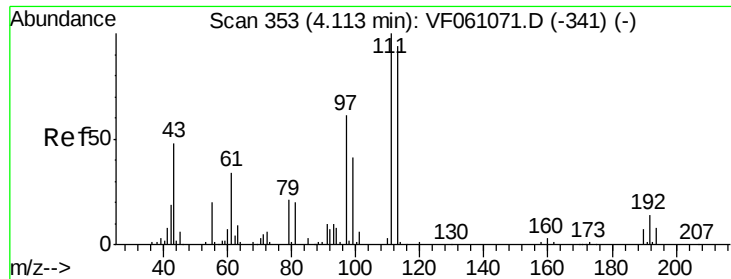
Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion:	75	Resp:	134133
Ion Ratio	Lower	Upper	
75	100		
110	28.2	16.1	48.2
77	28.7	24.5	36.7





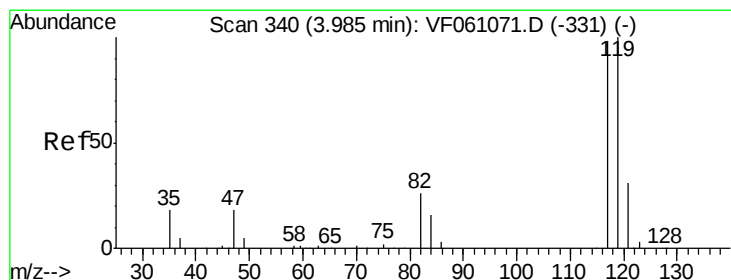
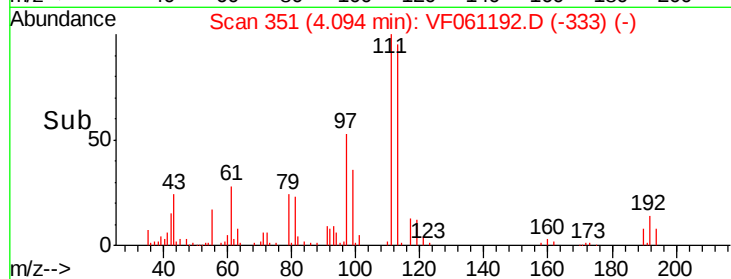
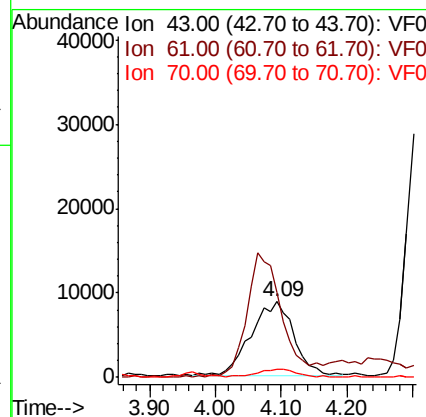
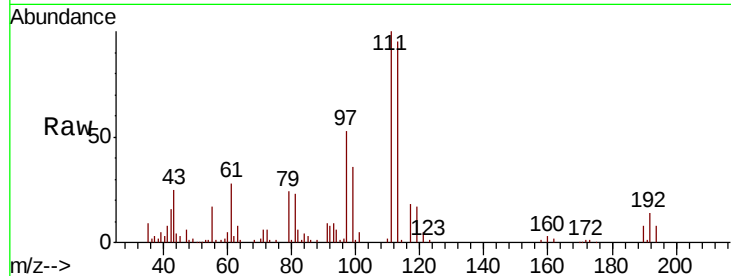
#37
Ethyl Acetate
Concen: 29.512 ug/l
RT: 4.09 min Scan# 351
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	112.3	56.6	84.8#	
70	9.9	6.3	9.5#	

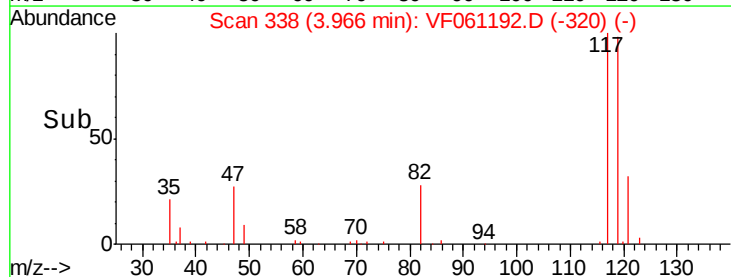
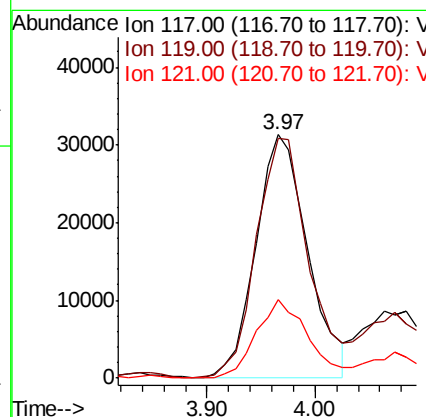
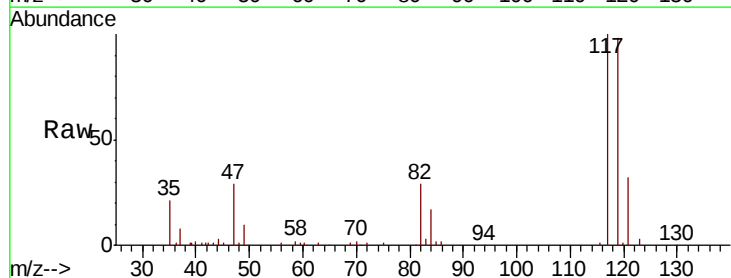
Manual Integrations
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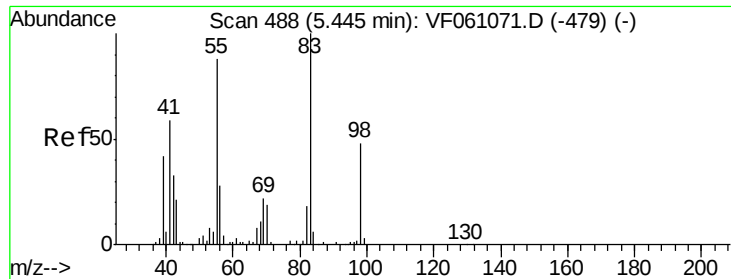
apatel
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#38
Carbon Tetrachloride
Concen: 42.457 ug/l
RT: 3.97 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.3	82.1	123.1	
121	32.0	25.5	38.3	





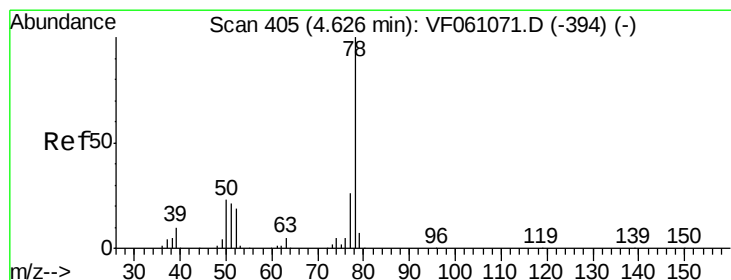
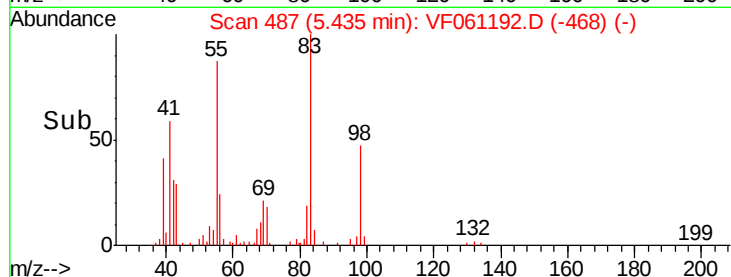
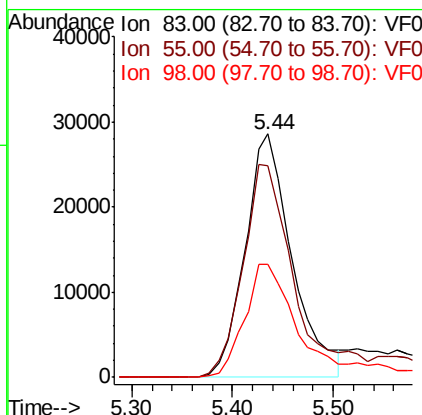
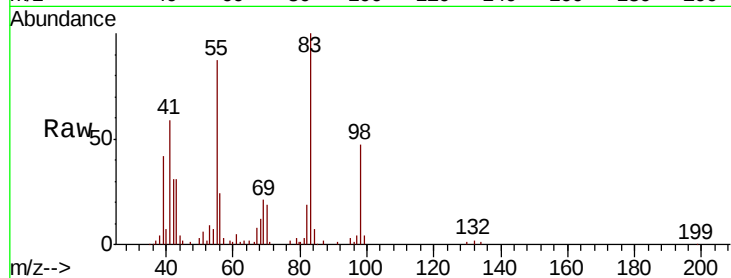
#39
Methvlcvclohexane
Concen: 32.237 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	70.6	105.8
98	46.6	38.5	57.7

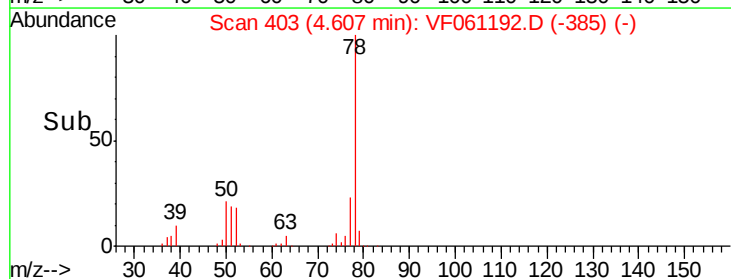
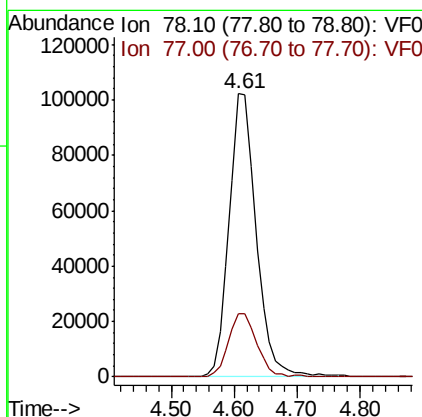
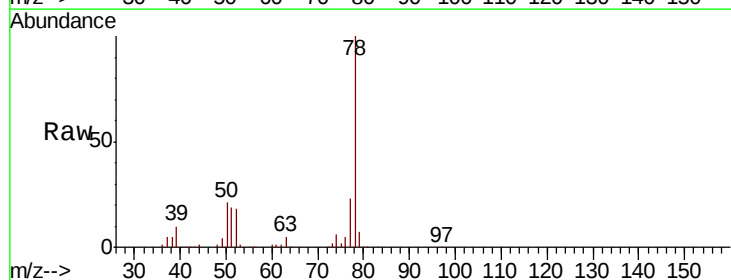
Manual Integrations
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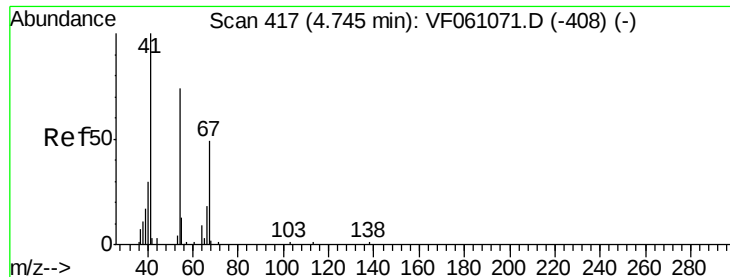
apatel
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#40
Benzene
Concen: 44.155 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	20.7	31.1





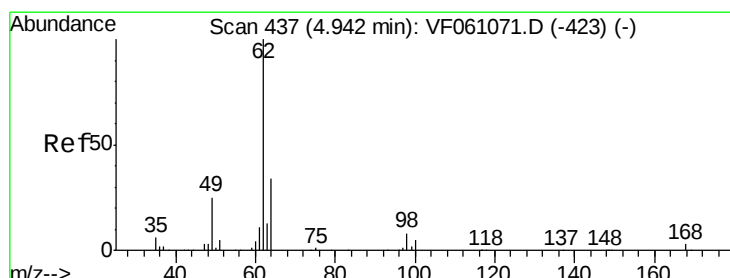
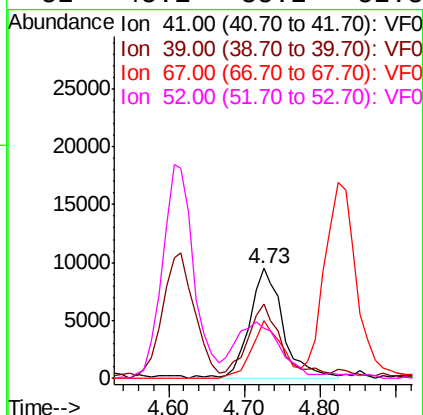
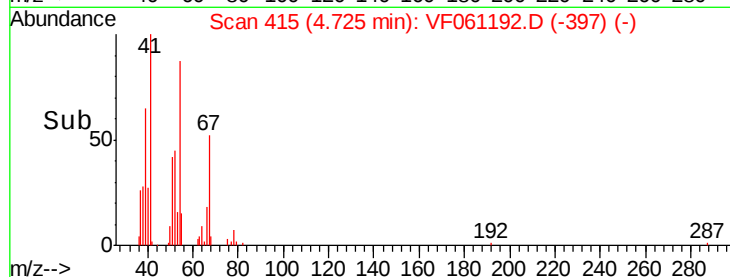
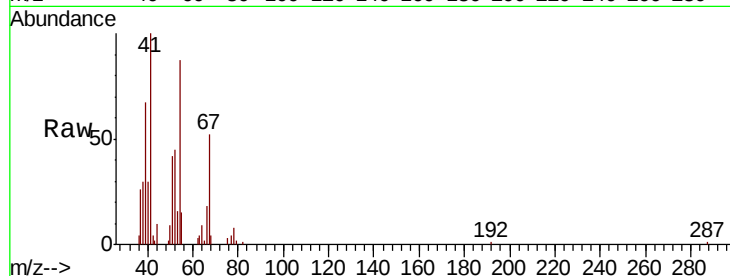
#41
Methacrylonitrile
Concen: 43.265 ug/l
RT: 4.73 min Scan# 415
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion:	41	Resp:	29347
Ion	Ratio	Lower	Upper
41	100		
39	67.2	45.7	68.5
67	52.1	38.9	58.3
52	45.1	35.2	52.8

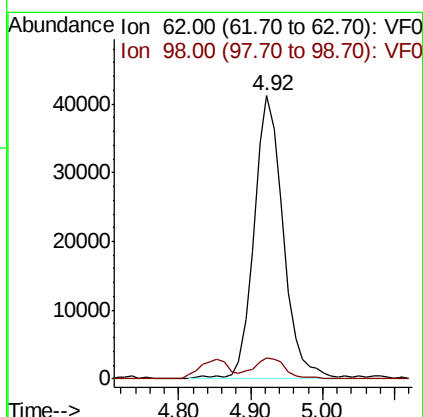
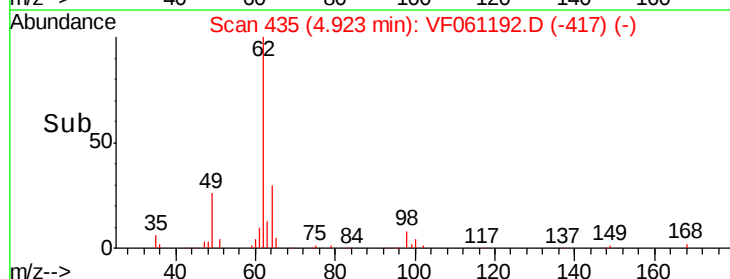
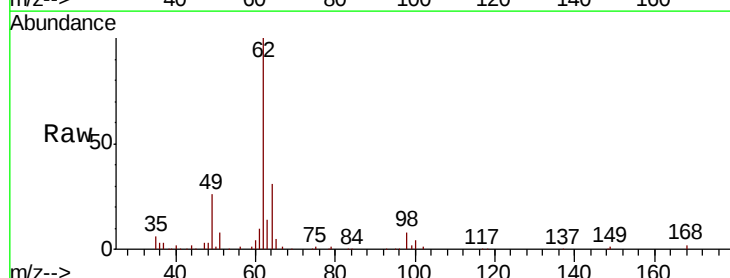
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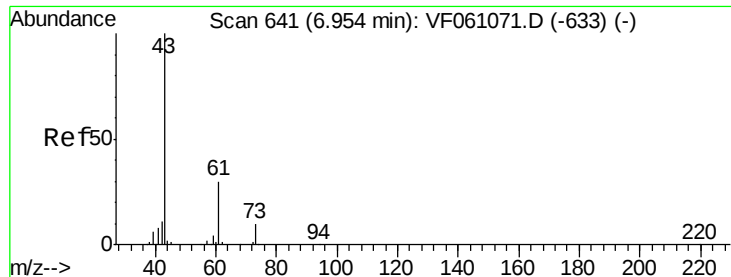
apatel
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#42
1,2-Dichloroethane
Concen: 44.245 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion:	62	Resp:	116094
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	16.6





#43

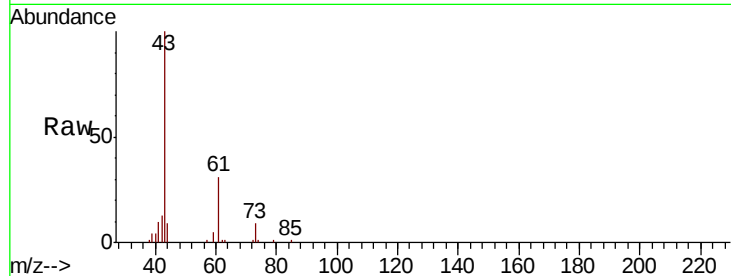
Isopropyl Acetate
 Concen: 25.182 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.0	23.8	35.8
87	0.0	0.0	0.0

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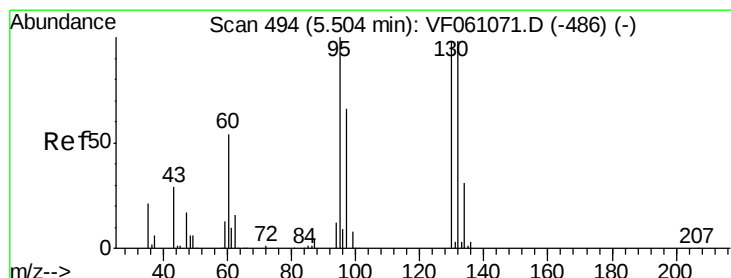
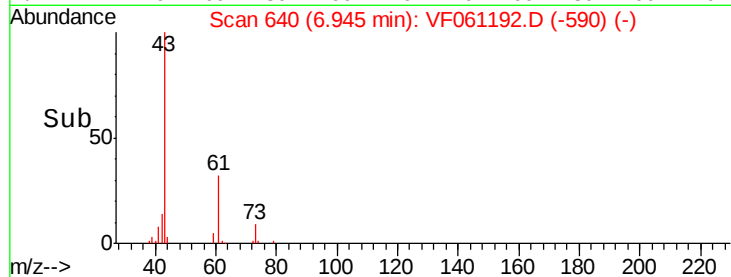
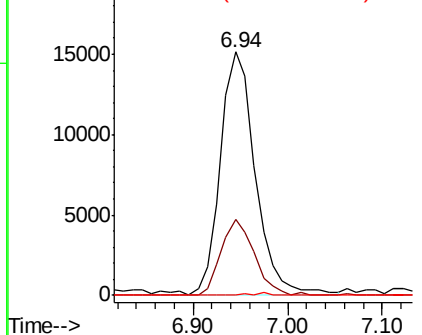


