

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060278.D
 Acq On : 19 Sep 2018 13:17
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Sep 20 02:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	270466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	446435	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	381103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	199470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	37641	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
35) Dibromofluoromethane	4.28	113	44508	11.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.36%	
50) Toluene-d8	7.70	98	111423	10.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.50%	
62) 4-Bromofluorobenzene	11.51	95	46882	10.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	56882	11.845	ug/l	88
3) Chloromethane	1.13	50	42894	11.772	ug/l	88
4) Vinyl Chloride	1.19	62	41882	11.150	ug/l	96
5) Bromomethane	1.35	94	29832	11.839	ug/l	87
6) Chloroethane	1.43	64	20065	11.216	ug/l	94
7) Trichlorofluoromethane	1.54	101	77962	11.141	ug/l	90
8) Diethyl Ether	1.70	74	12362	10.618	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.90	101	42786	11.496	ug/l	96
10) Methyl Iodide	1.96	142	66639	11.105	ug/l #	88
11) Tert butyl alcohol	2.67	59	15179	65.382	ug/l #	77
12) 1,1-Dichloroethene	1.86	96	34307	11.146	ug/l	94
13) Acrolein	2.09	56	7999	70.489	ug/l	88
14) Allyl chloride	2.19	41	67202	12.512	ug/l	97
15) Acrylonitrile	3.07	53	28951	56.285	ug/l	91
16) Acetone	2.33	43	61879	60.332	ug/l	96
17) Carbon Disulfide	1.90	76	110693	11.916	ug/l #	93
18) Methyl Acetate	2.45	43	21180	12.396	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	87504	11.404	ug/l	99
20) Methylene Chloride	2.32	84	21387	5.866	ug/l	91
21) trans-1,2-Dichloroethene	2.41	96	37191	11.699	ug/l	98
22) Diisopropyl ether	2.92	45	113840	11.234	ug/l #	95
23) Vinyl Acetate	3.32	43	228896	57.511	ug/l	98
24) 1,1-Dichloroethane	3.00	63	72285	10.999	ug/l #	98
25) 2-Butanone	4.50	43	76714	55.569	ug/l	92
26) 2,2-Dichloropropane	3.76	77	42837	11.423	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	50218	12.025	ug/l	85
28) Bromochloromethane	3.89	49	29880	11.678	ug/l	96
29) Tetrahydrofuran	4.25	42	27746	54.883	ug/l #	91
30) Chloroform	4.02	83	86144	10.863	ug/l	94
31) Cyclohexane	3.86	56	64515	11.622	ug/l #	94
32) 1,1,1-Trichloroethane	4.27	97	74599	11.922	ug/l	97
36) 1,1-Dichloropropene	4.46	75	69167	12.421	ug/l	96
37) Ethyl Acetate	4.29	43	27965	11.868	ug/l #	64
38) Carbon Tetrachloride	4.26	117	10263	1.615	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	69378	11.495	ug/l	95
40) Benzene	4.80	78	147476	11.680	ug/l	99
41) Methacrylonitrile	4.91	41	13797	10.791	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	55263	11.891	ug/l	99
43) Isopropyl Acetate	7.11	43	32986	11.629	ug/l #	94
44) Trichloroethene	5.67	130	43432	11.558	ug/l	94
45) 1,2-Dichloropropane	6.40	63	35761	10.943	ug/l #	86
46) Dibromomethane	6.24	93	27766	11.887	ug/l	95
47) Bromodichloromethane	6.54	83	65657	11.696	ug/l	99
48) Methyl methacrylate	6.86	41	24021	12.063	ug/l	92
49) 1,4-Dioxane	6.85	88	4261	239.525	ug/l	91
51) 4-Methyl-2-Pentanone	8.40	43	120399	55.070	ug/l	98
52) Toluene	7.77	92	90658	11.349	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	49573	10.948	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	65834	11.541	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	26310	10.852	ug/l	97
56) Ethyl methacrylate	8.76	69	34765	11.873	ug/l	99
57) 1,3-Dichloropropane	8.99	76	43796	10.910	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.77	63	15050	58.141	ug/l	100
59) 2-Hexanone	9.62	43	83669	53.749	ug/l	84
60) Dibromochloromethane	8.85	129	38747	10.723	ug/l	96
61) 1,2-Dibromoethane	9.13	107	30897	11.444	ug/l	96
64) Tetrachloroethene	8.30	164	40713	11.784	ug/l	93
65) Chlorobenzene	9.94	112	96596	11.183	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	42214	11.777	ug/l	99
67) Ethyl Benzene	10.04	91	187320	11.729	ug/l	98
68) m/p-Xylenes	10.26	106	129069	23.393	ug/l	95
69) o-Xylene	10.83	106	71019	11.476	ug/l	89
70) Styrene	10.90	104	100138	11.474	ug/l	97
71) Bromoform	10.89	173	22167	11.260	ug/l #	100
73) Isopropylbenzene	11.22	105	219917	12.281	ug/l	99
74) N-amyl acetate	11.46	43	46269	12.117	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	39488	12.443	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	26646	11.727	ug/l	91
77) Bromobenzene	11.60	156	45105	11.688	ug/l	90
78) n-propylbenzene	11.68	91	257530	12.182	ug/l	100
79) 2-Chlorotoluene	11.81	91	149580	12.383	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	170192	11.807	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	17546	11.984	ug/l	97
82) 4-Chlorotoluene	11.99	91	144227	11.879	ug/l	99
83) tert-Butylbenzene	12.22	119	179285	12.270	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	177386	12.119	ug/l	98
85) sec-Butylbenzene	12.38	105	244757	12.098	ug/l	98
86) p-Isopropyltoluene	12.53	119	195325	12.200	ug/l	94
87) 1,3-Dichlorobenzene	12.55	146	86636	12.014	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	83037	11.650	ug/l	94
89) n-Butylbenzene	12.92	91	213815	12.626	ug/l	96
90) Hexachloroethane	12.99	117	48208	11.790	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	81627	11.866	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7518	12.618	ug/l	87

