

Data File : VF060029.D
Acq On : 21 Aug 2018 19:46
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Quant Time: Aug 22 04:02:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 03:57:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	206702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	333632	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	320636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	194637	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	401351	105.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.52%	
35) Dibromofluoromethane	4.30	113	355093	108.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.54%	
50) Toluene-d8	7.72	98	977059	130.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	260.32%	
62) 4-Bromofluorobenzene	11.52	95	499460	111.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.42%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	0.96	85	354371	104.828	ug/l	95
3) Chloromethane	1.07	50	248492	132.092	ug/l	99
4) Vinyl Chloride	1.12	62	228326	111.282	ug/l	96
5) Bromomethane	1.32	94	167938	85.528	ug/l	97
6) Chloroethane	1.39	64	86408	84.283	ug/l	97
7) Trichlorofluoromethane	1.48	101	377340	66.925	ug/l	98
8) Diethyl Ether	1.71	74	91078	106.985	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	242586	90.796	ug/l	99
10) Methyl Iodide	1.93	142	344556	101.885	ug/l	98
11) Tert butyl alcohol	2.70	59	109554	494.545	ug/l #	87
12) 1,1-Dichloroethene	1.83	96	179043	95.988	ug/l	93
13) Acrolein	2.10	56	74043	618.104	ug/l	93
14) Allyl chloride	2.19	41	310938	98.520	ug/l	95
15) Acrylonitrile	3.08	53	211951	592.915	ug/l	97
16) Acetone	2.34	43	490014	413.346	ug/l	99
17) Carbon Disulfide	1.84	76	512778	86.891	ug/l	99
18) Methyl Acetate	2.46	43	176368	77.927	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	621013	102.289	ug/l	100
20) Methylene Chloride	2.28	84	201323	76.347	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	197565	98.820	ug/l	95
22) Diisopropyl ether	2.93	45	755088	111.508	ug/l	97
23) Vinyl Acetate	3.34	43	2073597	732.538	ug/l	100
24) 1,1-Dichloroethane	3.01	63	450617	103.060	ug/l	99
25) 2-Butanone	4.52	43	660032	674.297	ug/l	98
26) 2,2-Dichloropropane	3.77	77	504151	127.700	ug/l	94
27) cis-1,2-Dichloroethene	3.64	96	294595	151.574	ug/l	98
28) Bromochloromethane	3.90	49	158861	117.768	ug/l	91
29) Tetrahydrofuran	4.26	42	241577	687.950	ug/l	98
30) Chloroform	4.05	83	642777	122.518	ug/l	93
31) Cyclohexane	3.87	56	308567	141.226	ug/l	95
32) 1,1,1-Trichloroethane	4.28	97	537160	107.211	ug/l	99
36) 1,1-Dichloropropene	4.47	75	411771	110.083	ug/l	99
37) Ethyl Acetate	4.30	43	241512	118.043	ug/l #	70
38) Carbon Tetrachloride	4.18	117	506655	98.148	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	373874	130.862	ug/l	87
40) Benzene	4.82	78	889212	138.344	ug/l	99
41) Methacrylonitrile	4.94	41	125963	127.172	ug/l	97
42) 1,2-Dichloroethane	5.13	62	489305	94.874	ug/l	99
43) Isopropyl Acetate	7.12	43	340847	146.933	ug/l	99
44) Trichloroethene	5.68	130	292965	119.202	ug/l	92
45) 1,2-Dichloropropane	6.41	63	269654	145.348	ug/l	94
46) Dibromomethane	6.27	93	214658	120.839	ug/l	98
47) Bromodichloromethane	6.56	83	518075	110.711	ug/l	95
48) Methyl methacrylate	6.89	41	222032	131.372	ug/l	96
49) 1,4-Dioxane	6.89	88	43518	3279.733	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	1263253	589.505	ug/l	99
52) Toluene	7.79	92	612469	127.443	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	452297	113.606	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	512230	130.195	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	261428	136.079	ug/l	99
56) Ethyl methacrylate	8.77	69	326841	146.119	ug/l	99
57) 1,3-Dichloropropane	9.01	76	441194	128.541	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	108734	612.439	ug/l	100
59) 2-Hexanone	9.64	43	1035364	584.361	ug/l	99
60) Dibromochloromethane	8.88	129	410260	121.323	ug/l	98
61) 1,2-Dibromoethane	9.14	107	307574	130.257	ug/l	100
64) Tetrachloroethene	8.32	164	292830	120.525	ug/l	99
65) Chlorobenzene	9.95	112	812785	128.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	341269	120.820	ug/l	98
67) Ethyl Benzene	10.05	91	1406952	123.759	ug/l	99
68) m/p-Xylenes	10.29	106	944346	235.737	ug/l	92
69) o-Xylene	10.84	106	565266	137.885	ug/l	94
70) Styrene	10.91	104	831472	127.149	ug/l	96
71) Bromoform	10.90	173	249937	119.886	ug/l	99
73) Isopropylbenzene	11.23	105	1521068	129.856	ug/l	99
74) N-amyl acetate	11.47	43	538312	159.296	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.80	83	354986	150.755	ug/l	93
76) 1,2,3-Trichloropropane	11.89	75	263831	130.131	ug/l	100
77) Bromobenzene	11.61	156	418077	128.394	ug/l	95
78) n-propylbenzene	11.70	91	1777312	121.919	ug/l	96
79) 2-Chlorotoluene	11.83	91	1102303	126.076	ug/l	95
80) 1,3,5-Trimethylbenzene	11.92	105	1266409	120.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	177285	207.259	ug/l	98
82) 4-Chlorotoluene	12.00	91	1189680	124.350	ug/l	98
83) tert-Butylbenzene	12.22	119	1275825	124.109	ug/l	91
84) 1,2,4-Trimethylbenzene	12.30	105	1378546	124.740	ug/l	97
85) sec-Butylbenzene	12.40	105	1743180	127.058	ug/l	96
86) p-Isopropyltoluene	12.54	119	1452030	119.689	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	744207	119.714	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	786629	130.255	ug/l	98
89) n-Butylbenzene	12.93	91	1435065	122.415	ug/l	94
90) Hexachloroethane	13.01	117	363263	134.451	ug/l	95
91) 1,2-Dichlorobenzene	13.03	146	754067	127.347	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	82274	133.636	ug/l	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF082118\
Quantitation Report (Not Reviewed)

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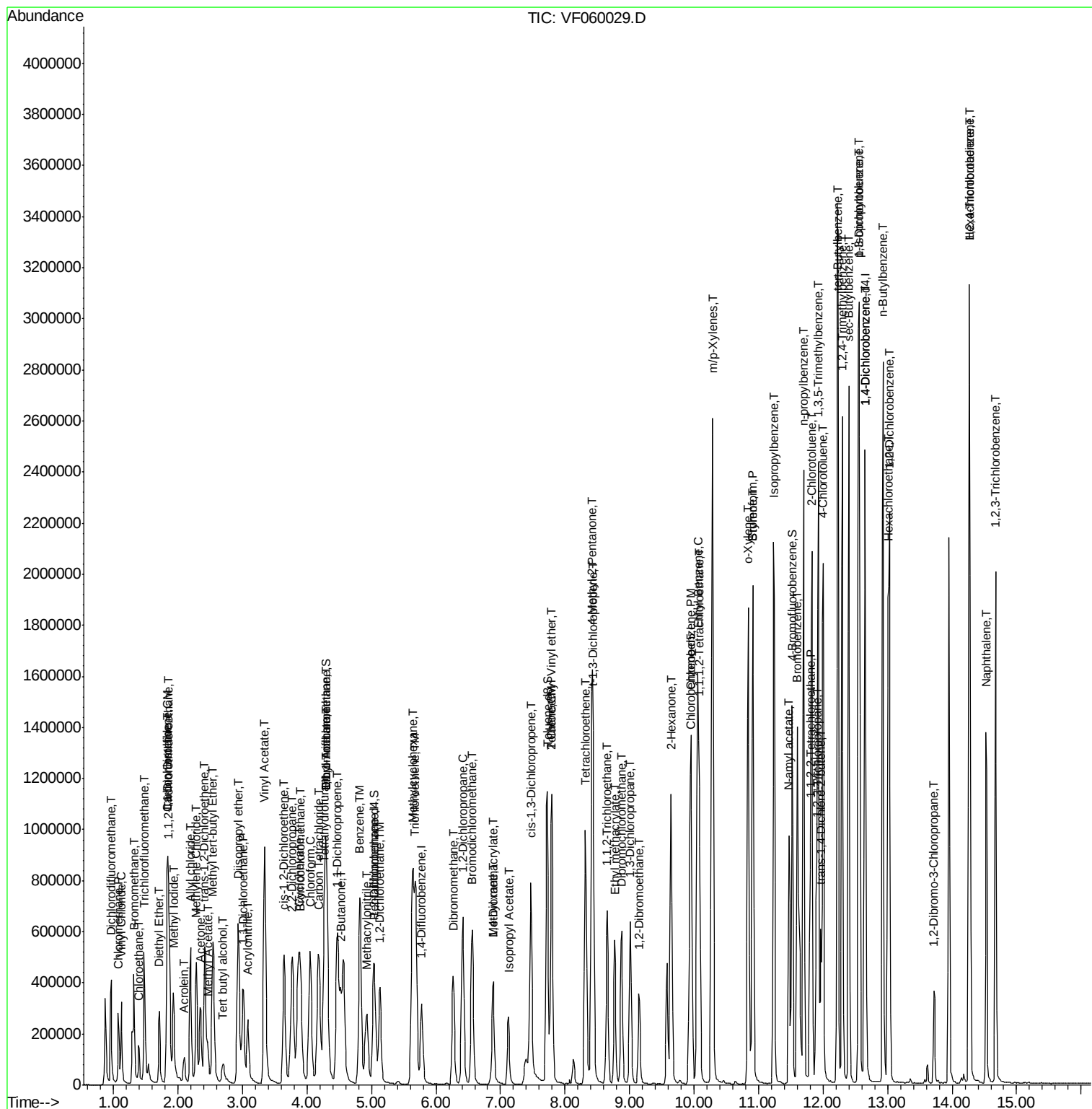
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	556462	116.147	ug/l	95
94) Hexachlorobutadiene	14.26	225	348098	110.562	ug/l	98
95) Naphthalene	14.53	128	1080809	157.046	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	566146	123.203	ug/l	98

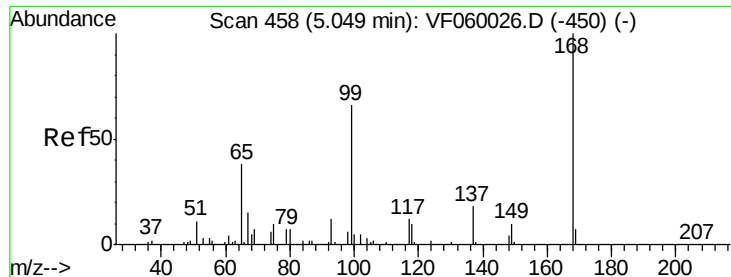
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Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Quant Time: Aug 22 04:02:29 2018
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 03:57:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

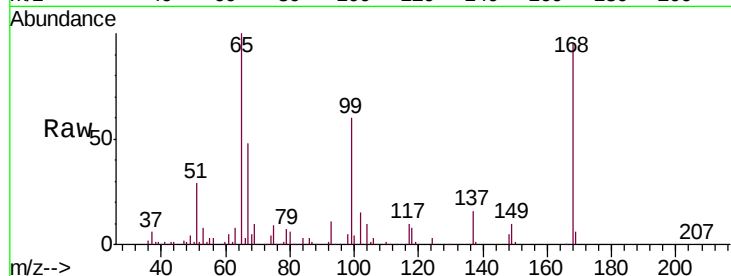
VSTDIC150

Tgt Ion:168 Resp: 206702

Ion Ratio Lower Upper

168 100

99 62.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

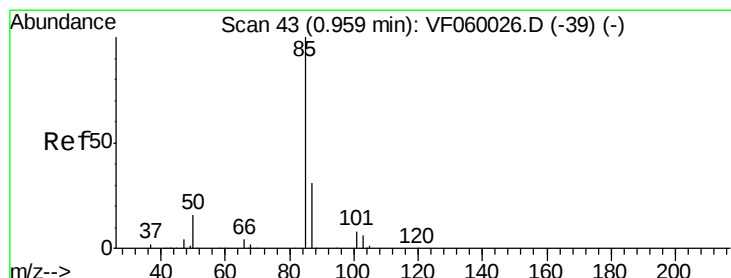
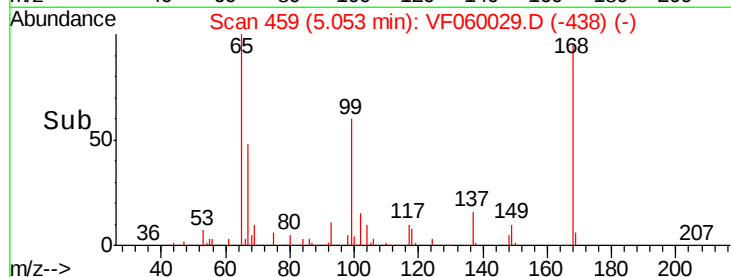
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 104.828 ug/l

RT: 0.96 min Scan# 44

Delta R.T. 0.00 min

Lab File: VF060029.D

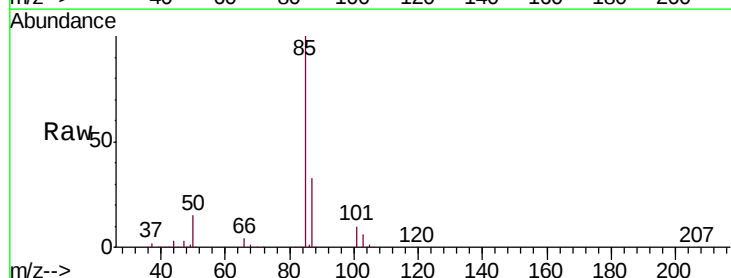
Acq: 21 Aug 2018 19:46

Tgt Ion: 85 Resp: 354371

Ion Ratio Lower Upper

85 100

87 33.2 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

250000

200000

150000

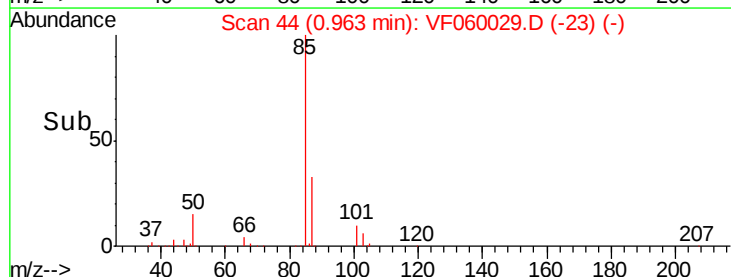
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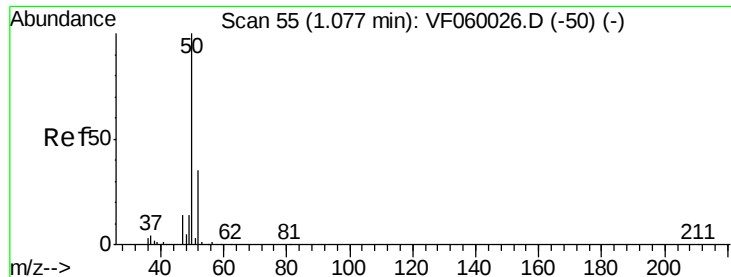
50000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 132.092 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

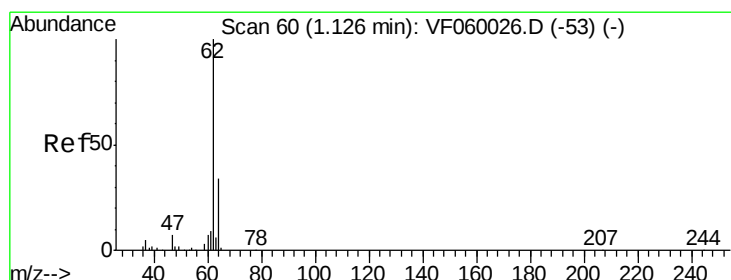
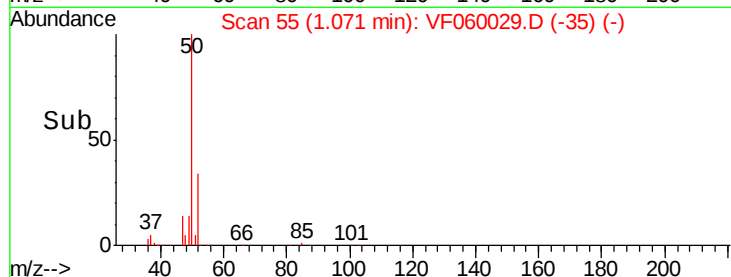
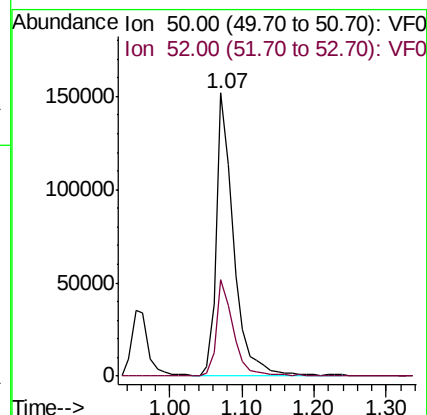
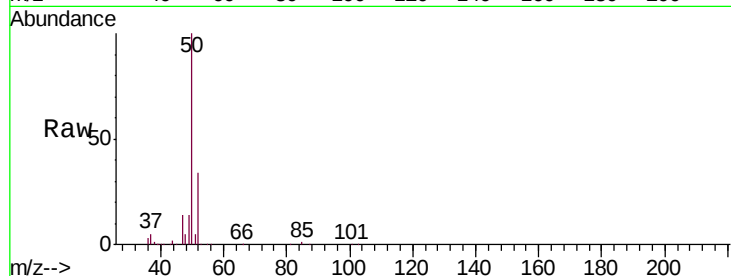
VSTDICC150

Tgt Ion: 50 Resp: 248492

Ion Ratio Lower Upper

50 100

52 33.9 27.6 41.4



#4

Vinyl Chloride

Concen: 111.282 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060029.D

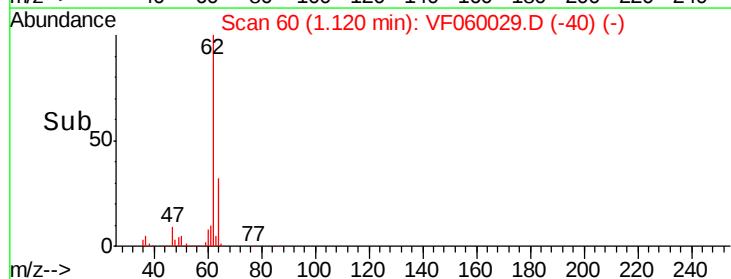
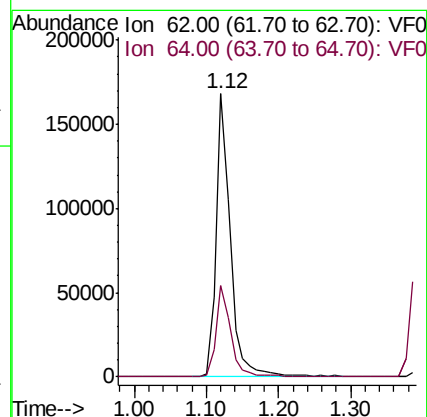
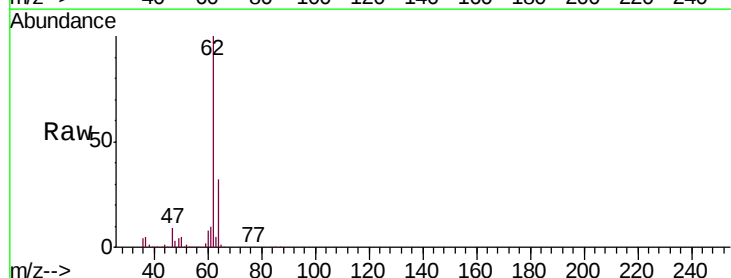
Acq: 21 Aug 2018 19:46

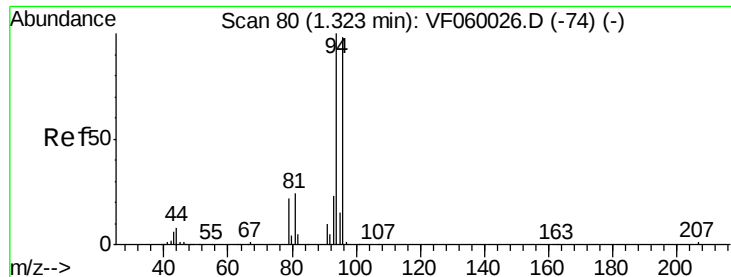
Tgt Ion: 62 Resp: 228326

Ion Ratio Lower Upper

62 100

64 32.1 27.4 41.2





#5

Bromomethane

Concen: 85.528 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

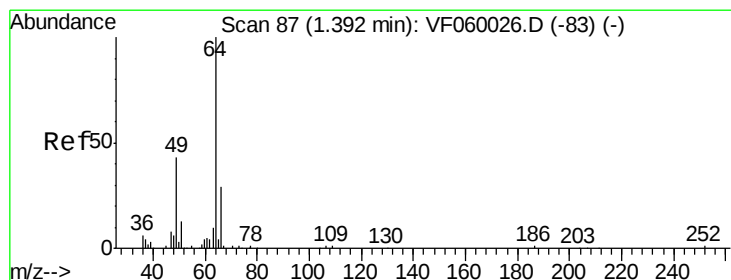
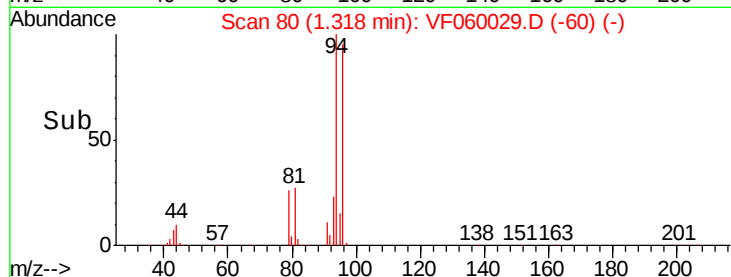
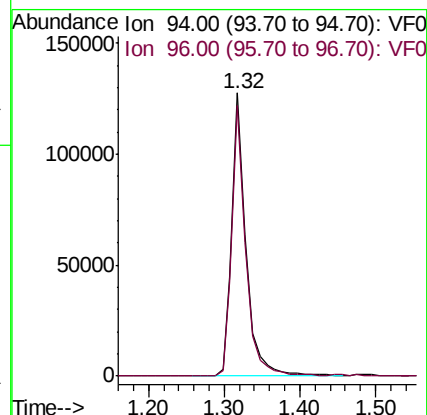
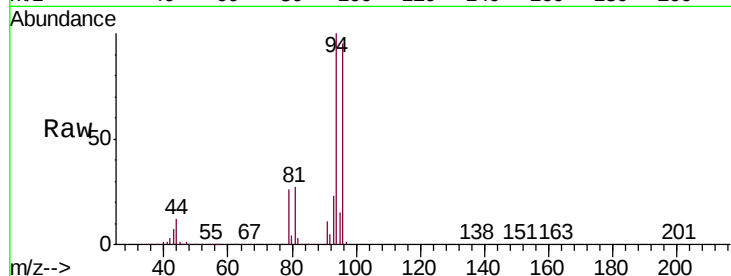
VSTDIC150

Tgt Ion: 94 Resp: 167938

Ion Ratio Lower Upper

94 100

96 95.4 78.6 118.0



#6

Chloroethane

Concen: 84.283 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060029.D

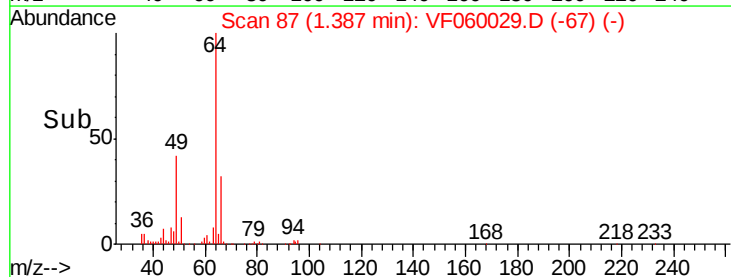
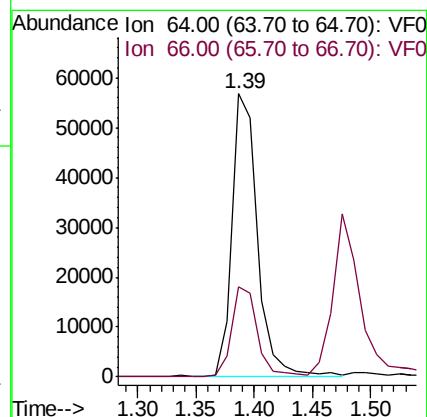
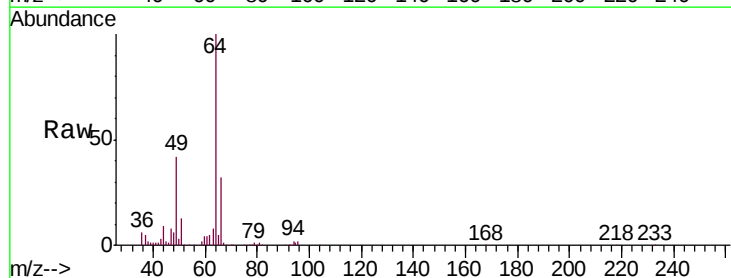
Acq: 21 Aug 2018 19:46

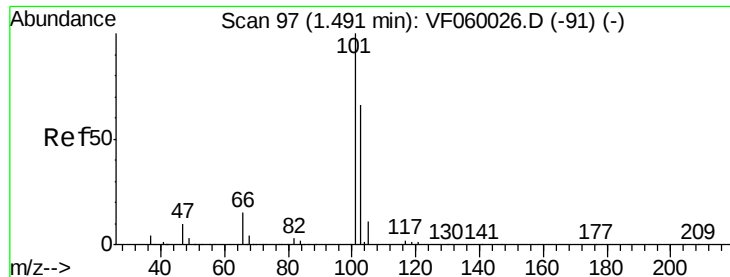
Tgt Ion: 64 Resp: 86408

Ion Ratio Lower Upper

64 100

66 31.8 24.1 36.1



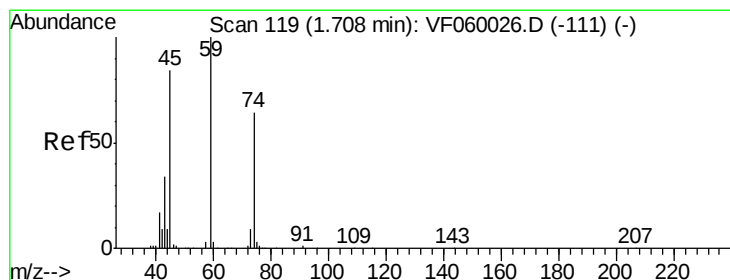
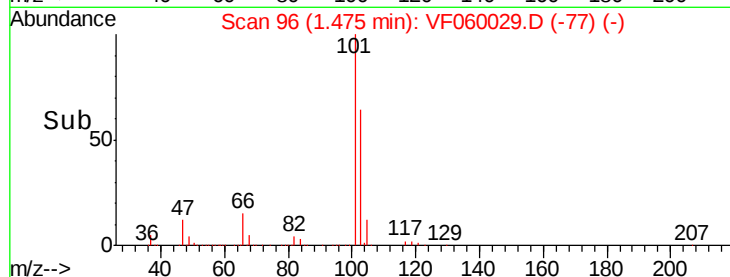
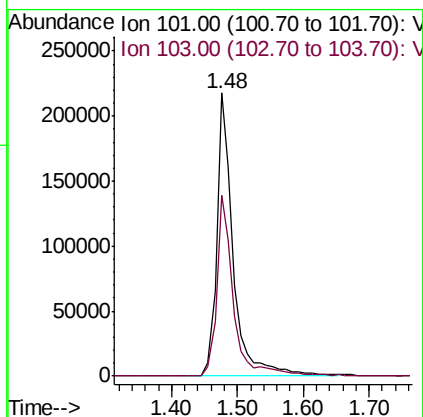
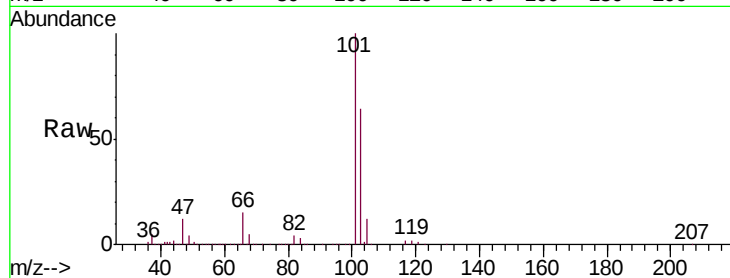


#7

Trichlorofluoromethane
 Concen: 66.925 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.02 min
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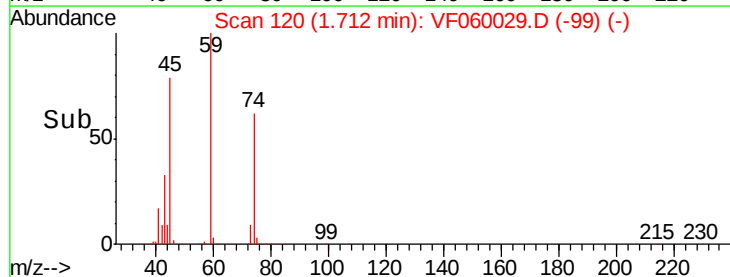
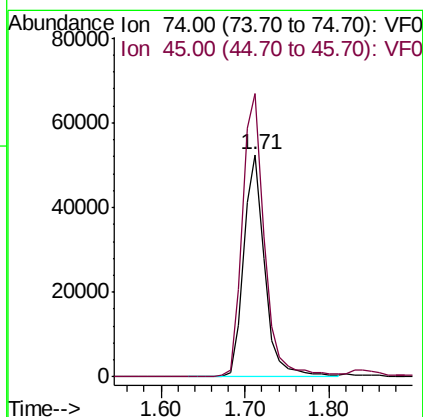
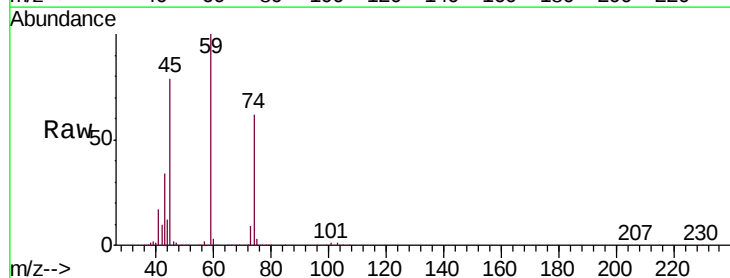
Tgt Ion:101 Resp: 377340
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.5 78.7

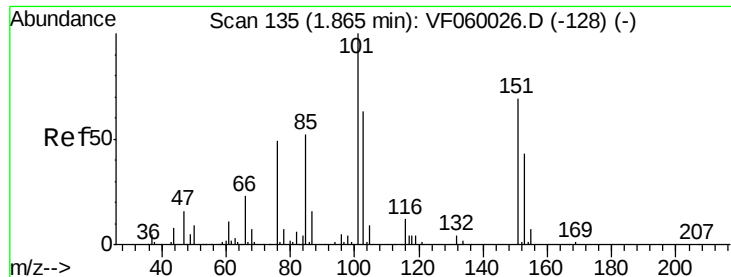


#8

Diethyl Ether
 Concen: 106.985 ug/l
 RT: 1.71 min Scan# 120
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion: 74 Resp: 91078
 Ion Ratio Lower Upper
 74 100
 45 127.2 66.0 198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.796 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