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

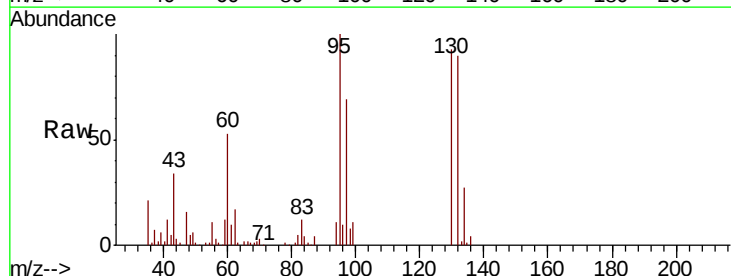
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene
 Concen: 42.330 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

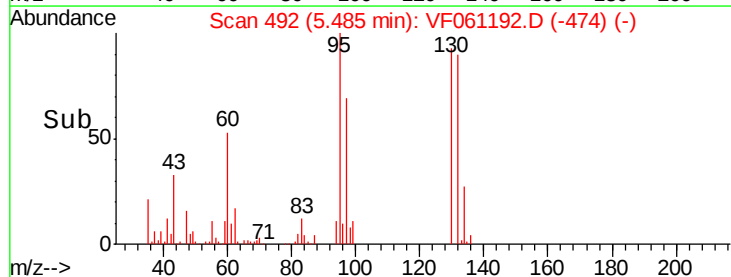
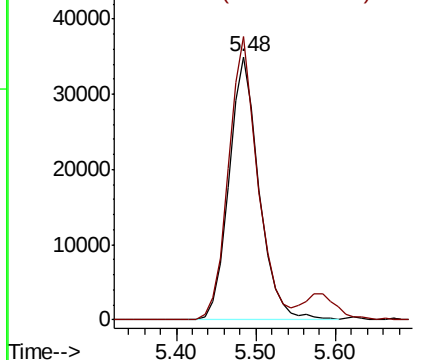
Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	205.2



Abundance

Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 42.597 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 63 Resp: 80048

Ion Ratio Lower Upper

63 100

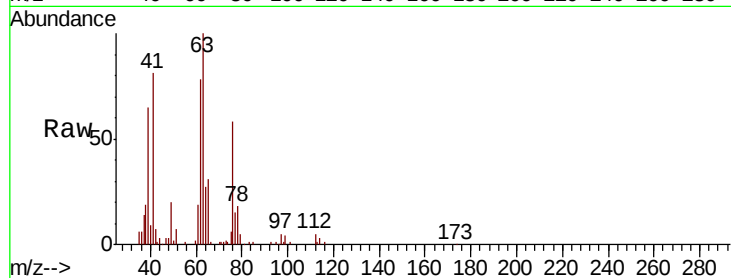
65 31.5 24.4 36.6

Manual Integrations

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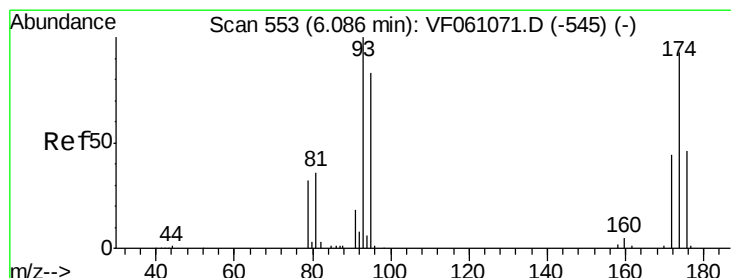
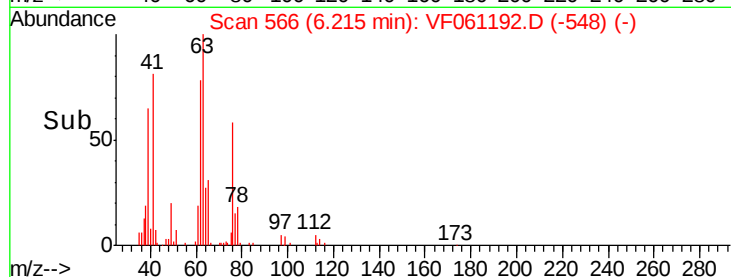
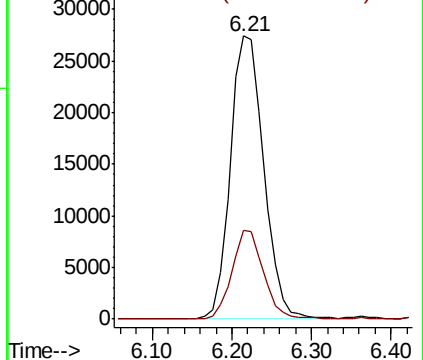
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 44.465 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

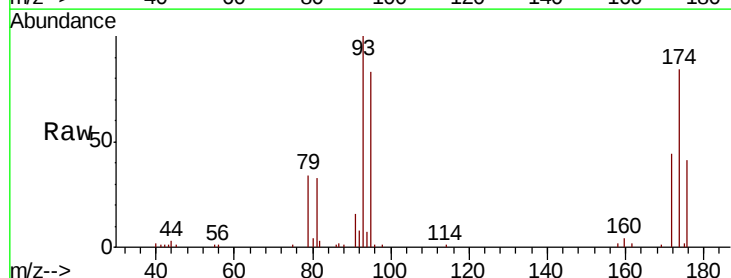
Tgt Ion: 93 Resp: 54195

Ion Ratio Lower Upper

93 100

95 83.0 66.9 100.3

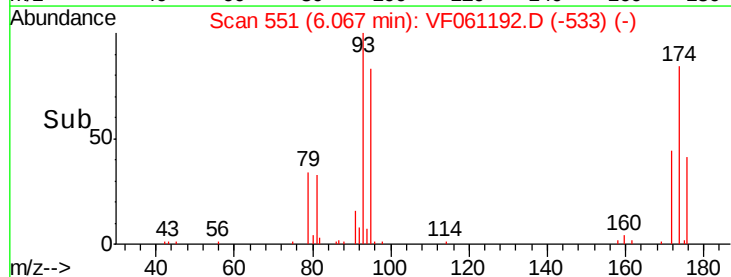
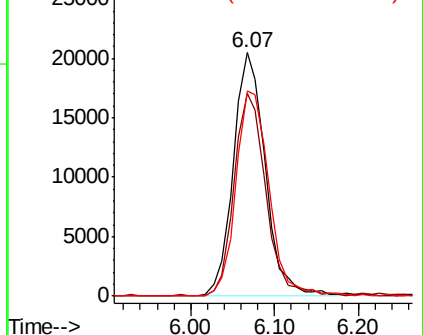
174 84.5 74.1 111.1

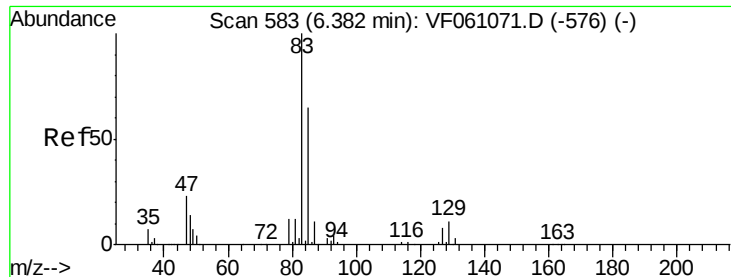


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 44.451 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

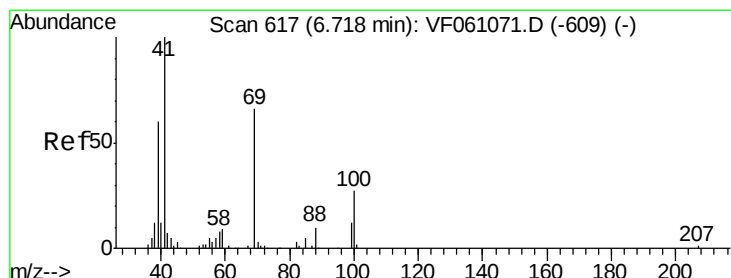
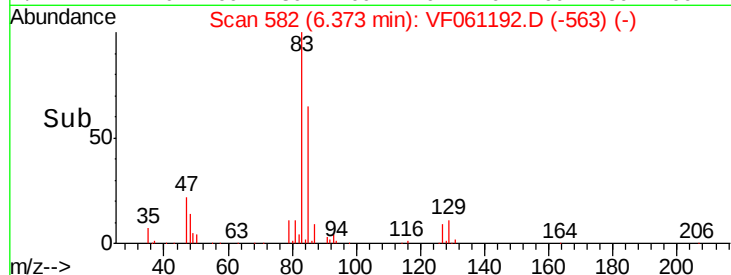
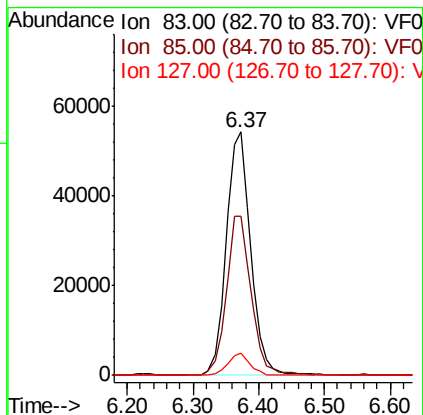
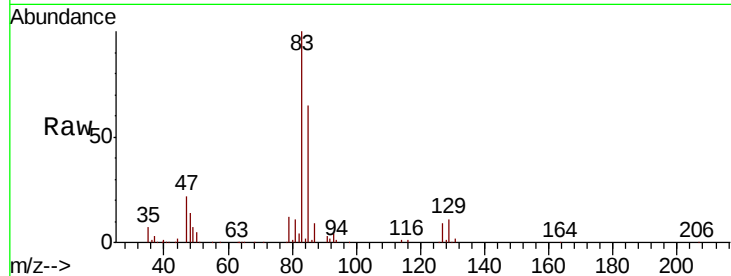
ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:	83	Resp:	140768
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.2	78.4
127	9.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 47.606 ug/l

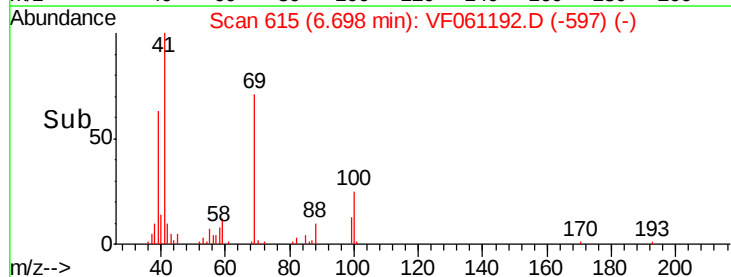
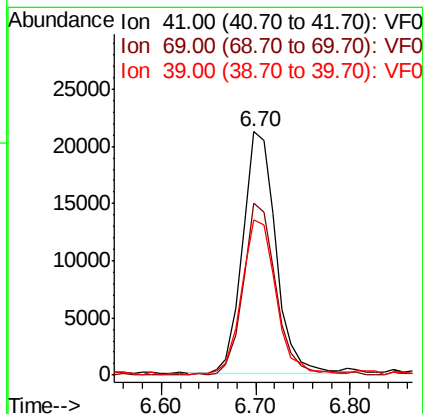
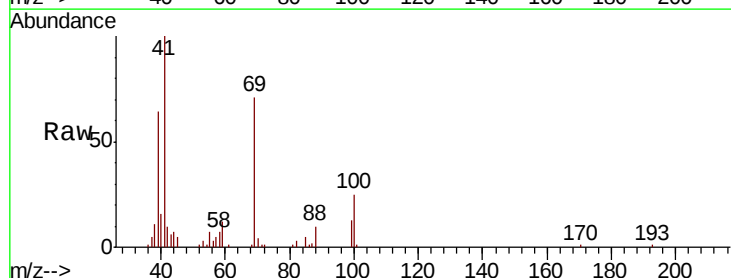
RT: 6.70 min Scan# 615

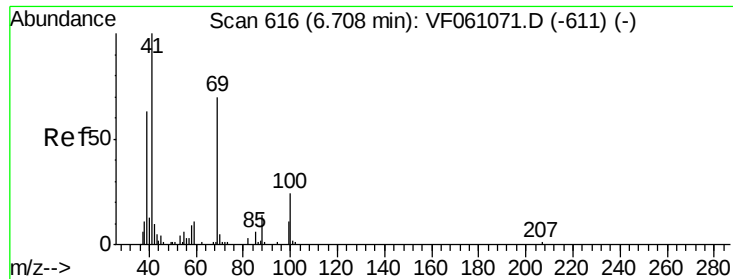
Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion:	41	Resp:	51540
Ion Ratio	Lower	Upper	
41	100		
69	70.6	52.7	79.1
39	63.6	47.8	71.6





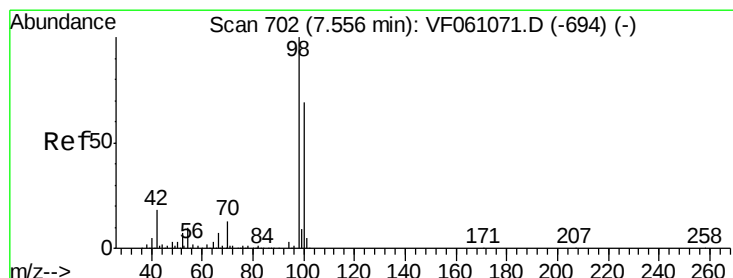
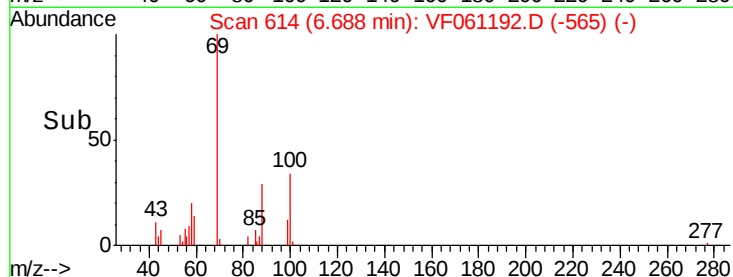
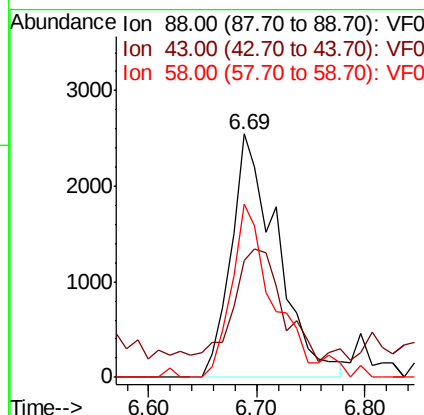
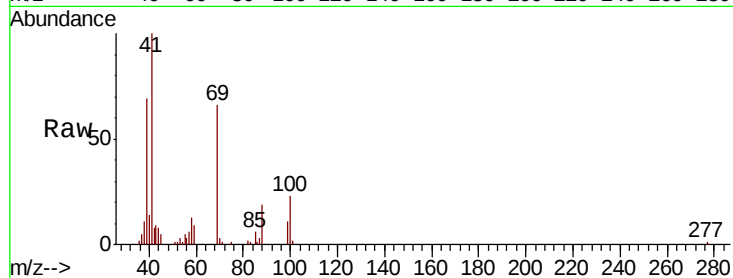
#49
1,4-Dioxane
Concen: 970.001 ug/l
RT: 6.69 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	48.2	33.3	49.9
58	70.9	53.2	79.8

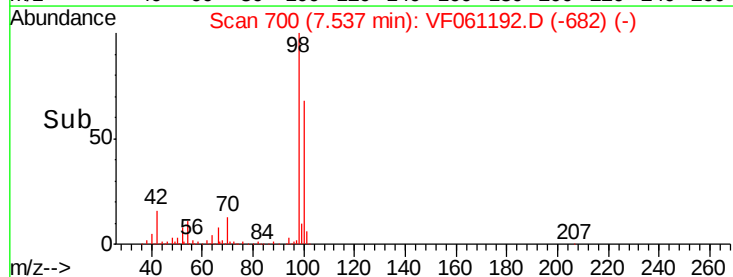
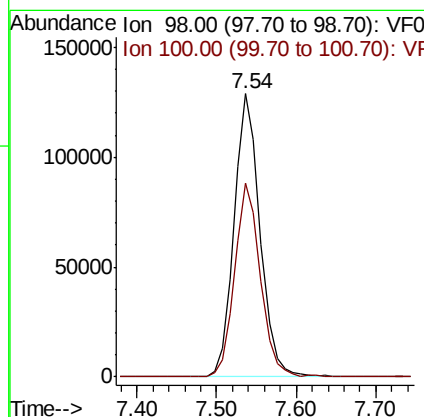
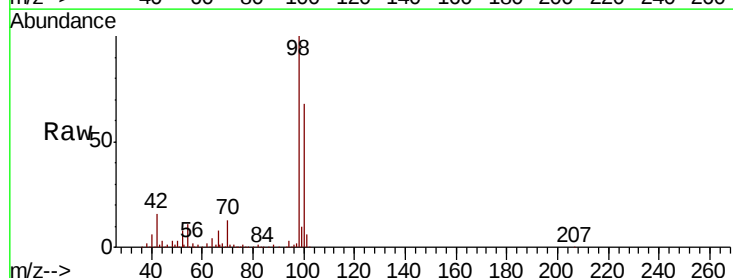
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#50
Toluene-d8
Concen: 48.521 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 244.545 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 43 Resp: 260097

Ion Ratio Lower Upper

43 100

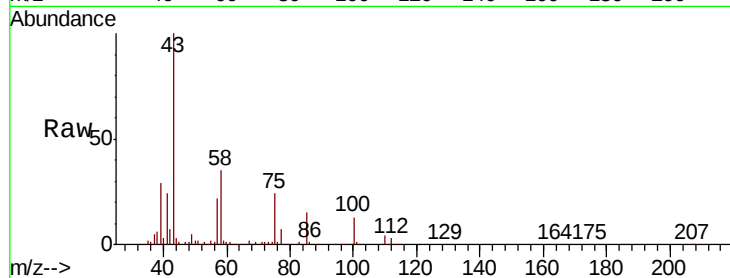
58 35.0 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

120000

100000

80000

60000

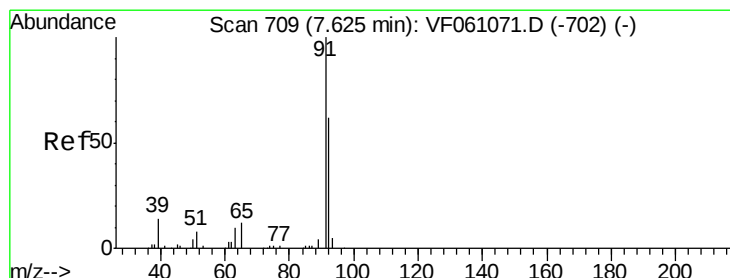
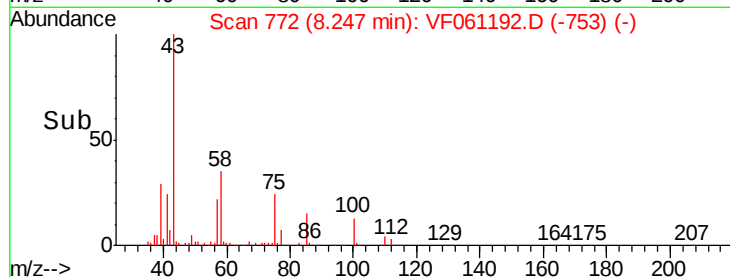
40000

