

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF080118\
 Data File : VF059755.D
 Acq On : 1 Aug 2018 15:11
 Operator : VA/AP
 Sample : J3825-19RE
 Misc : 6.48g/5mL/MSVOA_F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-073018-E

Quant Time: Aug 02 05:29:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	198192	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	273416	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	244956	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	134389	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	138199	38.80	ug/l	0.01
Spiked Amount	50.000		Recovery	=	77.60%	
35) Dibromofluoromethane	4.30	113	118475	41.72	ug/l	0.01
Spiked Amount	50.000		Recovery	=	83.44%	
50) Toluene-d8	7.71	98	225100	33.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.98%	
62) 4-Bromofluorobenzene	11.51	95	110505	30.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	60.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	62	Below Cal	#	44
3) Chloromethane	1.11	50	710	Below Cal	#	38
4) Vinyl Chloride	1.16	62	128	Below Cal	#	47
5) Bromomethane	1.34	94	145	Below Cal	#	4
6) Chloroethane	1.42	64	93	Below Cal	#	35
8) Diethyl Ether	1.70	74	2252	3.558	ug/l	51
10) Methyl Iodide	1.95	142	79	Below Cal	#	20
13) Acrolein	2.11	56	228	18.901	ug/l	82
16) Acetone	2.33	43	9882	15.424	ug/l	97
17) Carbon Disulfide	1.79	76	82	Below Cal	#	71
18) Methyl Acetate	2.48	43	1100	Below Cal	#	97
20) Methylene Chloride	2.26	84	4270	Below Cal	#	60
21) trans-1,2-Dichloroethene	2.43	96	96	Below Cal	#	1
28) Bromochloromethane	3.86	49	66	Below Cal	#	15
29) Tetrahydrofuran	4.26	42	361	1.314	ug/l	54
31) Cyclohexane	3.99	56	78	Below Cal	#	15
36) 1,1-Dichloropropene	4.45	75	449	Below Cal	#	46
37) Ethyl Acetate	4.28	43	363	Below Cal	#	55
39) Methylcyclohexane	5.76	83	5093	Below Cal	#	35
41) Methacrylonitrile	4.92	41	80	Below Cal	#	1
44) Trichloroethene	5.66	130	72	Below Cal	#	2
49) 1,4-Dioxane	6.89	88	61	Below Cal	#	21
52) Toluene	7.78	92	266	Below Cal	#	19
68) m/p-Xylenes	10.28	106	153	Below Cal	#	50
78) n-propylbenzene	11.69	91	413	Below Cal	#	1
79) 2-Chlorotoluene	11.83	91	255	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.92	105	317	Below Cal	#	94
82) 4-Chlorotoluene	11.98	91	447	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.29	105	396	Below Cal	#	97
85) sec-Butylbenzene	12.38	105	480	Below Cal	#	57
86) p-Isopropyltoluene	12.55	119	406	Below Cal	#	49
87) 1,3-Dichlorobenzene	12.55	146	173	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.64	146	361	Below Cal	#	1
89) n-Butylbenzene	12.92	91	681	Below Cal	#	66

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QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

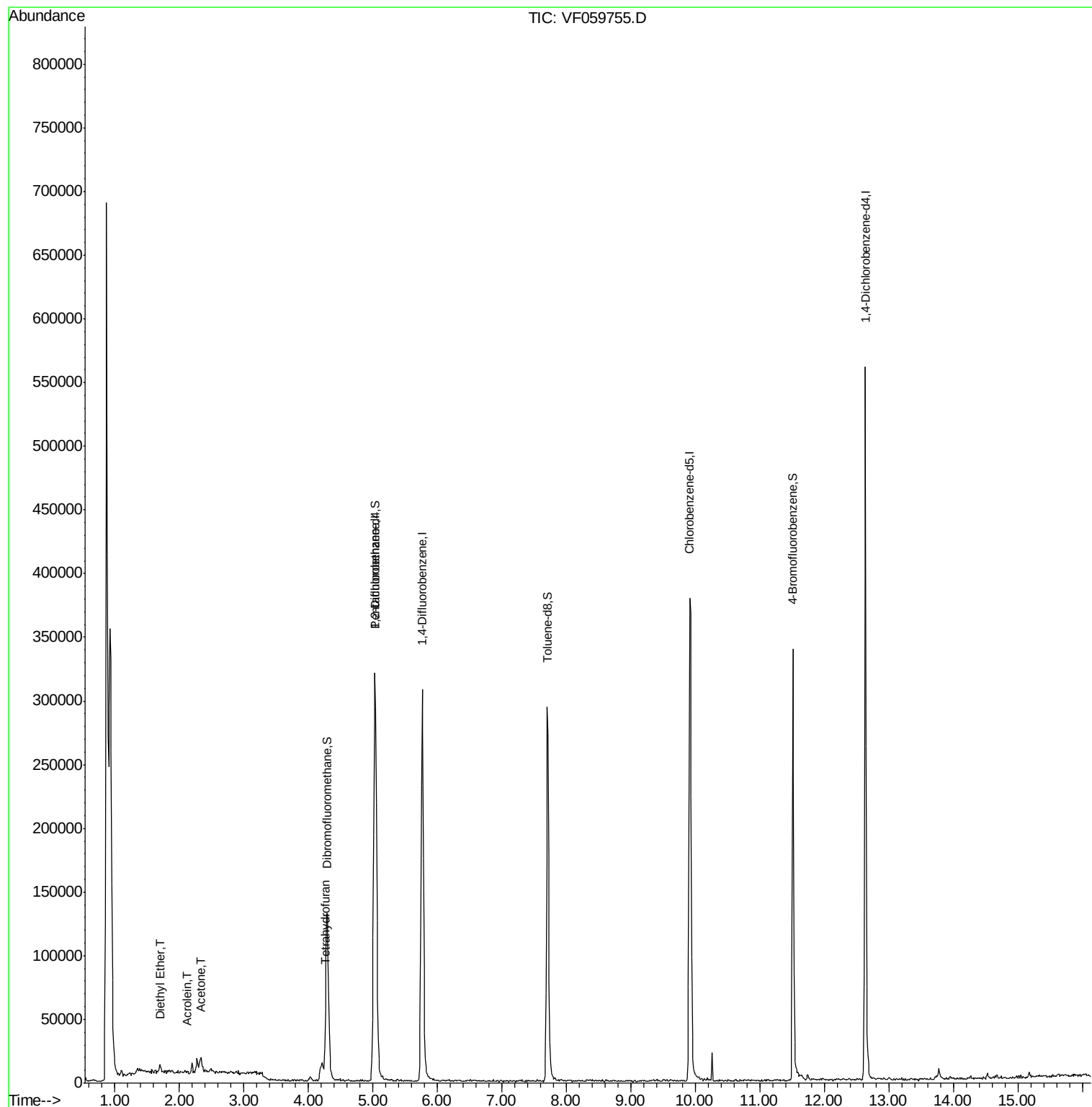
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.03	146	281	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.27	180	629	Below Cal	#	54

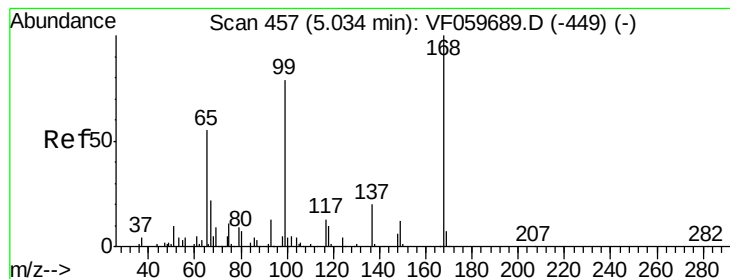
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

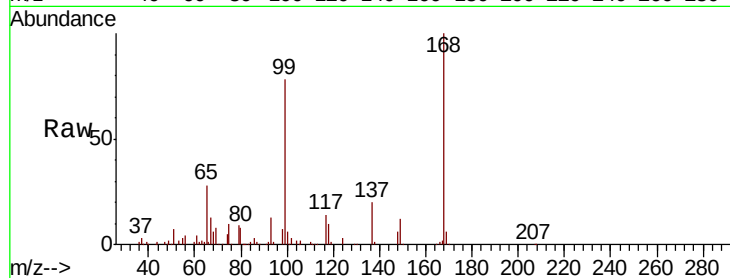
CL-01-073018-E

Tgt Ion: 168 Resp: 198192

Ion Ratio Lower Upper

168 100

99 77.7 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

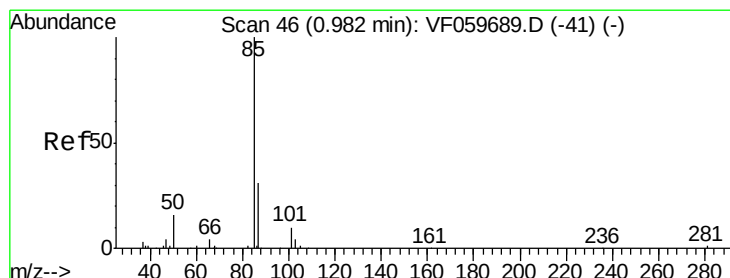
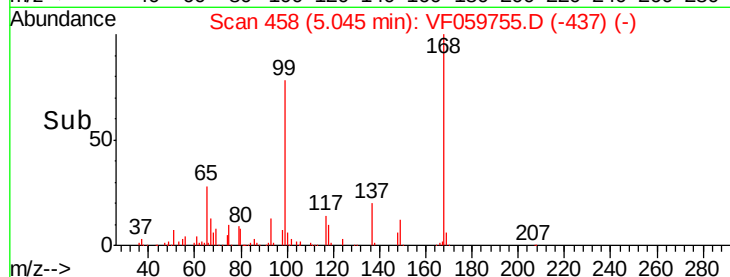
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059755.D

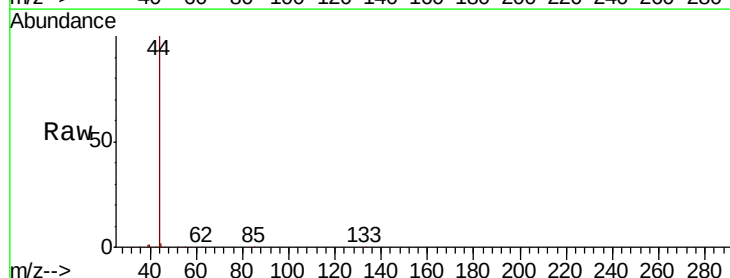
Acq: 1 Aug 2018 15:11

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

120

100

80

60

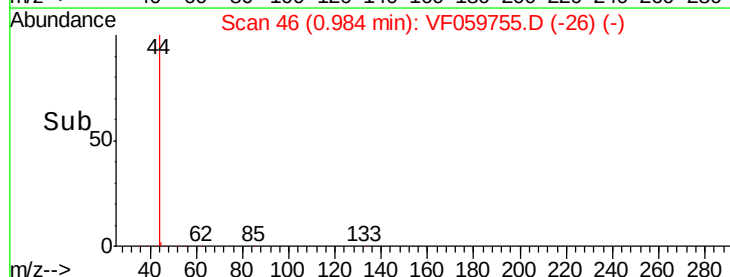
40

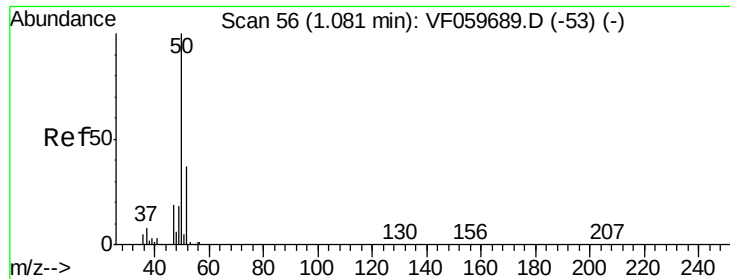
20

0

Time-->

0.96 0.98 1.00





#3

Chloromethane

Concen: Below Cal

RT: 1.11 min Scan# 59

Delta R.T. 0.03 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

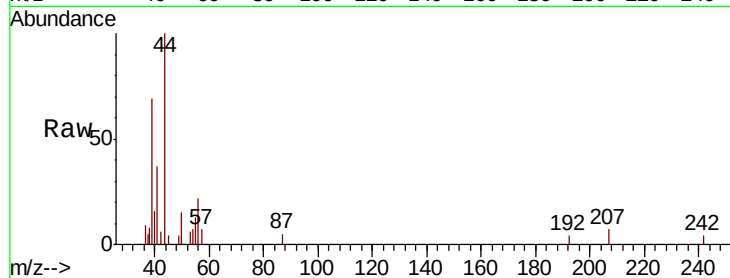
CL-01-073018-E

Tgt Ion: 50 Resp: 710

Ion Ratio Lower Upper

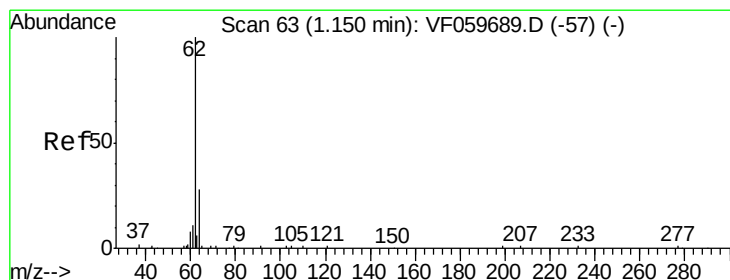
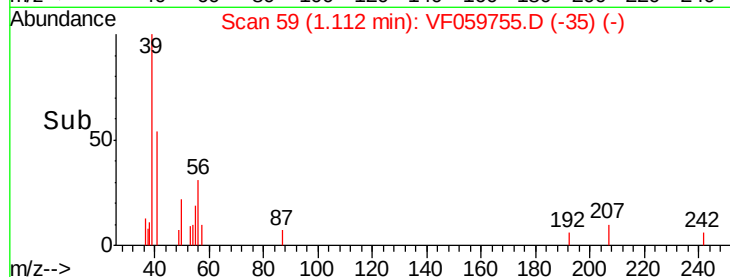
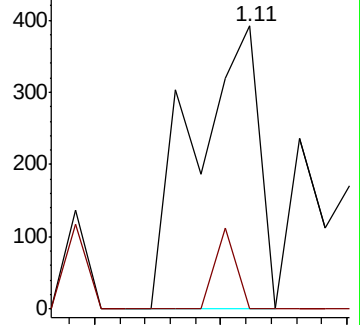
50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.16 min Scan# 64

