

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062918\
 Data File : VF059379.D
 Acq On : 29 Jun 2018 16:23
 Operator : VA/AP
 Sample : VF0629SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 29 23:39:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	281529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	442415	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	438317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	270211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	164130	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	
35) Dibromofluoromethane	4.28	113	147230	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
50) Toluene-d8	7.70	98	350703	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
62) 4-Bromofluorobenzene	11.50	95	201533	44.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	52057	20.239	ug/l	100
3) Chloromethane	1.08	50	34667	20.062	ug/l	100
4) Vinyl Chloride	1.14	62	36606	21.521	ug/l	96
5) Bromomethane	1.33	94	23211	21.620	ug/l	98
6) Chloroethane	1.43	64	16218	18.931	ug/l #	85
7) Trichlorofluoromethane	1.48	101	18611	5.533	ug/l	91
8) Diethyl Ether	1.69	74	19014	22.047	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	40385	20.570	ug/l	92
10) Methyl Iodide	1.95	142	71443	19.955	ug/l	98
11) Tert butyl alcohol	2.67	59	24406	100.789	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	37013	22.300	ug/l	83
13) Acrolein	2.08	56	14490	115.059	ug/l	87
14) Allyl chloride	2.18	41	68535	21.997	ug/l	88
15) Acrylonitrile	3.06	53	49314	115.646	ug/l	88
16) Acetone	2.33	43	108037	113.355	ug/l	99
17) Carbon Disulfide	1.86	76	78838	20.193	ug/l	96
18) Methyl Acetate	2.44	43	38071	22.551	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	134651	21.749	ug/l #	92
20) Methylene Chloride	2.27	84	19526	2.562	ug/l	93
21) trans-1,2-Dichloroethene	2.40	96	36300	20.502	ug/l	91
22) Diisopropyl ether	2.92	45	155292	22.508	ug/l	99
23) Vinyl Acetate	3.32	43	509555	115.966	ug/l	100
24) 1,1-Dichloroethane	2.99	63	96812	22.632	ug/l	98
25) 2-Butanone	4.49	43	138306	124.315	ug/l	94
26) 2,2-Dichloropropane	3.74	77	61990	21.010	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	57819	21.509	ug/l	80
28) Bromochloromethane	3.87	49	43618	24.376	ug/l	92
29) Tetrahydrofuran	4.24	42	59304	122.236	ug/l	97
30) Chloroform	4.01	83	132129	21.336	ug/l	93
31) Cyclohexane	3.84	56	60354	21.537	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	95218	21.011	ug/l	93
36) 1,1-Dichloropropene	4.44	75	80734	20.889	ug/l	98
37) Ethyl Acetate	4.27	43	61393	24.064	ug/l	88
38) Carbon Tetrachloride	4.15	117	111307	22.821	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	75141	21.940	ug/l	94
40) Benzene	4.79	78	184416	21.521	ug/l	96
41) Methacrylonitrile	4.90	41	28805	21.849	ug/l #	89
42) 1,2-Dichloroethane	5.10	62	104844	20.938	ug/l	99
43) Isopropyl Acetate	7.10	43	73350	22.785	ug/l #	98
44) Trichloroethene	5.66	130	61835	21.035	ug/l	96
45) 1,2-Dichloropropane	6.39	63	52245	21.339	ug/l	96
46) Dibromomethane	6.24	93	41253	19.413	ug/l	97
47) Bromodichloromethane	6.53	83	102762	19.977	ug/l	99
48) Methyl methacrylate	6.86	41	48250	22.363	ug/l	91
49) 1,4-Dioxane	6.86	88	5277	434.322	ug/l #	83
51) 4-Methyl-2-Pentanone	8.39	43	265043	111.130	ug/l	94
52) Toluene	7.77	92	130716	20.386	ug/l	99
53) t-1,3-Dichloropropene	8.41	75	102408	21.841	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	104176	20.455	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	53057	21.311	ug/l	93
56) Ethyl methacrylate	8.74	69	64439	20.894	ug/l	93
57) 1,3-Dichloropropane	8.99	76	89279	20.909	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	23156	100.112	ug/l	100
59) 2-Hexanone	9.62	43	233055	121.379	ug/l	94
60) Dibromochloromethane	8.85	129	79206	20.607	ug/l	97
61) 1,2-Dibromoethane	9.12	107	64648	21.411	ug/l	89
64) Tetrachloroethene	8.29	164	61859	21.760	ug/l	95
65) Chlorobenzene	9.93	112	171858	21.159	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	74044	21.078	ug/l	91
67) Ethyl Benzene	10.02	91	297598	21.599	ug/l	98
68) m/p-Xylenes	10.25	106	214759	43.791	ug/l	99
69) o-Xylene	10.81	106	122323	22.300	ug/l	92
70) Styrene	10.89	104	175284	20.977	ug/l	97
71) Bromoform	10.88	173	51522	21.398	ug/l	94
73) Isopropylbenzene	11.22	105	349635	22.211	ug/l	98
74) N-amyl acetate	11.45	43	129620	22.690	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	81987	20.622	ug/l	92
76) 1,2,3-Trichloropropane	11.88	75	66028	22.017	ug/l	96
77) Bromobenzene	11.58	156	88826	20.338	ug/l	92
78) n-propylbenzene	11.68	91	412643	21.827	ug/l	95
79) 2-Chlorotoluene	11.80	91	243025	21.041	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	299716	21.735	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	37496	21.007	ug/l	98
82) 4-Chlorotoluene	11.98	91	264323	21.365	ug/l	90
83) tert-Butylbenzene	12.20	119	295793	21.447	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	312601	21.525	ug/l	97
85) sec-Butylbenzene	12.38	105	401076	21.939	ug/l	98
86) p-Isopropyltoluene	12.53	119	330461	21.540	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	164821	20.108	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	164543	21.096	ug/l	99
89) n-Butylbenzene	12.91	91	330271	21.206	ug/l	97
90) Hexachloroethane	12.99	117	79583	20.813	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	167316	21.102	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17157	19.468	ug/l	84

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Instrument :
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ClientSampleId :

Quant Time: Jun 29 23:39:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 26 08:45:17 2018
Response via : Initial Calibration

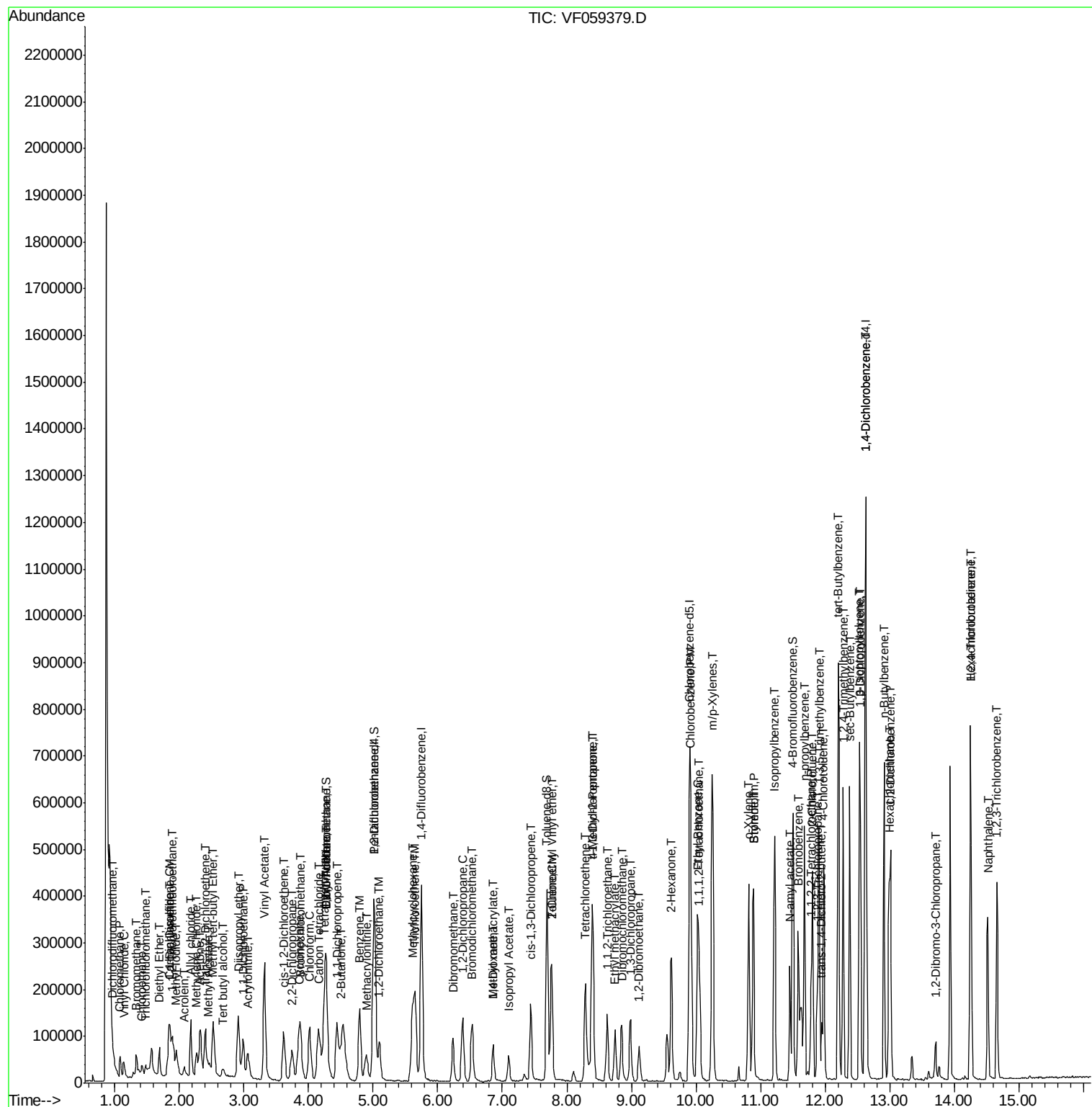
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	126818	21.632	ug/l	95
94) Hexachlorobutadiene	14.25	225	72003	21.988	ug/l	97
95) Naphthalene	14.52	128	255713	20.847	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	117272	21.116	ug/l	99

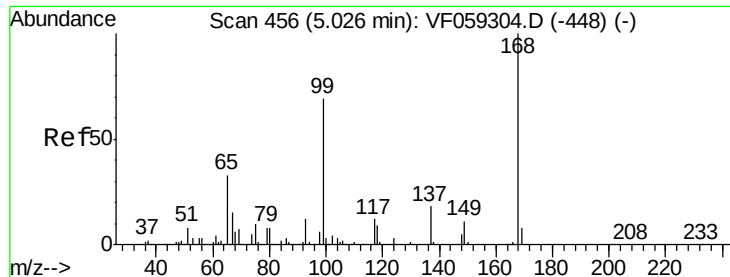
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Jun 29 23:39:36 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

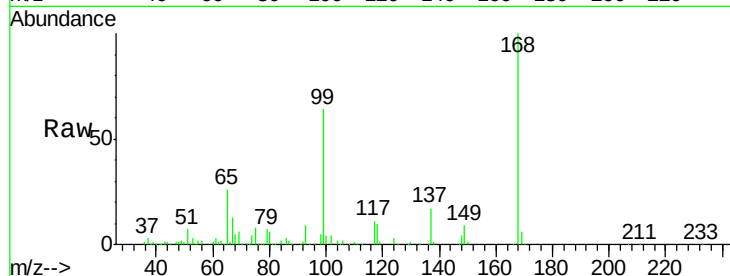
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 281529

Ion Ratio Lower Upper

168 100

99 64.0 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

100000

80000

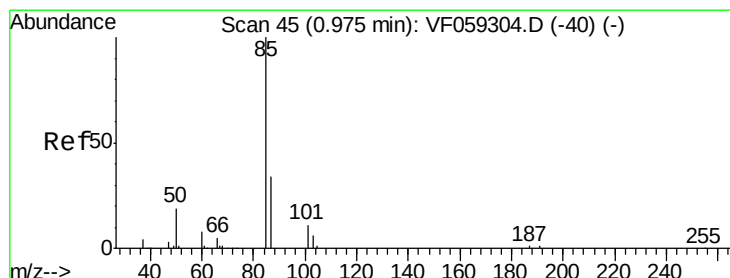
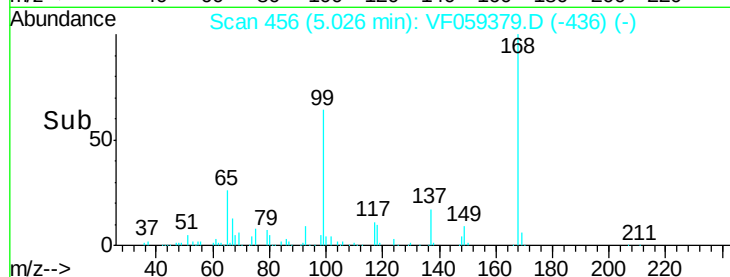
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.239 ug/l

RT: 0.97 min Scan# 45

Delta R.T. 0.00 min

Lab File: VF059379.D

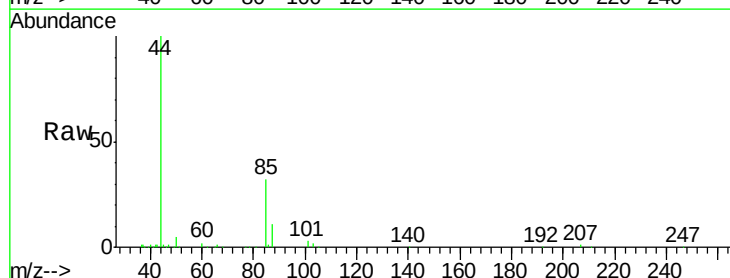
Acq: 29 Jun 2018 16:23

Tgt Ion: 85 Resp: 52057

Ion Ratio Lower Upper

85 100

87 34.2 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

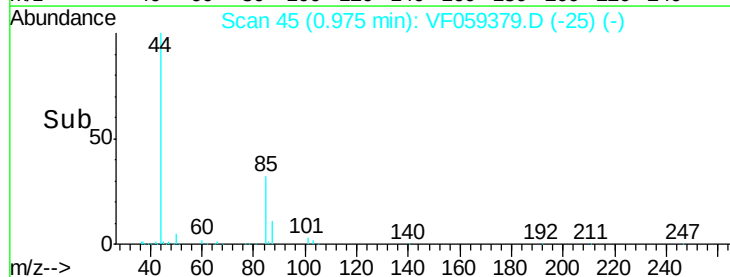
15000

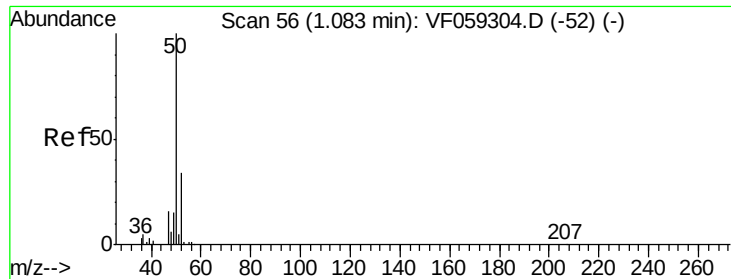
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.062 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

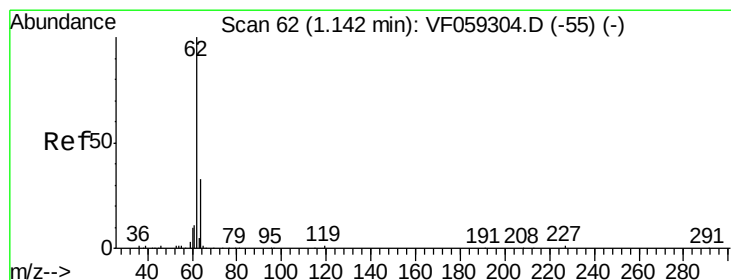
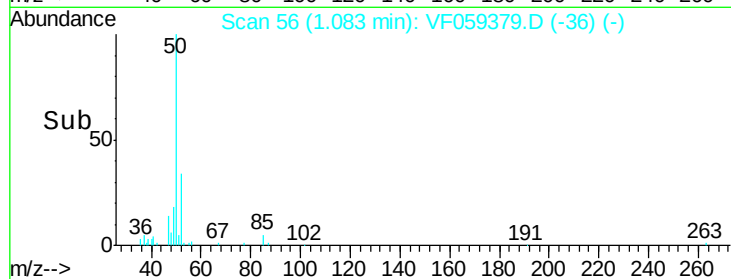
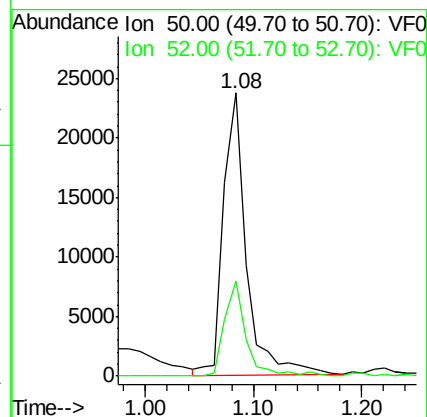
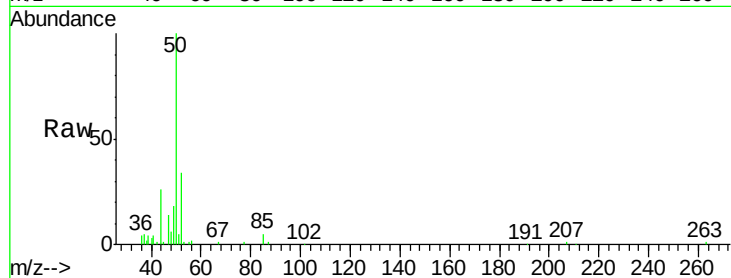
ClientSampleId :

Tot Ion: 50 Resp: 34667

Ion Ratio Lower Upper

50 100

52 33.5 26.7 40.1



#4

Vinyl Chloride

Concen: 21.521 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF059379.D

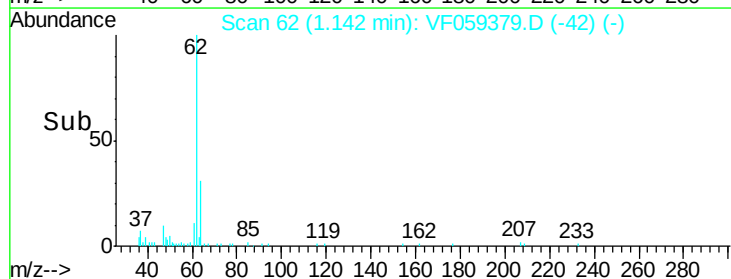
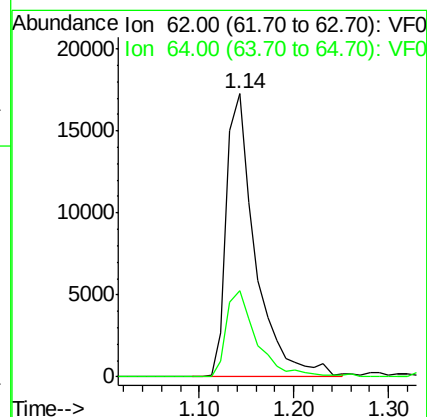
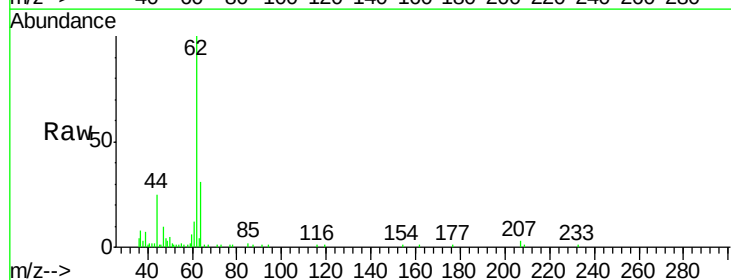
Acq: 29 Jun 2018 16:23

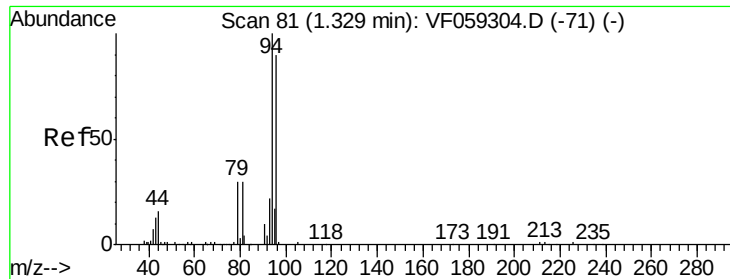
Tgt Ion: 62 Resp: 36606

Ion Ratio Lower Upper

62 100

64 30.6 26.3 39.5





#5

Bromomethane

Concen: 21.620 ug/l

RT: 1.33 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

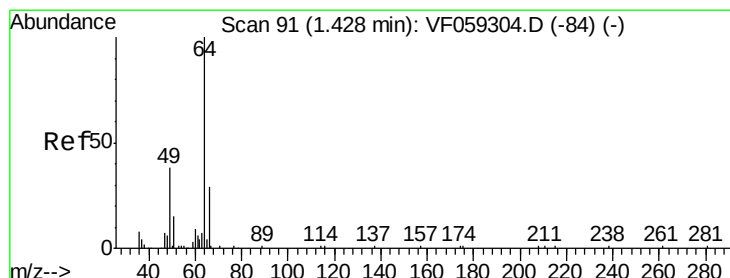
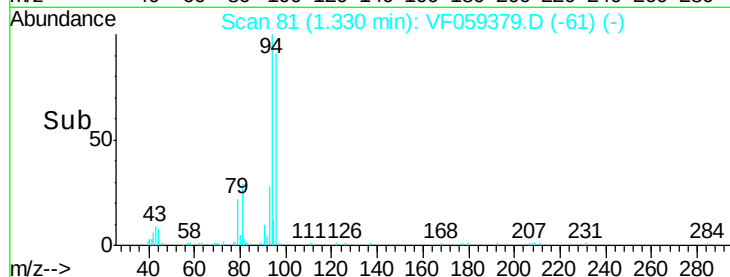
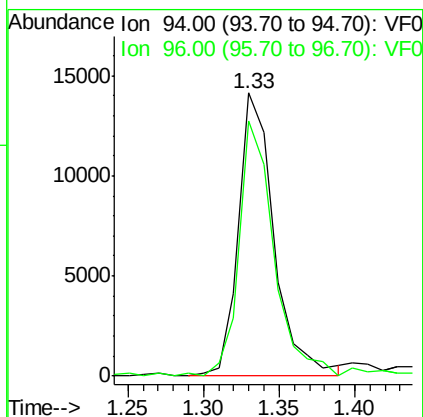
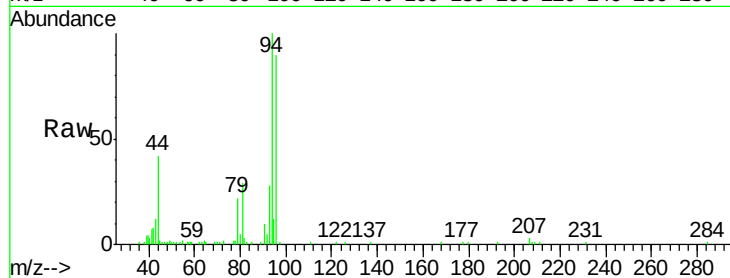
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 23211

Ion Ratio Lower Upper

94 100

96 90.0 73.4 110.0



#6

Chloroethane

Concen: 18.931 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.00 min

Lab File: VF059379.D

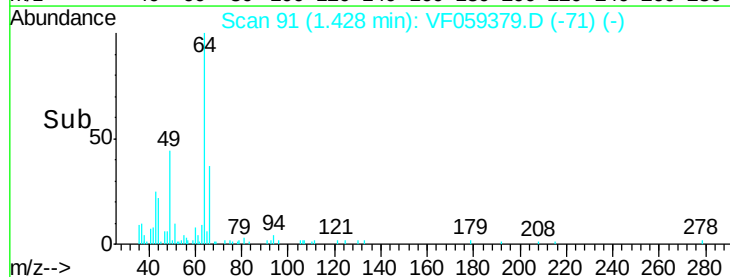
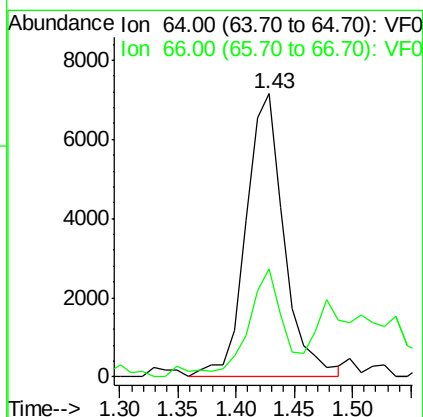
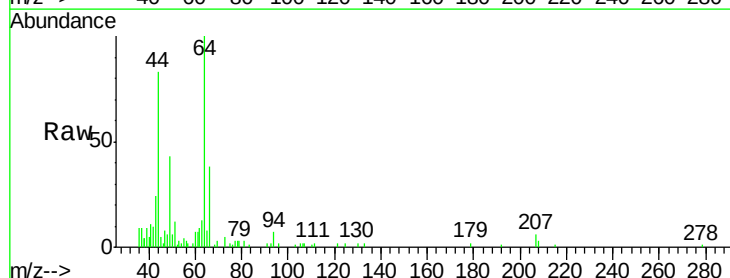
Acq: 29 Jun 2018 16:23

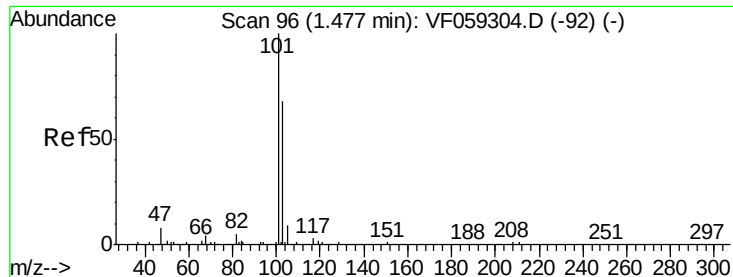
Tgt Ion: 64 Resp: 16218

Ion Ratio Lower Upper

64 100

66 38.1 23.9 35.9#





#7

Trichlorofluoromethane

Concen: 5.533 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

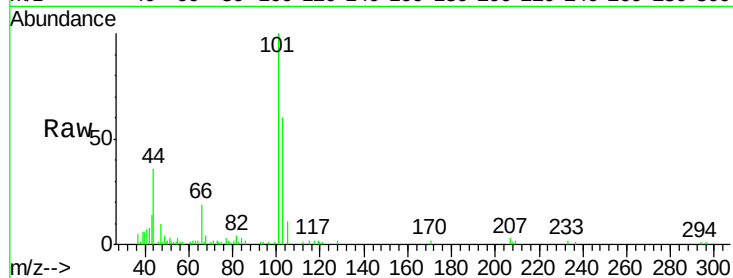
ClientSampleId :

Tot Ion:101 Resp: 18611

Ion Ratio Lower Upper

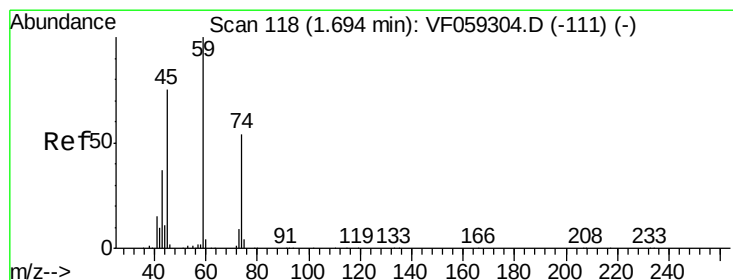
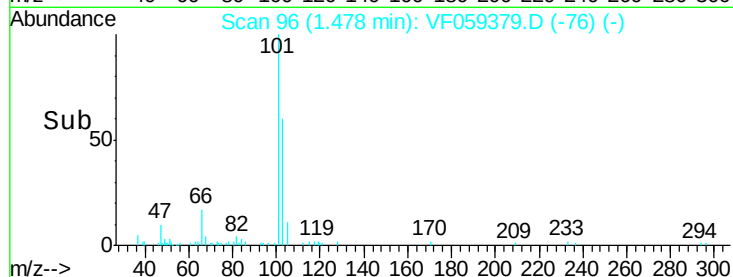
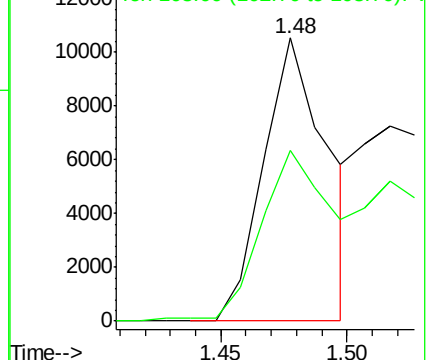
101 100

103 60.3 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.047 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059379.D

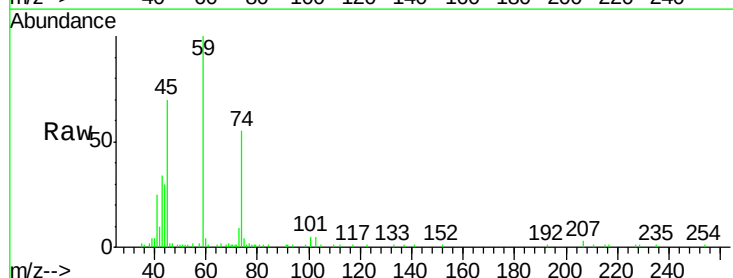
Acq: 29 Jun 2018 16:23

Tgt Ion: 74 Resp: 19014

Ion Ratio Lower Upper

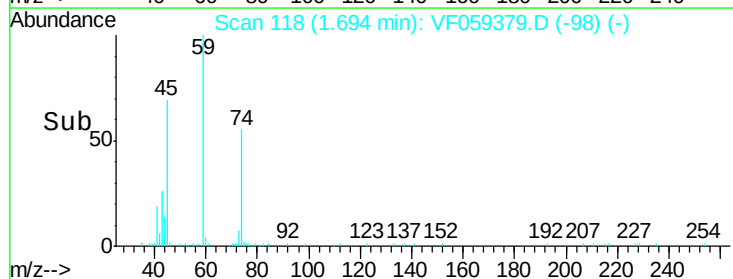
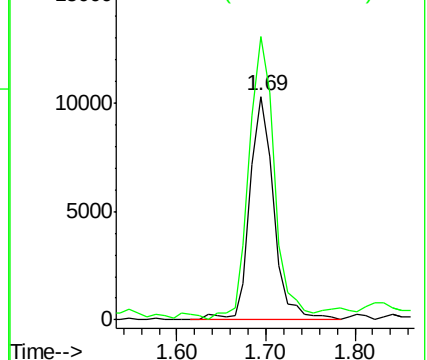
74 100

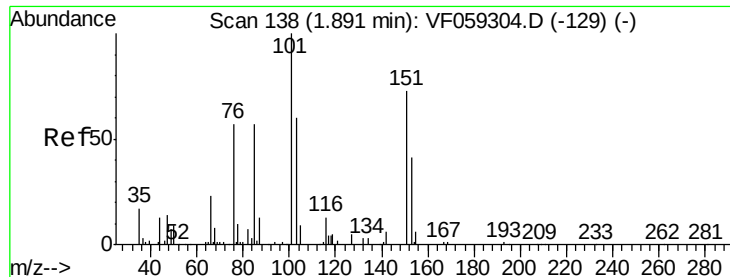
45 126.7 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.570 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

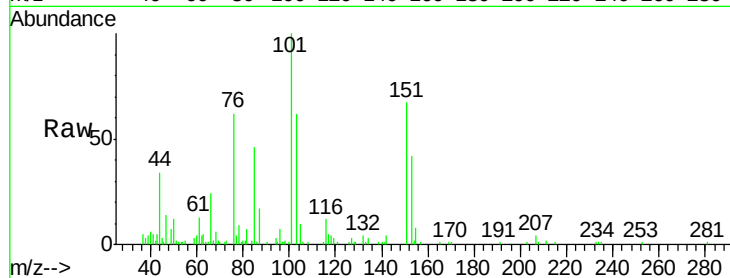
Tot Ion:101 Resp: 40385

Ion Ratio Lower Upper

101 100

85 45.8 44.5 66.7

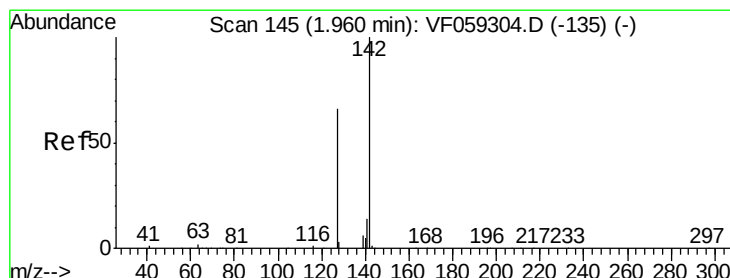
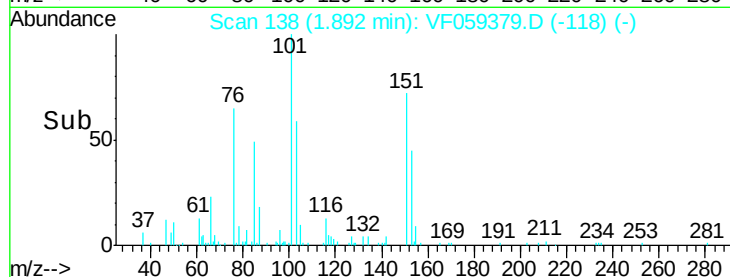
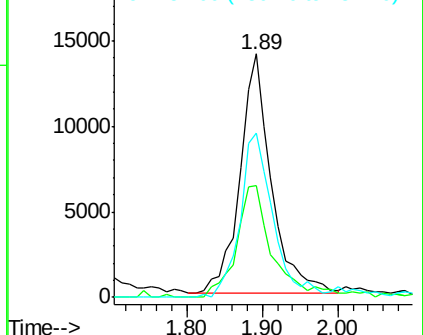
151 67.4 56.8 85.2