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MSVOA_F

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VSTDIC150

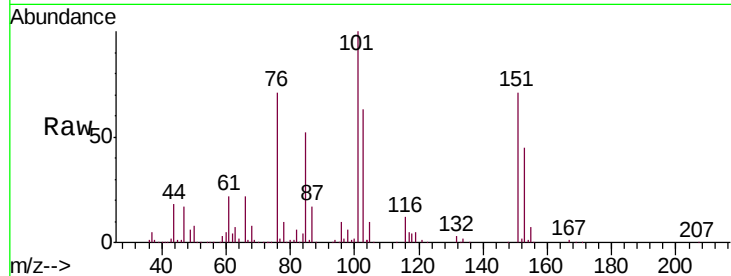
Tgt Ion:101 Resp: 242586

Ion Ratio Lower Upper

101 100

85 52.4 41.5 62.3

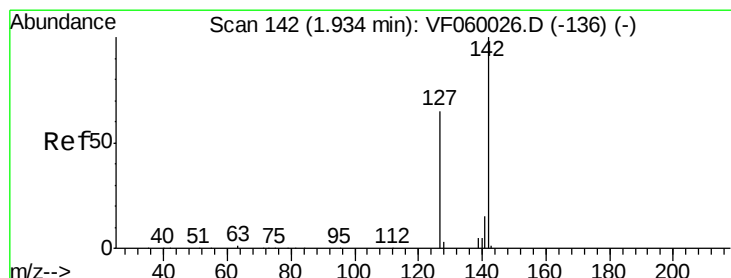
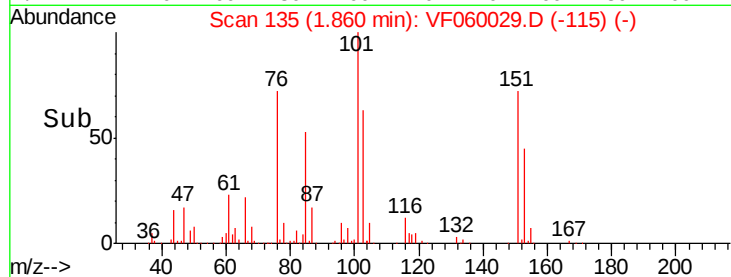
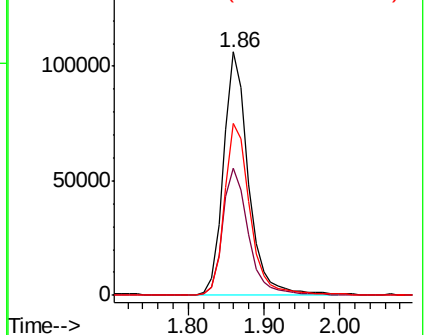
151 70.7 55.2 82.8



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: 101.885 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

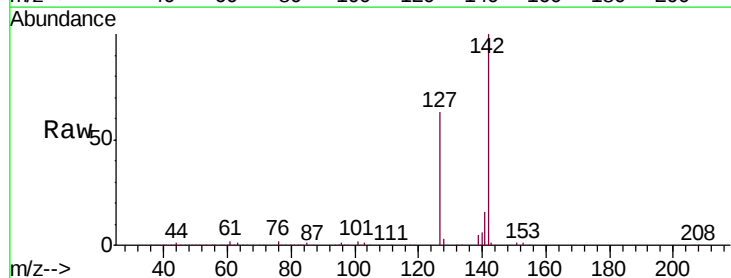
Tgt Ion:142 Resp: 344556

Ion Ratio Lower Upper

142 100

127 63.0 51.8 77.6

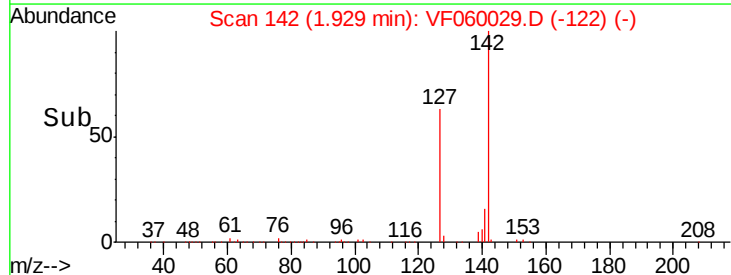
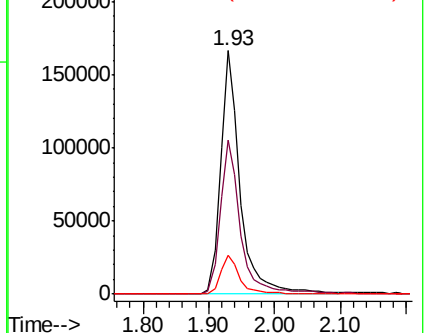
141 15.8 11.9 17.9

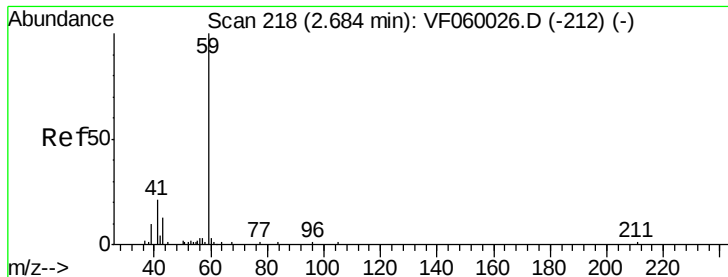


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



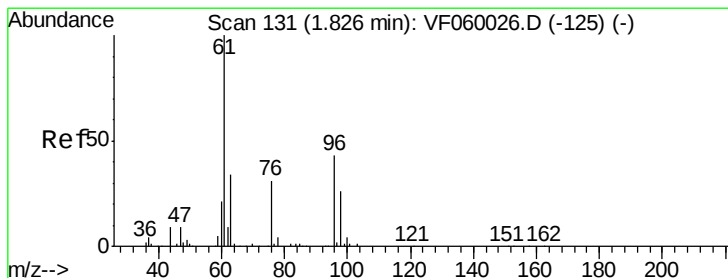
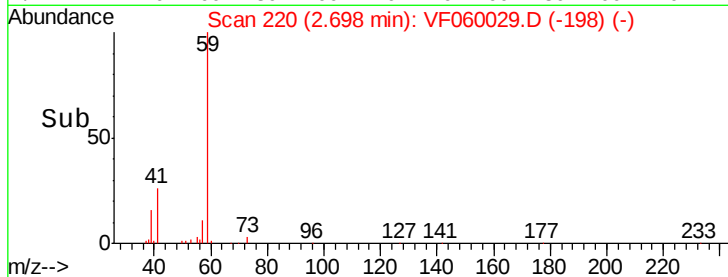
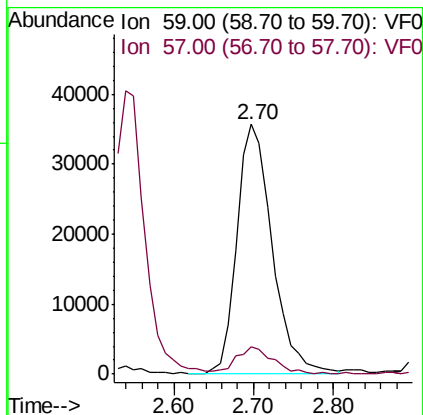
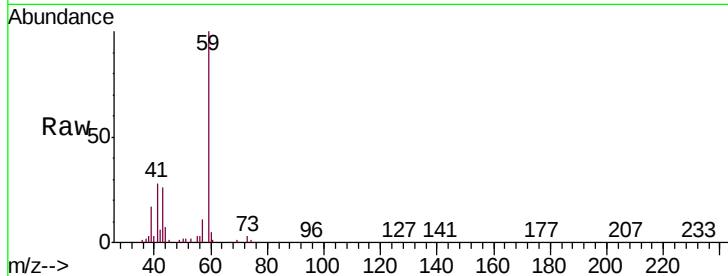


#11

Tert butyl alcohol
 Concen: 494.545 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

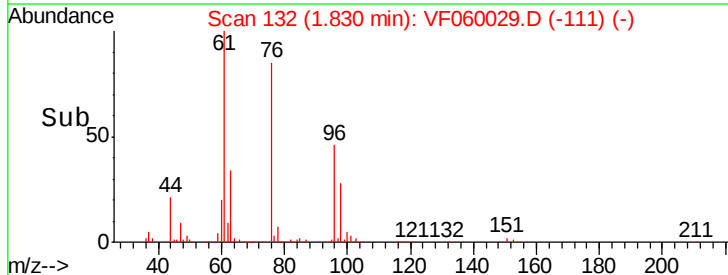
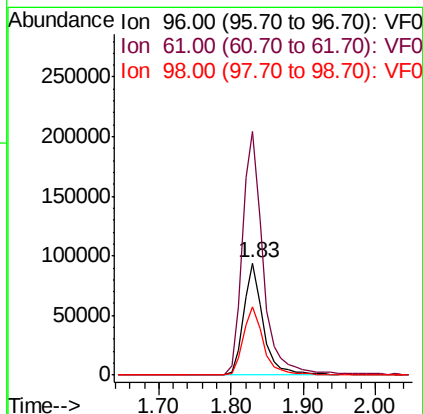
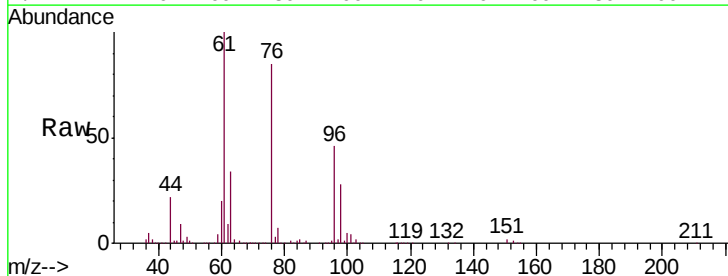
Tgt Ion: 59 Resp: 109554
 Ion Ratio Lower Upper
 59 100
 57 11.2 5.4 8.2#

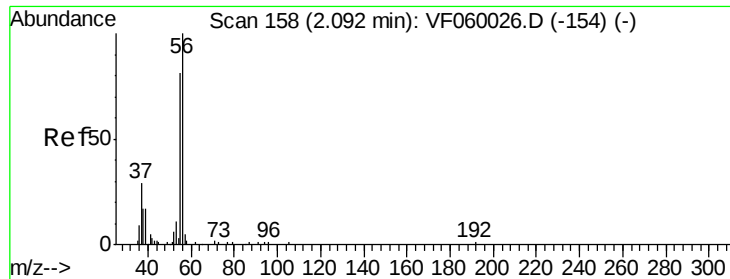


#12

1,1-Dichloroethene
 Concen: 95.988 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion: 96 Resp: 179043
 Ion Ratio Lower Upper
 96 100
 61 217.4 185.0 277.6
 98 61.4 47.8 71.8





#13

Acrolein

Concen: 618.104 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

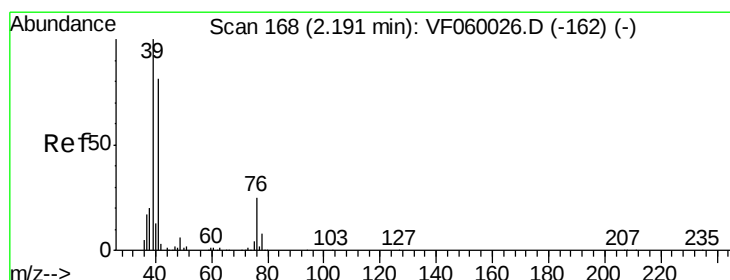
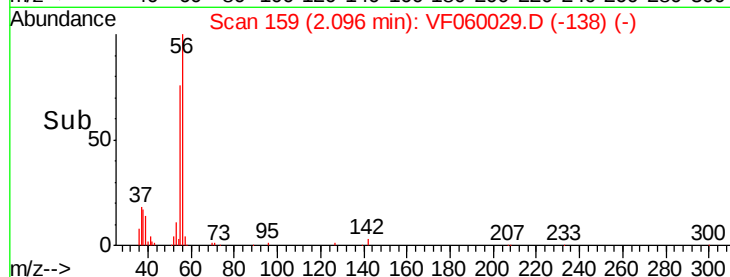
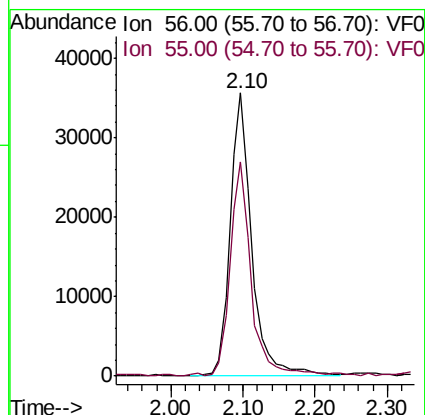
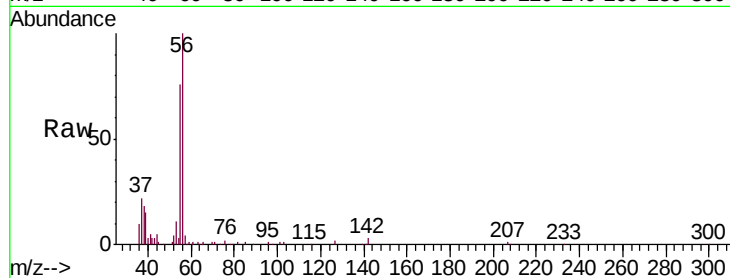
VSTDIC150

Tgt Ion: 56 Resp: 74043

Ion Ratio Lower Upper

56 100

55 75.7 65.6 98.4



#14

Allyl chloride

Concen: 98.520 ug/l

RT: 2.19 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

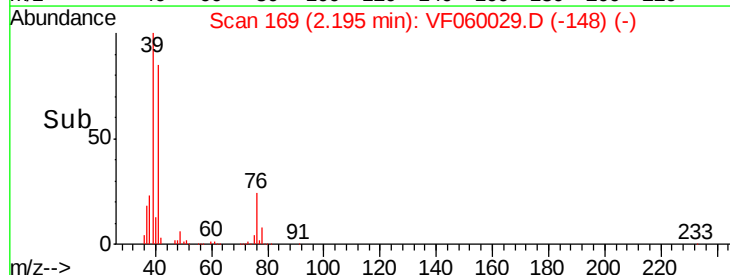
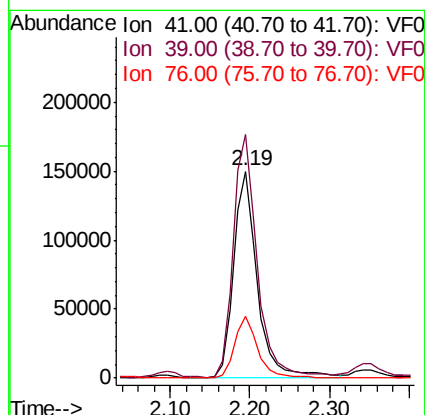
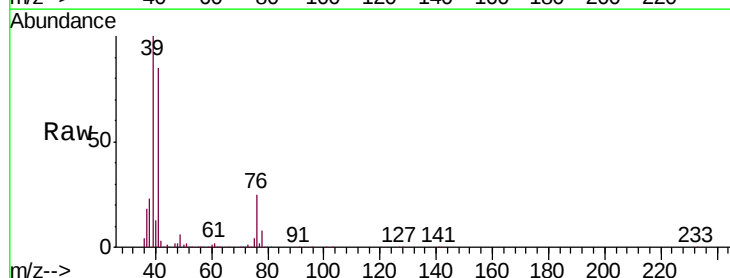
Tgt Ion: 41 Resp: 310938

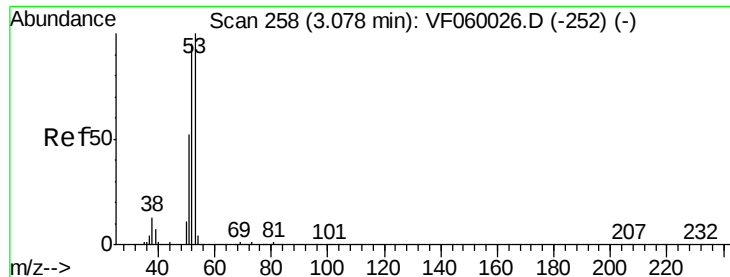
Ion Ratio Lower Upper

41 100

39 117.9 99.3 148.9

76 29.7 24.3 36.5





#15

Acrylonitrile

Concen: 592.915 ug/l

RT: 3.08 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

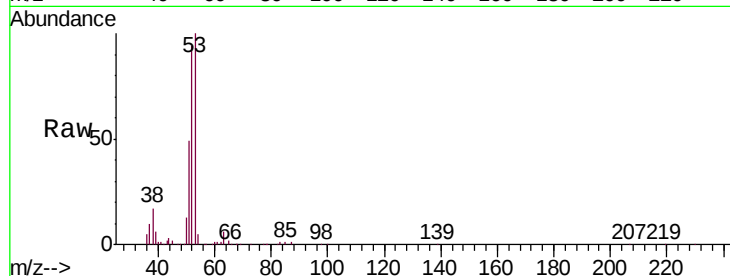
Tgt Ion: 53 Resp: 211951

Ion Ratio Lower Upper

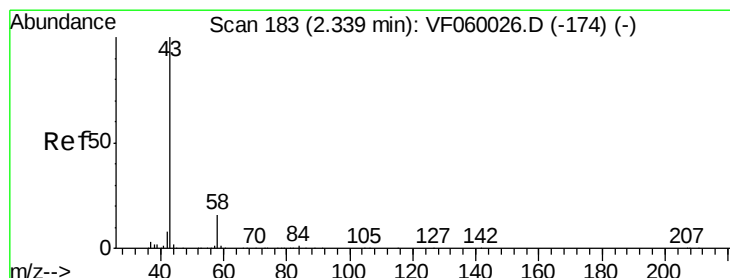
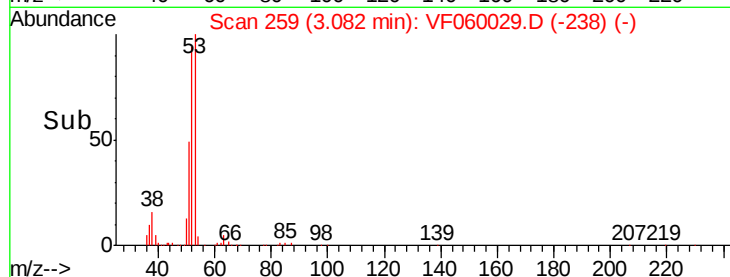
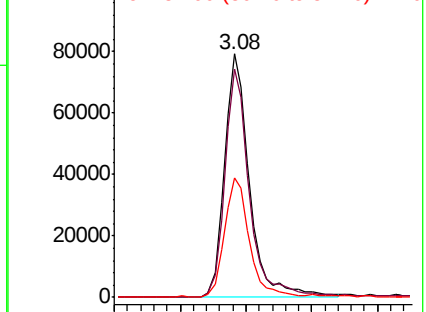
53 100

52 93.8 75.8 113.8

51 48.9 42.1 63.1



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 413.346 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060029.D

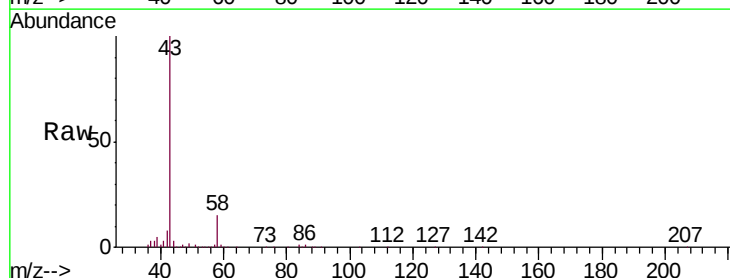
Acq: 21 Aug 2018 19:46

Tgt Ion: 43 Resp: 490014

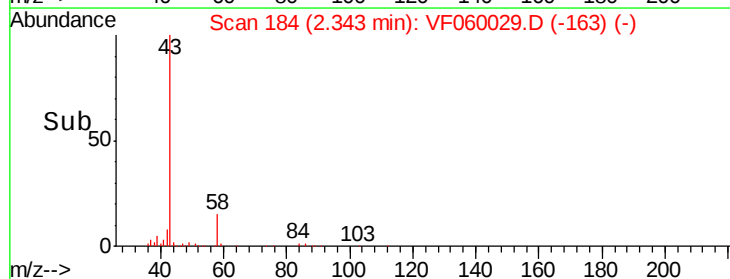
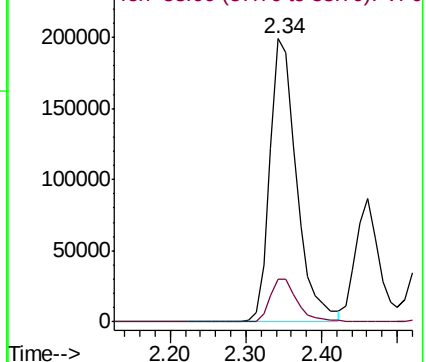
Ion Ratio Lower Upper

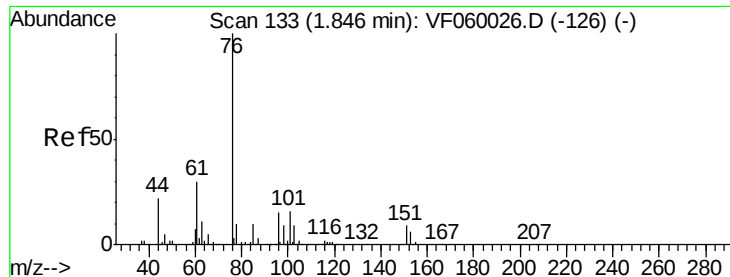
43 100

58 15.3 12.6 19.0



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

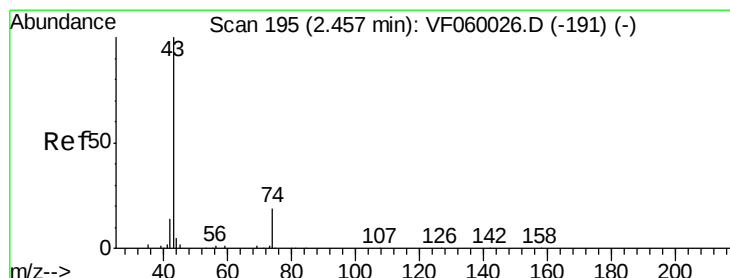
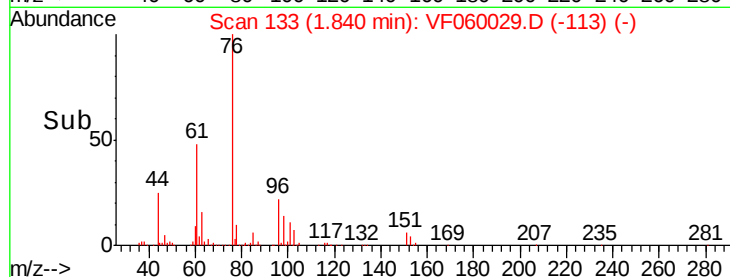
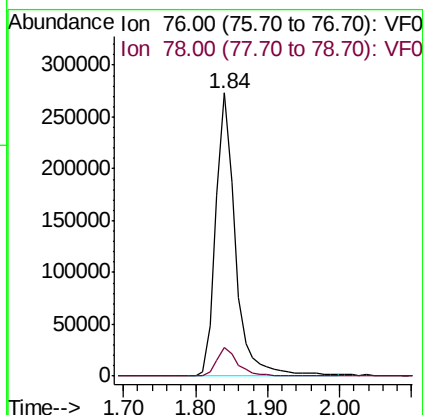
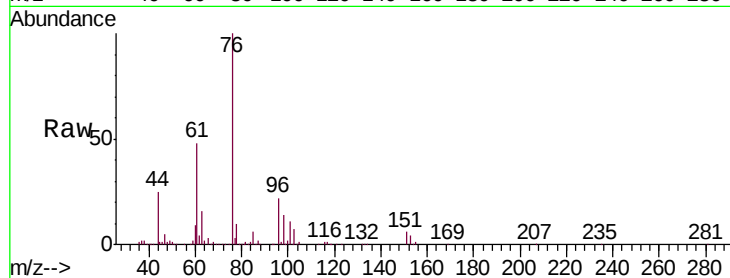




#17
Carbon Disulfide
Concen: 86.891 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

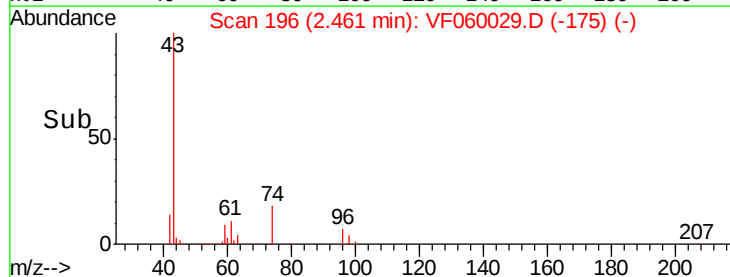
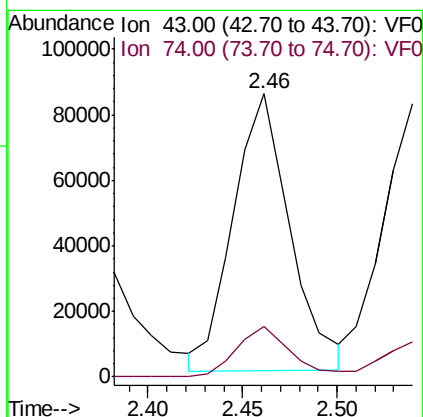
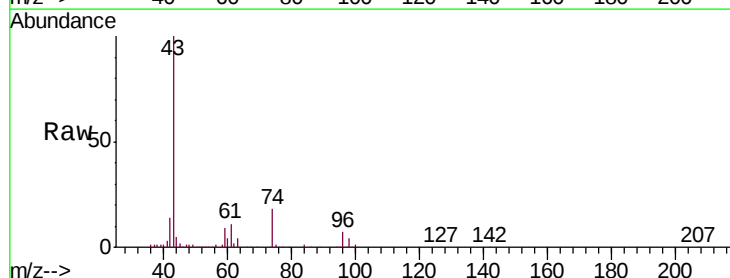
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 512778
Ion Ratio Lower Upper
76 100
78 10.2 8.4 12.6



#18
Methyl Acetate
Concen: 77.927 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion: 43 Resp: 176368
Ion Ratio Lower Upper
43 100
74 17.7 13.8 20.6



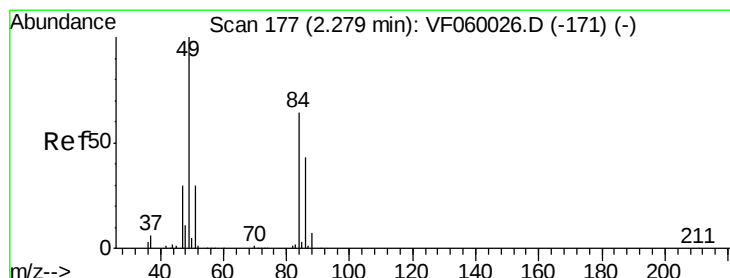
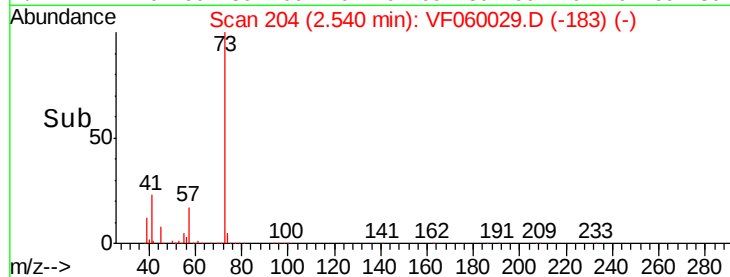
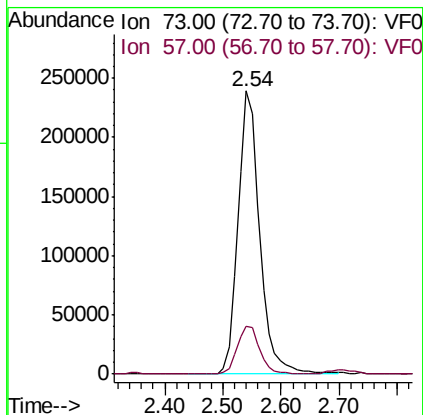
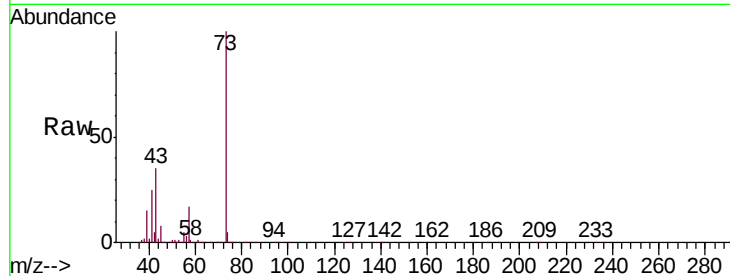


#19

Methyl tert-butyl Ether
 Concen: 102.289 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

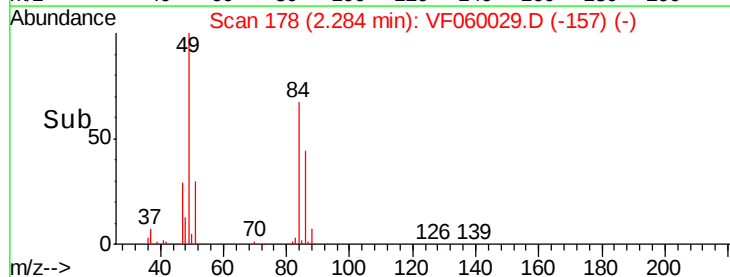
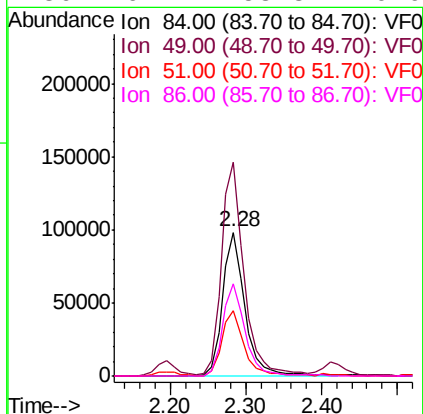
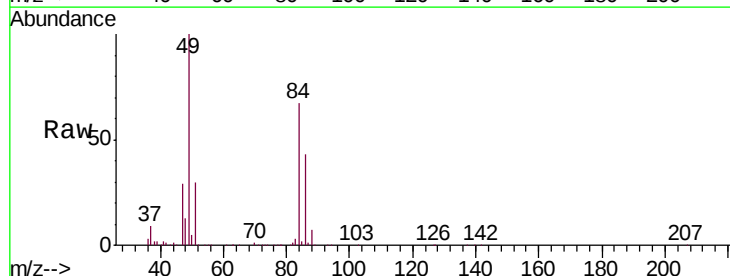
Tgt Ion: 73 Resp: 621013
 Ion Ratio Lower Upper
 73 100
 57 16.9 13.7 20.5

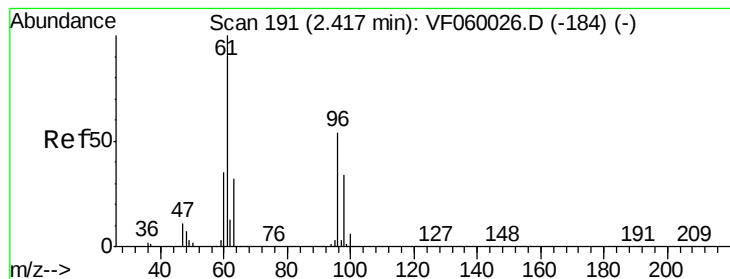


#20

Methylene Chloride
 Concen: 76.347 ug/l
 RT: 2.28 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion: 84 Resp: 201323
 Ion Ratio Lower Upper
 84 100
 49 148.9 125.4 188.0
 51 45.2 38.3 57.5
 86 64.7 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 98.820 ug/l

RT: 2.42 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

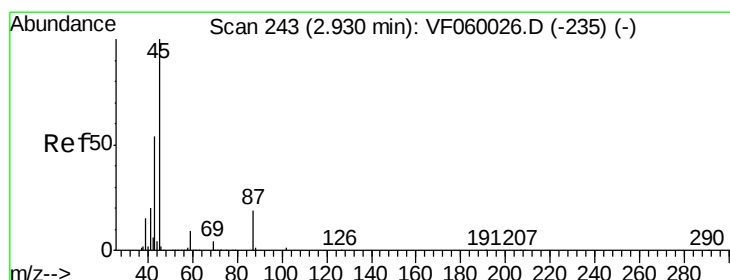
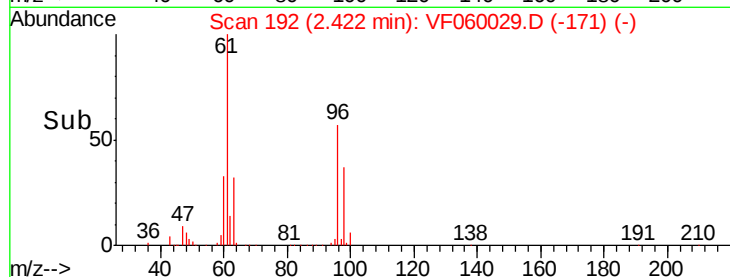
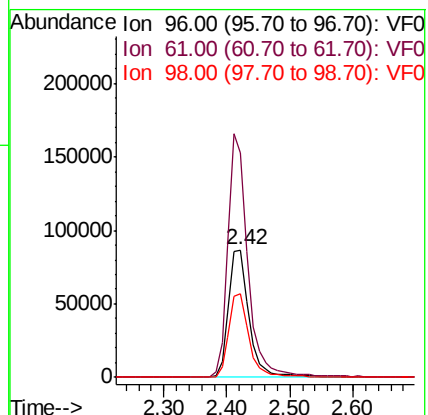
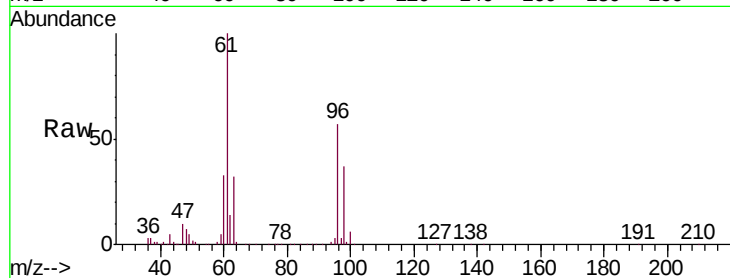
Tgt Ion: 96 Resp: 197565