20000

0

8.10 8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 39.404 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061192.D

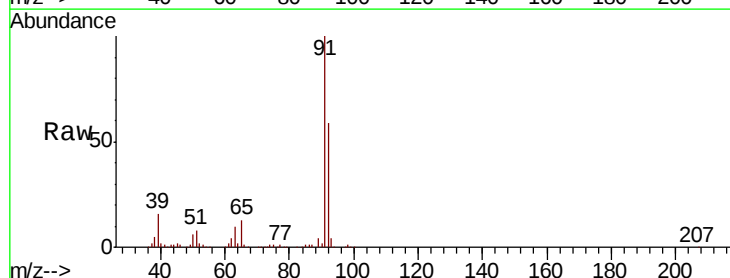
Acq: 26 Dec 2018 17:04

Tgt Ion: 92 Resp: 180160

Ion Ratio Lower Upper

92 100

91 169.1 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

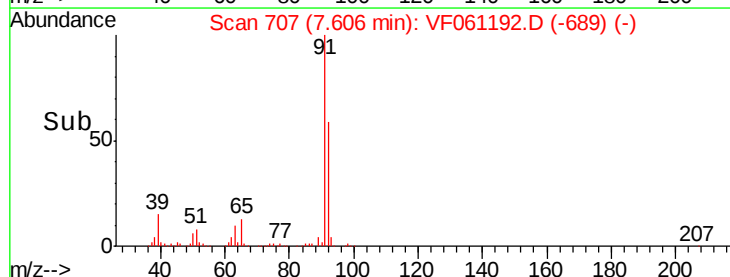
100000

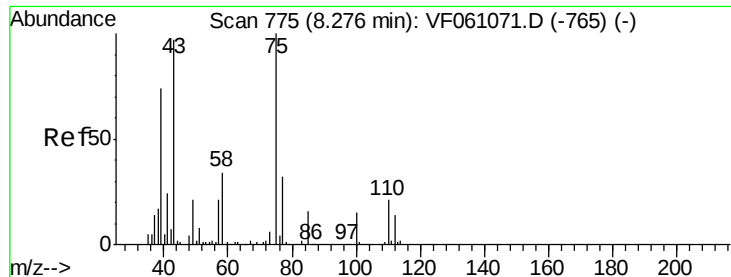
50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.153 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 75 Resp: 110243

Ion Ratio Lower Upper

75 100

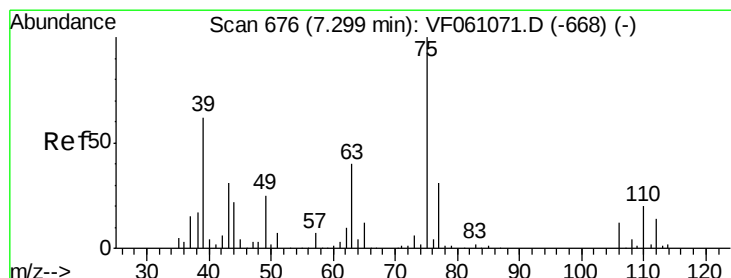
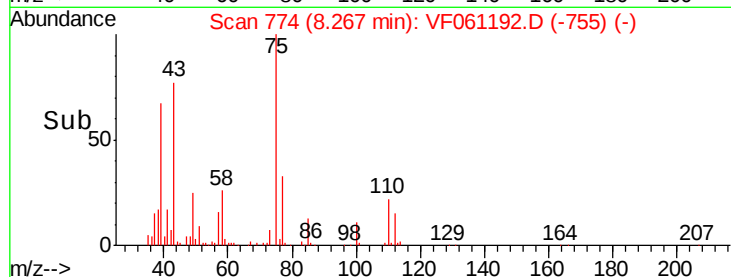
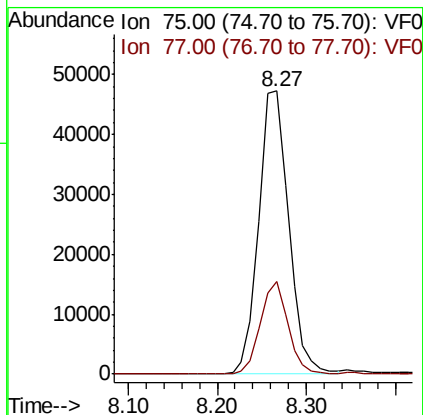
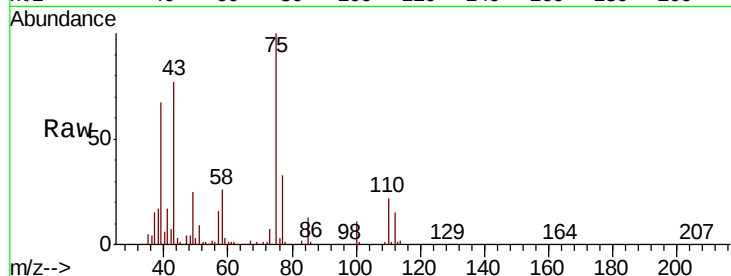
77 32.5 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 44.166 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

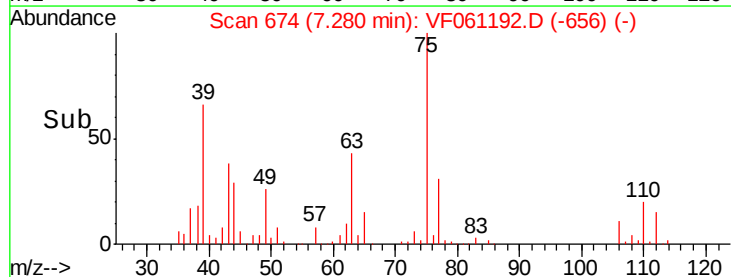
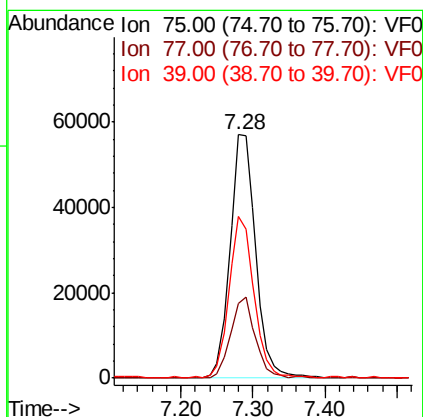
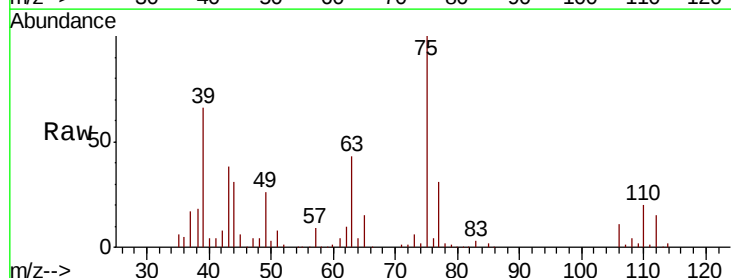
Tgt Ion: 75 Resp: 141609

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.4

39 66.5 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 44.705 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

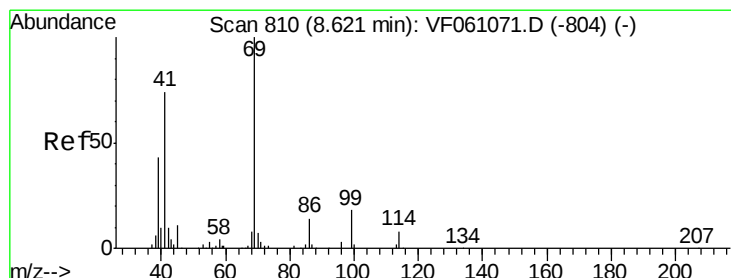
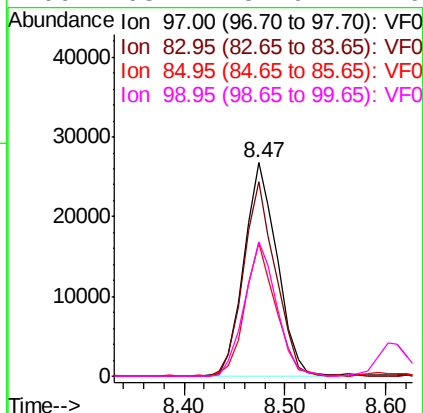
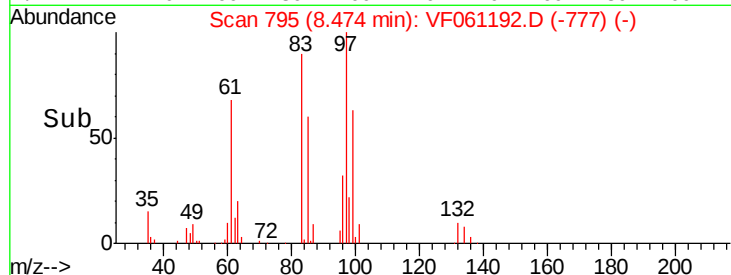
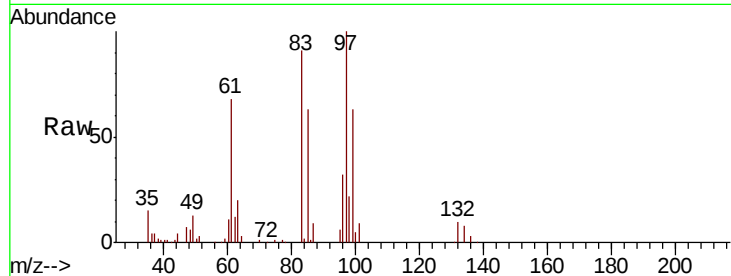
ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:	97	Resp:	61275
Ion	Ratio	Lower	Upper
97	100		
83	91.3	75.0	112.4
85	62.5	47.5	71.3
99	63.1	51.9	77.9

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#56

Ethyl methacrylate

Concen: 30.974 ug/l

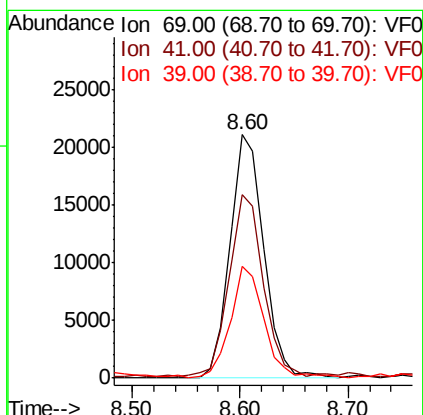
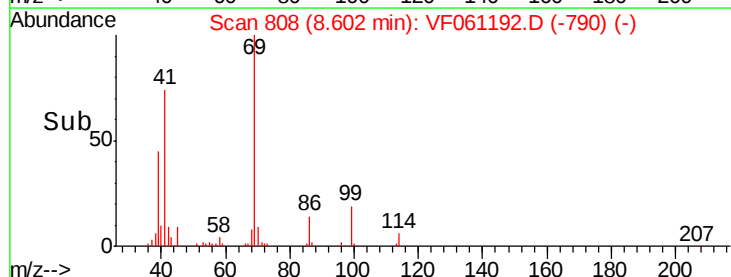
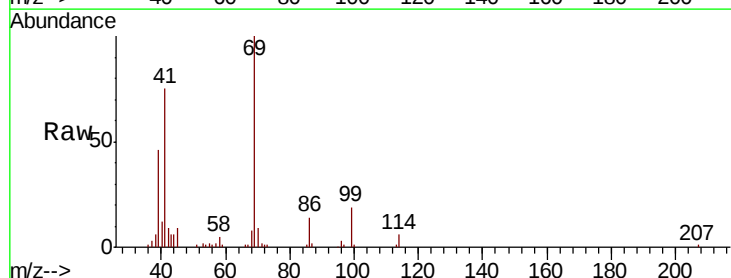
RT: 8.60 min Scan# 808

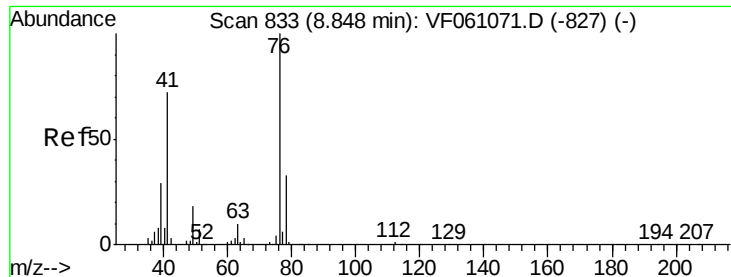
Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion:	69	Resp:	45939
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.7	89.5
39	46.0	35.0	52.6





#57

1,3-Dichloropropane

Concen: 43.729 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 76 Resp: 108404

Ion Ratio Lower Upper

76 100

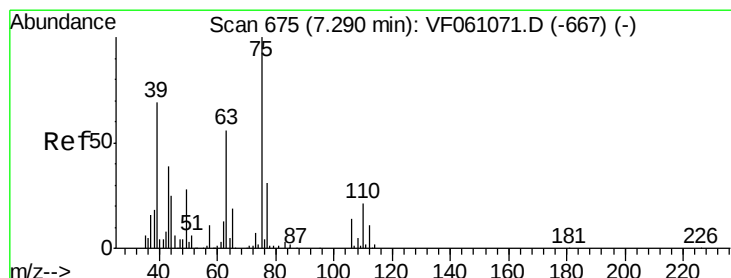
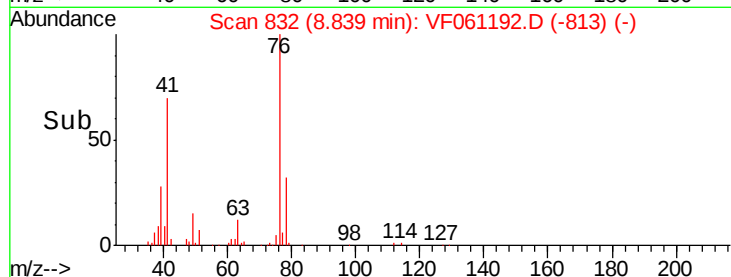
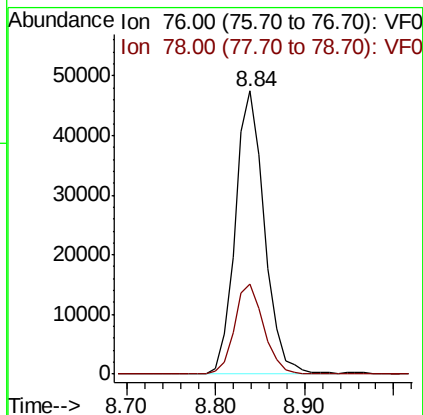
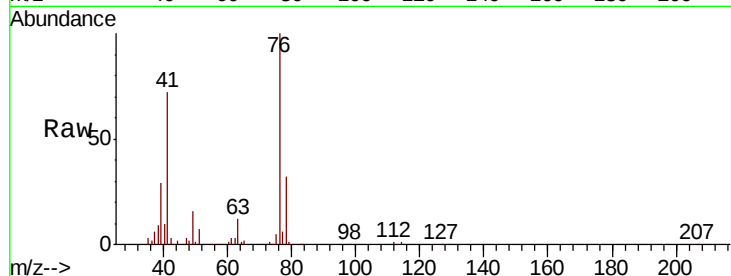
78 31.6 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 202.384 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061192.D

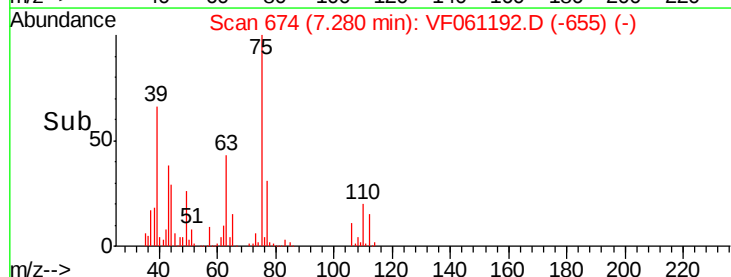
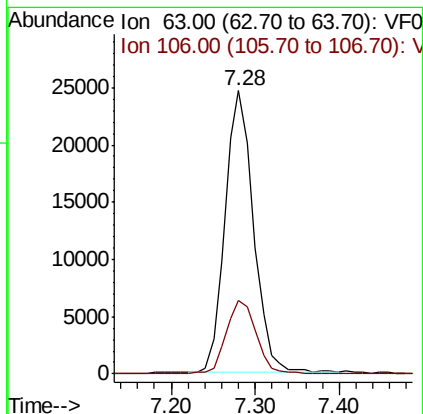
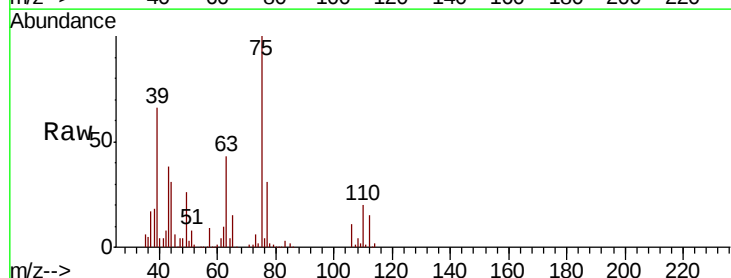
Acq: 26 Dec 2018 17:04

