

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122618\
 Data File : VF061189.D
 Acq On : 26 Dec 2018 15:38
 Operator : VA/AP
 Sample : J6447-09MS
 Misc : 5.35g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Dec 26 23:52:43 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	17771	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	26988	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	16318	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	4040	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	6351	27.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	55.58%	
35) Dibromofluoromethane	4.09	113	10002	46.26	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	7.54	98	30439	49.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.39	95	7728	27.36	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	54.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.96	85	29537	74.770	ug/l 97
3) Chloromethane	1.10	50	15266	67.464	ug/l 95
4) Vinyl Chloride	1.14	62	16656	79.347	ug/l 96
5) Bromomethane	1.31	94	10762	73.916	ug/l 88
6) Chloroethane	1.36	64	7434	76.858	ug/l 94
7) Trichlorofluoromethane	1.47	101	35084	87.534	ug/l 91
8) Diethyl Ether	1.62	74	1718	31.302	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	1.81	101	15443	74.312	ug/l 94
10) Methyl Iodide	1.88	142	16329	49.848	ug/l # 91
11) Tert butyl alcohol	2.57	59	715	77.519	ug/l # 65
12) 1,1-Dichloroethene	1.77	96	12721	81.206	ug/l # 92
13) Acrolein	2.00	56	275	41.261	ug/l # 74
14) Allyl chloride	2.08	41	18143	111.292	ug/l 89
15) Acrylonitrile	2.94	53	2664	124.903	ug/l # 91
16) Acetone	2.23	43	3884	85.002	ug/l 94
17) Carbon Disulfide	1.80	76	36110	76.277	ug/l 96
18) Methyl Acetate	2.42	43	3626	38.356	ug/l 94
19) Methyl tert-butyl Ether	2.43	73	7643	21.981	ug/l 96
20) Methylene Chloride	2.21	84	6543	44.299	ug/l # 76
21) trans-1,2-Dichloroethene	2.30	96	9796	58.467	ug/l 89
22) Diisopropyl ether	2.78	45	18916	34.835	ug/l # 85
23) Vinyl Acetate	3.17	43	1496	5.972	ug/l # 78
24) 1,1-Dichloroethane	2.86	63	17540	54.516	ug/l # 95
25) 2-Butanone	4.34	43	9117	123.028	ug/l # 57
26) 2,2-Dichloropropane	3.58	77	17423	94.362	ug/l 100
27) cis-1,2-Dichloroethene	3.46	96	11112	43.321	ug/l 90
28) Bromochloromethane	3.70	49	5761	35.289	ug/l # 82
29) Tetrahydrofuran	4.06	42	3508	116.307	ug/l 89
30) Chloroform	3.85	83	20674	42.854	ug/l 92
31) Cyclohexane	3.68	56	23856	71.455	ug/l # 81
32) 1,1,1-Trichloroethane	4.08	97	26337	91.082	ug/l 99
36) 1,1-Dichloropropene	4.26	75	22025	67.611	ug/l 98
37) Ethyl Acetate	4.11	43	2363	16.616	ug/l # 1
38) Carbon Tetrachloride	4.07	117	2642	10.650	ug/l 89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	19730	67.510	ug/l	91
40) Benzene	4.62	78	38493	54.946	ug/l	94
41) Methacrylonitrile	4.72	41	1508	21.919	ug/l #	64
42) 1,2-Dichloroethane	4.92	62	8091	30.403	ug/l	96
43) Isopropyl Acetate	6.99	43	1068	6.790	ug/l #	45
44) Trichloroethene	5.49	130	13152	59.547	ug/l	97
45) 1,2-Dichloropropane	6.22	63	6716	35.236	ug/l	94
46) Dibromomethane	6.07	93	3164	25.595	ug/l #	70
47) Bromodichloromethane	6.36	83	11158	34.739	ug/l #	83
48) Methyl methacrylate	6.70	41	2443	22.248	ug/l #	83
49) 1,4-Dioxane	6.70	88	242	303.726	ug/l #	56
51) 4-Methyl-2-Pentanone	8.25	43	3866	35.837	ug/l #	85
52) Toluene	7.61	92	23176	49.977	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	6024	23.249	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	10286	31.629	ug/l	93
55) 1,1,2-Trichloroethane	8.47	97	3538	25.450	ug/l	88
56) Ethyl methacrylate	8.62	69	464	3.084	ug/l	99
57) 1,3-Dichloropropane	8.84	76	6070	24.141	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.27	63	1079	37.347	ug/l #	90
59) 2-Hexanone	9.48	43	232	2.974	ug/l #	27
60) Dibromochloromethane	8.70	129	4762	23.896	ug/l	97
61) 1,2-Dibromoethane	8.97	107	3179	21.411	ug/l	89
64) Tetrachloroethene	8.14	164	8728	69.531	ug/l	92
65) Chlorobenzene	9.78	112	18459	54.757	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.92	131	6755	49.034	ug/l	97
67) Ethyl Benzene	9.89	91	41650	67.818	ug/l	97
68) m/p-Xylenes	10.11	106	27547	127.454	ug/l	90
69) o-Xylene	10.70	106	11448	47.758	ug/l	87
70) Styrene	10.77	104	14345	49.015	ug/l	92
71) Bromoform	10.76	173	1766	27.708	ug/l	92
73) Isopropylbenzene	11.11	105	43924	126.165	ug/l	99
74) N-amyl acetate	11.38	43	228	2.950	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.69	83	3228	55.866	ug/l #	87
76) 1,2,3-Trichloropropane	11.79	75	2707	62.953	ug/l	82
77) Bromobenzene	11.48	156	4764	63.567	ug/l	82
78) n-propylbenzene	11.58	91	48028	Below Cal		95
79) 2-Chlorotoluene	11.71	91	22143	92.715	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	27963	97.543	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	1534	83.019	ug/l	87
82) 4-Chlorotoluene	11.89	91	19896	80.530	ug/l	98
83) tert-Butylbenzene	12.11	119	33357	113.077	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	20761	72.623	ug/l	99
85) sec-Butylbenzene	12.29	105	41922	108.897	ug/l	98
86) p-Isopropyltoluene	12.45	119	28862	90.322	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	8216	69.246	ug/l	95
88) 1,4-Dichlorobenzene	12.56	146	8254	59.978	ug/l	90
89) n-Butylbenzene	12.83	91	22802	84.698	ug/l	92
90) Hexachloroethane	12.90	117	6541	82.852	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	5934	44.290	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	13.63	75	405	38.197	ug/l	80

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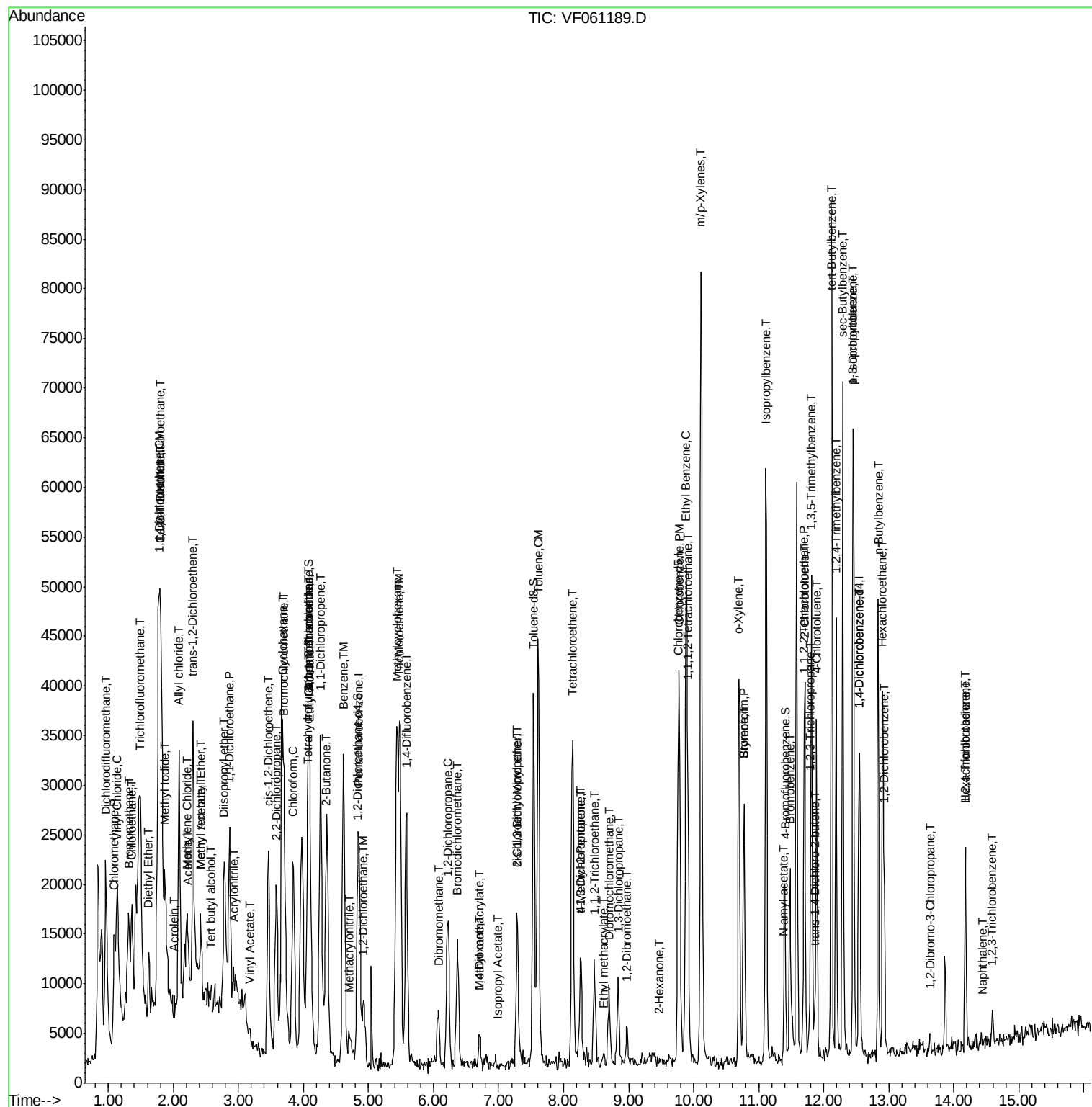
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	1439	15.144	ug/l	84
94) Hexachlorobutadiene	14.18	225	2247	37.129	ug/l	89
95) Naphthalene	14.45	128	232	1.337	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.59	180	862	9.813	ug/l	80

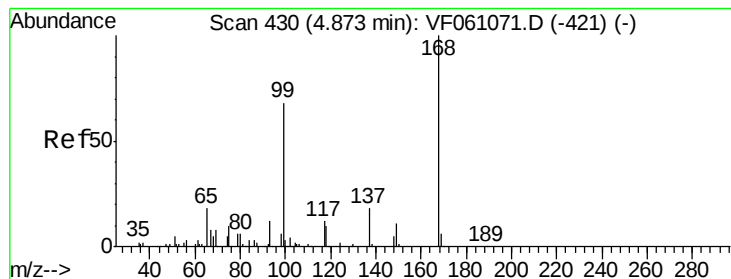
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

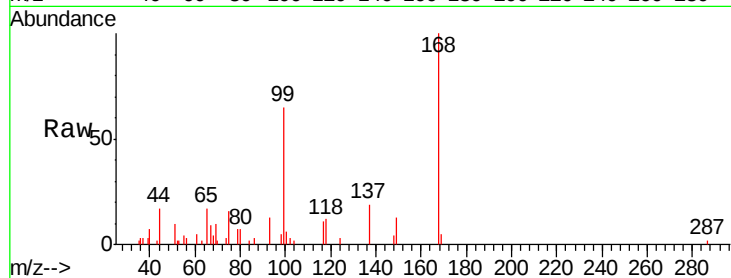
P001-SS025-1218-01MS

Tgt Ion:168 Resp: 17771

Ion Ratio Lower Upper

168 100

99 65.4 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

6000

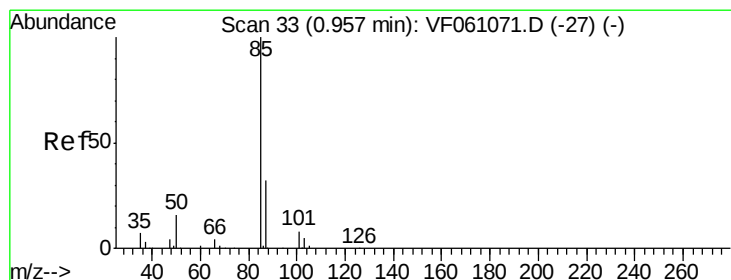
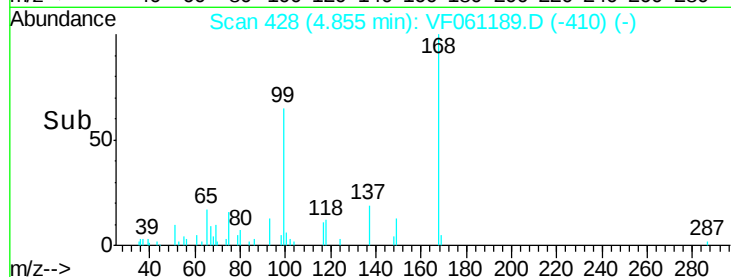
4000

2000

0

4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 74.770 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061189.D

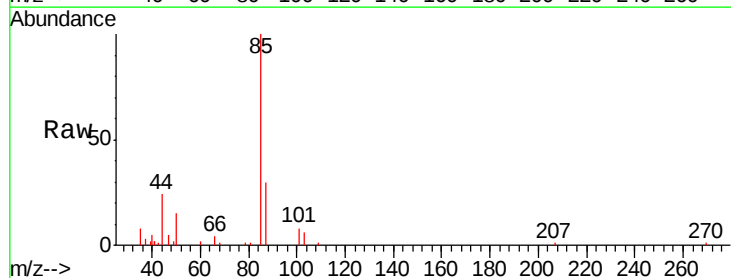
Acq: 26 Dec 2018 15:38

Tgt Ion: 85 Resp: 29537

Ion Ratio Lower Upper

85 100

87 30.3 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

10000

8000

6000

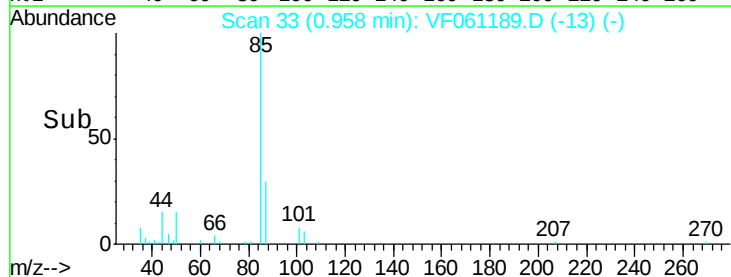
4000

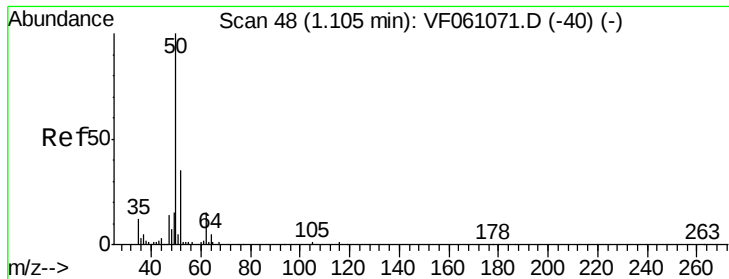
2000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 67.464 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

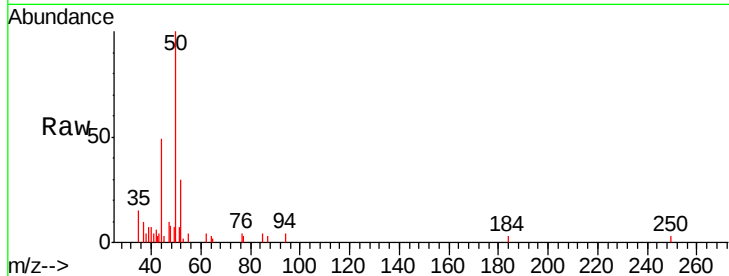
P001-SS025-1218-01MS

Tgt Ion: 50 Resp: 15266

Ion Ratio Lower Upper

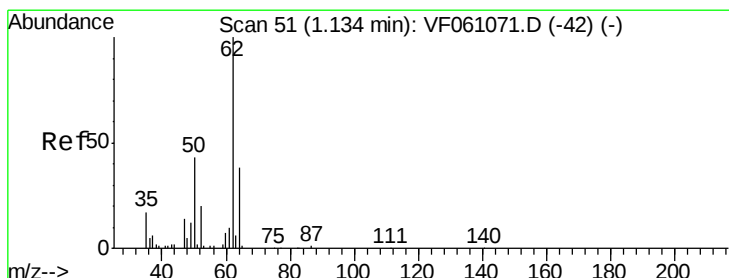
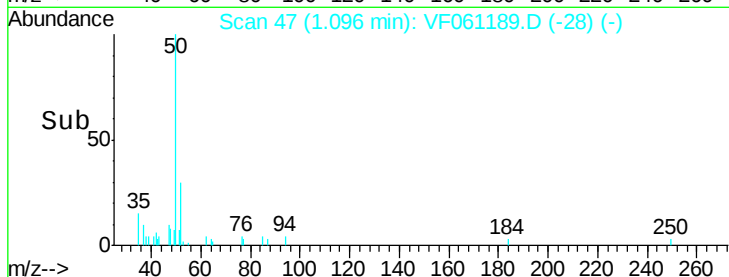
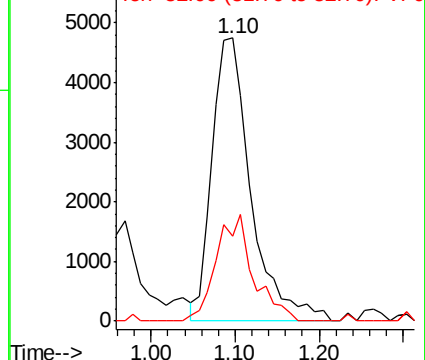
50 100

52 30.1 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 79.347 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061189.D

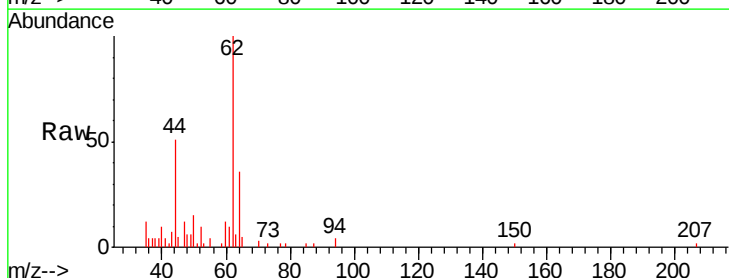
Acq: 26 Dec 2018 15:38

Tgt Ion: 62 Resp: 16656

Ion Ratio Lower Upper

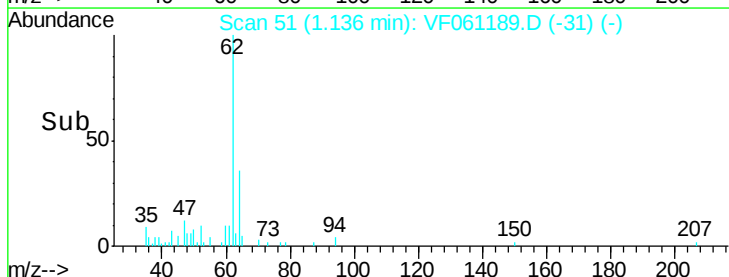
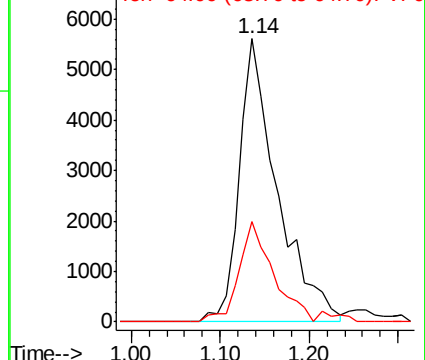
62 100

64 35.5 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 73.916 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

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ClientSampleId :

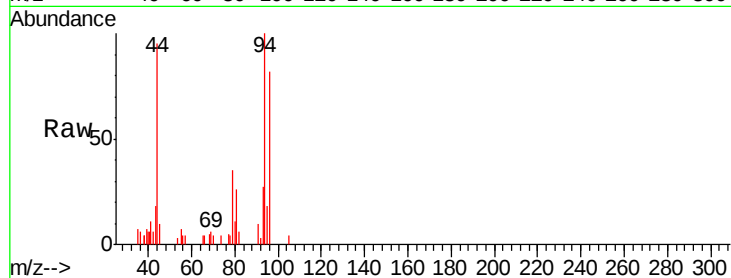
P001-SS025-1218-01MS

Tgt Ion: 94 Resp: 10762

Ion Ratio Lower Upper

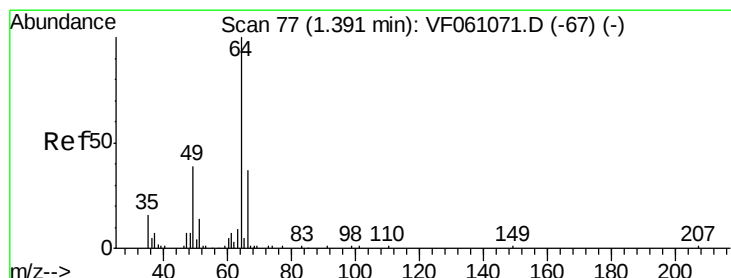
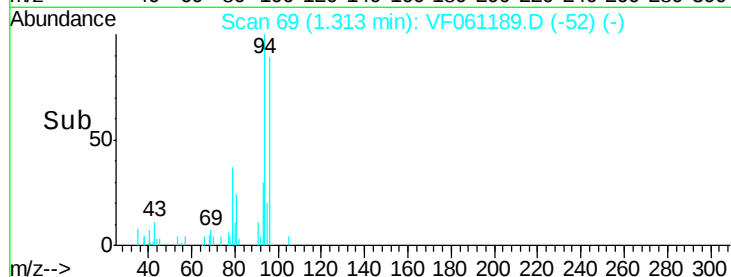
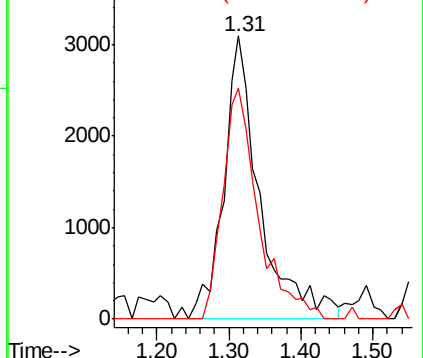
94 100

96 81.8 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 76.858 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF061189.D

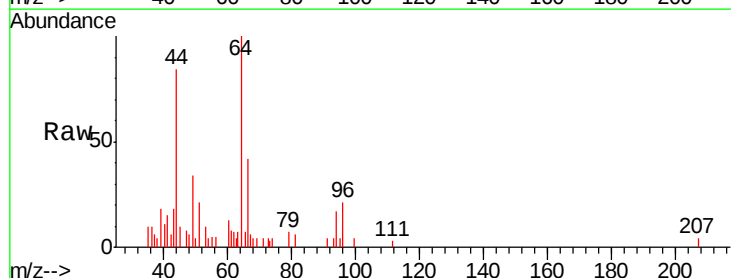
Acq: 26 Dec 2018 15:38

Tgt Ion: 64 Resp: 7434

Ion Ratio Lower Upper

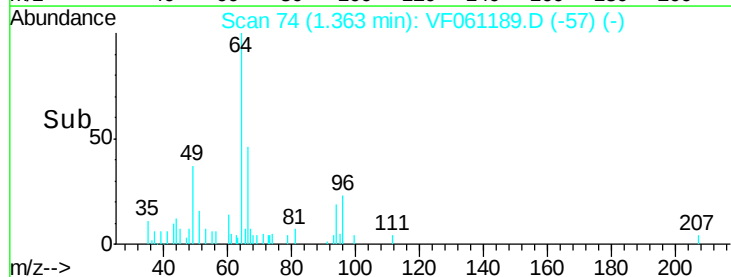
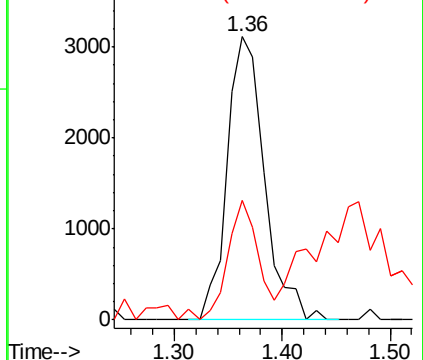
64 100

66 42.2 30.9 46.3



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



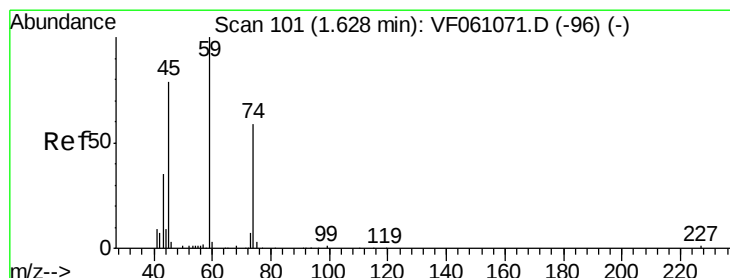
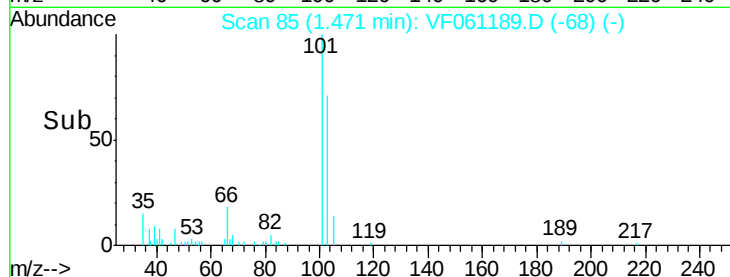
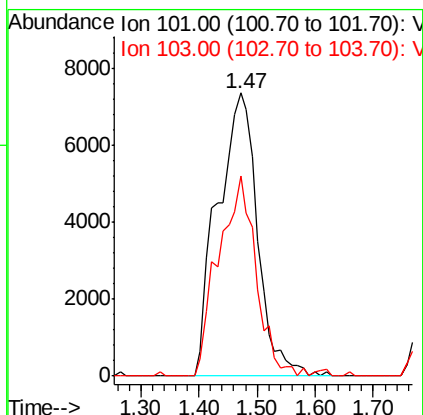
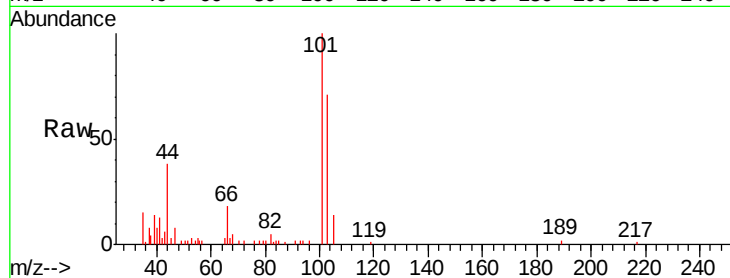


#7

Trichlorofluoromethane
 Concen: 87.534 ug/l
 RT: 1.47 min Scan# 85
 Delta R.T. -0.03 min
 Lab File: VF061189.D
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Instrument :
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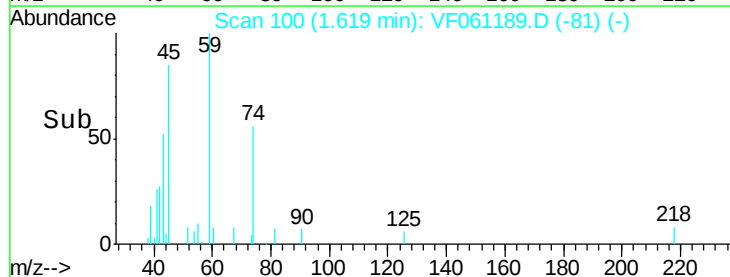
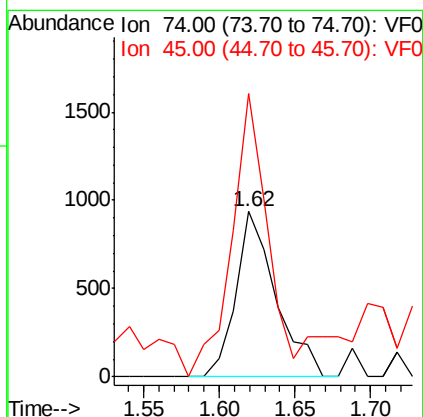
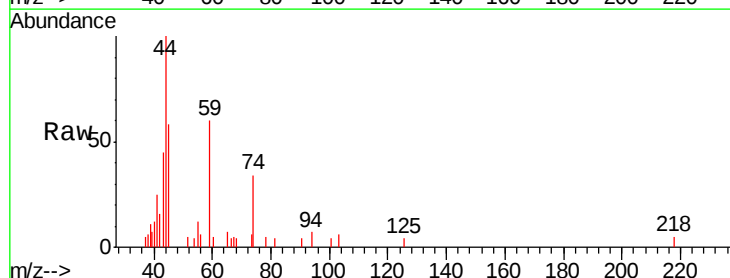
Tgt Ion: 101 Resp: 35084
 Ion Ratio Lower Upper
 101 100
 103 70.6 50.7 76.1



#8

Diethyl Ether
 Concen: 31.302 ug/l
 RT: 1.62 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion: 74 Resp: 1718
 Ion Ratio Lower Upper
 74 100
 45 171.3 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 74.312 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

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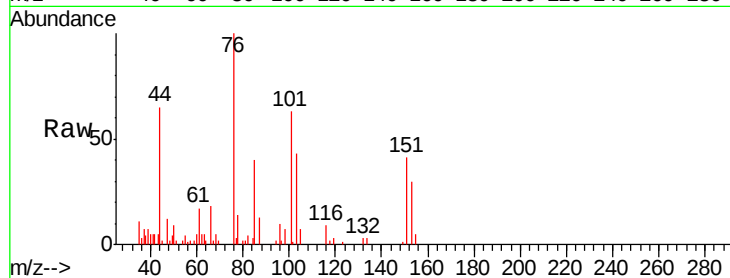
Tgt Ion:101 Resp: 15443

Ion Ratio Lower Upper

101 100

85 62.6 44.5 66.7

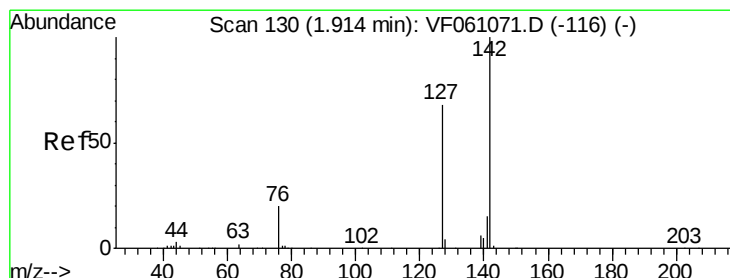
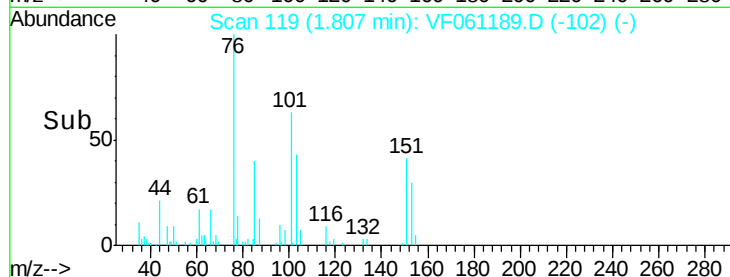
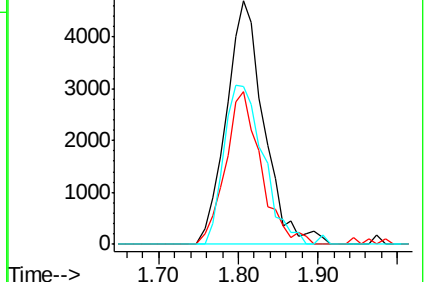
151 64.9 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 49.848 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.04 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