Delta R.T. 0.01 min

Lab File: VF059755.D

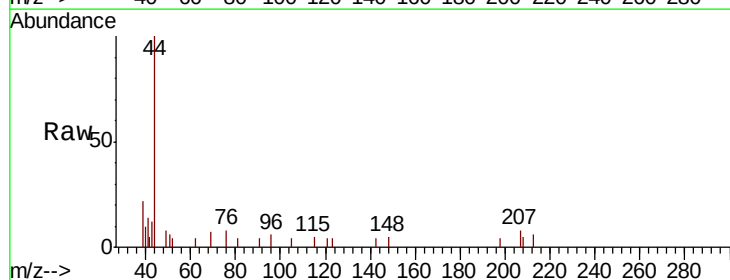
Acq: 1 Aug 2018 15:11

Tgt Ion: 62 Resp: 128

Ion Ratio Lower Upper

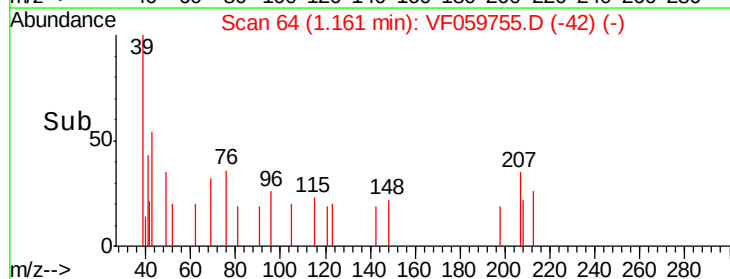
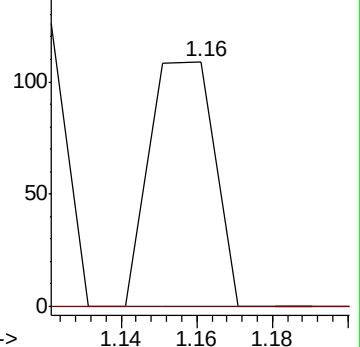
62 100

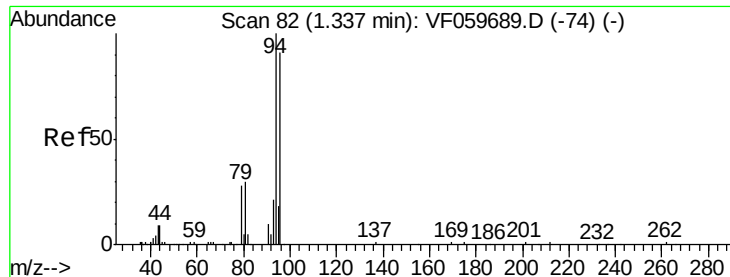
64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

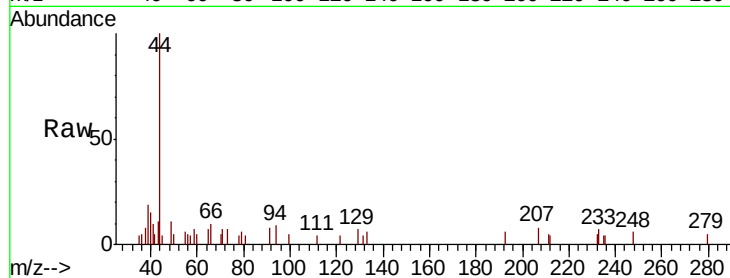
CL-01-073018-E

Tgt Ion: 94 Resp: 145

Ion Ratio Lower Upper

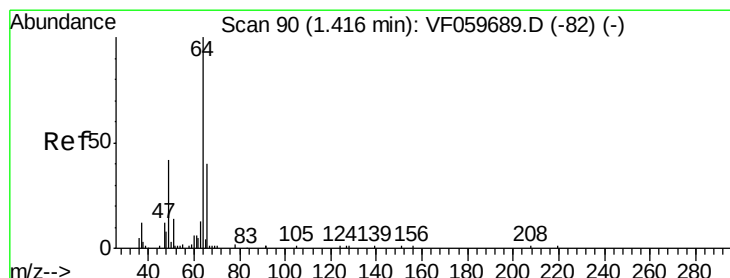
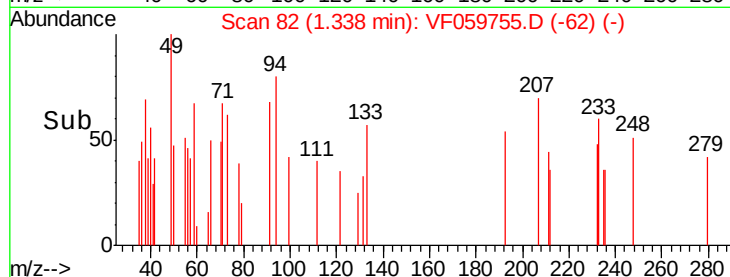
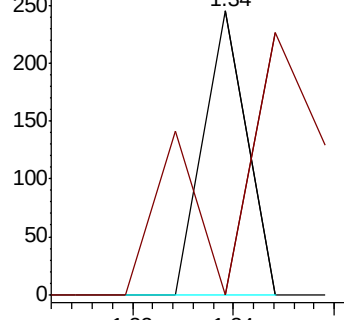
94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059755.D

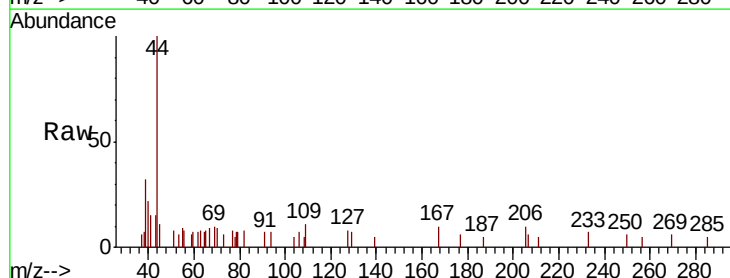
Acq: 1 Aug 2018 15:11

Tgt Ion: 64 Resp: 93

Ion Ratio Lower Upper

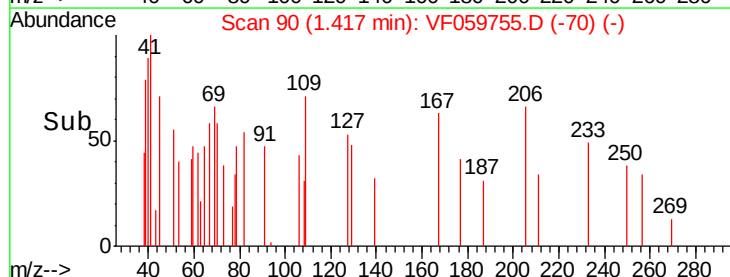
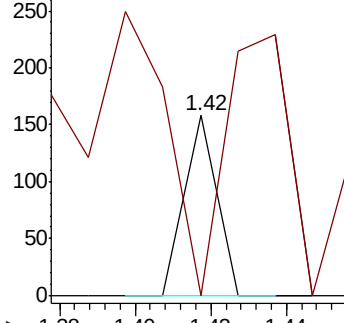
64 100

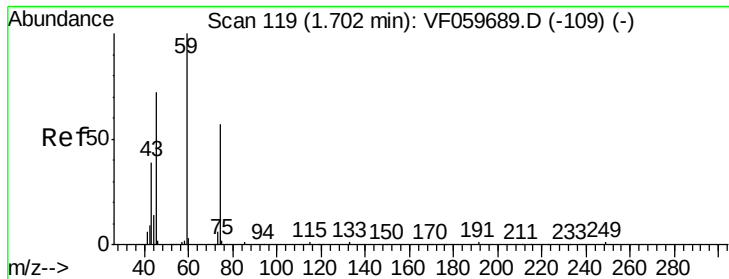
66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#8

Diethyl Ether

Concen: 3.558 ug/l

RT: 1.70 min Scan# 119

Delta R.T. 0.00 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

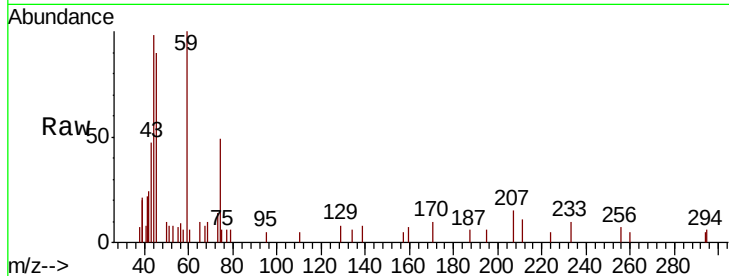
CL-01-073018-E

Tgt Ion: 74 Resp: 2252

Ion Ratio Lower Upper

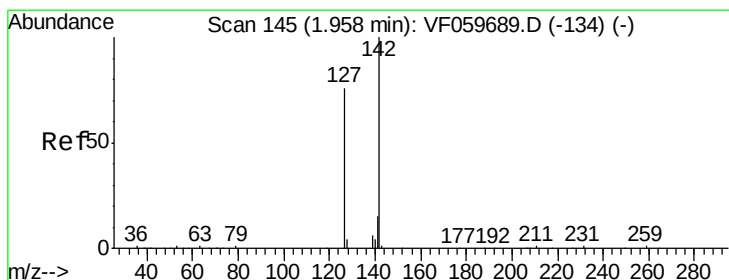
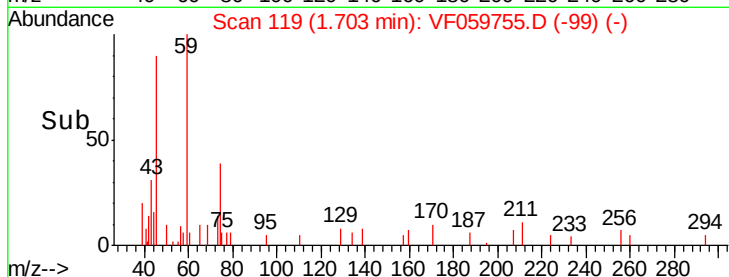
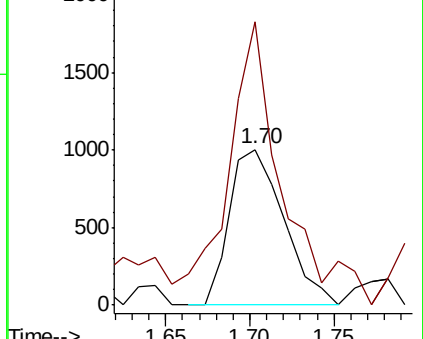
74 100

45 181.9 62.7 188.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#10

Methyl Iodide

Concen: Below Cal

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

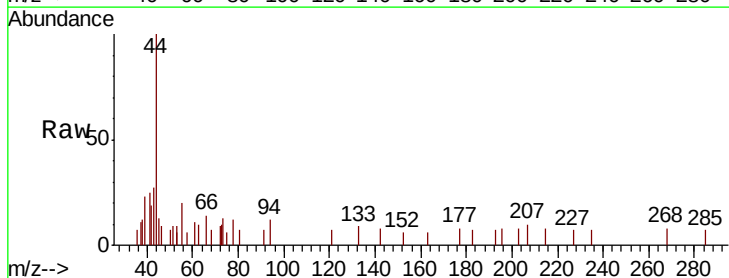
Tgt Ion: 142 Resp: 79

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

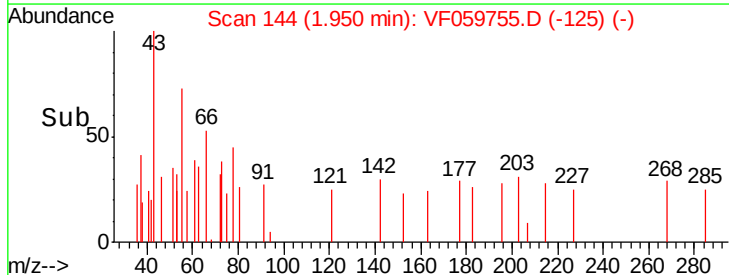
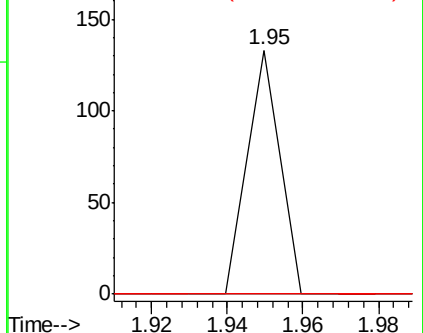
141 0.0 12.0 18.0#

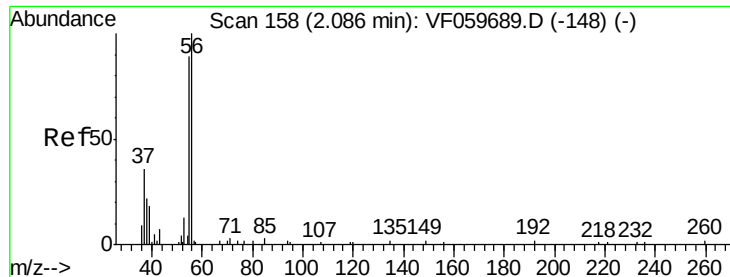


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

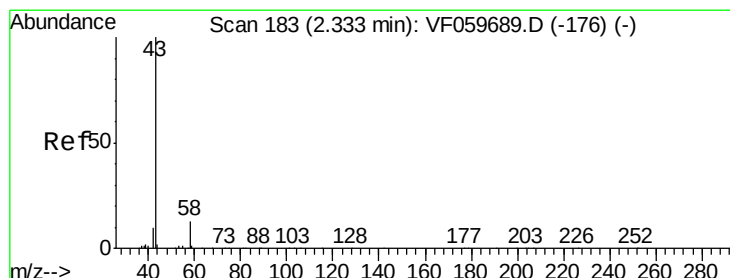
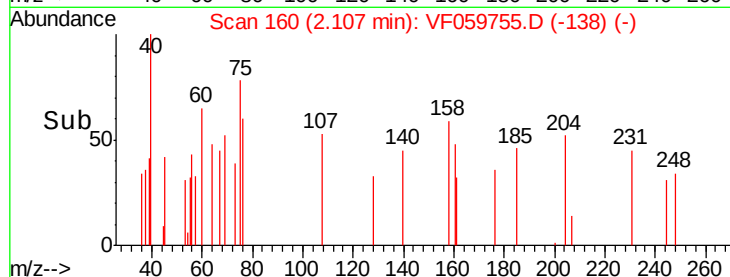
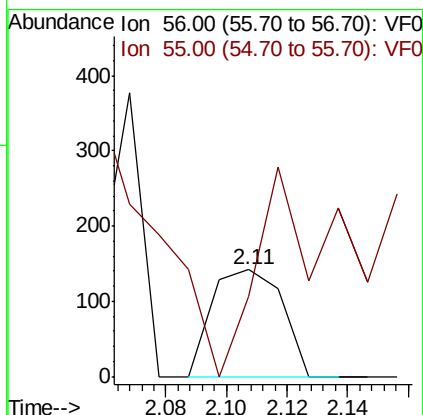
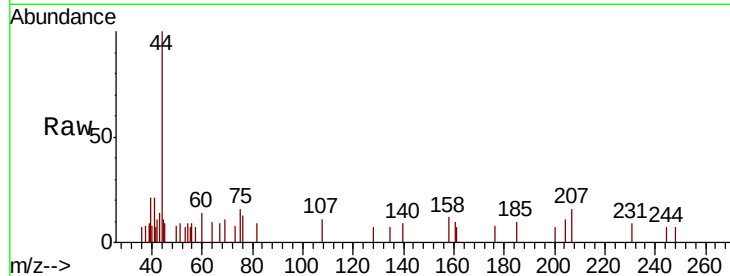




