

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059705.D
 Acq On : 31 Jul 2018 13:19
 Operator : VA/AP
 Sample : J4140-01
 Misc : 12.06g/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 14:02:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	19268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	21858	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	15279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	5790	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	6133	17.71	ug/l	0.00
Spiked Amount			Recovery	=	35.42%	
35) Dibromofluoromethane	4.28	113	7333	32.30	ug/l	0.00
Spiked Amount			Recovery	=	64.60%	
50) Toluene-d8	7.70	98	20744	39.18	ug/l	0.00
Spiked Amount			Recovery	=	78.36%	
62) 4-Bromofluorobenzene	11.51	95	6007	20.50	ug/l	0.00
Spiked Amount			Recovery	=	41.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	61	Below Cal	#	44
3) Chloromethane	1.07	50	184	Below Cal	#	38
4) Vinyl Chloride	1.15	62	92	Below Cal	#	47
5) Bromomethane	1.30	94	248	Below Cal	#	4
6) Chloroethane	1.36	64	62	Below Cal	#	35
8) Diethyl Ether	1.83	74	85	1.382	ug/l	65
10) Methyl Iodide	1.91	142	72	Below Cal	#	20
13) Acrolein	2.11	56	69	24.893	ug/l #	4
16) Acetone	2.35	43	1017	16.328	ug/l #	68
17) Carbon Disulfide	1.85	76	84	Below Cal	#	71
18) Methyl Acetate	2.48	43	706	2.596	ug/l #	64
20) Methylene Chloride	2.28	84	208	Below Cal	#	36
21) trans-1,2-Dichloroethene	2.55	96	62	Below Cal	#	1
28) Bromochloromethane	3.91	49	64	Below Cal	#	15
29) Tetrahydrofuran	4.25	42	69	2.583	ug/l #	39
31) Cyclohexane	3.78	56	72	Below Cal	#	15
36) 1,1-Dichloropropene	4.59	75	60	Below Cal	#	46
37) Ethyl Acetate	4.28	43	118	Below Cal	#	85
39) Methylcyclohexane	5.76	83	418	Below Cal	#	45
49) 1,4-Dioxane	6.90	88	65	1.185	ug/l #	35
52) Toluene	7.76	92	70	Below Cal	#	1
59) 2-Hexanone	9.63	43	692	8.685	ug/l	88
64) Tetrachloroethene	8.27	164	64	Below Cal	#	1
68) m/p-Xylenes	10.30	106	63	Below Cal	#	1
74) N-amyl acetate	11.46	43	671	7.001	ug/l #	24
76) 1,2,3-Trichloropropane	11.89	75	141	2.319	ug/l #	39
78) n-propylbenzene	11.70	91	231	Below Cal	#	54
79) 2-Chlorotoluene	11.79	91	67	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	93	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.89	75	141	5.599	ug/l #	9
82) 4-Chlorotoluene	12.07	91	82	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.27	105	196	Below Cal	#	33
85) sec-Butylbenzene	12.27	105	196	Below Cal	#	57
86) p-Isopropyltoluene	12.53	119	104	Below Cal	#	49

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059705.D
 Acq On : 31 Jul 2018 13:19
 Operator : VA/AP
 Sample : J4140-01
 Misc : 12.06g/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 31 14:02:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

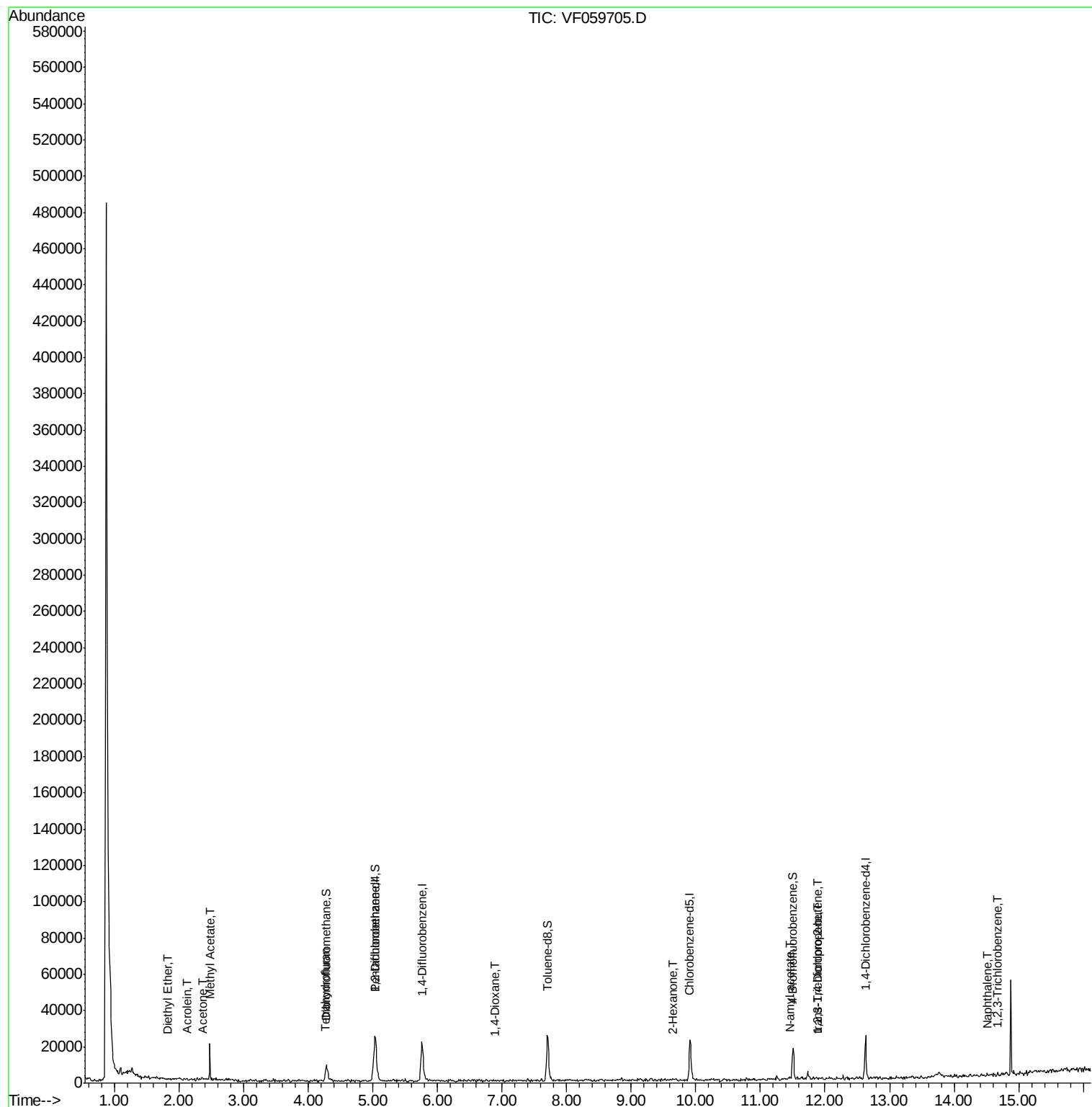
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.64	146	257	Below Cal	#	24
88) 1,4-Dichlorobenzene	12.64	146	257	Below Cal	#	24
89) n-Butylbenzene	12.92	91	149	Below Cal	#	29
91) 1,2-Dichlorobenzene	13.01	146	139	Below Cal	#	24
93) 1,2,4-Trichlorobenzene	14.26	180	313	Below Cal	#	71
95) Naphthalene	14.52	128	628	2.516 uq/l	#	70
96) 1,2,3-Trichlorobenzene	14.66	180	219	1.587 uq/l	#	69

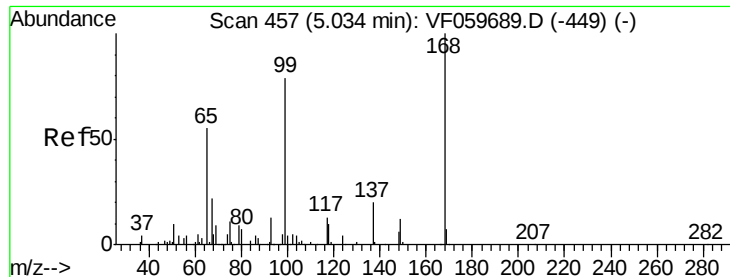
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF073118\
Data File : VF059705.D
Acq On : 31 Jul 2018 13:19
Operator : VA/AP
Sample : J4140-01
Misc : 12.06g/5mL/MSVOA F/SOIL
ALS Vial : 86 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jul 31 14:02:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 05:19:18 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

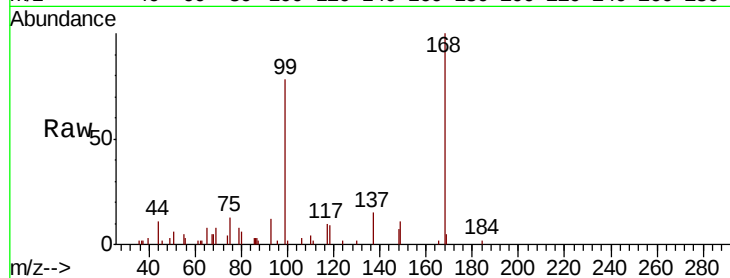
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 19268

Ion Ratio Lower Upper

168 100

99 78.0 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

6000

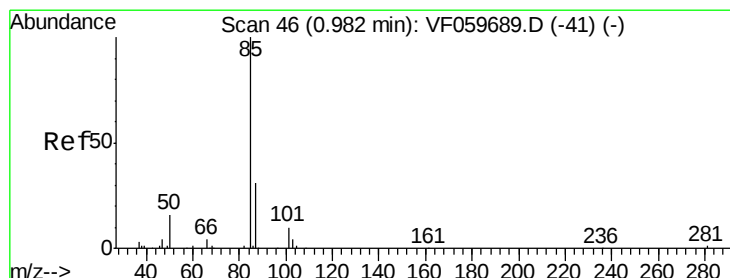
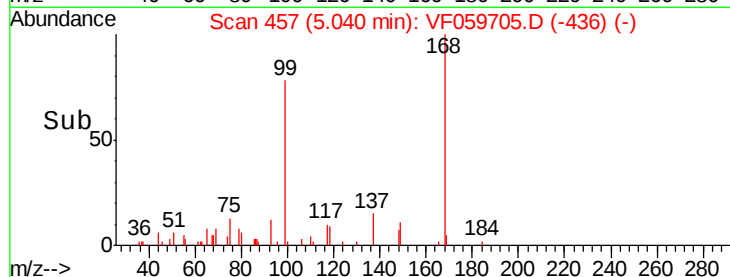
4000

2000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 47

Delta R.T. 0.02 min

Lab File: VF059705.D

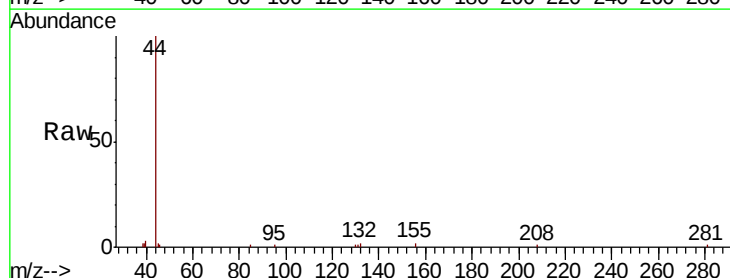
Acq: 31 Jul 2018 13:19

Tgt Ion: 85 Resp: 61

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

1.00

100

80

60

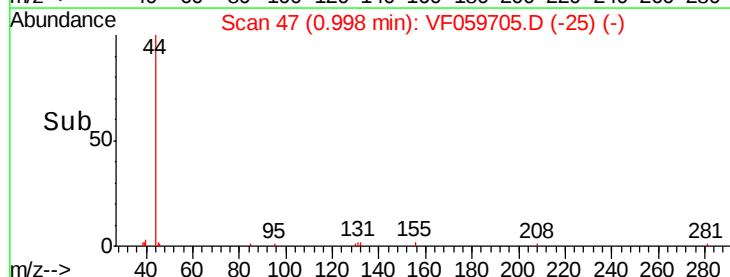
40

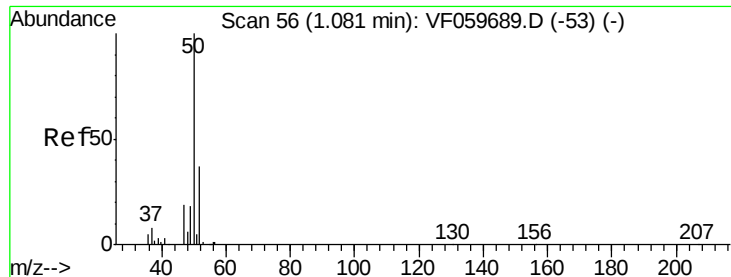
20

0

Time-->

0.96 0.98 1.00 1.02





#3

Chloromethane

Concen: Below Cal

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

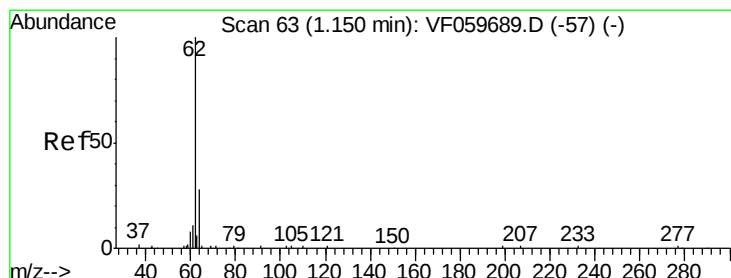
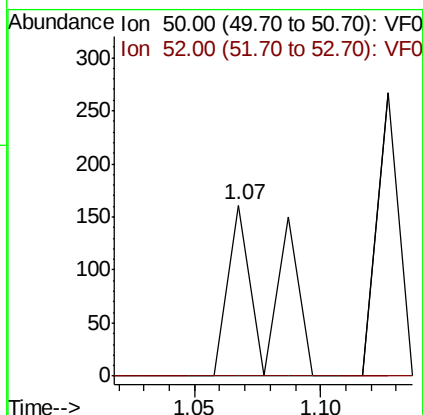
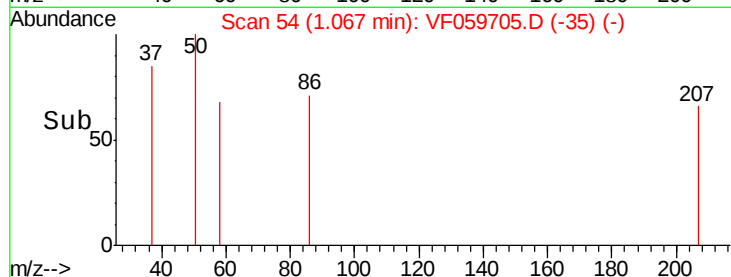
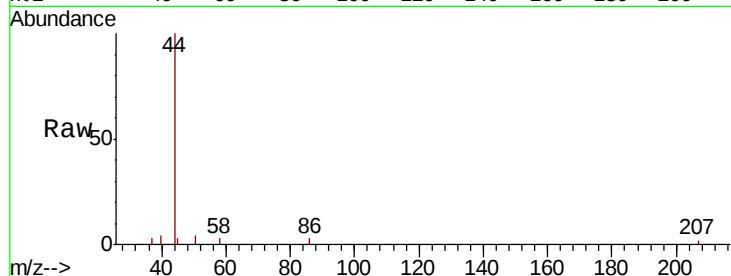
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 184

Ion Ratio Lower Upper

50 100

52 0.0 29.1 43.7#



#4

Vinyl Chloride

Concen: Below Cal

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059705.D

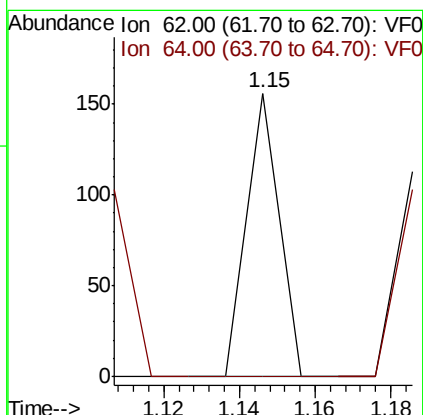
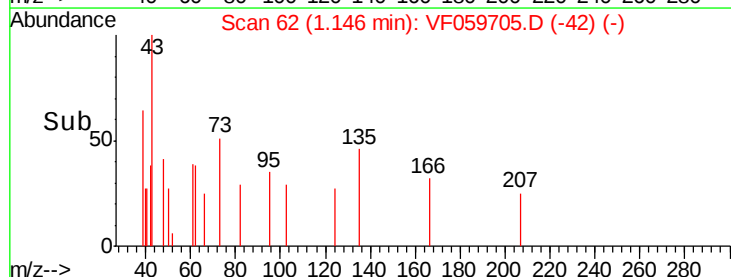
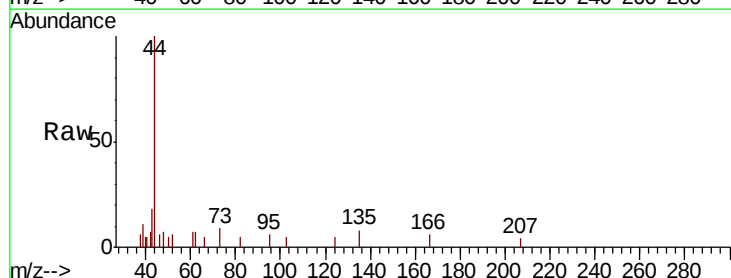
Acq: 31 Jul 2018 13:19