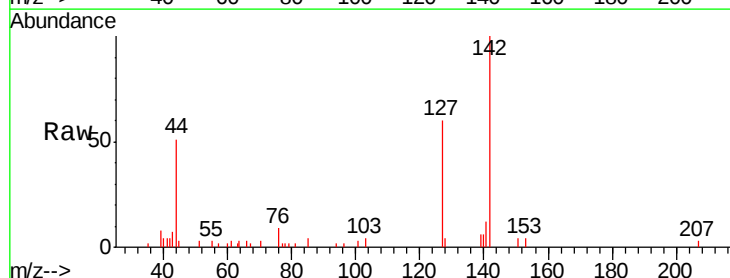
Tgt Ion:142 Resp: 16329

Ion Ratio Lower Upper

142 100

127 60.4 54.7 82.1

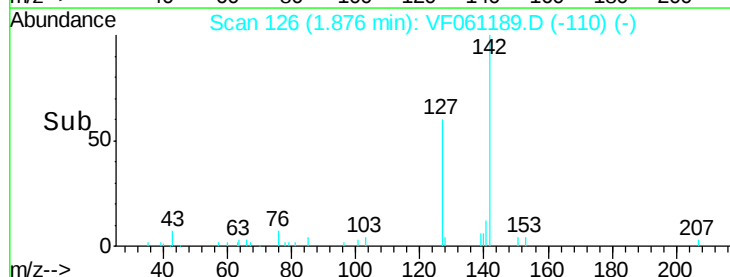
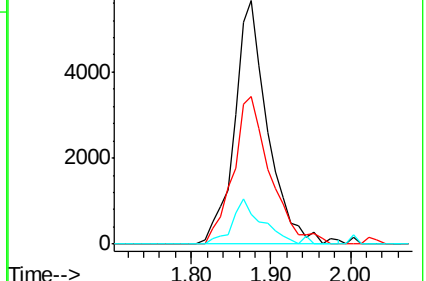
141 12.1 12.2 18.2#

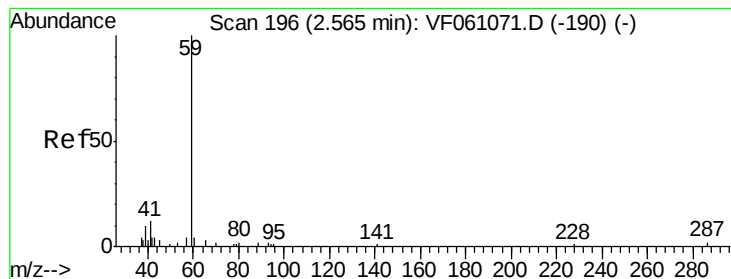


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 77.519 ug/l

RT: 2.57 min Scan# 196

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

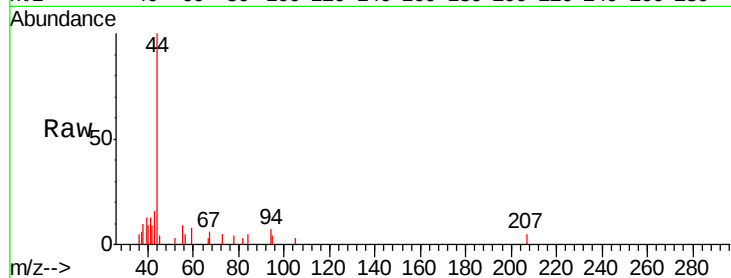
P001-SS025-1218-01MS

Tgt Ion: 59 Resp: 715

Ion Ratio Lower Upper

59 100

57 0.0 11.5 17.3#



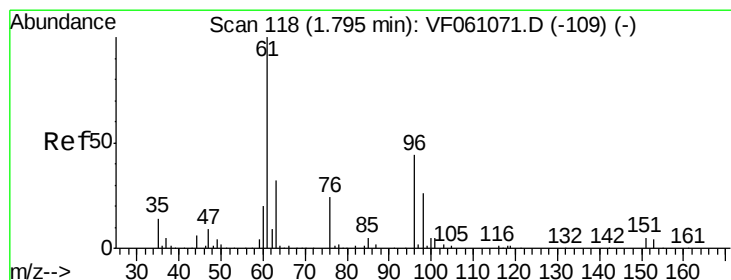
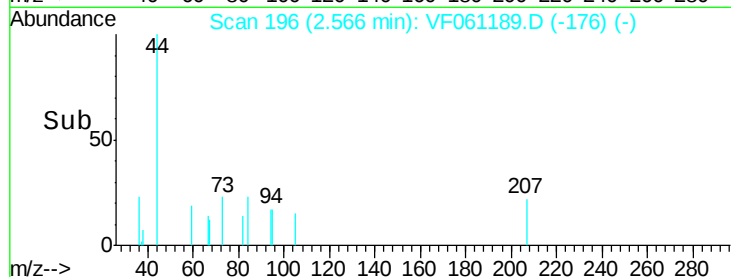
Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

2.57

2.50 2.55 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 81.206 ug/l

RT: 1.77 min Scan# 115

Delta R.T. -0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

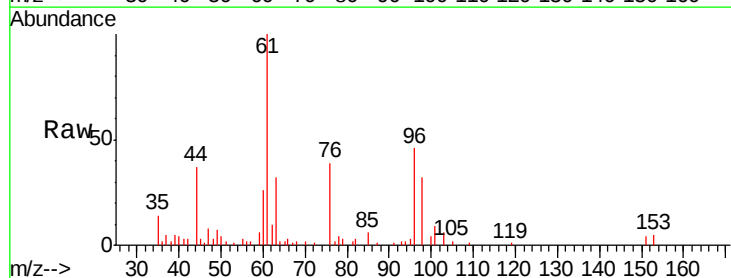
Tgt Ion: 96 Resp: 12721

Ion Ratio Lower Upper

96 100

61 218.3 182.0 273.0

98 70.7 46.5 69.7#



Abundance Ion 96.00 (95.70 to 96.70): VF0

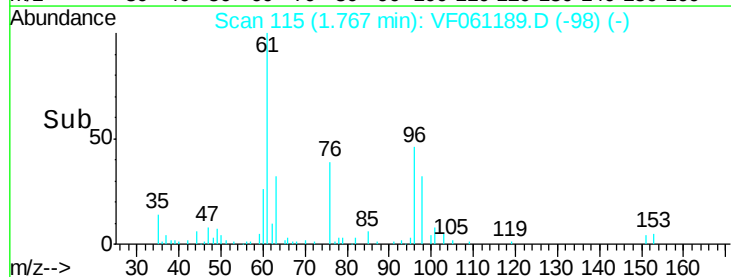
Ion 61.00 (60.70 to 61.70): VF0

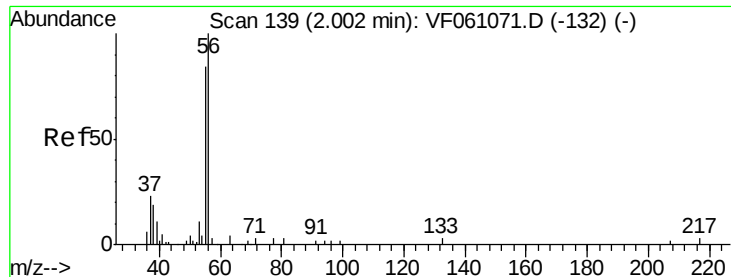
Ion 98.00 (97.70 to 98.70): VF0

1.77

1.70 1.80 1.90

Time-->





#13

Acrolein

Concen: 41.261 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

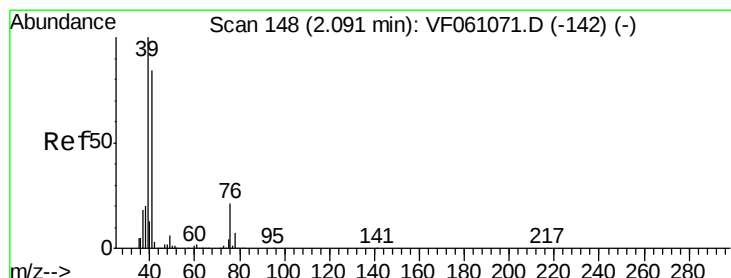
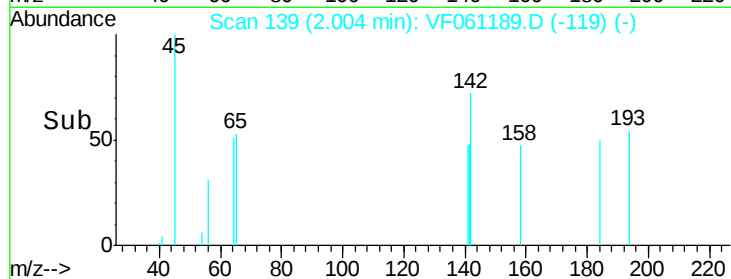
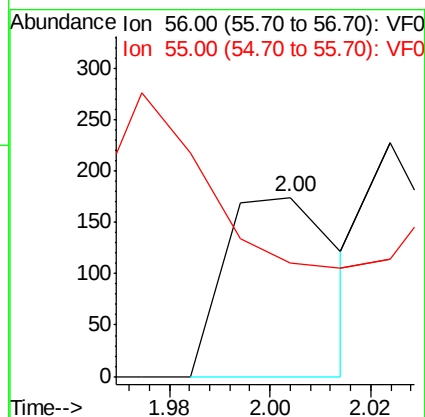
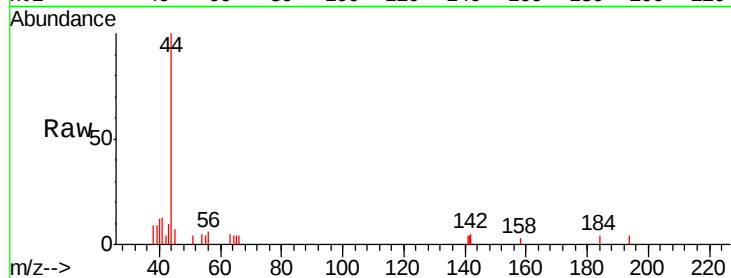
P001-SS025-1218-01MS

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 63.8 70.2 105.2#



#14

Allyl chloride

Concen: 111.292 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

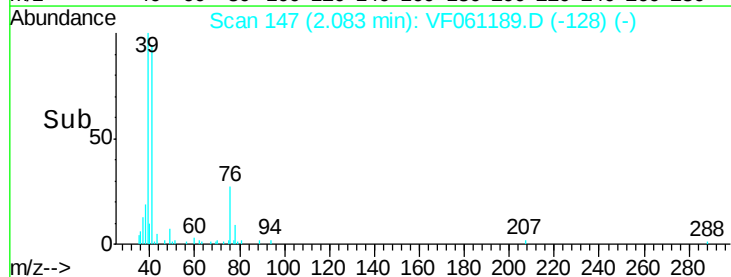
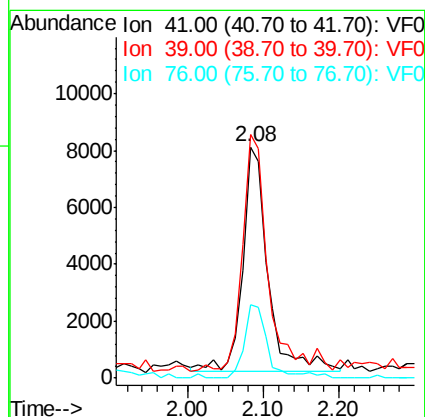
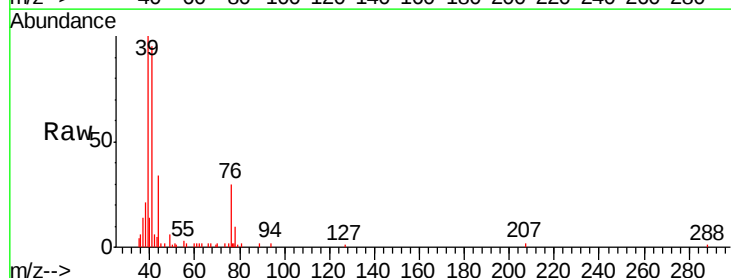
Tgt Ion: 41 Resp: 18143

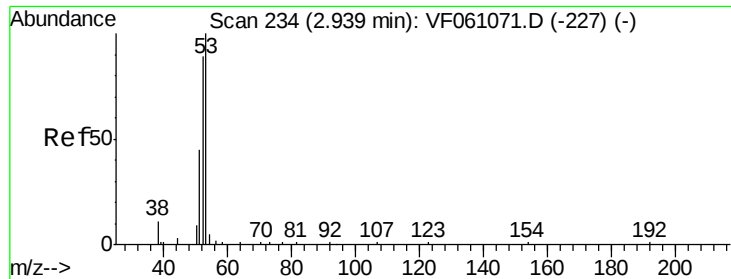
Ion Ratio Lower Upper

41 100

39 105.4 96.4 144.6

76 31.5 25.4 38.0





#15

Acrylonitrile

Concen: 124.903 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

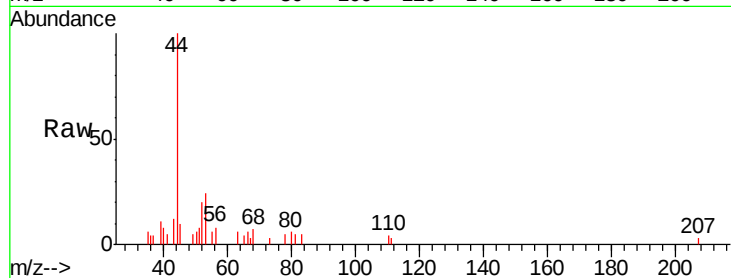
Tgt Ion: 53 Resp: 2664

Ion Ratio Lower Upper

53 100

52 86.2 71.3 106.9

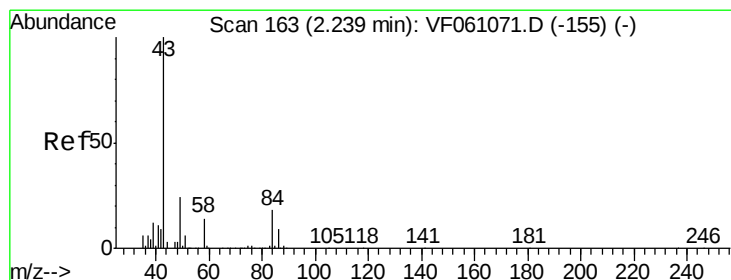
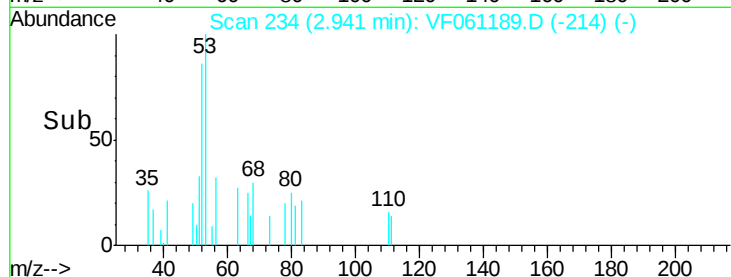
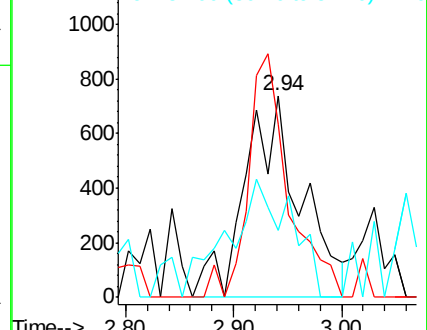
51 33.1 36.8 55.2#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 85.002 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061189.D

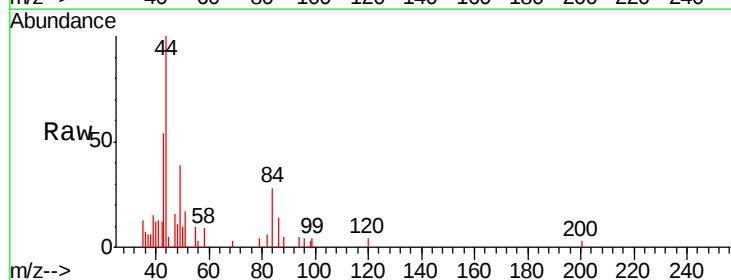
Acq: 26 Dec 2018 15:38

Tgt Ion: 43 Resp: 3884

Ion Ratio Lower Upper

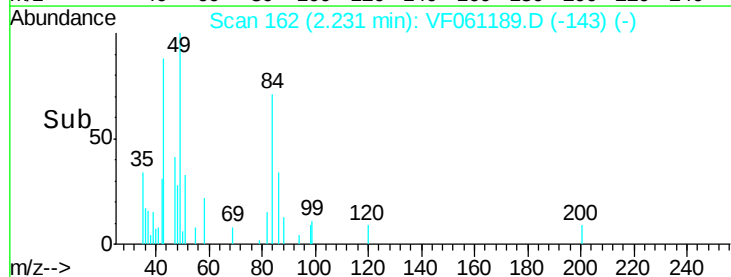
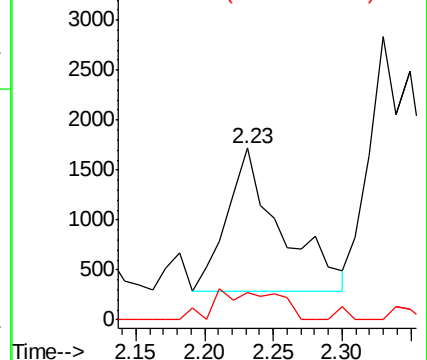
43 100

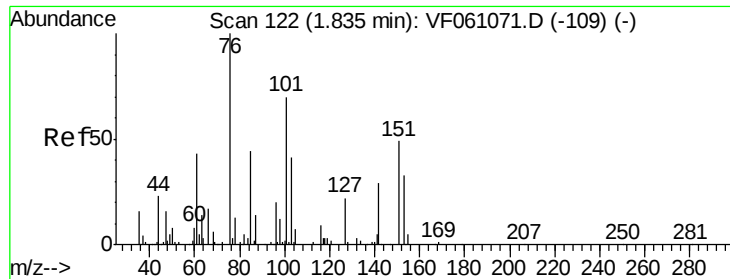
58 16.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

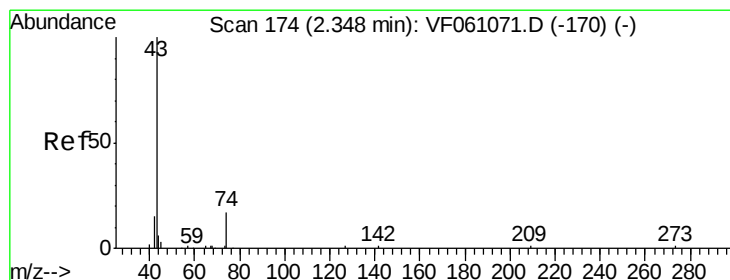
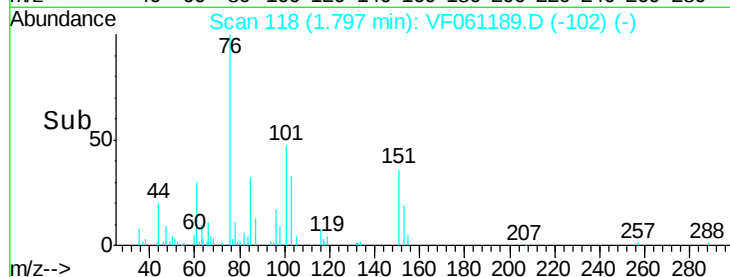
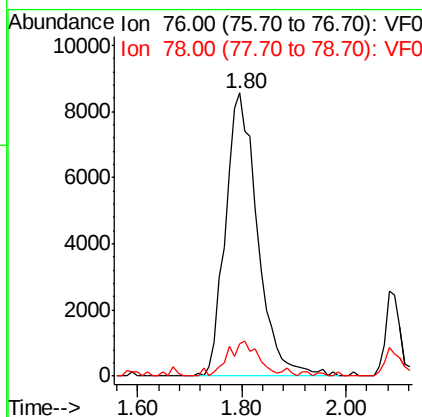
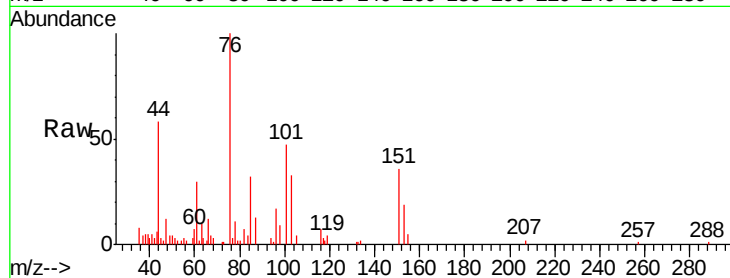




#17
Carbon Disulfide
Concen: 76.277 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.04 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

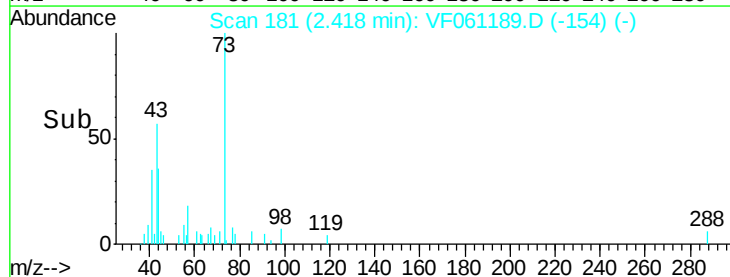
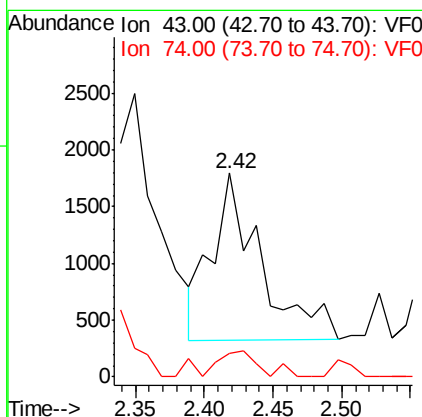
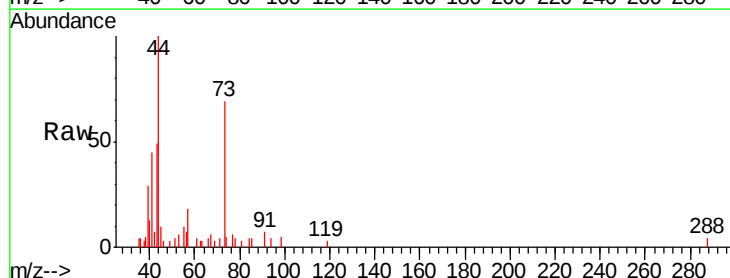
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

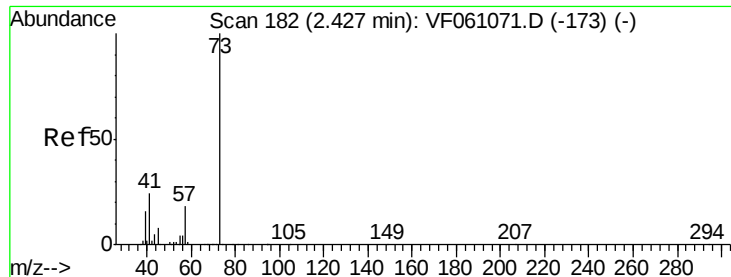
Tgt Ion: 76 Resp: 36110
Ion Ratio Lower Upper
76 100
78 11.4 10.2 15.4



#18
Methyl Acetate
Concen: 38.356 ug/l
RT: 2.42 min Scan# 181
Delta R.T. 0.07 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion: 43 Resp: 3626
Ion Ratio Lower Upper
43 100
74 11.3 11.0 16.6



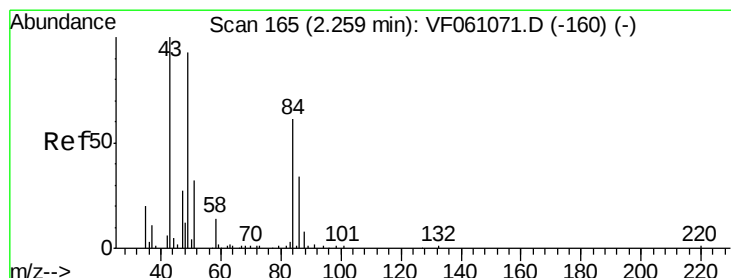
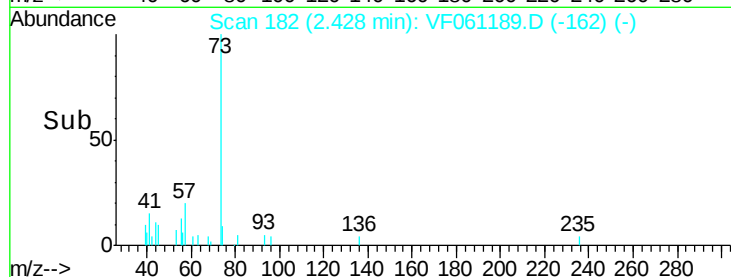
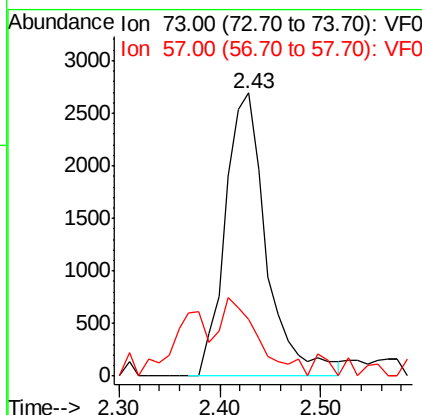
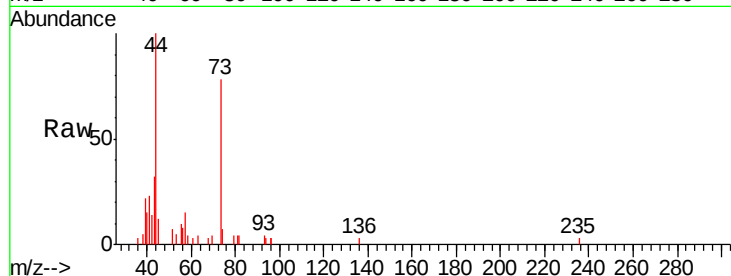


#19

Methyl tert-butyl Ether
 Concen: 21.981 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

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

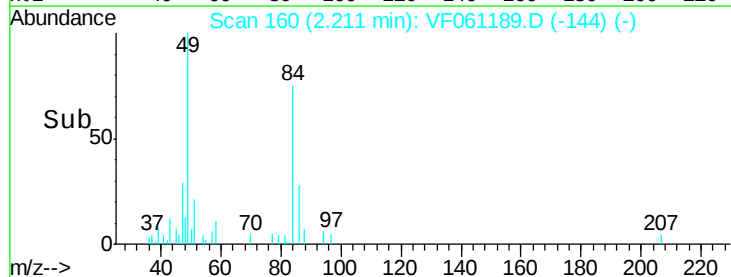
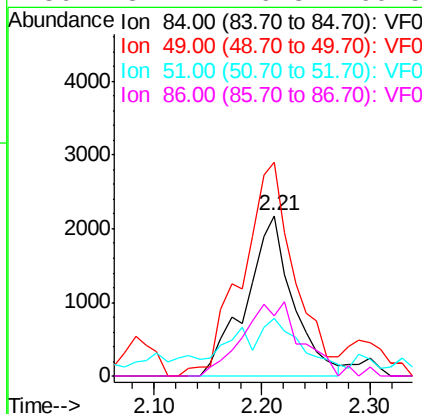
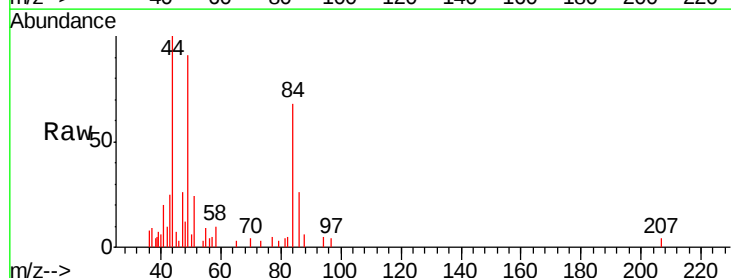
Tgt Ion: 73 Resp: 7643
 Ion Ratio Lower Upper
 73 100
 57 19.9 14.5 21.7

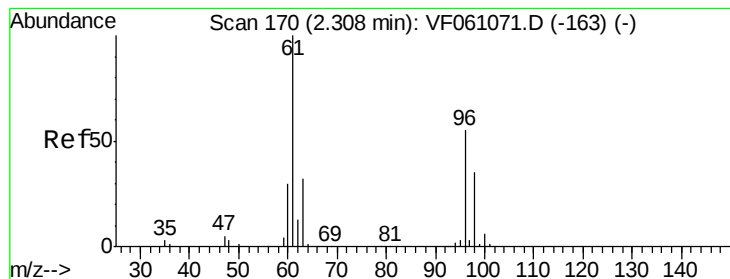


#20

Methylene Chloride
 Concen: 44.299 ug/l
 RT: 2.21 min Scan# 160
 Delta R.T. -0.05 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion: 84 Resp: 6543
 Ion Ratio Lower Upper
 84 100
 49 133.3 129.4 194.2
 51 35.7 44.0 66.0#
 86 37.7 46.3 69.5#





#21

trans-1,2-Dichloroethene

Concen: 58.467 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

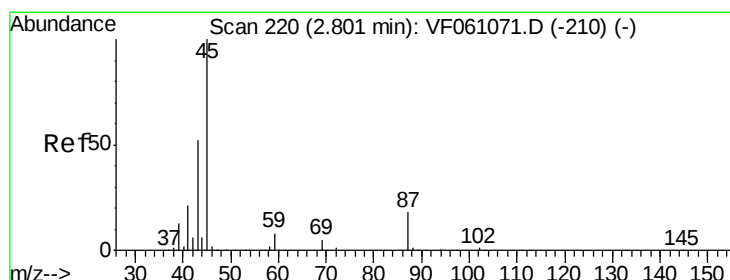
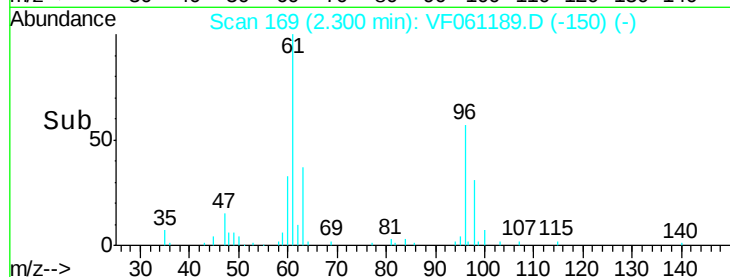
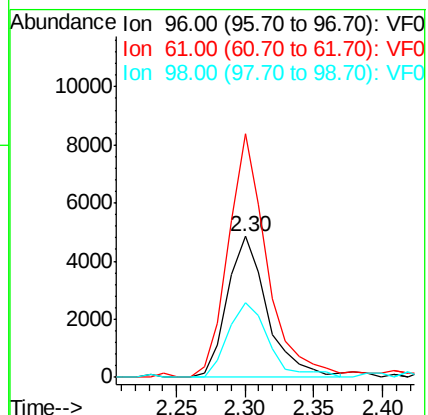
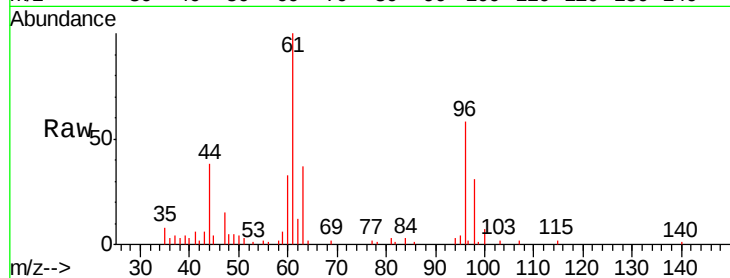
Tgt Ion: 96 Resp: 9796