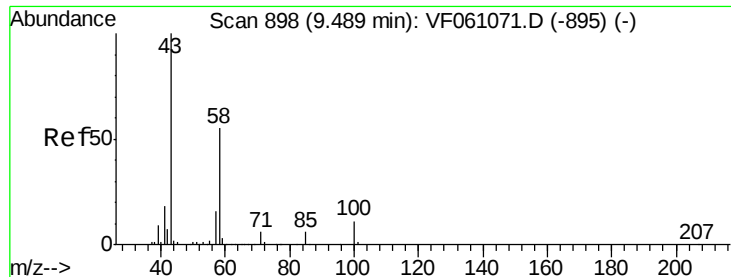
Tgt Ion: 63 Resp: 57649

Ion Ratio Lower Upper

63 100

106 25.9 19.8 29.8





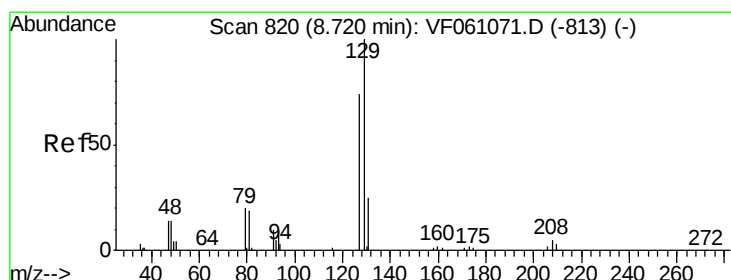
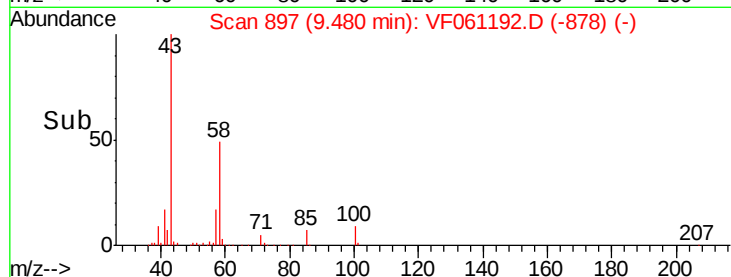
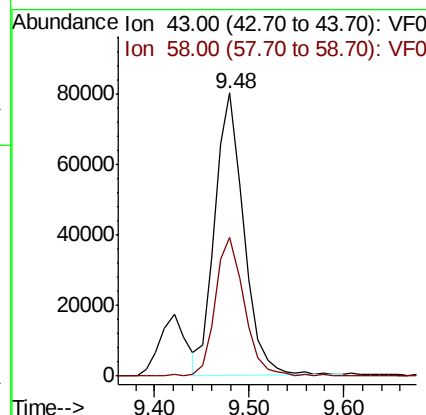
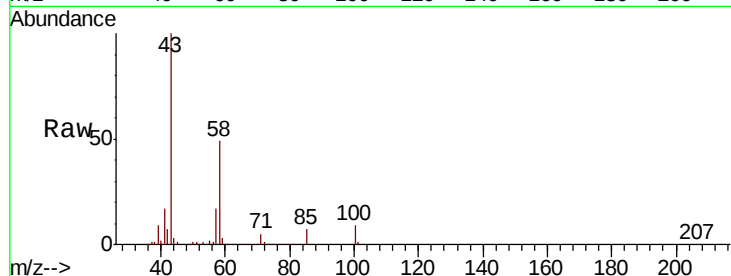
#59
2-Hexanone
Concen: 220.917 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion: 43 Resp: 169922
Ion Ratio Lower Upper
43 100
58 49.0 25.1 75.2

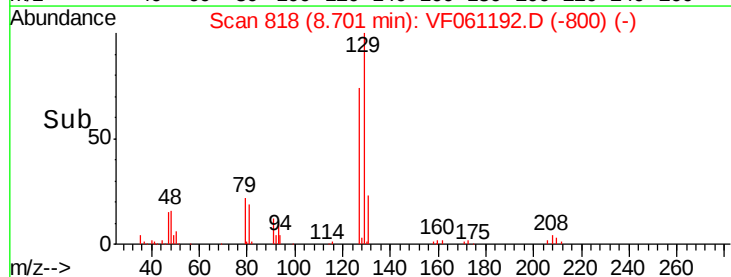
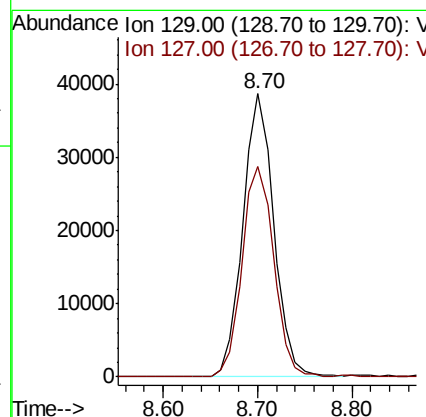
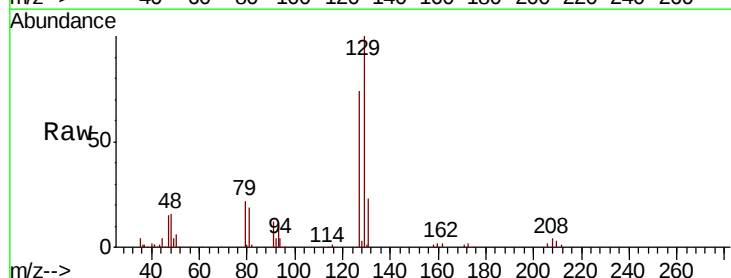
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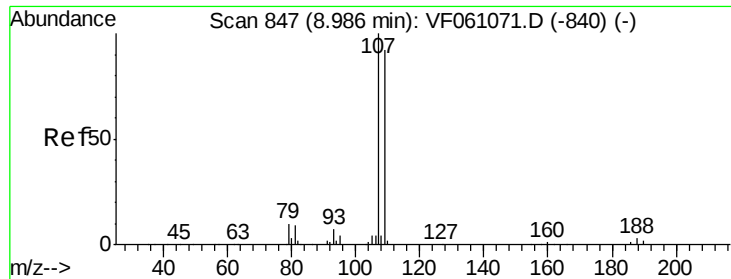
apatel
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#60
Dibromochloromethane
Concen: 44.685 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion: 129 Resp: 87797
Ion Ratio Lower Upper
129 100
127 74.1 36.8 110.3





#61

1,2-Dibromoethane

Concen: 44.962 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 107 Resp: 65817

Ion Ratio Lower Upper

107 100

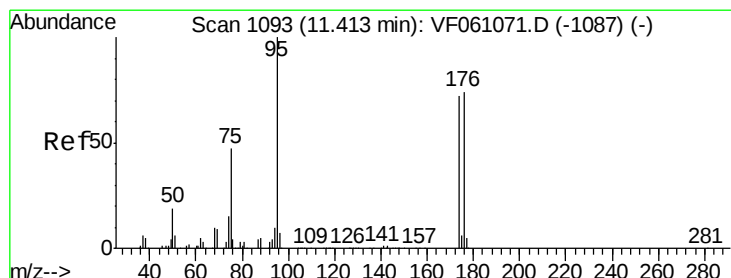
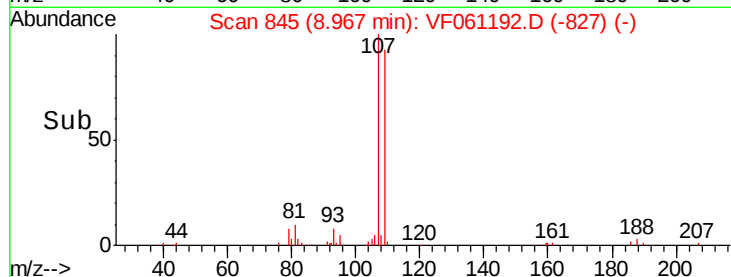
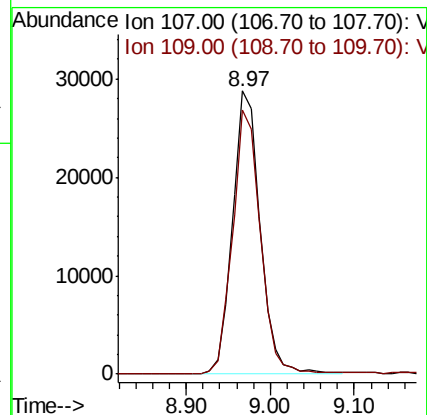
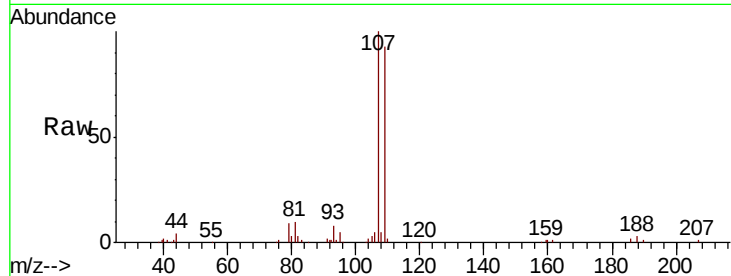
109 93.3 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 43.911 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

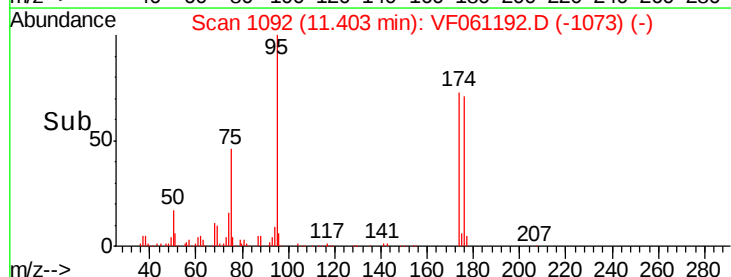
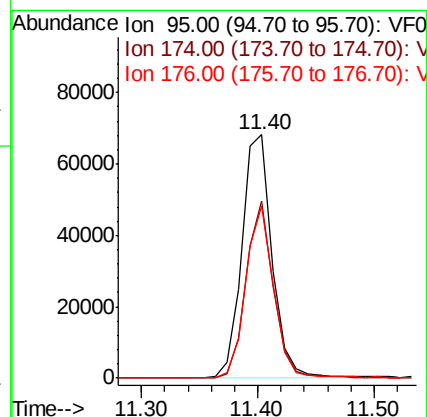
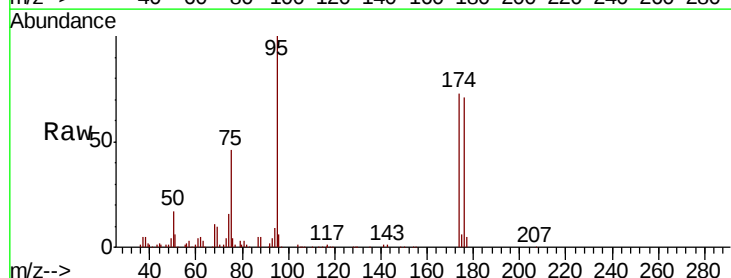
Tgt Ion: 95 Resp: 122279

Ion Ratio Lower Upper

95 100

174 72.6 0.0 143.8

176 70.5 0.0 147.6





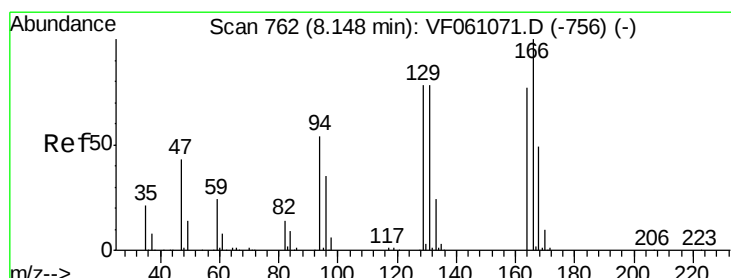
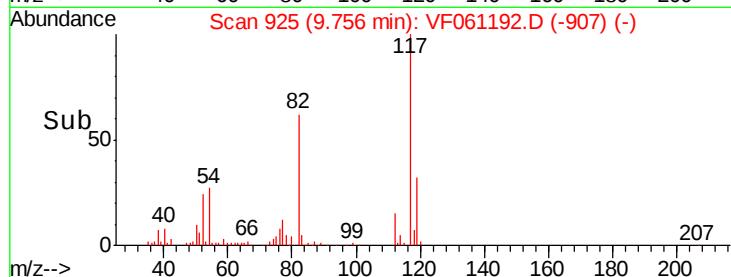
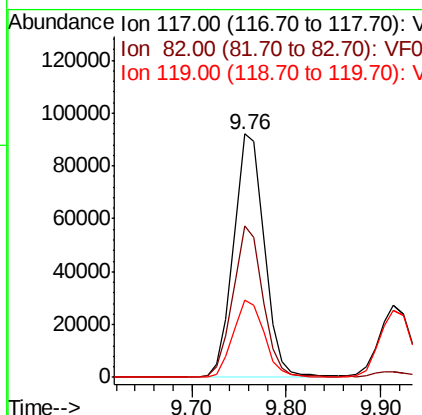
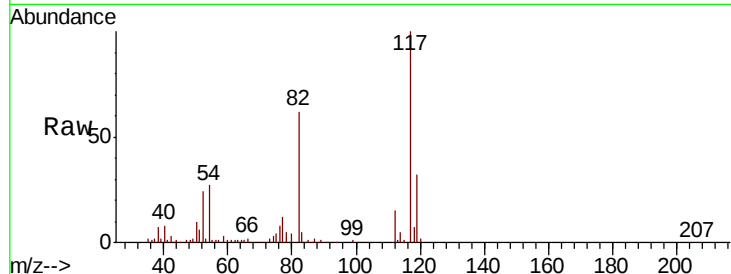
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208158		
82	62.4	45.0	67.4	
119	32.0	24.8	37.2	

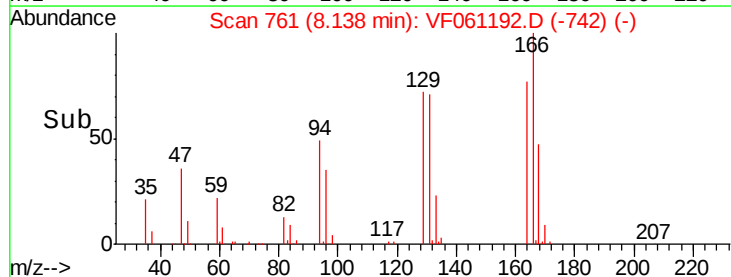
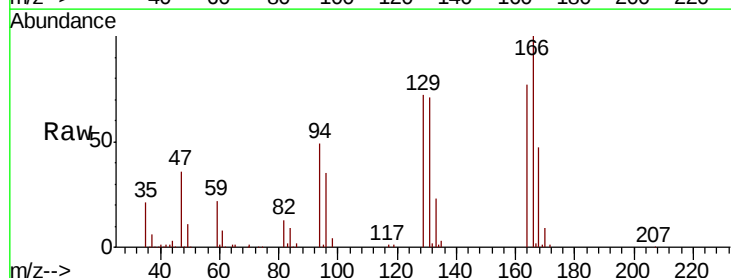
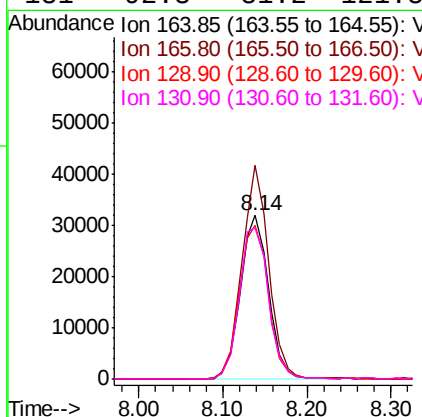
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#64
Tetrachloroethene
Concen: 46.473 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	74415		
166	130.5	104.0	156.0	
129	93.6	81.1	121.7	
131	92.3	81.2	121.8	





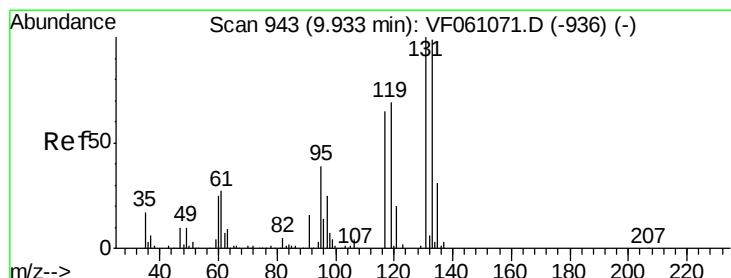
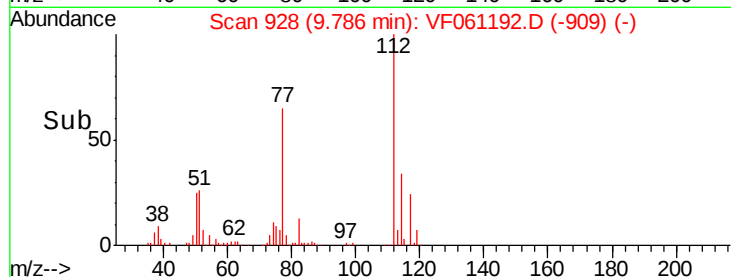
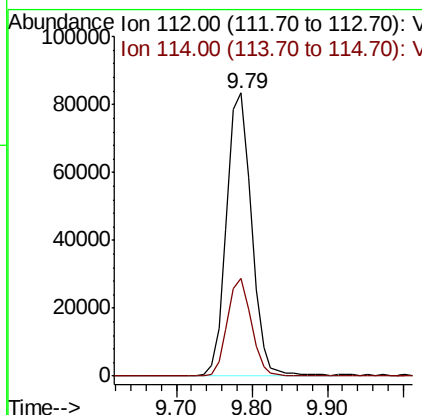
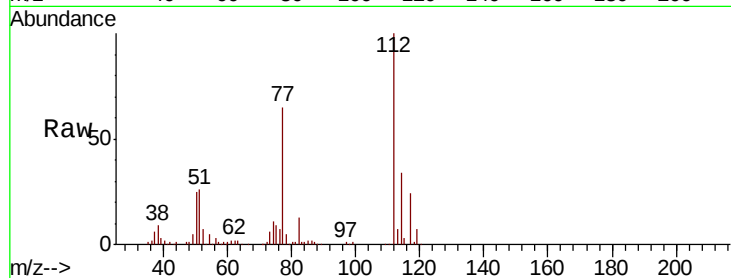
#65
Chlorobenzene
Concen: 44.700 ug/l
RT: 9.79 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.3	27.8	41.6

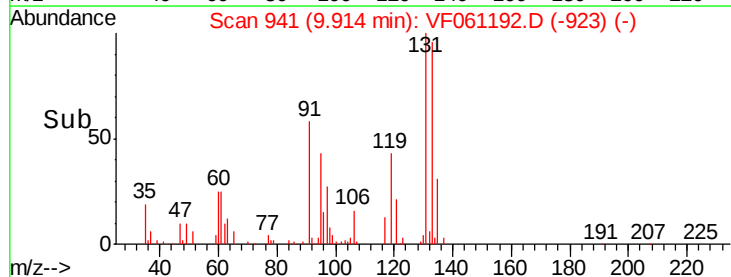
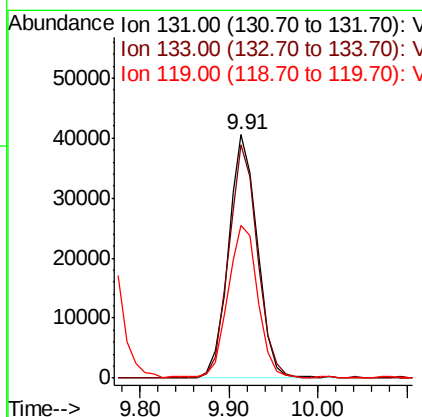
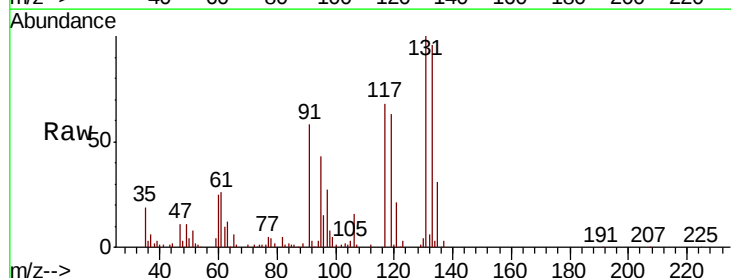
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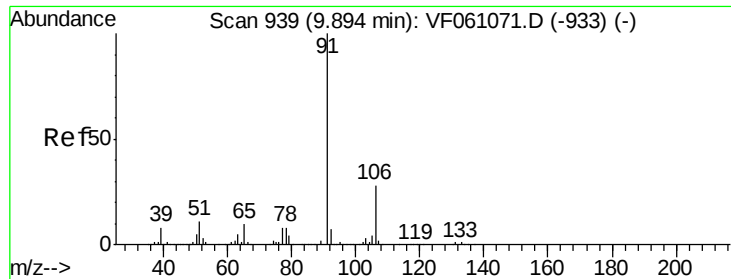
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.357 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	49.5	148.7
119	62.7	34.5	103.5





