

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061190.D
 Acq On : 26 Dec 2018 16:06
 Operator : VA/AP
 Sample : J6447-10MSD
 Misc : 3.89g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MSD

Manual Integrations
 APPROVED

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 12/27/2018 4:19:02 PM

Quant Time: Dec 27 07:37:30 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	124227	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	209935	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.76	117	152554	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.54	152	48788	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	101507	63.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	127.06%	
35) Dibromofluoromethane	4.10	113	102001	60.65	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	121.30%	
50) Toluene-d8	7.54	98	222475	46.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.36%	
62) 4-Bromofluorobenzene	11.40	95	73037	33.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	66.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	149429	54.112	ug/l	96
3) Chloromethane	1.10	50	93986	59.416	ug/l	99
4) Vinyl Chloride	1.13	62	85154	58.031	ug/l	93
5) Bromomethane	1.33	94	52983	52.057	ug/l	88
6) Chloroethane	1.39	64	36856	54.509	ug/l	89
7) Trichlorofluoromethane	1.47	101	153510m	54.790	ug/l	
8) Diethyl Ether	1.62	74	24858	64.789	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.84	101	64782	44.594	ug/l	95
10) Methyl Iodide	1.90	142	120246m	52.511	ug/l	
11) Tert butyl alcohol	2.56	59	25225	391.227	ug/l	95
12) 1,1-Dichloroethene	1.79	96	58008	52.973	ug/l	94
13) Acrolein	2.01	56	222m	4.765	ug/l	
14) Allyl chloride	2.09	41	68023	59.691	ug/l	96
15) Acrylonitrile	2.94	53	50966	341.835	ug/l	94
16) Acetone	2.23	43	77364	242.207	ug/l	99
17) Carbon Disulfide	1.83	76	170523m	51.528	ug/l	
18) Methyl Acetate	2.33	43	154502	233.798	ug/l	94
19) Methyl tert-butyl Ether	2.42	73	158407	65.171	ug/l	97
20) Methylene Chloride	2.25	84	64848m	64.869	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	61641m	52.629	ug/l	
22) Diisopropyl ether	2.79	45	238241	62.761	ug/l	96
24) 1,1-Dichloroethane	2.86	63	130268	57.920	ug/l	99
25) 2-Butanone	4.32	43	156653	302.404	ug/l	100
26) 2,2-Dichloropropane	3.58	77	74037	57.361	ug/l	88
27) cis-1,2-Dichloroethene	3.46	96	95580	53.306	ug/l	97
28) Bromochloromethane	3.70	49	77890	68.253	ug/l #	82
29) Tetrahydrofuran	4.06	42	75480	357.993	ug/l	96
30) Chloroform	3.84	83	191555	56.801	ug/l	98
31) Cyclohexane	3.68	56	90670m	38.850	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	104512	51.704	ug/l	96
36) 1,1-Dichloropropene	4.26	75	120871	47.699	ug/l	96
37) Ethyl Acetate	4.07	43	31420	29.728	ug/l #	1
38) Carbon Tetrachloride	3.97	117	91567	47.449	ug/l	99
39) Methylcyclohexane	5.43	83	64855	28.528	ug/l	90

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	4.61	78	288613	52.961	ug/l	98
41) Methacrylonitrile	4.73	41	33861	63.272	ug/l	91
42) 1,2-Dichloroethane	4.93	62	132137	63.829	ug/l	94
43) Isopropyl Acetate	6.94	43	12268	10.026	ug/l	95
44) Trichloroethene	5.48	130	86734	50.483	ug/l	94
45) 1,2-Dichloropropane	6.22	63	85738	57.828	ug/l	98
46) Dibromomethane	6.07	93	60264	62.670	ug/l	97
47) Bromodichloromethane	6.37	83	138614	55.478	ug/l	98
48) Methyl methacrylate	6.70	41	75030	87.838	ug/l	95
49) 1,4-Dioxane	6.69	88	10459	1687.497	ug/l #	82
51) 4-Methyl-2-Pentanone	8.24	43	298443	355.648	ug/l	99
52) Toluene	7.61	92	164001	45.464	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	107396	53.283	ug/l	96
54) cis-1,3-Dichloropropene	7.29	75	134906	53.329	ug/l	98
55) 1,1,2-Trichloroethane	8.47	97	61728	57.081	ug/l	91
56) Ethyl methacrylate	8.61	69	11469	9.801	ug/l #	74
57) 1,3-Dichloropropane	8.83	76	112947	57.748	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	62948	280.093	ug/l #	90
59) 2-Hexanone	9.48	43	197832	325.995	ug/l	99
60) Dibromochloromethane	8.70	129	85123	54.912	ug/l	92
61) 1,2-Dibromoethane	8.97	107	68362	59.191	ug/l	98
64) Tetrachloroethene	8.13	164	56228	47.914	ug/l	95
65) Chlorobenzene	9.78	112	166940	52.971	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.91	131	77105	59.868	ug/l	94
67) Ethyl Benzene	9.88	91	286127	49.834	ug/l	100
68) m/p-Xylenes	10.12	106	192220	95.131	ug/l	99
69) o-Xylene	10.70	106	111301	49.666	ug/l	99
70) Stvrene	10.78	104	133818	48.897	ug/l	99
71) Bromoform	10.76	173	38442	64.516	ug/l	100
73) Isopropylbenzene	11.11	105	277618	66.032	ug/l	96
74) N-amyl acetate	11.36	43	3910	4.189	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	79574	114.039	ug/l	99
76) 1,2,3-Trichloropropane	11.78	75	59713	114.991	ug/l	100
77) Bromobenzene	11.49	156	60547	66.899	ug/l	84
78) n-propylbenzene	11.59	91	281351	60.865	ug/l	99
79) 2-Chlorotoluene	11.70	91	166184	57.619	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	188211	54.366	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	20808m	93.250	ug/l	
82) 4-Chlorotoluene	11.88	91	163178	54.692	ug/l	93
83) tert-Butylbenzene	12.12	119	209626	58.844	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	190408	55.154	ug/l	94
85) sec-Butylbenzene	12.30	105	214829	46.210	ug/l	99
86) p-Isopropyltoluene	12.44	119	178640	46.293	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	79178	54.042	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	83720	50.376	ug/l	98
89) n-Butylbenzene	12.83	91	142495	34.032	ug/l	92
90) Hexachloroethane	12.91	117	45879	48.122	ug/l	82
91) 1,2-Dichlorobenzene	12.93	146	80218	49.579	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	12468	97.372	ug/l	85
93) 1,2,4-Trichlorobenzene	14.19	180	29282	25.519	ug/l	93

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.18	225	14493	19.831	ug/l	95
95) Naphthalene	14.45	128	81590	38.939	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	24528	23.123	ug/l	98

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

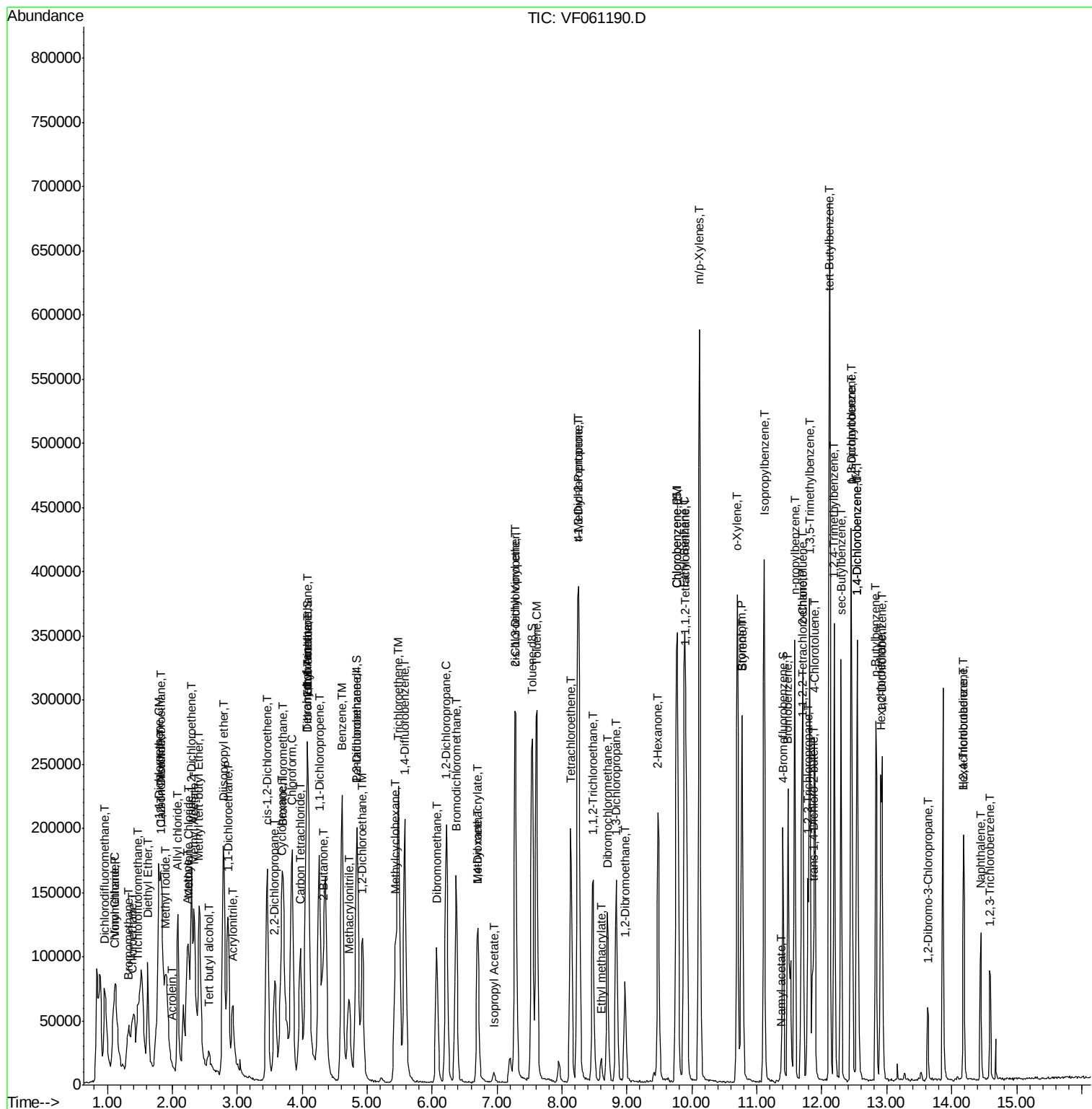
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Acq On : 26 Dec 2018 16:06
Operator : VA/AP
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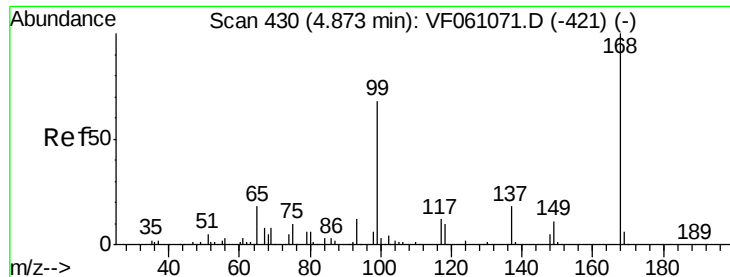
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MSVOA_F
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:168 Resp: 124227

Ion Ratio Lower Upper

168 100

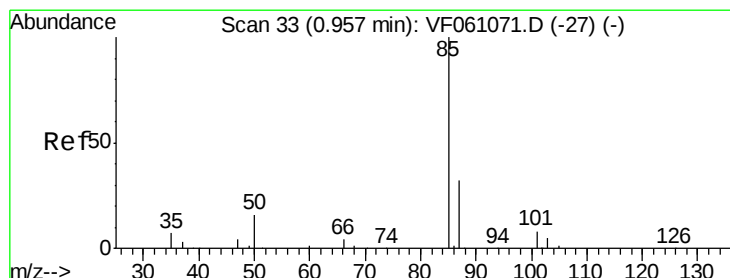
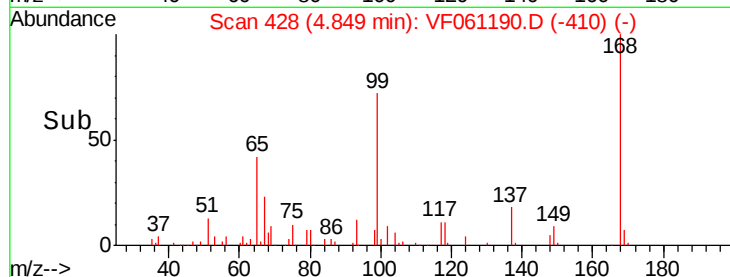
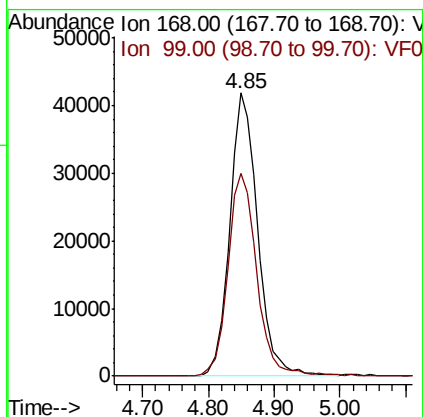
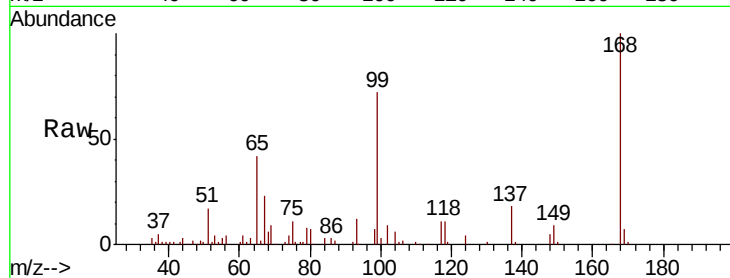
99 71.8 54.4 81.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 54.112 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061190.D

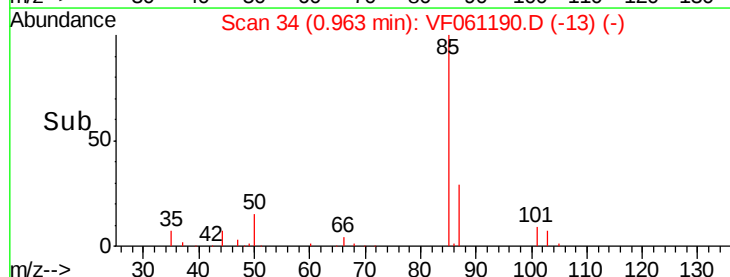
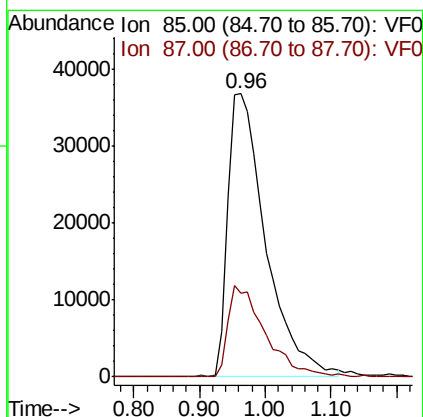
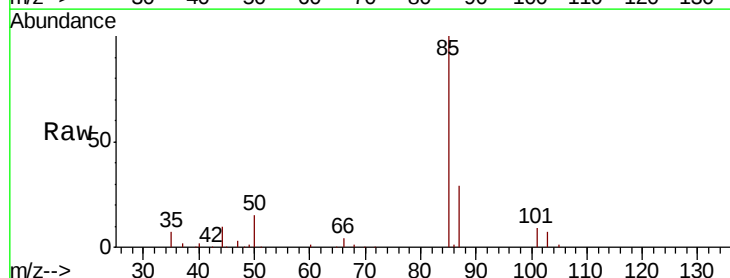
Acq: 26 Dec 2018 16:06

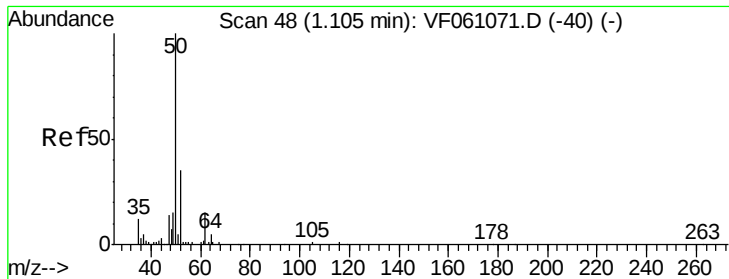
Tgt Ion: 85 Resp: 149429

Ion Ratio Lower Upper

85 100

87 29.5 15.9 47.6





#3

Chloromethane

Concen: 59.416 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 50 Resp: 93986

Ion Ratio Lower Upper

50 100

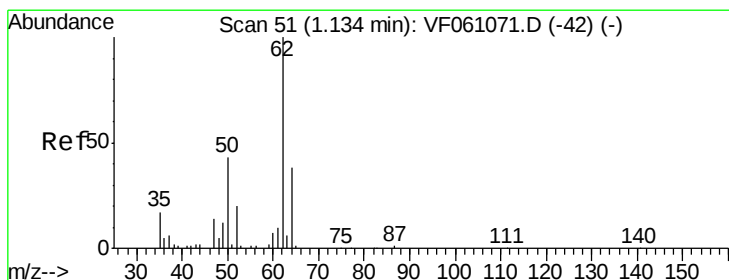
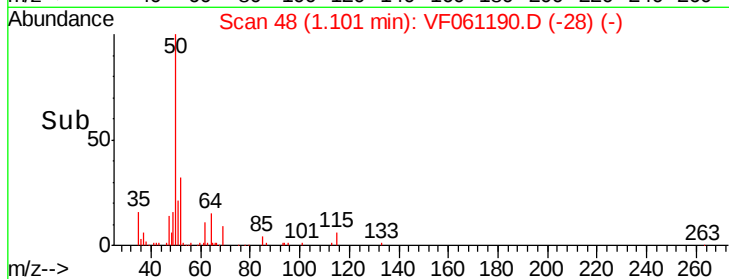
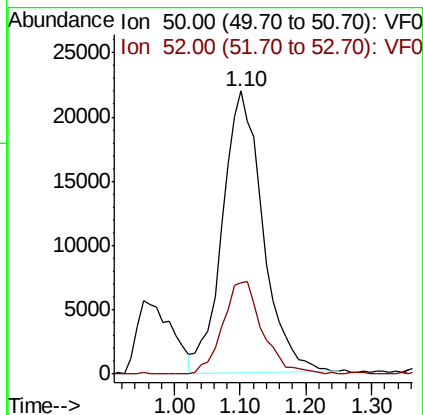
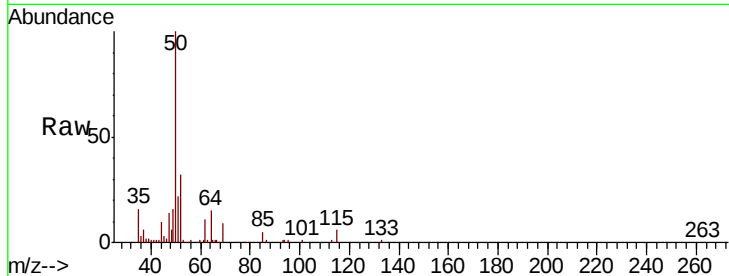
52 32.4 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.031 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061190.D

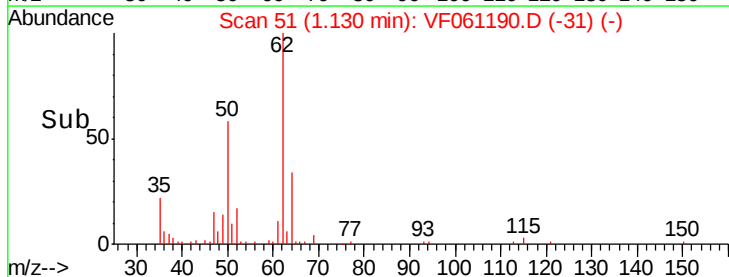
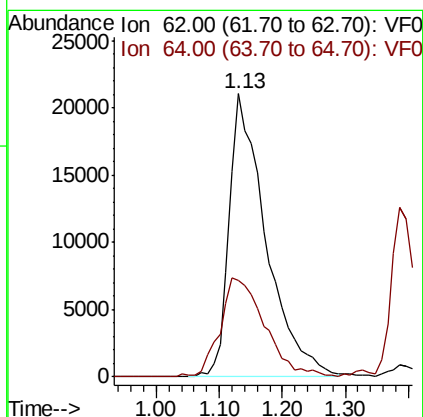
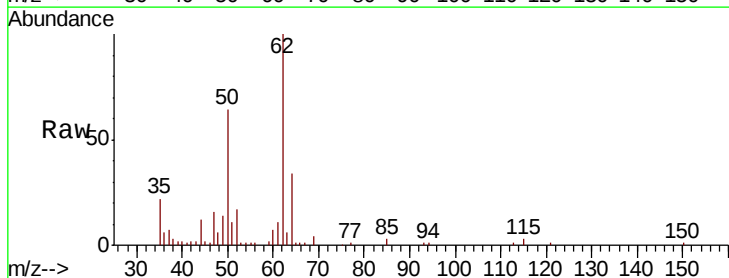
Acq: 26 Dec 2018 16:06

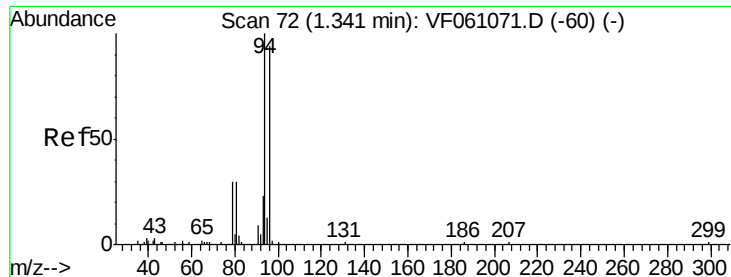
Tgt Ion: 62 Resp: 85154

Ion Ratio Lower Upper

62 100

64 33.9 30.4 45.6





#5

Bromomethane

Concen: 52.057 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 52983

Ion Ratio Lower Upper

94 100

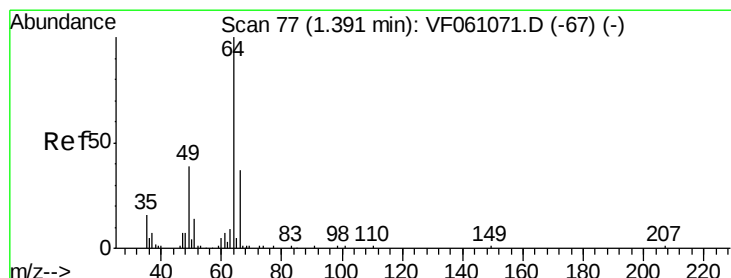
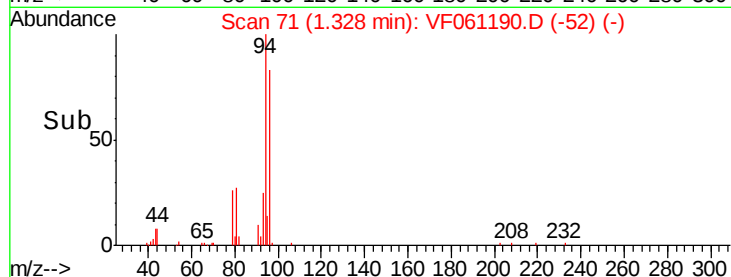
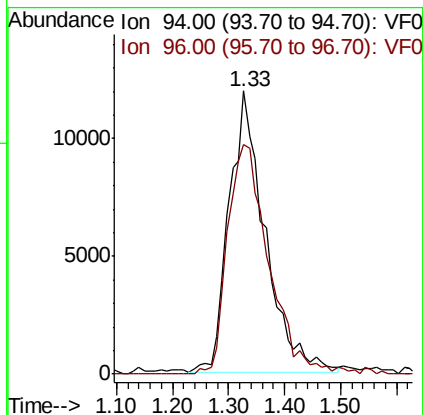
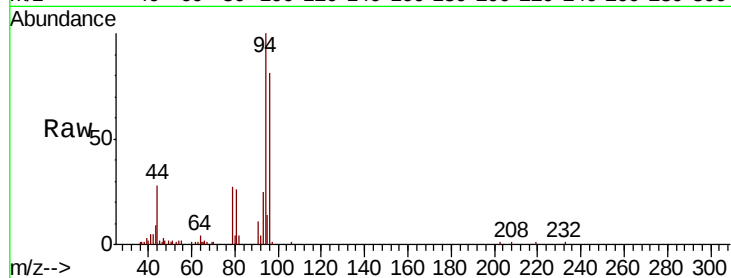
96 81.1 74.4 111.6

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#6

Chloroethane

Concen: 54.509 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061190.D

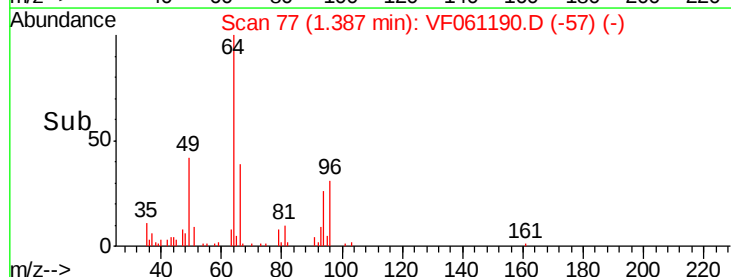
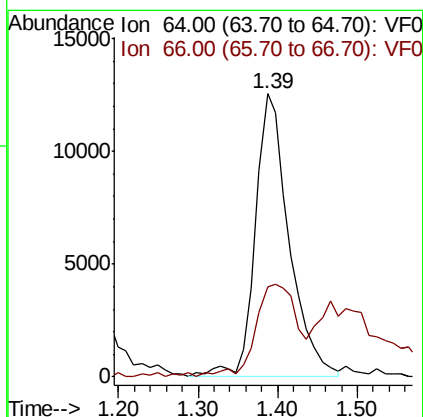
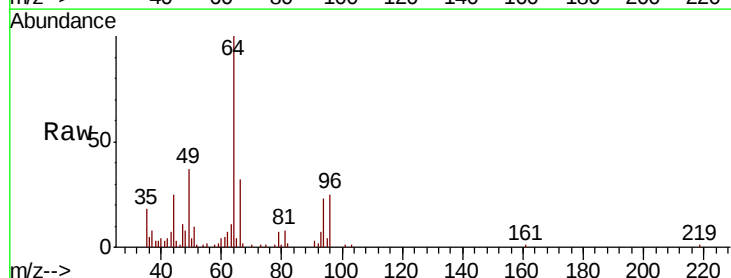
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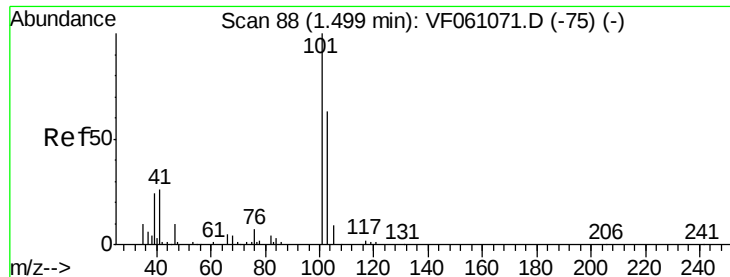
Tgt Ion: 64 Resp: 36856

Ion Ratio Lower Upper

64 100

66 32.0 30.9 46.3





#7

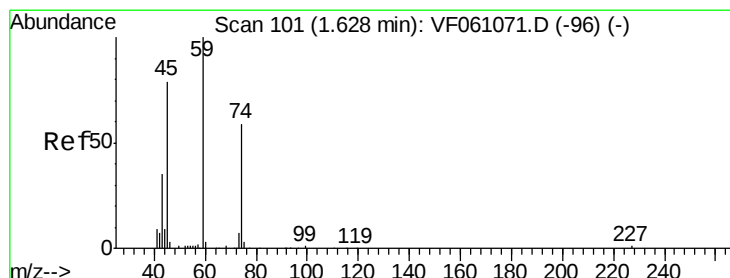
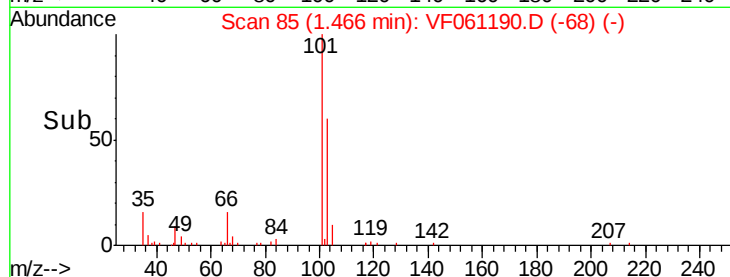
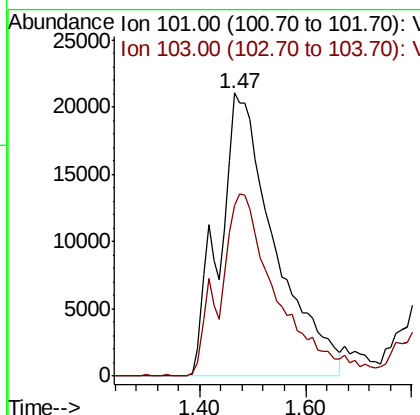
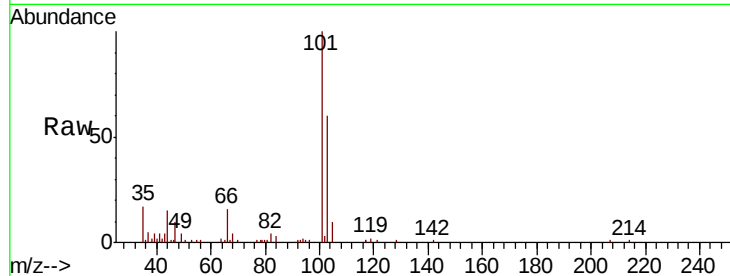
Trichlorofluoromethane
Concen: 54.790 ug/l m
RT: 1.47 min Scan# 85
Delta R.T. -0.03 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
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ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion:101 Resp: 153510
Ion Ratio Lower Upper
101 100
103 60.3 50.7 76.1

Manual Integrations
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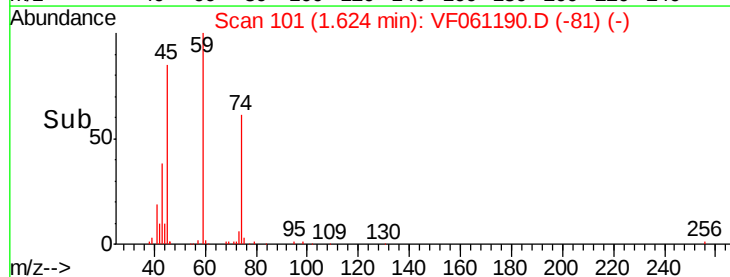
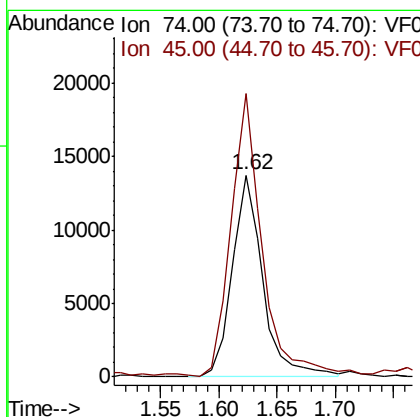
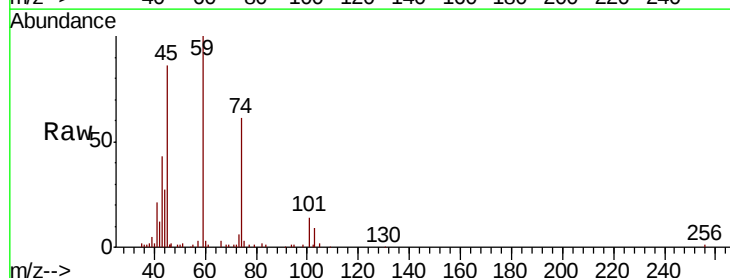
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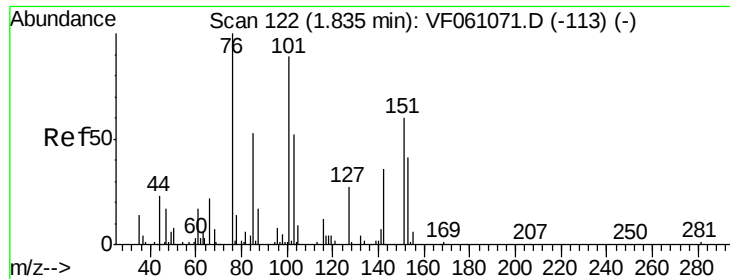


#8

Diethyl Ether
Concen: 64.789 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion: 74 Resp: 24858
Ion Ratio Lower Upper
74 100
45 140.1 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.594 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