Ion Ratio Lower Upper

96 100

61 176.7 147.4 221.0

98 65.6 49.8 74.6



#22

Diisopropyl ether

Concen: 111.508 ug/l

RT: 2.93 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion: 45 Resp: 755088

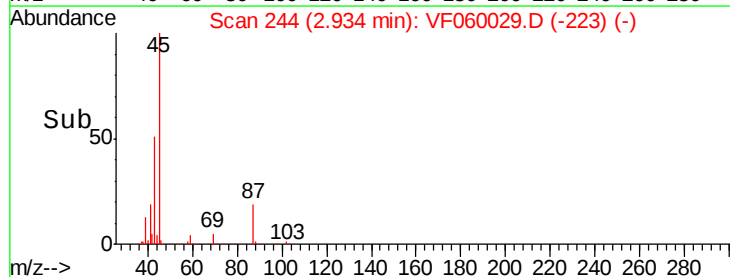
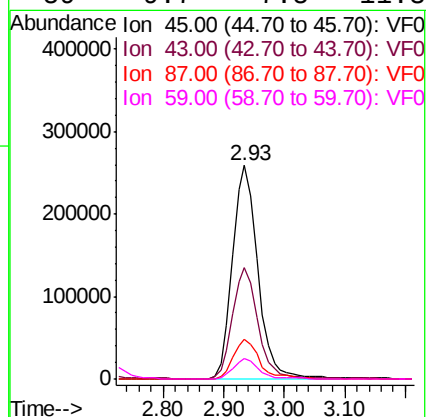
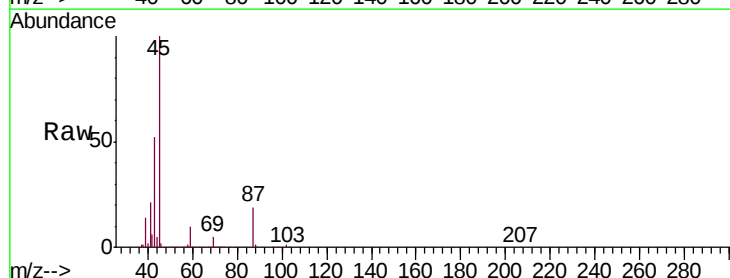
Ion Ratio Lower Upper

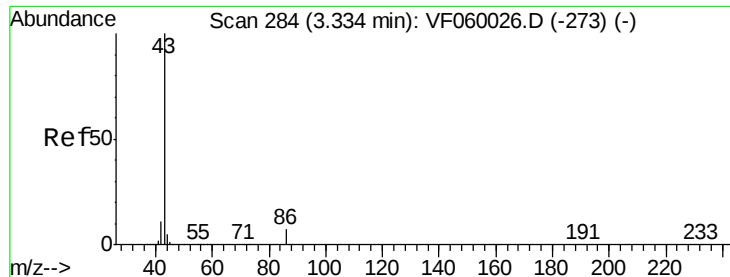
45 100

43 52.0 43.4 65.2

87 18.7 15.4 23.2

59 9.7 7.5 11.3





#23

Vinyl Acetate

Concen: 732.538 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

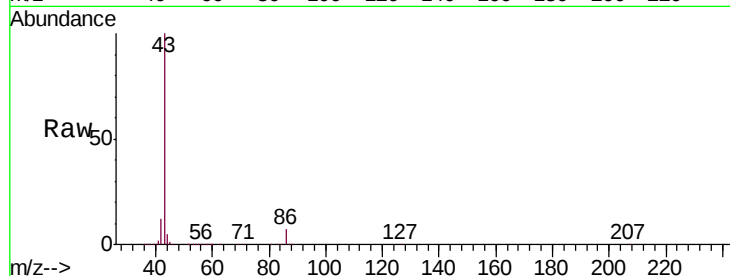
VSTDIC150

Tgt Ion: 43 Resp: 2073597

Ion Ratio Lower Upper

43 100

86 7.1 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.34

800000

600000

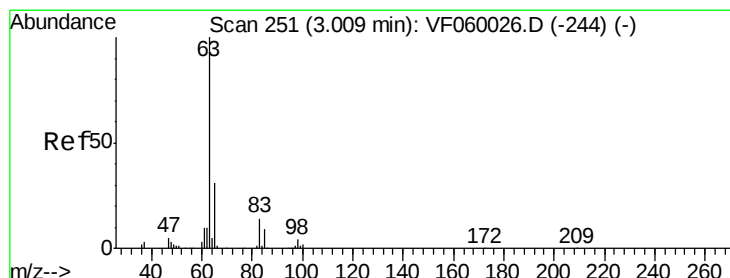
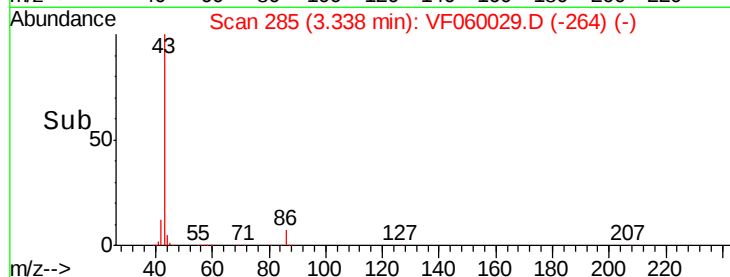
400000

200000

0

Time-->

3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 103.060 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

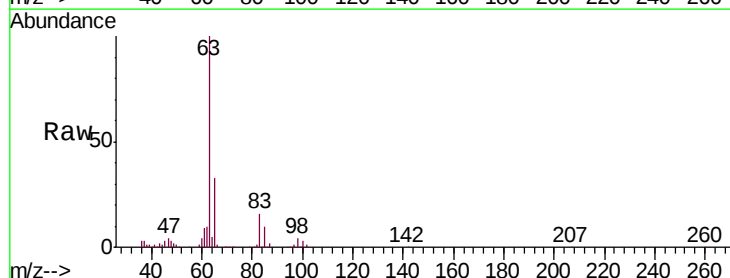
Tgt Ion: 63 Resp: 450617

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

100 2.8 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

200000

150000

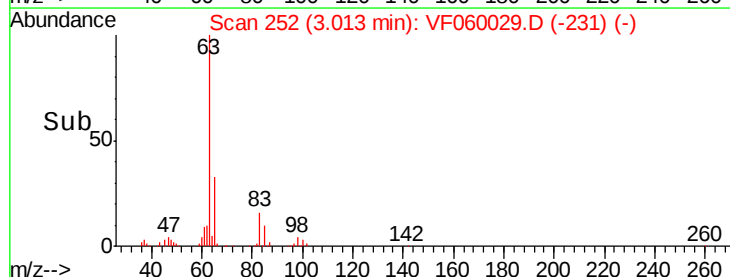
100000

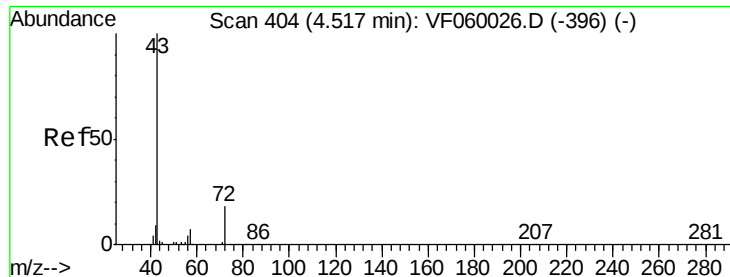
50000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#25

2-Butanone

Concen: 674.297 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

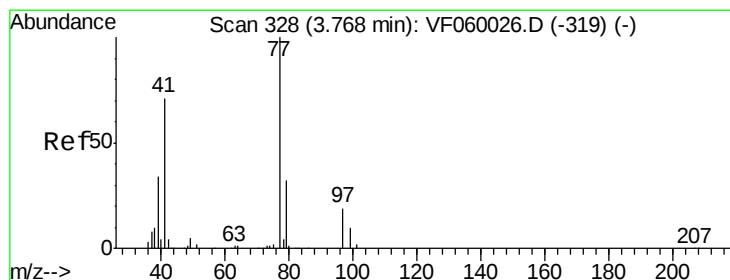
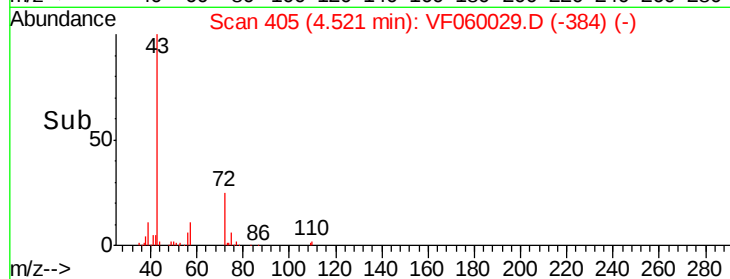
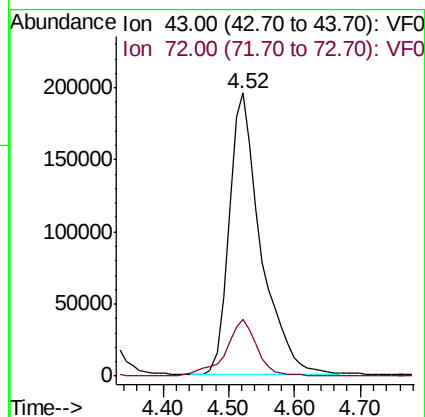
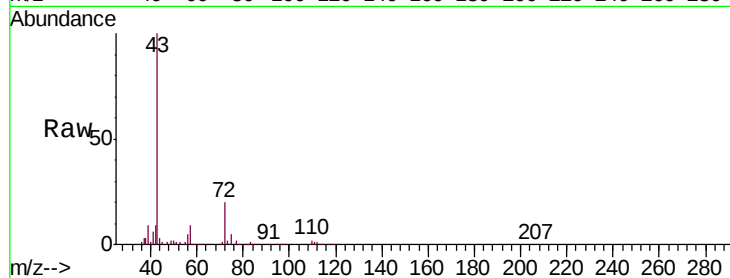
VSTDIC150

Tgt Ion: 43 Resp: 660032

Ion Ratio Lower Upper

43 100

72 19.9 15.0 22.6



#26

2,2-Dichloropropane

Concen: 127.700 ug/l

RT: 3.77 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF060029.D

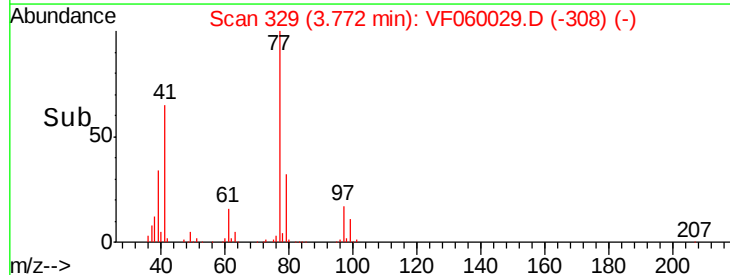
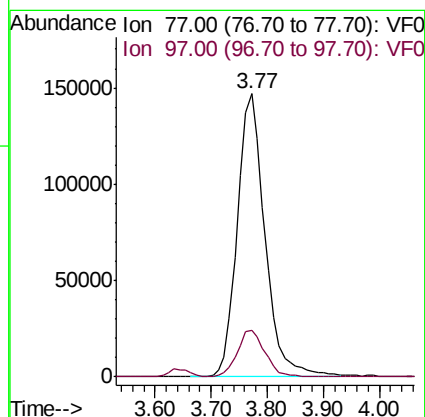
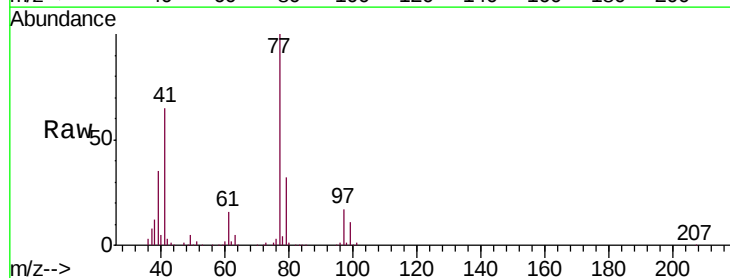
Acq: 21 Aug 2018 19:46

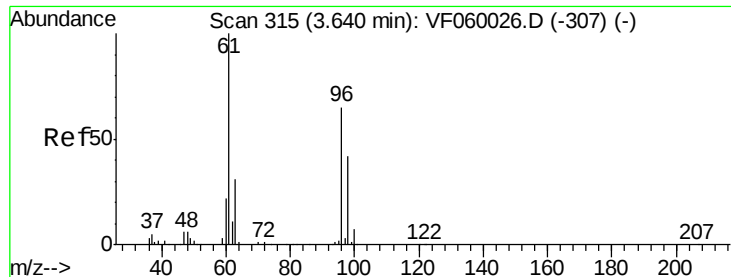
Tgt Ion: 77 Resp: 504151

Ion Ratio Lower Upper

77 100

97 16.5 9.7 29.1



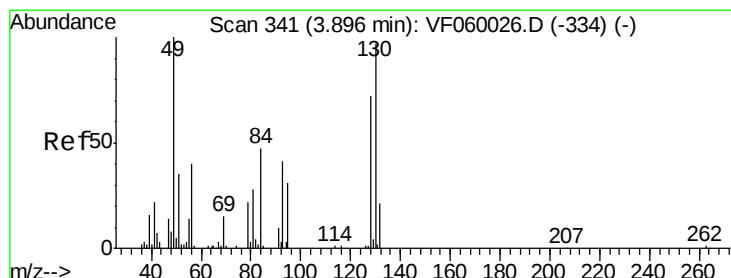
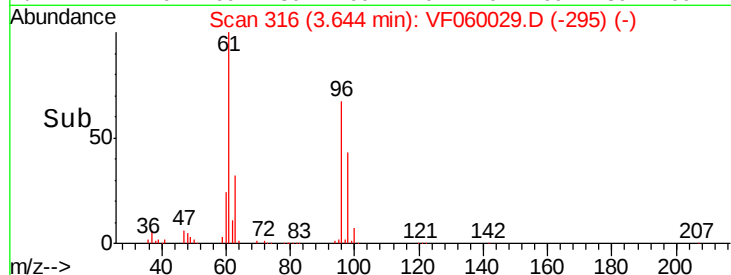
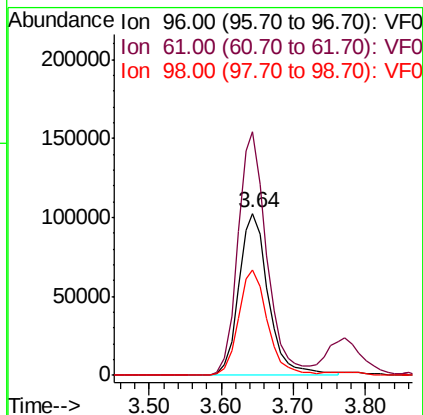
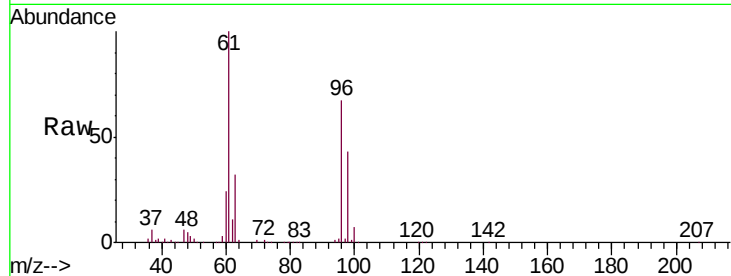


#27

cis-1,2-Dichloroethene
 Concen: 151.574 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

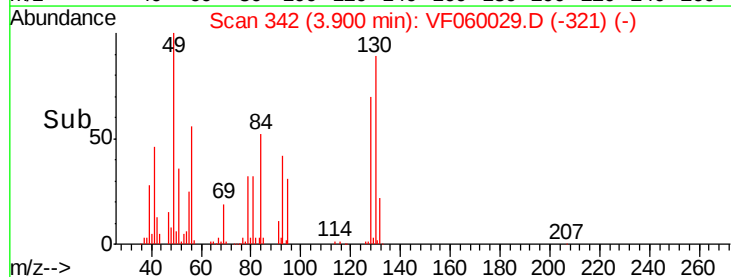
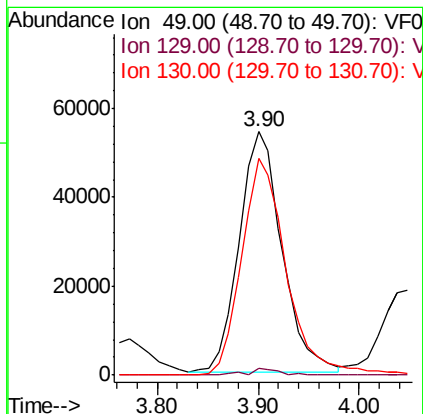
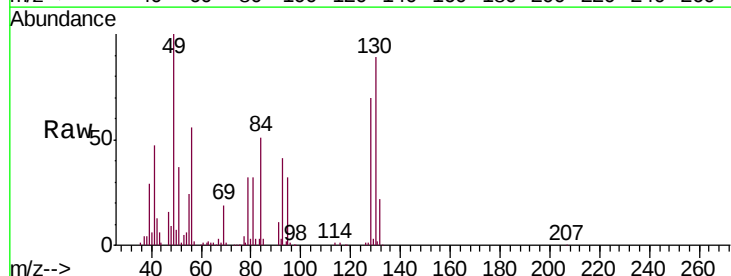
Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	0.0	307.6
98	65.2	0.0	128.4

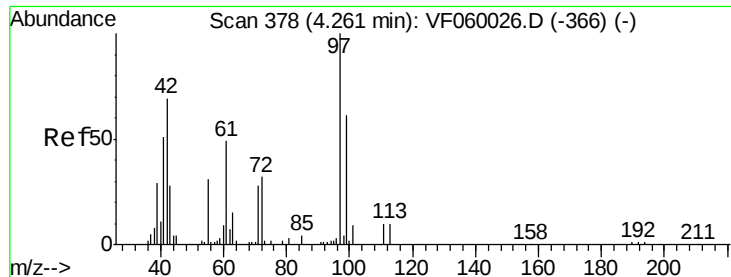


#28

Bromochloromethane
 Concen: 117.768 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	7.4
130	88.9	78.0	117.0





#29

Tetrahydrofuran

Concen: 687.950 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

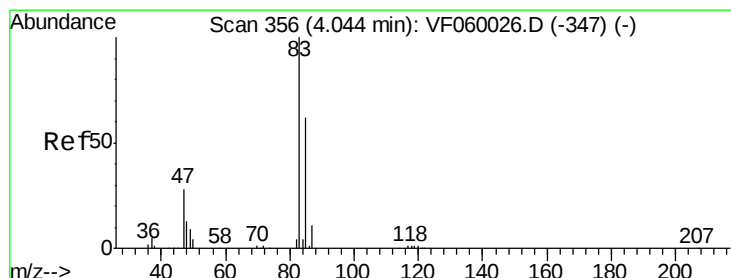
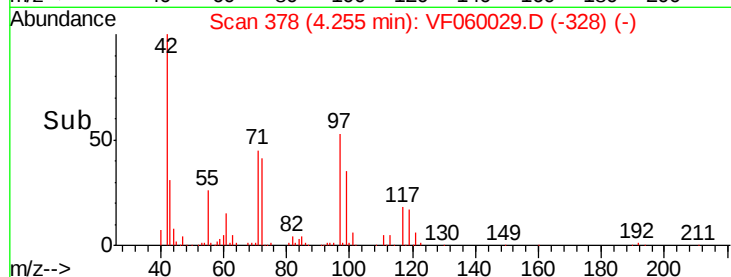
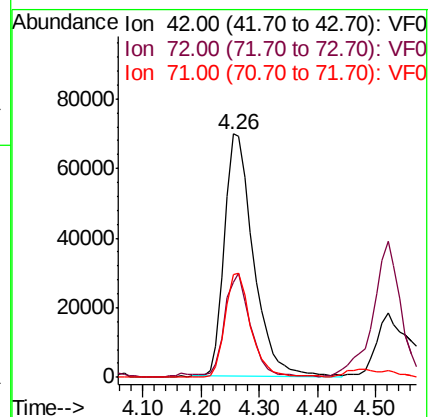
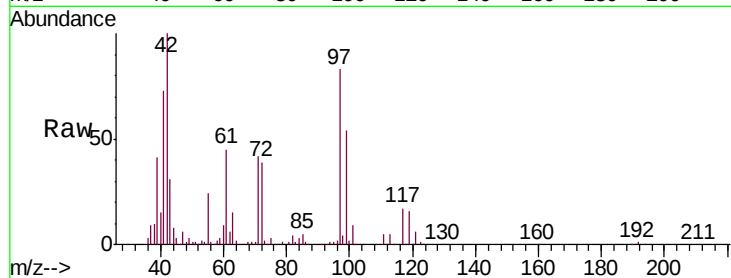
Tgt Ion: 42 Resp: 241577

Ion Ratio Lower Upper

42 100

72 37.5 31.4 47.2

71 38.1 29.7 44.5



#30

Chloroform

Concen: 122.518 ug/l

RT: 4.05 min Scan# 357

Delta R.T. 0.00 min

Lab File: VF060029.D

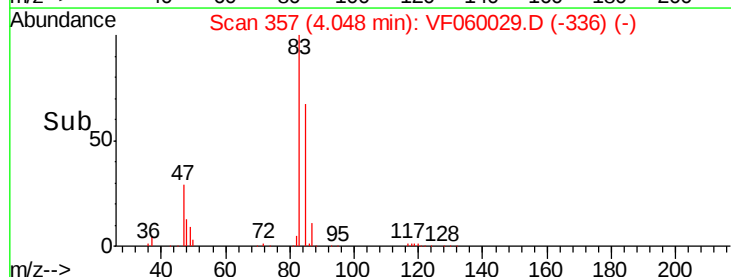
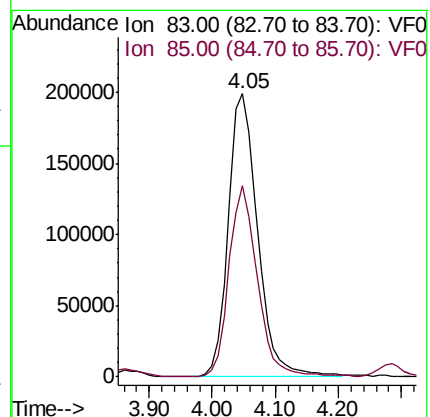
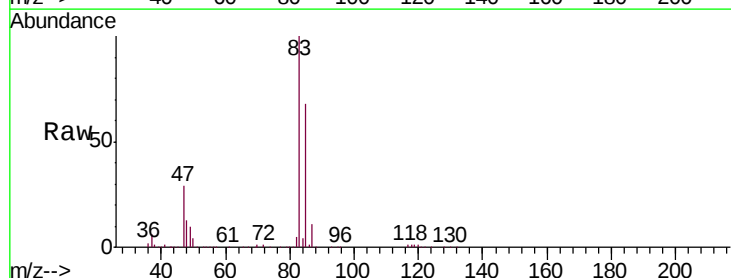
Acq: 21 Aug 2018 19:46

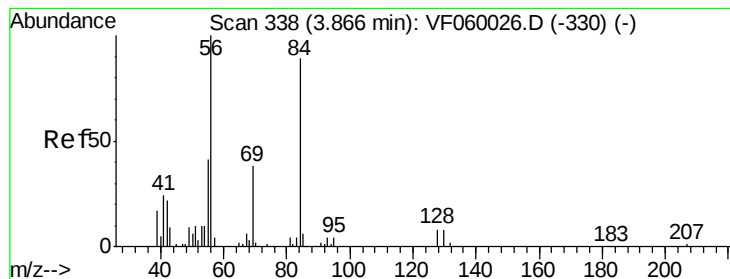
Tgt Ion: 83 Resp: 642777

Ion Ratio Lower Upper

83 100

85 67.5 49.5 74.3





#31

Cyclohexane

Concen: 141.226 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

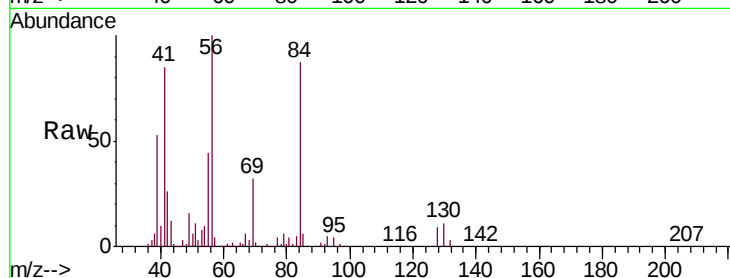
Tgt Ion: 56 Resp: 308567

Ion Ratio Lower Upper

56 100

69 32.3 30.4 45.6

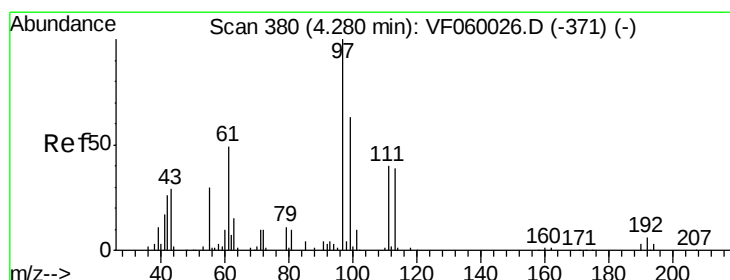
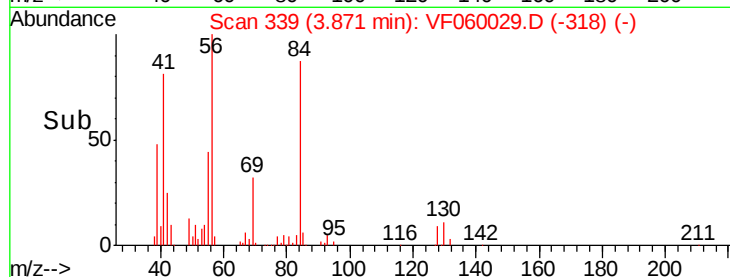
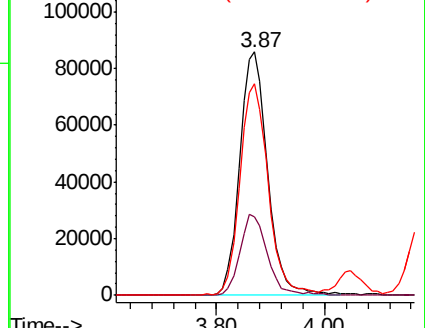
84 86.9 71.4 107.2



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: 107.211 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

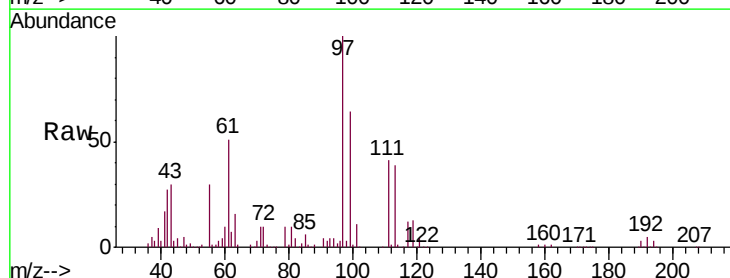
Tgt Ion: 97 Resp: 537160

Ion Ratio Lower Upper

97 100

99 64.0 50.3 75.5

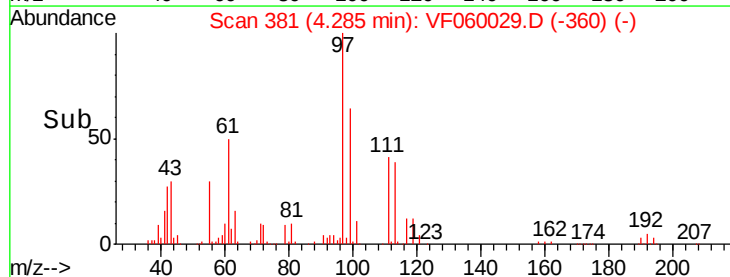
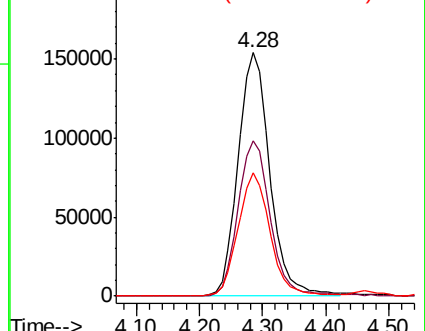
61 50.6 40.3 60.5

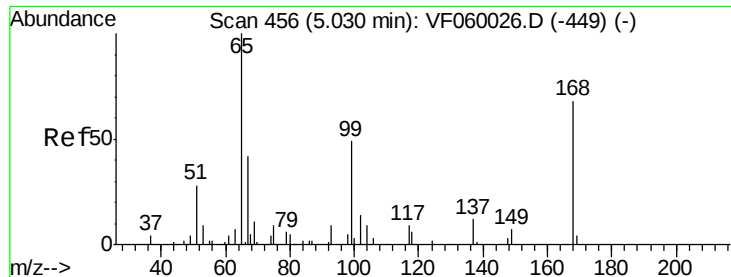


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 105.260 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

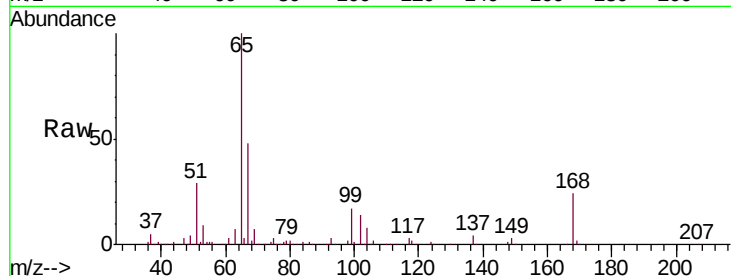
VSTDIC150

Tgt Ion: 65 Resp: 401351

Ion Ratio Lower Upper

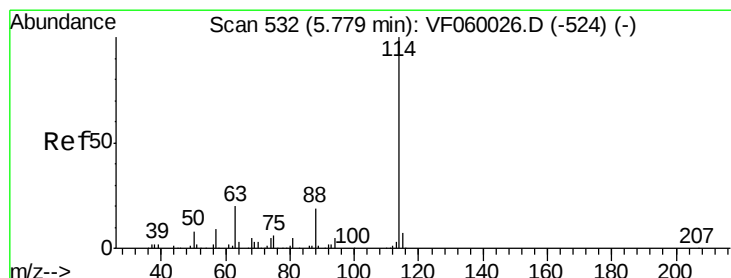
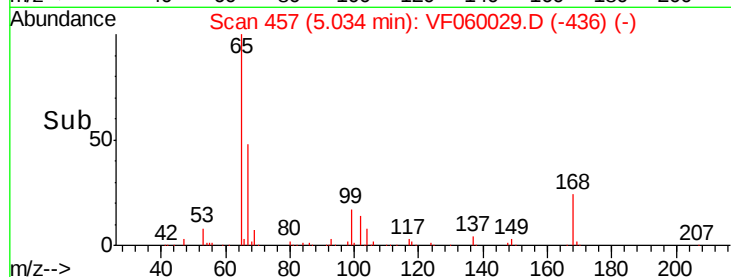
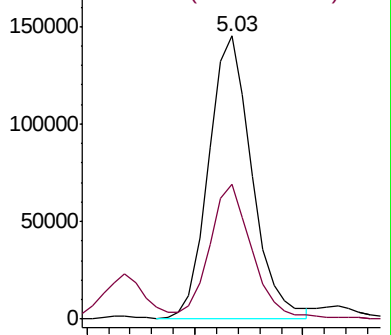
65 100