Ion Ratio Lower Upper

96 100

61 167.1 146.0 219.0

98 53.9 51.6 77.4



#22

Diisopropyl ether

Concen: 34.835 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion: 45 Resp: 18916

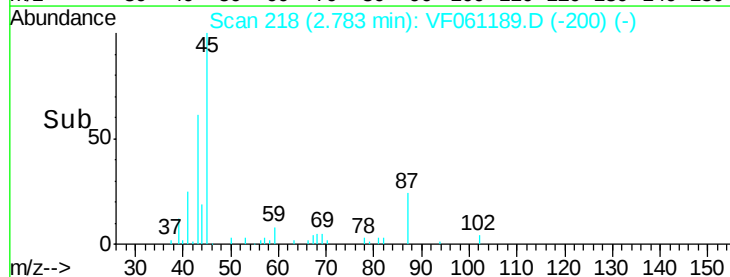
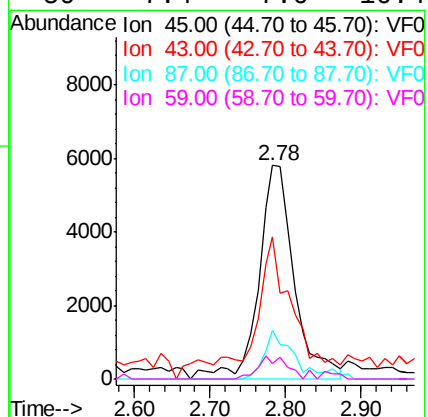
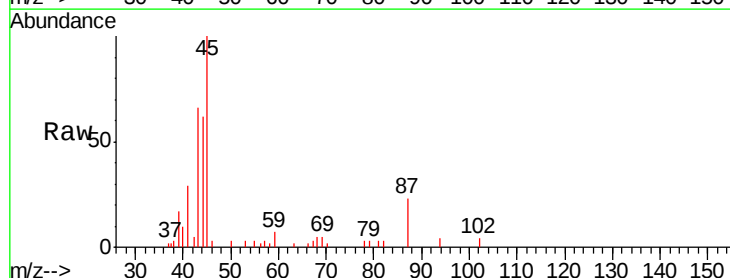
Ion Ratio Lower Upper

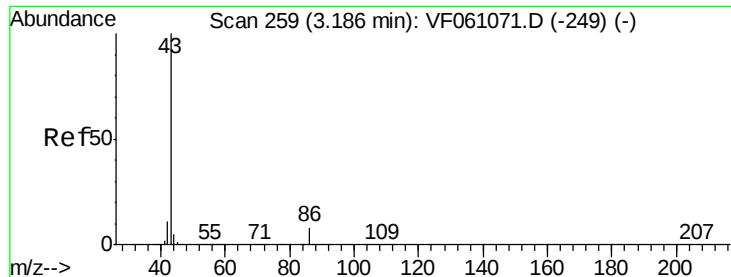
45 100

43 66.3 42.2 63.2#

87 22.6 14.6 22.0#

59 7.4 7.0 10.4





#23

Vinyl Acetate

Concen: 5.972 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

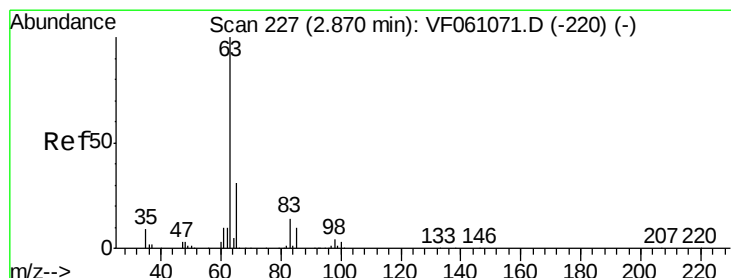
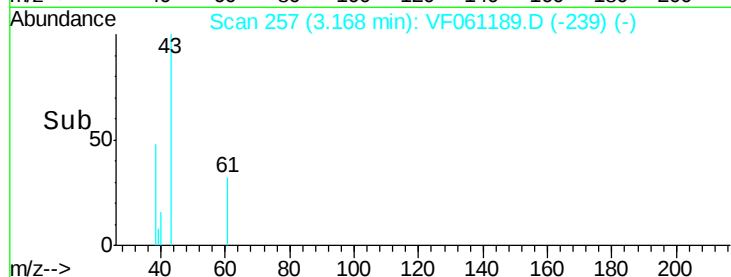
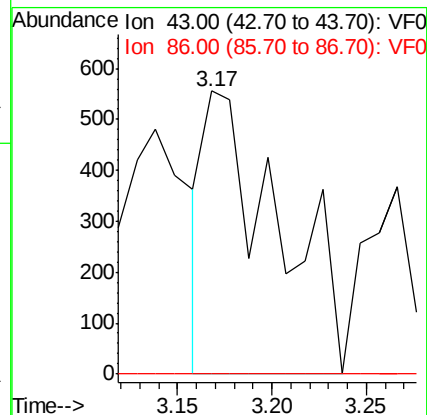
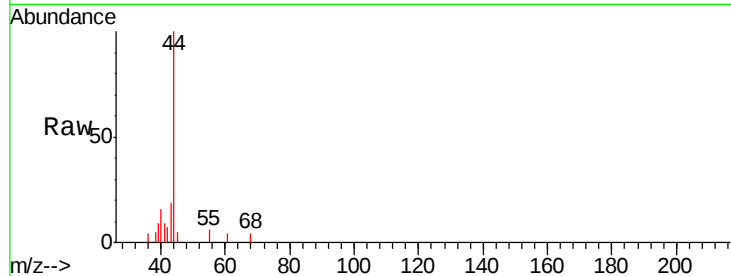
P001-SS025-1218-01MS

Tgt Ion: 43 Resp: 1496

Ion Ratio Lower Upper

43 100

86 0.0 6.3 9.5#



#24

1,1-Dichloroethane

Concen: 54.516 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

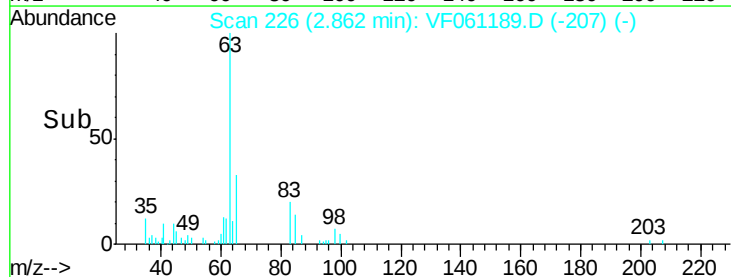
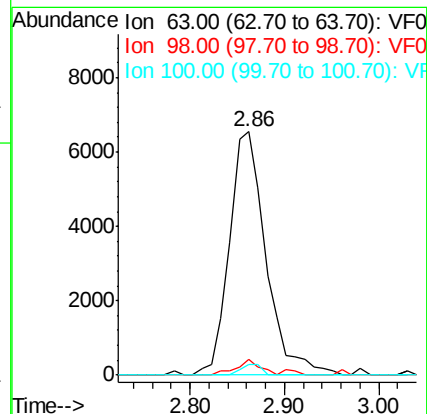
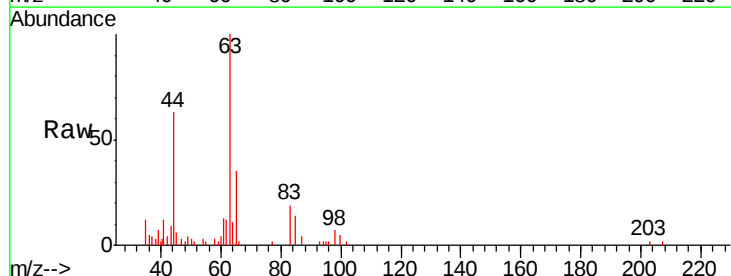
Tgt Ion: 63 Resp: 17540

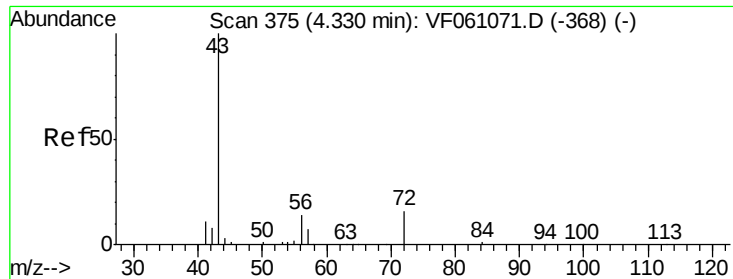
Ion Ratio Lower Upper

63 100

98 6.6 2.1 6.5#

100 4.6 1.7 5.1





#25

2-Butanone

Concen: 123.028 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

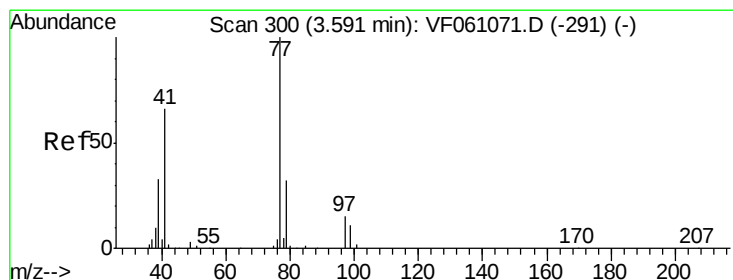
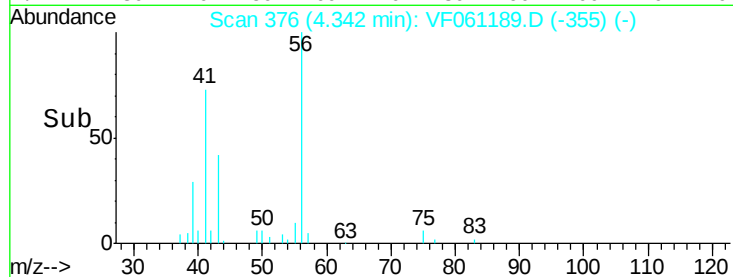
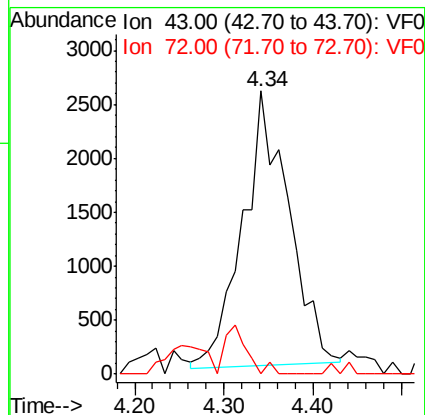
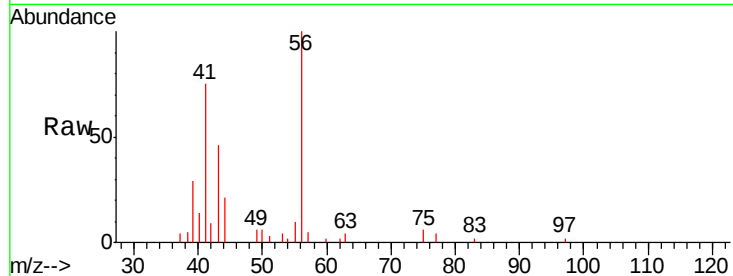
P001-SS025-1218-01MS

Tgt Ion: 43 Resp: 9117

Ion Ratio Lower Upper

43 100

72 0.0 15.6 23.4#



#26

2,2-Dichloropropane

Concen: 94.362 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061189.D

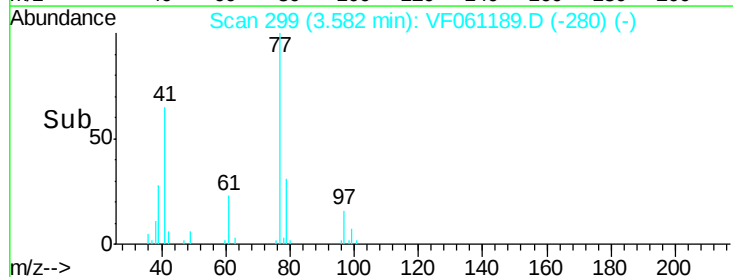
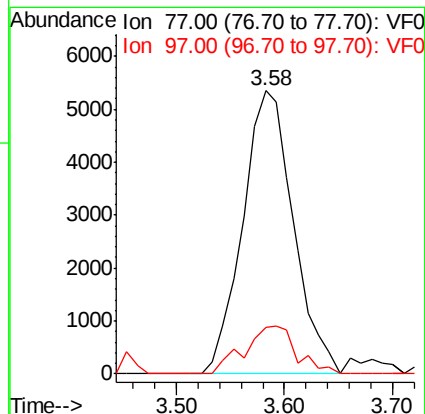
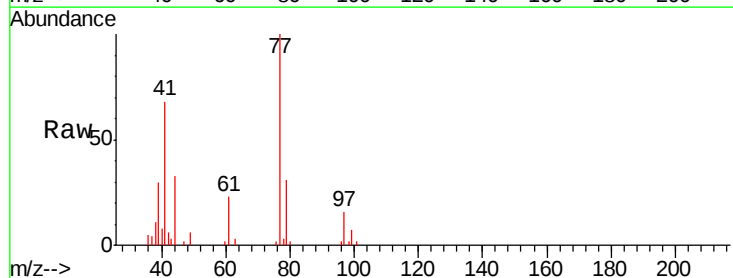
Acq: 26 Dec 2018 15:38

Tgt Ion: 77 Resp: 17423

Ion Ratio Lower Upper

77 100

97 16.4 8.2 24.4



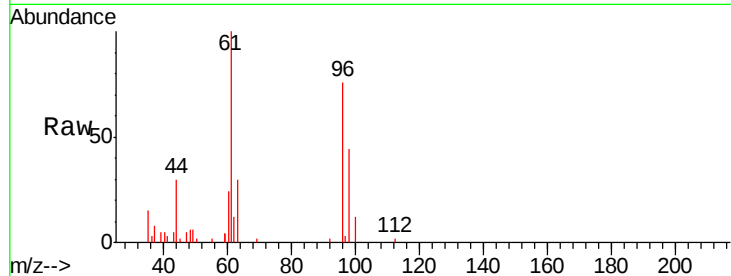


#27

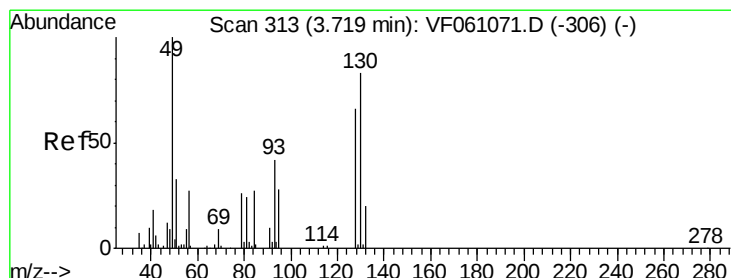
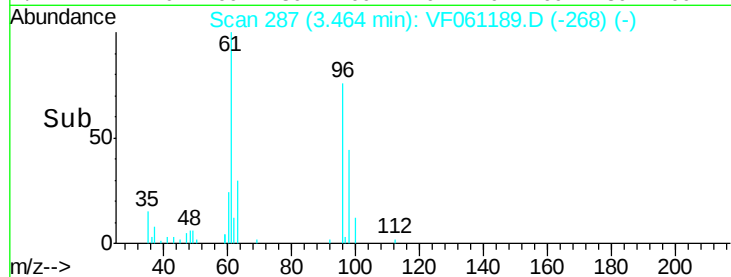
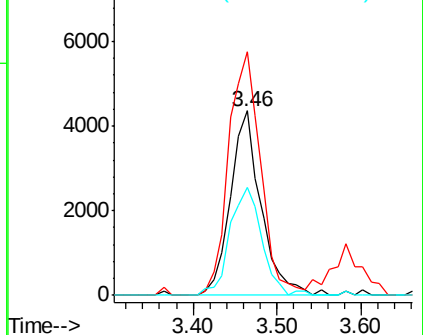
cis-1,2-Dichloroethene
 Concen: 43.321 ug/l
 RT: 3.46 min Scan# 287
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

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

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	287.8
98	58.3	0.0	134.2



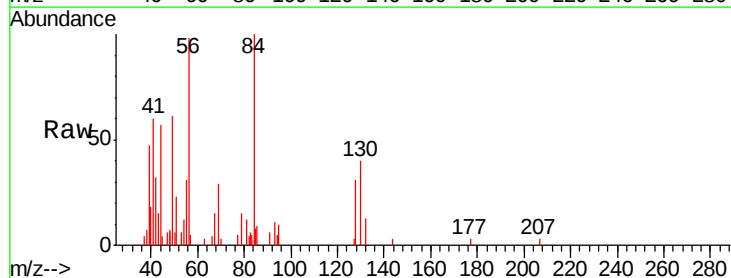
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



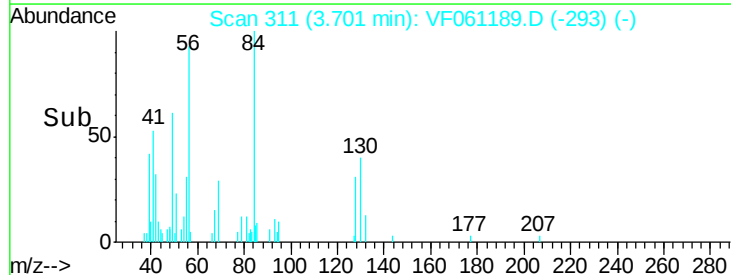
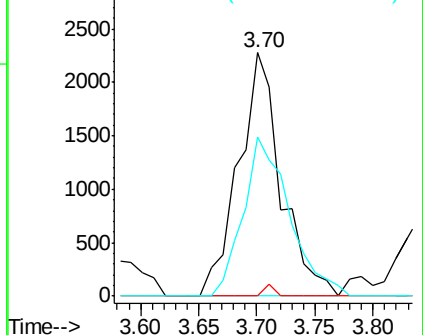
#28

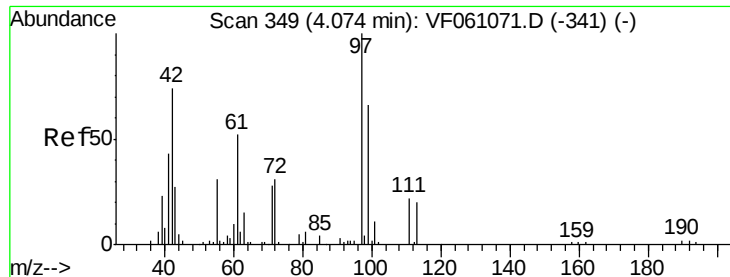
Bromochloromethane
 Concen: 35.289 ug/l
 RT: 3.70 min Scan# 311
 Delta R.T. -0.02 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	65.5	65.8	98.6#



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 116.307 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

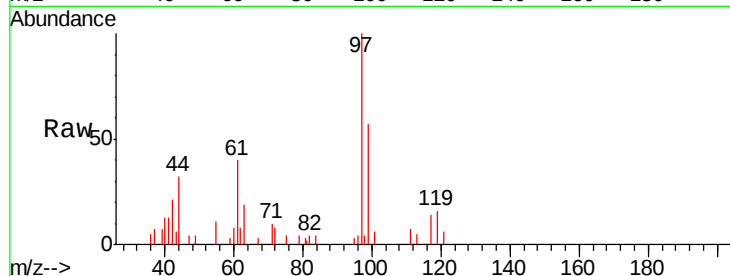
Tgt Ion: 42 Resp: 3508

Ion Ratio Lower Upper

42 100

72 33.1 31.8 47.8

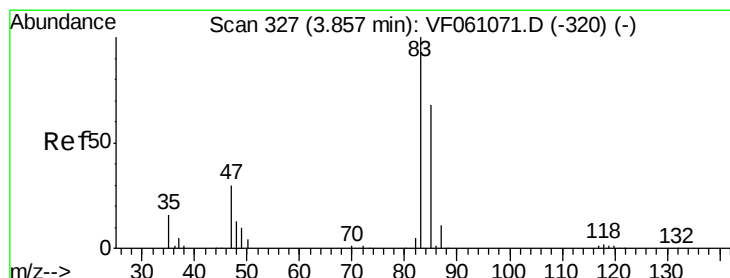
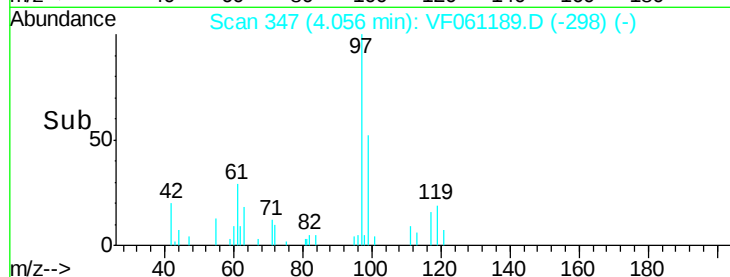
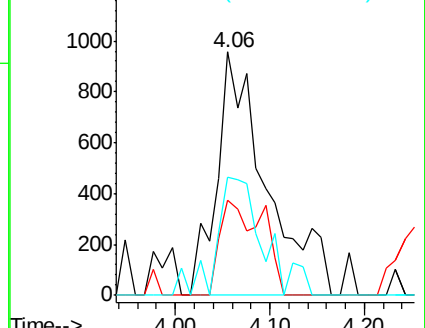
71 43.9 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 42.854 ug/l

RT: 3.85 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF061189.D

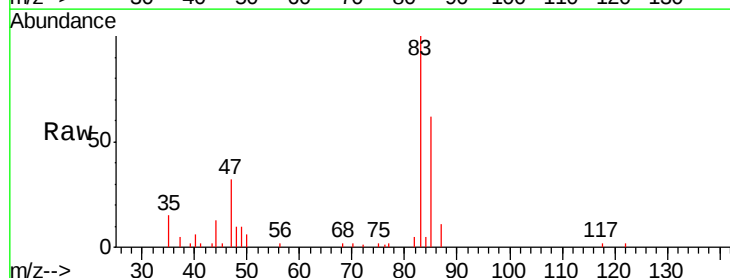
Acq: 26 Dec 2018 15:38

Tgt Ion: 83 Resp: 20674

Ion Ratio Lower Upper

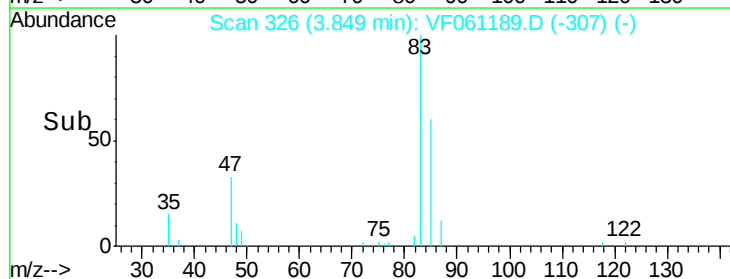
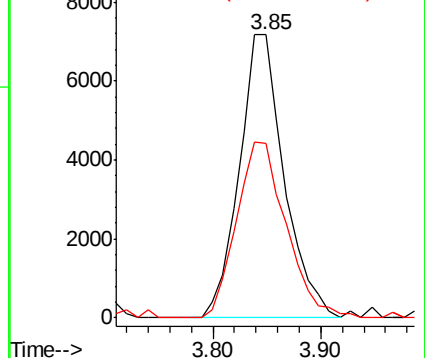
83 100

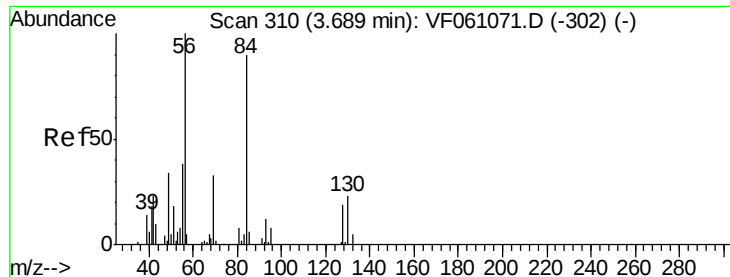
85 61.6 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

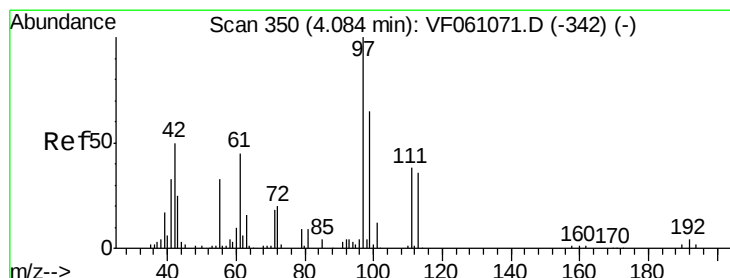
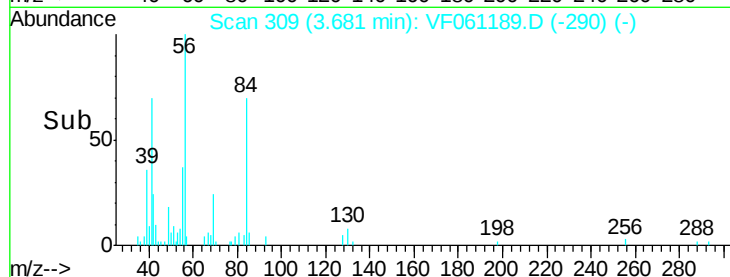
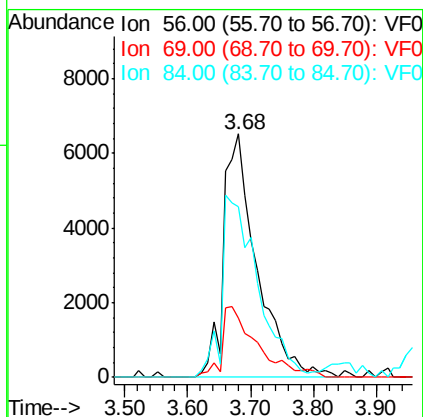
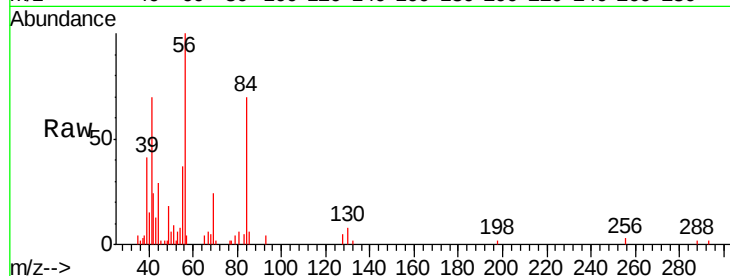




#31
Cyclohexane
Concen: 71.455 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

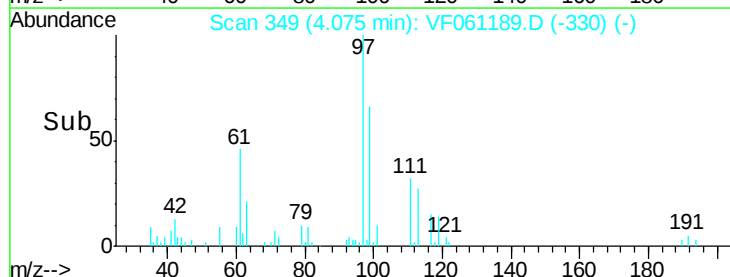
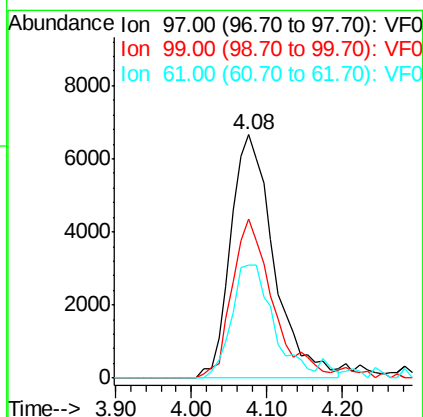
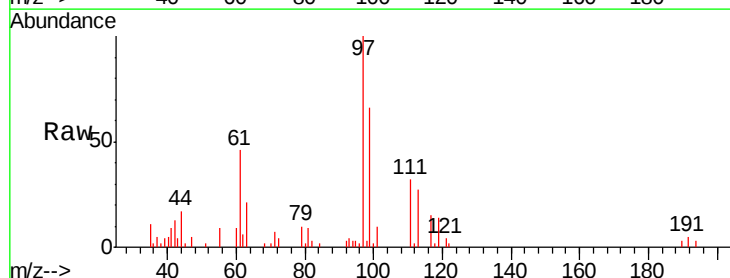
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

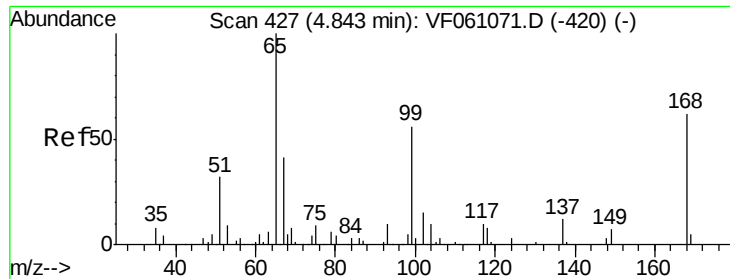
Tgt Ion: 56 Resp: 23856
Ion Ratio Lower Upper
56 100
69 24.1 26.0 39.0#
84 70.2 71.4 107.2#



#32
1,1,1-Trichloroethane
Concen: 91.082 ug/l
RT: 4.08 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion: 97 Resp: 26337
Ion Ratio Lower Upper
97 100
99 65.6 51.6 77.4
61 46.2 36.2 54.2

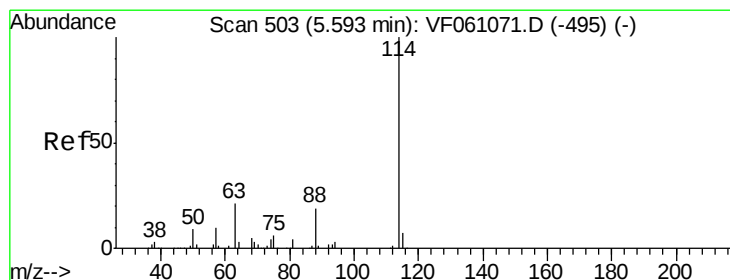
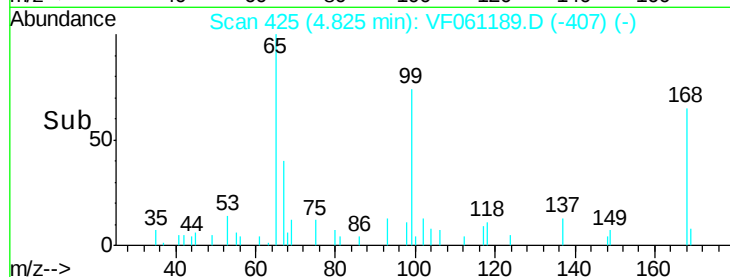
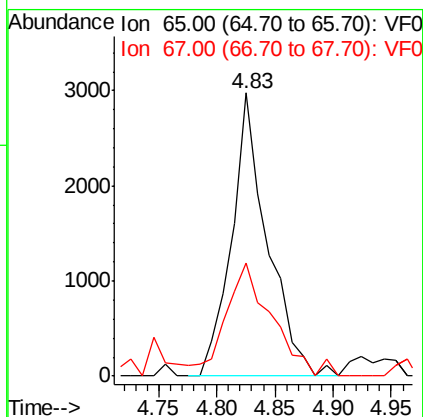
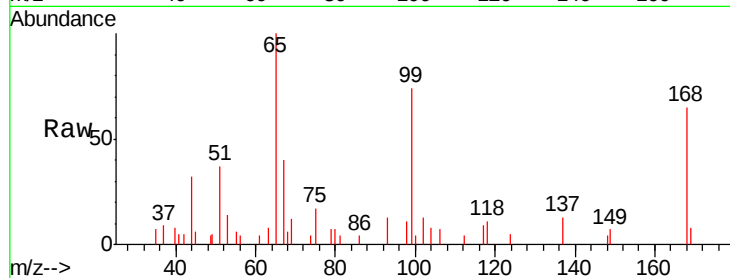