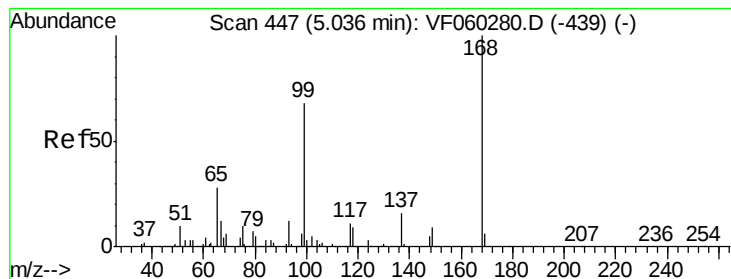
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	60155	12.031	ug/l	90
94) Hexachlorobutadiene	14.26	225	37954	11.229	ug/l	96
95) Naphthalene	14.52	128	100022	11.410	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.67	180	53861	11.658	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

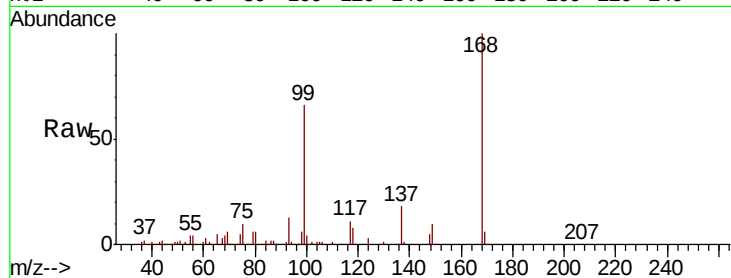
VSTDIC010

Tgt Ion:168 Resp: 270466

Ion Ratio Lower Upper

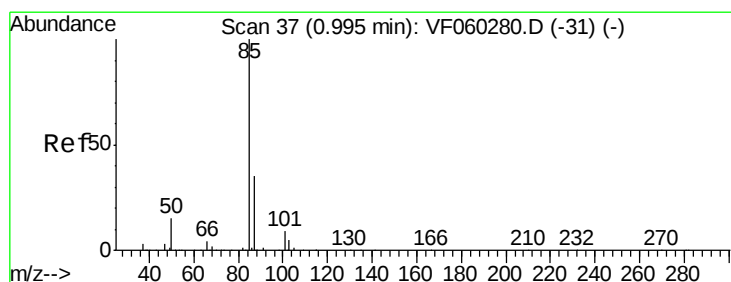
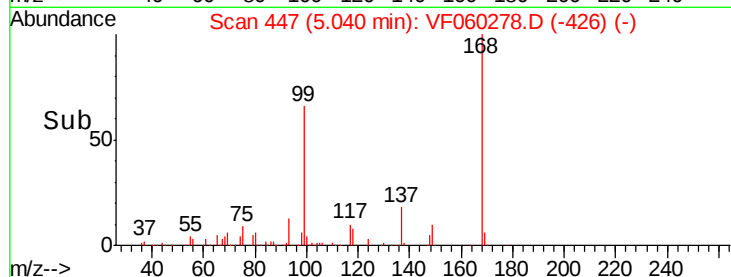
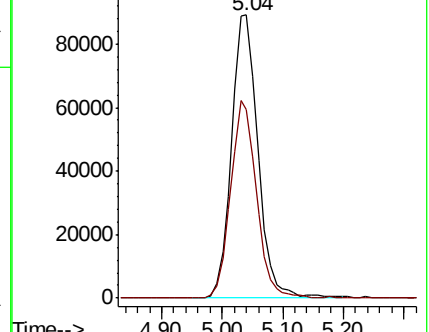
168 100

99 66.5 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 11.845 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060278.D

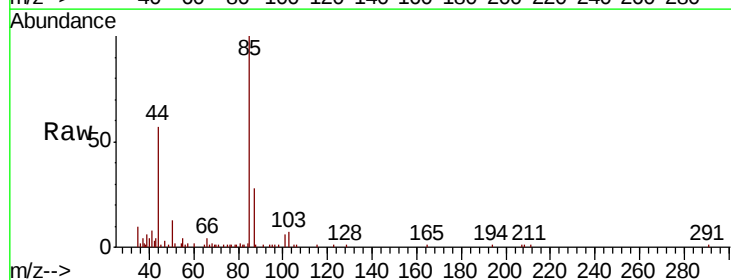
Acq: 19 Sep 2018 13:17

Tgt Ion: 85 Resp: 56882

Ion Ratio Lower Upper

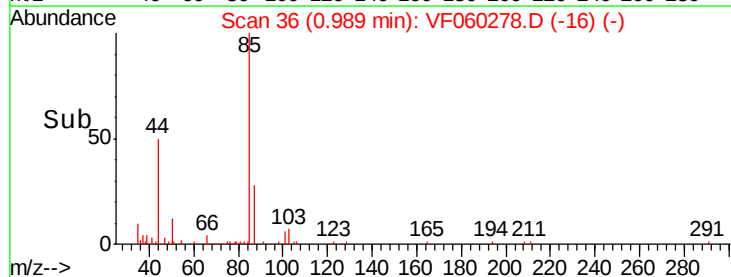
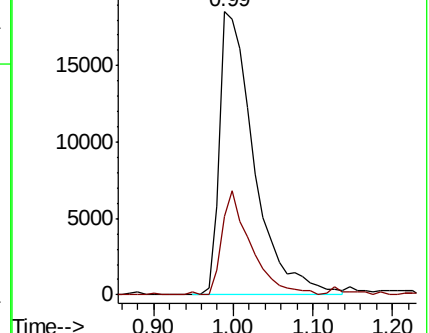
85 100

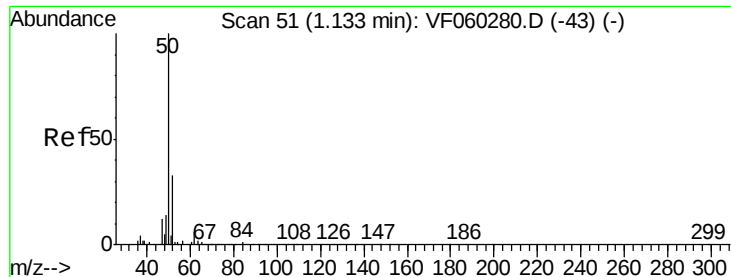
87 27.7 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 11.772 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