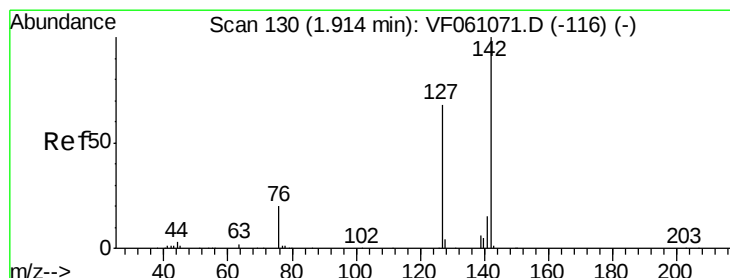
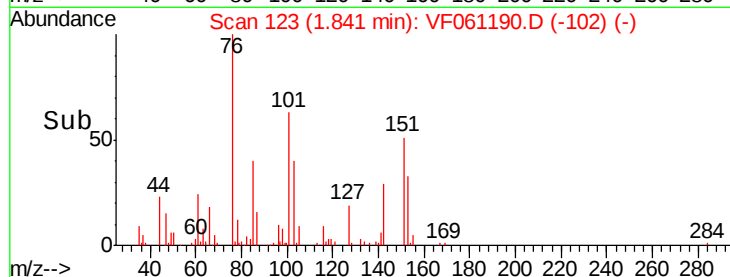
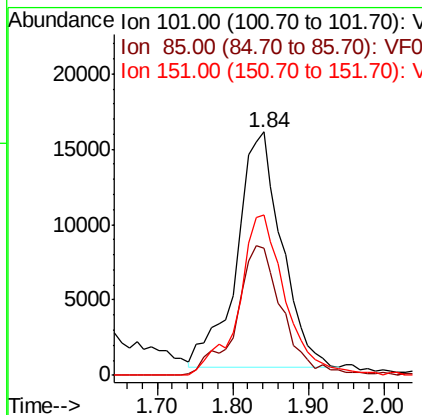
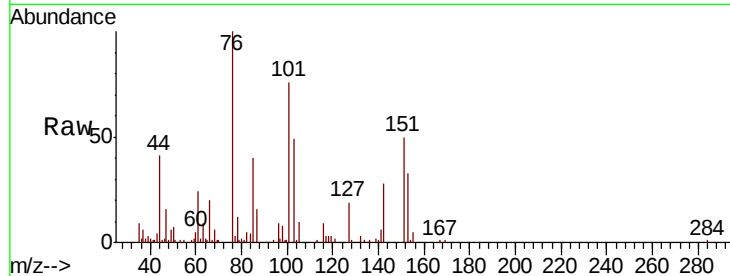
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	101	Resp:	64782
Ion Ratio	Lower	Upper	
101	100		
85	52.5	44.5	66.7
151	66.1	49.9	74.9

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#10

Methyl Iodide

Concen: 52.511 ug/l m

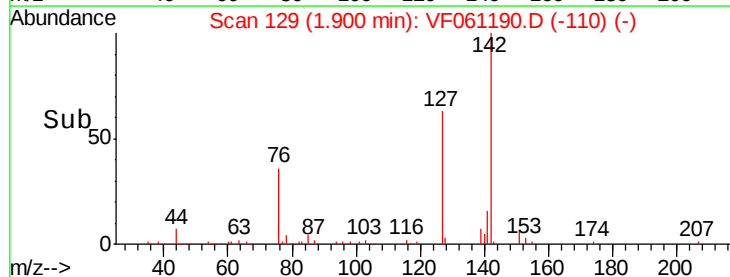
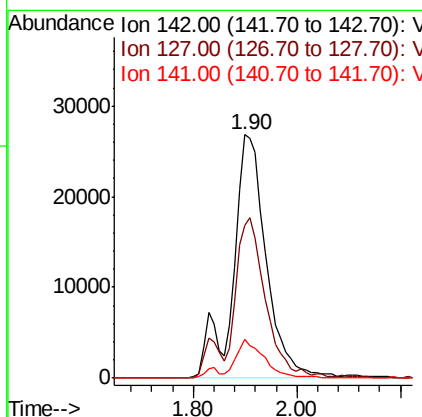
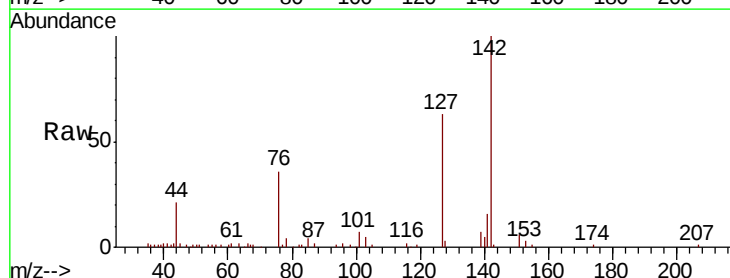
RT: 1.90 min Scan# 129

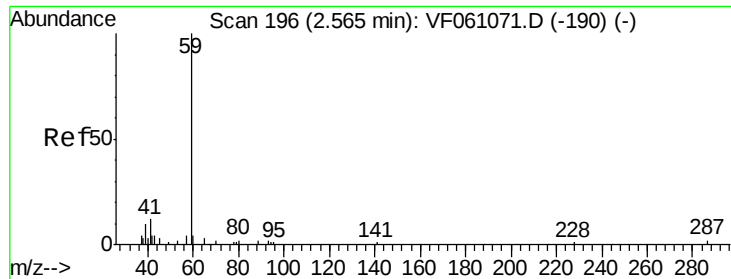
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	142	Resp:	120246
Ion Ratio	Lower	Upper	
142	100		
127	62.6	54.7	82.1
141	16.1	12.2	18.2





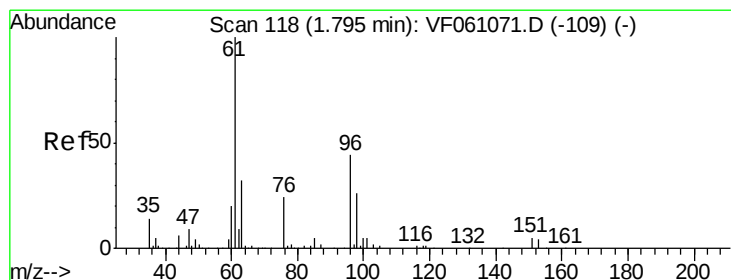
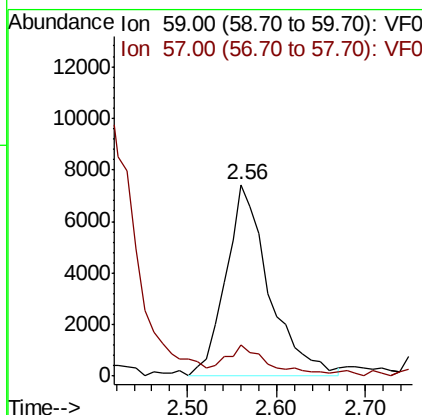
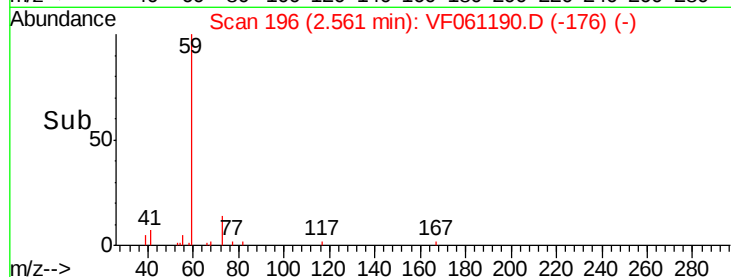
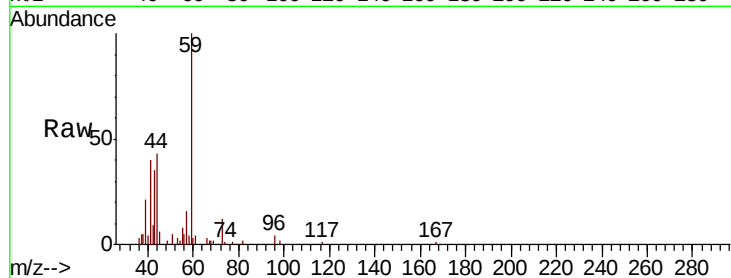
#11
Tert butyl alcohol
Concen: 391.227 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion: 59 Resp: 25225
Ion Ratio Lower Upper
59 100
57 16.3 11.5 17.3

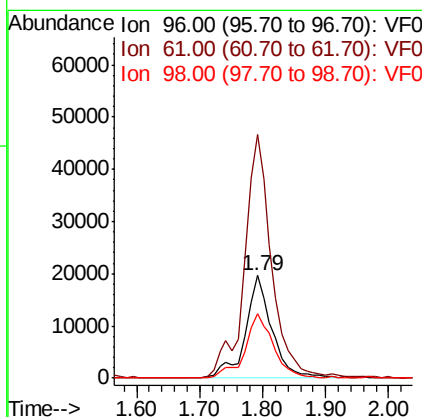
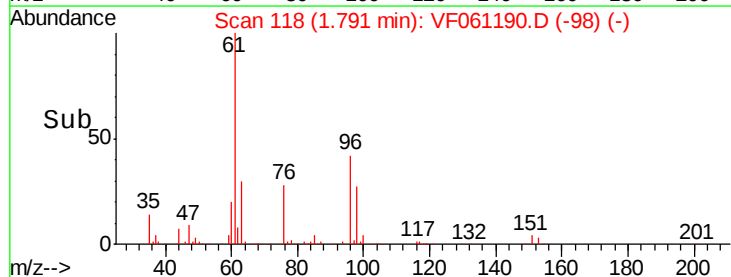
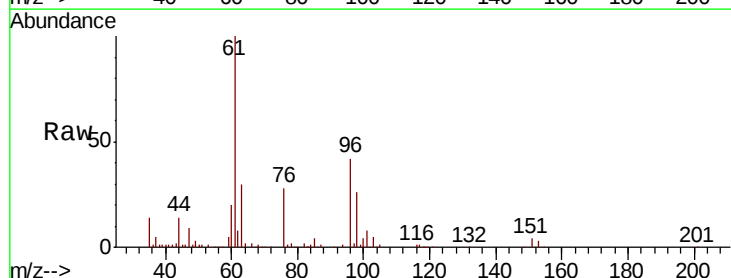
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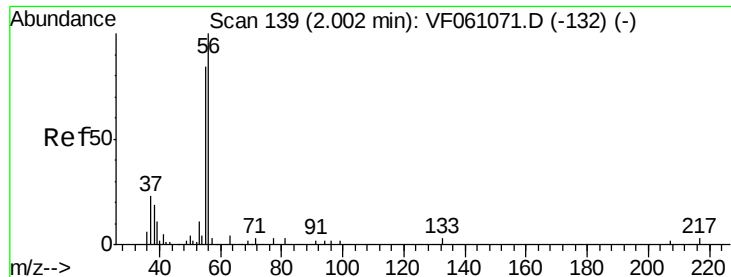
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#12
1,1-Dichloroethene
Concen: 52.973 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion: 96 Resp: 58008
Ion Ratio Lower Upper
96 100
61 237.0 182.0 273.0
98 62.6 46.5 69.7





#13

Acrolein

Concen: 4.765 ug/l m

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 56 Resp: 222

Ion Ratio Lower Upper

56 100

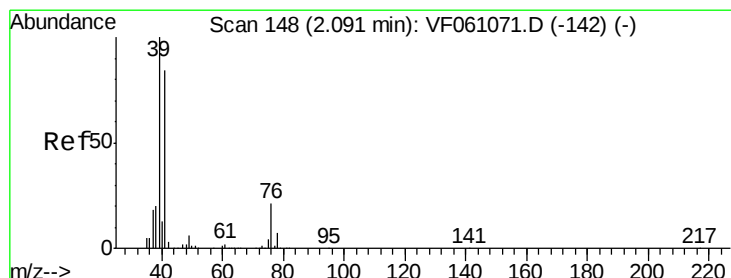
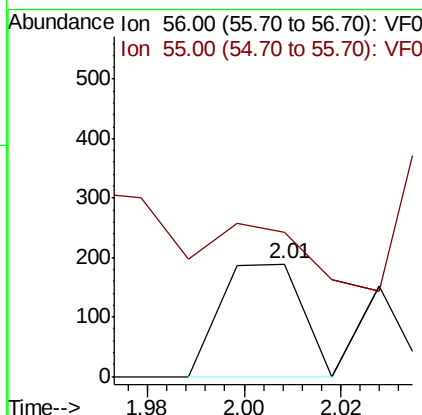
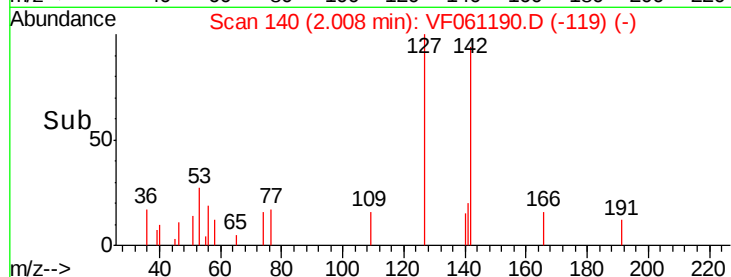
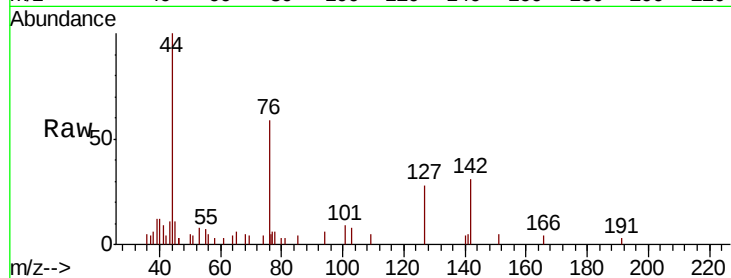
55 128.0 70.2 105.2#

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#14

Allyl chloride

Concen: 59.691 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

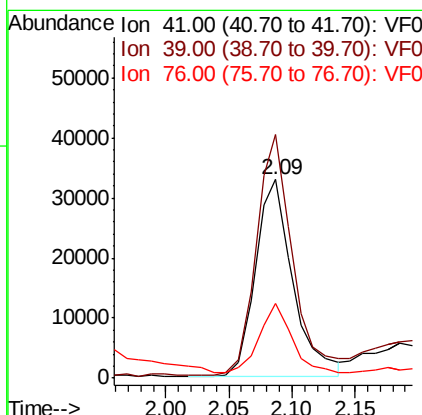
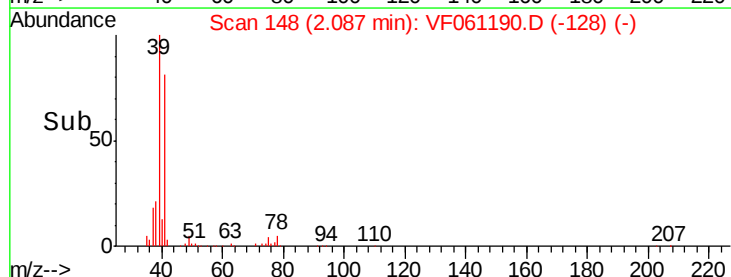
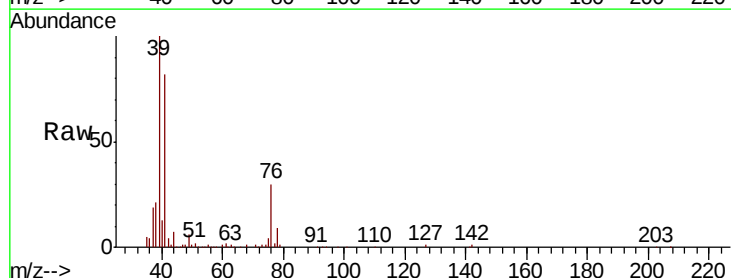
Tgt Ion: 41 Resp: 68023

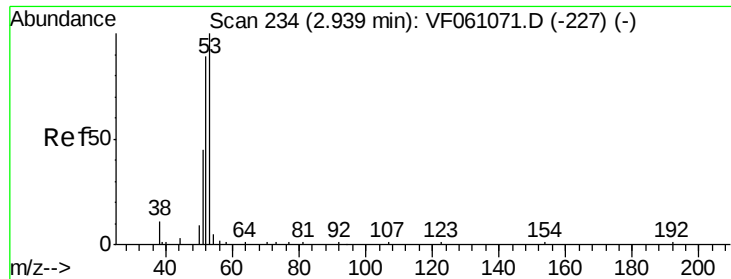
Ion Ratio Lower Upper

41 100

39 122.6 96.4 144.6

76 37.3 25.4 38.0





#15

Acrylonitrile

Concen: 341.835 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

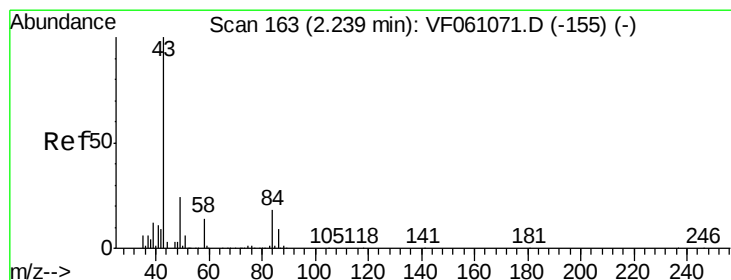
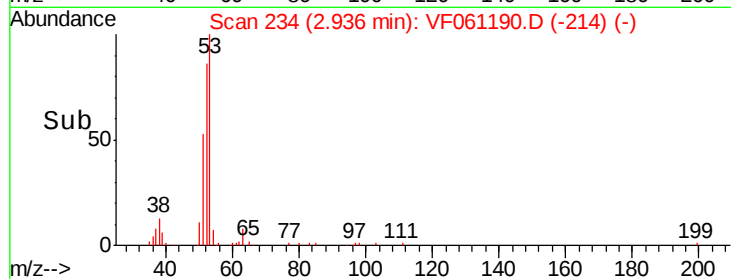
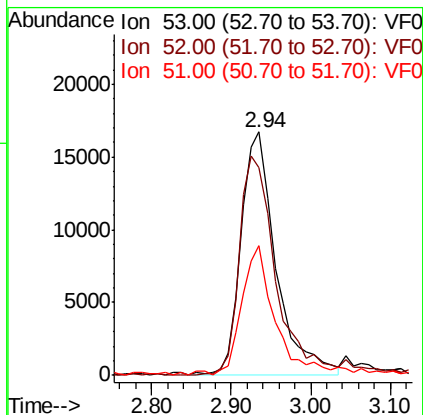
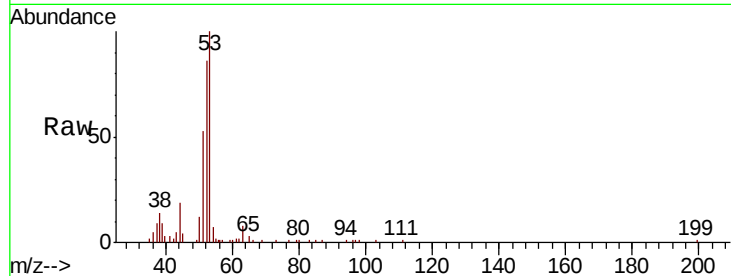
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	53	Resp:	50966
Ion	Ratio	Lower	Upper
53	100		
52	85.6	71.3	106.9
51	53.5	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 242.207 ug/l

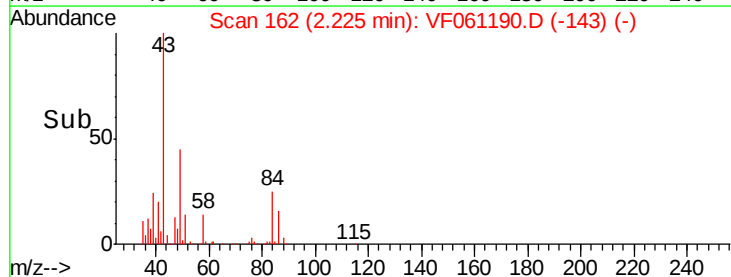
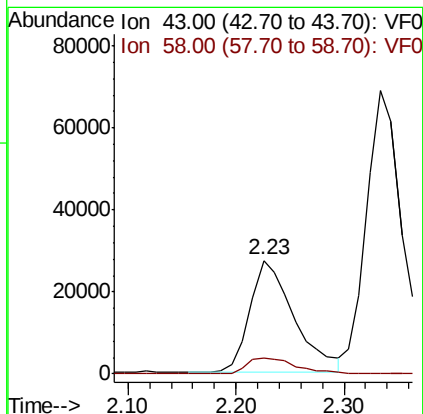
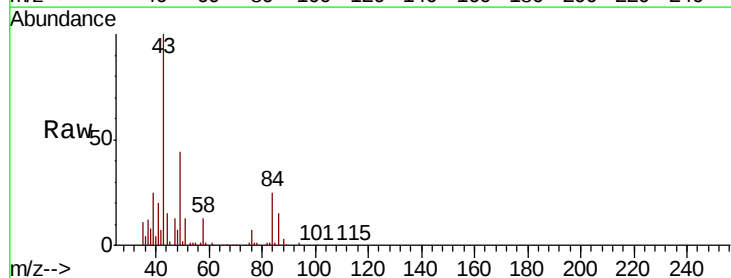
RT: 2.23 min Scan# 162

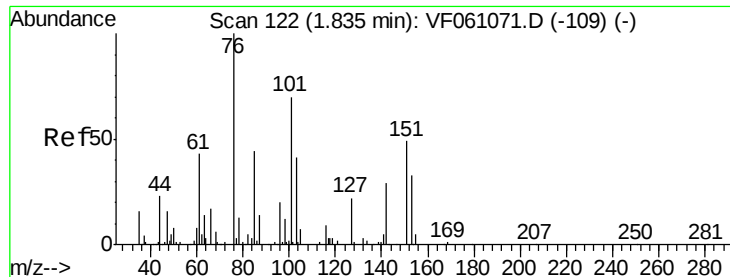
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	43	Resp:	77364
Ion	Ratio	Lower	Upper
43	100		
58	13.5	11.1	16.7





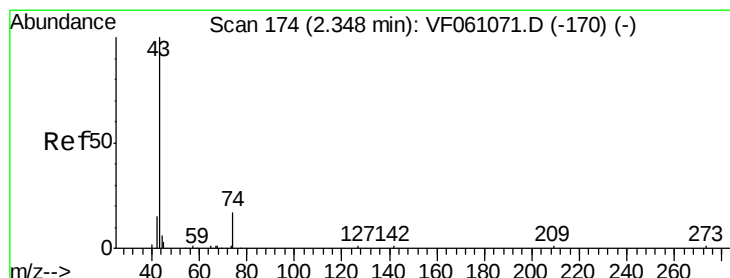
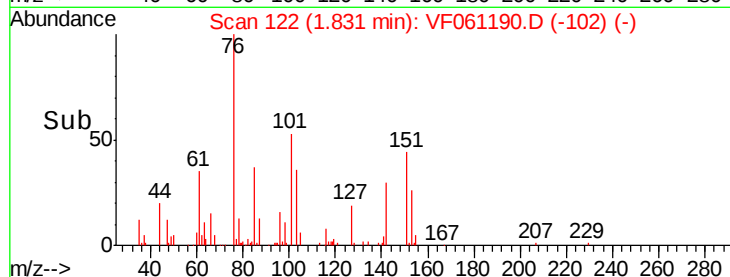
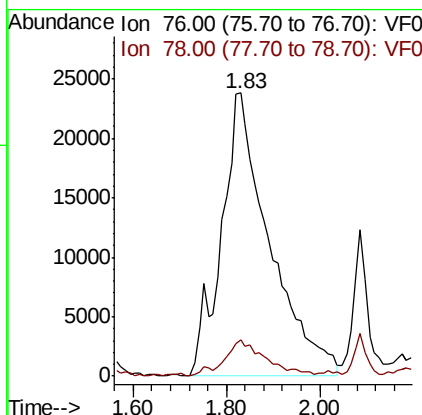
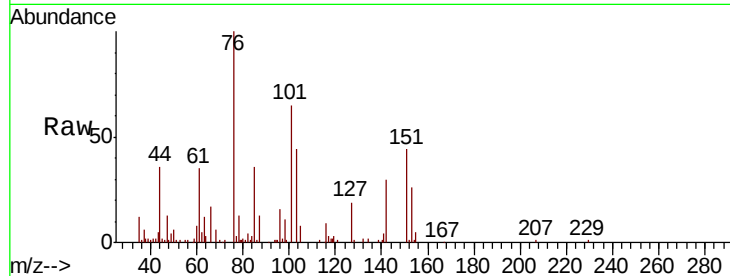
#17
Carbon Disulfide
Concen: 51.528 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion: 76 Resp: 170523
Ion Ratio Lower Upper
76 100
78 12.6 10.2 15.4

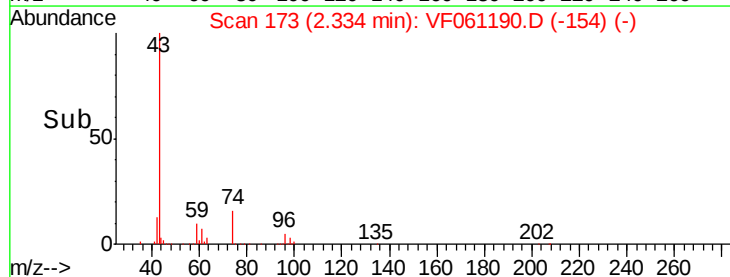
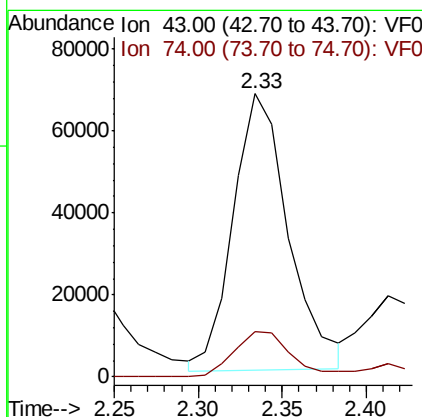
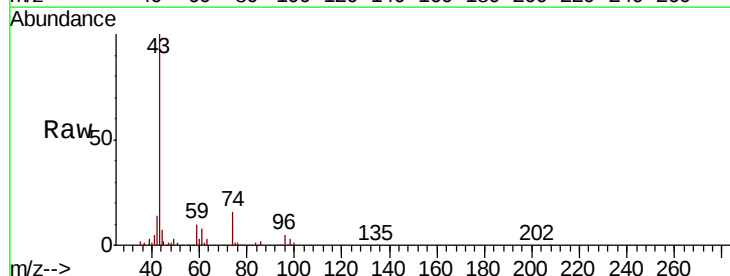
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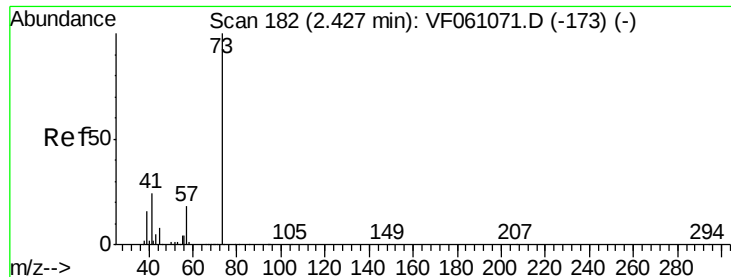
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#18
Methyl Acetate
Concen: 233.798 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion: 43 Resp: 154502
Ion Ratio Lower Upper
43 100
74 16.0 11.0 16.6





#19

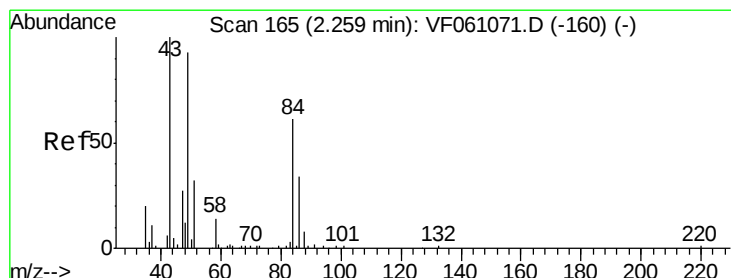
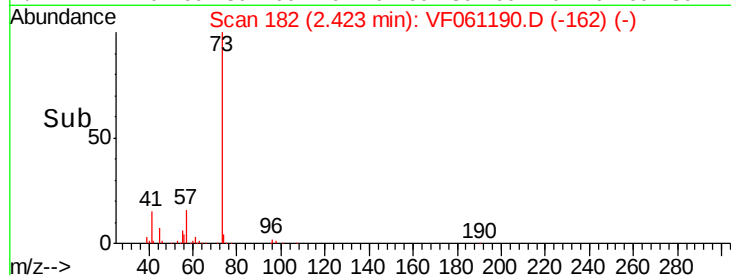
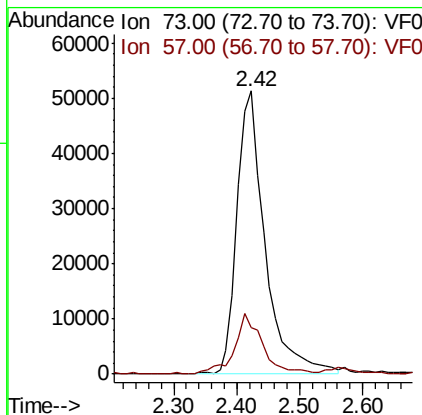
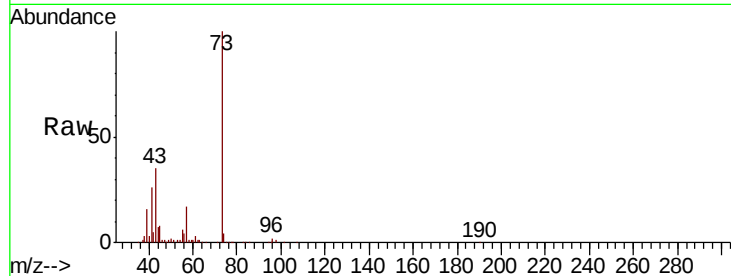
Methyl tert-butyl Ether
 Concen: 65.171 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.6	14.5	21.7

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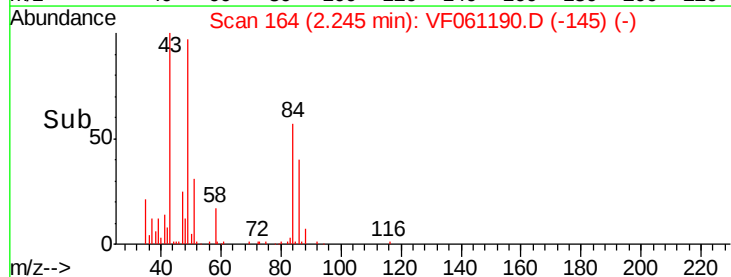
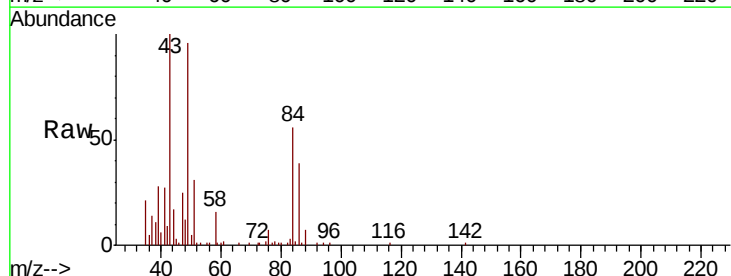
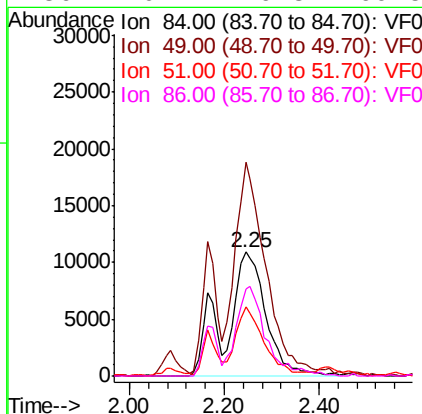
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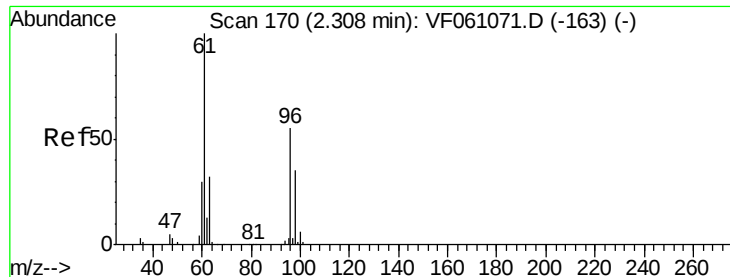


#20

Methylene Chloride
 Concen: 64.869 ug/l m
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	172.6	129.4	194.2
51	55.5	44.0	66.0
86	70.2	46.3	69.5#





#21

trans-1,2-Dichloroethene

Concen: 52.629 ug/l m

RT: 2.29 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

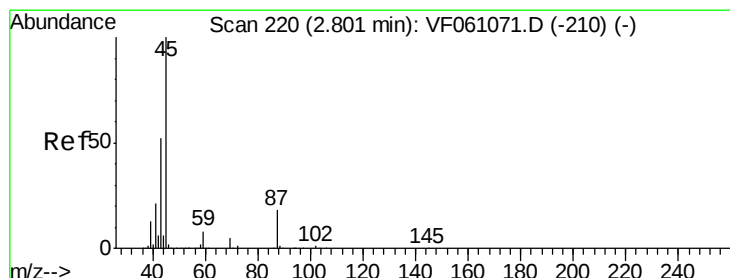
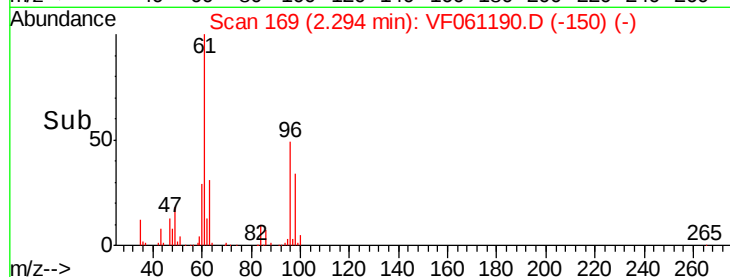
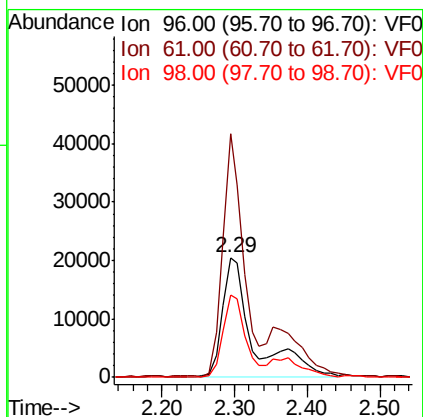
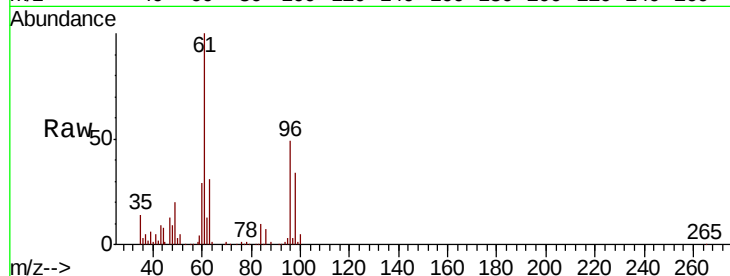
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	96	Resp:	61641
Ion	Ratio	Lower	Upper
96	100		
61	203.0	146.0	219.0
98	68.9	51.6	77.4