67 47.8 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

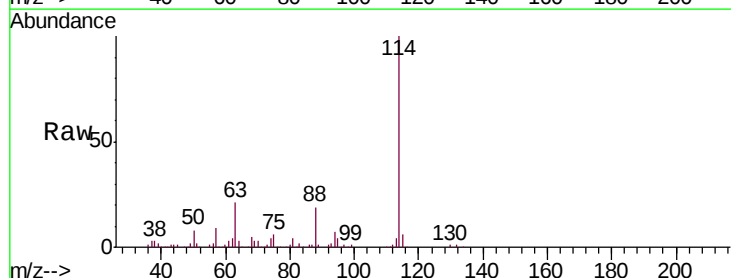
Tgt Ion: 114 Resp: 333632

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.4

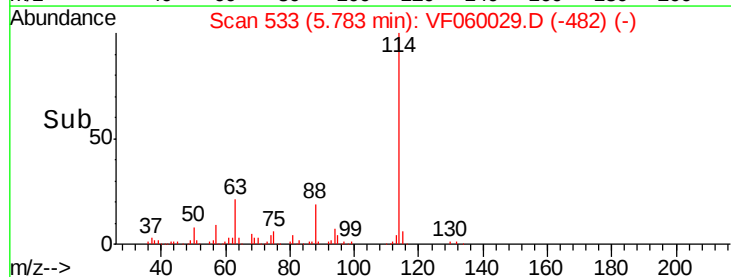
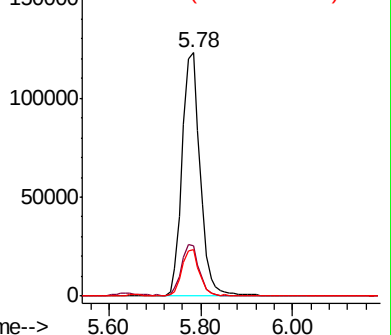
88 18.9 0.0 38.6

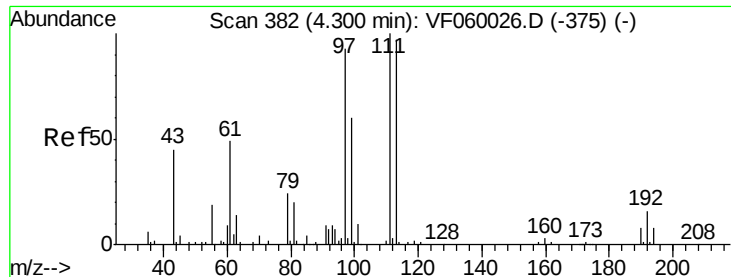


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 108.273 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

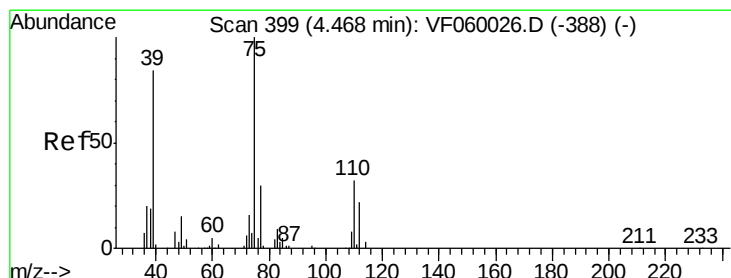
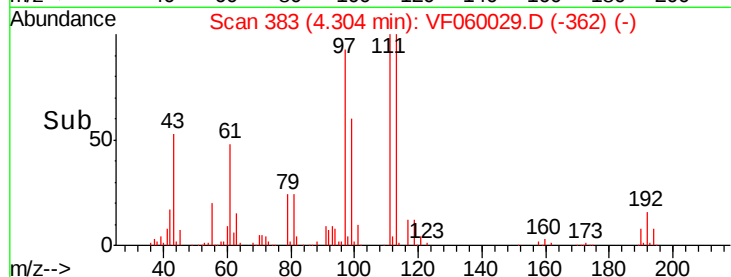
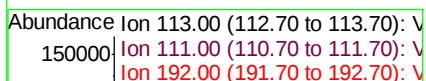
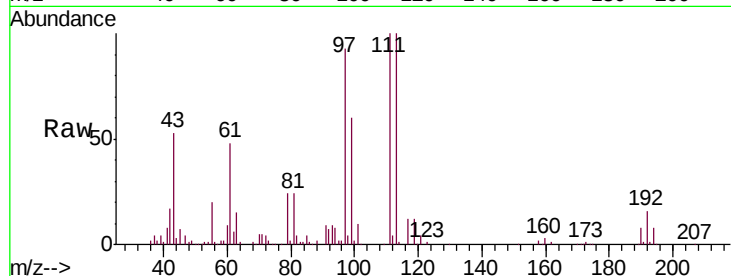
Tgt Ion:113 Resp: 355093

Ion Ratio Lower Upper

113 100

111 100.4 82.7 124.1

192 16.3 13.0 19.4



#36

1,1-Dichloropropene

Concen: 110.083 ug/l

RT: 4.47 min Scan# 400

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

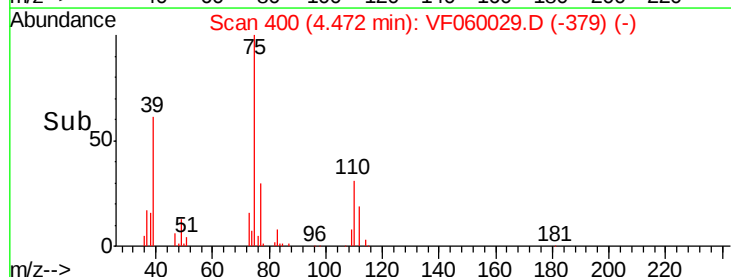
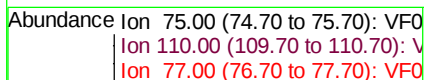
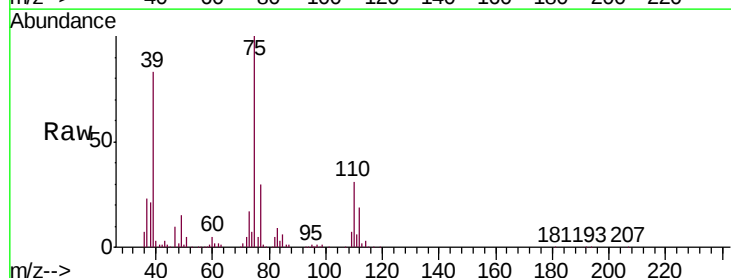
Tgt Ion: 75 Resp: 411771

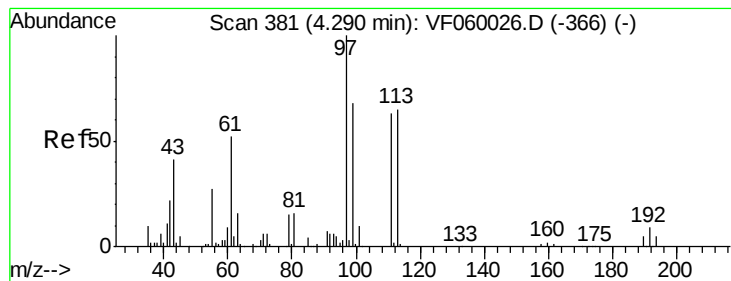
Ion Ratio Lower Upper

75 100

110 30.8 16.0 47.9

77 30.2 24.1 36.1





#37

Ethyl Acetate

Concen: 118.043 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

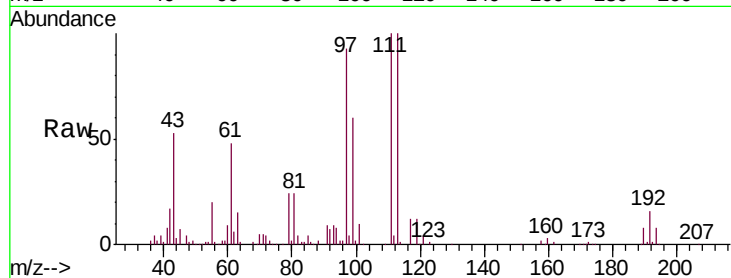
Tgt Ion: 43 Resp: 241512

Ion Ratio Lower Upper

43 100

61 91.0 101.5 152.3#

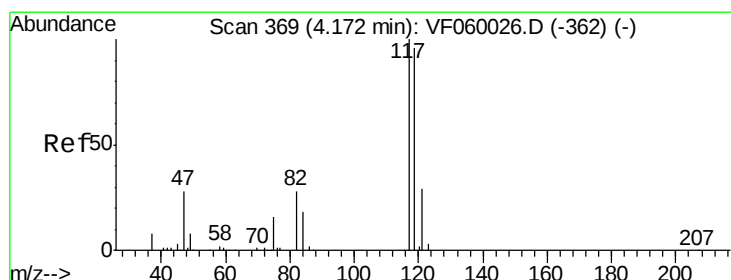
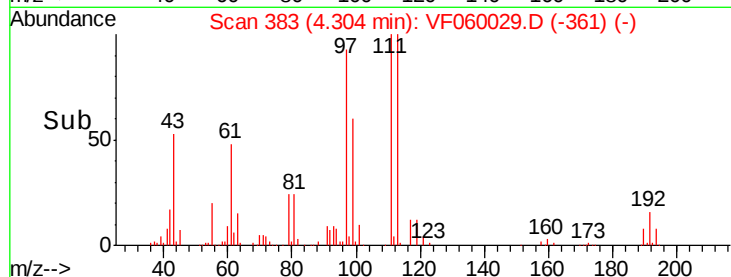
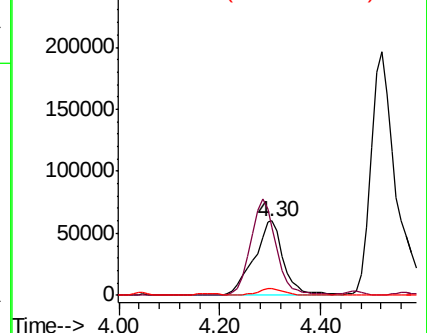
70 9.3 6.4 9.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 98.148 ug/l

RT: 4.18 min Scan# 370

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

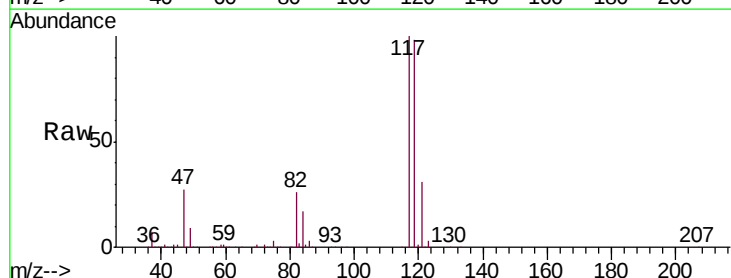
Tgt Ion: 117 Resp: 506655

Ion Ratio Lower Upper

117 100

119 97.9 76.5 114.7

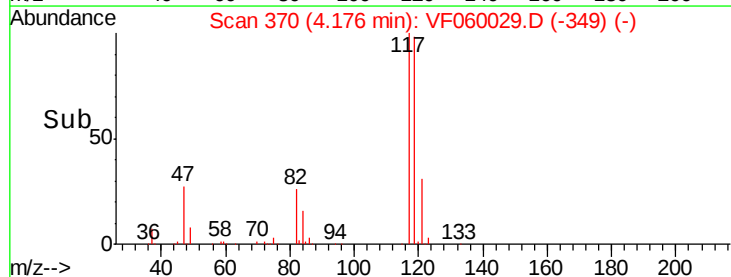
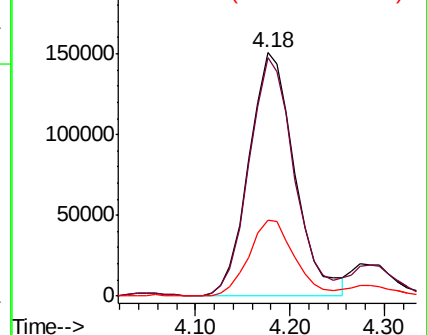
121 31.4 23.0 34.6

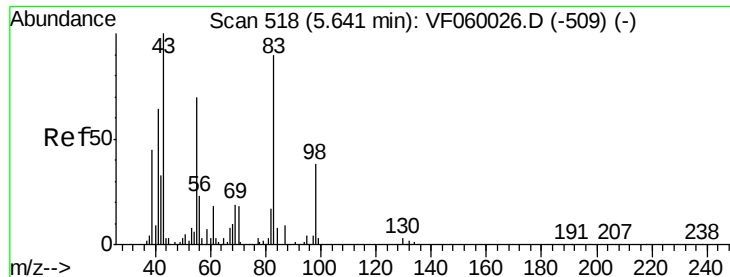


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

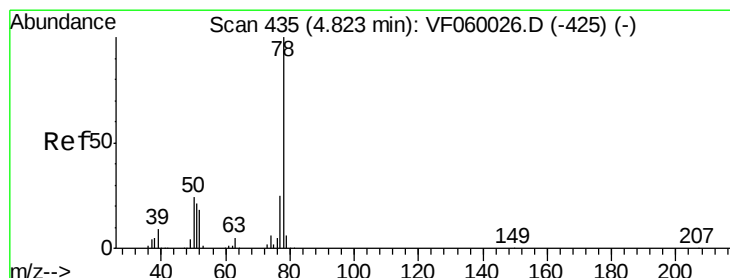
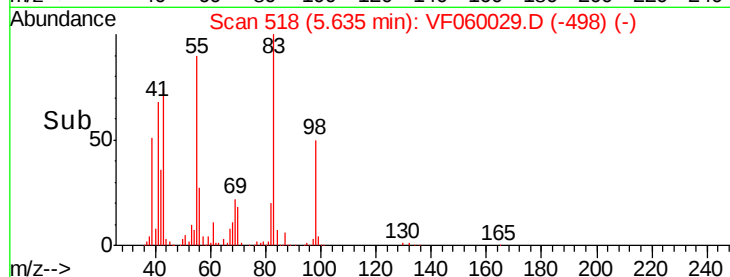
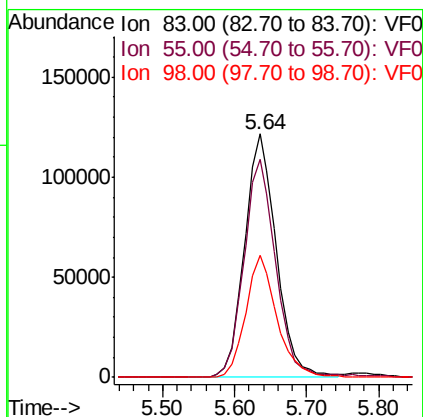
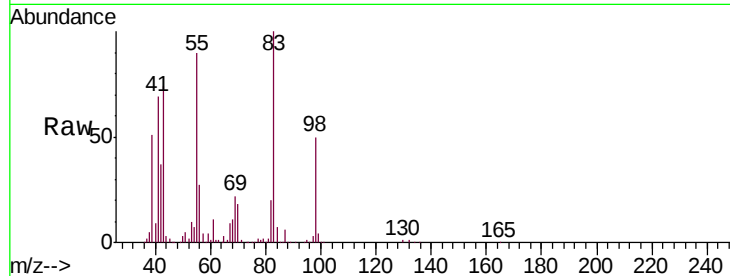




#39
Methylcyclohexane
Concen: 130.862 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

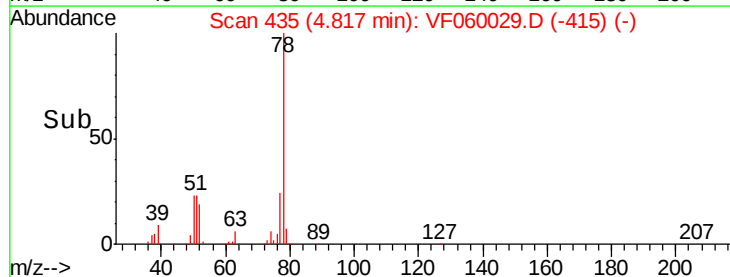
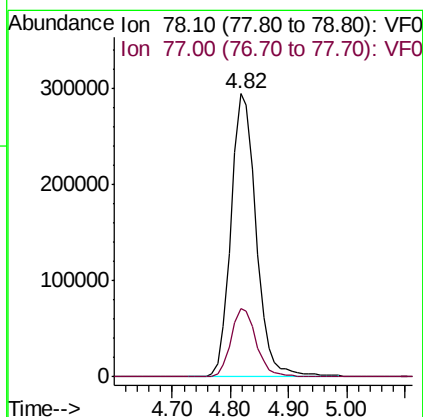
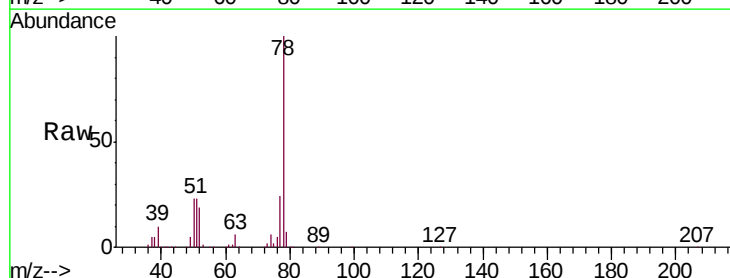
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

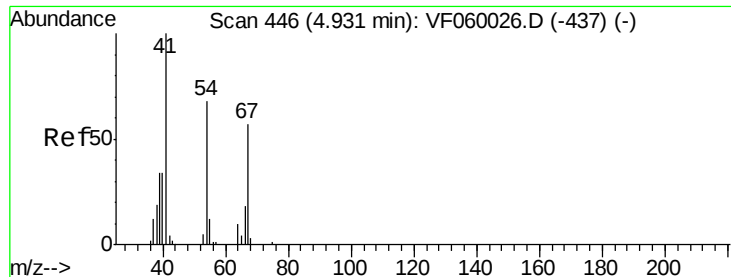
Tgt Ion: 83 Resp: 373874
Ion Ratio Lower Upper
83 100
55 89.6 62.7 94.1
98 50.0 33.8 50.8



#40
Benzene
Concen: 138.344 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion: 78 Resp: 889212
Ion Ratio Lower Upper
78 100
77 24.2 19.8 29.6





#41

Methacrylonitrile

Concen: 127.172 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 125963

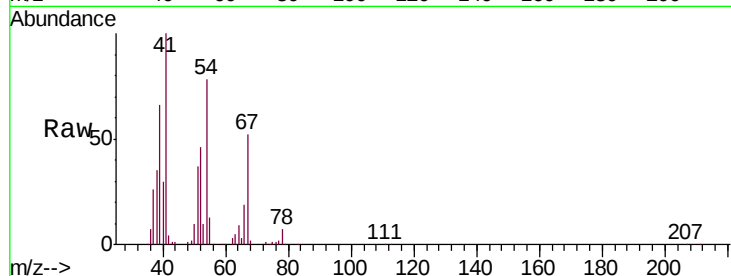
Ion Ratio Lower Upper

41 100

39 65.8 52.9 79.3

67 52.5 45.3 67.9

52 46.3 34.8 52.2

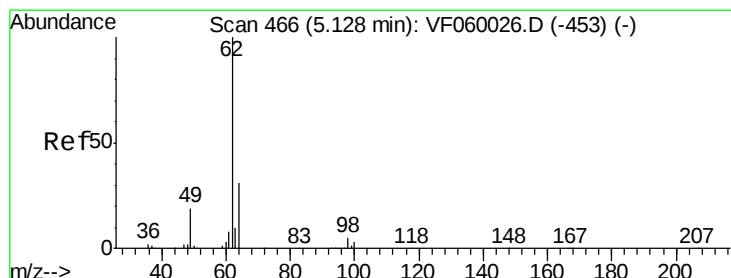
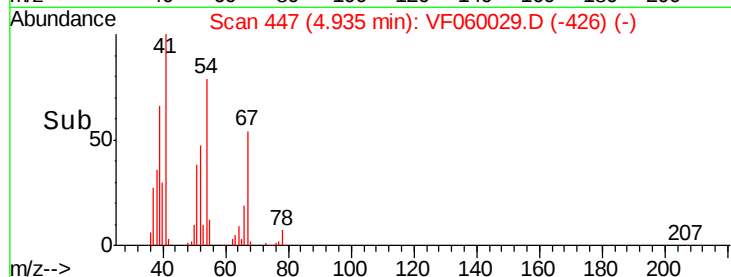
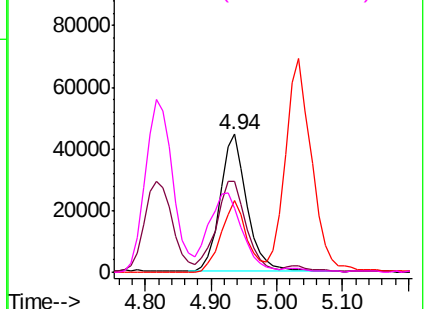


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 94.874 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF060029.D

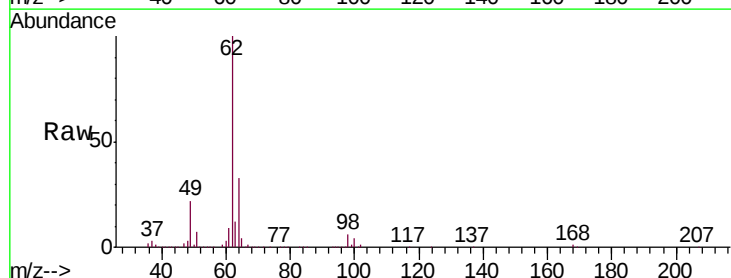
Acq: 21 Aug 2018 19:46

Tgt Ion: 62 Resp: 489305

Ion Ratio Lower Upper

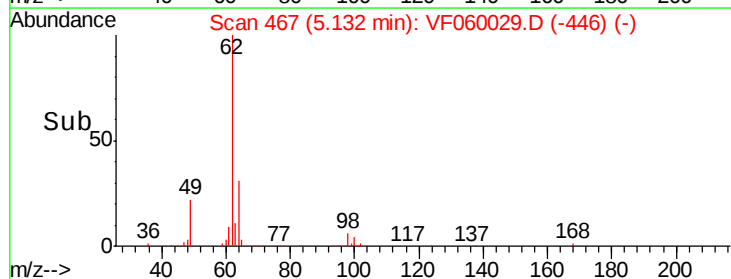
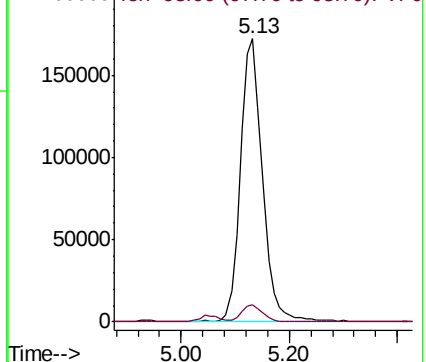
62 100

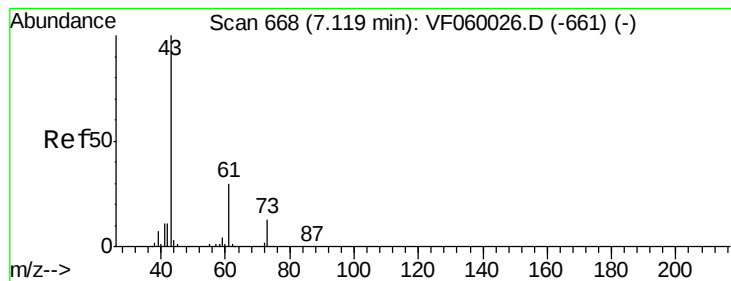
98 5.9 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 146.933 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

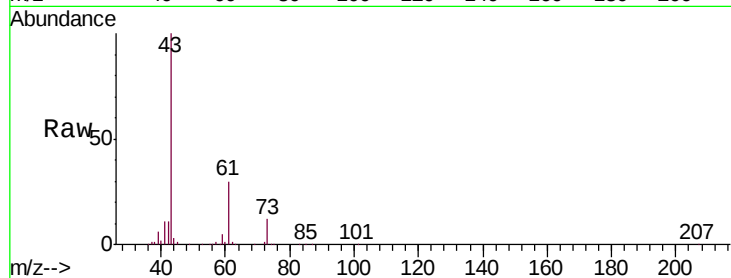
Tgt Ion: 43 Resp: 340847

Ion Ratio Lower Upper

43 100

61 30.4 23.8 35.6

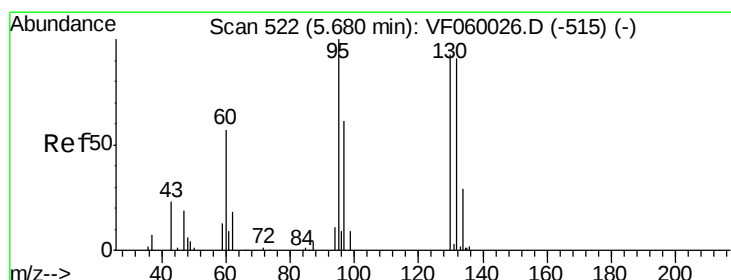
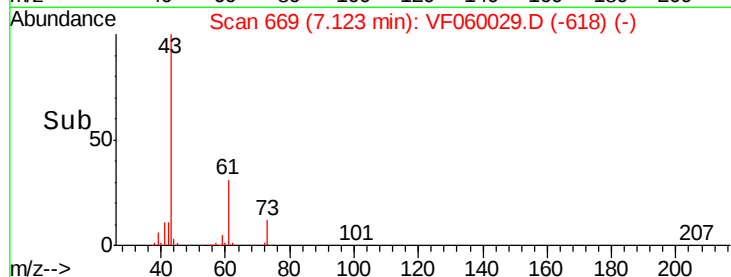
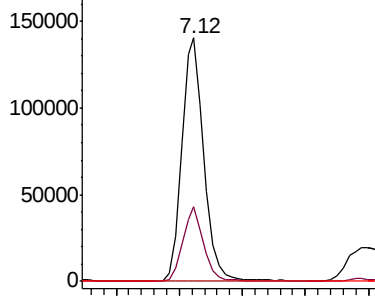
87 0.3 0.2 0.4



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: 119.202 ug/l

RT: 5.68 min Scan# 523

Delta R.T. 0.00 min

Lab File: VF060029.D

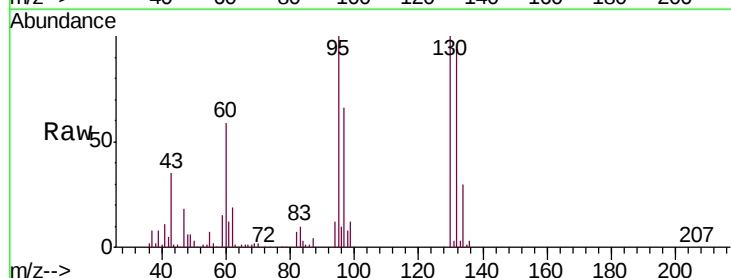
Acq: 21 Aug 2018 19:46

Tgt Ion: 130 Resp: 292965

Ion Ratio Lower Upper

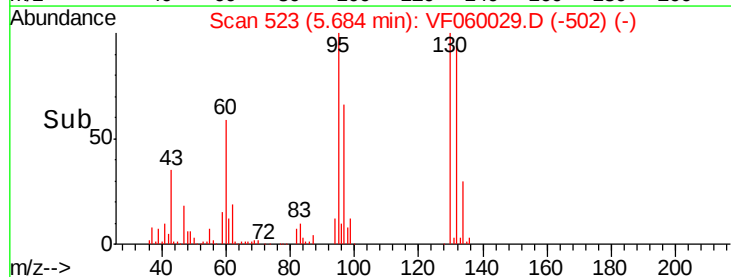
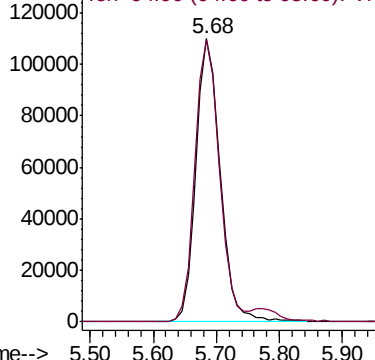
130 100

95 99.8 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: 145.348 ug/l

RT: 6.41 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

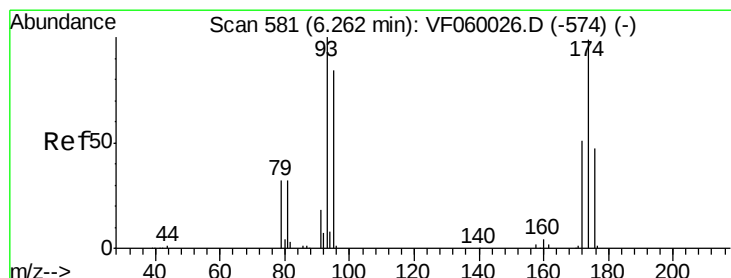
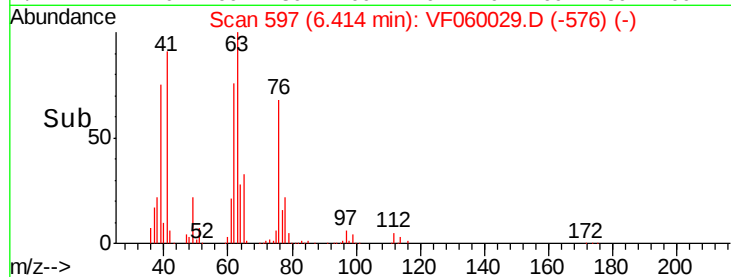
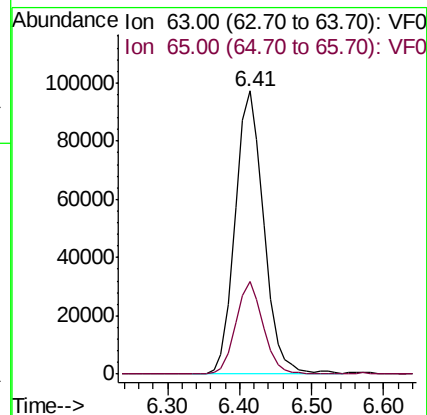
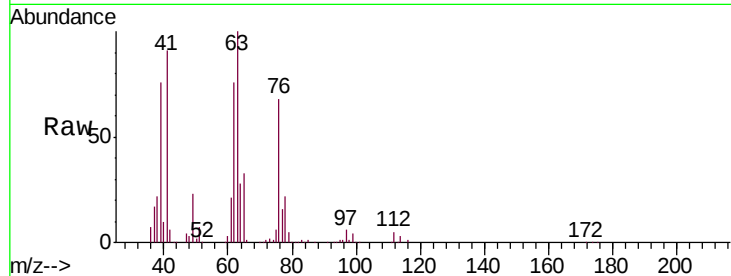
VSTDIC150

Tgt Ion: 63 Resp: 269654

Ion Ratio Lower Upper

63 100

65 32.7 23.8 35.6



#46

Dibromomethane

Concen: 120.839 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

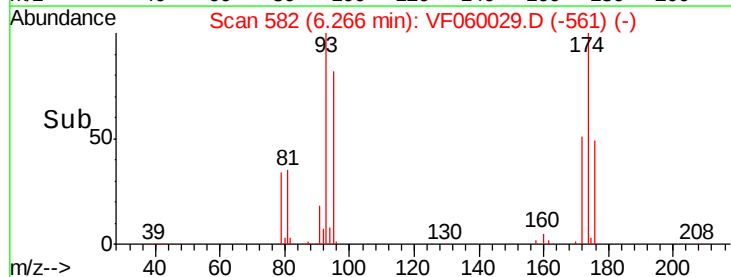
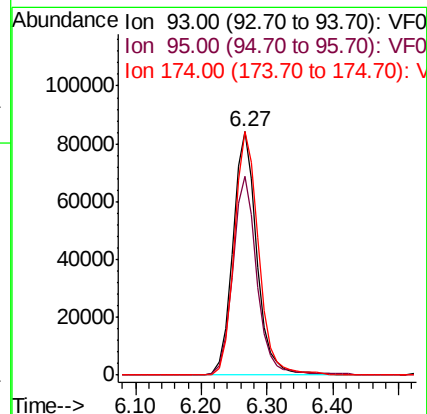
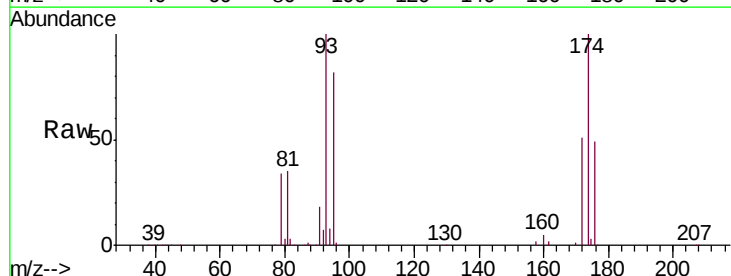
Tgt Ion: 93 Resp: 214658