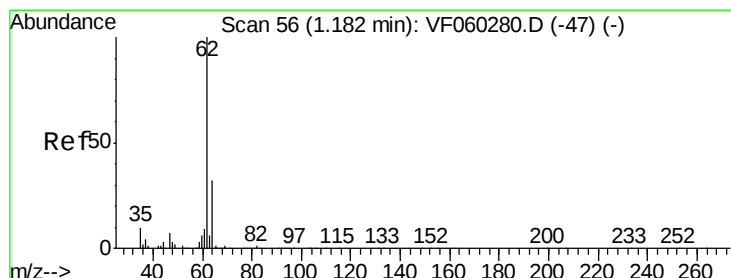
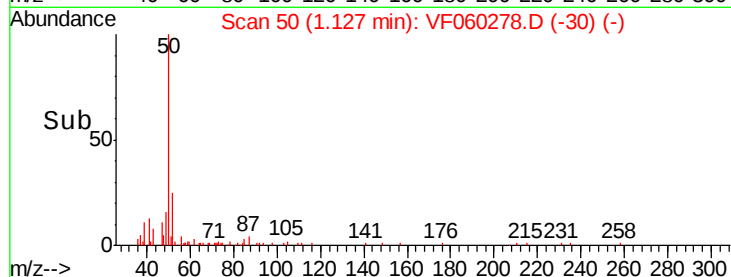
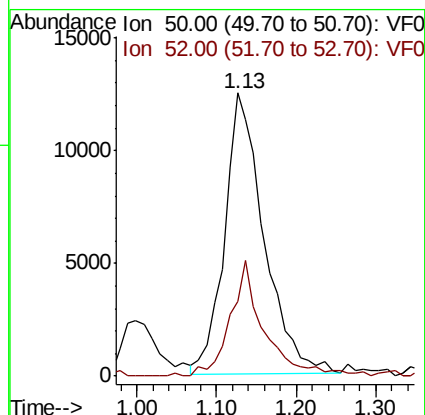
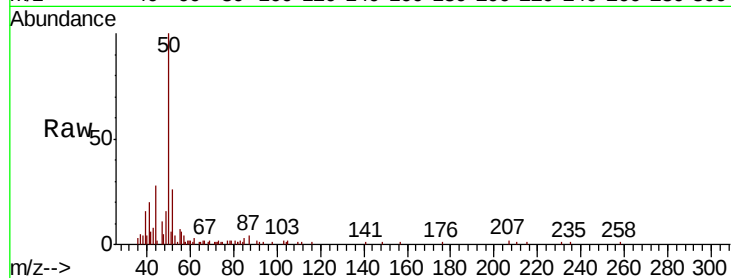
VSTDIC010

Tgt Ion: 50 Resp: 42894

Ion Ratio Lower Upper

50 100

52 26.5 26.5 39.7



#4

Vinyl Chloride

Concen: 11.150 ug/l

RT: 1.19 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060278.D

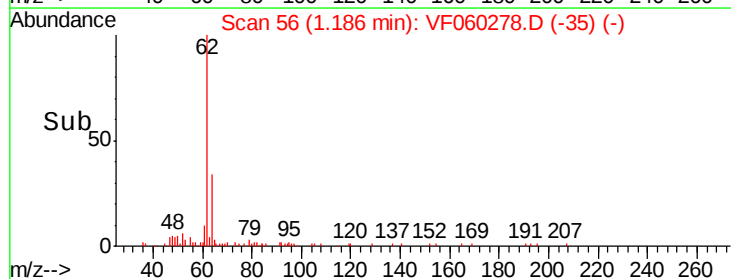
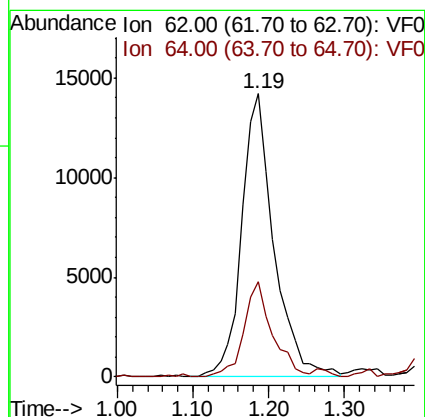
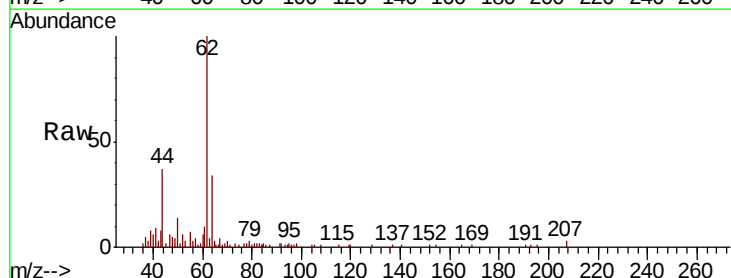
Acq: 19 Sep 2018 13:17