#67

Ethyl Benzene

Concen: 48.444 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 91 Resp: 379525

Ion Ratio Lower Upper

91 100

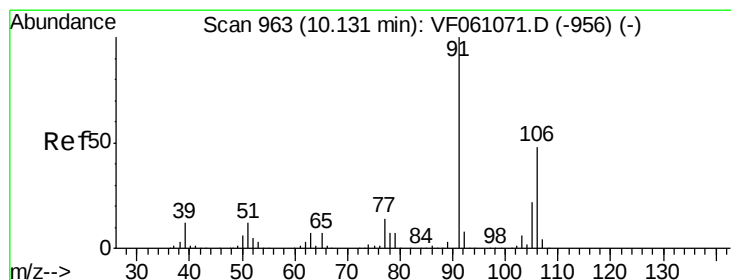
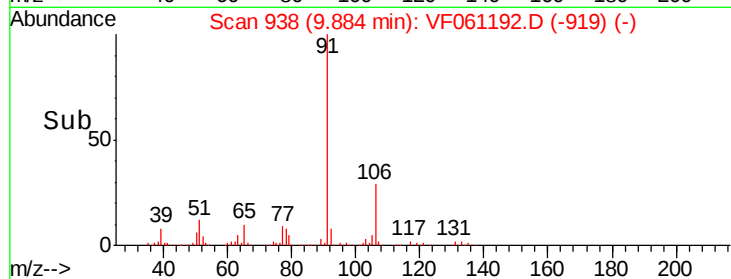
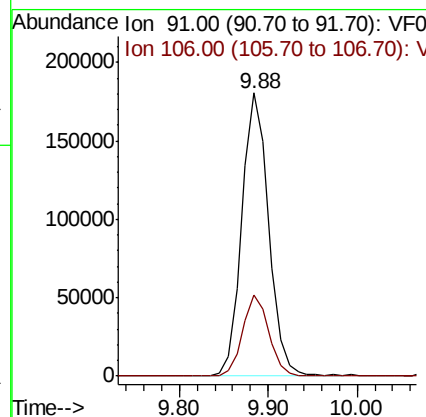
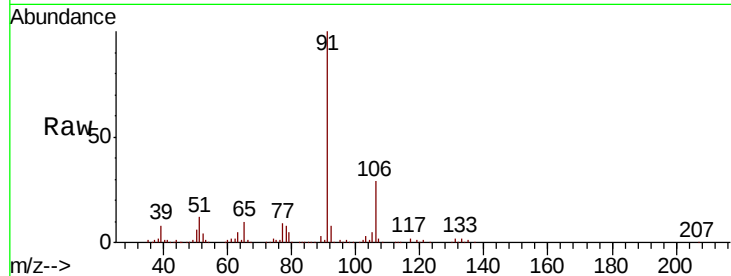
106 28.7 22.5 33.7

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#68

m/p-Xylenes

Concen: 89.170 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF061192.D

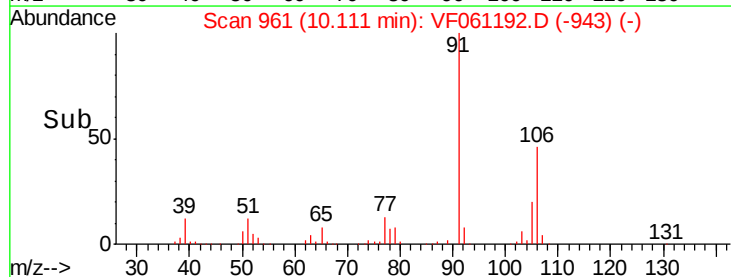
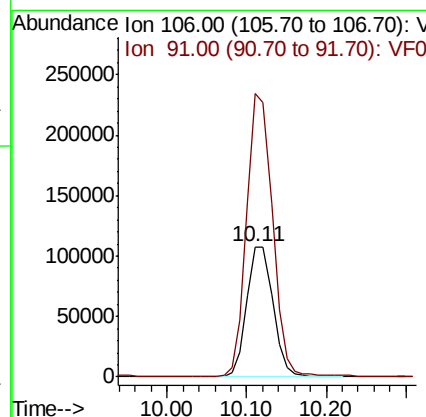
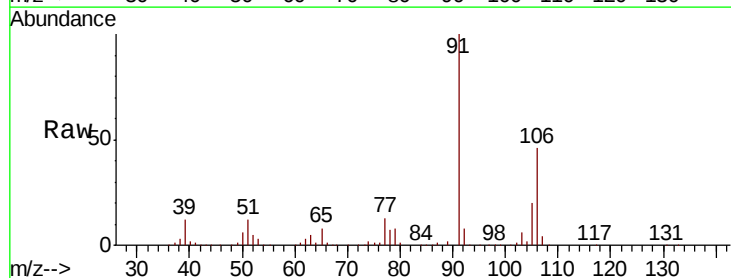
Acq: 26 Dec 2018 17:04

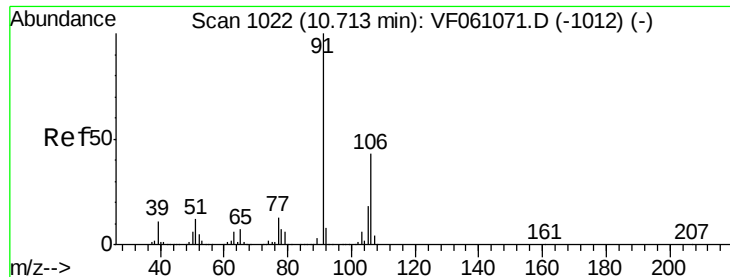
Tgt Ion: 106 Resp: 245848

Ion Ratio Lower Upper

106 100

91 217.3 168.2 252.2





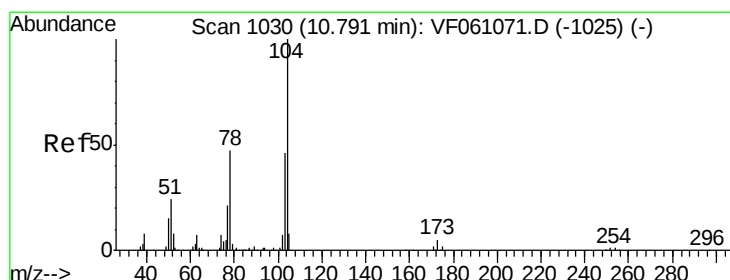
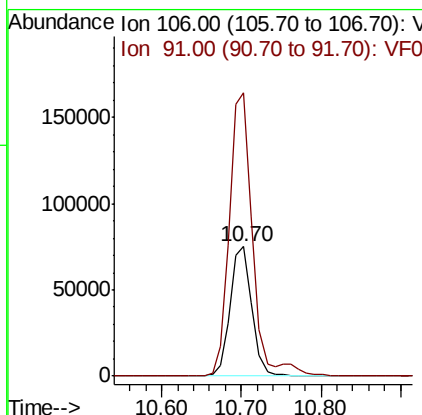
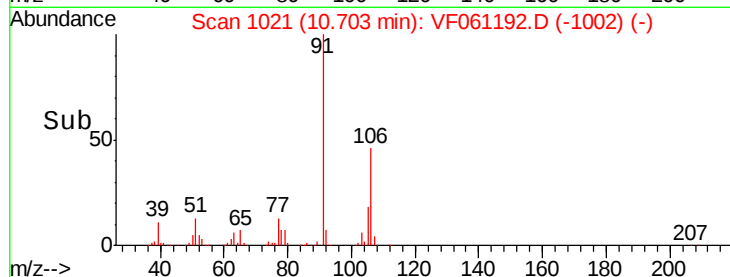
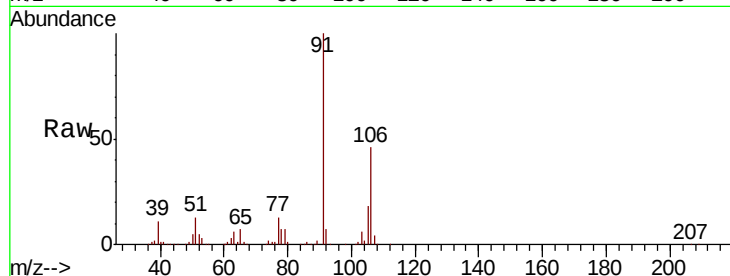
#69
o-Xylene
Concen: 47.507 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	145265		
91	91	218.5	115.9	347.7	

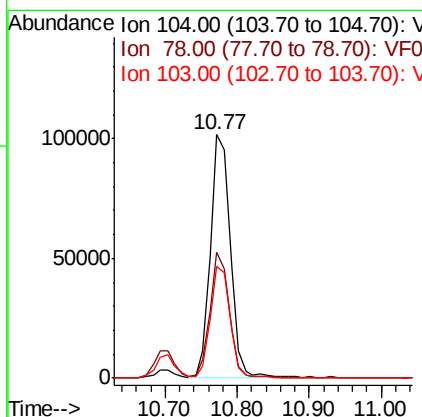
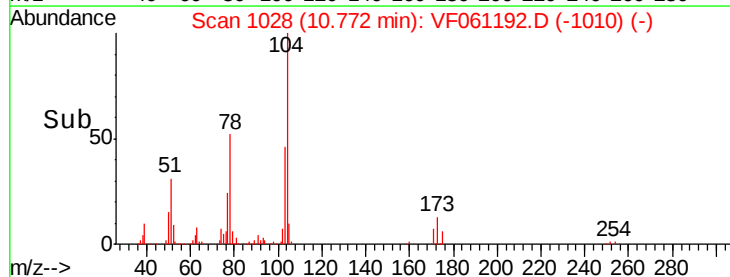
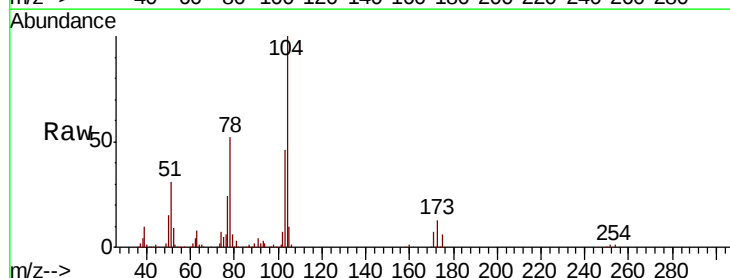
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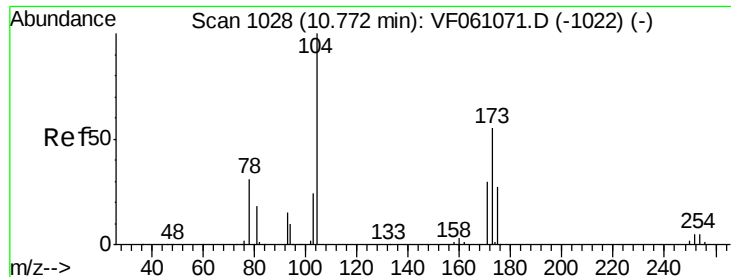
apatel
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#70
Styrene
Concen: 52.212 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	193740		
78	78	51.8	38.4	57.6	
103	103	46.1	37.0	55.6	





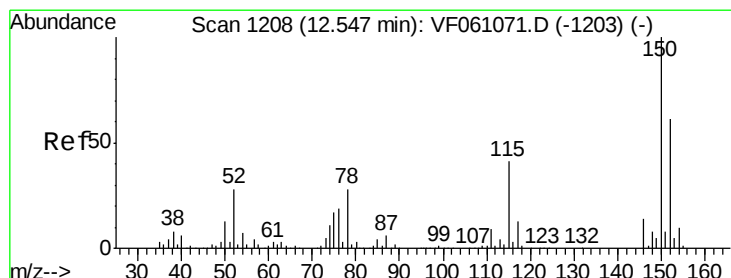
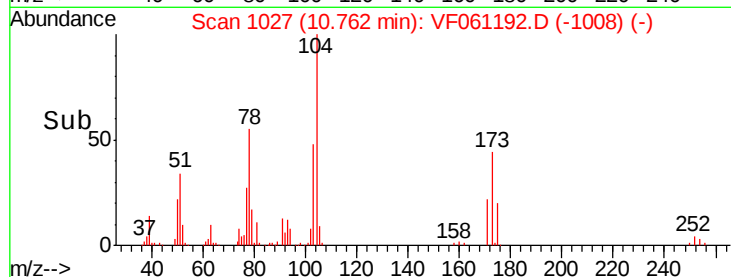
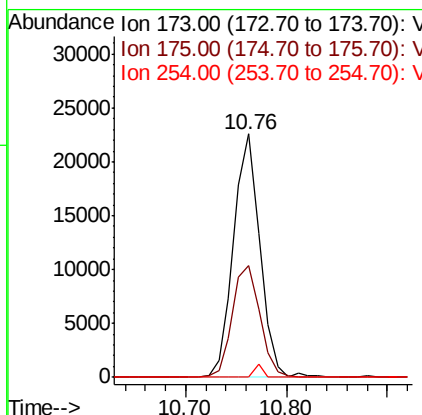
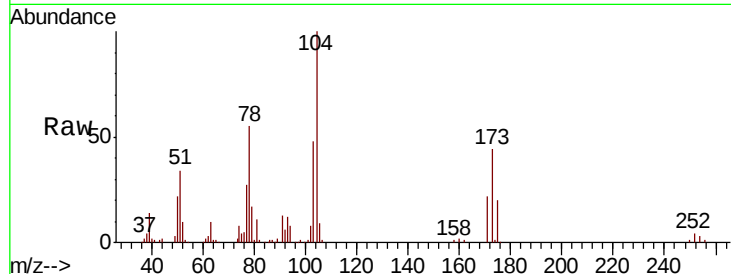
#71
Bromoform
Concen: 50.590 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.9	24.8	74.4
254	0.0	0.0	0.0

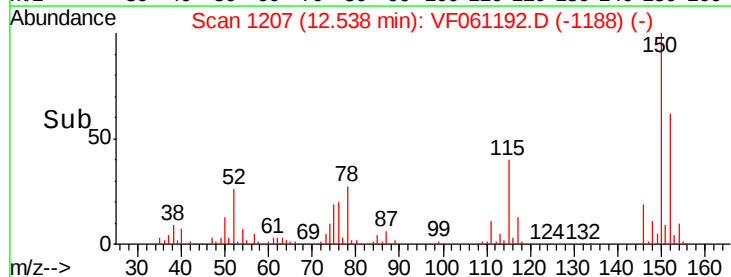
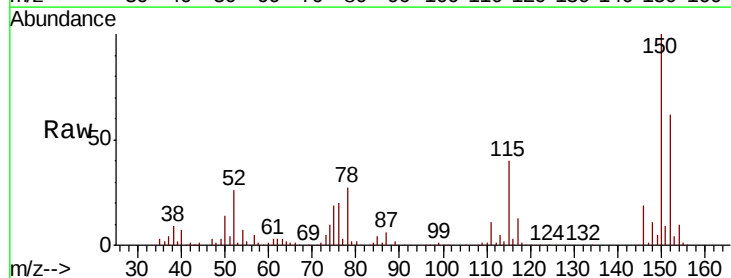
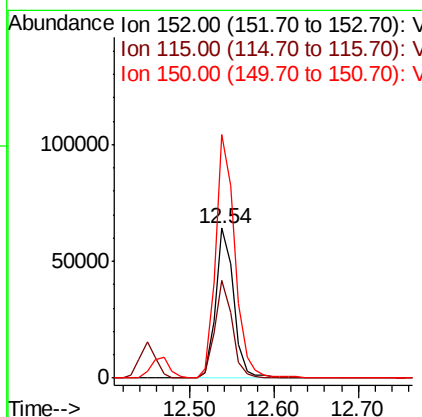
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.9	33.3	99.9
150	162.2	0.0	328.2





#73

Isopropylbenzene

Concen: 47.336 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 105 Resp: 389121

Ion Ratio Lower Upper

105 100

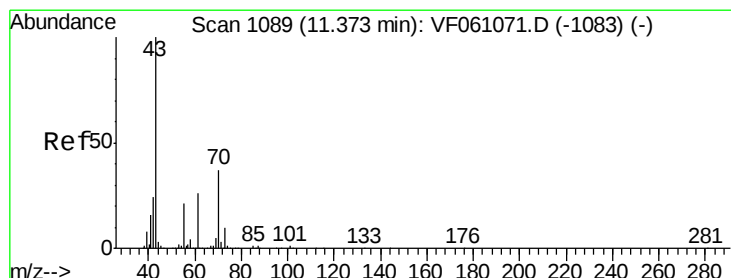
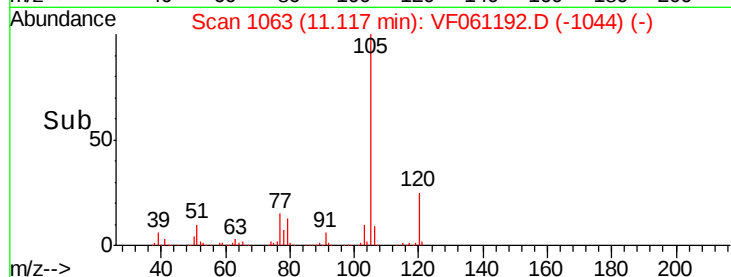
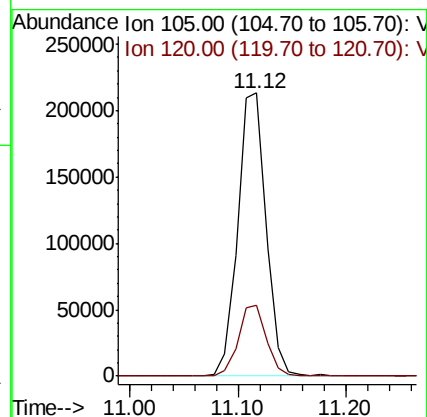
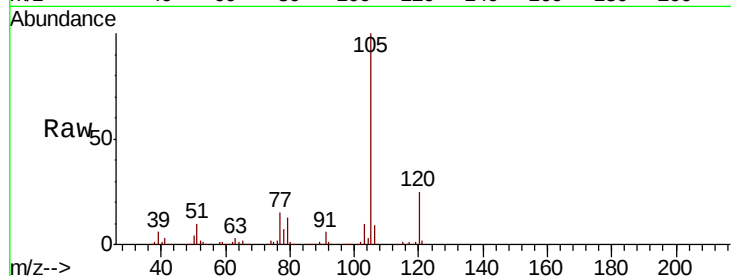
120 25.1 13.0 39.0

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#74

N-ethyl acetate

Concen: 16.598 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion: 43 Resp: 30292