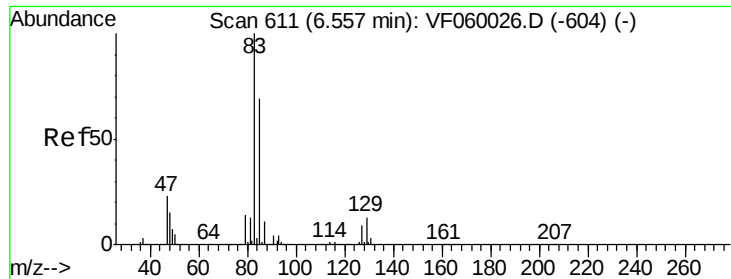
Ion Ratio Lower Upper

93 100

95 81.6 67.1 100.7

174 100.1 79.0 118.4





#47

Bromodichloromethane

Concen: 110.711 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

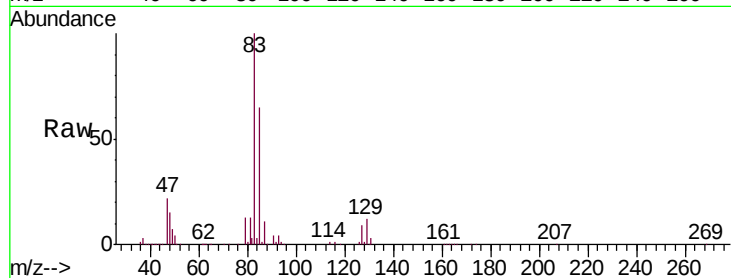
Tgt Ion: 83 Resp: 518075

Ion Ratio Lower Upper

83 100

85 64.8 55.2 82.8

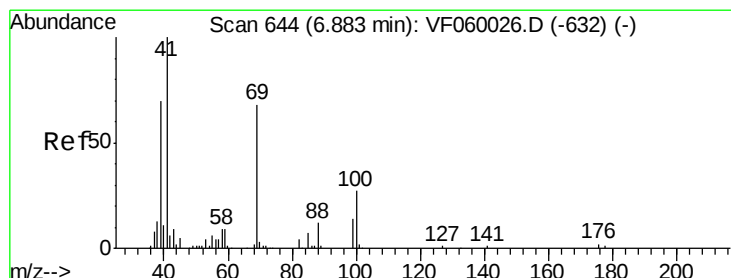
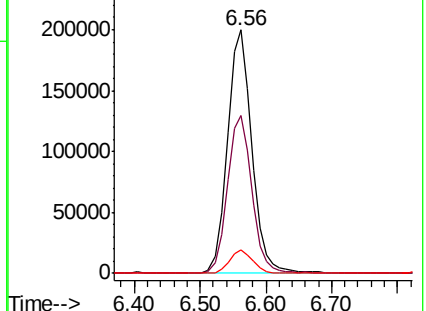
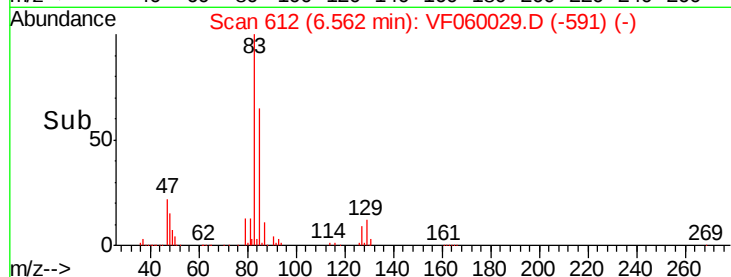
127 9.4 7.3 10.9



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: 131.372 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

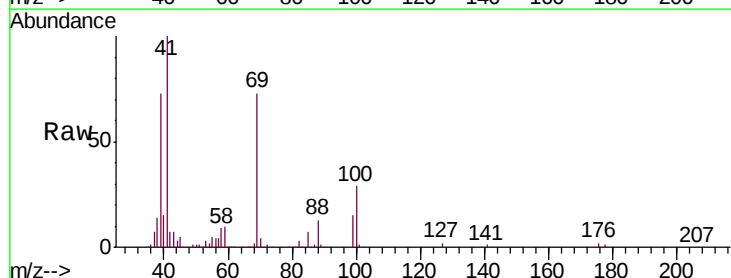
Tgt Ion: 41 Resp: 222032

Ion Ratio Lower Upper

41 100

69 72.5 54.6 81.8

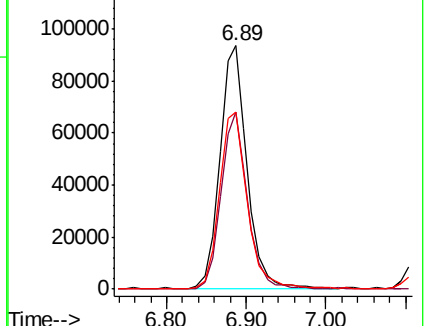
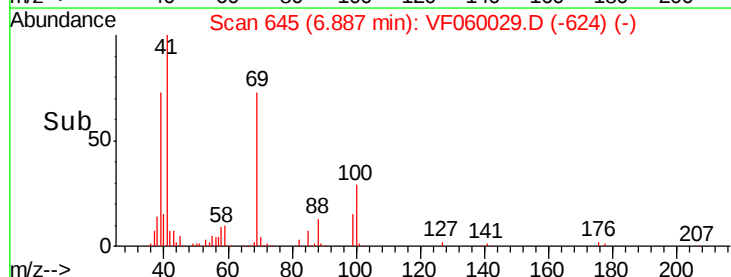
39 73.0 56.5 84.7

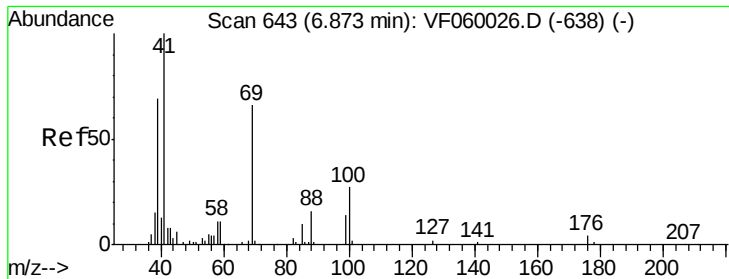


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 3279.733 ug/l

RT: 6.89 min Scan# 645

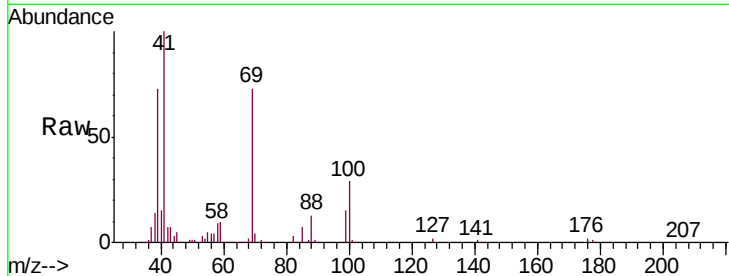
Delta R.T. 0.01 min

Lab File: VF060029.D

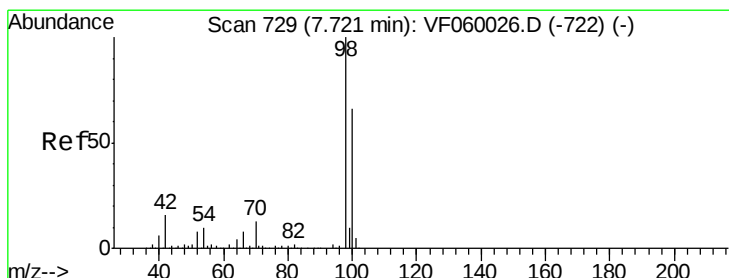
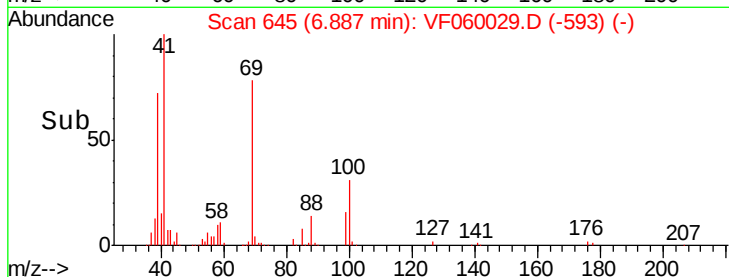
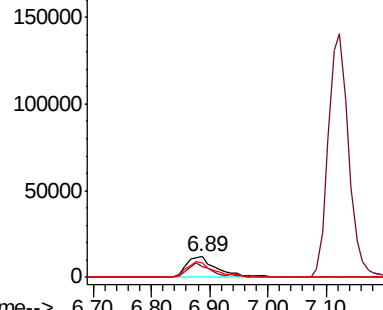
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:	88	Resp:	43518
Ion	Ratio	Lower	Upper
88	100		
43	52.9	46.5	69.7
58	72.2	54.8	82.2



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 130.163 ug/l

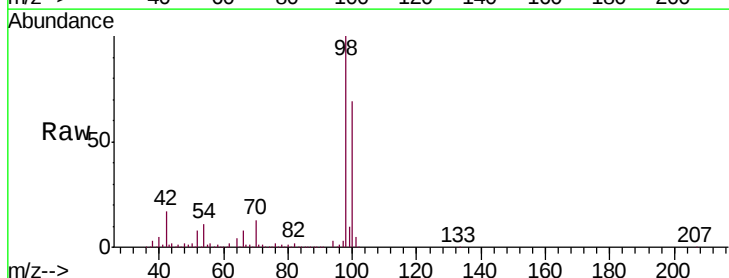
RT: 7.72 min Scan# 730

Delta R.T. 0.00 min

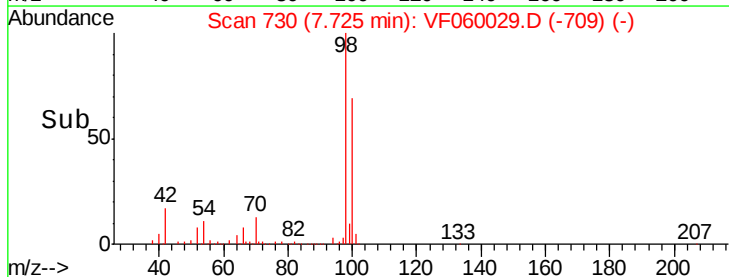
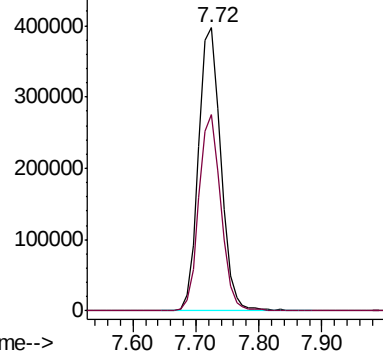
Lab File: VF060029.D

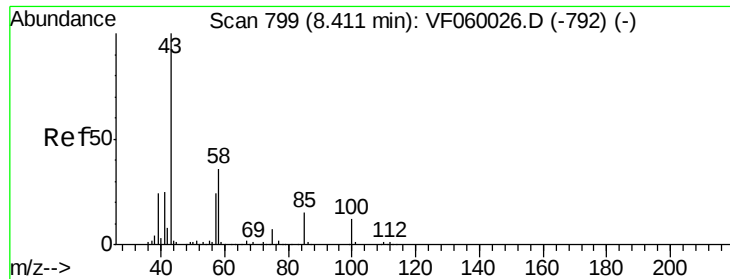
Acq: 21 Aug 2018 19:46

Tgt Ion:	98	Resp:	977059
Ion	Ratio	Lower	Upper
98	100		
100	69.2	53.2	79.8



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





#51

4-Methyl-2-Pentanone

Concen: 589.505 ug/l

RT: 8.41 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

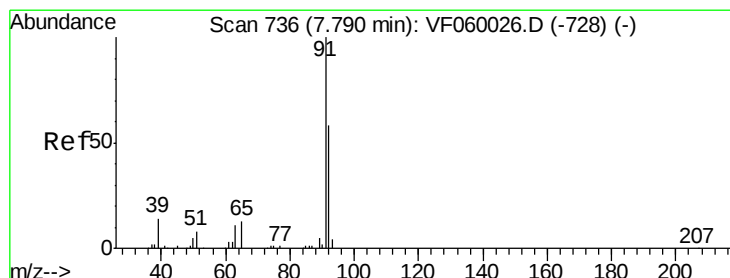
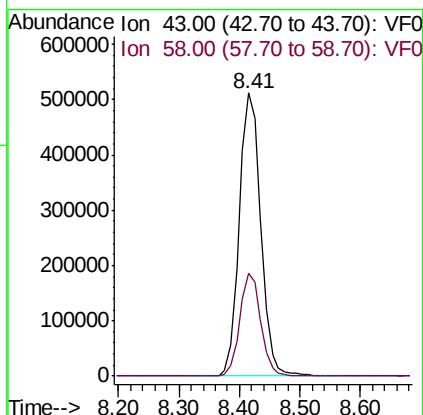
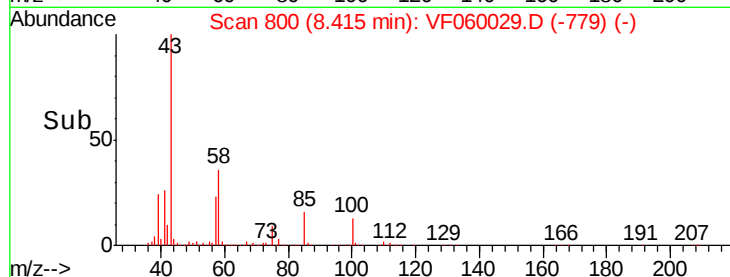
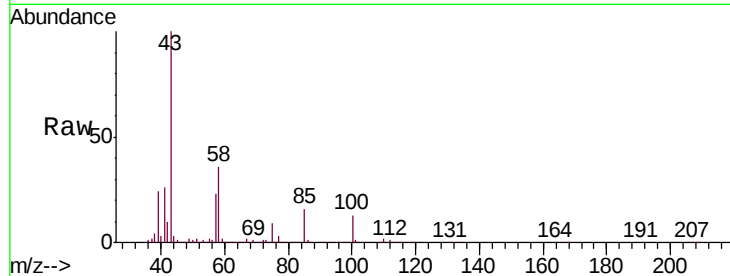
VSTDIC150

Tgt Ion: 43 Resp: 1263253

Ion Ratio Lower Upper

43 100

58 36.2 28.6 42.8



#52

Toluene

Concen: 127.443 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF060029.D

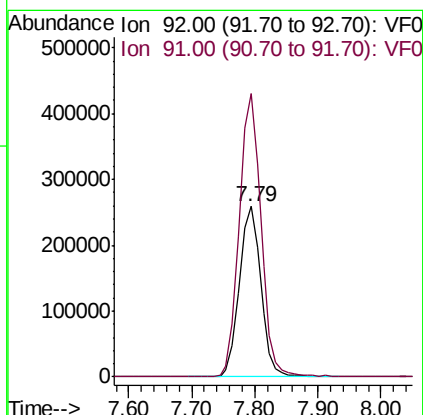
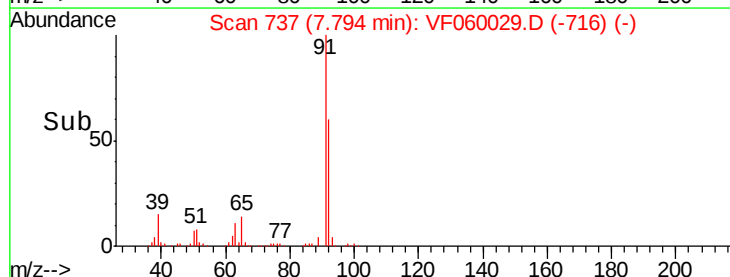
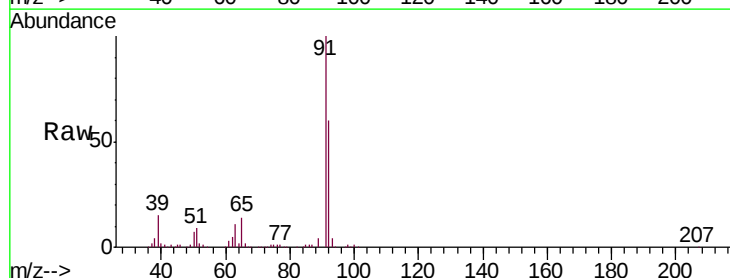
Acq: 21 Aug 2018 19:46

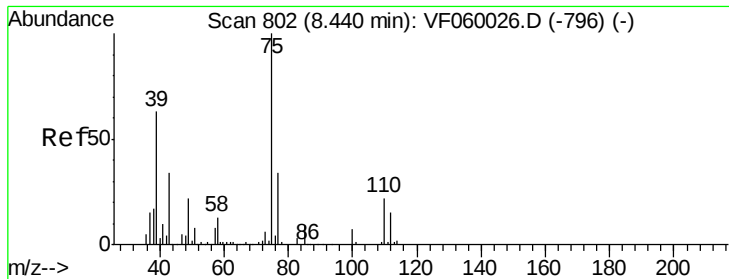
Tgt Ion: 92 Resp: 612469

Ion Ratio Lower Upper

92 100

91 166.0 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 113.606 ug/l

RT: 8.44 min Scan# 803

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

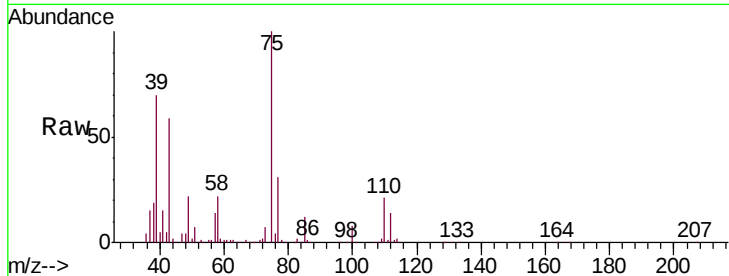
VSTDIC150

Tgt Ion: 75 Resp: 452297

Ion Ratio Lower Upper

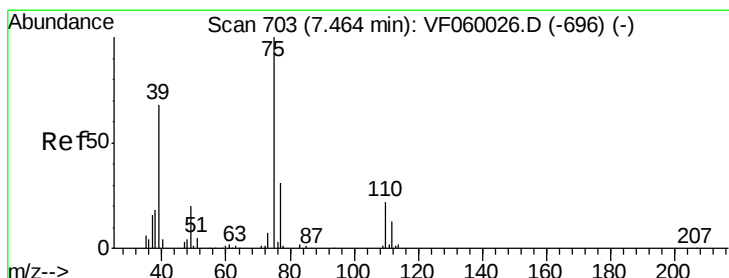
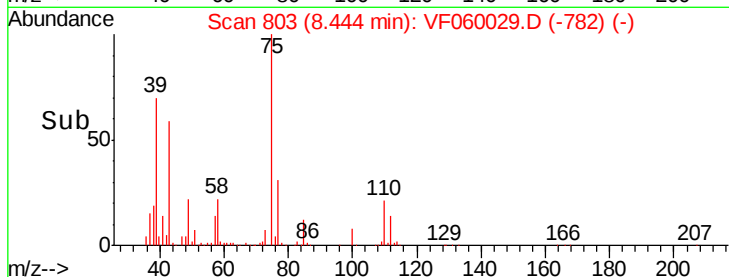
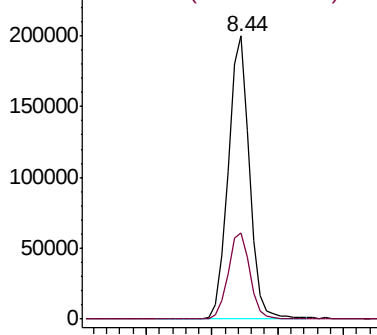
75 100

77 30.6 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 130.195 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

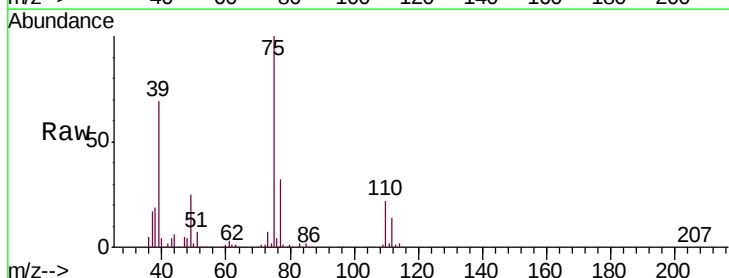
Tgt Ion: 75 Resp: 512230

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0

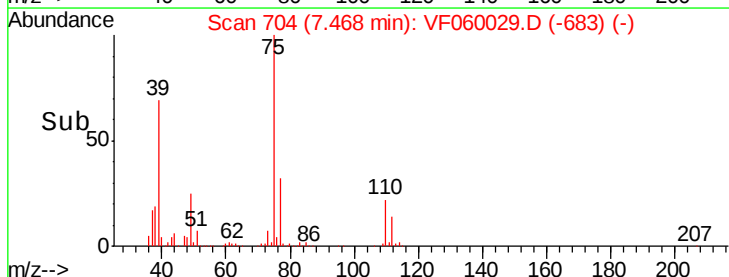
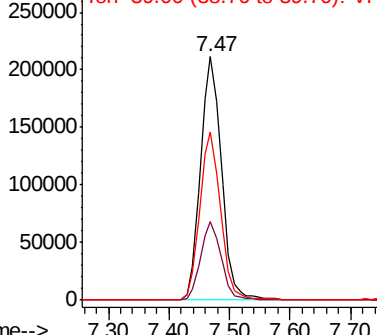
39 69.0 54.6 81.8

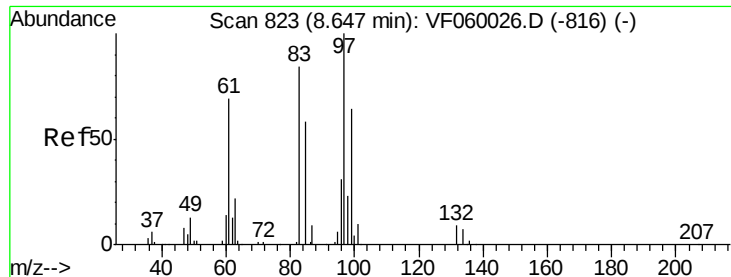


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 136.079 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 261428

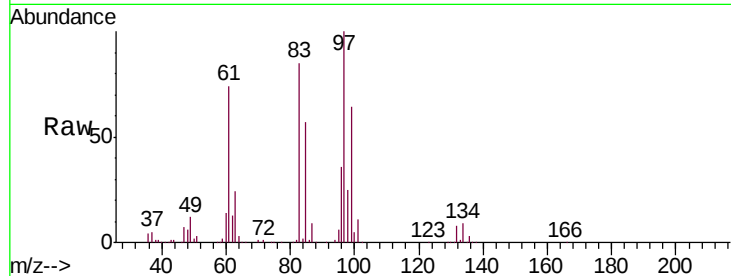
Ion Ratio Lower Upper

97 100

83 84.8 67.4 101.2

85 56.9 46.2 69.2

99 64.2 51.1 76.7

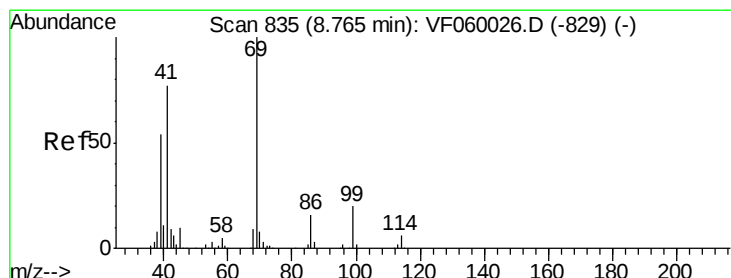
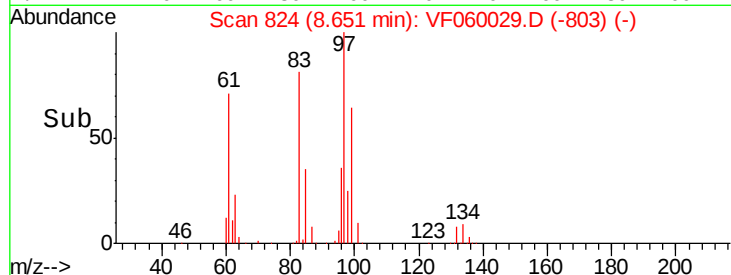
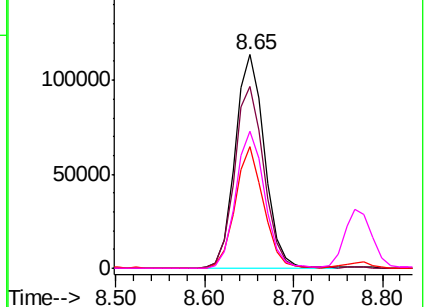


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 146.119 ug/l

RT: 8.77 min Scan# 836

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

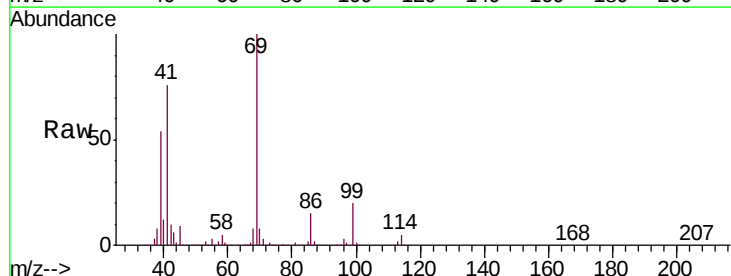
Tgt Ion: 69 Resp: 326841

Ion Ratio Lower Upper

69 100

41 75.6 61.6 92.4

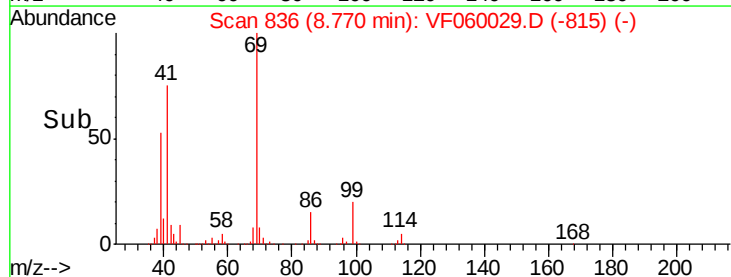
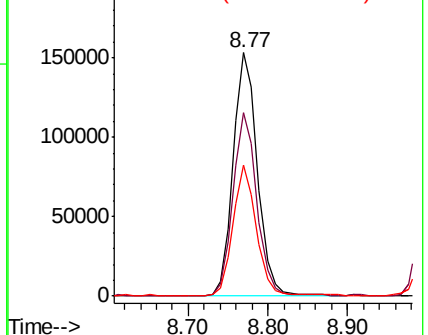
39 53.9 43.9 65.9

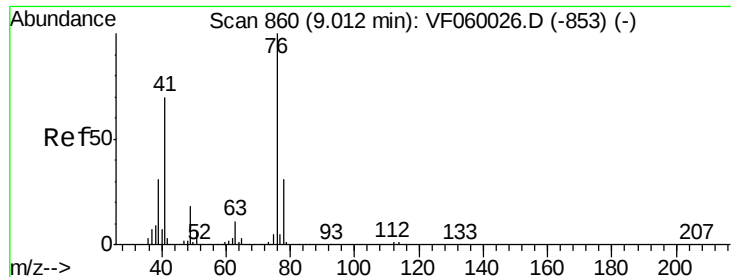


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 128.541 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

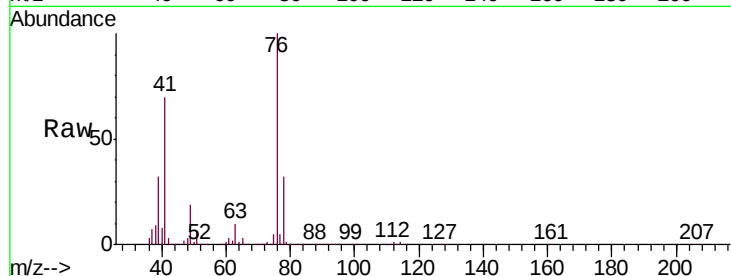
VSTDIC150

Tgt Ion: 76 Resp: 441194

Ion Ratio Lower Upper

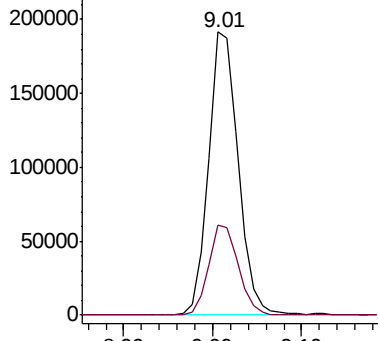
76 100

78 31.9 25.2 37.8

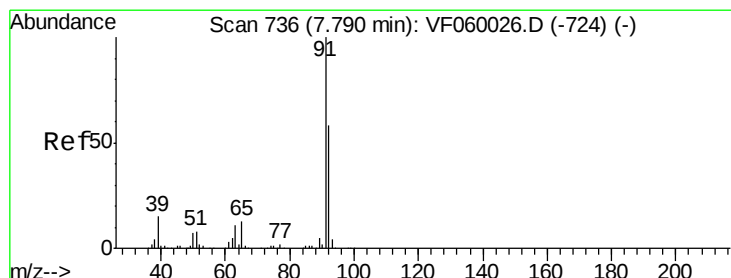
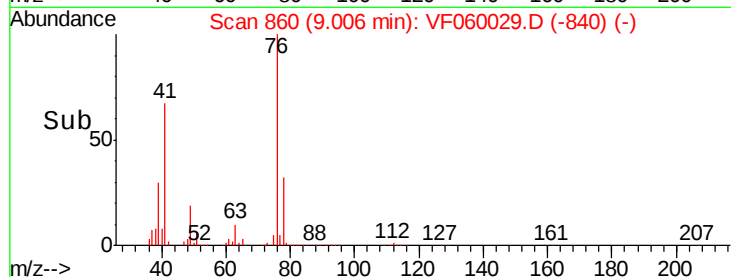


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 612.439 ug/l

RT: 7.79 min Scan# 737

Delta R.T. 0.00 min

Lab File: VF060029.D

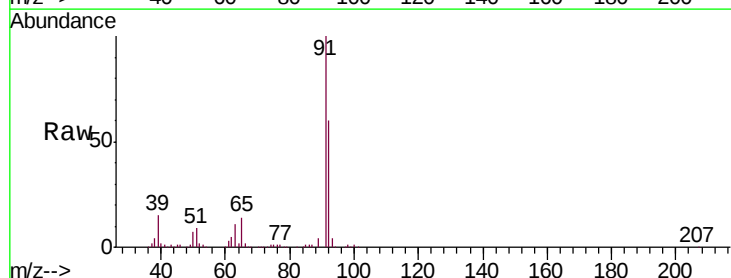
Acq: 21 Aug 2018 19:46

Tgt Ion: 63 Resp: 108734

Ion Ratio Lower Upper

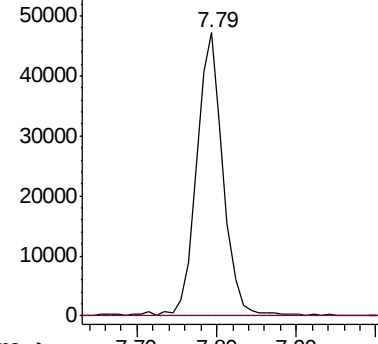
63 100

106 0.0 0.0 0.0

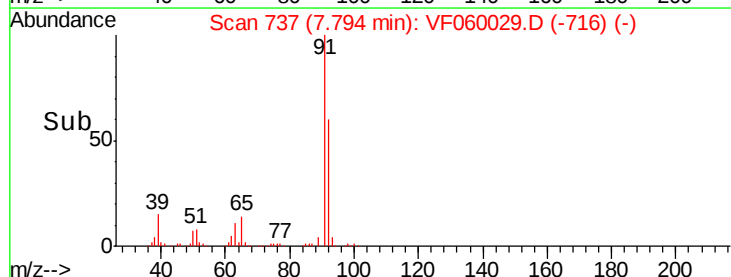


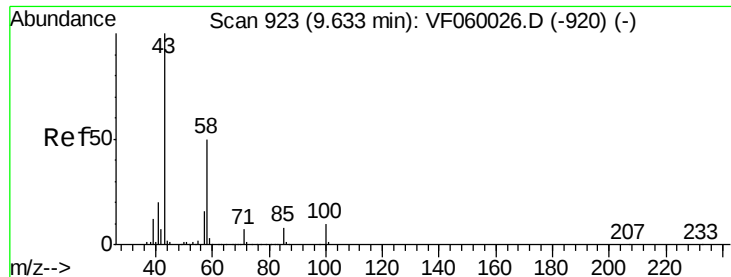
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->

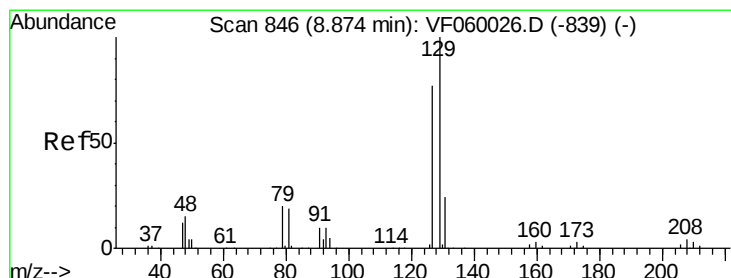
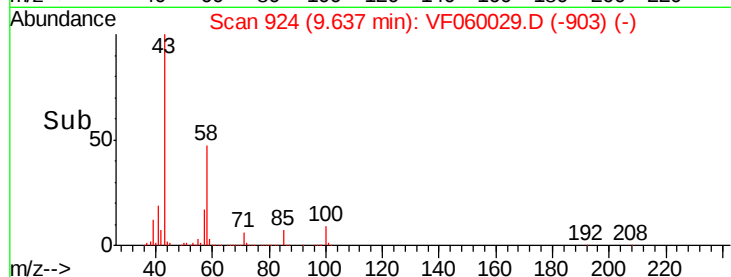
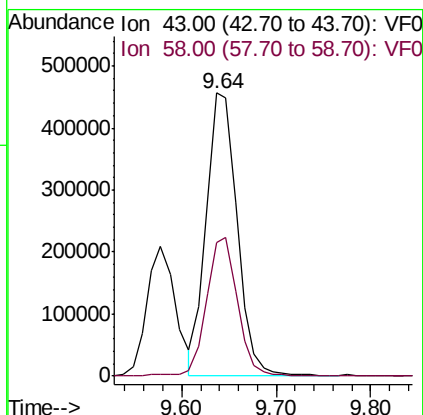
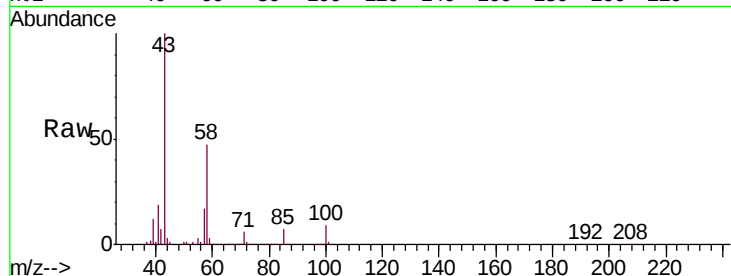