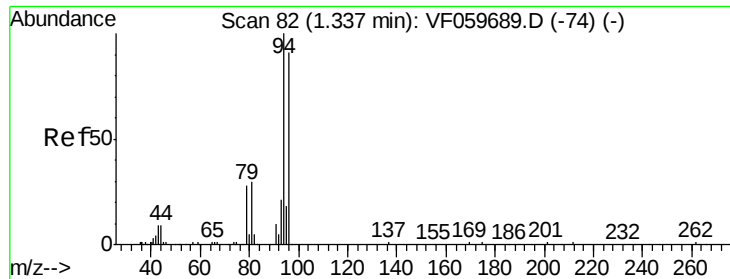
Tgt Ion: 62 Resp: 92

Ion Ratio Lower Upper

62 100

64 0.0 22.6 33.8#





#5

Bromomethane

Concen: Below Cal

RT: 1.30 min Scan# 78

Delta R.T. -0.03 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

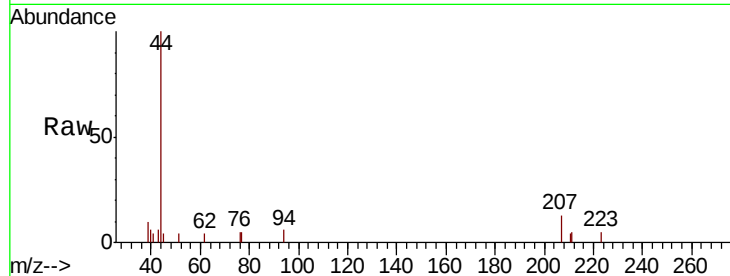
ClientSampled :

Tot Ion: 94 Resp: 248

Ion Ratio Lower Upper

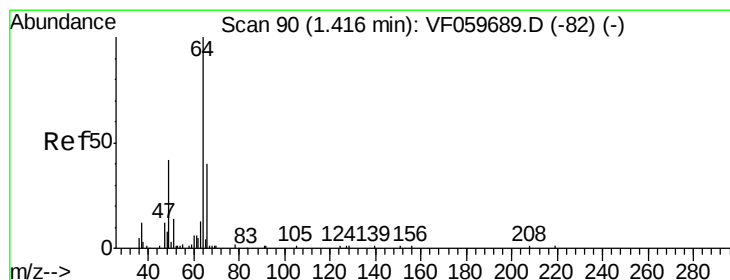
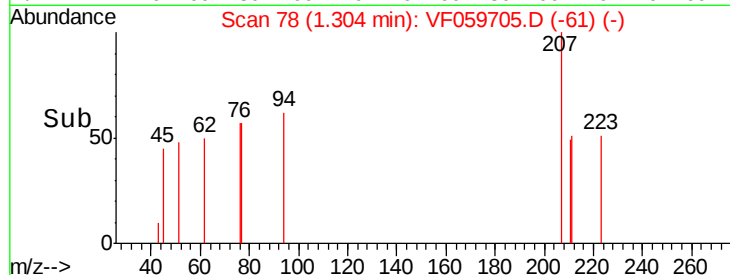
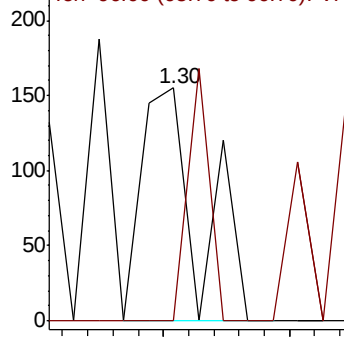
94 100

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: 1.36 min Scan# 84

Delta R.T. -0.05 min

Lab File: VF059705.D

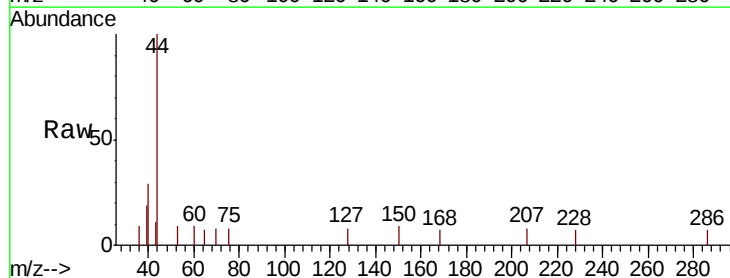
Acq: 31 Jul 2018 13:19

Tgt Ion: 64 Resp: 62

Ion Ratio Lower Upper

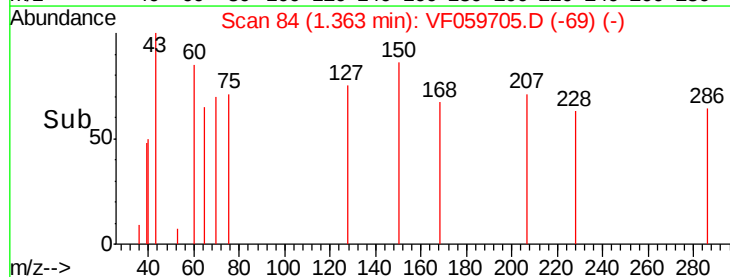
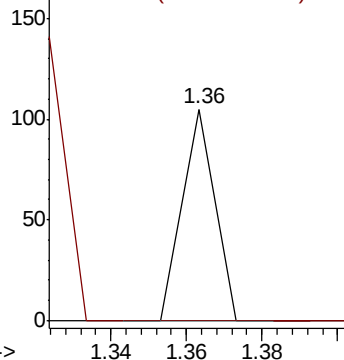
64 100

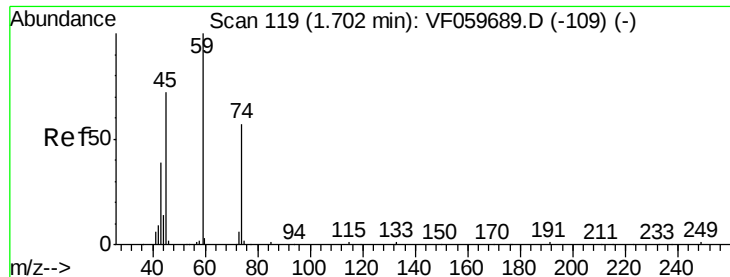
66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

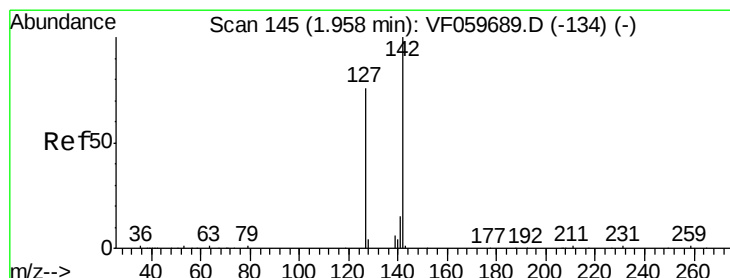
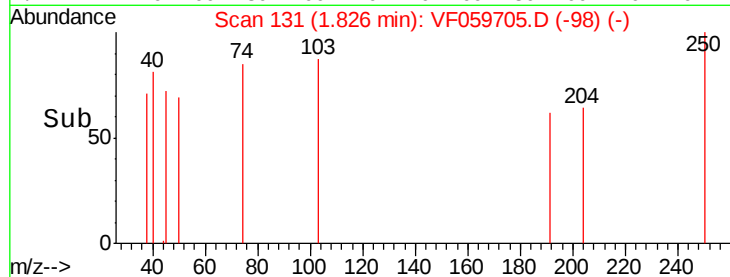
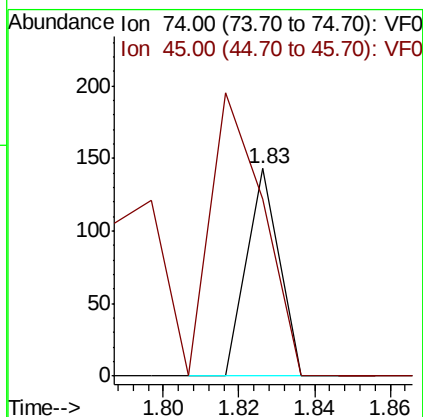
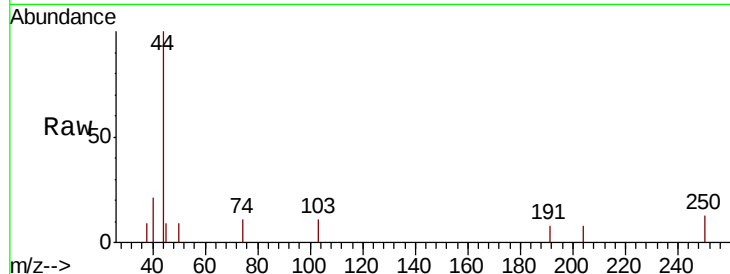




#8
Diethyl Ether
Concen: 1.382 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.12 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

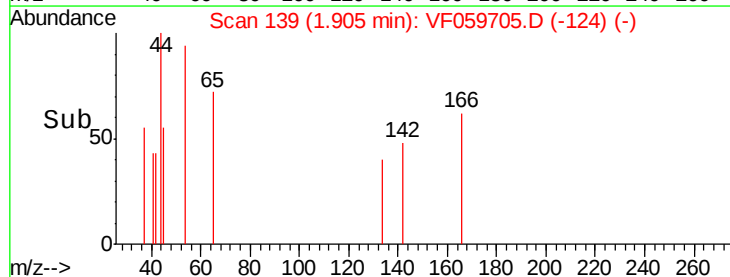
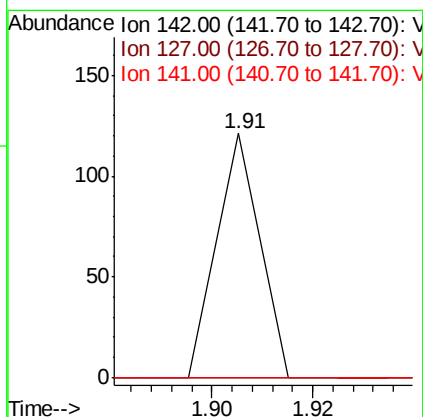
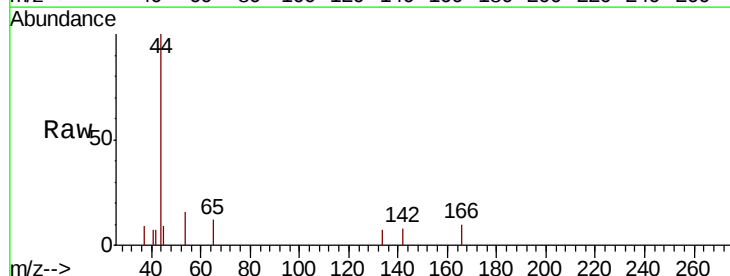
Instrument :
MSVOA_F
ClientSampleId :

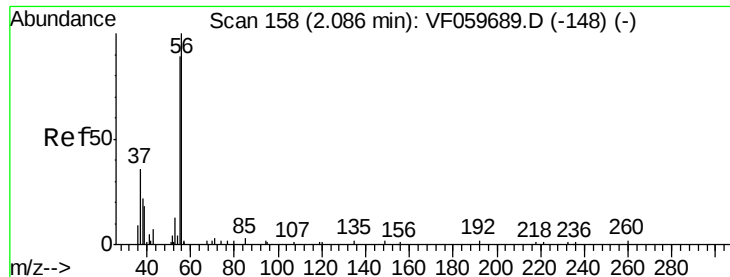
Tot Ion: 74 Resp: 85
Ion Ratio Lower Upper
74 100
45 85.3 62.7 188.2



#10
Methyl Iodide
Concen: Below Cal
RT: 1.91 min Scan# 139
Delta R.T. -0.05 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

Tgt Ion: 142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#





#13

Acrolein

Concen: 24.893 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.03 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

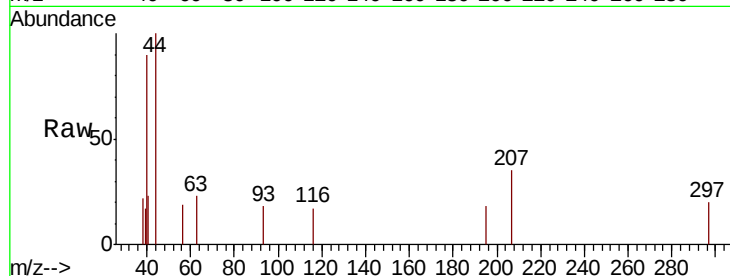
ClientSampleId :

Tot Ion: 56 Resp: 69

Ion Ratio Lower Upper

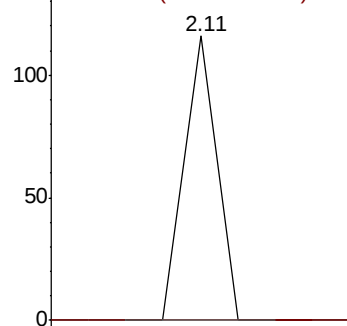
56 100

55 0.0 73.2 109.8#

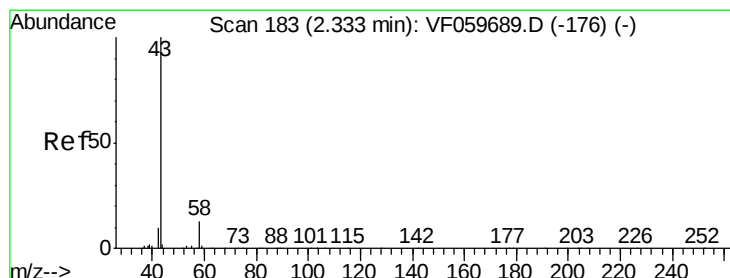
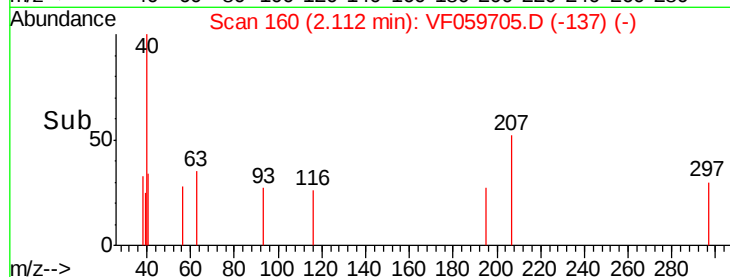


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time--> 2.08 2.10 2.12 2.14



#16

Acetone

Concen: 16.328 ug/l

RT: 2.35 min Scan# 184

Delta R.T. 0.02 min

Lab File: VF059705.D

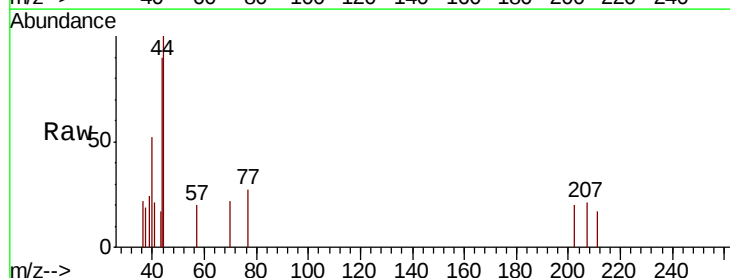
Acq: 31 Jul 2018 13:19

Tgt Ion: 43 Resp: 1017

Ion Ratio Lower Upper

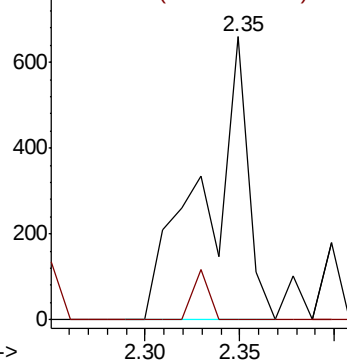
43 100

58 0.0 10.1 15.1#

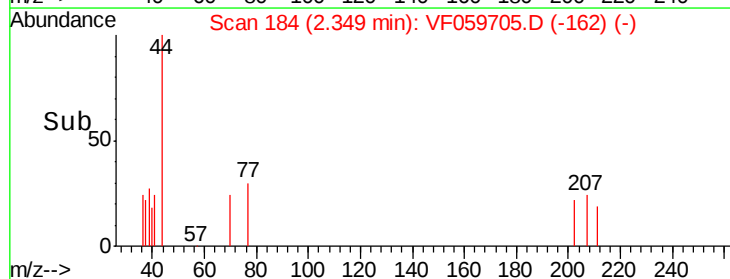


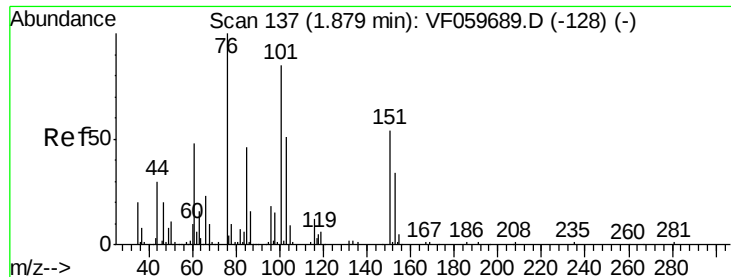
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time--> 2.30 2.35