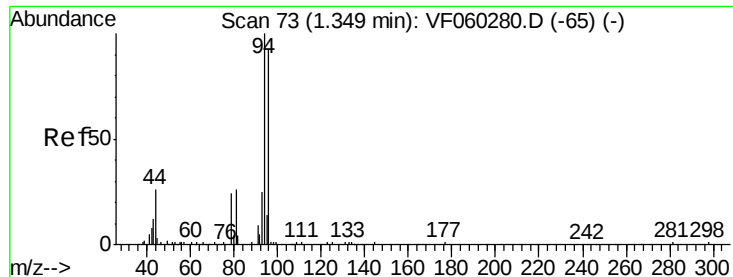
Tgt Ion: 62 Resp: 41882

Ion Ratio Lower Upper

62 100

64 33.8 25.2 37.8





#5

Bromomethane

Concen: 11.839 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

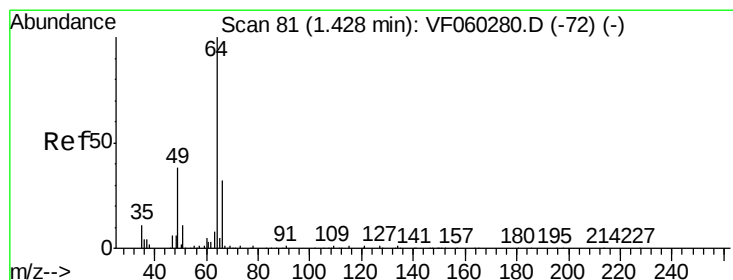
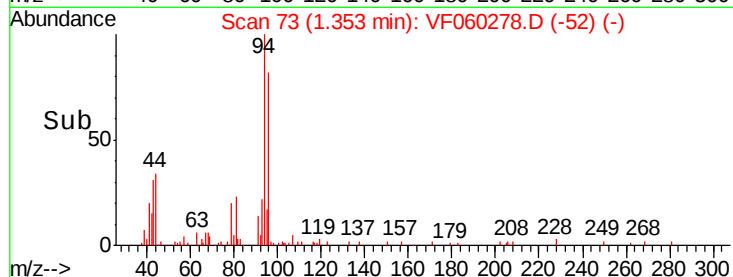
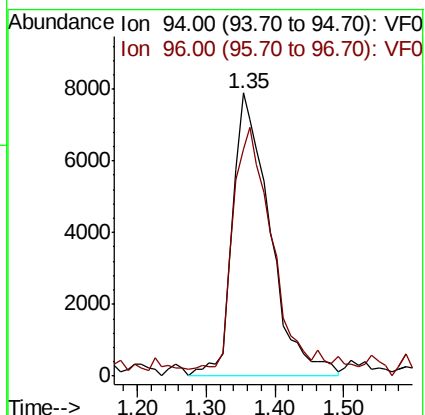
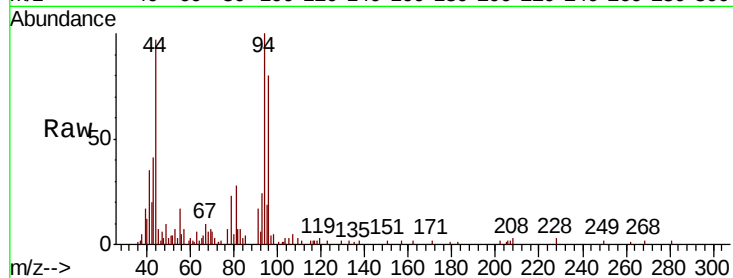
VSTDIC010

Tgt Ion: 94 Resp: 29832

Ion Ratio Lower Upper

94 100

96 80.4 73.9 110.9



#6

Chloroethane

Concen: 11.216 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060278.D

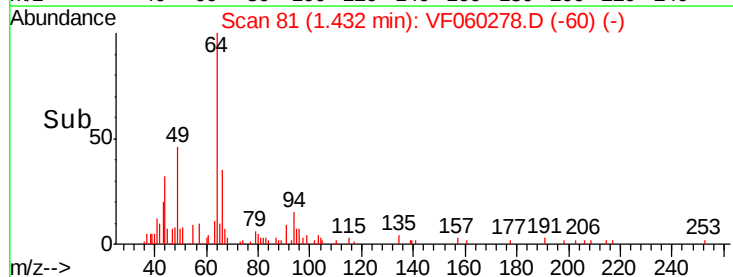
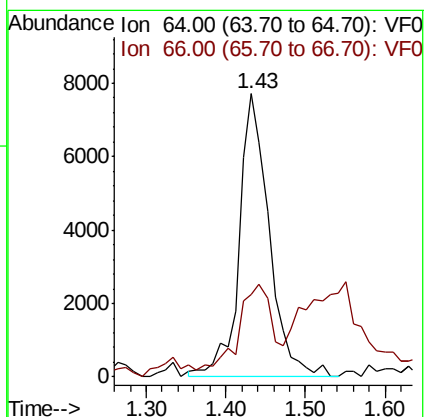
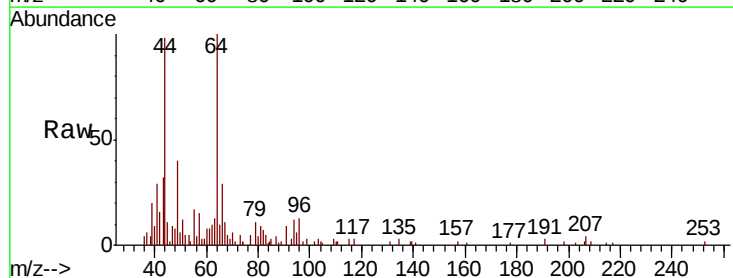
Acq: 19 Sep 2018 13:17