#13
Acrolein
Concen: 18.901 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.02 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

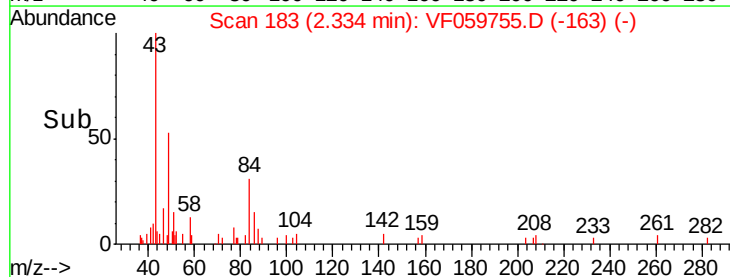
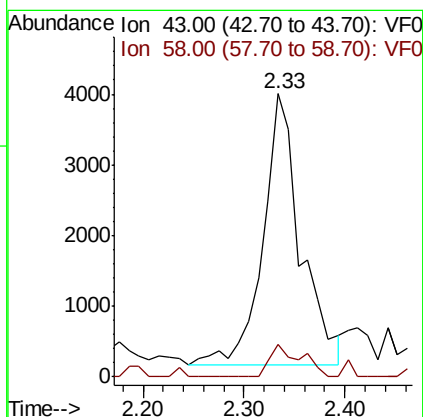
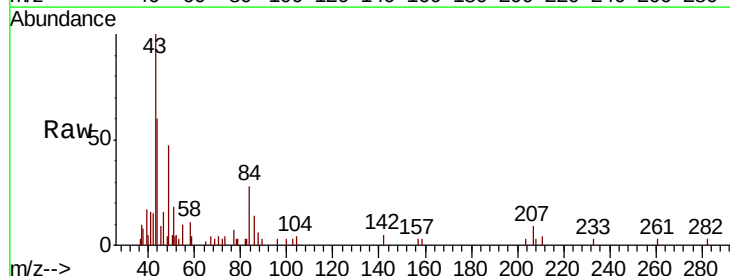
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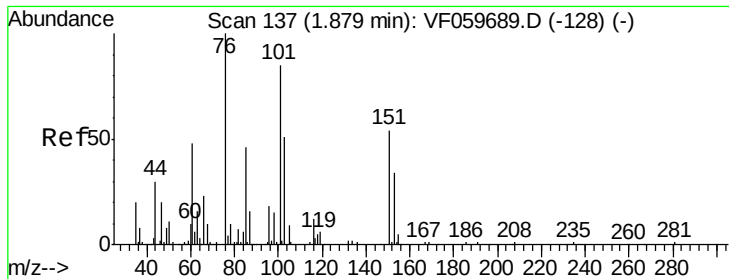
Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 74.6 73.2 109.8



#16
Acetone
Concen: 15.424 ug/l
RT: 2.33 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Tgt Ion: 43 Resp: 9882
Ion Ratio Lower Upper
43 100
58 11.5 10.1 15.1

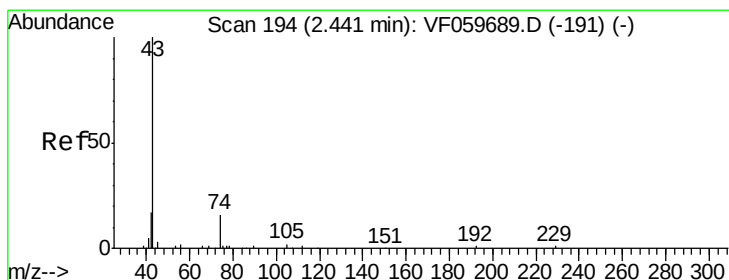
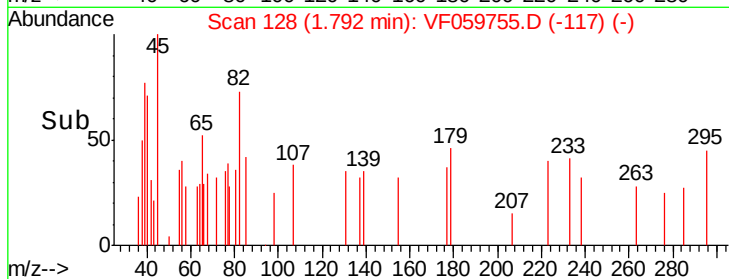
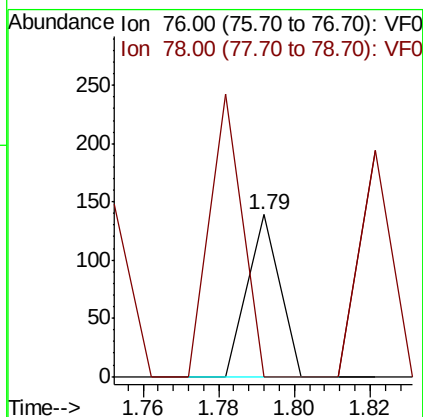
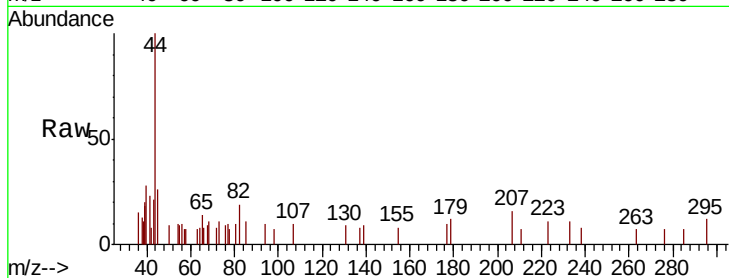




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.79 min Scan# 128
Delta R.T. -0.09 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

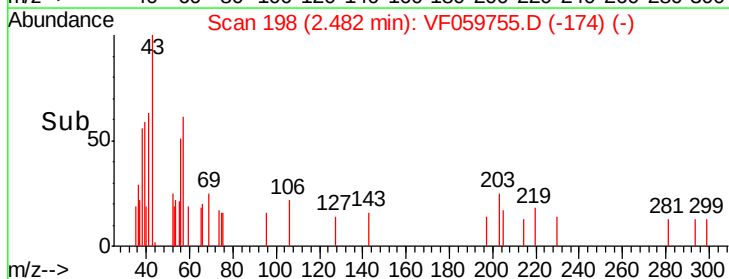
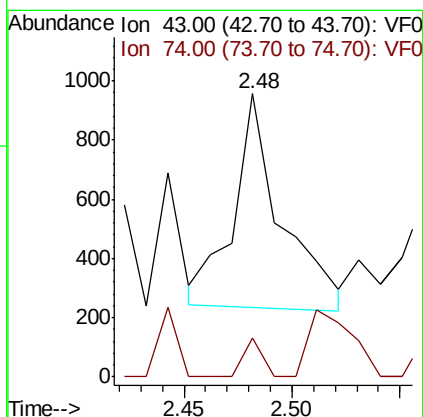
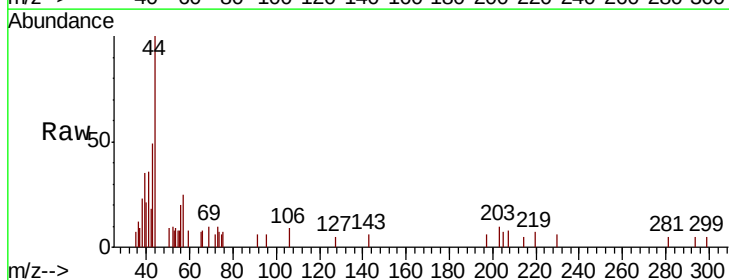
Instrument :
MSVOA_F
ClientSampleId :
CL-01-073018-E

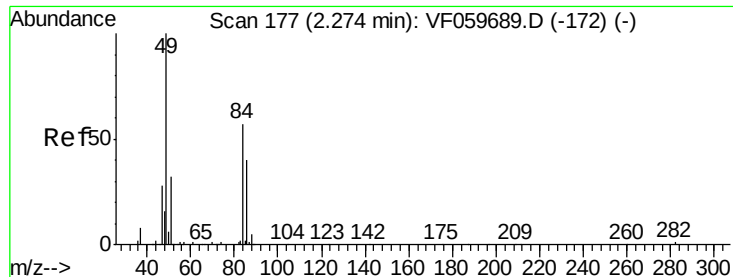
Tgt Ion: 76 Resp: 82
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
74 13.6 11.8 17.6

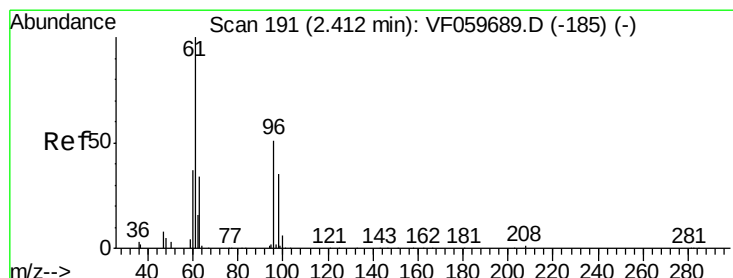
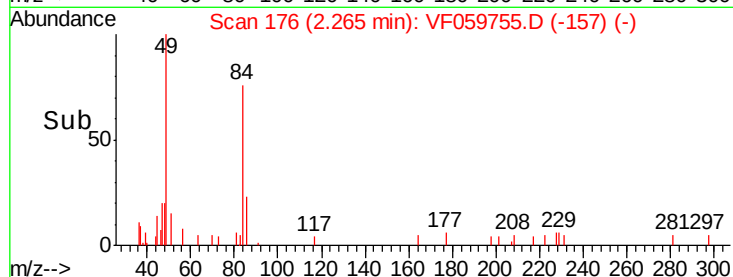
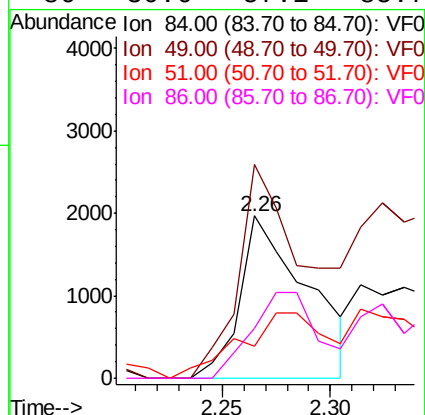
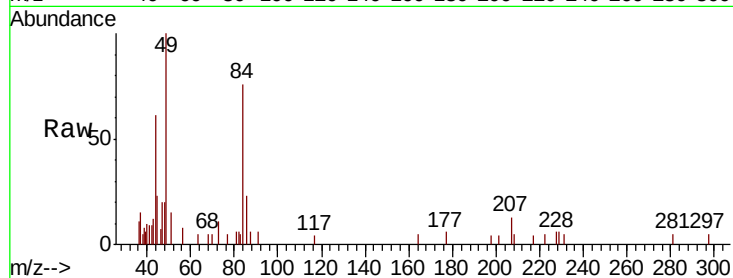




#20
Methylene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

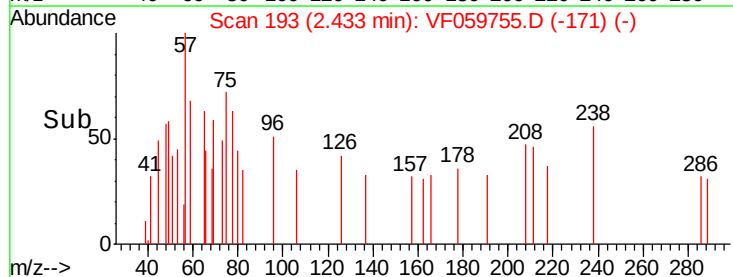
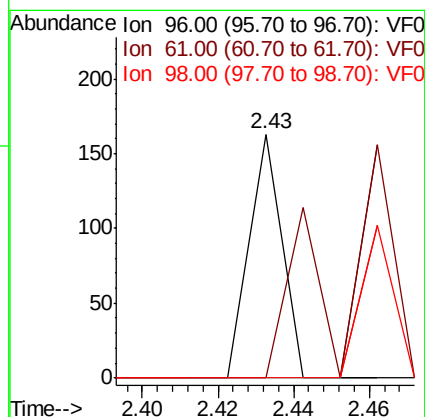
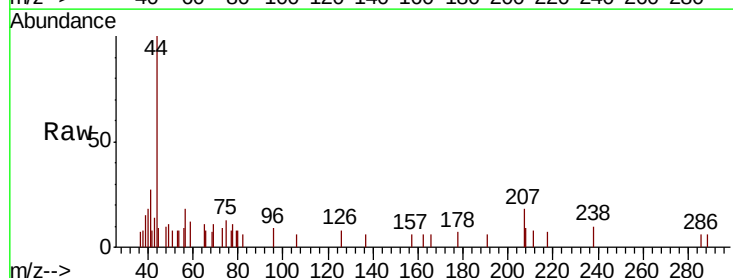
Instrument :
MSVOA_F
ClientSampleId :
CL-01-073018-E

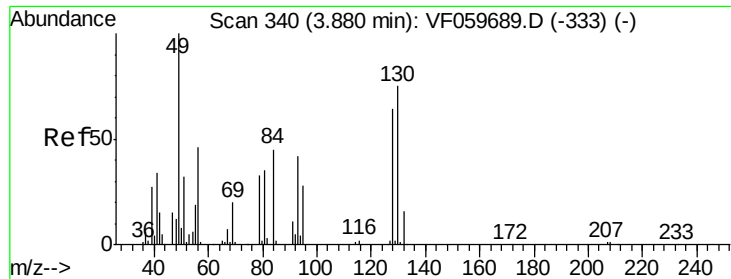
Tgt Ion: 84 Resp: 4270
Ion Ratio Lower Upper
84 100
49 131.5 142.2 213.4#
51 20.1 46.2 69.2#
86 30.6 57.1 85.7#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.43 min Scan# 193
Delta R.T. 0.02 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Tgt Ion: 96 Resp: 96
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.0#
98 0.0 55.0 82.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 3.86 min Scan# 338