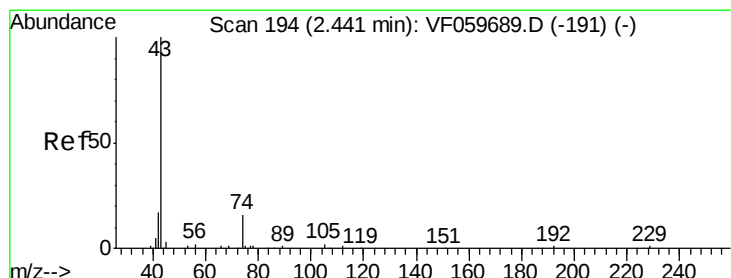
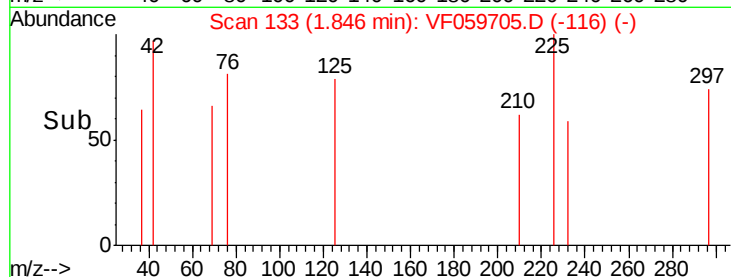
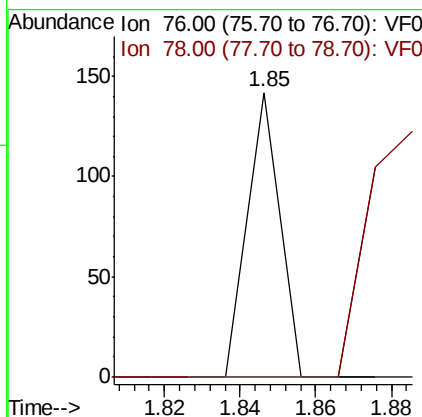
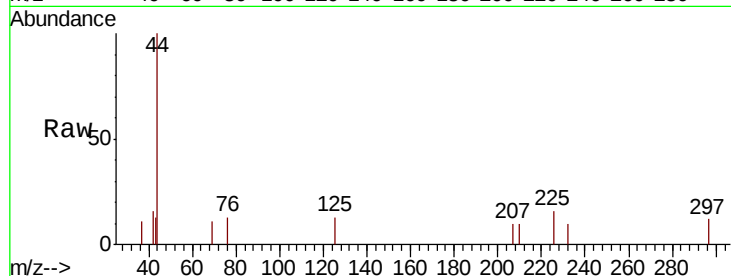




#17
Carbon Disulfide
Concen: Below Cal
RT: 1.85 min Scan# 133
Delta R.T. -0.03 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

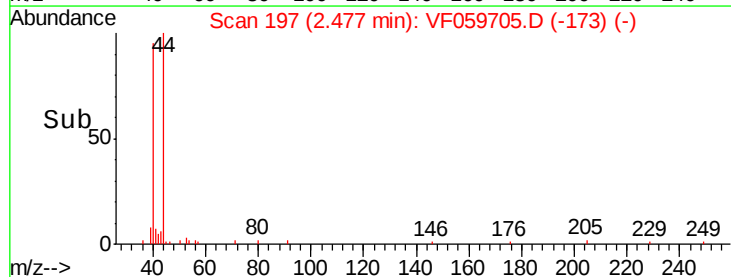
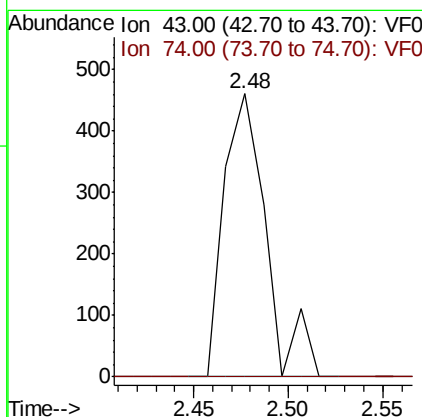
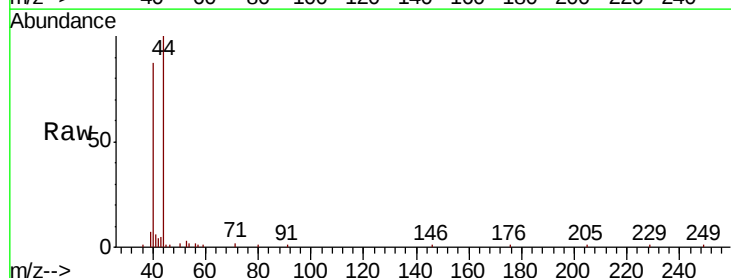
Instrument :
MSVOA_F
ClientSampleId :

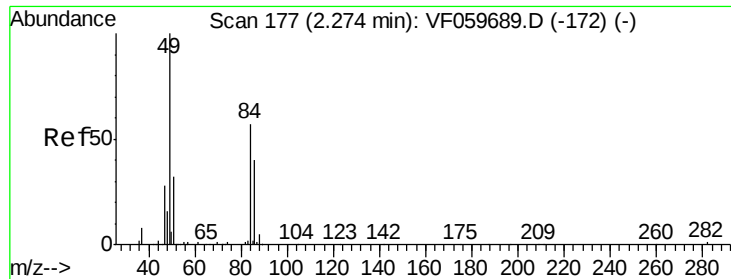
Tot Ion: 76 Resp: 84
Ion Ratio Lower Upper
76 100
78 0.0 8.9 13.3#



#18
Methyl Acetate
Concen: 2.596 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.04 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#

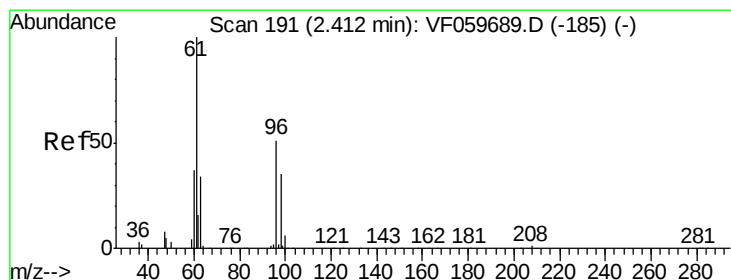
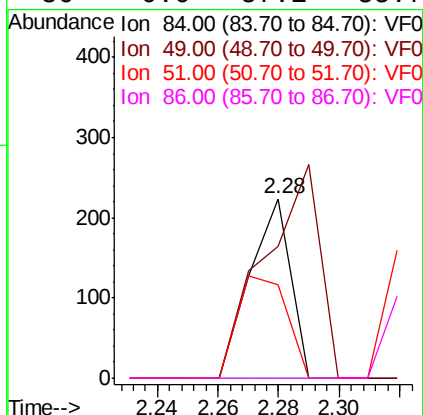
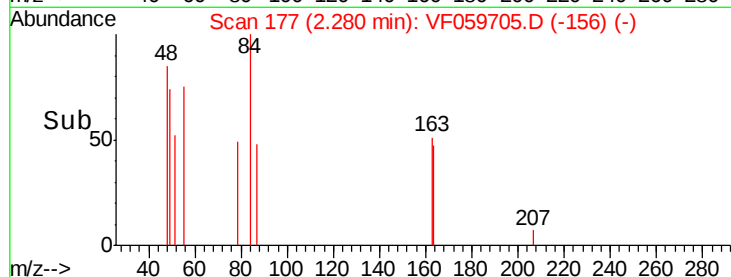
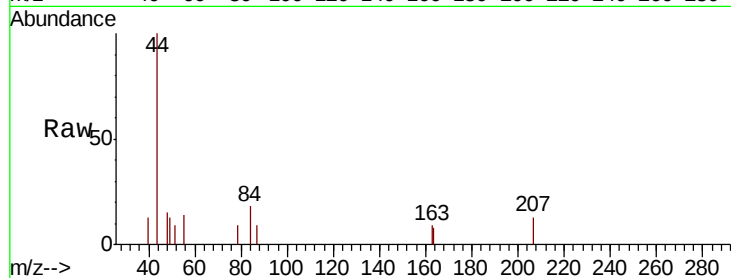




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

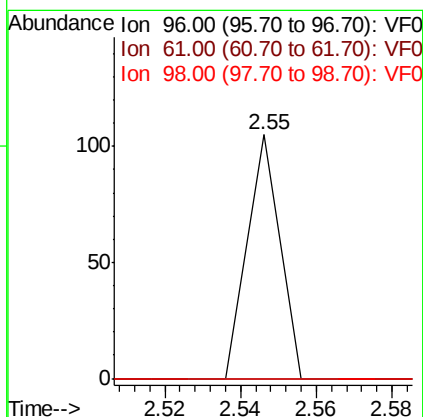
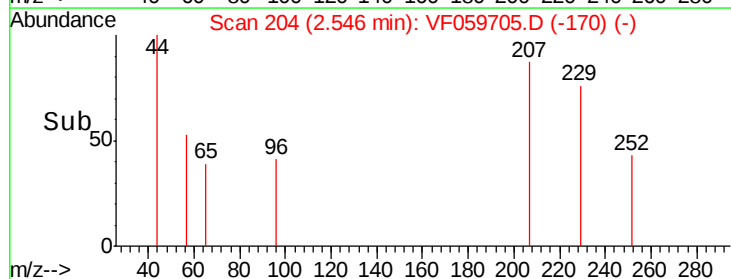
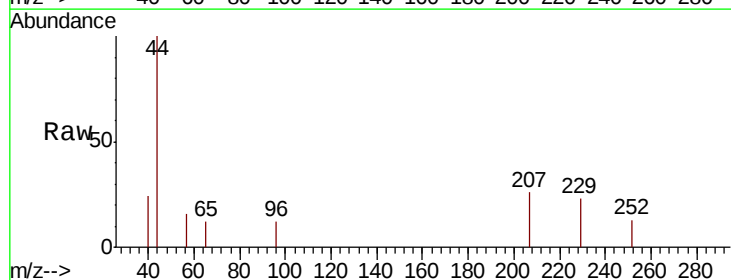
Instrument :
MSVOA_F
ClientSampleId :

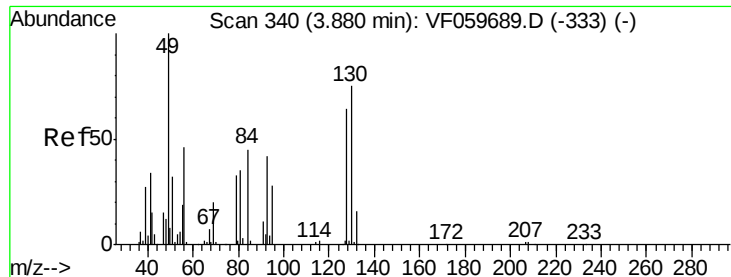
Tot Ion: 84 Resp: 208
Ion Ratio Lower Upper
84 100
49 73.7 142.2 213.4#
51 52.2 46.2 69.2
86 0.0 57.1 85.7#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.55 min Scan# 204
Delta R.T. 0.14 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

Tgt Ion: 96 Resp: 62
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: 3.91 min Scan# 342

Delta R.T. 0.03 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :
MSVOA_F
ClientSampled :

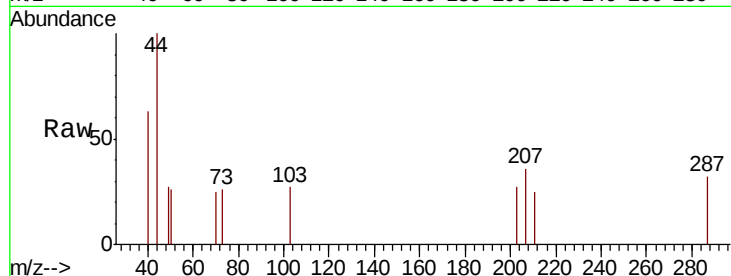
Tot Ion: 49 Resp: 64

Ion Ratio Lower Upper

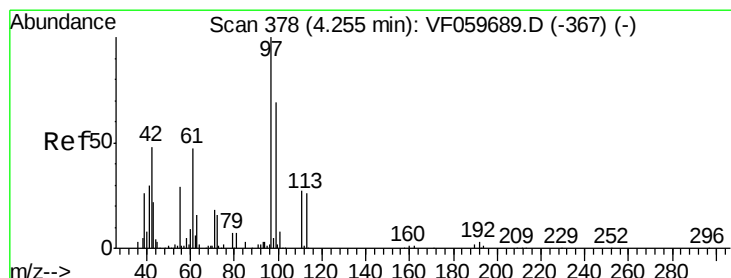
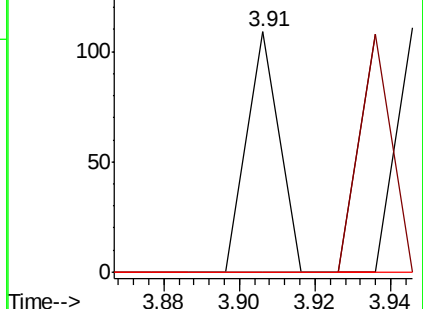
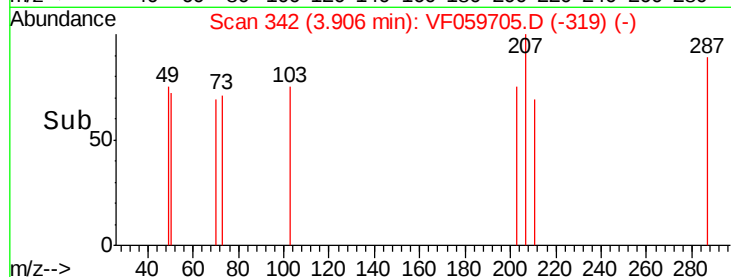
49 100

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: 2.583 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

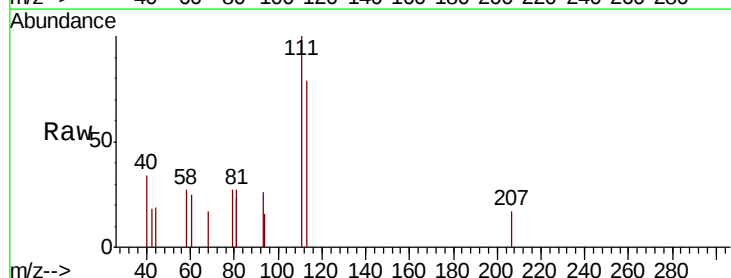
Tgt Ion: 42 Resp: 69

Ion Ratio Lower Upper

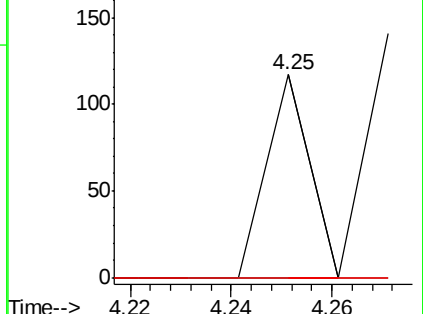
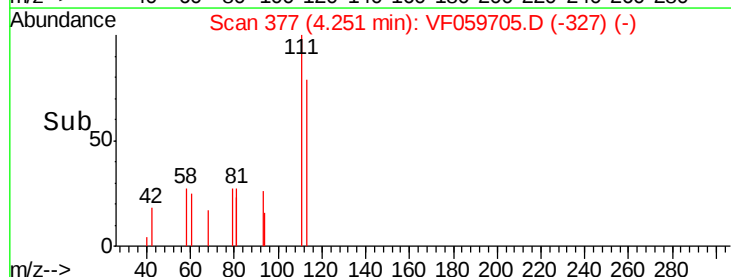
42 100

