

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082718\
 Data File : VF060135.D
 Acq On : 27 Aug 2018 19:57
 Operator : VA/AP
 Sample : J4646-04MS
 Misc : 5.28g/5mL/MSVOA_F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 28 01:13:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	107827	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	141614	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	134242	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	72191	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	43846	29.71	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	59.42%	
35) Dibromofluoromethane	4.28	113	52426	47.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	7.69	98	203641	64.48	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	128.96%	
62) 4-Bromofluorobenzene	11.51	95	71434	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	83895	59.098	ug/l	99
3) Chloromethane	1.08	50	35519	37.633	ug/l	96
4) Vinyl Chloride	1.13	62	34710	39.381	ug/l	95
5) Bromomethane	1.32	94	16449	24.559	ug/l	96
6) Chloroethane	1.40	64	23238	66.884	ug/l #	89
7) Trichlorofluoromethane	1.49	101	165303	93.264	ug/l	99
8) Diethyl Ether	1.69	74	10525	33.215	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	68145	73.246	ug/l	98
10) Methyl Iodide	1.93	142	31920	25.950	ug/l	97
11) Tert butyl alcohol	2.60	59	4238	53.981	ug/l #	86
12) 1,1-Dichloroethene	1.83	96	46055	67.190	ug/l	96
13) Acrolein	2.08	56	2564	74.152	ug/l	96
14) Allyl chloride	2.18	41	45649	37.499	ug/l	90
15) Acrylonitrile	3.06	53	12039	77.706	ug/l #	84
16) Acetone	2.31	43	29189	75.258	ug/l	95
17) Carbon Disulfide	1.85	76	101632	47.357	ug/l	99
18) Methyl Acetate	2.43	43	20161	28.677	ug/l	92
19) Methyl tert-butyl Ether	2.51	73	58793	26.772	ug/l	95
20) Methylene Chloride	2.28	84	35561	46.162	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	45606	59.464	ug/l	91
22) Diisopropyl ether	2.89	45	98469	36.123	ug/l	96
23) Vinyl Acetate	3.30	43	67119	46.478	ug/l	99
24) 1,1-Dichloroethane	2.99	63	87783	52.129	ug/l	97
25) 2-Butanone	4.47	43	30822	61.180	ug/l	95
26) 2,2-Dichloropropane	3.74	77	56863	32.638	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	37858	34.834	ug/l	87
28) Bromochloromethane	3.88	49	21681	30.495	ug/l	95
29) Tetrahydrofuran	4.21	42	12920	67.924	ug/l	94
30) Chloroform	4.01	83	104772	44.325	ug/l	99
31) Cyclohexane	3.86	56	57397	44.732	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	125682	62.090	ug/l	98
36) 1,1-Dichloropropene	4.45	75	77728	58.406	ug/l	96
37) Ethyl Acetate	4.25	43	12665	15.913	ug/l #	1
38) Carbon Tetrachloride	4.16	117	114692	74.426	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082718\
 Data File : VF060135.D
 Acq On : 27 Aug 2018 19:57
 Operator : VA/AP
 Sample : J4646-04MS
 Misc : 5.28g/5mL/MSVOA_F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 28 01:13:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	66129	52.996	ug/l #	86
40) Benzene	4.79	78	131926	45.381	ug/l	99
41) Methacrylonitrile	4.88	41	7475	18.568	ug/l #	81
42) 1,2-Dichloroethane	5.10	62	53710	34.456	ug/l	99
43) Isopropyl Acetate	7.09	43	14342	14.317	ug/l #	95
44) Trichloroethene	5.66	130	52487	54.615	ug/l	98
45) 1,2-Dichloropropane	6.39	63	32127	39.069	ug/l	95
46) Dibromomethane	6.24	93	17966	27.921	ug/l	98
47) Bromodichloromethane	6.53	83	66210	42.601	ug/l	90
48) Methyl methacrylate	6.85	41	15430	23.278	ug/l	89
49) 1,4-Dioxane	6.84	88	1895	297.799	ug/l #	73
51) 4-Methyl-2-Pentanone	8.38	43	91973	106.322	ug/l	99
52) Toluene	7.77	92	108085	58.645	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	43108	30.586	ug/l	90
54) cis-1,3-Dichloropropene	7.44	75	48334	30.728	ug/l #	85
55) 1,1,2-Trichloroethane	8.63	97	21769	27.752	ug/l	93
56) Ethyl methacrylate	8.75	69	18533	19.519	ug/l	97
57) 1,3-Dichloropropane	8.98	76	39054	28.326	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	21927	290.942	ug/l	100
59) 2-Hexanone	9.61	43	66586	95.105	ug/l	93
60) Dibromochloromethane	8.84	129	38885	33.581	ug/l	96
61) 1,2-Dibromoethane	9.12	107	22874	24.830	ug/l	99
64) Tetrachloroethene	8.29	164	57266	63.325	ug/l	95
65) Chlorobenzene	9.93	112	127999	50.495	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	47649	49.560	ug/l	93
67) Ethyl Benzene	10.03	91	270036	61.738	ug/l	100
68) m/p-Xylenes	10.26	106	183497	131.631	ug/l	95
69) o-Xylene	10.83	106	89053	51.968	ug/l	96
70) Styrene	10.89	104	117614	44.736	ug/l	92
71) Bromoform	10.88	173	21024	31.342	ug/l	93
73) Isopropylbenzene	11.22	105	323369	74.415	ug/l	96
74) N-amyl acetate	11.46	43	20603	15.254	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	29469	31.052	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	24858	33.776	ug/l	93
77) Bromobenzene	11.58	156	57934	49.023	ug/l	91
78) n-propylbenzene	11.68	91	387788	72.304	ug/l	98
79) 2-Chlorotoluene	11.81	91	198528	62.950	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	254480	67.219	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	7006	20.806	ug/l #	88
82) 4-Chlorotoluene	11.98	91	198631	58.011	ug/l	92
83) tert-Butylbenzene	12.21	119	261111	70.714	ug/l	86
84) 1,2,4-Trimethylbenzene	12.28	105	232202	57.693	ug/l	95
85) sec-Butylbenzene	12.38	105	365493	71.101	ug/l	99
86) p-Isopropyltoluene	12.53	119	284746	66.768	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	114921	52.594	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	106911	49.233	ug/l	98
89) n-Butylbenzene	12.92	91	248236	59.912	ug/l	99
90) Hexachloroethane	12.98	117	68117	71.078	ug/l	79
91) 1,2-Dichlorobenzene	13.01	146	101765	48.426	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	4917	25.354	ug/l	65

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082718\
Data File : VF060135.D
Acq On : 27 Aug 2018 19:57
Operator : VA/AP
Sample : J4646-04MS
Misc : 5.28g/5mL/MSVOA_F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Aug 28 01:13:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

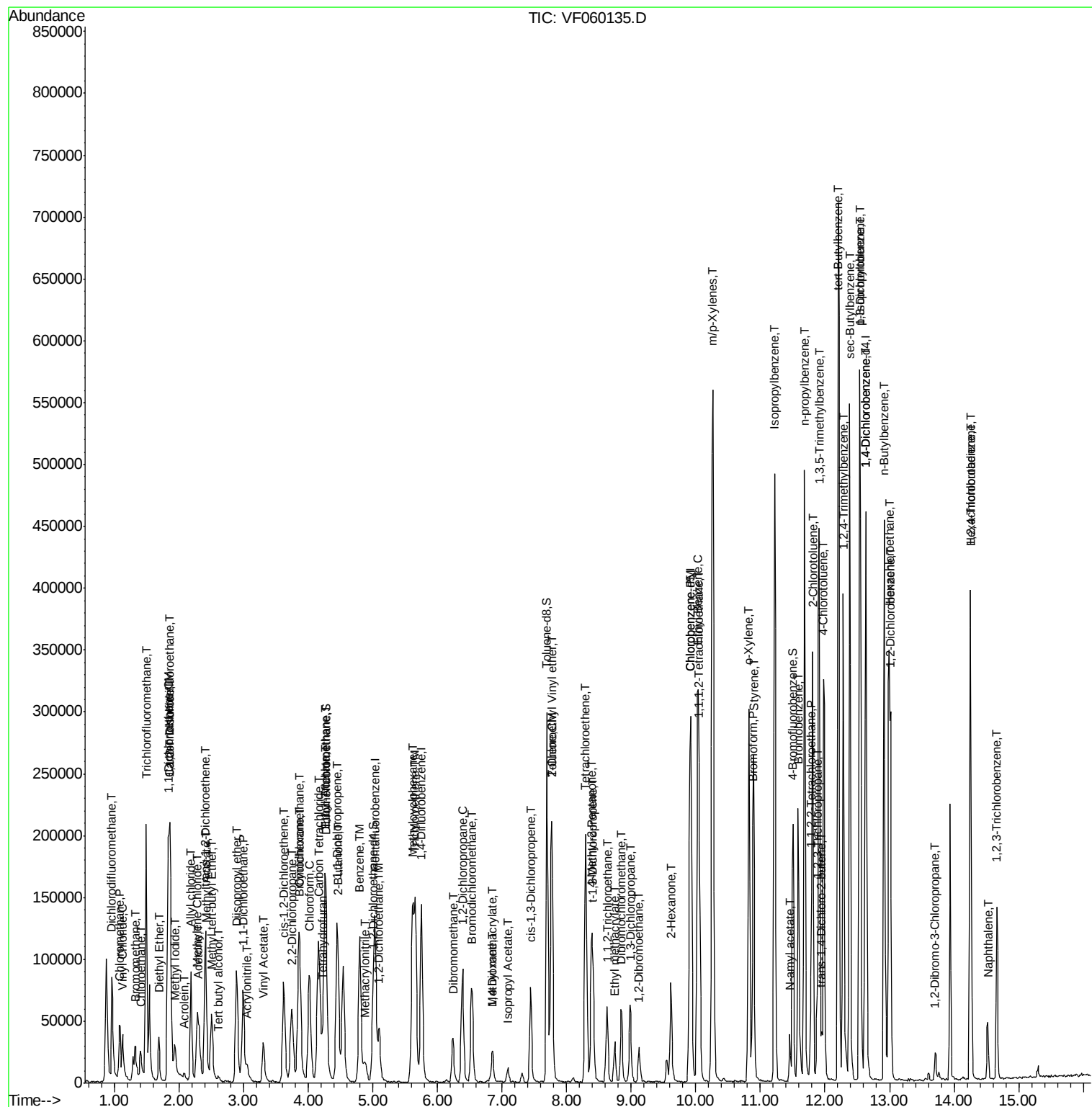
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	49166	31.772	ug/l	98
94) Hexachlorobutadiene	14.25	225	52787	54.806	ug/l	98
95) Naphthalene	14.52	128	35395	14.866	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	38858	26.319	ug/l	94

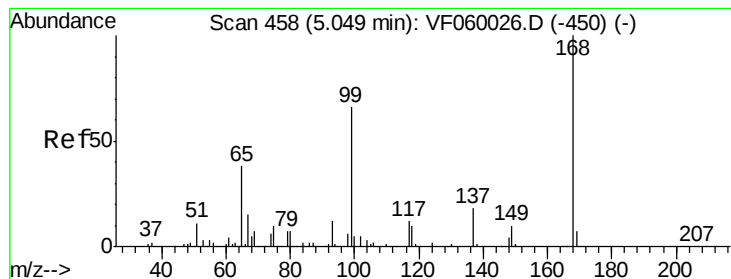
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF082718\
 Data File : VF060135.D
 Acq On : 27 Aug 2018 19:57
 Operator : VA/AP
 Sample : J4646-04MS
 Misc : 5.28g/5mL/MSVOA_F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 28 01:13:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

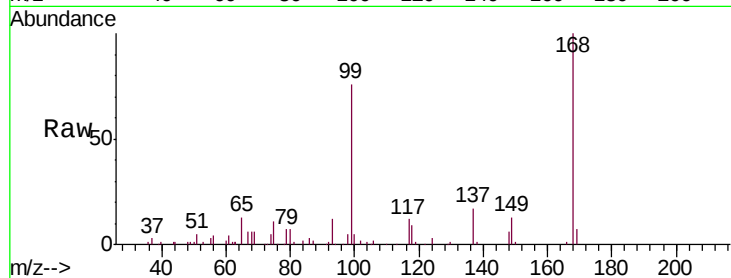
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:168 Resp: 107827

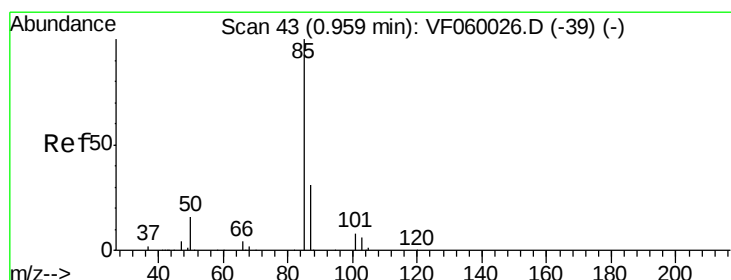
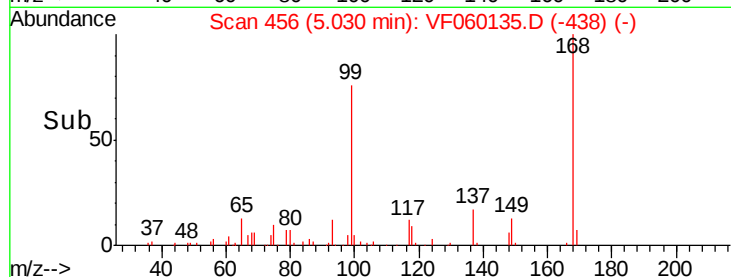
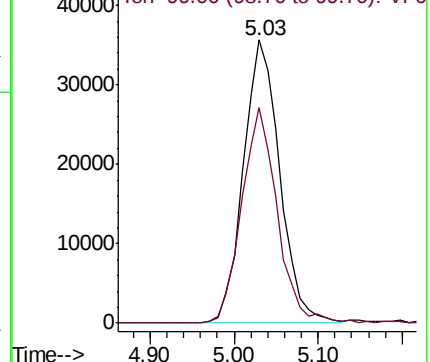
Ion Ratio Lower Upper

168 100

99 76.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 59.098 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060135.D

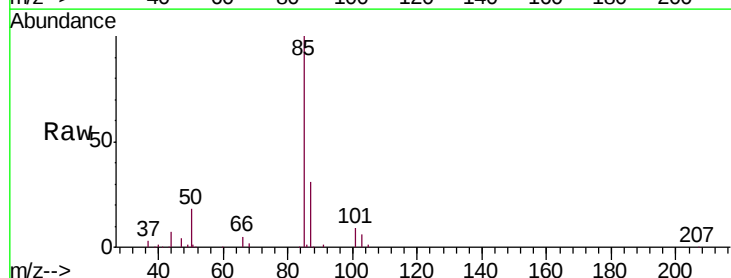
Acq: 27 Aug 2018 19:57

Tgt Ion: 85 Resp: 83895

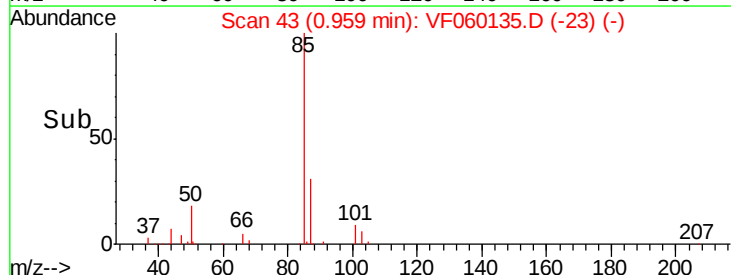
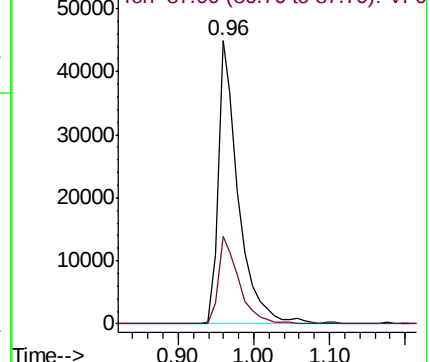
Ion Ratio Lower Upper

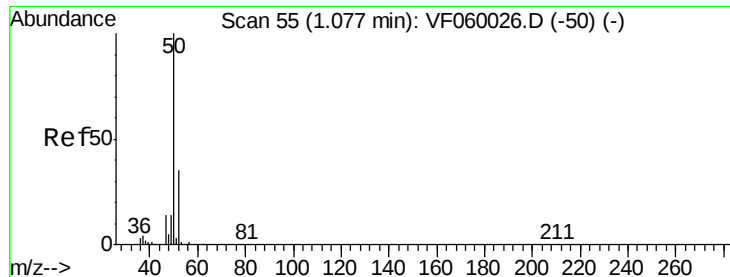
85 100

87 30.9 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 37.633 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

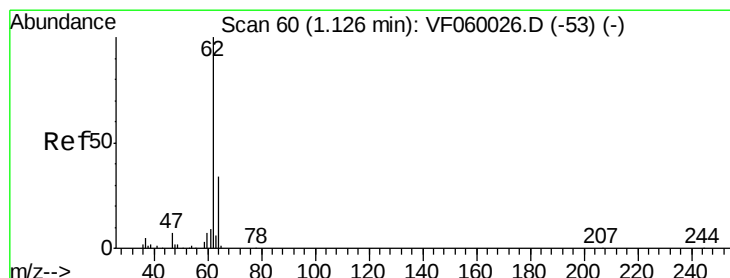
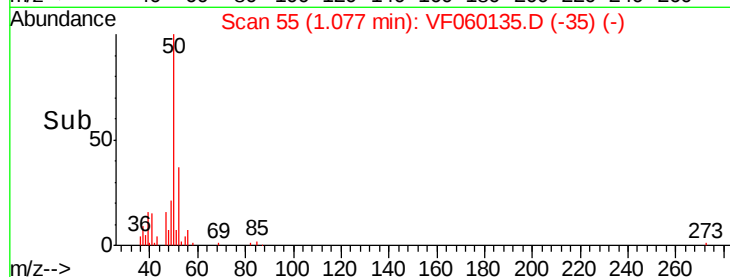
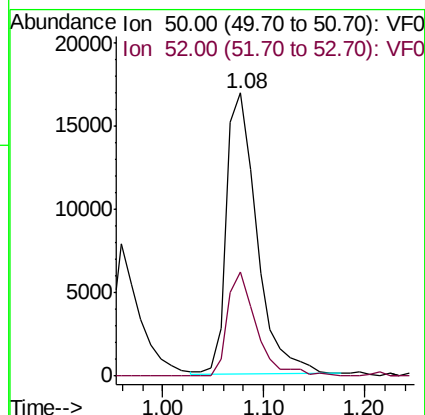
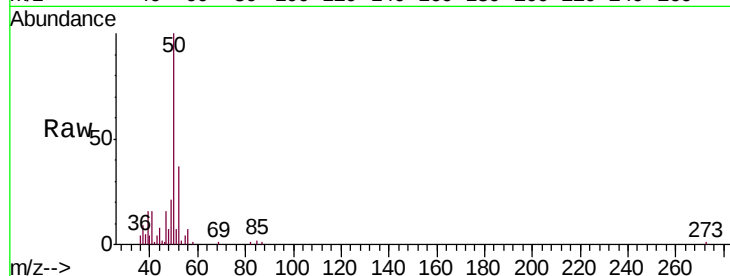
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 50 Resp: 35519

Ion Ratio Lower Upper

50 100

52 37.0 27.6 41.4



#4

Vinyl Chloride

Concen: 39.381 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060135.D

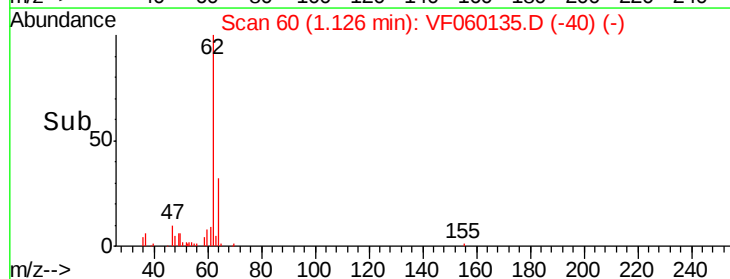
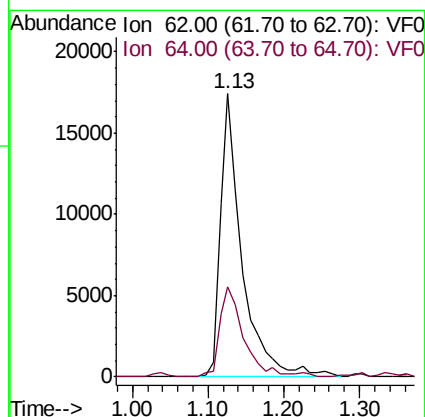
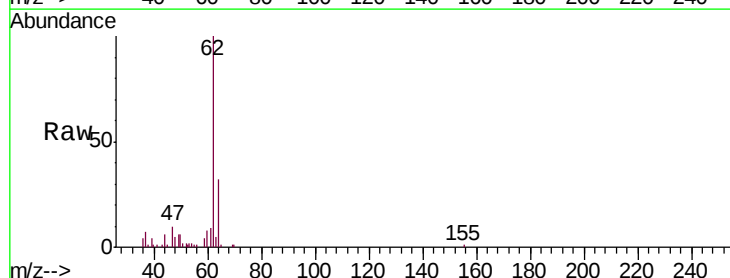
Acq: 27 Aug 2018 19:57

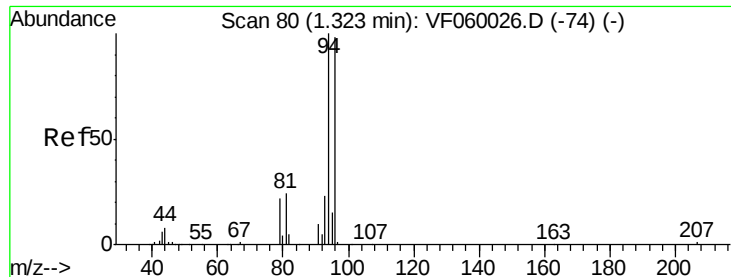
Tgt Ion: 62 Resp: 34710

Ion Ratio Lower Upper

62 100

64 31.6 27.4 41.2





#5

Bromomethane

Concen: 24.559 ug/l

RT: 1.32 min Scan# 80

Delta R.T. 0.00 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

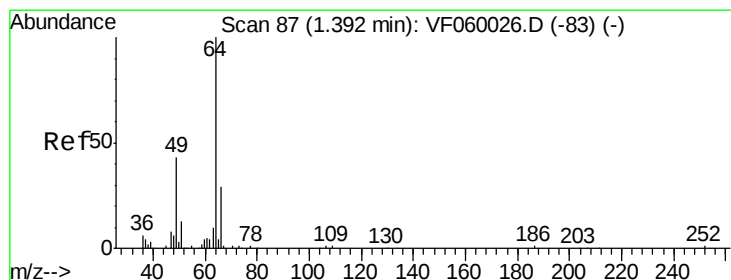
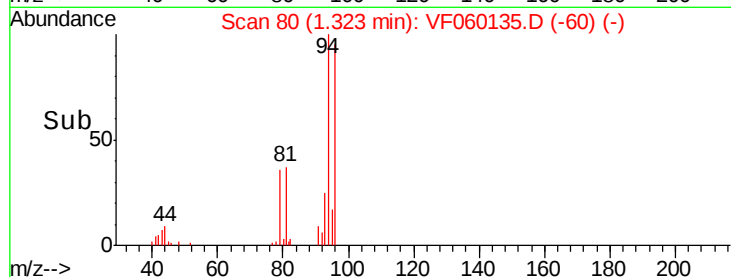
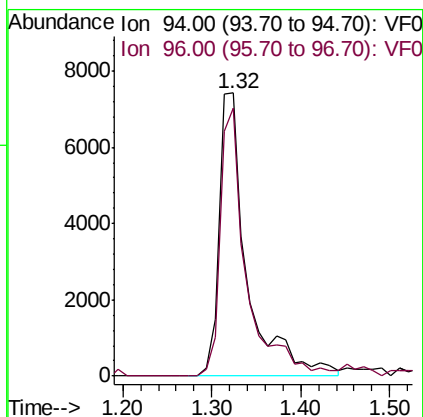
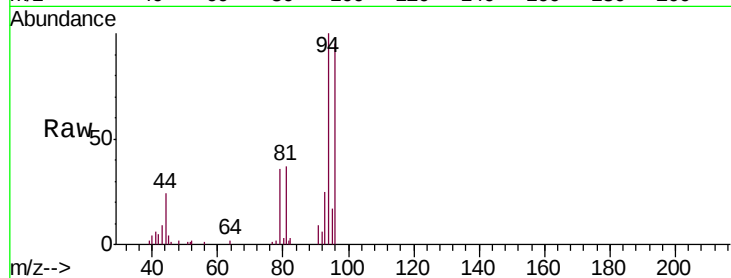
ClientSampleId :

Tgt Ion: 94 Resp: 16449

Ion Ratio Lower Upper

94 100

96 94.5 78.6 118.0



#6

Chloroethane

Concen: 66.884 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF060135.D

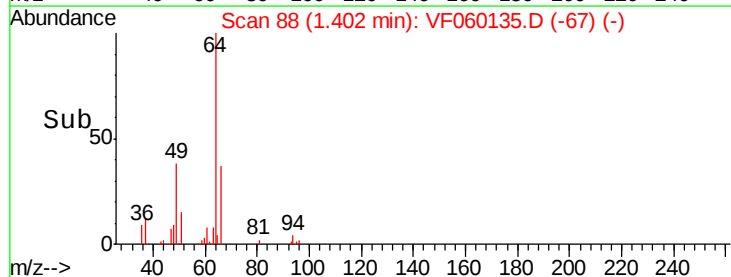
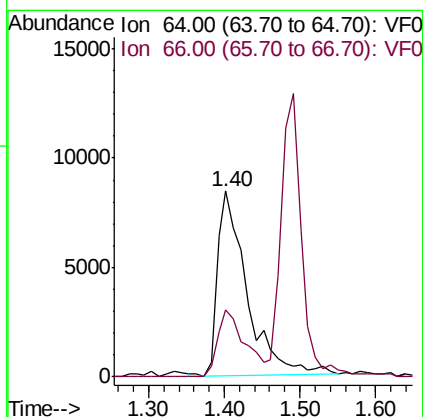
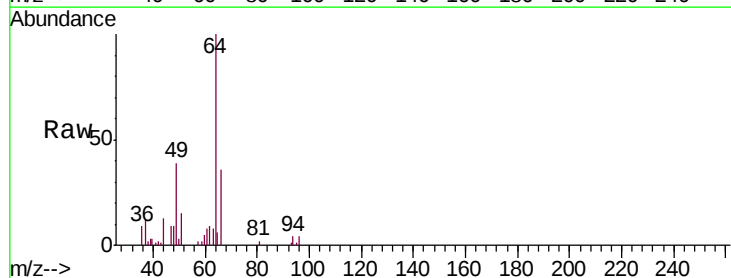
Acq: 27 Aug 2018 19:57

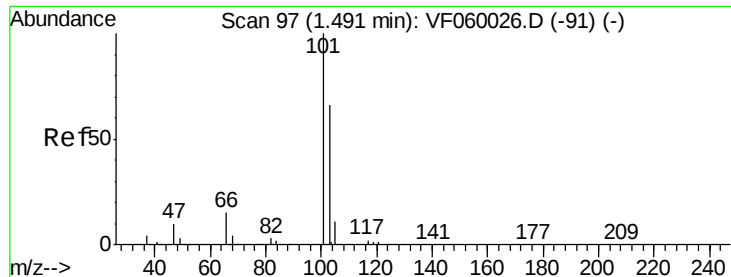
Tgt Ion: 64 Resp: 23238

Ion Ratio Lower Upper

64 100

66 36.2 24.1 36.1#



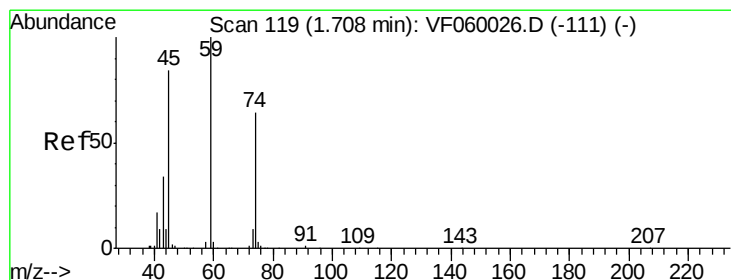
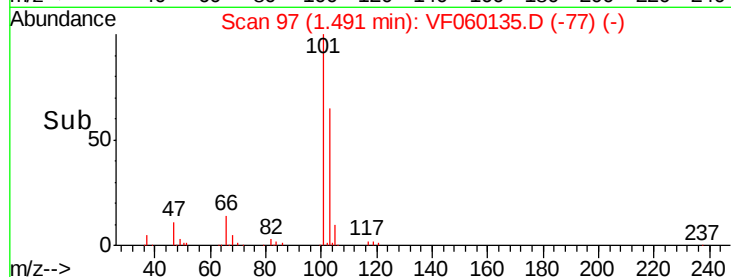
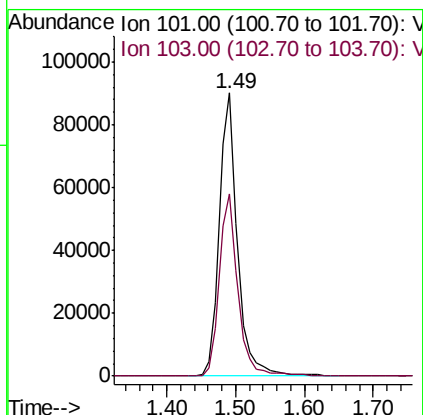
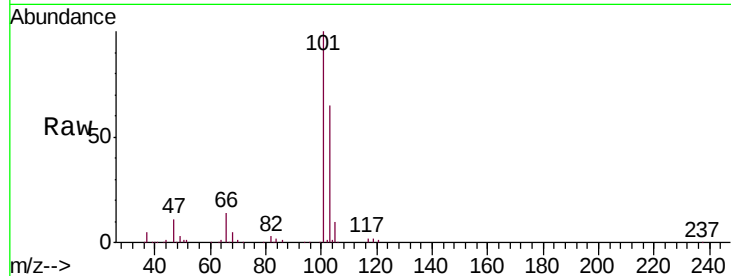


#7

Trichlorofluoromethane
Concen: 93.264 ug/l
RT: 1.49 min Scan# 97
Delta R.T. 0.00 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :

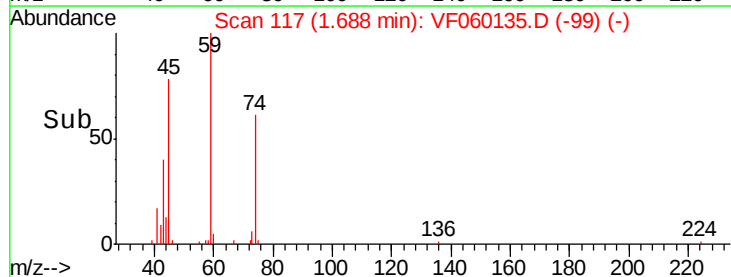
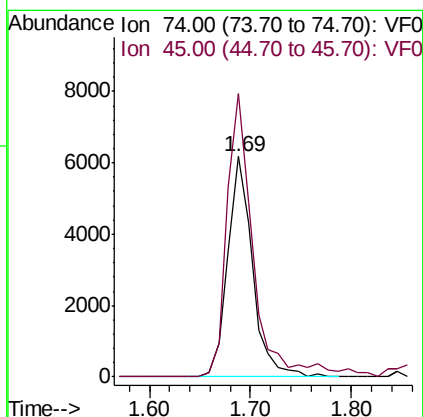
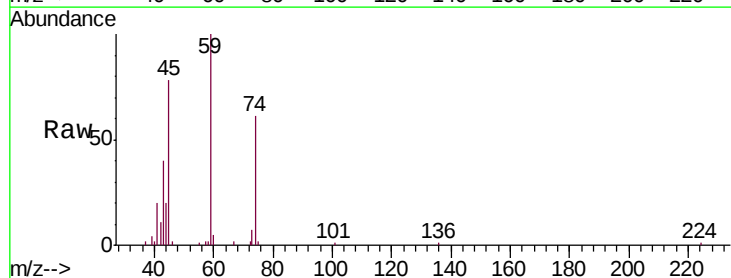
Tgt Ion:101 Resp: 165303
Ion Ratio Lower Upper
101 100
103 64.6 52.5 78.7

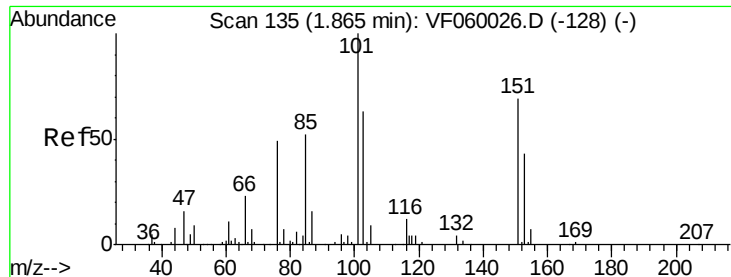


#8

Diethyl Ether
Concen: 33.215 ug/l
RT: 1.69 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion: 74 Resp: 10525
Ion Ratio Lower Upper
74 100
45 128.3 66.0 198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 73.246 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