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#22

Diisopropyl ether

Concen: 62.761 ug/l

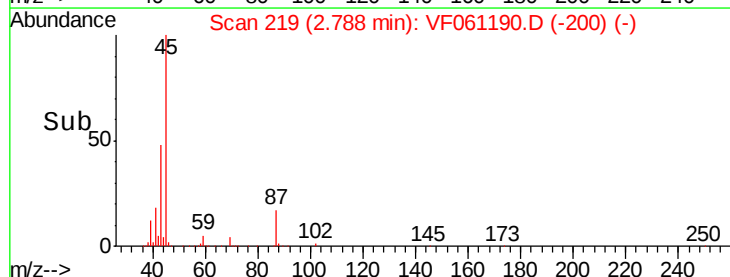
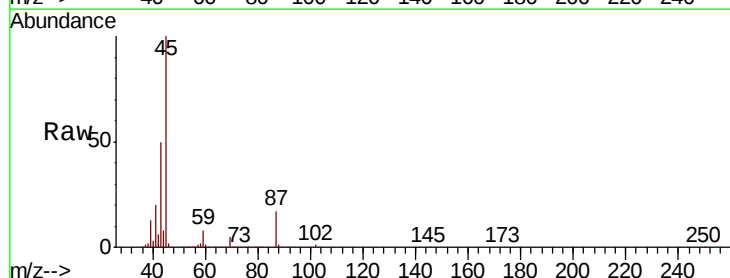
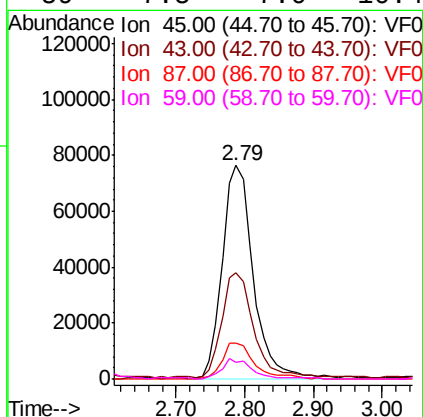
RT: 2.79 min Scan# 219

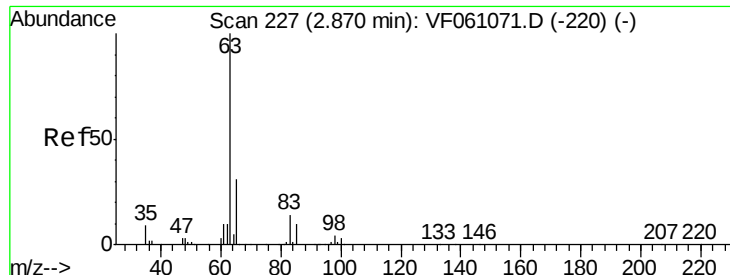
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	45	Resp:	238241
Ion	Ratio	Lower	Upper
45	100		
43	49.6	42.2	63.2
87	17.0	14.6	22.0
59	7.5	7.0	10.4





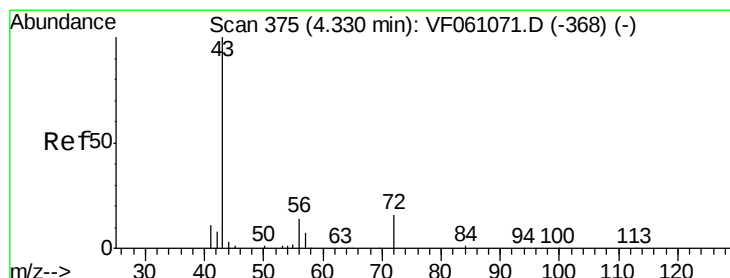
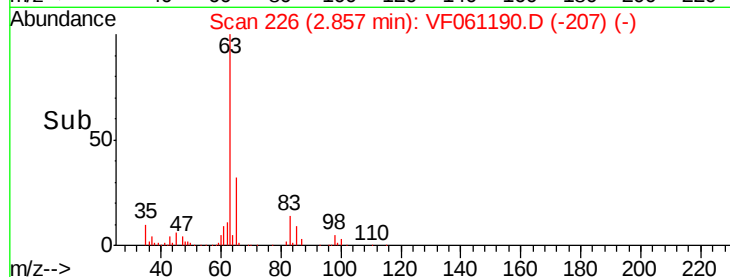
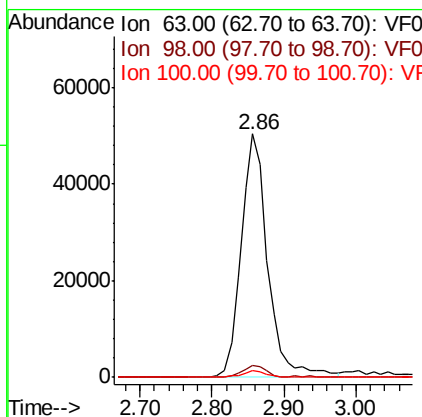
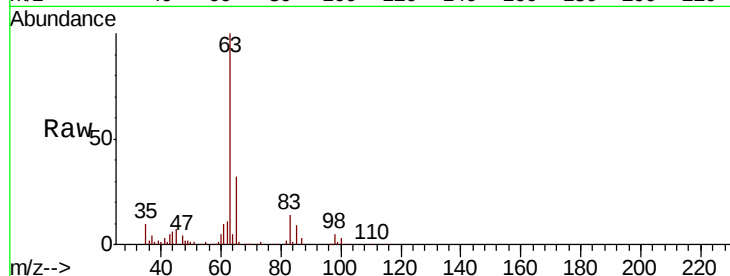
#24
 1,1-Dichloroethane
 Concen: 57.920 ug/l
 RT: 2.86 min Scan# 226
 Delta R.T. -0.01 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MSD

Tot Ion:	63	Resp:	130268
Ion Ratio	Lower	Upper	
63	100		
98	4.9	2.1	6.5
100	3.1	1.7	5.1

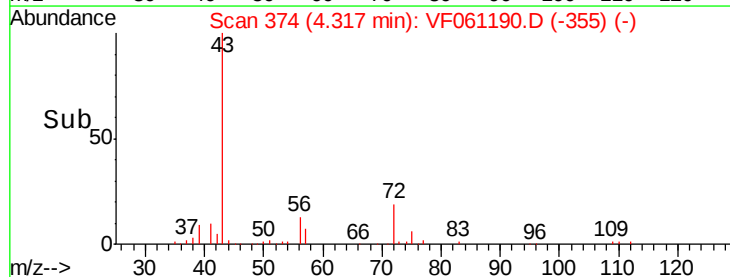
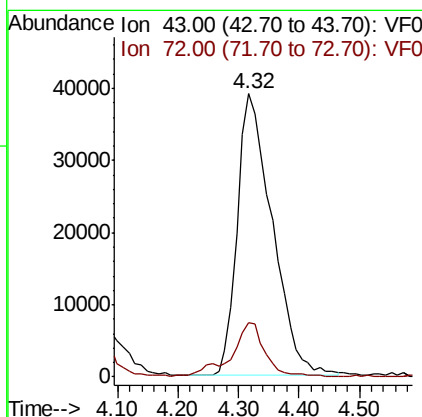
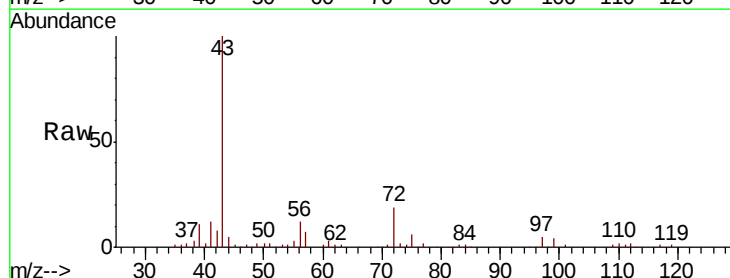
Manual Integrations
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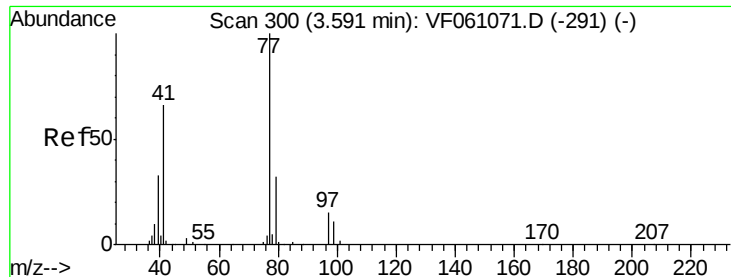
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#25
 2-Butanone
 Concen: 302.404 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. -0.01 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Tgt Ion:	43	Resp:	156653
Ion Ratio	Lower	Upper	
43	100		
72	19.3	15.6	23.4





#26

2,2-Dichloropropane

Concen: 57.361 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 77 Resp: 74037

Ion Ratio Lower Upper

77 100

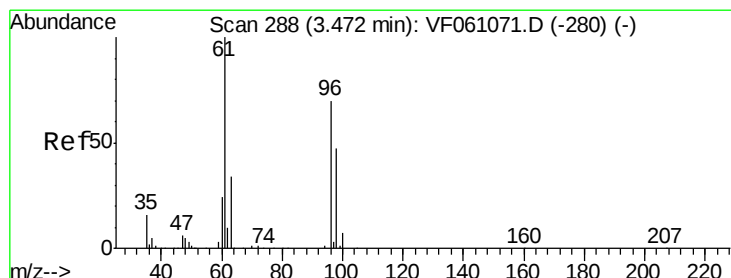
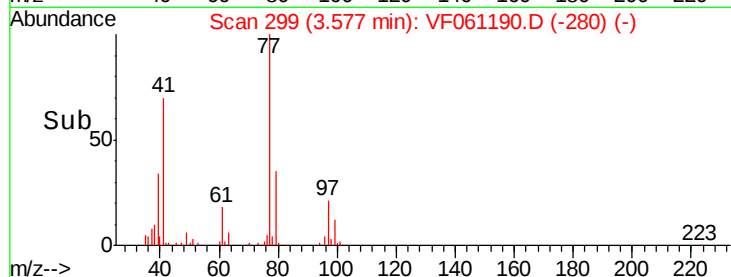
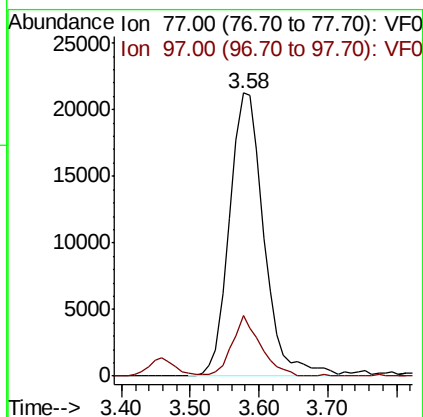
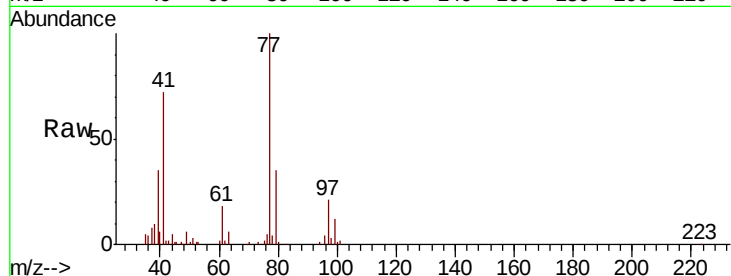
97 21.5 8.2 24.4

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#27

cis-1,2-Dichloroethene

Concen: 53.306 ug/l

RT: 3.46 min Scan# 287

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

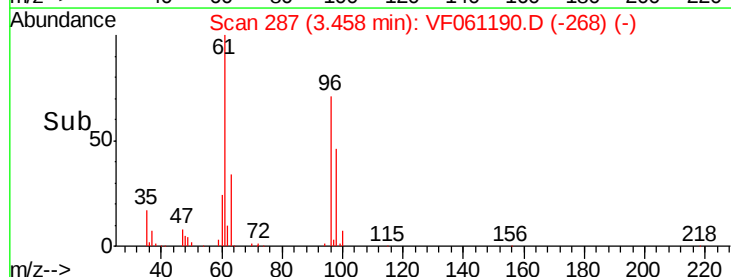
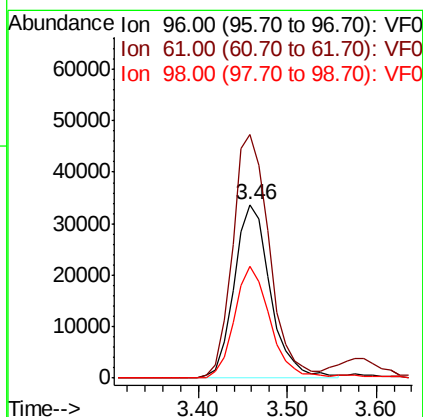
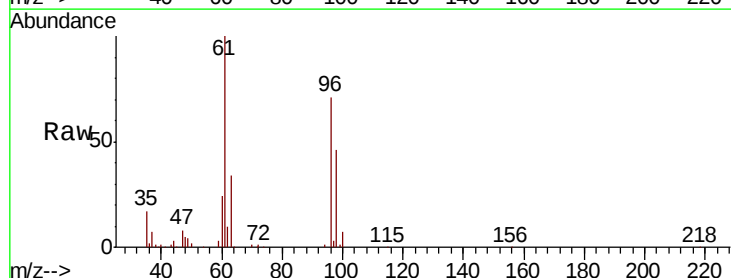
Tgt Ion: 96 Resp: 95580

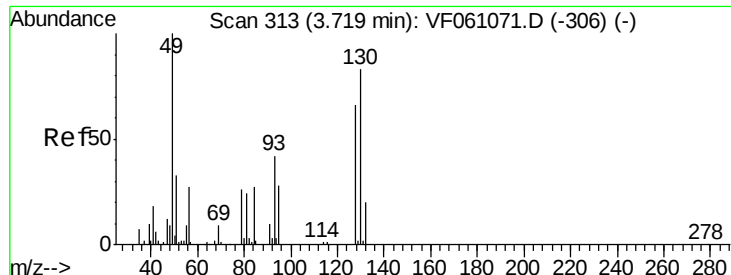
Ion Ratio Lower Upper

96 100

61 140.4 0.0 287.8

98 64.7 0.0 134.2





#28

Bromochloromethane

Concen: 68.253 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

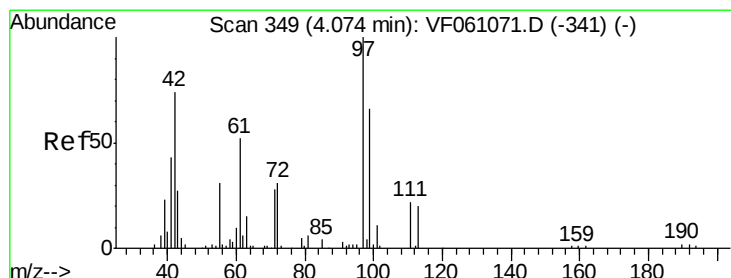
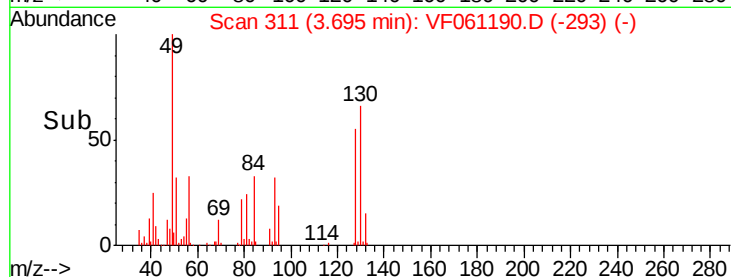
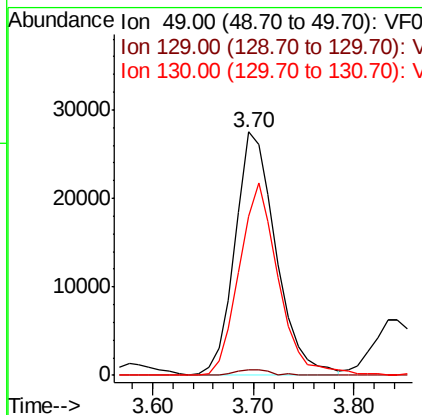
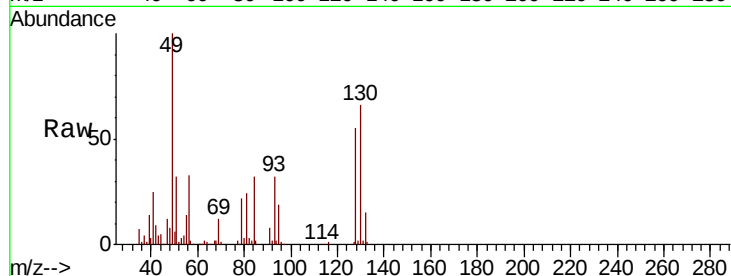
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.6
130	65.5	65.8	98.6

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#29

Tetrahydrofuran

Concen: 357.993 ug/l

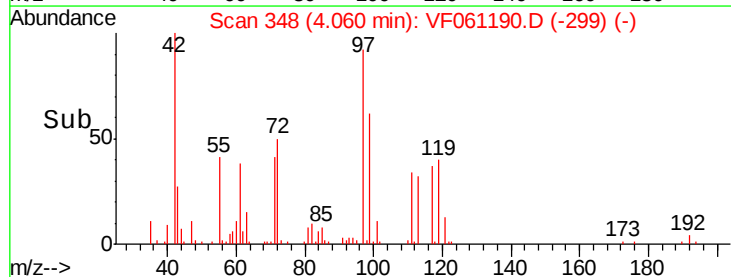
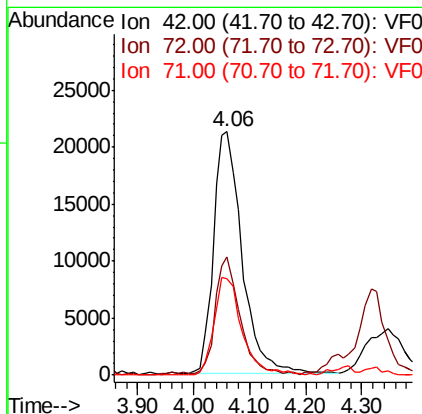
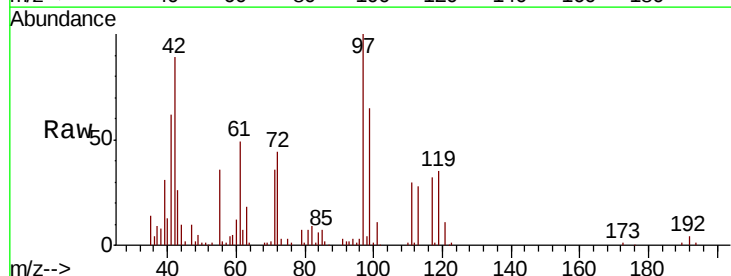
RT: 4.06 min Scan# 348

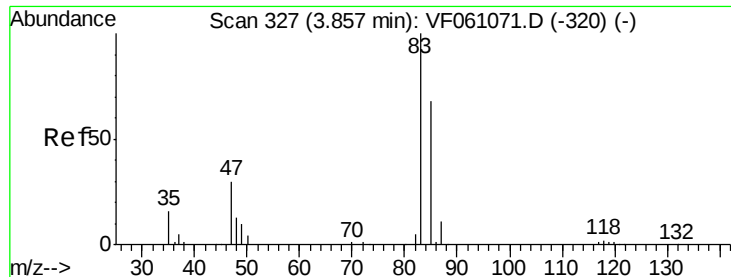
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.9	31.8	47.8
71	39.4	29.7	44.5





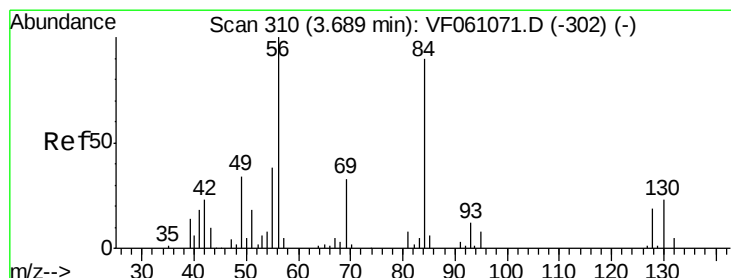
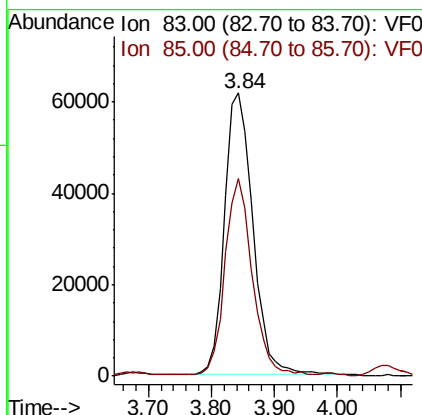
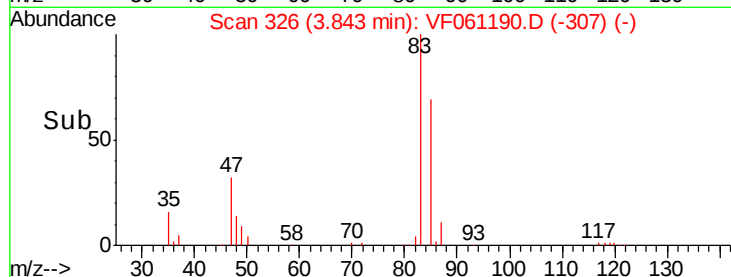
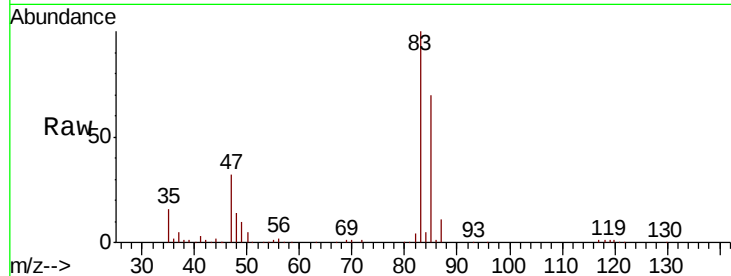
#30
Chloroform
Concen: 56.801 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion: 83 Resp: 191555
Ion Ratio Lower Upper
83 100
85 69.6 54.5 81.7

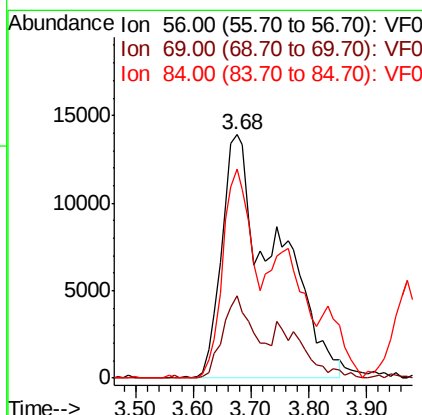
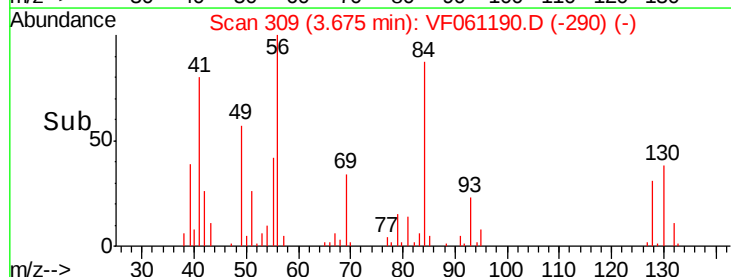
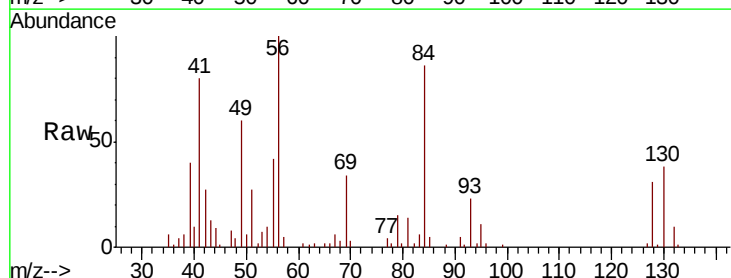
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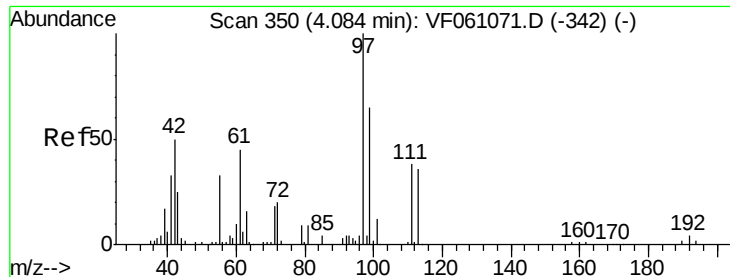
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#31
Cyclohexane
Concen: 38.850 ug/l m
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion: 56 Resp: 90670
Ion Ratio Lower Upper
56 100
69 33.9 26.0 39.0
84 85.8 71.4 107.2





#32

1,1,1-Trichloroethane

Concen: 51.704 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

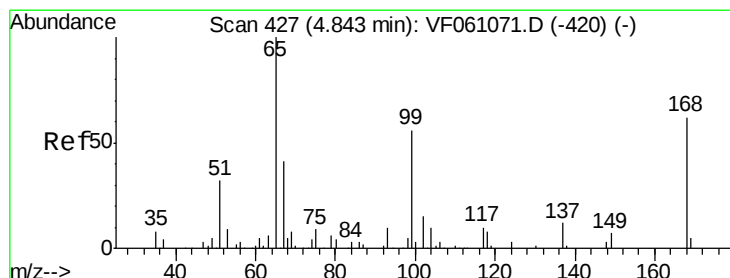
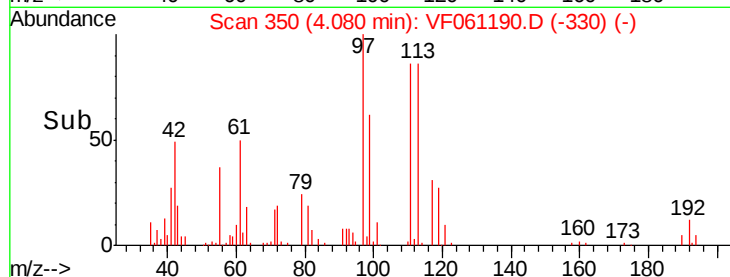
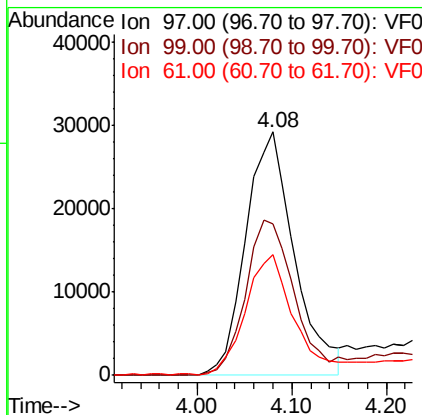
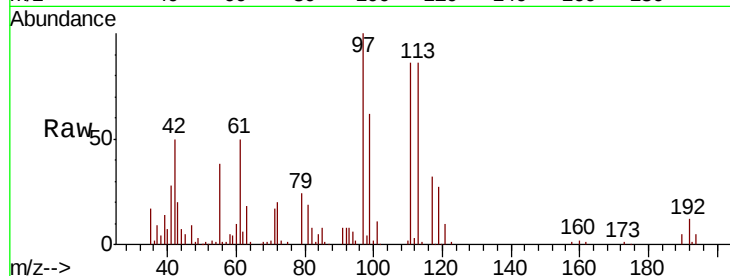
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	97	Resp:	104512
Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.6	77.4
61	49.6	36.2	54.2

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#33

1,2-Dichloroethane-d4

Concen: 63.530 ug/l

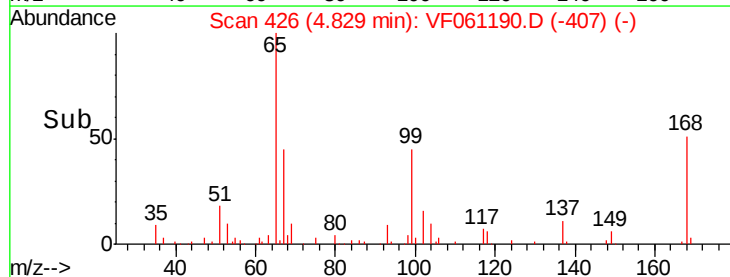
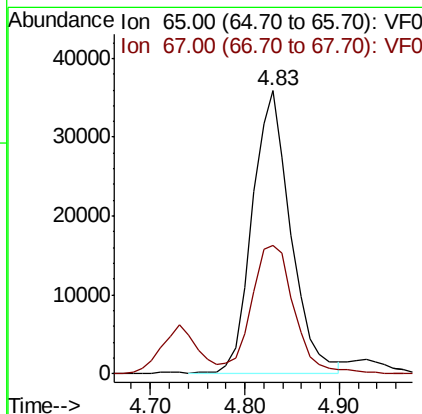
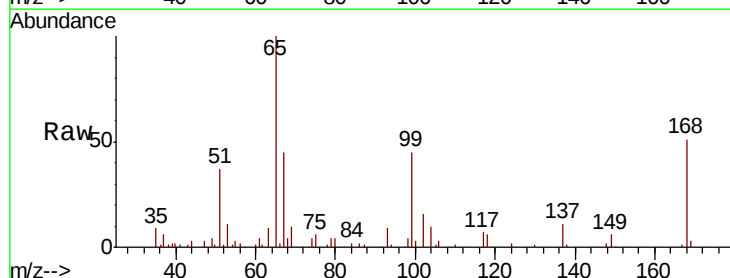
RT: 4.83 min Scan# 426

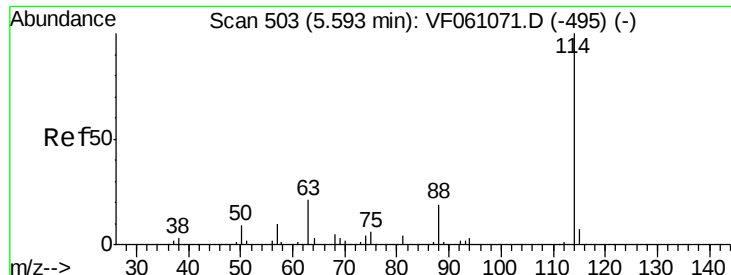
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	65	Resp:	101507
Ion	Ratio	Lower	Upper
65	100		
67	45.3	0.0	94.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

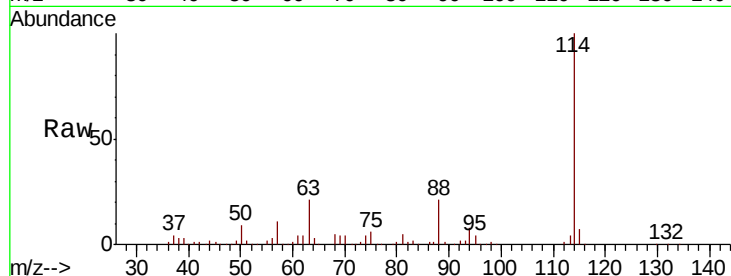
ClientSampleId :

P001-SS025-1218-01MSD

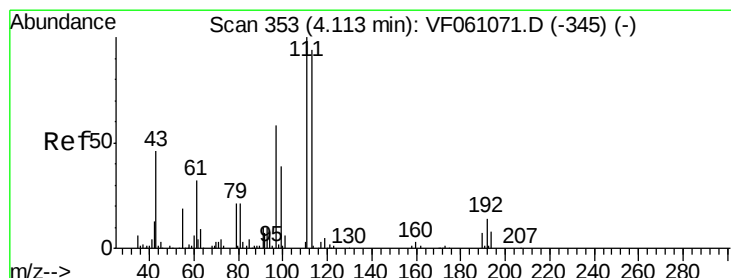
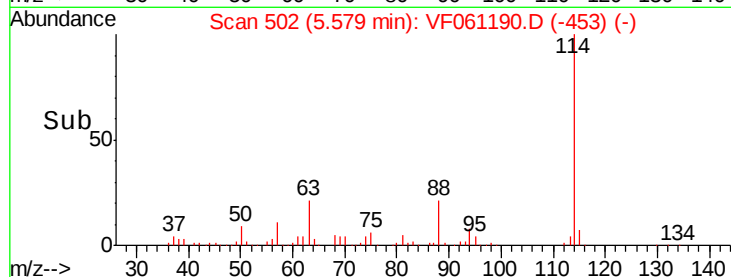
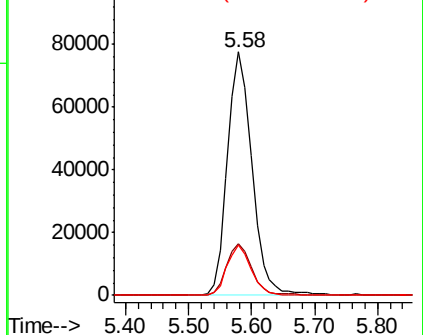
Tot Ion:	114	Resp:	209935
Ion Ratio		Lower	Upper
114	100		
63	21.0	0.0	41.6
88	20.6	0.0	38.0