#33
 1,2-Dichloroethane-d4
 Concen: 27.786 ug/l
 RT: 4.83 min Scan# 425
 Delta R.T. -0.02 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

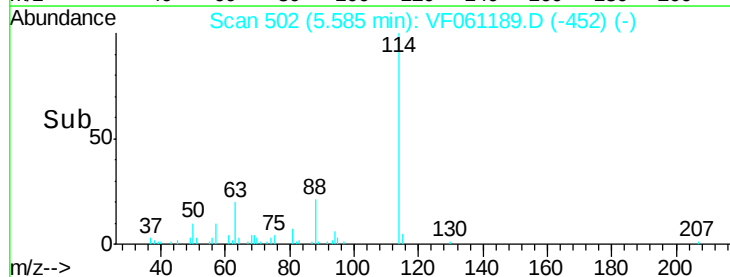
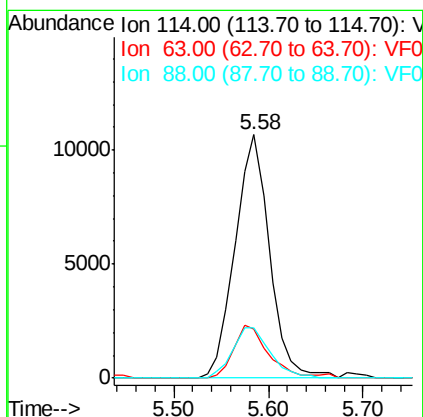
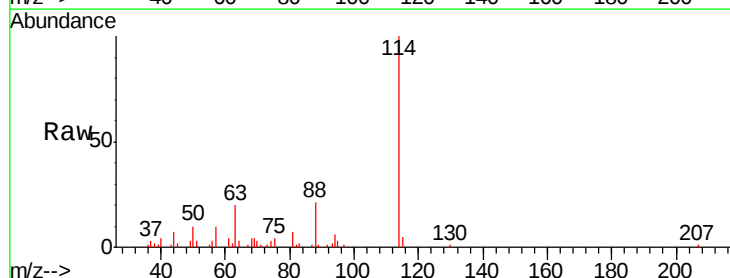
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tgt Ion: 65 Resp: 6351
 Ion Ratio Lower Upper
 65 100
 67 40.1 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: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion: 114 Resp: 26988
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.6
 88 20.7 0.0 38.0





#35

Dibromofluoromethane

Concen: 46.265 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

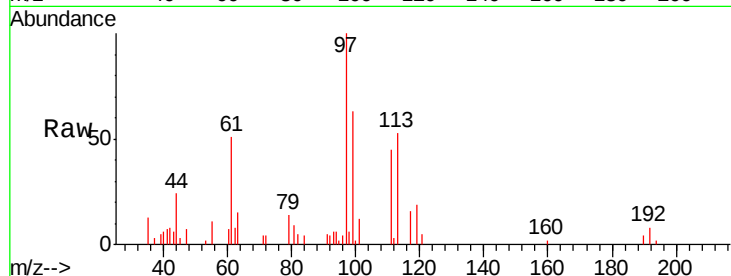
Tgt Ion: 113 Resp: 10002

Ion Ratio Lower Upper

113 100

111 86.2 85.2 127.8

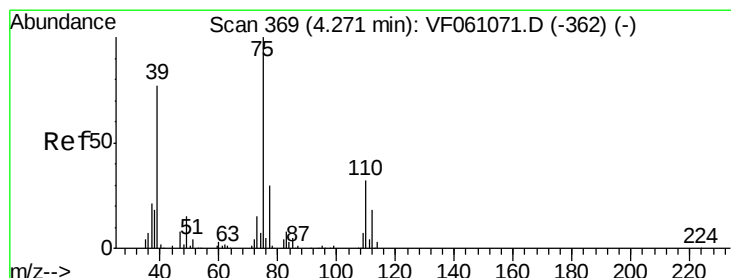
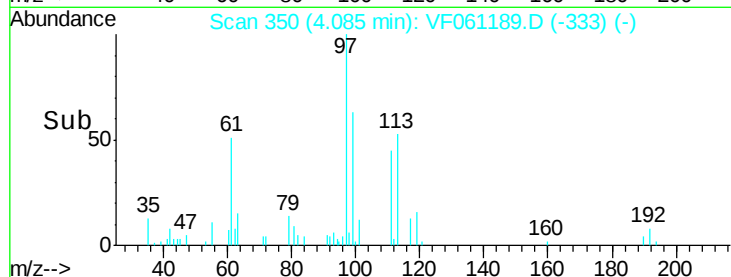
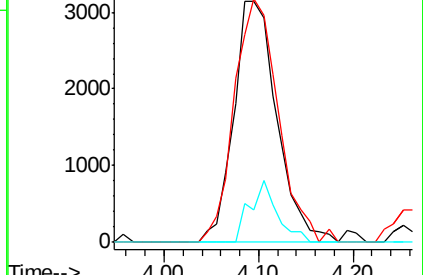
192 15.9 12.8 19.2



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: 67.611 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

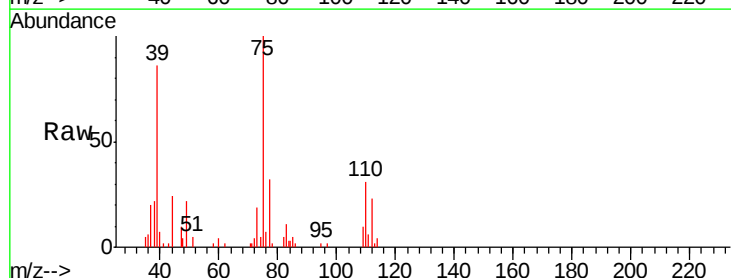
Tgt Ion: 75 Resp: 22025

Ion Ratio Lower Upper

75 100

110 31.0 16.1 48.2

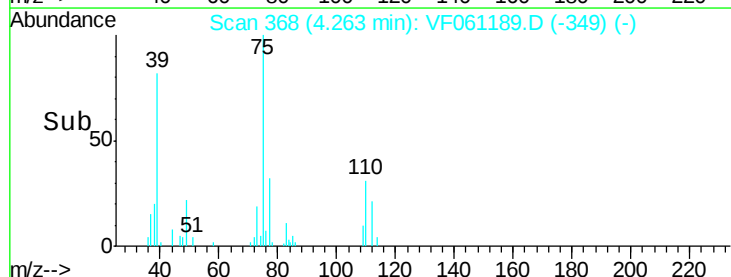
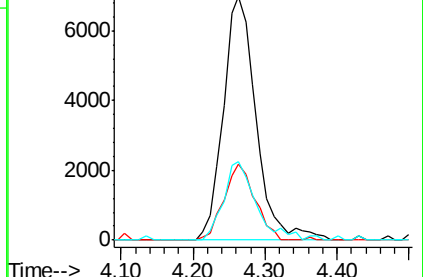
77 32.2 24.5 36.7

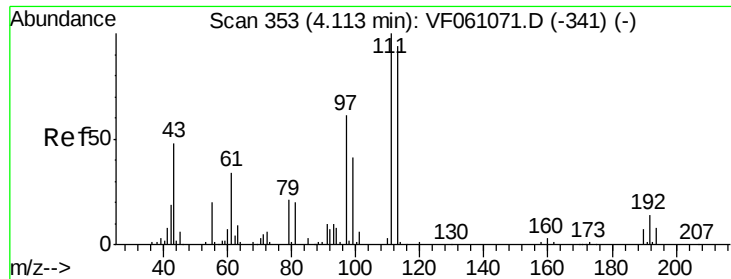


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

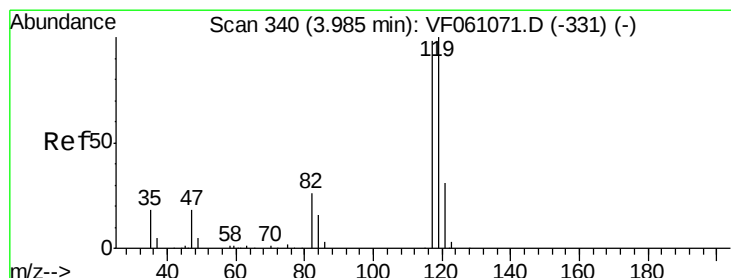
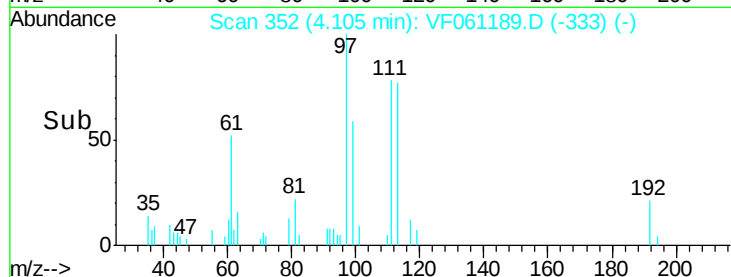
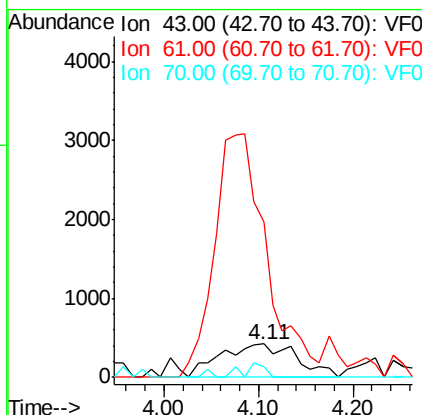
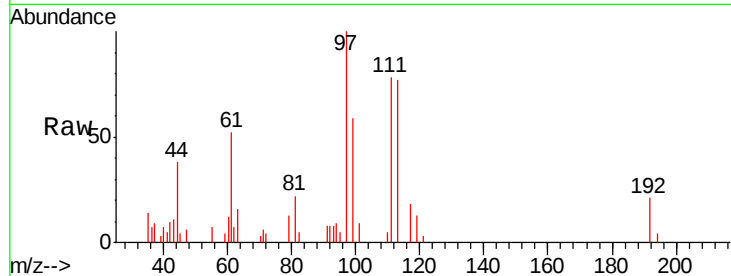




#37
 Ethyl Acetate
 Concen: 16.616 ug/l
 RT: 4.11 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

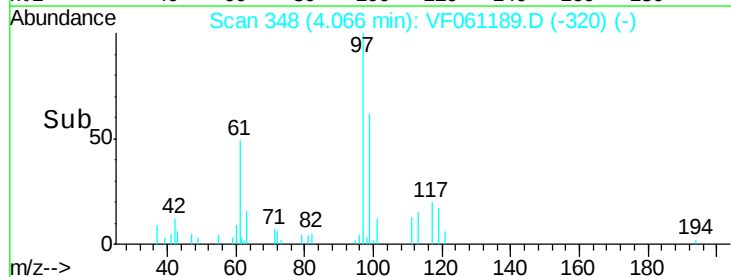
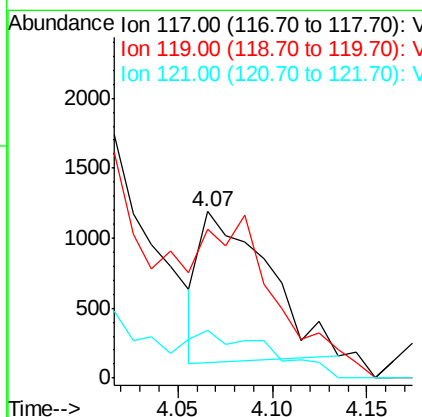
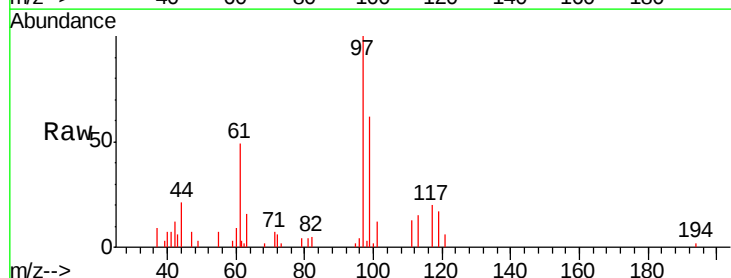
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

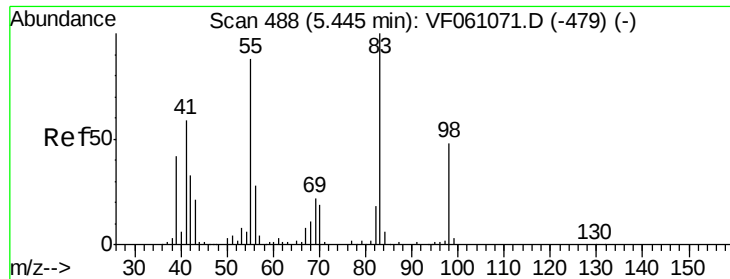
Tgt Ion: 43 Resp: 2363
 Ion Ratio Lower Upper
 43 100
 61 461.9 56.6 84.8#
 70 30.6 6.3 9.5#



#38
 Carbon Tetrachloride
 Concen: 10.650 ug/l
 RT: 4.07 min Scan# 348
 Delta R.T. 0.08 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion: 117 Resp: 2642
 Ion Ratio Lower Upper
 117 100
 119 89.3 82.1 123.1
 121 29.0 25.5 38.3

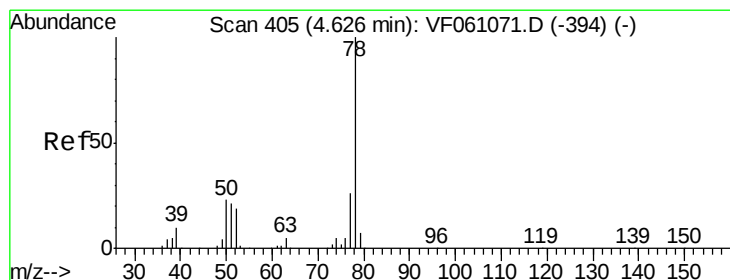
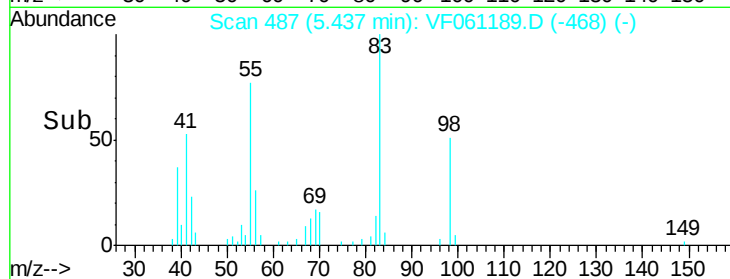
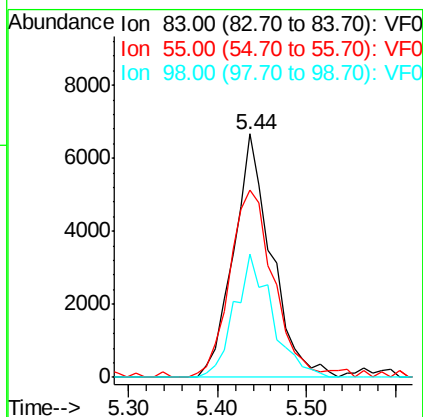
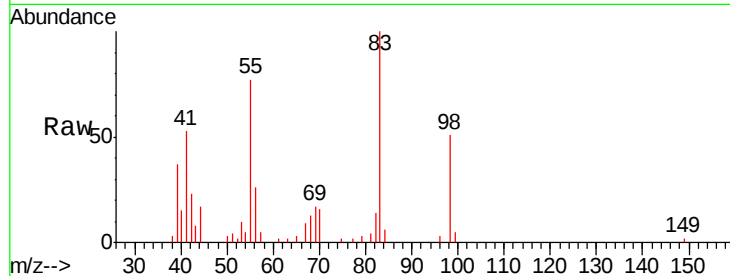




#39
Methylcyclohexane
Concen: 67.510 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

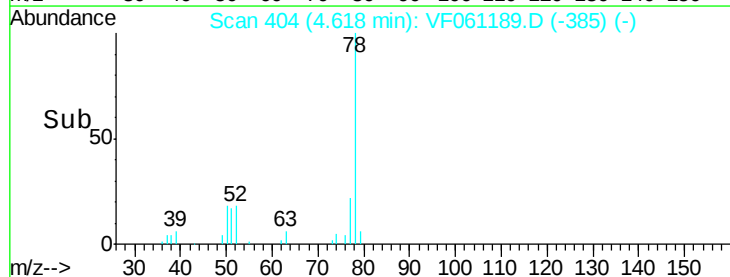
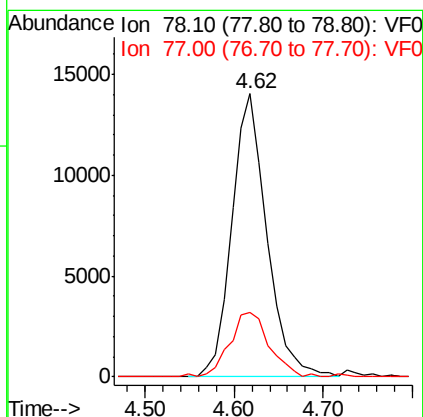
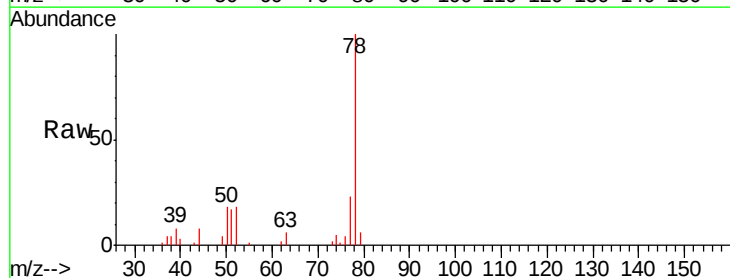
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

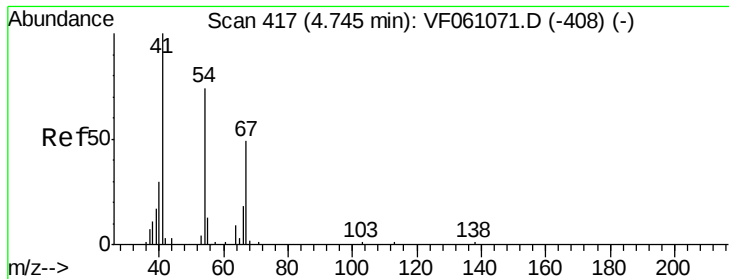
Tgt Ion: 83 Resp: 19730
Ion Ratio Lower Upper
83 100
55 76.8 70.6 105.8
98 50.7 38.5 57.7



#40
Benzene
Concen: 54.946 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion: 78 Resp: 38493
Ion Ratio Lower Upper
78 100
77 22.8 20.7 31.1





#41

Methacrylonitrile

Concen: 21.919 ug/l

RT: 4.72 min Scan# 414

Delta R.T. -0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

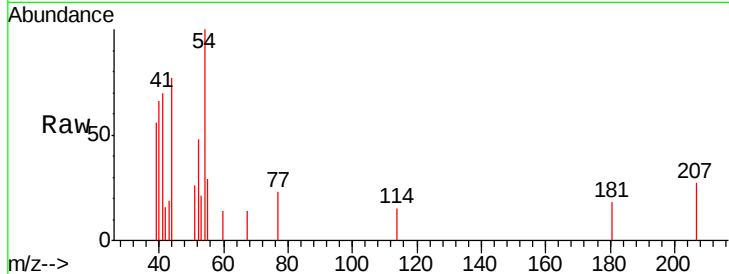
MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tgt Ion: 41 Resp: 1508

Ion	Ratio	Lower	Upper
41	100		
39	80.3	45.7	68.5#
67	20.7	38.9	58.3#
52	68.4	35.2	52.8#

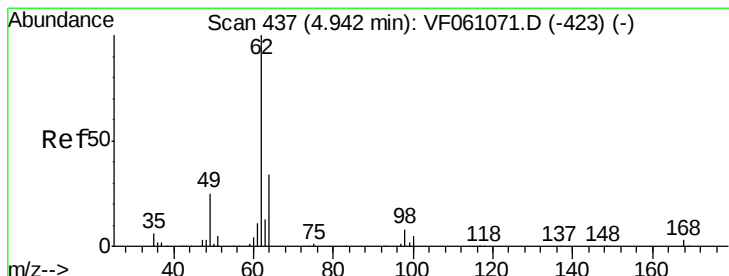
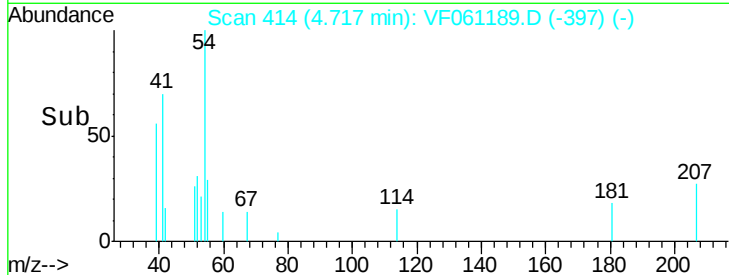
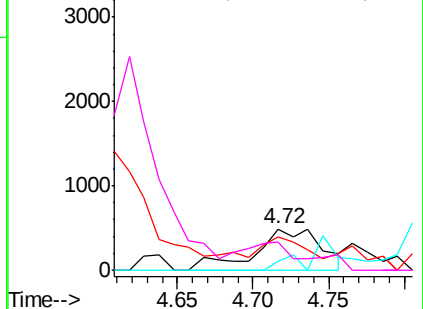


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 30.403 ug/l

RT: 4.92 min Scan# 435

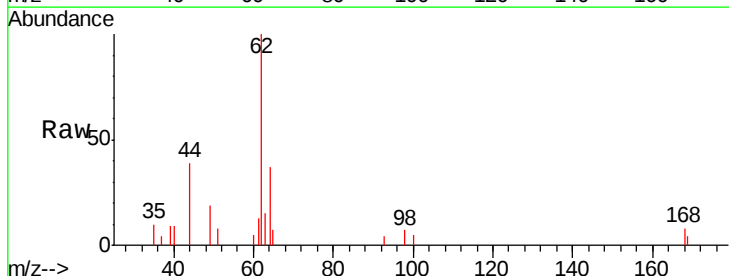
Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

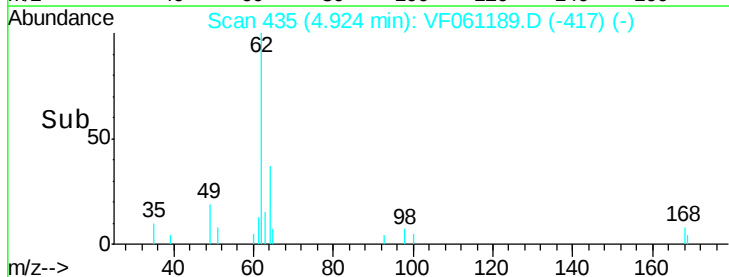
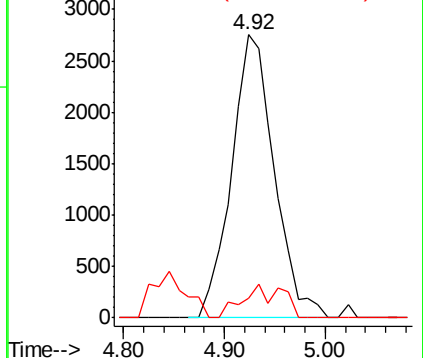
Tgt Ion: 62 Resp: 8091

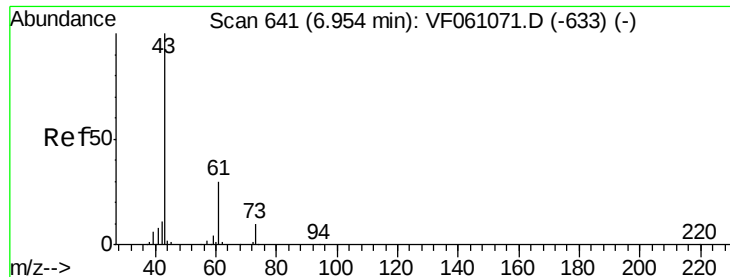
Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	16.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 6.790 ug/l

RT: 6.99 min Scan# 644

Delta R.T. 0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

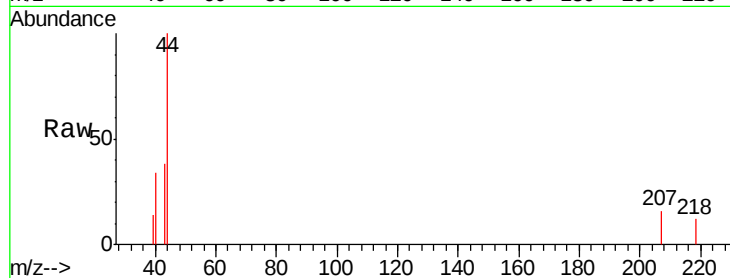
Tgt Ion: 43 Resp: 1068

Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

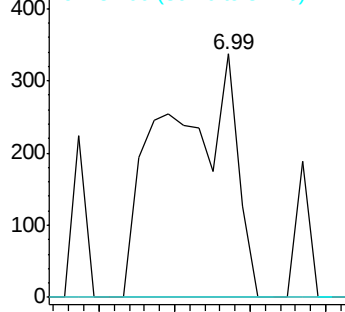
87 0.0 0.0 0.0



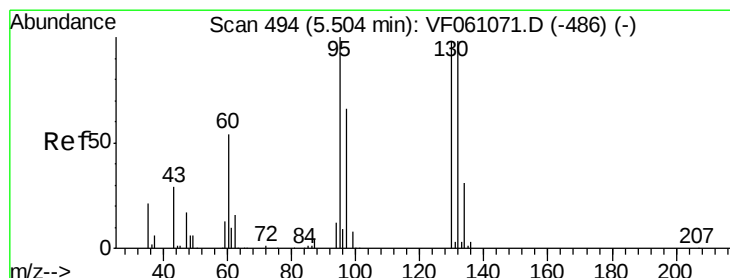
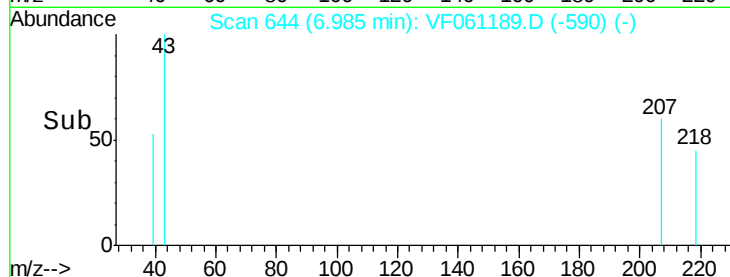
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



Time-->



#44

Trichloroethene

Concen: 59.547 ug/l

RT: 5.49 min Scan# 492

Delta R.T. -0.02 min

Lab File: VF061189.D

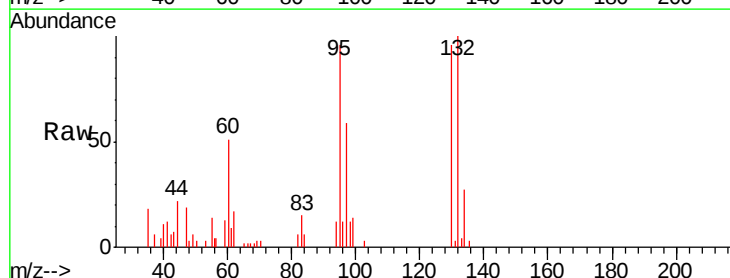
Acq: 26 Dec 2018 15:38

Tgt Ion: 130 Resp: 13152

Ion Ratio Lower Upper

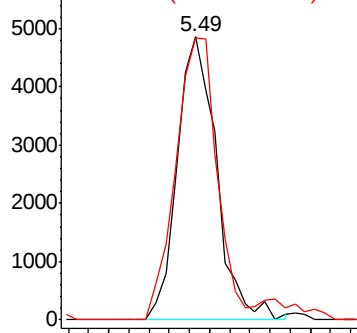
130 100

95 99.8 0.0 205.2

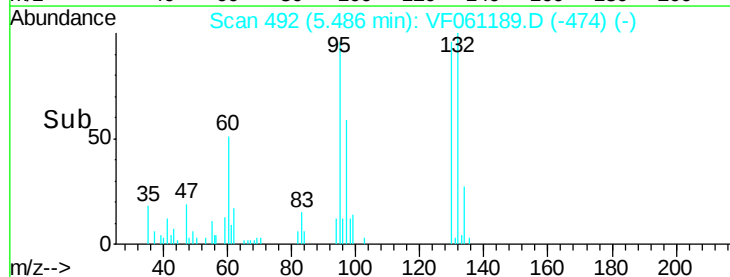


Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



Time-->





#45

1,2-Dichloropropane

Concen: 35.236 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

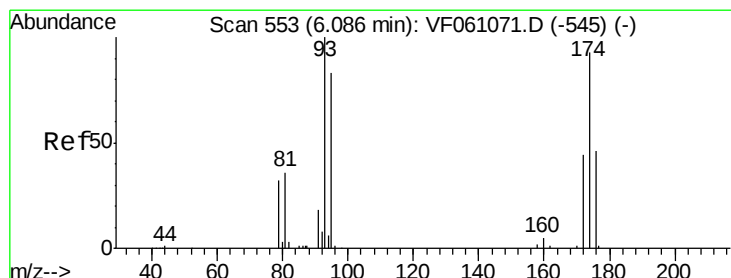
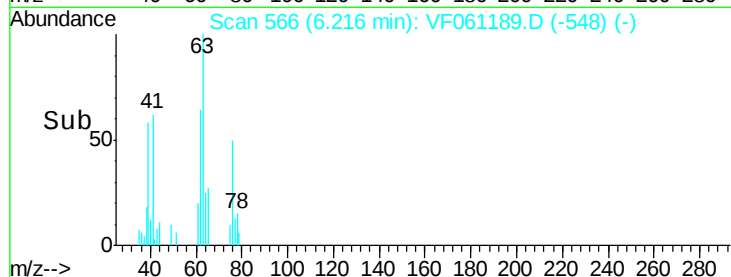
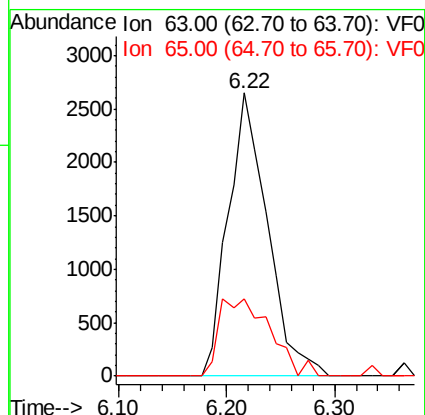
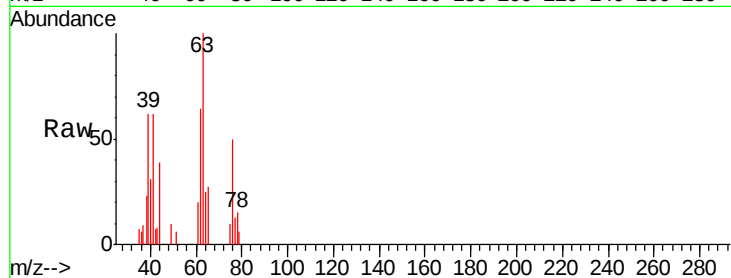
P001-SS025-1218-01MS