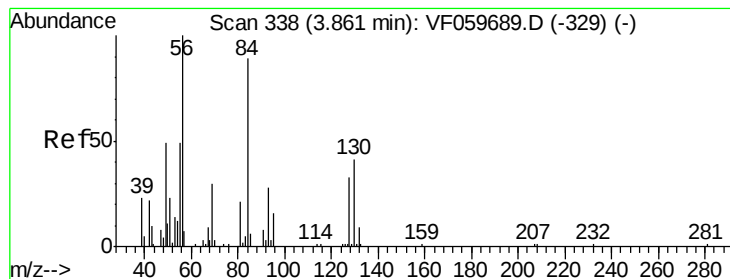
72 0.0 27.0 40.6#

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: 3.78 min Scan# 329

Delta R.T. -0.08 min

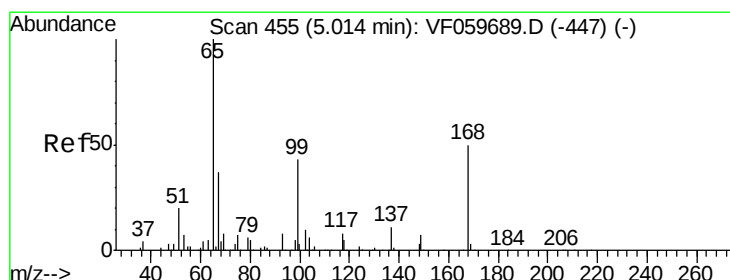
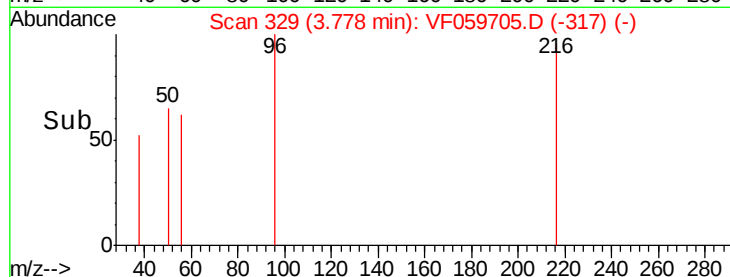
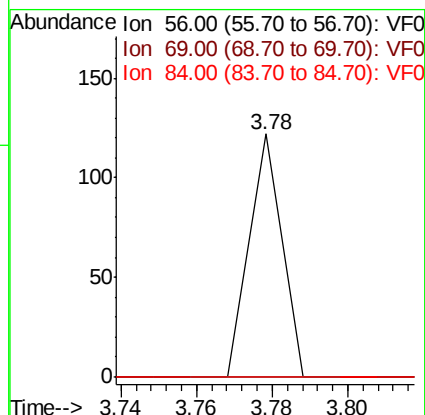
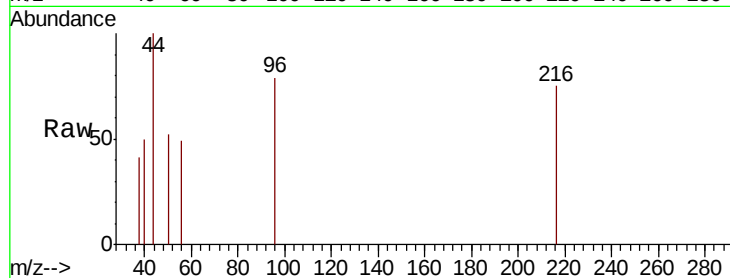
Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 72

Ion	Ratio	Lower	Upper
56	100		
69	0.0	23.7	35.5#
84	0.0	71.1	106.7#



#33

1,2-Dichloroethane-d4

Concen: 17.711 ug/l

RT: 5.02 min Scan# 455

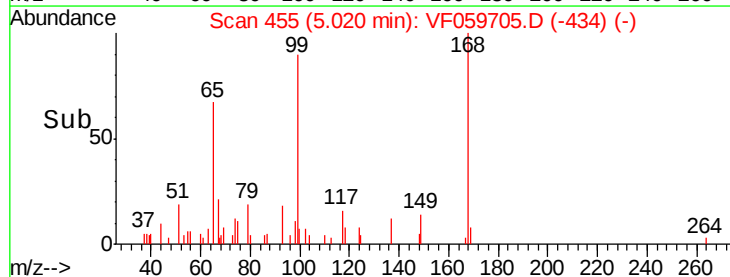
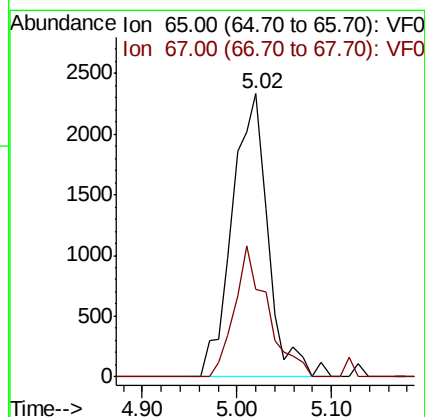
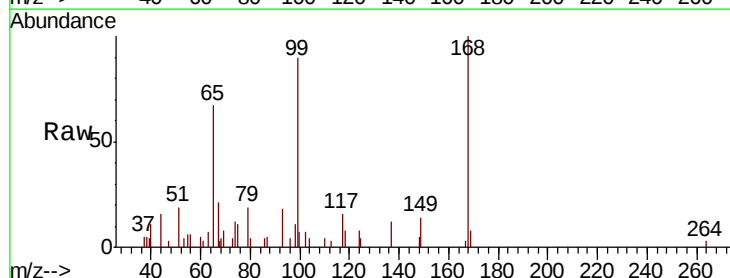
Delta R.T. 0.01 min

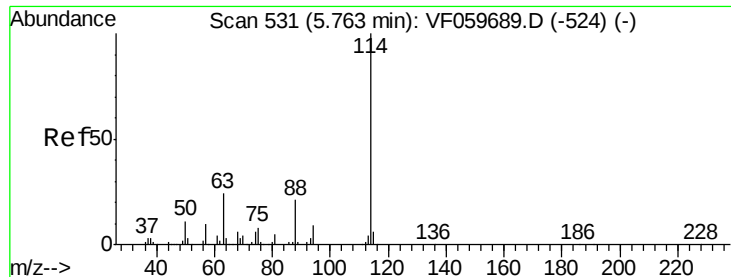
Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Tgt Ion: 65 Resp: 6133

Ion	Ratio	Lower	Upper
65	100		
67	30.9	0.0	84.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

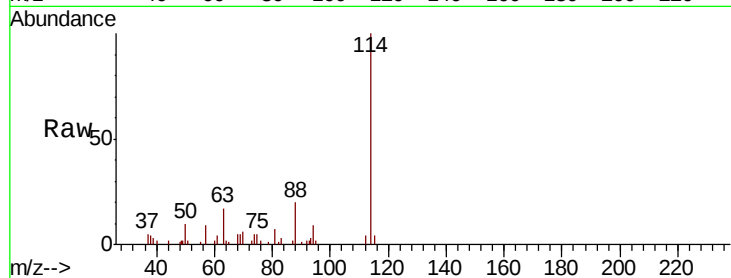
Tot Ion:114 Resp: 21858

Ion Ratio Lower Upper

114 100

63 17.4 0.0 47.4

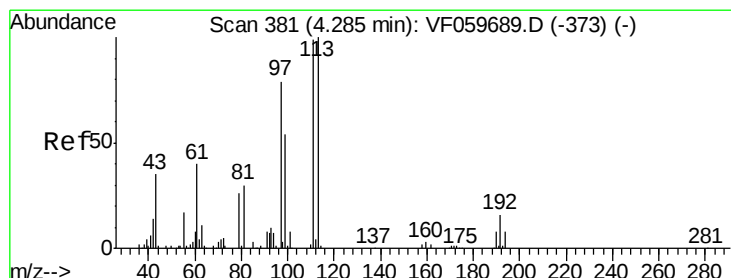
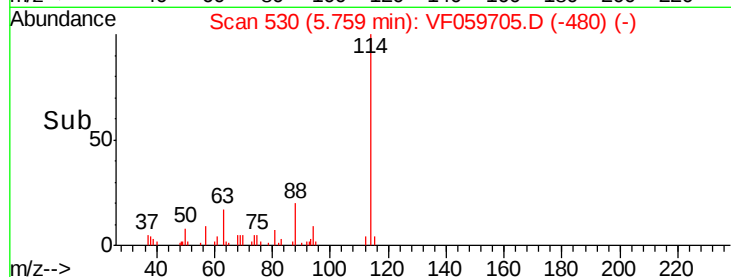
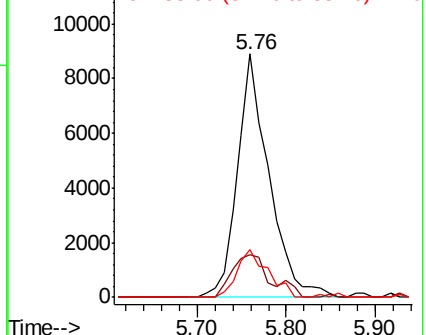
88 19.6 0.0 41.2



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: 32.300 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

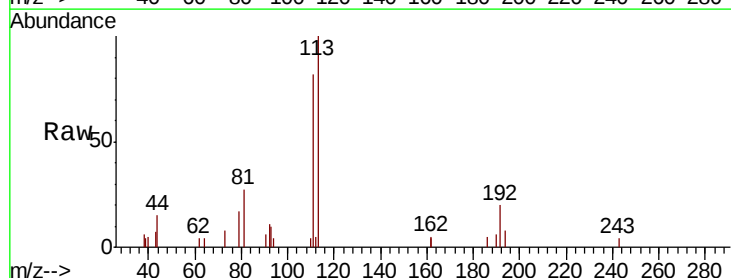
Tgt Ion:113 Resp: 7333

Ion Ratio Lower Upper

113 100

111 82.5 79.0 118.4

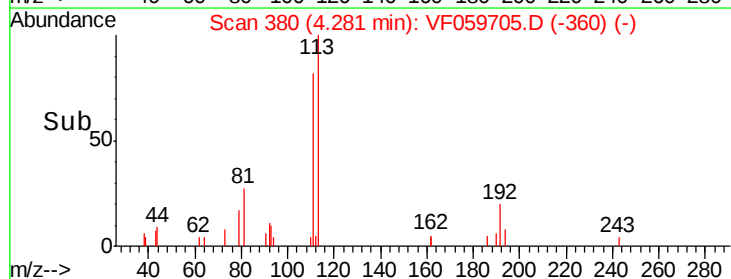
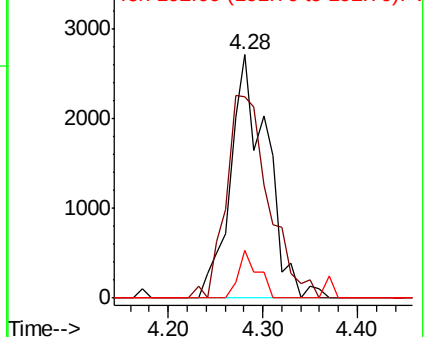
192 19.6 13.2 19.8

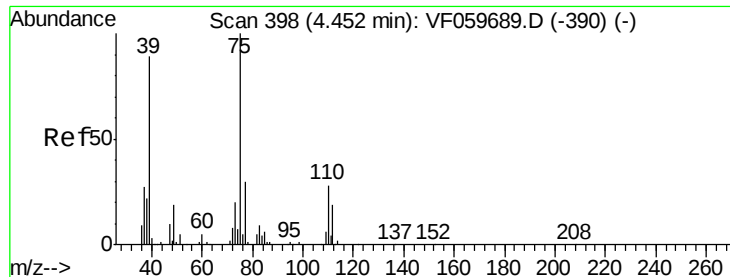


Abundance Ion 113.00 (112.70 to 113.70): V

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: 4.59 min Scan# 411

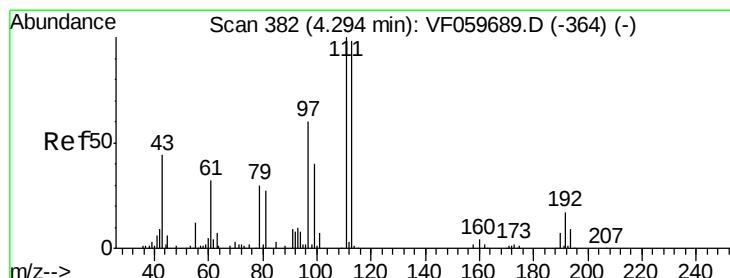
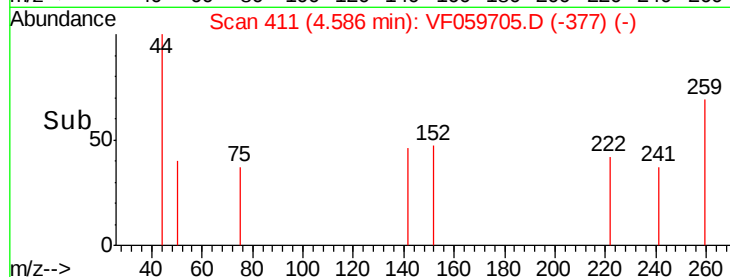
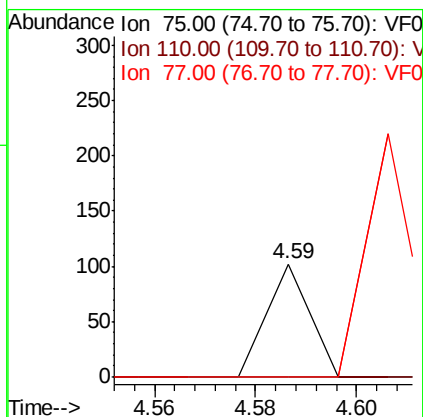
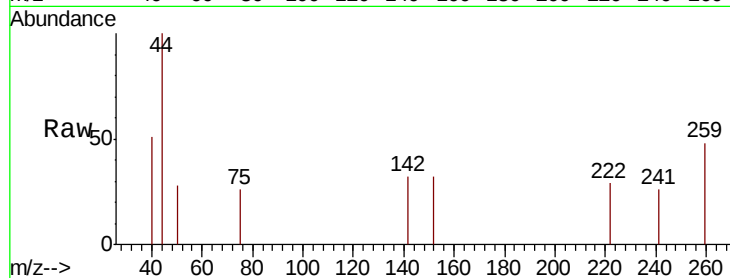
Delta R.T. 0.13 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 60
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

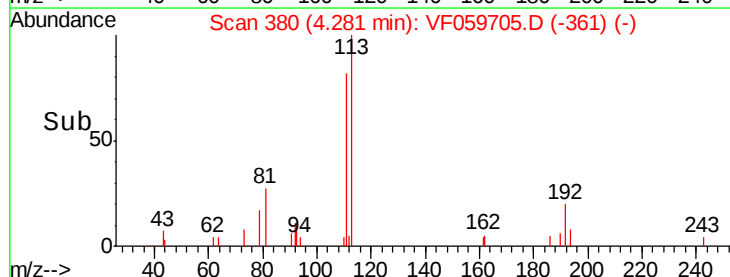
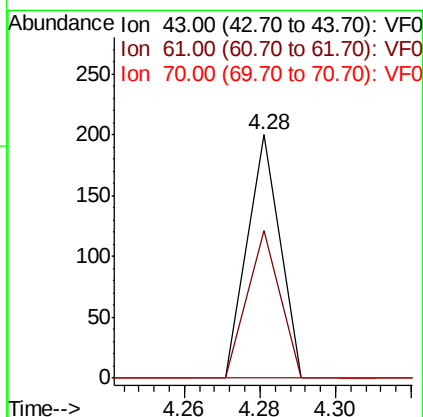
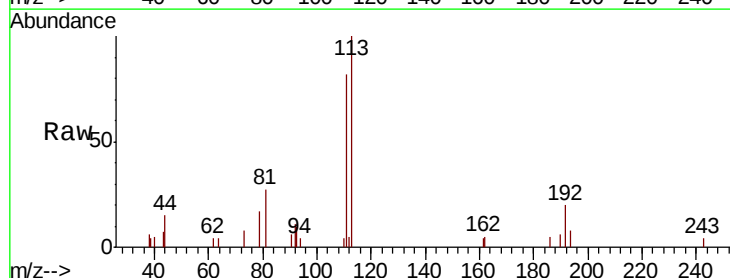
RT: 4.28 min Scan# 380

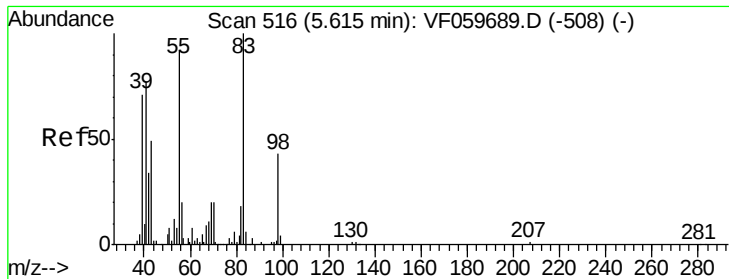
Delta R.T. -0.01 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
61 60.5 58.2 87.2
70 0.0 6.0 9.0#