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Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 60.654 ug/l

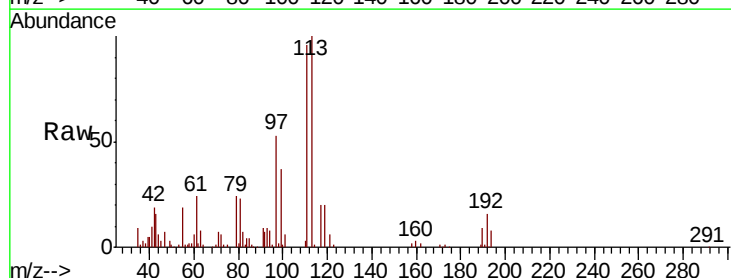
RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

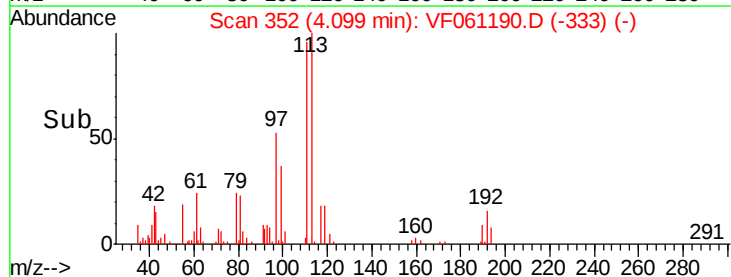
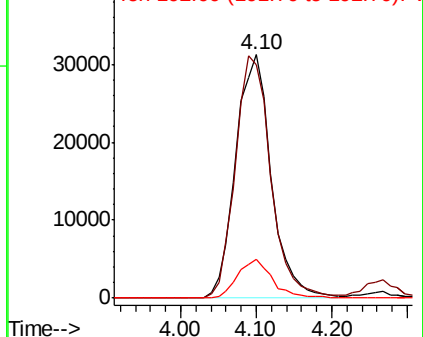
Lab File: VF061190.D

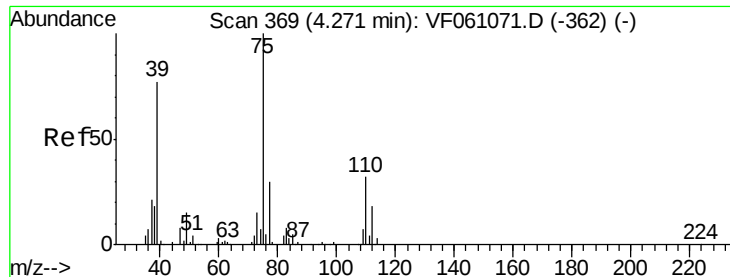
Acq: 26 Dec 2018 16:06

Tgt Ion:	113	Resp:	102001
Ion Ratio		Lower	Upper
113	100		
111	96.0	85.2	127.8
192	16.4	12.8	19.2



Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 47.699 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

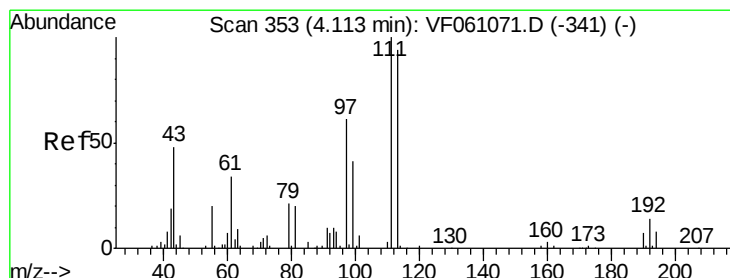
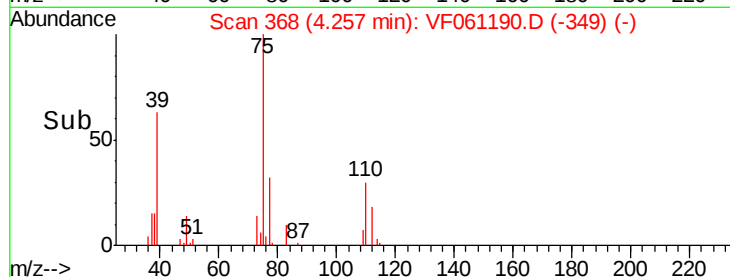
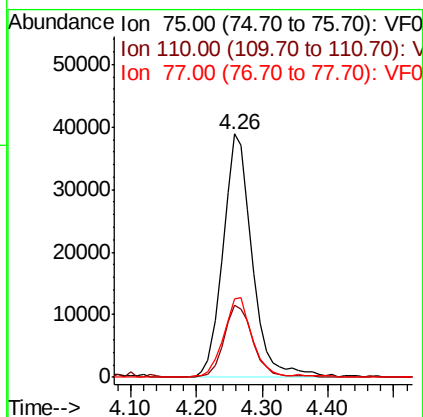
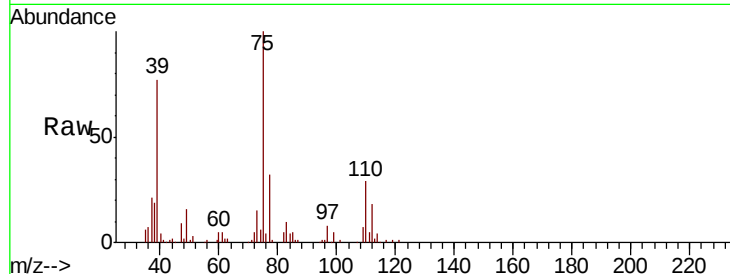
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	75	Resp:	120871
Ion Ratio	Lower	Upper	
75	100		
110	29.5	16.1	48.2
77	32.1	24.5	36.7

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#37

Ethyl Acetate

Concen: 29.728 ug/l

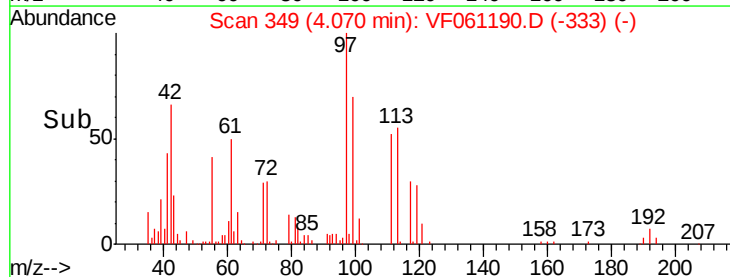
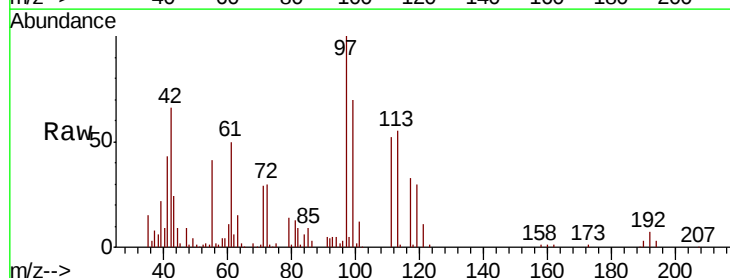
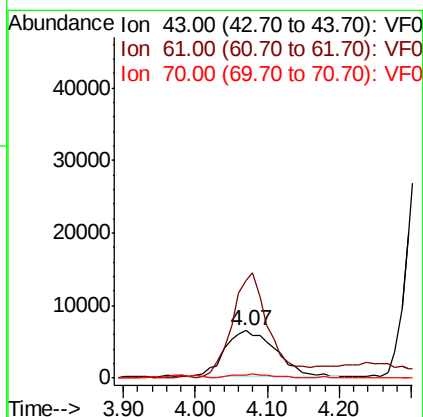
RT: 4.07 min Scan# 349

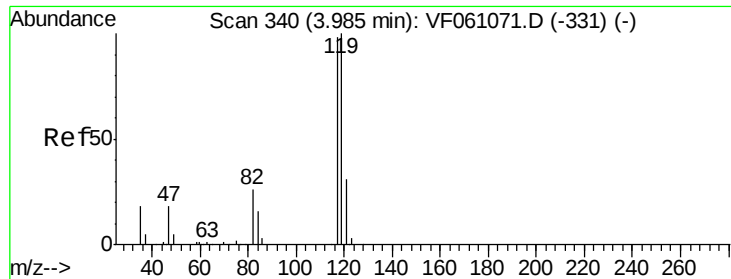
Delta R.T. -0.04 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	43	Resp:	31420
Ion Ratio	Lower	Upper	
43	100		
61	205.3	56.6	84.8#
70	5.0	6.3	9.5#





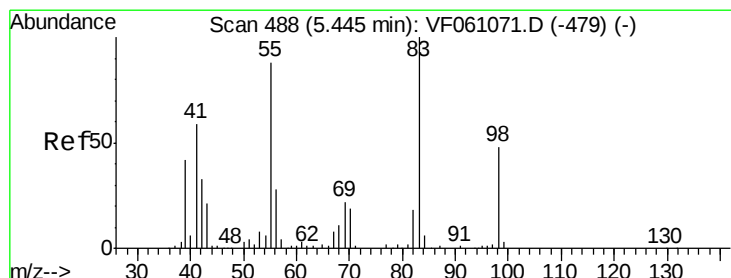
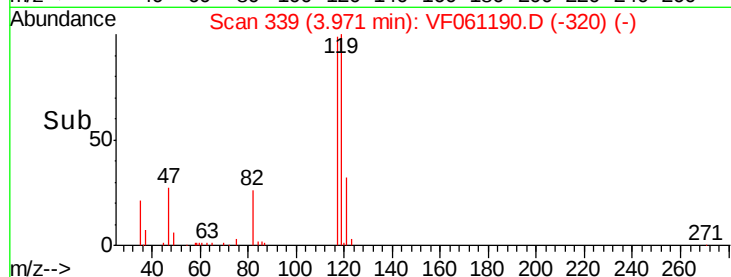
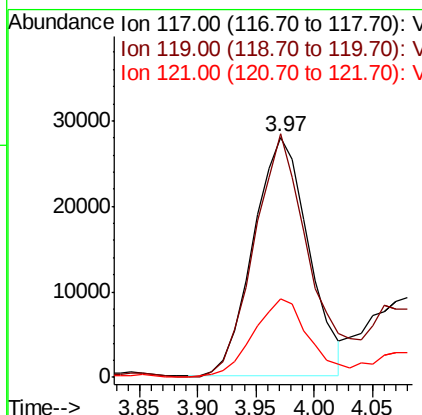
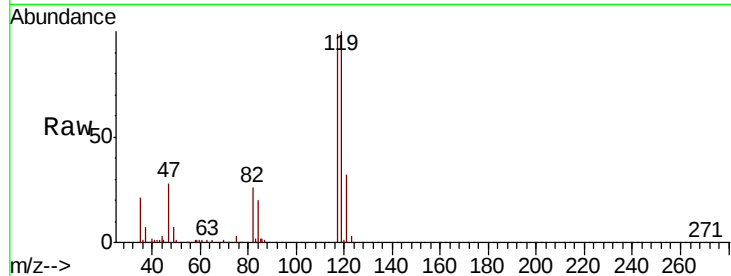
#38
Carbon Tetrachloride
Concen: 47.449 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.4	82.1	123.1
121	32.6	25.5	38.3

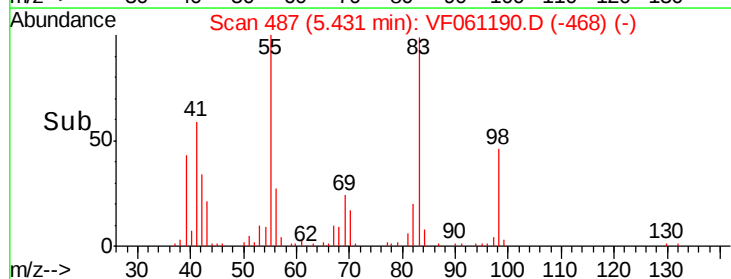
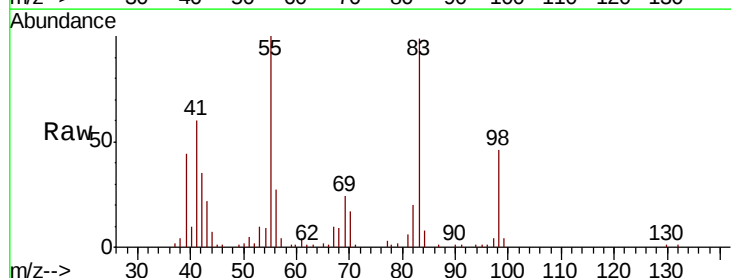
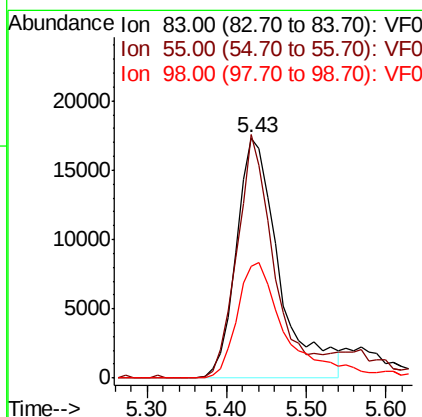
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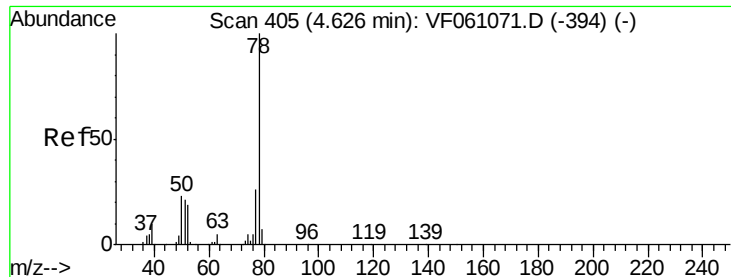
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#39
Methylcyclohexane
Concen: 28.528 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
55	101.5	70.6	105.8
98	46.8	38.5	57.7





#40

Benzene

Concen: 52.961 ug/l

RT: 4.61 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 78 Resp: 288613

Ion Ratio Lower Upper

78 100

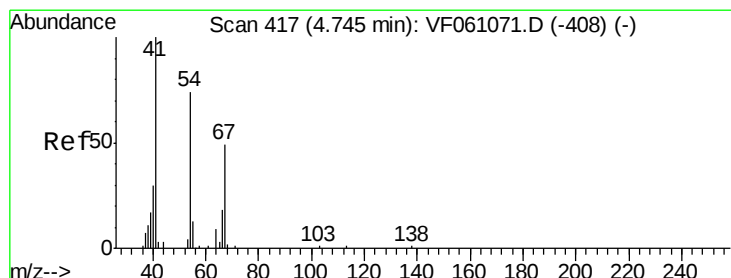
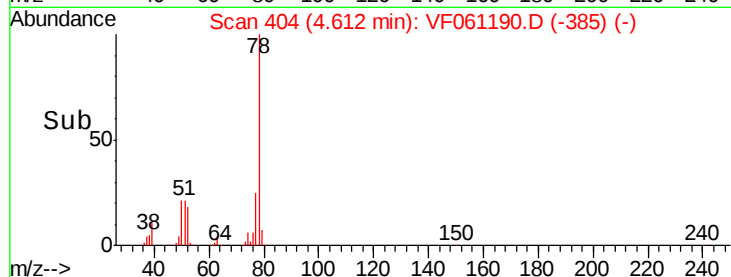
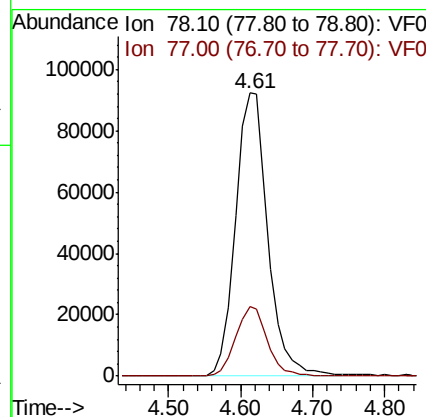
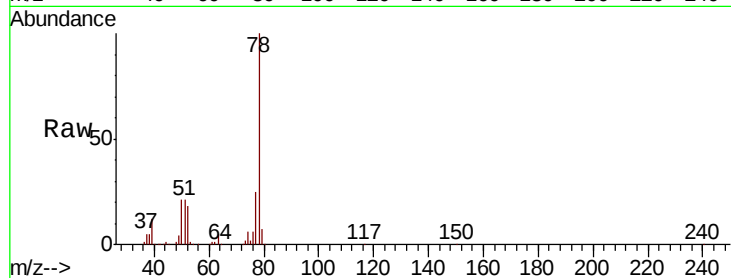
77 24.7 20.7 31.1

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#41

Methacrylonitrile

Concen: 63.272 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion: 41 Resp: 33861

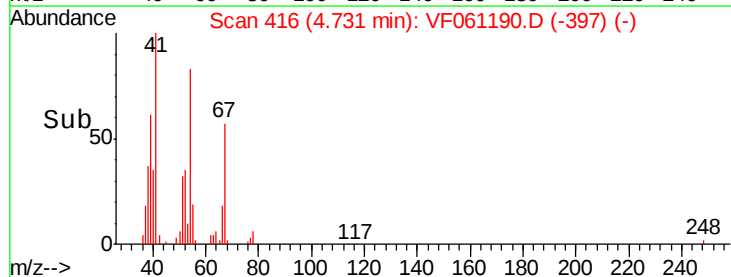
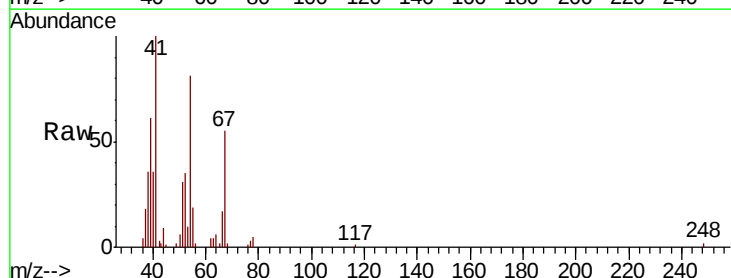
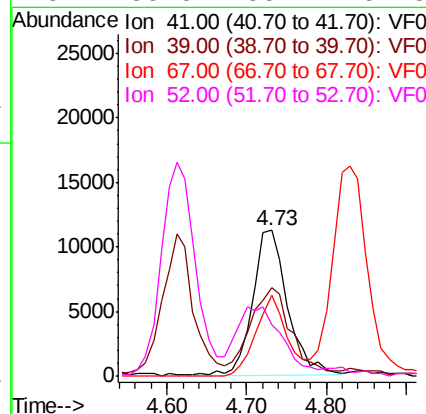
Ion Ratio Lower Upper

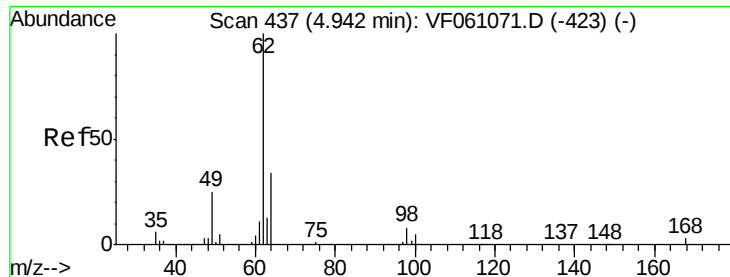
41 100

39 61.2 45.7 68.5

67 55.5 38.9 58.3

52 35.3 35.2 52.8





#42

1,2-Dichloroethane

Concen: 63.829 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

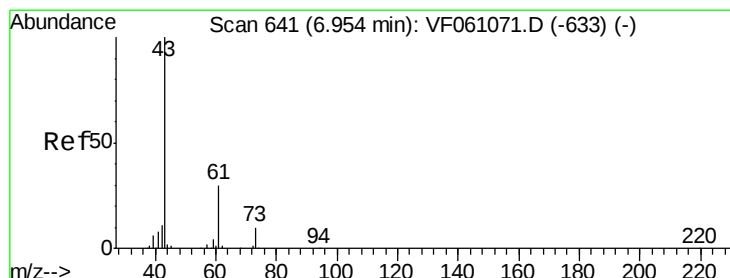
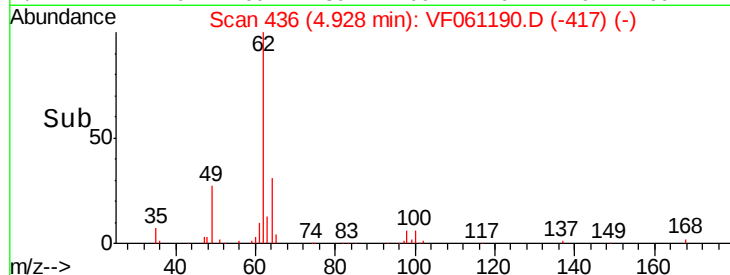
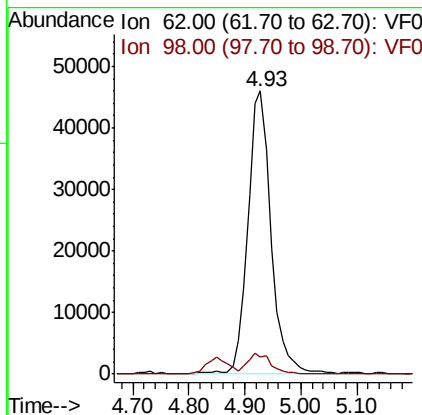
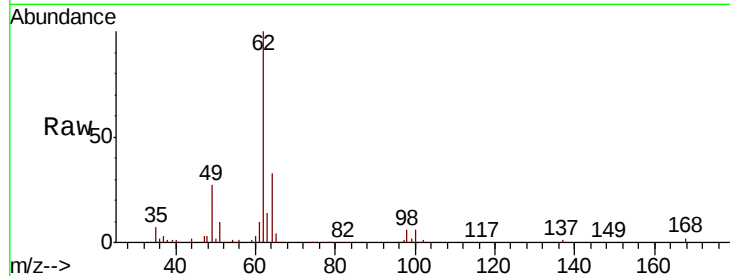
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	62	Resp:	132137
Ion Ratio	Lower	Upper	
62	100		
98	6.3	0.0	16.6

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#43

Isopropyl Acetate

Concen: 10.026 ug/l

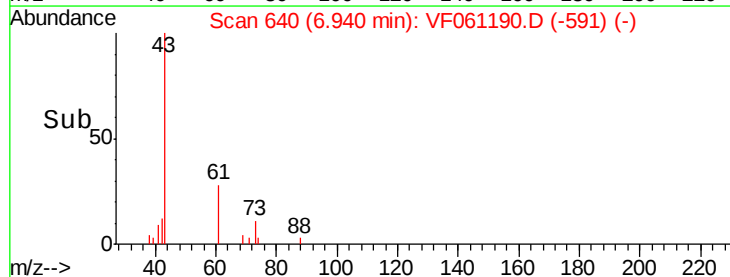
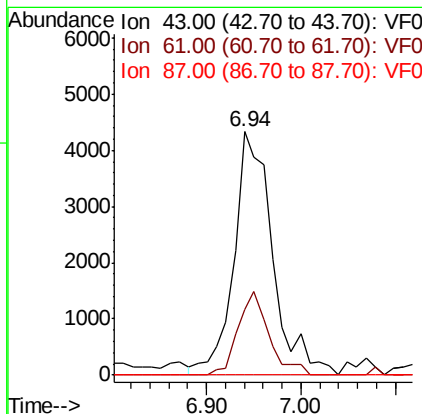
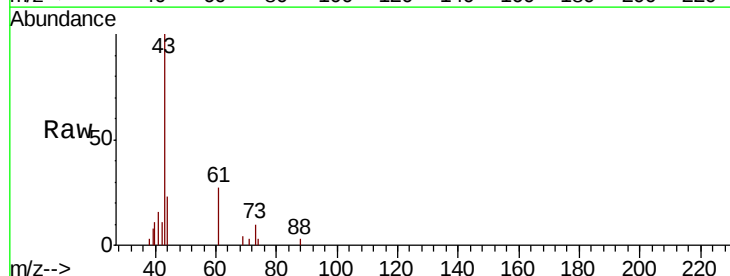
RT: 6.94 min Scan# 640

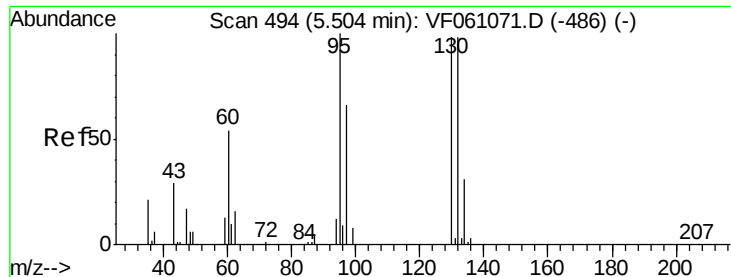
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	43	Resp:	12268
Ion Ratio	Lower	Upper	
43	100		
61	26.8	23.8	35.8
87	0.0	0.0	0.0





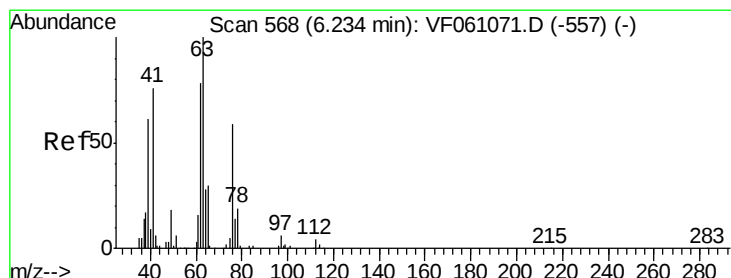
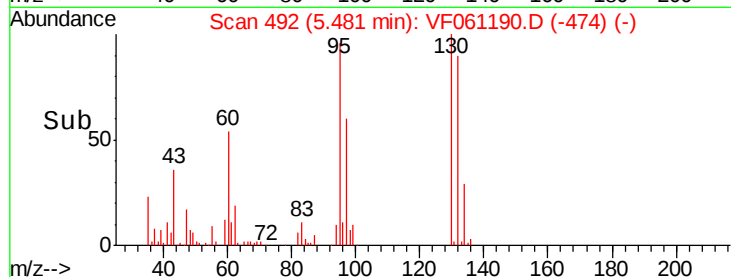
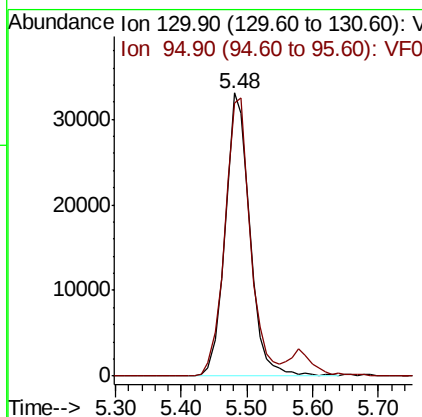
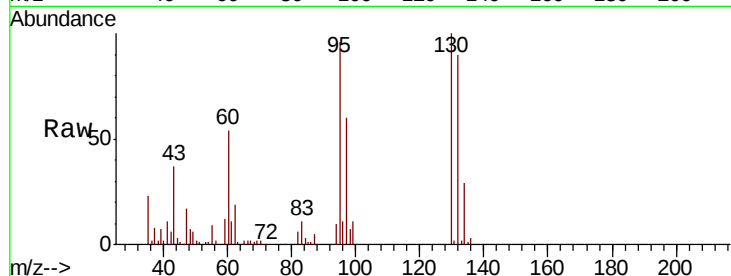
#44
 Trichloroethene
 Concen: 50.483 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MSD

Tot Ion:130 Resp: 86734
 Ion Ratio Lower Upper
 130 100
 95 96.3 0.0 205.2

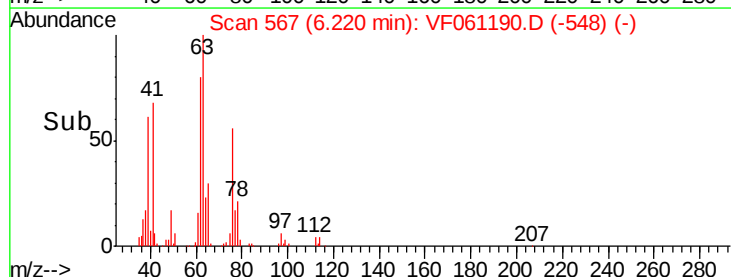
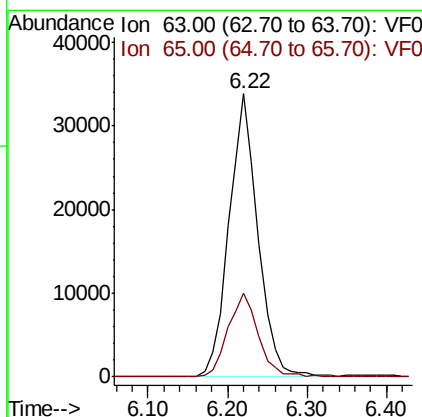
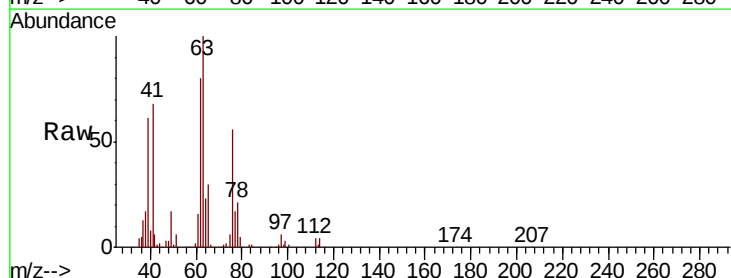
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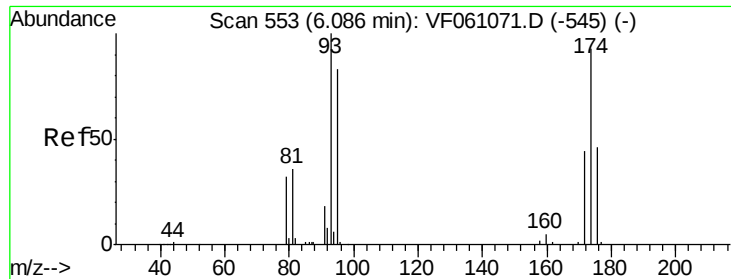
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#45
 1,2-Dichloropropane
 Concen: 57.828 ug/l
 RT: 6.22 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Tgt Ion: 63 Resp: 85738
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.4 36.6





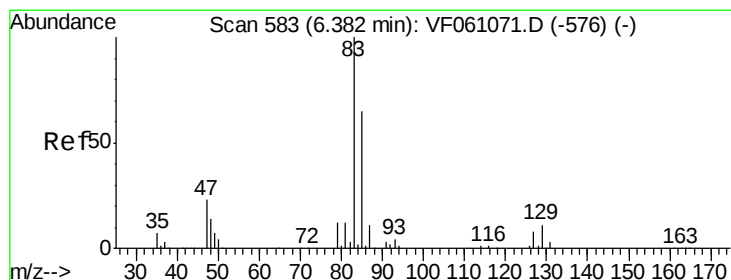
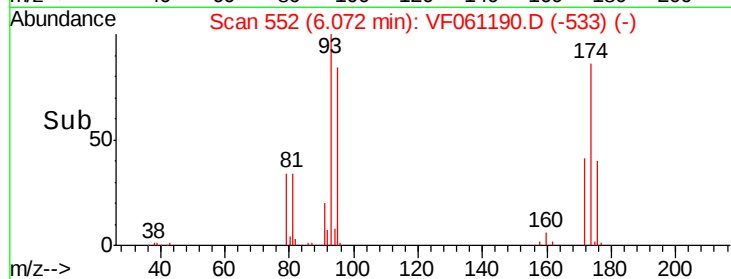
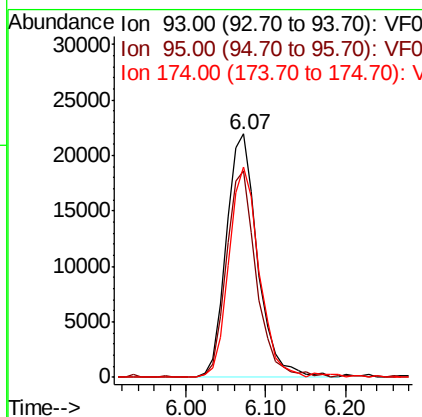
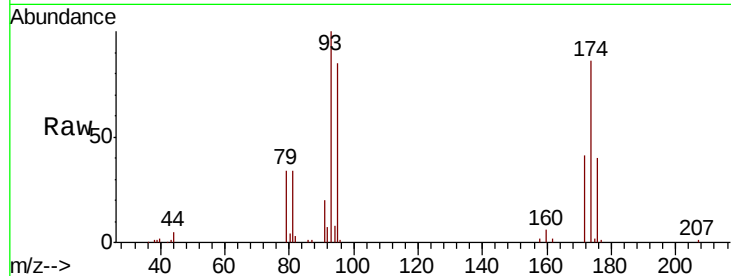
#46
Dibromomethane
Concen: 62.670 ug/l
RT: 6.07 min Scan# 552
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion: 93 Resp: 60264
Ion Ratio Lower Upper
93 100
95 84.9 66.9 100.3
174 88.0 74.1 111.1