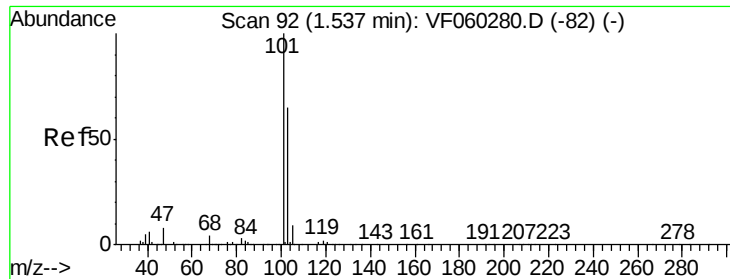
Tgt Ion: 64 Resp: 20065

Ion Ratio Lower Upper

64 100

66 29.3 26.2 39.2



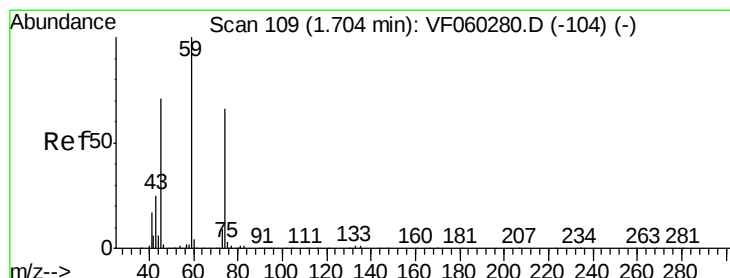
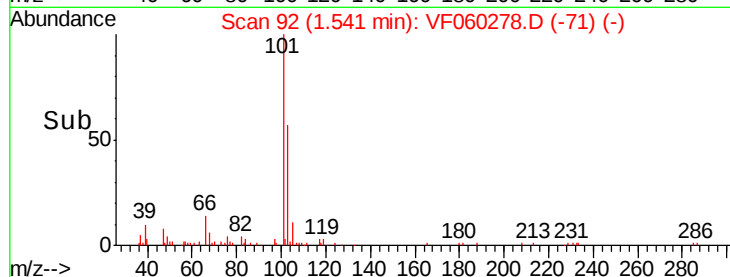
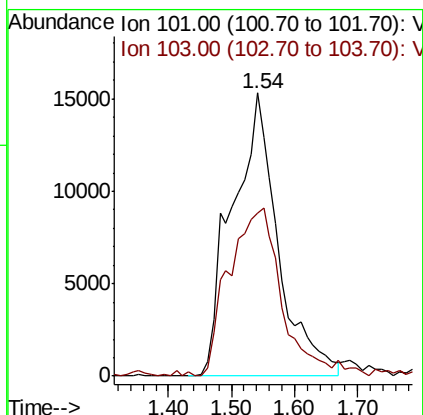
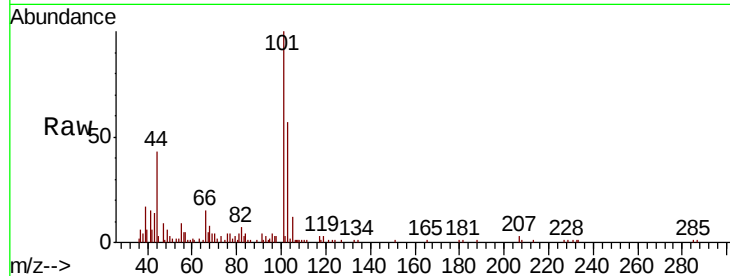


#7

Trichlorofluoromethane
Concen: 11.141 ug/l
RT: 1.54 min Scan# 92
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

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VSTDIC010

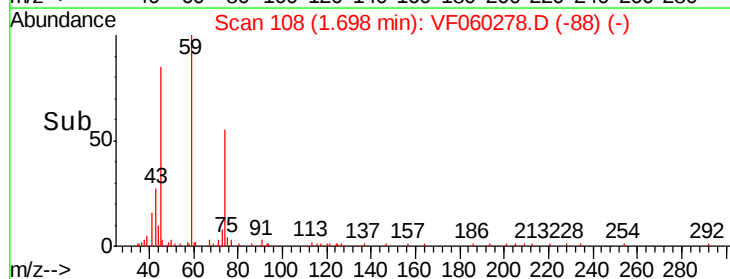
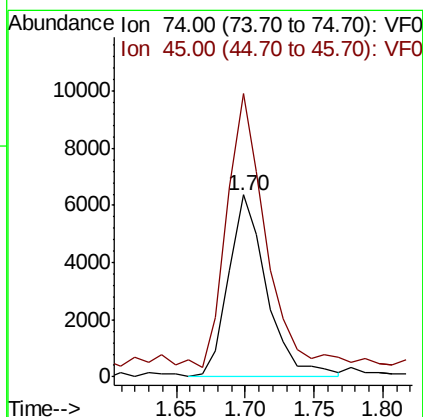
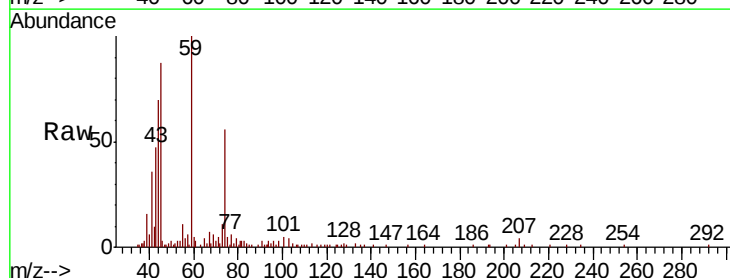
Tgt Ion:101 Resp: 77962
Ion Ratio Lower Upper
101 100
103 57.5 52.0 78.0

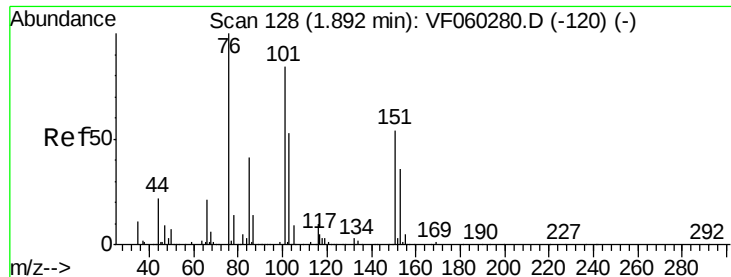


#8

Diethyl Ether
Concen: 10.618 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion: 74 Resp: 12362
Ion Ratio Lower Upper
74 100
45 155.5 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.496 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