Tgt Ion: 63 Resp: 6716

Ion Ratio Lower Upper

63 100

65 27.2 24.4 36.6



#46

Dibromomethane

Concen: 25.595 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

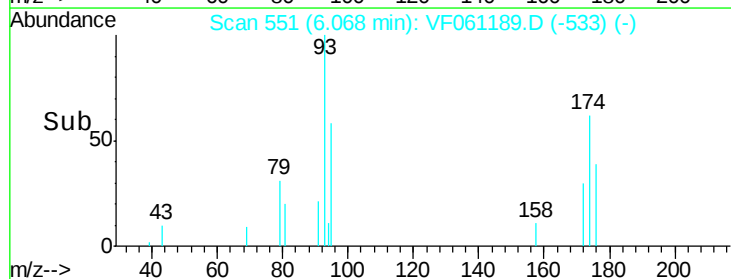
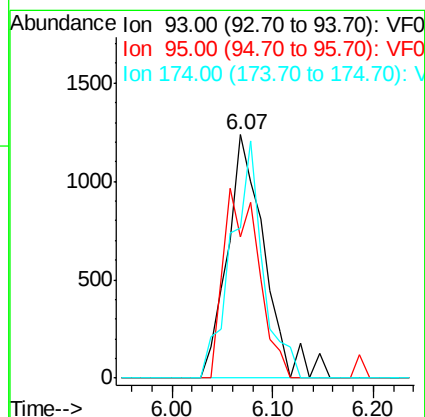
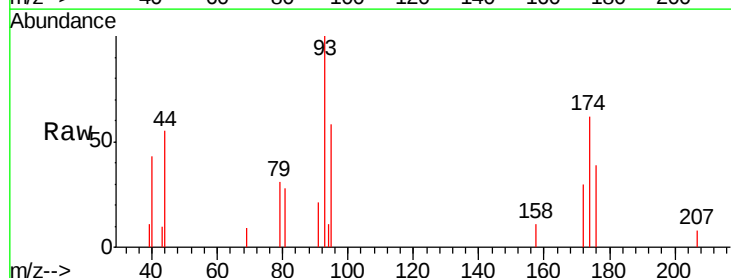
Tgt Ion: 93 Resp: 3164

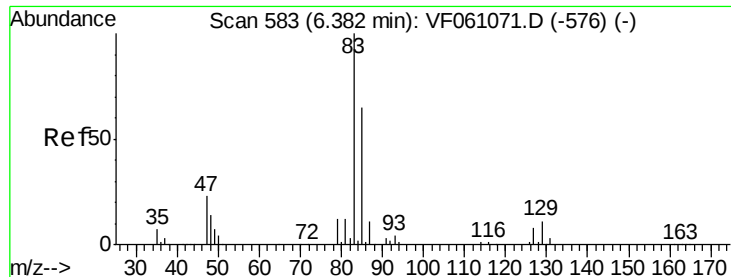
Ion Ratio Lower Upper

93 100

95 58.1 66.9 100.3#

174 61.7 74.1 111.1#





#47

Bromodichloromethane

Concen: 34.739 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

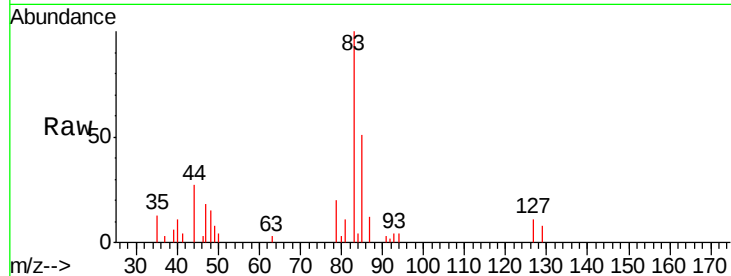
Tgt Ion: 83 Resp: 11158

Ion Ratio Lower Upper

83 100

85 51.4 52.2 78.4#

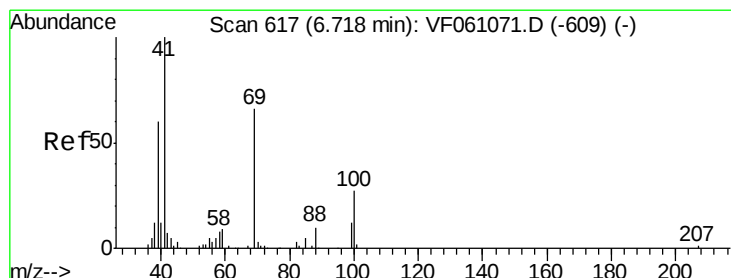
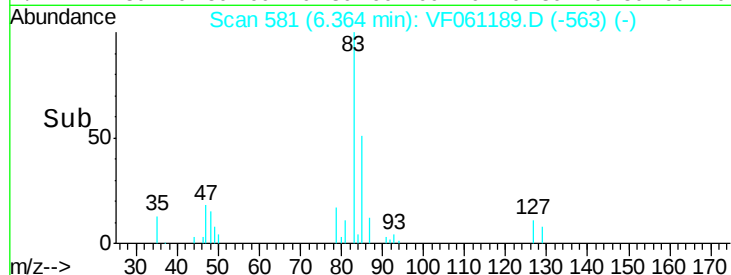
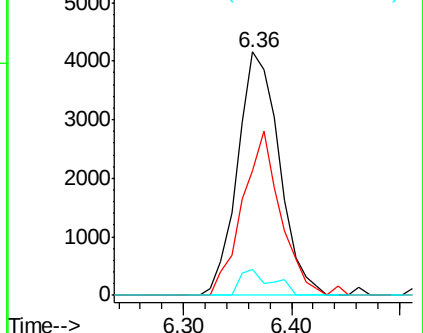
127 10.7 6.1 9.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.248 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

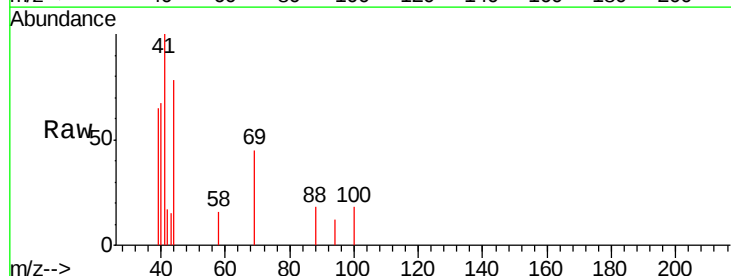
Tgt Ion: 41 Resp: 2443

Ion Ratio Lower Upper

41 100

69 45.4 52.7 79.1#

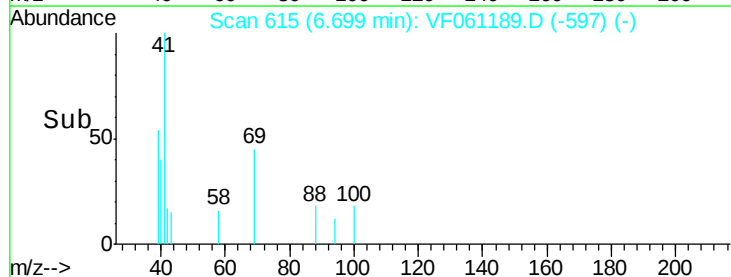
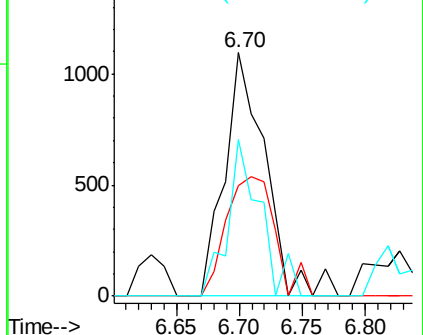
39 64.5 47.8 71.6

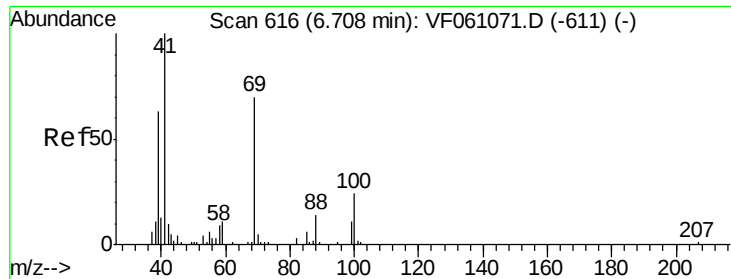


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

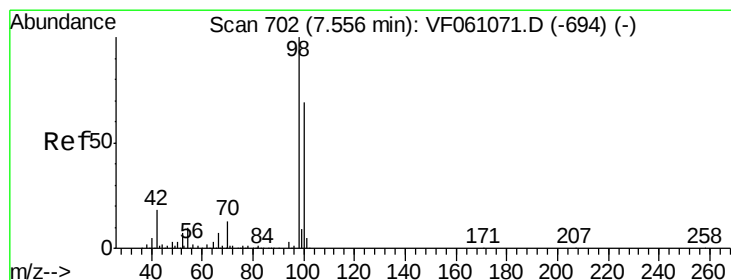
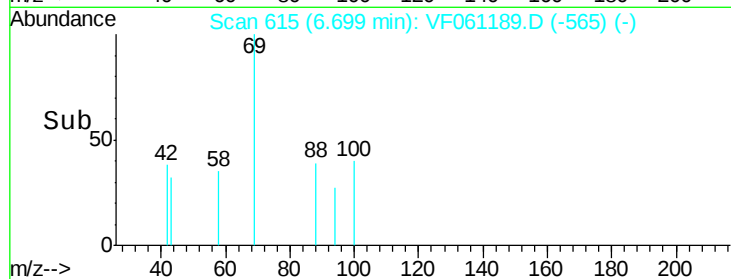
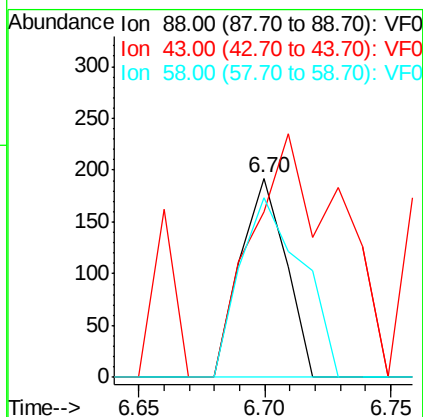
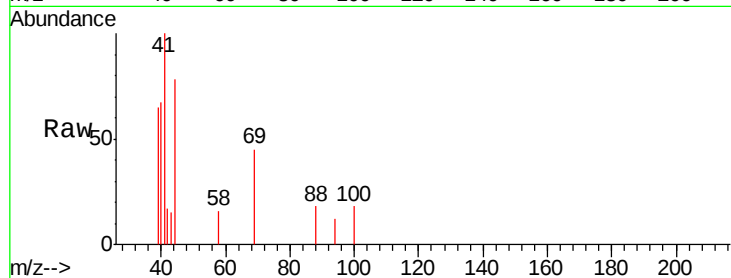




#49
1,4-Dioxane
Concen: 303.726 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

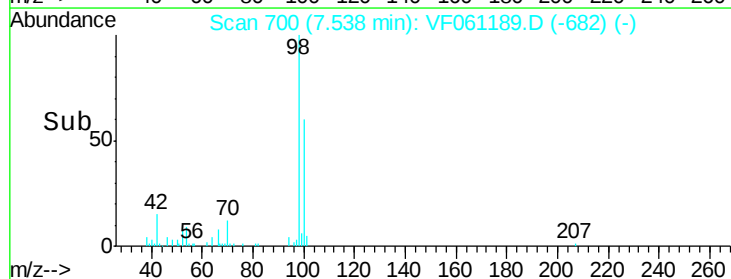
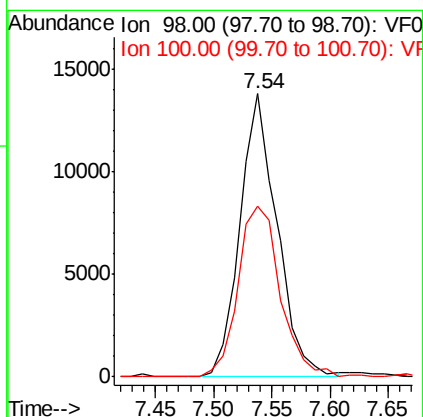
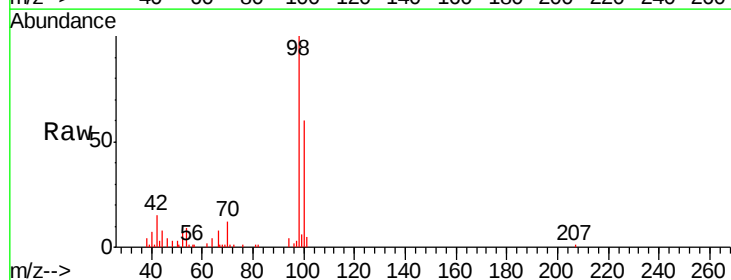
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tgt Ion: 88 Resp: 242
Ion Ratio Lower Upper
88 100
43 83.3 33.3 49.9#
58 90.1 53.2 79.8#



#50
Toluene-d8
Concen: 49.684 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion: 98 Resp: 30439
Ion Ratio Lower Upper
98 100
100 60.2 55.3 82.9





#51

4-Methyl-2-Pentanone

Concen: 35.837 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

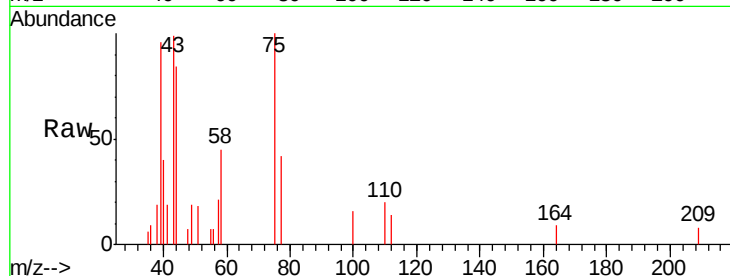
P001-SS025-1218-01MS

Tgt Ion: 43 Resp: 3866

Ion Ratio Lower Upper

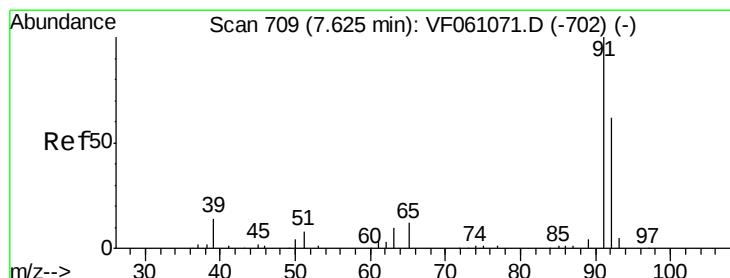
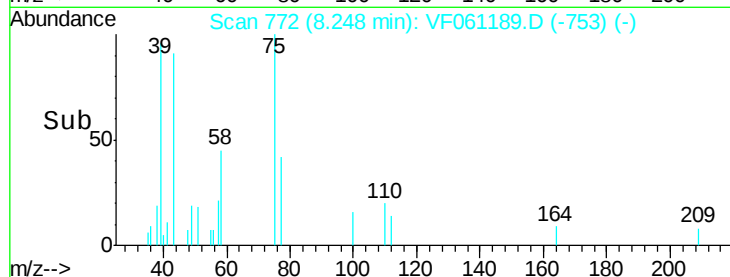
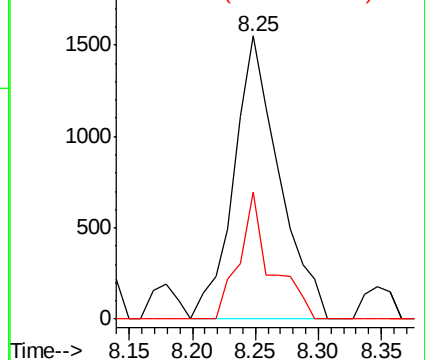
43 100

58 45.1 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.977 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061189.D

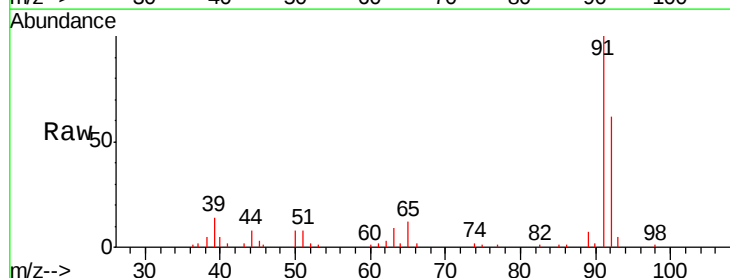
Acq: 26 Dec 2018 15:38

Tgt Ion: 92 Resp: 23176

Ion Ratio Lower Upper

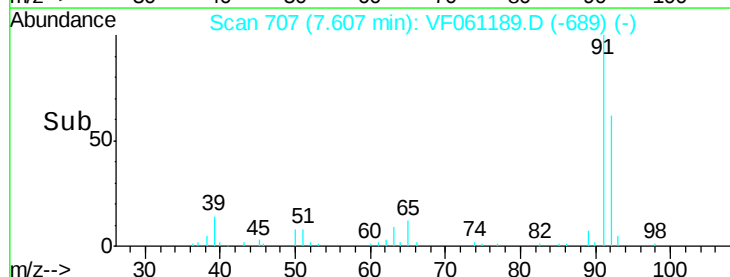
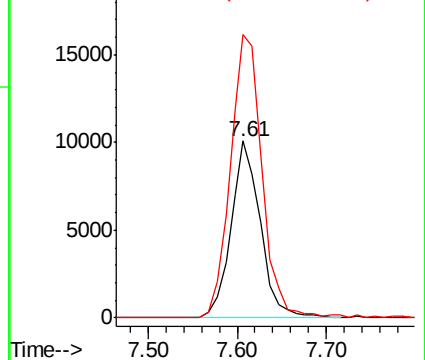
92 100

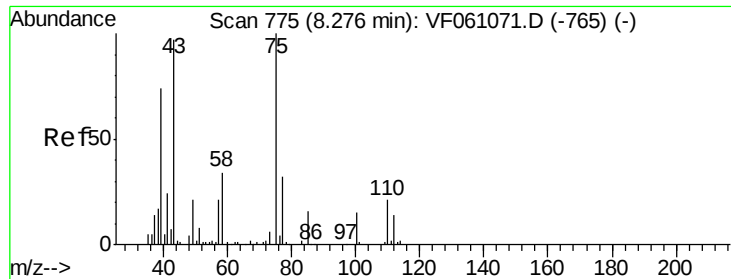
91 160.3 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

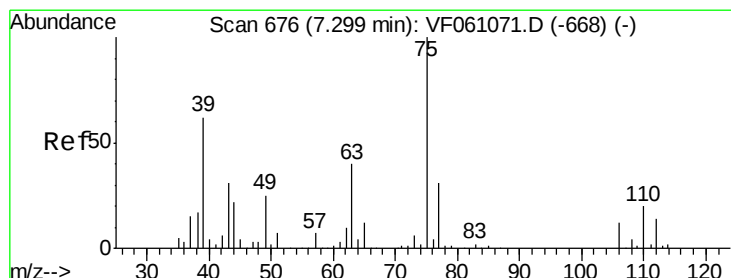
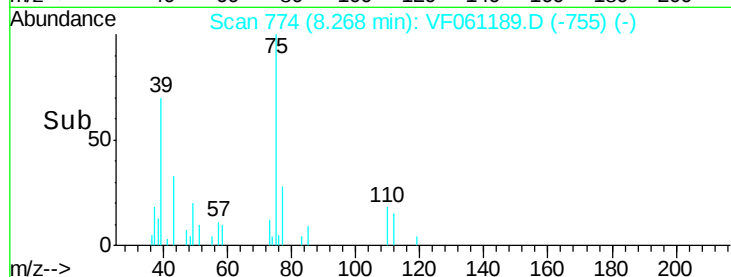
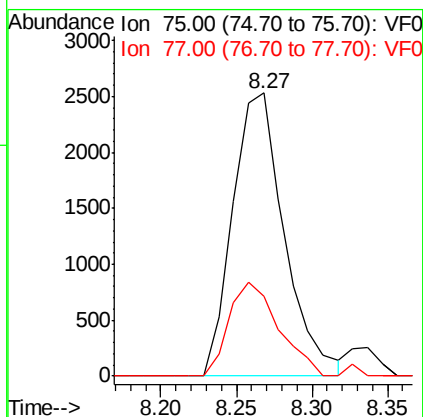
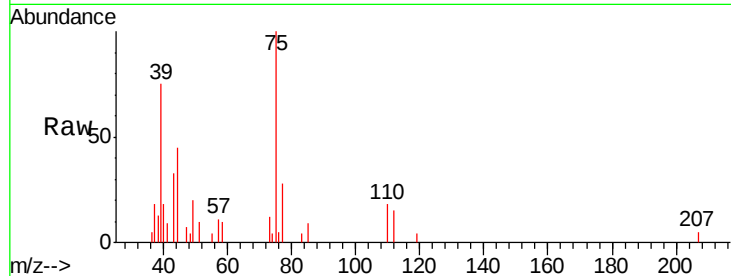




#53
 t-1,3-Dichloropropene
 Concen: 23.249 ug/l
 RT: 8.27 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

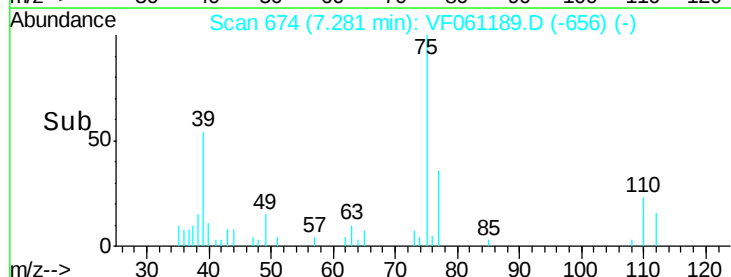
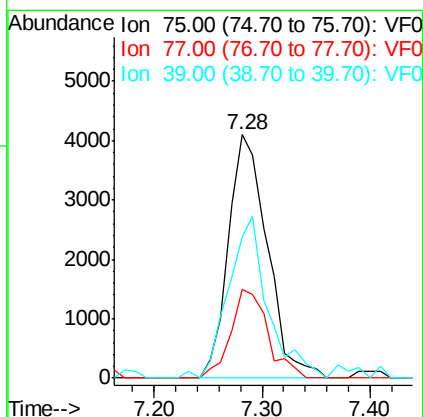
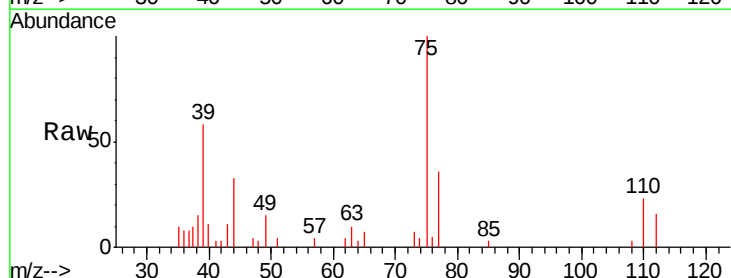
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tgt Ion: 75 Resp: 6024
 Ion Ratio Lower Upper
 75 100
 77 28.1 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 31.629 ug/l
 RT: 7.28 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion: 75 Resp: 10286
 Ion Ratio Lower Upper
 75 100
 77 36.4 25.0 37.4
 39 57.8 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 25.450 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tgt Ion: 97 Resp: 3538

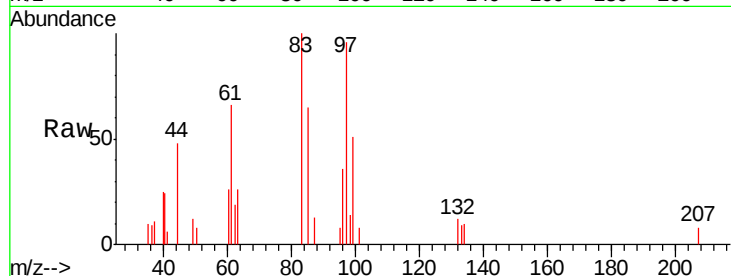
Ion Ratio Lower Upper

97 100

83 103.8 75.0 112.4

85 67.0 47.5 71.3

99 53.4 51.9 77.9

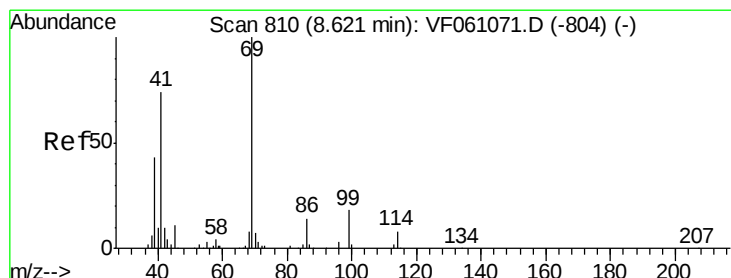
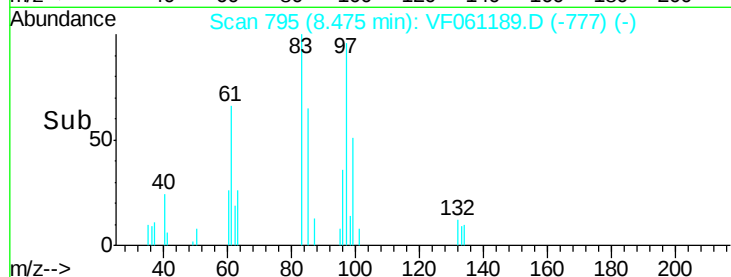
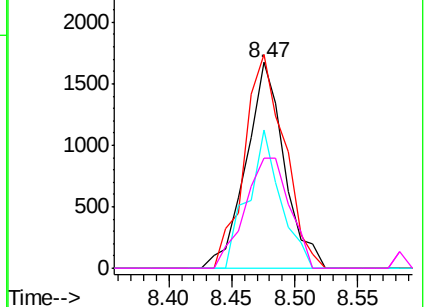


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 3.084 ug/l

RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

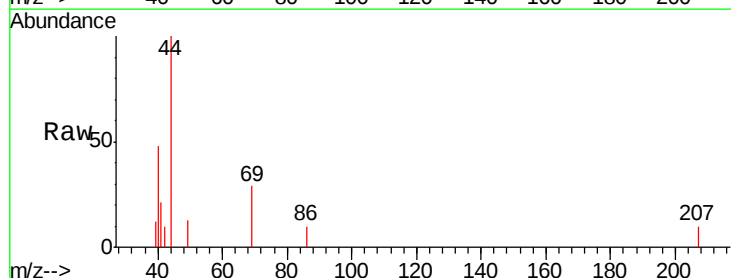
Tgt Ion: 69 Resp: 464

Ion Ratio Lower Upper

69 100

41 75.2 59.7 89.5

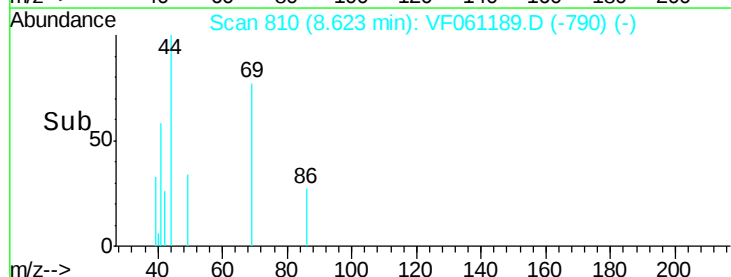
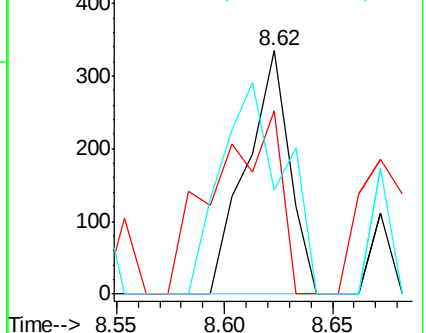
39 42.7 35.0 52.6

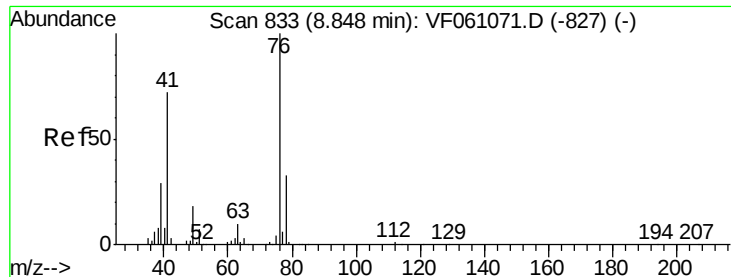


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 24.141 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

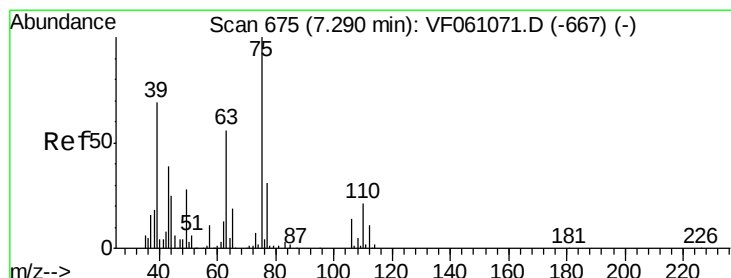
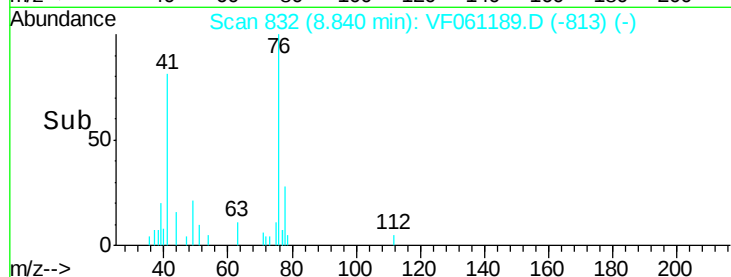
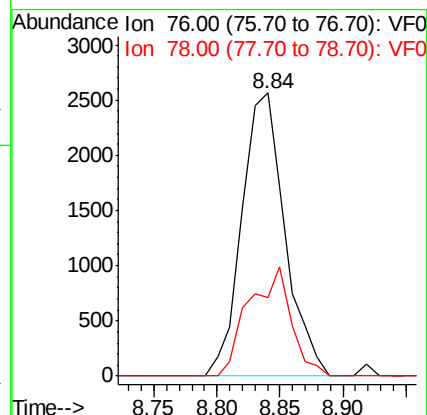
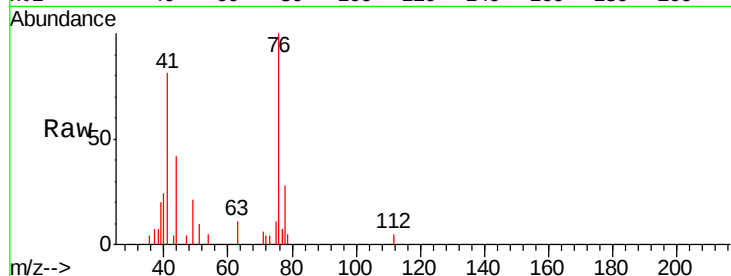
P001-SS025-1218-01MS