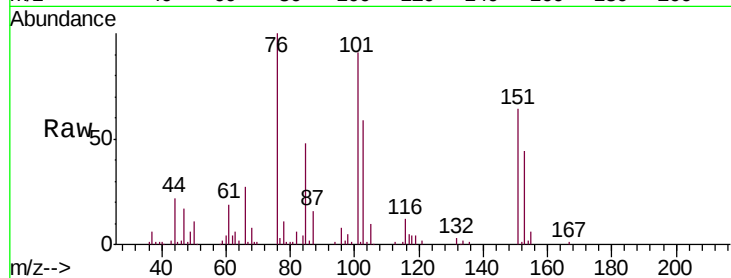
Tgt Ion:101 Resp: 68145

Ion Ratio Lower Upper

101 100

85 53.0 41.5 62.3

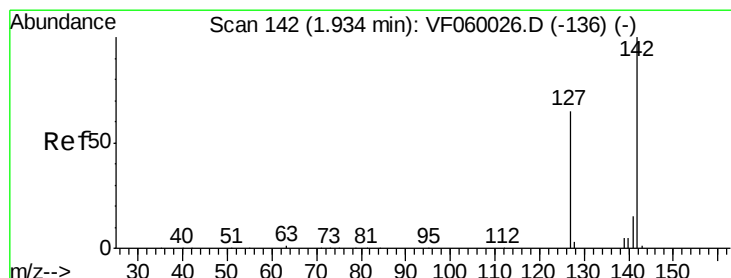
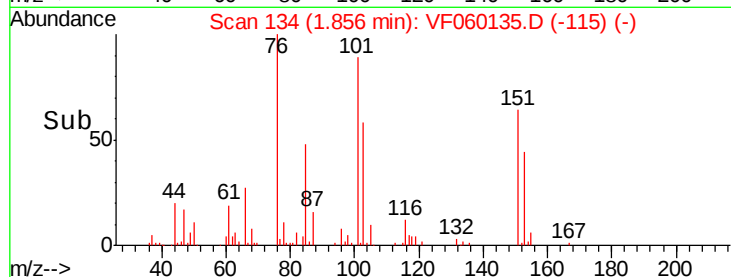
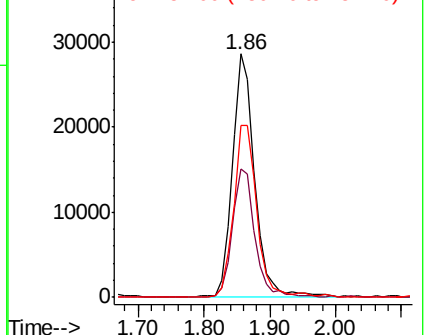
151 70.5 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 25.950 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.00 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

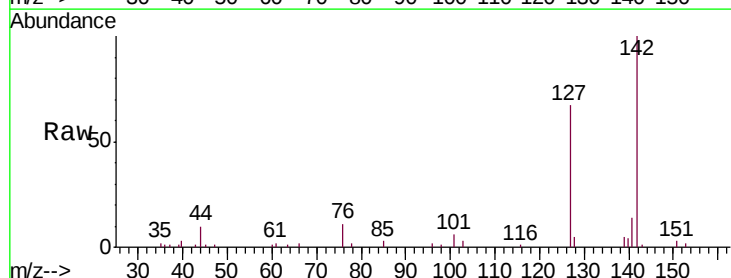
Tgt Ion:142 Resp: 31920

Ion Ratio Lower Upper

142 100

127 67.1 51.8 77.6

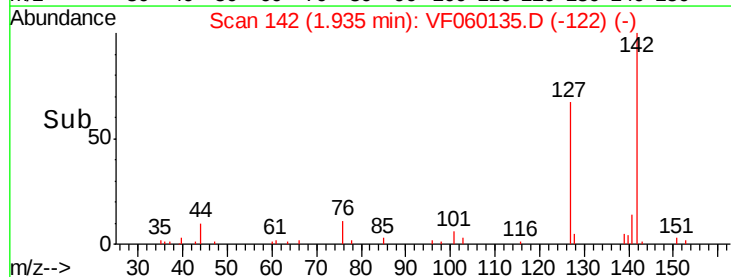
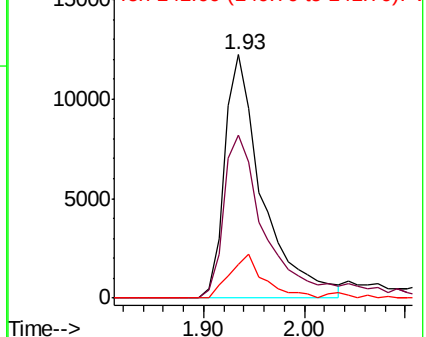
141 13.8 11.9 17.9

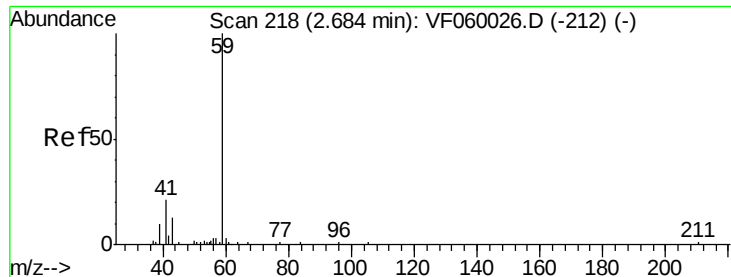


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

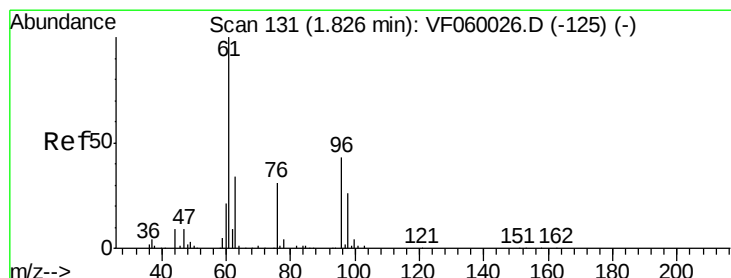
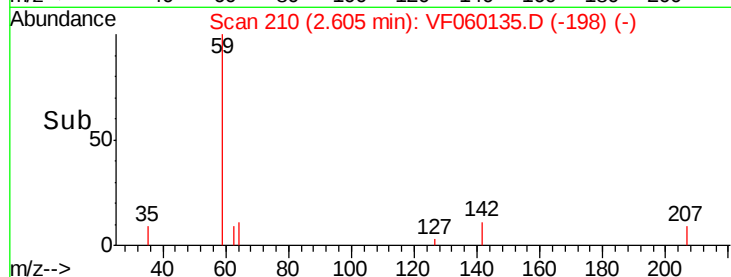
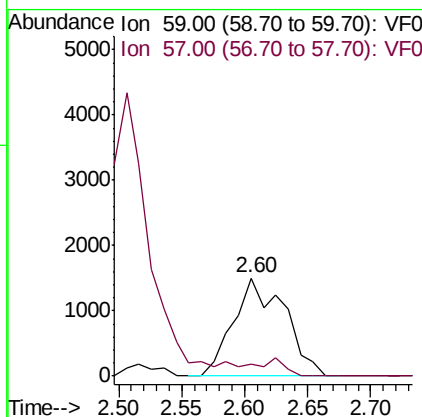
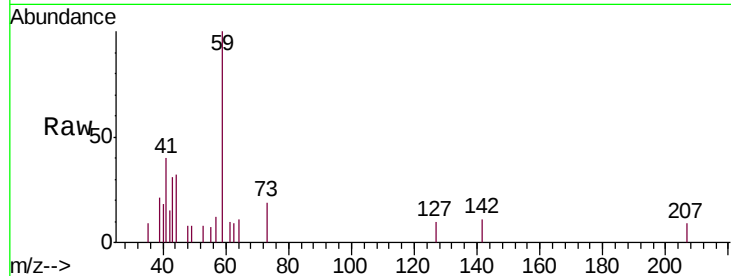




#11
Tert butyl alcohol
Concen: 53.981 ug/l
RT: 2.60 min Scan# 210
Delta R.T. -0.08 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

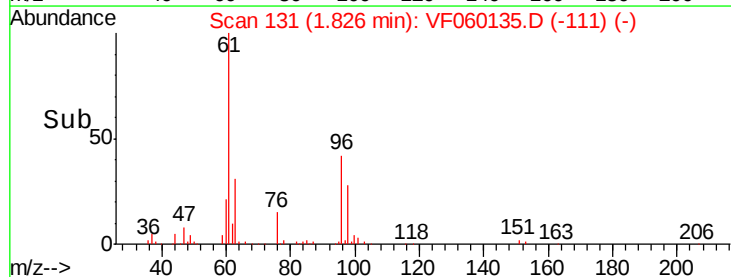
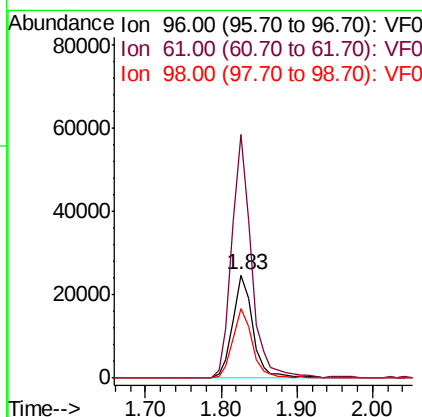
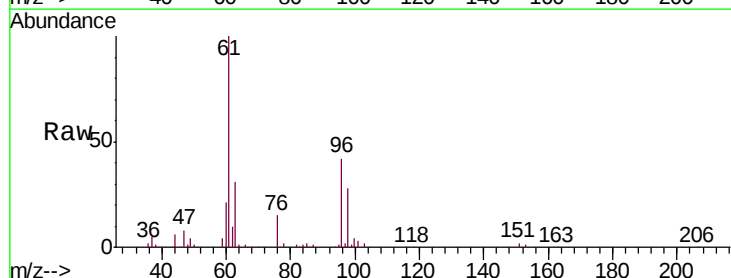
Instrument :
MSVOA_F
ClientSampled :

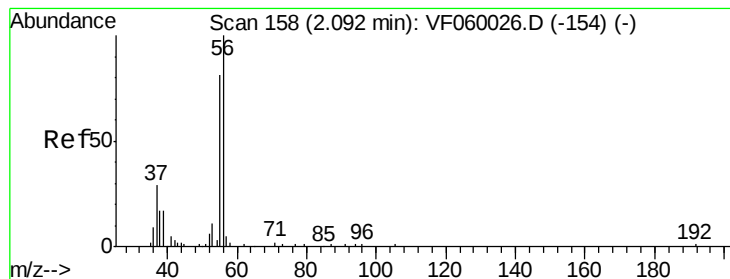
Tgt Ion: 59 Resp: 4238
Ion Ratio Lower Upper
59 100
57 11.8 5.4 8.2#



#12
1,1-Dichloroethene
Concen: 67.190 ug/l
RT: 1.83 min Scan# 131
Delta R.T. 0.00 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion: 96 Resp: 46055
Ion Ratio Lower Upper
96 100
61 236.4 185.0 277.6
98 67.0 47.8 71.8





#13

Acrolein

Concen: 74.152 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

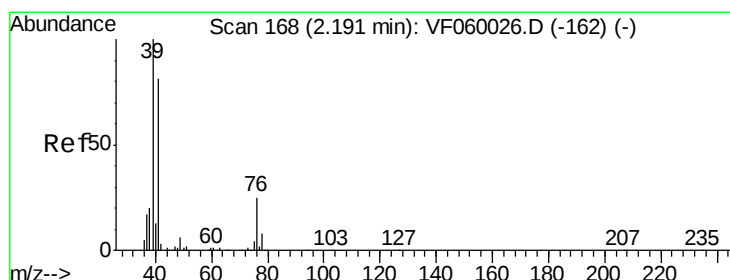
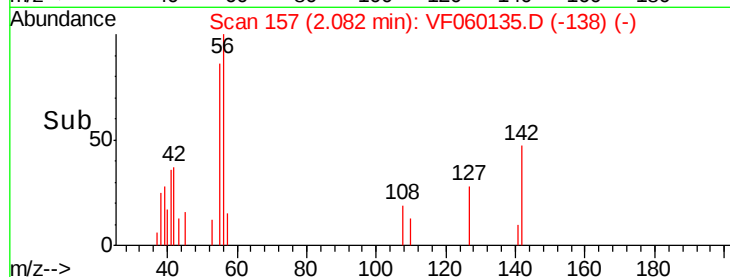
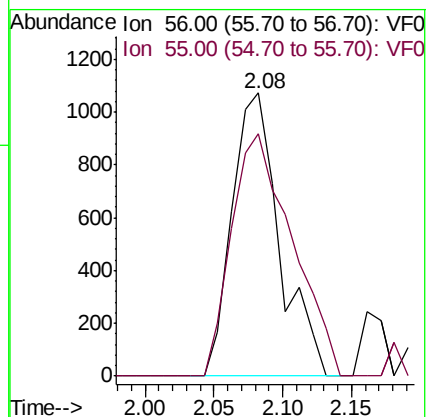
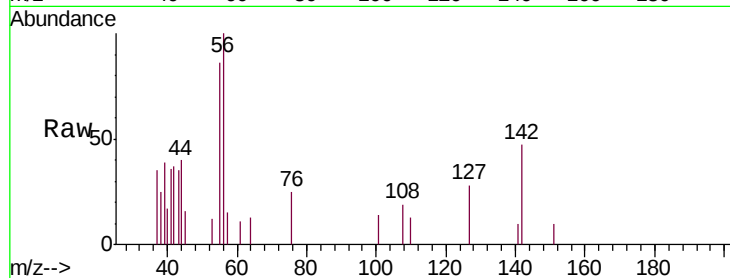
ClientSampleId :

Tgt Ion: 56 Resp: 2564

Ion Ratio Lower Upper

56 100

55 85.6 65.6 98.4



#14

Allyl chloride

Concen: 37.499 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

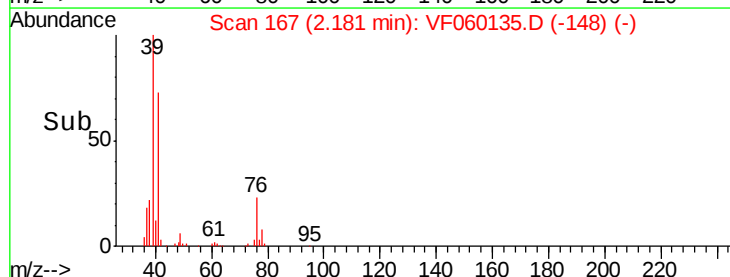
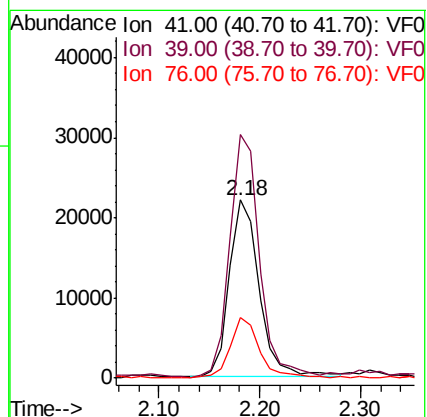
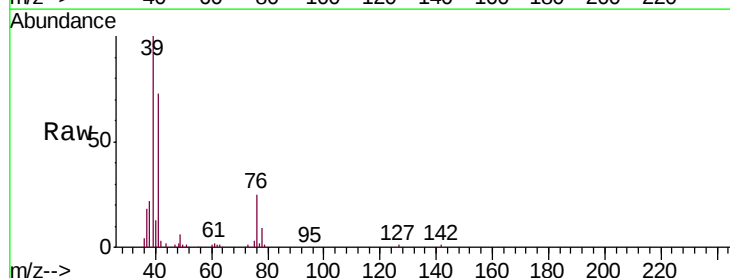
Tgt Ion: 41 Resp: 45649

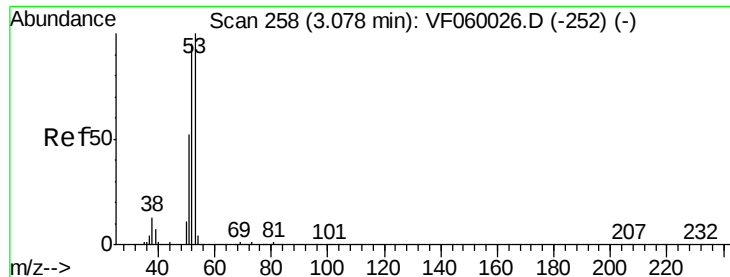
Ion Ratio Lower Upper

41 100

39 136.8 99.3 148.9

76 34.0 24.3 36.5





#15

Acrylonitrile

Concen: 77.706 ug/l

RT: 3.06 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

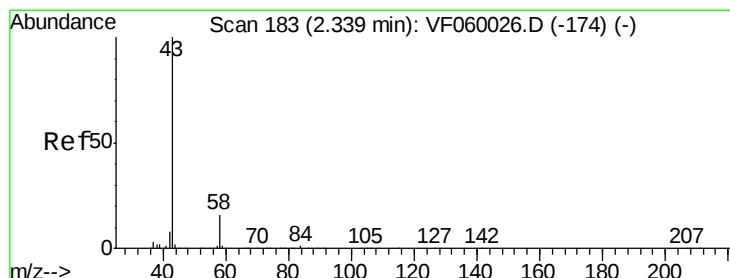
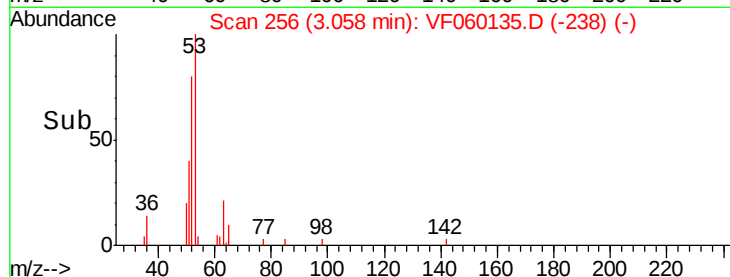
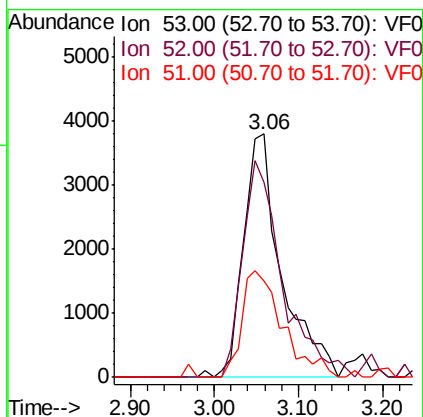
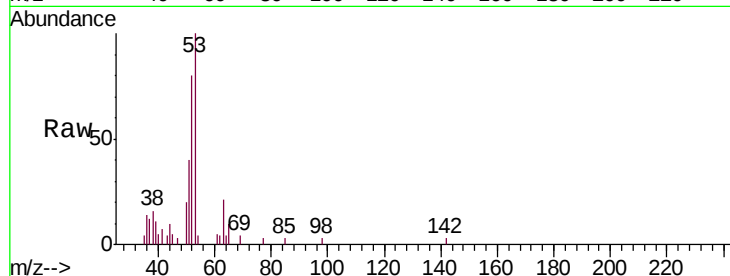
Tgt Ion: 53 Resp: 12039

Ion Ratio Lower Upper

53 100

52 80.1 75.8 113.8

51 39.6 42.1 63.1#



#16

Acetone

Concen: 75.258 ug/l

RT: 2.31 min Scan# 180

Delta R.T. -0.03 min

Lab File: VF060135.D

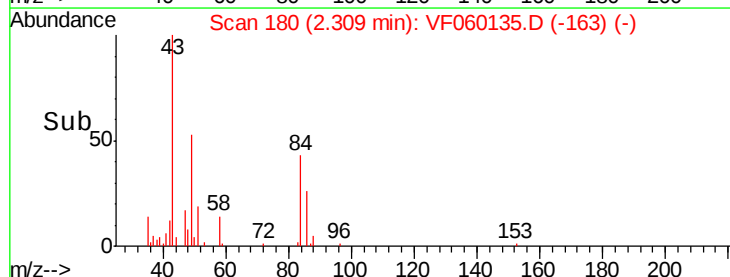
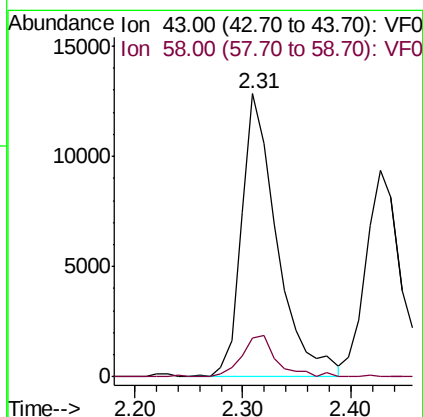
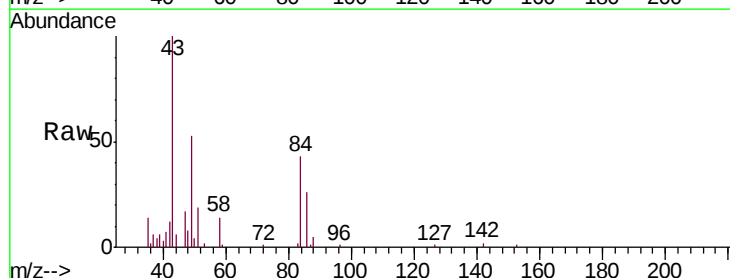
Acq: 27 Aug 2018 19:57

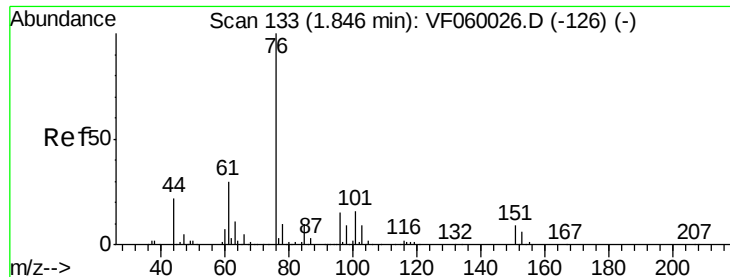
Tgt Ion: 43 Resp: 29189

Ion Ratio Lower Upper

43 100

58 13.8 12.6 19.0

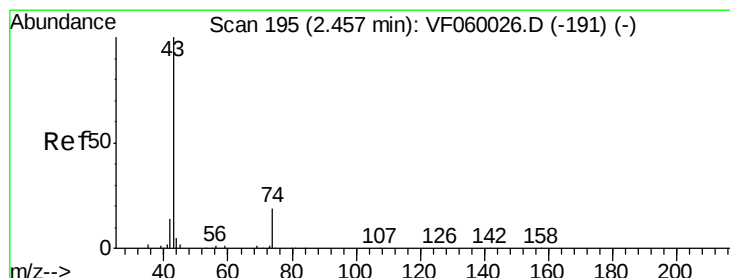
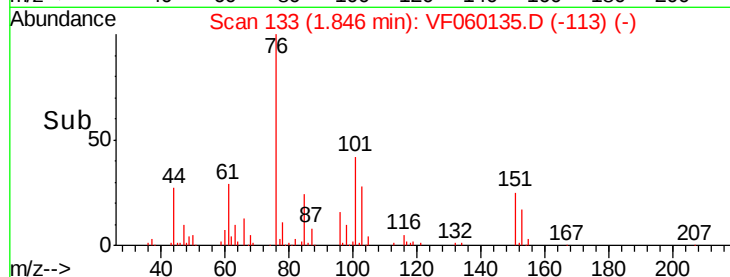
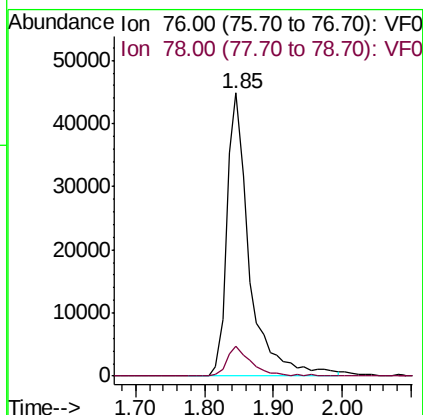
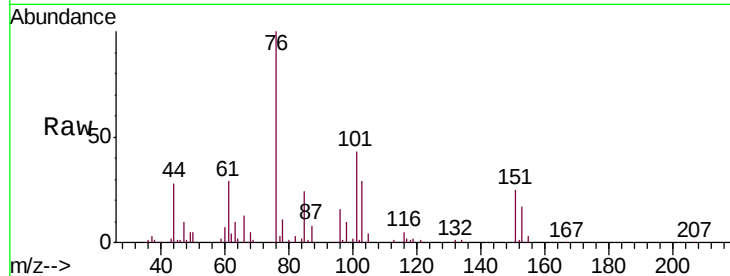




#17
Carbon Disulfide
Concen: 47.357 ug/l
RT: 1.85 min Scan# 133
Delta R.T. 0.00 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

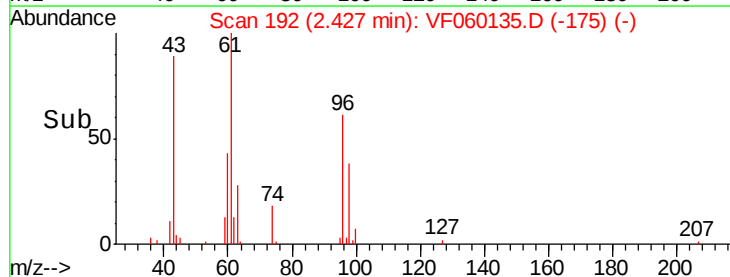
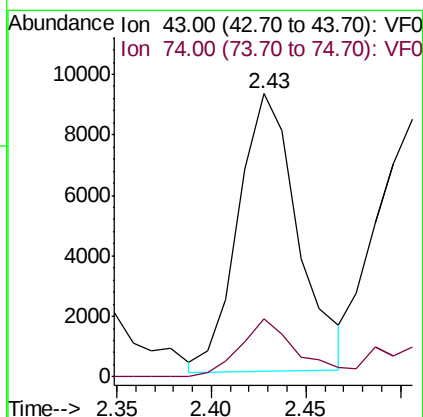
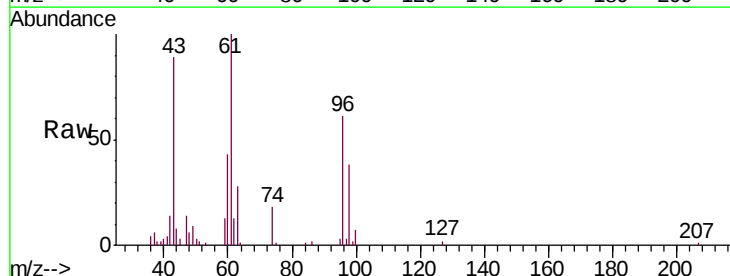
Instrument :
MSVOA_F
ClientSampled :

Tgt Ion: 76 Resp: 101632
Ion Ratio Lower Upper
76 100
78 10.7 8.4 12.6



#18
Methyl Acetate
Concen: 28.677 ug/l
RT: 2.43 min Scan# 192
Delta R.T. -0.03 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion: 43 Resp: 20161
Ion Ratio Lower Upper
43 100
74 20.5 13.8 20.6





#19

Methyl tert-butyl Ether

Concen: 26.772 ug/l

RT: 2.51 min Scan# 200

Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

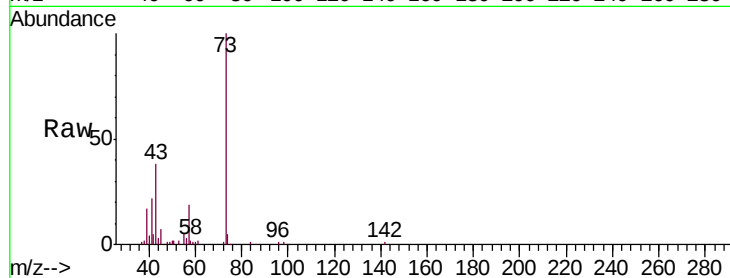
ClientSampleId :

Tgt Ion: 73 Resp: 58793

Ion Ratio Lower Upper

73 100

57 19.4 13.7 20.5



Abundance Ion 73.00 (72.70 to 73.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

25000

20000

15000

10000

5000

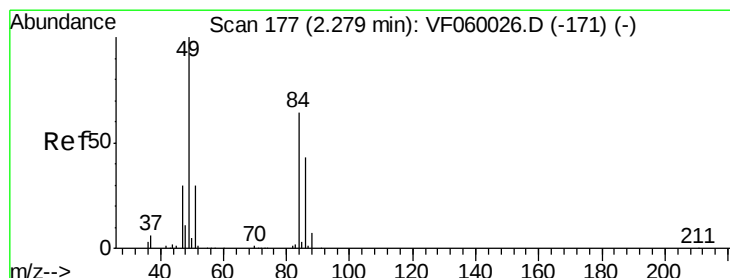
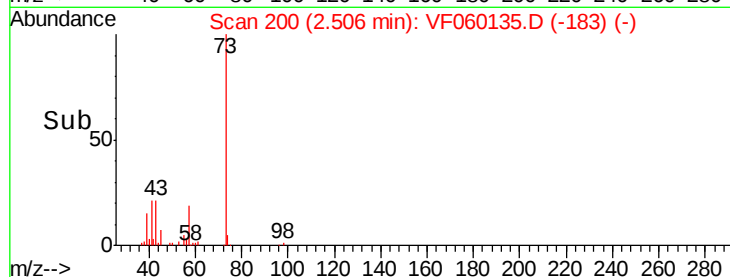
0

2.40

2.50

2.60

Time-->



#20

Methylene Chloride

Concen: 46.162 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Tgt Ion: 84 Resp: 35561

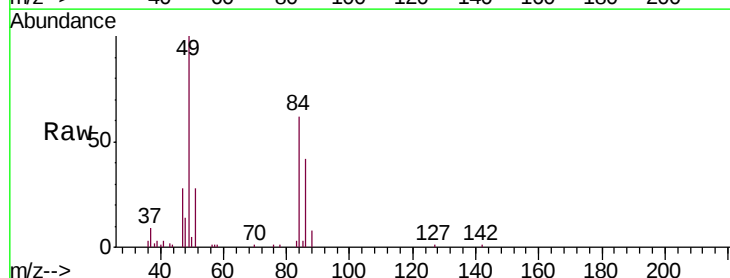
Ion Ratio Lower Upper

84 100

49 161.4 125.4 188.0

51 44.5 38.3 57.5

86 67.5 53.3 79.9



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

25000

20000

15000

10000

5000

0

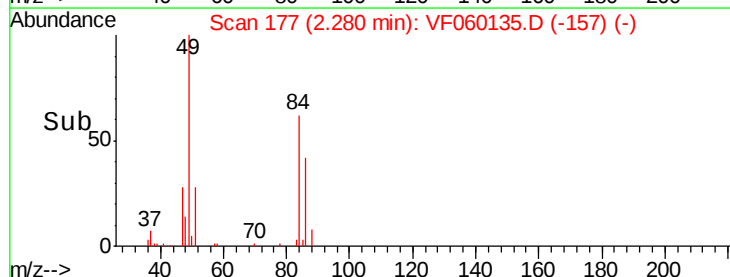
2.20

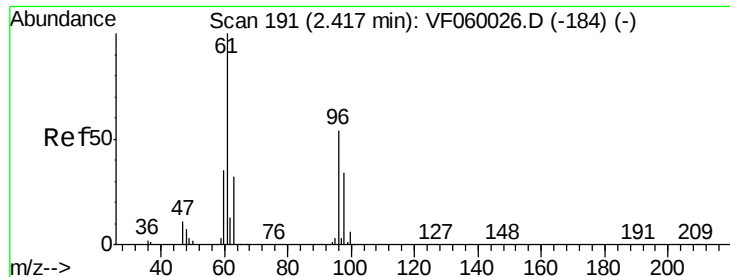
2.30

2.40

2.50

Time-->





#21

trans-1,2-Dichloroethene

Concen: 59.464 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

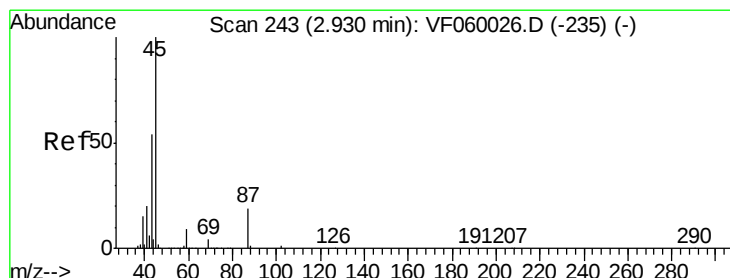
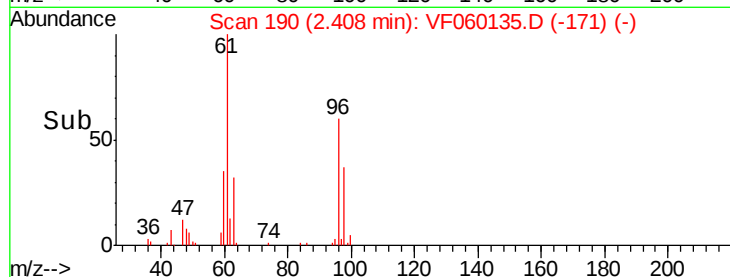
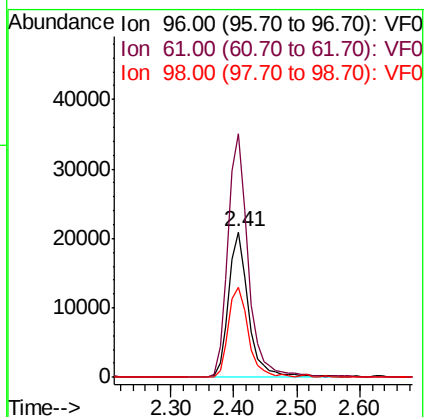
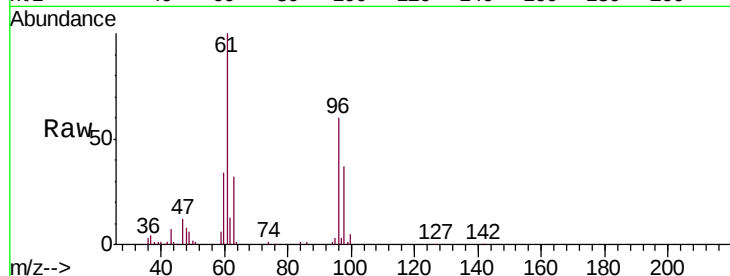
Tgt Ion: 96 Resp: 45606