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: 19.955 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

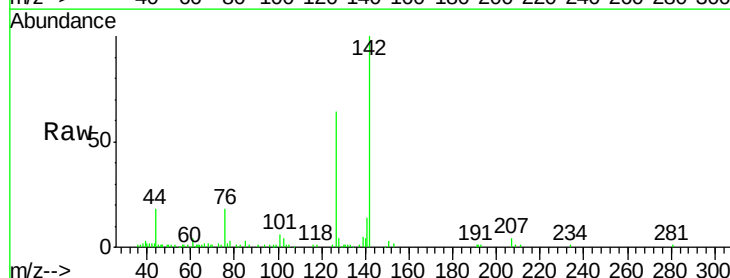
Tgt Ion:142 Resp: 71443

Ion Ratio Lower Upper

142 100

127 63.5 52.5 78.7

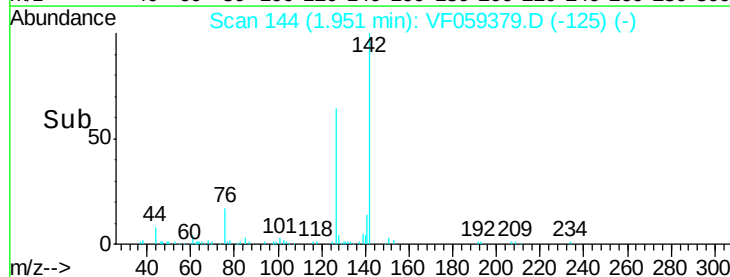
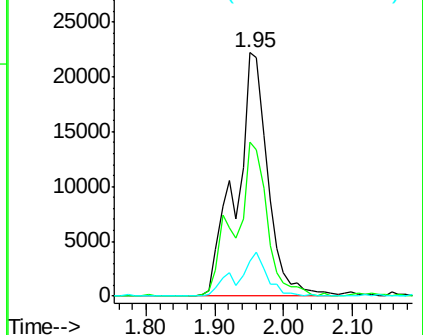
141 14.4 11.5 17.3

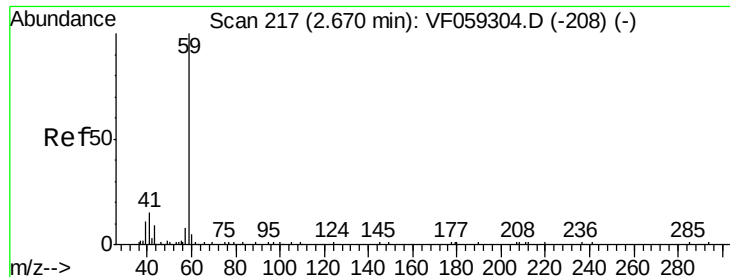


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



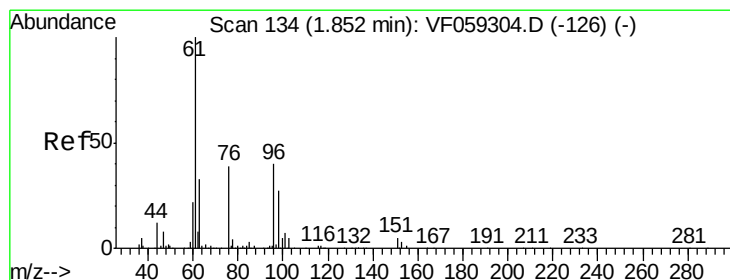
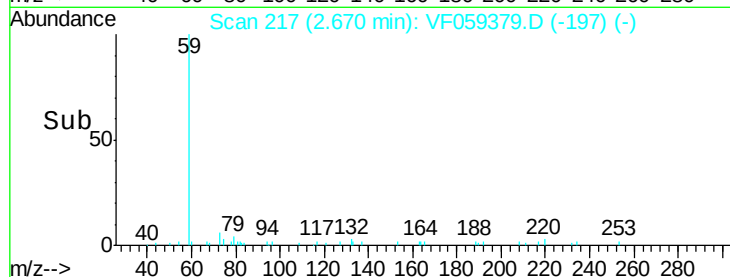
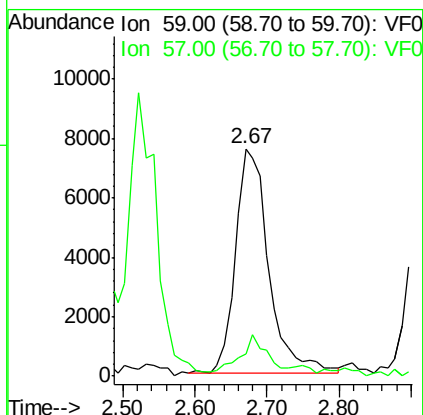
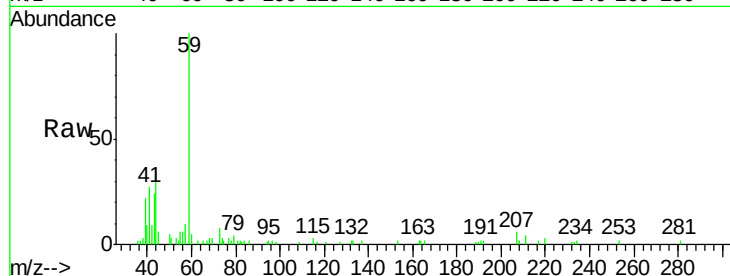


#11

Tert butyl alcohol
Concen: 100.789 ug/l
RT: 2.67 min Scan# 217
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampleId :

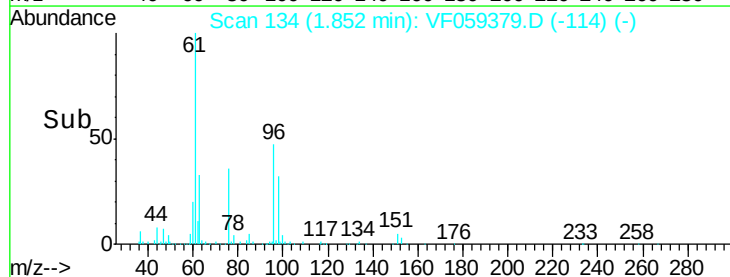
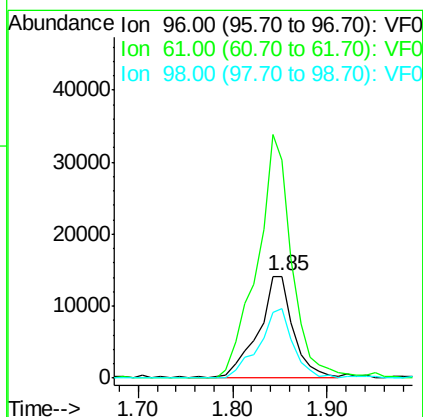
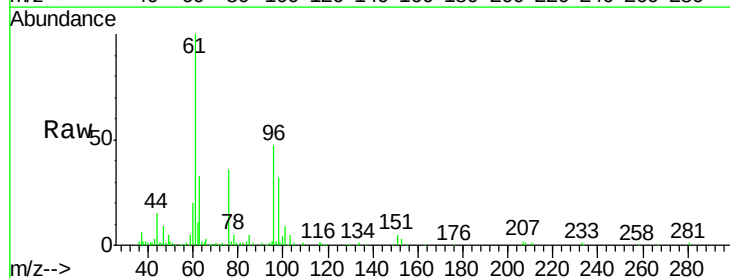
Tot Ion: 59 Resp: 24406
Ion Ratio Lower Upper
59 100
57 9.6 11.0 16.4#

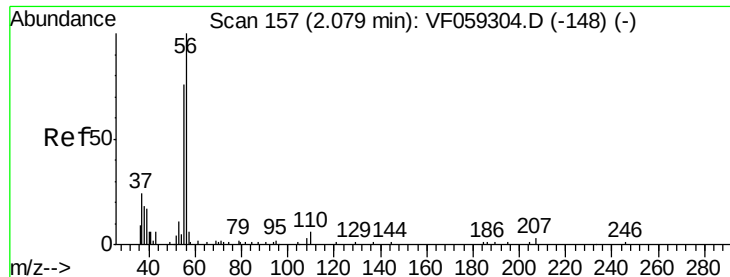


#12

1,1-Dichloroethene
Concen: 22.300 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion: 96 Resp: 37013
Ion Ratio Lower Upper
96 100
61 214.0 201.1 301.7
98 68.3 53.9 80.9

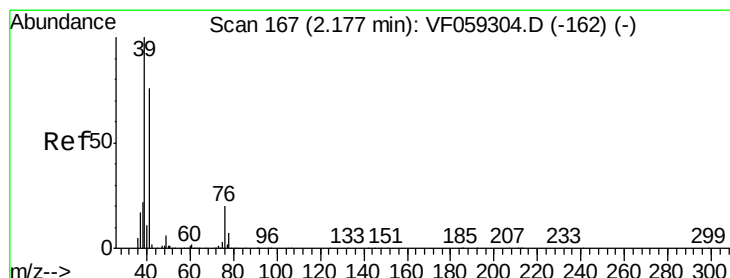
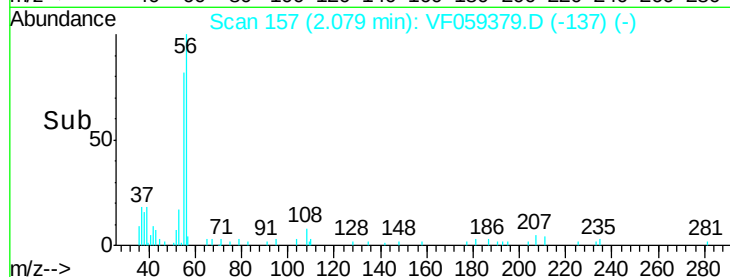
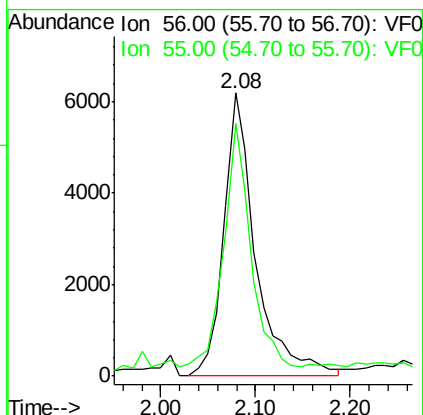
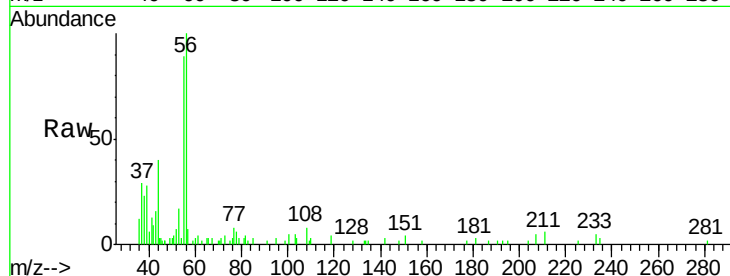




#13
Acrolein
Concen: 115.059 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

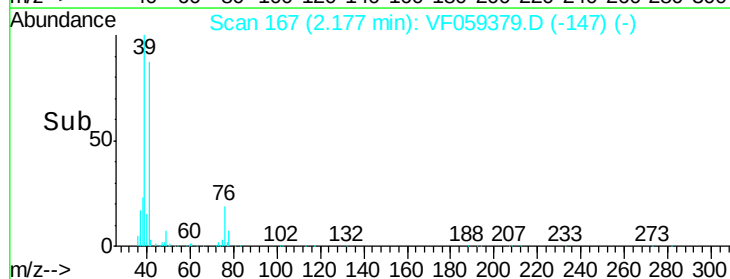
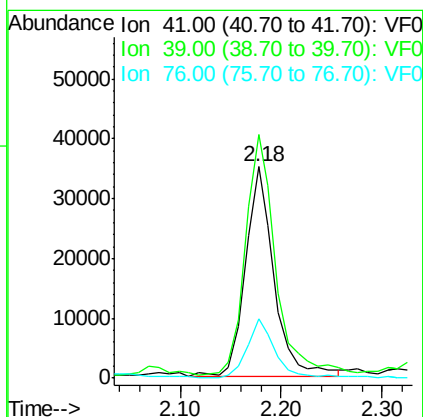
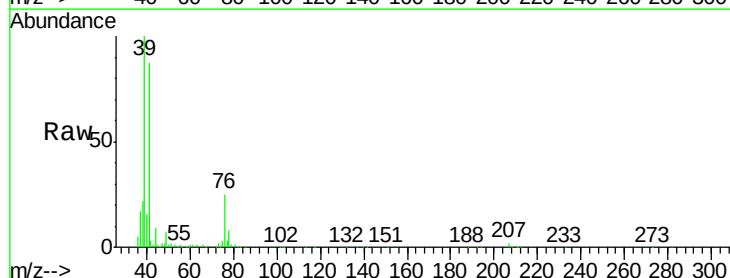
Instrument :
MSVOA_F
ClientSampleId :

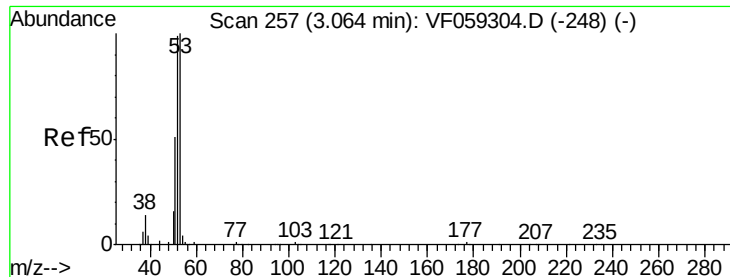
Tot Ion: 56 Resp: 14490
Ion Ratio Lower Upper
56 100
55 89.1 62.4 93.6



#14
Allyl chloride
Concen: 21.997 ug/l
RT: 2.18 min Scan# 167
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion: 41 Resp: 68535
Ion Ratio Lower Upper
41 100
39 115.1 105.6 158.4
76 28.3 21.6 32.4





#15

Acrylonitrile

Concen: 115.646 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampleId :

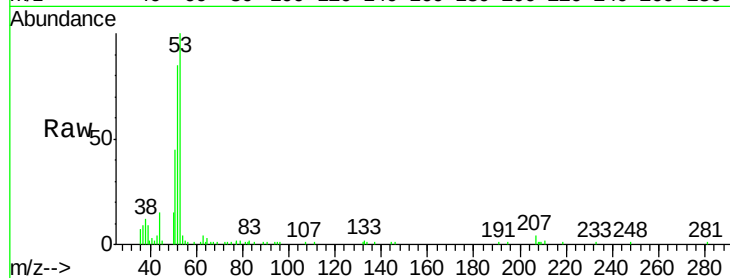
Tot Ion: 53 Resp: 49314

Ion Ratio Lower Upper

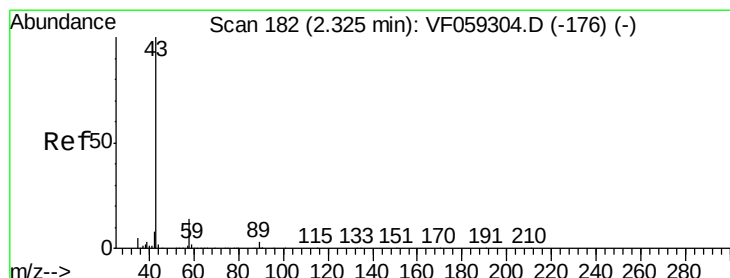
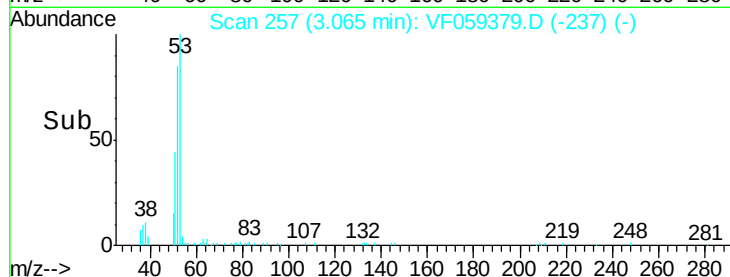
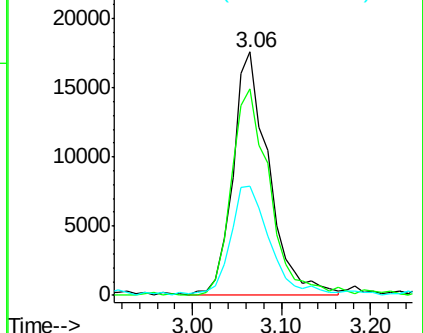
53 100

52 84.7 79.2 118.8

51 45.1 40.9 61.3



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: 113.355 ug/l

RT: 2.33 min Scan# 182

Delta R.T. 0.00 min

Lab File: VF059379.D

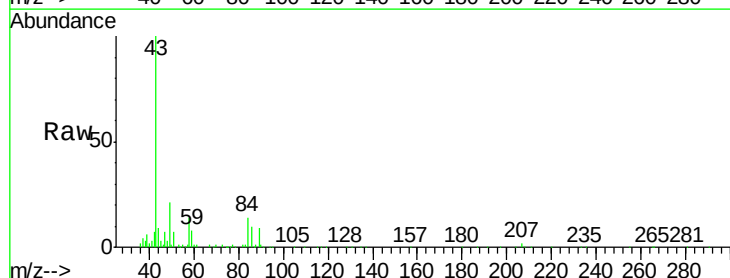
Acq: 29 Jun 2018 16:23

Tgt Ion: 43 Resp: 108037

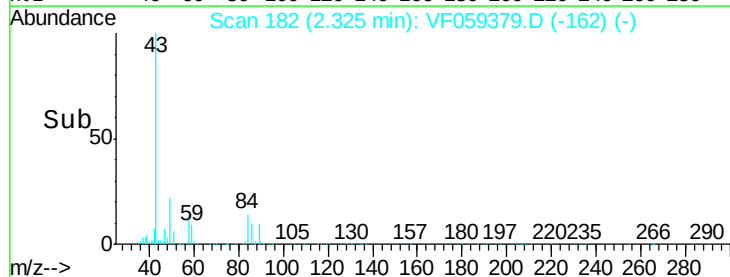
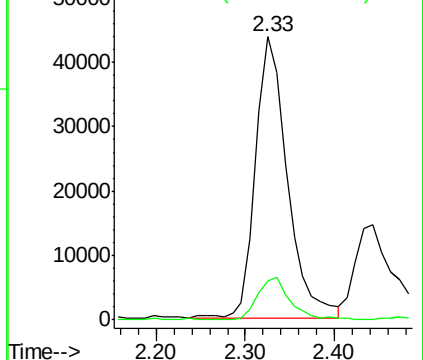
Ion Ratio Lower Upper

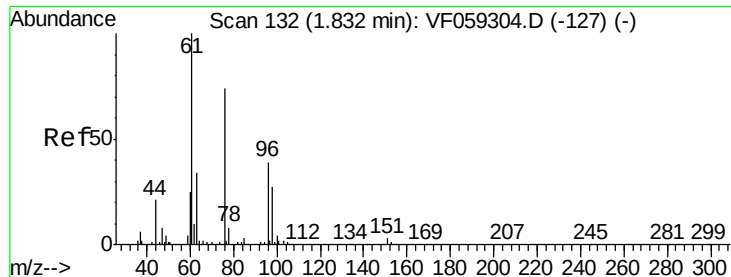
43 100

58 13.8 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 20.193 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

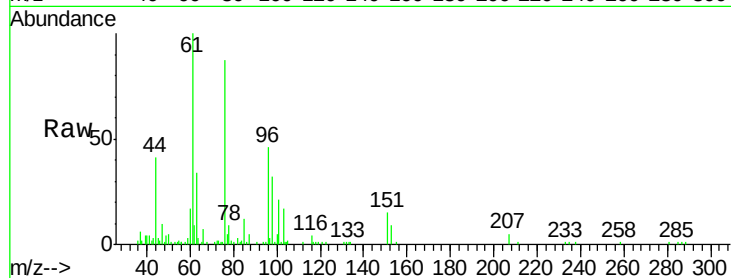
ClientSampleId :

Tot Ion: 76 Resp: 78838

Ion Ratio Lower Upper

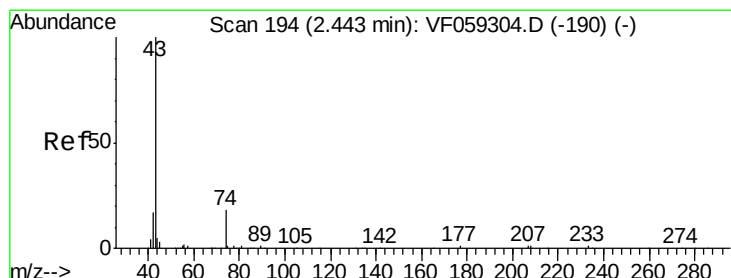
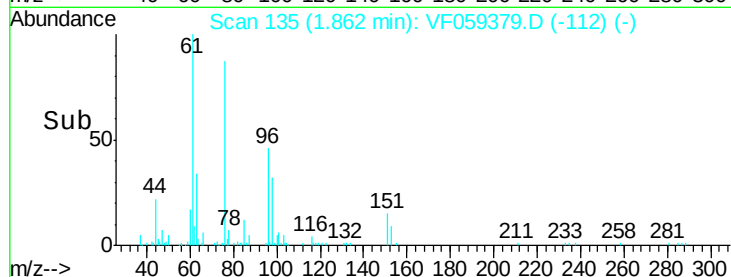
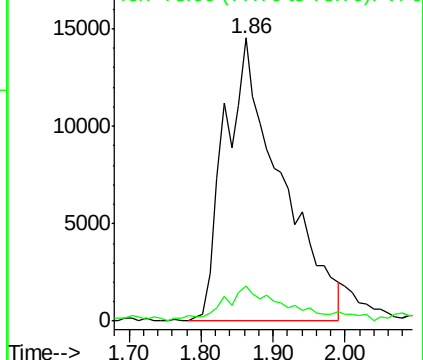
76 100

78 12.6 8.9 13.3



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 22.551 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059379.D

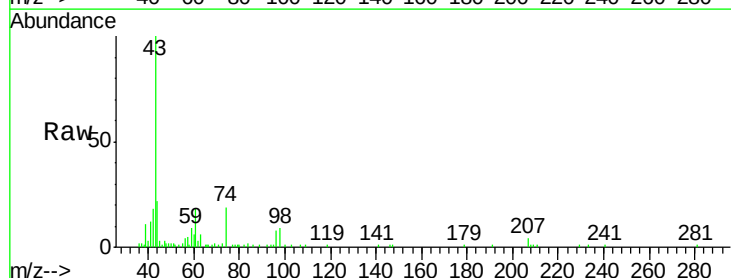
Acq: 29 Jun 2018 16:23

Tgt Ion: 43 Resp: 38071

Ion Ratio Lower Upper

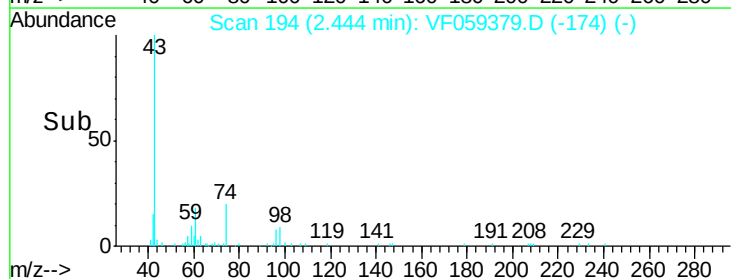
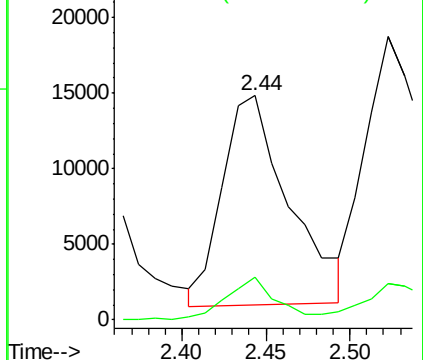
43 100

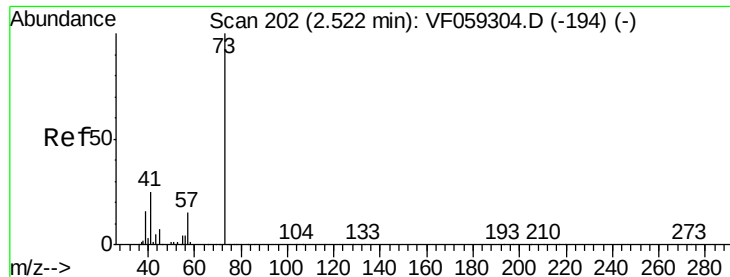
74 18.8 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



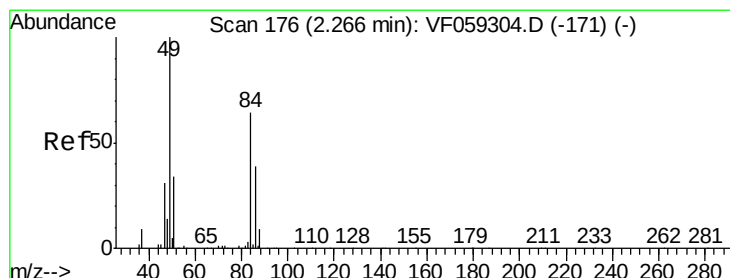
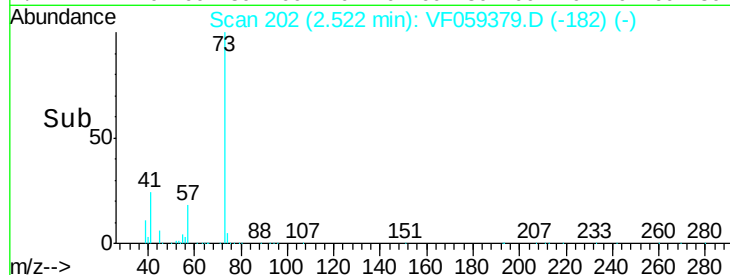
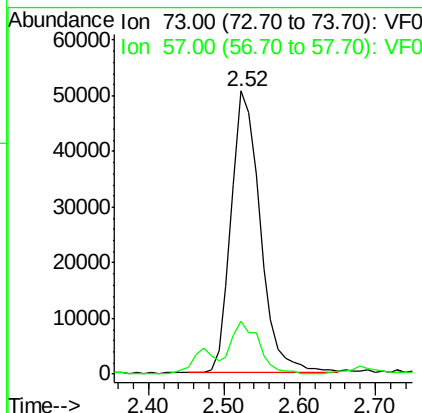
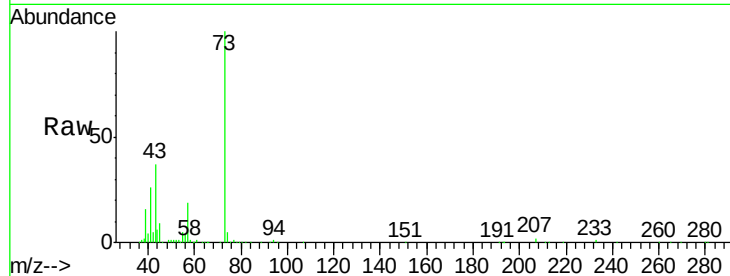


#19

Methyl tert-butyl Ether
 Concen: 21.749 ug/l
 RT: 2.52 min Scan# 202
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Instrument :
 MSVOA_F
 ClientSampleID :

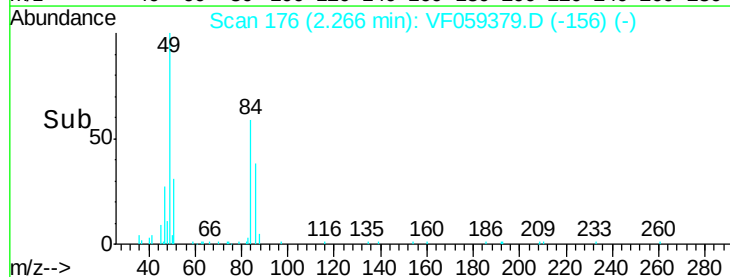
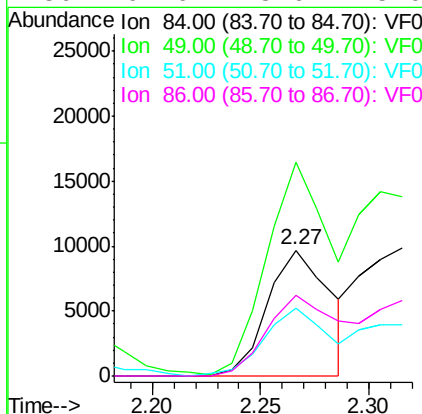
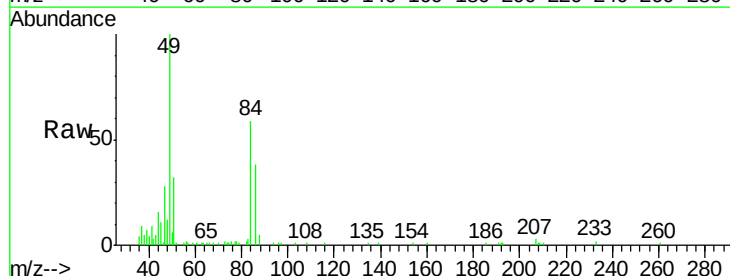
Tot Ion: 73 Resp: 134651
 Ion Ratio Lower Upper
 73 100
 57 18.7 12.3 18.5#

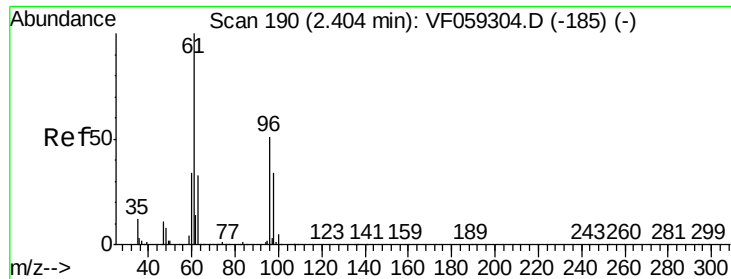


#20

Methylene Chloride
 Concen: 2.562 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Tgt Ion: 84 Resp: 19526
 Ion Ratio Lower Upper
 84 100
 49 170.0 126.5 189.7
 51 54.2 42.9 64.3
 86 64.6 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 20.502 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

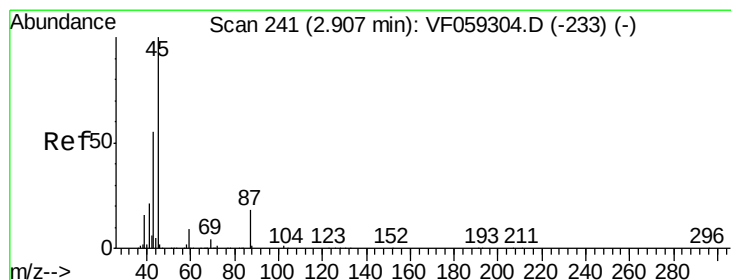
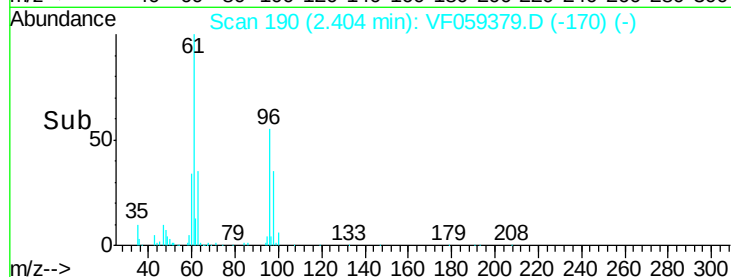
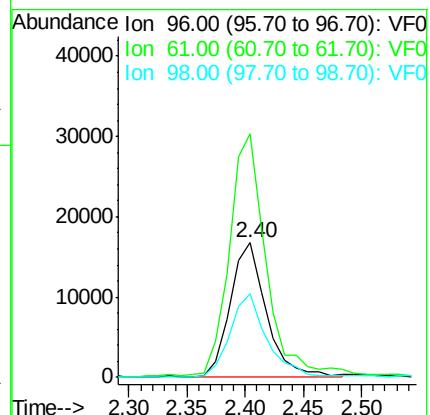
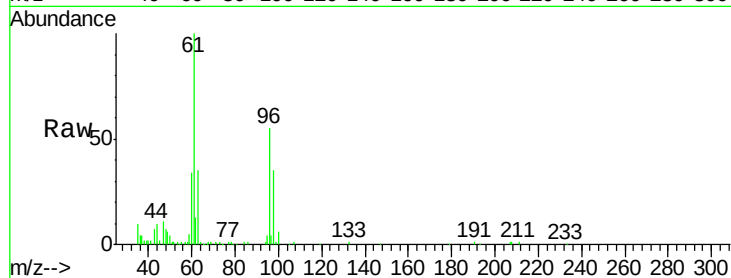
Tot Ion: 96 Resp: 36300

Ion Ratio Lower Upper

96 100

61 181.2 157.4 236.2

98 62.7 53.7 80.5



#22

Diisopropyl ether

Concen: 22.508 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Tgt Ion: 45 Resp: 155292