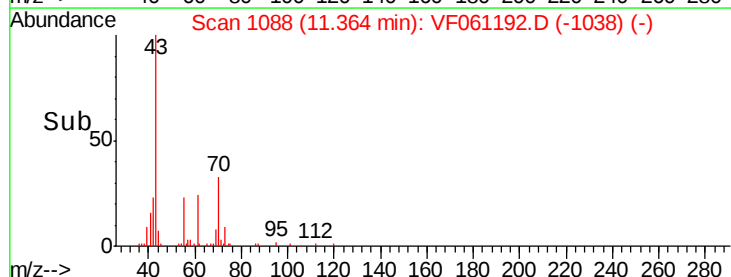
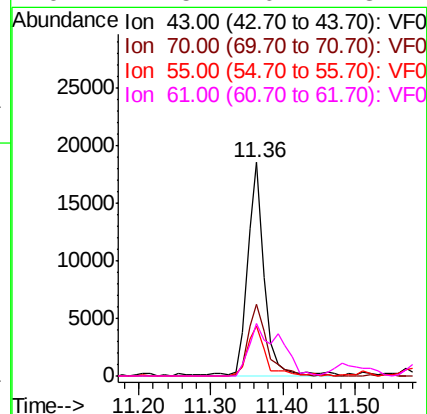
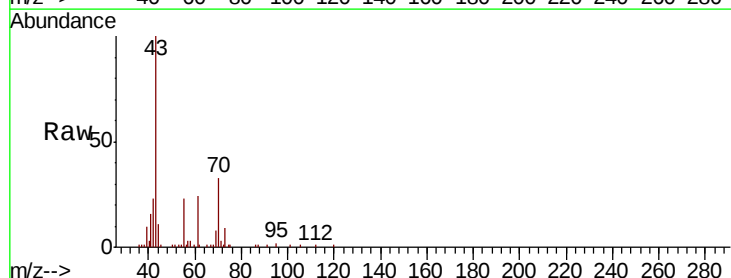
Ion Ratio Lower Upper

43 100

70 33.5 29.2 43.8

55 23.1 16.5 24.7

61 24.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 57.174 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

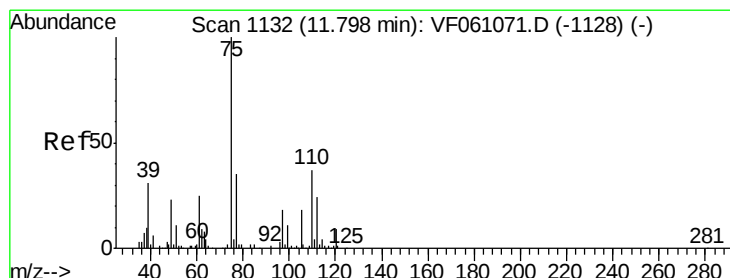
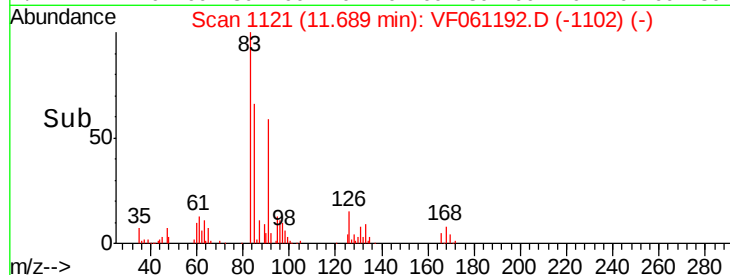
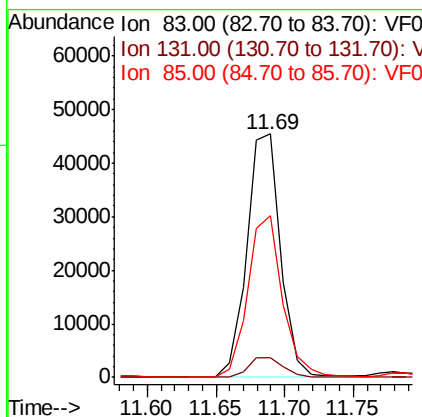
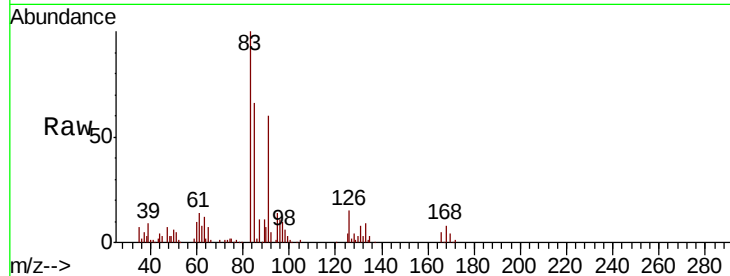
ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:	83	Resp:	78003
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.8	14.3
85	66.5	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 56.368 ug/l

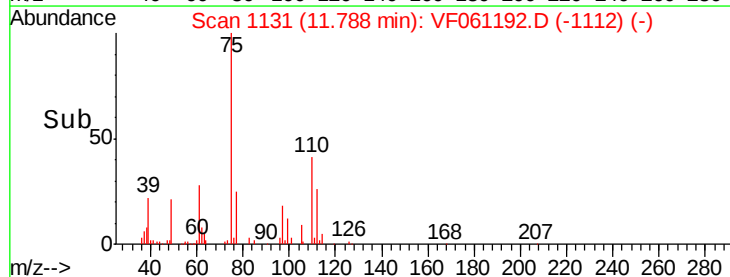
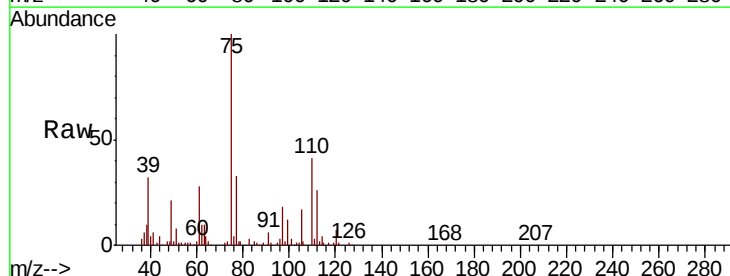
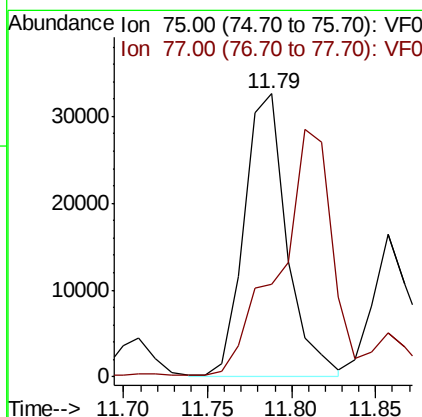
RT: 11.79 min Scan# 1131

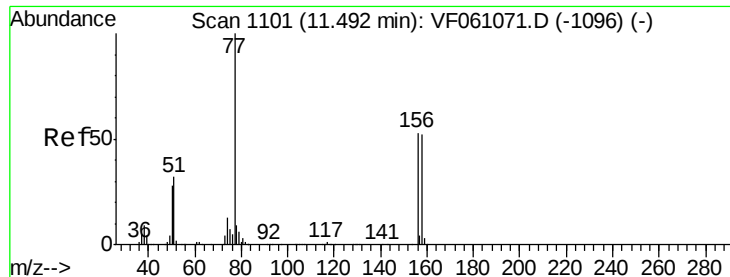
Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion:	75	Resp:	57231
Ion Ratio	Lower	Upper	
75	100		
77	32.8	17.6	52.9





#77

Bromobenzene

Concen: 47.046 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

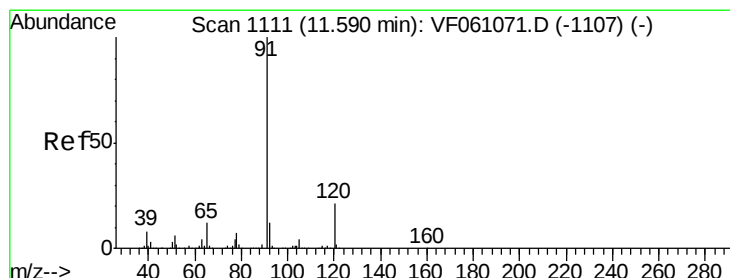
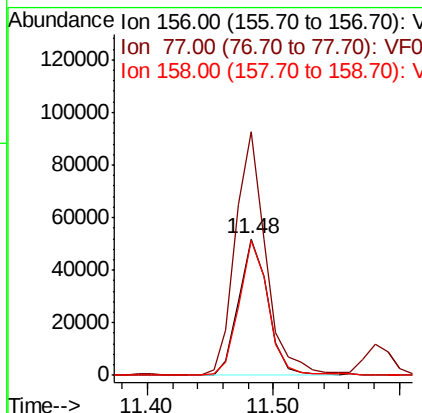
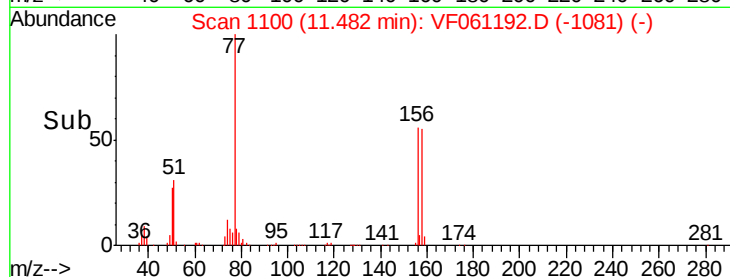
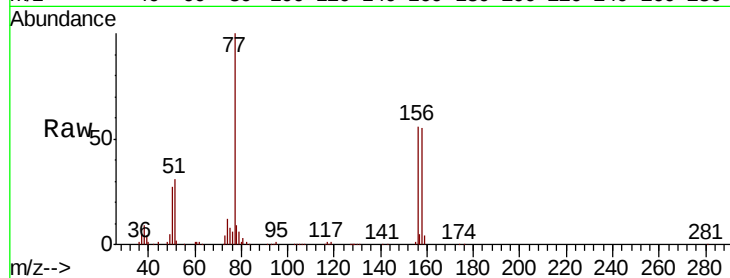
ClientSampleId :

P001-SS001-0612-01MS

Tot Ion:	156	Resp:	83251
Ion Ratio	Lower	Upper	
156	100		
77	178.9	93.8	281.4
158	98.9	48.9	146.8

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#78

n-propylbenzene

Concen: 43.036 ug/l

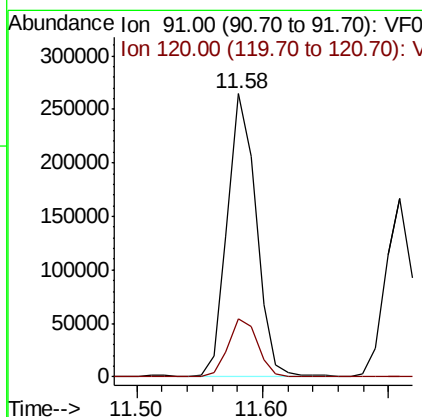
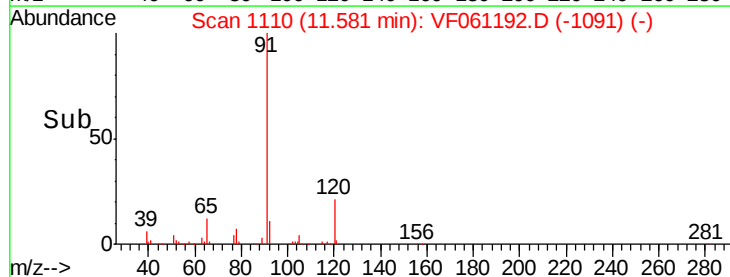
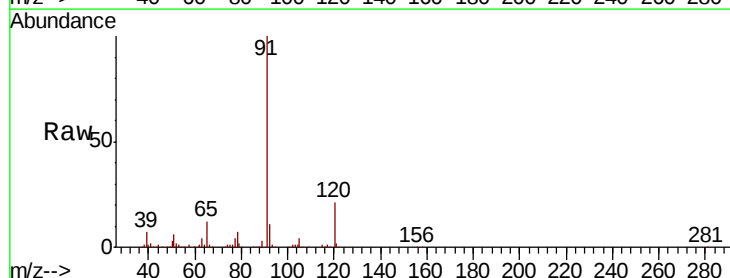
RT: 11.58 min Scan# 1110

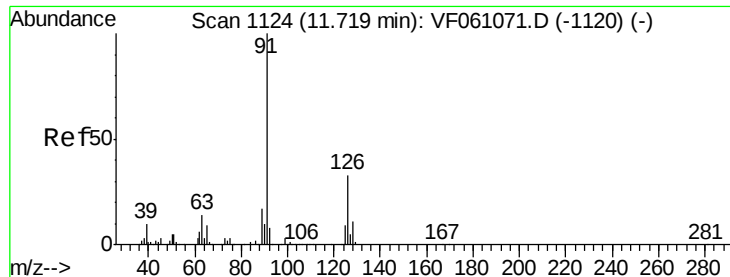
Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Tgt Ion:	91	Resp:	419134
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.4	31.2





#79

2-Chlorotoluene

Concen: 44.970 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 91 Resp: 253591

Ion Ratio Lower Upper

91 100

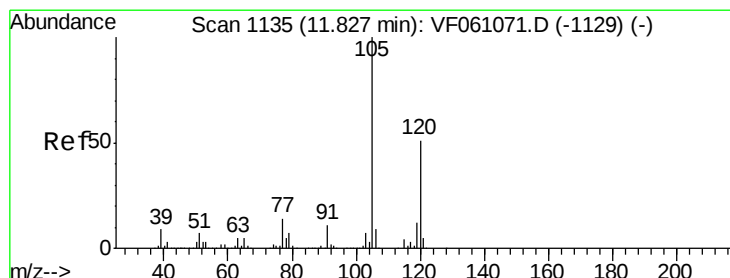
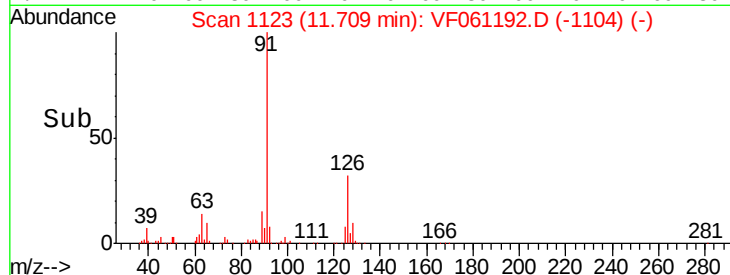
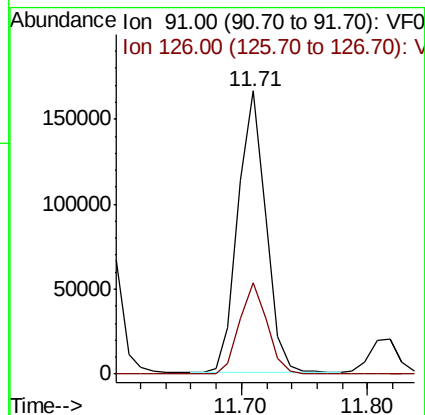
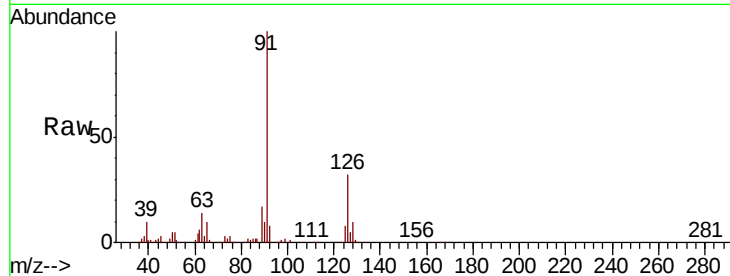
126 32.1 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 44.815 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061192.D

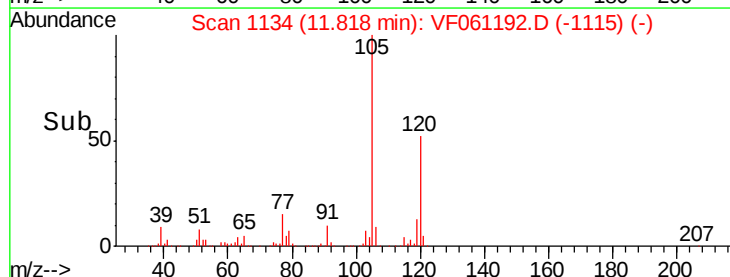
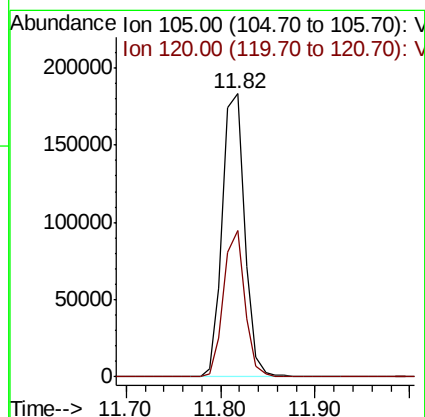
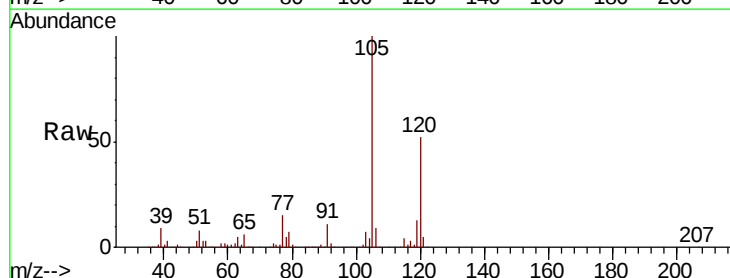
Acq: 26 Dec 2018 17:04

Tgt Ion: 105 Resp: 303347

Ion Ratio Lower Upper

105 100

120 51.8 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 58.775 ug/l m

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061192.D

Acq: 26 Dec 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

P001-SS001-0612-01MS

Tot Ion: 75 Resp: 25643

Ion Ratio Lower Upper

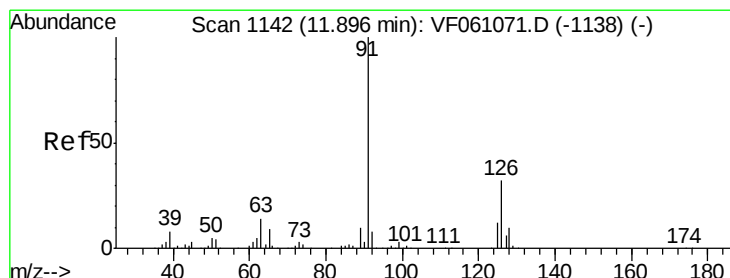
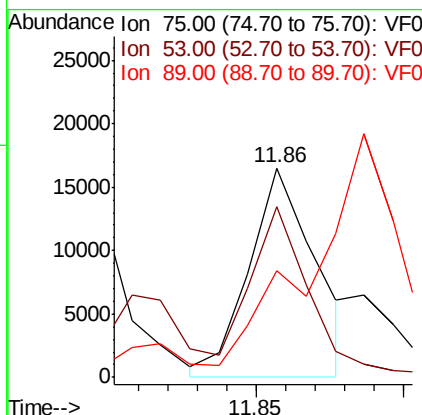
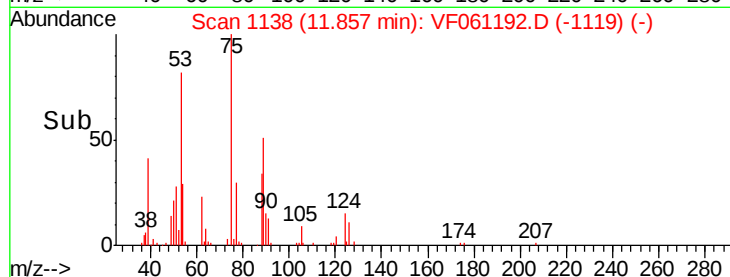
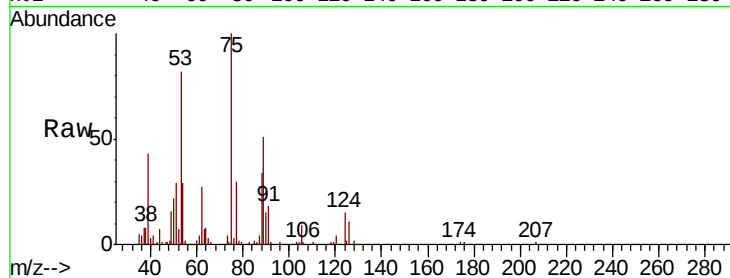
75 100