Delta R.T. -0.02 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

CL-01-073018-E

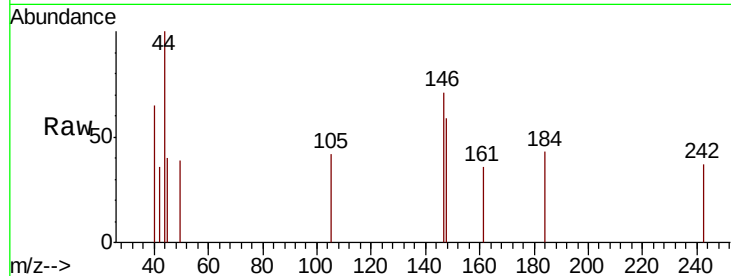
Tgt Ion: 49 Resp: 66

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

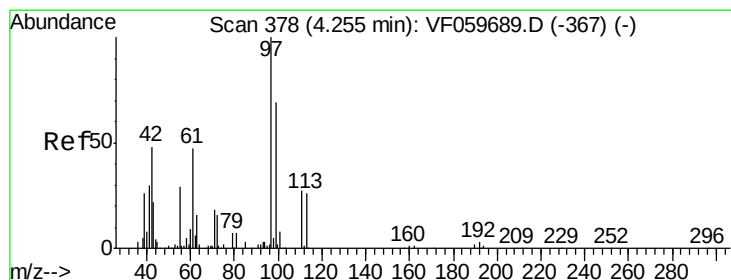
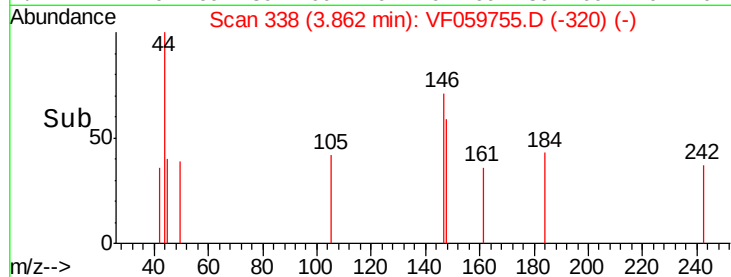
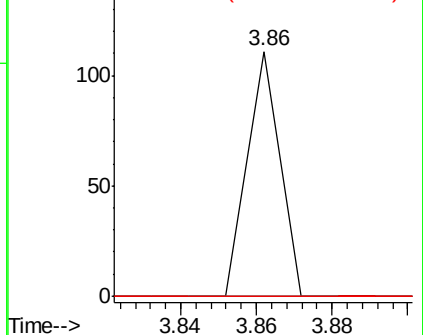
130 0.0 59.6 89.4#



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: 1.314 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

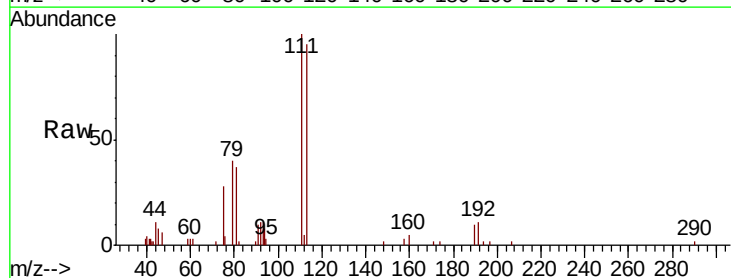
Tgt Ion: 42 Resp: 361

Ion Ratio Lower Upper

42 100

72 17.5 27.0 40.6#

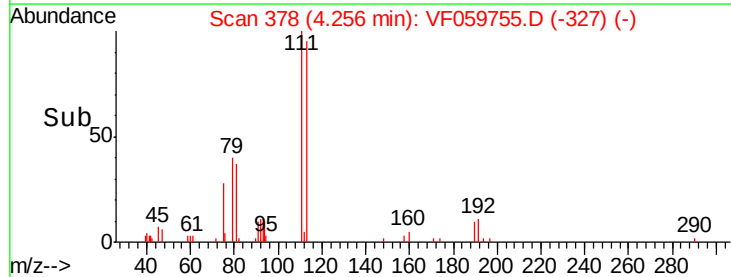
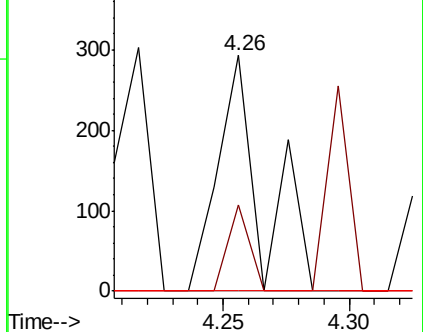
71 0.0 29.7 44.5#

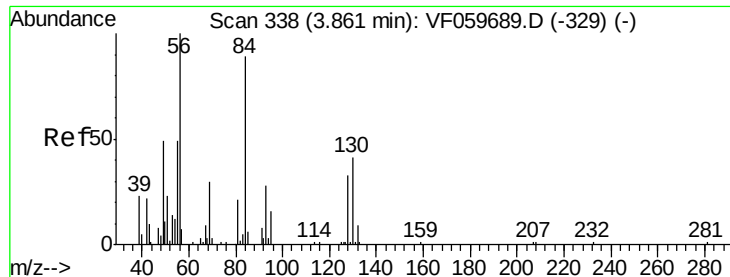


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

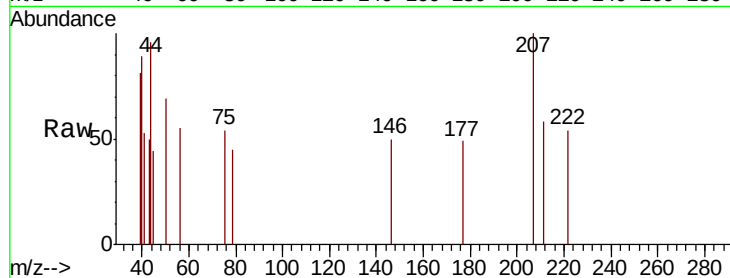




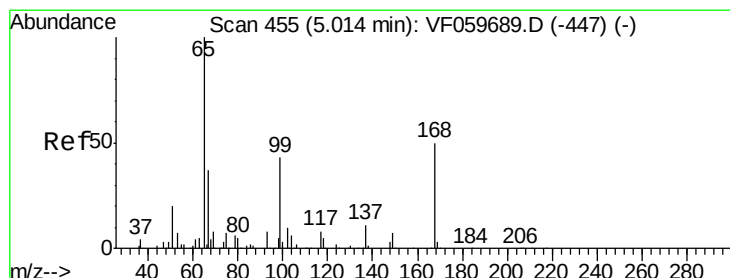
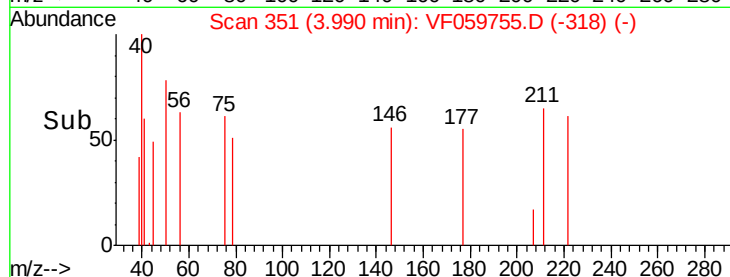
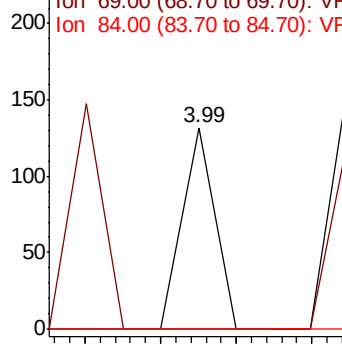
#31
Cyclohexane
Concen: Below Cal
RT: 3.99 min Scan# 351
Delta R.T. 0.13 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Instrument :
MSVOA_F
ClientSampleId :
CL-01-073018-E

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

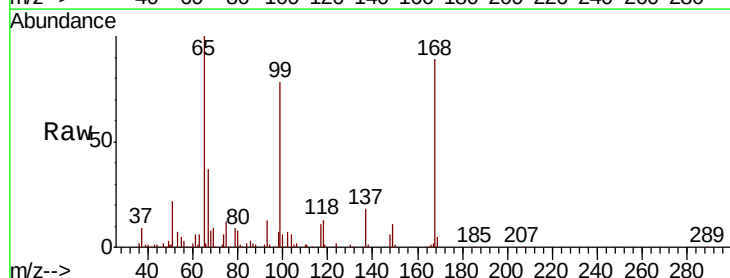


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

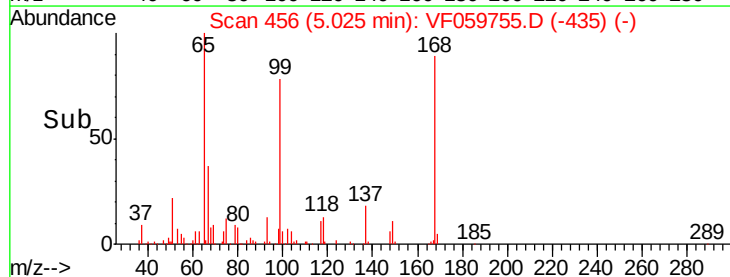
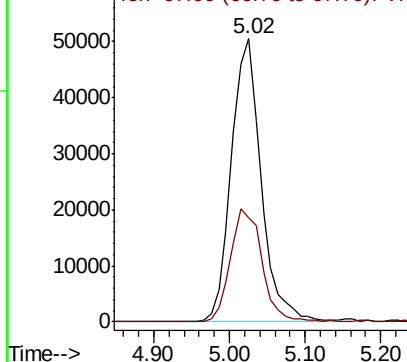


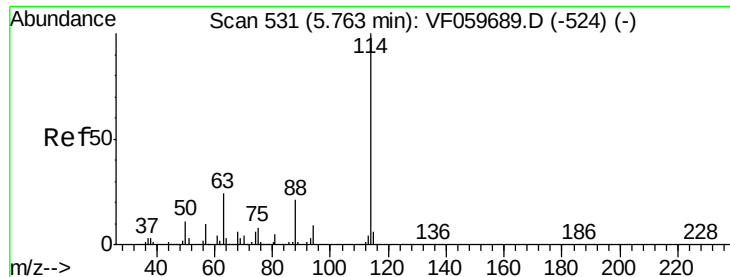
#33
1,2-Dichloroethane-d4
Concen: 38.799 ug/l
RT: 5.02 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Tgt Ion: 65 Resp: 138199
Ion Ratio Lower Upper
65 100
67 37.0 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

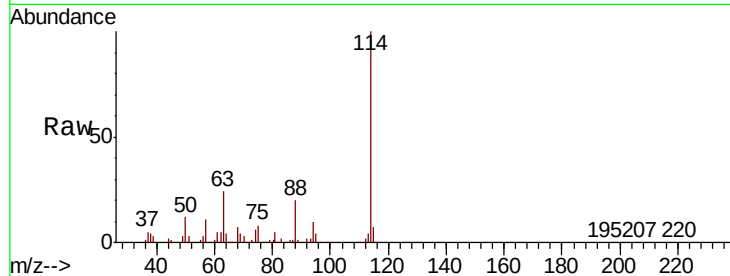




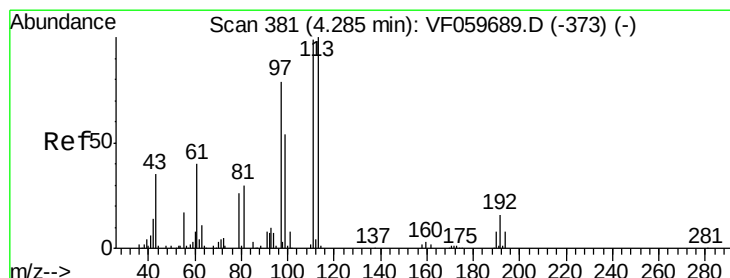
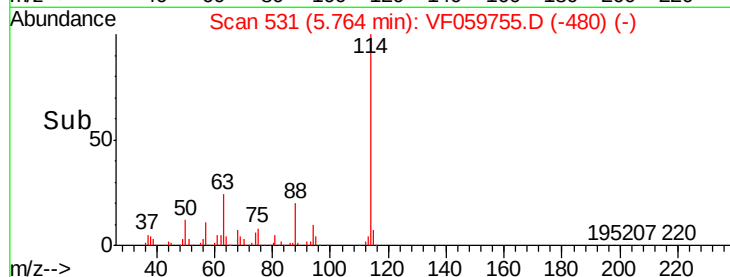
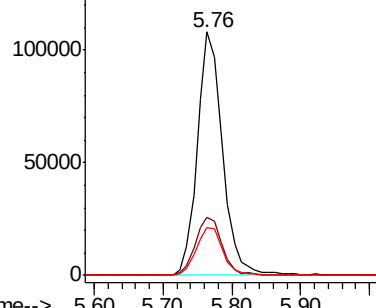
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059755.D
 Acq: 1 Aug 2018 15:11

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-073018-E

Tgt Ion:	114	Resp:	273416
Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	47.4
88	19.8	0.0	41.2

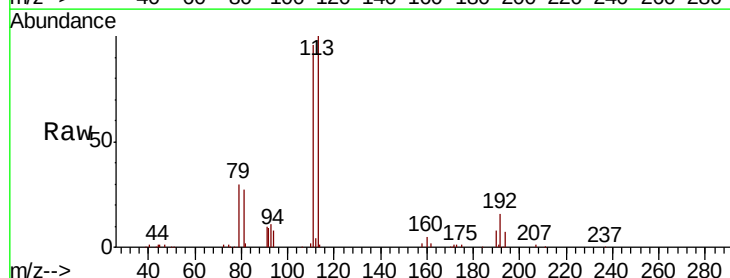


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

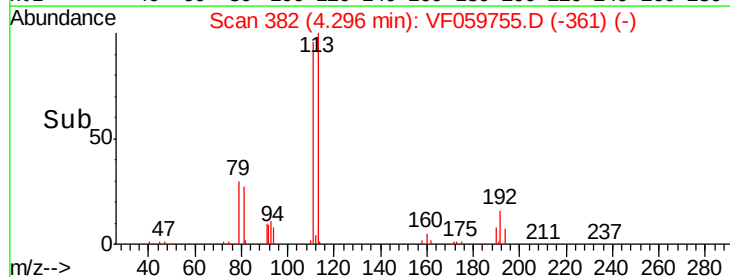
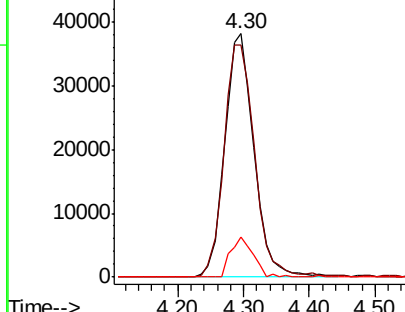