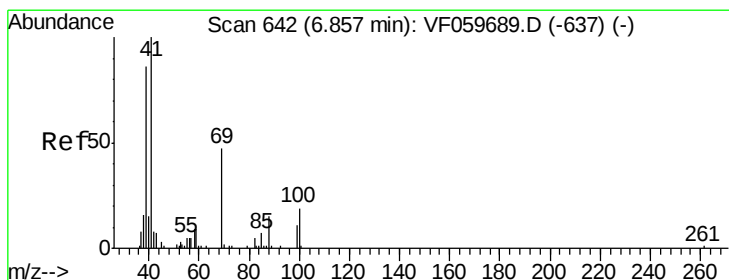
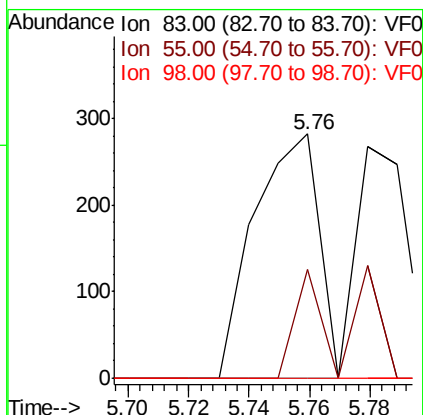
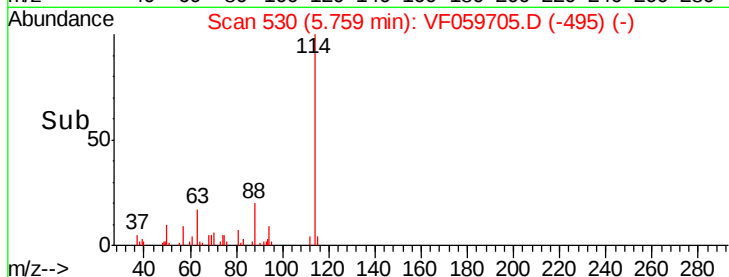
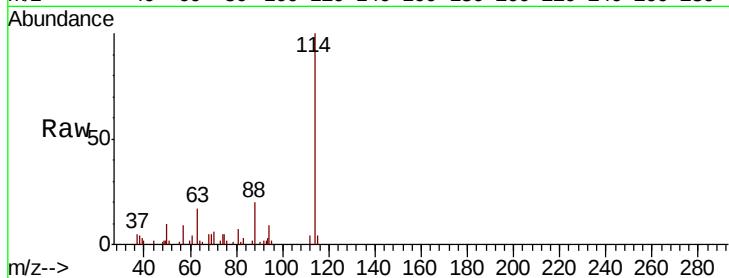




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.76 min Scan# 530
Delta R.T. 0.14 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

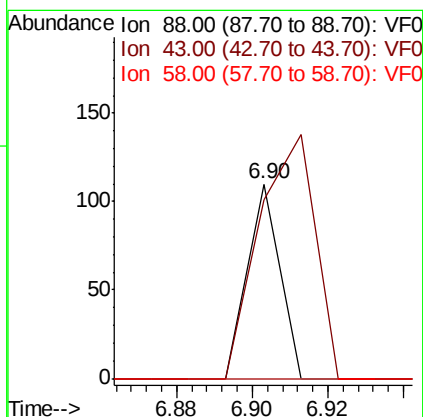
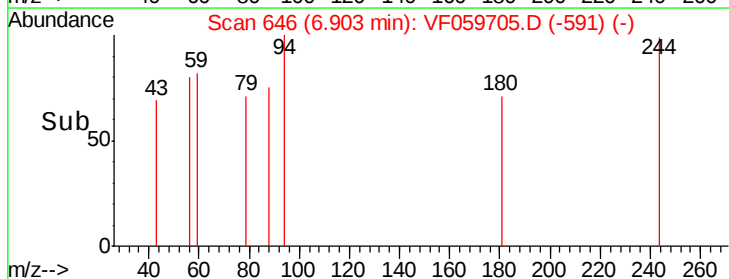
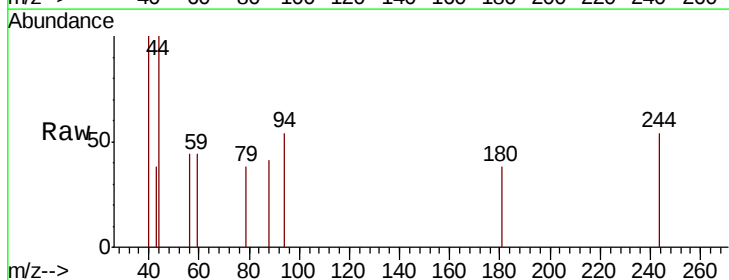
Instrument :
MSVOA_F
ClientSampleId :

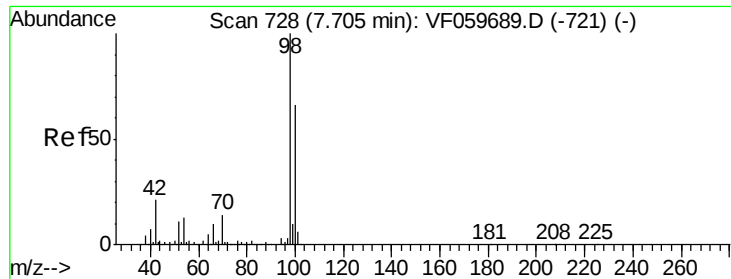
Tot Ion	Ratio	Lower	Upper
83	100		
55	44.3	73.4	110.2#
98	0.0	34.2	51.4#



#49
1,4-Dioxane
Concen: 1.185 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.05 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
88	100		
43	91.8	45.2	67.8#
58	0.0	49.0	73.6#





#50

Toluene-d8

Concen: 39.183 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

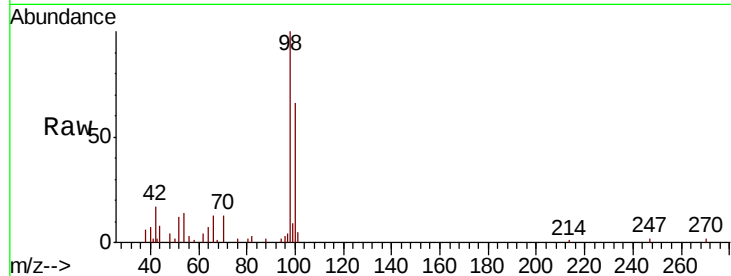
ClientSampleId :

Tot Ion: 98 Resp: 20744

Ion Ratio Lower Upper

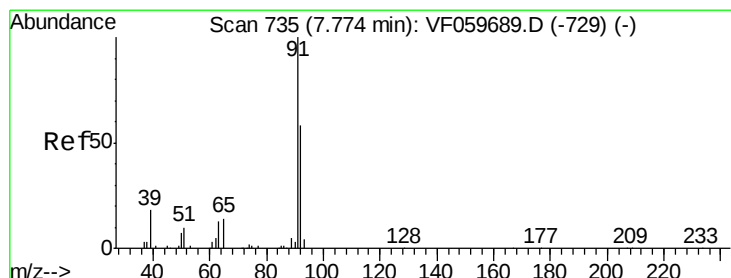
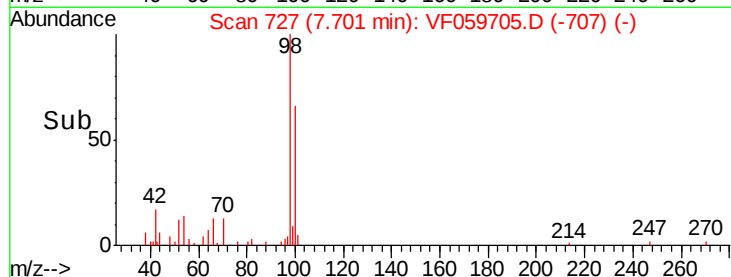
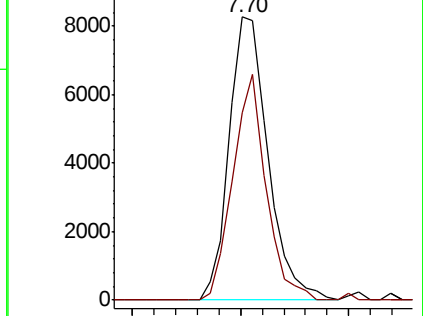
98 100

100 66.1 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: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059705.D

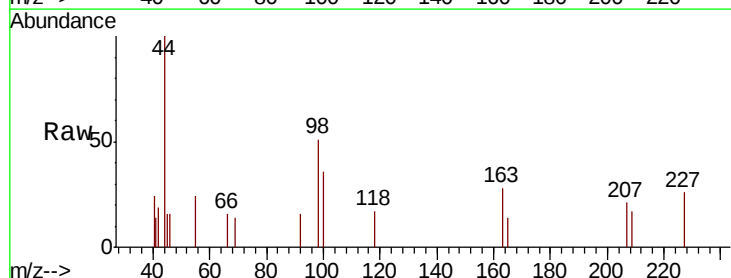
Acq: 31 Jul 2018 13:19

Tgt Ion: 92 Resp: 70

Ion Ratio Lower Upper

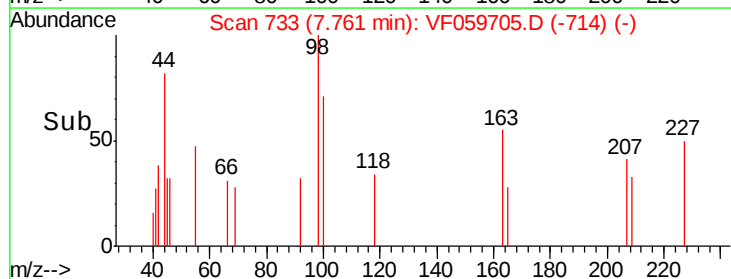
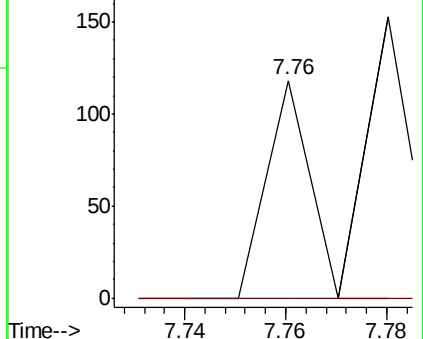
92 100

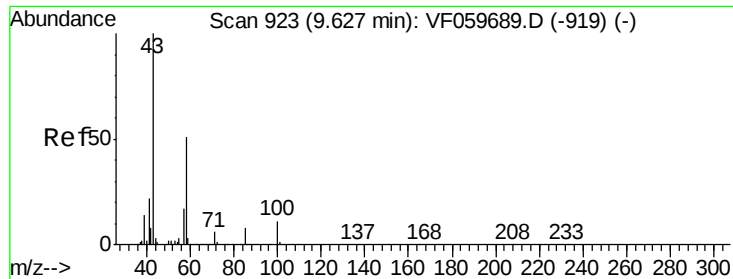
91 0.0 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

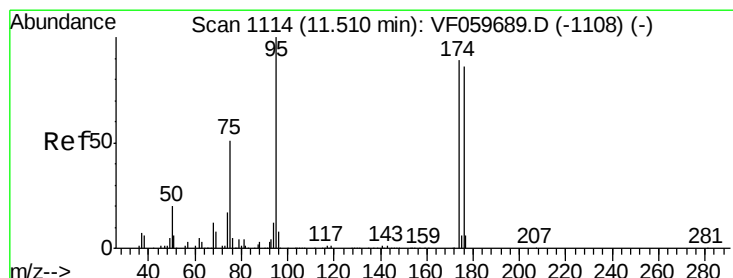
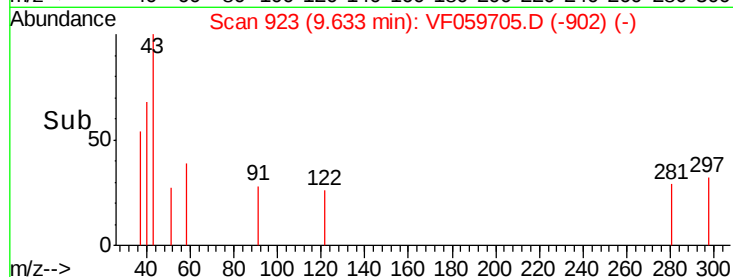
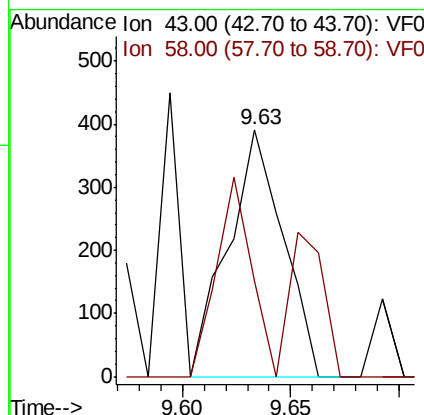
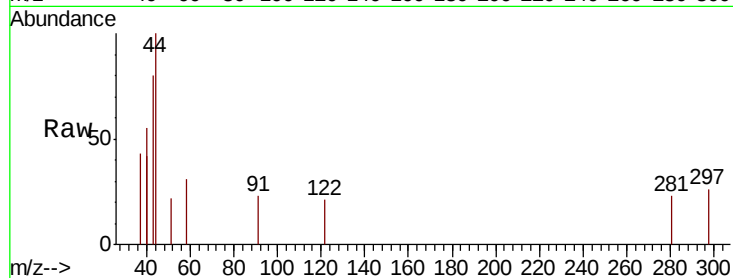




#59
2-Hexanone
Concen: 8.685 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

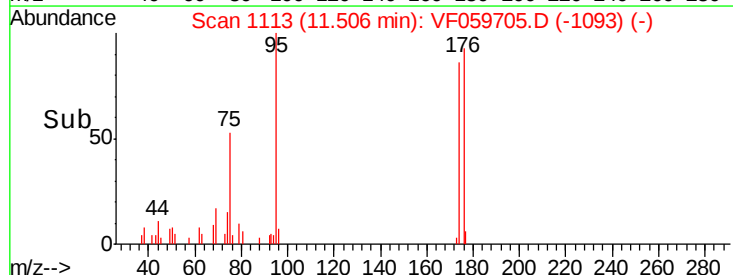
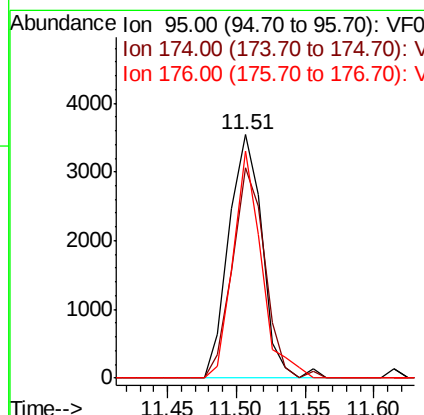
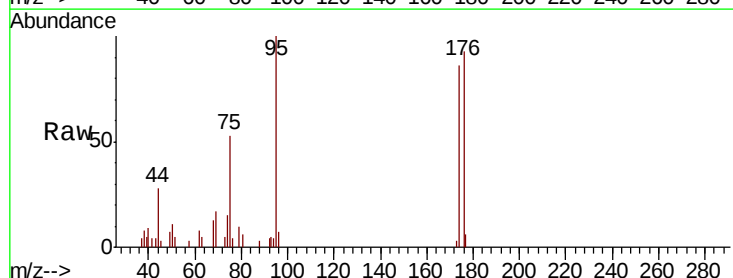
Instrument :
MSVOA_F
ClientSampled :

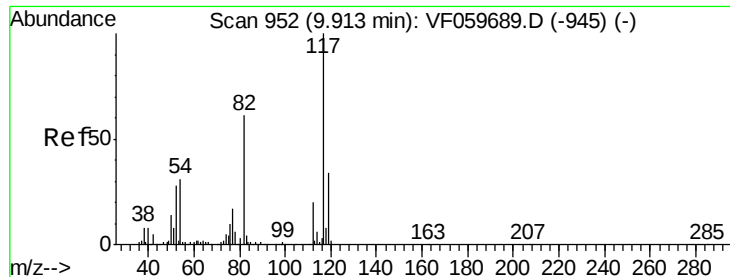
Tot Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
58 38.6 23.3 69.8



#62
4-Bromofluorobenzene
Concen: 20.495 ug/l
RT: 11.51 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

Tgt Ion: 95 Resp: 6007
Ion Ratio Lower Upper
95 100
174 86.3 0.0 178.4
176 93.1 0.0 173.0

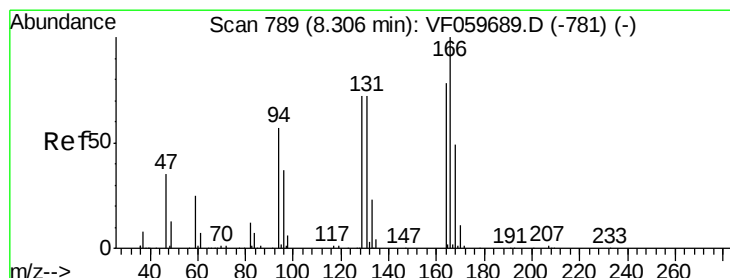
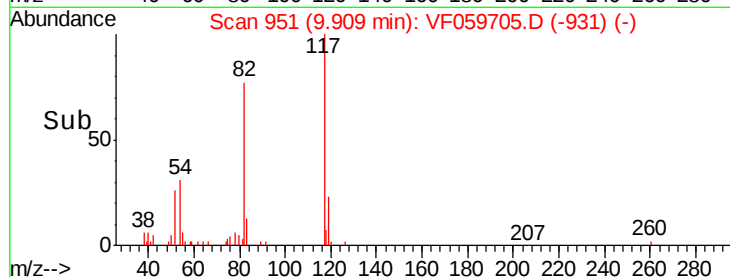
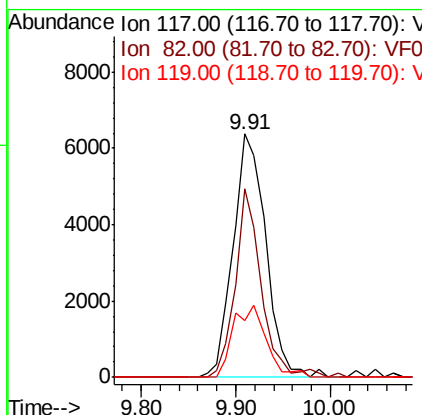
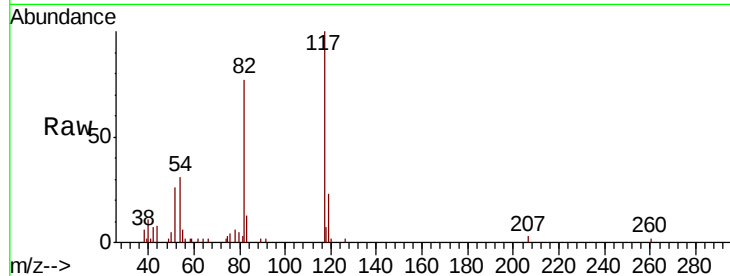