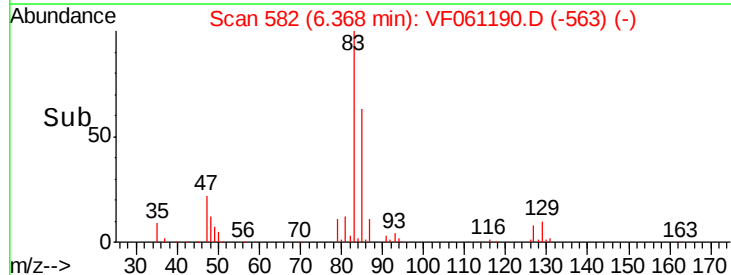
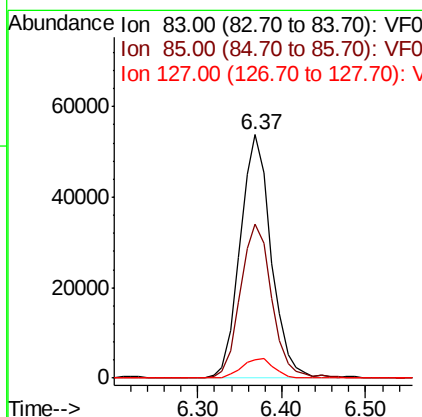
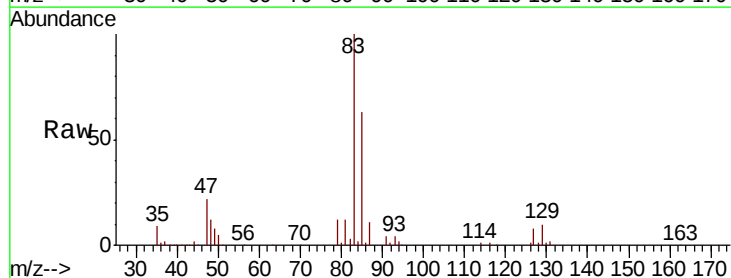
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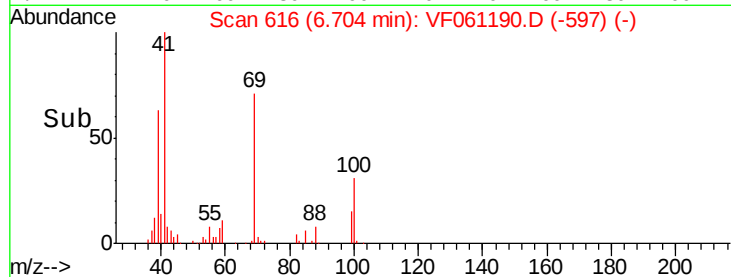
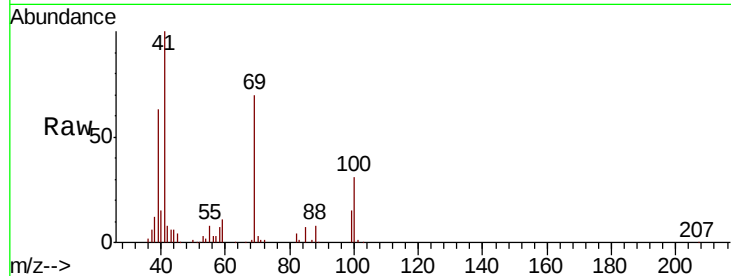
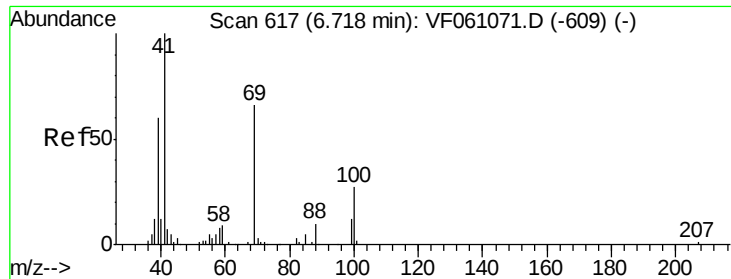
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#47
Bromodichloromethane
Concen: 55.478 ug/l
RT: 6.37 min Scan# 582
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion: 83 Resp: 138614
Ion Ratio Lower Upper
83 100
85 63.4 52.2 78.4
127 7.7 6.1 9.1





#48

Methyl methacrylate

Concen: 87.838 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.01 min

Lab File: VF061190.D

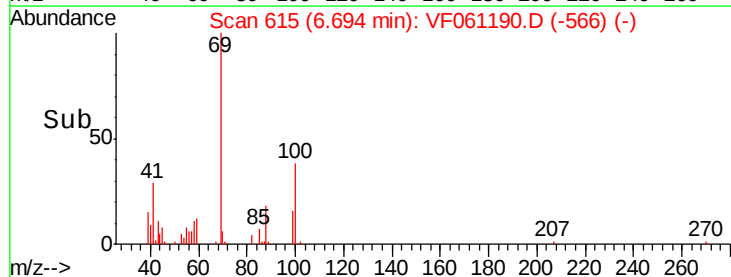
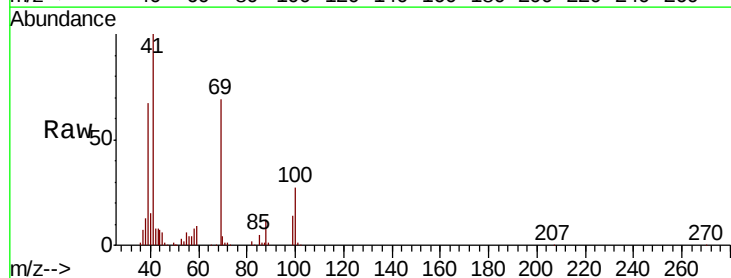
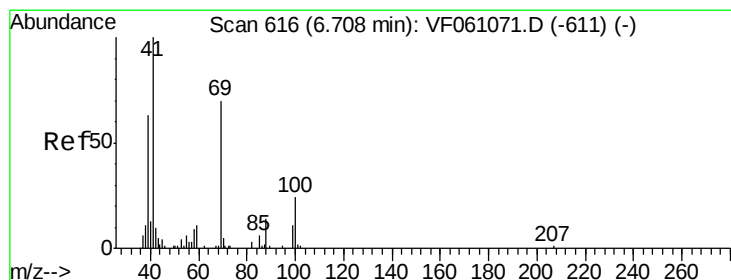
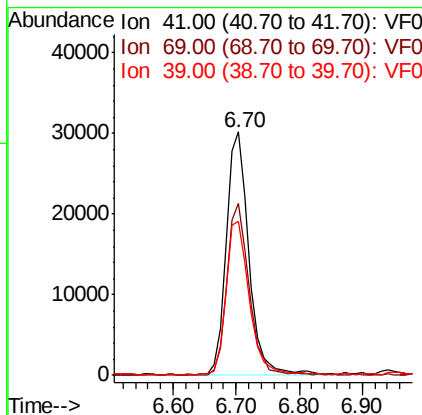
Acq: 26 Dec 2018 16:06

Tot Ion:	41	Resp:	75030
Ion	Ratio	Lower	Upper
41	100		
69	70.5	52.7	79.1
39	63.2	47.8	71.6

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

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#49

1,4-Dioxane

Concen: 1687.497 ug/l

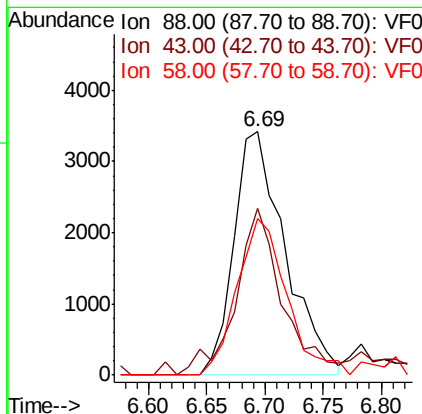
RT: 6.69 min Scan# 615

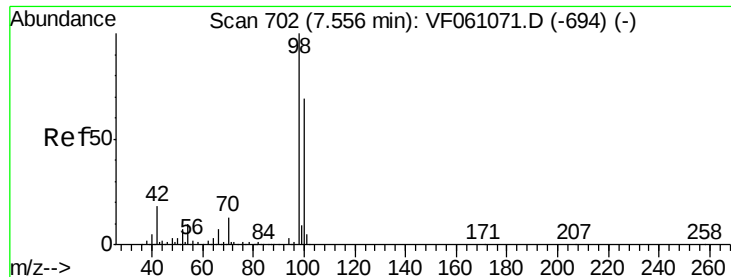
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	88	Resp:	10459
Ion	Ratio	Lower	Upper
88	100		
43	68.5	33.3	49.9#
58	64.2	53.2	79.8





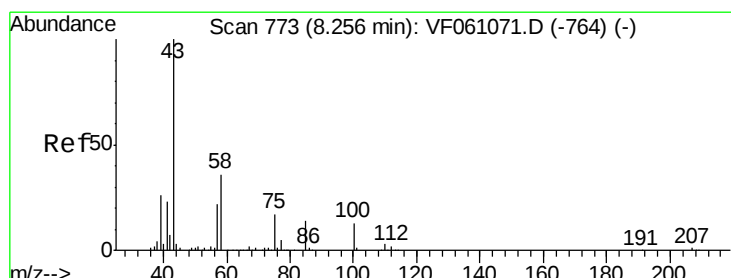
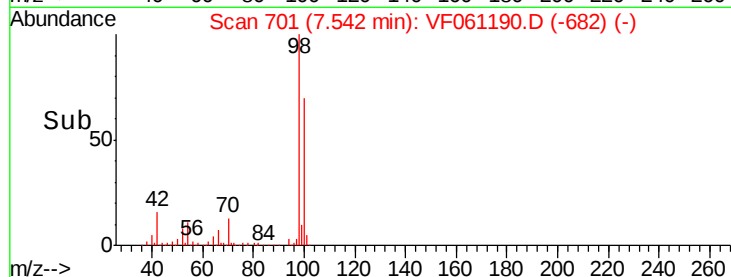
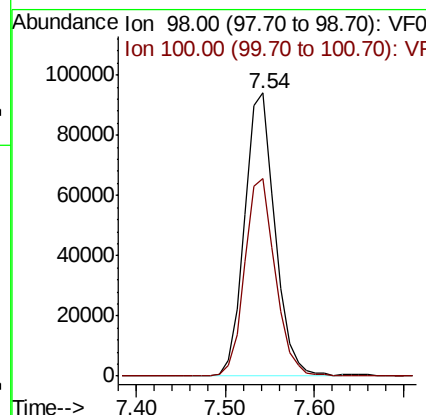
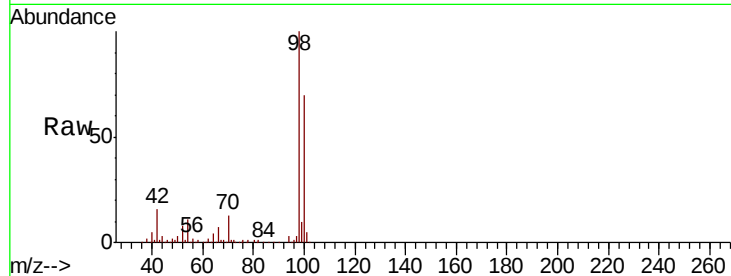
#50
Toluene-d8
Concen: 46.682 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion: 98 Resp: 222475
Ion Ratio Lower Upper
98 100
100 69.7 55.3 82.9

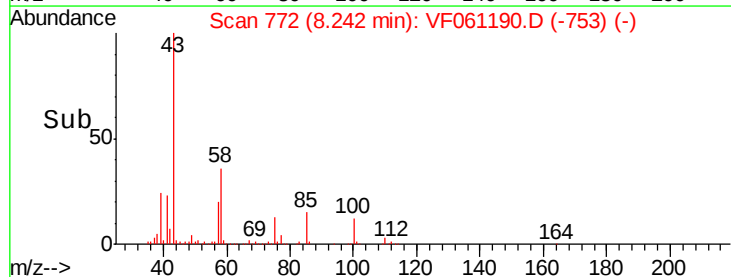
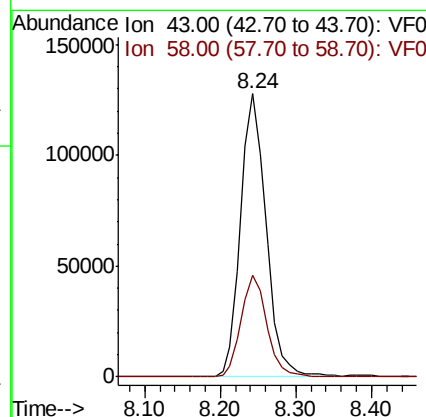
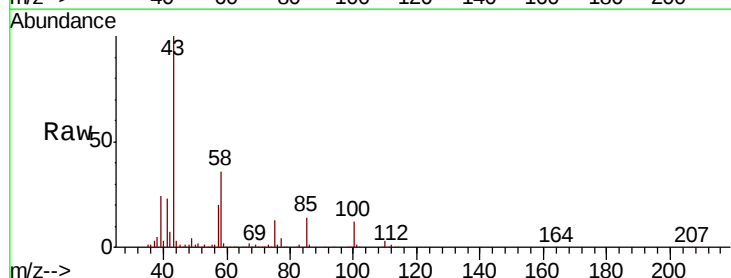
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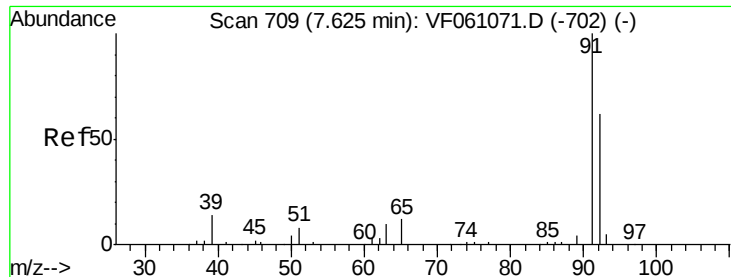
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#51
4-Methyl-2-Pentanone
Concen: 355.648 ug/l
RT: 8.24 min Scan# 772
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion: 43 Resp: 298443
Ion Ratio Lower Upper
43 100
58 35.8 29.1 43.7





#52

Toluene

Concen: 45.464 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 92 Resp: 164001

Ion Ratio Lower Upper

92 100

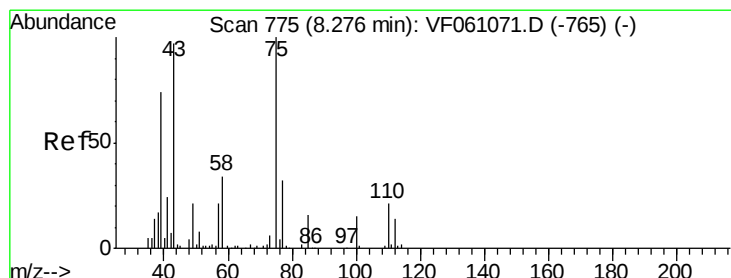
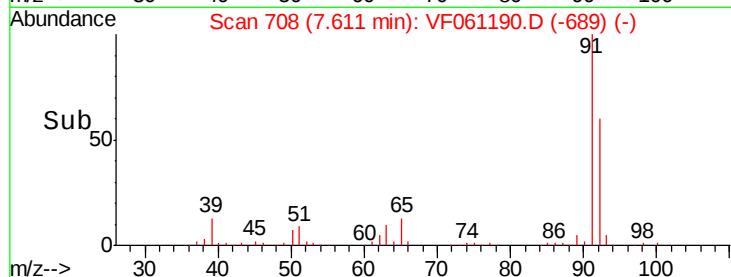
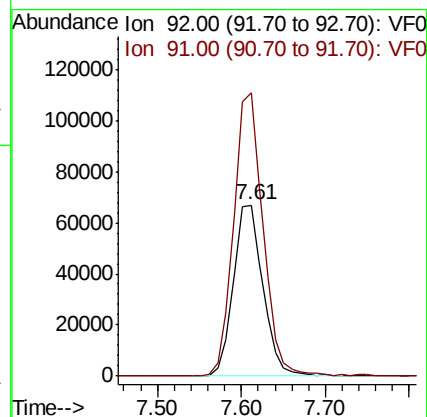
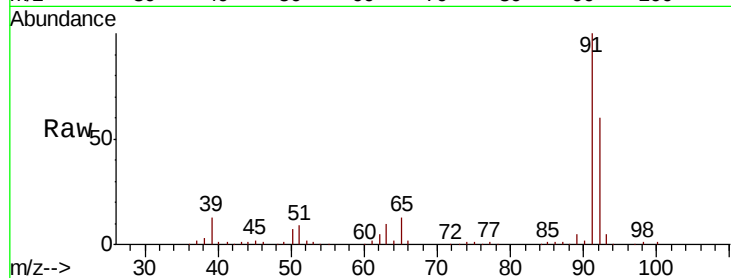
91 165.5 128.8 193.2

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#53

t-1,3-Dichloropropene

Concen: 53.283 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061190.D

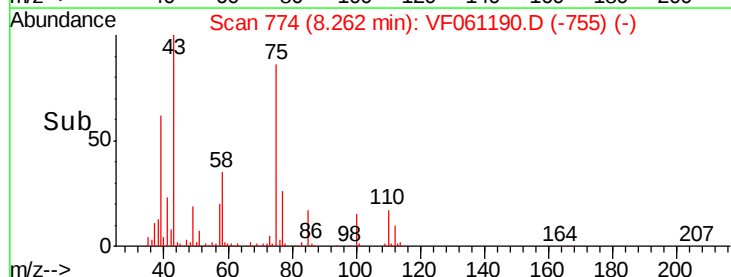
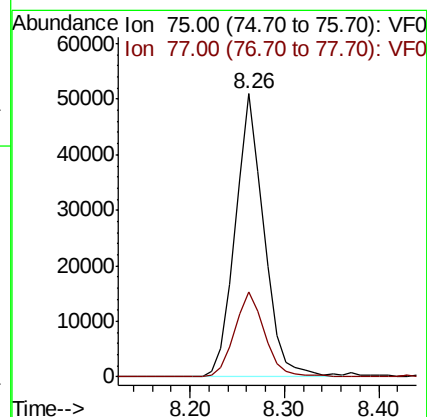
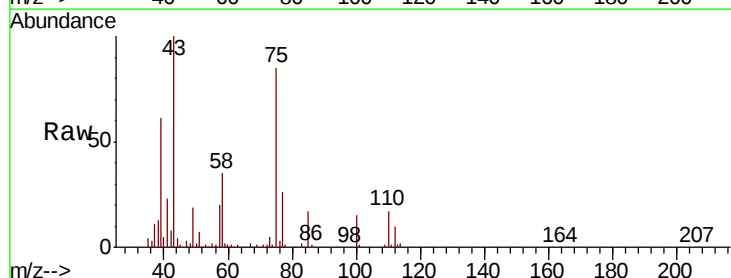
Acq: 26 Dec 2018 16:06

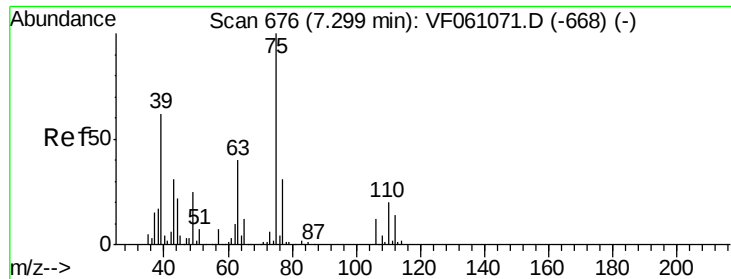
Tgt Ion: 75 Resp: 107396

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.8





#54

cis-1,3-Dichloropropene

Concen: 53.329 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

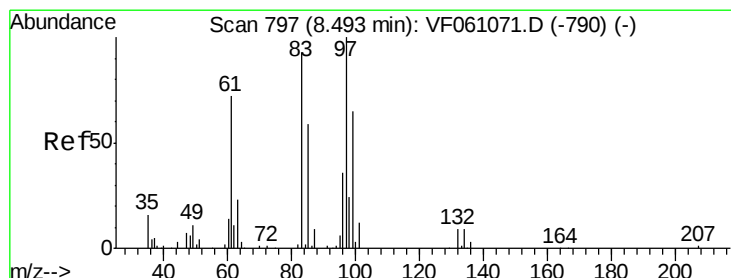
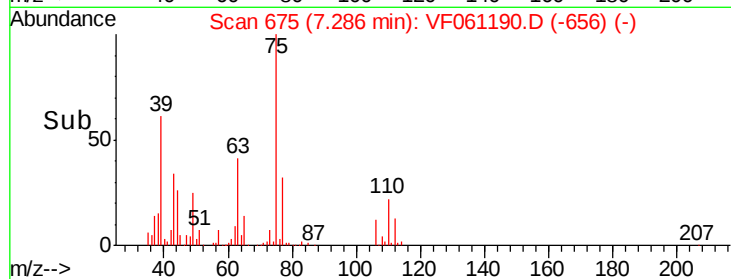
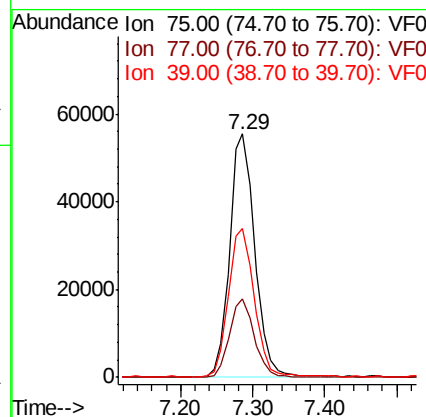
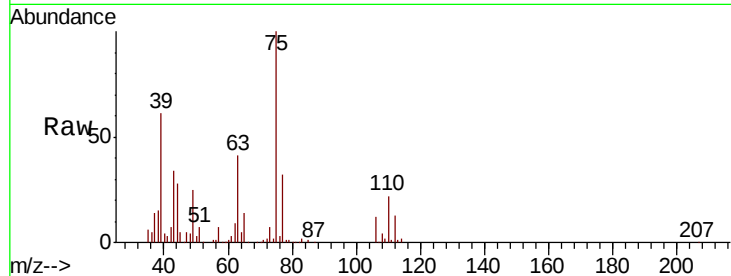
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	75	Resp:	134906
Ion Ratio	Lower	Upper	
75	100		
77	32.1	25.0	37.4
39	61.2	50.1	75.1

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#55

1,1,2-Trichloroethane

Concen: 57.081 ug/l

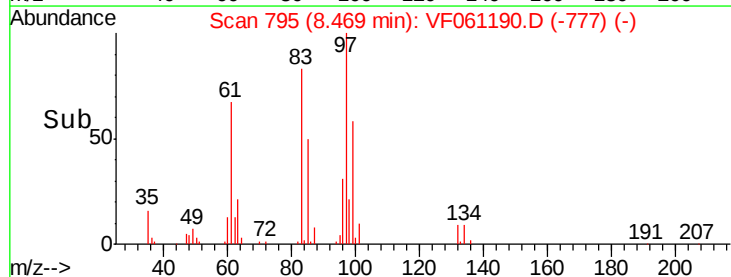
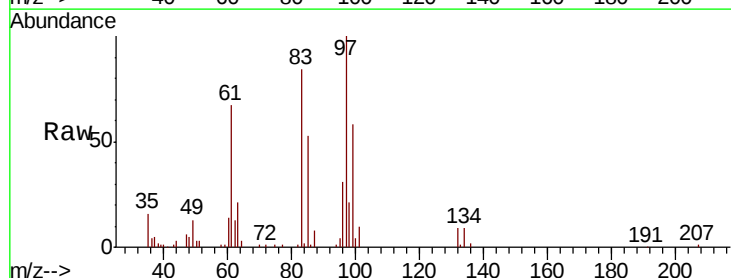
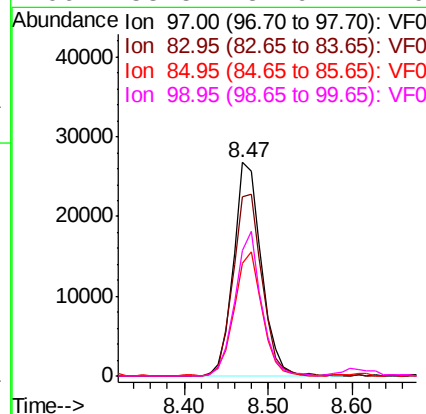
RT: 8.47 min Scan# 795

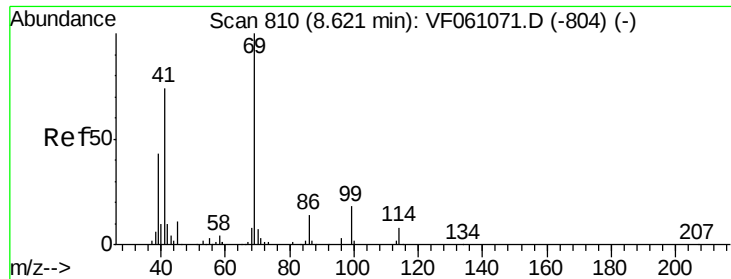
Delta R.T. -0.02 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	97	Resp:	61728
Ion Ratio	Lower	Upper	
97	100		
83	83.9	75.0	112.4
85	52.7	47.5	71.3
99	58.5	51.9	77.9





#56

Ethyl methacrylate

Concen: 9.801 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

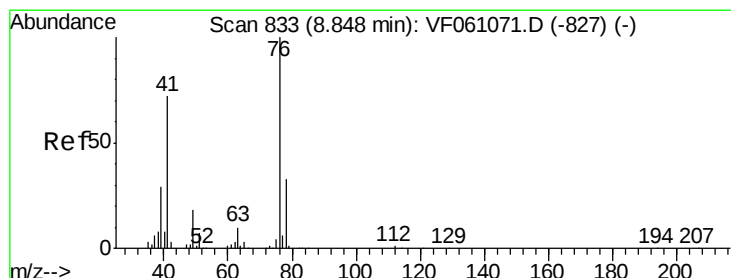
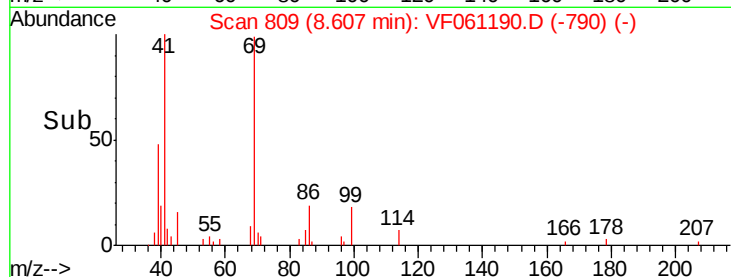
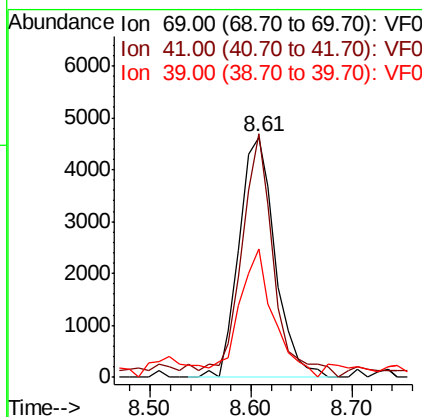
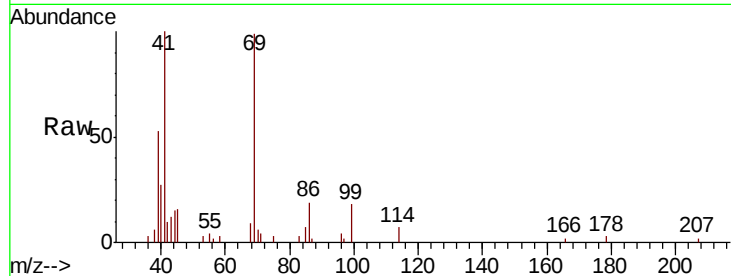
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	101.4	59.7	89.5#	
39	53.6	35.0	52.6#	

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#57

1,3-Dichloropropane

Concen: 57.748 ug/l

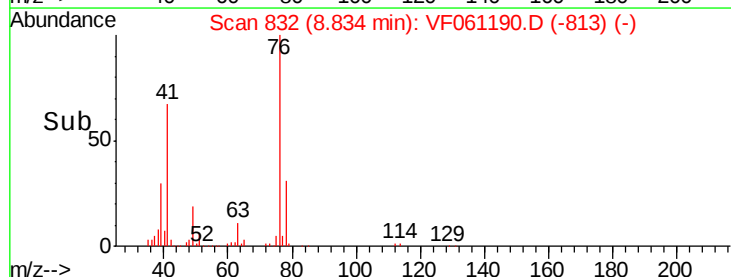
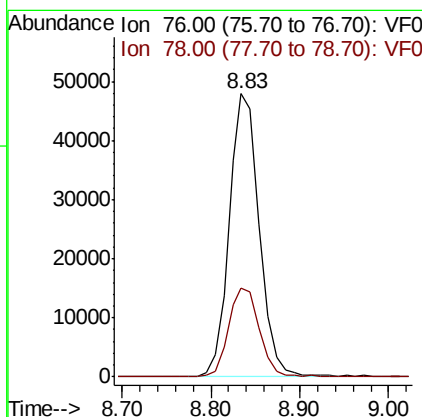
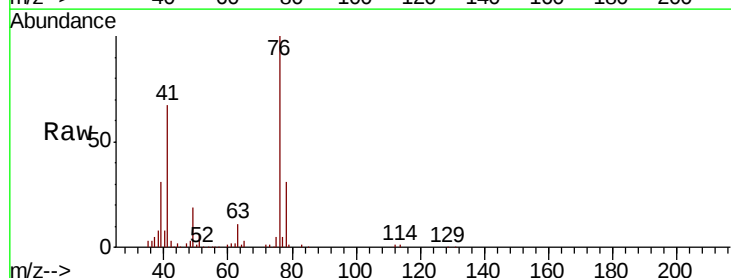
RT: 8.83 min Scan# 832

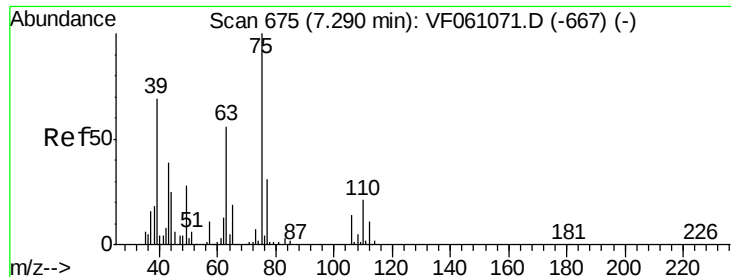
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
76	100			
78	31.5	26.5	39.7	





#58

2-Chloroethyl Vinyl ether

Concen: 280.093 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 63 Resp: 62948

Ion Ratio Lower Upper

63 100

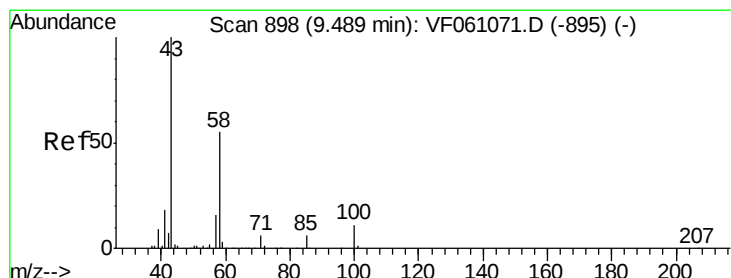
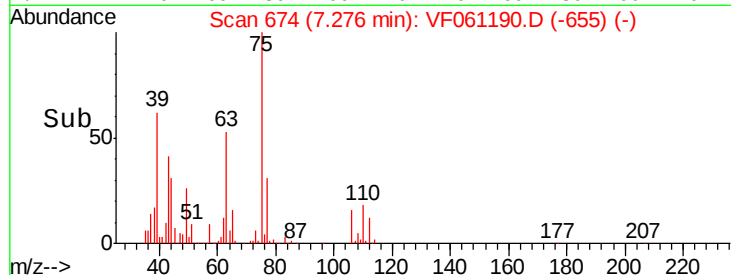
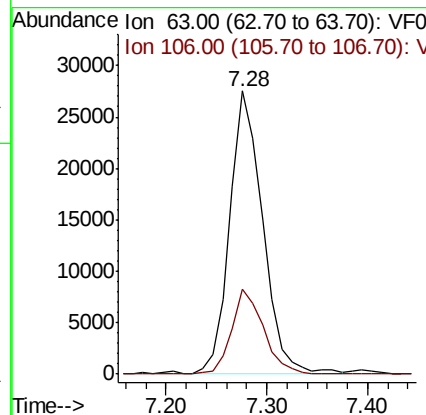
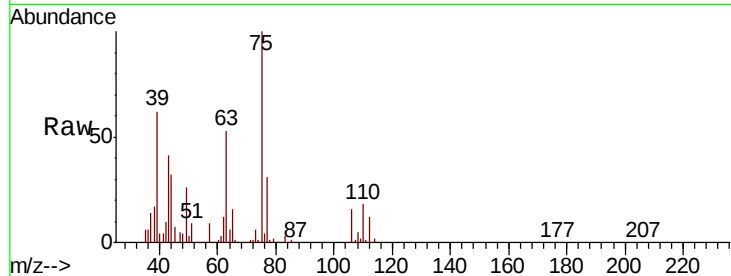
106 30.0 19.8 29.8#