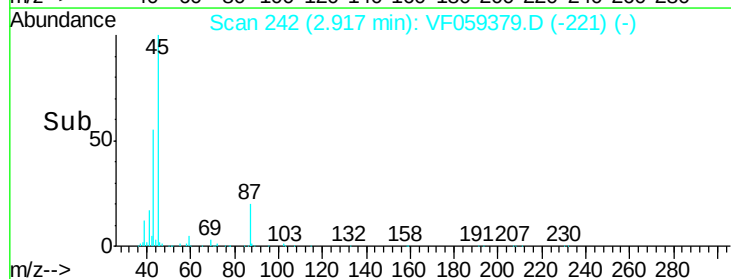
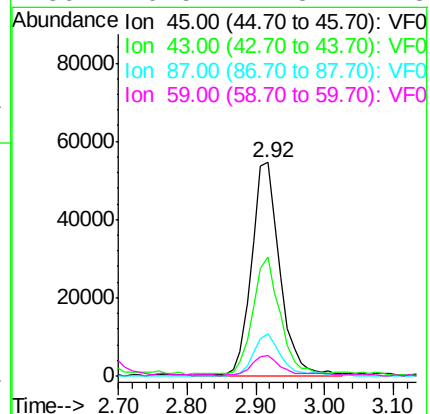
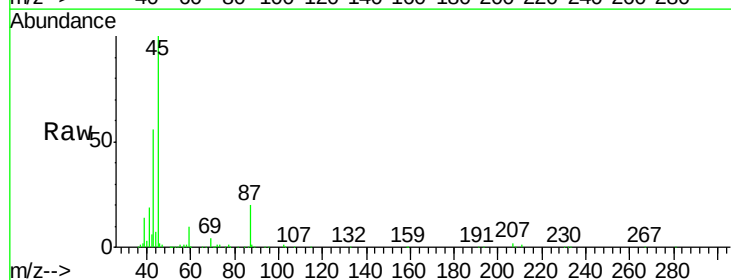
Ion Ratio Lower Upper

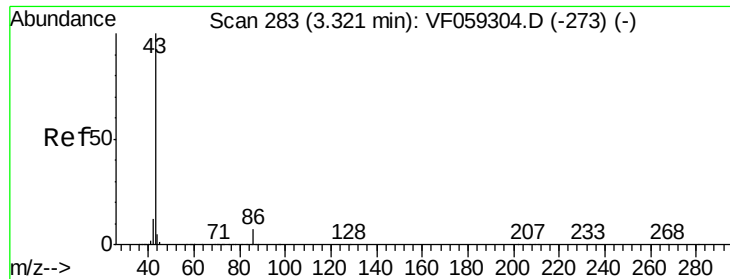
45 100

43 56.0 44.6 66.8

87 19.8 14.3 21.5

59 9.5 7.5 11.3





#23

Vinyl Acetate

Concen: 115.966 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

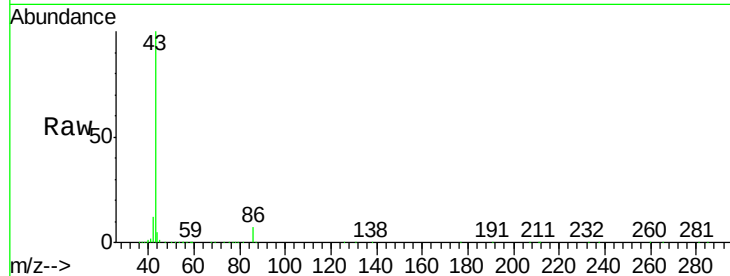
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 509555

Ion Ratio Lower Upper

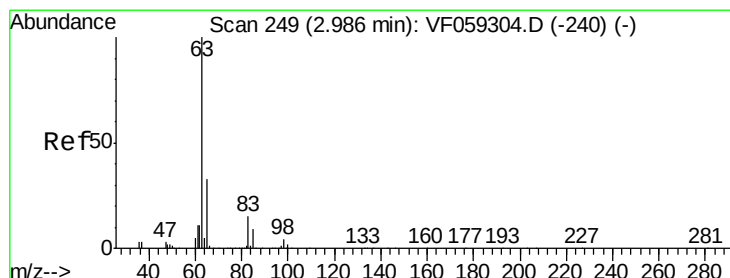
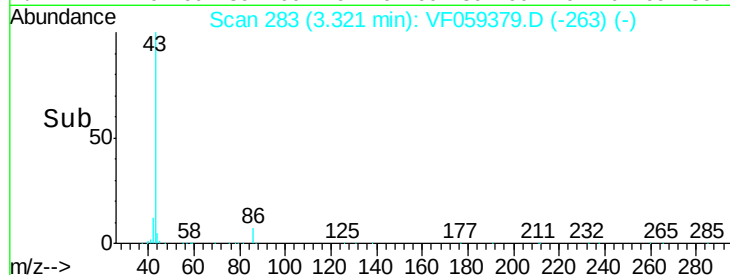
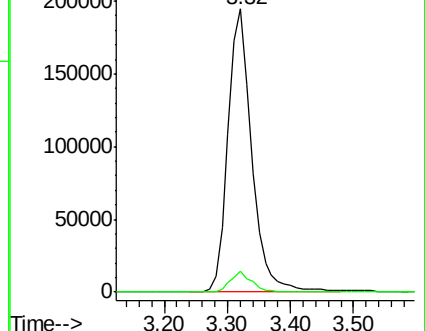
43 100

86 7.3 5.8 8.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.632 ug/l

RT: 2.99 min Scan# 249

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

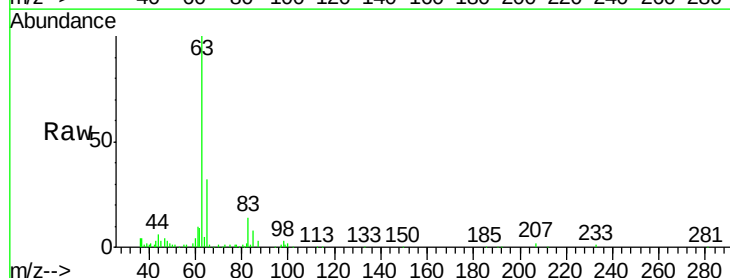
Tgt Ion: 63 Resp: 96812

Ion Ratio Lower Upper

63 100

98 3.3 2.0 6.0

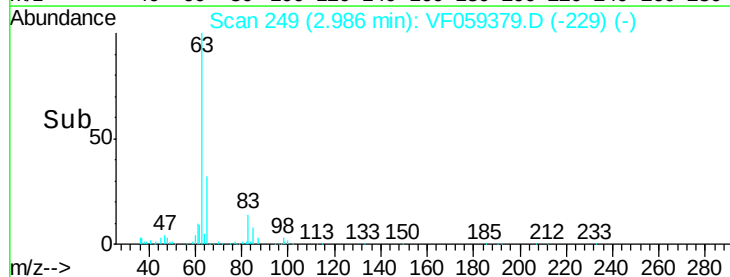
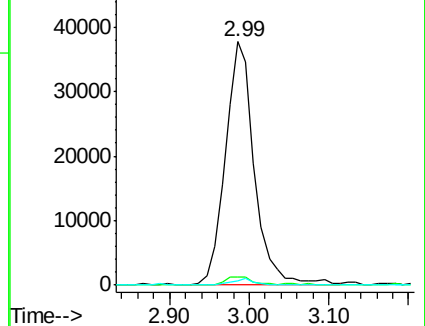
100 1.8 1.3 3.9

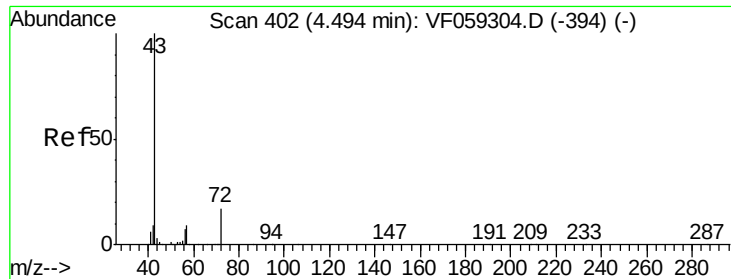


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 124.315 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

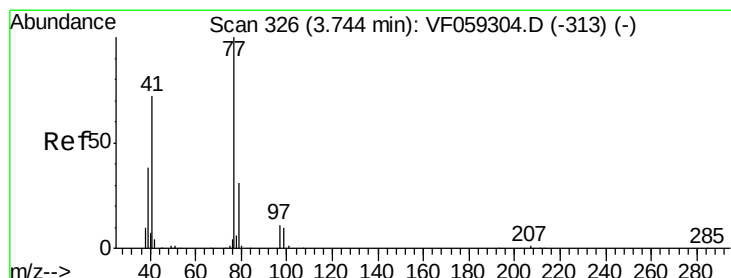
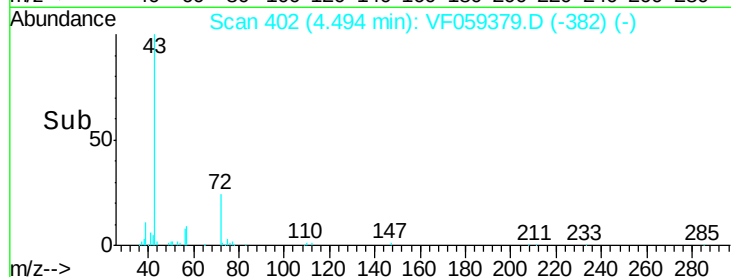
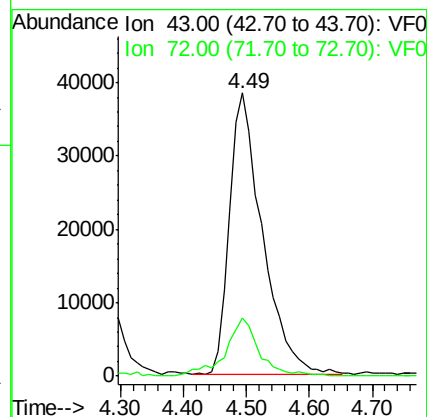
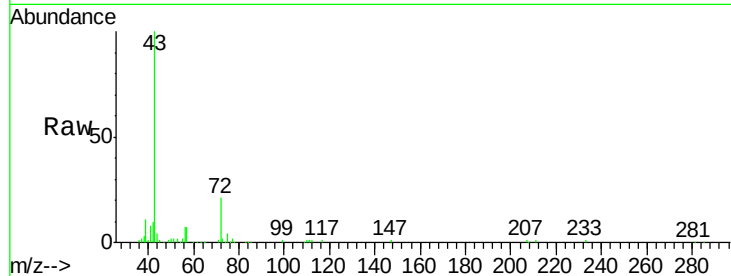
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 138306

Ion Ratio Lower Upper

43 100

72 20.6 14.4 21.6



#26

2,2-Dichloropropane

Concen: 21.010 ug/l

RT: 3.74 min Scan# 326

Delta R.T. 0.00 min

Lab File: VF059379.D

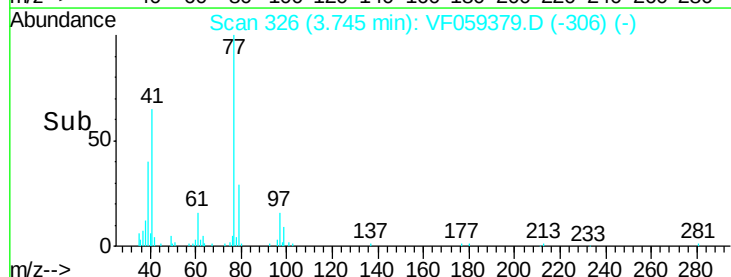
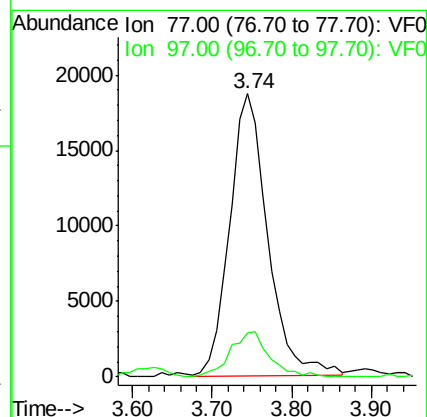
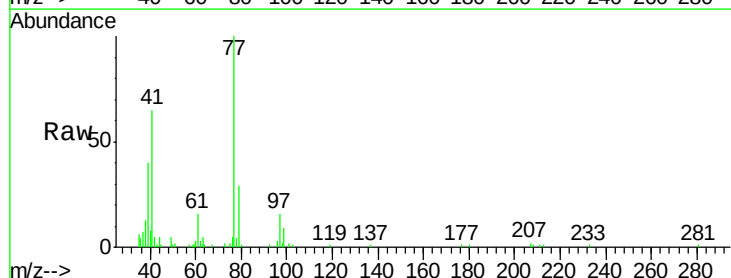
Acq: 29 Jun 2018 16:23

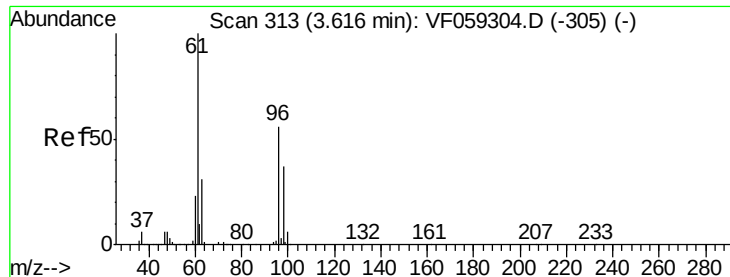
Tgt Ion: 77 Resp: 61990

Ion Ratio Lower Upper

77 100

97 15.7 8.0 23.8



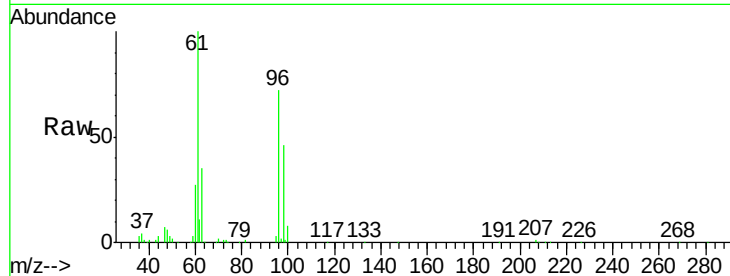


#27

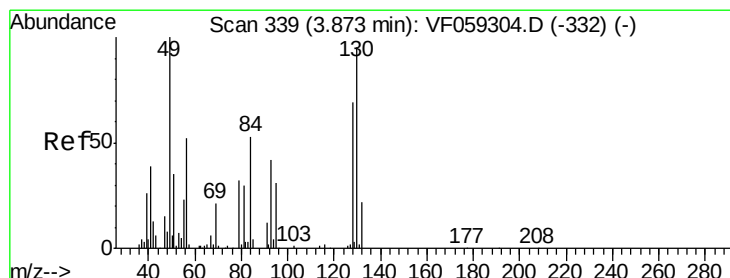
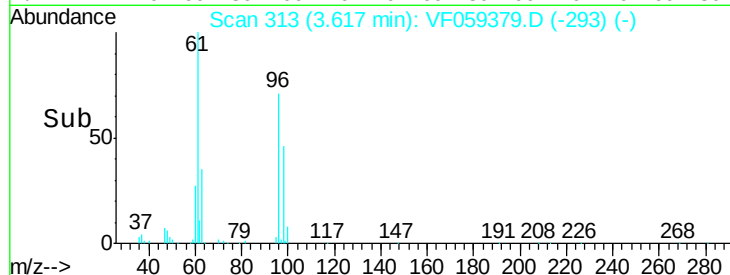
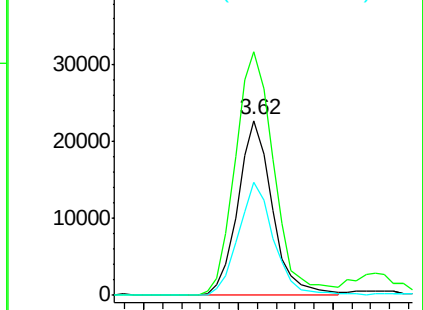
cis-1,2-Dichloroethene
Concen: 21.509 ug/l
RT: 3.62 min Scan# 313
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	355.4
98	64.3	0.0	131.0



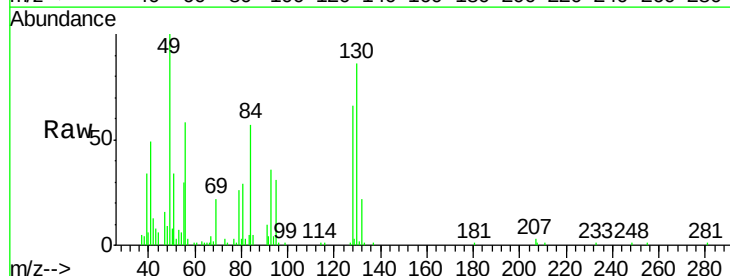
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



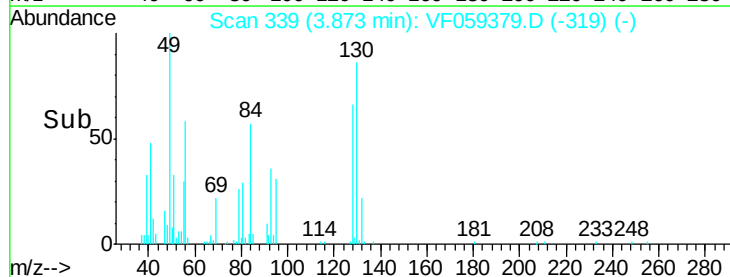
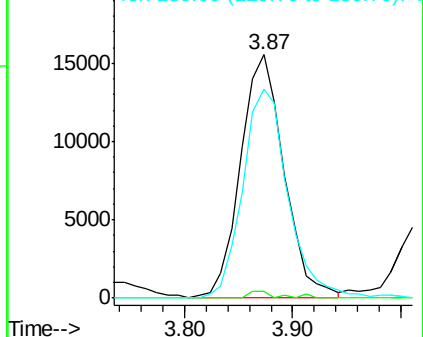
#28

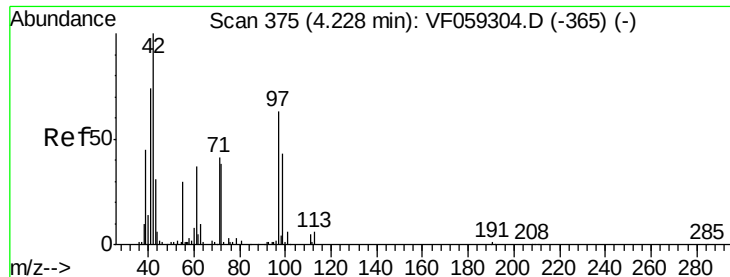
Bromochloromethane
Concen: 24.376 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.4
130	85.8	75.1	112.7



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

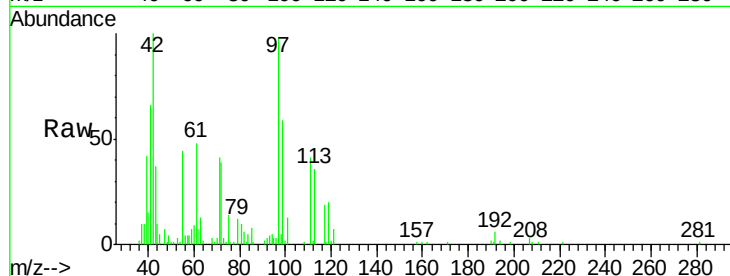




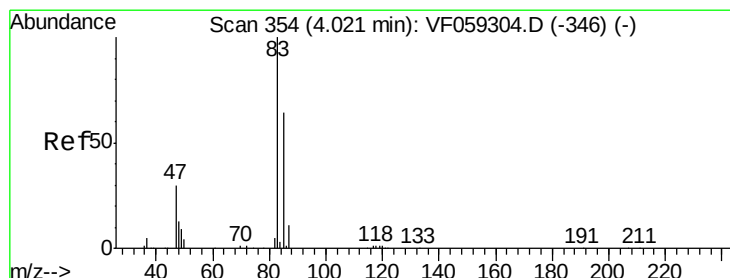
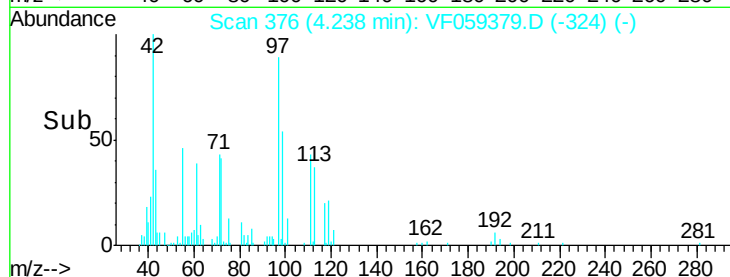
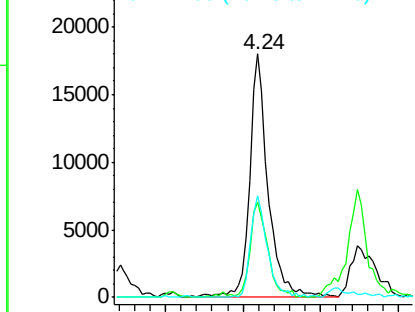
#29
Tetrahydrofuran
Concen: 122.236 ug/l
RT: 4.24 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 42 Resp: 59304
Ion Ratio Lower Upper
42 100
72 37.1 30.5 45.7
71 37.9 32.5 48.7

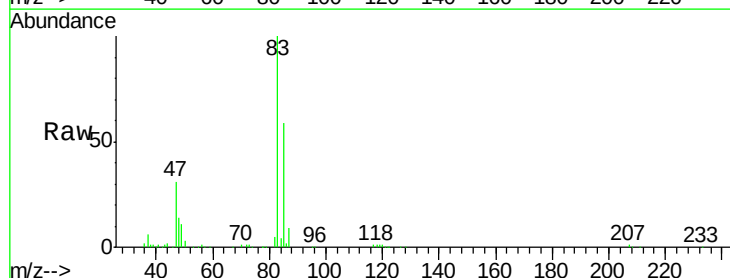


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

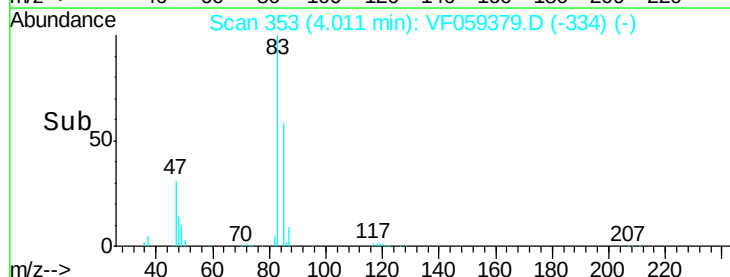
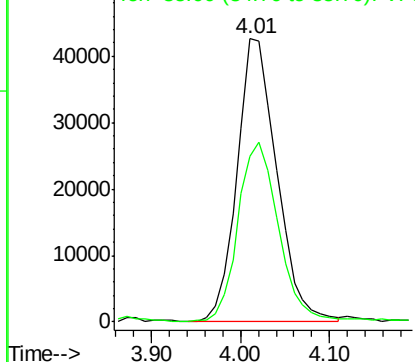


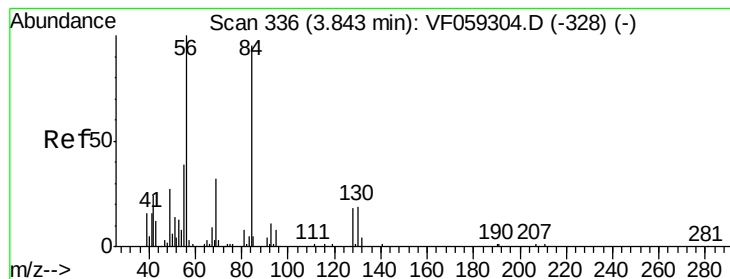
#30
Chloroform
Concen: 21.336 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion: 83 Resp: 132129
Ion Ratio Lower Upper
83 100
85 58.6 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.537 ug/l

RT: 3.84 min Scan# 336

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampleId :

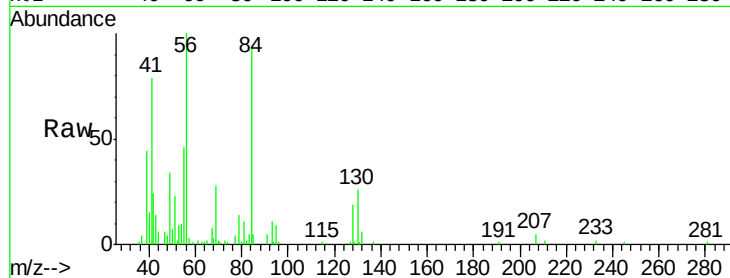
Tot Ion: 56 Resp: 60354

Ion Ratio Lower Upper

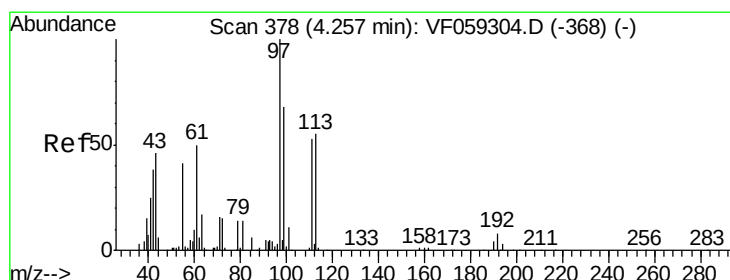
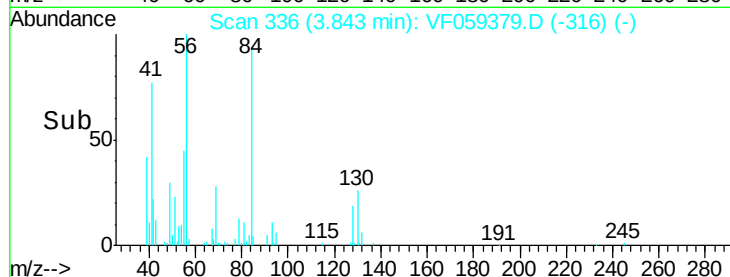
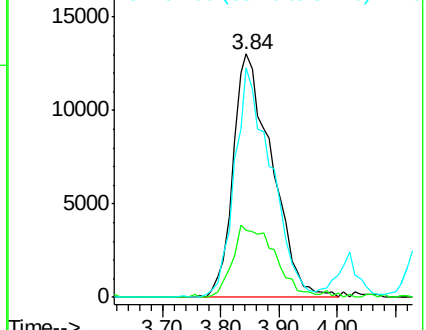
56 100

69 27.7 25.8 38.8

84 94.1 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.011 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

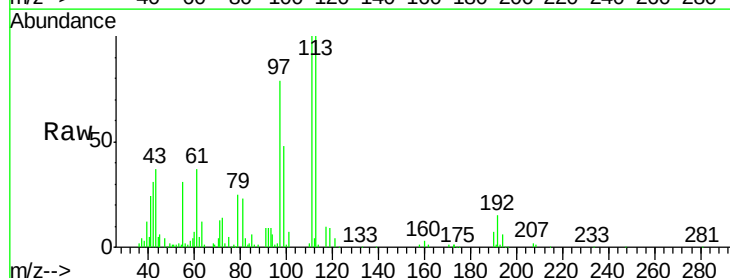
Tgt Ion: 97 Resp: 95218

Ion Ratio Lower Upper

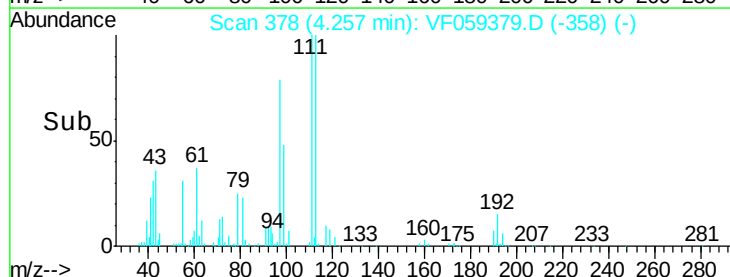
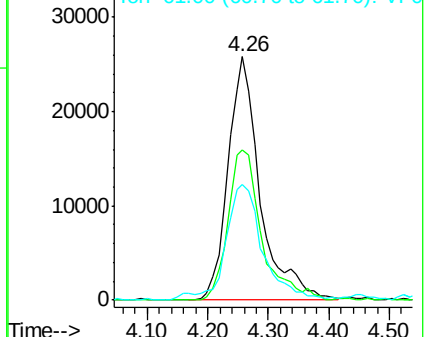
97 100

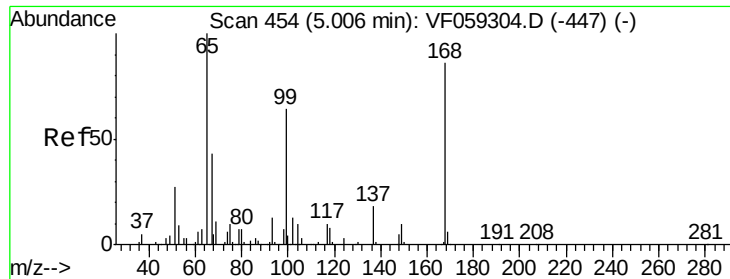
99 61.6 54.1 81.1

61 47.4 41.2 61.8



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0

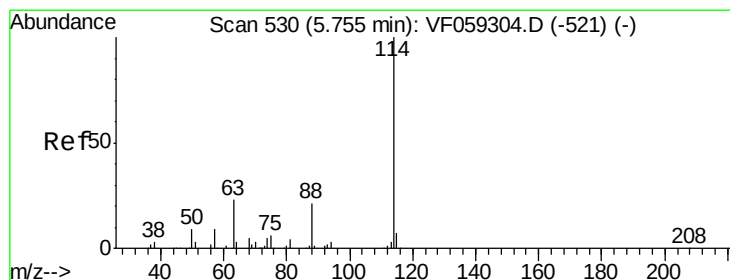
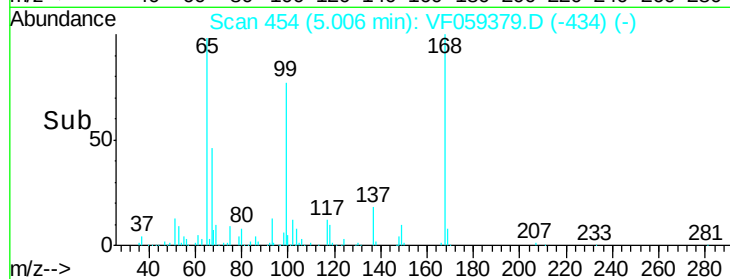
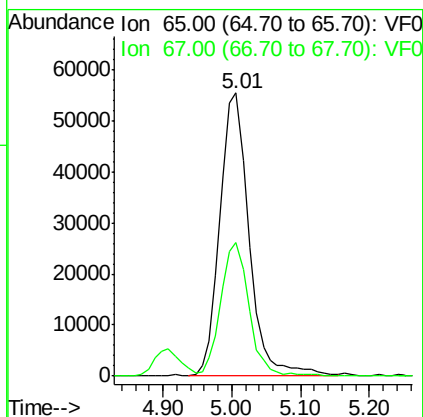
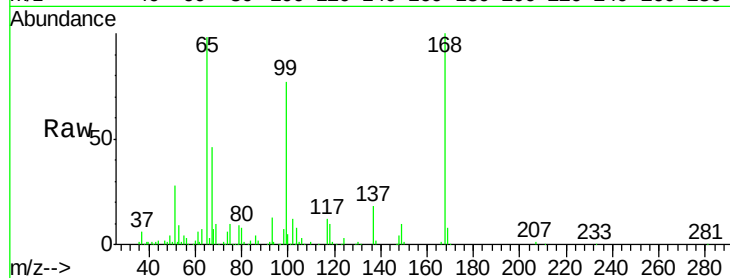




#33
 1,2-Dichloroethane-d4
 Concen: 45.124 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

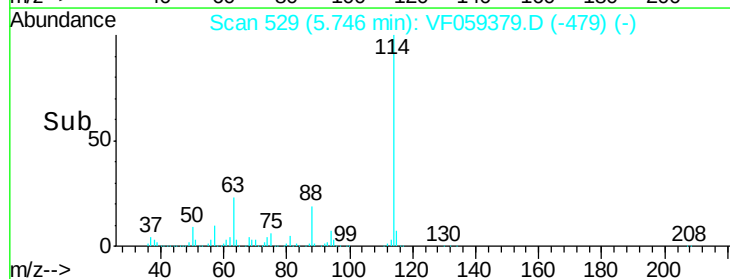
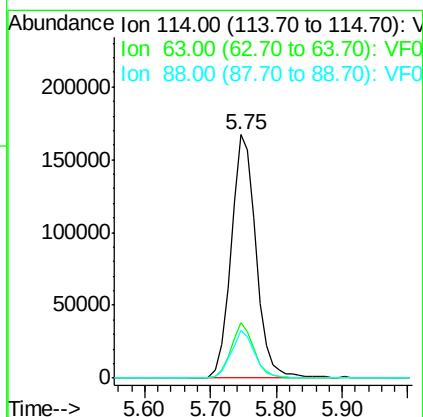
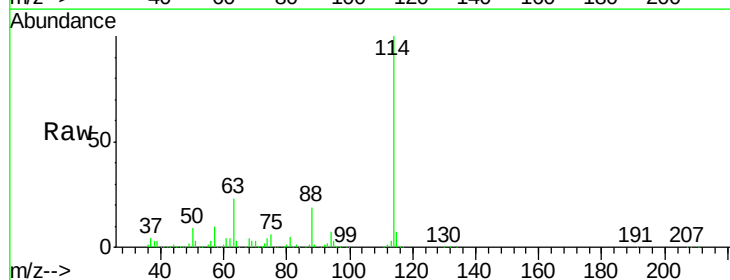
Instrument :
 MSVOA_F
 ClientSampleId :