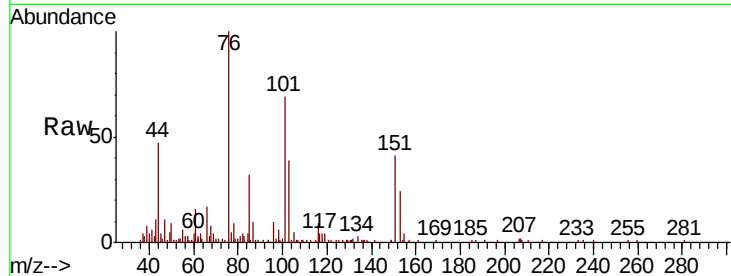
Tgt Ion:101 Resp: 42786

Ion Ratio Lower Upper

101 100

85 46.7 38.7 58.1

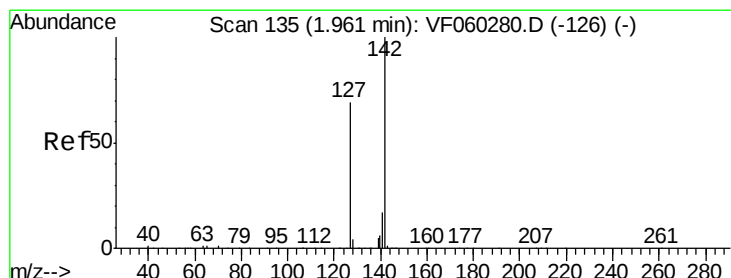
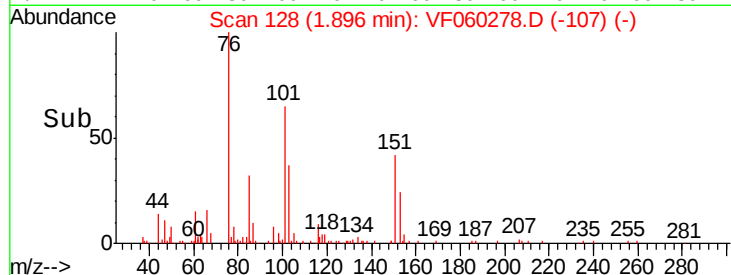
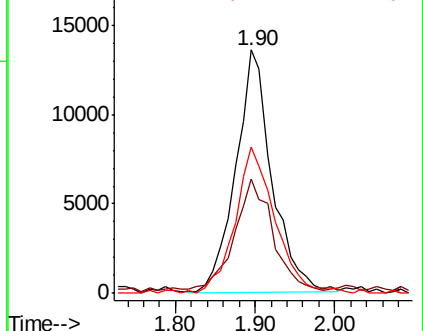
151 60.1 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 11.105 ug/l

RT: 1.96 min Scan# 135

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

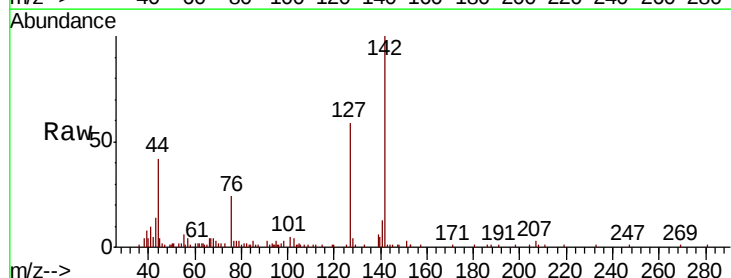
Tgt Ion:142 Resp: 66639

Ion Ratio Lower Upper

142 100

127 58.6 55.4 83.0

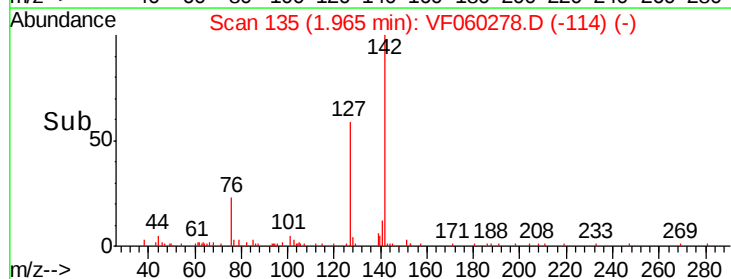
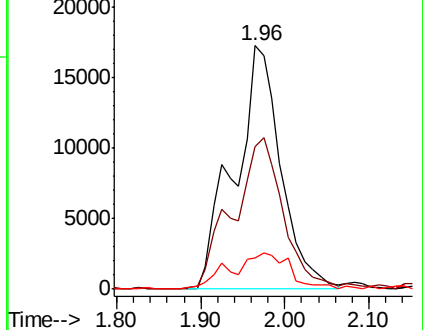
141 12.8 13.3 19.9#

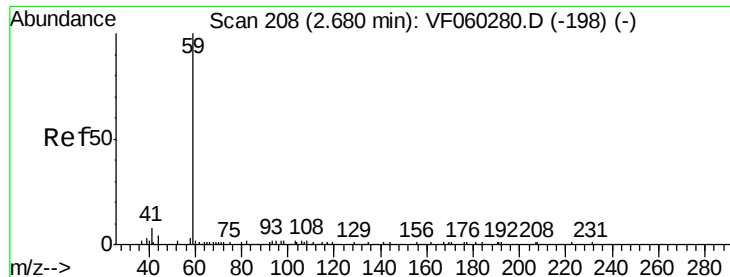


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



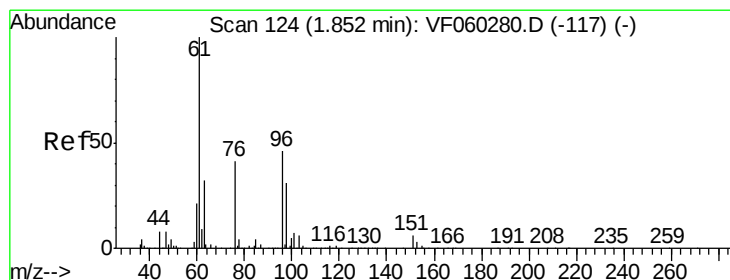
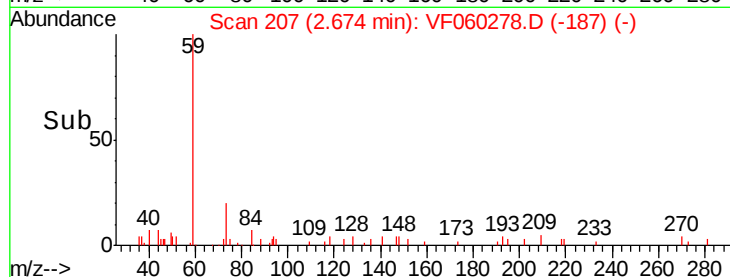
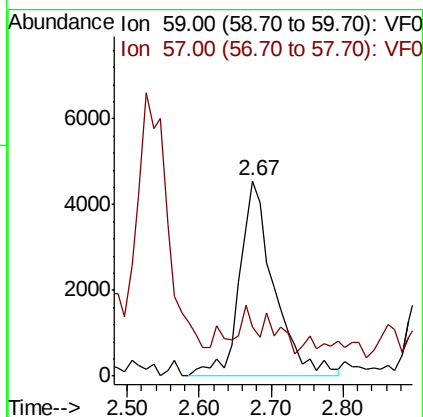
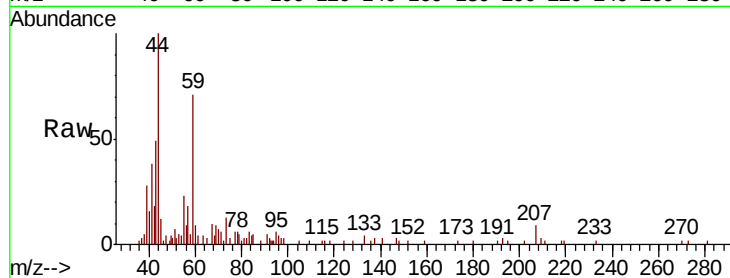