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#59

2-Hexanone

Concen: 325.995 ug/l

RT: 9.48 min Scan# 897

Delta R.T. -0.01 min

Lab File: VF061190.D

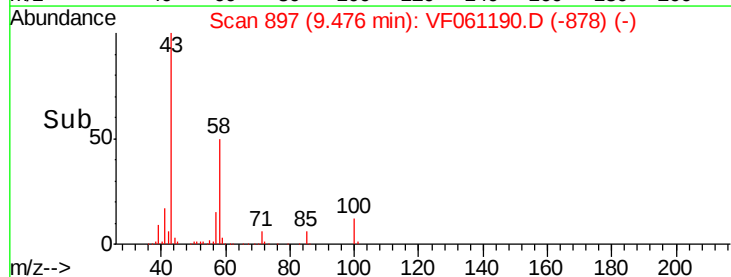
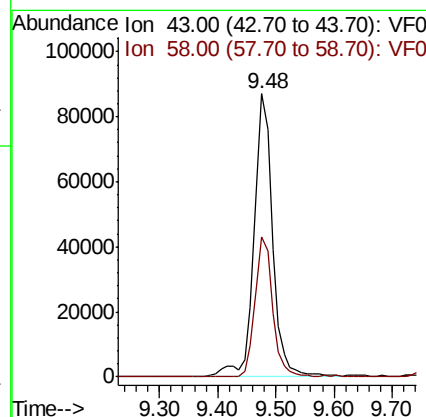
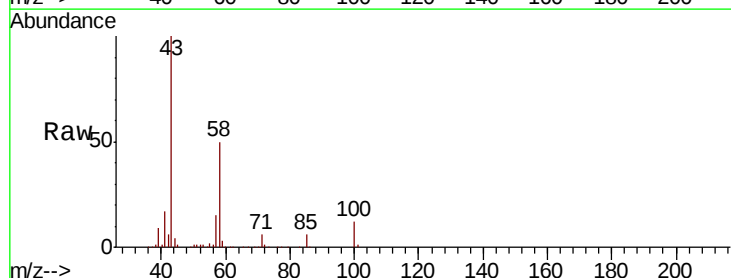
Acq: 26 Dec 2018 16:06

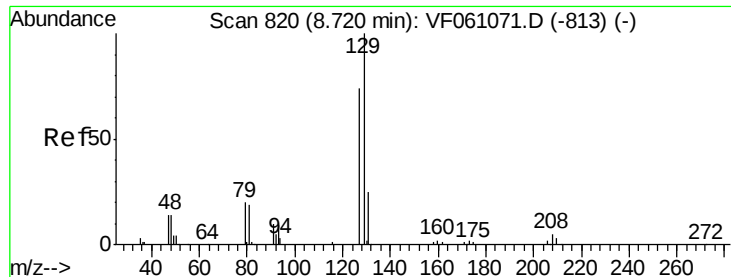
Tgt Ion: 43 Resp: 197832

Ion Ratio Lower Upper

43 100

58 49.6 25.1 75.2





#60

Dibromochloromethane

Concen: 54.912 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.02 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:129 Resp: 85123

Ion Ratio Lower Upper

129 100

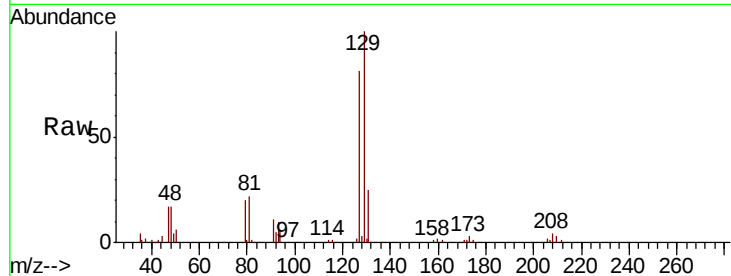
127 80.5 36.8 110.3

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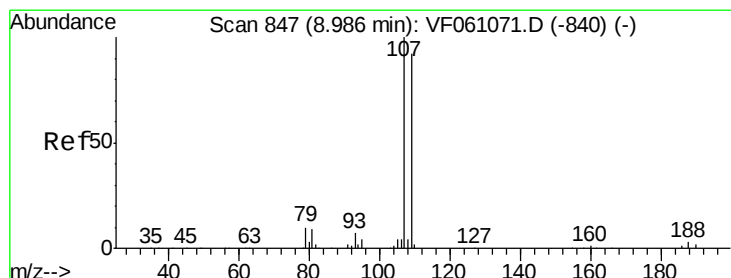
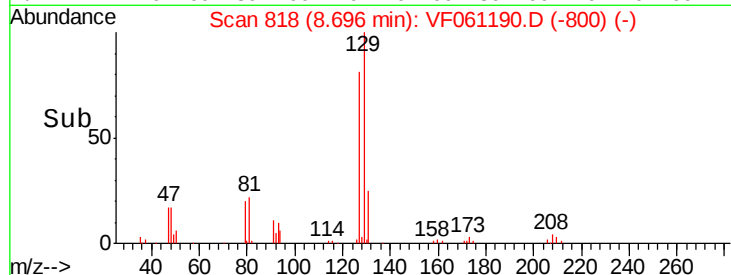
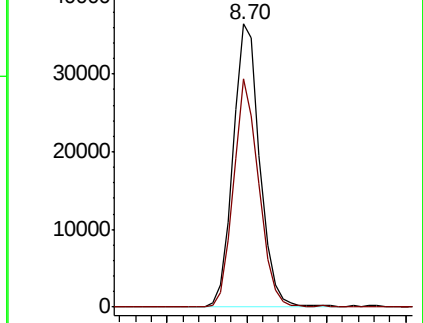
apatel

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#61

1,2-Dibromoethane

Concen: 59.191 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.01 min

Lab File: VF061190.D

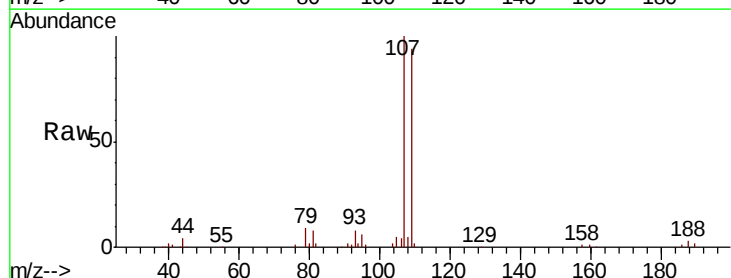
Acq: 26 Dec 2018 16:06

Tgt Ion:107 Resp: 68362

Ion Ratio Lower Upper

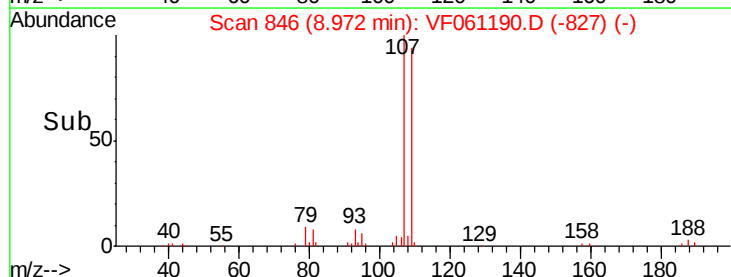
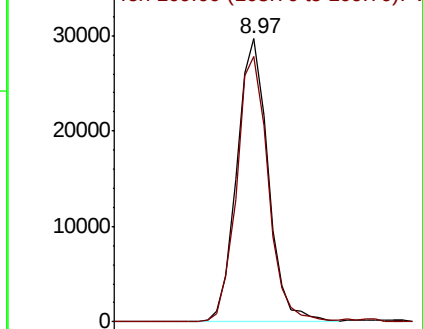
107 100

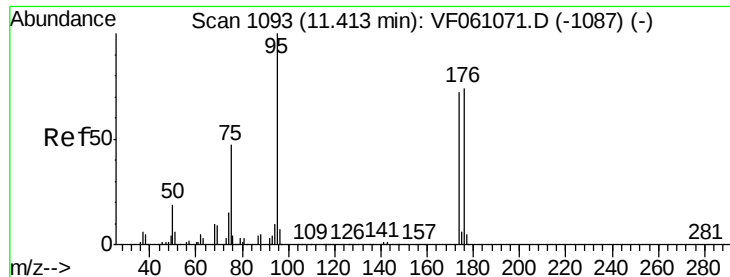
109 93.9 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#62

4-Bromofluorobenzene

Concen: 33.243 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

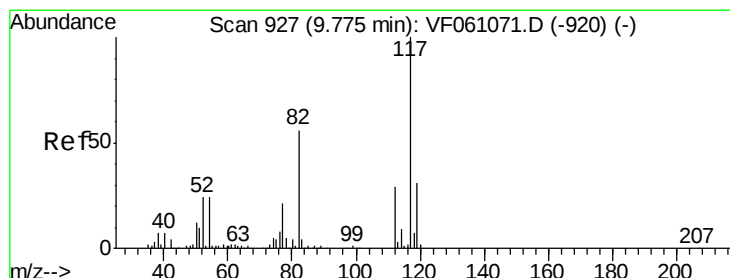
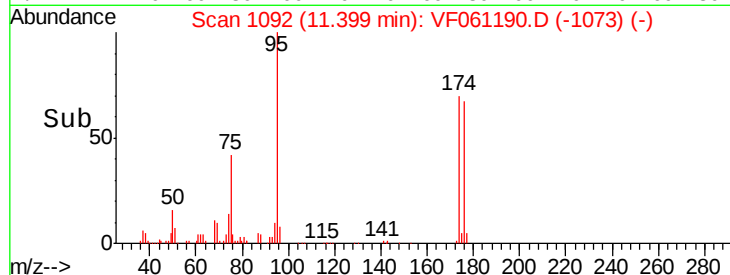
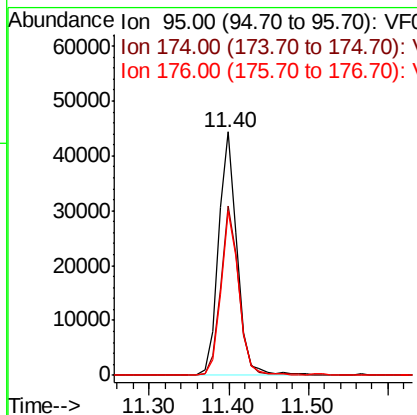
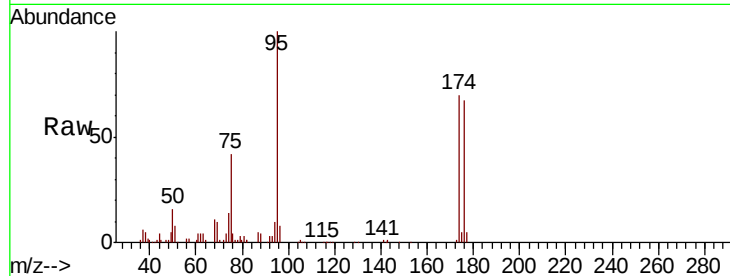
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	95	Resp:	73037
Ion Ratio	Lower	Upper	
95	100		
174	69.7	0.0	143.8
176	67.5	0.0	147.6

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

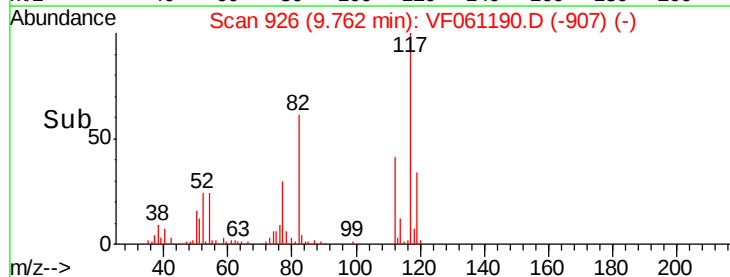
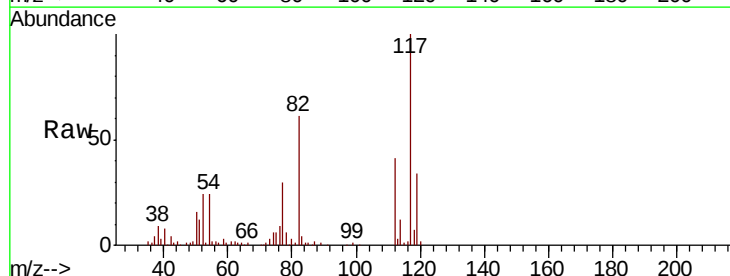
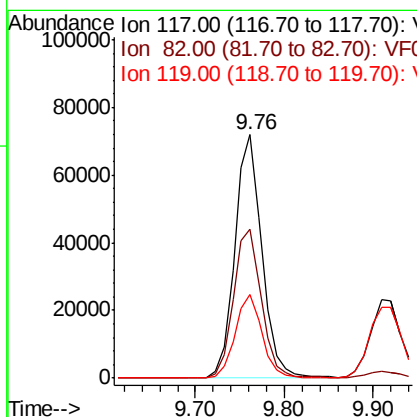
RT: 9.76 min Scan# 926

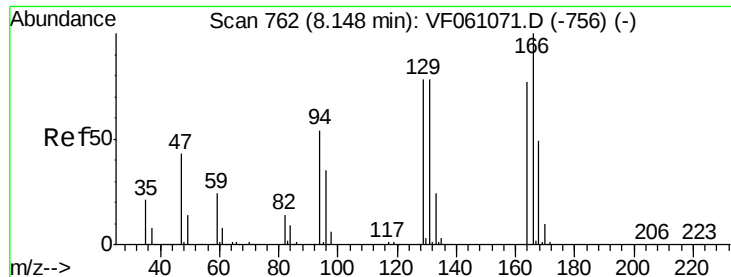
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	117	Resp:	152554
Ion Ratio	Lower	Upper	
117	100		
82	61.0	45.0	67.4
119	34.2	24.8	37.2





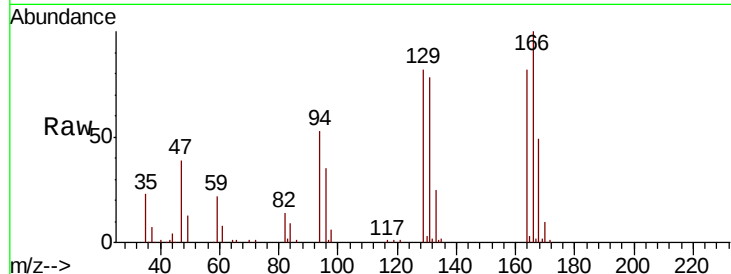
#64
Tetrachloroethene
Concen: 47.914 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.0	104.0	156.0
129	99.5	81.1	121.7
131	95.6	81.2	121.8

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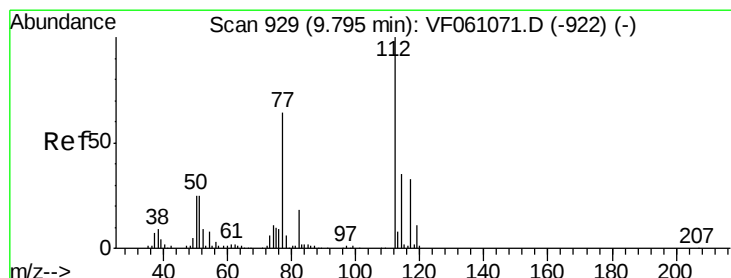
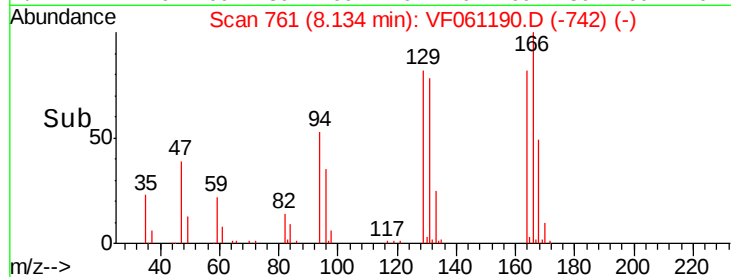
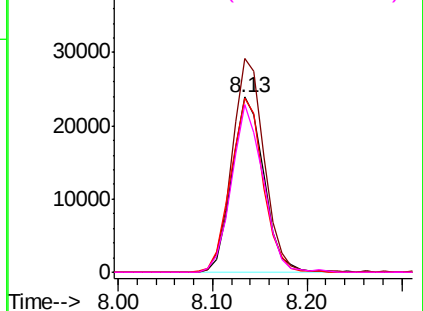
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

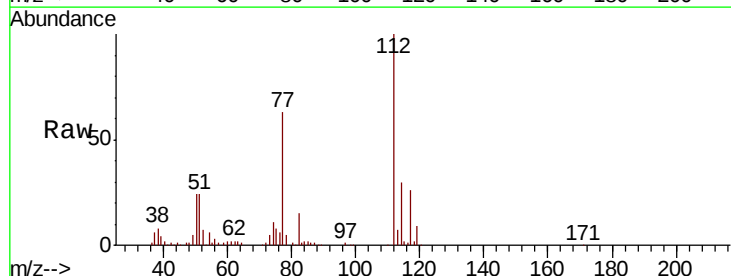
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#65
Chlorobenzene
Concen: 52.971 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

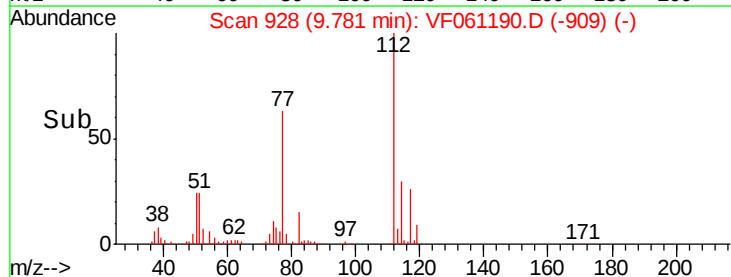
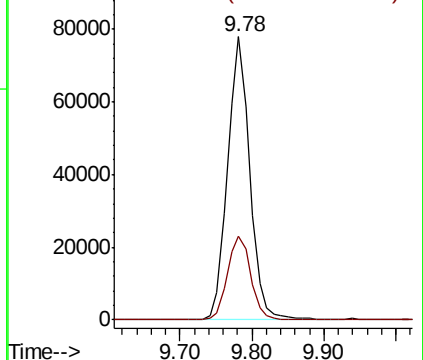
Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.6	27.8	41.6

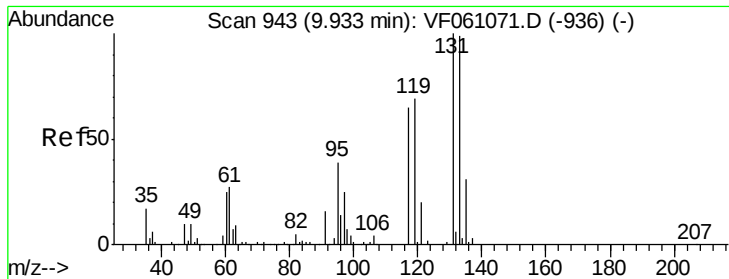


Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#66

1,1,1,2-Tetrachloroethane

Concen: 59.868 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

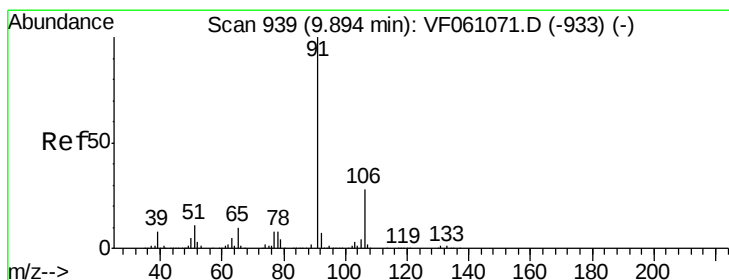
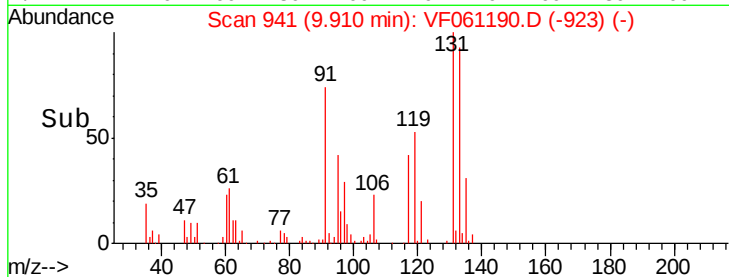
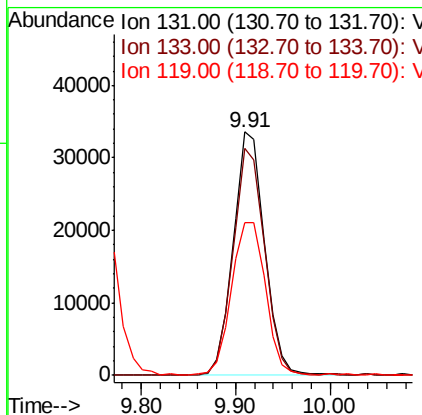
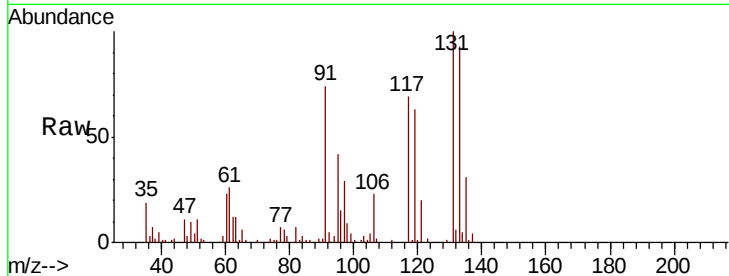
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	131	Resp:	77105
Ion Ratio	Lower	Upper	
131	100		
133	93.5	49.5	148.7
119	62.8	34.5	103.5

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#67

Ethyl Benzene

Concen: 49.834 ug/l

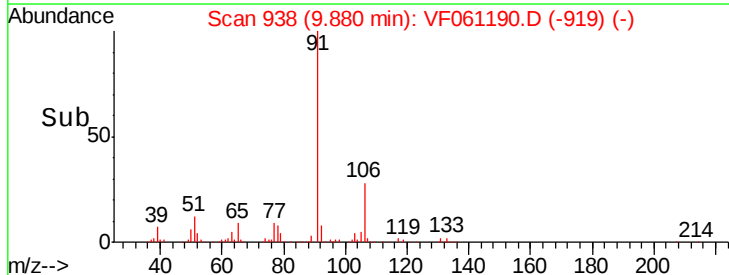
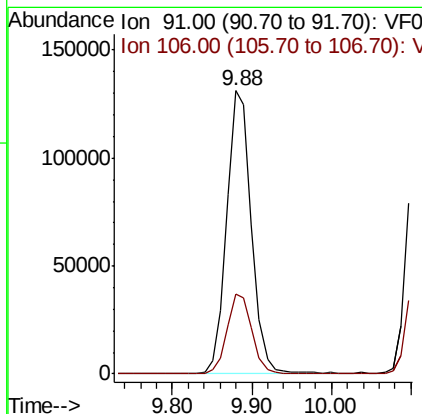
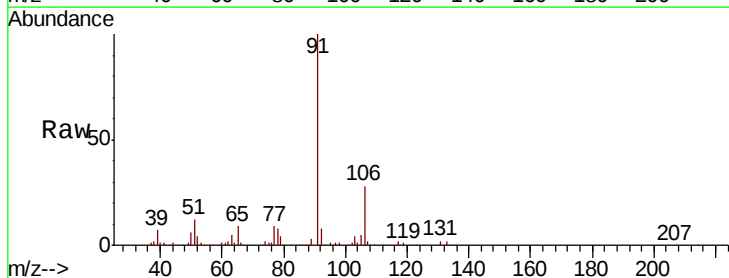
RT: 9.88 min Scan# 938

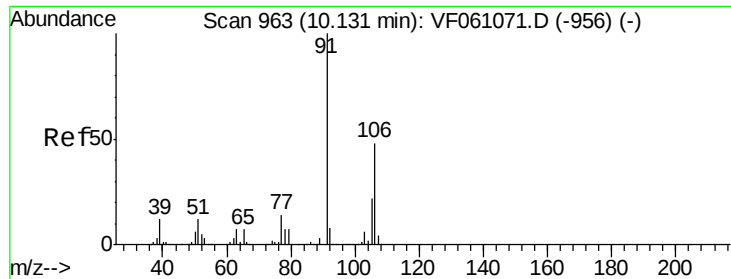
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	91	Resp:	286127
Ion Ratio	Lower	Upper	
91	100		
106	28.0	22.5	33.7





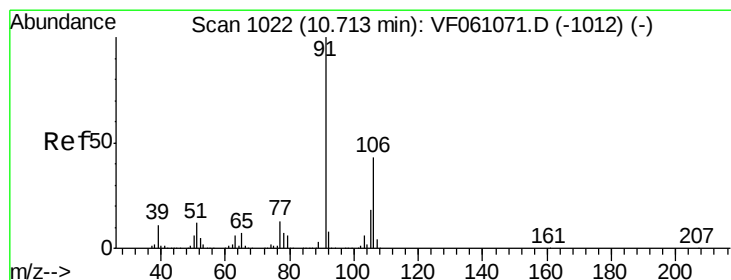
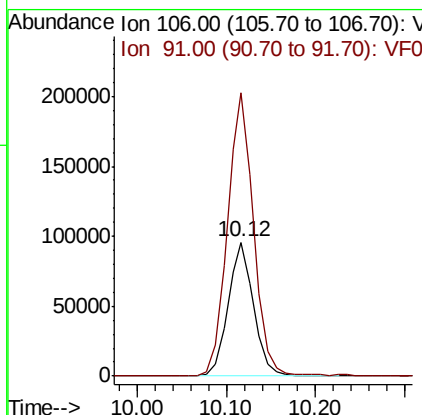
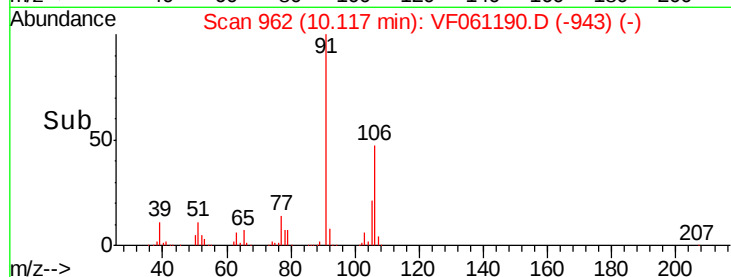
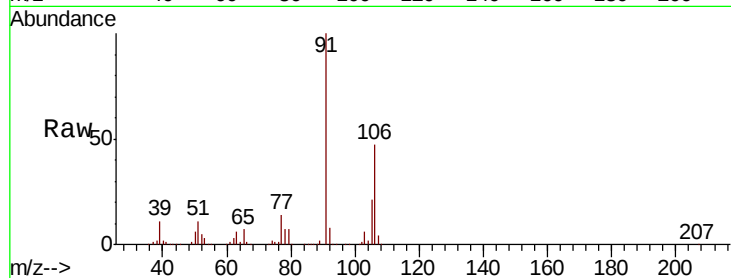
#68
m/p-Xylenes
Concen: 95.131 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	192220		
91	91	211.4	168.2	252.2	

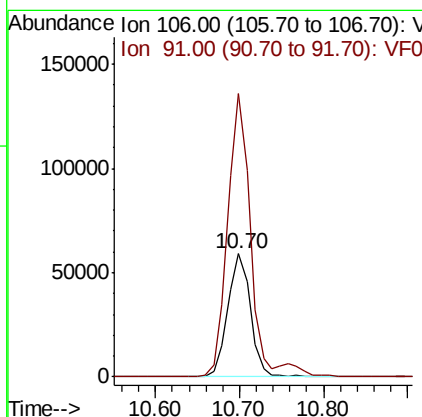
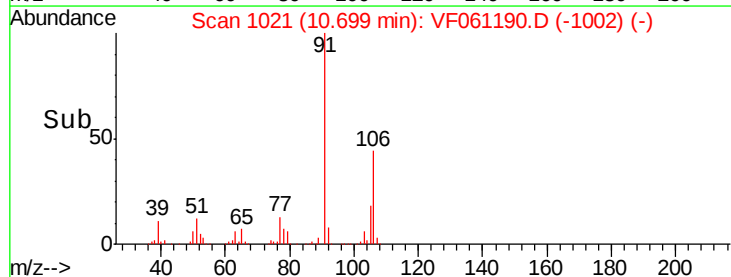
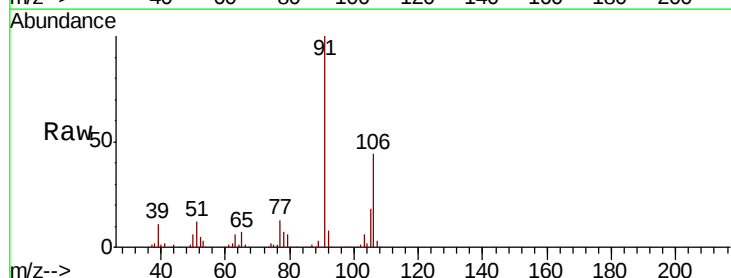
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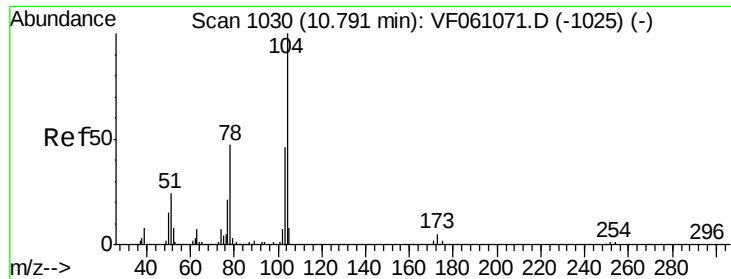
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#69
o-Xylene
Concen: 49.666 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	111301		
91	91	229.9	115.9	347.7	





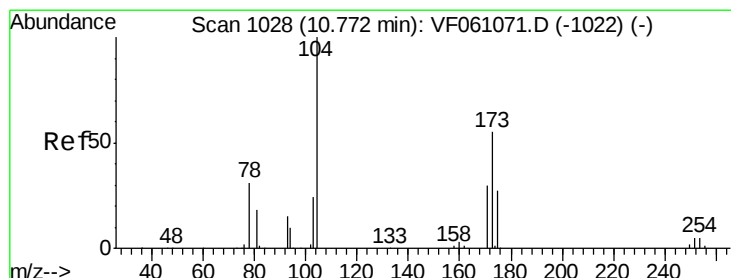
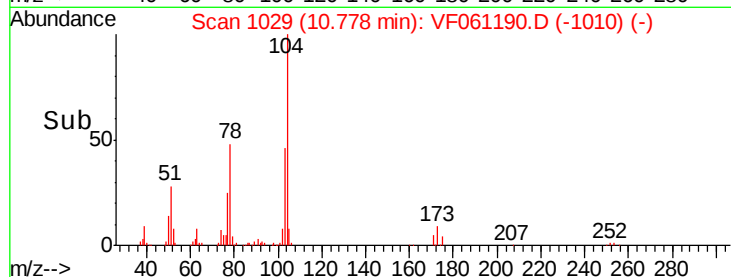
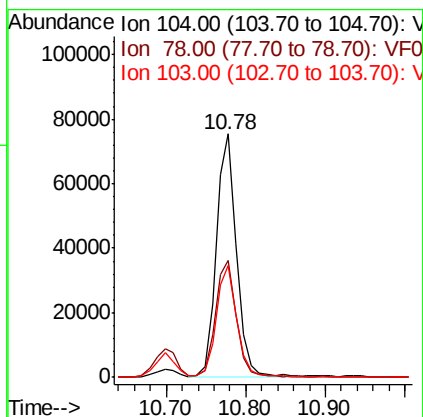
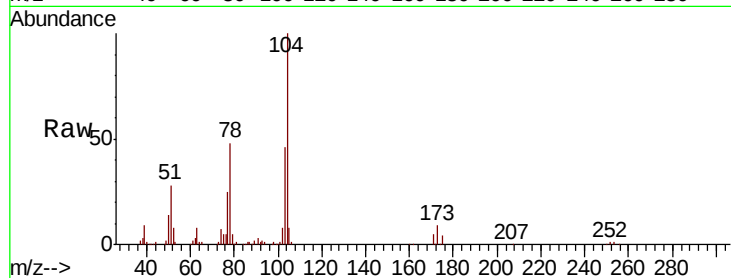
#70
Stvrene
Concen: 48.897 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.8	38.4	57.6
103	45.7	37.0	55.6

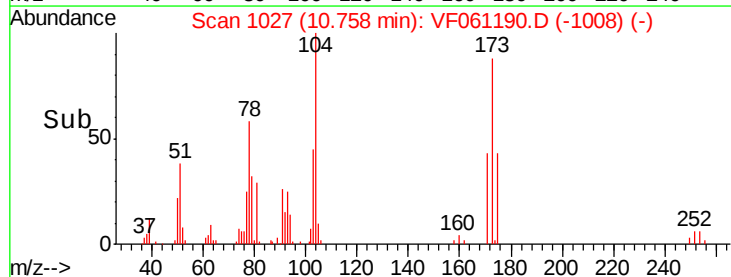
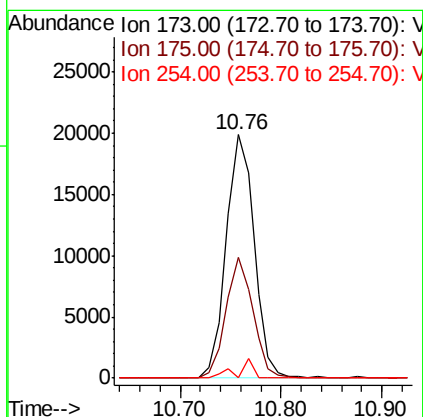
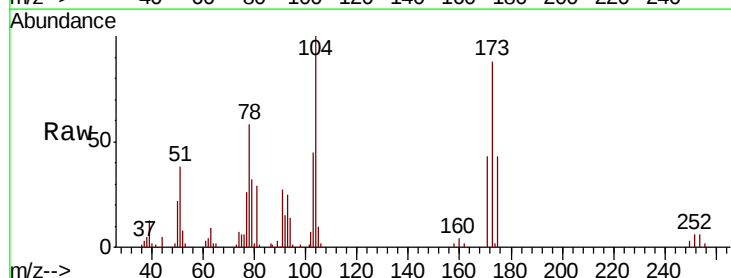
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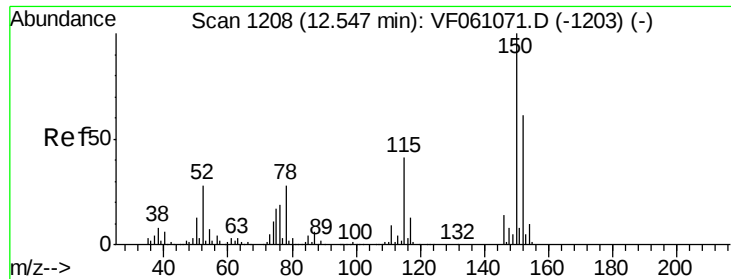
apatel
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#71
Bromoform
Concen: 64.516 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.4
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:152 Resp: 48788