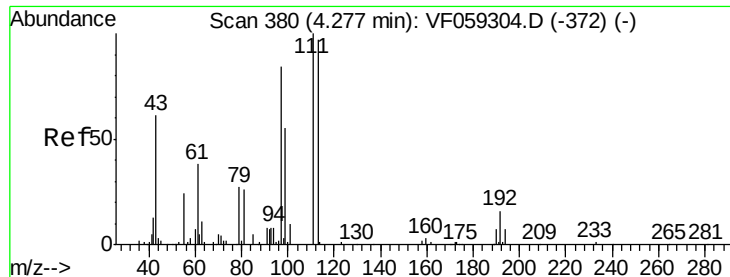
Tot Ion: 65 Resp: 164130
 Ion Ratio Lower Upper
 65 100
 67 47.1 0.0 96.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Tgt Ion: 114 Resp: 442415
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.8
 88 19.4 0.0 41.2

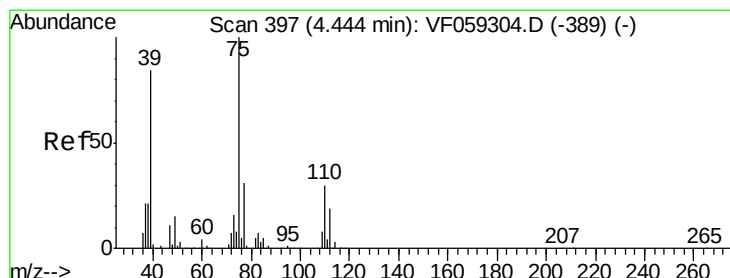
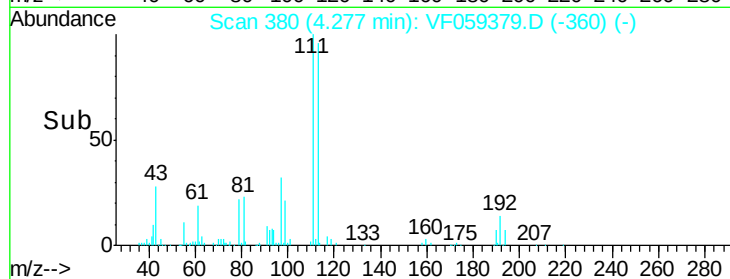
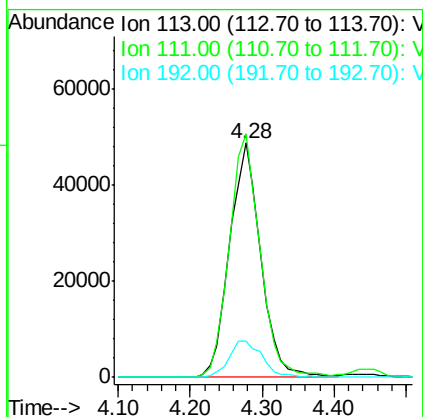
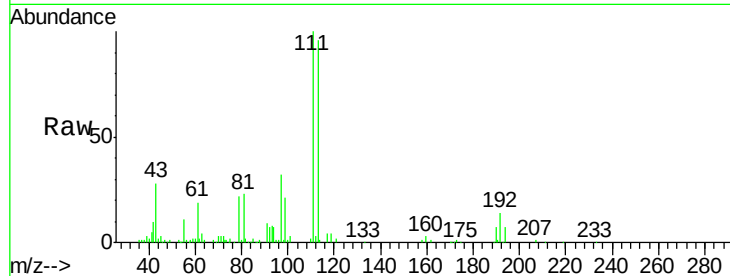




#35
 Dibromofluoromethane
 Concen: 45.546 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

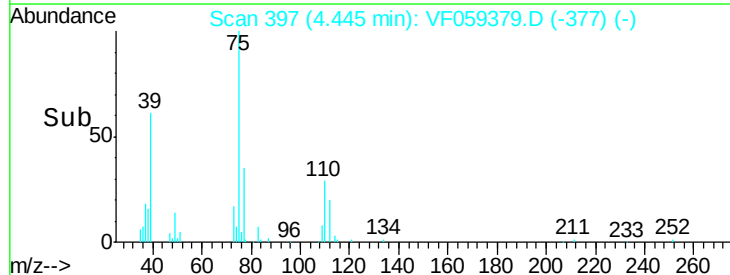
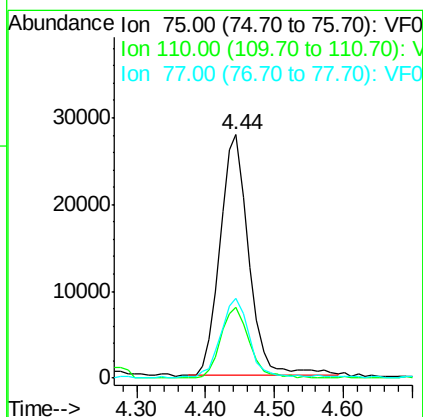
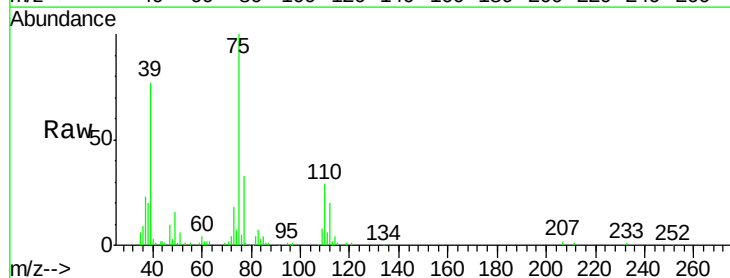
Instrument :
 MSVOA_F
 ClientSampleId :

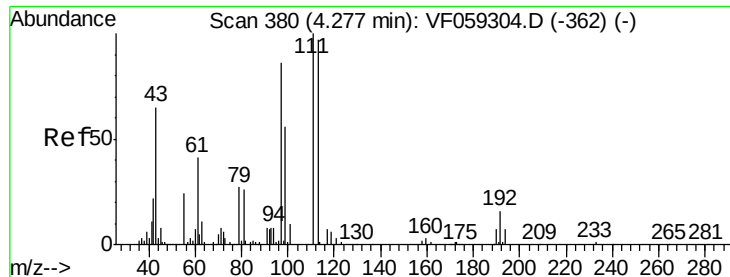
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.1	123.1
192	15.4	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 20.889 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.1	14.8	44.4
77	33.0	25.2	37.8





#37

Ethyl Acetate

Concen: 24.064 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampled :

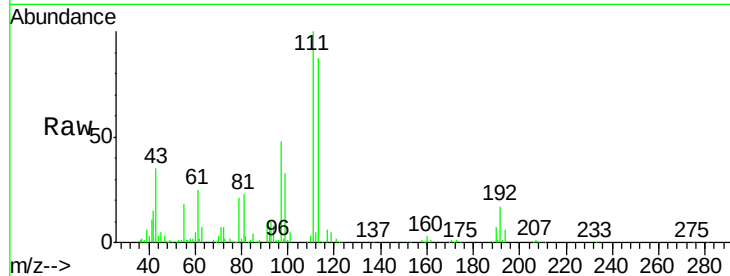
Tot Ion: 43 Resp: 61393

Ion Ratio Lower Upper

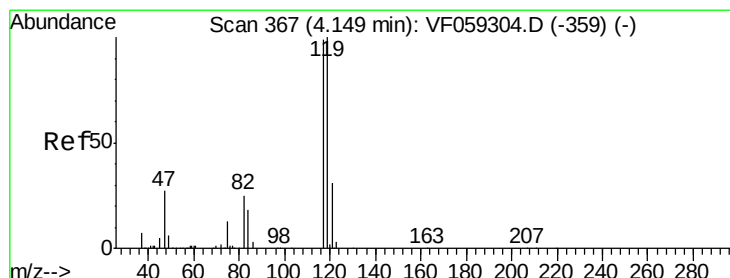
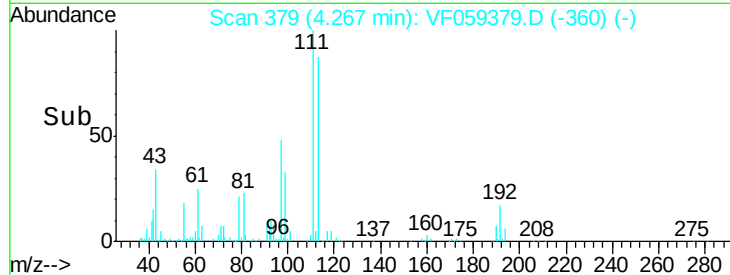
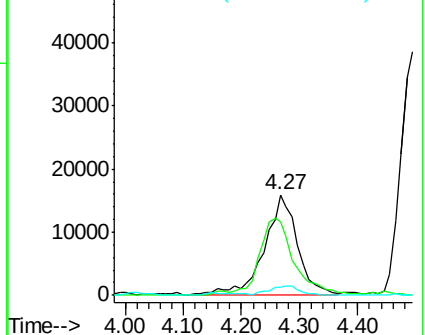
43 100

61 73.2 50.1 75.1

70 8.2 6.2 9.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 22.821 ug/l

RT: 4.15 min Scan# 367

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

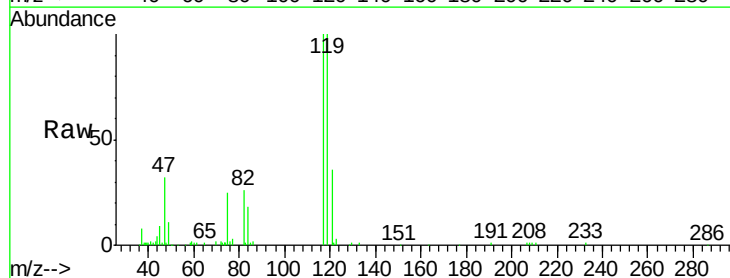
Tgt Ion: 117 Resp: 111307

Ion Ratio Lower Upper

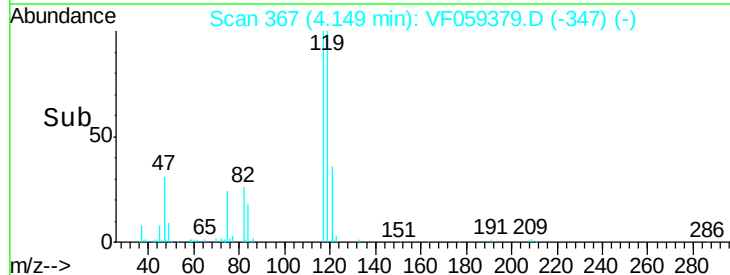
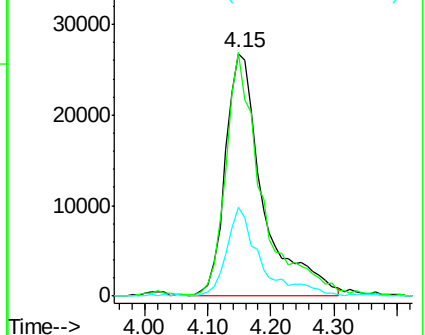
117 100

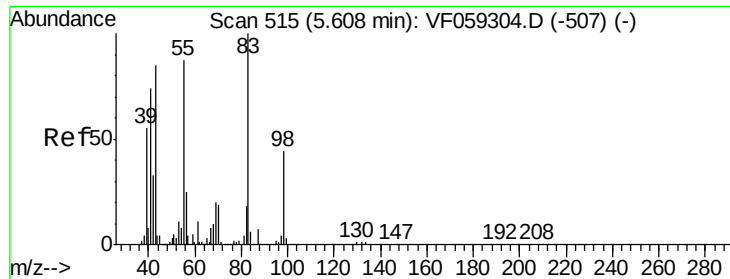
119 100.3 81.0 121.4

121 36.3 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

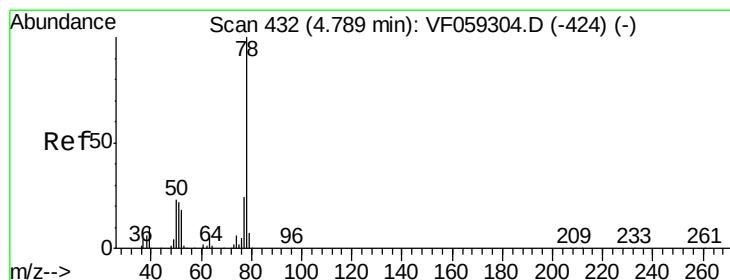
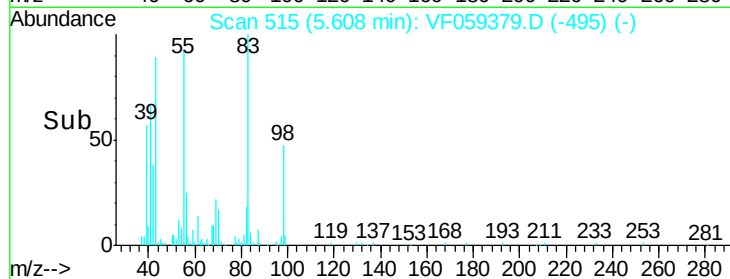
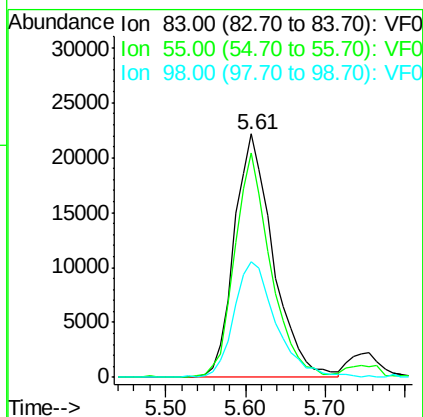
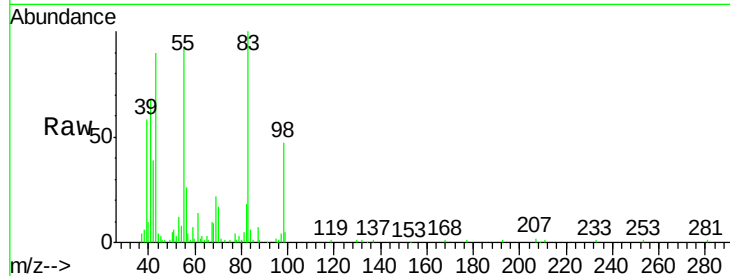




#39
Methylvlcyclohexane
Concen: 21.940 ug/l
RT: 5.61 min Scan# 515
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

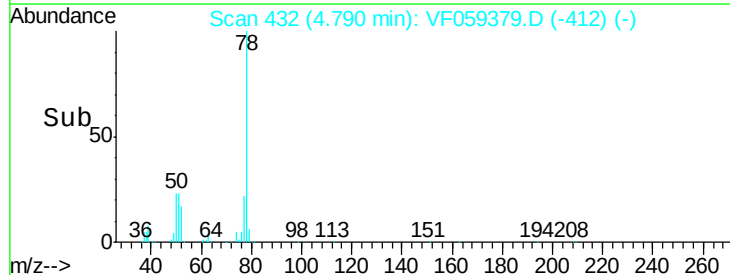
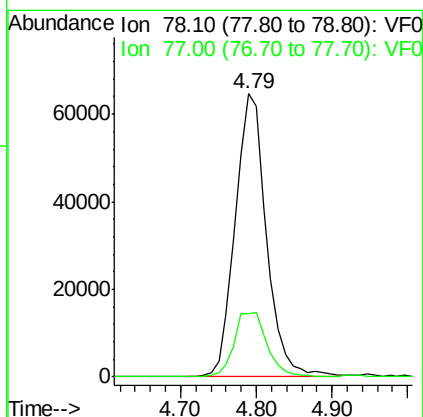
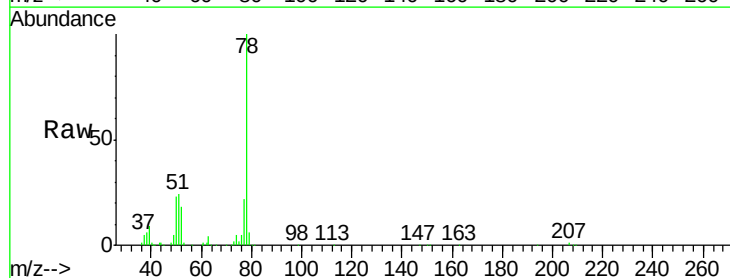
Instrument :
MSVOA_F
ClientSampleId :

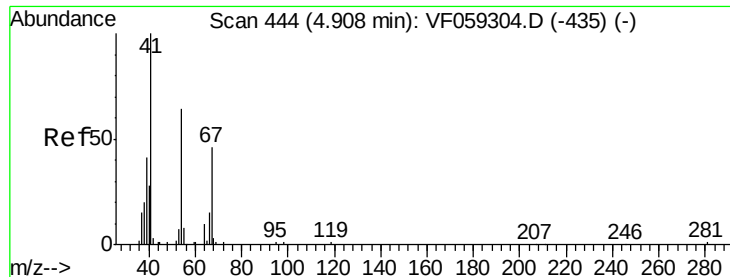
Tot Ion: 83 Resp: 75141
Ion Ratio Lower Upper
83 100
55 92.3 69.2 103.8
98 47.5 35.0 52.6



#40
Benzene
Concen: 21.521 ug/l
RT: 4.79 min Scan# 432
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion: 78 Resp: 184416
Ion Ratio Lower Upper
78 100
77 22.4 19.6 29.4





#41

Methacrylonitrile

Concen: 21.849 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 28805

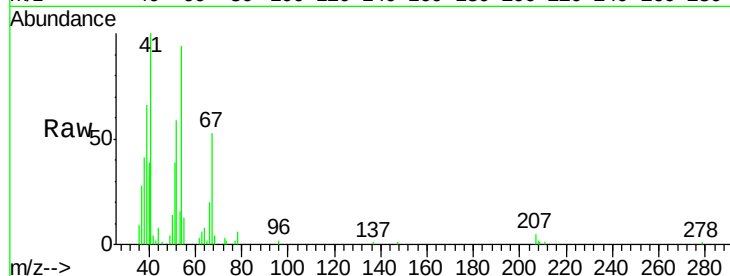
Ion Ratio Lower Upper

41 100

39 66.2 50.0 75.0

67 53.2 37.0 55.6

52 58.9 37.1 55.7#

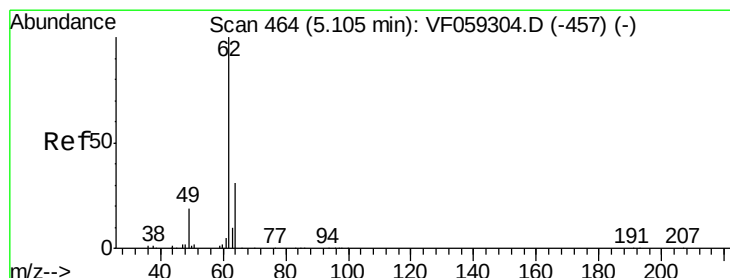
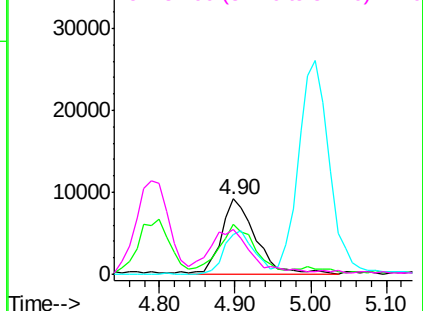
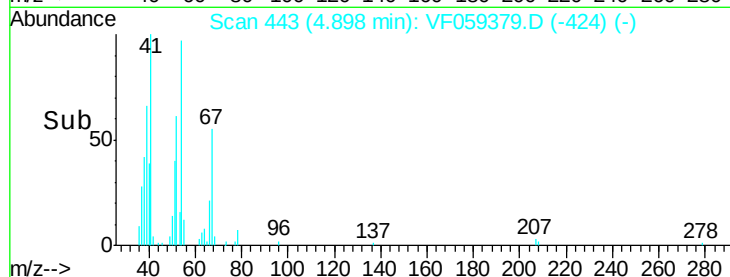


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 20.938 ug/l

RT: 5.10 min Scan# 464

Delta R.T. 0.00 min

Lab File: VF059379.D

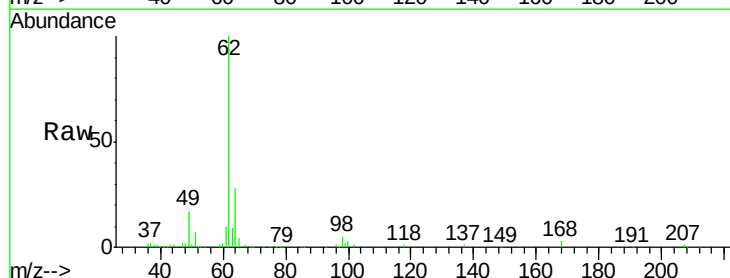
Acq: 29 Jun 2018 16:23

Tgt Ion: 62 Resp: 104844

Ion Ratio Lower Upper

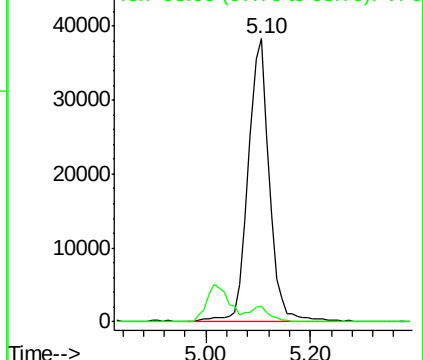
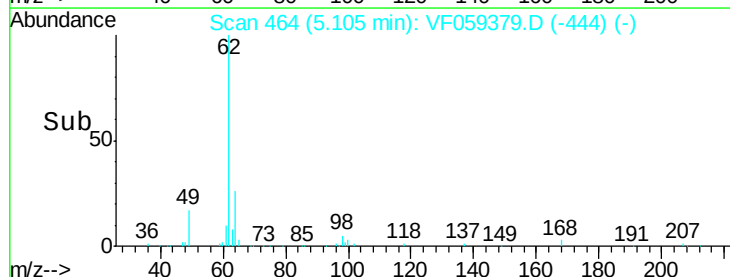
62 100

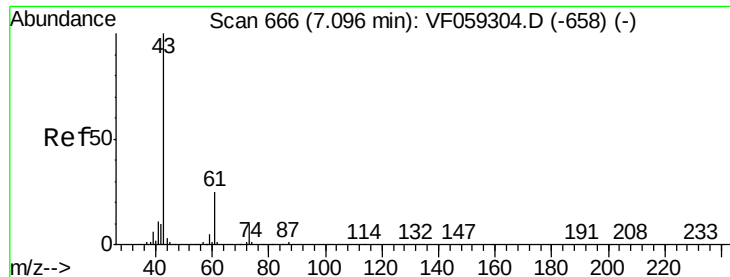
98 5.4 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 22.785 ug/l

RT: 7.10 min Scan# 666

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

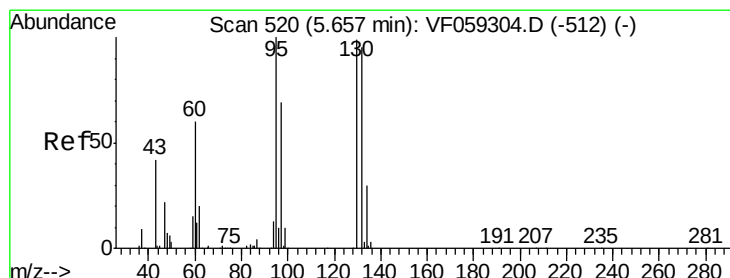
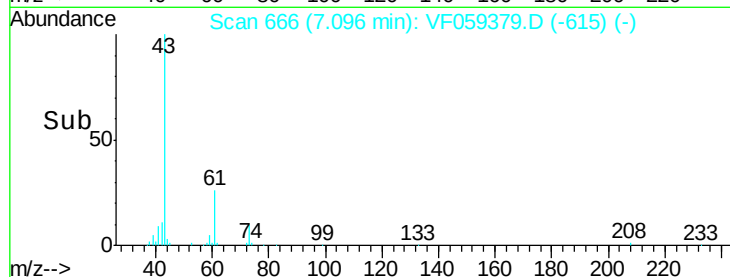
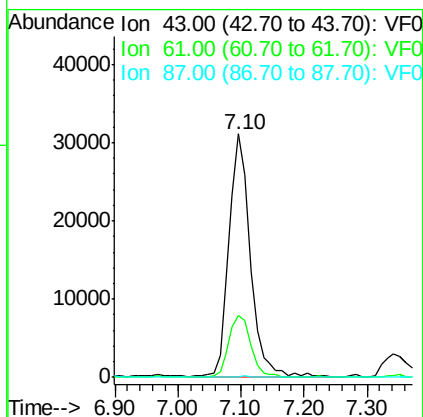
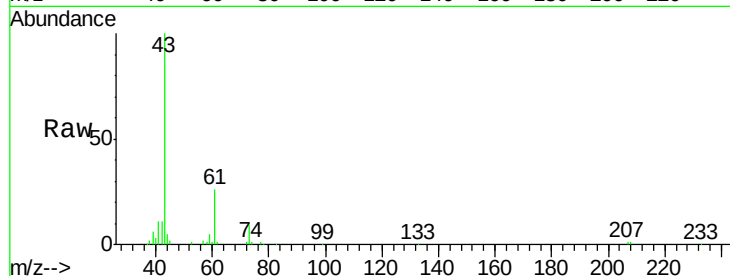
Tot Ion: 43 Resp: 73350

Ion Ratio Lower Upper

43 100

61 25.6 19.7 29.5

87 0.0 0.5 0.7#



#44

Trichloroethene

Concen: 21.035 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF059379.D

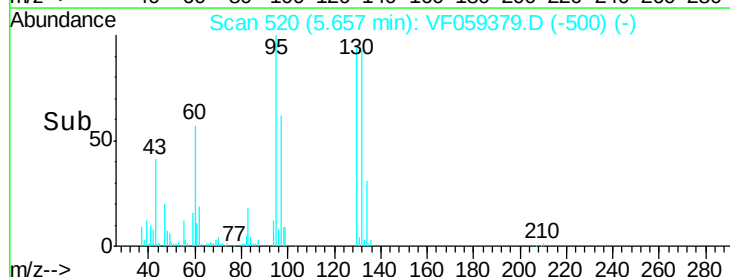
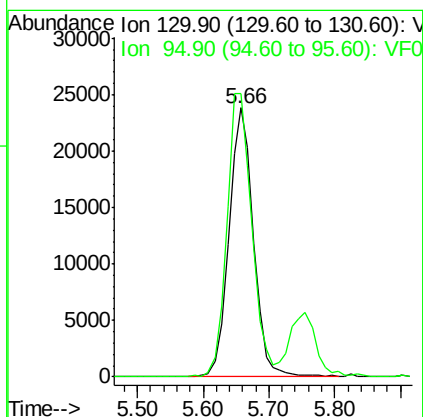
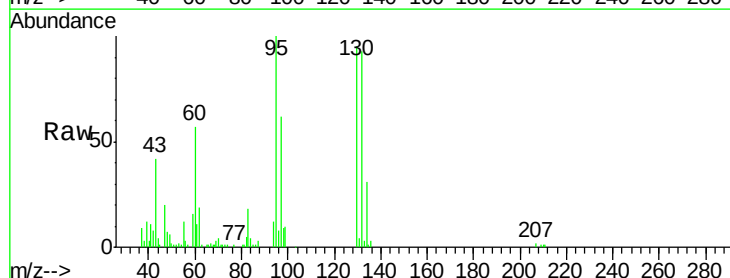
Acq: 29 Jun 2018 16:23

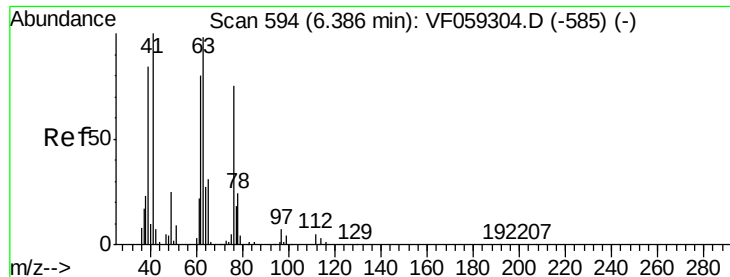
Tgt Ion:130 Resp: 61835

Ion Ratio Lower Upper

130 100

95 105.1 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.339 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

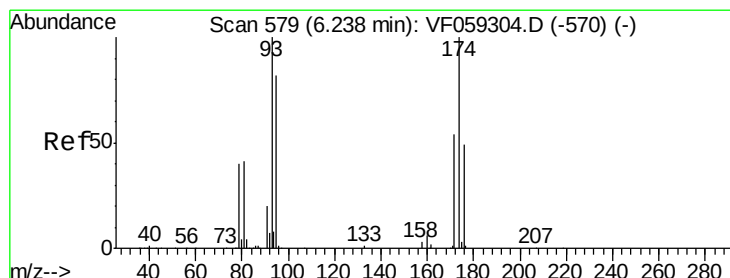
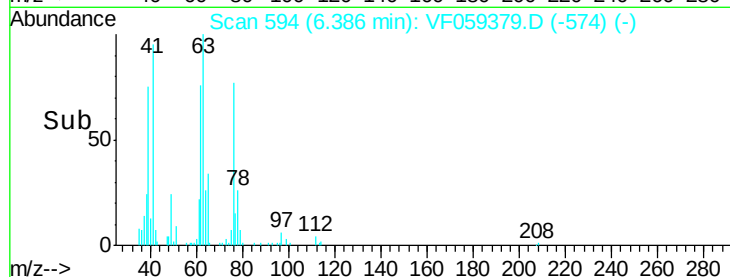
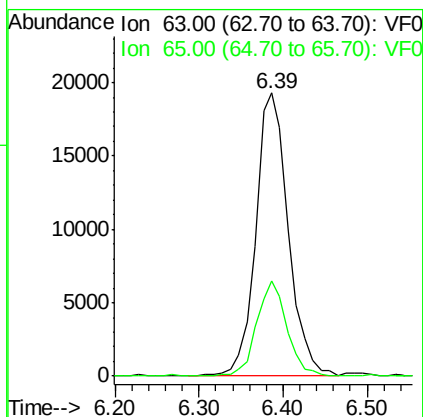
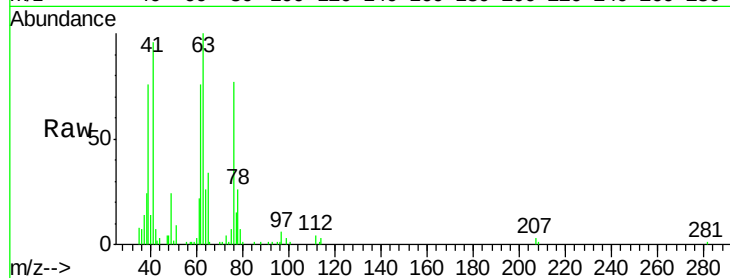
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 52245

Ion Ratio Lower Upper

63 100

65 33.8 25.3 37.9



#46

Dibromomethane

Concen: 19.413 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

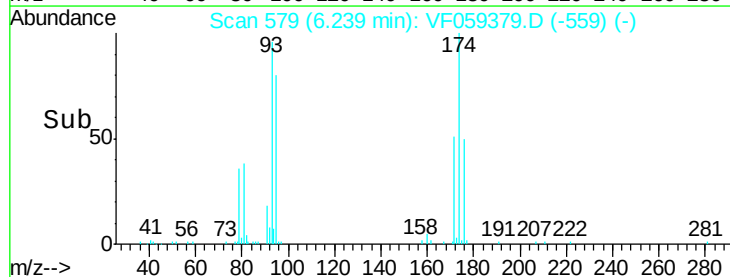
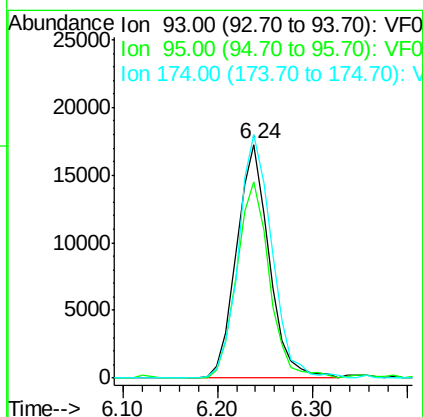
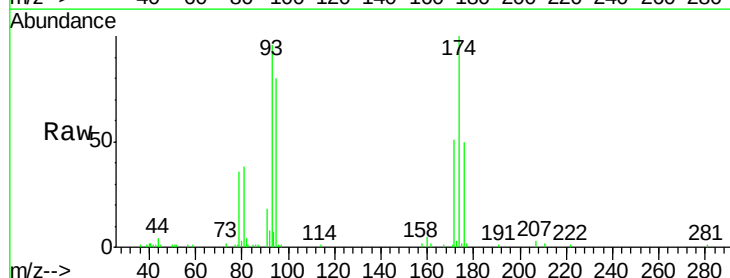
Tgt Ion: 93 Resp: 41253