Tgt Ion: 76 Resp: 6070

Ion Ratio Lower Upper

76 100

78 27.9 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 37.347 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061189.D

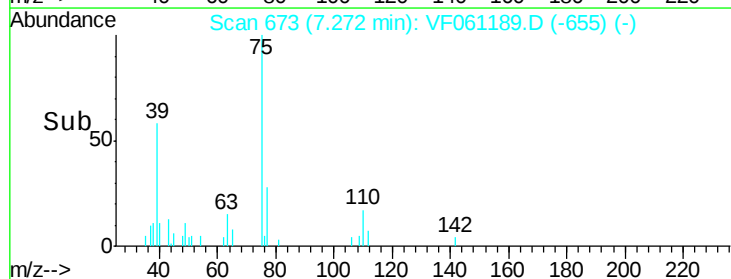
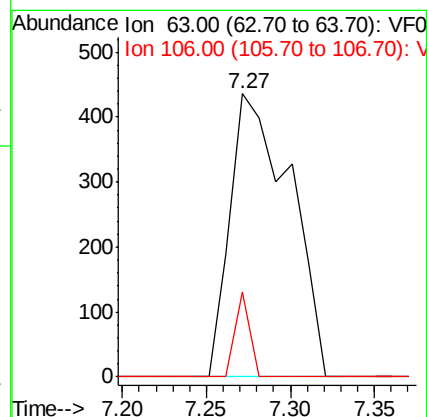
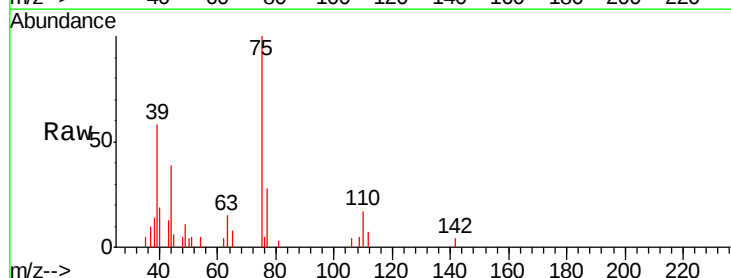
Acq: 26 Dec 2018 15:38

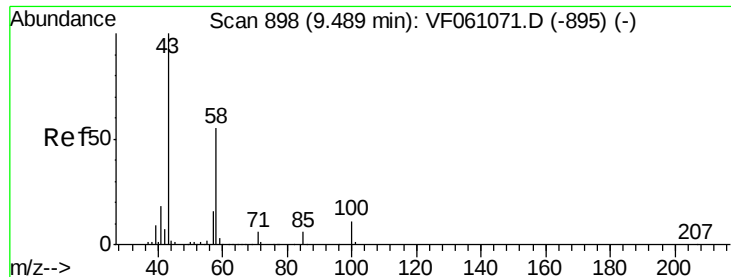
Tgt Ion: 63 Resp: 1079

Ion Ratio Lower Upper

63 100

106 29.8 19.8 29.8#

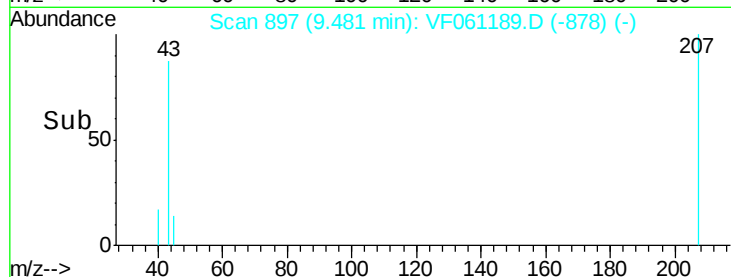
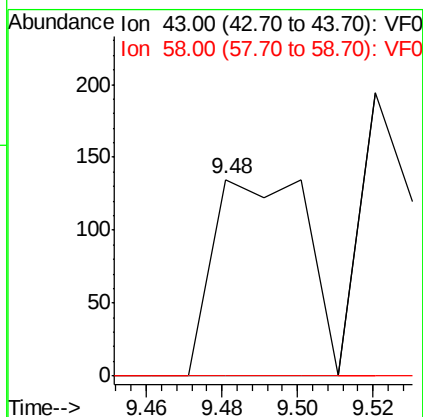
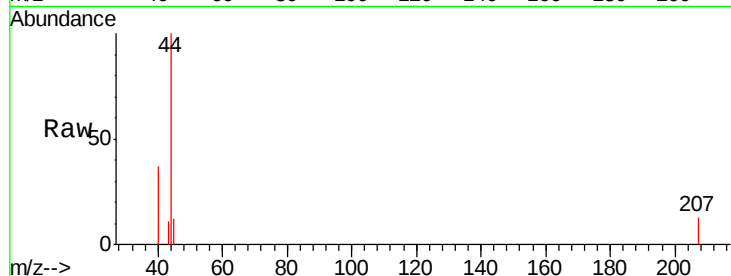




#59
2-Hexanone
Concen: 2.974 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

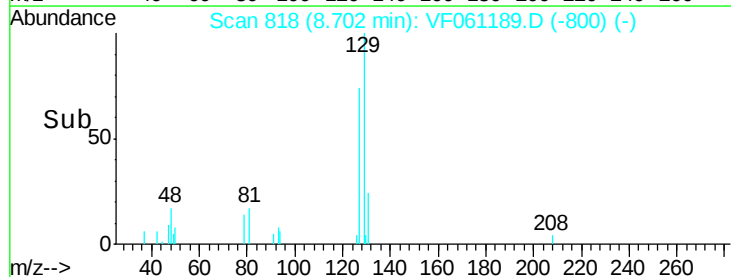
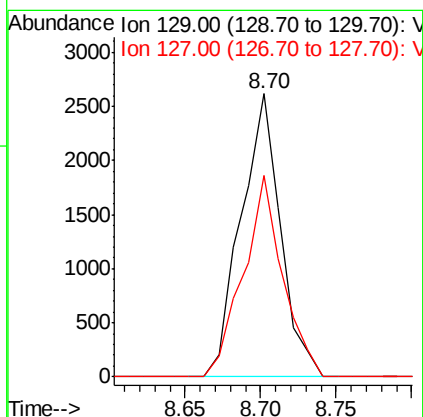
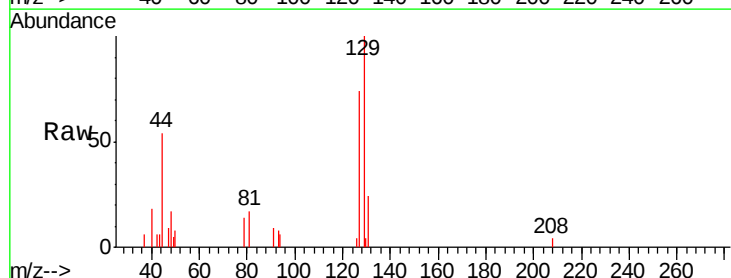
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

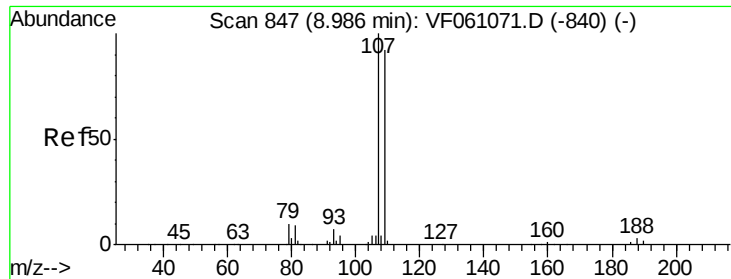
Tgt Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#



#60
Dibromochloromethane
Concen: 23.896 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion: 129 Resp: 4762
Ion Ratio Lower Upper
129 100
127 71.0 36.8 110.3





#61

1,2-Dibromoethane

Concen: 21.411 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

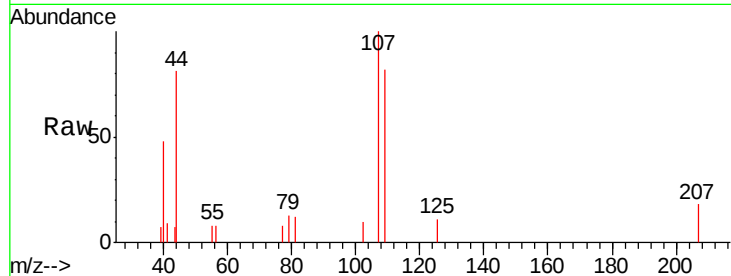
P001-SS025-1218-01MS

Tgt Ion: 107 Resp: 3179

Ion Ratio Lower Upper

107 100

109 82.0 73.7 110.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

1500

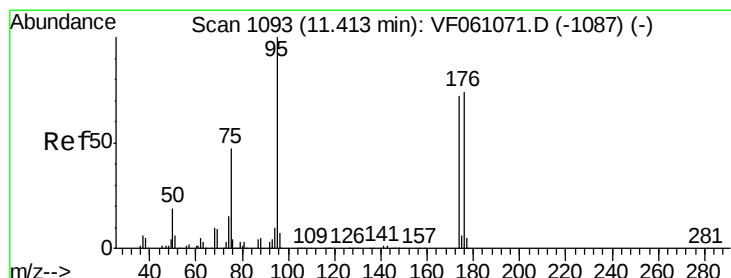
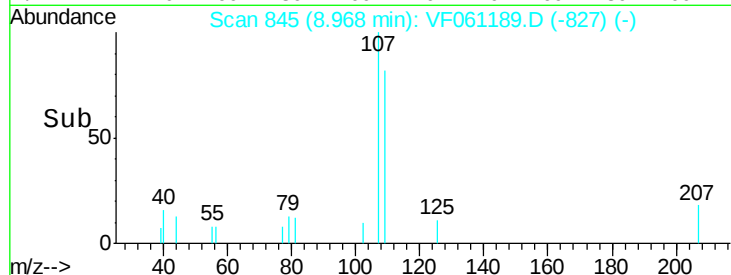
1000

500

0

Time-->

8.90 8.95 9.00 9.05



#62

4-Bromofluorobenzene

Concen: 27.361 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

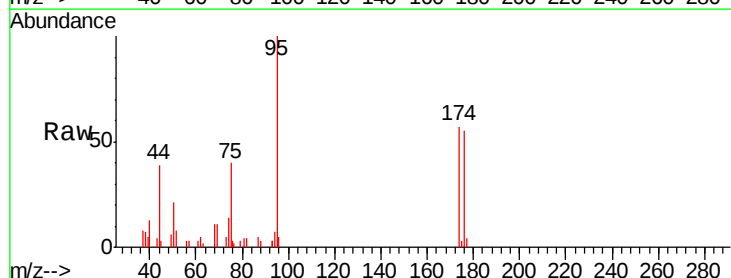
Tgt Ion: 95 Resp: 7728

Ion Ratio Lower Upper

95 100

174 60.4 0.0 143.8

176 55.1 0.0 147.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.39

5000

4000

3000

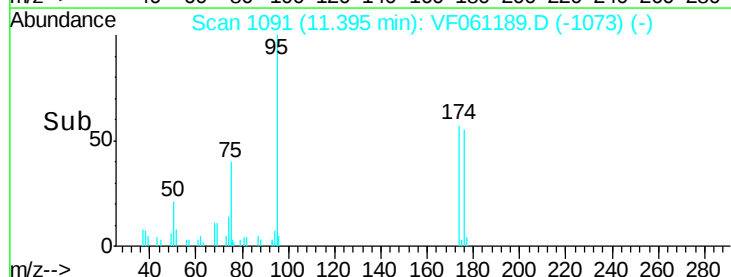
2000

1000

0

Time-->

11.30 11.40 11.50

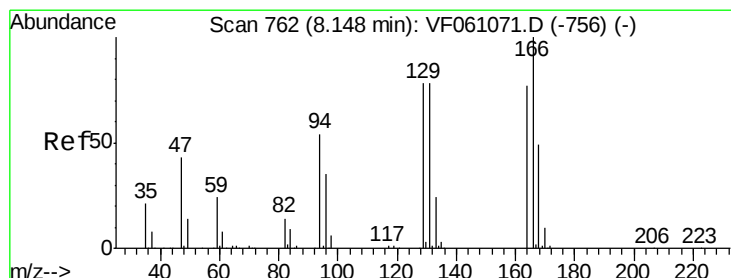
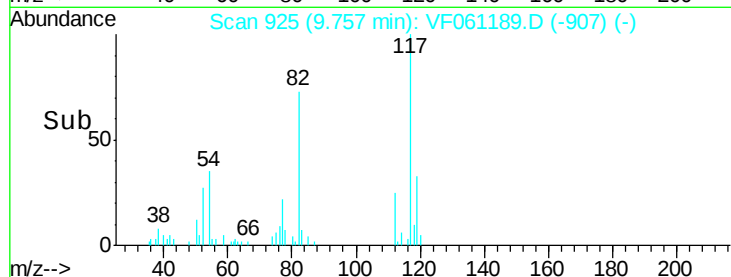
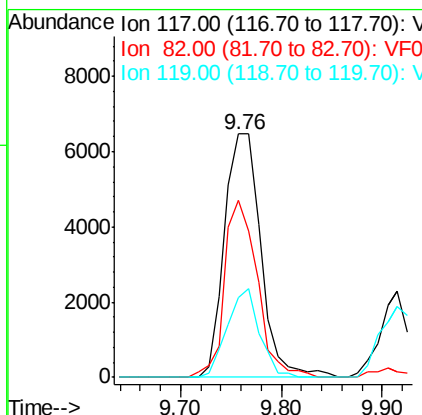
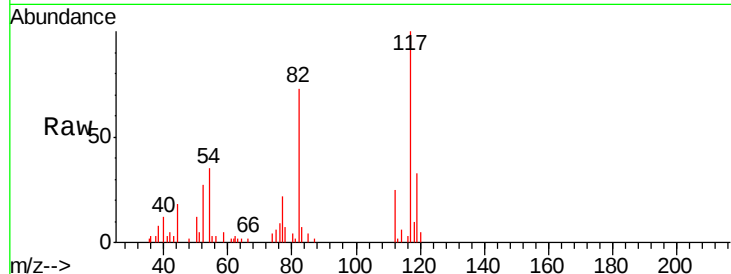




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

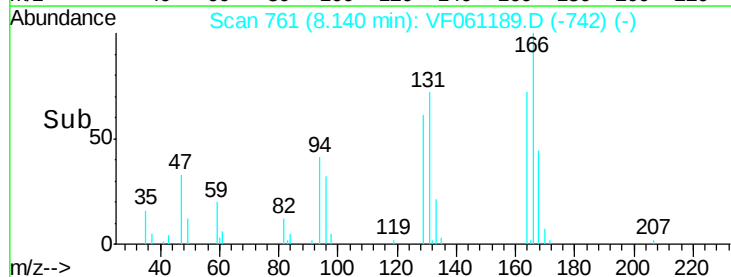
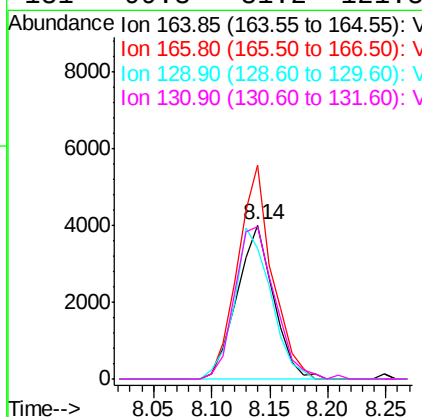
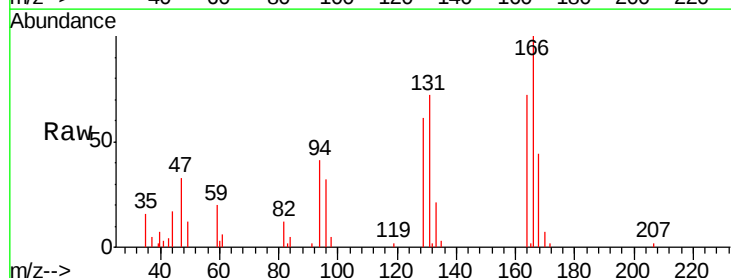
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tgt Ion:117 Resp: 16318
Ion Ratio Lower Upper
117 100
82 72.5 45.0 67.4#
119 33.0 24.8 37.2



#64
Tetrachloroethene
Concen: 69.531 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion:164 Resp: 8728
Ion Ratio Lower Upper
164 100
166 138.6 104.0 156.0
129 85.1 81.1 121.7
131 99.3 81.2 121.8

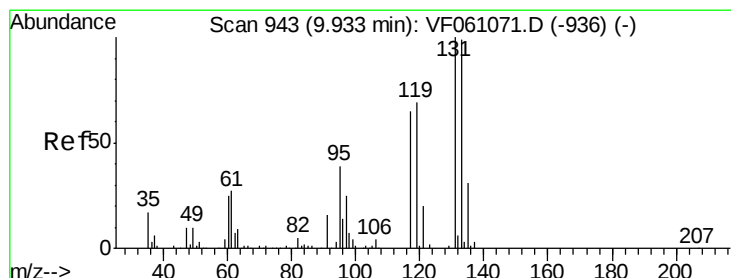
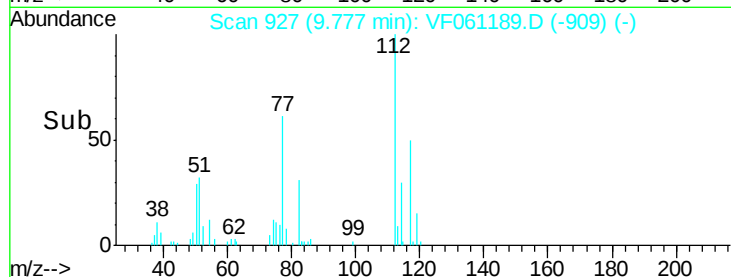
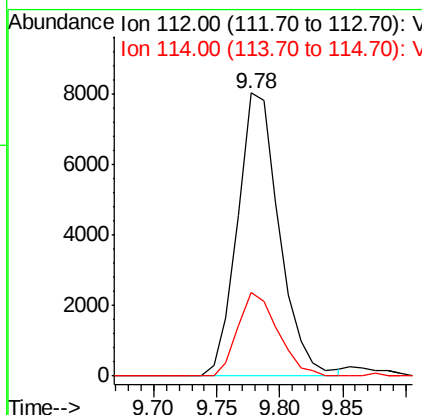
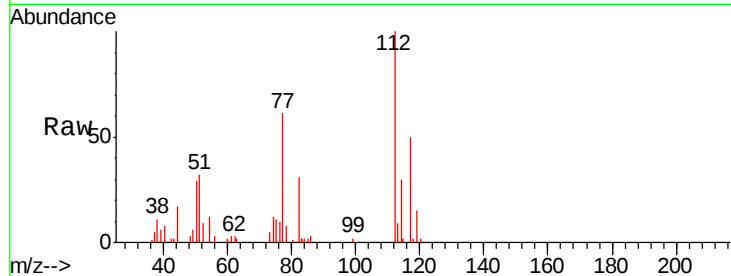




#65
Chlorobenzene
Concen: 54.757 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

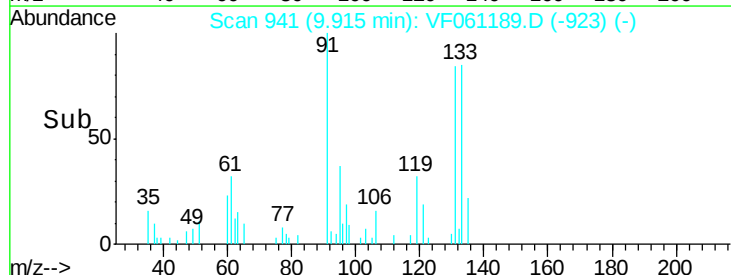
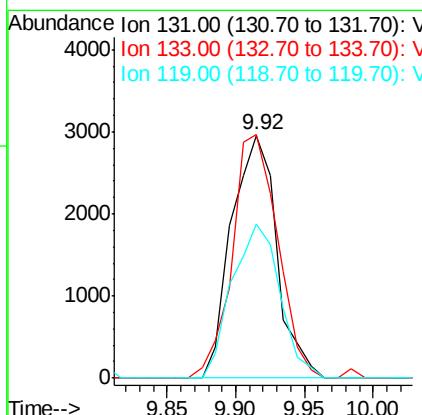
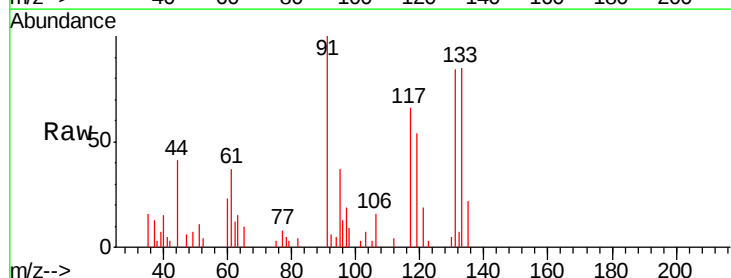
Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

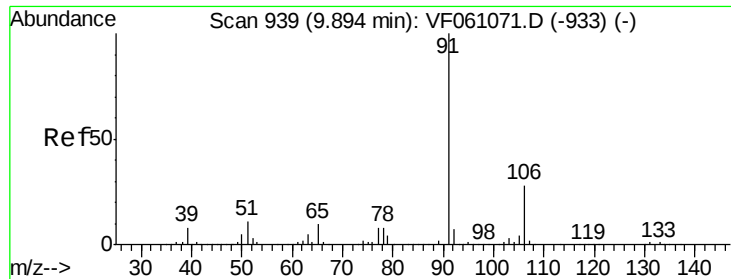
Tgt Ion:112 Resp: 18459
Ion Ratio Lower Upper
112 100
114 29.8 27.8 41.6



#66
1,1,1,2-Tetrachloroethane
Concen: 49.034 ug/l
RT: 9.92 min Scan# 941
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion:131 Resp: 6755
Ion Ratio Lower Upper
131 100
133 100.4 49.5 148.7
119 63.7 34.5 103.5





#67

Ethyl Benzene

Concen: 67.818 ug/l

RT: 9.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

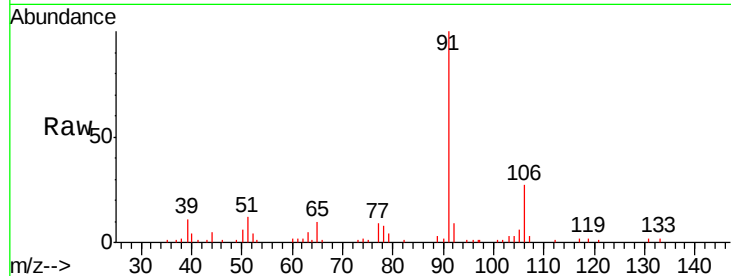
P001-SS025-1218-01MS

Tgt Ion: 91 Resp: 41650

Ion Ratio Lower Upper

91 100

106 26.7 22.5 33.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

9.89

20000

15000

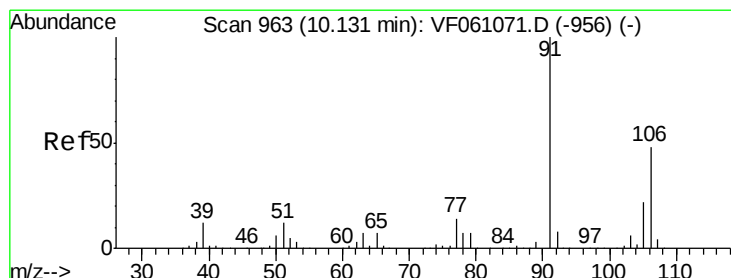
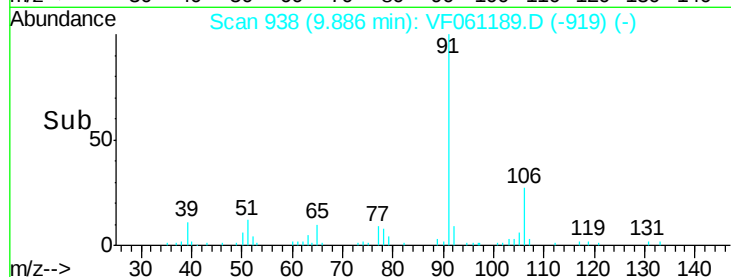
10000

5000

0

9.80 9.90 10.00

Time-->



#68

m/p-Xylenes

Concen: 127.454 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF061189.D

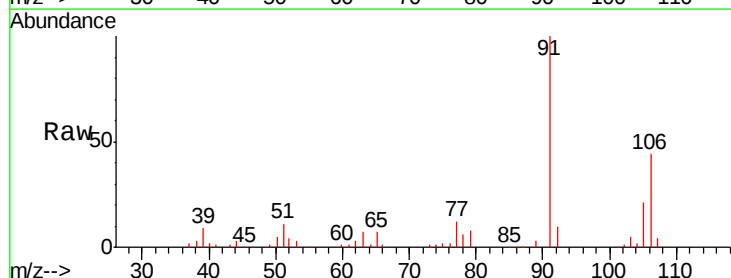
Acq: 26 Dec 2018 15:38

Tgt Ion: 106 Resp: 27547

Ion Ratio Lower Upper

106 100

91 225.4 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.11

30000

25000

20000

15000

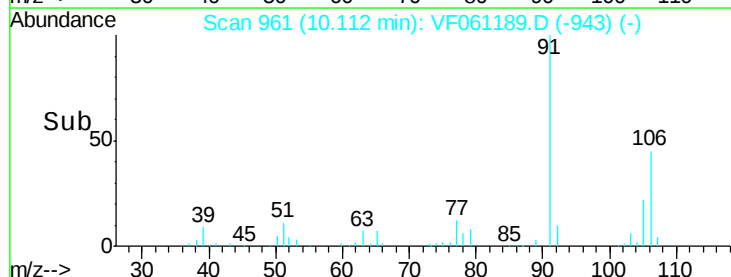
10000

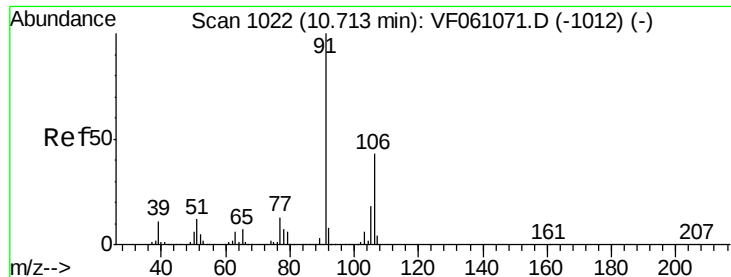
5000

0

10.00 10.10 10.20 10.30

Time-->

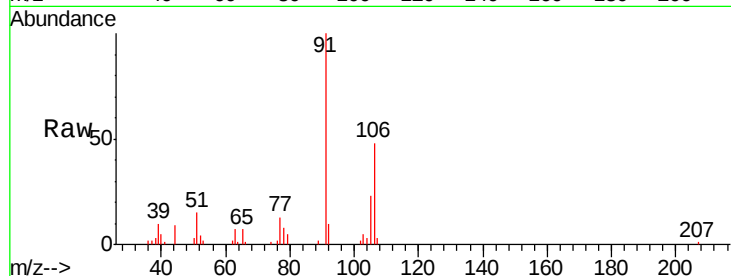




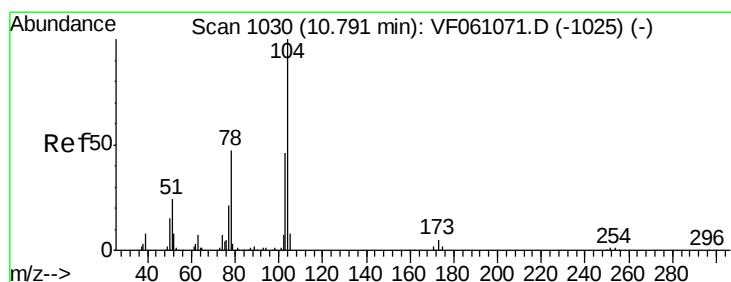
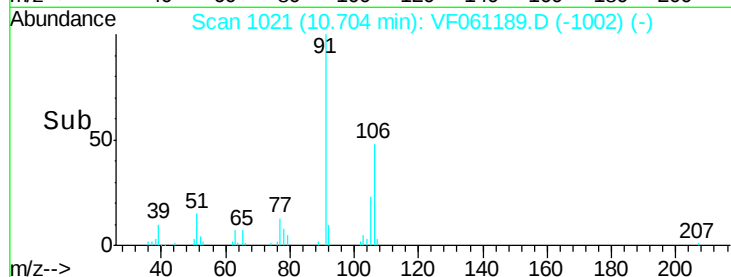
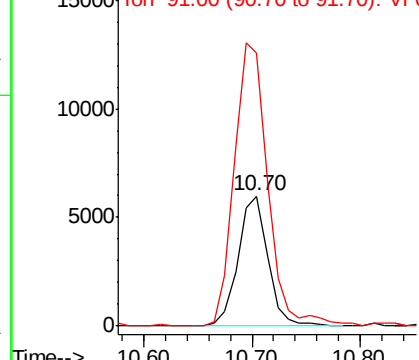
#69
o-Xylene
Concen: 47.758 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

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

Tgt Ion:106 Resp: 11448
Ion Ratio Lower Upper
106 100
91 210.2 115.9 347.7

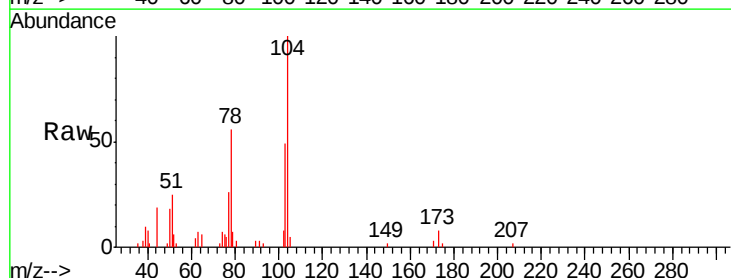


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

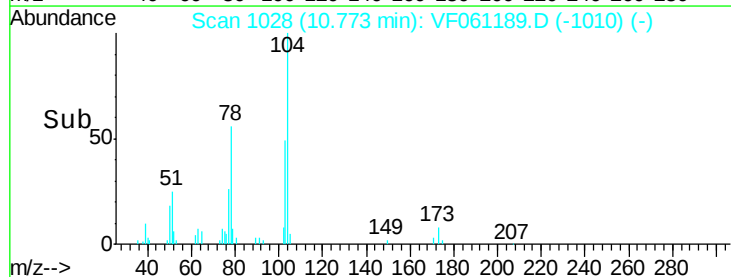
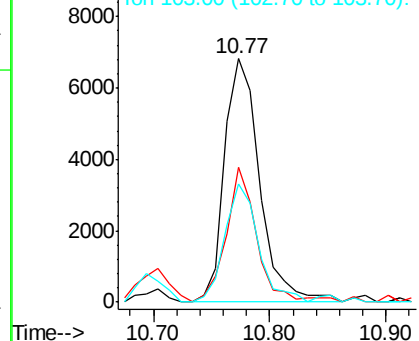