Ion Ratio Lower Upper

152 100

115 58.2 33.3 99.9

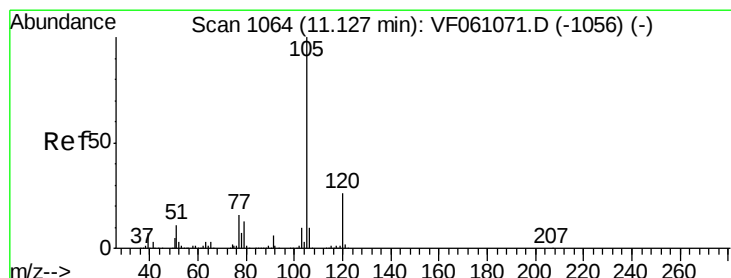
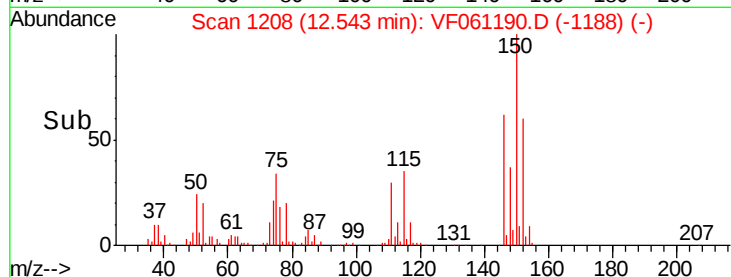
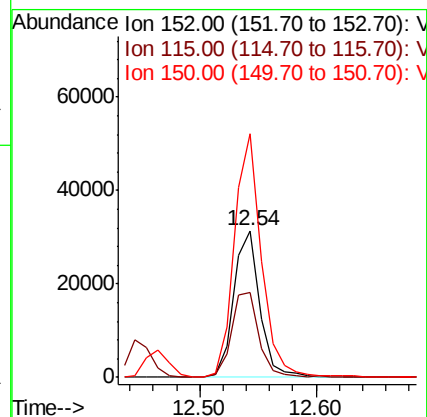
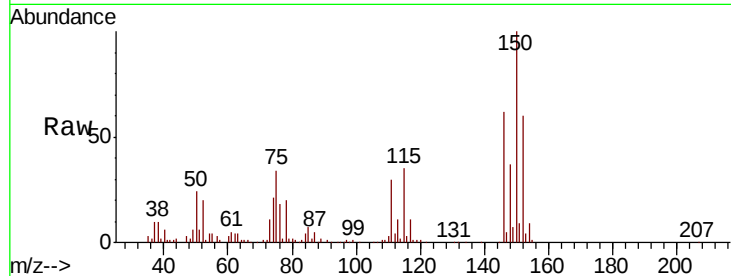
150 166.1 0.0 328.2

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#73

Isopropylbenzene

Concen: 66.032 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.01 min

Lab File: VF061190.D

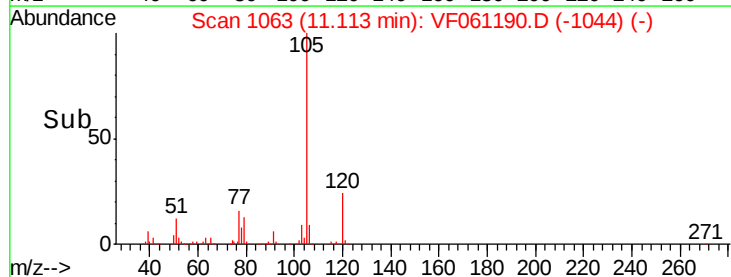
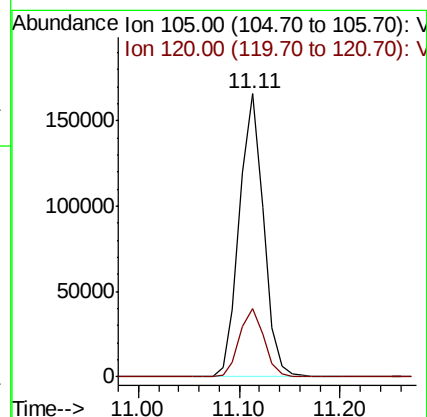
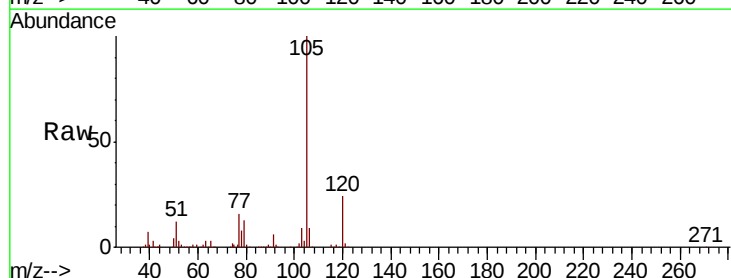
Acq: 26 Dec 2018 16:06

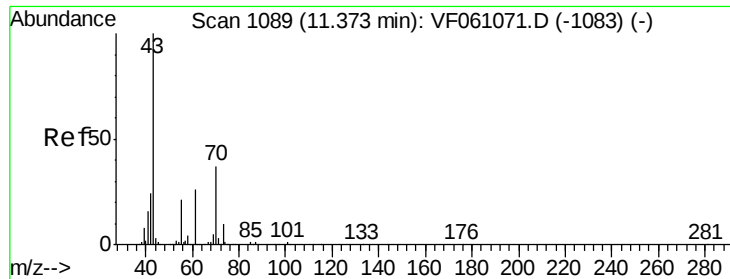
Tgt Ion:105 Resp: 277618

Ion Ratio Lower Upper

105 100

120 24.2 13.0 39.0





#74

N-amvl acetate

Concen: 4.189 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

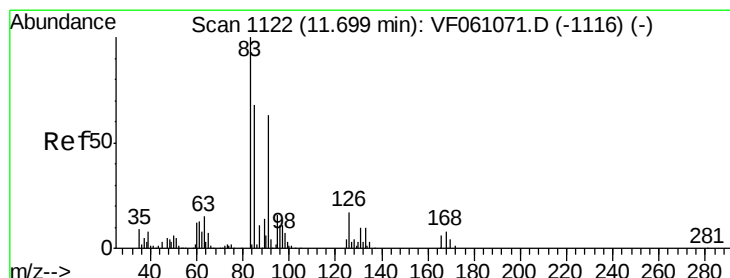
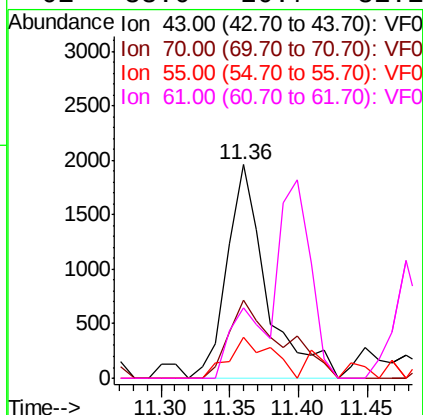
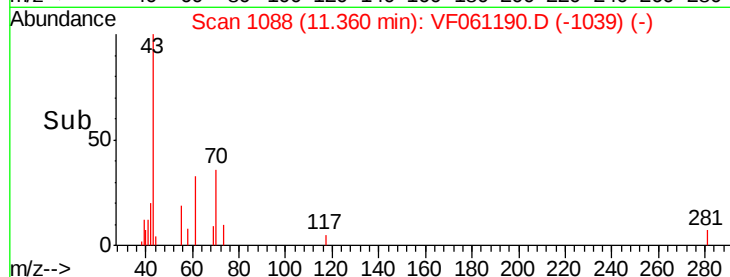
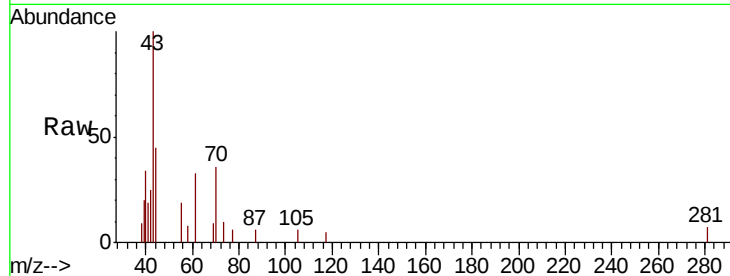
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	43	Resp:	3910
Ion	Ratio	Lower	Upper
43	100		
70	36.4	29.2	43.8
55	19.1	16.5	24.7
61	33.0	20.7	31.1#

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#75

1,1,2,2-Tetrachloroethane

Concen: 114.039 ug/l

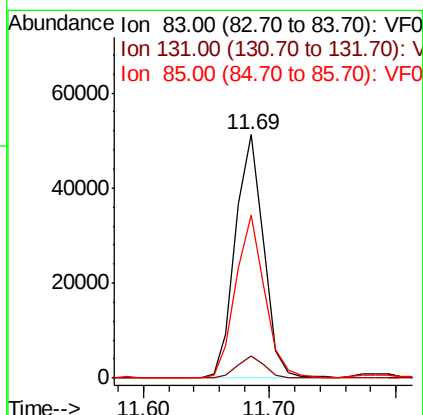
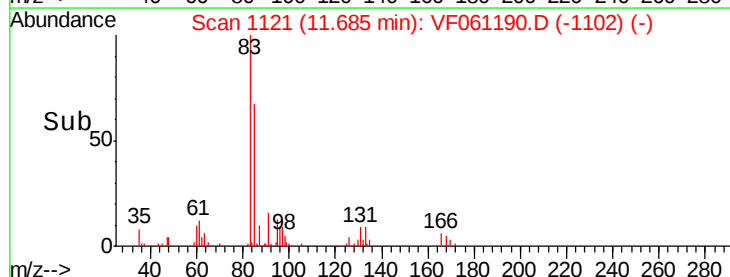
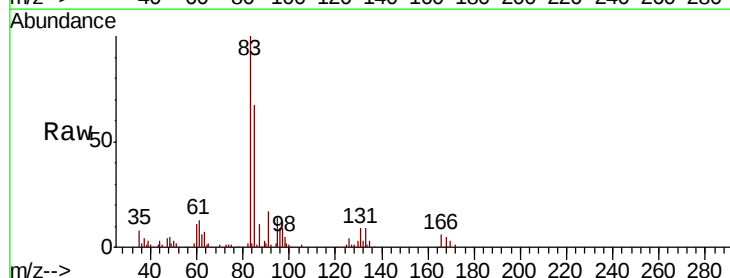
RT: 11.69 min Scan# 1121

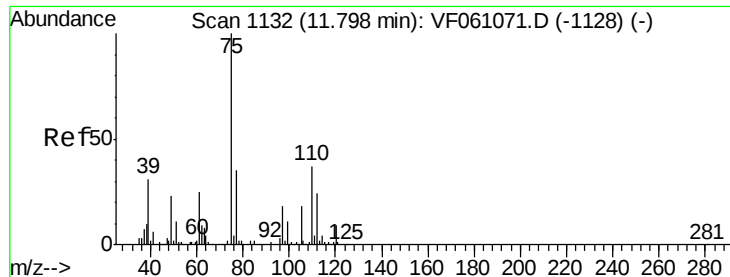
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	83	Resp:	79574
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.3
85	67.1	33.9	101.6





#76

1,2,3-Trichloropropane

Concen: 114.991 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 75 Resp: 59713

Ion Ratio Lower Upper

75 100

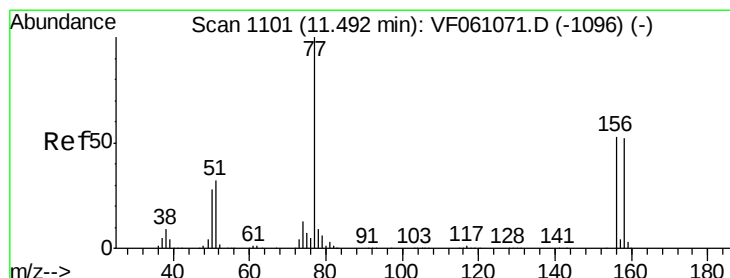
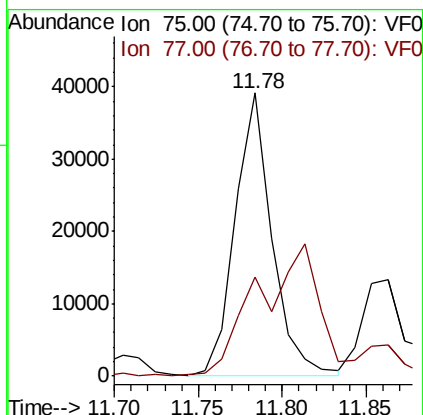
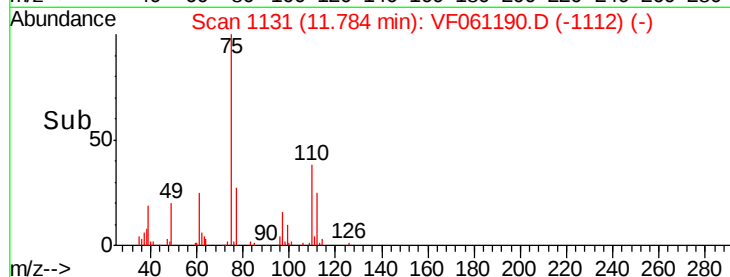
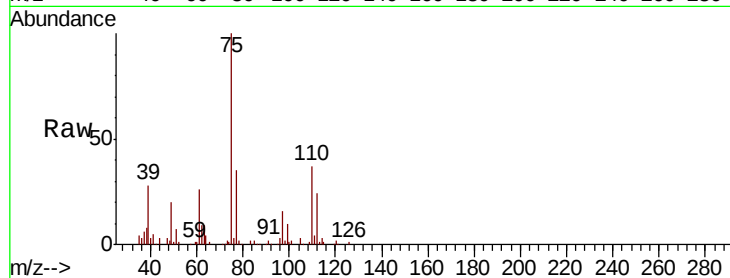
77 35.2 17.6 52.9

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#77

Bromobenzene

Concen: 66.899 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

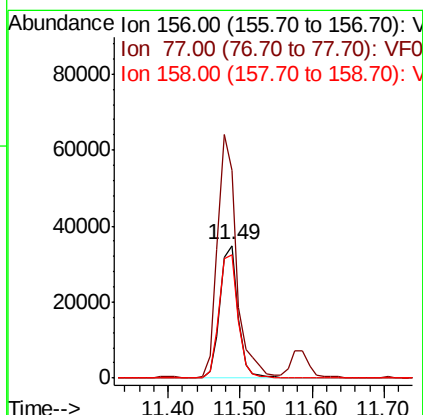
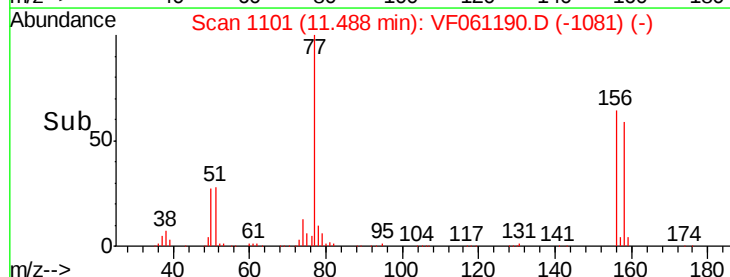
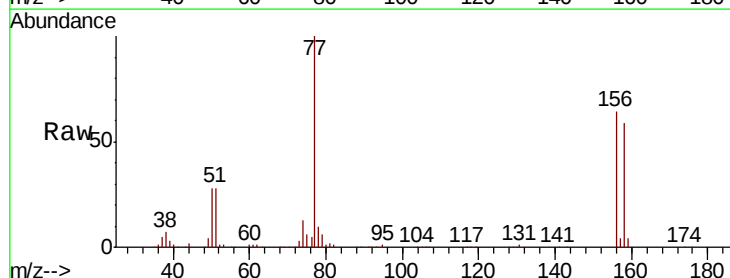
Tgt Ion: 156 Resp: 60547

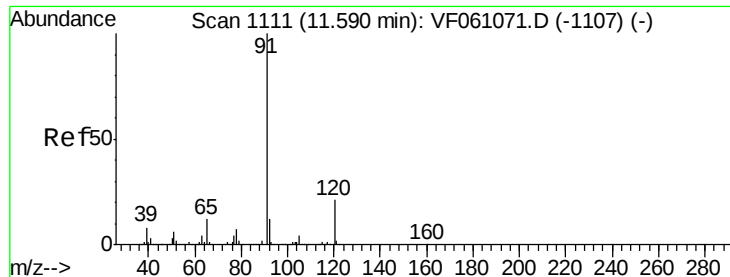
Ion Ratio Lower Upper

156 100

77 156.7 93.8 281.4

158 92.9 48.9 146.8





#78

n-propylbenzene

Concen: 60.865 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 91 Resp: 281351

Ion Ratio Lower Upper

91 100

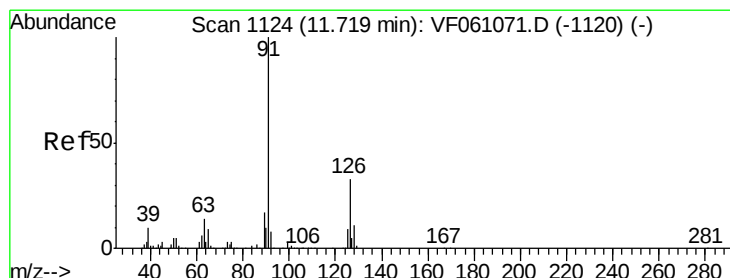
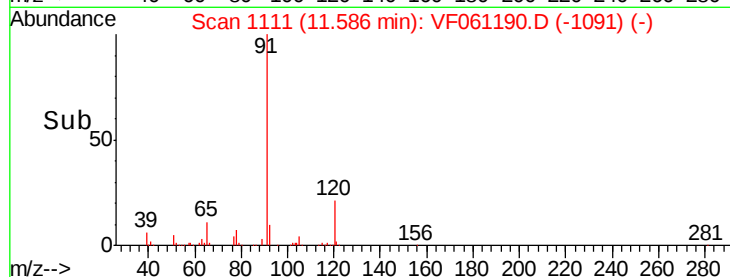
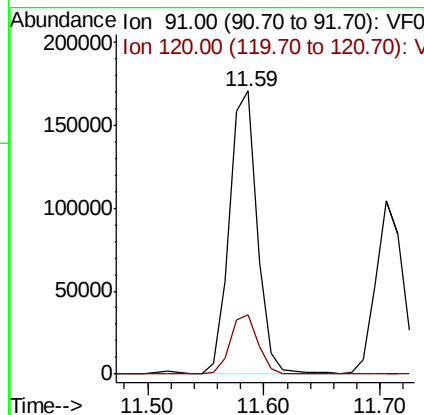
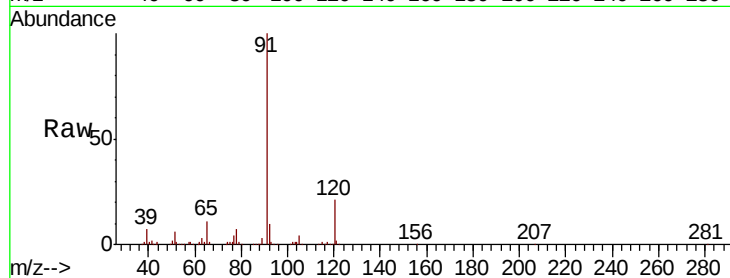
120 21.1 10.4 31.2

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#79

2-Chlorotoluene

Concen: 57.619 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061190.D

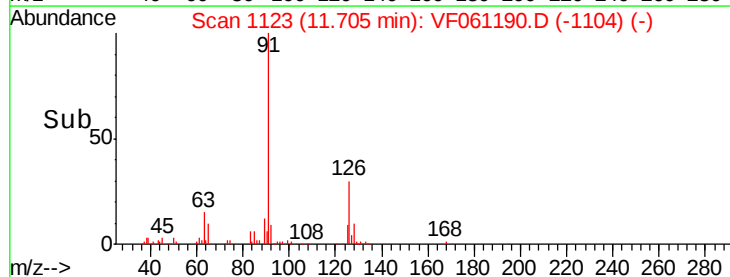
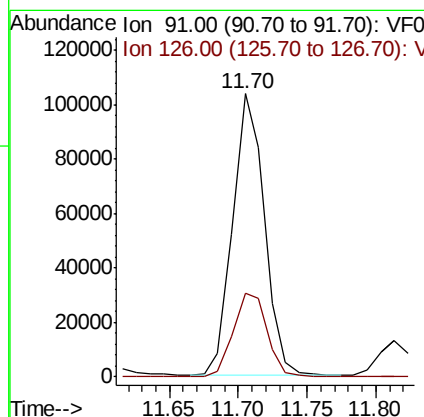
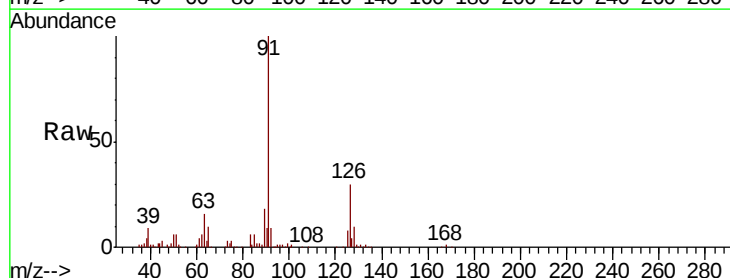
Acq: 26 Dec 2018 16:06

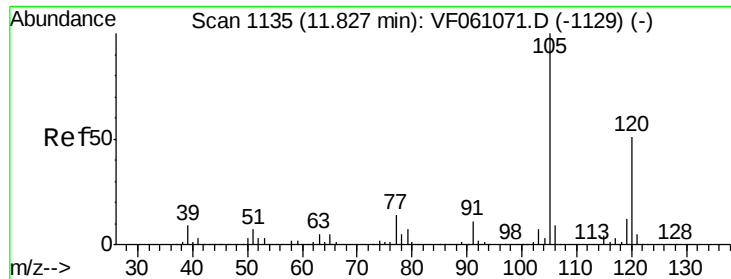
Tgt Ion: 91 Resp: 166184

Ion Ratio Lower Upper

91 100

126 29.7 16.4 49.1





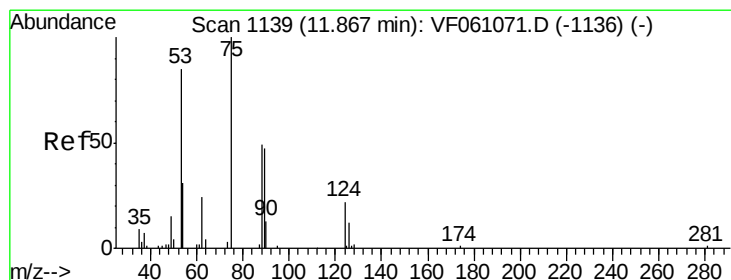
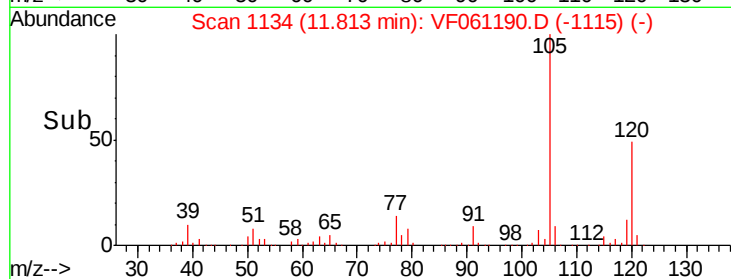
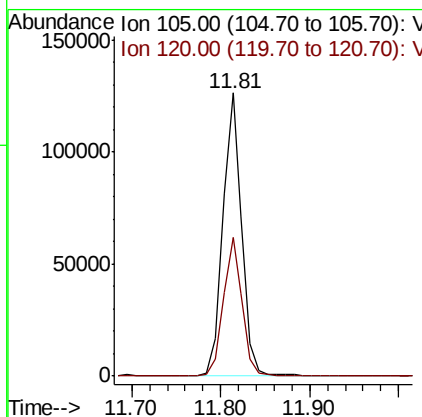
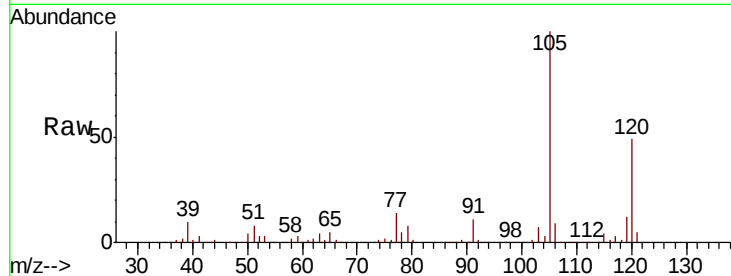
#80
 1,3,5-Trimethylbenzene
 Concen: 54.366 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MSD

Tot Ion: 105 Resp: 188211
 Ion Ratio Lower Upper
 105 100
 120 48.8 25.4 76.4

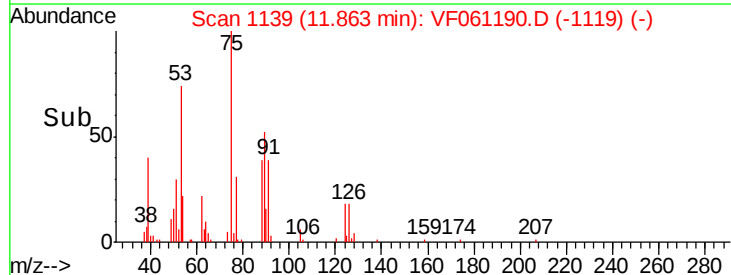
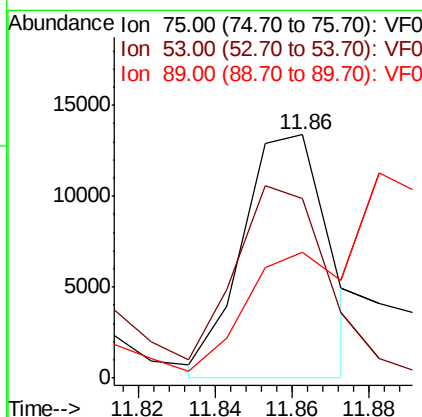
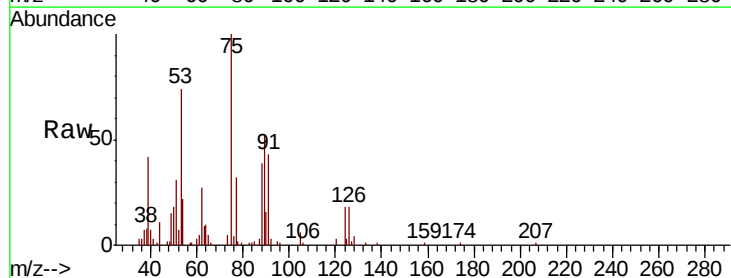
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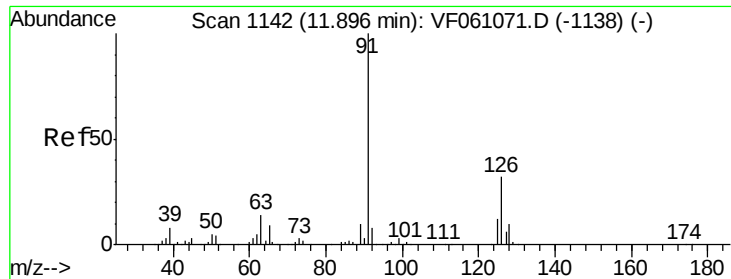
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.250 ug/l m
 RT: 11.86 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Tgt Ion: 75 Resp: 20808
 Ion Ratio Lower Upper
 75 100
 53 73.8 74.1 111.1#
 89 51.7 42.6 64.0





#82

4-Chlorotoluene

Concen: 54.692 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion: 91 Resp: 163178

Ion Ratio Lower Upper

91 100

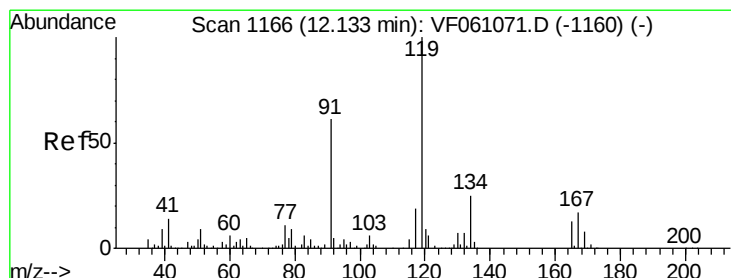
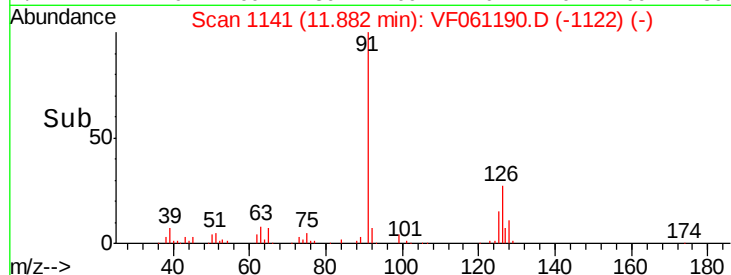
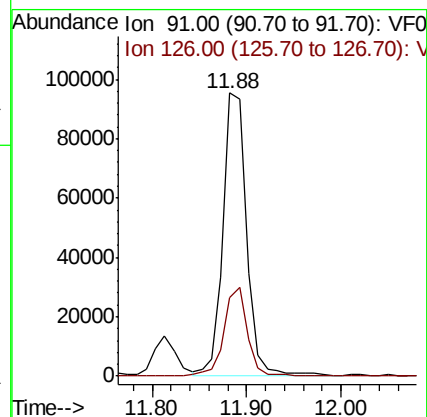
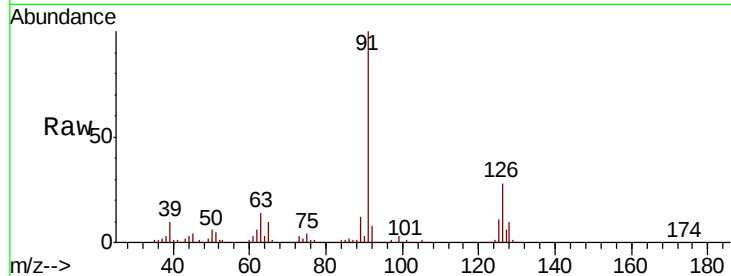
126 27.8 16.0 47.9

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#83

tert-Butylbenzene

Concen: 58.844 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

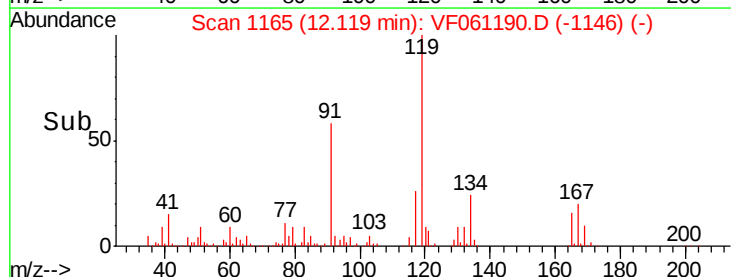
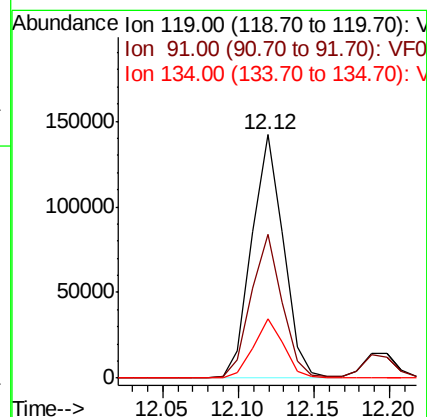
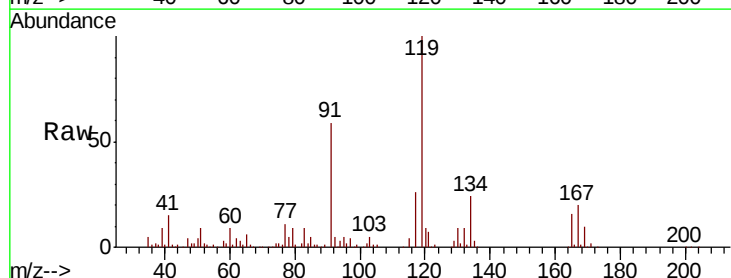
Tgt Ion: 119 Resp: 209626