#59
2-Hexanone
Concen: 584.361 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

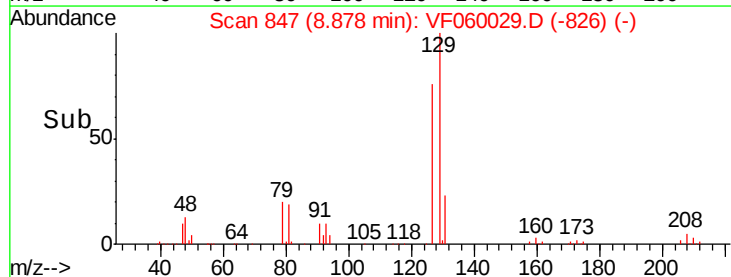
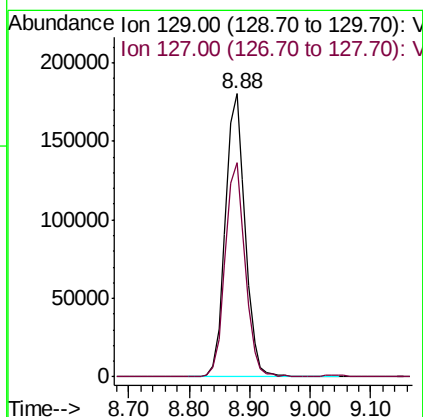
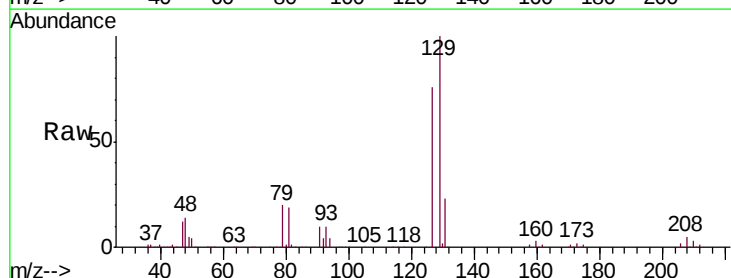
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

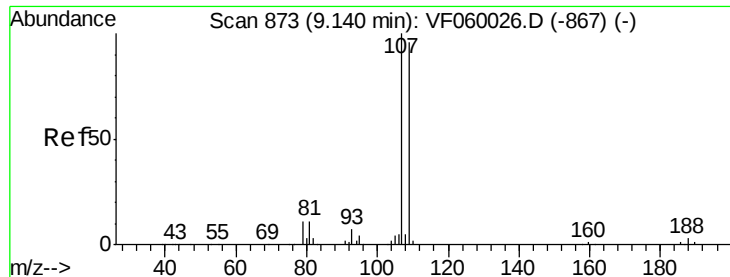
Tgt Ion: 43 Resp: 1035364
Ion Ratio Lower Upper
43 100
58 47.2 23.4 70.2



#60
Dibromochloromethane
Concen: 121.323 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion: 129 Resp: 410260
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8

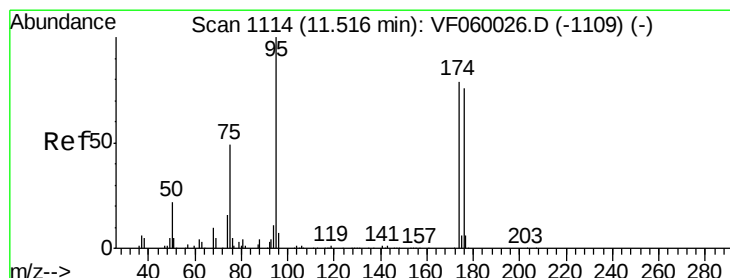
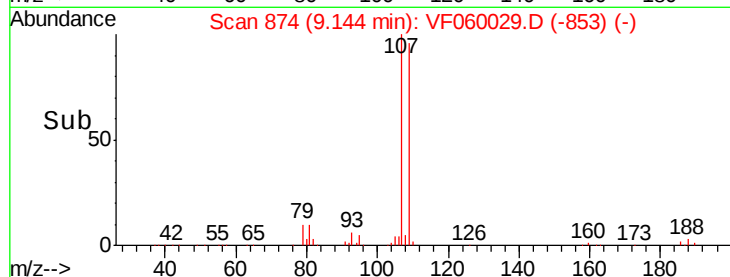
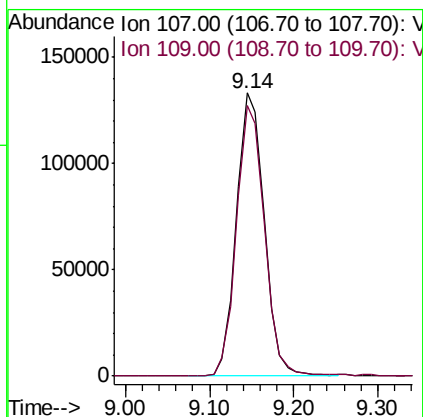
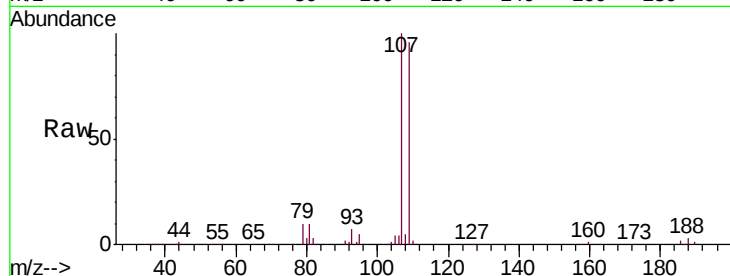




#61
 1,2-Dibromoethane
 Concen: 130.257 ug/l
 RT: 9.14 min Scan# 874
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

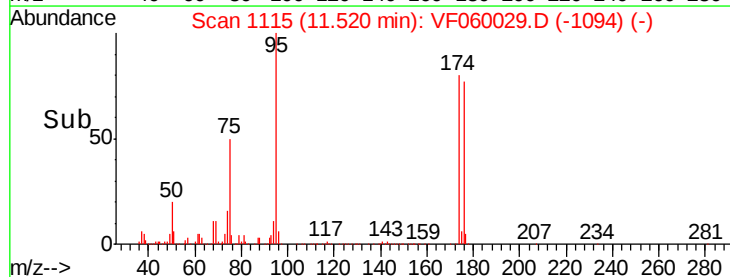
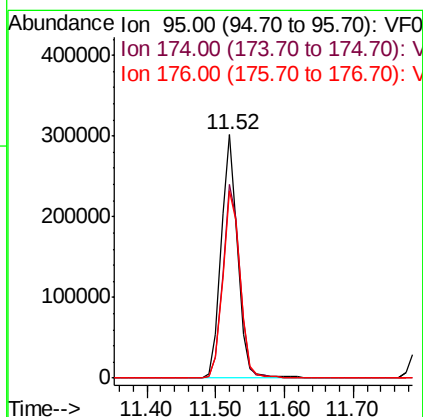
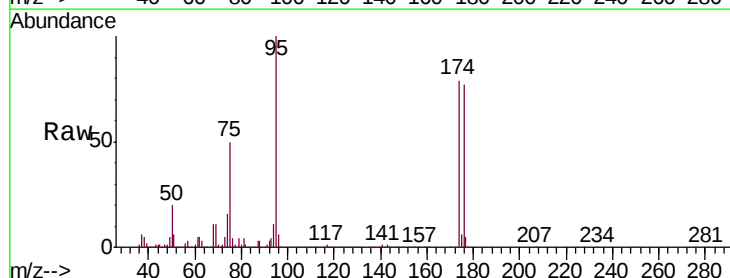
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

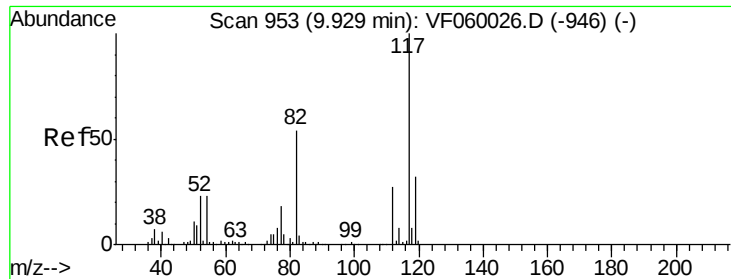
Tgt Ion: 107 Resp: 307574
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 111.215 ug/l
 RT: 11.52 min Scan# 1115
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion: 95 Resp: 499460
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 158.4
 176 77.0 0.0 153.0

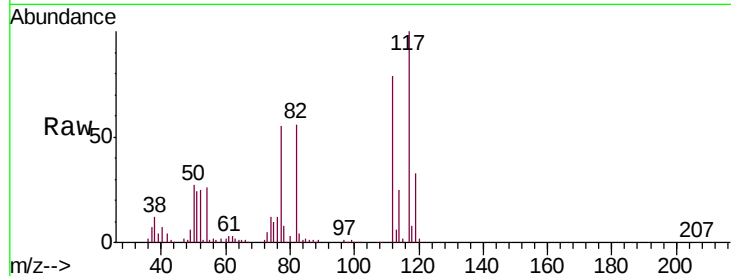




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.6	65.4
119	33.5	25.6	38.4

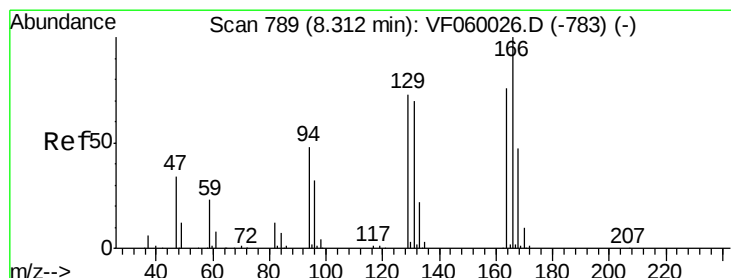
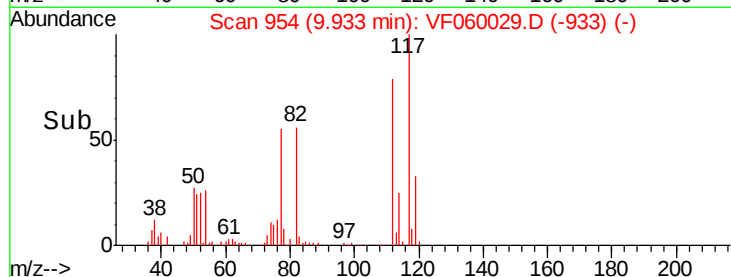
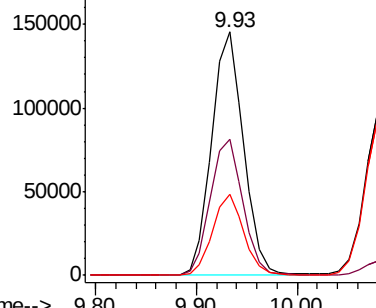


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 120.525 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	104.7	157.1
129	97.0	77.0	115.4
131	94.3	72.9	109.3

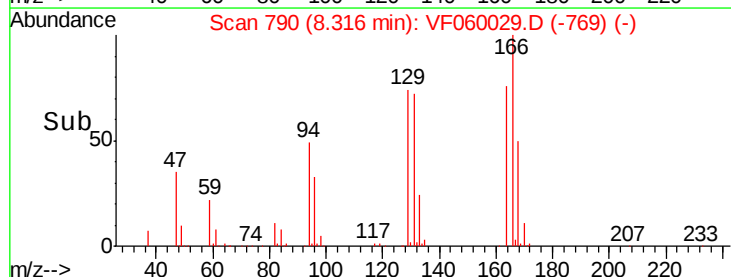
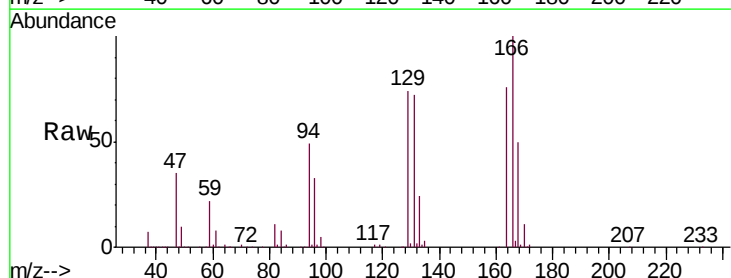
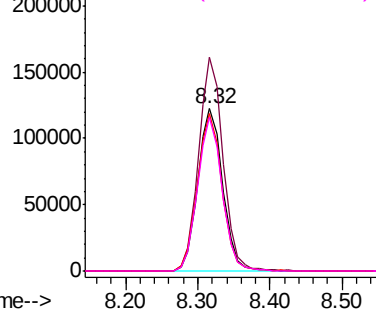
Abundance

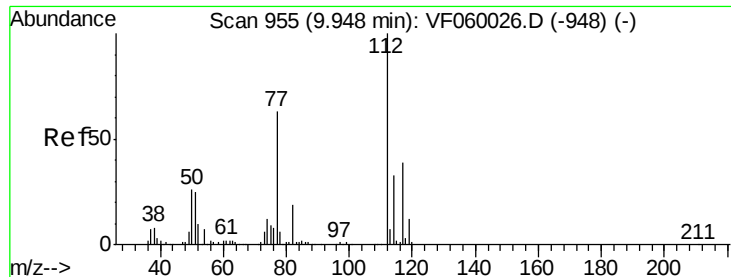
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

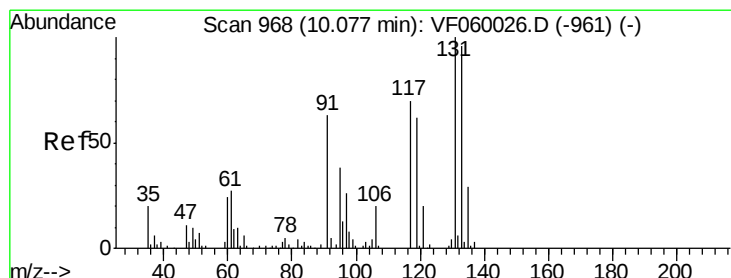
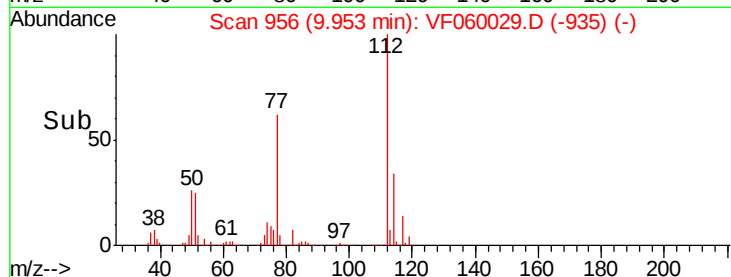
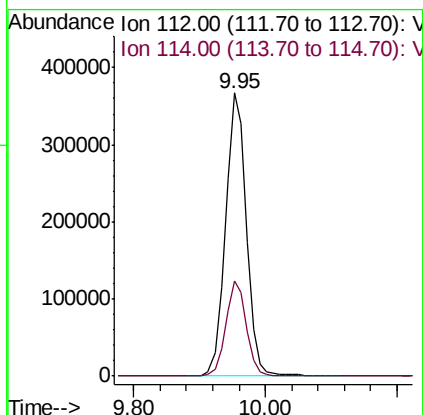
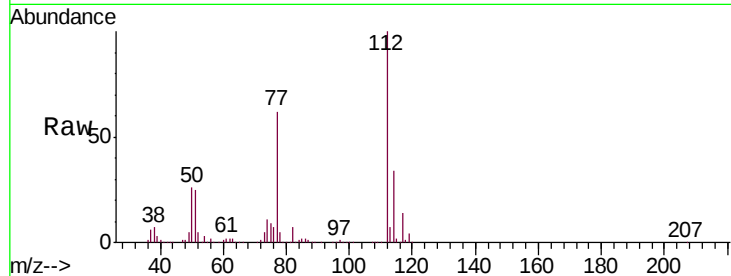




#65
Chlorobenzene
Concen: 128.724 ug/l
RT: 9.95 min Scan# 956
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

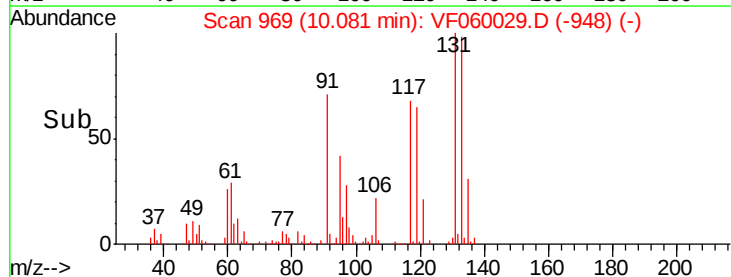
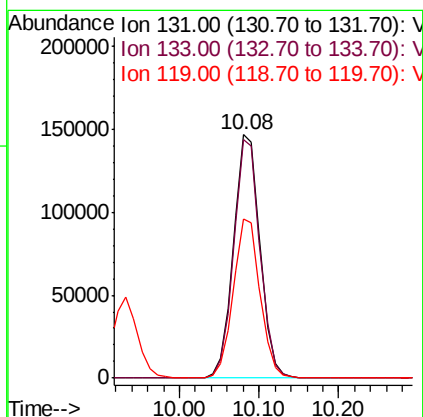
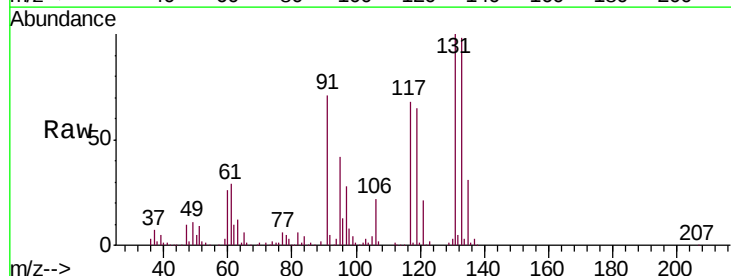
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

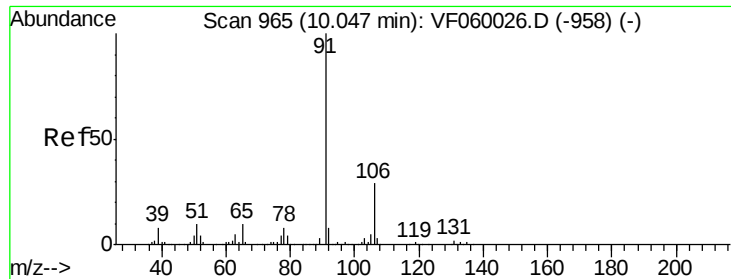
Tgt Ion:112 Resp: 812785
Ion Ratio Lower Upper
112 100
114 33.7 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 120.820 ug/l
RT: 10.08 min Scan# 969
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion:131 Resp: 341269
Ion Ratio Lower Upper
131 100
133 97.8 48.2 144.6
119 65.4 31.4 94.2





#67

Ethyl Benzene

Concen: 123.759 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

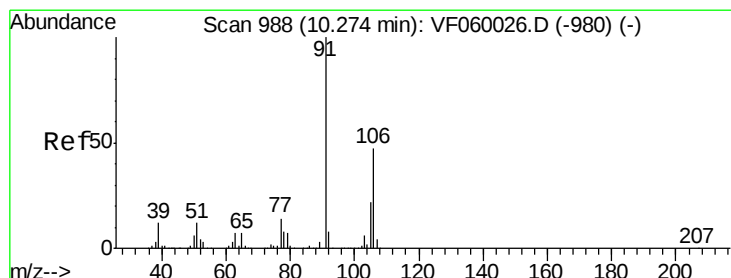
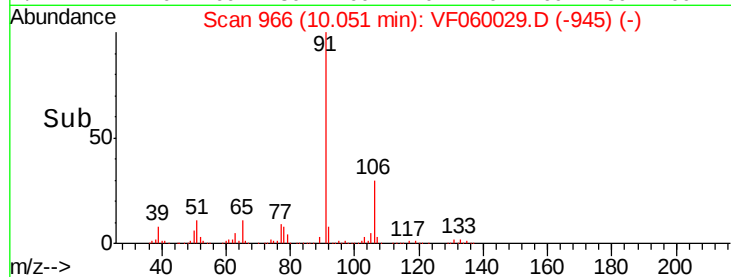
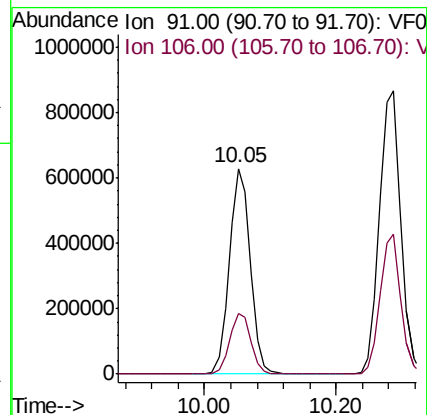
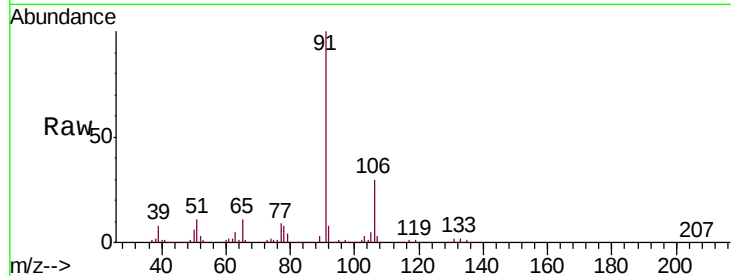
VSTDIC150

Tgt Ion: 91 Resp: 1406952

Ion Ratio Lower Upper

91 100

106 29.8 23.6 35.4



#68

m/p-Xylenes

Concen: 235.737 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.01 min

Lab File: VF060029.D

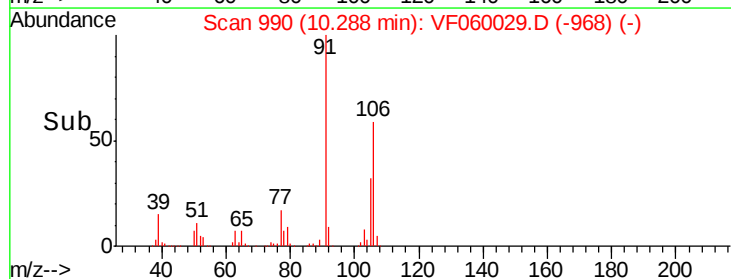
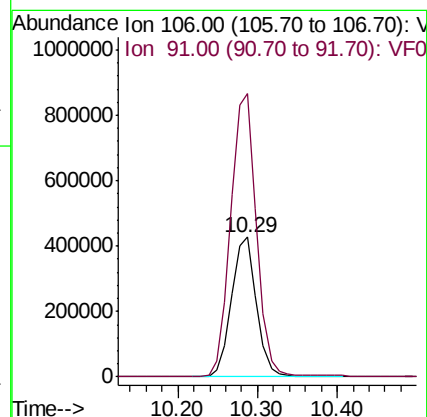
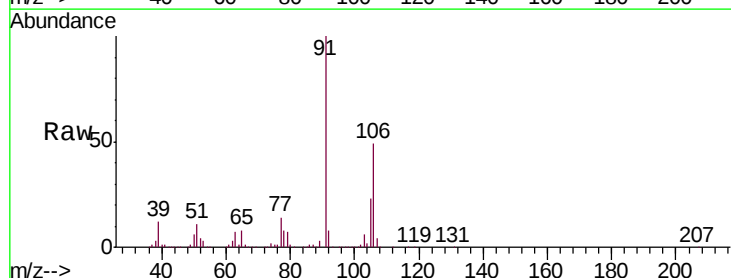
Acq: 21 Aug 2018 19:46

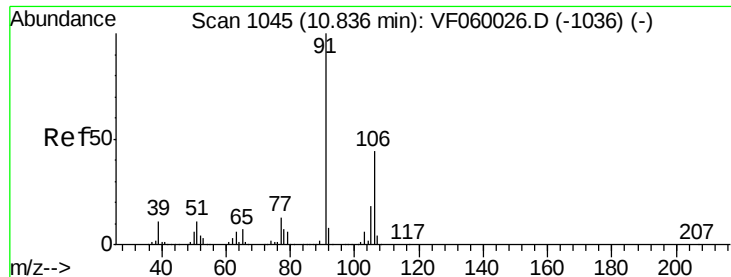
Tgt Ion: 106 Resp: 944346

Ion Ratio Lower Upper

106 100

91 202.4 171.8 257.8

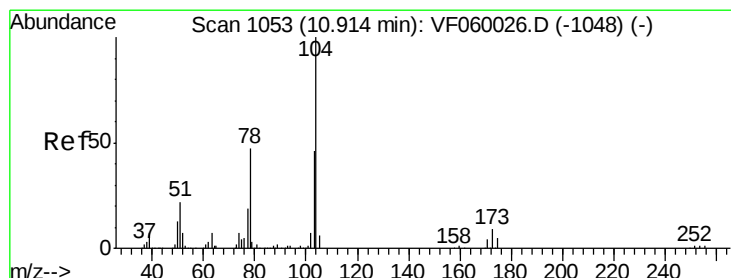
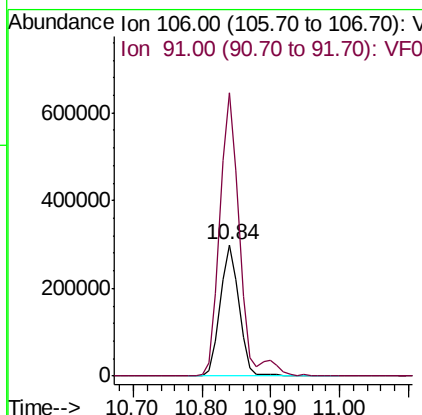
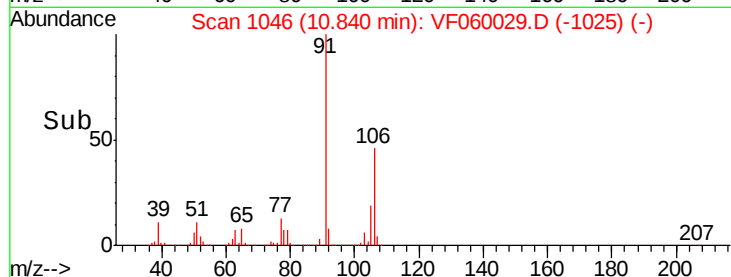
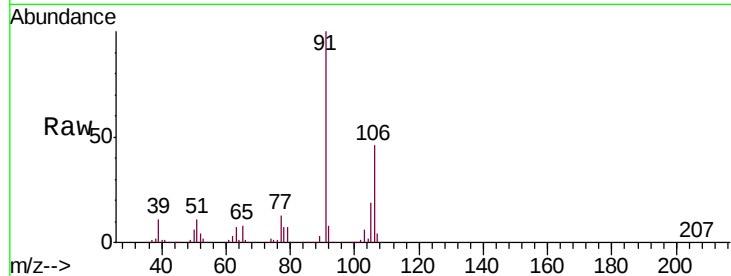




#69
o-Xylene
Concen: 137.885 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

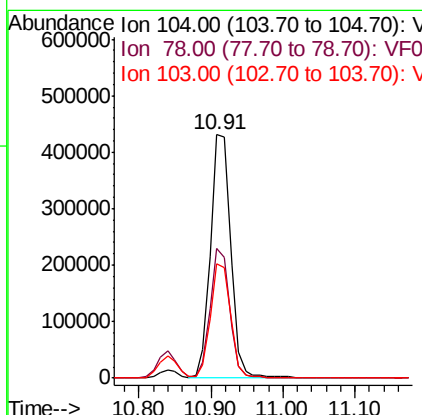
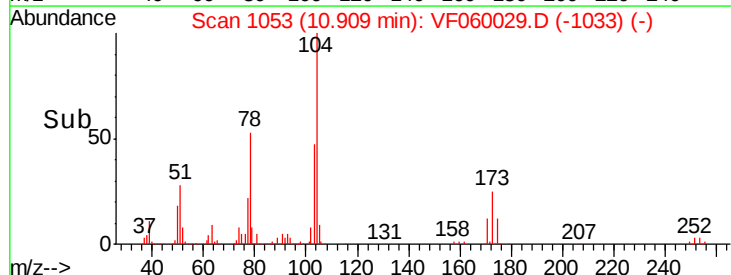
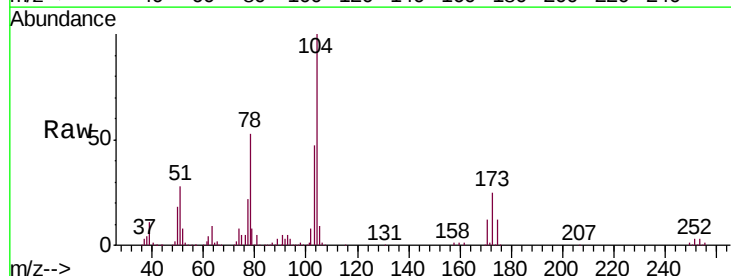
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 565266
Ion Ratio Lower Upper
106 100
91 215.4 112.5 337.5



#70
Styrene
Concen: 127.149 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF060029.D
Acq: 21 Aug 2018 19:46

Tgt Ion:104 Resp: 831472
Ion Ratio Lower Upper
104 100
78 53.1 38.0 57.0
103 47.2 37.6 56.4





#71

Bromoform

Concen: 119.886 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

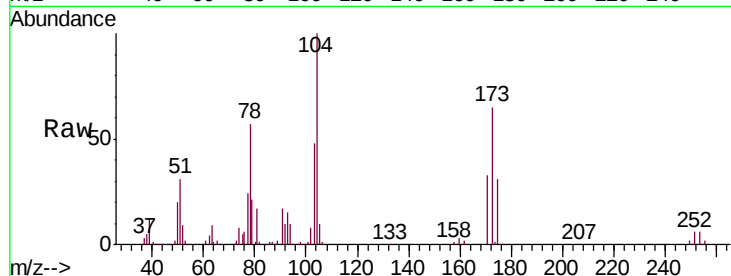
Tgt Ion:173 Resp: 249937

Ion Ratio Lower Upper

173 100

175 48.6 24.7 74.1

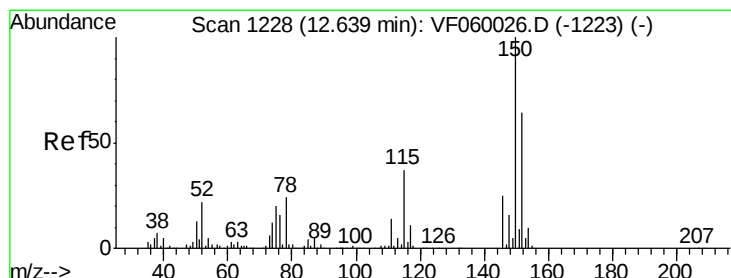
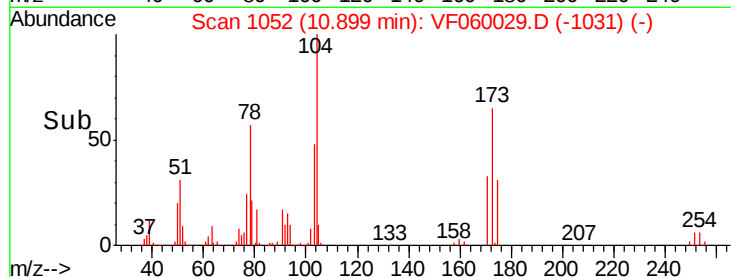
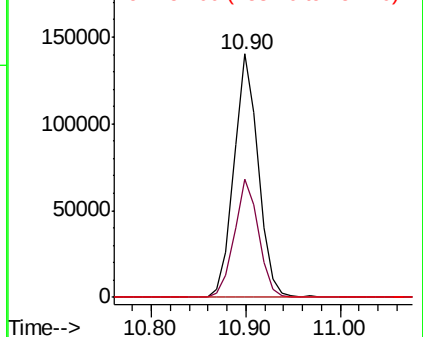
254 0.0 0.0 0.0