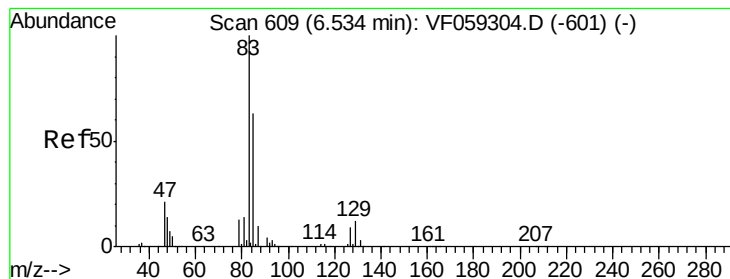
Ion Ratio Lower Upper

93 100

95 84.0 65.6 98.4

174 104.3 80.0 120.0





#47

Bromodichloromethane

Concen: 19.977 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampled :

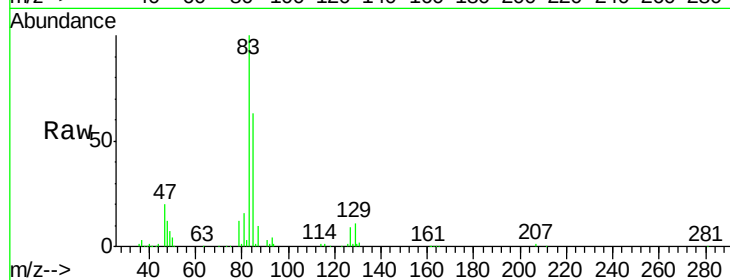
Tot Ion: 83 Resp: 102762

Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.2	75.2
127	9.1	7.0	10.4

83 100

85 63.2 50.2 75.2

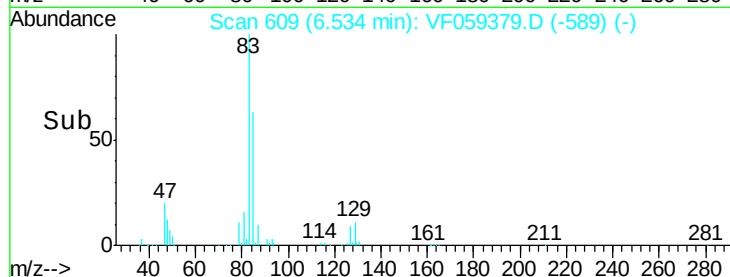
127 9.1 7.0 10.4



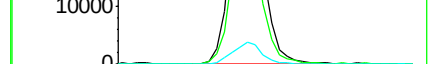
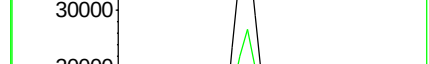
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

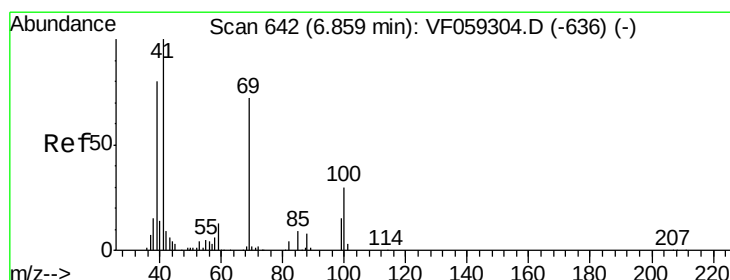
Ion 127.00 (126.70 to 127.70): V



Abundance



Time-->



#48

Methyl methacrylate

Concen: 22.363 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

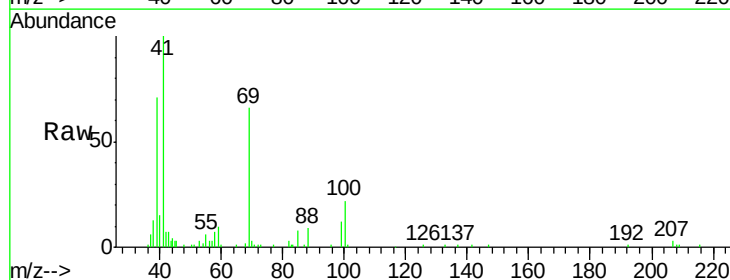
Tgt Ion: 41 Resp: 48250

Ion	Ratio	Lower	Upper
41	100		
69	66.1	57.3	85.9
39	71.2	64.4	96.6

41 100

69 66.1 57.3 85.9

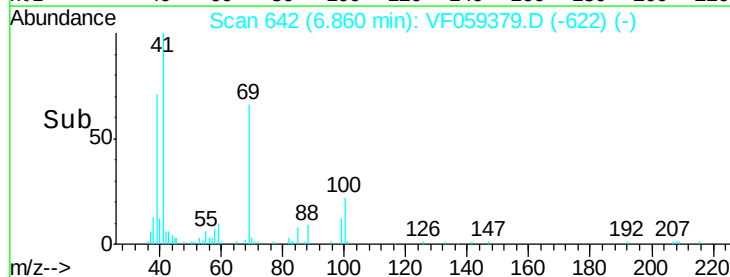
39 71.2 64.4 96.6



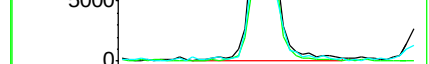
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

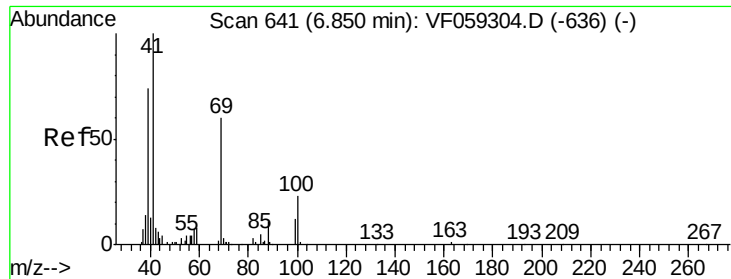
Ion 39.00 (38.70 to 39.70): VF0



Abundance



Time-->



#49

1,4-Dioxane

Concen: 434.322 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

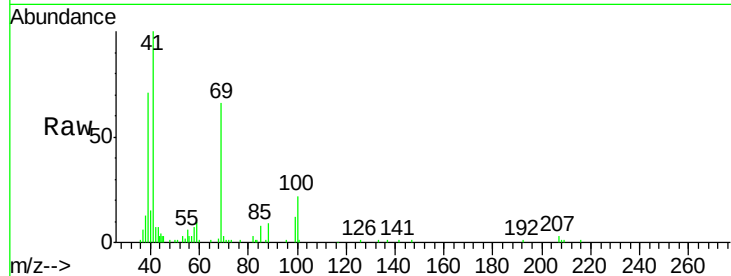
Tot Ion: 88 Resp: 5277

Ion Ratio Lower Upper

88 100

43 72.7 50.6 75.8

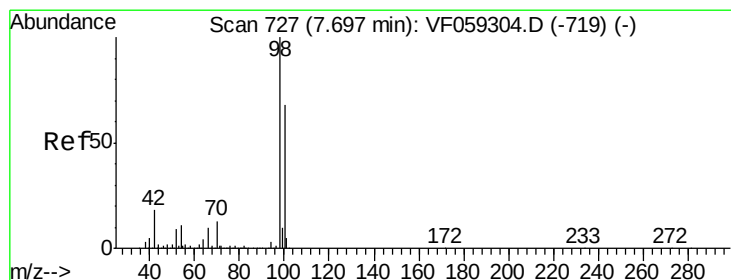
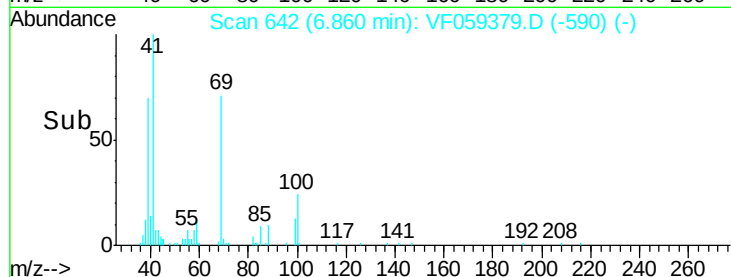
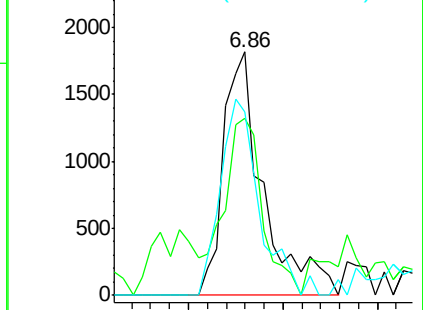
58 75.3 46.6 69.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 43.818 ug/l

RT: 7.70 min Scan# 727

Delta R.T. 0.00 min

Lab File: VF059379.D

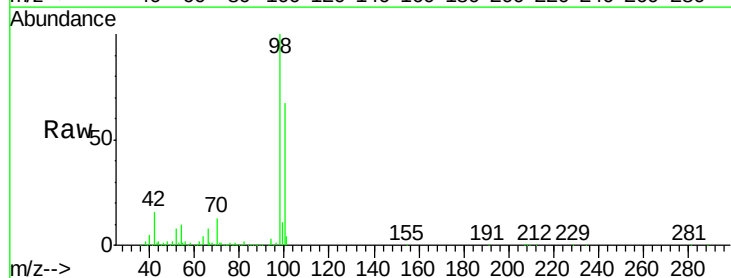
Acq: 29 Jun 2018 16:23

Tgt Ion: 98 Resp: 350703

Ion Ratio Lower Upper

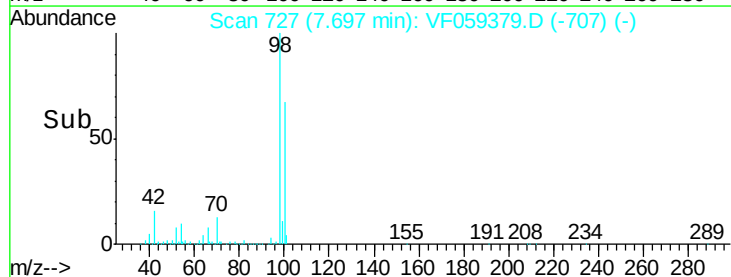
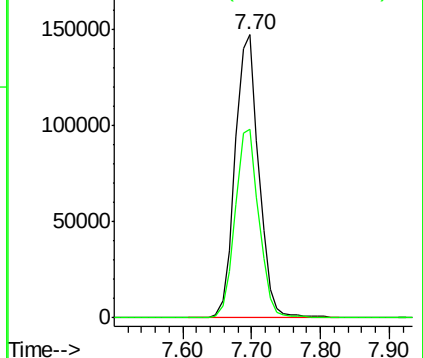
98 100

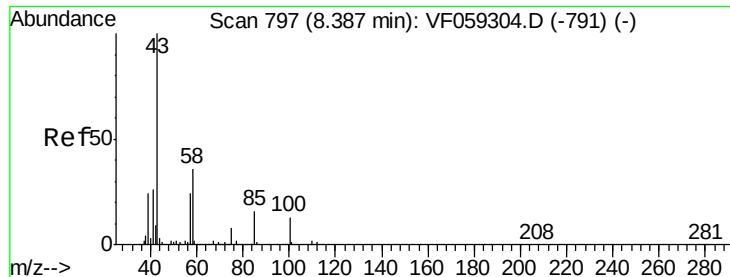
100 66.9 54.6 82.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 111.130 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

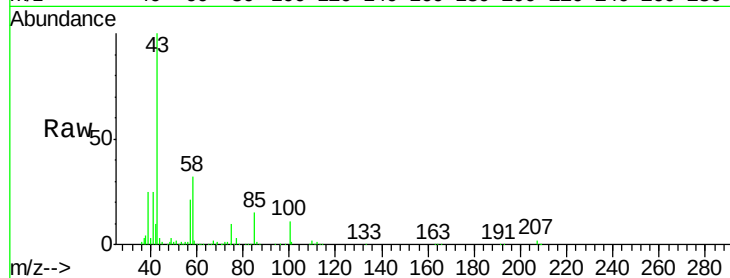
ClientSampleId :

Tot Ion: 43 Resp: 265043

Ion Ratio Lower Upper

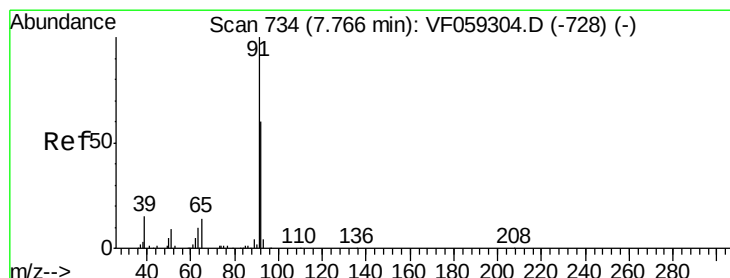
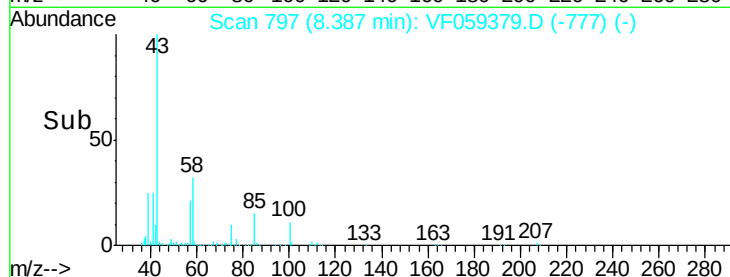
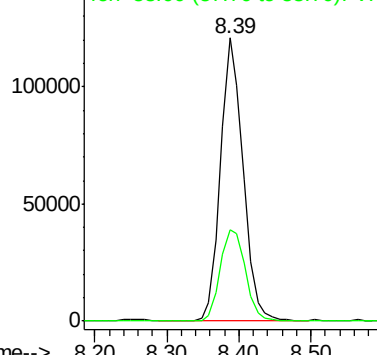
43 100

58 32.2 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.386 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059379.D

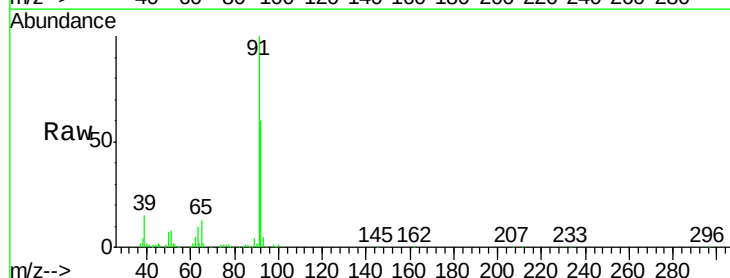
Acq: 29 Jun 2018 16:23

Tgt Ion: 92 Resp: 130716

Ion Ratio Lower Upper

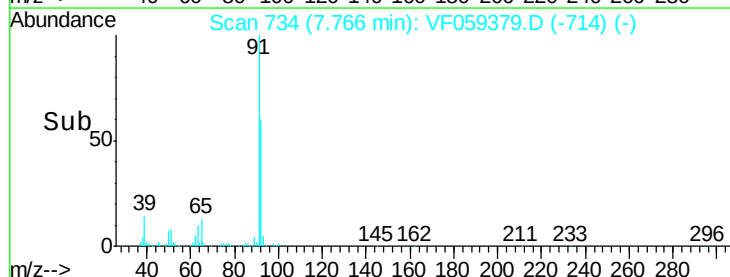
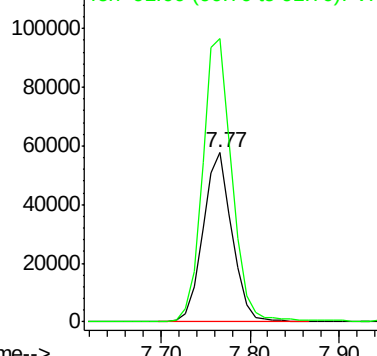
92 100

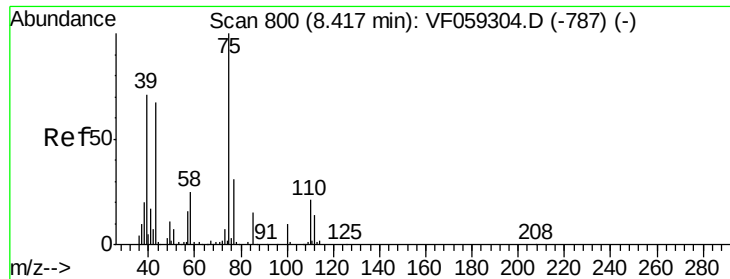
91 167.2 132.8 199.2



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: 21.841 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

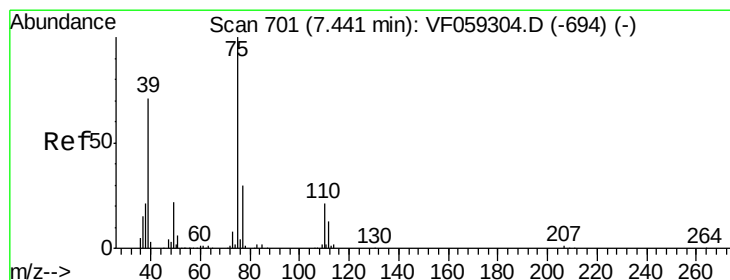
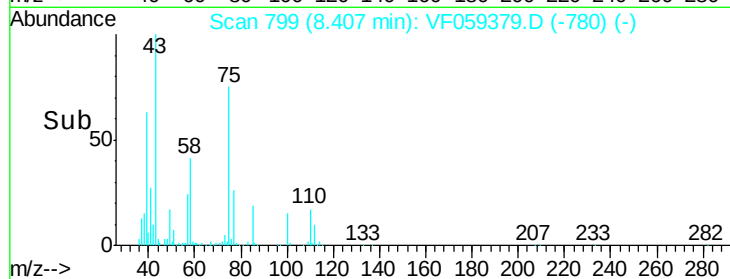
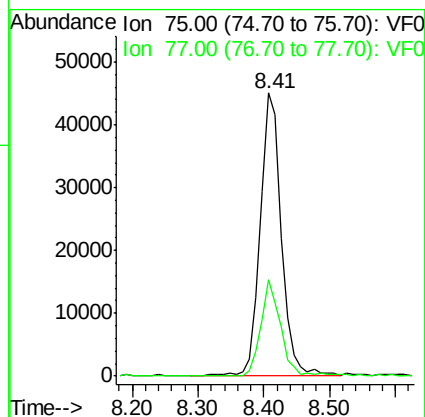
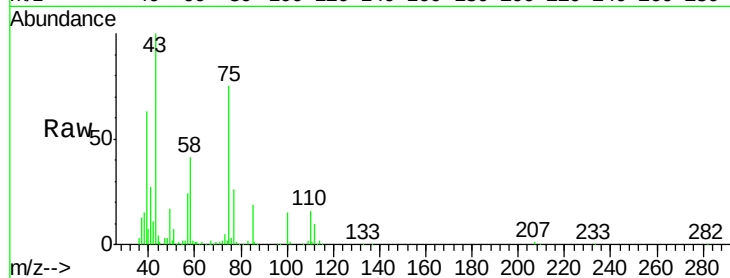
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 102408

Ion Ratio Lower Upper

75 100

77 34.3 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.455 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

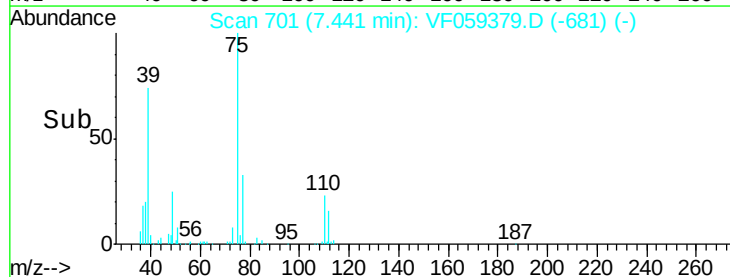
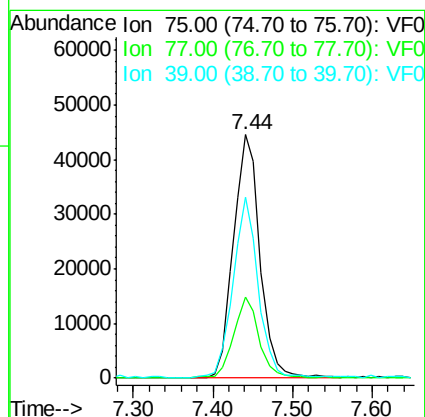
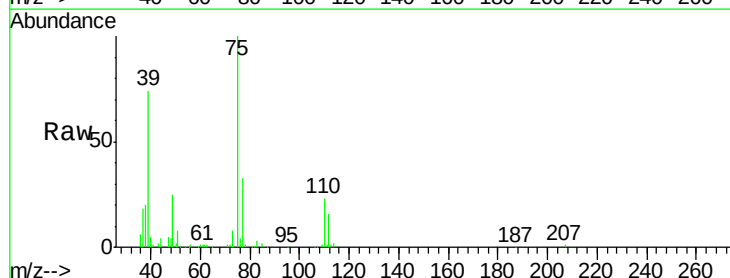
Tgt Ion: 75 Resp: 104176

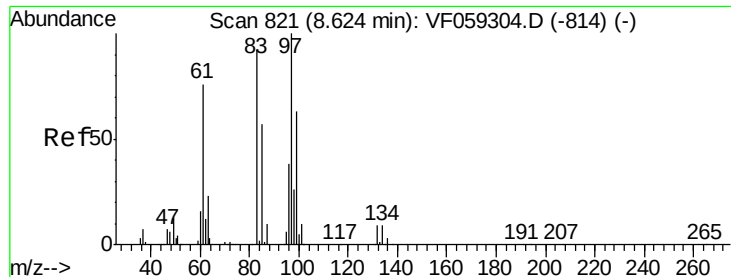
Ion Ratio Lower Upper

75 100

77 33.2 24.3 36.5

39 74.2 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 21.311 ug/l

RT: 8.62 min Scan# 821

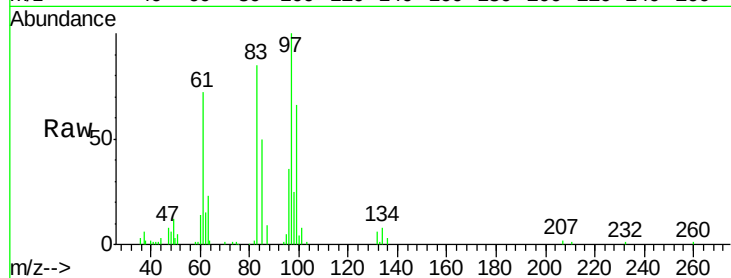
Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	97	Resp:	53057
Ion	Ratio	Lower	Upper
97	100		
83	85.0	73.8	110.8
85	50.2	45.5	68.3
99	66.1	50.7	76.1

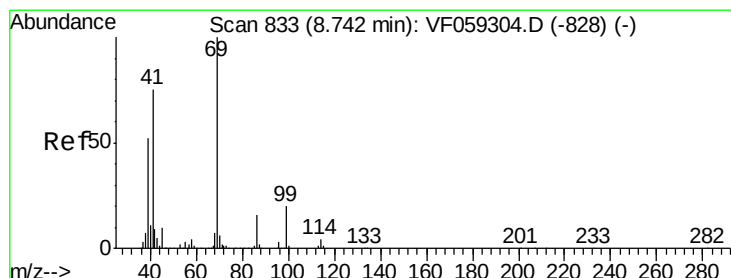
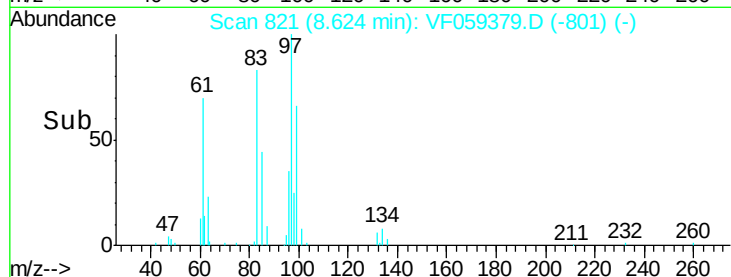
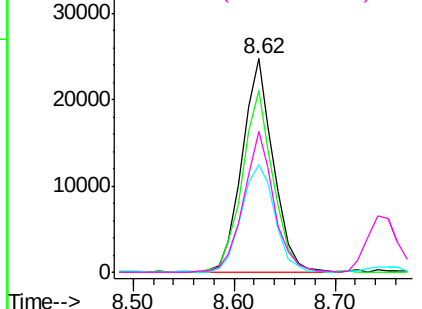


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.894 ug/l

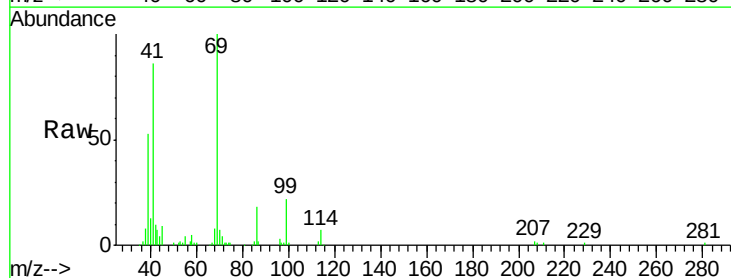
RT: 8.74 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

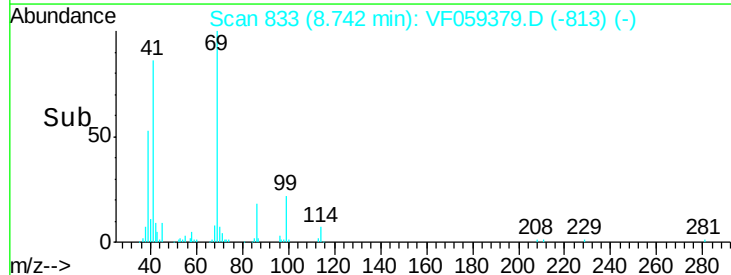
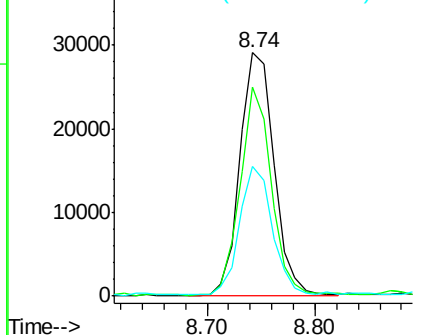
Tgt Ion:	69	Resp:	64439
Ion	Ratio	Lower	Upper
69	100		
41	85.7	60.3	90.5
39	53.2	42.2	63.4

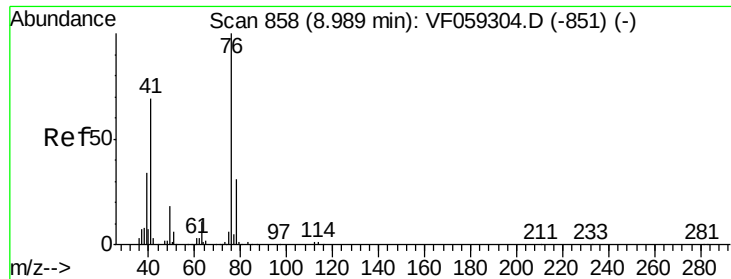


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.909 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

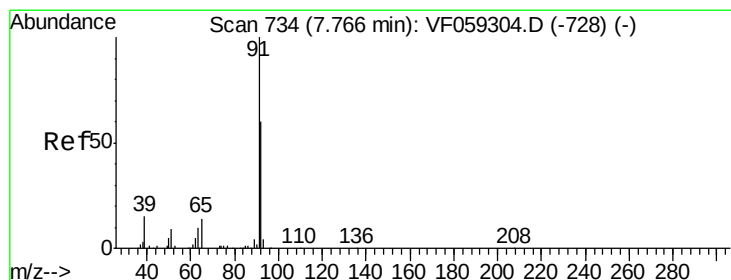
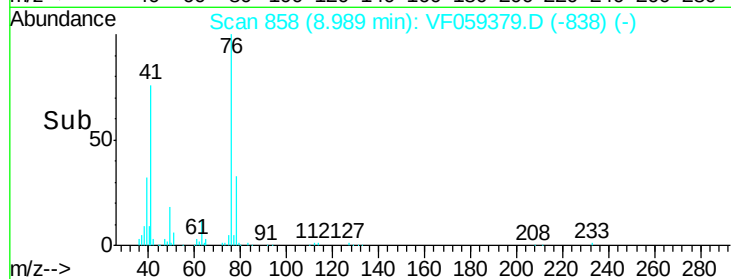
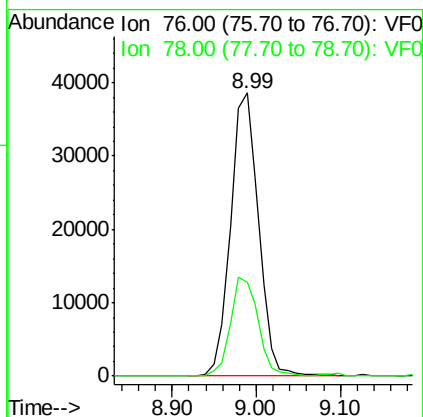
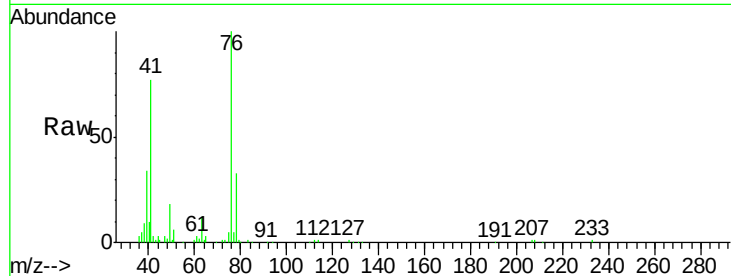
ClientSampleId :

Tot Ion: 76 Resp: 89279

Ion Ratio Lower Upper

76 100

78 33.4 24.9 37.3



#58

2-Chloroethyl Vinyl ether

Concen: 100.112 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059379.D

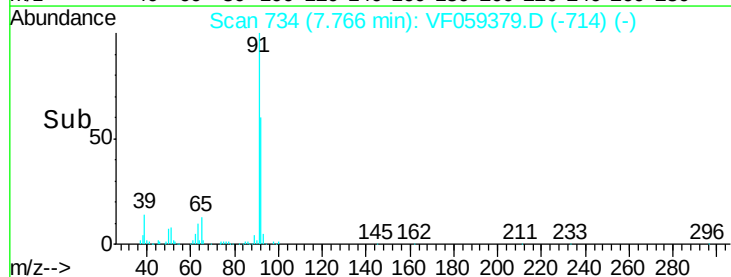
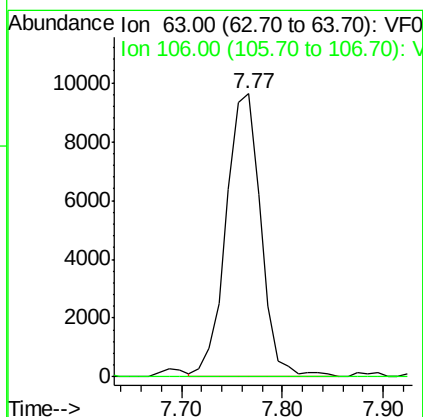
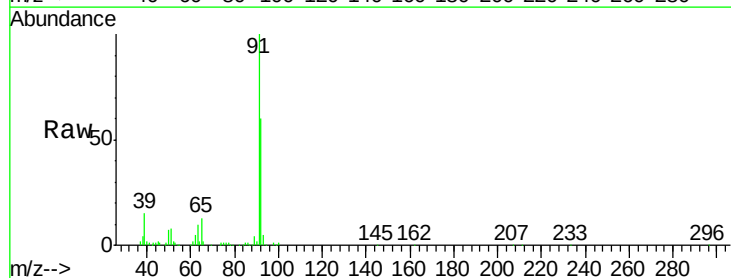
Acq: 29 Jun 2018 16:23

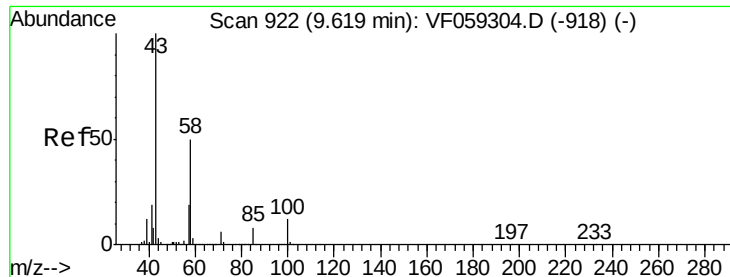
Tgt Ion: 63 Resp: 23156

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

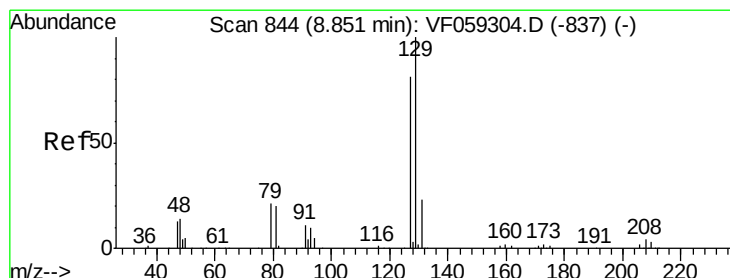
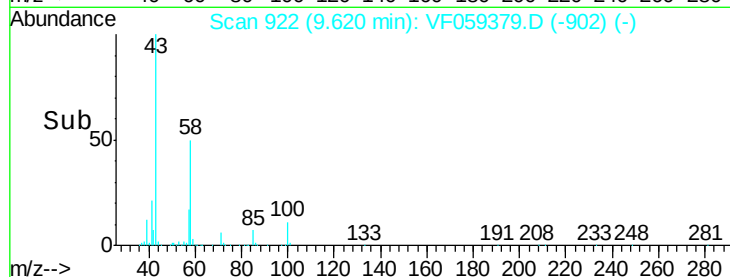
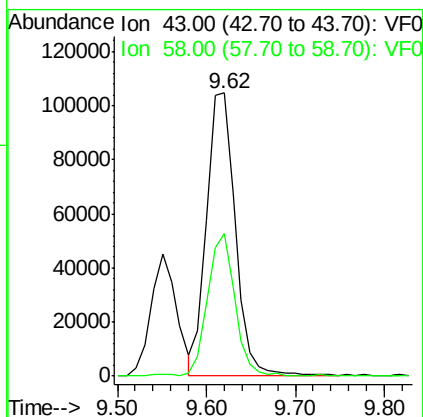
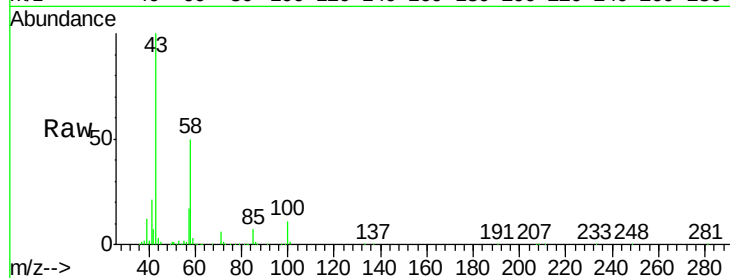