53 81.8 74.1 111.1

89 51.0 42.6 64.0

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#82

4-Chlorotoluene

Concen: 44.016 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061192.D

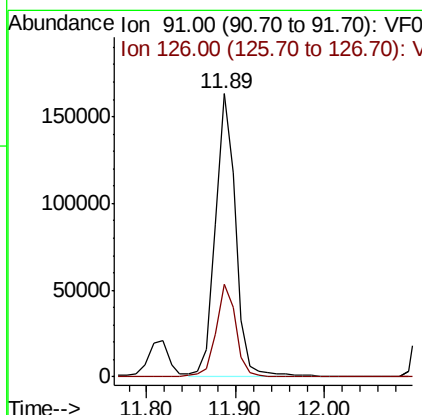
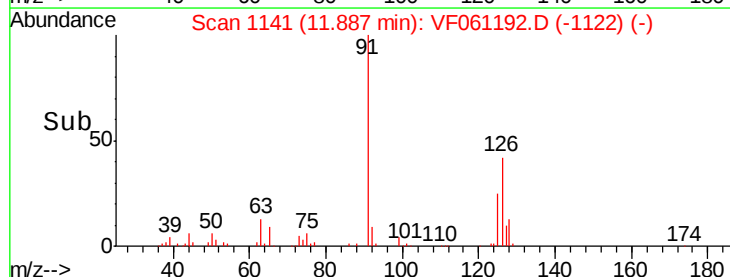
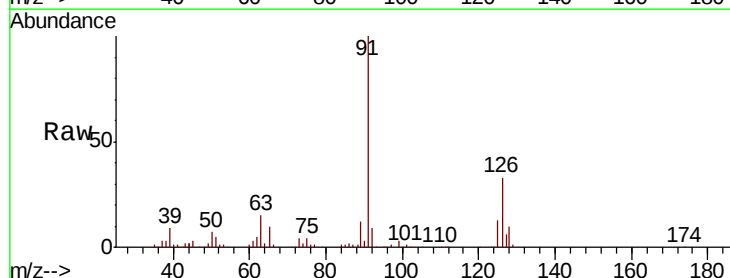
Acq: 26 Dec 2018 17:04

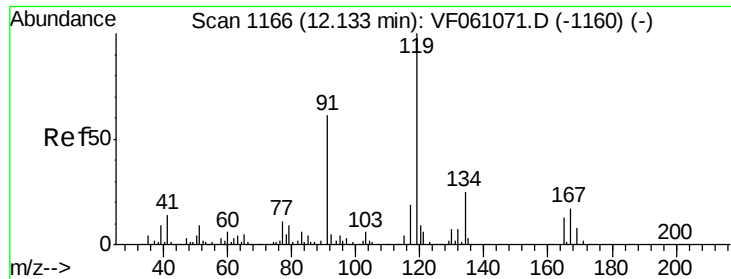
Tgt Ion: 91 Resp: 256771

Ion Ratio Lower Upper

91 100

126 32.8 16.0 47.9





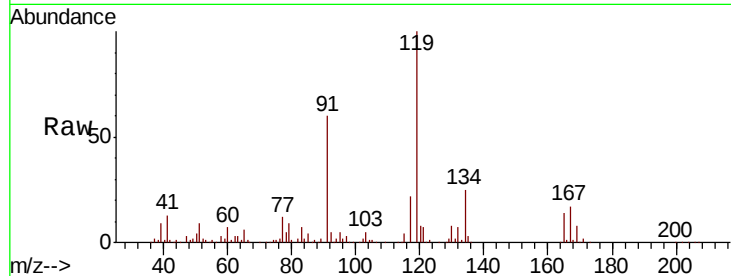
#83
tert-Butylbenzene
Concen: 42.788 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

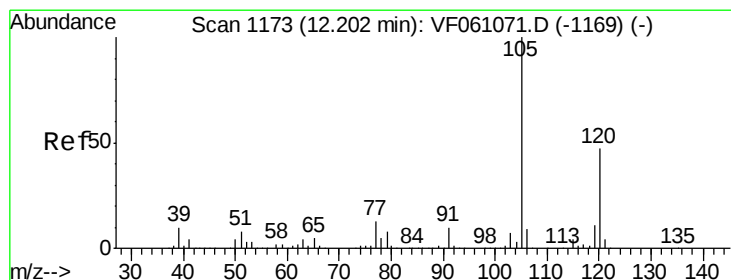
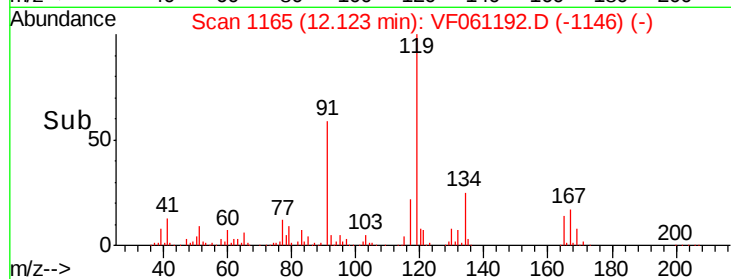
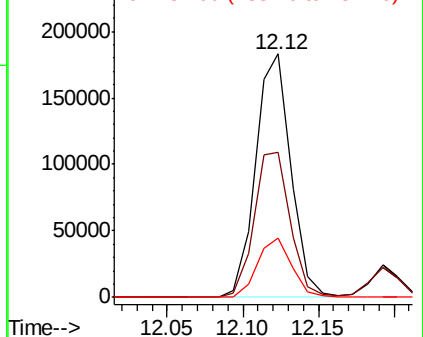
Tot Ion	Ratio	Resp	Lower	Upper
119	100	298030		
91	59.7	30.5	91.5	
134	24.5	12.4	37.4	

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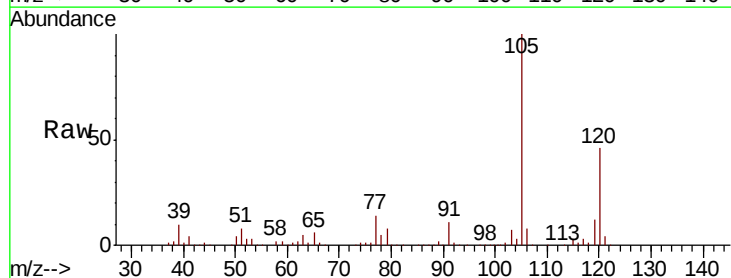


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

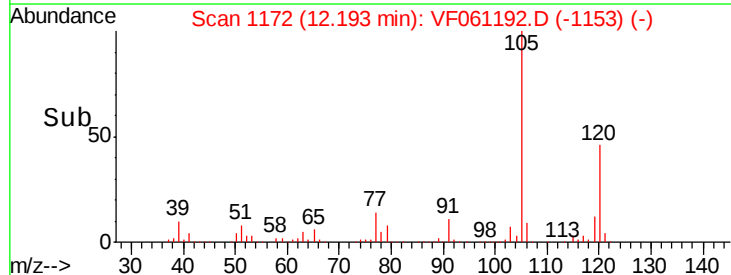
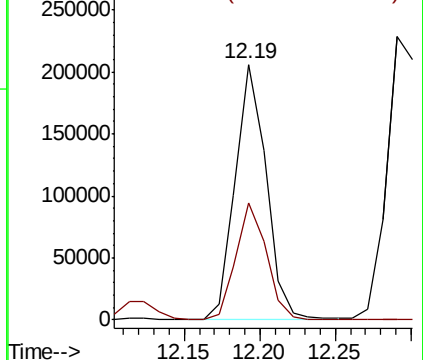


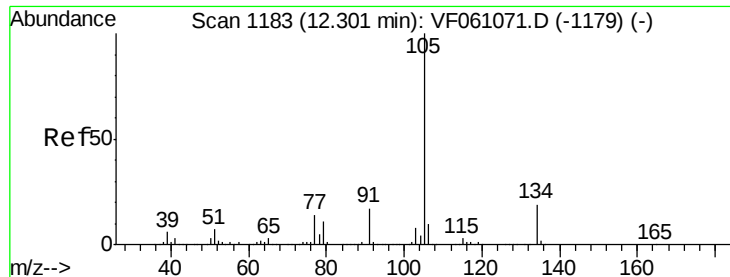
#84
1,2,4-Trimethylbenzene
Concen: 43.872 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	296136		
120	45.8	23.6	71.0	



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





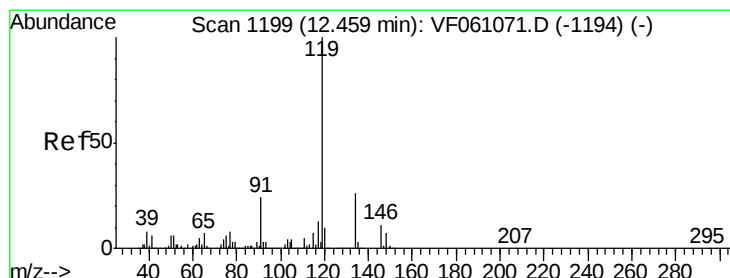
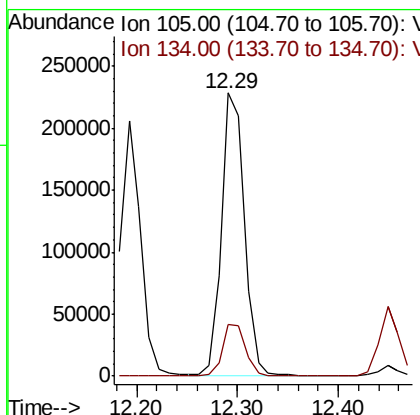
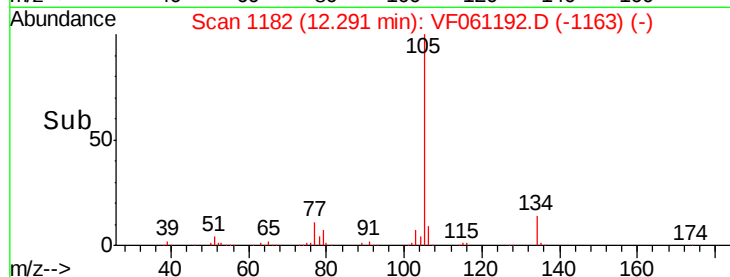
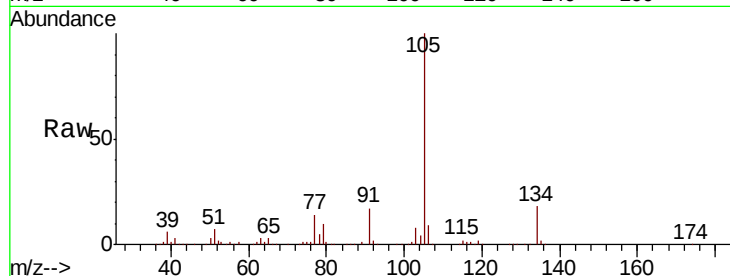
#85
 sec-Butylbenzene
 Concen: 39.844 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	362170		
134	18.1	9.4	28.2	

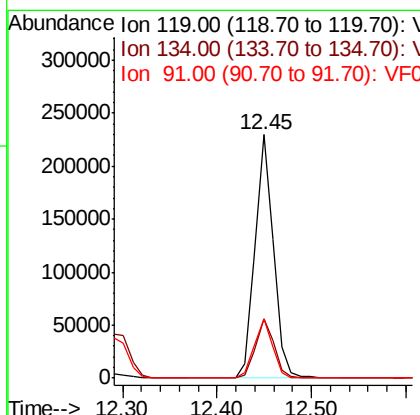
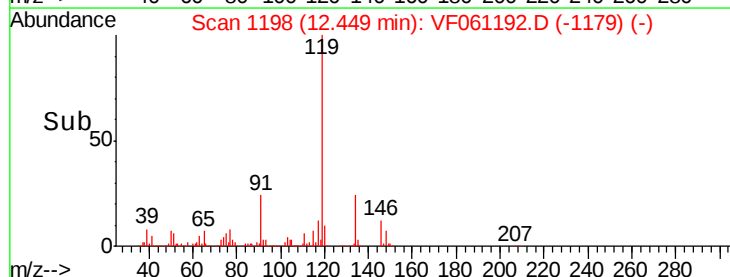
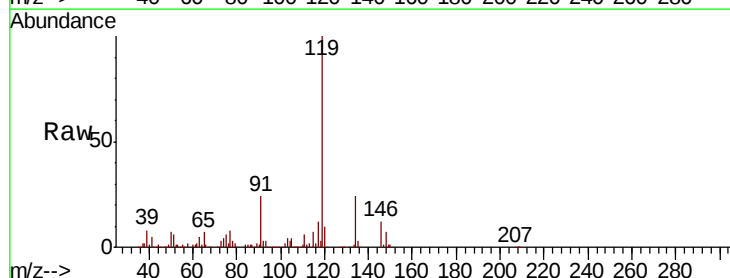
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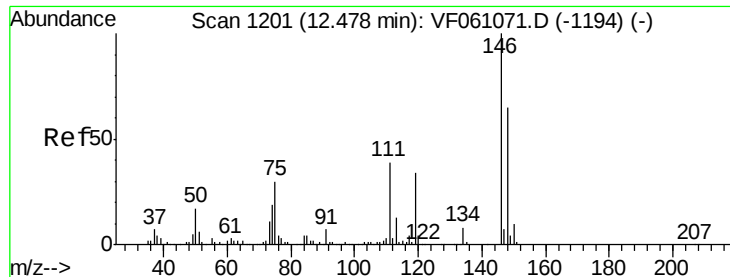
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#86
 p-Isopropyltoluene
 Concen: 41.180 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	310705		
134	24.3	12.8	38.4	
91	24.4	12.2	36.6	





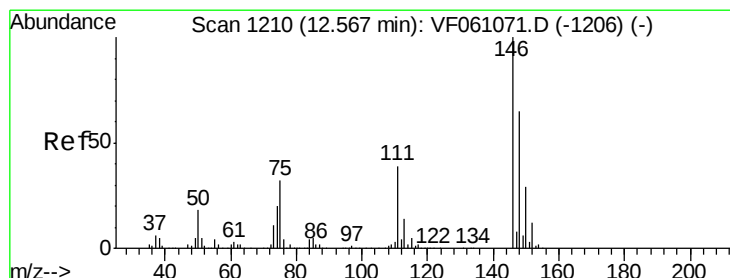
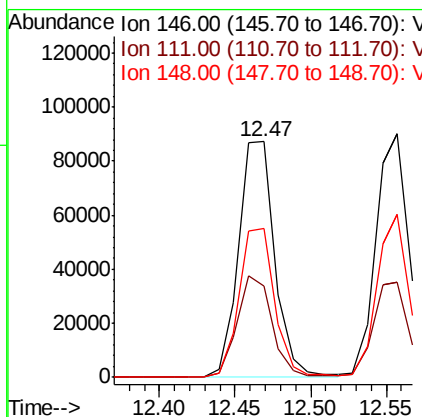
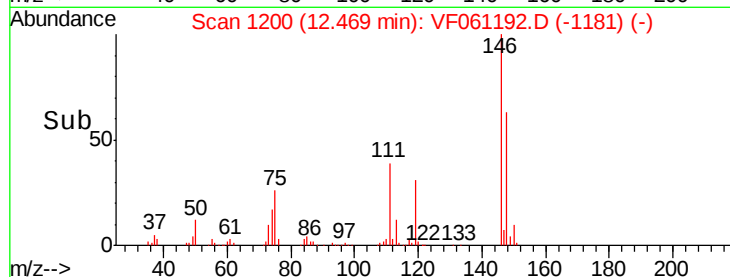
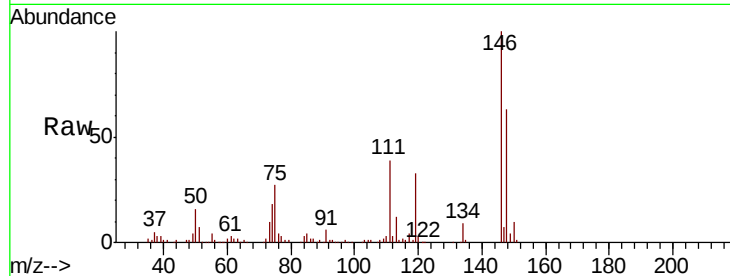
#87
 1,3-Dichlorobenzene
 Concen: 50.446 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.2	32.4	97.2

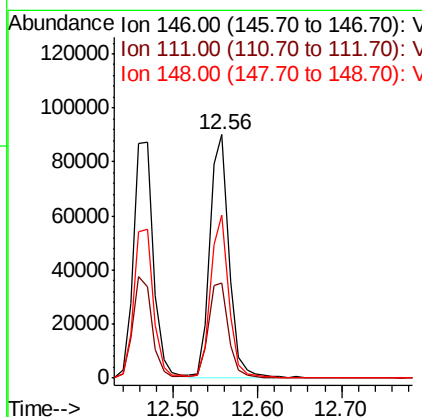
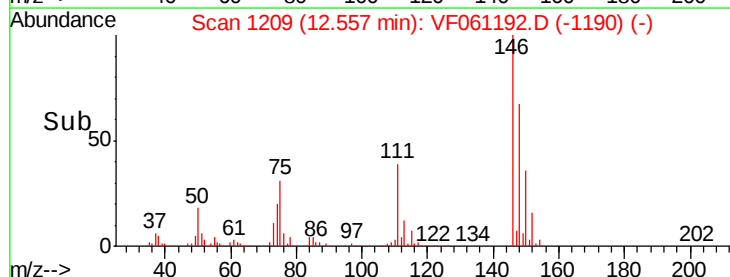
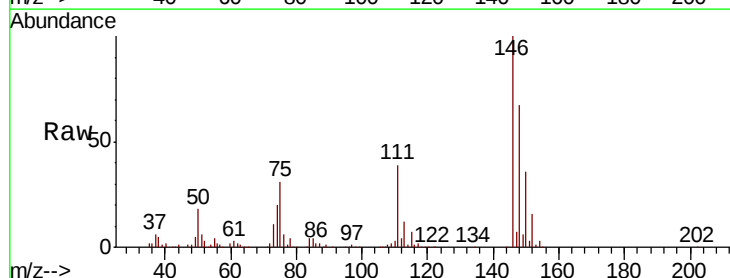
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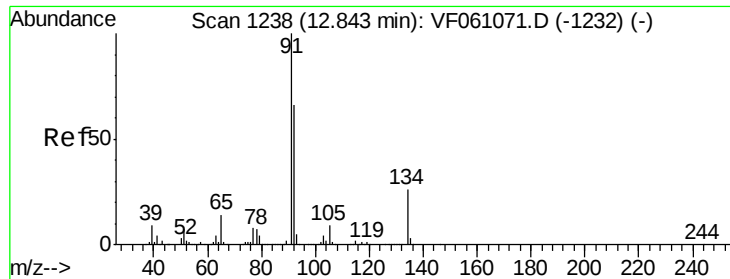
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#88
 1,4-Dichlorobenzene
 Concen: 43.871 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.4
148	66.7	32.4	97.0