Ion Ratio Lower Upper

96 100

61 167.6 147.4 221.0

98 62.2 49.8 74.6



#22

Diisopropyl ether

Concen: 36.123 ug/l

RT: 2.89 min Scan# 239

Delta R.T. -0.04 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Tgt Ion: 45 Resp: 98469

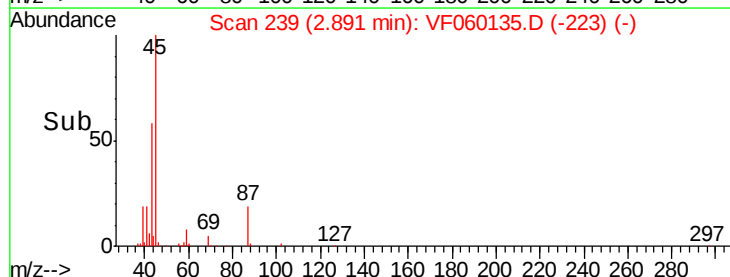
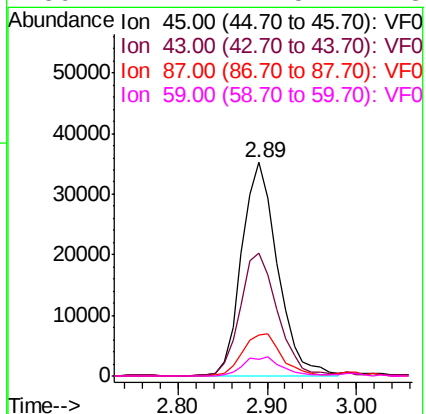
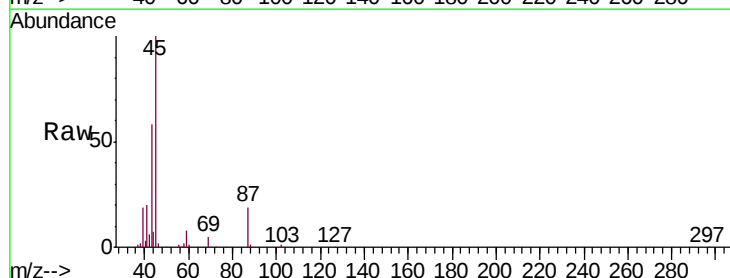
Ion Ratio Lower Upper

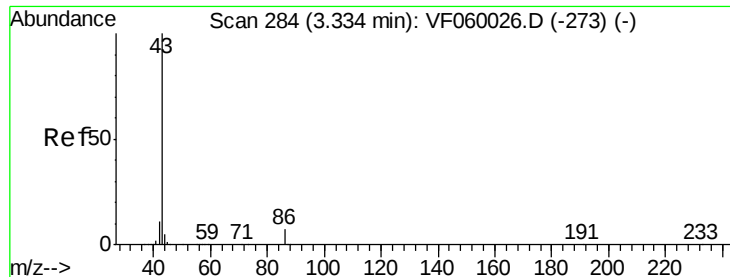
45 100

43 57.7 43.4 65.2

87 19.4 15.4 23.2

59 7.7 7.5 11.3





#23

Vinyl Acetate

Concen: 46.478 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

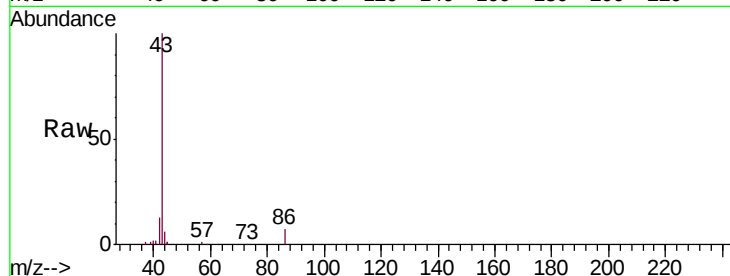
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 67119

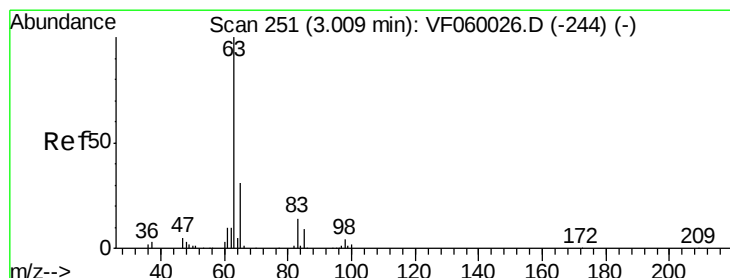
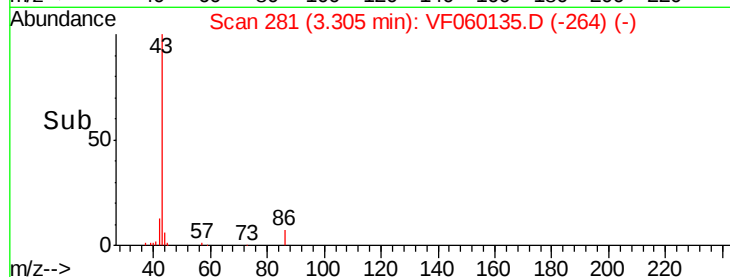
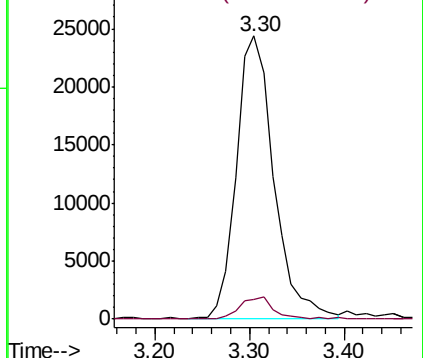
Ion Ratio Lower Upper

43 100

86 6.8 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 52.129 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

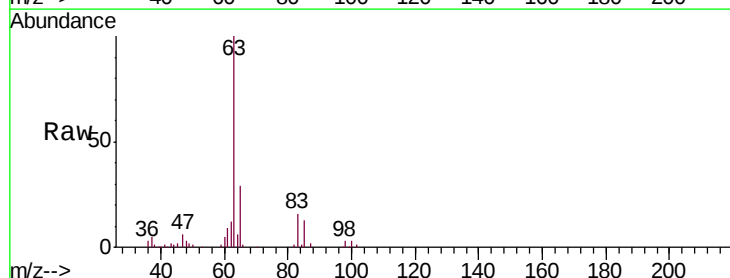
Tgt Ion: 63 Resp: 87783

Ion Ratio Lower Upper

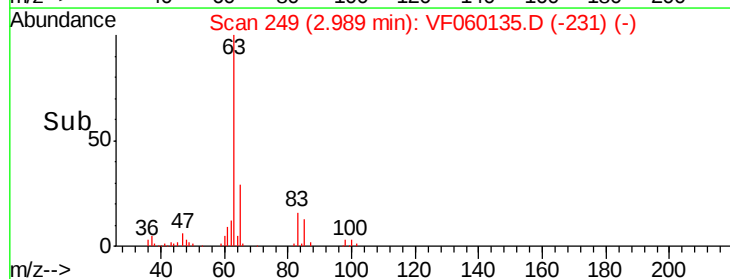
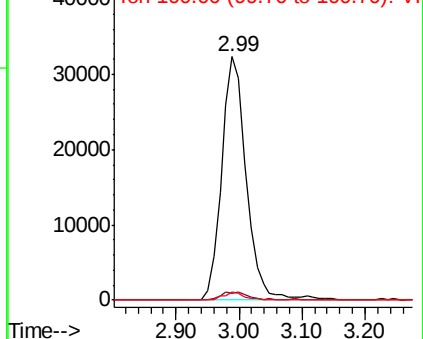
63 100

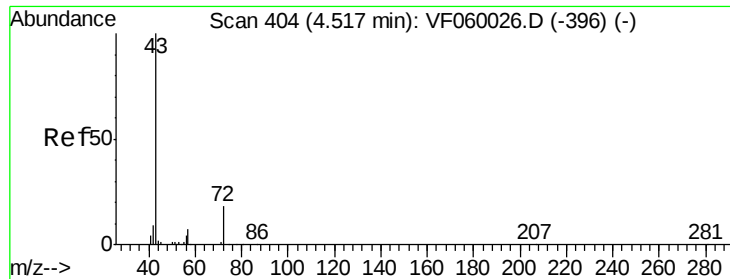
98 3.0 2.1 6.5

100 3.2 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0
Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 61.180 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.05 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

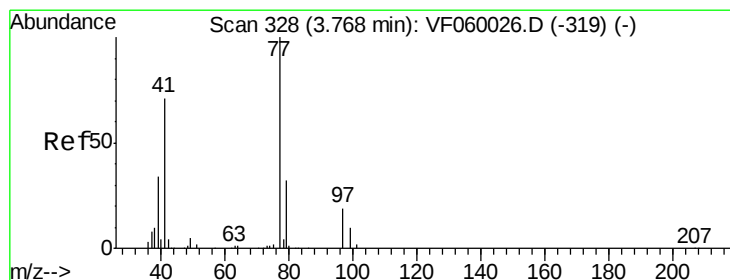
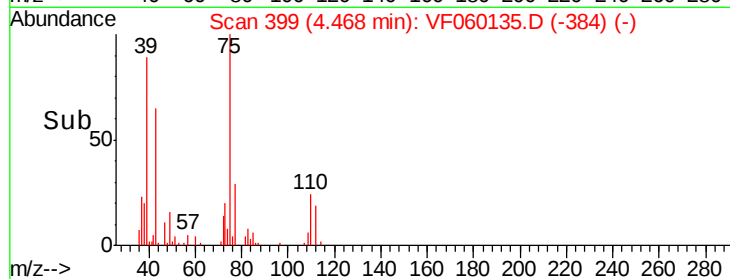
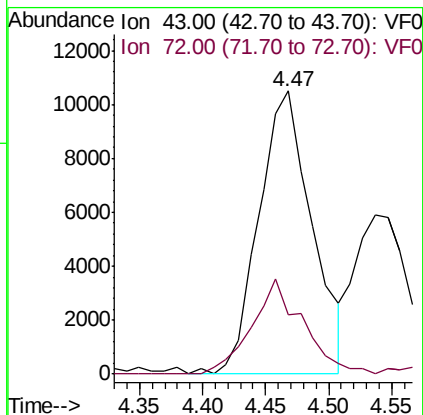
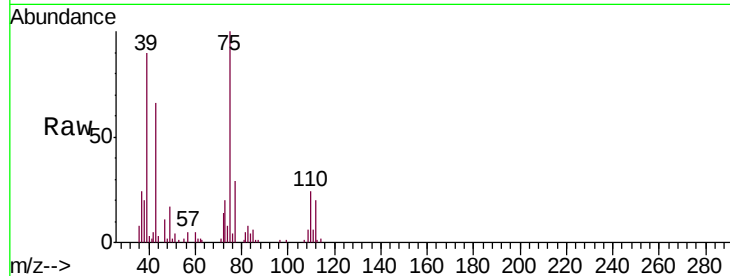
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 43 Resp: 30822

Ion Ratio Lower Upper

43 100

72 21.0 15.0 22.6



#26

2,2-Dichloropropane

Concen: 32.638 ug/l

RT: 3.74 min Scan# 325

Delta R.T. -0.03 min

Lab File: VF060135.D

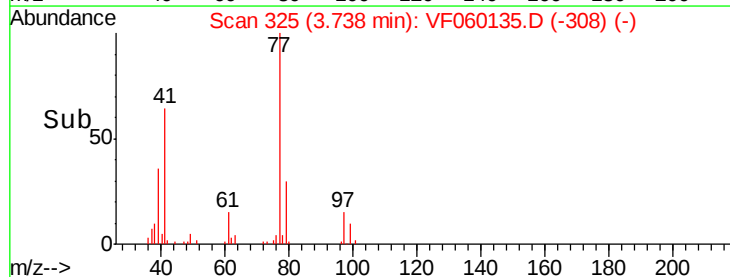
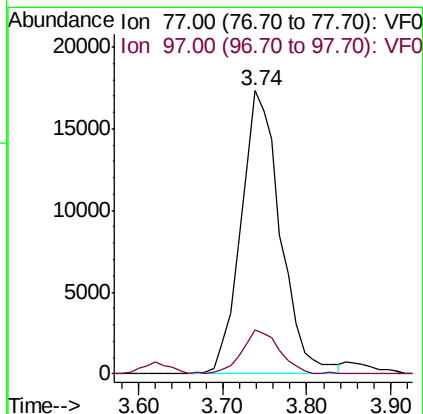
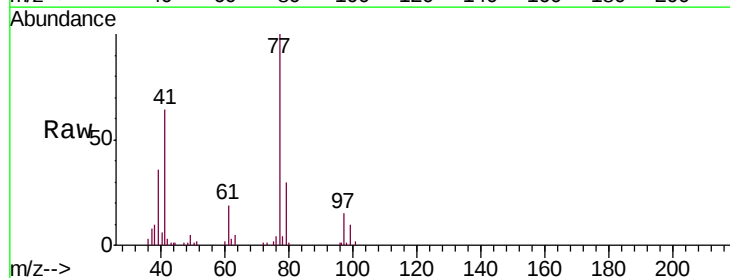
Acq: 27 Aug 2018 19:57

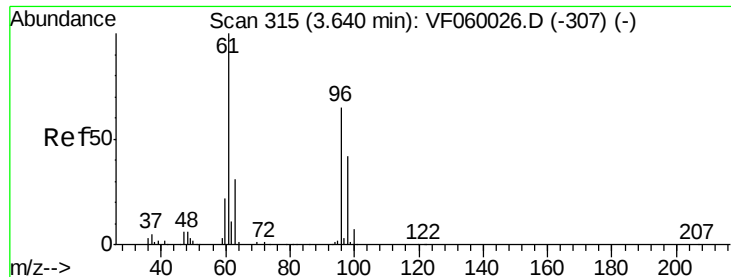
Tgt Ion: 77 Resp: 56863

Ion Ratio Lower Upper

77 100

97 15.4 9.7 29.1



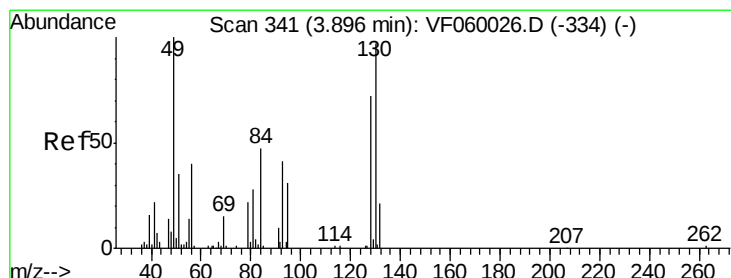
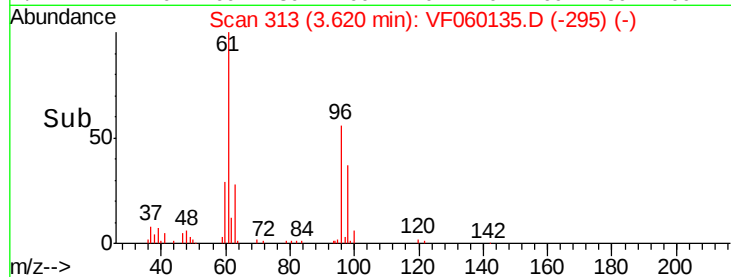
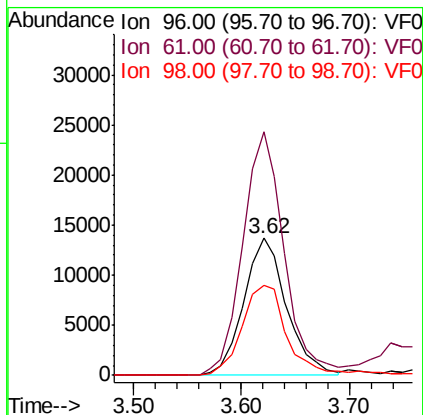
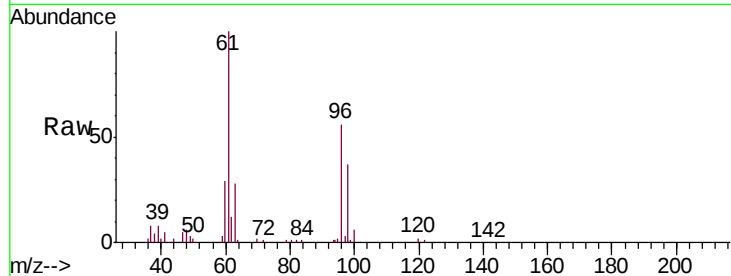


#27

cis-1,2-Dichloroethene
 Concen: 34.834 ug/l
 RT: 3.62 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :

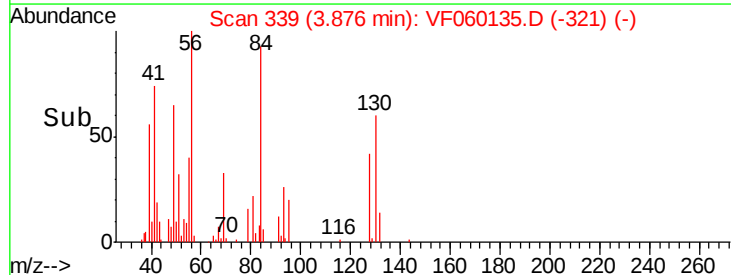
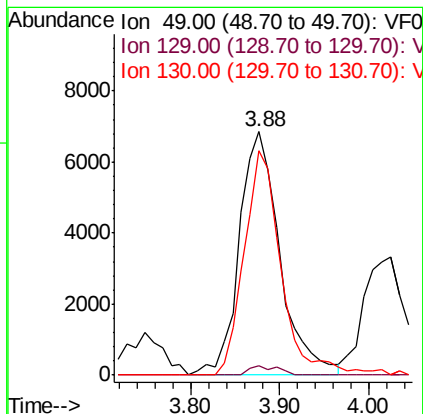
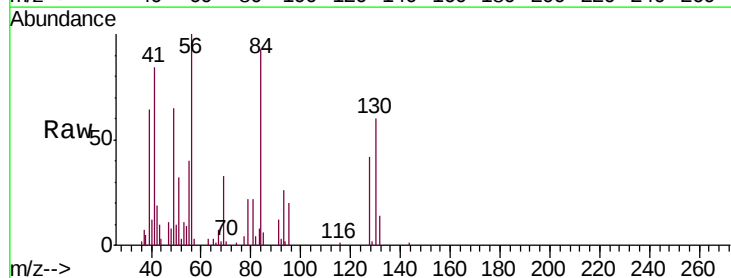
Tgt Ion	Resp	Lower	Upper
96	37858		
Ion Ratio			
96	100		
61	177.4	0.0	307.6
98	65.4	0.0	128.4

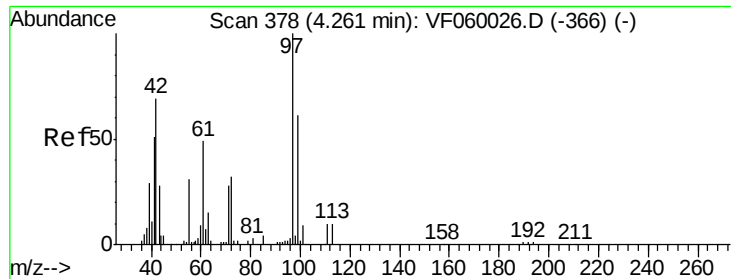


#28

Bromochloromethane
 Concen: 30.495 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion	Resp	Lower	Upper
49	21681		
Ion Ratio			
49	100		
129	3.8	0.0	7.4
130	92.4	78.0	117.0





#29

Tetrahydrofuran

Concen: 67.924 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.05 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

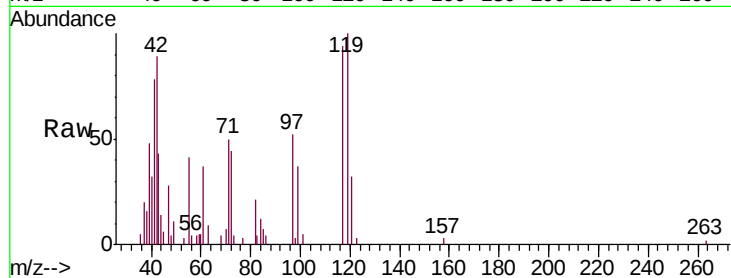
Tgt Ion: 42 Resp: 12920

Ion Ratio Lower Upper

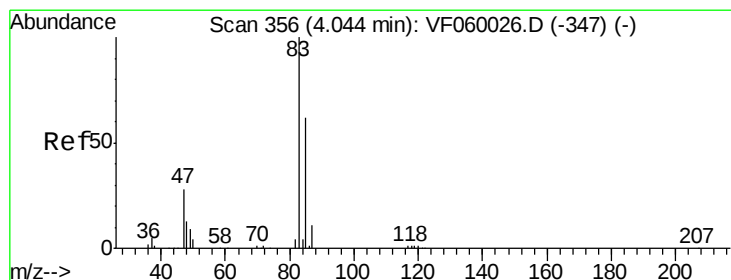
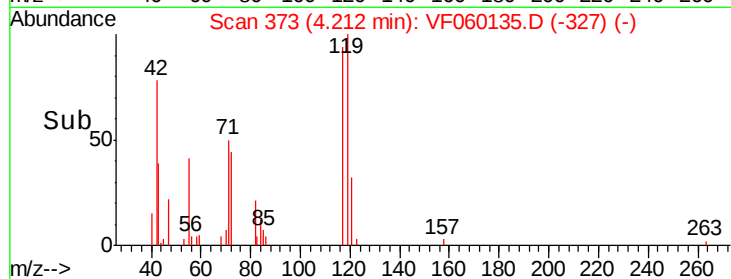
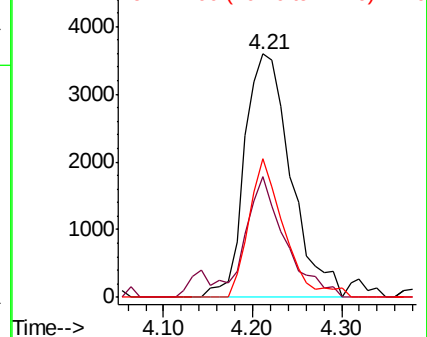
42 100

72 40.7 31.4 47.2

71 43.3 29.7 44.5



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



#30

Chloroform

Concen: 44.325 ug/l

RT: 4.01 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF060135.D

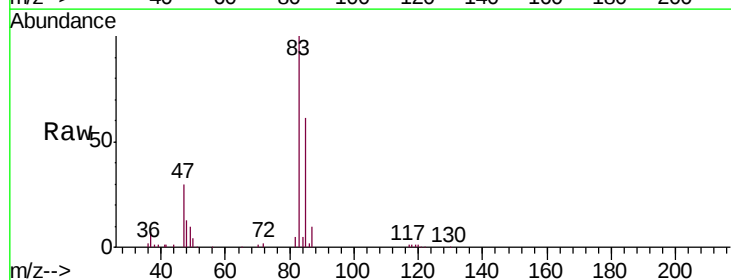
Acq: 27 Aug 2018 19:57

Tgt Ion: 83 Resp: 104772

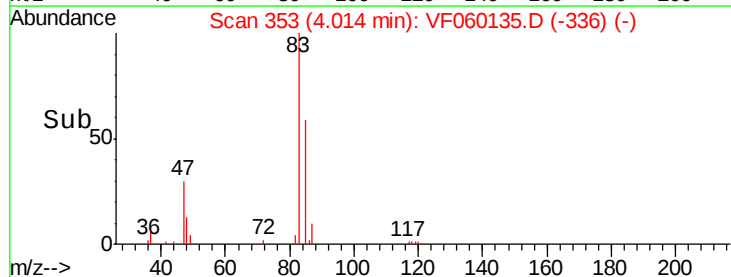
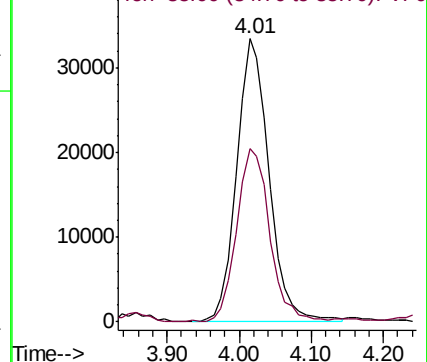
Ion Ratio Lower Upper

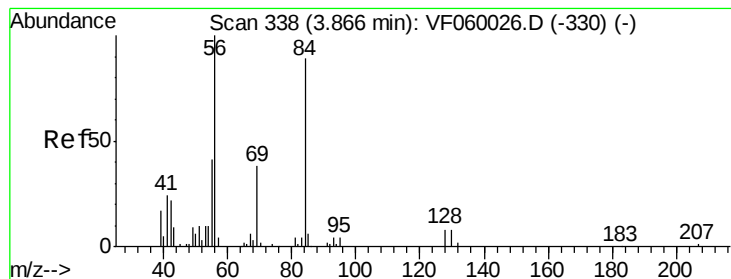
83 100

85 61.0 49.5 74.3



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





#31

Cyclohexane

Concen: 44.732 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

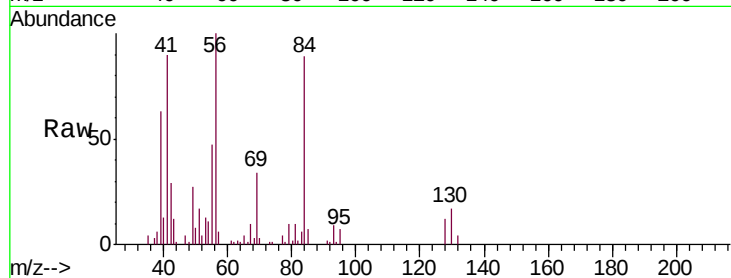
Tgt Ion: 56 Resp: 57397

Ion Ratio Lower Upper

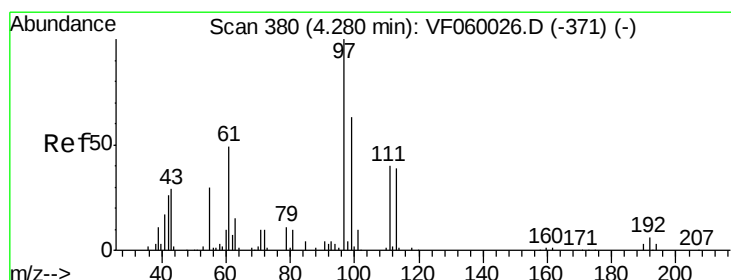
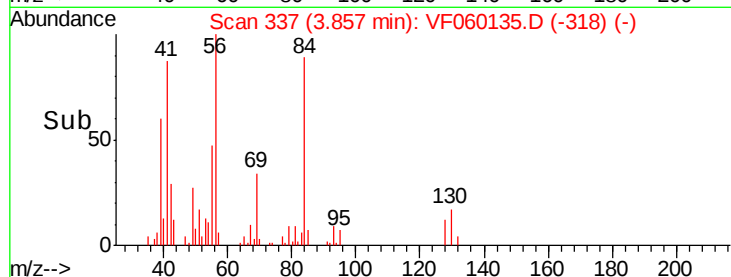
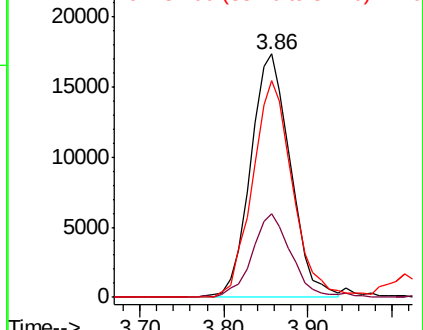
56 100

69 34.4 30.4 45.6

84 88.9 71.4 107.2



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



#32

1,1,1-Trichloroethane

Concen: 62.090 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

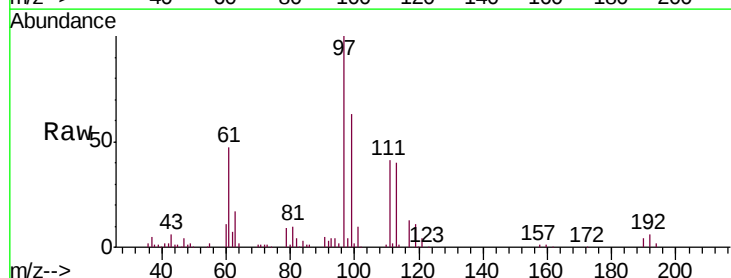
Tgt Ion: 97 Resp: 125682

Ion Ratio Lower Upper

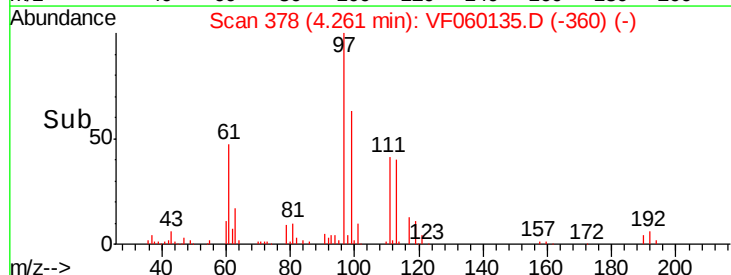
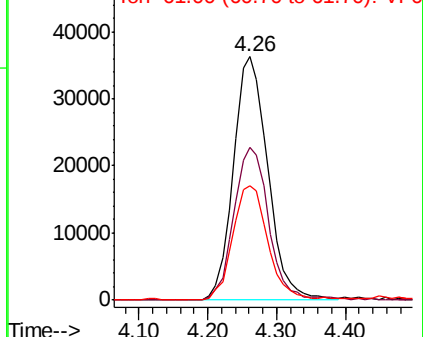
97 100

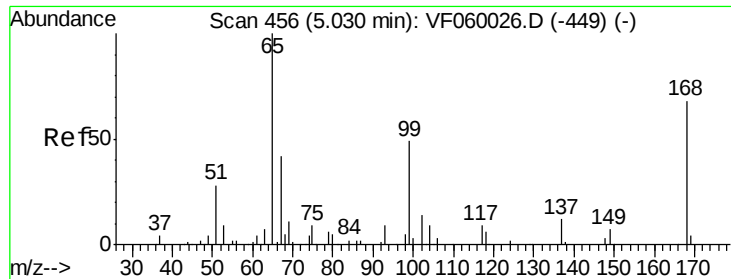
99 62.7 50.3 75.5

61 46.7 40.3 60.5



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

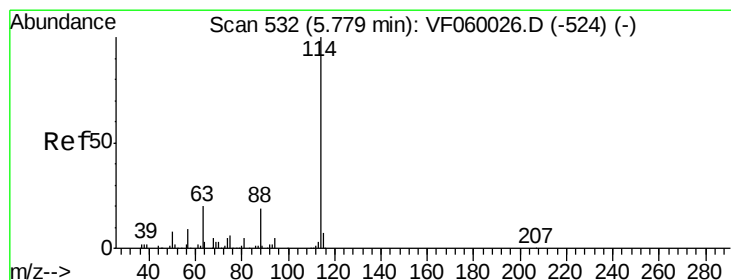
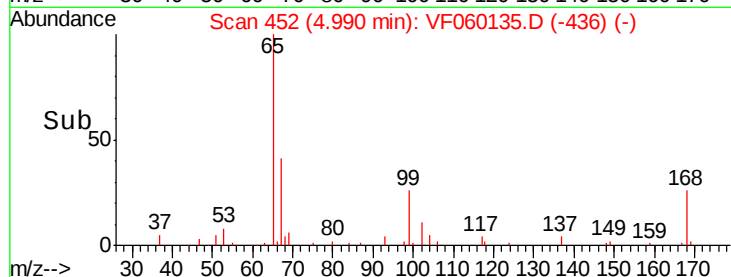
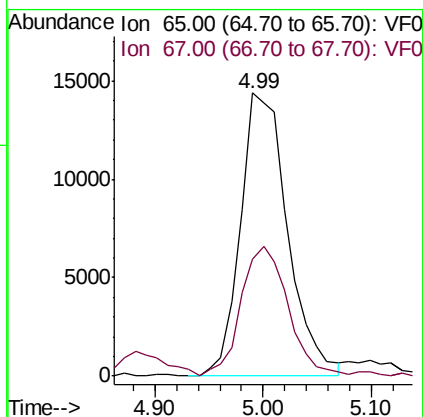
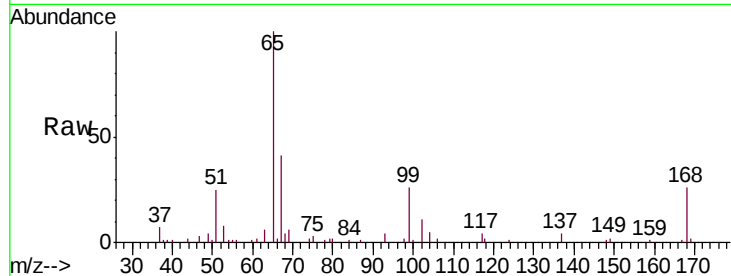