#11

Tert butyl alcohol
 Concen: 65.382 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

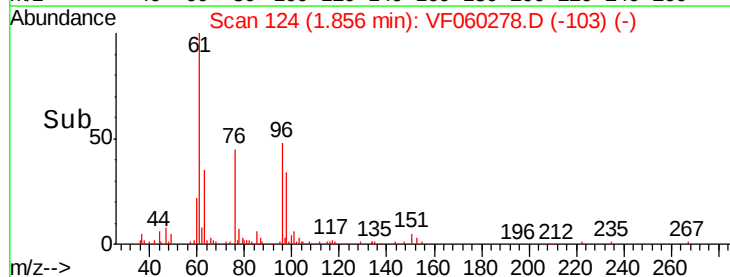
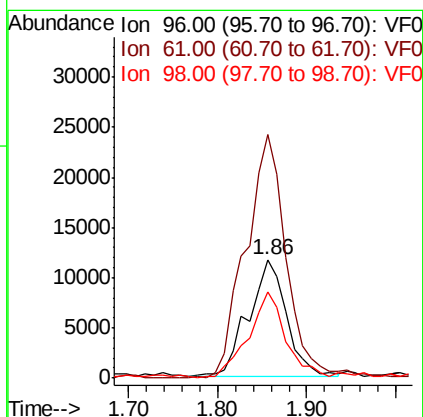
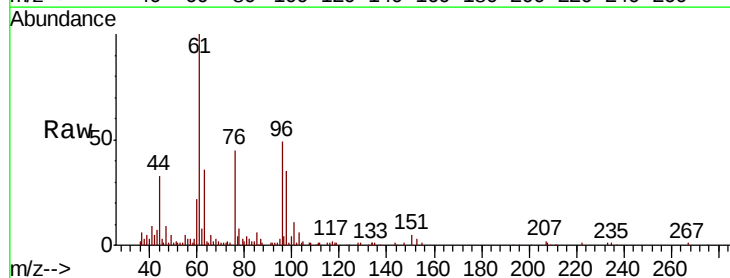
Tgt Ion: 59 Resp: 15179
 Ion Ratio Lower Upper
 59 100
 57 25.3 12.4 18.6#

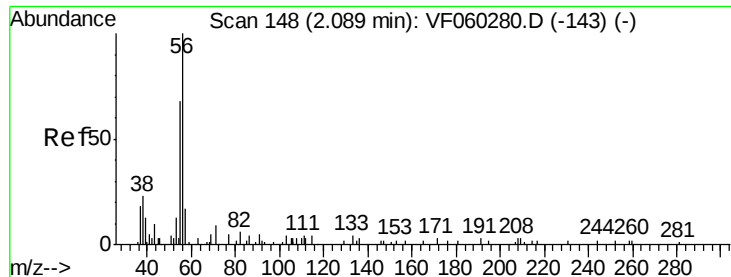


#12

1,1-Dichloroethene
 Concen: 11.146 ug/l
 RT: 1.86 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion: 96 Resp: 34307
 Ion Ratio Lower Upper
 96 100
 61 205.9 172.2 258.2
 98 72.9 54.1 81.1





#13

Acrolein

Concen: 70.489 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

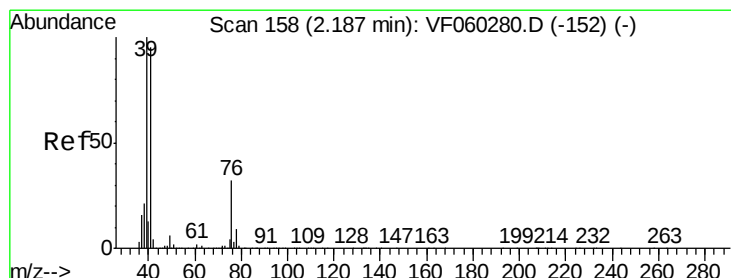
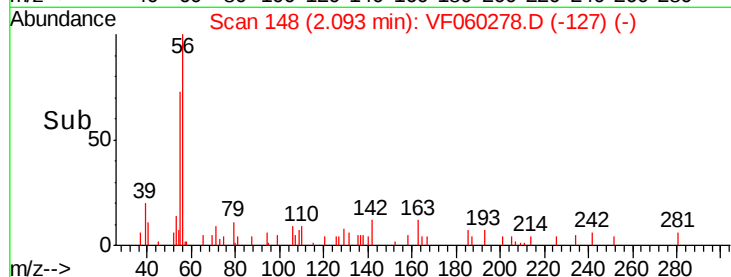
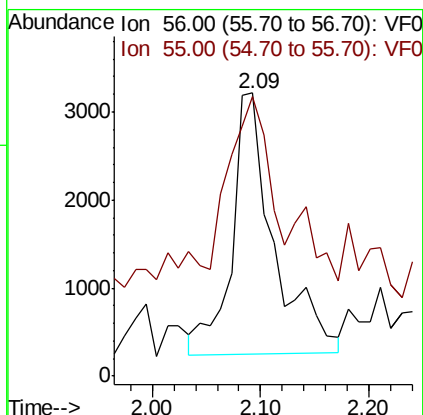
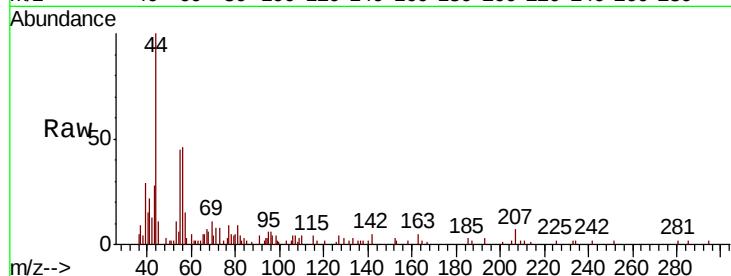
VSTDIC010