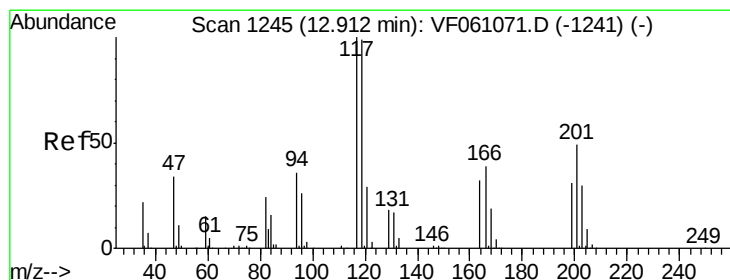
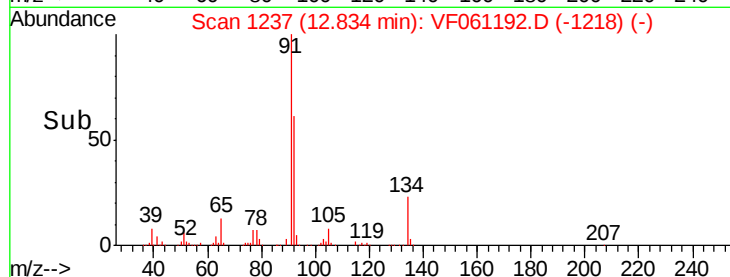
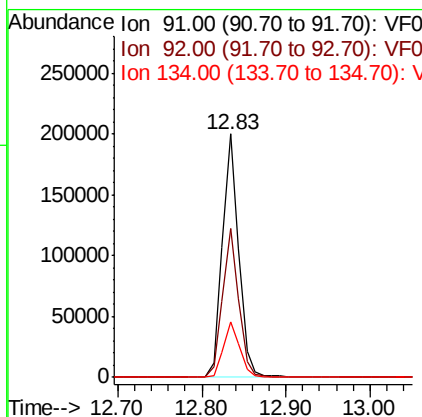
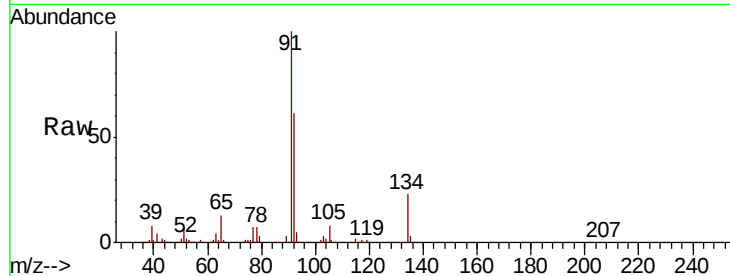
#89
n-Butylbenzene
Concen: 32.919 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.0	32.8	98.4
134	22.8	13.2	39.5

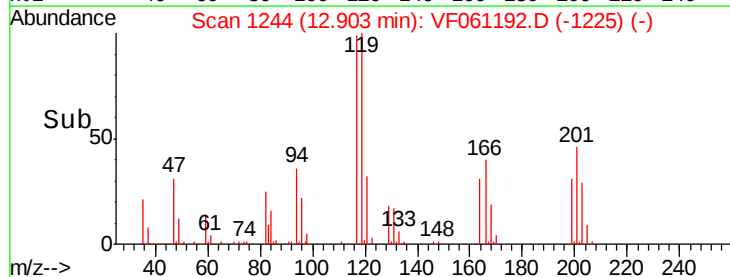
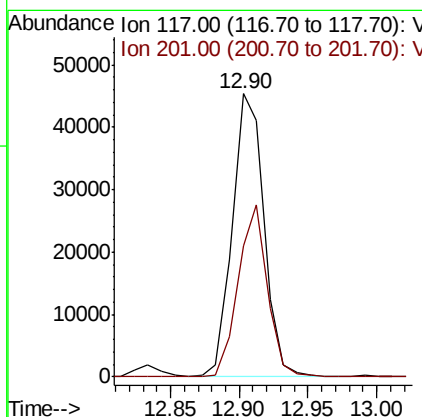
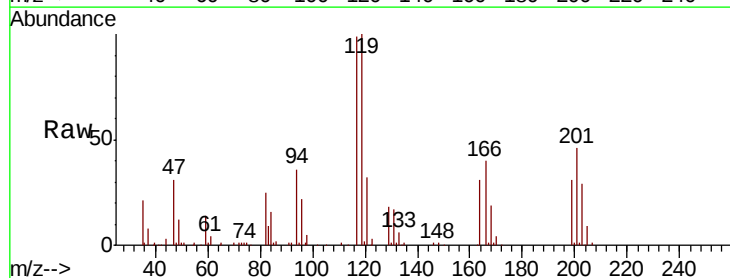
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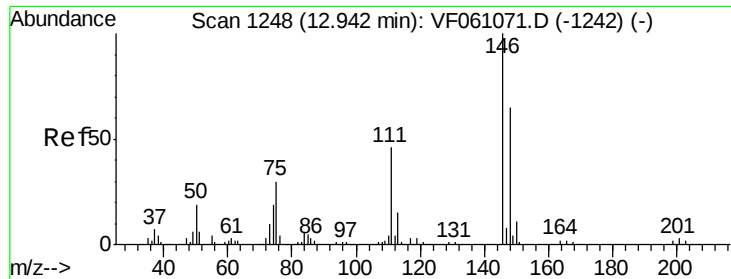
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#90
Hexachloroethane
Concen: 38.993 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	46.5	24.9	74.8





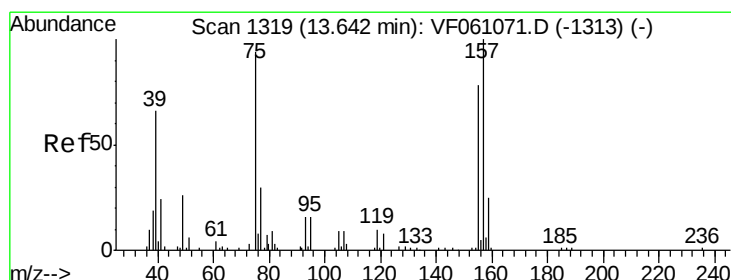
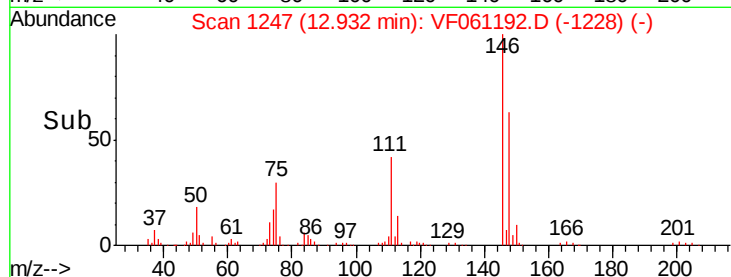
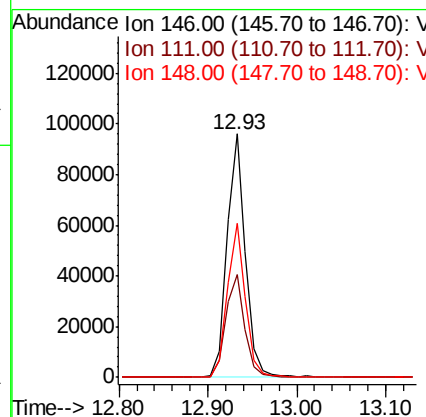
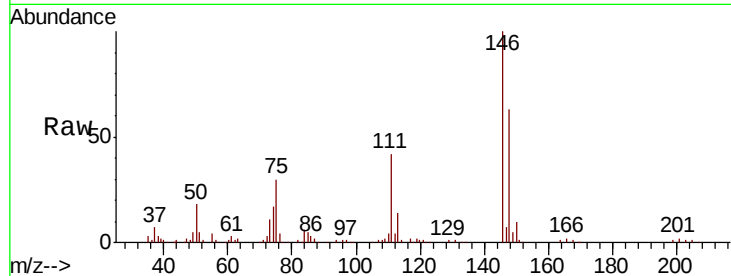
#91
 1,2-Dichlorobenzene
 Concen: 44.373 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	23.2	69.5
148	63.3	32.4	97.0

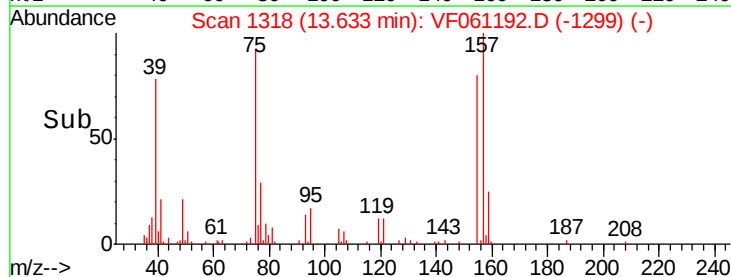
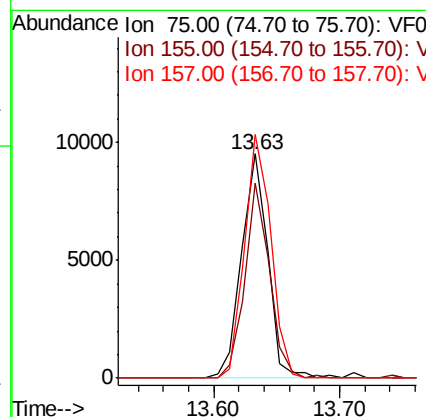
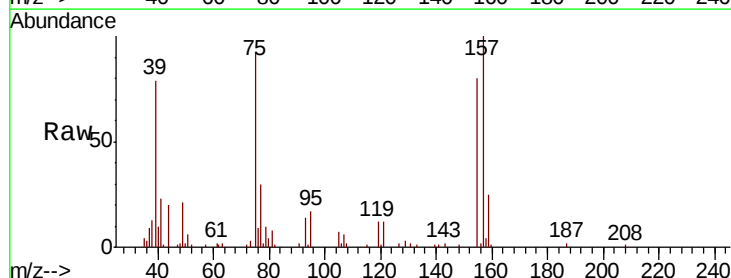
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.431 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	41.5	124.5
157	108.5	53.2	159.6





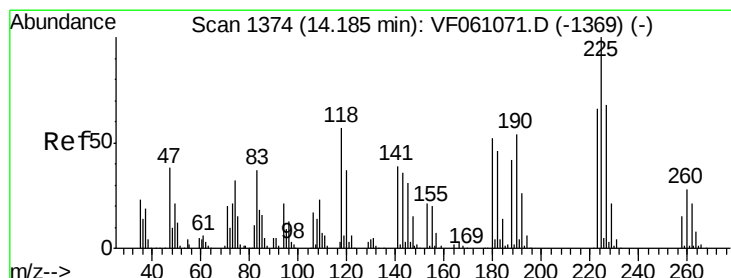
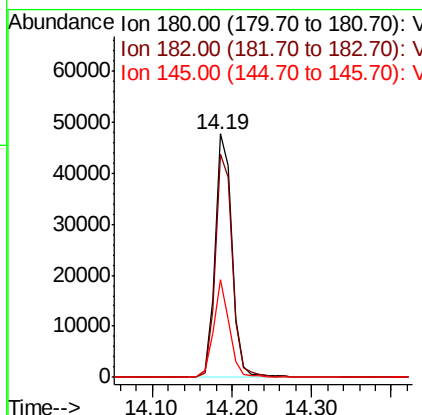
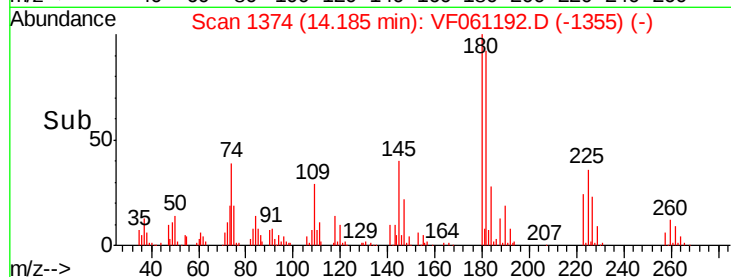
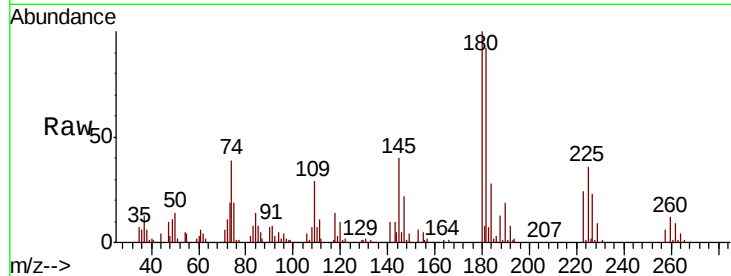
#93
 1,2,4-Trichlorobenzene
 Concen: 32.122 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.9	46.9	140.6
145	40.1	20.5	61.6

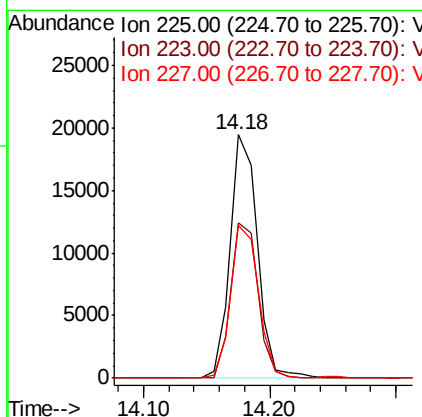
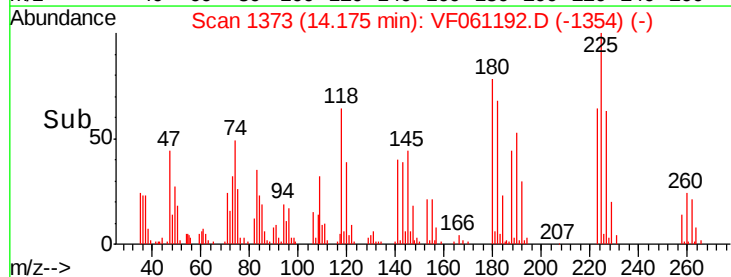
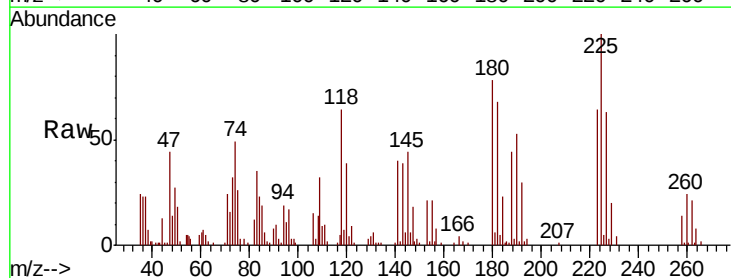
Manual Integrations
 APPROVED

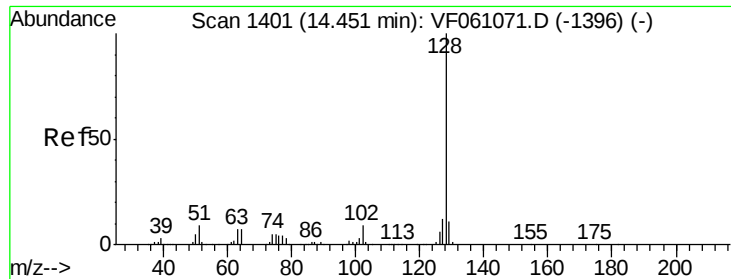
apatel
 12/27/2018 4:19:06 PM



#94
 Hexachlorobutadiene
 Concen: 20.272 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061192.D
 Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.8	98.3
227	62.6	34.0	101.8





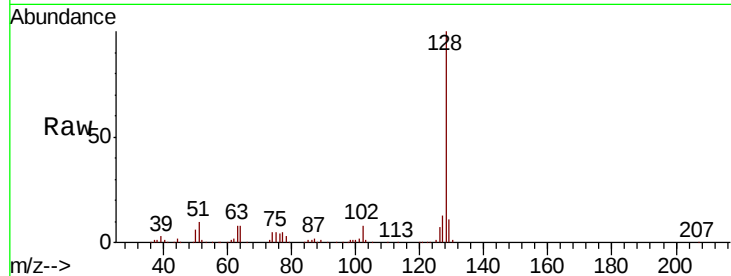
#95
Naphthalene
Concen: 41.227 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
P001-SS001-0612-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.4	14.2
129	10.6	8.8	13.2

Manual Integrations
APPROVED

apatel
12/27/2018 4:19:06 PM

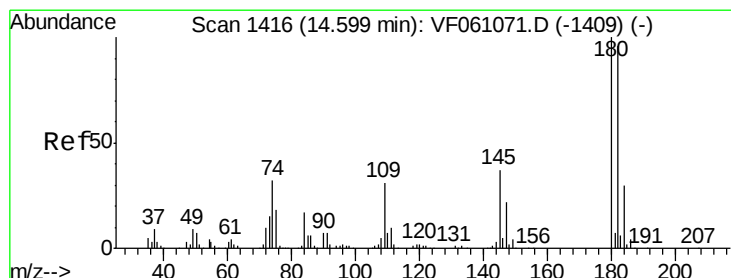
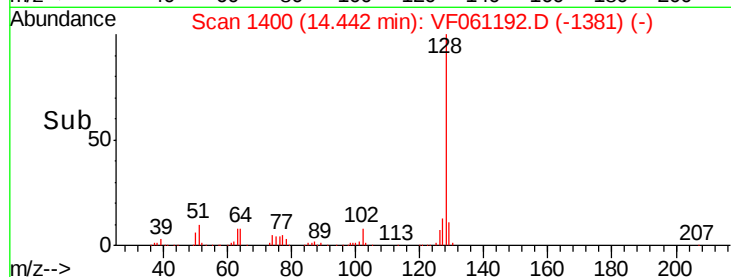
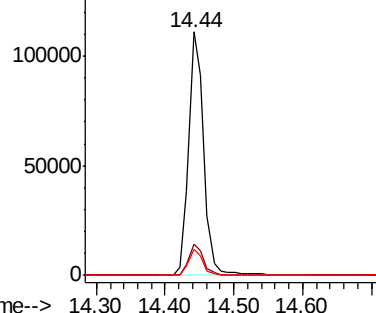


Abundance

Ion 128.00 (127.70 to 128.70): V

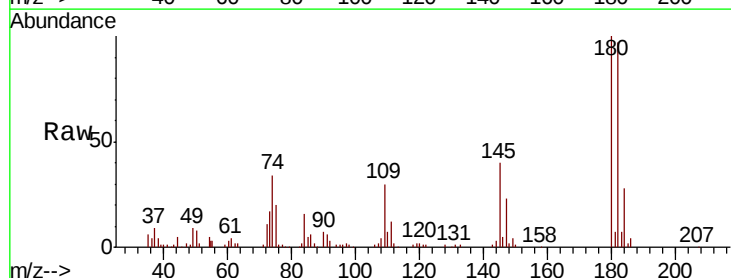
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 29.446 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061192.D
Acq: 26 Dec 2018 17:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.9	143.8
145	40.1	18.6	55.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