#33
 1,2-Dichloroethane-d4
 Concen: 29.711 ug/l
 RT: 4.99 min Scan# 452
 Delta R.T. -0.04 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

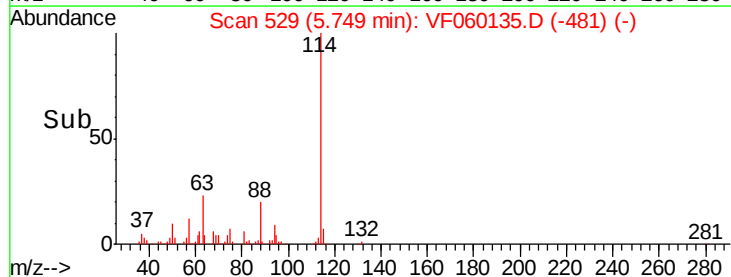
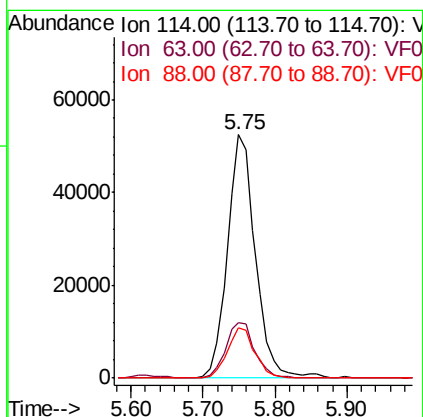
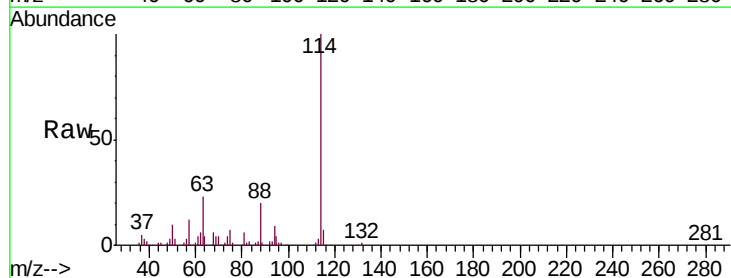
Instrument :
 MSVOA_F
 ClientSampleId :

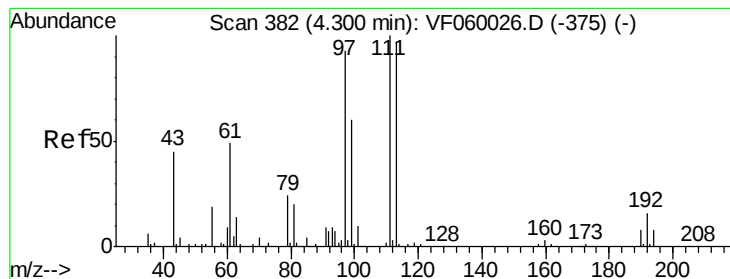
Tgt Ion: 65 Resp: 43846
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion: 114 Resp: 141614
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 40.4
 88 20.5 0.0 38.6





#35

Dibromofluoromethane

Concen: 47.145 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

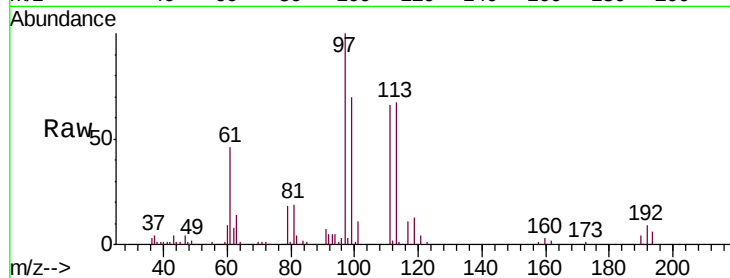
Tgt Ion:113 Resp: 52426

Ion Ratio Lower Upper

113 100

111 98.6 82.7 124.1

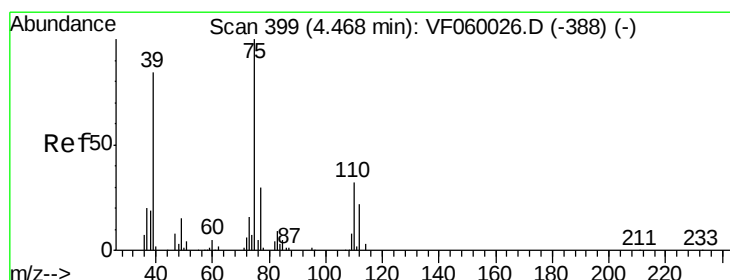
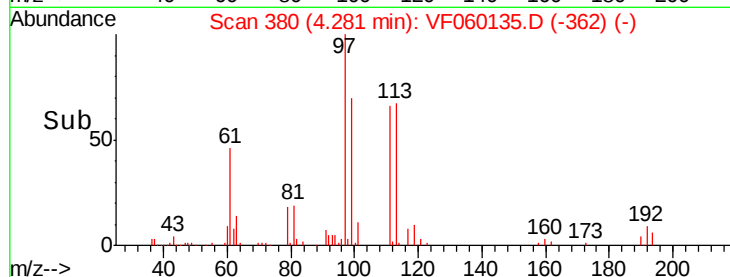
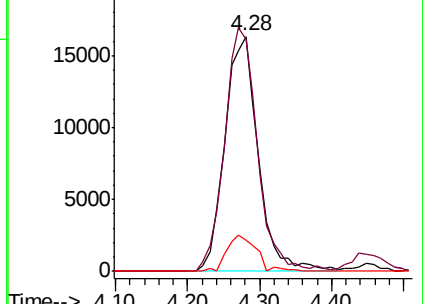
192 13.2 13.0 19.4



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: 58.406 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

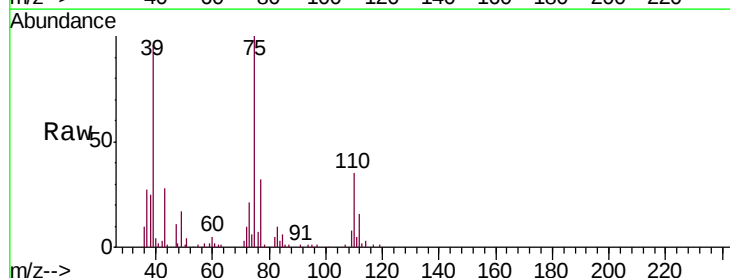
Tgt Ion: 75 Resp: 77728

Ion Ratio Lower Upper

75 100

110 34.6 16.0 47.9

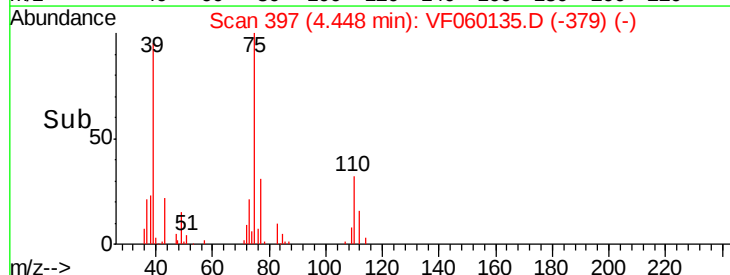
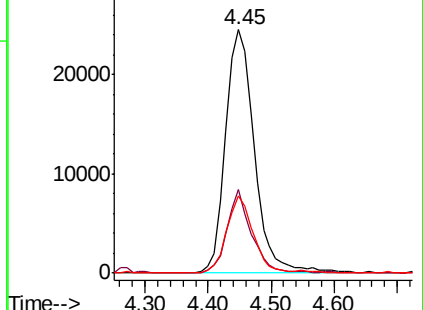
77 31.7 24.1 36.1

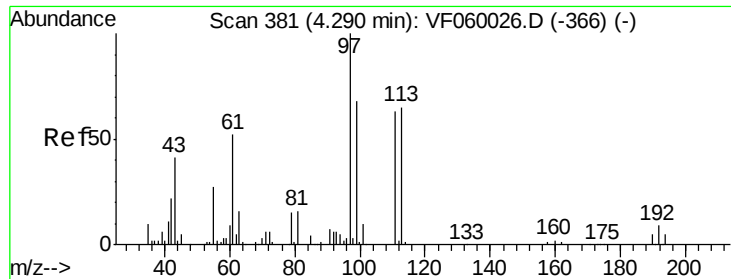


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

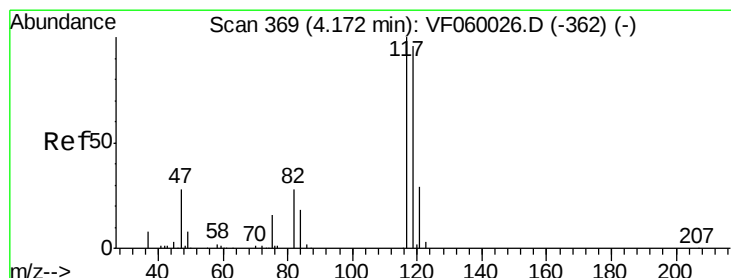
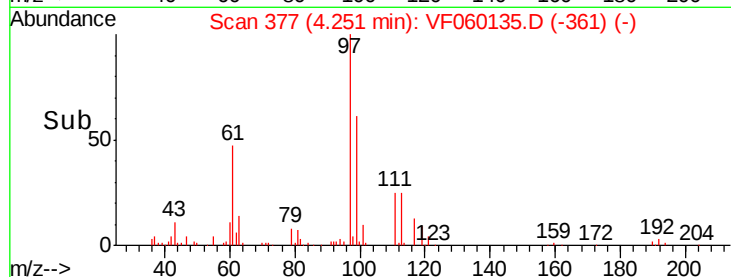
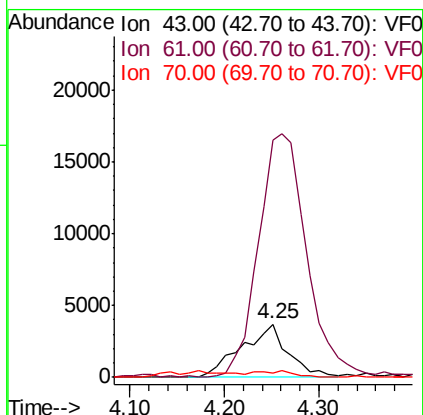
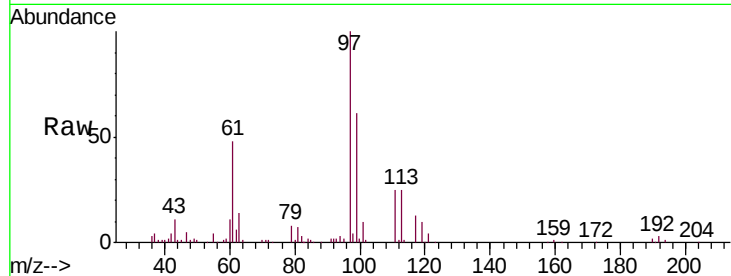




#37
Ethyl Acetate
Concen: 15.913 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.04 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

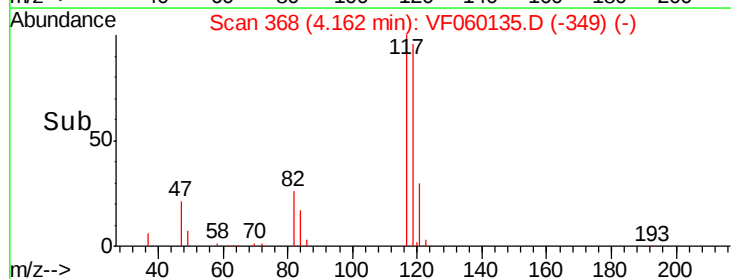
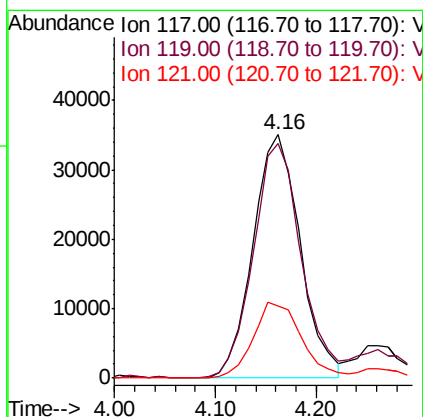
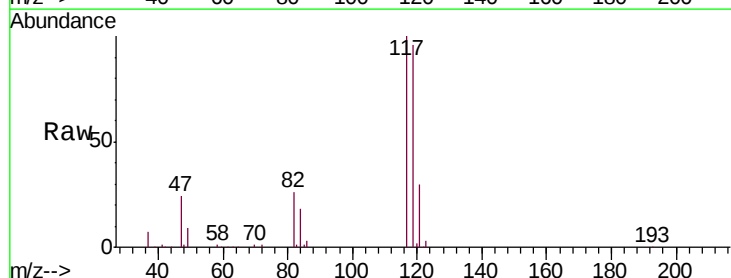
Instrument :
MSVOA_F
ClientSampleId :

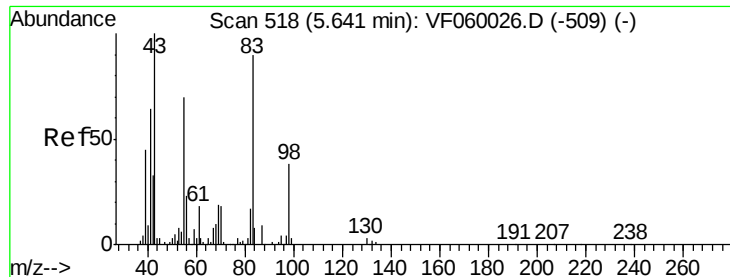
Tgt Ion: 43 Resp: 12665
Ion Ratio Lower Upper
43 100
61 449.2 101.5 152.3#
70 7.6 6.4 9.6



#38
Carbon Tetrachloride
Concen: 74.426 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion: 117 Resp: 114692
Ion Ratio Lower Upper
117 100
119 96.3 76.5 114.7
121 29.7 23.0 34.6

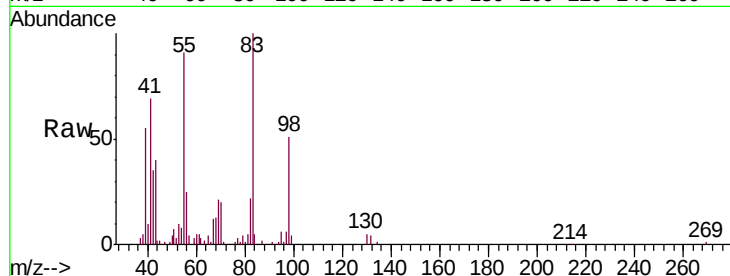




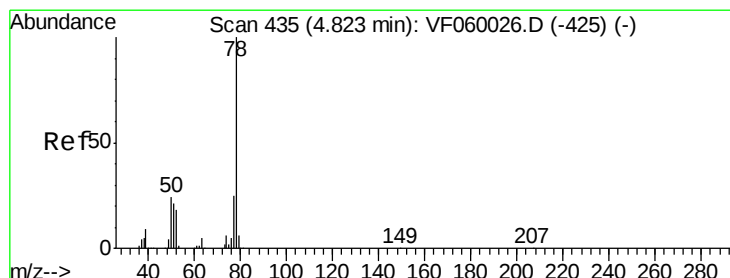
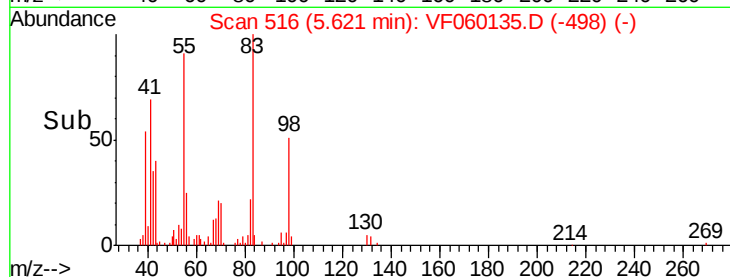
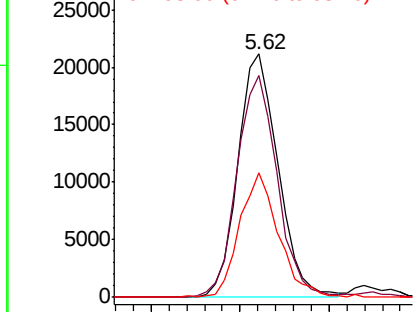
#39
Methylcyclohexane
Concen: 52.996 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion: 83 Resp: 66129
Ion Ratio Lower Upper
83 100
55 91.0 62.7 94.1
98 51.4 33.8 50.8#

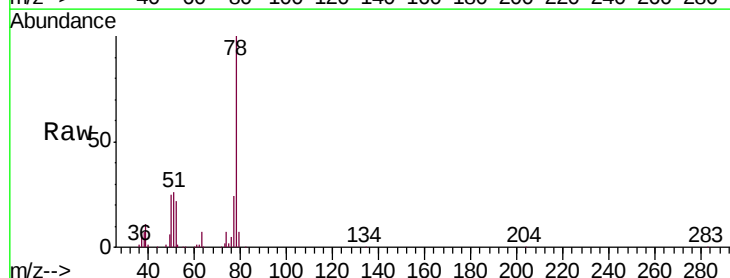


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

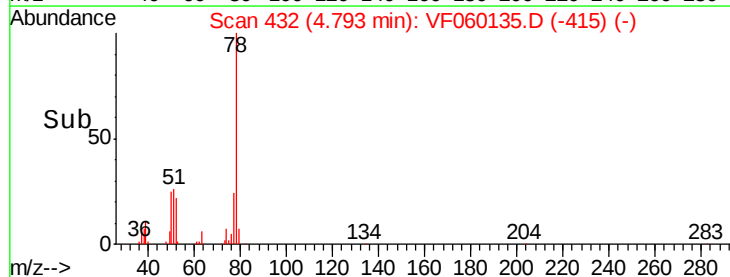
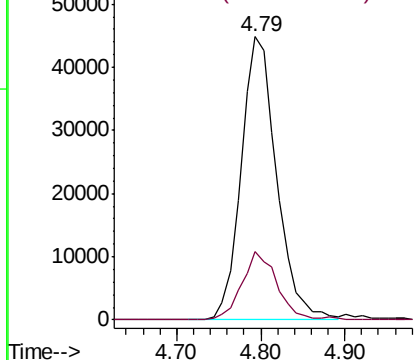


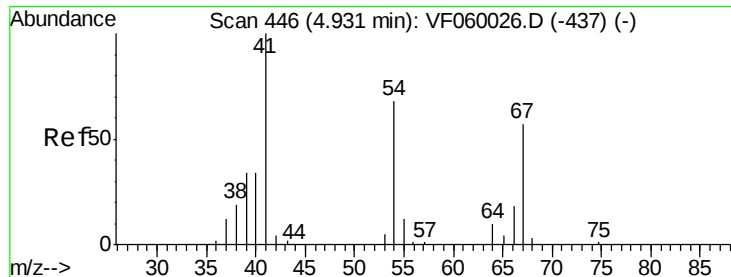
#40
Benzene
Concen: 45.381 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.03 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion: 78 Resp: 131926
Ion Ratio Lower Upper
78 100
77 24.1 19.8 29.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 18.568 ug/l

RT: 4.88 min Scan# 441

Delta R.T. -0.05 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampled :

Tgt Ion: 41 Resp: 7475

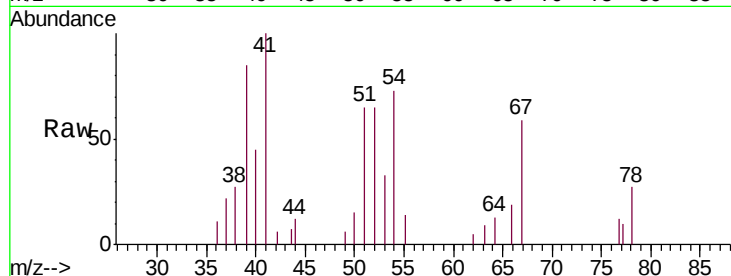
Ion Ratio Lower Upper

41 100

39 85.2 52.9 79.3#

67 58.7 45.3 67.9

52 65.1 34.8 52.2#



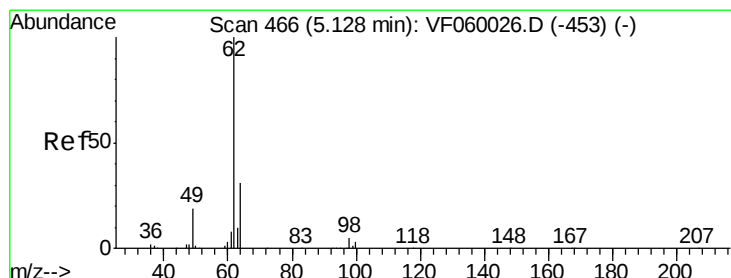
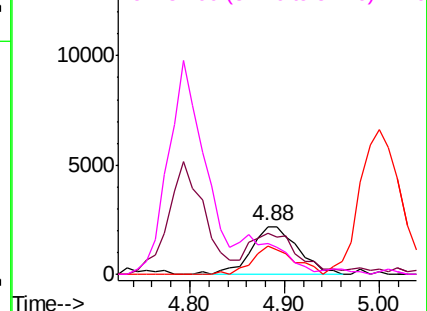
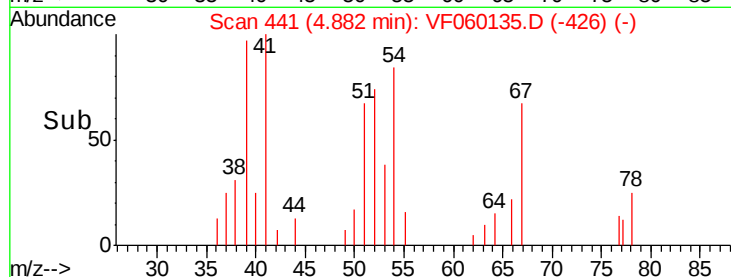
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 34.456 ug/l

RT: 5.10 min Scan# 463

Delta R.T. -0.03 min

Lab File: VF060135.D

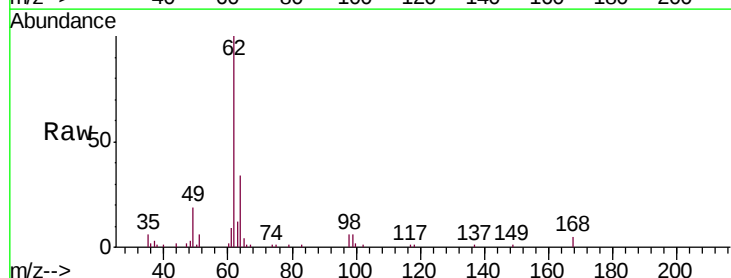
Acq: 27 Aug 2018 19:57

Tgt Ion: 62 Resp: 53710

Ion Ratio Lower Upper

62 100

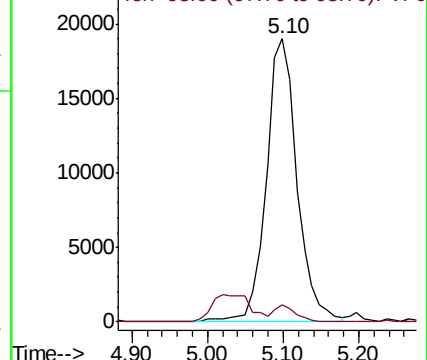
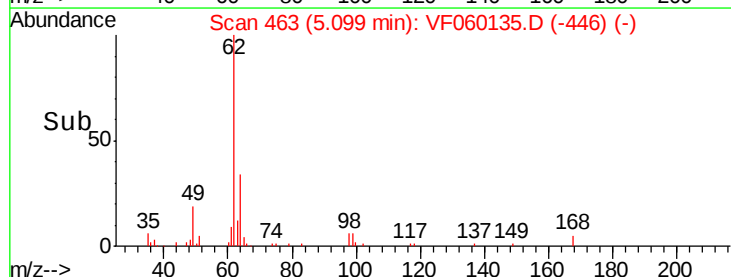
98 6.0 0.0 11.2

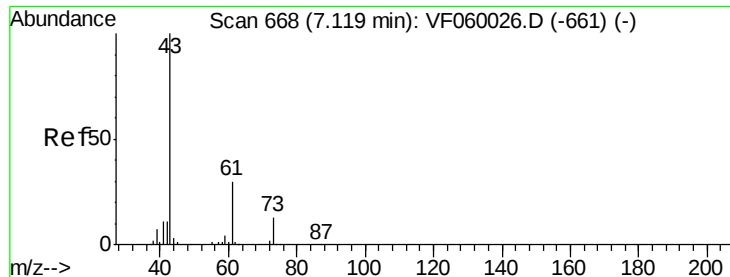


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 14.317 ug/l

RT: 7.09 min Scan# 665

Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

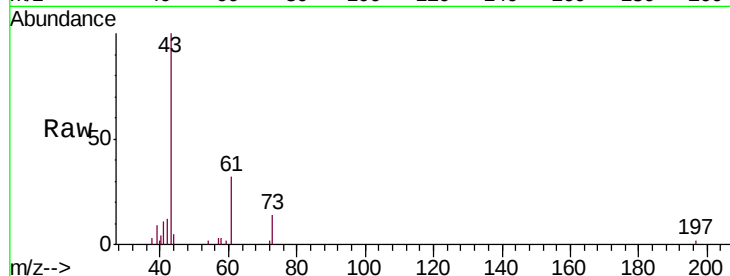
Tgt Ion: 43 Resp: 14342

Ion Ratio Lower Upper

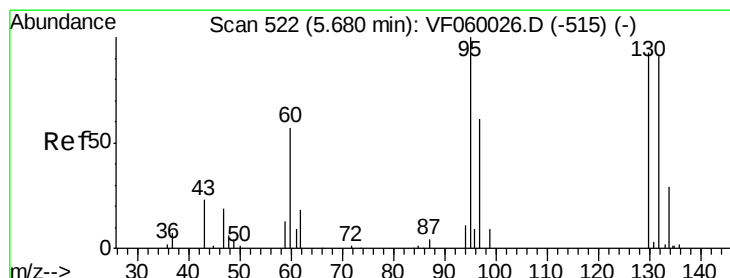
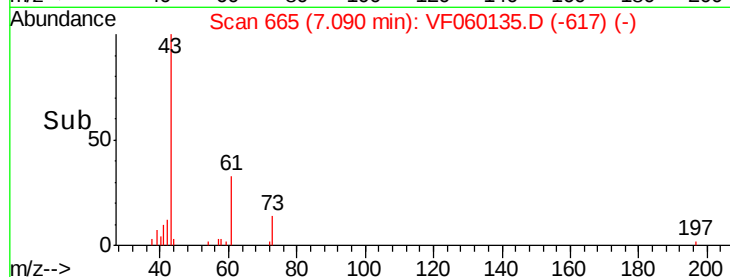
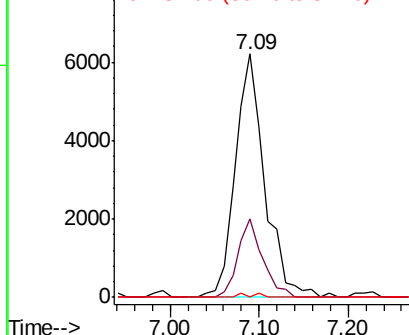
43 100

61 32.5 23.8 35.6

87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 54.615 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.02 min

Lab File: VF060135.D

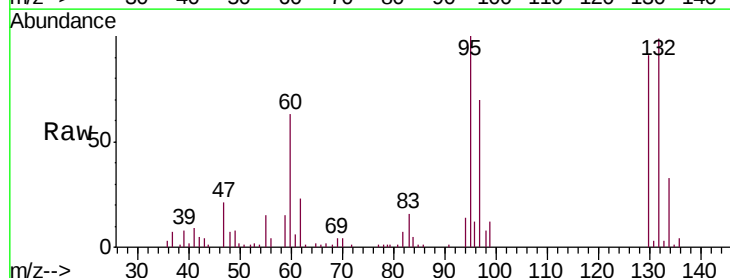
Acq: 27 Aug 2018 19:57

Tgt Ion: 130 Resp: 52487

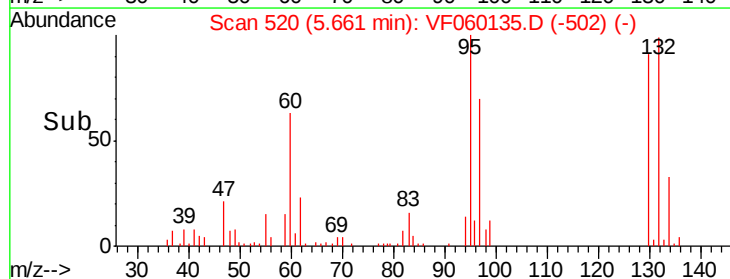
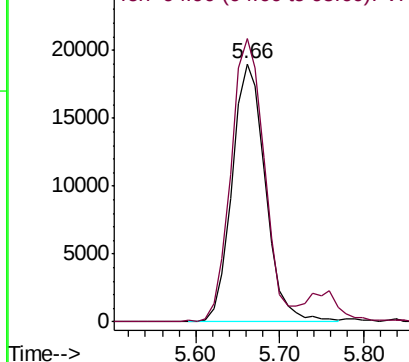
Ion Ratio Lower Upper

130 100

95 109.8 0.0 215.8



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 39.069 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

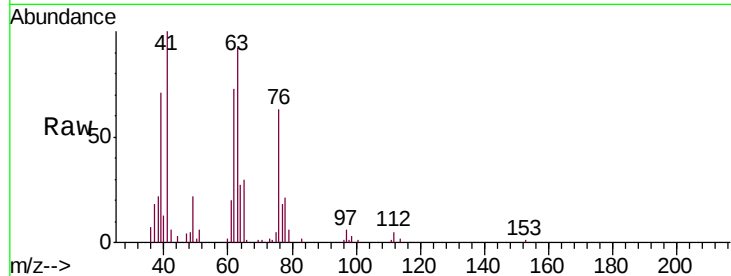
ClientSampleId :

Tgt Ion: 63 Resp: 32127

Ion Ratio Lower Upper

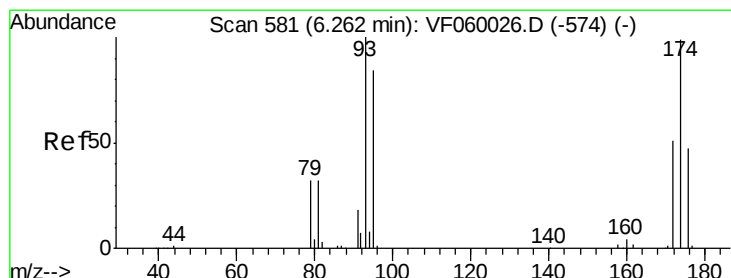
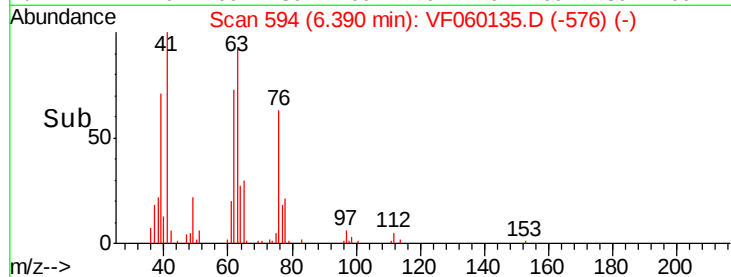
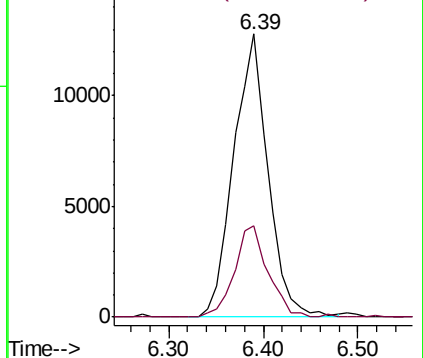
63 100

65 32.5 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 27.921 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

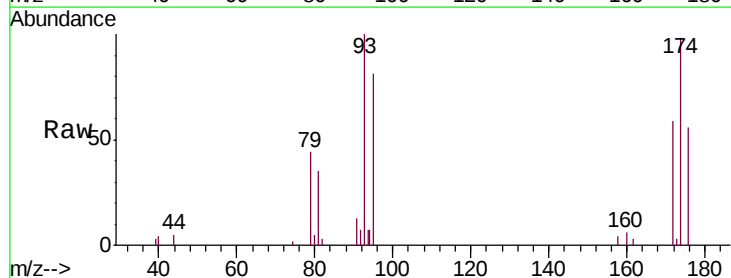
Tgt Ion: 93 Resp: 17966

Ion Ratio Lower Upper

93 100

95 80.5 67.1 100.7

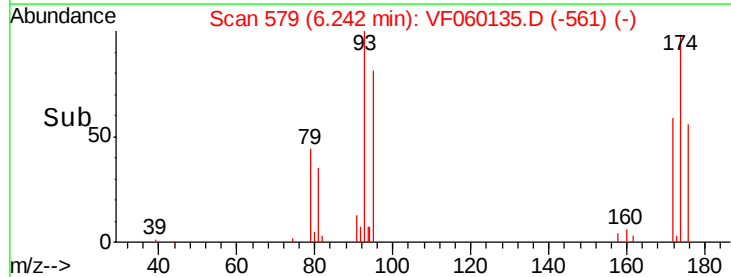
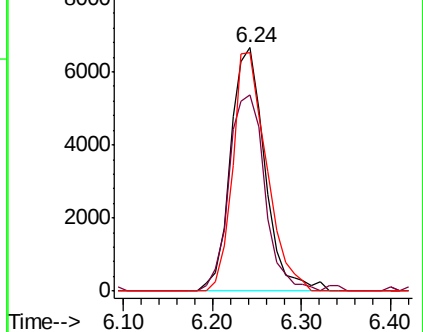
174 97.8 79.0 118.4