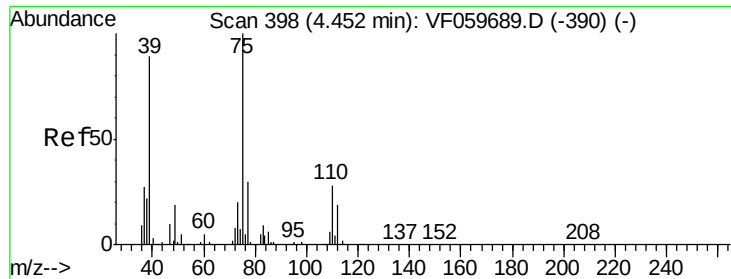
#35
 Dibromofluoromethane
 Concen: 41.719 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VF059755.D
 Acq: 1 Aug 2018 15:11

Tgt Ion:	113	Resp:	118475
Ion	Ratio	Lower	Upper
113	100		
111	95.5	79.0	118.4
192	16.5	13.2	19.8



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

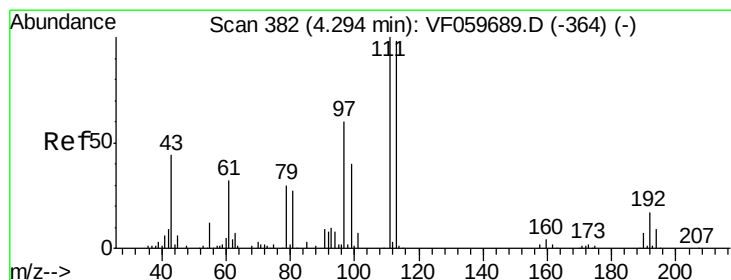
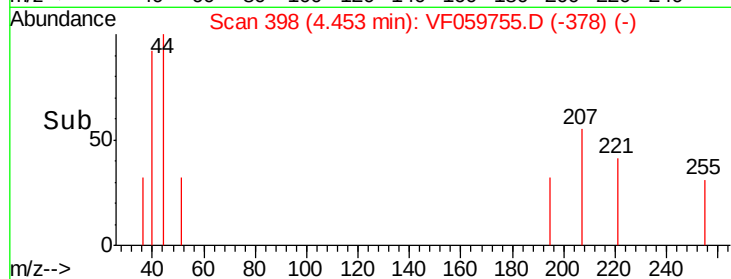
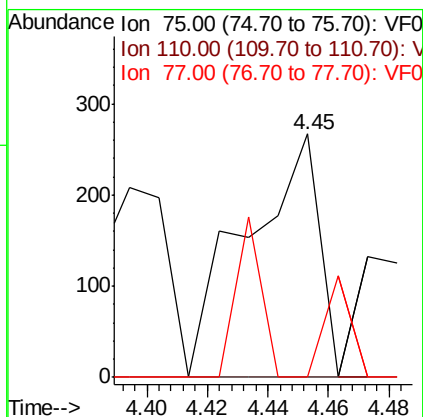
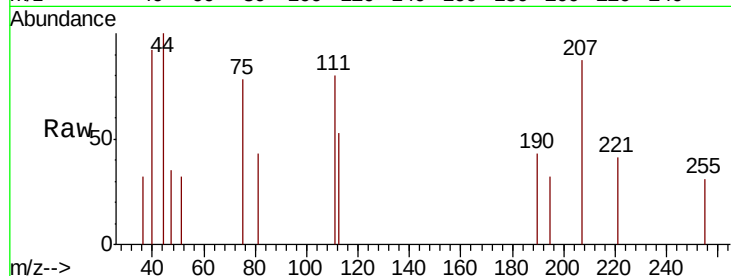




#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059755.D
 Acq: 1 Aug 2018 15:11

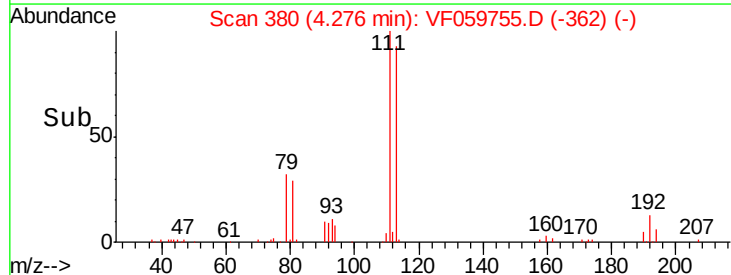
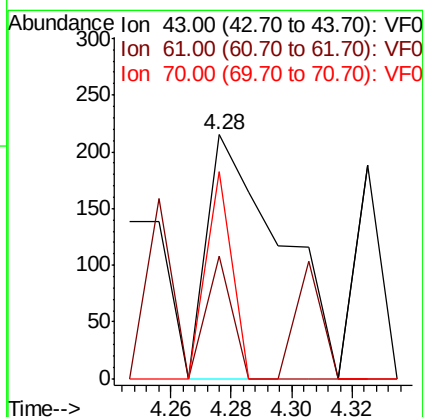
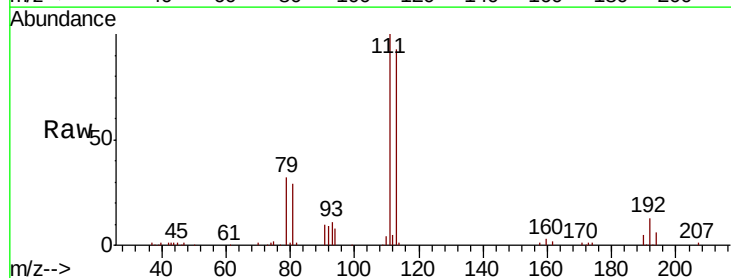
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-073018-E

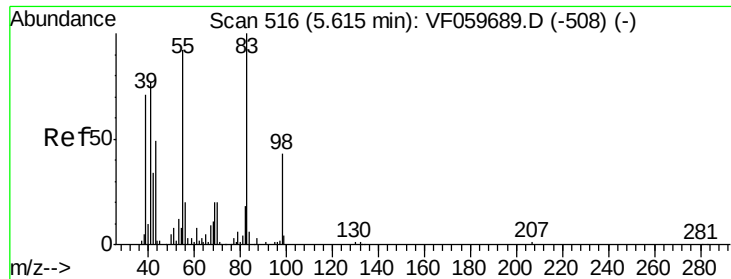
Tgt Ion: 75 Resp: 449
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 0.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.28 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VF059755.D
 Acq: 1 Aug 2018 15:11

Tgt Ion: 43 Resp: 363
 Ion Ratio Lower Upper
 43 100
 61 50.2 58.2 87.2#
 70 84.7 6.0 9.0#

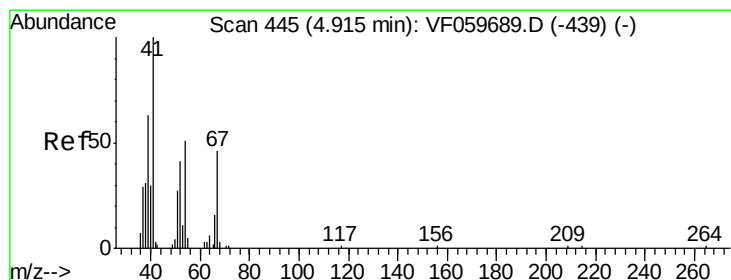
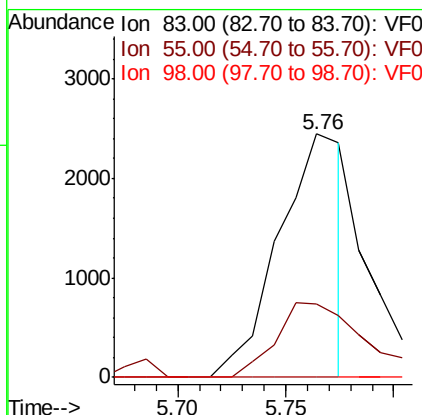
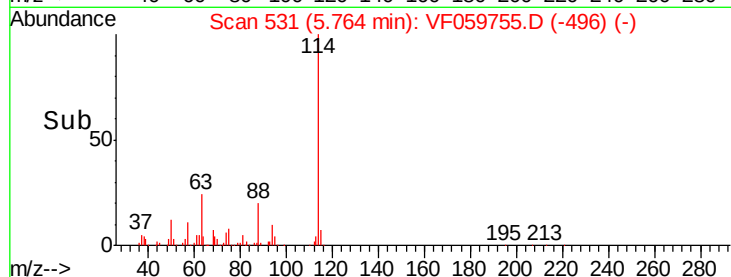
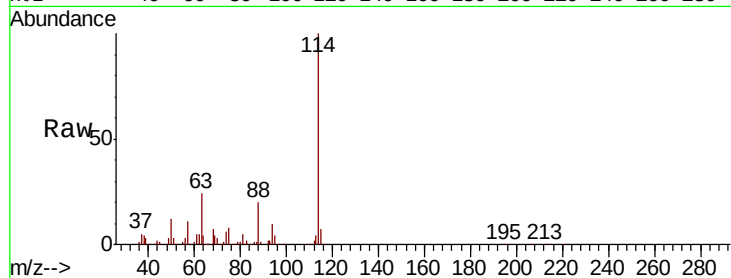




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 531
Delta R.T. 0.15 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

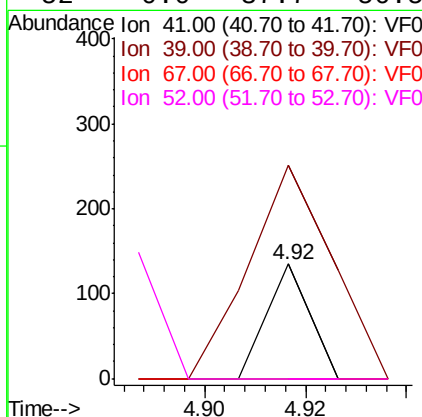
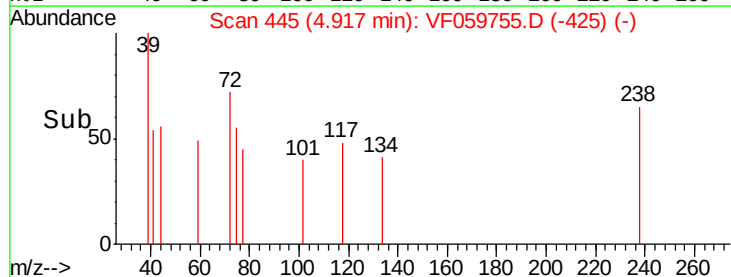
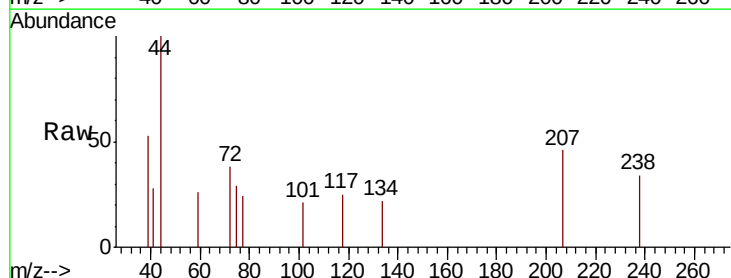
Instrument :
MSVOA_F
ClientSampleId :
CL-01-073018-E

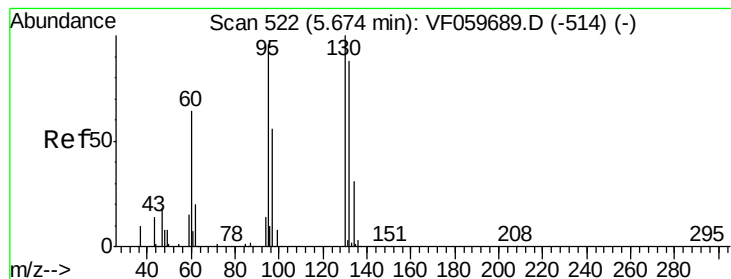
Tgt Ion: 83 Resp: 5093
Ion Ratio Lower Upper
83 100
55 30.1 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Tgt Ion: 41 Resp: 80
Ion Ratio Lower Upper
41 100
39 185.9 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#





#44

Trichloroethene

Concen: Below Cal

RT: 5.66 min Scan# 520

Delta R.T. -0.02 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

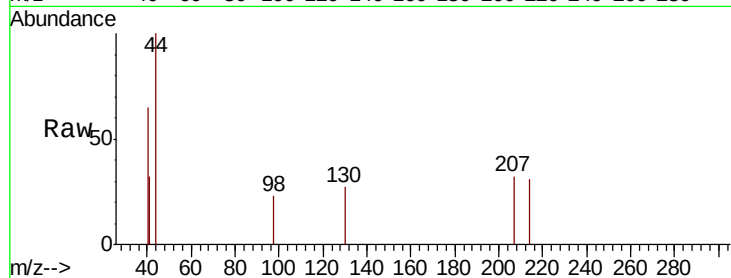
CL-01-073018-E

Tgt Ion:130 Resp: 72

Ion Ratio Lower Upper

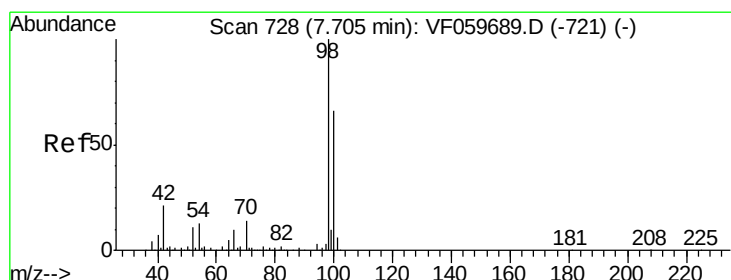
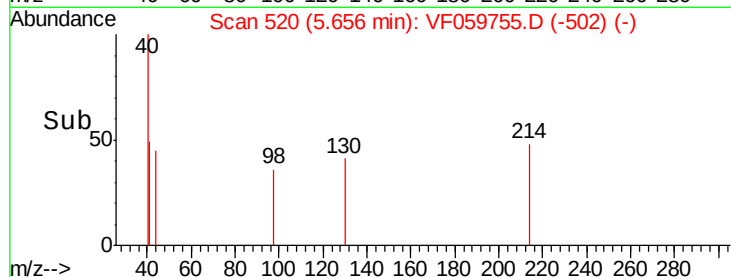
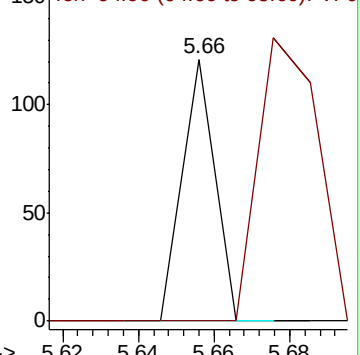
130 100