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: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

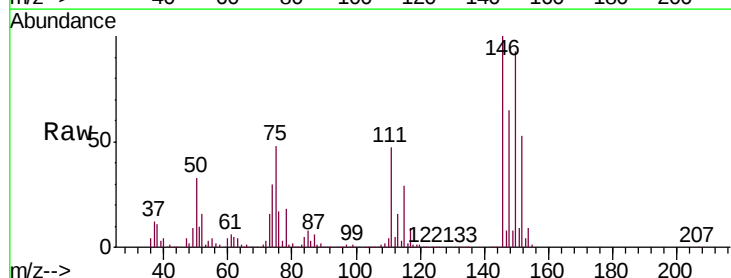
Tgt Ion:152 Resp: 194637

Ion Ratio Lower Upper

152 100

115 54.7 28.6 85.9

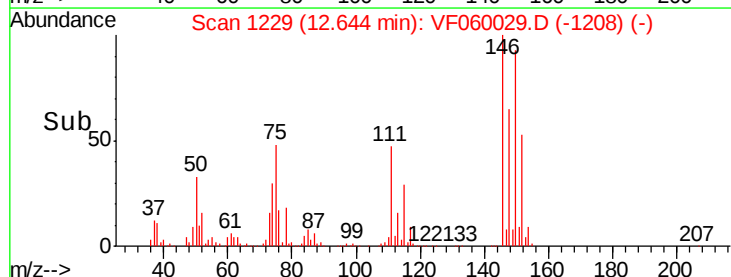
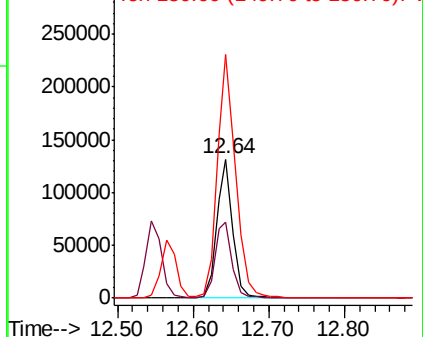
150 175.6 0.0 312.0

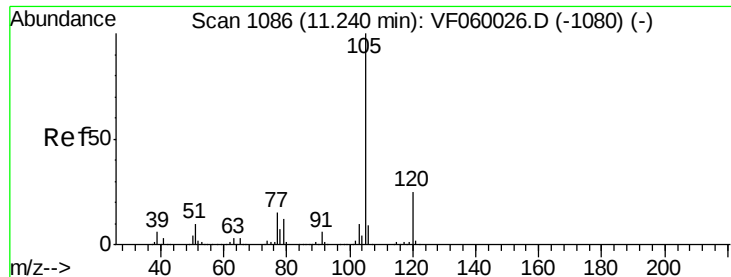


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 129.856 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

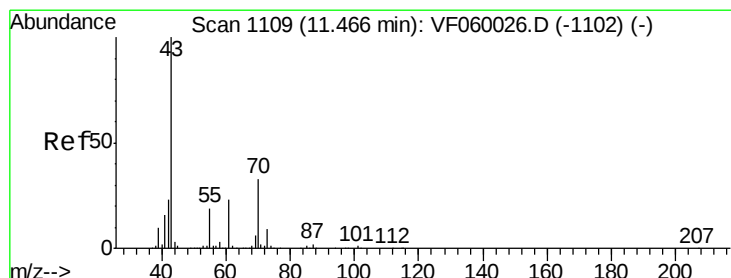
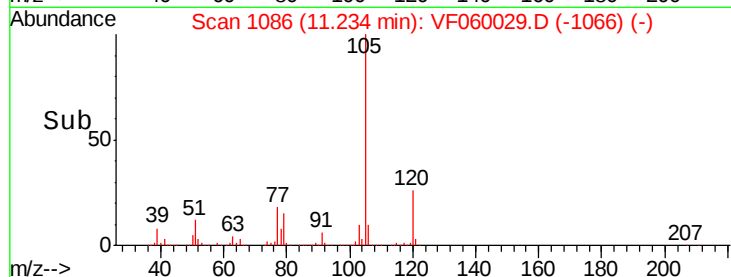
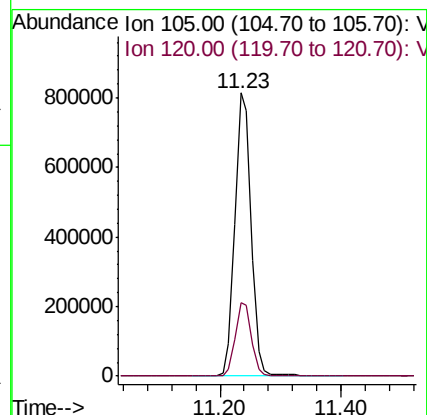
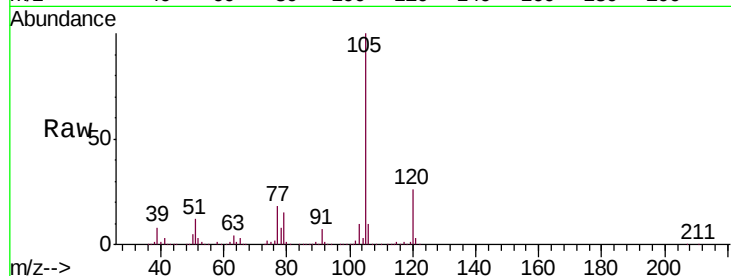
VSTDIC150

Tgt Ion:105 Resp: 1521068

Ion Ratio Lower Upper

105 100

120 26.0 12.7 38.0



#74

N-ethyl acetate

Concen: 159.296 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Tgt Ion: 43 Resp: 538312

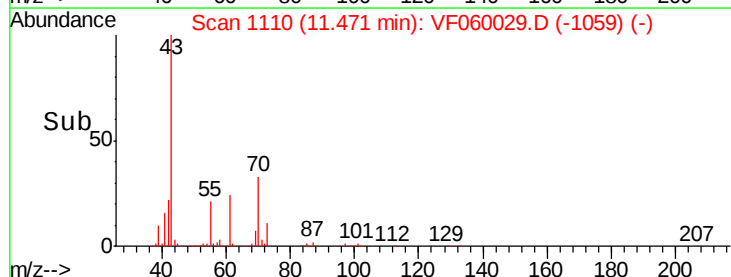
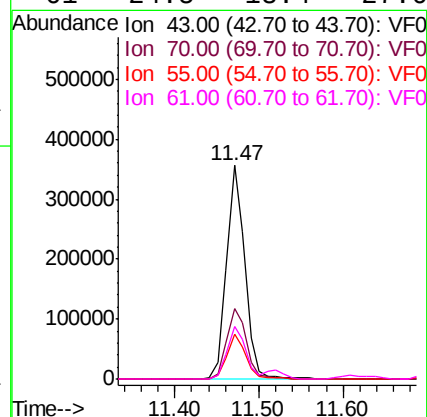
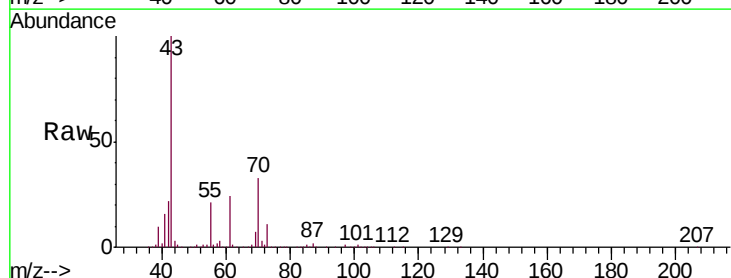
Ion Ratio Lower Upper

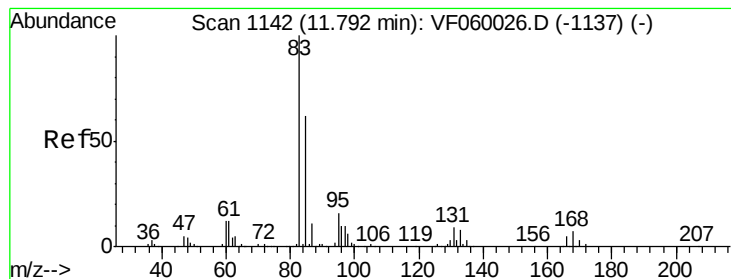
43 100

70 32.9 26.4 39.6

55 20.9 15.0 22.4

61 24.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 150.755 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

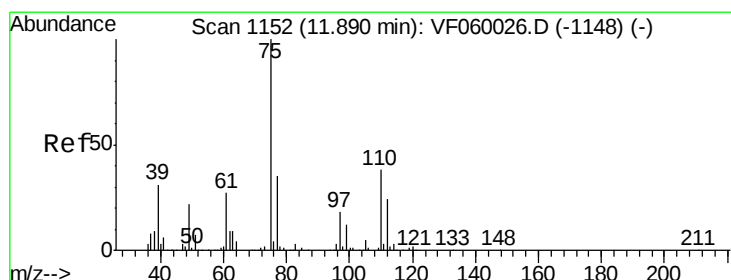
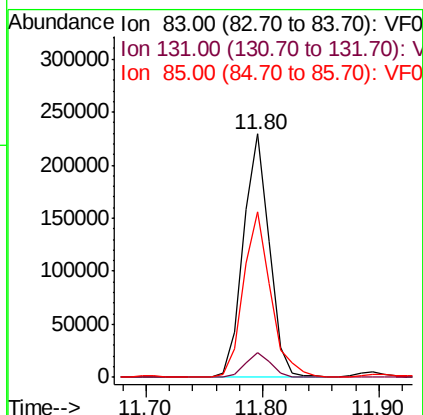
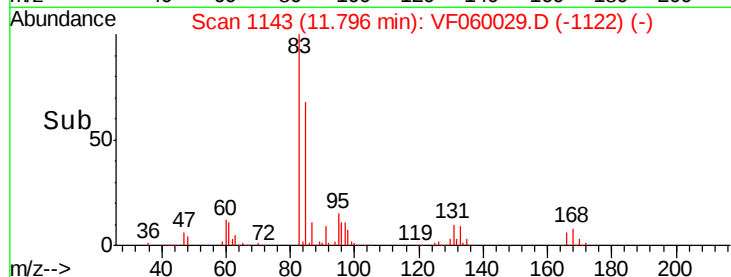
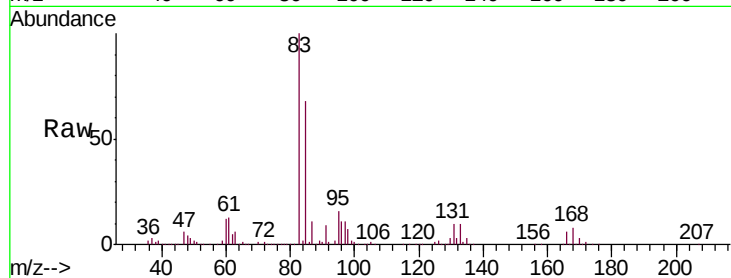
Tgt Ion: 83 Resp: 354986

Ion Ratio Lower Upper

83 100

131 10.2 4.5 13.7

85 68.2 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 130.131 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF060029.D

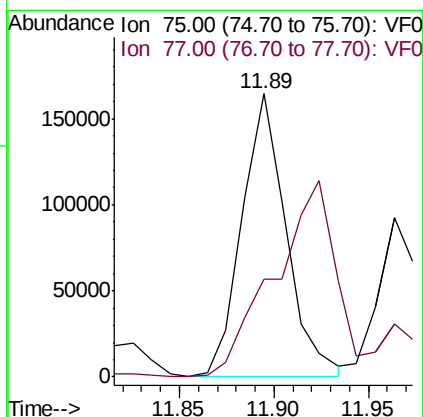
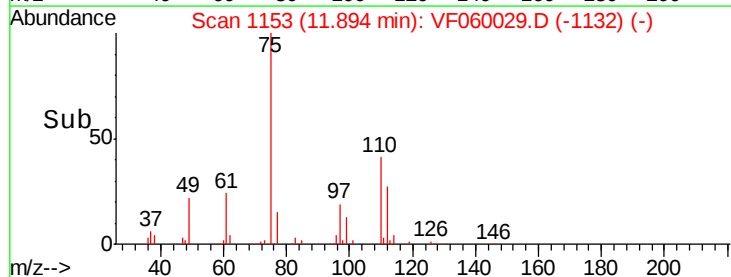
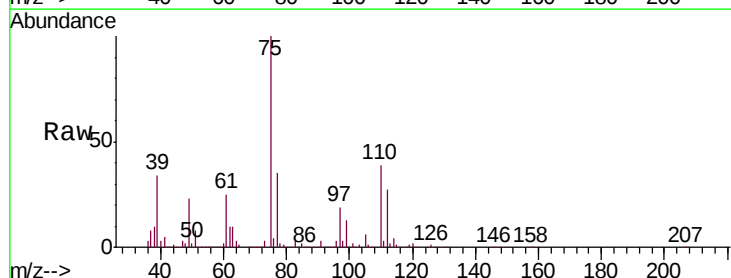
Acq: 21 Aug 2018 19:46

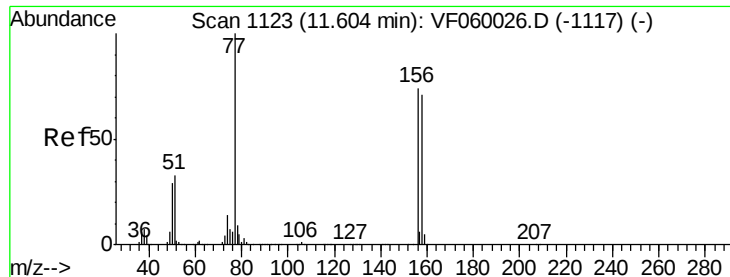
Tgt Ion: 75 Resp: 263831

Ion Ratio Lower Upper

75 100

77 34.6 17.3 52.0





#77

Bromobenzene

Concen: 128.394 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

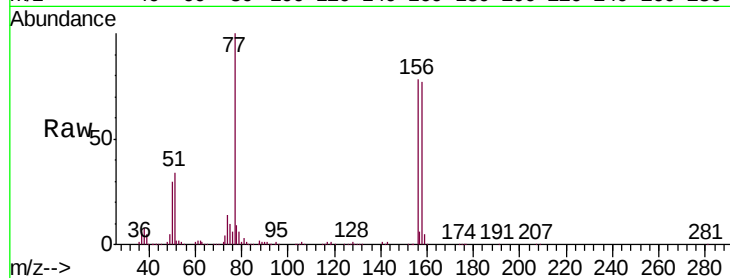
Tgt Ion:156 Resp: 418077

Ion Ratio Lower Upper

156 100

77 128.3 68.0 204.0

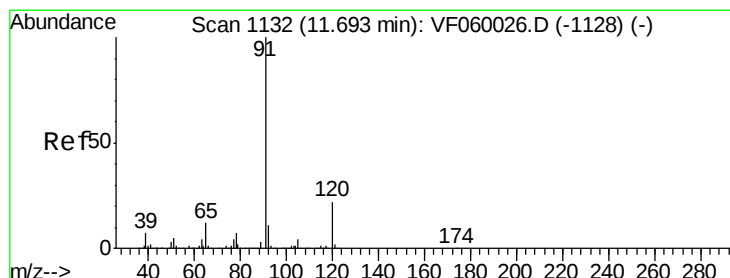
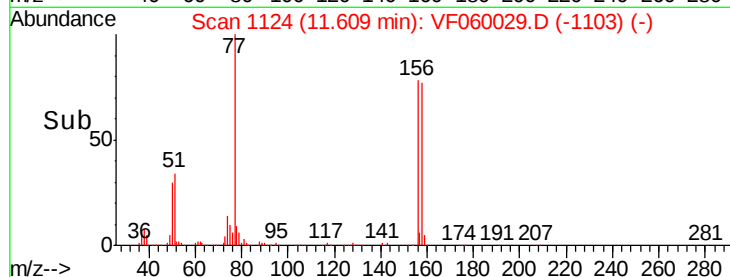
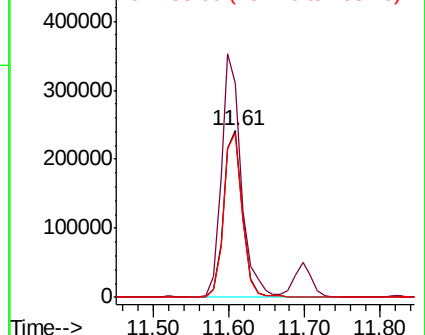
158 98.7 48.4 145.3



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: 121.919 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF060029.D

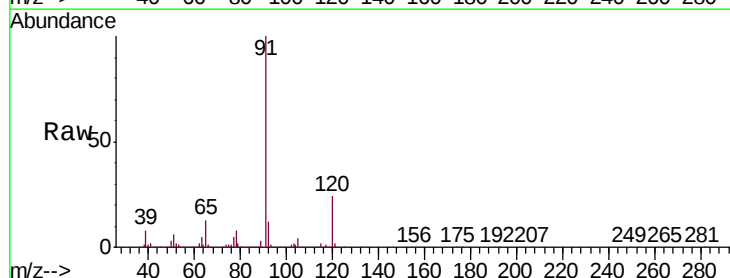
Acq: 21 Aug 2018 19:46

Tgt Ion: 91 Resp: 1777312

Ion Ratio Lower Upper

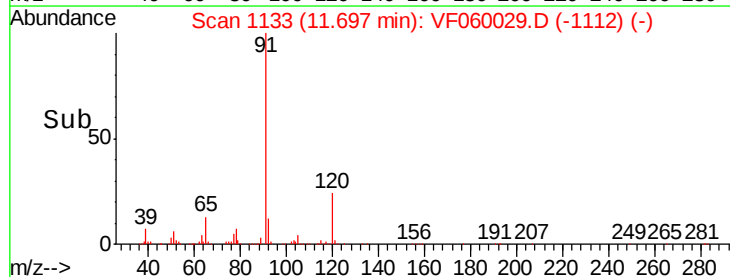
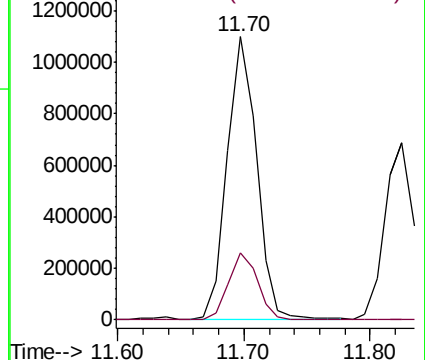
91 100

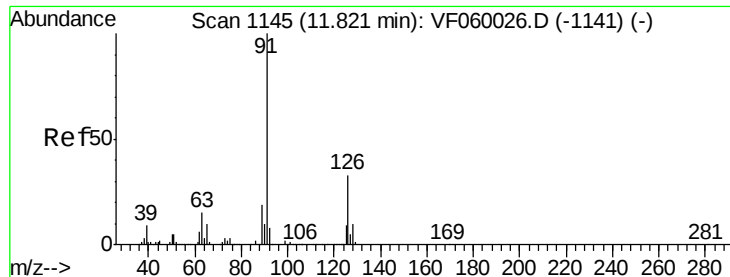
120 23.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 126.076 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

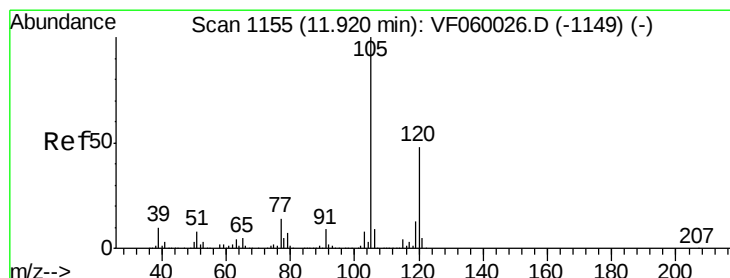
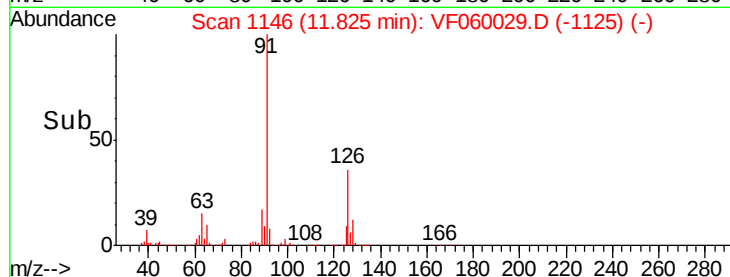
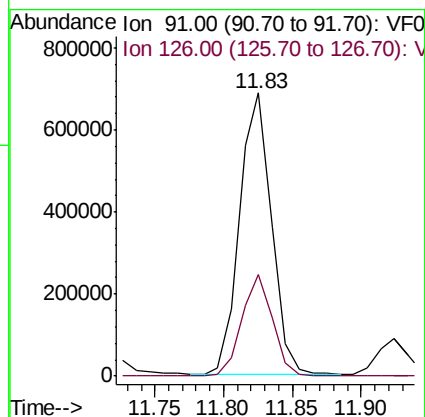
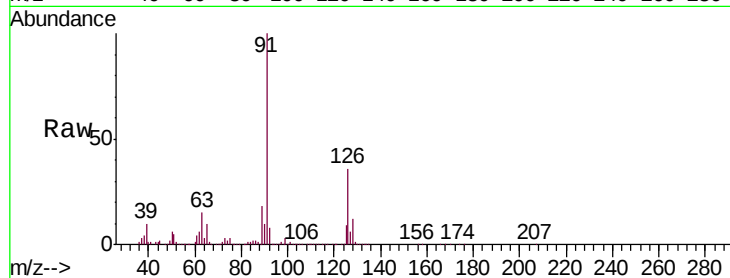
VSTDIC150

Tgt Ion: 91 Resp: 1102303

Ion Ratio Lower Upper

91 100

126 36.0 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 120.456 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF060029.D

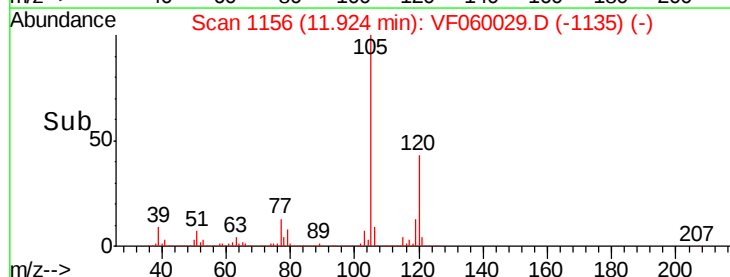
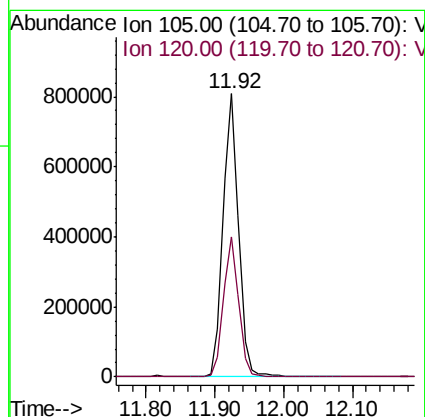
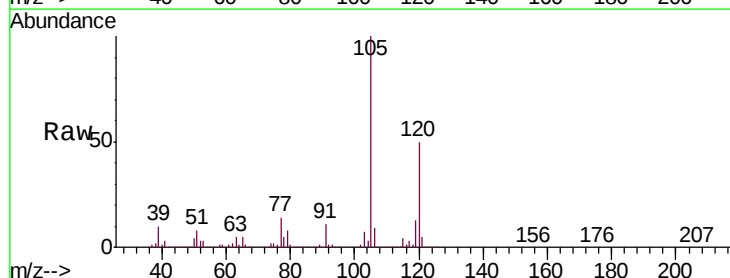
Acq: 21 Aug 2018 19:46

Tgt Ion: 105 Resp: 1266409

Ion Ratio Lower Upper

105 100

120 49.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 207.259 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

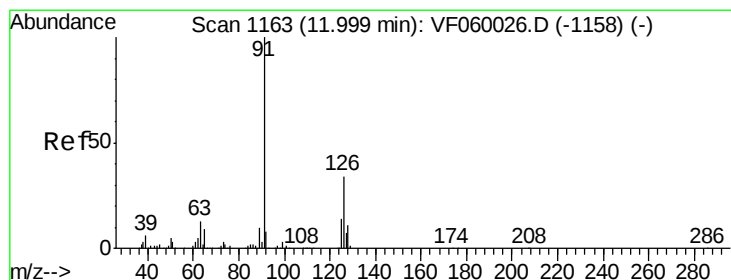
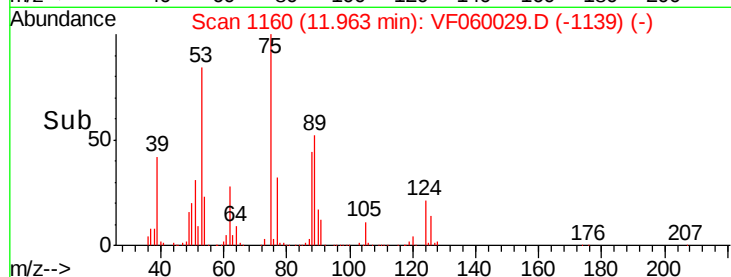
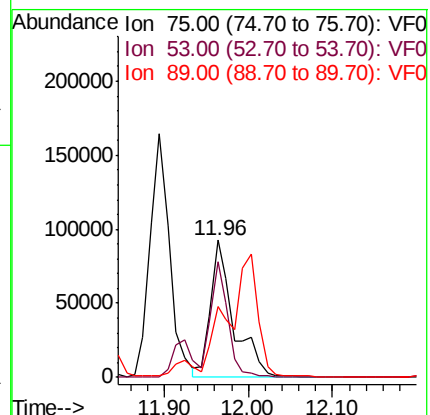
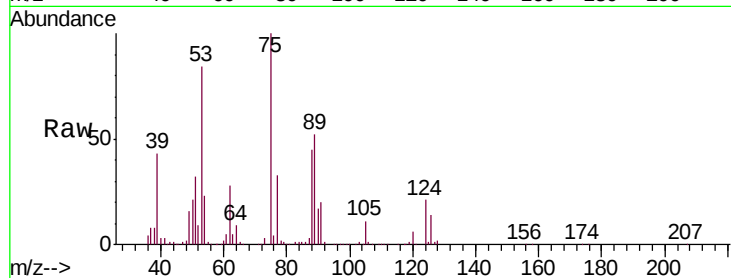
Tgt Ion: 75 Resp: 177285

Ion Ratio Lower Upper

75 100

53 83.9 66.2 99.4

89 51.9 42.8 64.2



#82

4-Chlorotoluene

Concen: 124.350 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VF060029.D

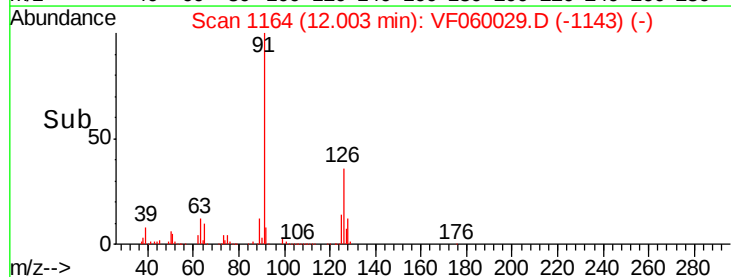
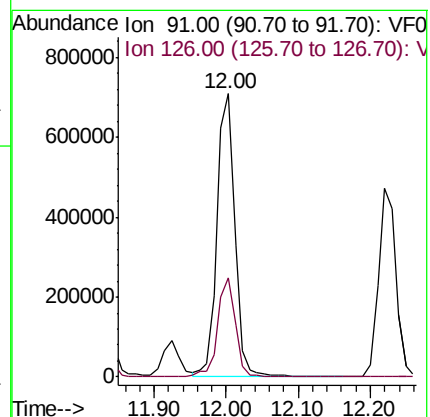
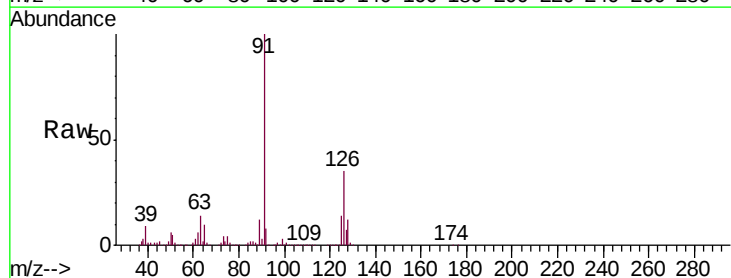
Acq: 21 Aug 2018 19:46

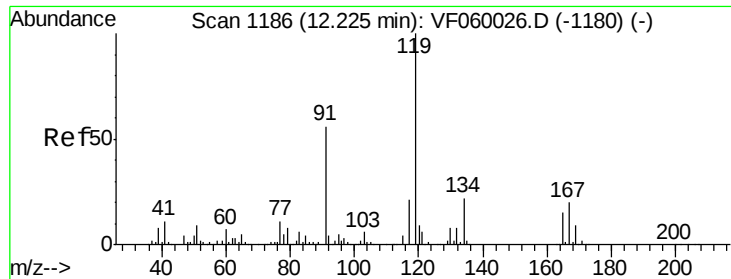
Tgt Ion: 91 Resp: 1189680

Ion Ratio Lower Upper

91 100

126 35.2 17.0 50.9

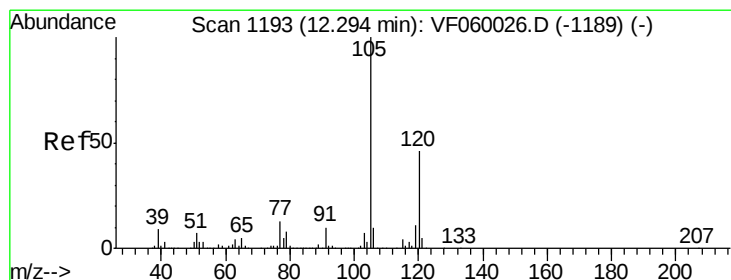
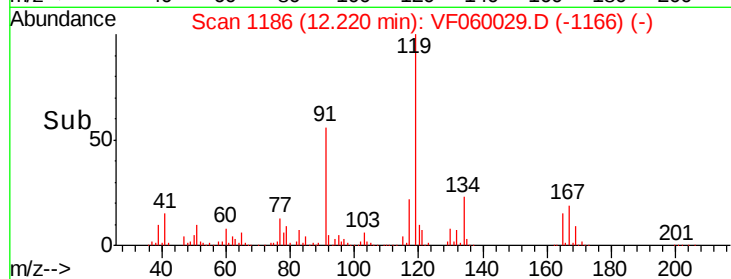
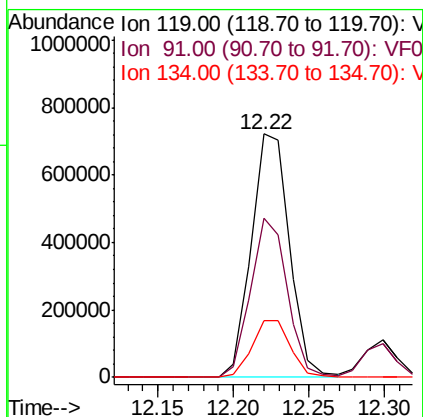
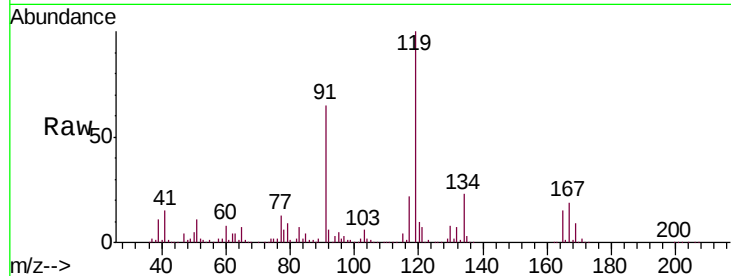




#83
 tert-Butylbenzene
 Concen: 124.109 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