#59
2-Hexanone
Concen: 121.379 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

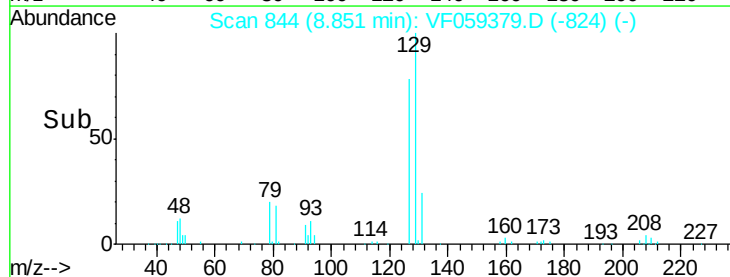
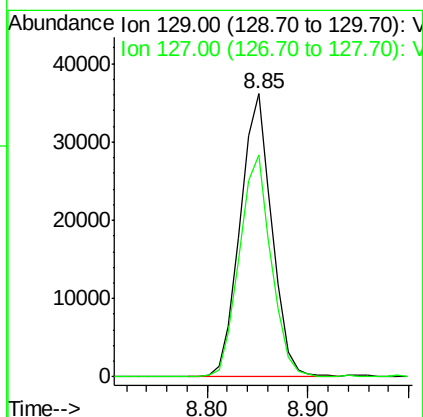
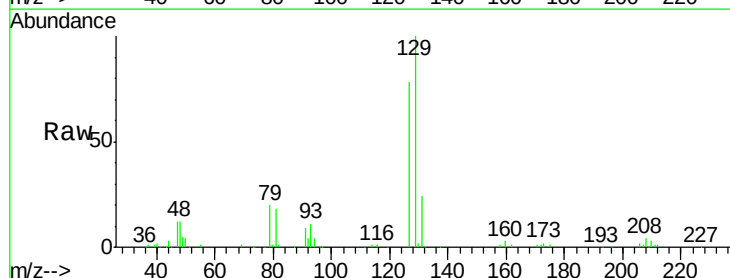
Instrument :
MSVOA_F
ClientSampleId :

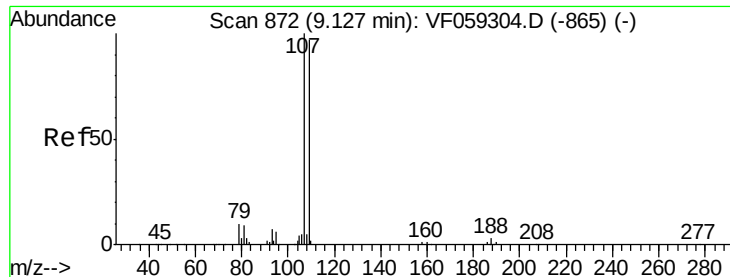
Tot Ion: 43 Resp: 233055
Ion Ratio Lower Upper
43 100
58 50.3 23.3 69.9



#60
Dibromochloromethane
Concen: 20.607 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion: 129 Resp: 79206
Ion Ratio Lower Upper
129 100
127 78.3 40.7 122.1





#61

1,2-Dibromoethane

Concen: 21.411 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

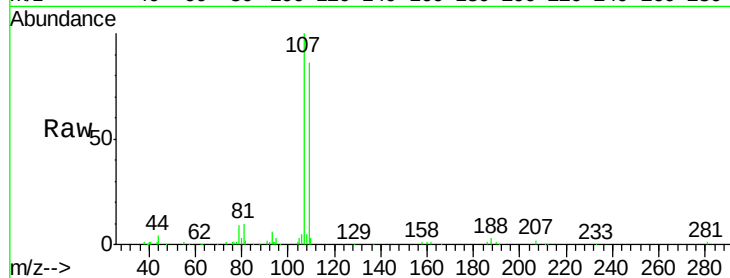
ClientSampleId :

Tot Ion:107 Resp: 64648

Ion Ratio Lower Upper

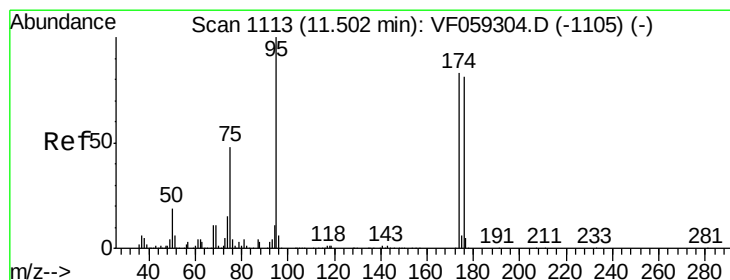
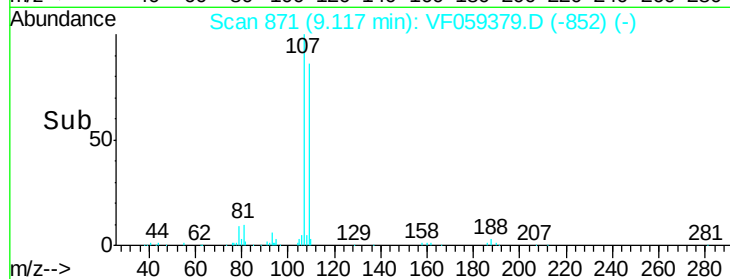
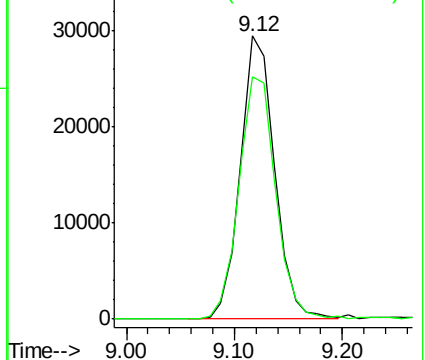
107 100

109 85.7 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 44.639 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

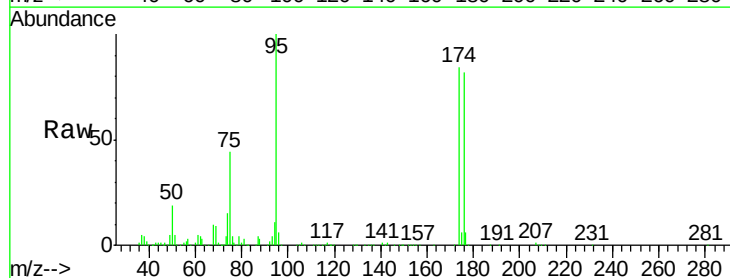
Tgt Ion: 95 Resp: 201533

Ion Ratio Lower Upper

95 100

174 83.9 0.0 165.2

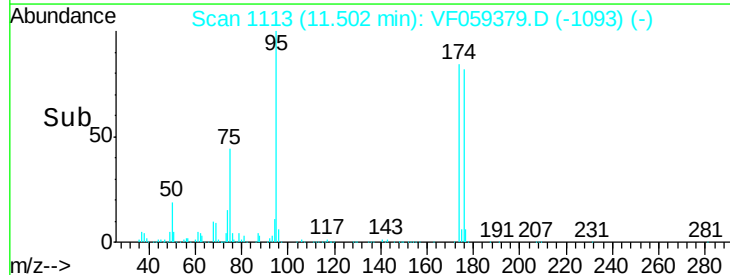
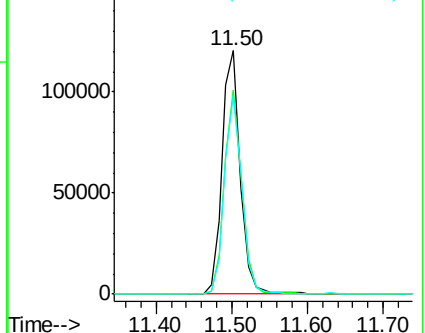
176 81.7 0.0 161.0

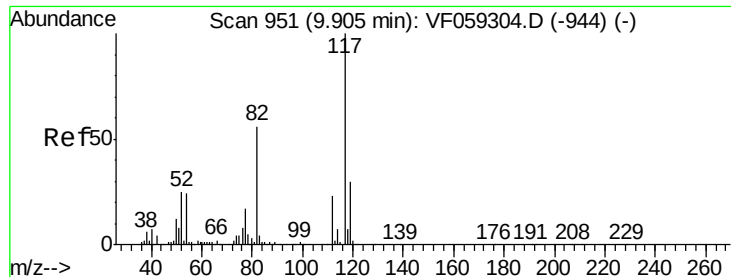


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

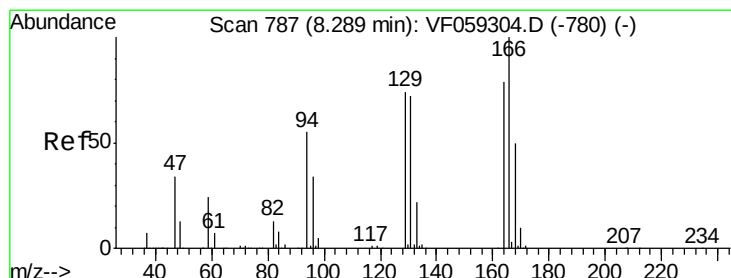
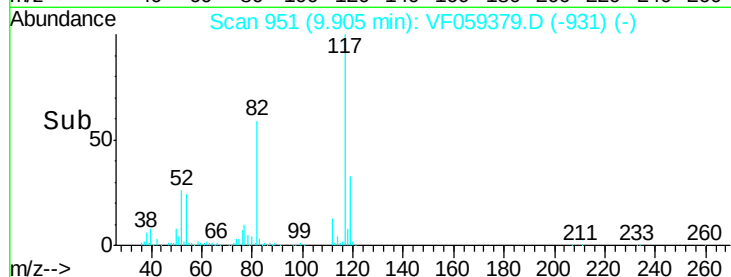
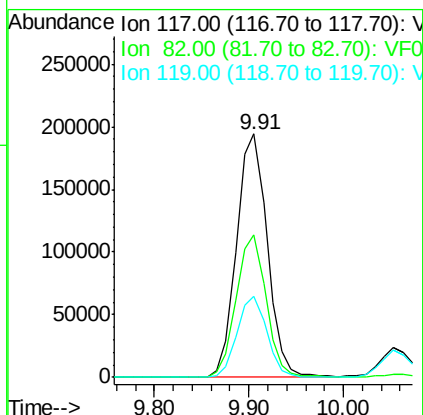
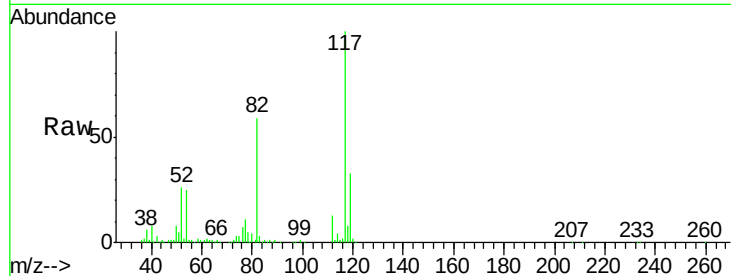




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

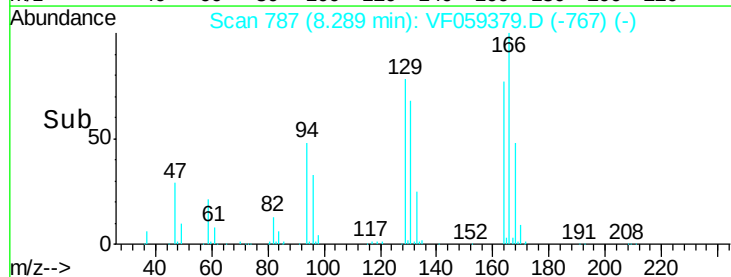
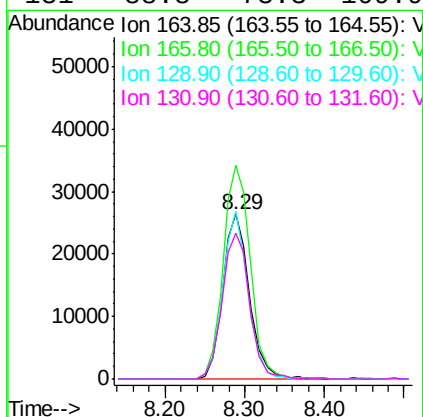
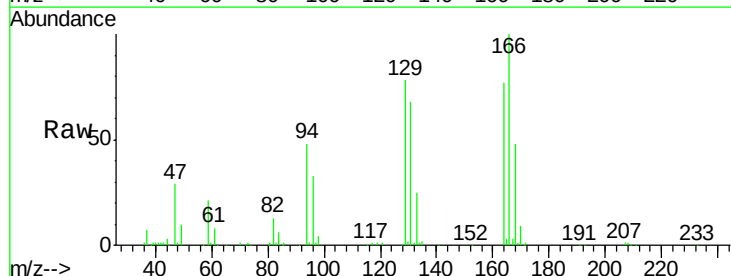
Instrument :
MSVOA_F
ClientSampled :

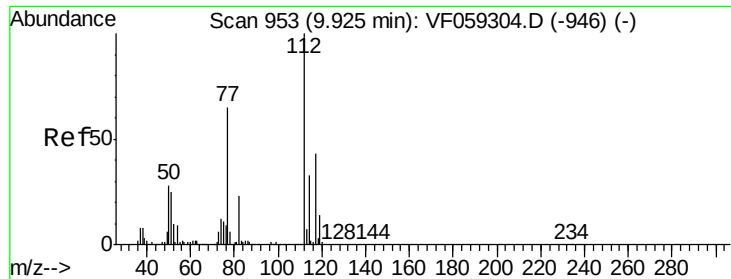
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	44.6	66.8
119	33.5	24.1	36.1



#64
Tetrachloroethene
Concen: 21.760 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.1	151.7
129	101.7	75.0	112.4
131	88.8	73.3	109.9

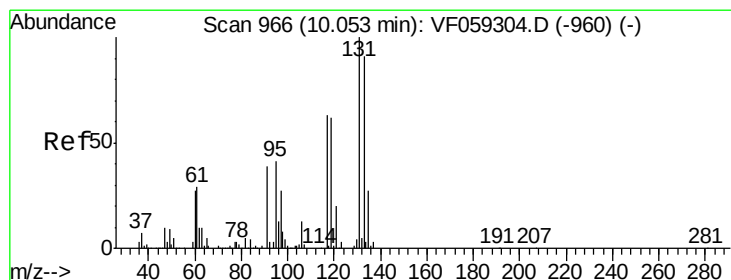
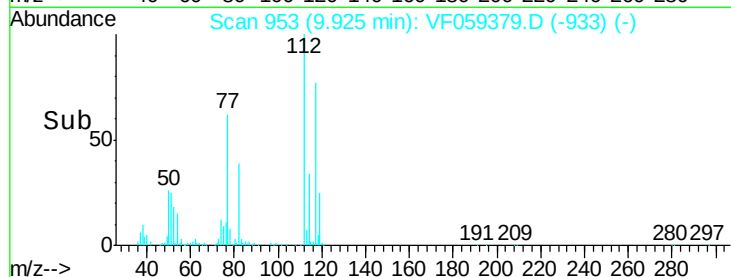
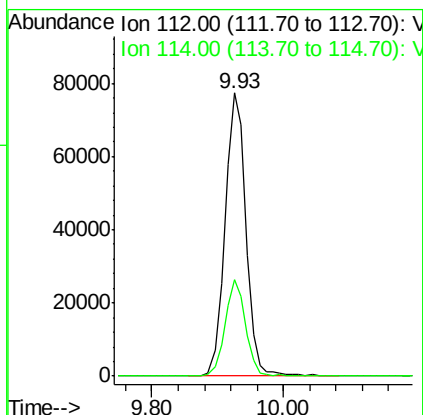
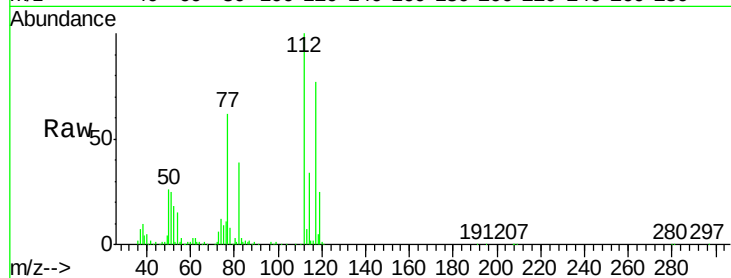




#65
Chlorobenzene
Concen: 21.159 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

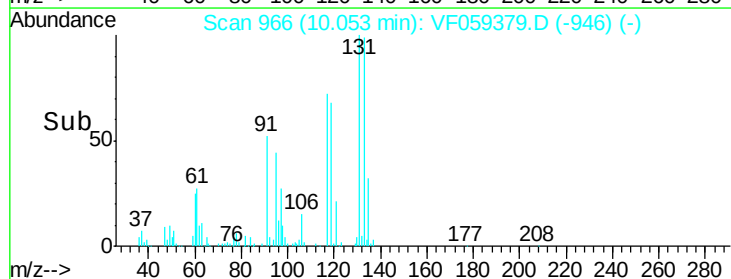
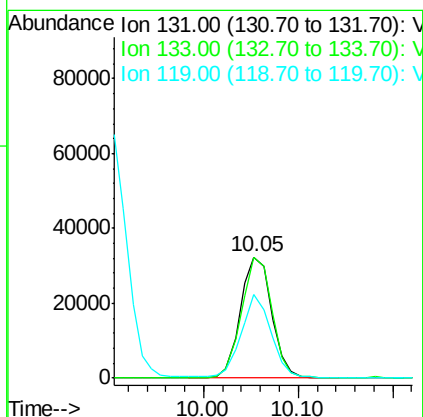
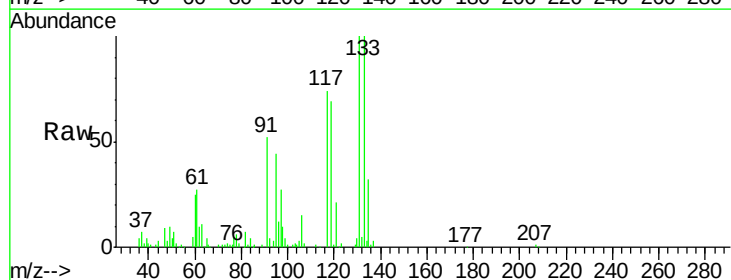
Instrument :
MSVOA_F
ClientSampleId :

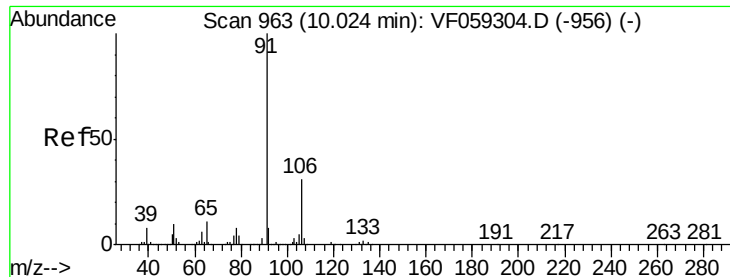
Tot Ion:112 Resp: 171858
Ion Ratio Lower Upper
112 100
114 34.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.078 ug/l
RT: 10.05 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion:131 Resp: 74044
Ion Ratio Lower Upper
131 100
133 99.8 45.3 135.9
119 68.8 31.3 93.9

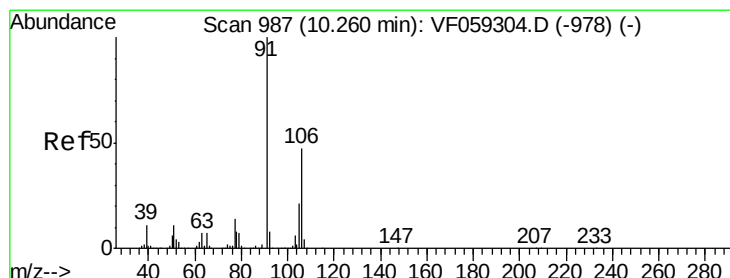
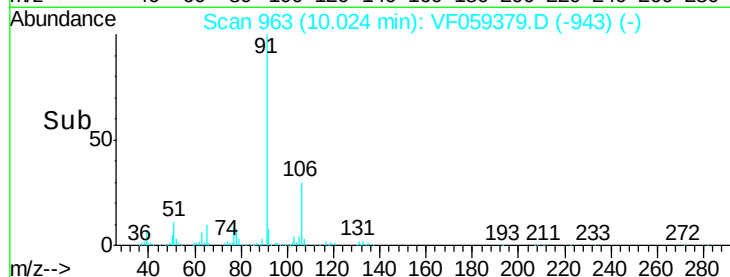
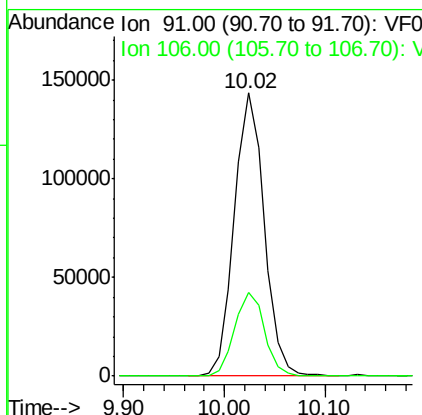
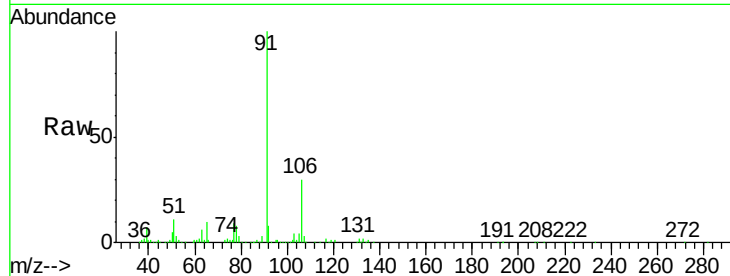




#67
Ethyl Benzene
Concen: 21.599 ug/l
RT: 10.02 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

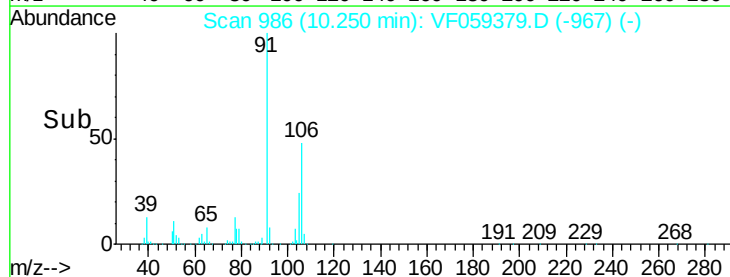
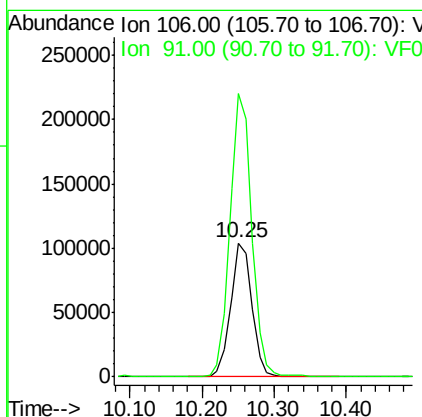
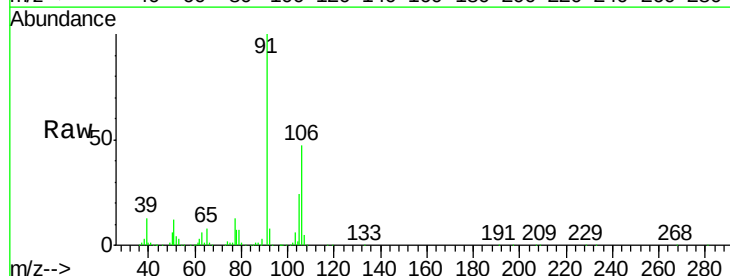
Instrument :
MSVOA_F
ClientSampleId :

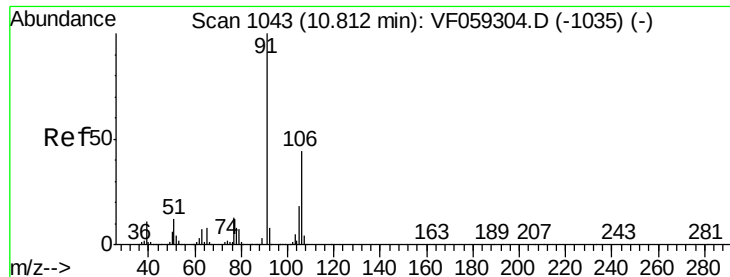
Tot Ion: 91 Resp: 297598
Ion Ratio Lower Upper
91 100
106 29.7 24.8 37.2



#68
m/p-Xylenes
Concen: 43.791 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion: 106 Resp: 214759
Ion Ratio Lower Upper
106 100
91 211.8 170.8 256.2

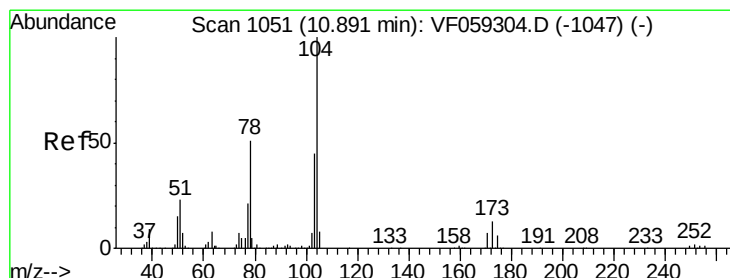
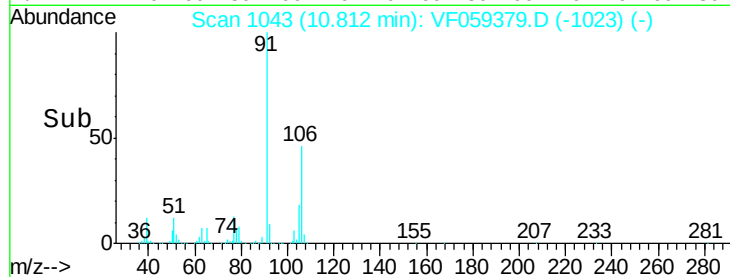
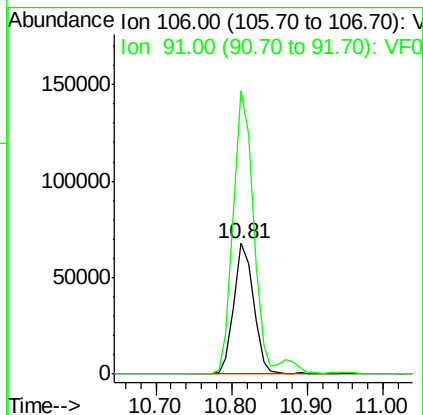
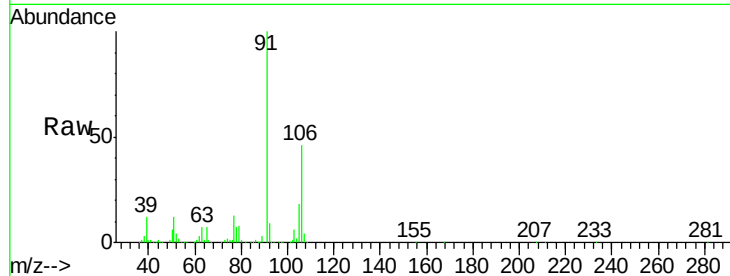




#69
o-Xylene
Concen: 22.300 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

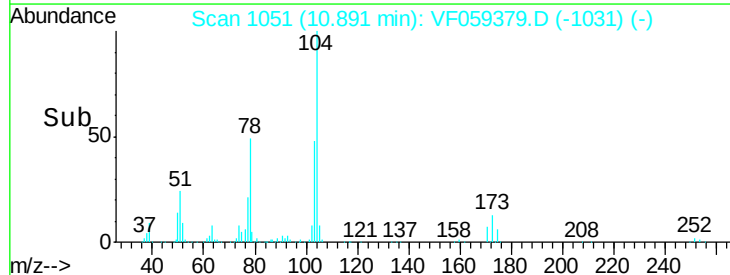
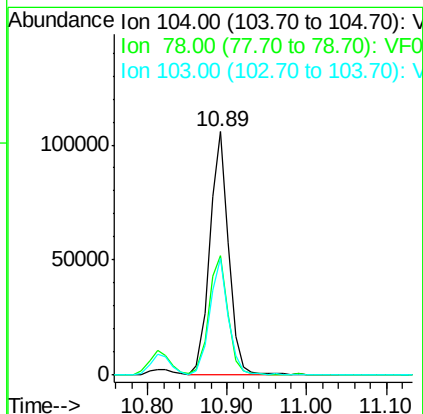
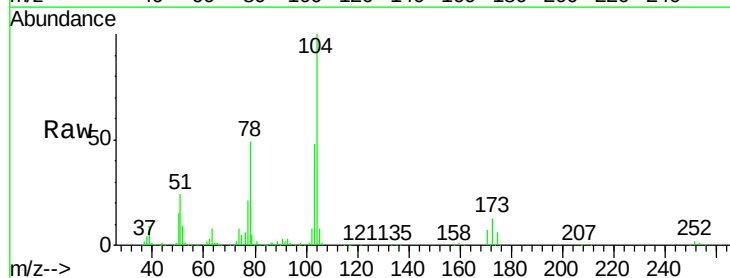
Instrument :
MSVOA_F
ClientSampled :

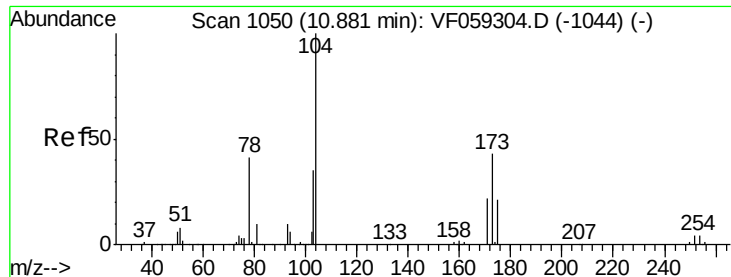
Tot Ion:106 Resp: 122323
Ion Ratio Lower Upper
106 100
91 216.3 114.6 343.6



#70
Styrene
Concen: 20.977 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion:104 Resp: 175284
Ion Ratio Lower Upper
104 100
78 49.3 40.9 61.3
103 47.8 36.5 54.7





#71

Bromoform

Concen: 21.398 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

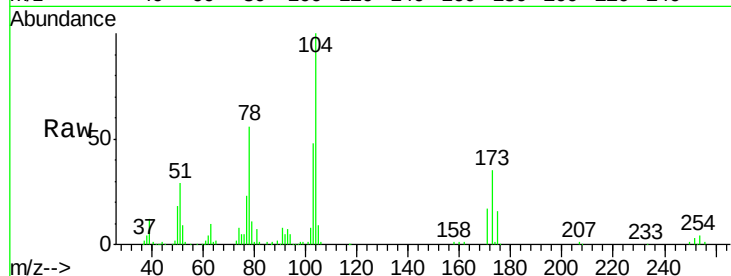
Tot Ion:173 Resp: 51522

Ion Ratio Lower Upper

173 100

175 45.4 24.8 74.3

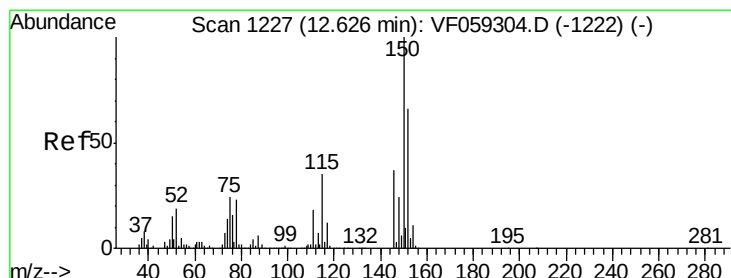
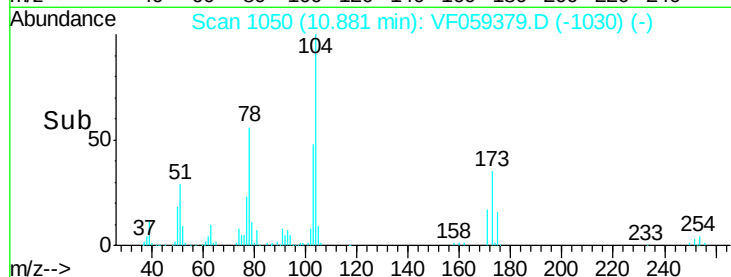
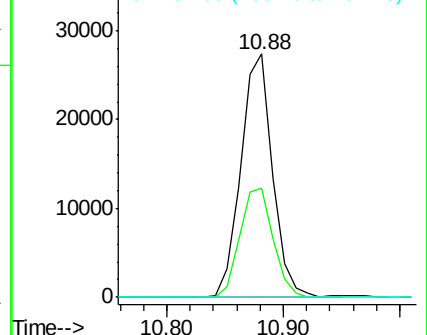
254 0.0 0.0 0.0