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

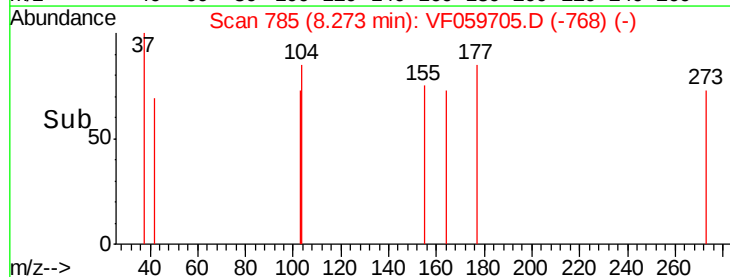
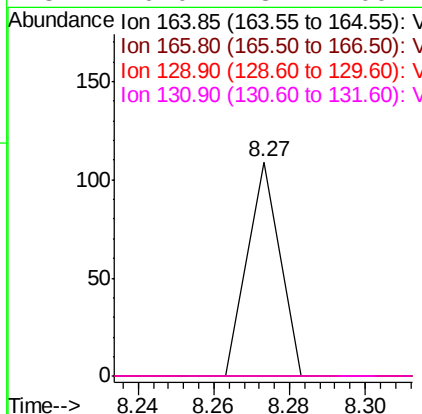
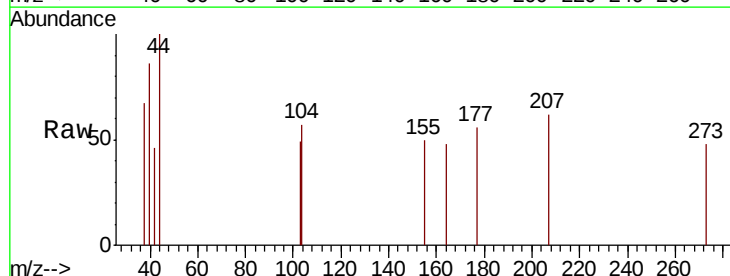
Instrument :
MSVOA_F
ClientSampleId :

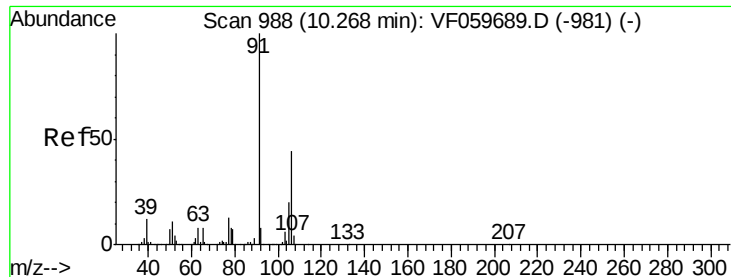
Tot Ion	Ratio	Lower	Upper
117	100		
82	77.4	49.0	73.4#
119	23.2	27.3	40.9#



#64
Tetrachloroethene
Concen: Below Cal
RT: 8.27 min Scan# 785
Delta R.T. -0.03 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	0.0	102.1	153.1#
129	0.0	73.8	110.6#
131	0.0	73.1	109.7#

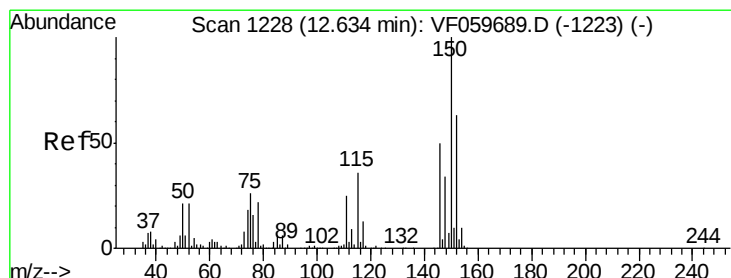
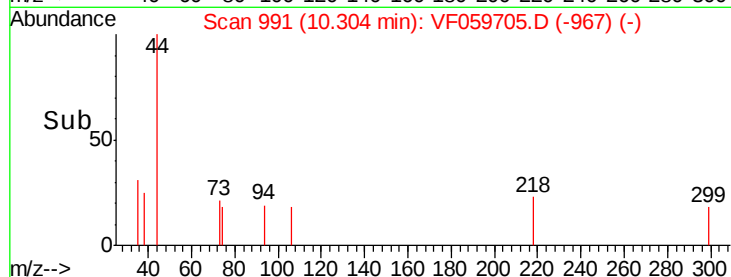
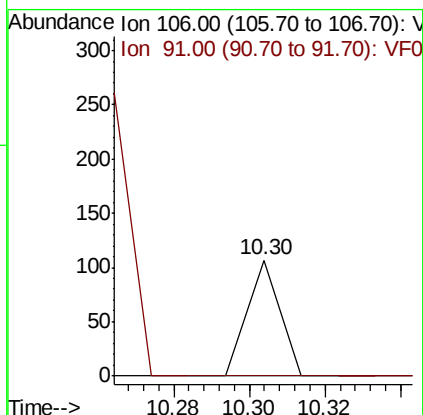
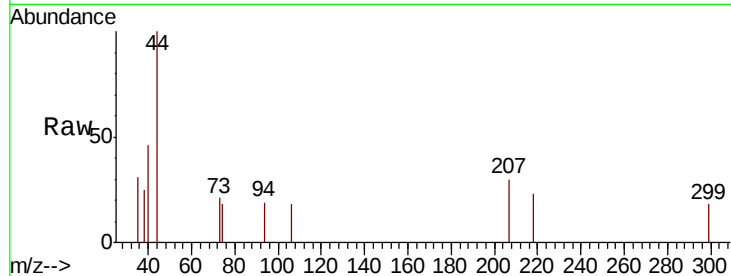




#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.30 min Scan# 991
Delta R.T. 0.04 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

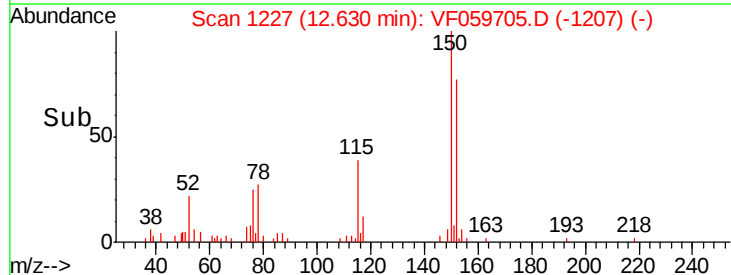
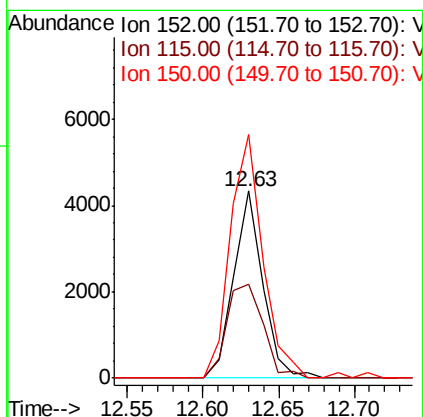
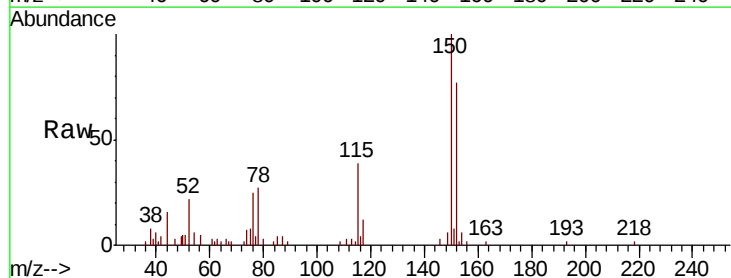
Instrument :
MSVOA_F
ClientSampled :

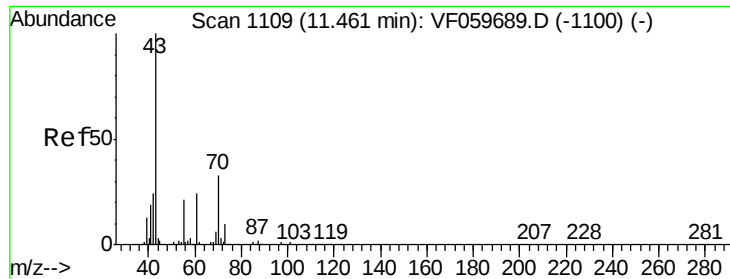
Tot Ion:106 Resp: 63
Ion Ratio Lower Upper
106 100
91 0.0 181.7 272.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059705.D
Acq: 31 Jul 2018 13:19

Tgt Ion:152 Resp: 5790
Ion Ratio Lower Upper
152 100
115 50.4 28.2 84.6
150 130.3 0.0 316.2





#74

N-amvl acetate

Concen: 7.001 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 43 Resp: 671

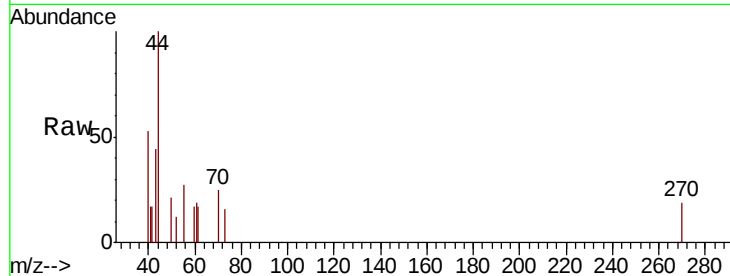
Ion Ratio Lower Upper

43 100

70 55.9 26.3 39.5#

55 61.7 16.6 25.0#

61 79.5 19.1 28.7#

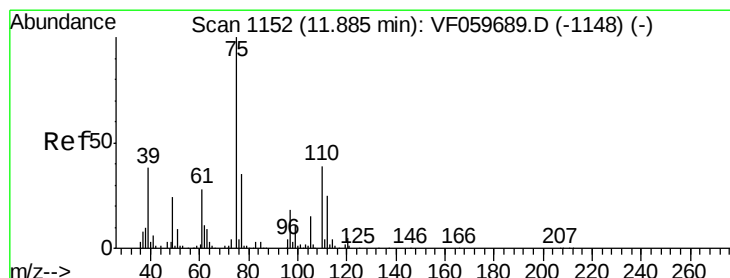
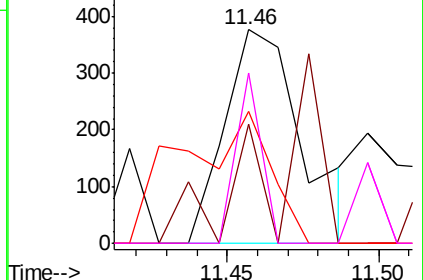
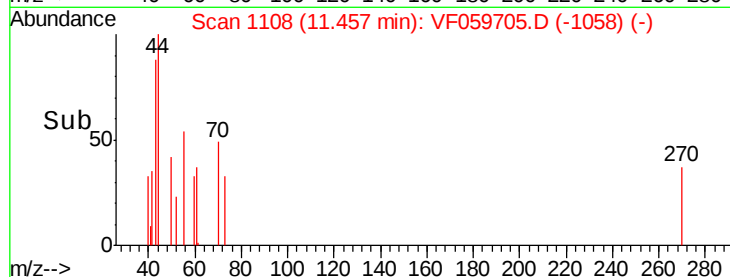


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 2.319 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF059705.D

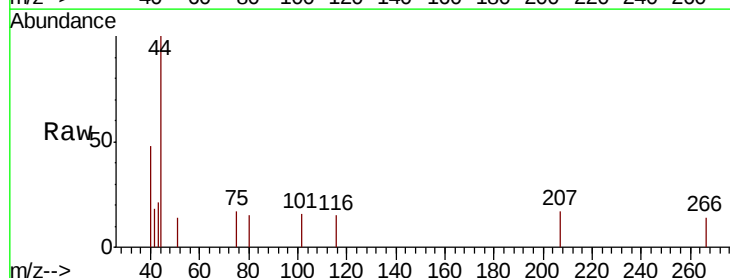
Acq: 31 Jul 2018 13:19

Tgt Ion: 75 Resp: 141

Ion Ratio Lower Upper

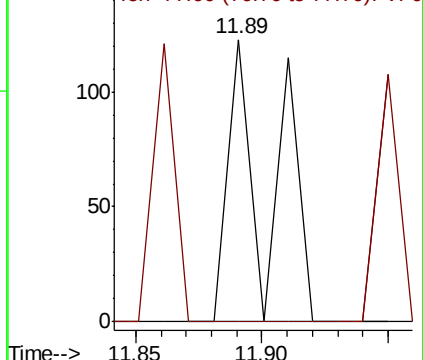
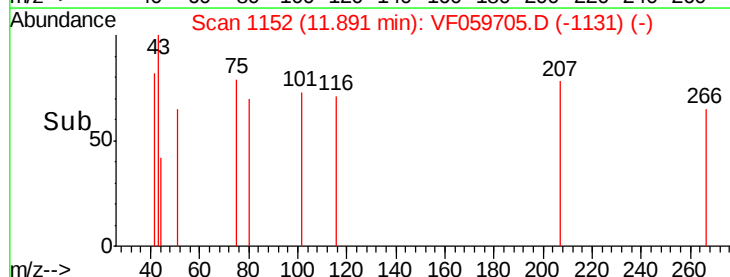
75 100

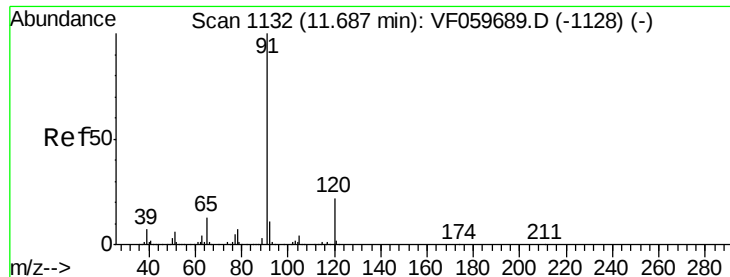
77 0.0 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#78

n-propylbenzene

Concen: Below Cal

RT: 11.70 min Scan# 1133

Delta R.T. 0.02 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

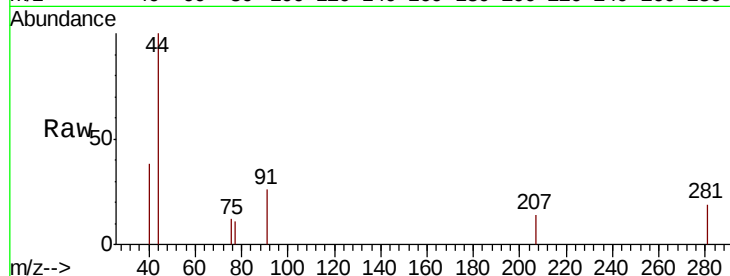
ClientSampled :

Tot Ion: 91 Resp: 231

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.70

250

200

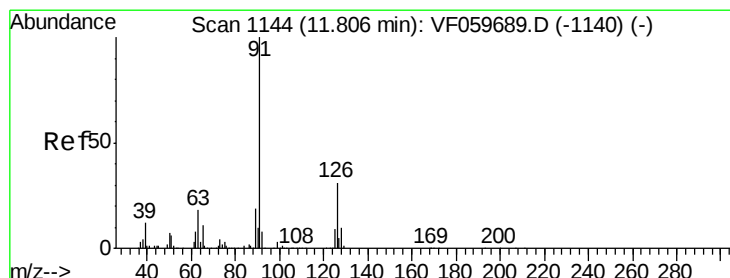
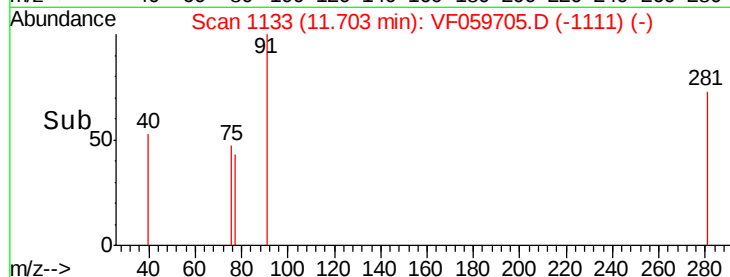
150