95 0.0 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0



#50

Toluene-d8

Concen: 33.991 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059755.D

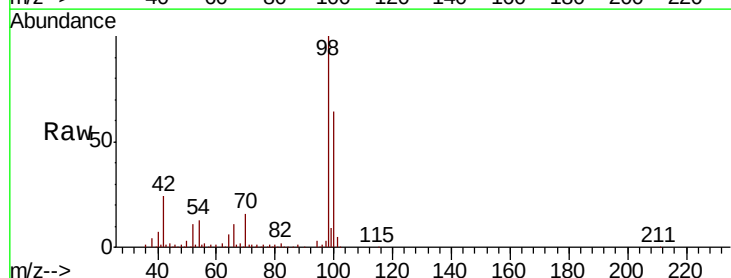
Acq: 1 Aug 2018 15:11

Tgt Ion: 98 Resp: 225100

Ion Ratio Lower Upper

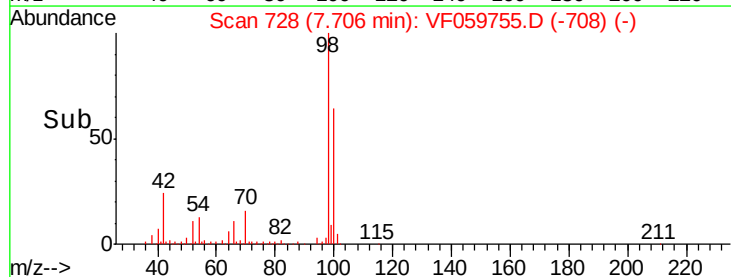
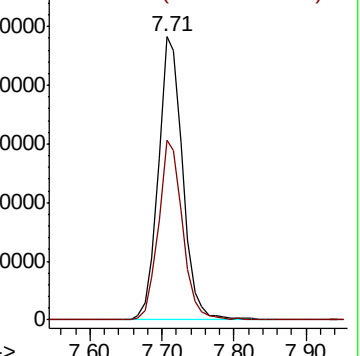
98 100

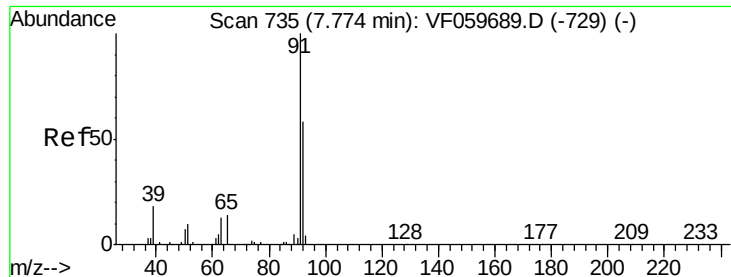
100 63.5 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: Below Cal

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

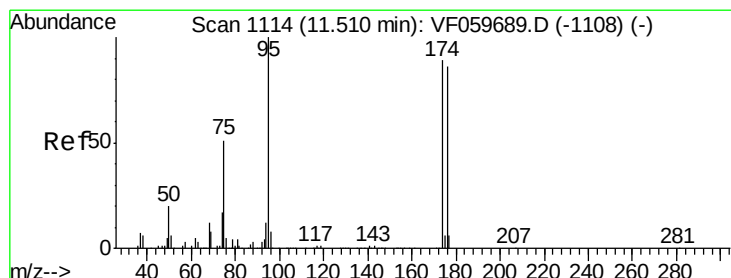
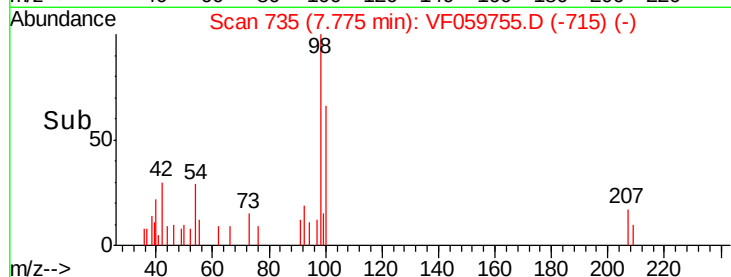
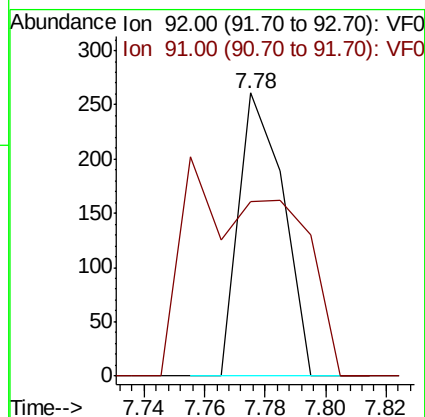
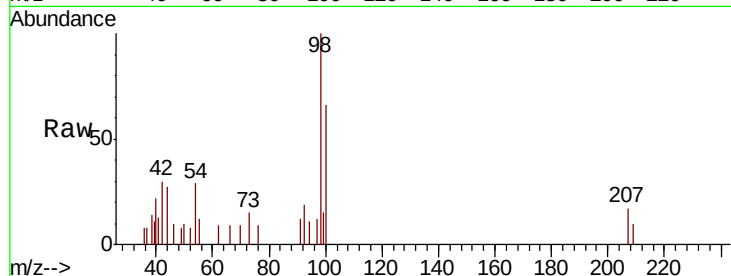
CL-01-073018-E

Tgt Ion: 92 Resp: 266

Ion Ratio Lower Upper

92 100

91 61.7 139.0 208.4#



#62

4-Bromofluorobenzene

Concen: 30.142 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

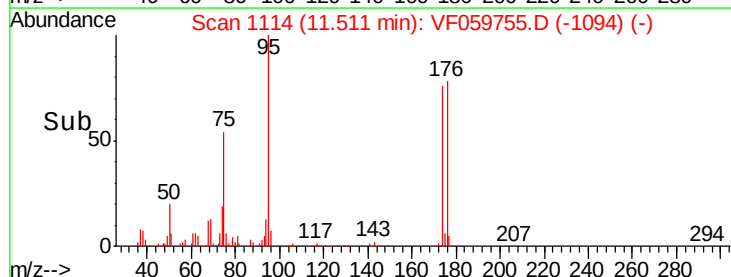
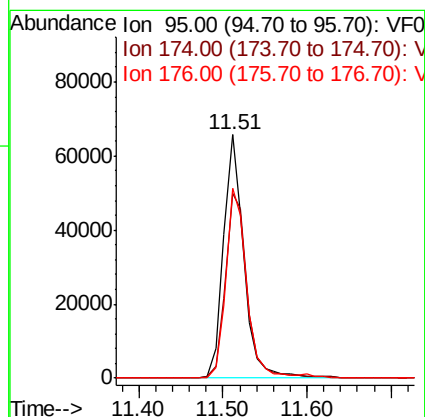
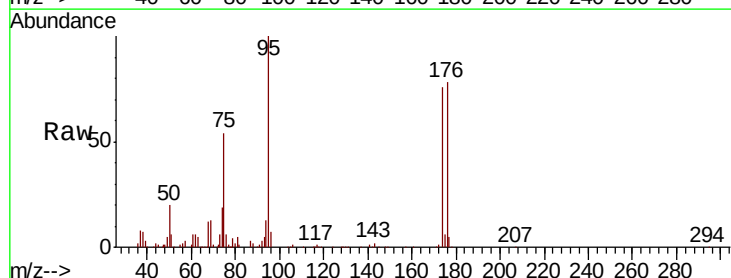
Tgt Ion: 95 Resp: 110505

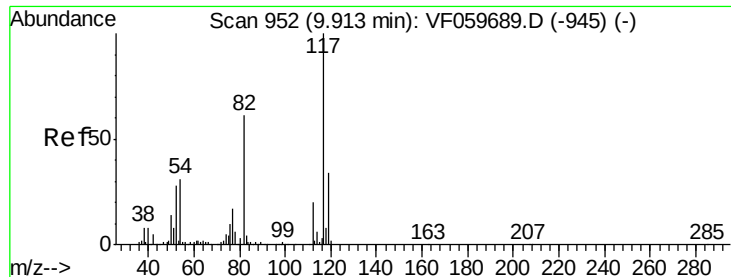
Ion Ratio Lower Upper

95 100

174 75.9 0.0 178.4

176 77.7 0.0 173.0

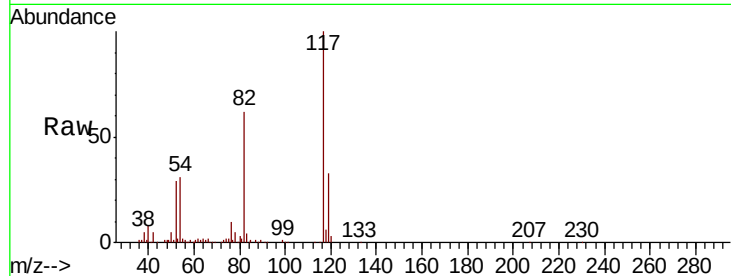




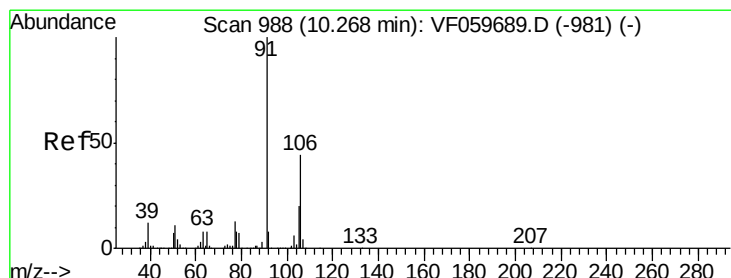
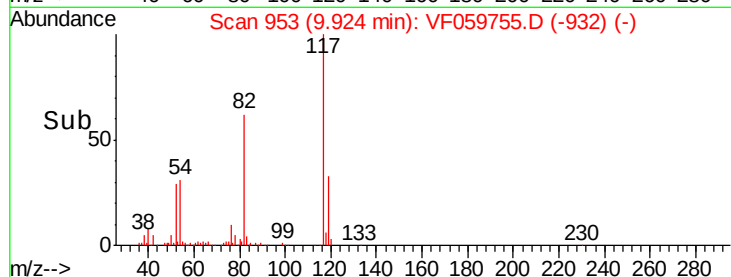
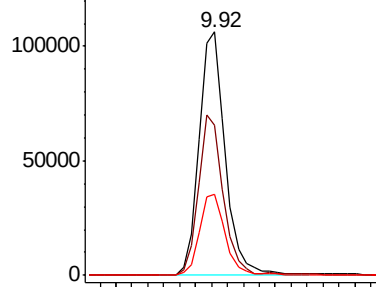
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Instrument :
MSVOA_F
ClientSampleId :
CL-01-073018-E

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.7	49.0	73.4
119	33.1	27.3	40.9

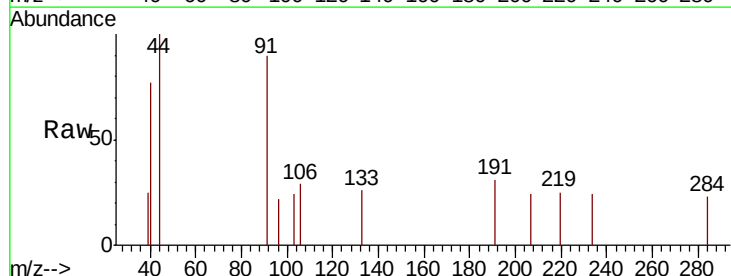


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

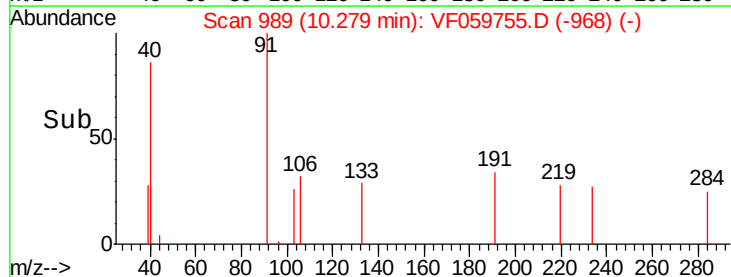
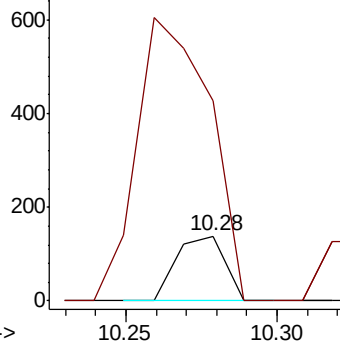


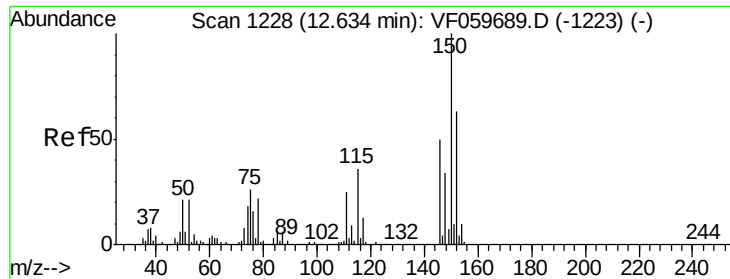
#68
m/p-Xylenes
Concen: Below Cal
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Tgt Ion	Ratio	Lower	Upper
106	100		
91	308.7	181.7	272.5#



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



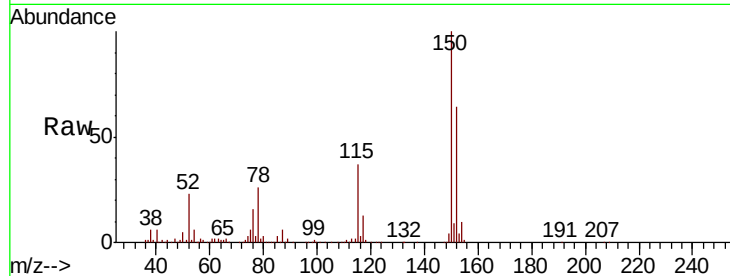


#72

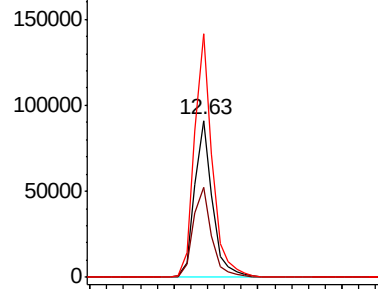
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