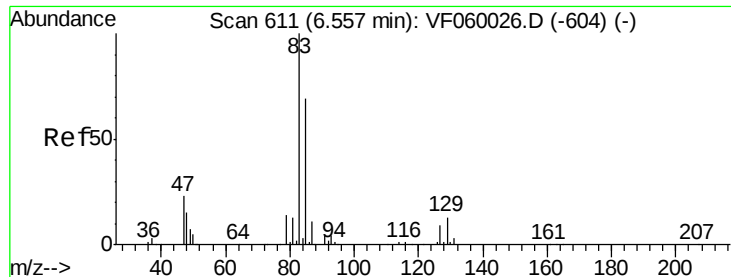


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 42.601 ug/l

RT: 6.53 min Scan# 608

Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :

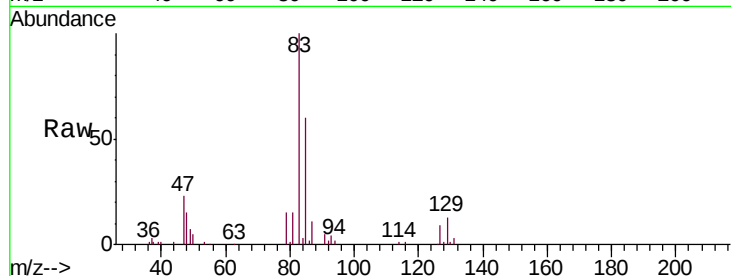
Tgt Ion: 83 Resp: 66210

Ion Ratio Lower Upper

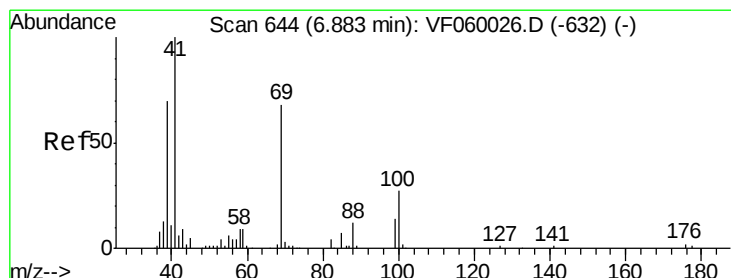
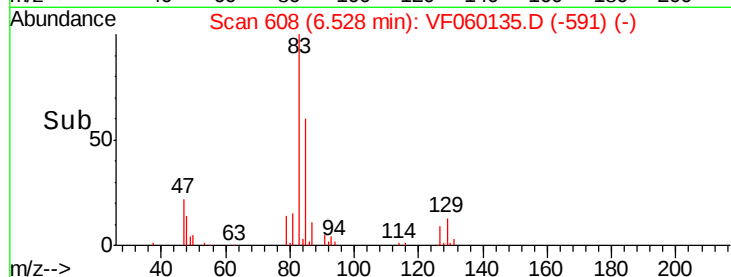
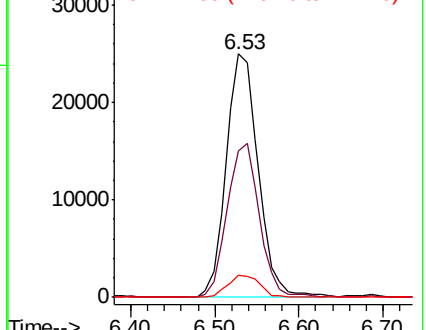
83 100

85 59.9 55.2 82.8

127 9.3 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 23.278 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

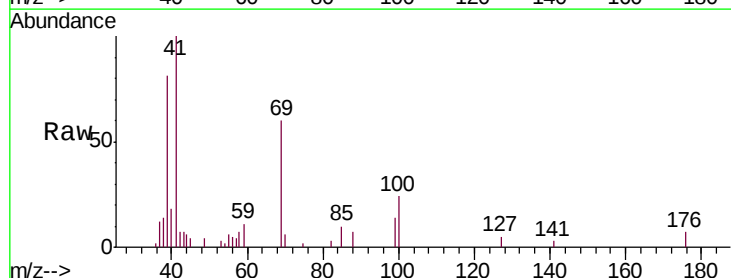
Tgt Ion: 41 Resp: 15430

Ion Ratio Lower Upper

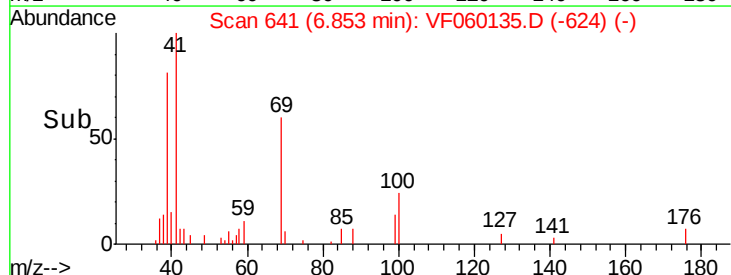
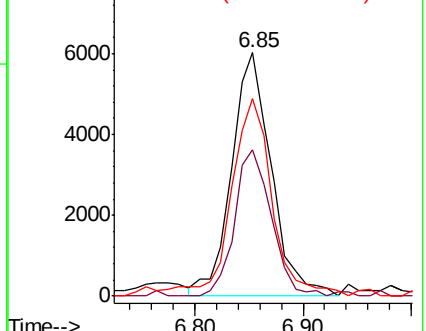
41 100

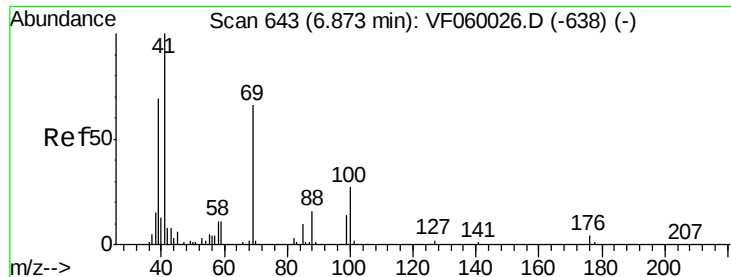
69 60.1 54.6 81.8

39 81.1 56.5 84.7



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 297.799 ug/l

RT: 6.84 min Scan# 640

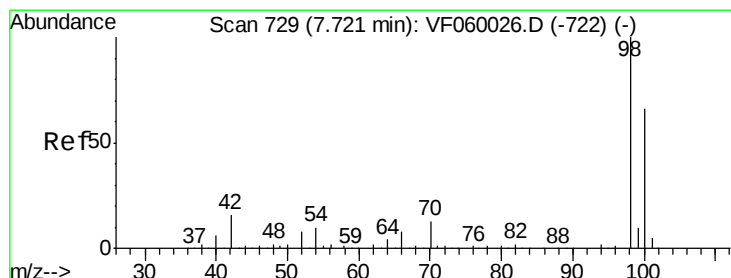
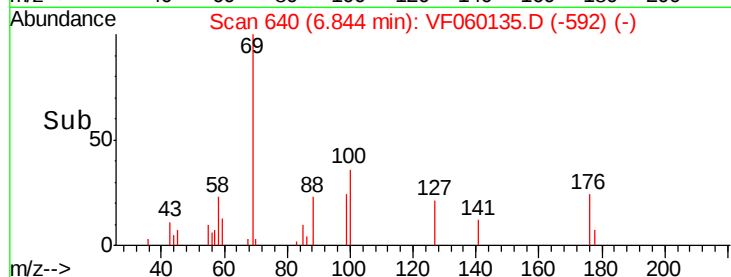
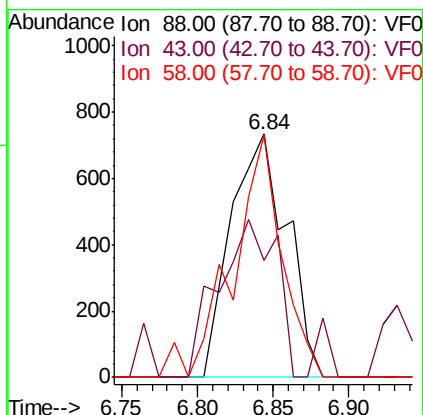
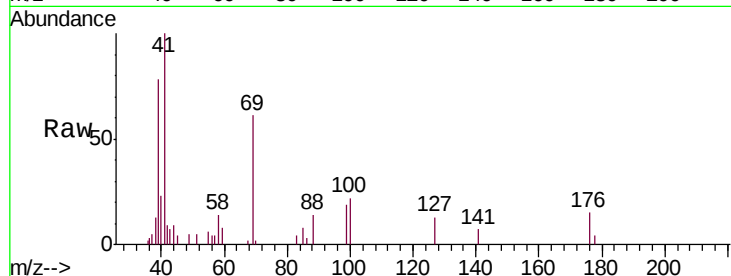
Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :
MSVOA_F
ClientSampled :

Tgt Ion:	88	Resp:	1895
Ion	Ratio	Lower	Upper
88	100		
43	48.1	46.5	69.7
58	99.7	54.8	82.2#



#50

Toluene-d8

Concen: 64.481 ug/l

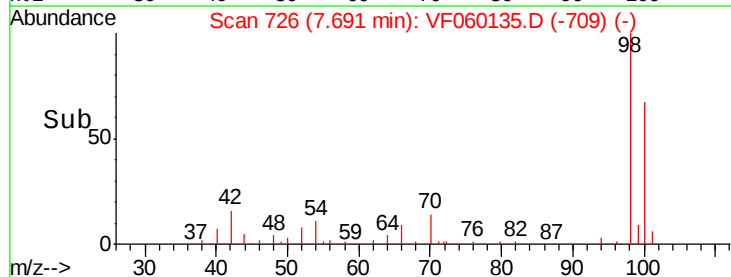
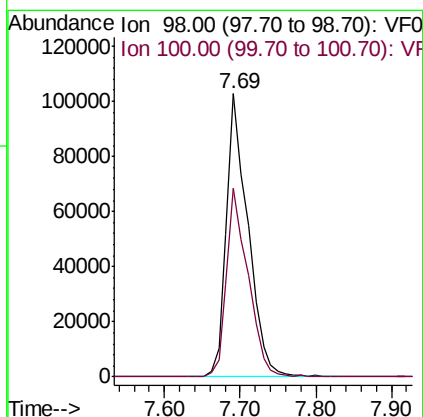
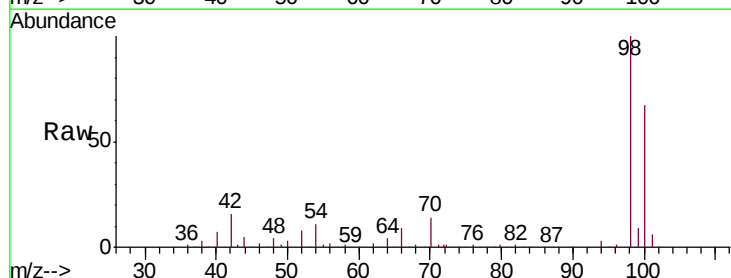
RT: 7.69 min Scan# 726

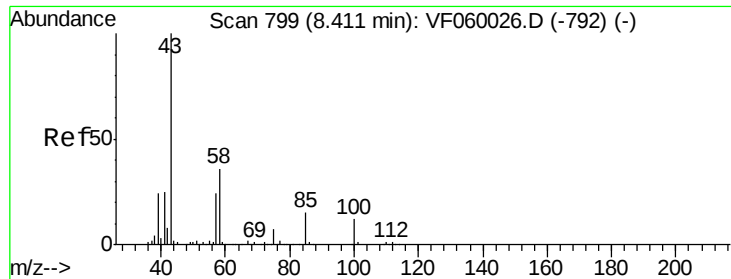
Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Tgt Ion:	98	Resp:	203641
Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.2	79.8

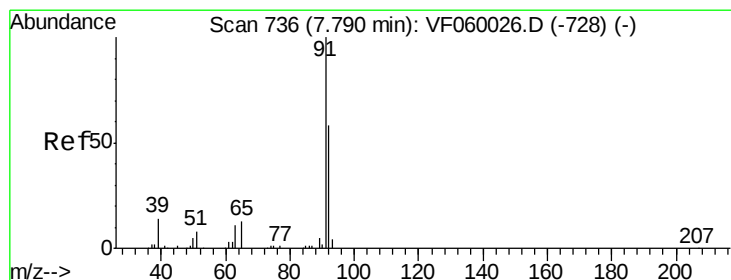
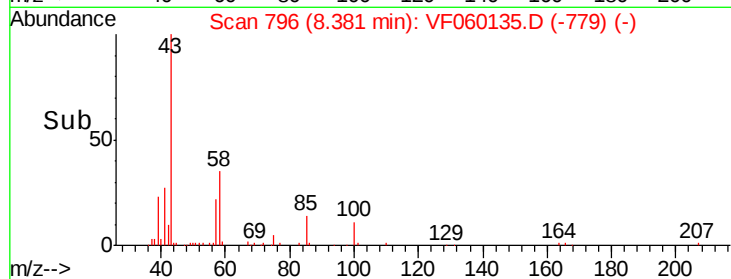
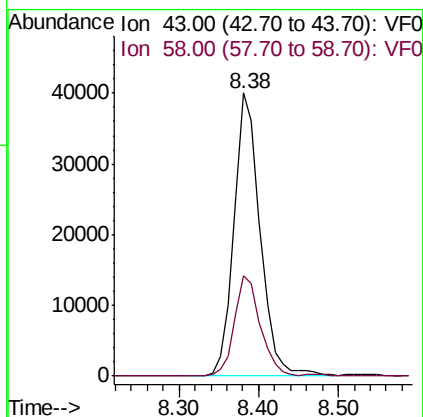
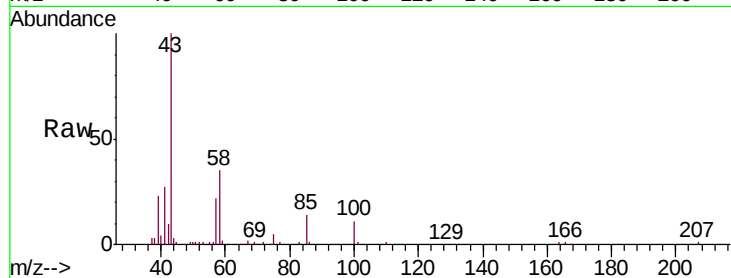




#51
 4-Methyl-2-Pentanone
 Concen: 106.322 ug/l
 RT: 8.38 min Scan# 796
 Delta R.T. -0.03 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

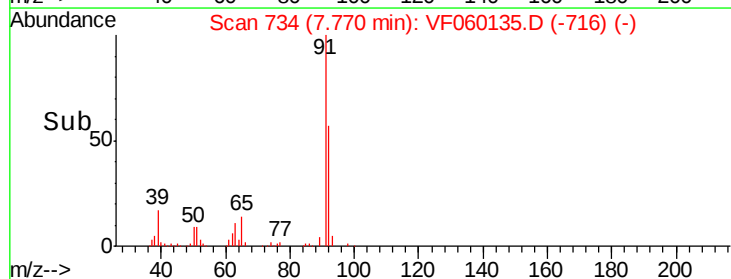
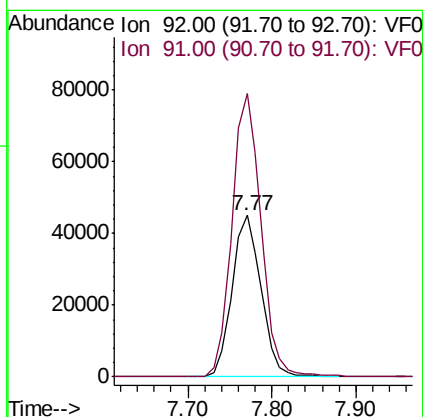
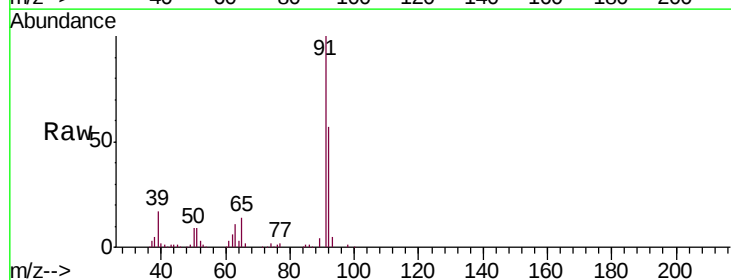
Instrument :
 MSVOA_F
 ClientSampleId :

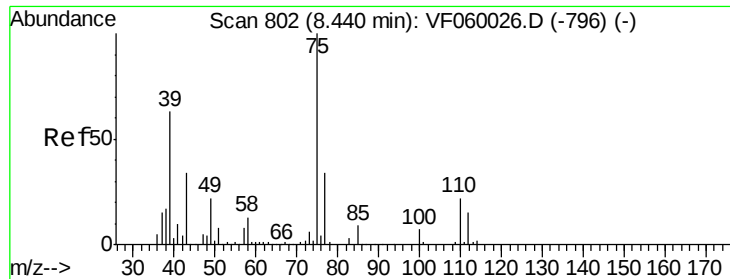
Tgt Ion: 43 Resp: 91973
 Ion Ratio Lower Upper
 43 100
 58 35.4 28.6 42.8



#52
 Toluene
 Concen: 58.645 ug/l
 RT: 7.77 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion: 92 Resp: 108085
 Ion Ratio Lower Upper
 92 100
 91 175.5 137.7 206.5

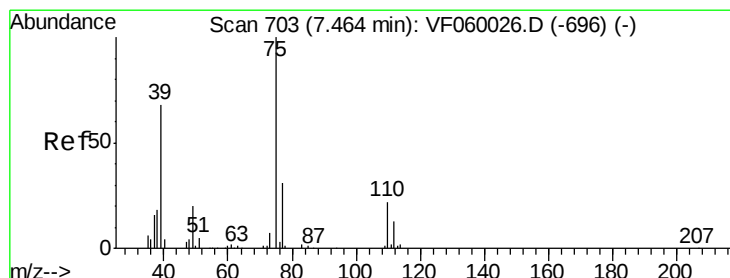
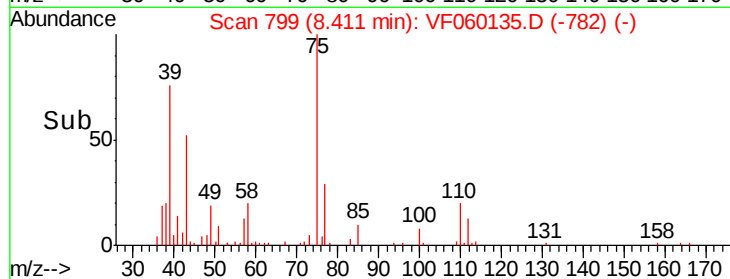
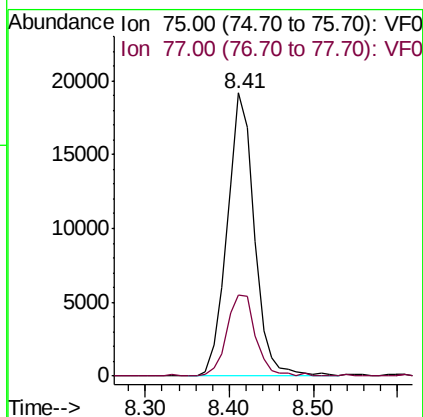
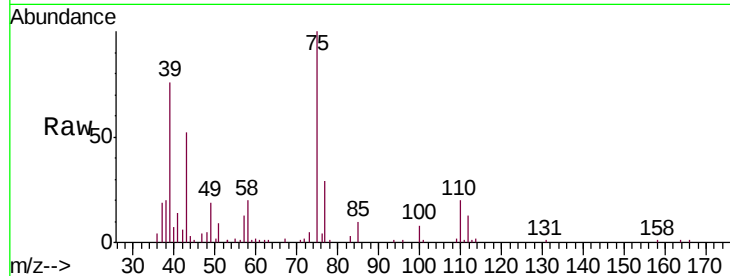




#53
 t-1,3-Dichloropropene
 Concen: 30.586 ug/l
 RT: 8.41 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

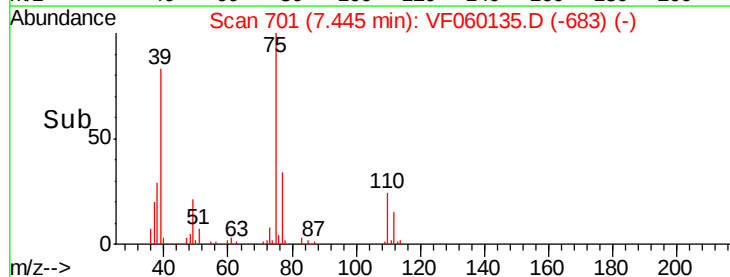
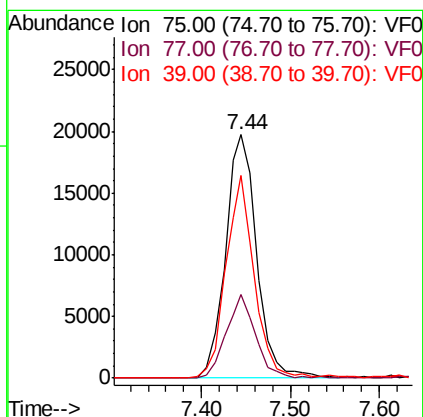
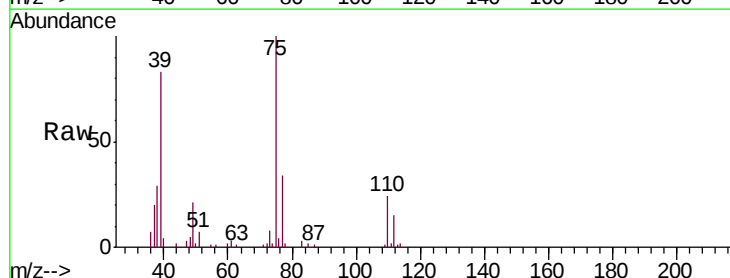
Instrument :
 MSVOA_F
 ClientSampleId :

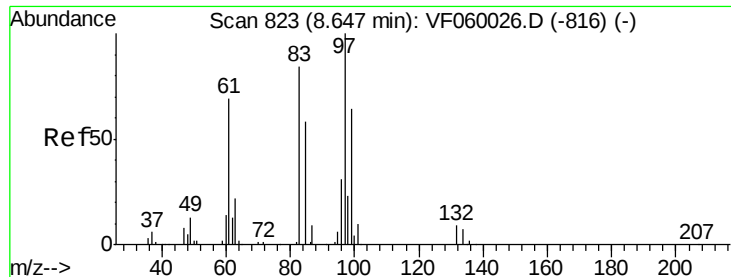
Tgt Ion: 75 Resp: 43108
 Ion Ratio Lower Upper
 75 100
 77 28.8 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 30.728 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion: 75 Resp: 48334
 Ion Ratio Lower Upper
 75 100
 77 34.4 24.6 37.0
 39 83.0 54.6 81.8#





#55

1,1,2-Trichloroethane

Concen: 27.752 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

Tgt Ion: 97 Resp: 21769

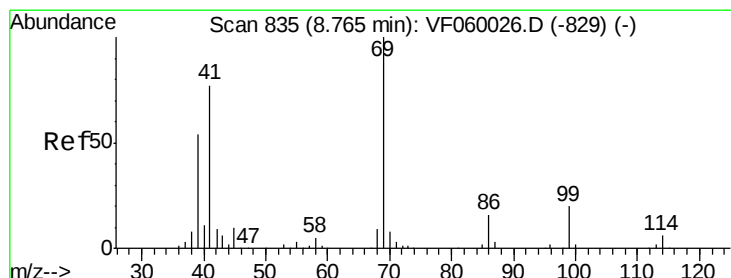
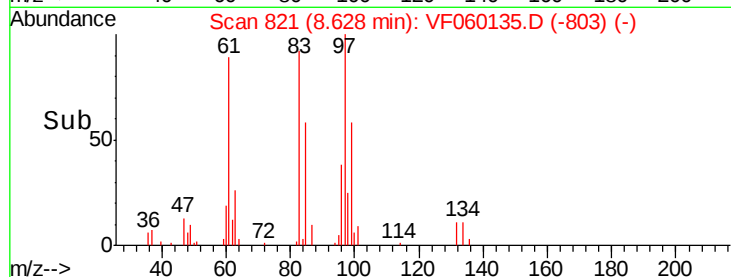
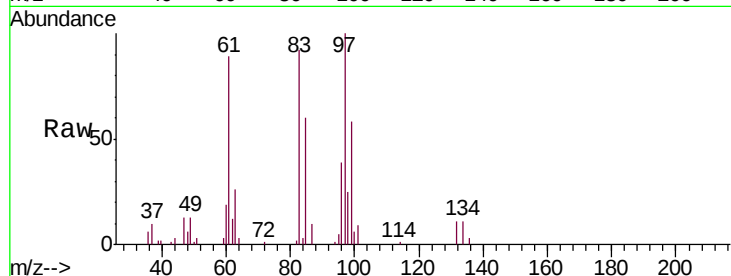
Ion	Ratio	Lower	Upper
97	100		
83	92.4	67.4	101.2
85	60.5	46.2	69.2
99	58.4	51.1	76.7

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 19.519 ug/l

RT: 8.75 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

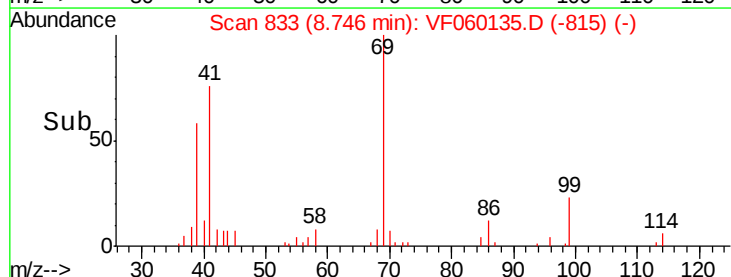
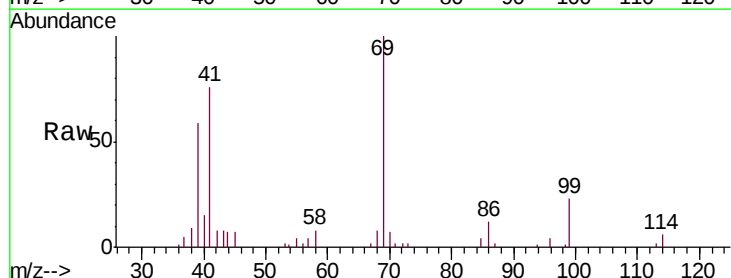
Tgt Ion: 69 Resp: 18533

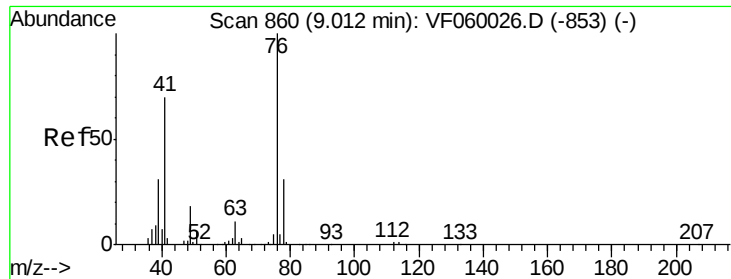
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.6	92.4
39	59.5	43.9	65.9

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 28.326 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.03 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

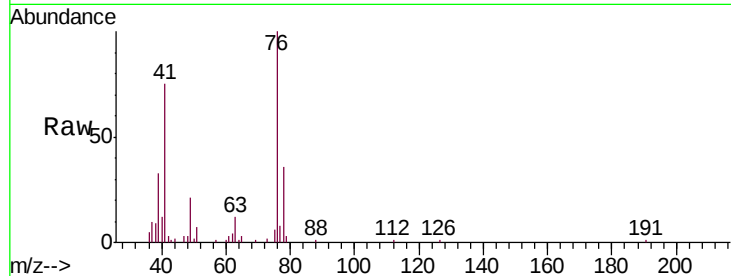
ClientSampleId :

Tgt Ion: 76 Resp: 39054

Ion Ratio Lower Upper

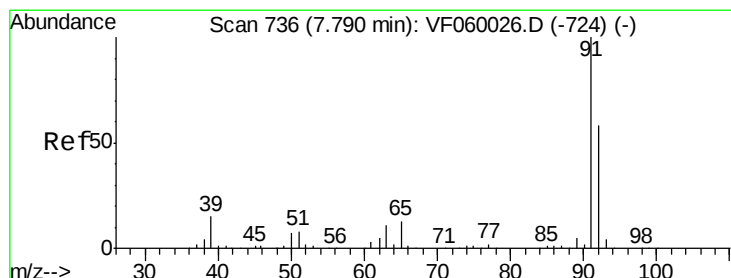
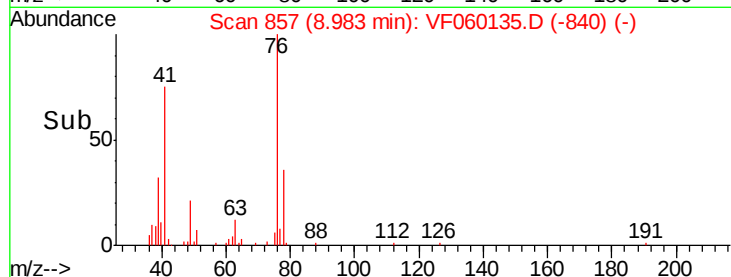
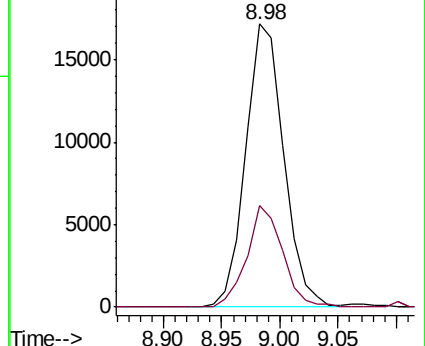
76 100

78 35.9 25.2 37.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 290.942 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF060135.D

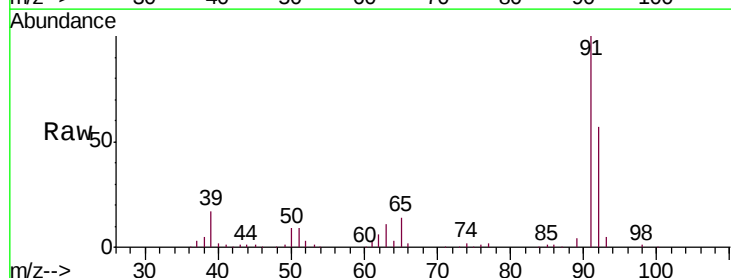
Acq: 27 Aug 2018 19:57

Tgt Ion: 63 Resp: 21927

Ion Ratio Lower Upper

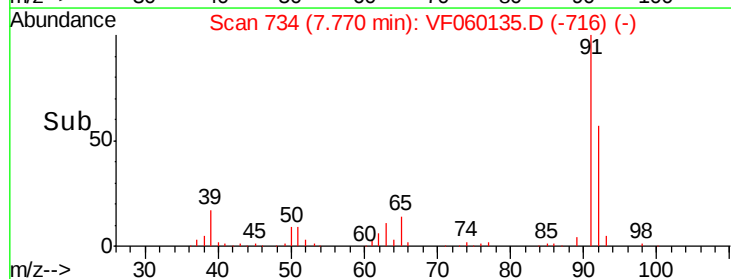
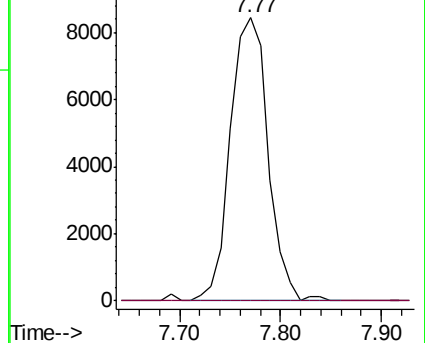
63 100

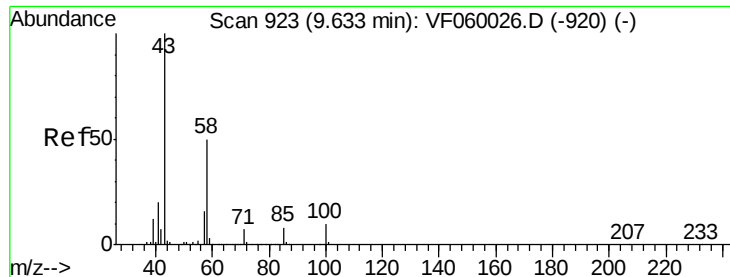
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