100

50

0

Time--> 11.65 11.70



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF059705.D

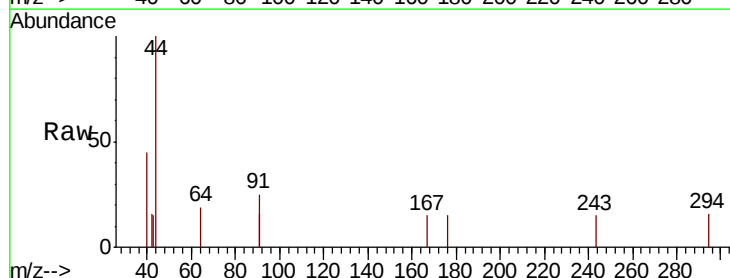
Acq: 31 Jul 2018 13:19

Tgt Ion: 91 Resp: 67

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

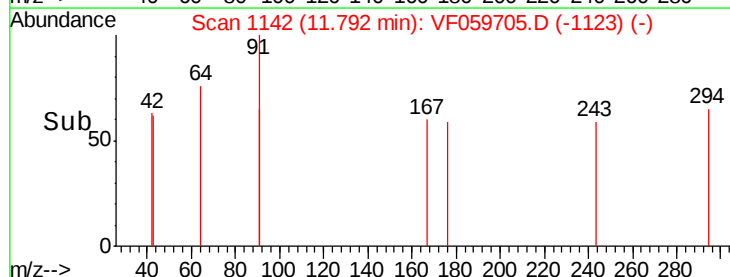
11.79

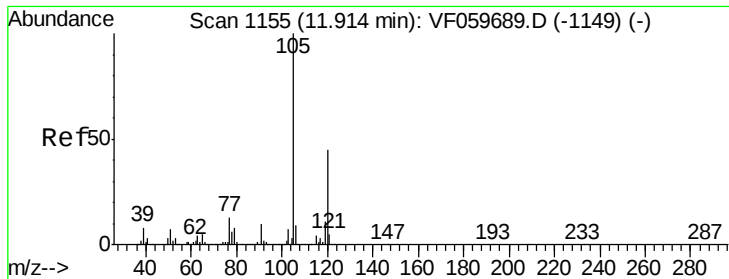
100

50

0

Time--> 11.76 11.78 11.80 11.82





#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

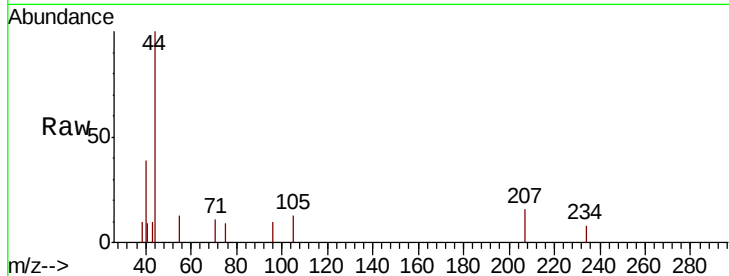
ClientSampleId :

Tot Ion:105 Resp: 93

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

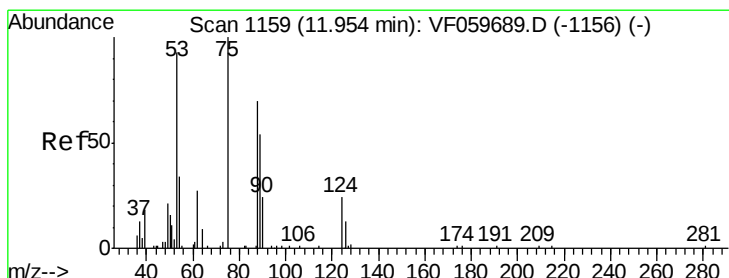
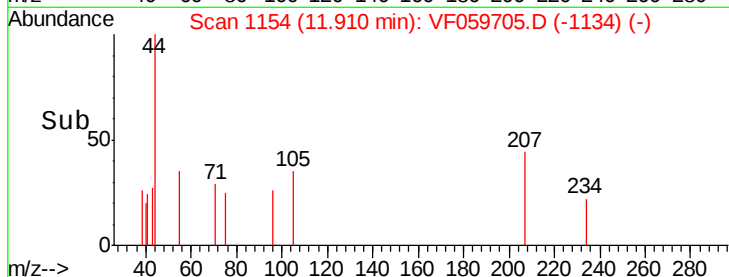
150

100

50

0

Time--> 11.88 11.90 11.92 11.94



#81

trans-1,4-Dichloro-2-butene

Concen: 5.599 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.06 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

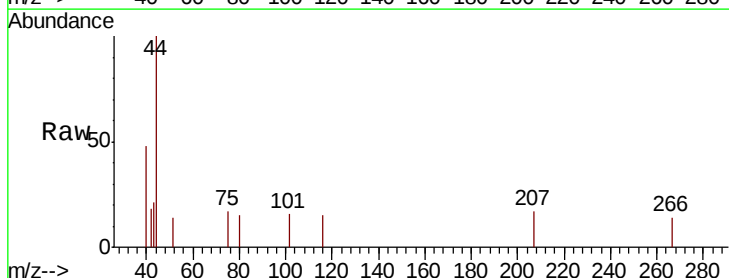
Tgt Ion: 75 Resp: 141

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

89 0.0 45.4 68.2#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

11.89

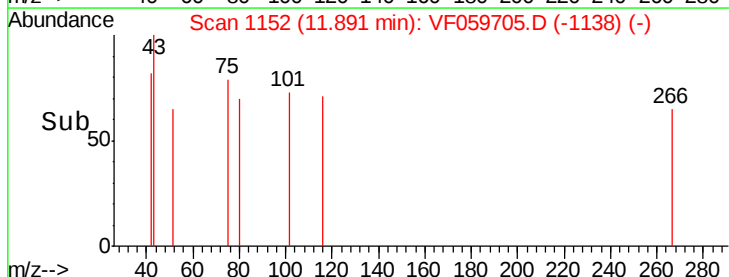
150

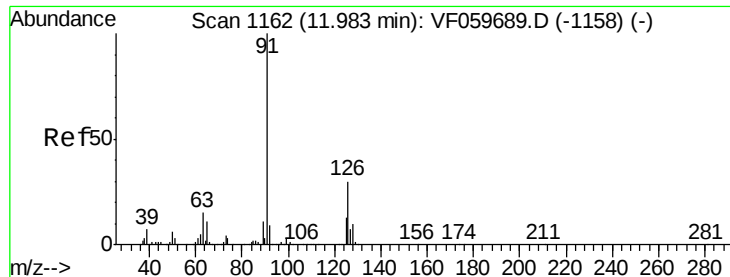
100

50

0

Time--> 11.85 11.90





#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.07 min Scan# 1170

Delta R.T. 0.09 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

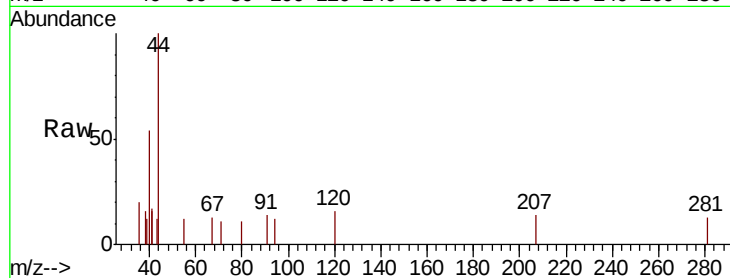
ClientSampleId :

Tot Ion: 91 Resp: 82

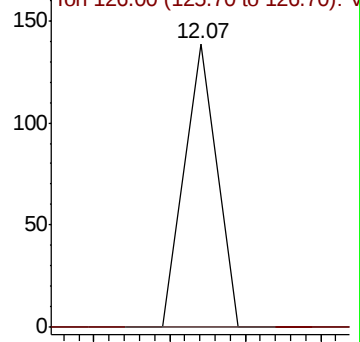
Ion Ratio Lower Upper

91 100

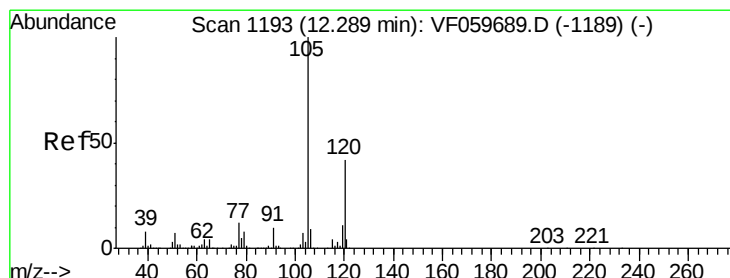
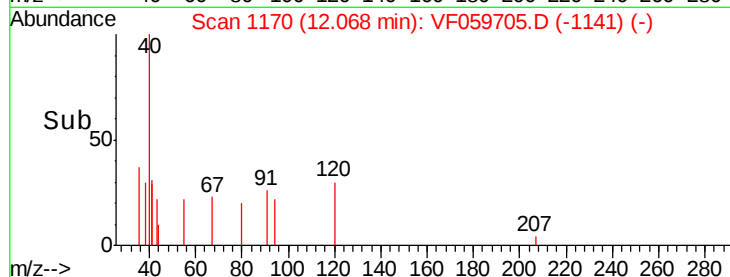
126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF059705.D (-1170) (-)



Time-->



#84

1,2,4-Trimethylbenzene

Concen: Below Cal

RT: 12.27 min Scan# 1190

Delta R.T. -0.02 min

Lab File: VF059705.D

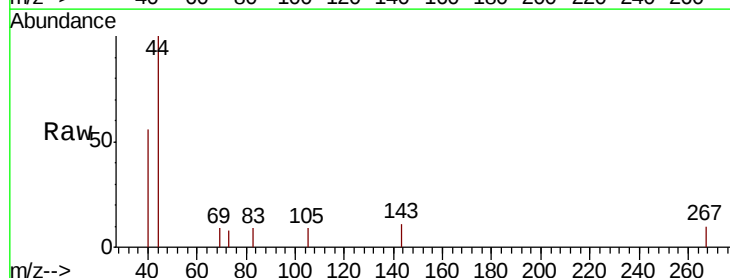
Acq: 31 Jul 2018 13:19

Tgt Ion: 105 Resp: 196

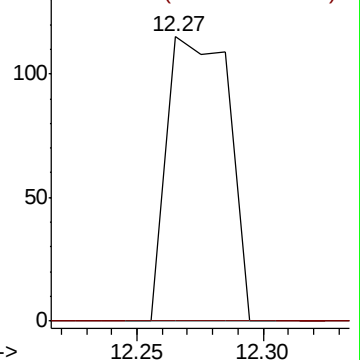
Ion Ratio Lower Upper

105 100

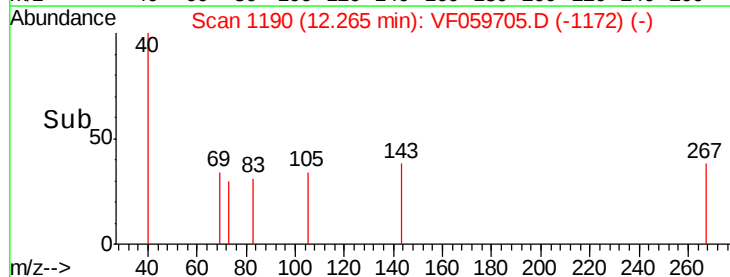
120 0.0 21.1 63.3#

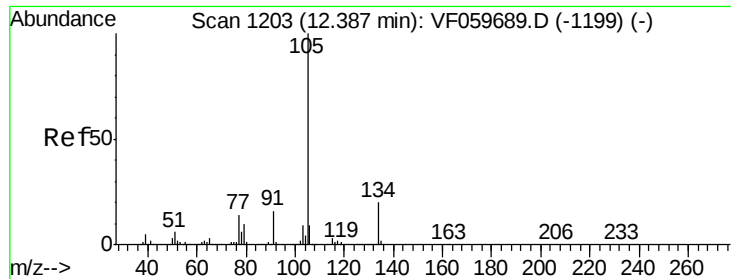


Abundance Ion 105.00 (104.70 to 105.70): VF059705.D (-1190) (-)



Time-->

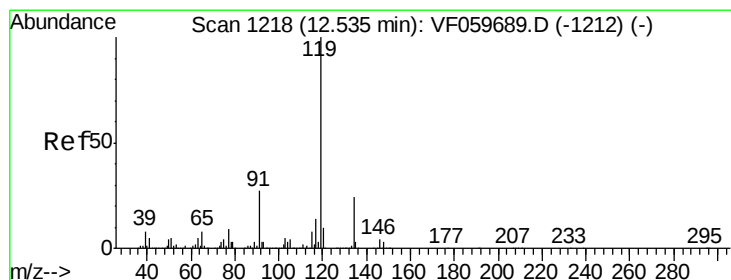
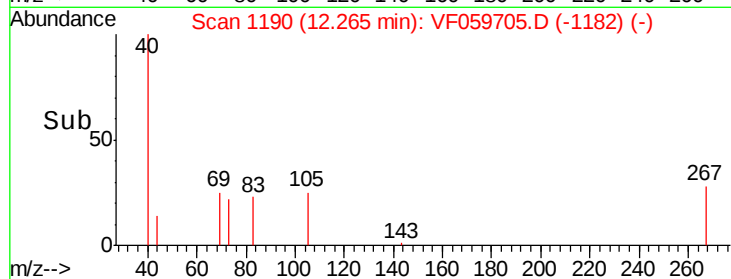
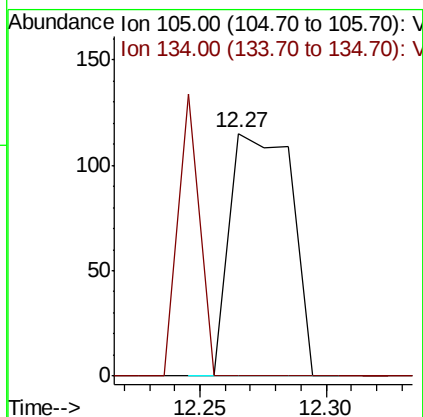
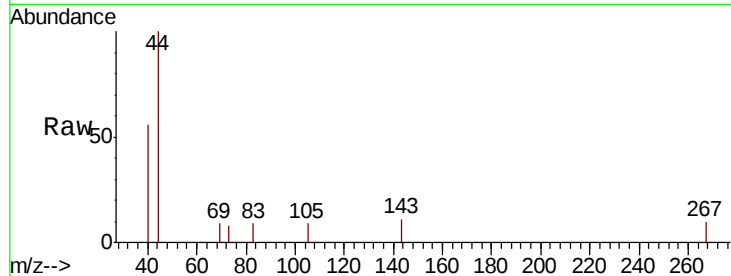




#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.27 min Scan# 1190
 Delta R.T. -0.12 min
 Lab File: VF059705.D
 Acq: 31 Jul 2018 13:19

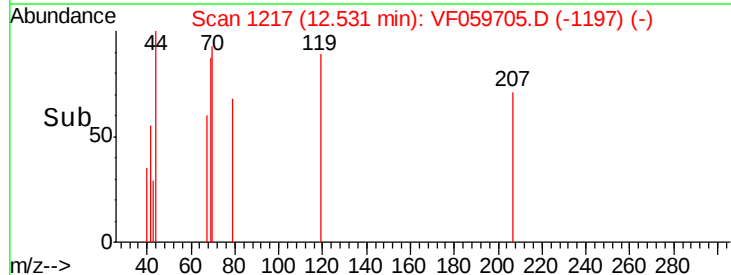
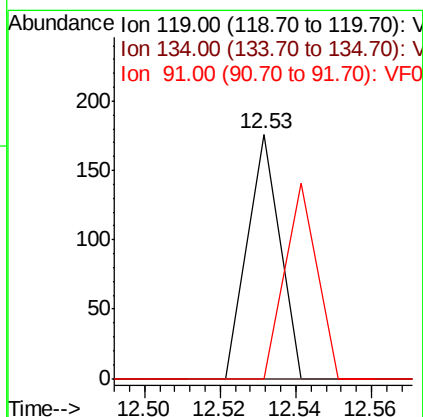
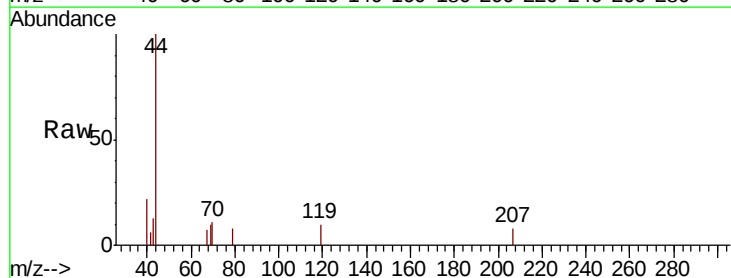
Instrument :
 MSVOA_F
 ClientSampleId :

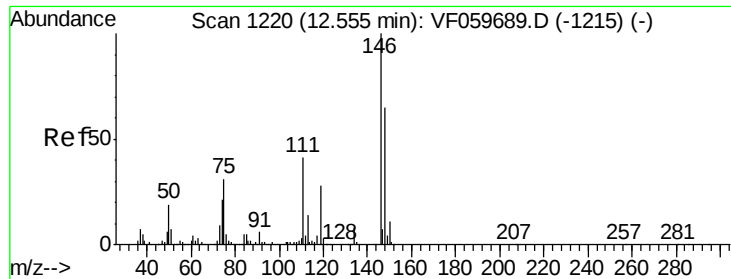
Tot Ion:105 Resp: 196
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059705.D
 Acq: 31 Jul 2018 13:19