Instrument :
MSVOA_F
ClientSampleId :
CL-01-073018-E

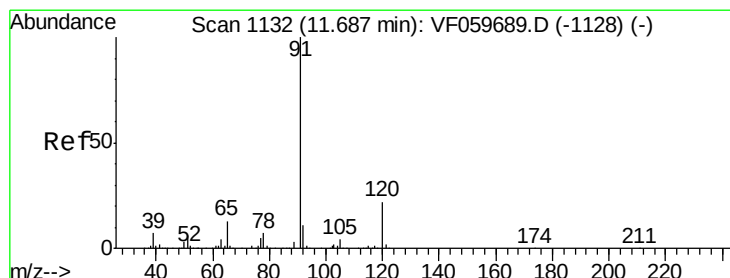
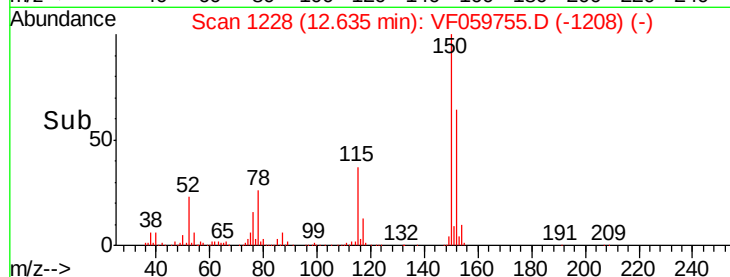
Tgt Ion:152 Resp: 134389
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.6
150 155.1 0.0 316.2



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



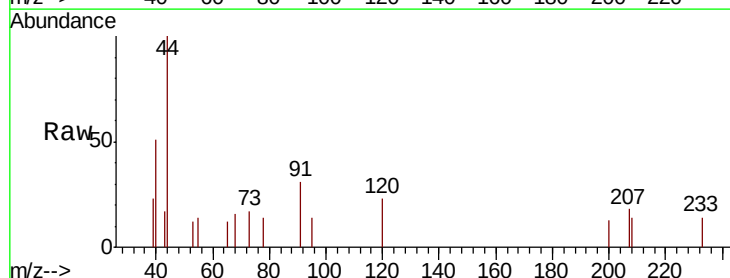
Time--> 12.50 12.60 12.70 12.80



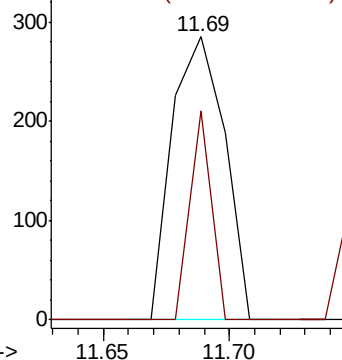
#78

n-propylbenzene
Concen: Below Cal
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059755.D
Acq: 1 Aug 2018 15:11

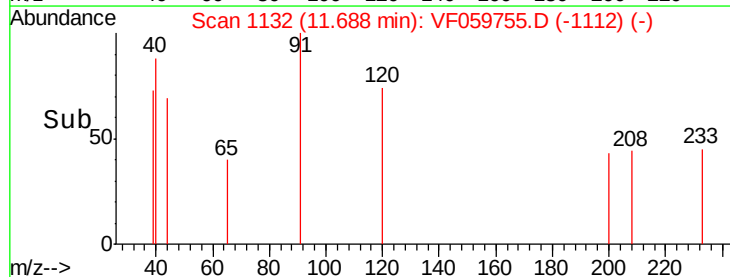
Tgt Ion: 91 Resp: 413
Ion Ratio Lower Upper
91 100
120 73.7 11.0 33.0#

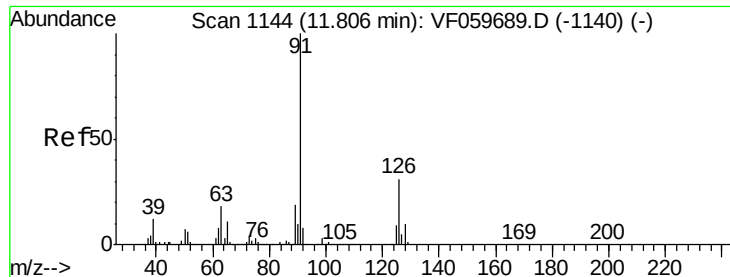


Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 120.00 (119.70 to 120.70): V



Time--> 11.65 11.70





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.83 min Scan# 1146

Delta R.T. 0.02 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

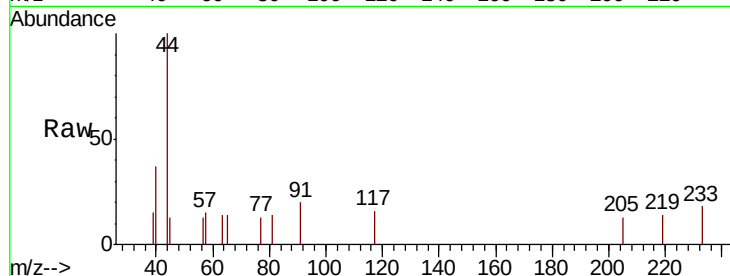
CL-01-073018-E

Tgt Ion: 91 Resp: 255

Ion Ratio Lower Upper

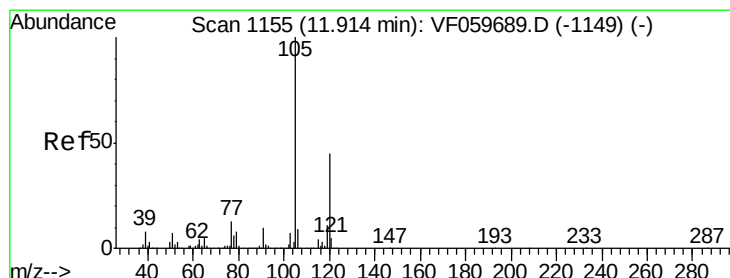
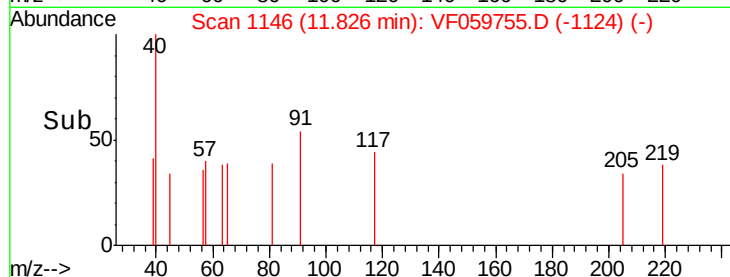
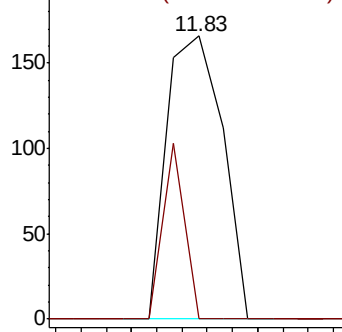
91 100

126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059755.D

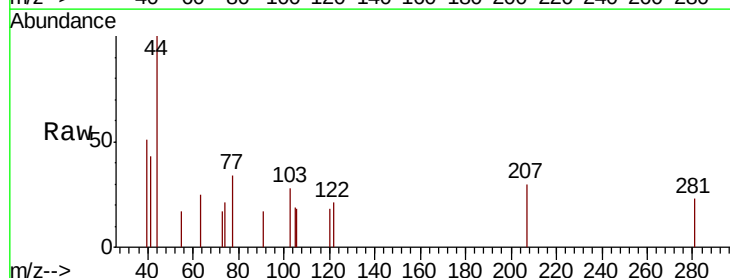
Acq: 1 Aug 2018 15:11

Tgt Ion: 105 Resp: 317

Ion Ratio Lower Upper

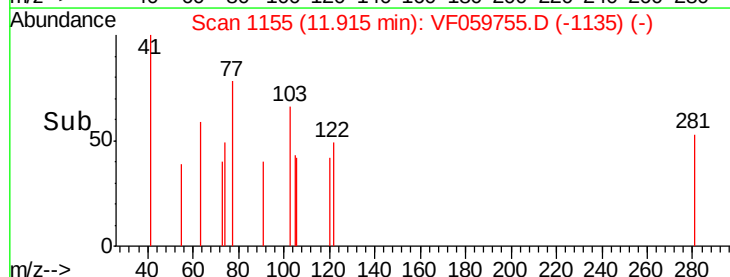
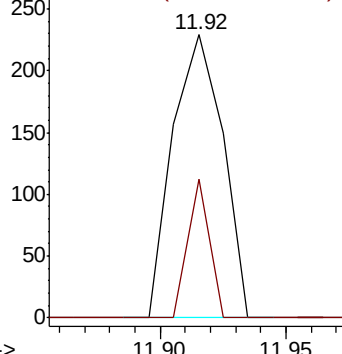
105 100

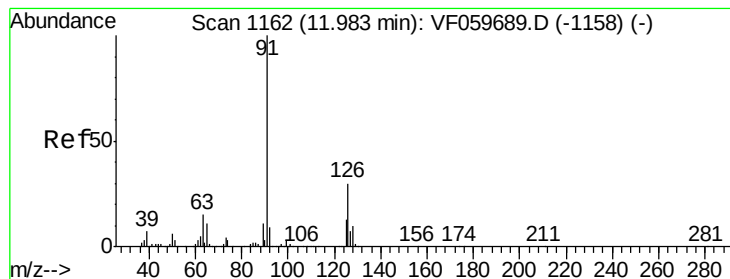
120 48.9 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

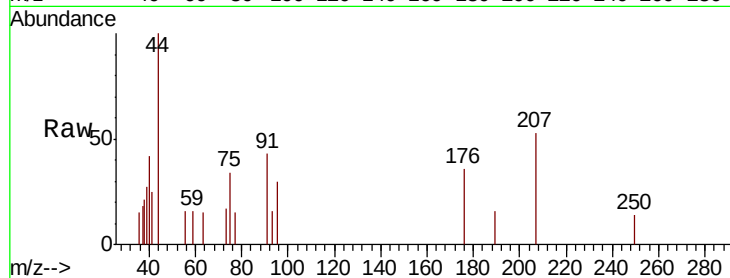
CL-01-073018-E

Tgt Ion: 91 Resp: 447

Ion Ratio Lower Upper

91 100

126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.98

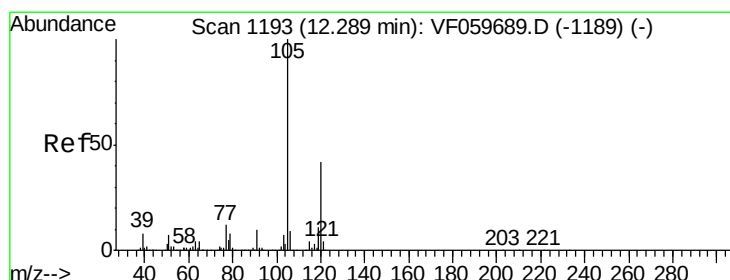
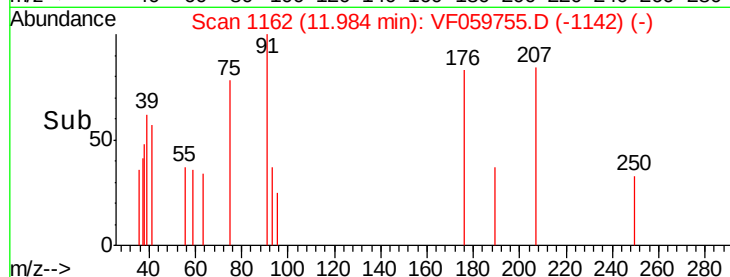
300

200

100

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

Lab File: VF059755.D

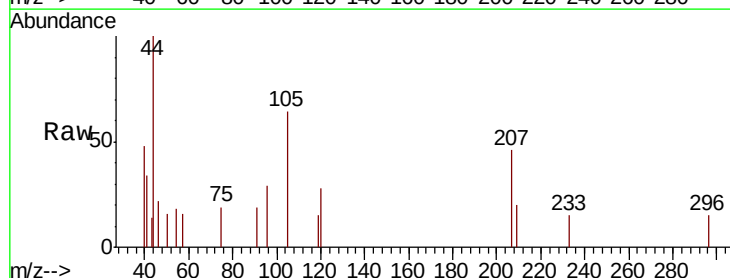
Acq: 1 Aug 2018 15:11

Tgt Ion: 105 Resp: 396

Ion Ratio Lower Upper

105 100

120 44.2 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.29

500

400

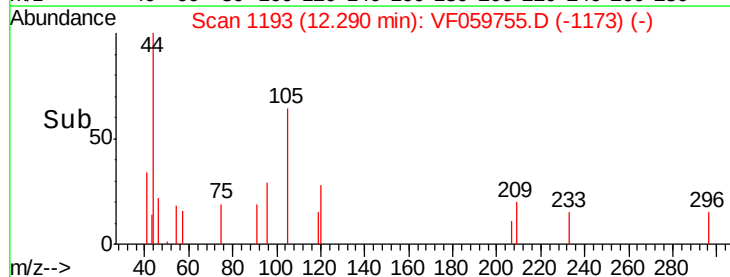
300

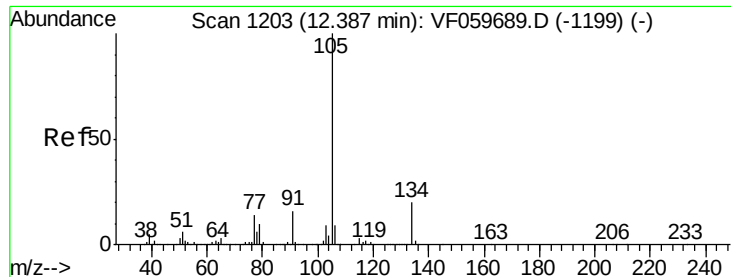
200

100

0

Time-->





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

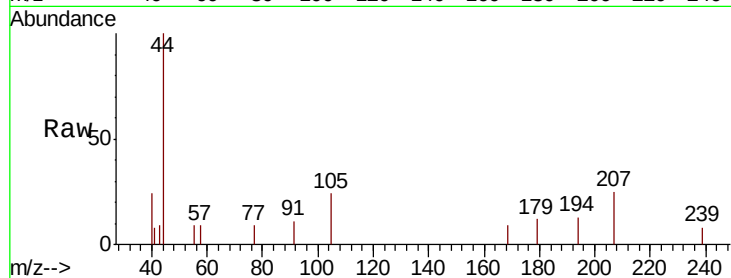
CL-01-073018-E

Tgt Ion:105 Resp: 480

Ion Ratio Lower Upper

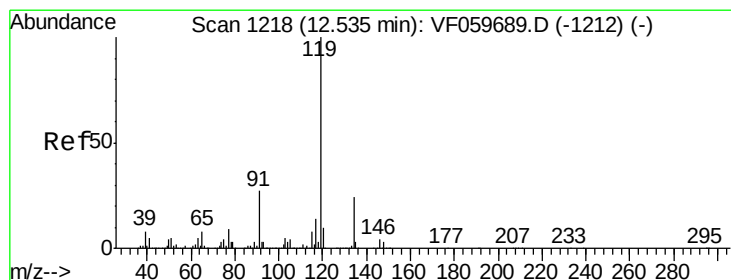
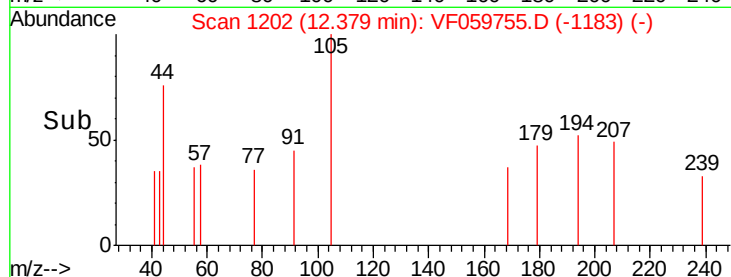
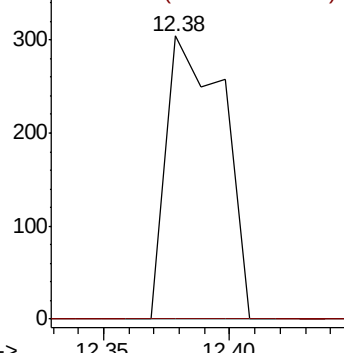
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