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: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

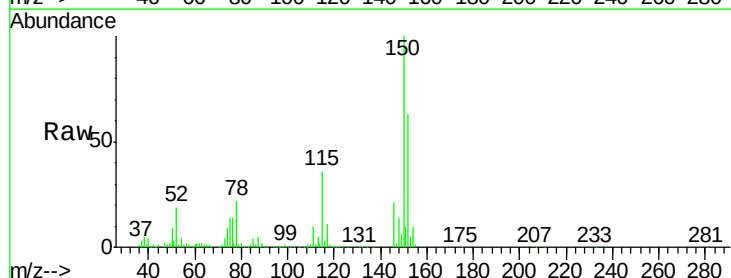
Tgt Ion:152 Resp: 270211

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

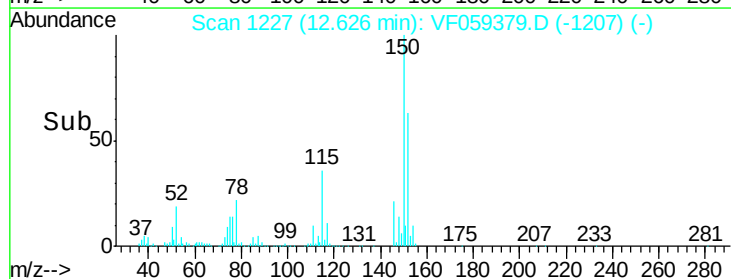
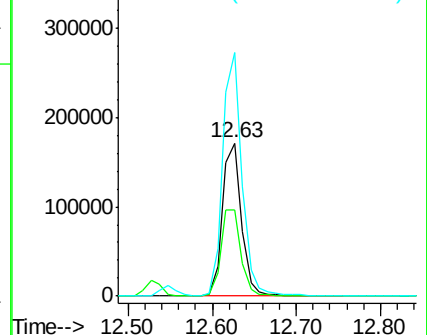
150 159.0 0.0 305.2

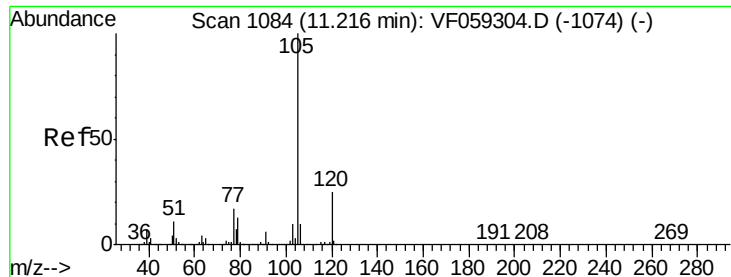


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.211 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

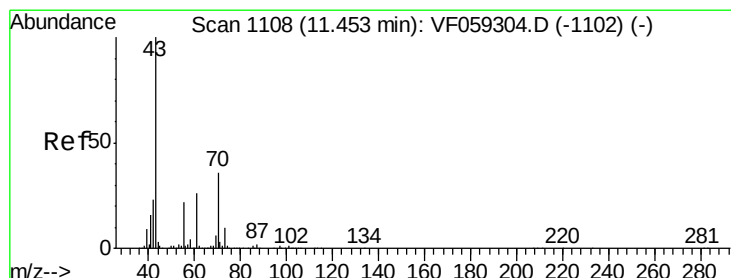
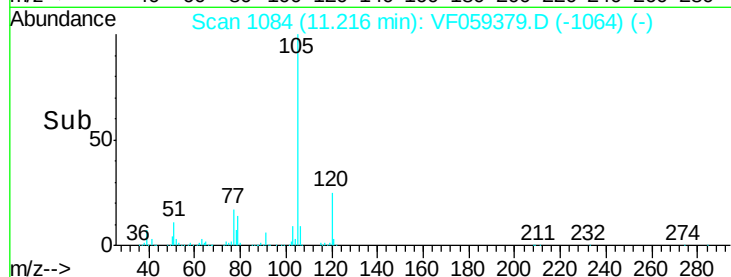
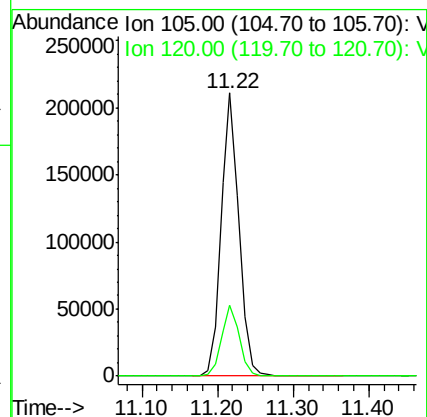
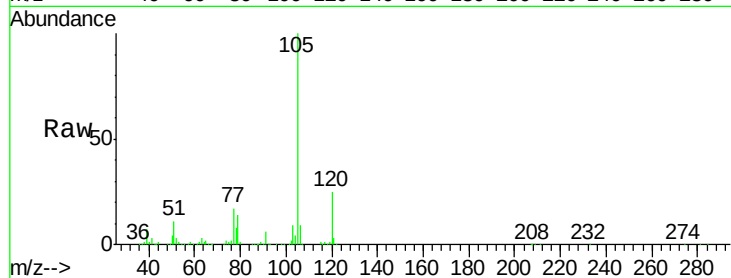
ClientSampleId :

Tot Ion:105 Resp: 349635

Ion Ratio Lower Upper

105 100

120 25.3 12.3 36.8



#74

N-ethyl acetate

Concen: 22.690 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Tgt Ion: 43 Resp: 129620

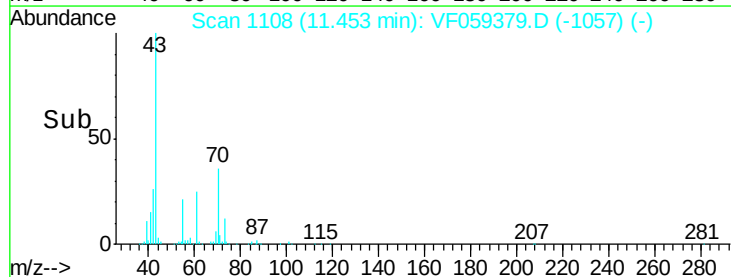
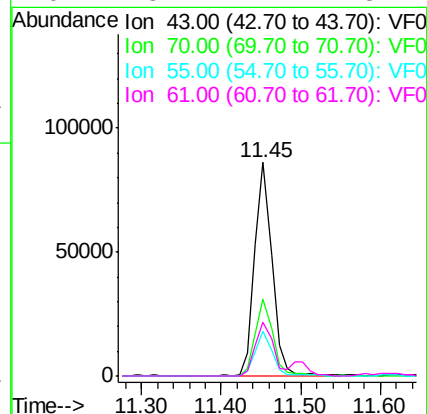
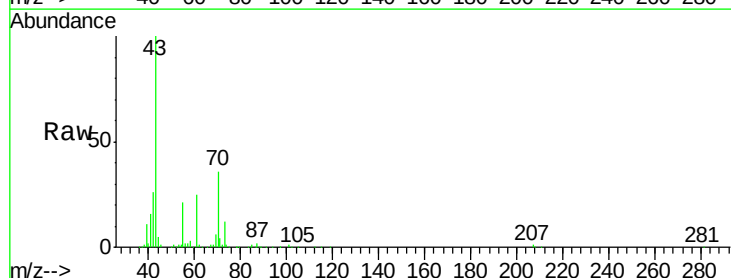
Ion Ratio Lower Upper

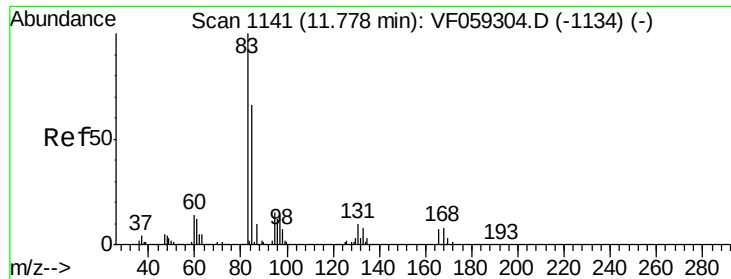
43 100

70 36.0 28.8 43.2

55 21.0 17.4 26.0

61 25.2 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.622 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

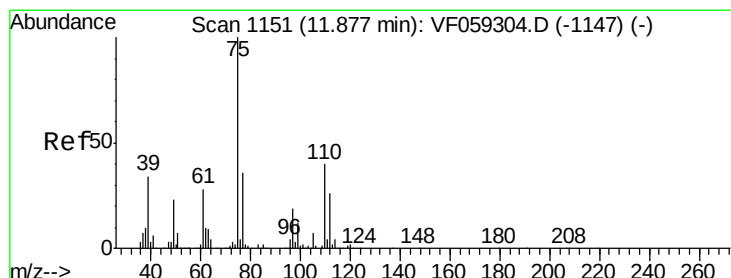
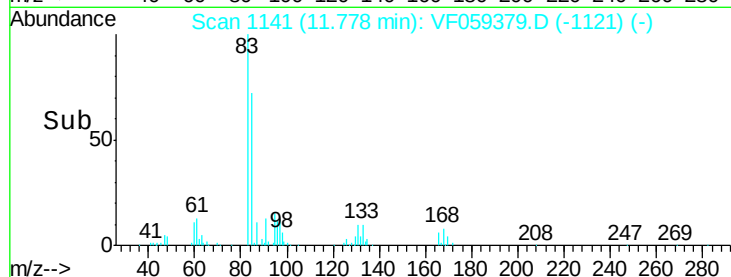
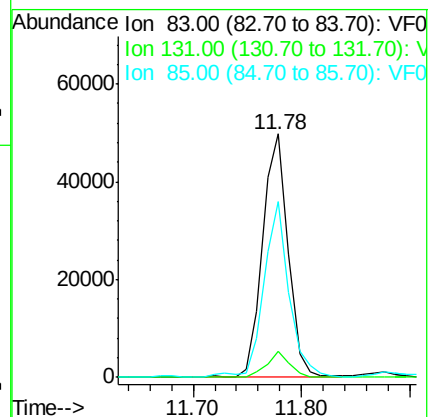
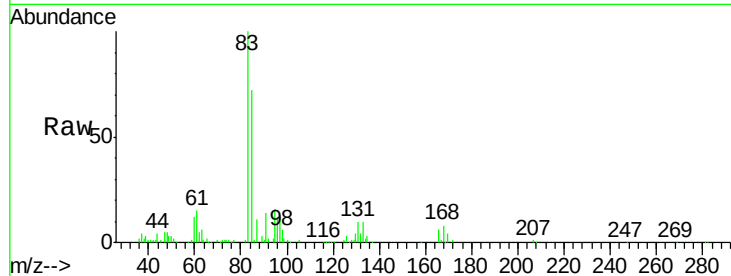
Tot Ion: 83 Resp: 81987

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.9	14.6
85	72.3	32.8	98.4

83 100

131 10.5 4.9 14.6

85 72.3 32.8 98.4



#76

1,2,3-Trichloropropane

Concen: 22.017 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF059379.D

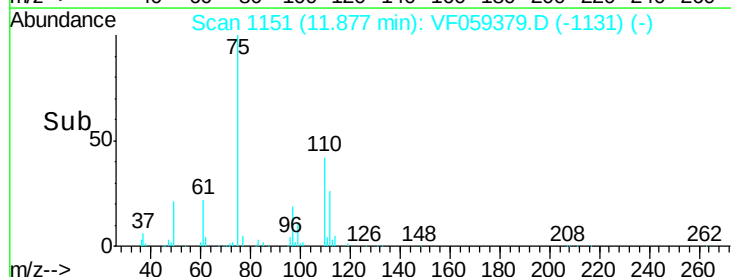
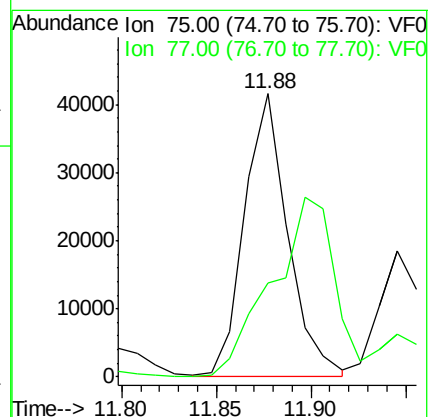
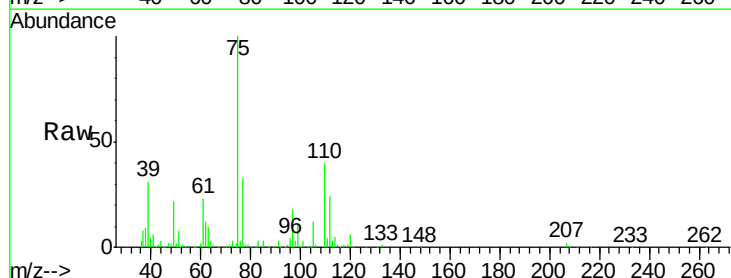
Acq: 29 Jun 2018 16:23

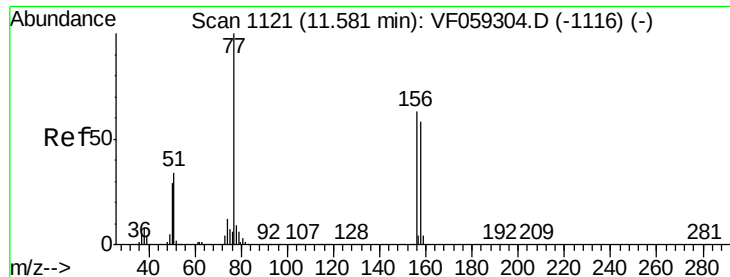
Tgt Ion: 75 Resp: 66028

Ion	Ratio	Lower	Upper
75	100		
77	33.4	18.0	54.0

75 100

77 33.4 18.0 54.0





#77

Bromobenzene

Concen: 20.338 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

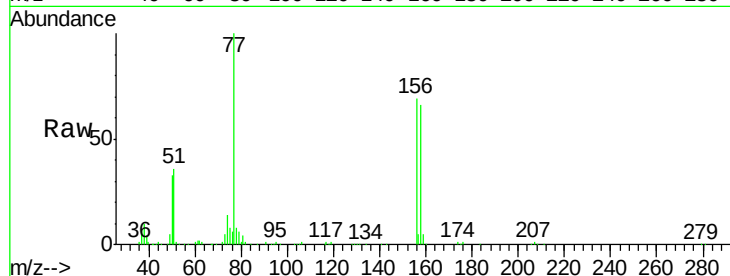
Tot Ion:156 Resp: 88826

Ion Ratio Lower Upper

156 100

77 144.4 79.7 238.9

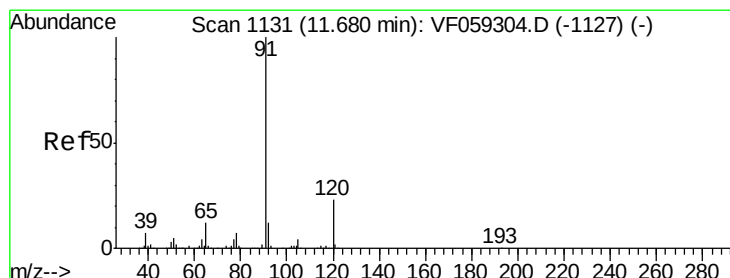
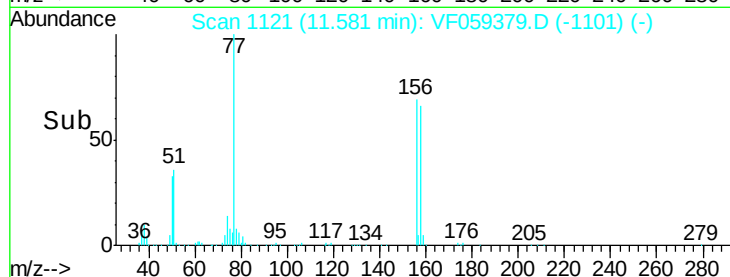
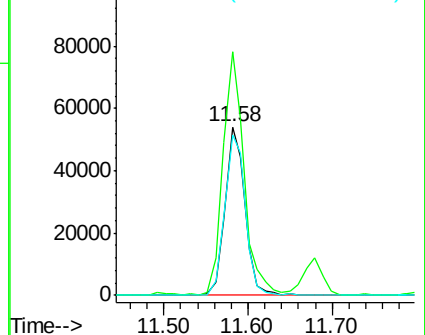
158 95.3 46.2 138.6



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: 21.827 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF059379.D

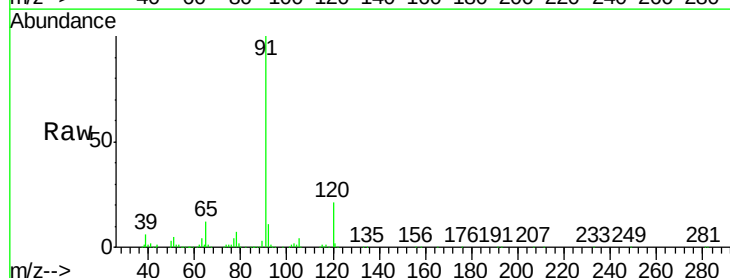
Acq: 29 Jun 2018 16:23

Tgt Ion: 91 Resp: 412643

Ion Ratio Lower Upper

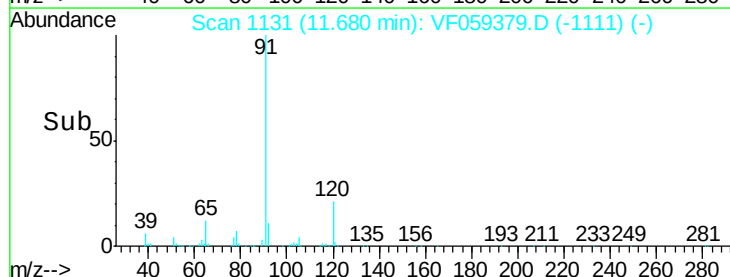
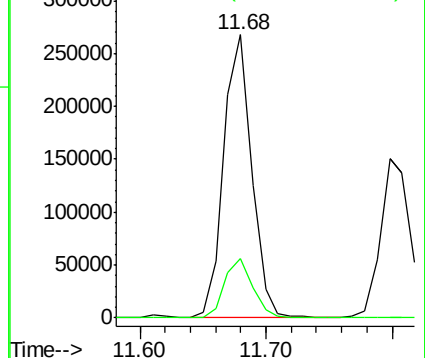
91 100

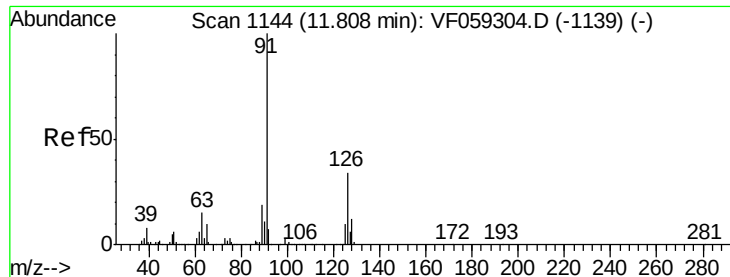
120 20.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.041 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

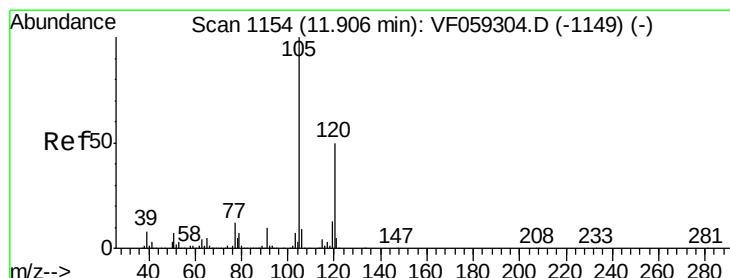
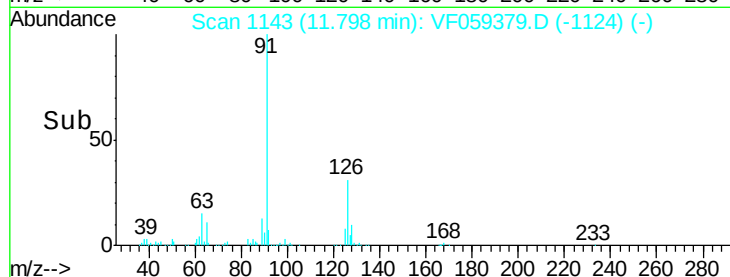
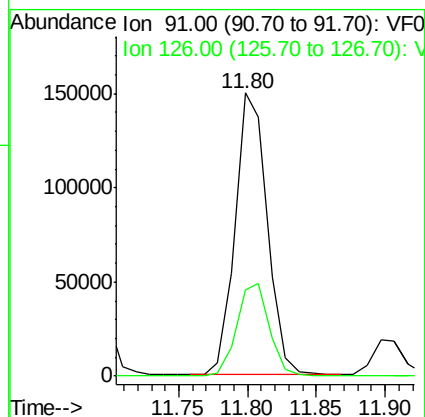
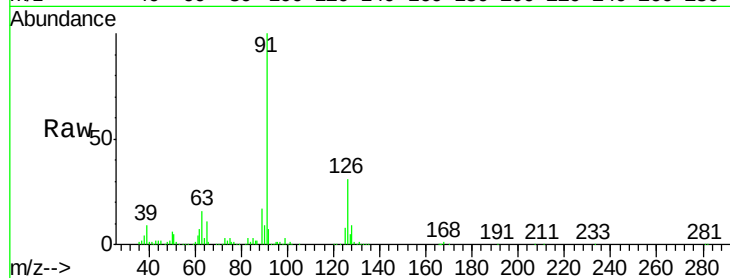
ClientSampleId :

Tot Ion: 91 Resp: 243025

Ion Ratio Lower Upper

91 100

126 30.5 17.2 51.5



#80

1,3,5-Trimethylbenzene

Concen: 21.735 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059379.D

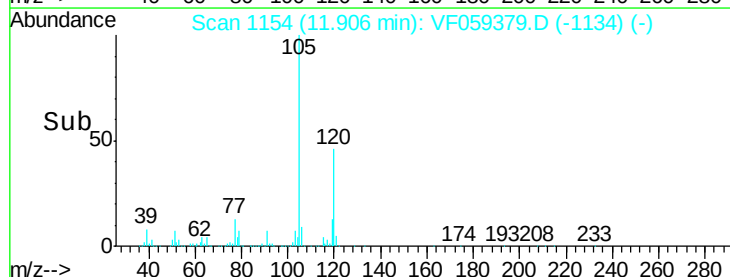
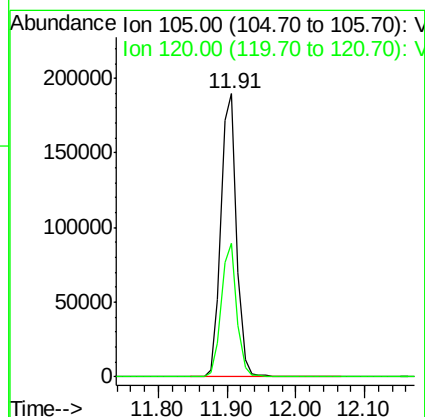
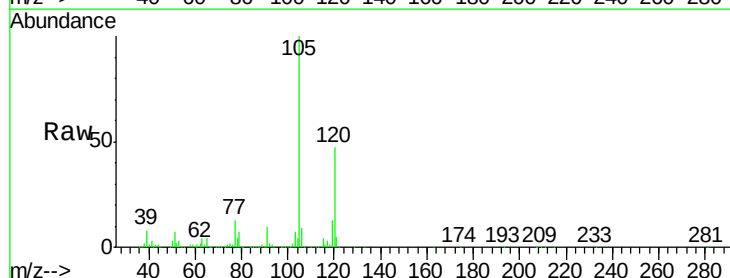
Acq: 29 Jun 2018 16:23

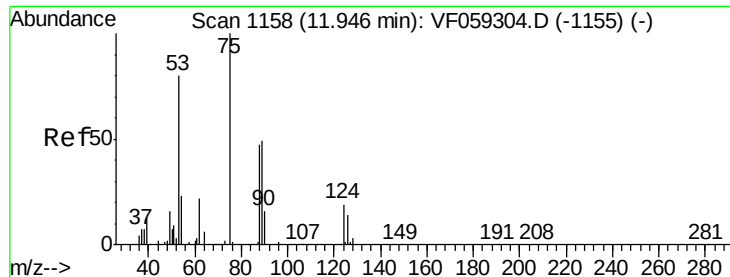
Tgt Ion:105 Resp: 299716

Ion Ratio Lower Upper

105 100

120 47.1 24.9 74.7

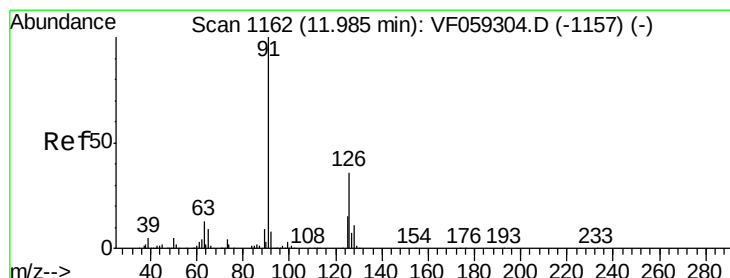
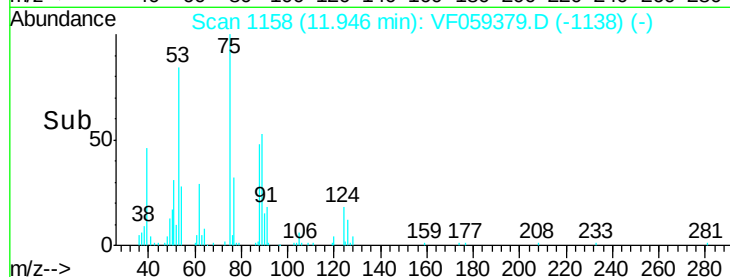
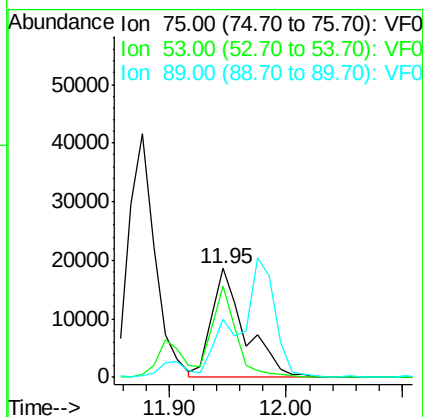
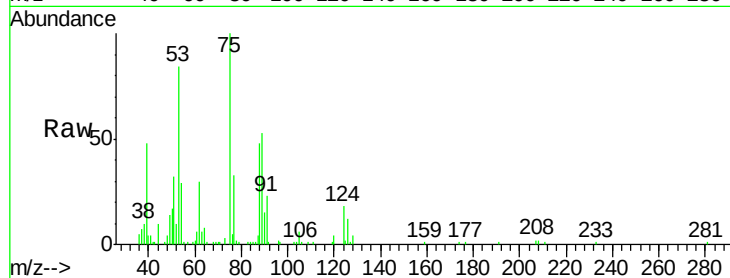




#81
trans-1,4-Dichloro-2-butene
Concen: 21.007 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. 0.00 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

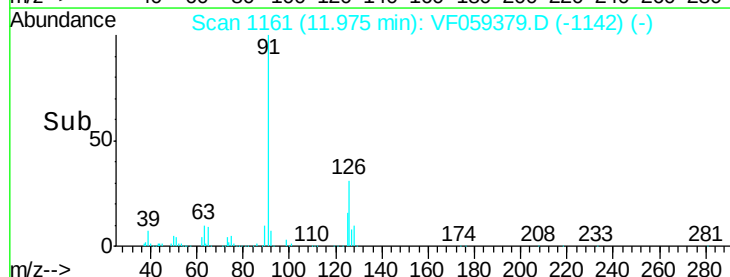
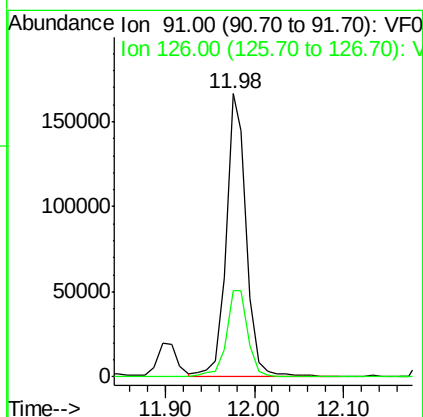
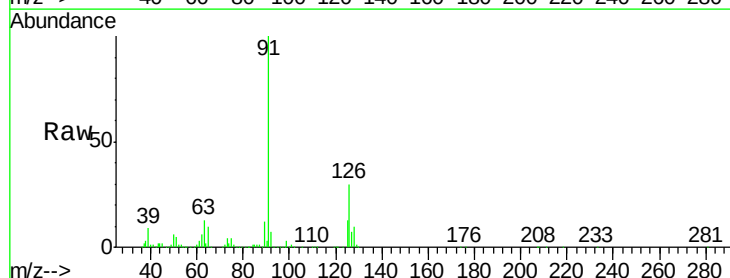
Instrument :
MSVOA_F
ClientSampleId :

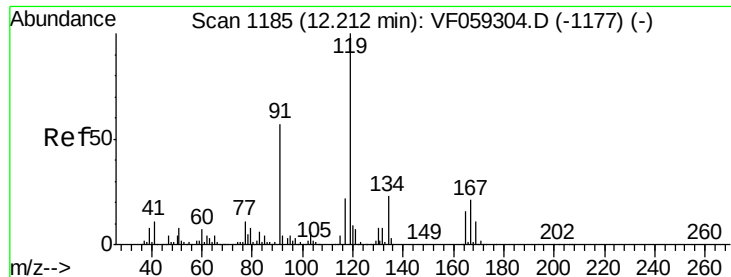
Tot Ion: 75 Resp: 37496
Ion Ratio Lower Upper
75 100
53 84.3 68.8 103.2
89 53.1 42.0 63.0



#82
4-Chlorotoluene
Concen: 21.365 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059379.D
Acq: 29 Jun 2018 16:23

Tgt Ion: 91 Resp: 264323
Ion Ratio Lower Upper
91 100
126 30.4 18.2 54.6

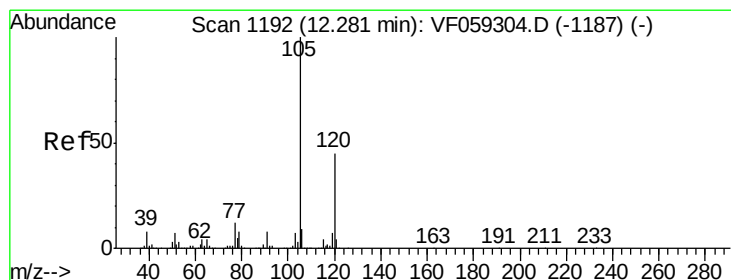
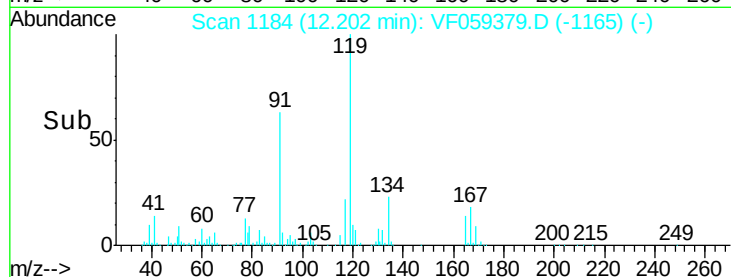
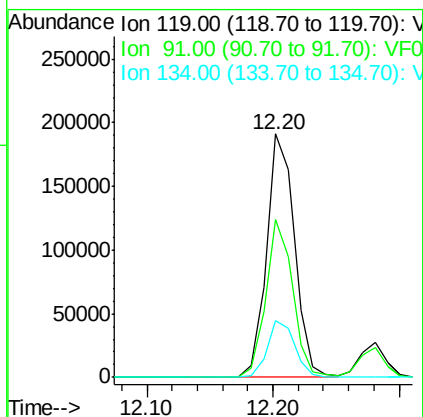
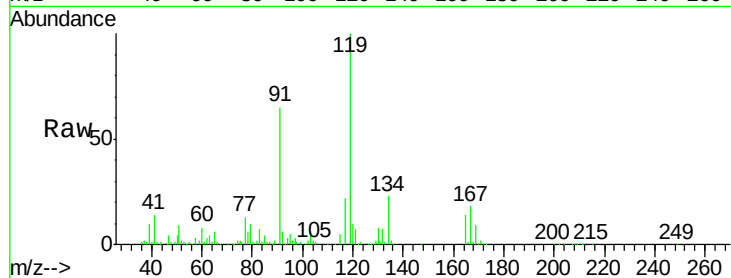