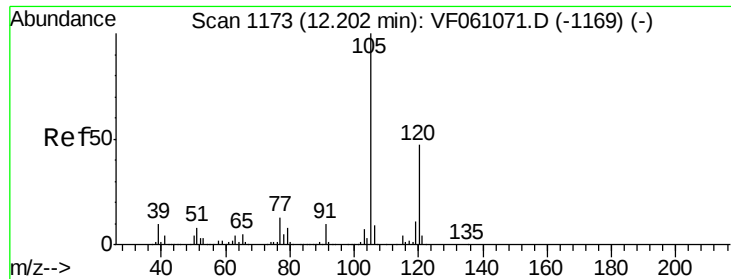
Ion Ratio Lower Upper

119 100

91 59.3 30.5 91.5

134 24.3 12.4 37.4





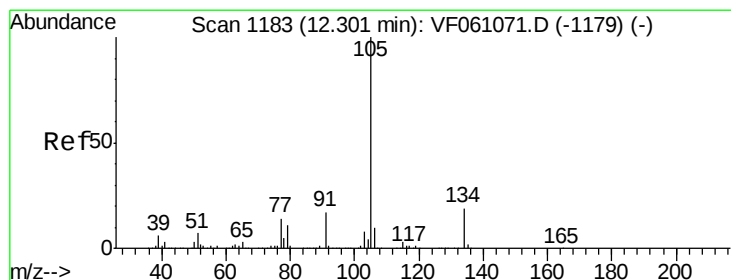
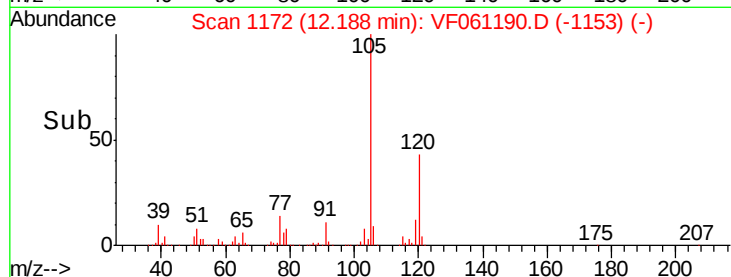
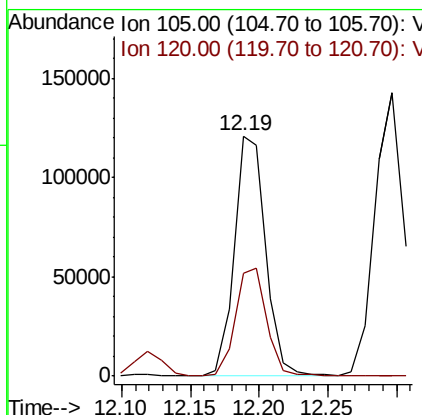
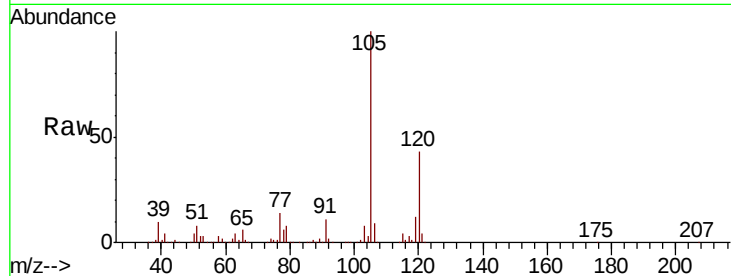
#84
1,2,4-Trimethylbenzene
Concen: 55.154 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion:105 Resp: 190408
Ion Ratio Lower Upper
105 100
120 43.0 23.6 71.0

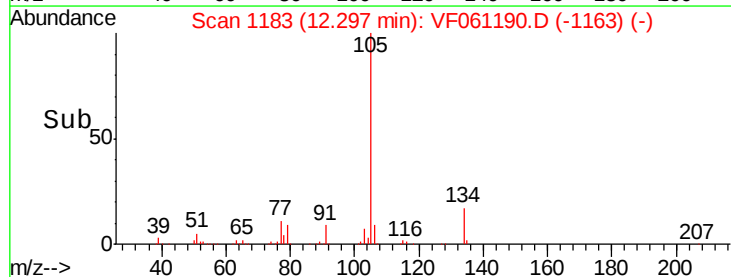
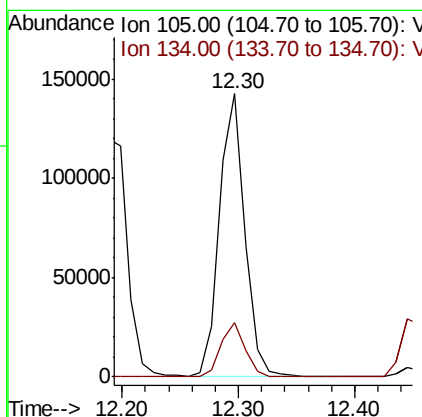
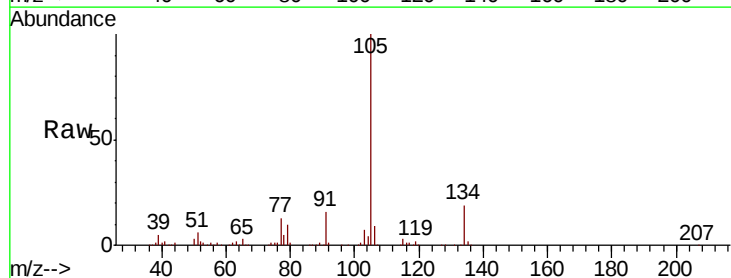
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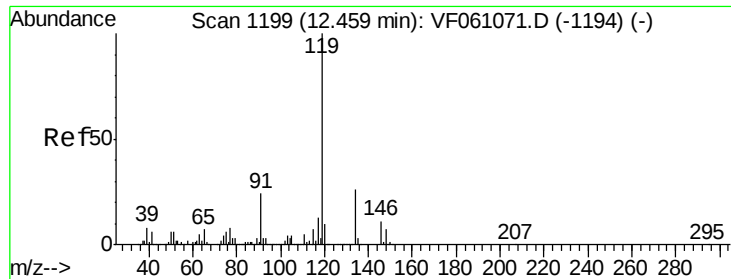
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#85
sec-Butylbenzene
Concen: 46.210 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion:105 Resp: 214829
Ion Ratio Lower Upper
105 100
134 19.3 9.4 28.2





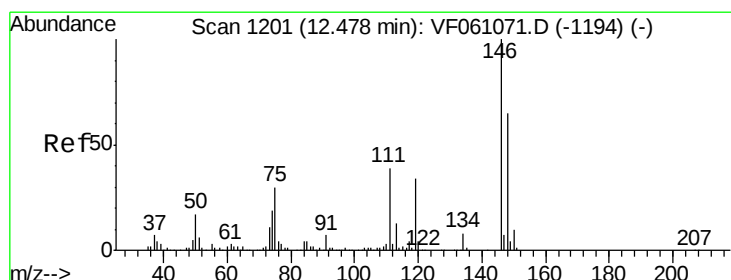
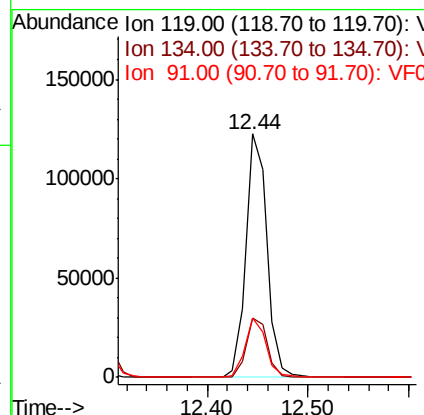
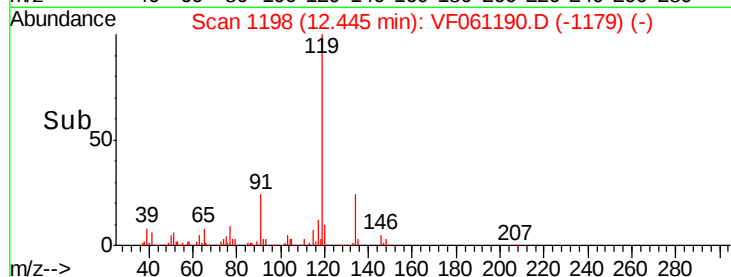
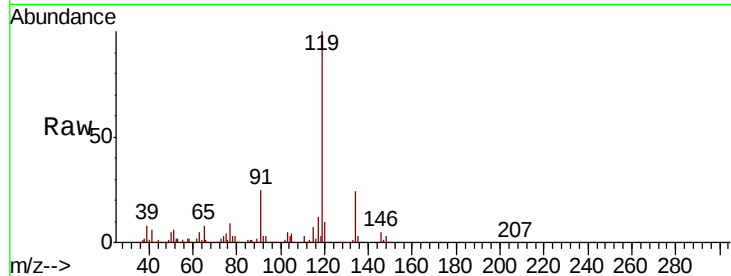
#86
 p-Isopropyltoluene
 Concen: 46.293 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.1	12.8	38.4
91	24.6	12.2	36.6

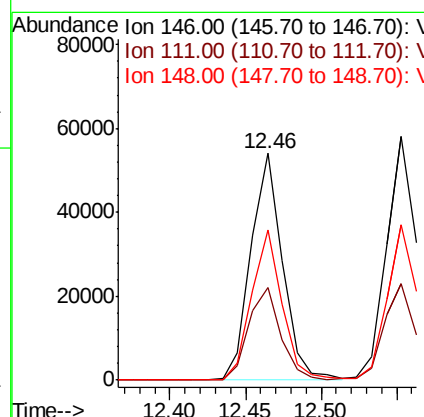
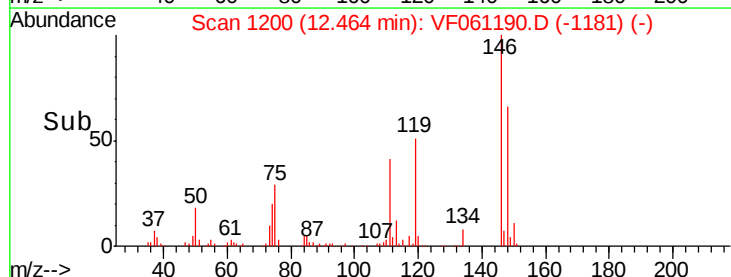
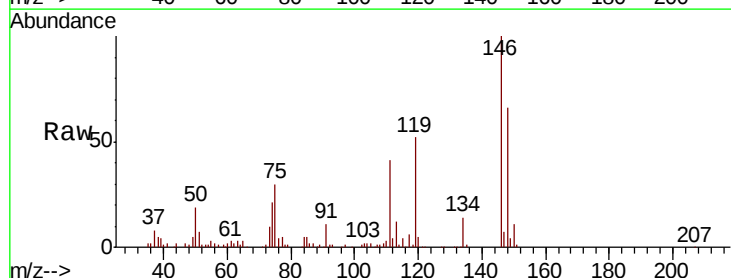
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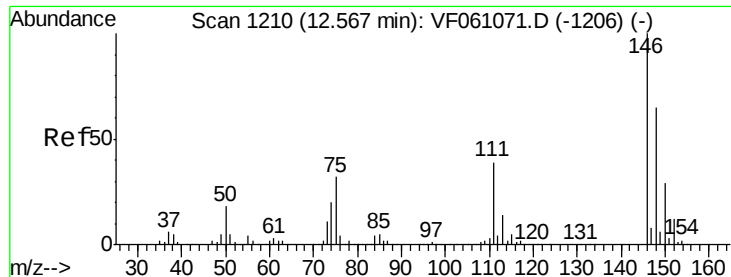
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#87
 1,3-Dichlorobenzene
 Concen: 54.042 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.3	57.9
148	66.2	32.4	97.2





#88

1,4-Dichlorobenzene

Concen: 50.376 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

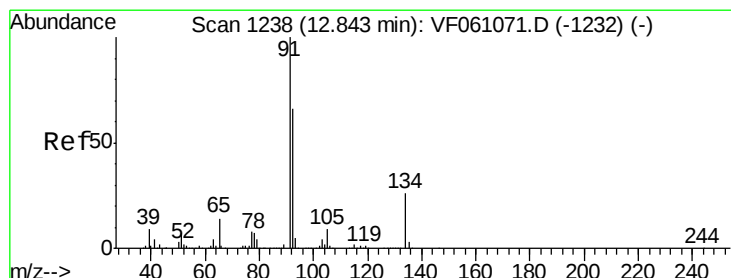
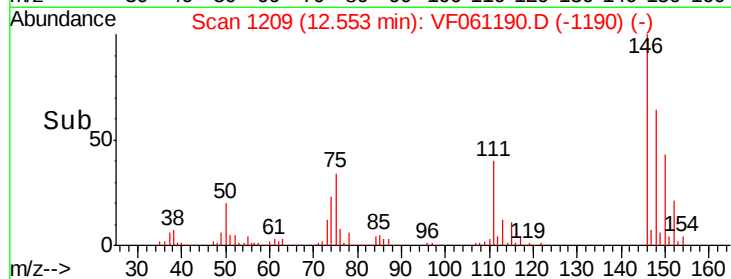
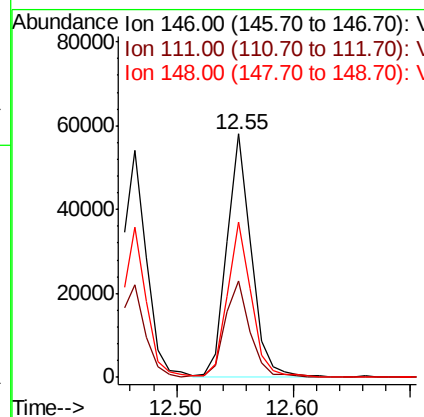
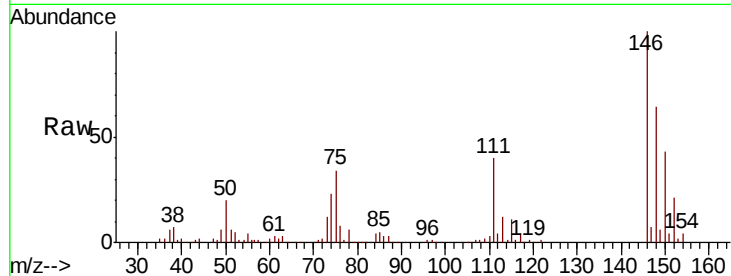
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	146	Resp:	83720
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.4	58.4
148	63.5	32.4	97.0

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#89

n-Butylbenzene

Concen: 34.032 ug/l

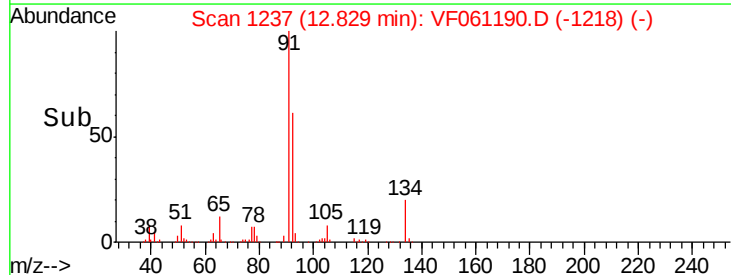
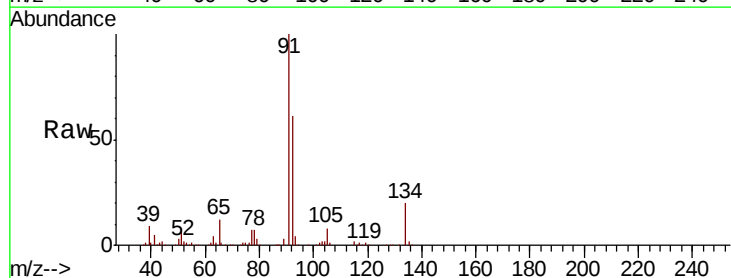
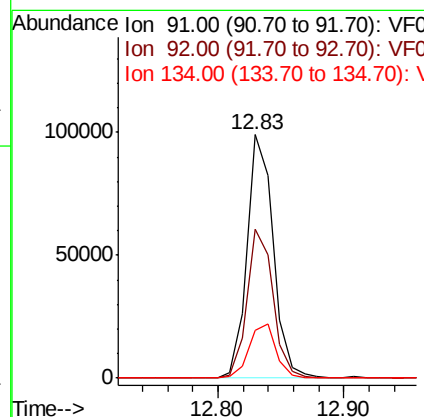
RT: 12.83 min Scan# 1237

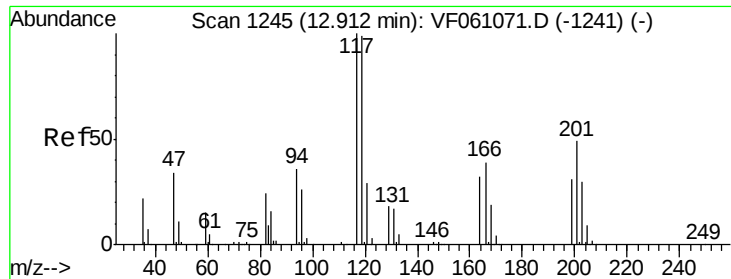
Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	91	Resp:	142495
Ion Ratio	Lower	Upper	
91	100		
92	61.0	32.8	98.4
134	19.5	13.2	39.5





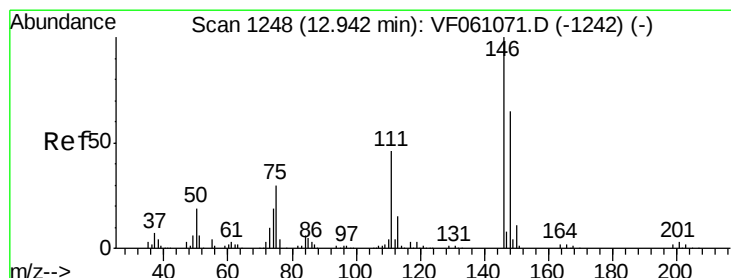
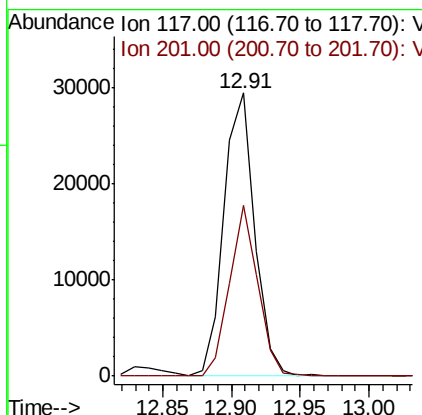
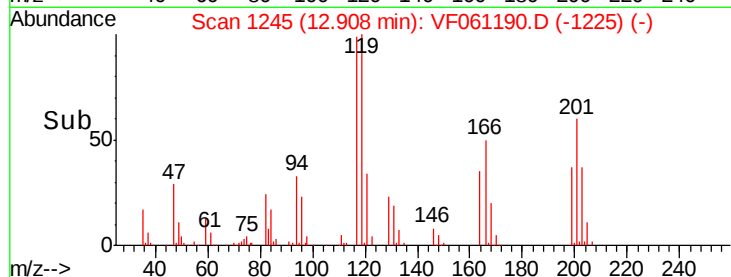
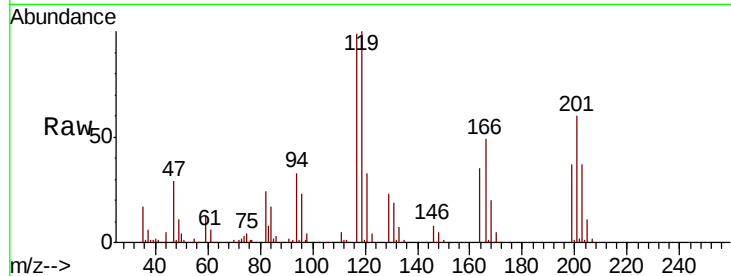
#90
Hexachloroethane
Concen: 48.122 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MSD

Tot Ion:117 Resp: 45879
Ion Ratio Lower Upper
117 100
201 62.0 24.9 74.8

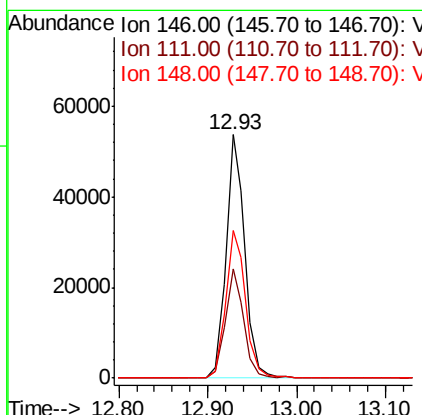
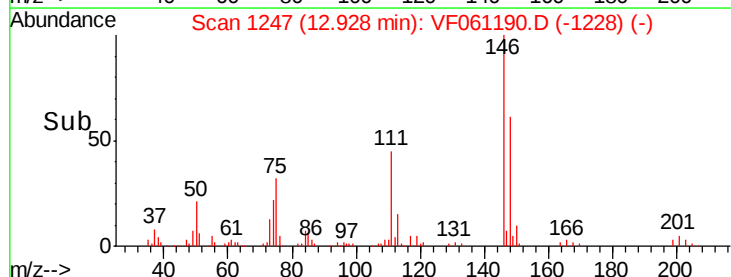
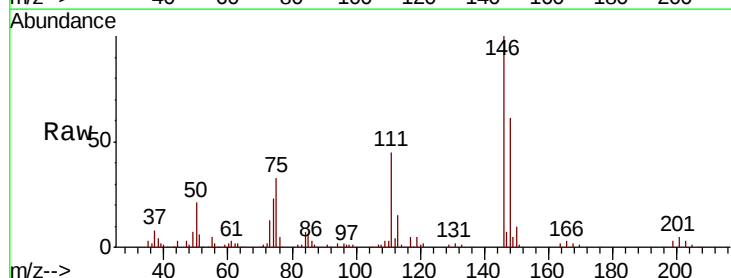
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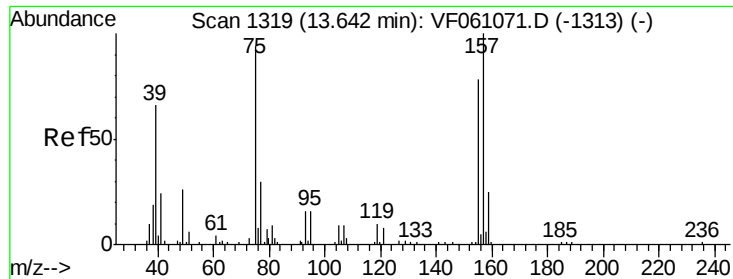
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#91
1,2-Dichlorobenzene
Concen: 49.579 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VF061190.D
Acq: 26 Dec 2018 16:06

Tgt Ion:146 Resp: 80218
Ion Ratio Lower Upper
146 100
111 45.0 23.2 69.5
148 60.7 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 97.372 ug/l

RT: 13.63 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

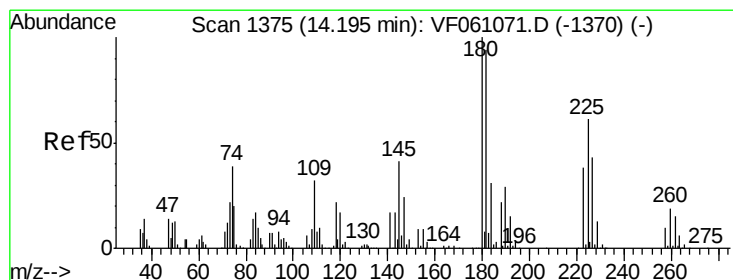
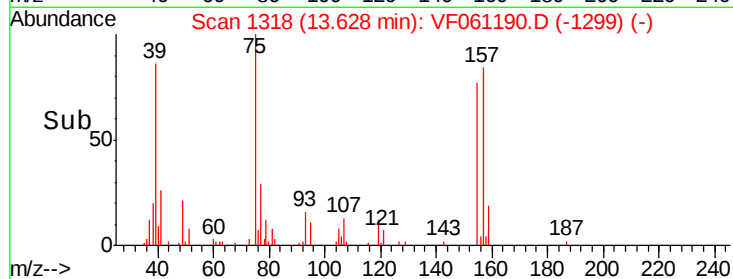
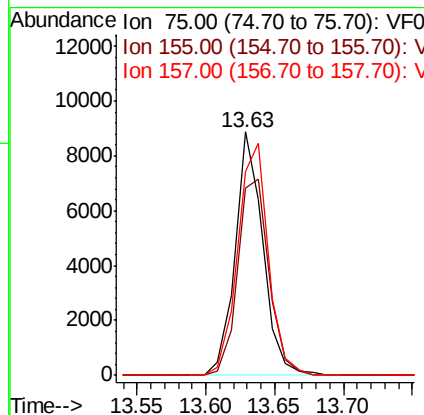
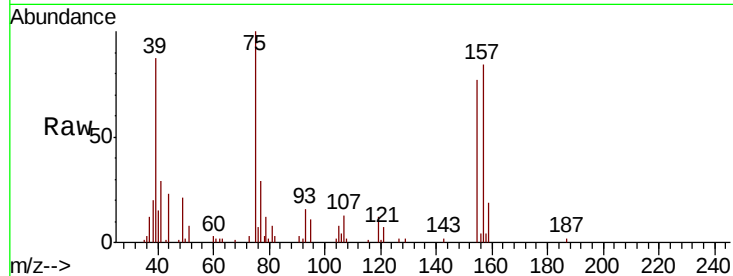
ClientSampleId :

P001-SS025-1218-01MSD

Tot Ion:	75	Resp:	12468
Ion Ratio	Lower	Upper	
75	100		
155	76.8	41.5	124.5
157	83.9	53.2	159.6

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#93

1,2,4-Trichlorobenzene

Concen: 25.519 ug/l

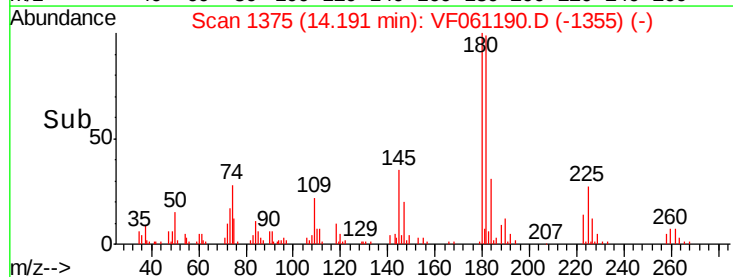
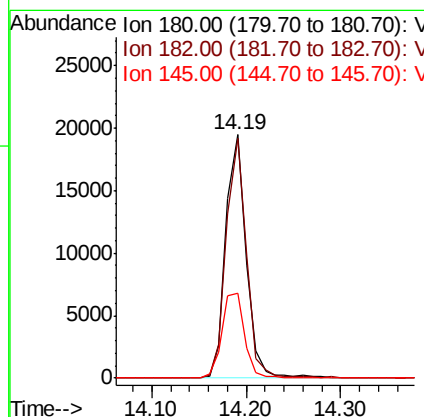
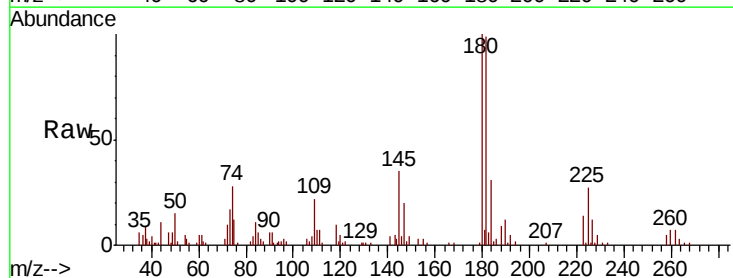
RT: 14.19 min Scan# 1375

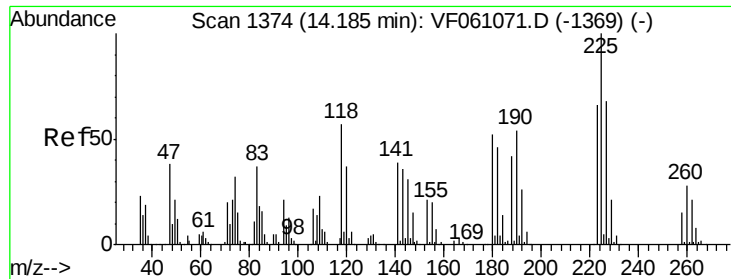
Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	180	Resp:	29282
Ion Ratio	Lower	Upper	
180	100		
182	98.6	46.9	140.6
145	34.8	20.5	61.6





#94

Hexachlorobutadiene

Concen: 19.831 ug/l

RT: 14.18 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Instrument :

MSVOA_F

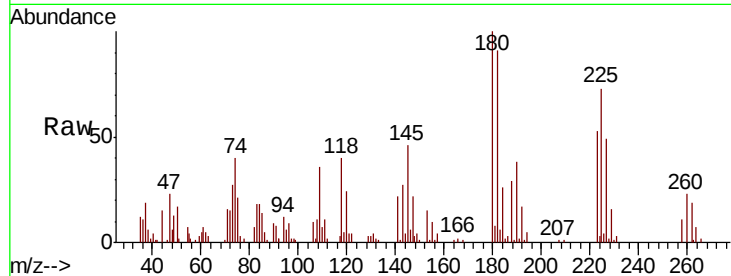
ClientSampleId :

P001-SS025-1218-01MSD

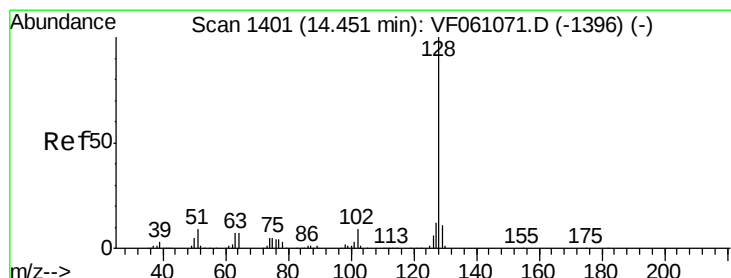
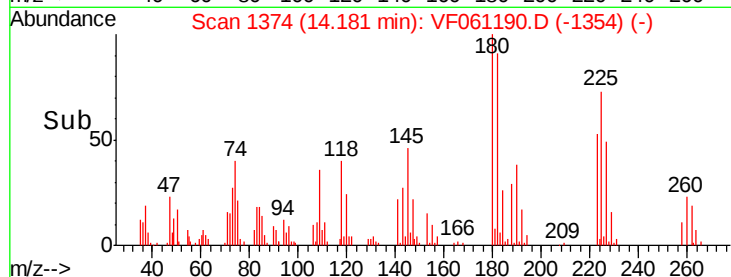
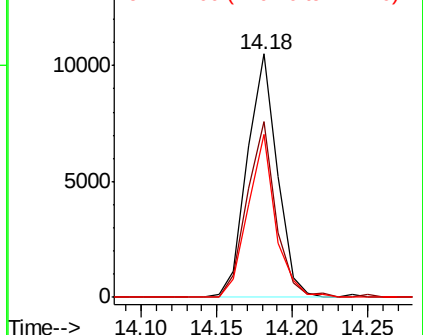
Tot Ion:	225	Resp:	14493
Ion Ratio	Lower	Upper	
225	100		
223	72.2	32.8	98.3
227	66.8	34.0	101.8

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Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V



#95

Naphthalene

Concen: 38.939 ug/l

RT: 14.45 min Scan# 1401

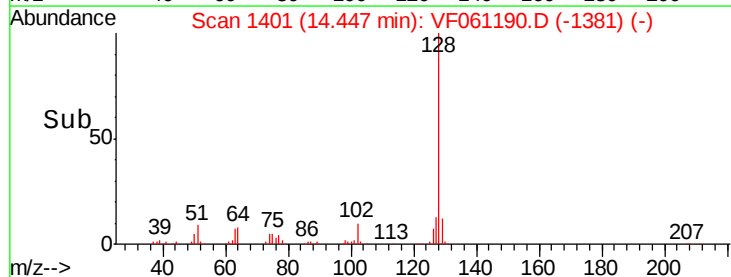
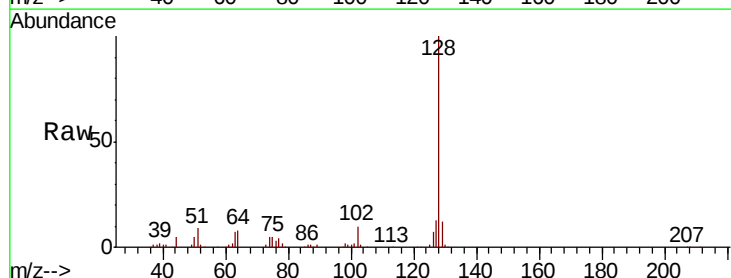
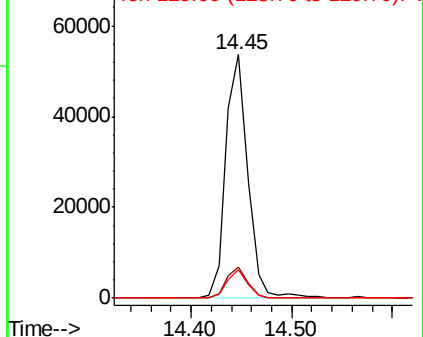
Delta R.T. -0.00 min

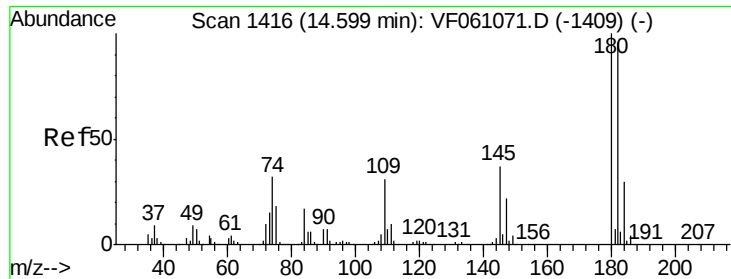
Lab File: VF061190.D

Acq: 26 Dec 2018 16:06

Tgt Ion:	128	Resp:	81590
Ion Ratio	Lower	Upper	
128	100		
127	12.7	9.4	14.2
129	11.7	8.8	13.2

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: 23.123 ug/l
 RT: 14.60 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VF061190.D
 Acq: 26 Dec 2018 16:06

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MSD

Tot Ion:	180	Resp:	24528
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.8
145	34.7	18.6	55.8

Manual Integrations
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