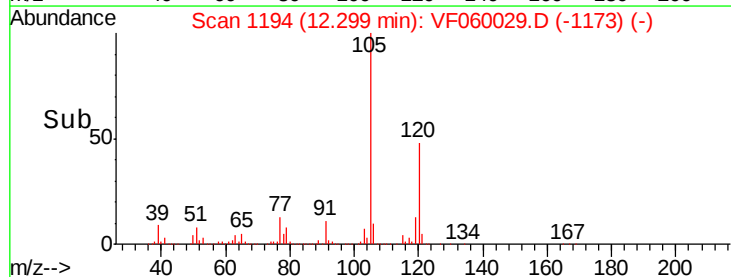
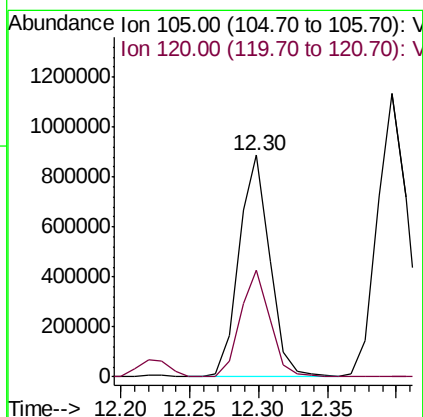
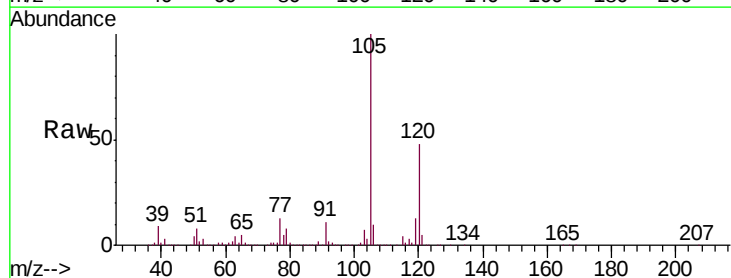
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

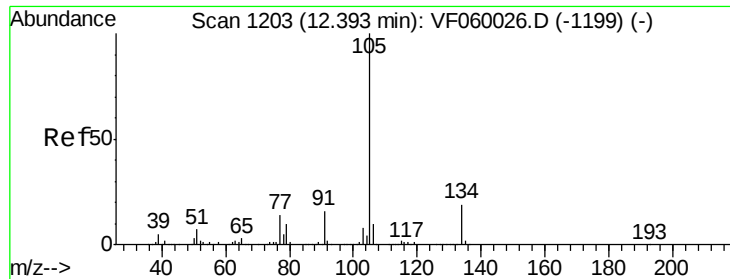
Tgt Ion:119 Resp: 1275825
 Ion Ratio Lower Upper
 119 100
 91 65.3 28.1 84.3
 134 23.1 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 124.740 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion:105 Resp: 1378546
 Ion Ratio Lower Upper
 105 100
 120 48.2 23.3 69.8

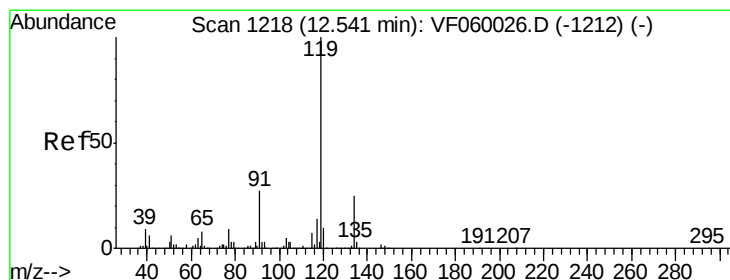
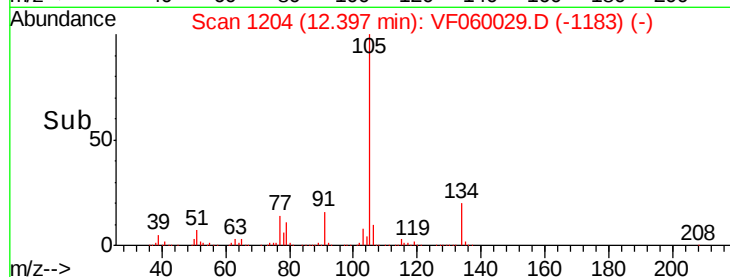
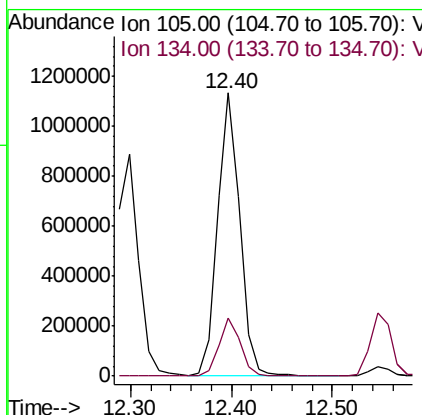
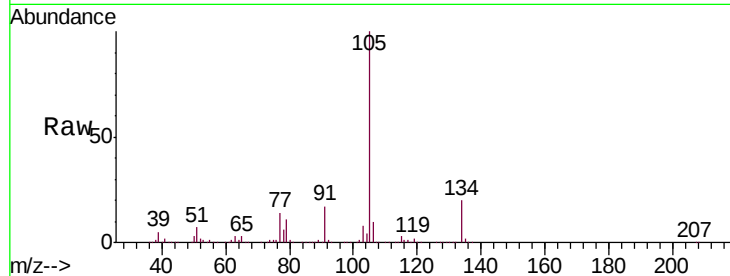




#85
 sec-Butylbenzene
 Concen: 127.058 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

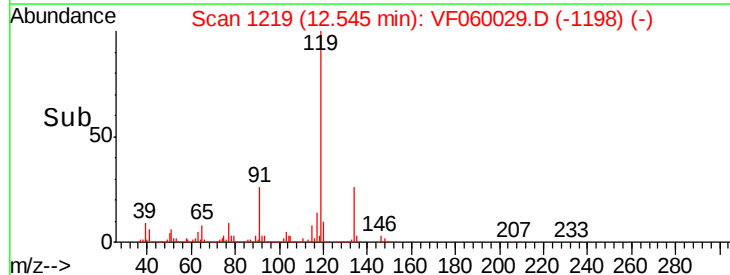
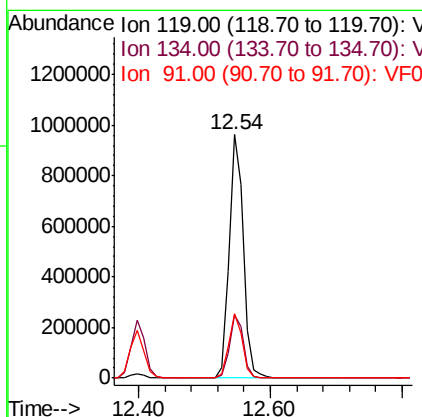
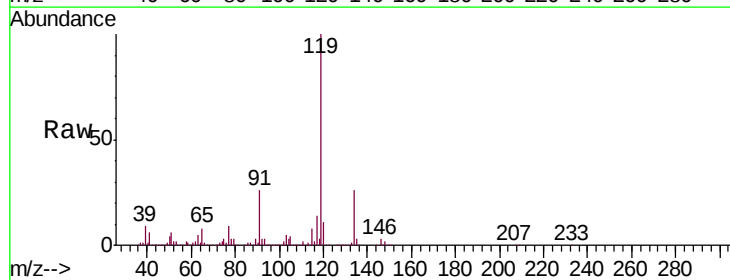
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

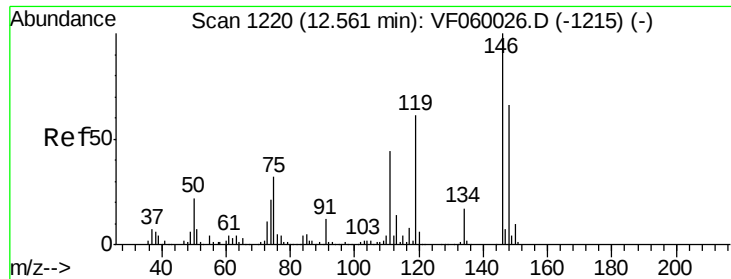
Tgt Ion:105 Resp: 1743180
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 119.689 ug/l
 RT: 12.54 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion:119 Resp: 1452030
 Ion Ratio Lower Upper
 119 100
 134 26.1 12.4 37.2
 91 26.4 13.5 40.4

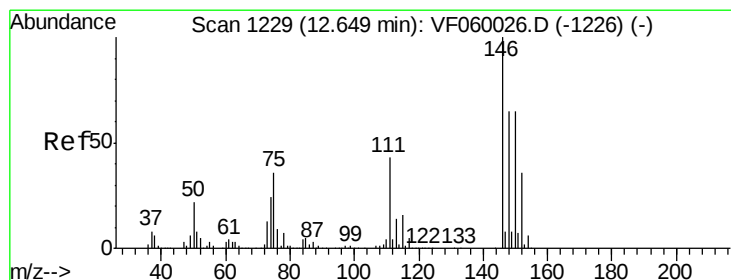
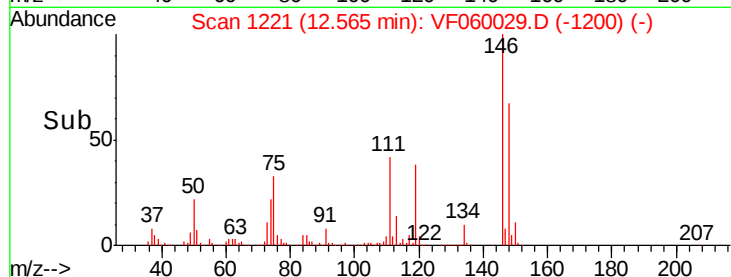
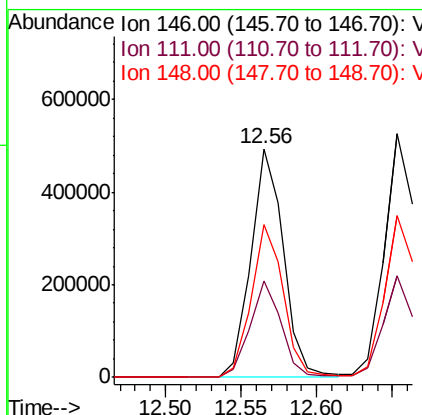
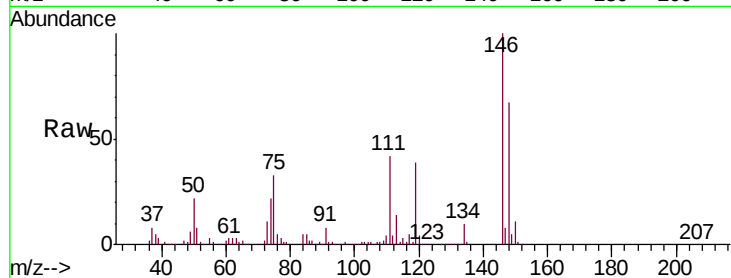




#87
 1,3-Dichlorobenzene
 Concen: 119.714 ug/l
 RT: 12.56 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

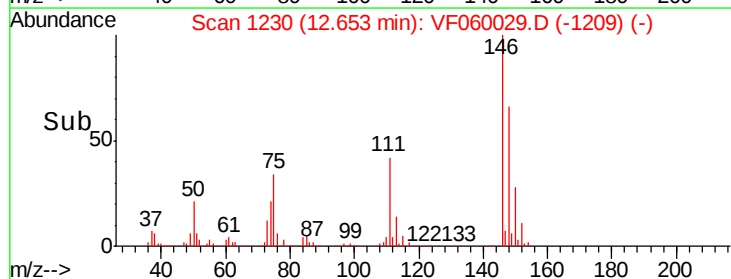
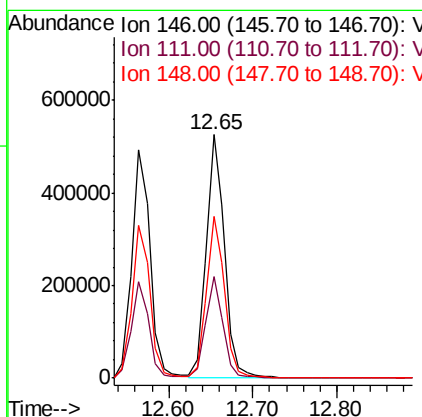
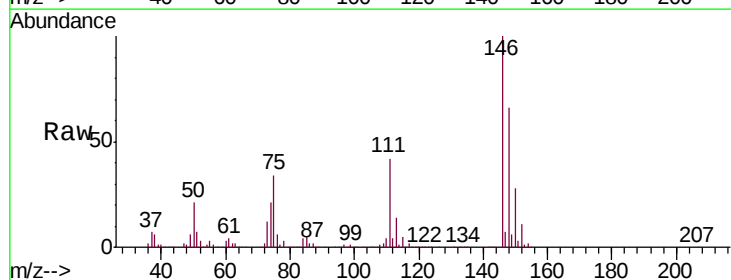
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

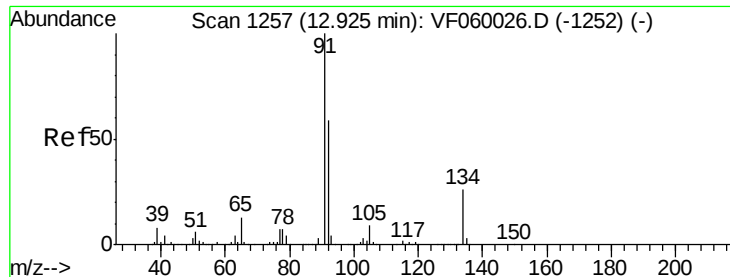
Tgt Ion:146 Resp: 744207
 Ion Ratio Lower Upper
 146 100
 111 42.4 21.9 65.5
 148 66.9 32.9 98.7



#88
 1,4-Dichlorobenzene
 Concen: 130.255 ug/l
 RT: 12.65 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion:146 Resp: 786629
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.6 64.8
 148 66.4 32.3 96.8





#89

n-Butylbenzene

Concen: 122.415 ug/l

RT: 12.93 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

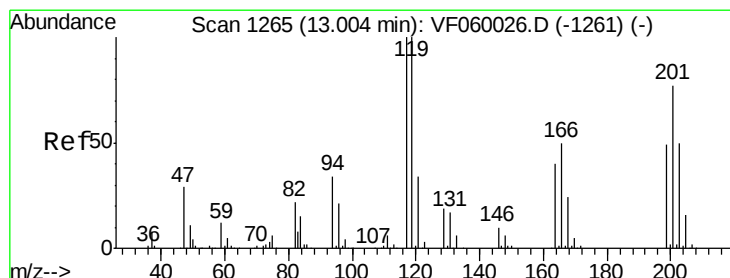
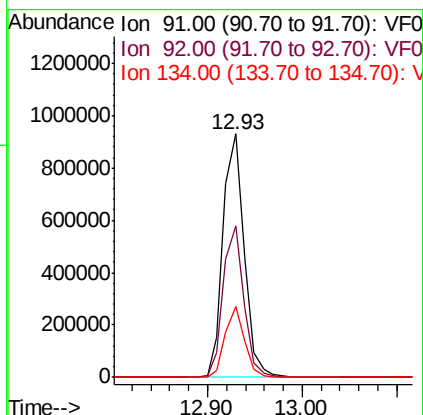
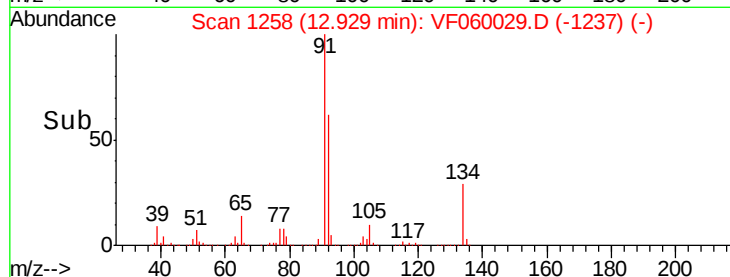
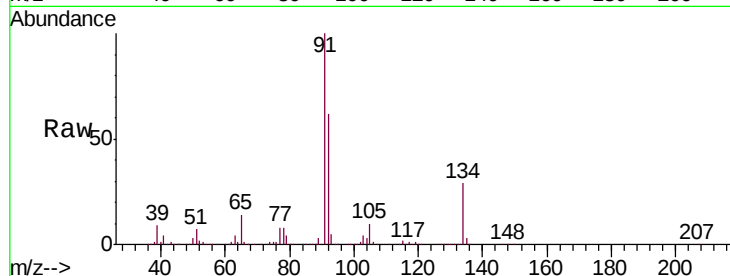
Tgt Ion: 91 Resp: 1435065

Ion Ratio Lower Upper

91 100

92 62.3 29.3 87.9

134 29.0 12.8 38.3



#90

Hexachloroethane

Concen: 134.451 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF060029.D

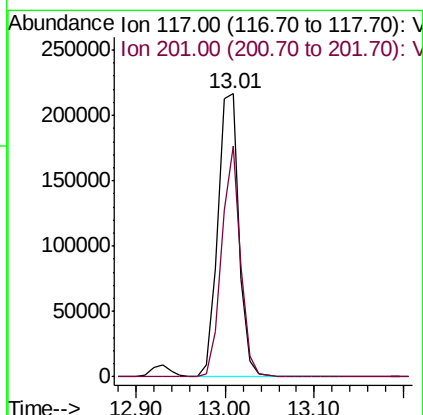
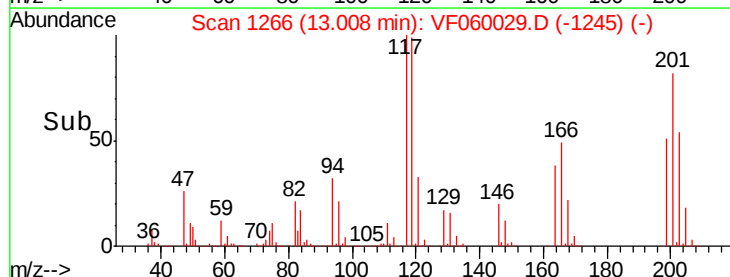
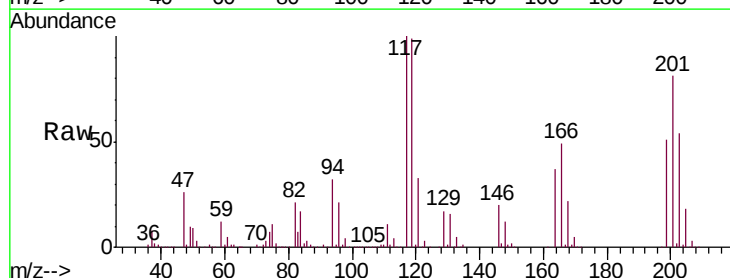
Acq: 21 Aug 2018 19:46

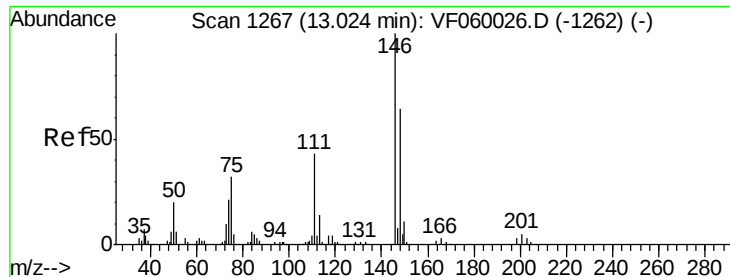
Tgt Ion: 117 Resp: 363263

Ion Ratio Lower Upper

117 100

201 81.5 38.6 115.8

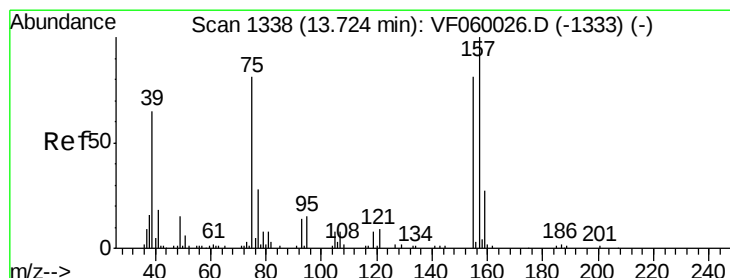
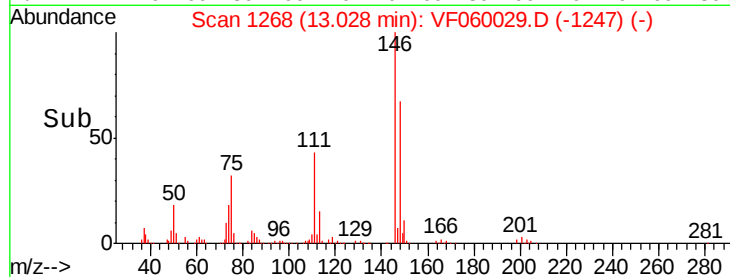
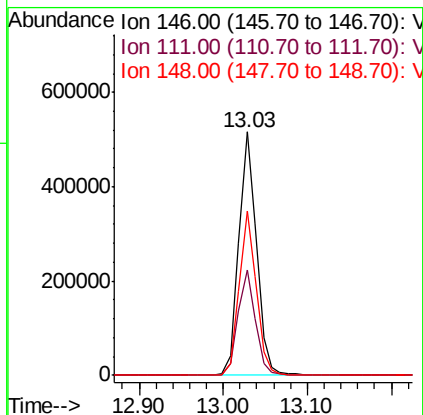
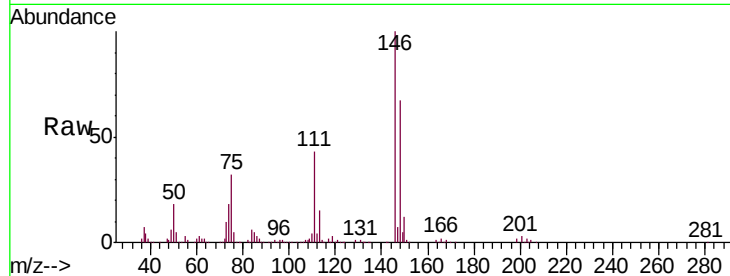




#91
 1,2-Dichlorobenzene
 Concen: 127.347 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

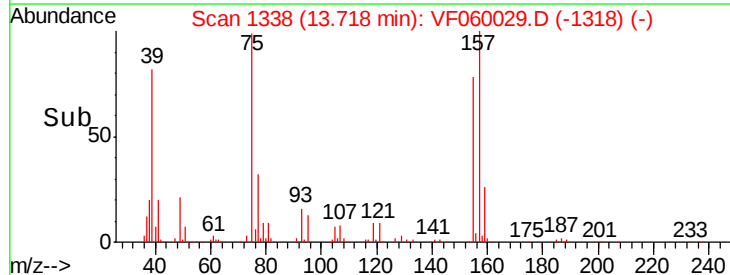
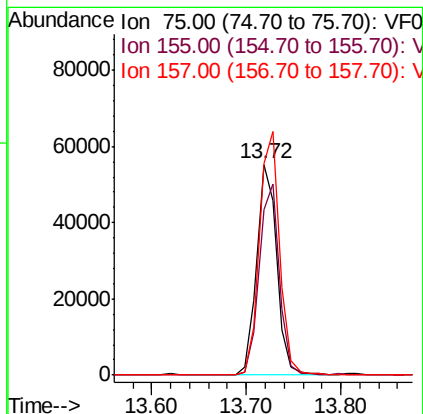
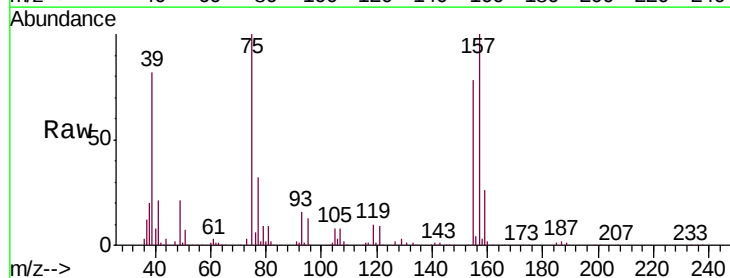
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

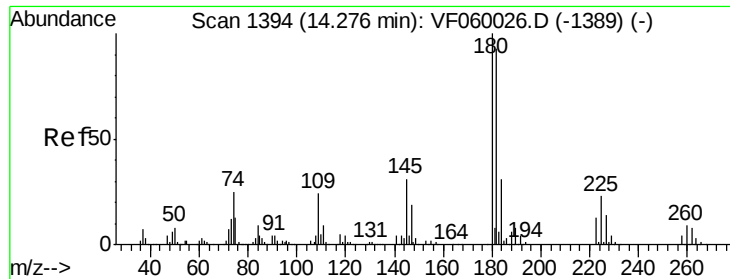
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	64.6
148	67.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 133.636 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	49.8	149.3
157	100.3	61.6	184.7

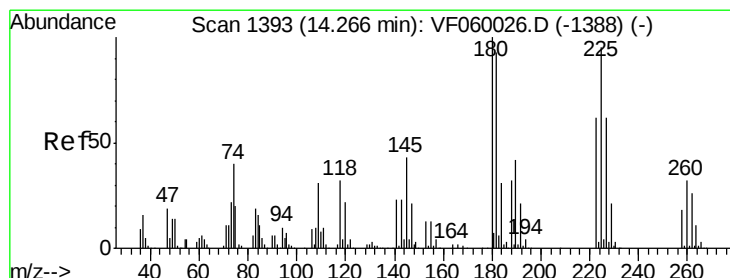
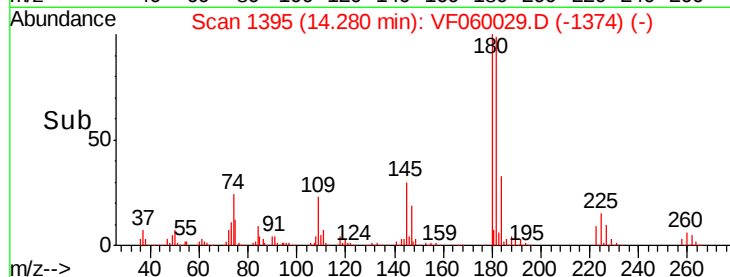
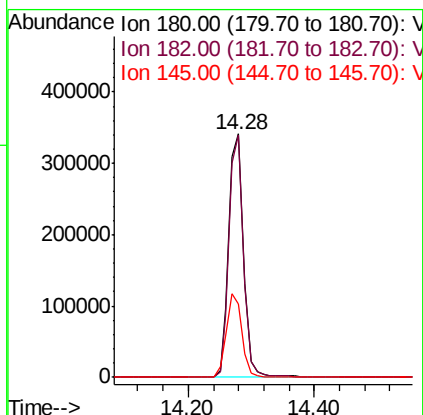
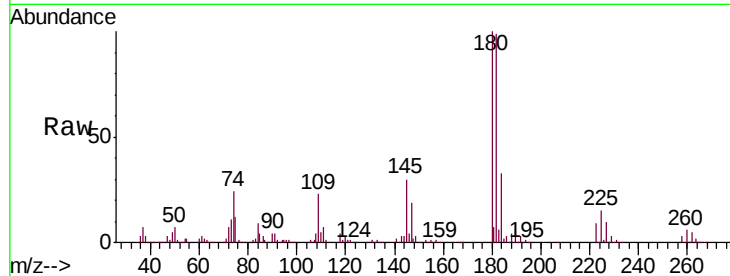




#93
 1,2,4-Trichlorobenzene
 Concen: 116.147 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

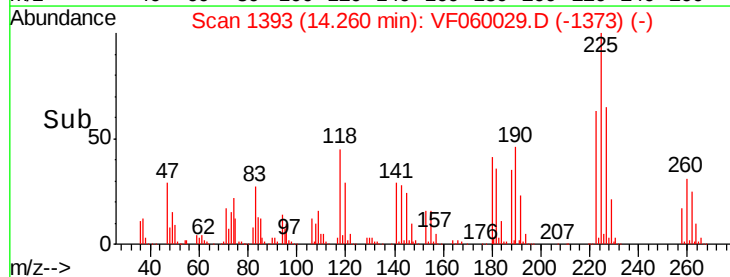
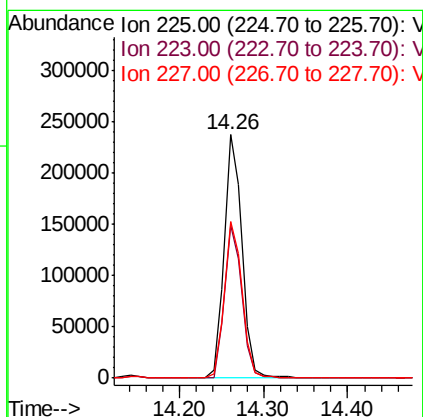
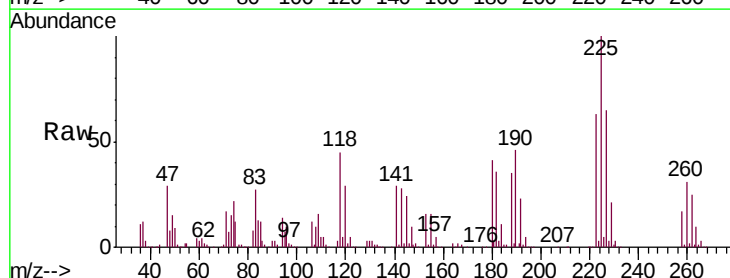
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

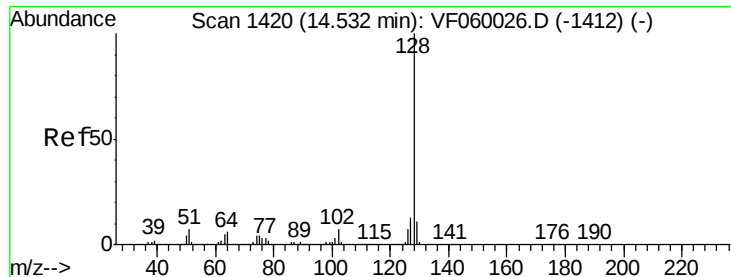
Tgt Ion:180 Resp: 556462
 Ion Ratio Lower Upper
 180 100
 182 99.5 46.8 140.3
 145 30.4 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 110.562 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060029.D
 Acq: 21 Aug 2018 19:46

Tgt Ion:225 Resp: 348098
 Ion Ratio Lower Upper
 225 100
 223 62.9 32.6 97.8
 227 64.6 33.0 98.9





#95

Naphthalene

Concen: 157.046 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

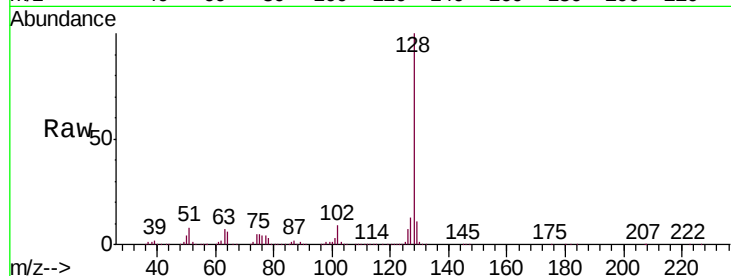
Tgt Ion:128 Resp: 1080809

Ion Ratio Lower Upper

128 100

127 12.5 10.4 15.6

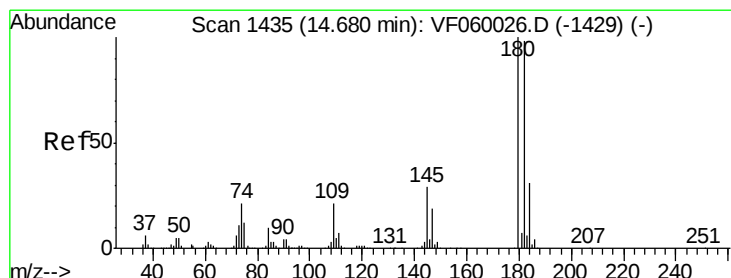
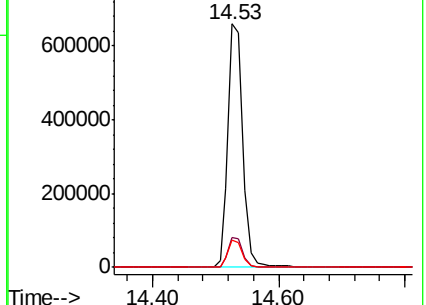
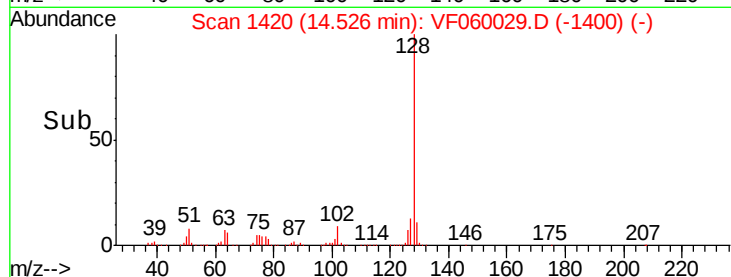
129 11.3 8.5 12.7



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: 123.203 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VF060029.D

Acq: 21 Aug 2018 19:46

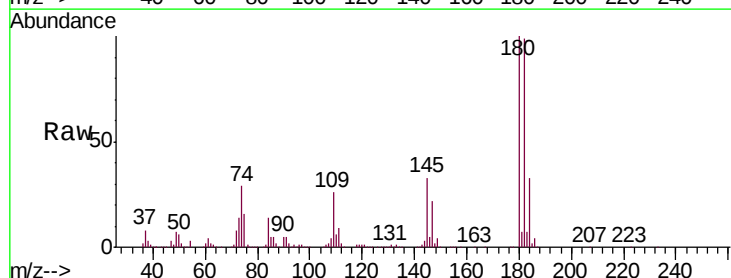
Tgt Ion:180 Resp: 566146

Ion Ratio Lower Upper

180 100

182 98.8 49.0 147.2

145 33.3 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