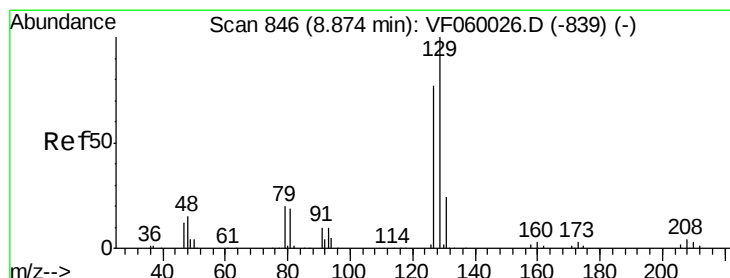
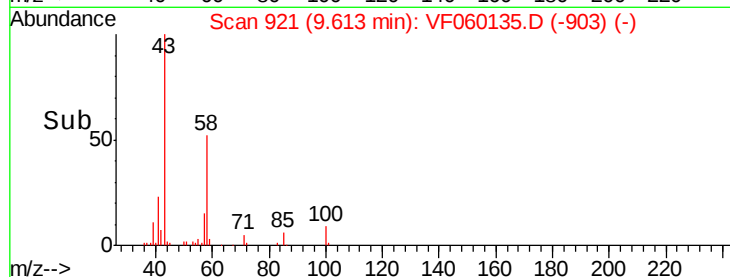
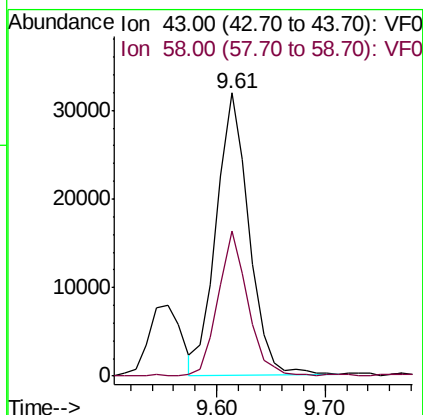
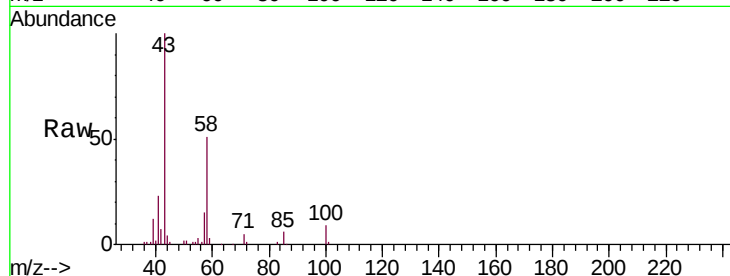




#59
2-Hexanone
Concen: 95.105 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

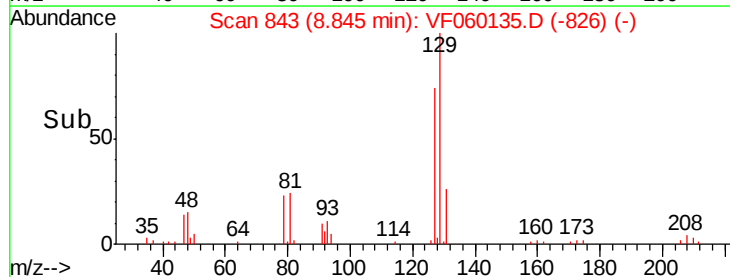
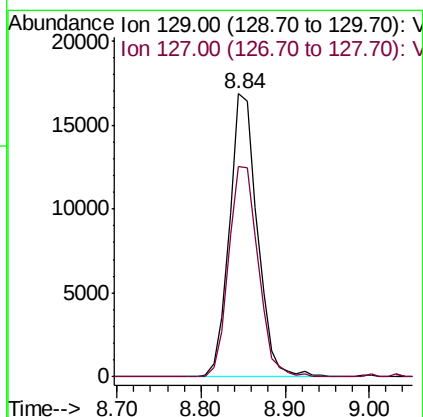
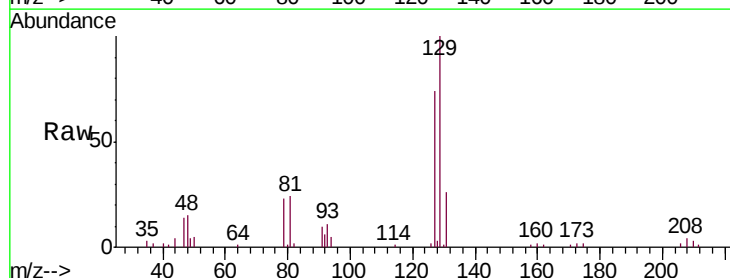
Instrument :
MSVOA_F
ClientSampleId :

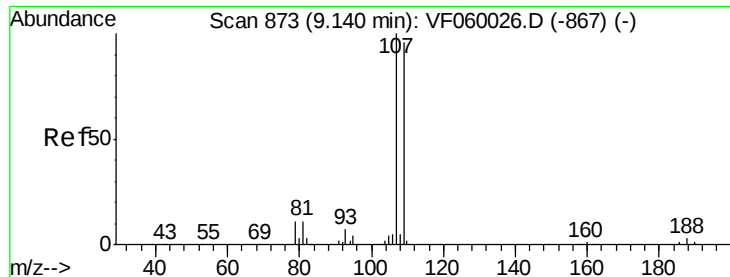
Tgt Ion: 43 Resp: 66586
Ion Ratio Lower Upper
43 100
58 51.4 23.4 70.2



#60
Dibromochloromethane
Concen: 33.581 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.03 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion: 129 Resp: 38885
Ion Ratio Lower Upper
129 100
127 74.1 38.6 115.8

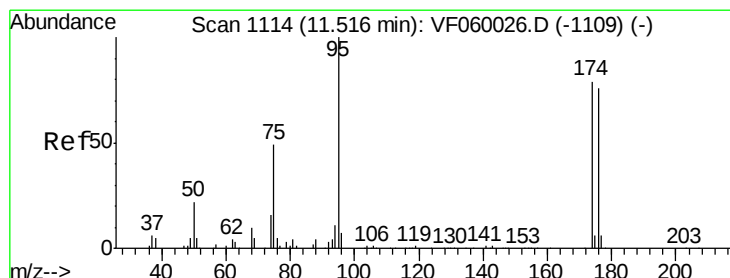
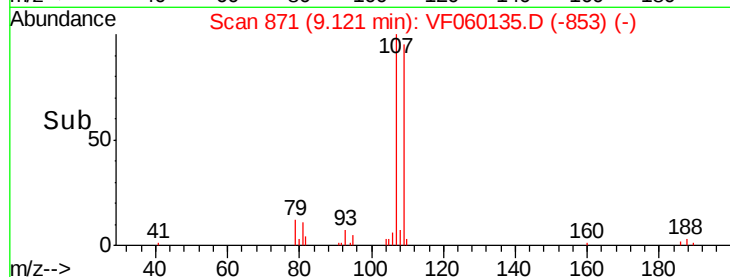
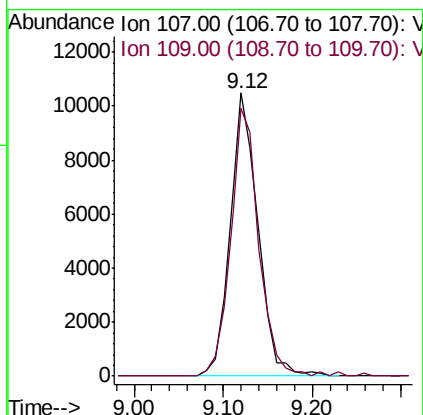
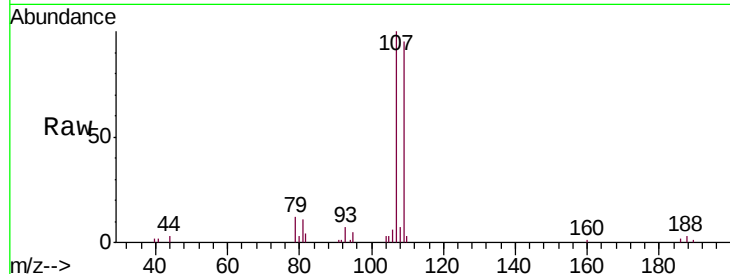




#61
 1,2-Dibromoethane
 Concen: 24.830 ug/l
 RT: 9.12 min Scan# 871
 Delta R.T. -0.02 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

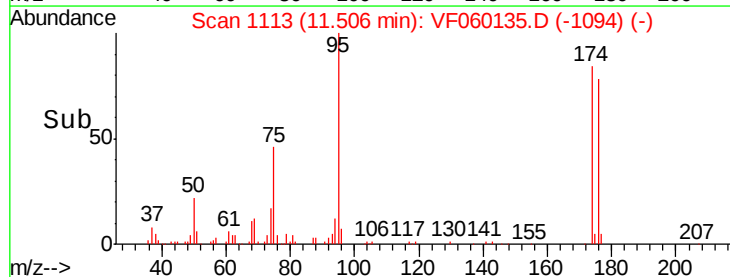
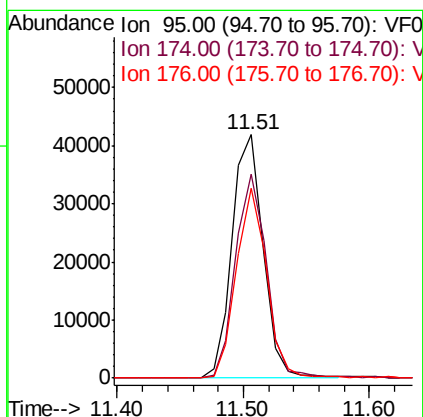
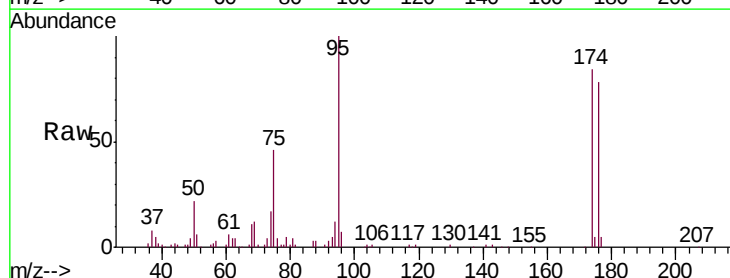
Instrument :
 MSVOA_F
 ClientSampleId :

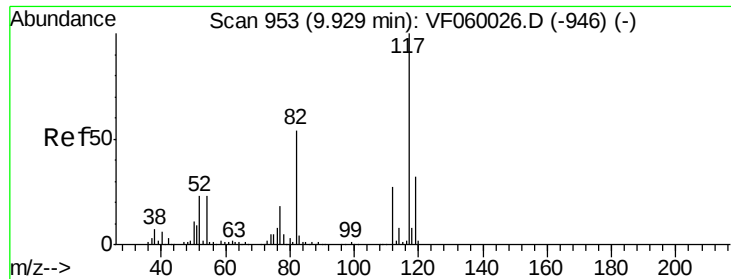
Tgt Ion: 107 Resp: 22874
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 42.757 ug/l
 RT: 11.51 min Scan# 1113
 Delta R.T. -0.01 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion: 95 Resp: 71434
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 158.4
 176 78.2 0.0 153.0

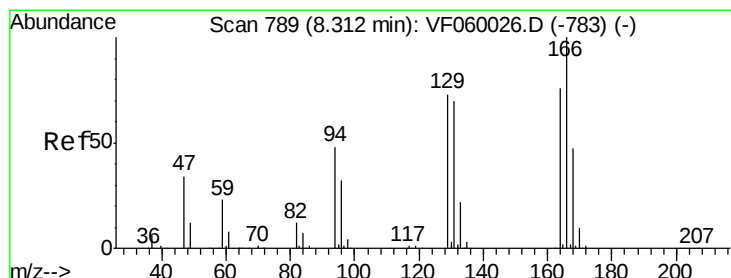
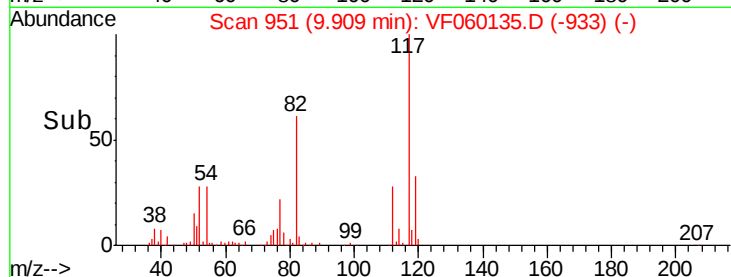
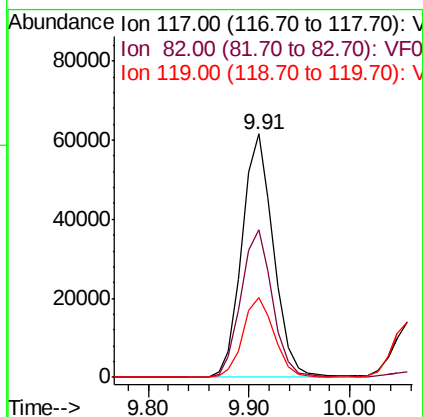
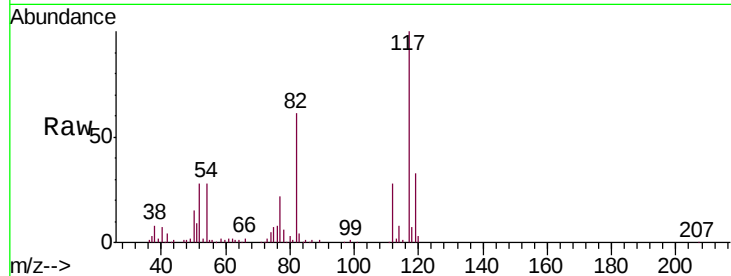




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

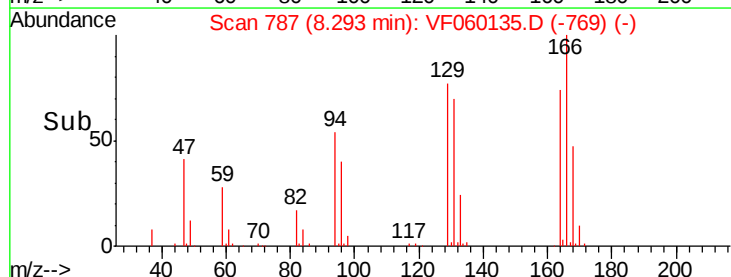
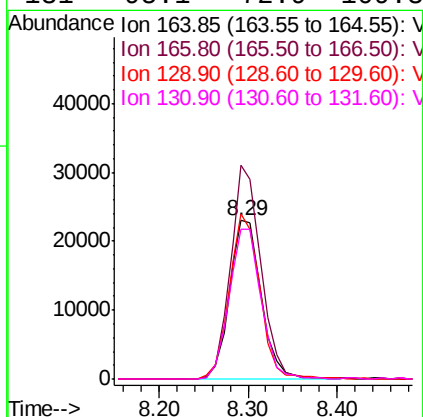
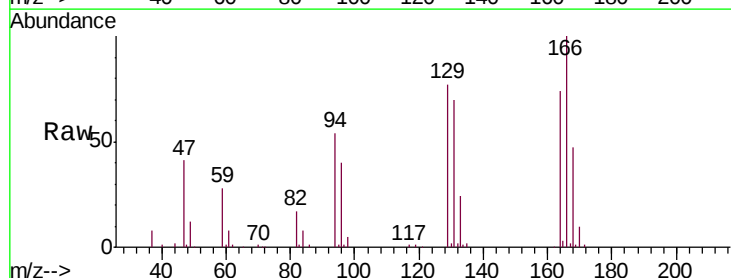
Instrument :
MSVOA_F
ClientSampleId :

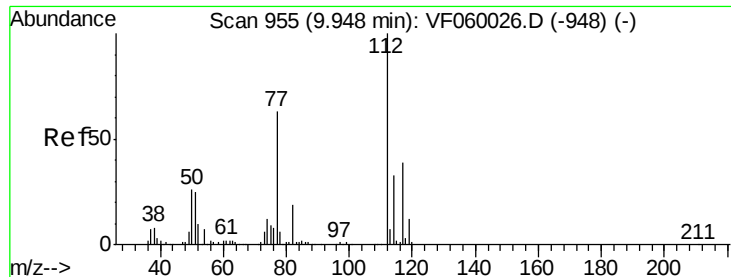
Tgt Ion:117 Resp: 134242
Ion Ratio Lower Upper
117 100
82 60.5 43.6 65.4
119 32.9 25.6 38.4



#64
Tetrachloroethene
Concen: 63.325 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion:164 Resp: 57266
Ion Ratio Lower Upper
164 100
166 135.0 104.7 157.1
129 104.0 77.0 115.4
131 95.1 72.9 109.3





#65

Chlorobenzene

Concen: 50.495 ug/l

RT: 9.93 min Scan# 953

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

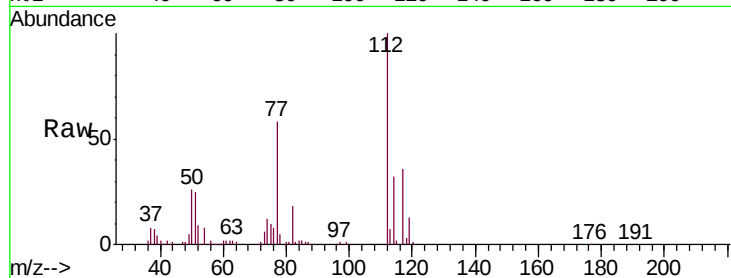
Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:112 Resp: 127999

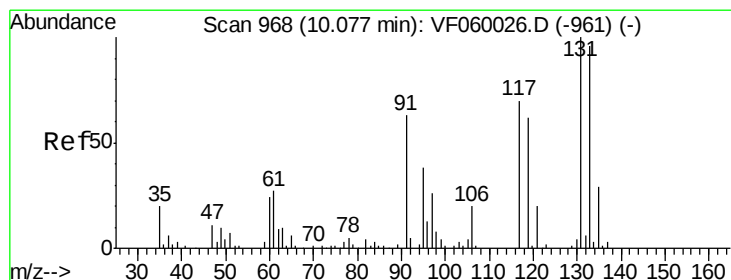
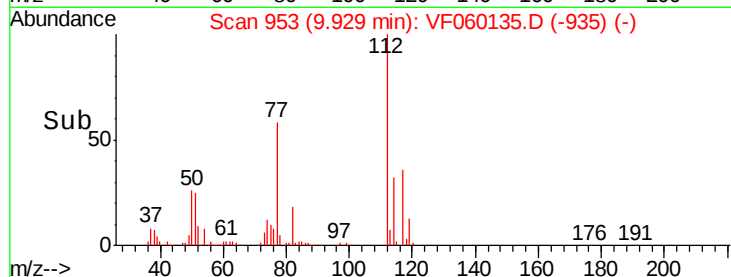
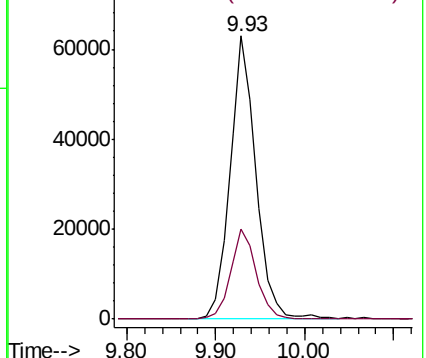
Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.560 ug/l

RT: 10.06 min Scan# 966

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

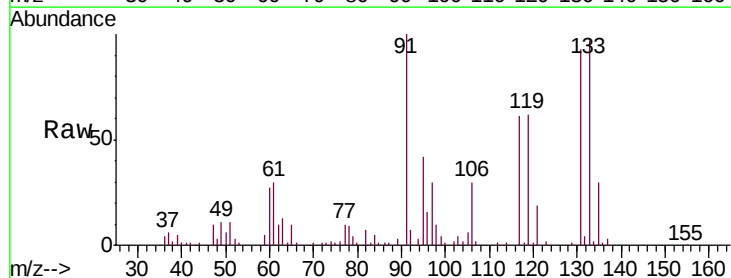
Tgt Ion:131 Resp: 47649

Ion Ratio Lower Upper

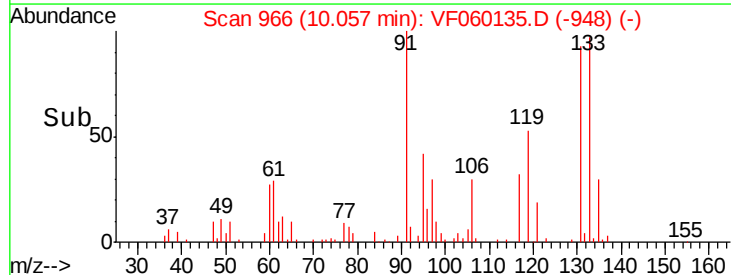
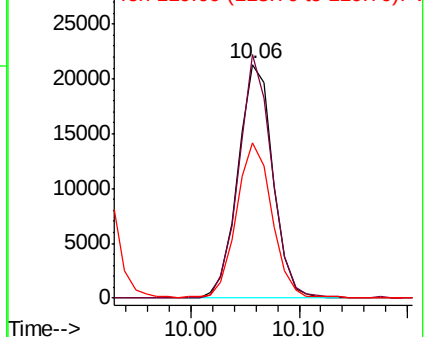
131 100

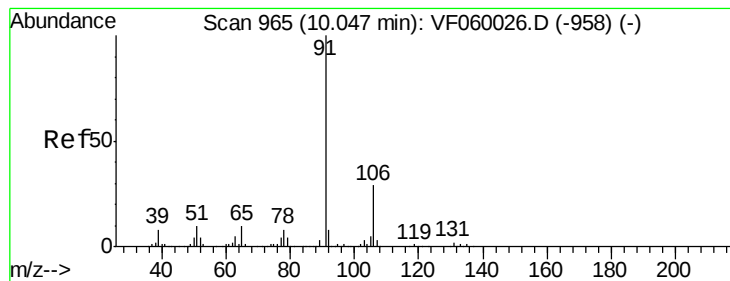
133 104.2 48.2 144.6

119 66.3 31.4 94.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 61.738 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

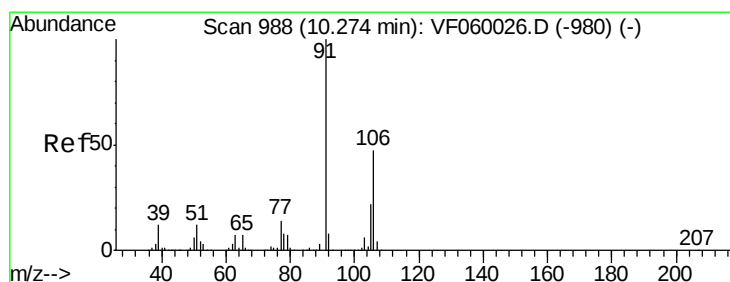
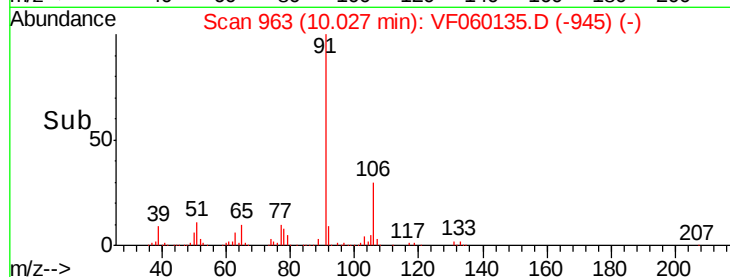
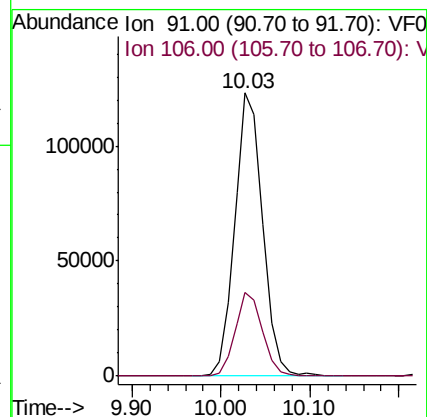
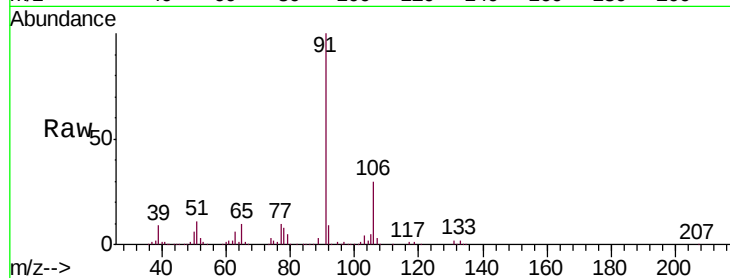
ClientSampleId :

Tgt Ion: 91 Resp: 270036

Ion Ratio Lower Upper

91 100

106 29.5 23.6 35.4



#68

m/p-Xylenes

Concen: 131.631 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060135.D

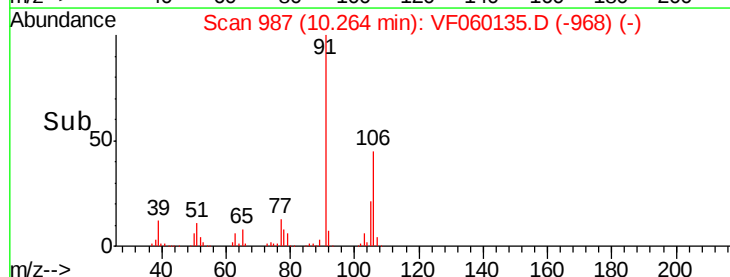
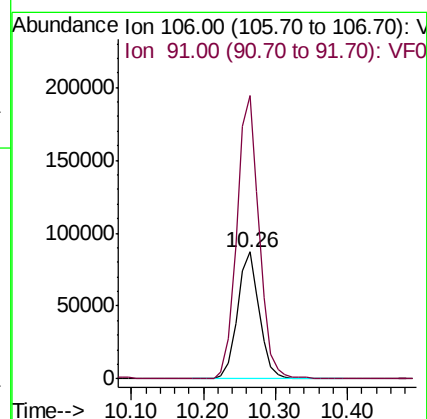
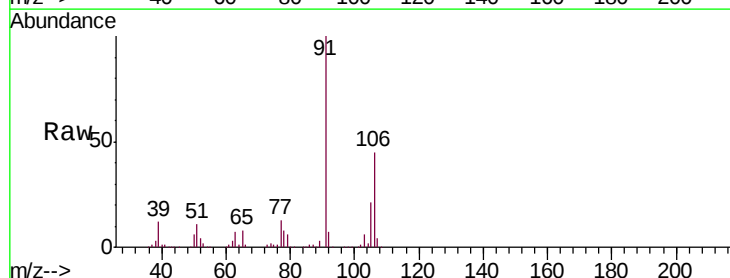
Acq: 27 Aug 2018 19:57

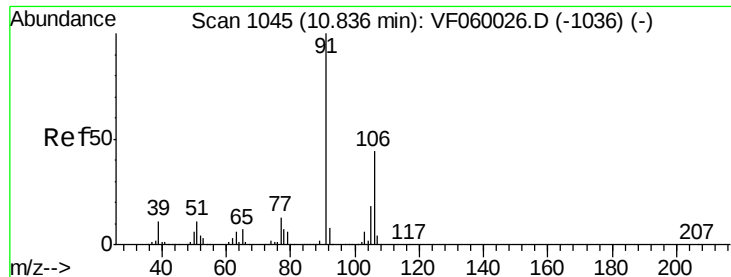
Tgt Ion: 106 Resp: 183497

Ion Ratio Lower Upper

106 100

91 223.0 171.8 257.8

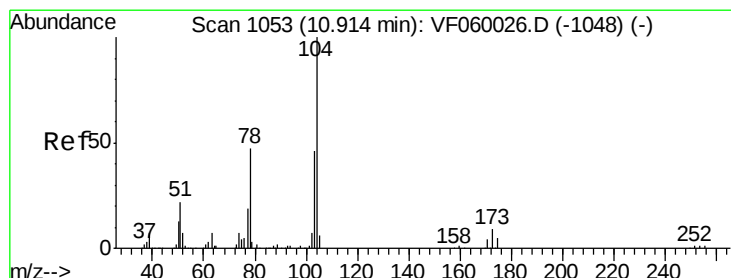
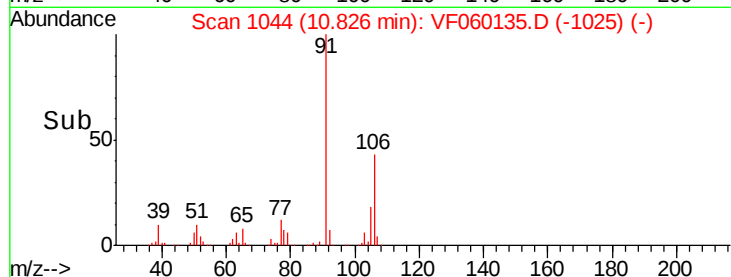
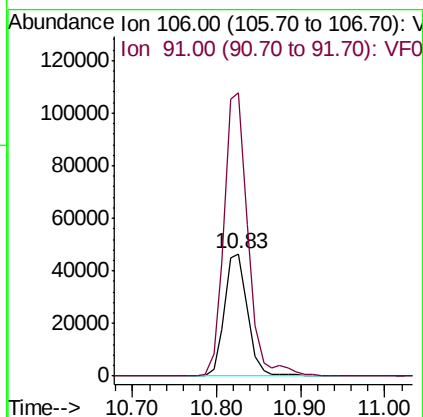
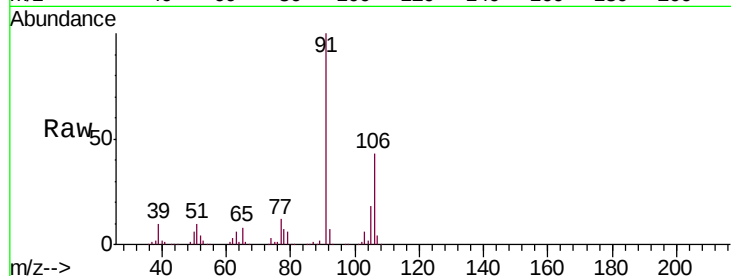




#69
o-Xylene
Concen: 51.968 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

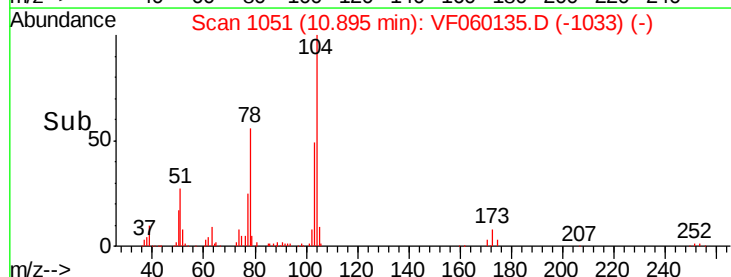
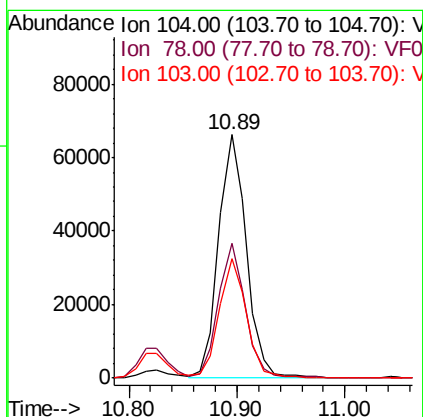
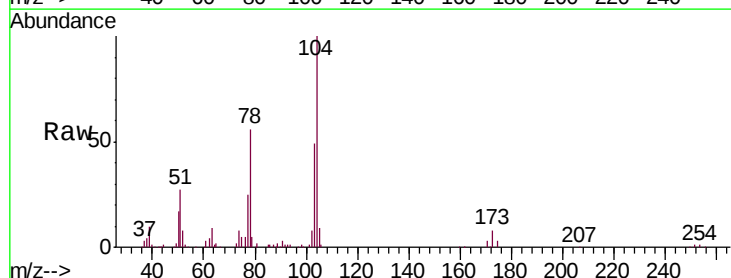
Instrument :
MSVOA_F
ClientSampled :

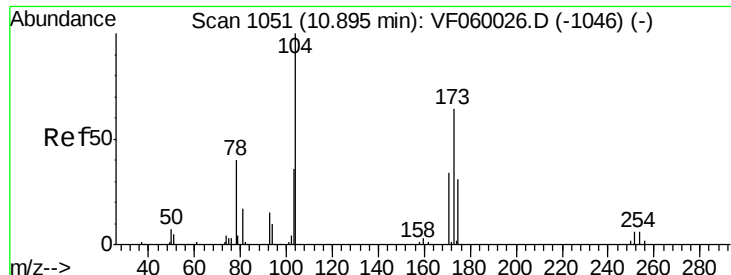
Tgt Ion:106 Resp: 89053
Ion Ratio Lower Upper
106 100
91 230.9 112.5 337.5



#70
Styrene
Concen: 44.736 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion:104 Resp: 117614
Ion Ratio Lower Upper
104 100
78 55.5 38.0 57.0
103 49.2 37.6 56.4