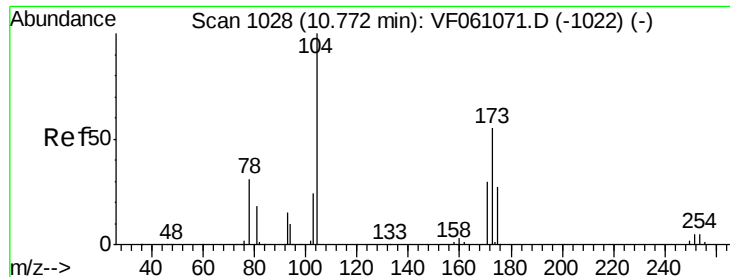
#70
Styrene
Concen: 49.015 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion:104 Resp: 14345
Ion Ratio Lower Upper
104 100
78 55.6 38.4 57.6
103 48.7 37.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 27.708 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

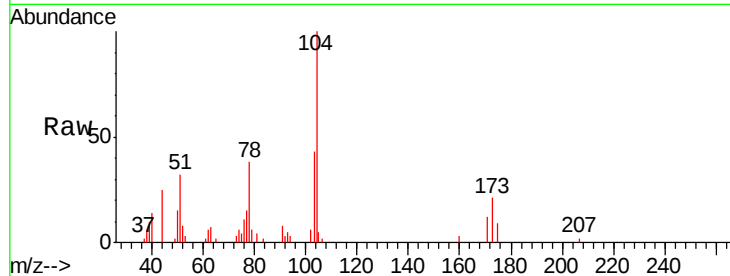
Tgt Ion:173 Resp: 1766

Ion Ratio Lower Upper

173 100

175 44.0 24.8 74.4

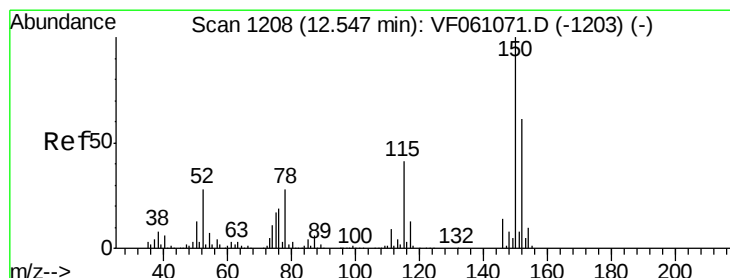
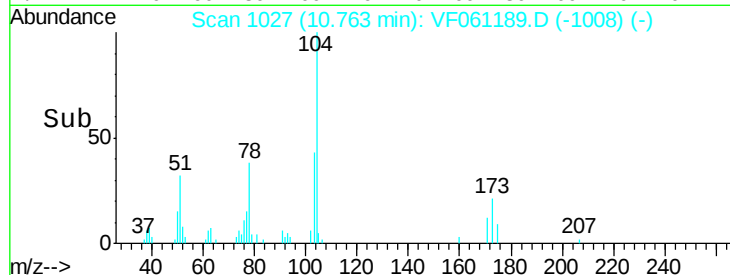
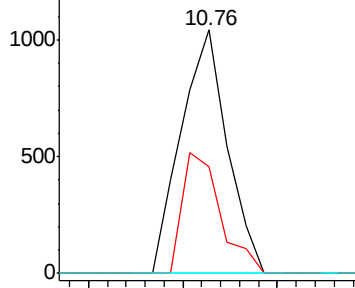
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

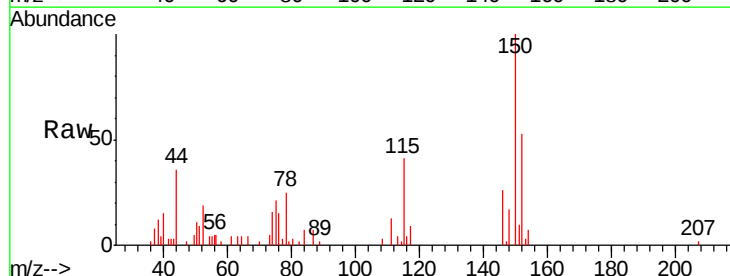
Tgt Ion:152 Resp: 4040

Ion Ratio Lower Upper

152 100

115 77.6 33.3 99.9

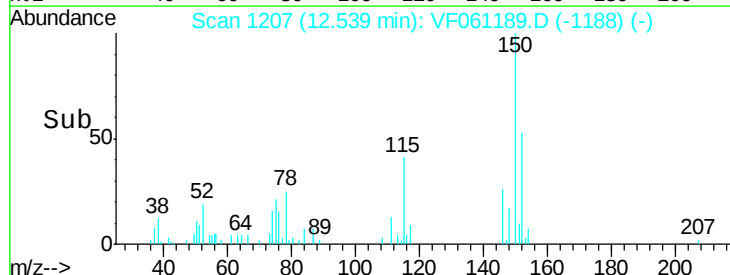
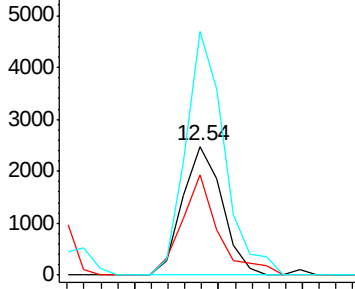
150 189.0 0.0 328.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 126.165 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

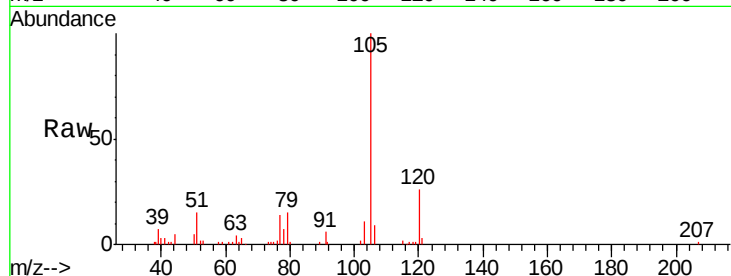
P001-SS025-1218-01MS

Tgt Ion:105 Resp: 43924

Ion Ratio Lower Upper

105 100

120 25.7 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

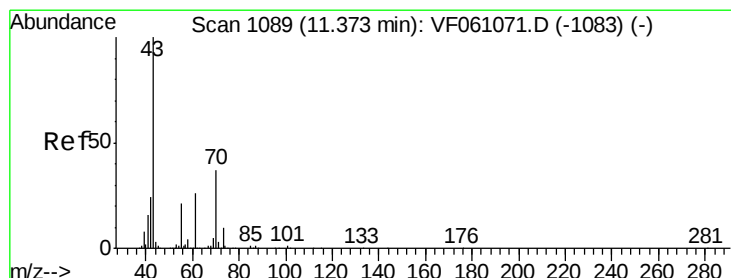
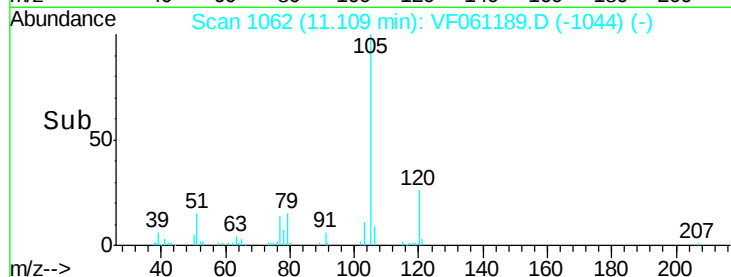
15000

10000

5000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 2.950 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion: 43 Resp: 228

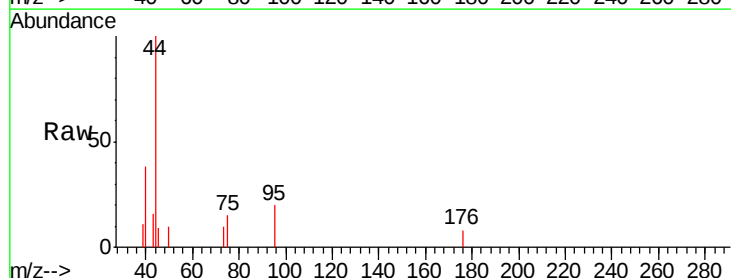
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 0.0 16.5 24.7#

61 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

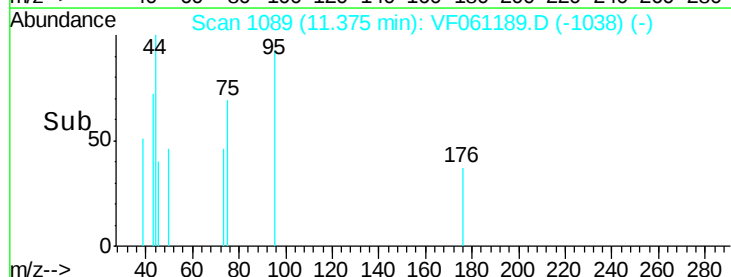
300

200

100

0

Time--> 11.36 11.38





#75

1,1,2,2-Tetrachloroethane

Concen: 55.866 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

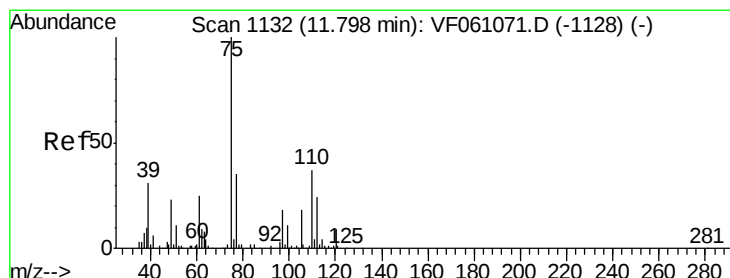
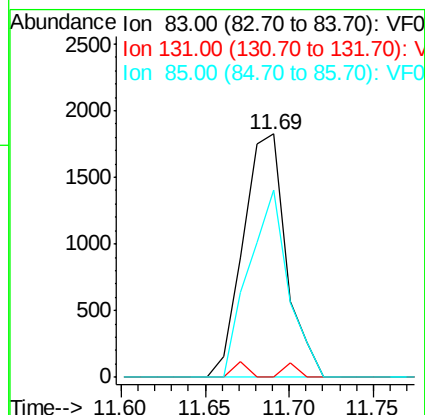
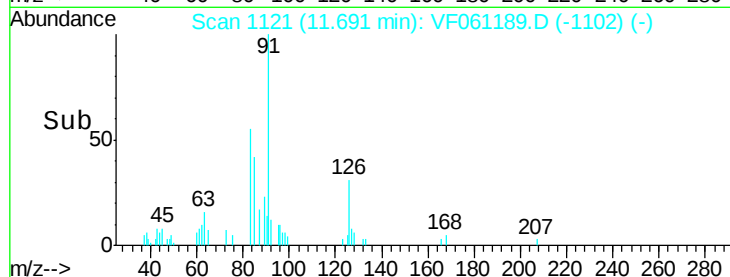
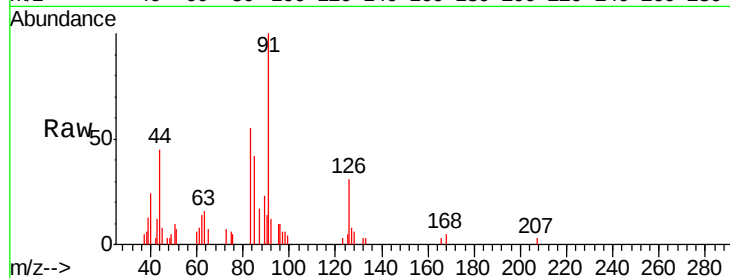
Tgt Ion: 83 Resp: 3228

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 76.7 33.9 101.6



#76

1,2,3-Trichloropropane

Concen: 62.953 ug/l

RT: 11.79 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF061189.D

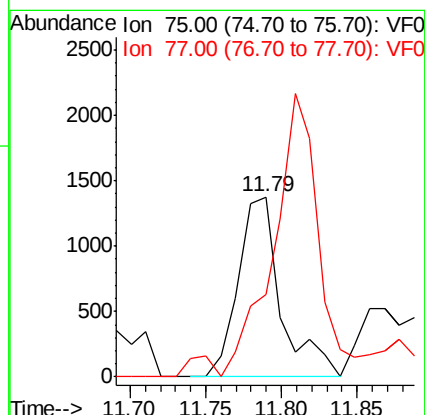
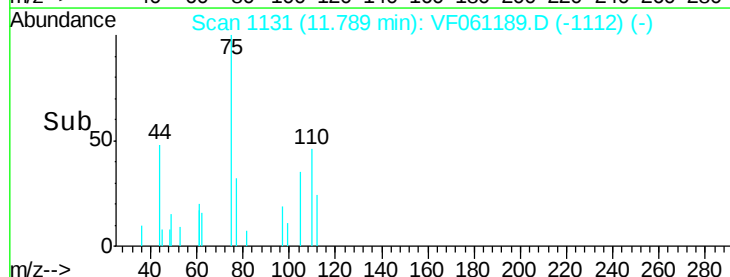
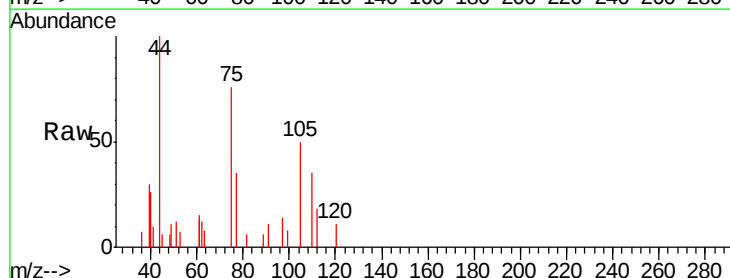
Acq: 26 Dec 2018 15:38

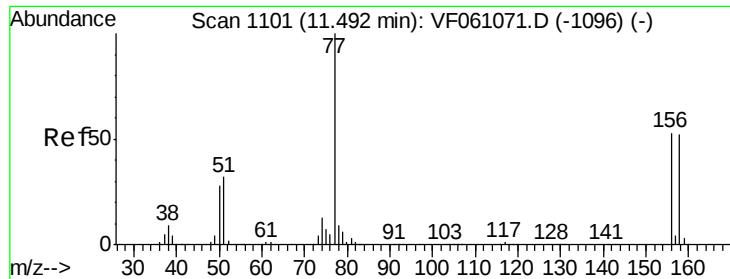
Tgt Ion: 75 Resp: 2707

Ion Ratio Lower Upper

75 100

77 45.6 17.6 52.9





#77

Bromobenzene

Concen: 63.567 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

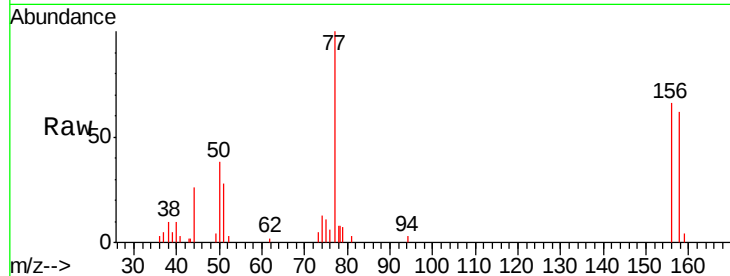
Tgt Ion:156 Resp: 4764

Ion Ratio Lower Upper

156 100

77 150.9 93.8 281.4

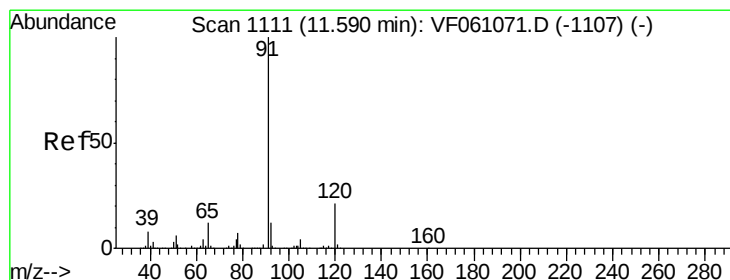
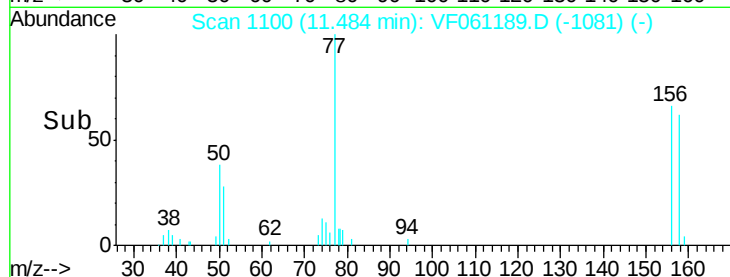
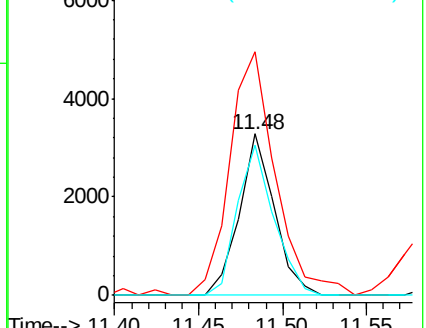
158 92.8 48.9 146.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: Below Cal

RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061189.D

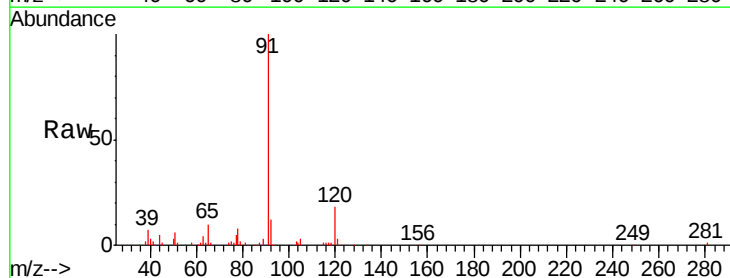
Acq: 26 Dec 2018 15:38

Tgt Ion: 91 Resp: 48028

Ion Ratio Lower Upper

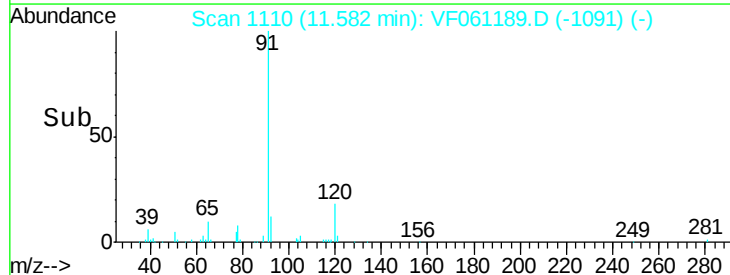
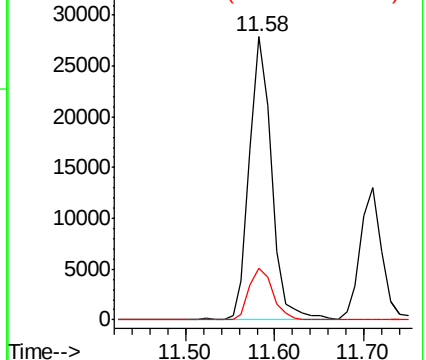
91 100

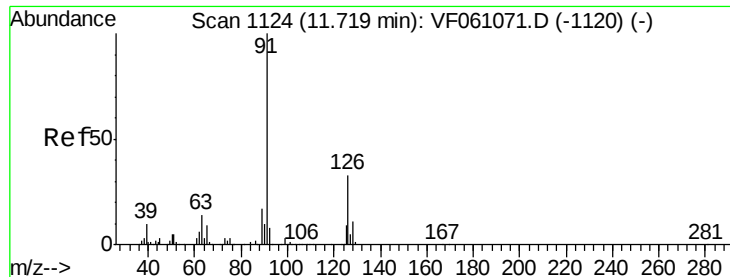
120 18.5 10.4 31.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 92.715 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

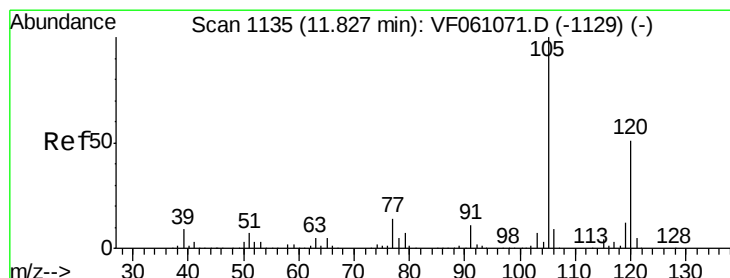
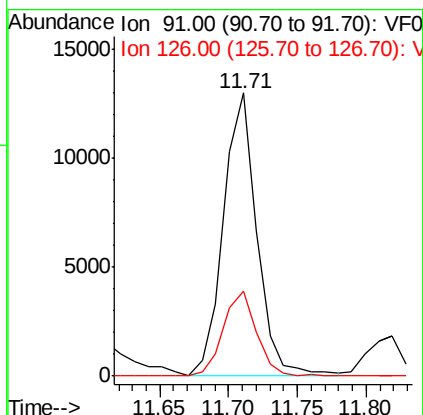
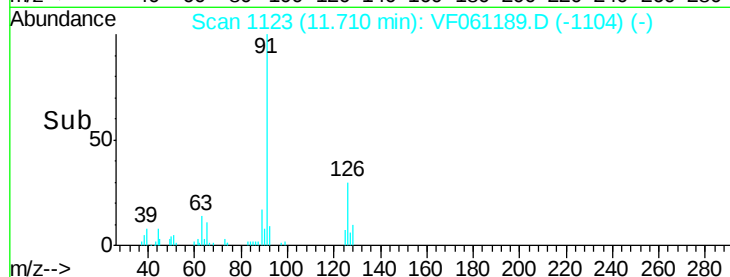
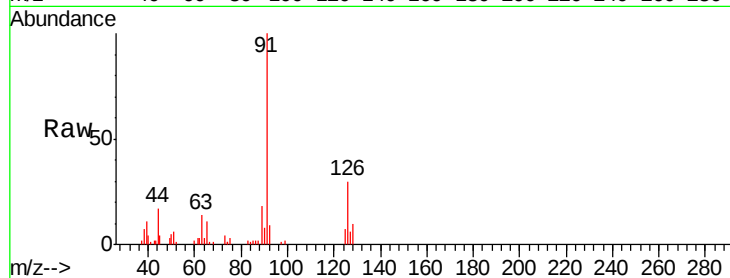
P001-SS025-1218-01MS

Tgt Ion: 91 Resp: 22143

Ion Ratio Lower Upper

91 100

126 29.9 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 97.543 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061189.D

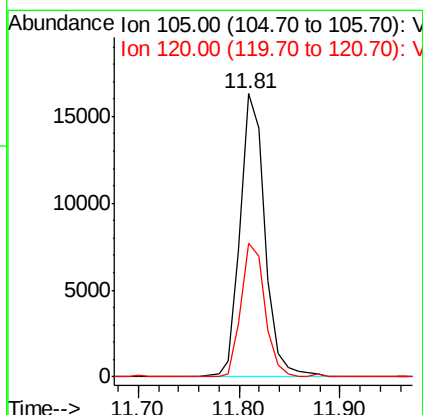
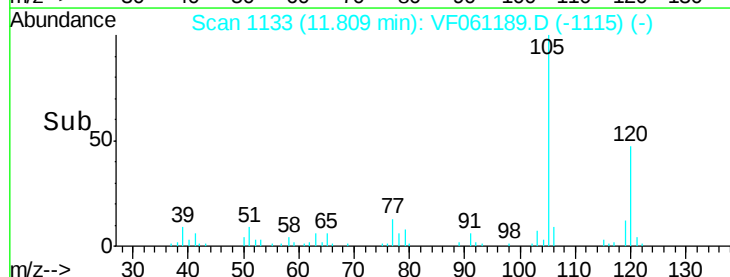
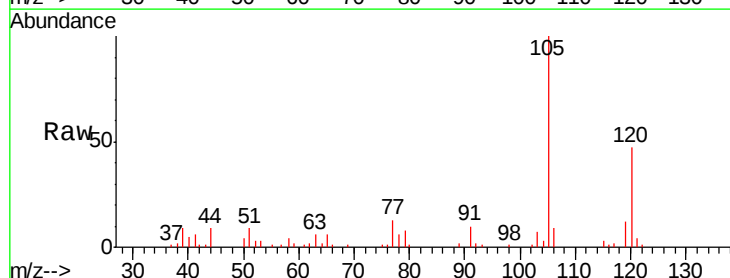
Acq: 26 Dec 2018 15:38

Tgt Ion: 105 Resp: 27963

Ion Ratio Lower Upper

105 100

120 47.1 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 83.019 ug/l

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

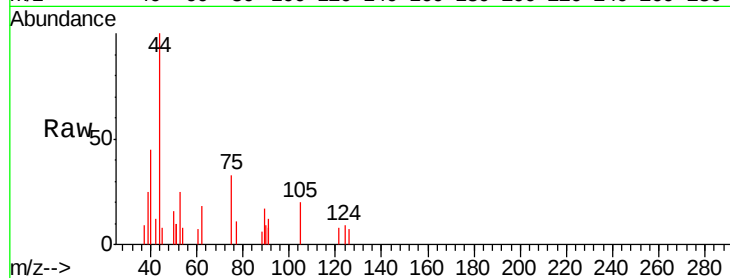
Tgt Ion: 75 Resp: 1534

Ion Ratio Lower Upper

75 100

53 74.5 74.1 111.1

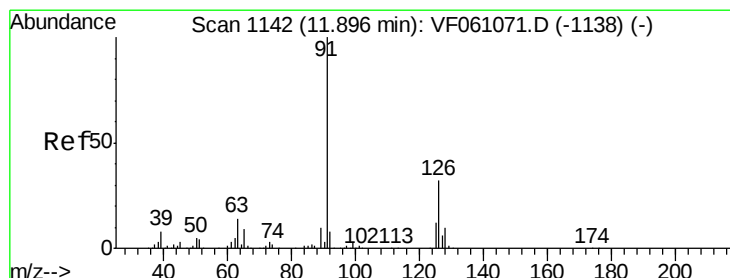
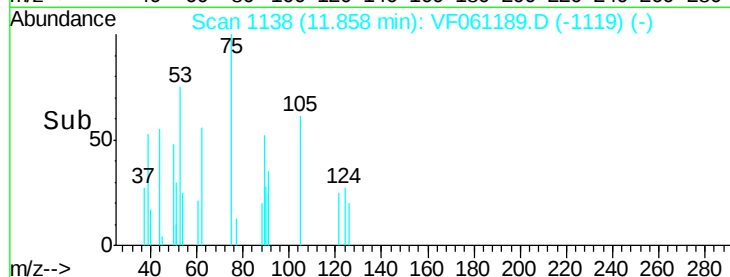
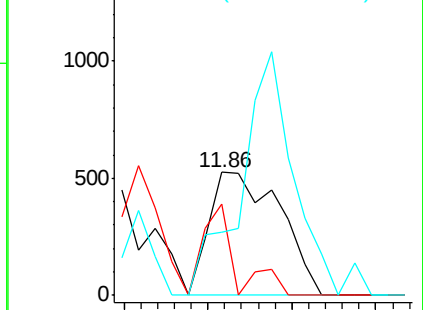
89 51.7 42.6 64.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 80.530 ug/l

RT: 11.89 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF061189.D

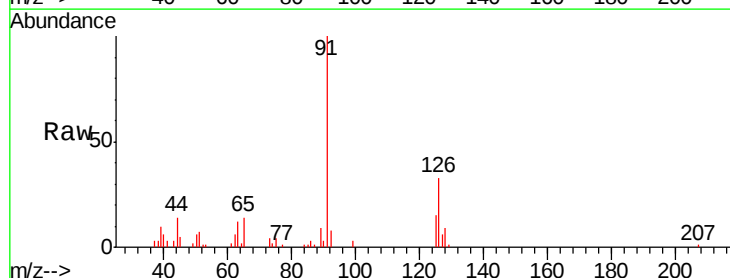
Acq: 26 Dec 2018 15:38

Tgt Ion: 91 Resp: 19896

Ion Ratio Lower Upper

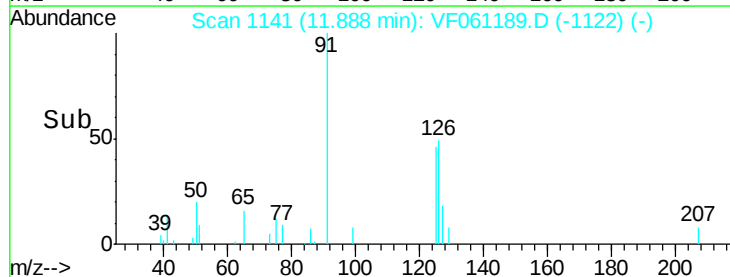
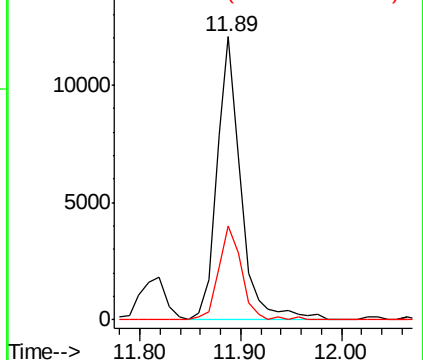
91 100

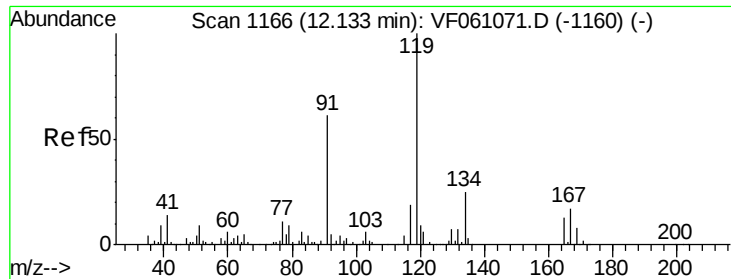
126 33.2 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

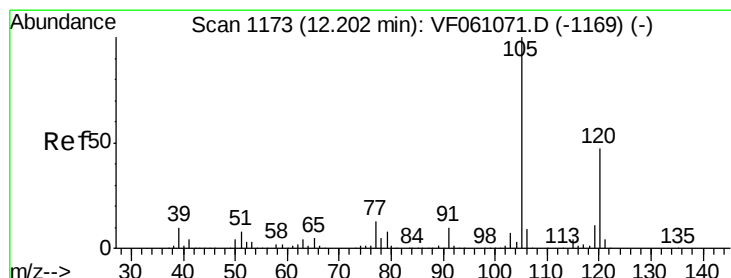
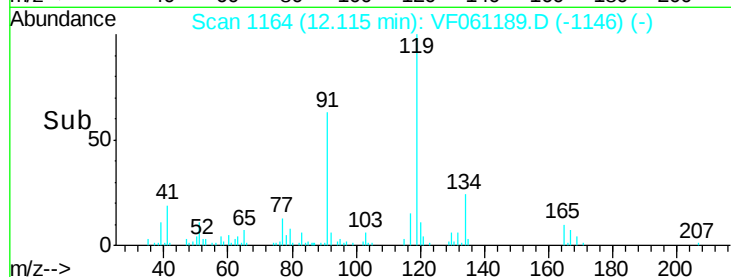
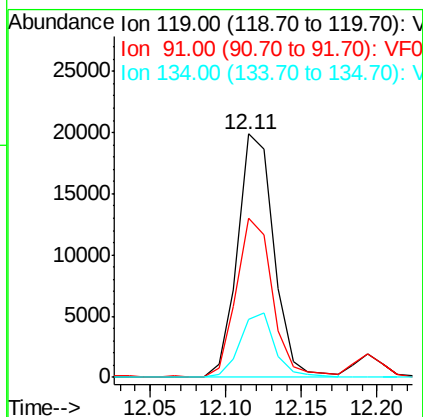
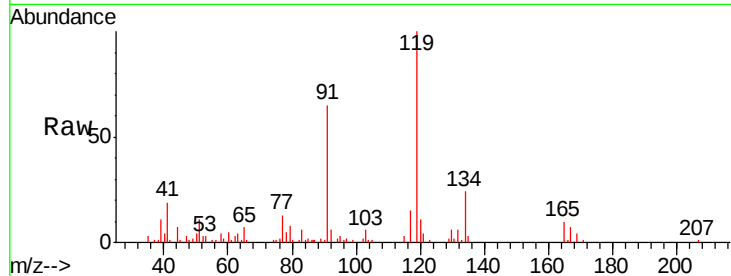