Tgt Ion:119 Resp: 104
 Ion Ratio Lower Upper
 119 100
 134 0.0 12.2 36.6#
 91 0.0 13.4 40.2#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1228

Delta R.T. 0.09 min

Lab File: VF059705.D

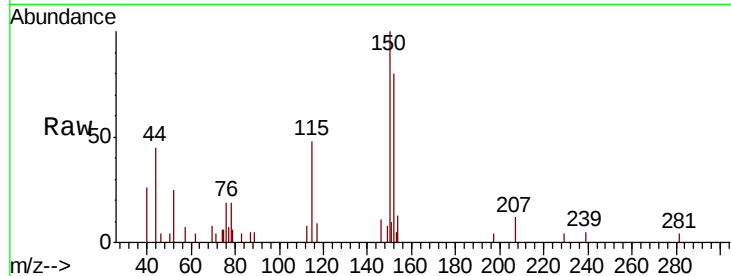
Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

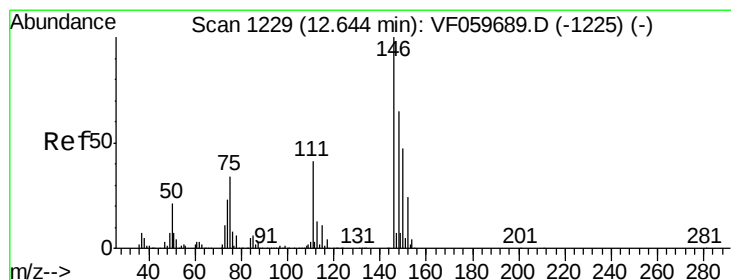
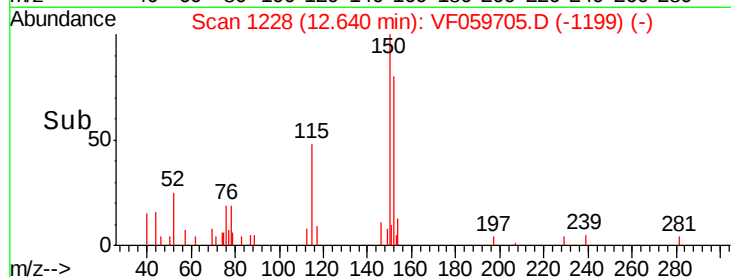
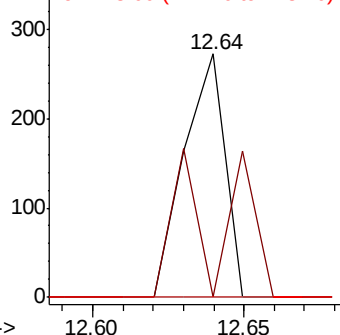
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.7	62.1#
148	0.0	32.3	96.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: Below Cal

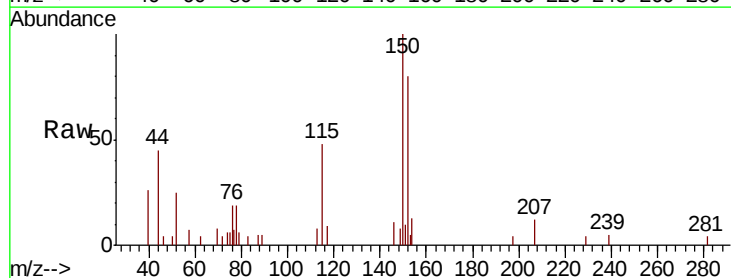
RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

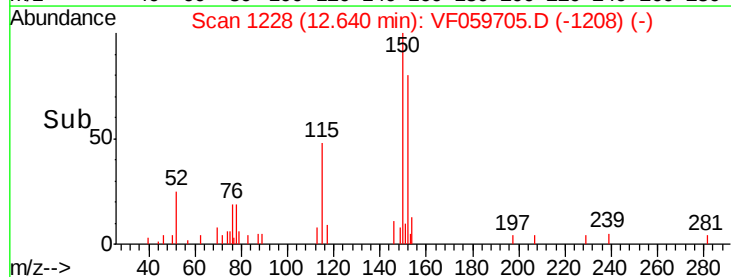
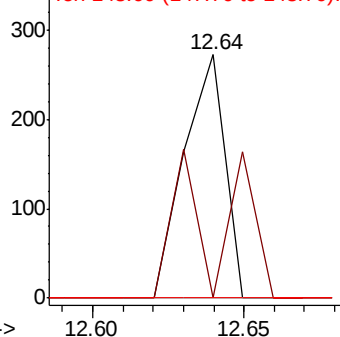
Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.2#
148	0.0	32.3	96.9#

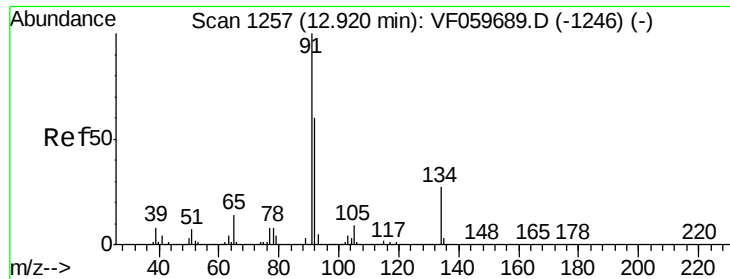


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.92 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059705.D

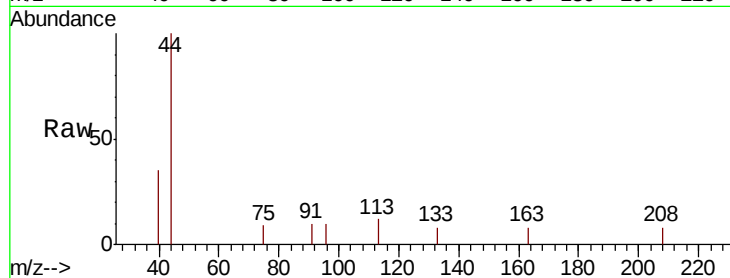
Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

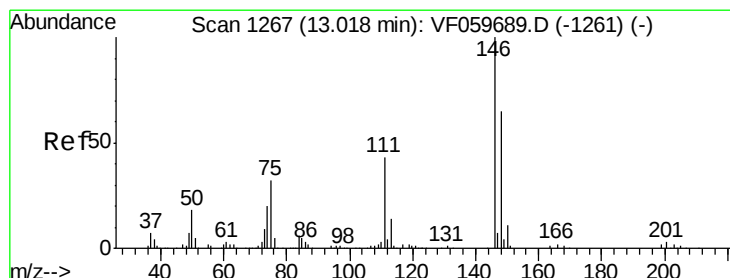
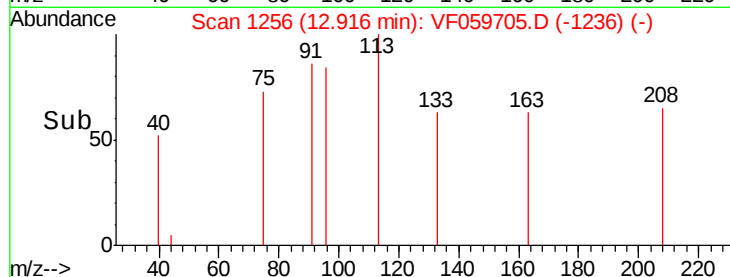
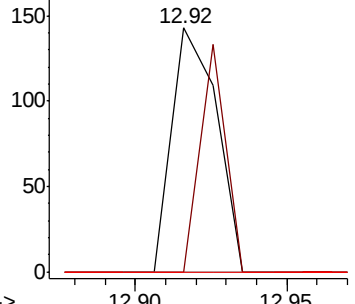
Tot Ion:	91	Resp:	149
Ion	Ratio	Lower	Upper
91	100		
92	0.0	30.1	90.3#
134	0.0	13.7	41.0#



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

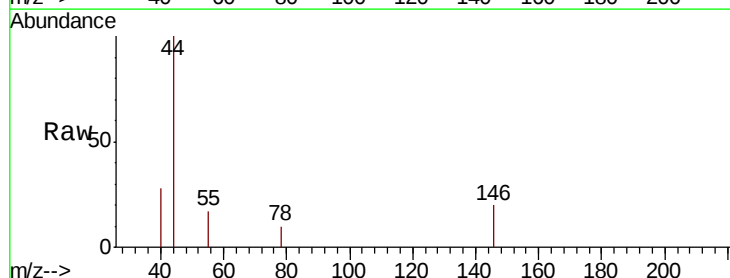
RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

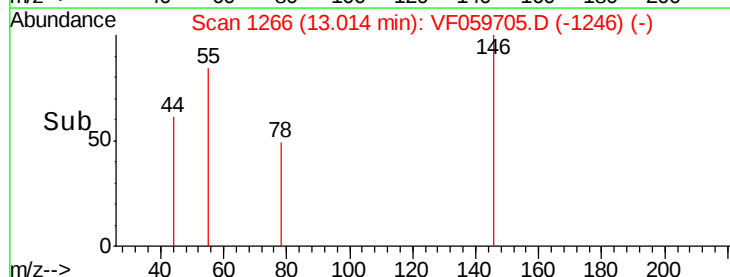
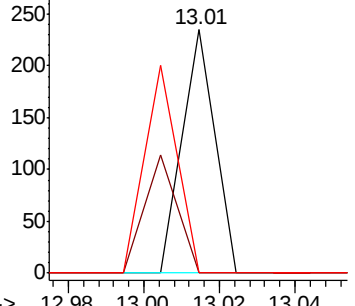
Tgt Ion:	146	Resp:	139
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.6	65.0#
148	0.0	32.3	96.9#

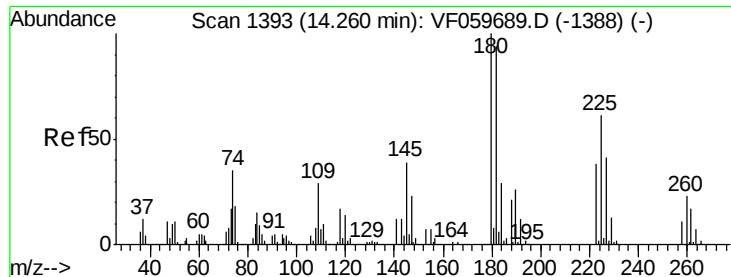


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

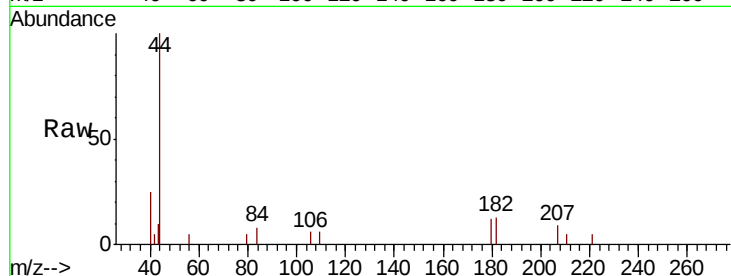




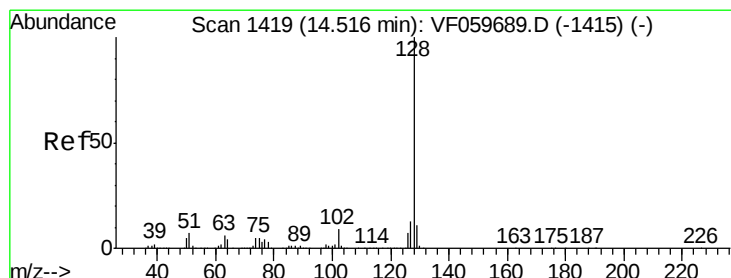
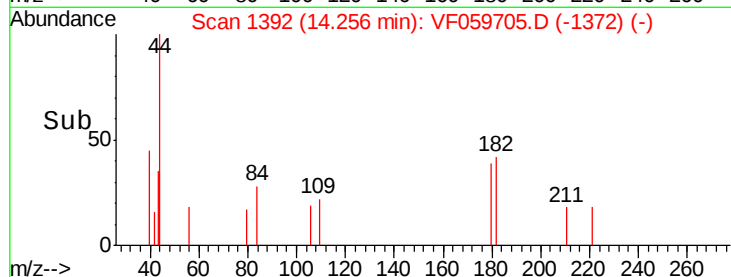
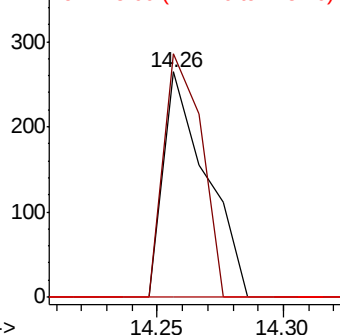
#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059705.D
 Acq: 31 Jul 2018 13:19

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 313
 Ion Ratio Lower Upper
 180 100
 182 108.3 47.2 141.6
 145 0.0 19.3 57.9#

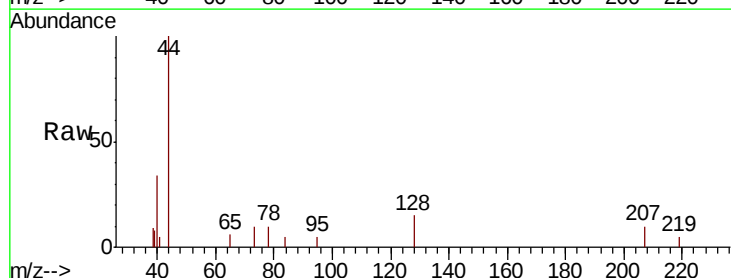


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

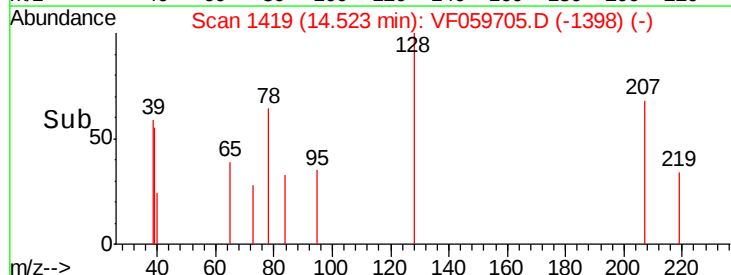
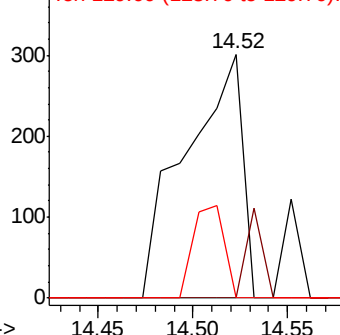


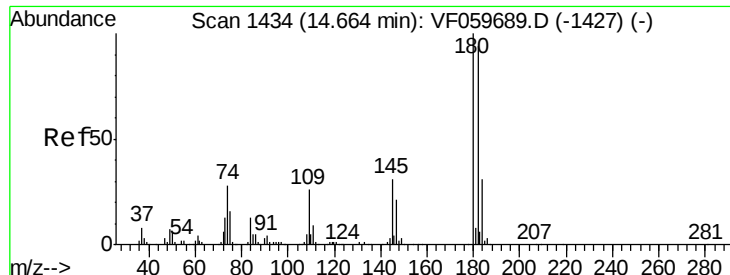
#95
 Naphthalene
 Concen: 2.516 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VF059705.D
 Acq: 31 Jul 2018 13:19

Tgt Ion:128 Resp: 628
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.6 13.0#



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: 1.587 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059705.D

Acq: 31 Jul 2018 13:19

Instrument :

MSVOA_F

ClientSampleId :

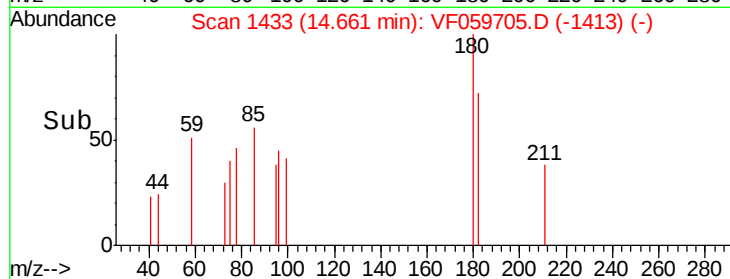
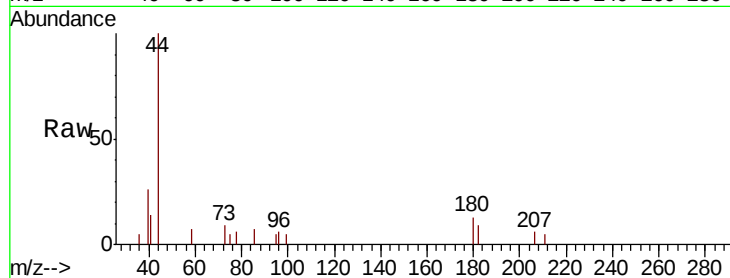
Tot Ion:180 Resp: 219

Ion Ratio Lower Upper

180 100

182 72.4 47.2 141.6

145 0.0 15.6 46.7#



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