#71

Bromoform

Concen: 31.342 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

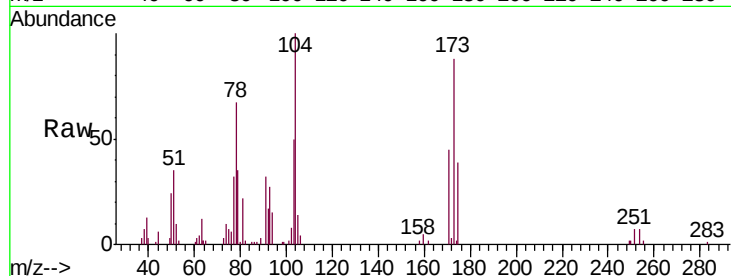
Tgt Ion:173 Resp: 21024

Ion Ratio Lower Upper

173 100

175 44.4 24.7 74.1

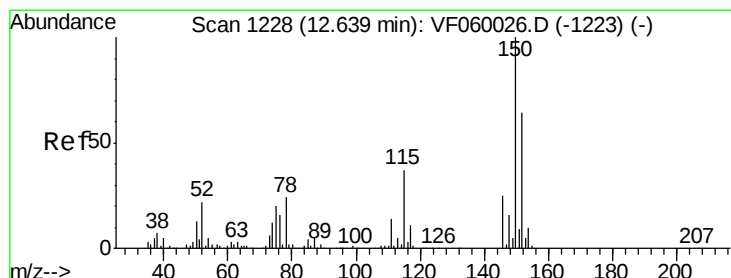
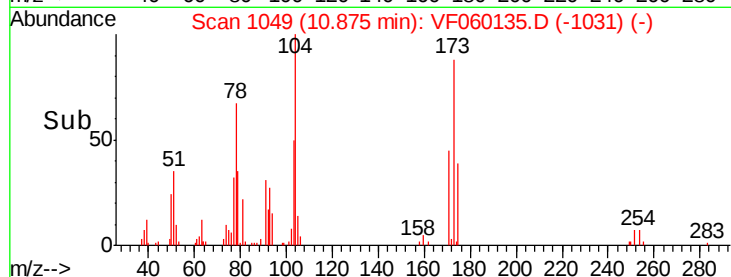
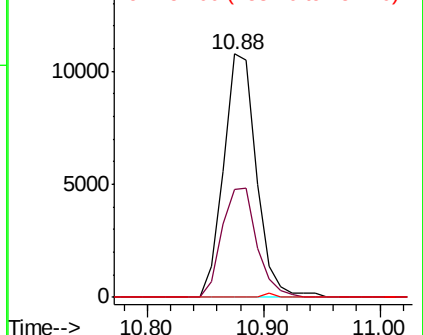
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

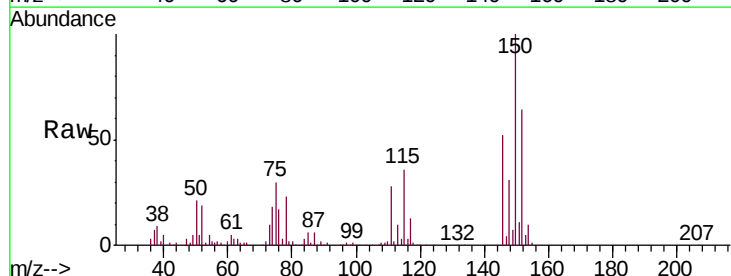
Tgt Ion:152 Resp: 72191

Ion Ratio Lower Upper

152 100

115 56.5 28.6 85.9

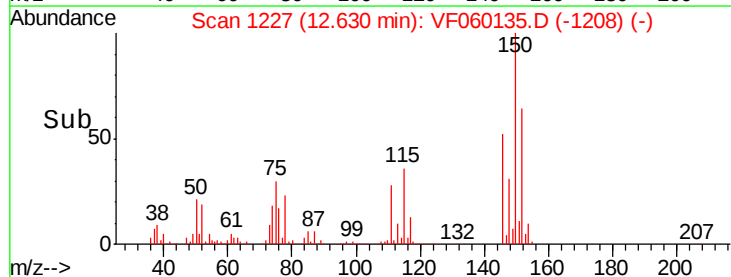
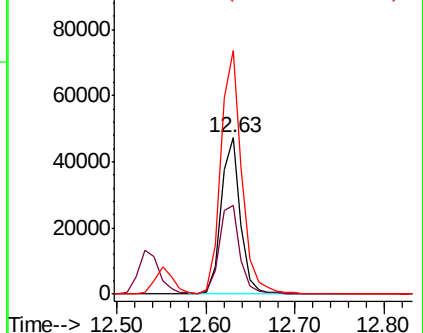
150 156.0 0.0 312.0

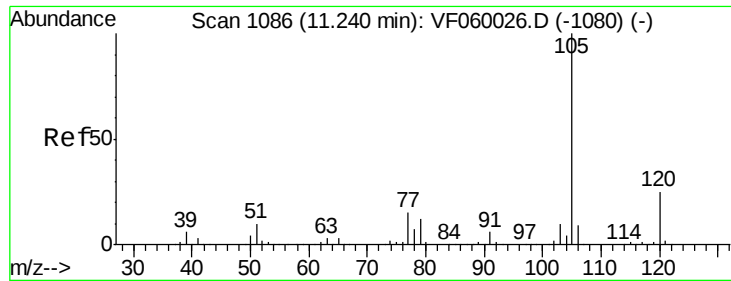


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 74.415 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

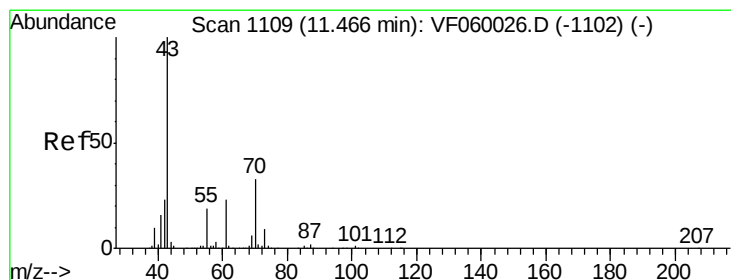
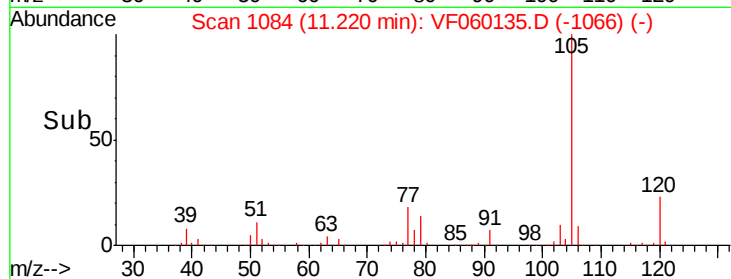
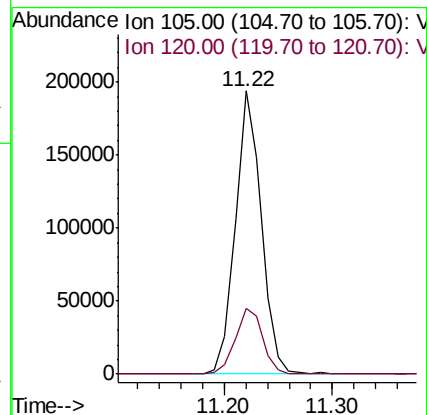
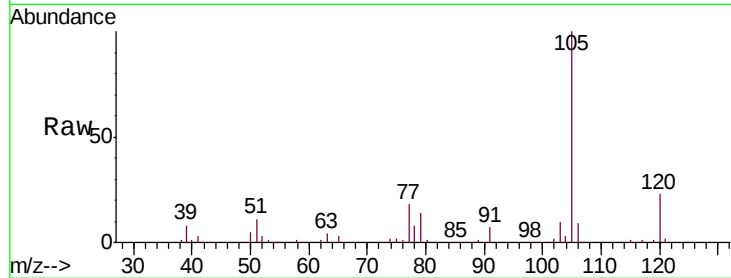
ClientSampled :

Tgt Ion: 105 Resp: 323369

Ion Ratio Lower Upper

105 100

120 23.3 12.7 38.0



#74

N-ethyl acetate

Concen: 15.254 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Tgt Ion: 43 Resp: 20603

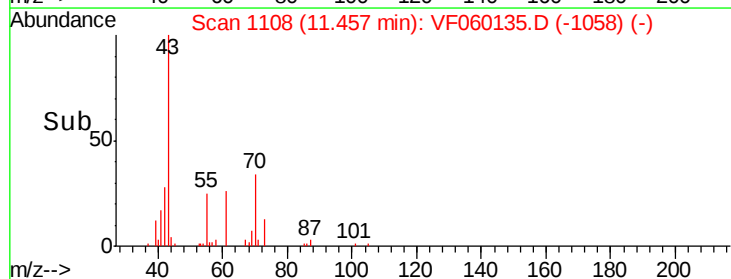
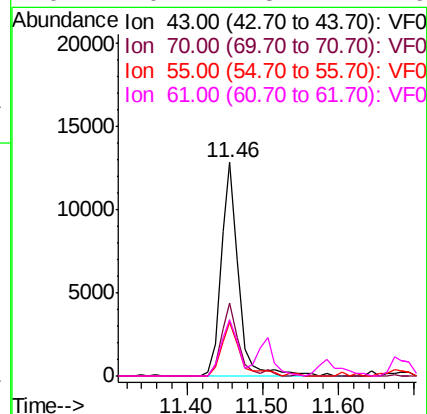
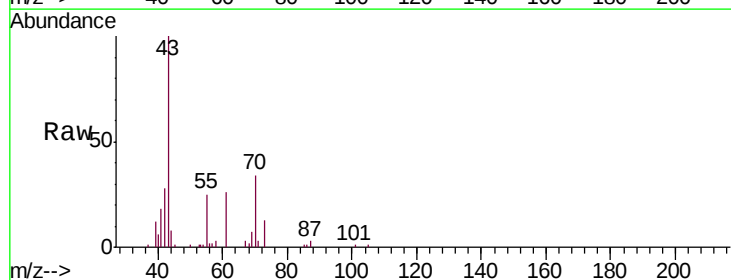
Ion Ratio Lower Upper

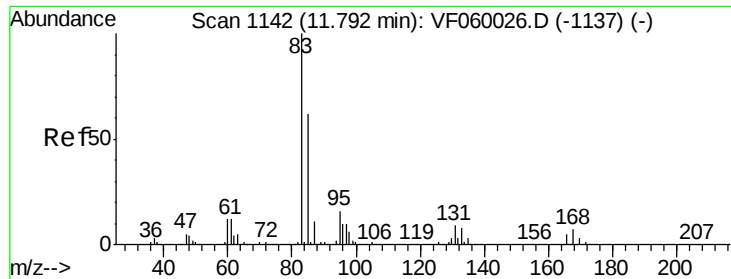
43 100

70 34.4 26.4 39.6

55 25.0 15.0 22.4

61 26.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 31.052 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

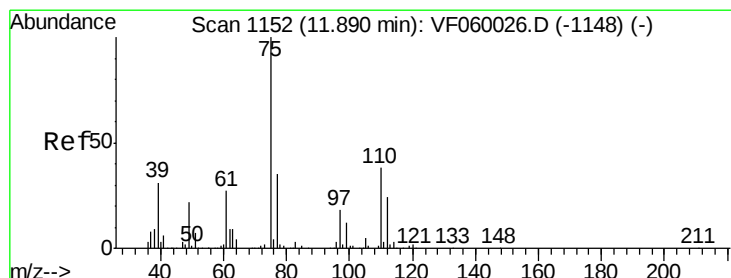
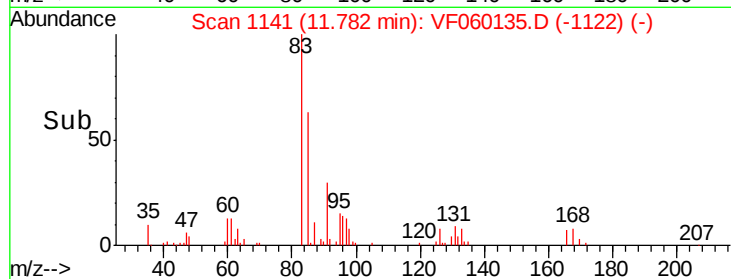
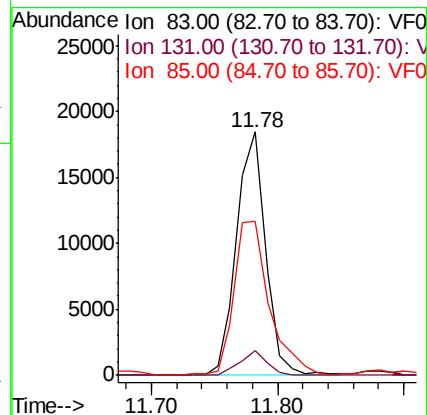
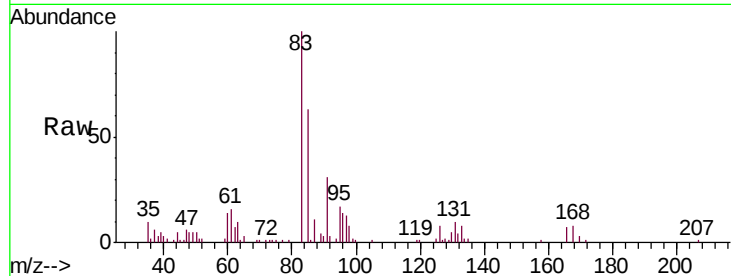
Tgt Ion: 83 Resp: 29469

Ion Ratio Lower Upper

83 100

131 10.1 4.5 13.7

85 63.4 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 33.776 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060135.D

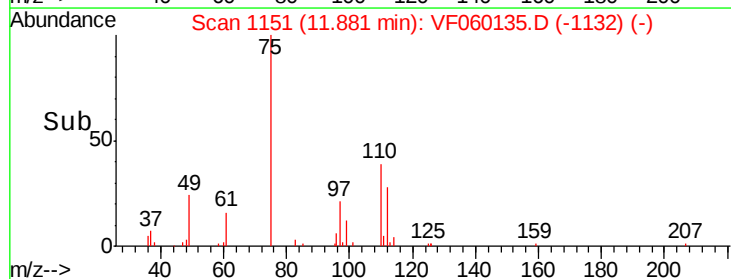
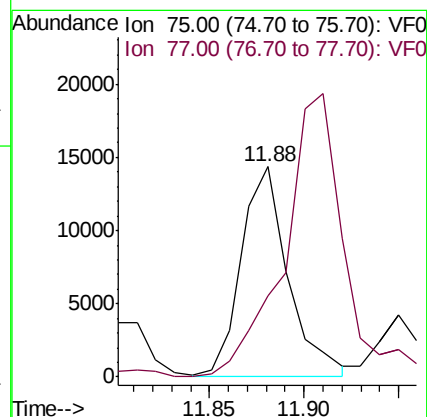
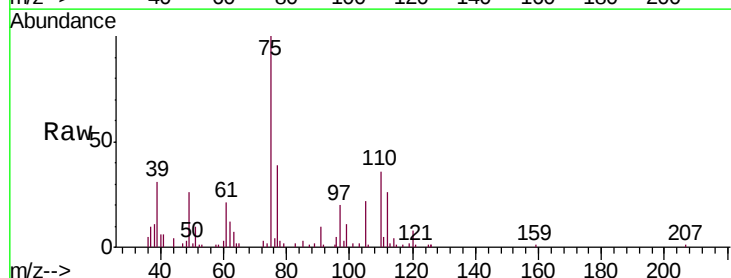
Acq: 27 Aug 2018 19:57

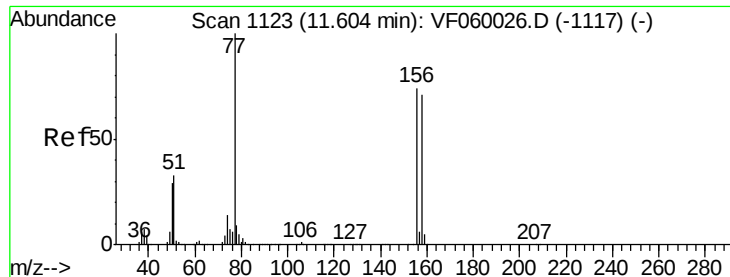
Tgt Ion: 75 Resp: 24858

Ion Ratio Lower Upper

75 100

77 38.7 17.3 52.0





#77

Bromobenzene

Concen: 49.023 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

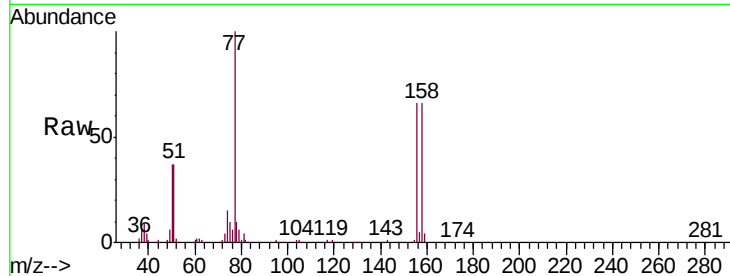
Tgt Ion:156 Resp: 57934

Ion Ratio Lower Upper

156 100

77 151.5 68.0 204.0

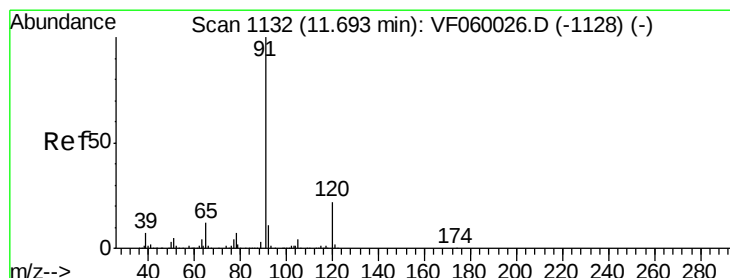
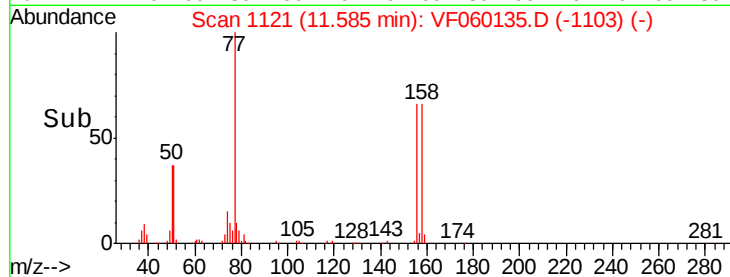
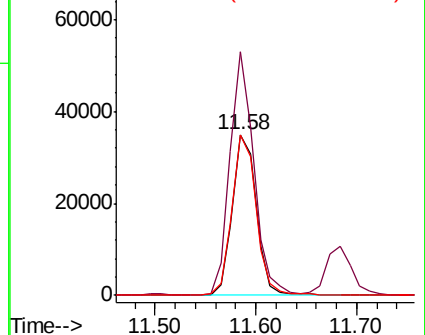
158 99.7 48.4 145.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 72.304 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060135.D

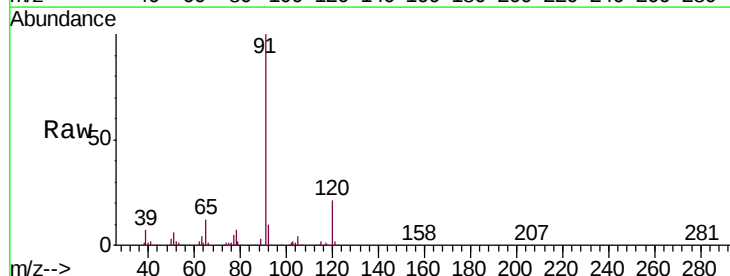
Acq: 27 Aug 2018 19:57

Tgt Ion: 91 Resp: 387788

Ion Ratio Lower Upper

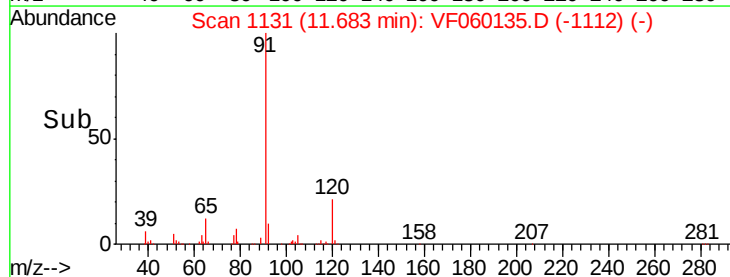
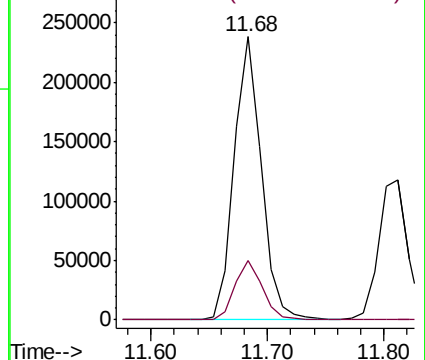
91 100

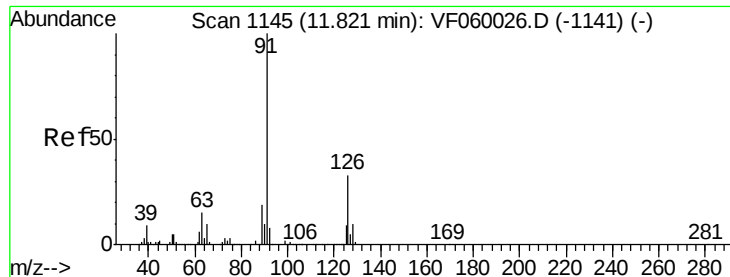
120 20.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 62.950 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

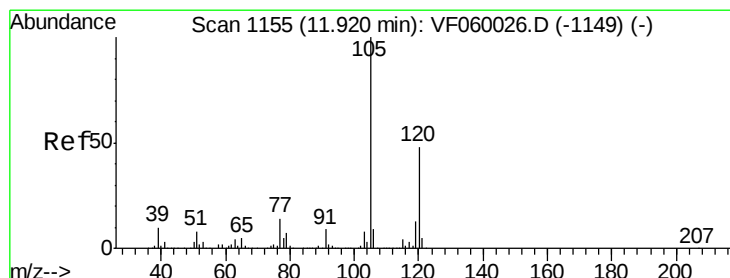
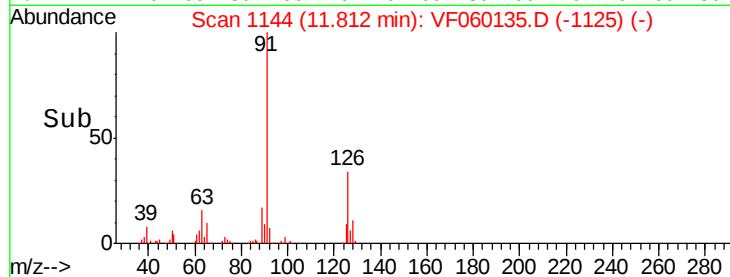
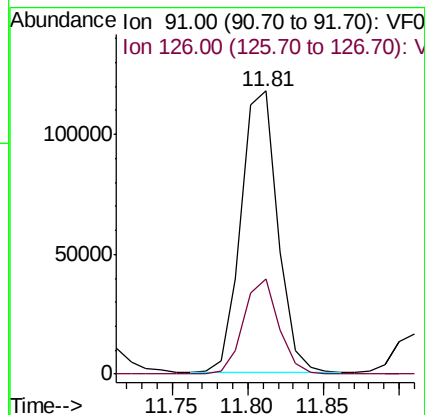
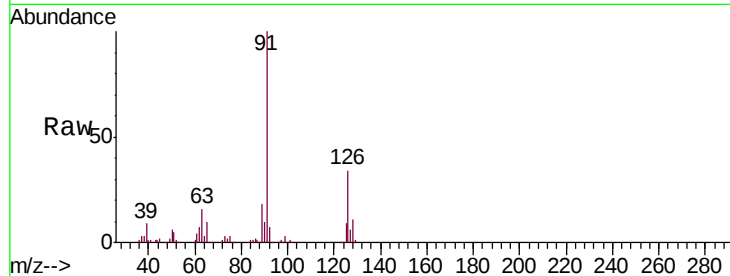
ClientSampleId :

Tgt Ion: 91 Resp: 198528

Ion Ratio Lower Upper

91 100

126 33.5 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 67.219 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060135.D

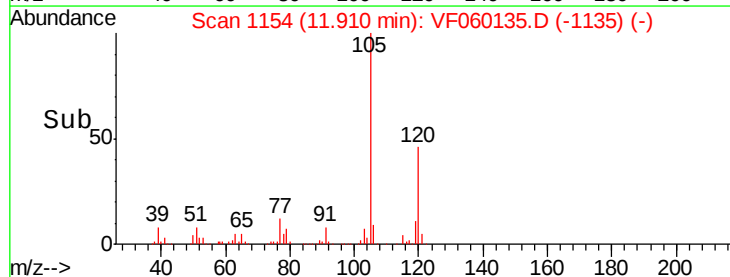
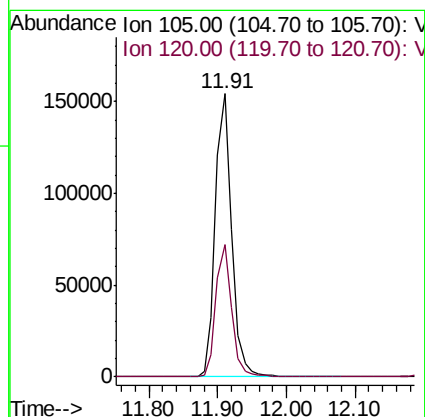
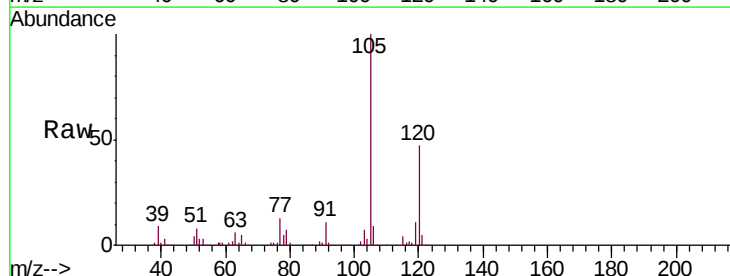
Acq: 27 Aug 2018 19:57

Tgt Ion: 105 Resp: 254480

Ion Ratio Lower Upper

105 100

120 46.6 23.8 71.5

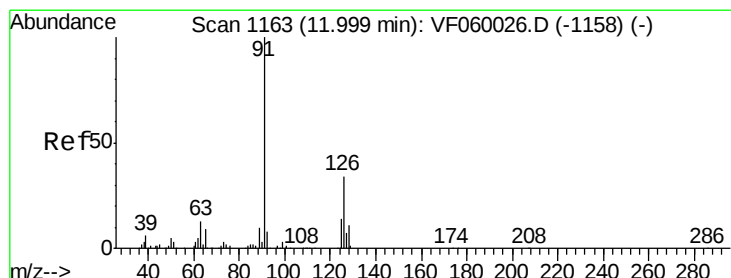
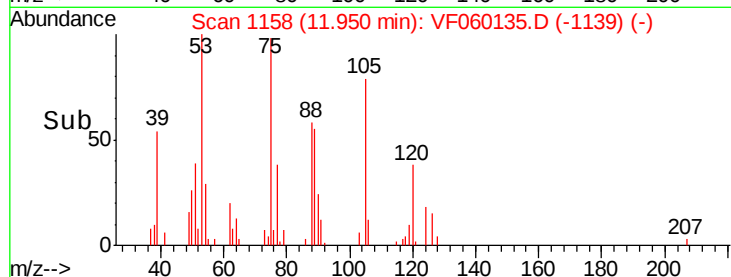
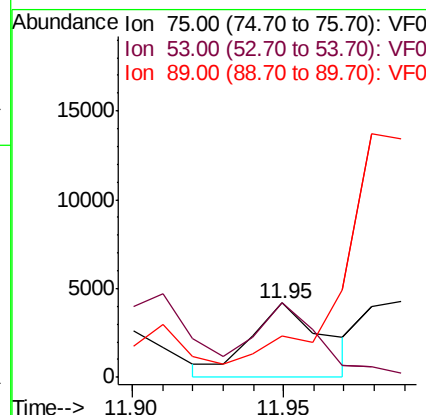
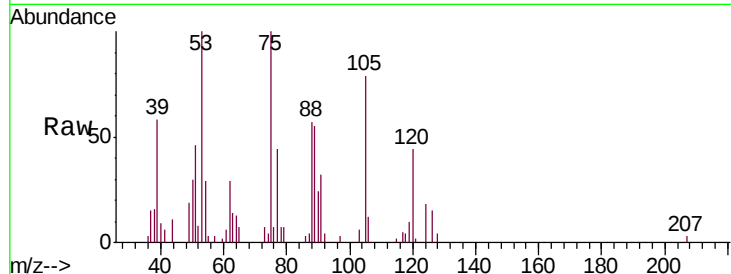




#81
trans-1,4-Dichloro-2-butene
Concen: 20.806 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

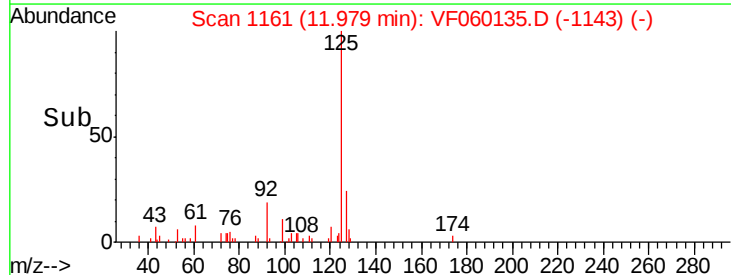
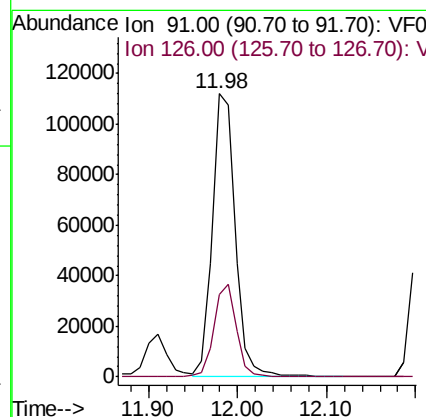
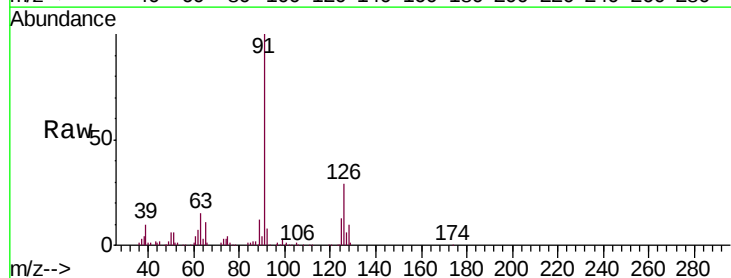
Instrument :
MSVOA_F
ClientSampleId :

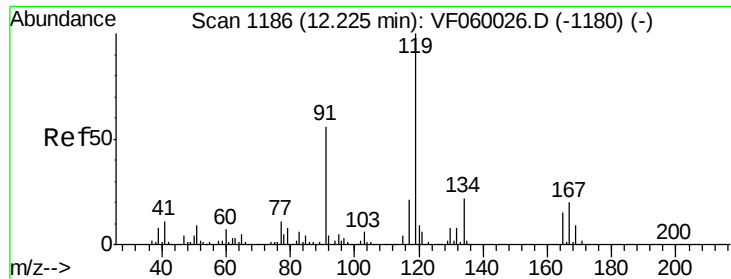
Tgt Ion: 75 Resp: 7006
Ion Ratio Lower Upper
75 100
53 99.8 66.2 99.4#
89 55.0 42.8 64.2



#82
4-Chlorotoluene
Concen: 58.011 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion: 91 Resp: 198631
Ion Ratio Lower Upper
91 100
126 29.3 17.0 50.9

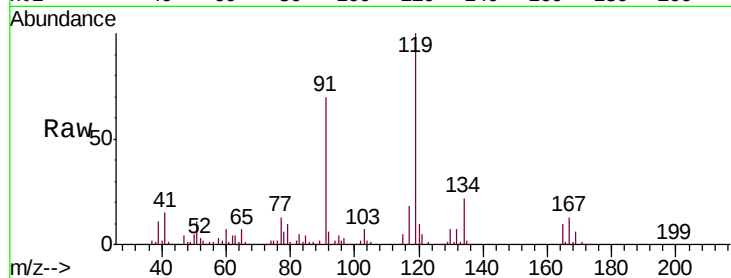




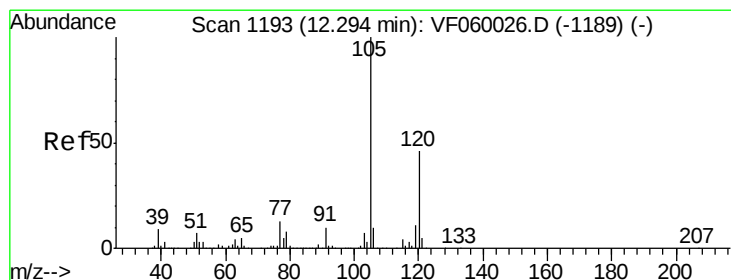
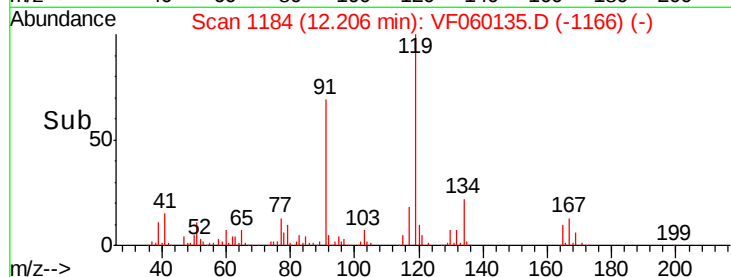
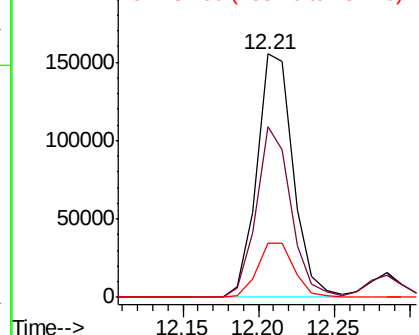
#83
tert-Butylbenzene
Concen: 70.714 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:119 Resp: 261111
Ion Ratio Lower Upper
119 100
91 69.9 28.1 84.3
134 22.4 11.1 33.3