#83
 tert-Butylbenzene
 Concen: 113.077 ug/l
 RT: 12.11 min Scan# 1164
 Delta R.T. -0.02 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

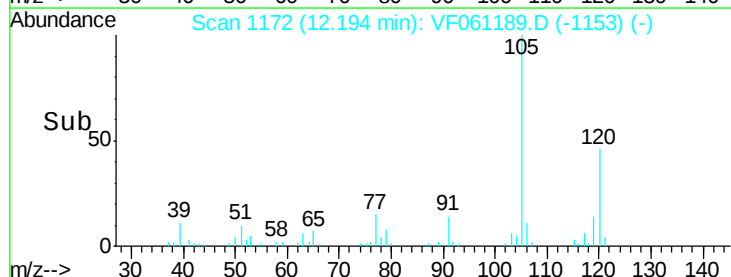
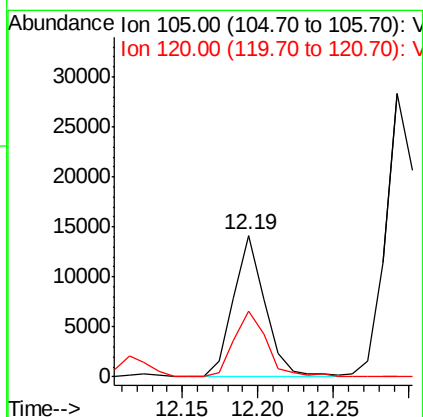
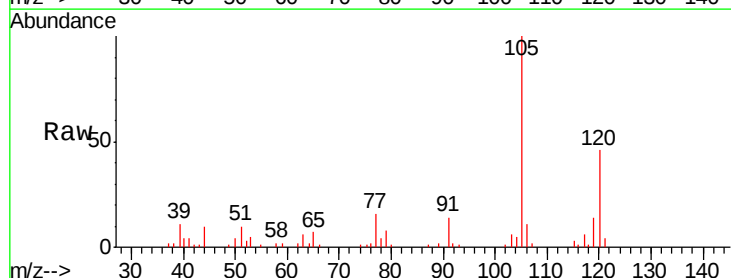
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

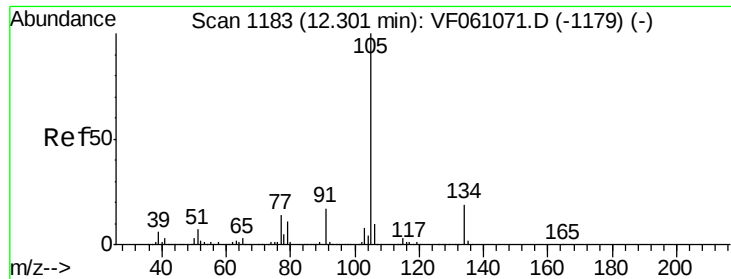
Tgt Ion:119 Resp: 33357
 Ion Ratio Lower Upper
 119 100
 91 65.2 30.5 91.5
 134 24.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 72.623 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion:105 Resp: 20761
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.6 71.0

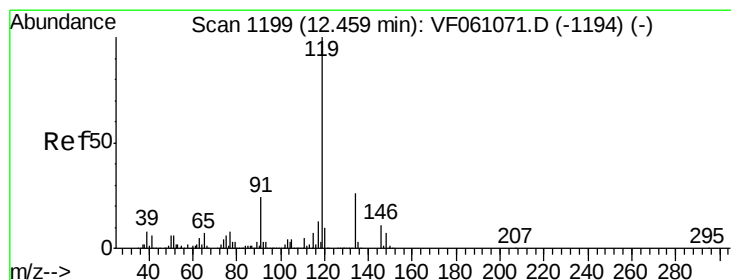
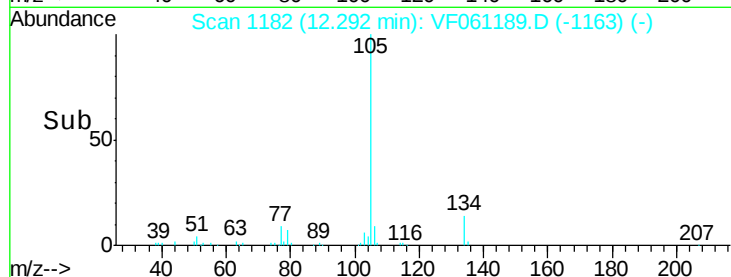
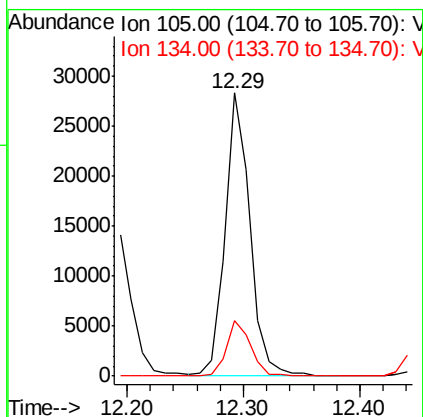
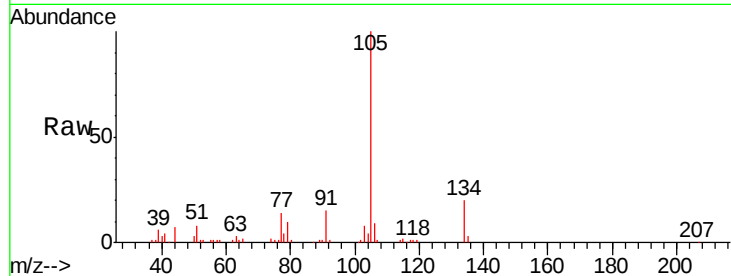




#85
 sec-Butylbenzene
 Concen: 108.897 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

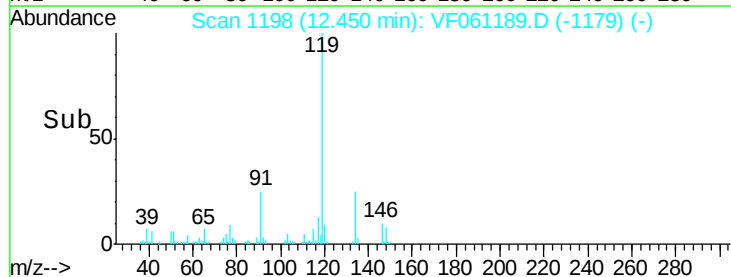
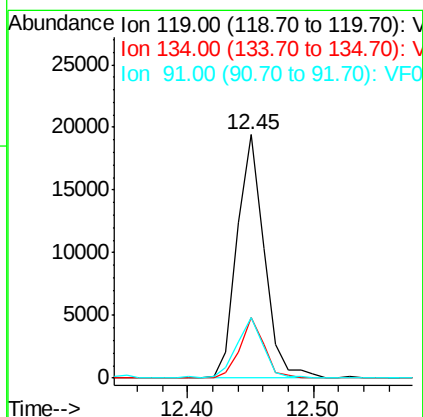
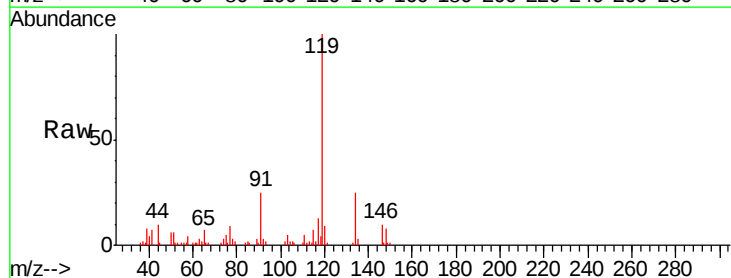
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

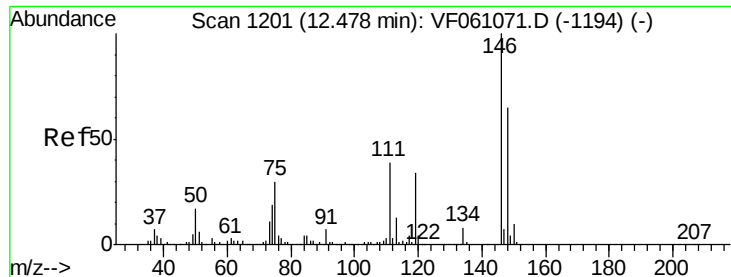
Tgt Ion:105 Resp: 41922
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 90.322 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion:119 Resp: 28862
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.8 38.4
 91 25.1 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 69.246 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

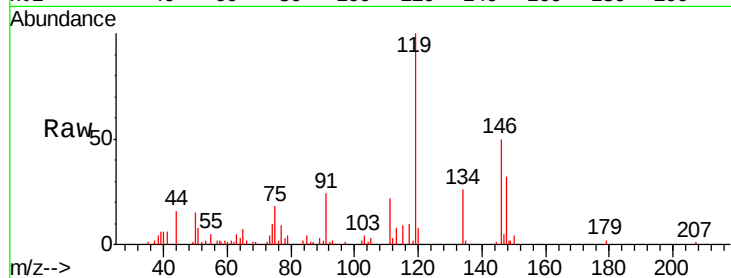
Tgt Ion:146 Resp: 8216

Ion Ratio Lower Upper

146 100

111 44.1 19.3 57.9

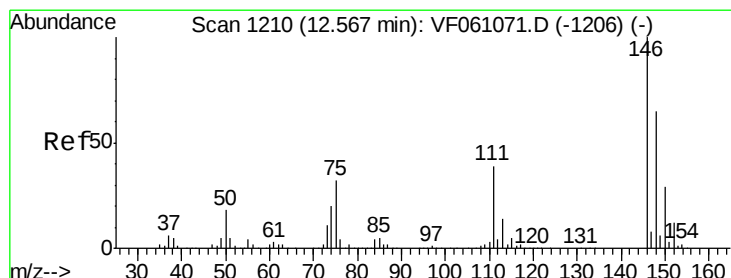
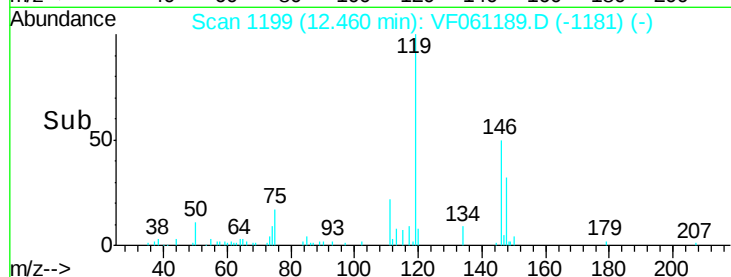
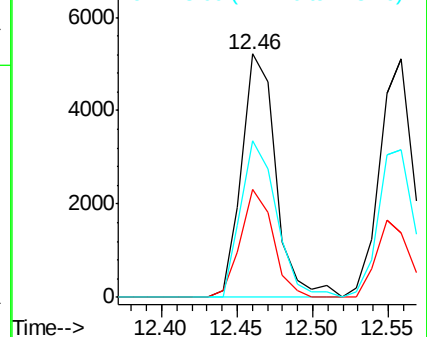
148 67.4 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 59.978 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

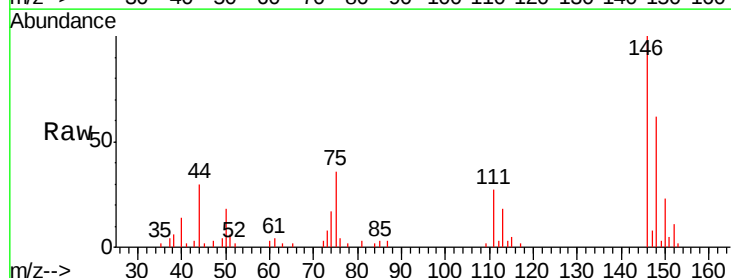
Tgt Ion:146 Resp: 8254

Ion Ratio Lower Upper

146 100

111 26.9 19.4 58.4

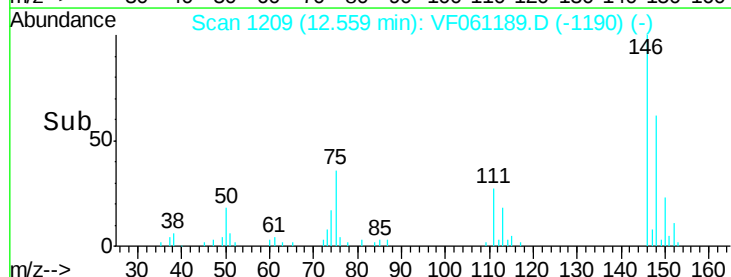
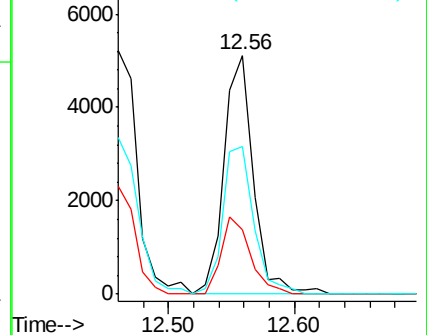
148 61.7 32.4 97.0

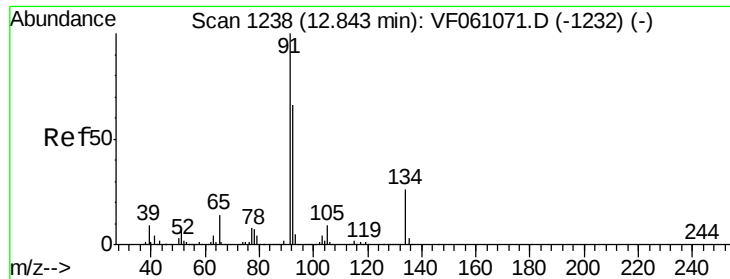


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 84.698 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

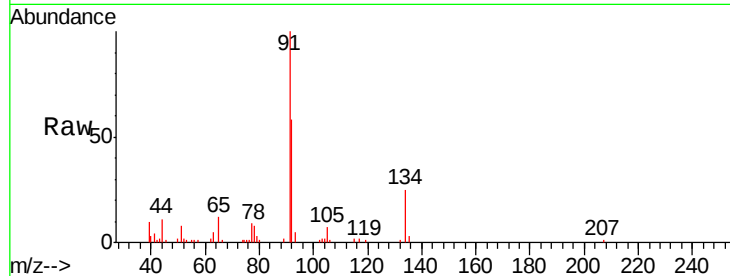
Tgt Ion: 91 Resp: 22802

Ion Ratio Lower Upper

91 100

92 57.6 32.8 98.4

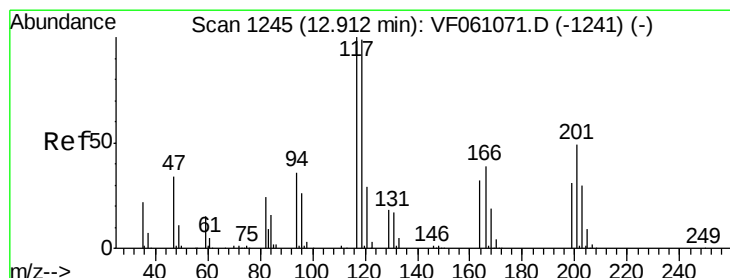
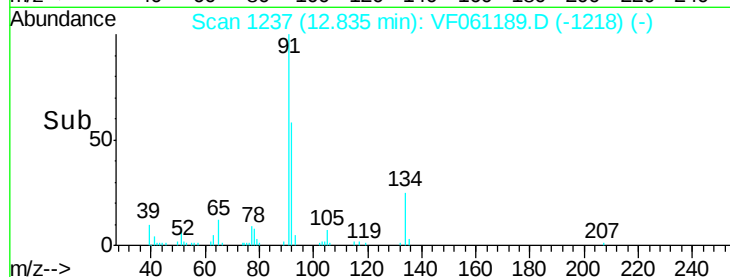
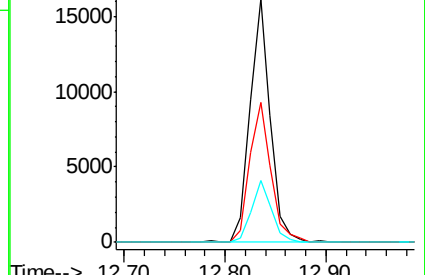
134 25.2 13.2 39.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 82.852 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VF061189.D

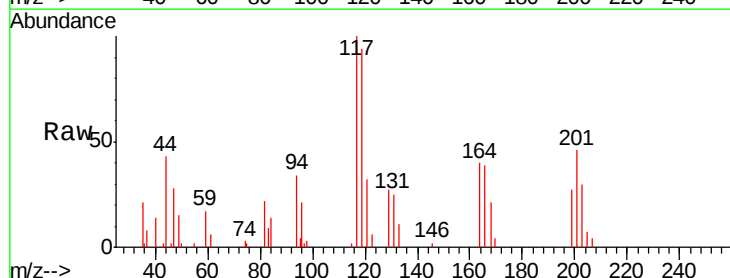
Acq: 26 Dec 2018 15:38

Tgt Ion: 117 Resp: 6541

Ion Ratio Lower Upper

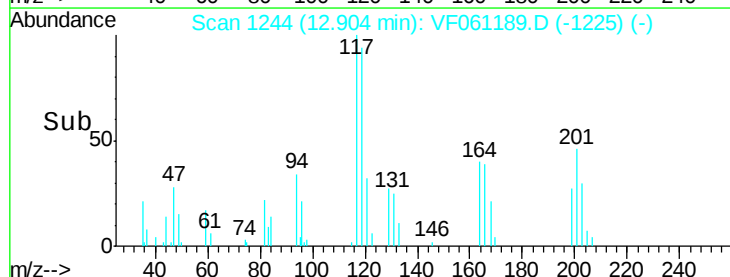
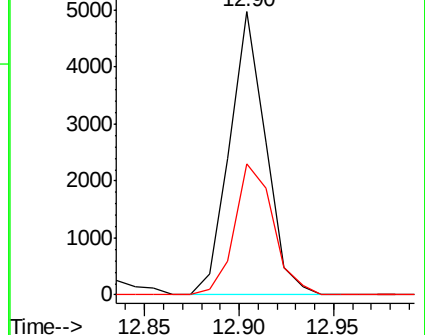
117 100

201 46.2 24.9 74.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

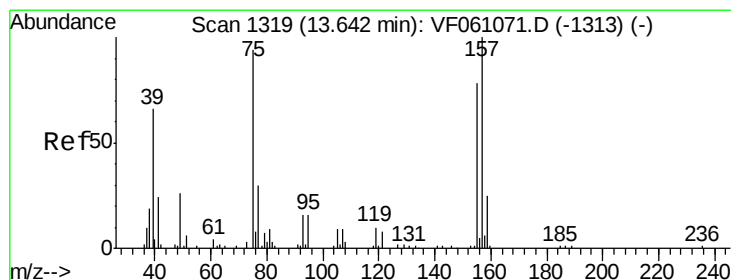
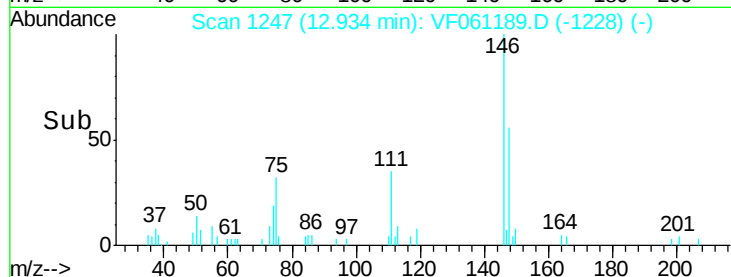
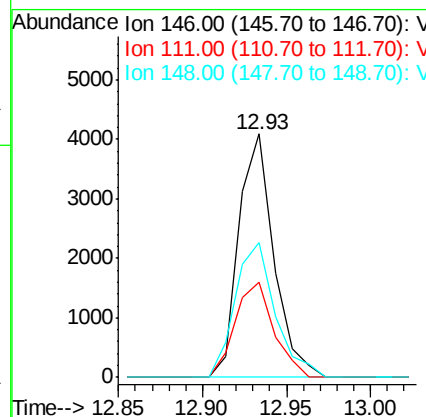
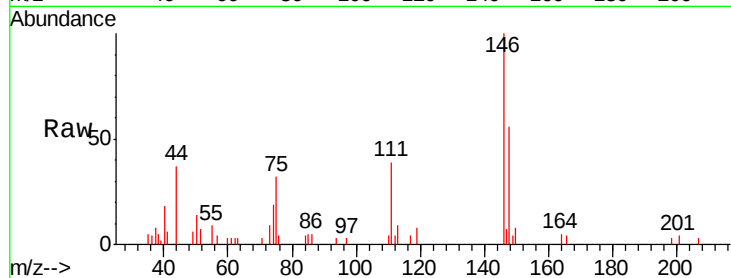




#91
 1,2-Dichlorobenzene
 Concen: 44.290 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

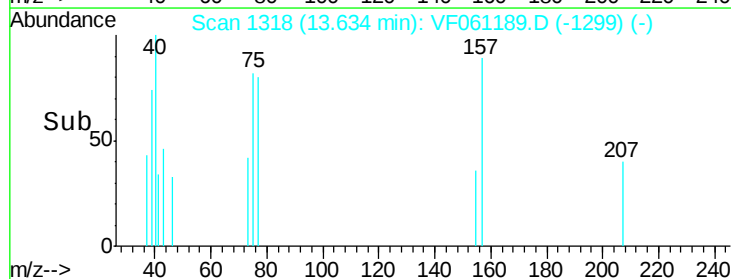
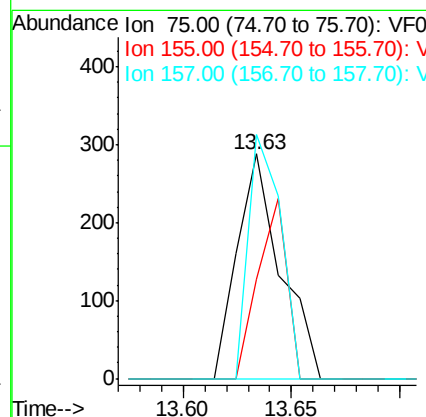
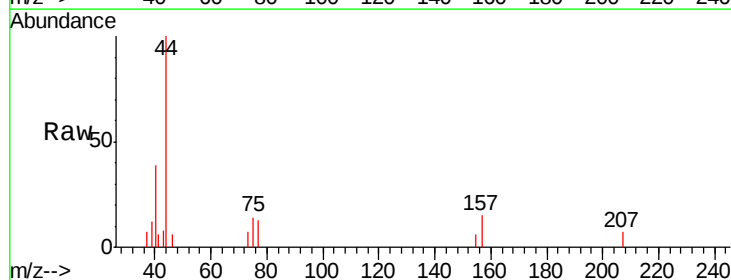
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tgt Ion: 146 Resp: 5934
 Ion Ratio Lower Upper
 146 100
 111 39.2 23.2 69.5
 148 55.5 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.197 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion: 75 Resp: 405
 Ion Ratio Lower Upper
 75 100
 155 44.4 41.5 124.5
 157 108.7 53.2 159.6

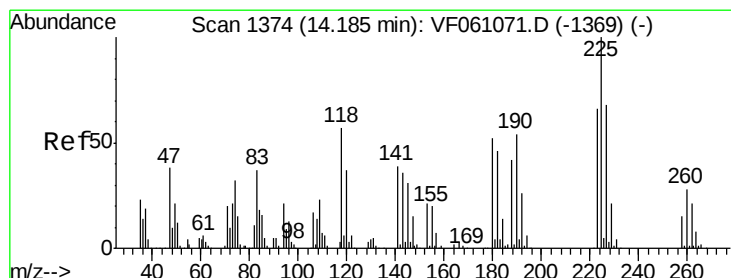
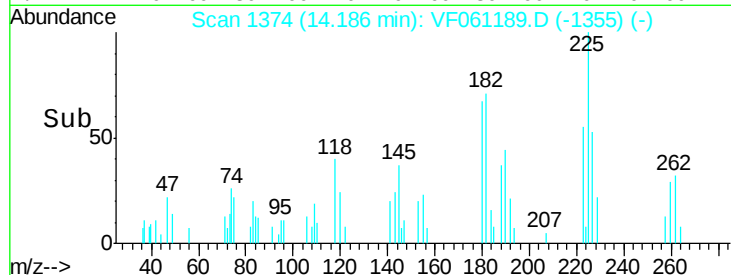
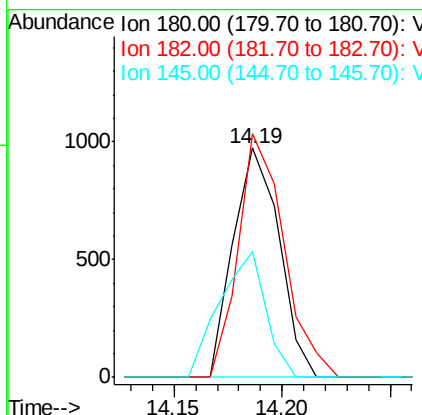
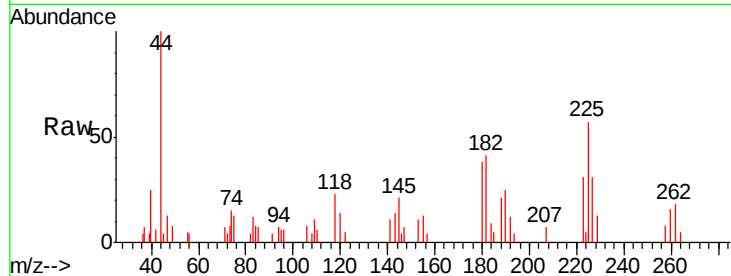




#93
 1,2,4-Trichlorobenzene
 Concen: 15.144 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

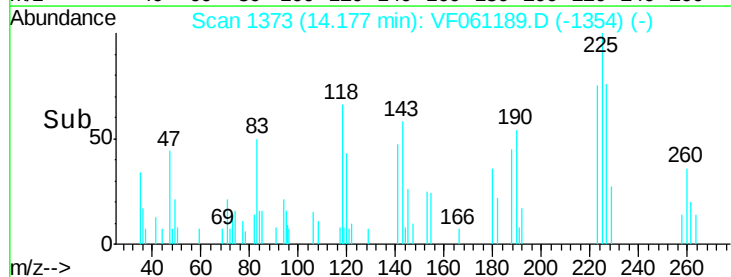
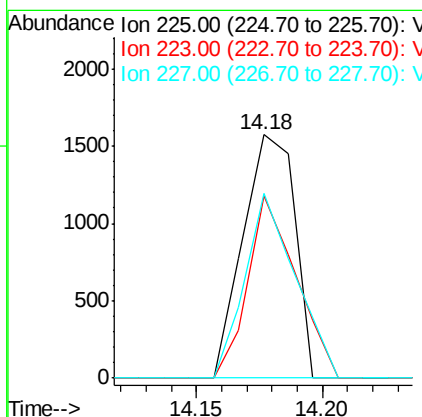
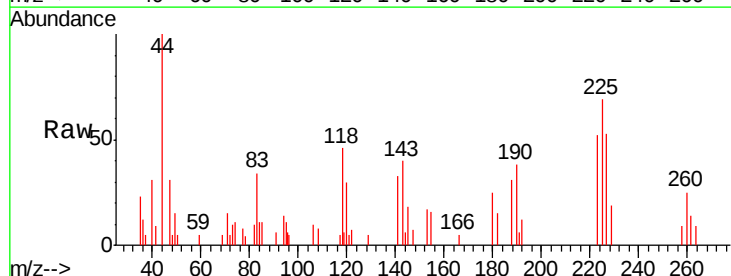
Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

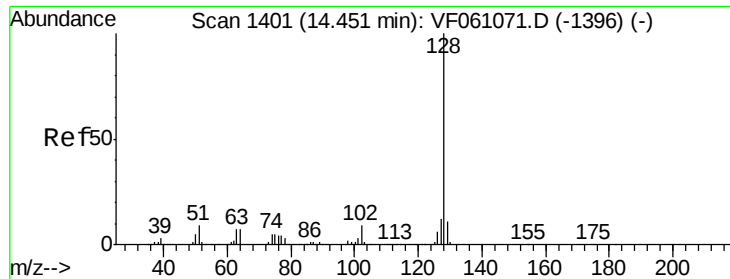
Tgt Ion:180 Resp: 1439
 Ion Ratio Lower Upper
 180 100
 182 106.2 46.9 140.6
 145 55.0 20.5 61.6



#94
 Hexachlorobutadiene
 Concen: 37.129 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion:225 Resp: 2247
 Ion Ratio Lower Upper
 225 100
 223 74.7 32.8 98.3
 227 75.9 34.0 101.8

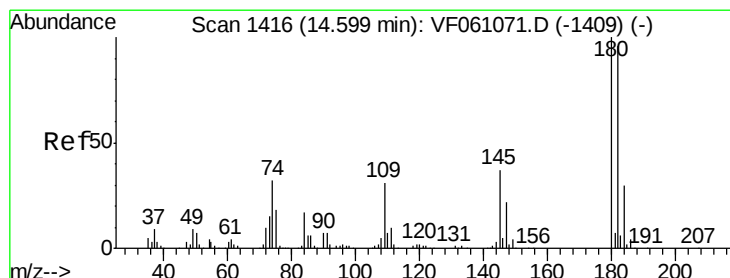
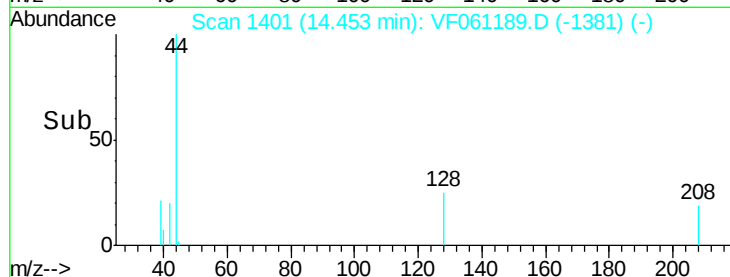
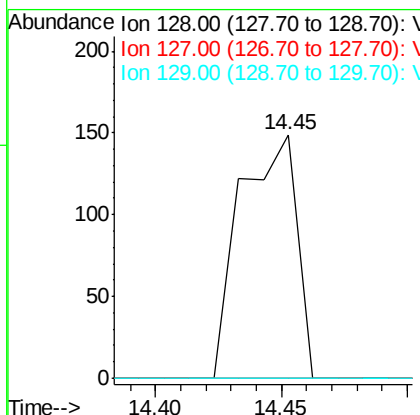
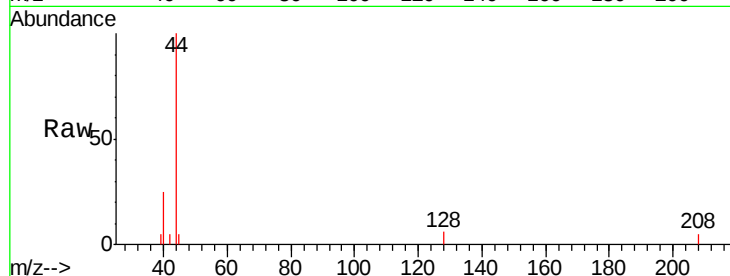




#95
Naphthalene
Concen: 1.337 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

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

Tgt Ion:128 Resp: 232
Ion Ratio Lower Upper
128 100
127 0.0 9.4 14.2#
129 0.0 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 9.813 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion:180 Resp: 862
Ion Ratio Lower Upper
180 100
182 75.5 47.9 143.8
145 26.5 18.6 55.8