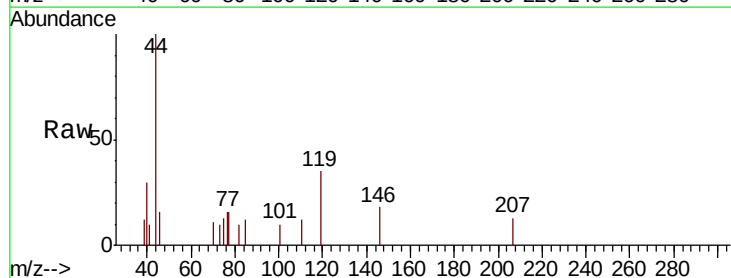
Tgt Ion:119 Resp: 406

Ion Ratio Lower Upper

119 100

134 0.0 12.2 36.6#

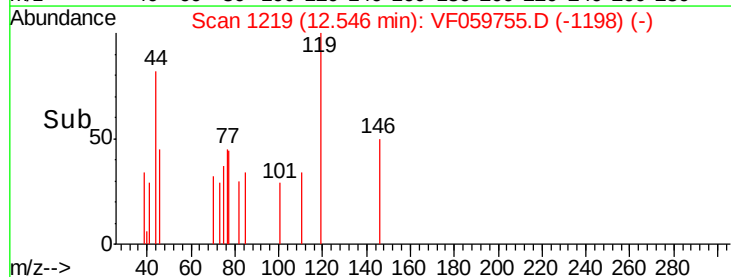
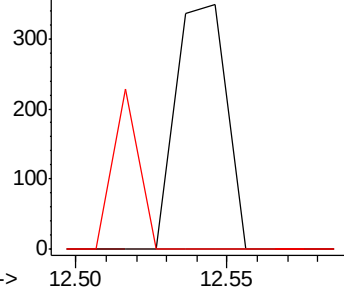
91 0.0 13.4 40.2#

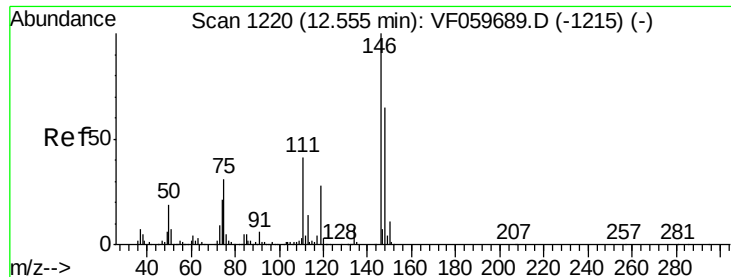


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

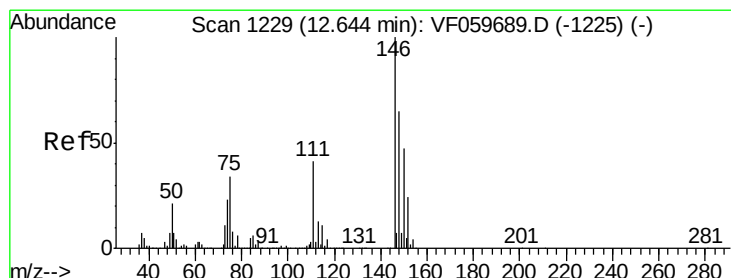
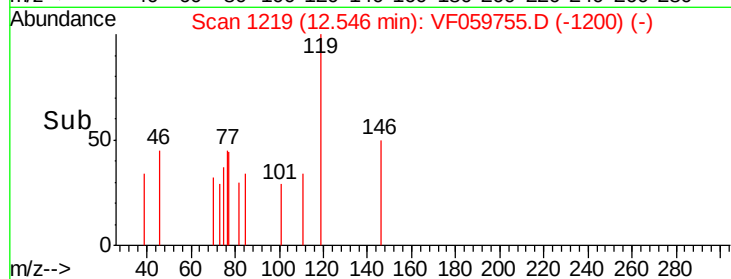
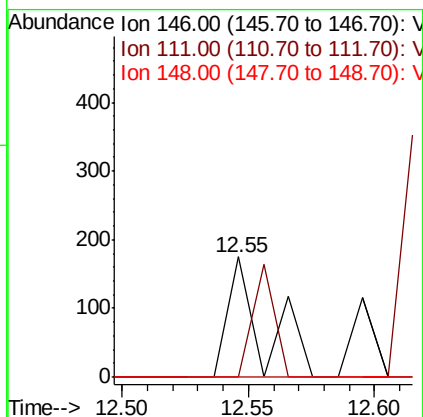
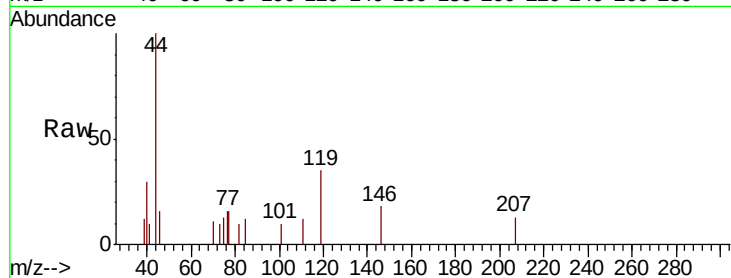




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059755.D
 Acq: 1 Aug 2018 15:11

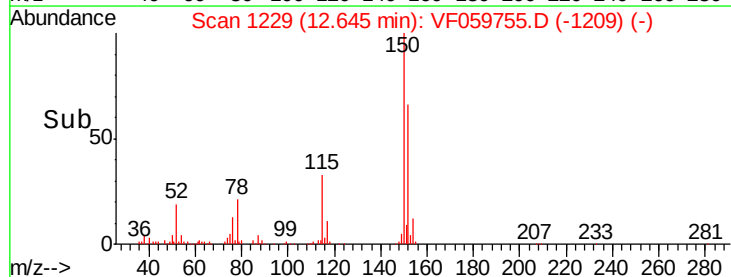
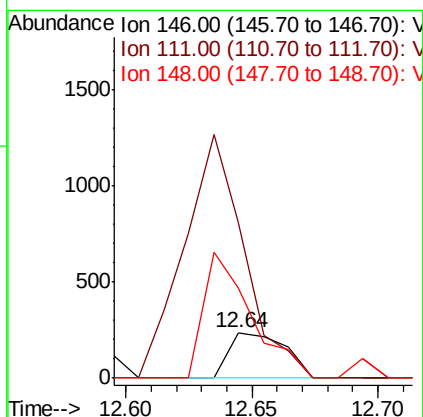
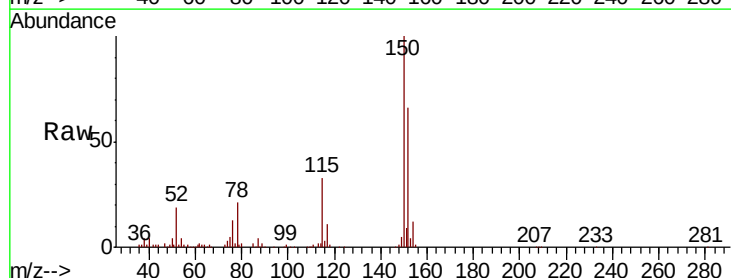
Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-073018-E

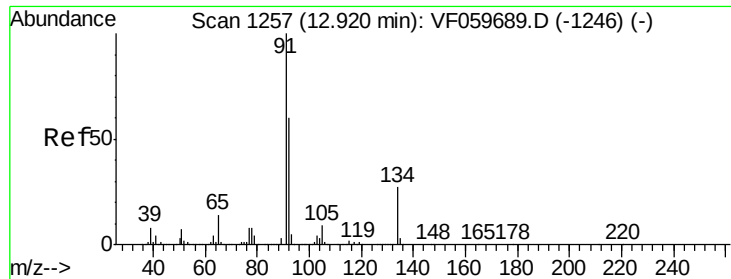
Tgt Ion:146 Resp: 173
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.7 62.1#
 148 0.0 32.3 96.8#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059755.D
 Acq: 1 Aug 2018 15:11

Tgt Ion:146 Resp: 361
 Ion Ratio Lower Upper
 146 100
 111 341.1 20.8 62.2#
 148 198.3 32.3 96.9#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

Instrument :

MSVOA_F

ClientSampleId :

CL-01-073018-E

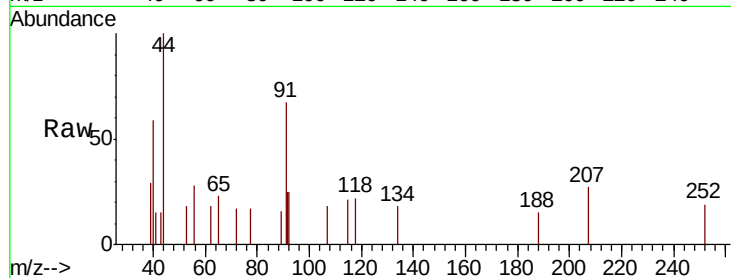
Tgt Ion: 91 Resp: 681

Ion Ratio Lower Upper

91 100

92 27.3 30.1 90.3#

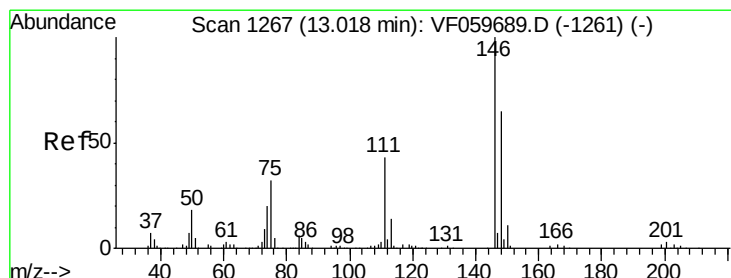
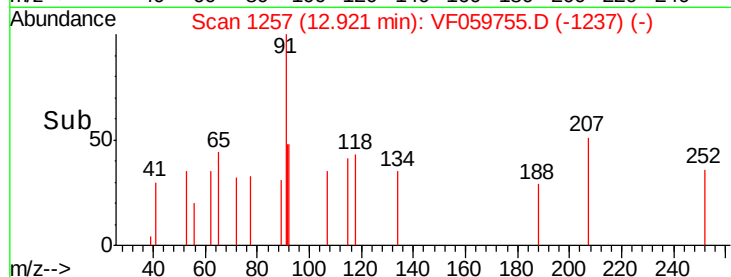
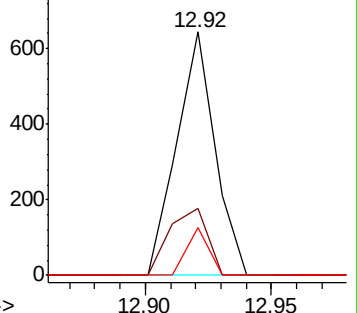
134 19.6 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.03 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VF059755.D

Acq: 1 Aug 2018 15:11

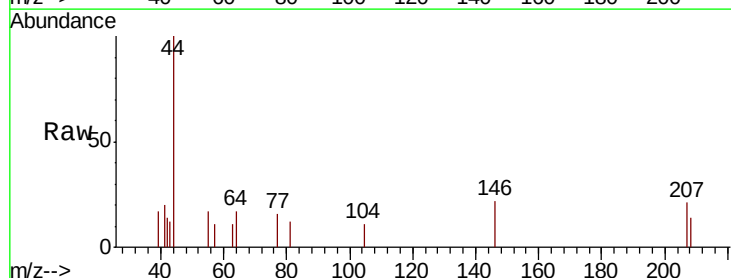
Tgt Ion: 146 Resp: 281

Ion Ratio Lower Upper

146 100

111 0.0 21.6 65.0#

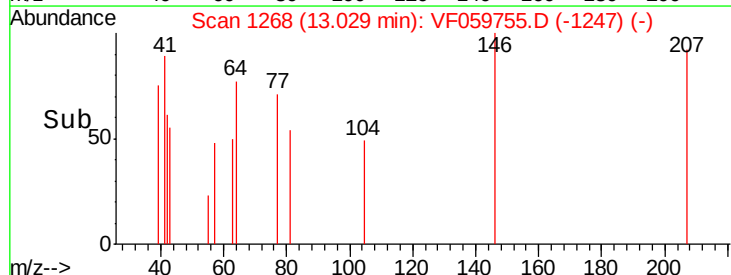
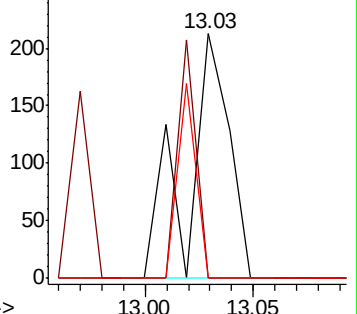
148 0.0 32.3 96.9#

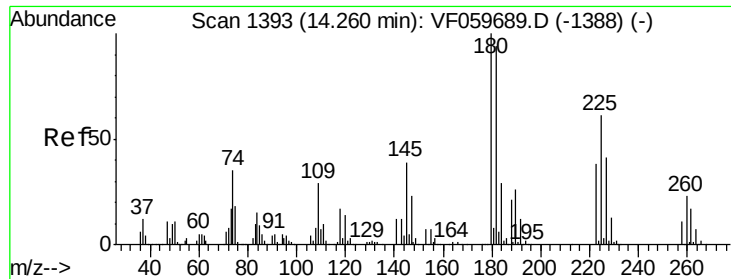


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059755.D
 Acq: 1 Aug 2018 15:11

Instrument :
 MSVOA_F
 ClientSampleId :
 CL-01-073018-E

Tgt Ion:180 Resp: 629
 Ion Ratio Lower Upper
 180 100
 182 57.5 47.2 141.6
 145 0.0 19.3 57.9#