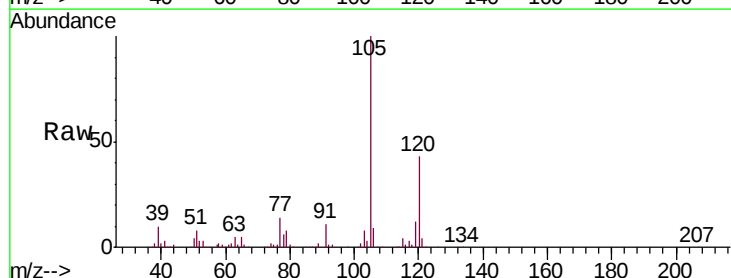


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

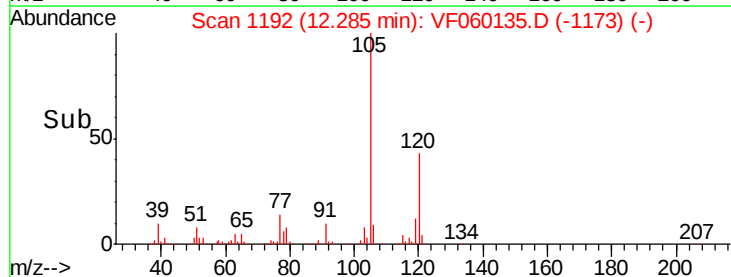
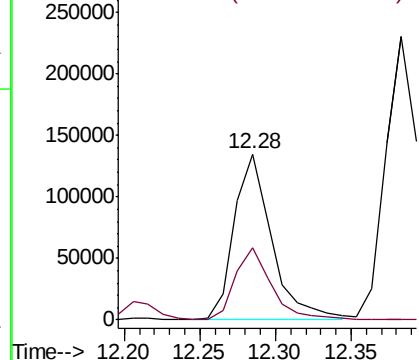


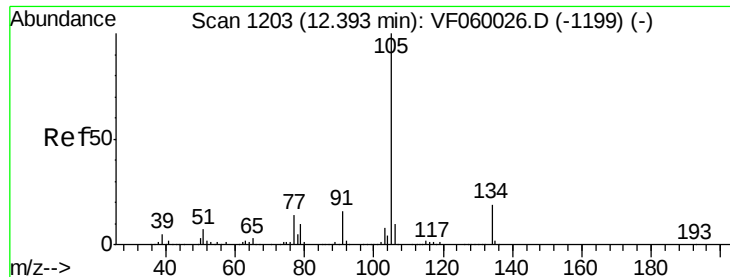
#84
1,2,4-Trimethylbenzene
Concen: 57.693 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion:105 Resp: 232202
Ion Ratio Lower Upper
105 100
120 43.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

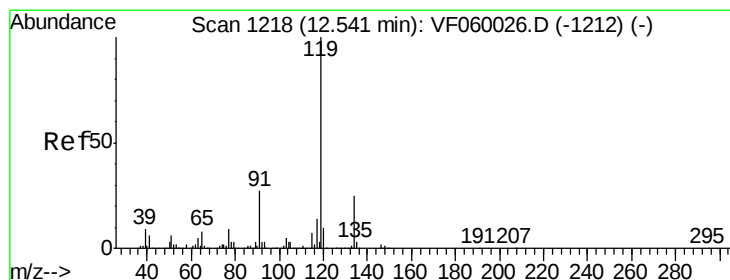
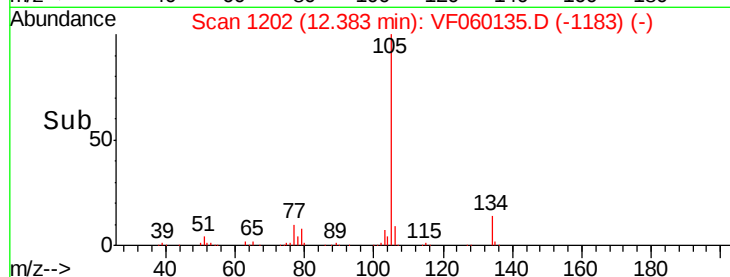
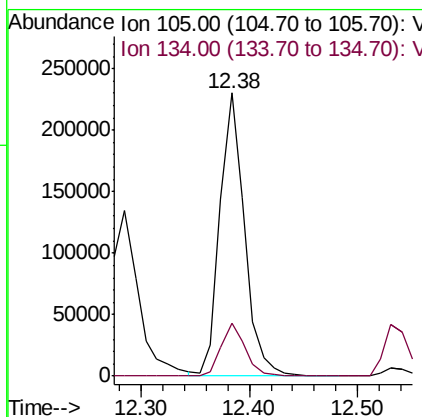
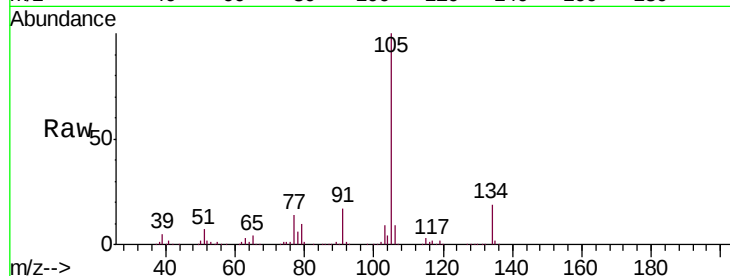




#85
 sec-Butylbenzene
 Concen: 71.101 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

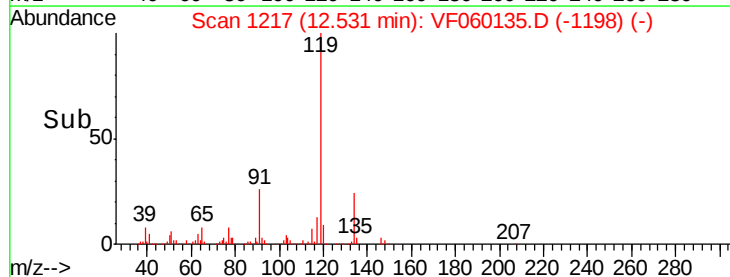
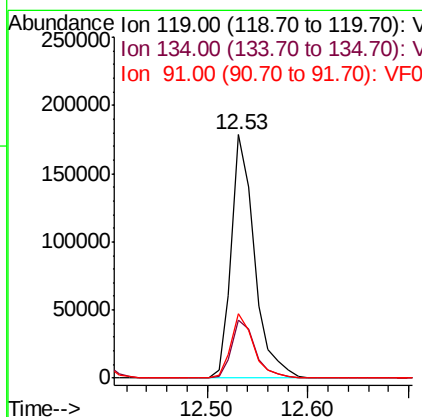
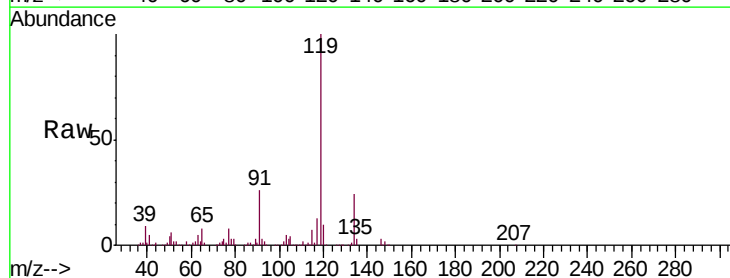
Instrument :
 MSVOA_F
 ClientSampled :

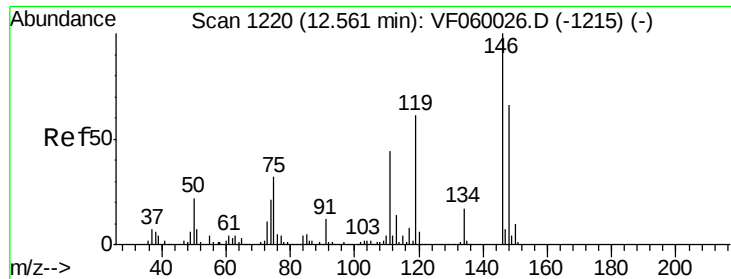
Tgt Ion:105 Resp: 365493
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 66.768 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion:119 Resp: 284746
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.4 37.2
 91 26.2 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 52.594 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampled :

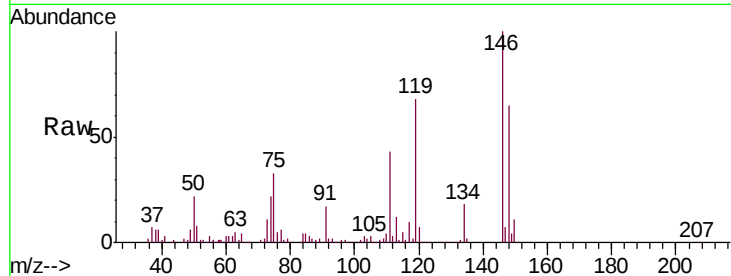
Tgt Ion:146 Resp: 114921

Ion Ratio Lower Upper

146 100

111 42.7 21.9 65.5

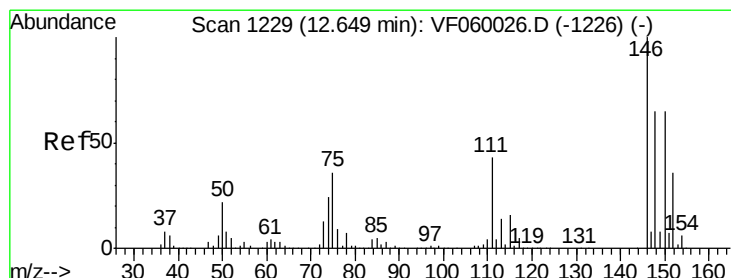
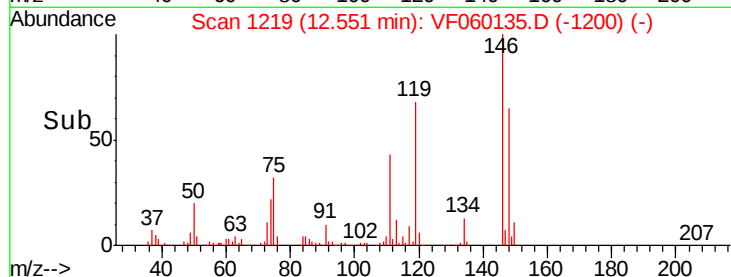
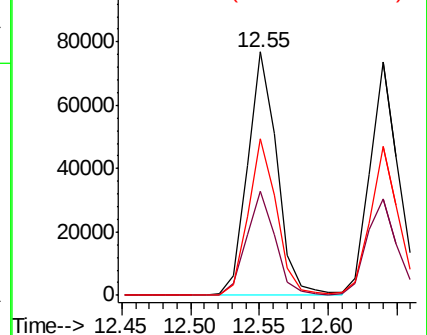
148 64.5 32.9 98.7



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: 49.233 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

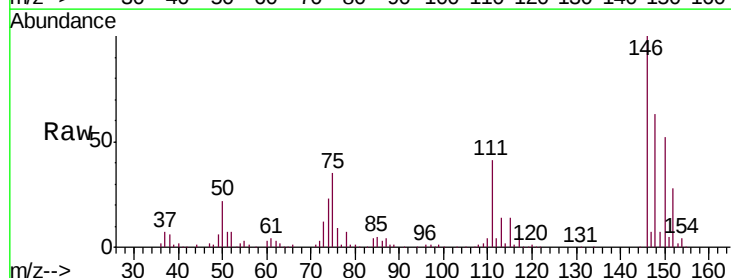
Tgt Ion:146 Resp: 106911

Ion Ratio Lower Upper

146 100

111 41.2 21.6 64.8

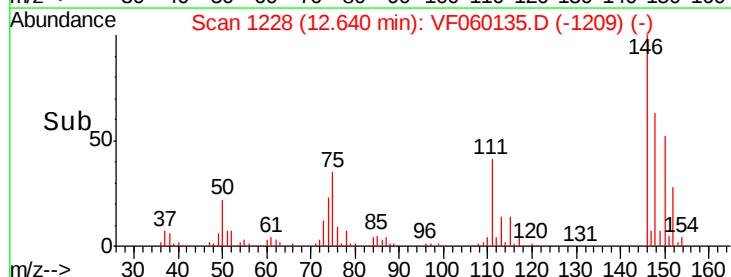
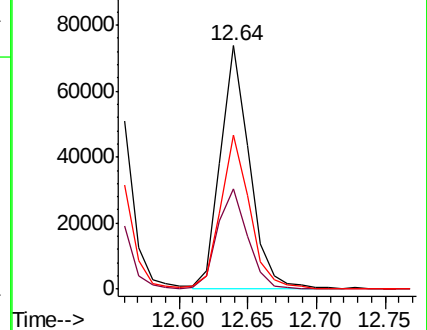
148 63.5 32.3 96.8

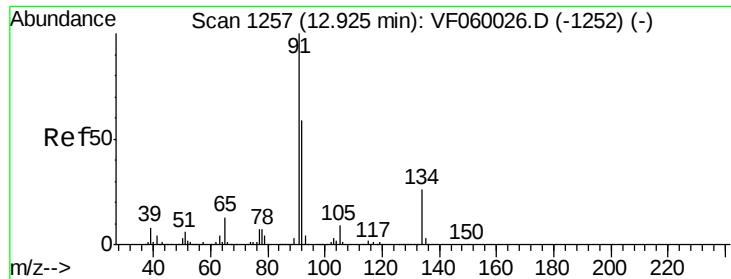


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 59.912 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060135.D

Acq: 27 Aug 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

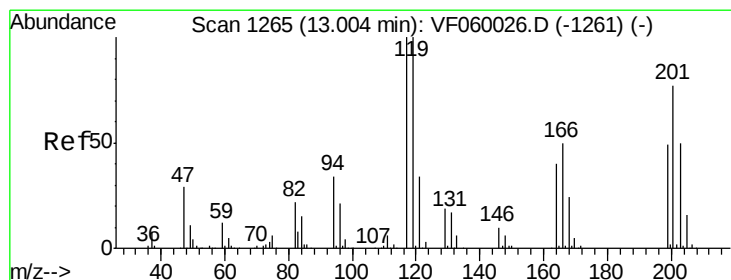
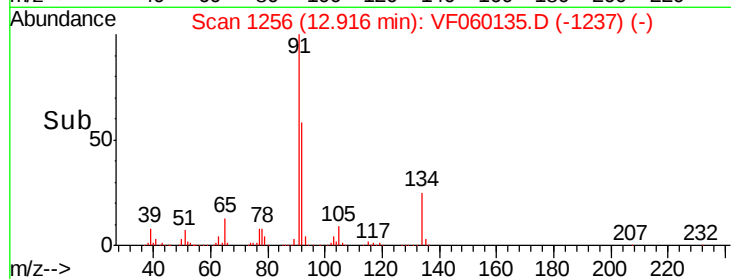
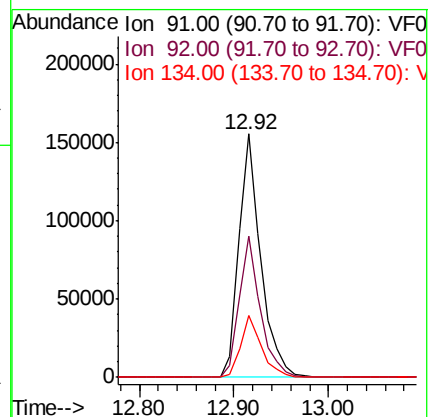
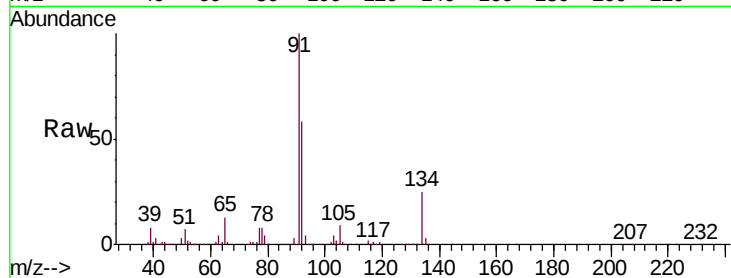
Tgt Ion: 91 Resp: 248236

Ion Ratio Lower Upper

91 100

92 57.8 29.3 87.9

134 25.4 12.8 38.3



#90

Hexachloroethane

Concen: 71.078 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VF060135.D

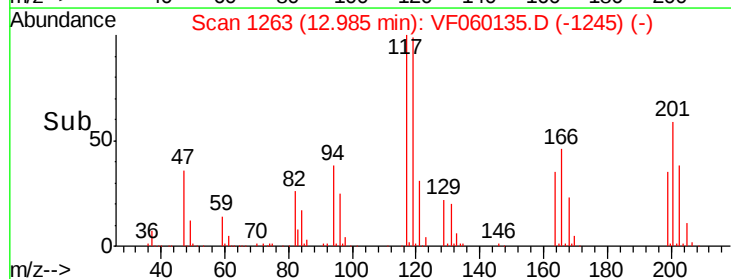
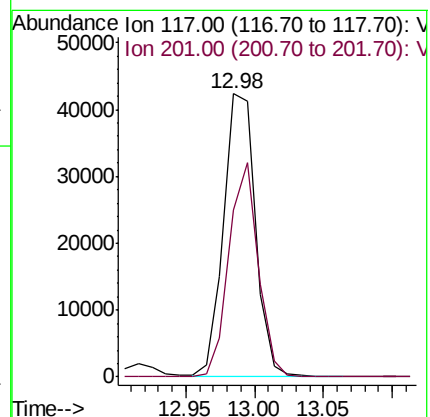
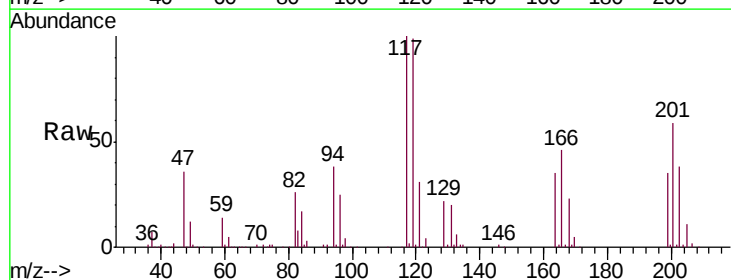
Acq: 27 Aug 2018 19:57

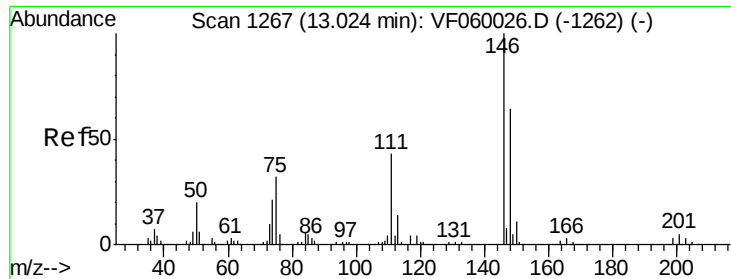
Tgt Ion: 117 Resp: 68117

Ion Ratio Lower Upper

117 100

201 59.0 38.6 115.8

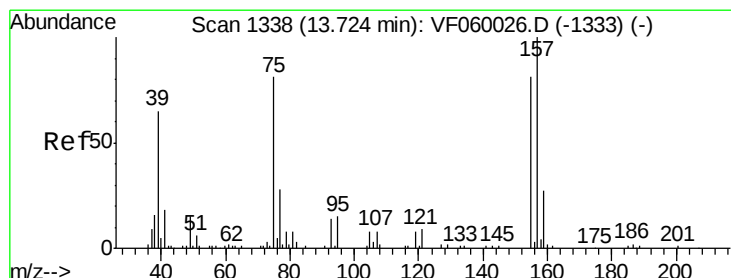
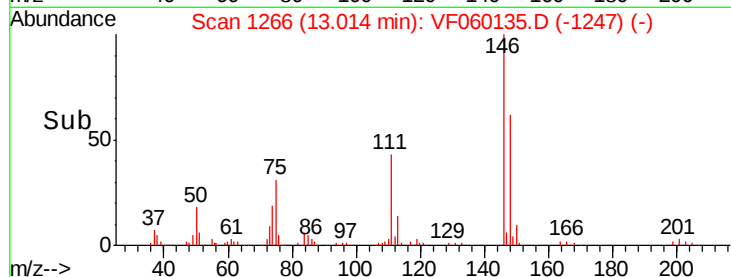
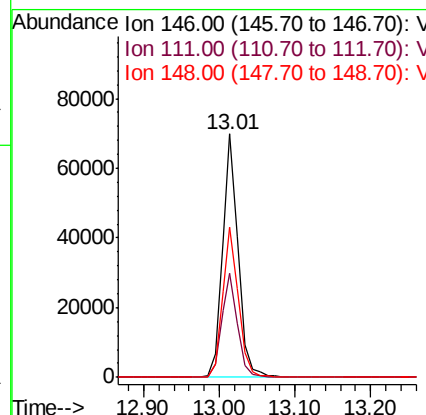
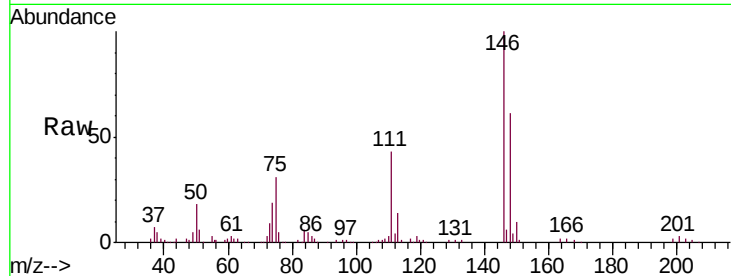




#91
 1,2-Dichlorobenzene
 Concen: 48.426 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

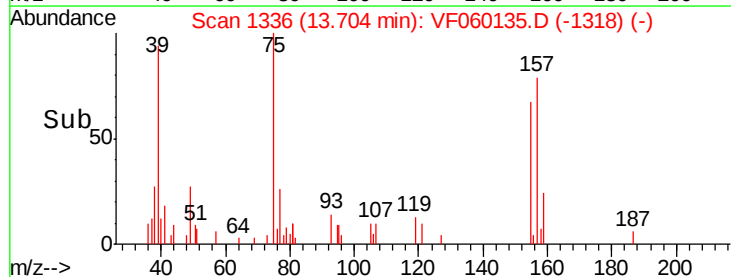
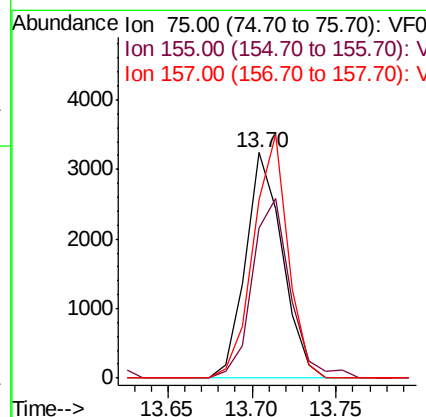
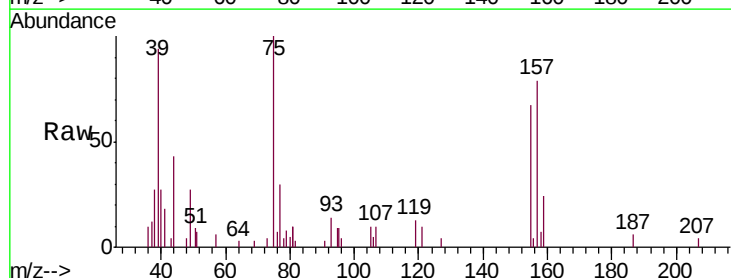
Instrument :
 MSVOA_F
 ClientSampleId :

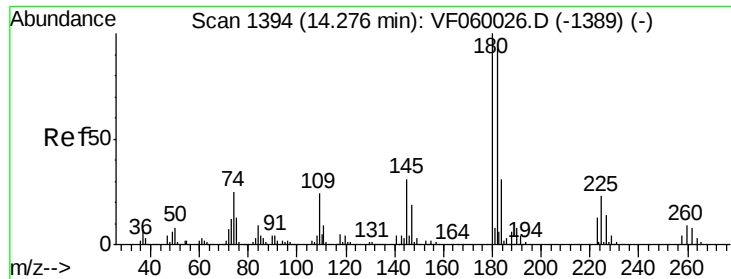
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.6	64.6
148	61.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.354 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.6	49.8	149.3
157	78.9	61.6	184.7

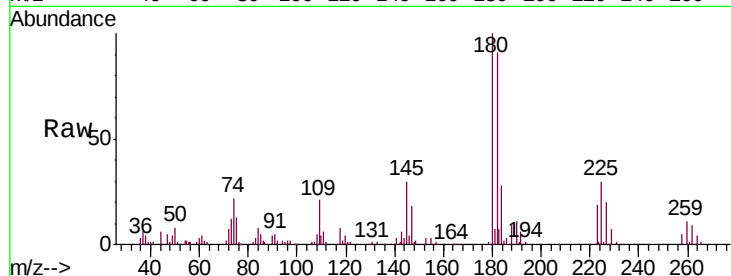




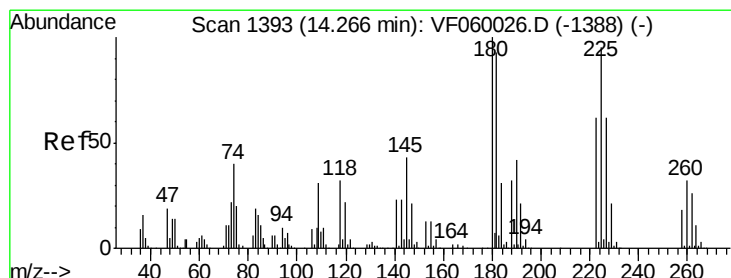
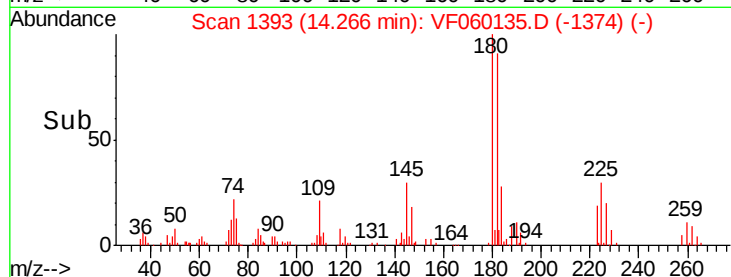
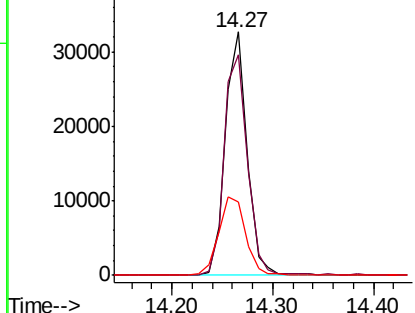
#93
 1,2,4-Trichlorobenzene
 Concen: 31.772 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Instrument :
 MSVOA_F
 ClientSampleId :

Tgt Ion:180 Resp: 49166
 Ion Ratio Lower Upper
 180 100
 182 90.7 46.8 140.3
 145 30.4 15.4 46.4

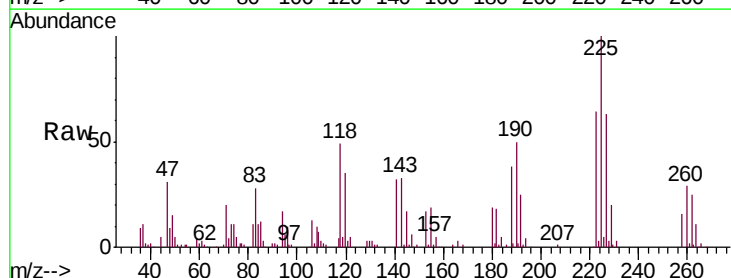


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

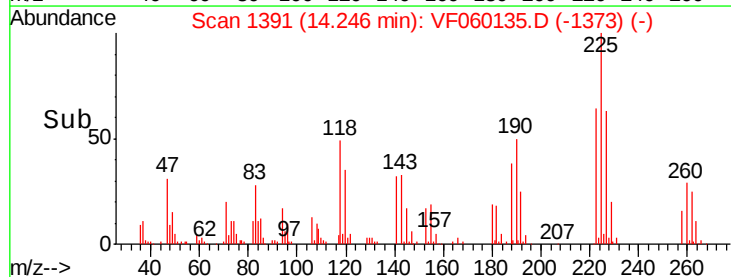
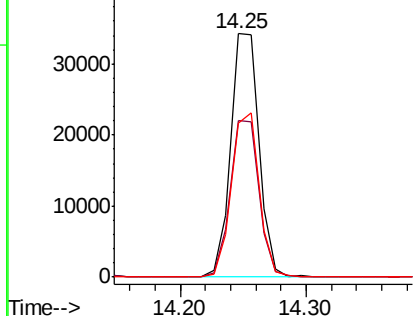


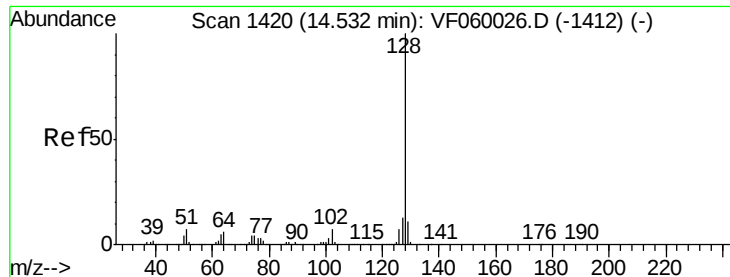
#94
 Hexachlorobutadiene
 Concen: 54.806 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: VF060135.D
 Acq: 27 Aug 2018 19:57

Tgt Ion:225 Resp: 52787
 Ion Ratio Lower Upper
 225 100
 223 64.4 32.6 97.8
 227 63.4 33.0 98.9



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

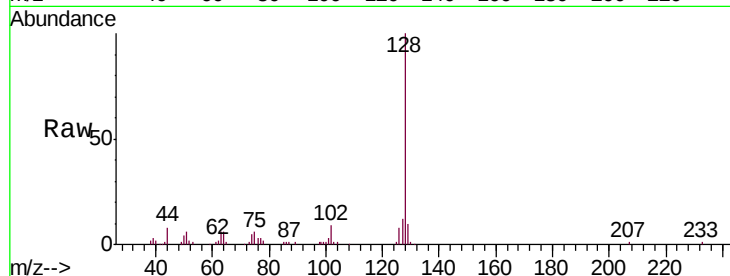




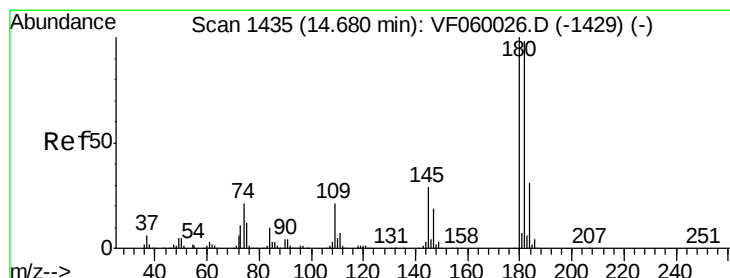
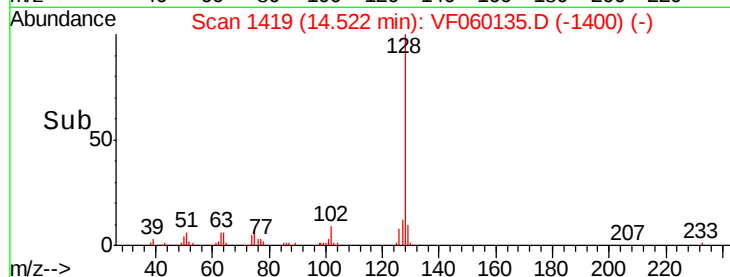
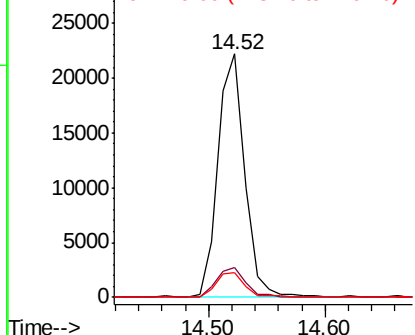
#95
Naphthalene
Concen: 14.866 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :

Tgt Ion:128 Resp: 35395
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 10.3 8.5 12.7

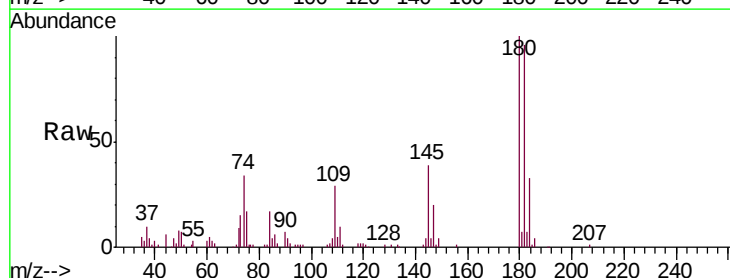


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 26.319 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. -0.02 min
Lab File: VF060135.D
Acq: 27 Aug 2018 19:57

Tgt Ion:180 Resp: 38858
Ion Ratio Lower Upper
180 100
182 95.9 49.0 147.2
145 39.0 14.4 43.2



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