#83
 tert-Butylbenzene
 Concen: 21.447 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

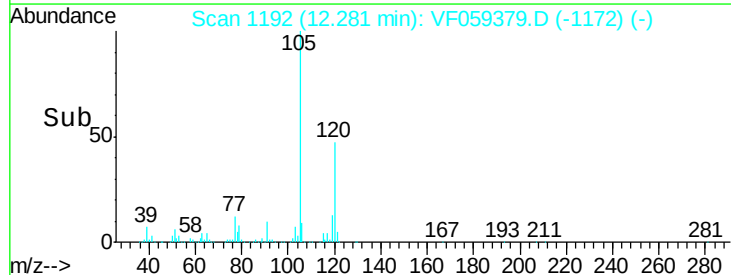
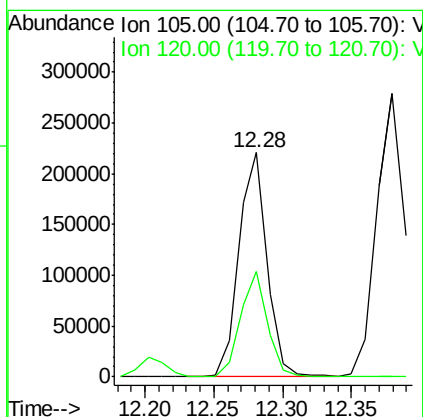
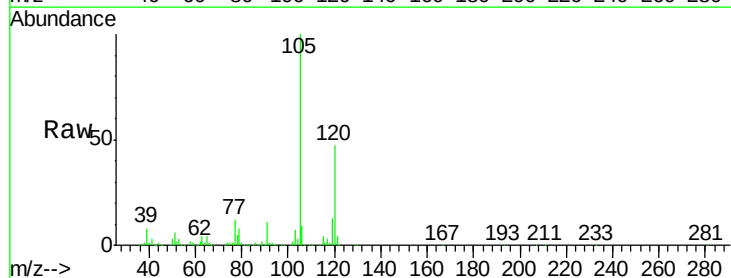
Instrument :
 MSVOA_F
 ClientSampleId :

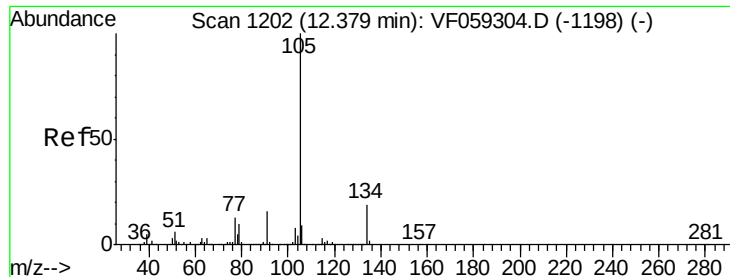
Tot Ion:119 Resp: 295793
 Ion Ratio Lower Upper
 119 100
 91 65.1 28.4 85.2
 134 23.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.525 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Tgt Ion:105 Resp: 312601
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.8 68.4

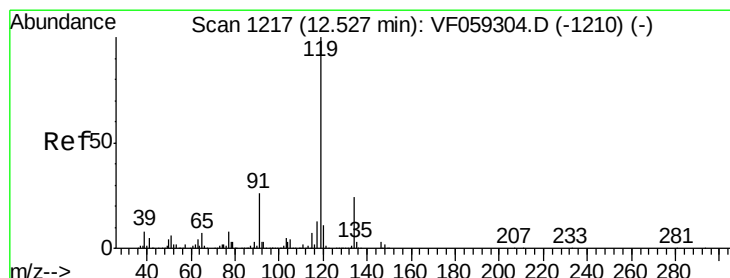
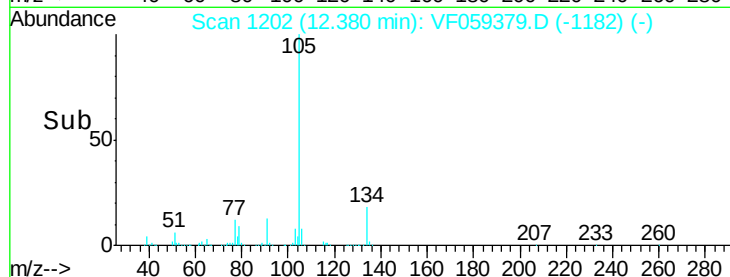
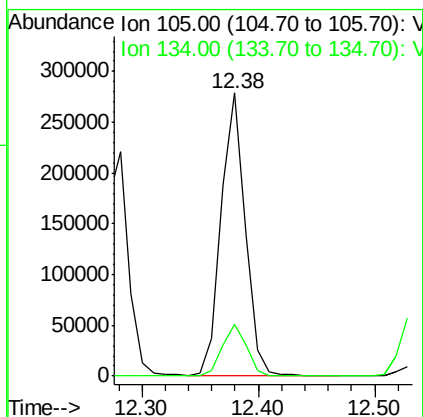
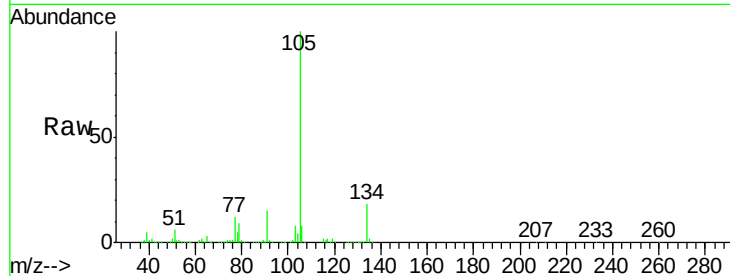




#85
 sec-Butylbenzene
 Concen: 21.939 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

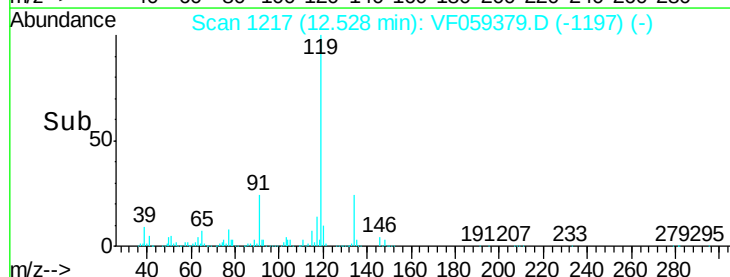
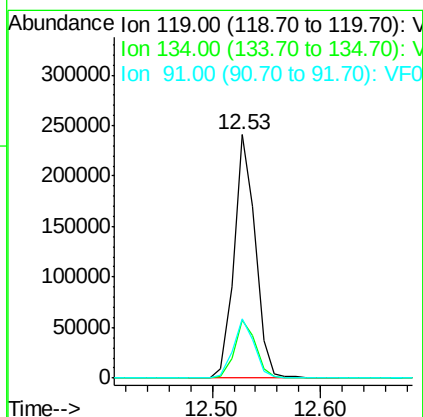
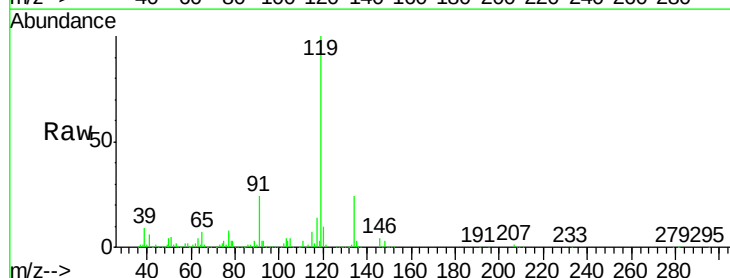
Instrument :
 MSVOA_F
 ClientSampled :

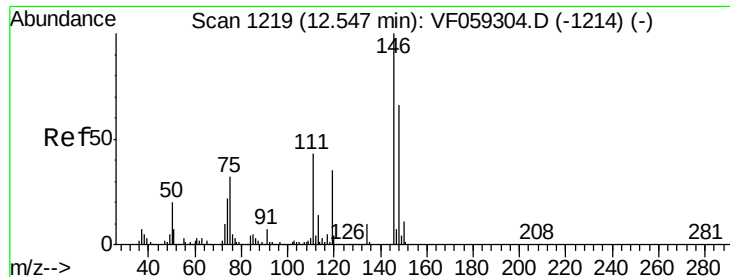
Tot Ion:105 Resp: 401076
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 21.540 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Tgt Ion:119 Resp: 330461
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.2 36.4
 91 24.5 12.9 38.6

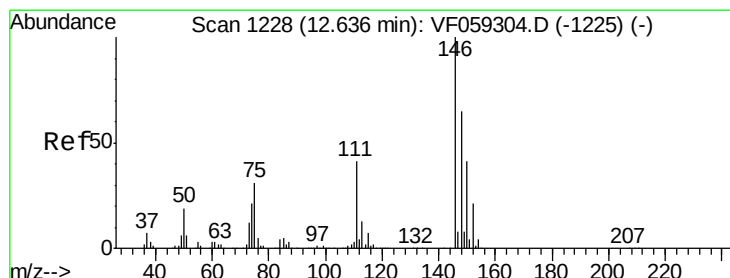
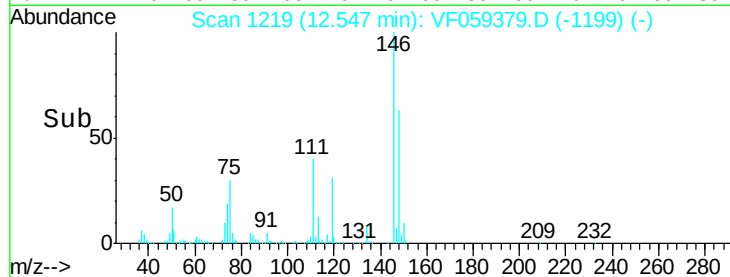
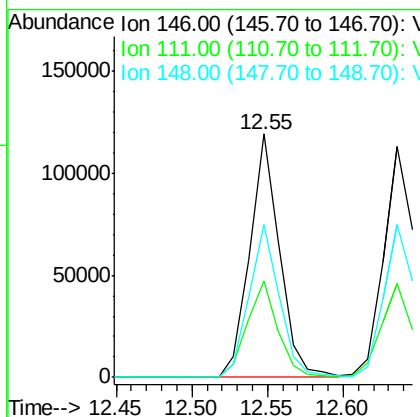
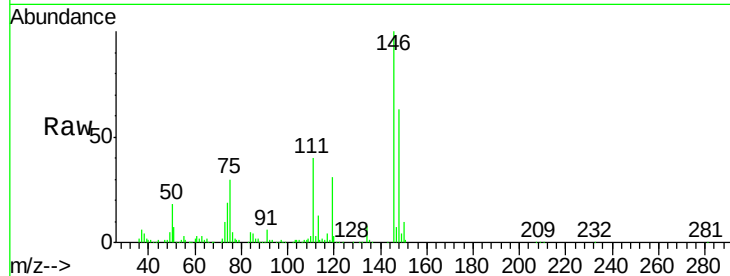




#87
 1,3-Dichlorobenzene
 Concen: 20.108 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

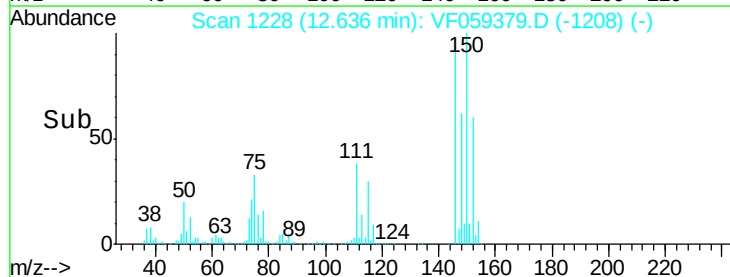
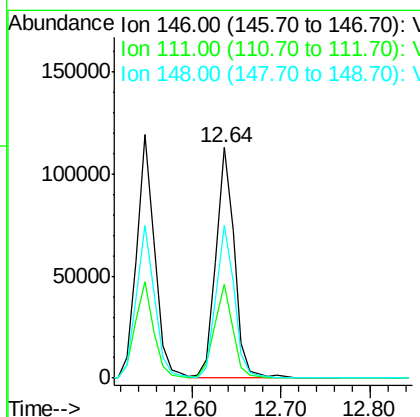
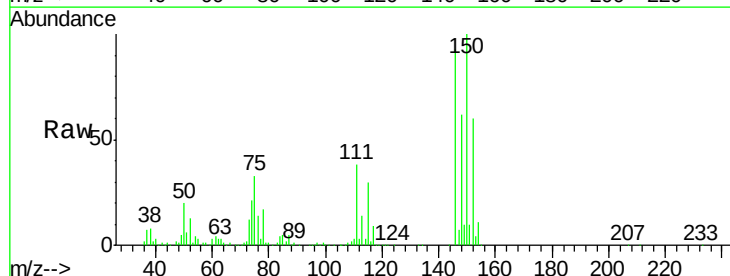
Instrument :
 MSVOA_F
 ClientSampleId :

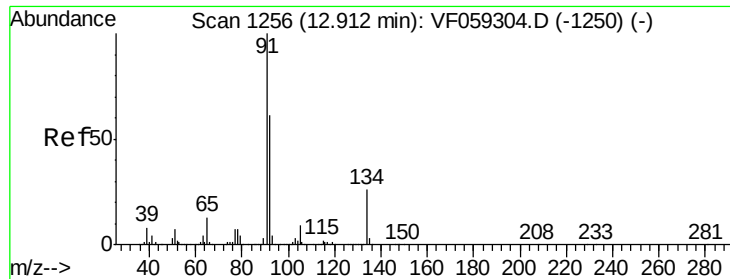
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.4	64.2
148	62.9	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.096 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	66.5	32.8	98.3





#89

n-Butylbenzene

Concen: 21.206 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampleId :

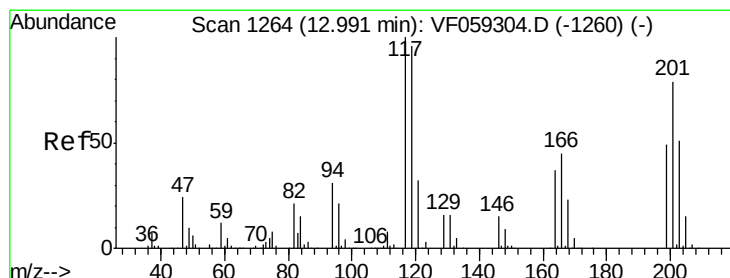
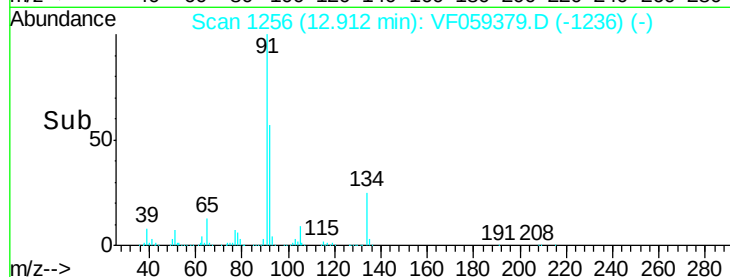
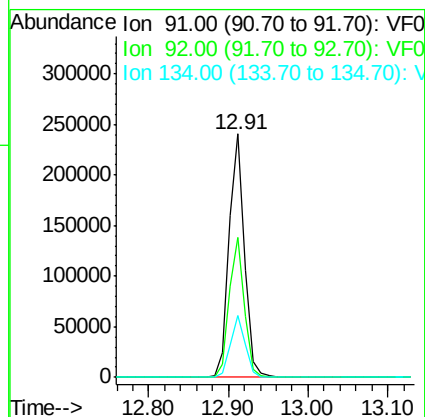
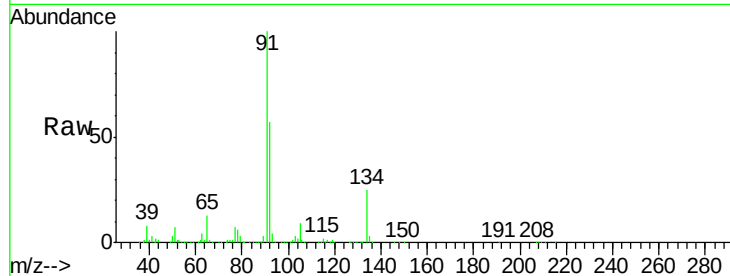
Tot Ion: 91 Resp: 330271

Ion Ratio Lower Upper

91 100

92 57.4 30.3 91.0

134 25.2 12.9 38.7



#90

Hexachloroethane

Concen: 20.813 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059379.D

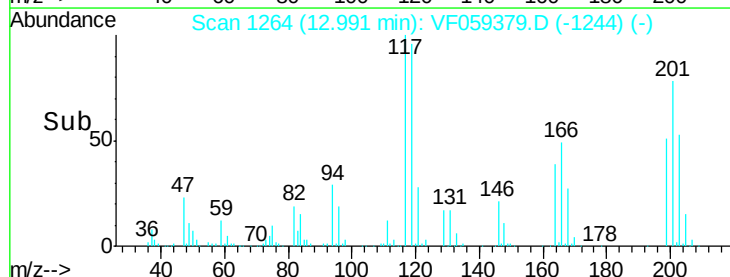
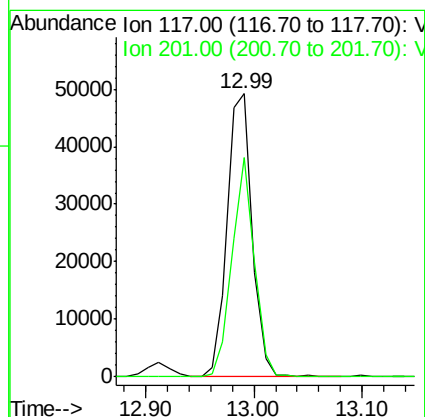
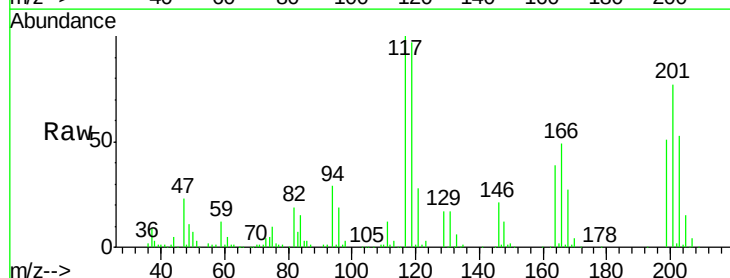
Acq: 29 Jun 2018 16:23

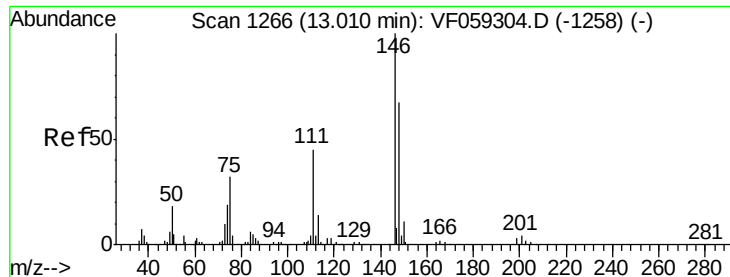
Tgt Ion: 117 Resp: 79583

Ion Ratio Lower Upper

117 100

201 77.5 39.5 118.5





#91

1,2-Dichlorobenzene

Concen: 21.102 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Instrument :

MSVOA_F

ClientSampled :

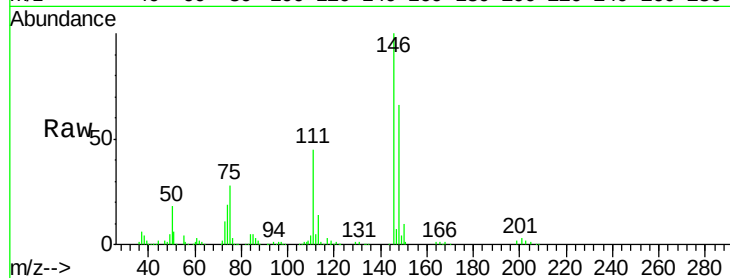
Tot Ion:146 Resp: 167316

Ion Ratio Lower Upper

146 100

111 45.3 22.7 68.0

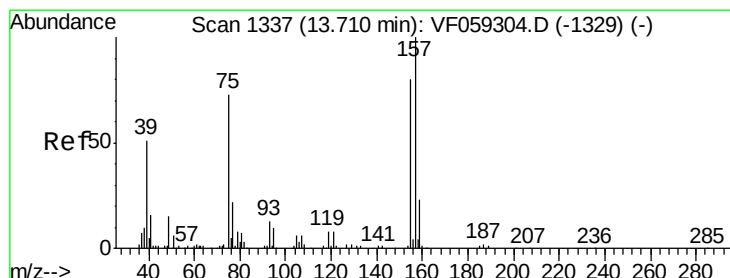
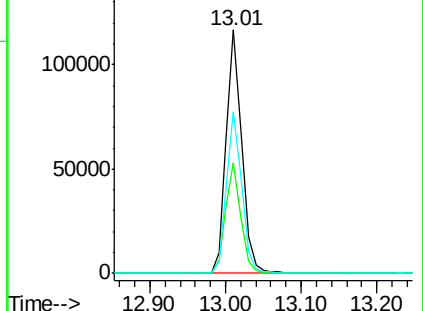
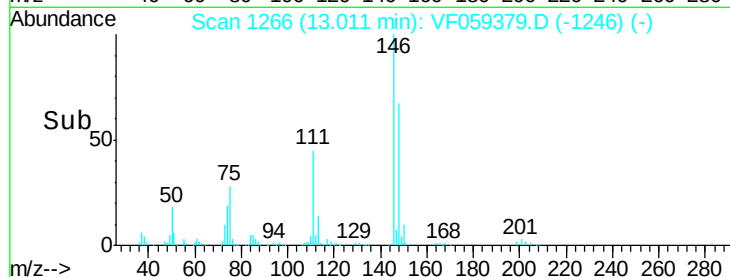
148 66.5 33.5 100.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.468 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

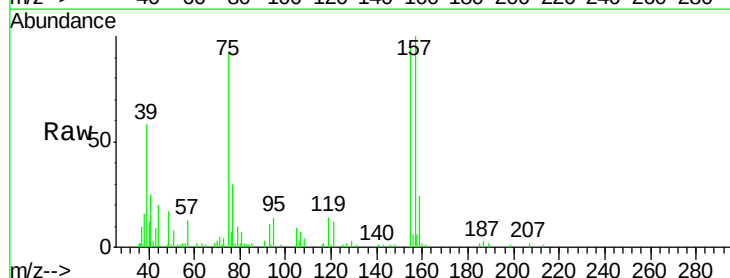
Tgt Ion: 75 Resp: 17157

Ion Ratio Lower Upper

75 100

155 103.2 54.6 163.8

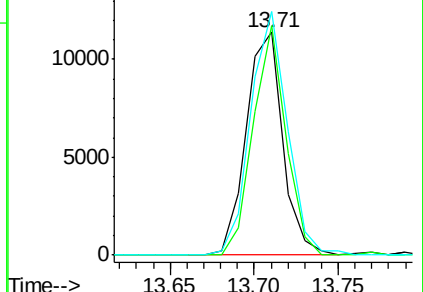
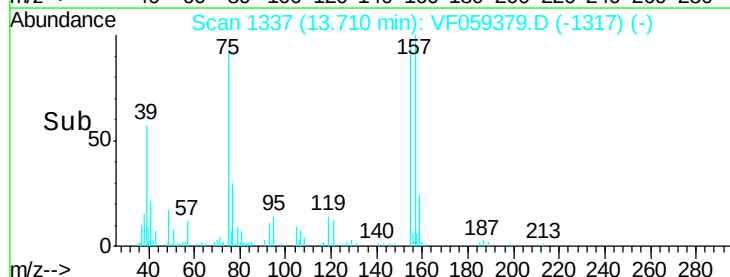
157 109.2 68.7 205.9

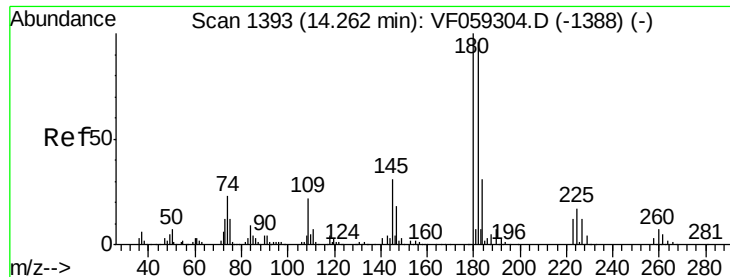


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

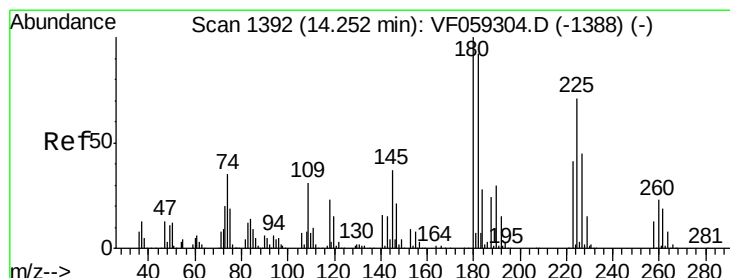
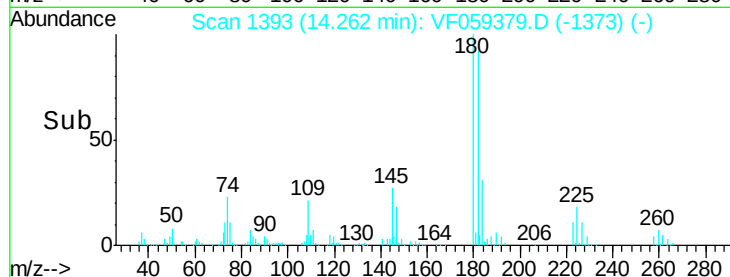
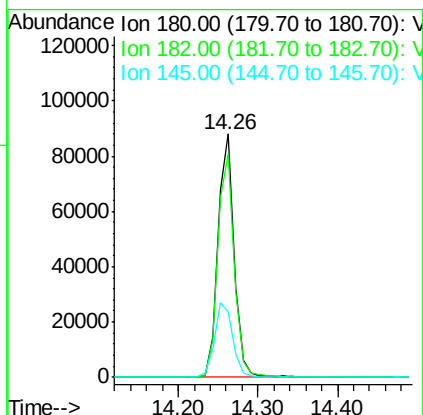
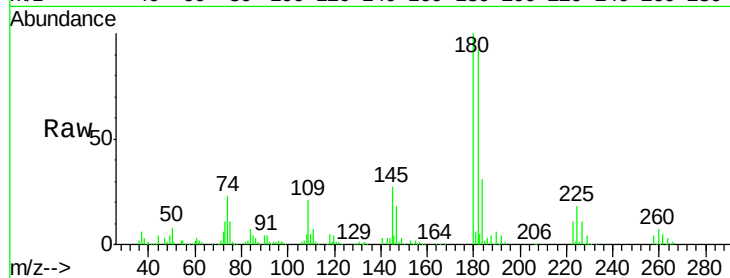




#93
 1,2,4-Trichlorobenzene
 Concen: 21.632 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

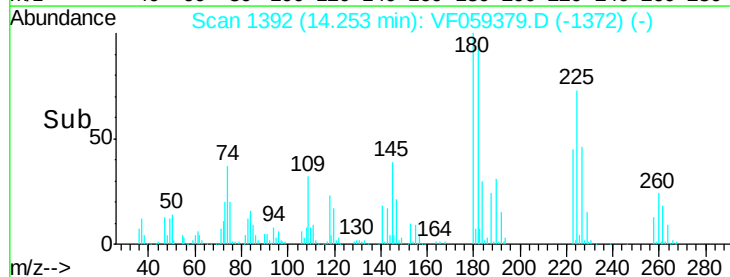
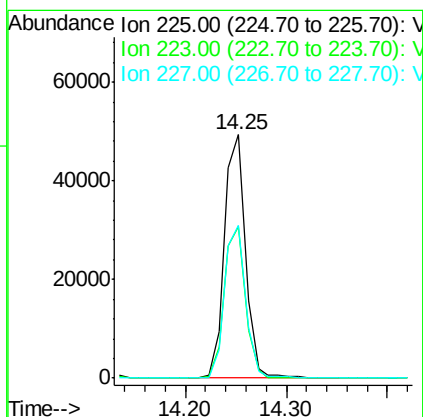
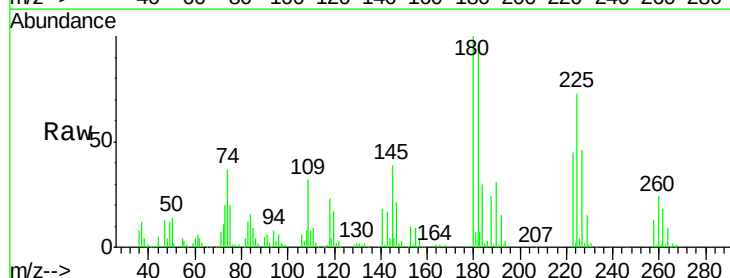
Instrument :
 MSVOA_F
 ClientSampleId :

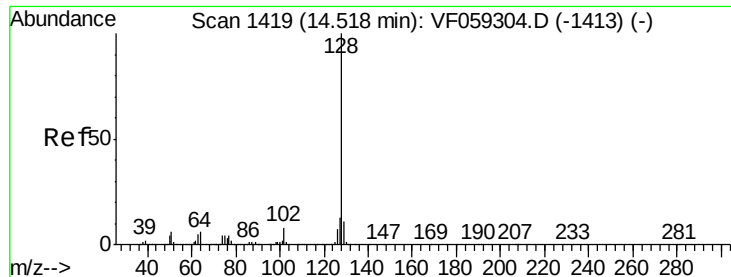
Tot Ion:180 Resp: 126818
 Ion Ratio Lower Upper
 180 100
 182 91.7 48.1 144.3
 145 26.9 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 21.988 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059379.D
 Acq: 29 Jun 2018 16:23

Tgt Ion:225 Resp: 72003
 Ion Ratio Lower Upper
 225 100
 223 62.1 28.9 86.8
 227 62.6 31.3 93.8





#95

Naphthalene

Concen: 20.847 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

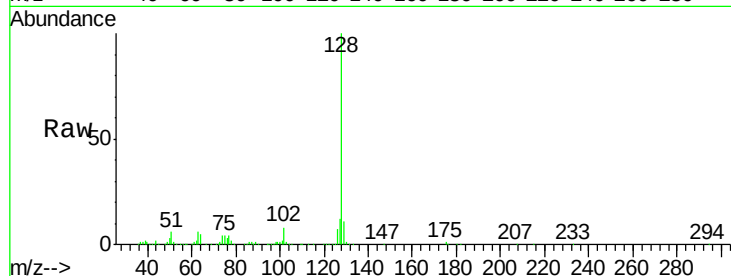
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 255713

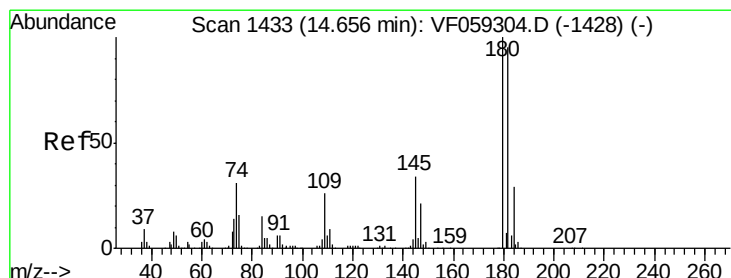
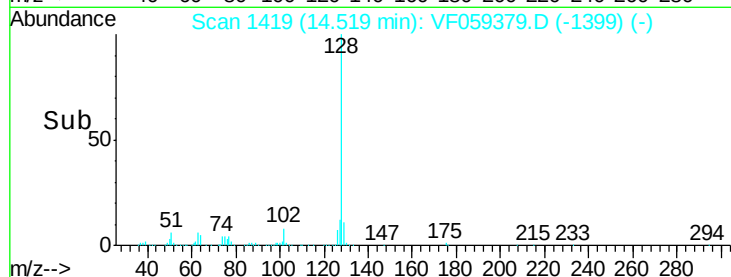
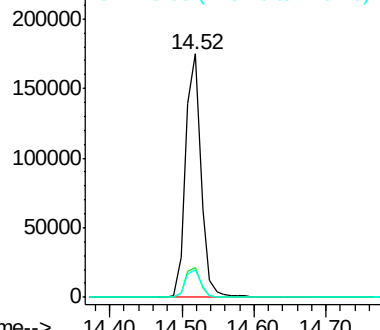
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.4	8.8	13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.116 ug/l

RT: 14.66 min Scan# 1433

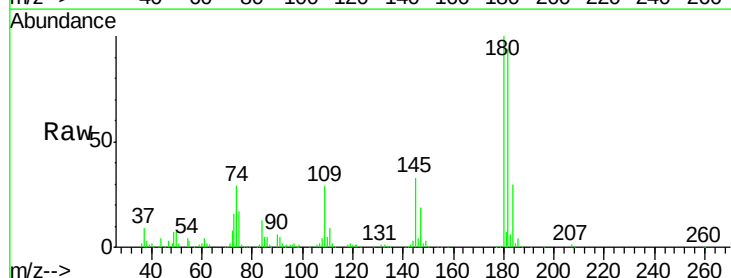
Delta R.T. 0.00 min

Lab File: VF059379.D

Acq: 29 Jun 2018 16:23

Tgt Ion:180 Resp: 117272

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.5
145	32.9	17.0	50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