Tgt Ion: 56 Resp: 7999

Ion Ratio Lower Upper

56 100

55 98.8 69.9 104.9



#14

Allyl chloride

Concen: 12.512 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

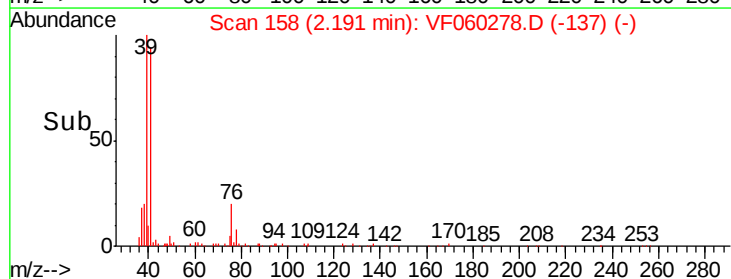
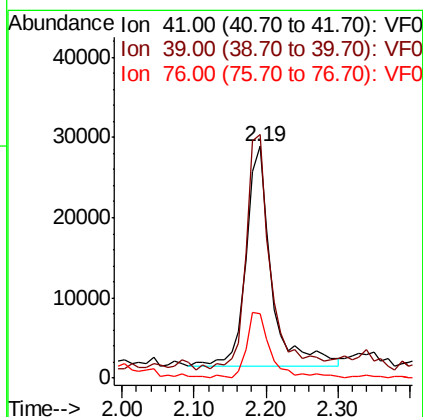
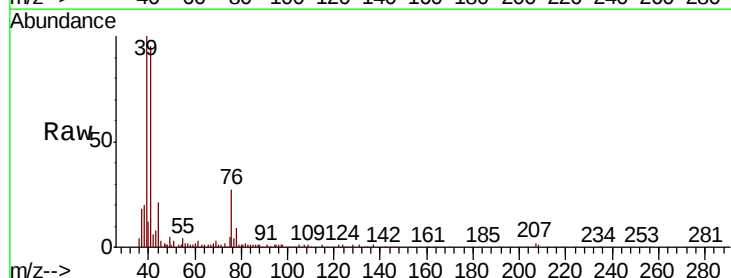
Tgt Ion: 41 Resp: 67202

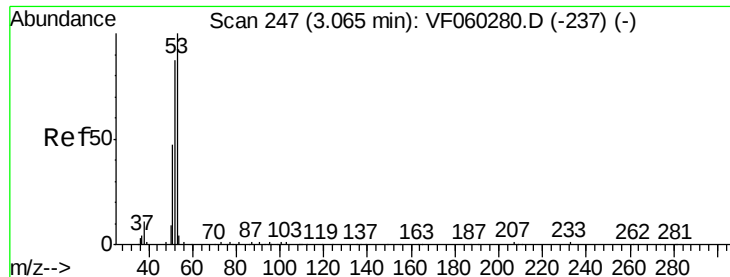
Ion Ratio Lower Upper

41 100

39 105.1 84.8 127.2

76 27.9 27.4 41.2





#15

Acrylonitrile

Concen: 56.285 ug/l

RT: 3.07 min Scan# 247

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

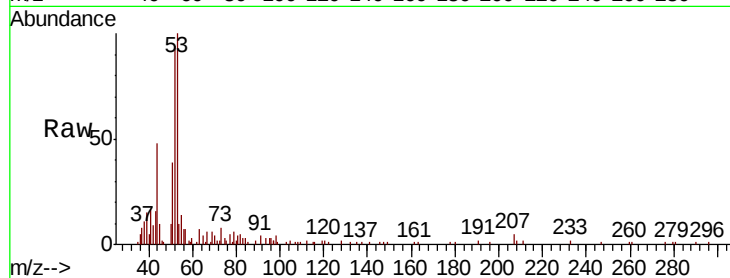
Tgt Ion: 53 Resp: 28951

Ion Ratio Lower Upper

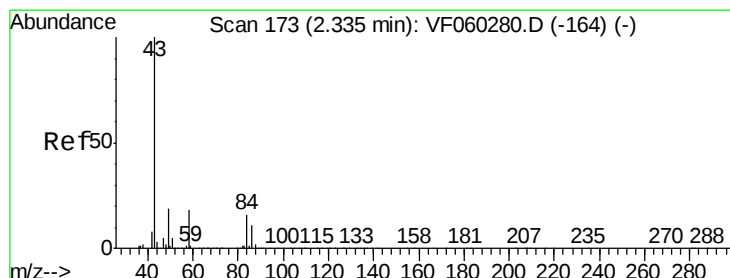
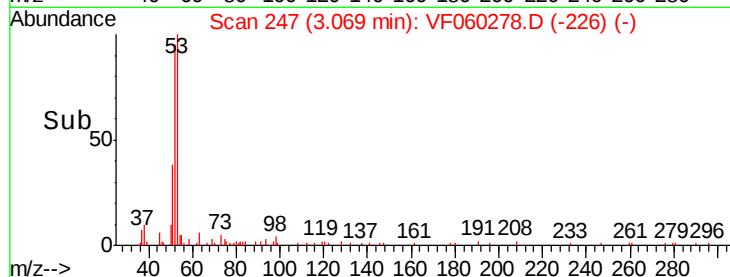
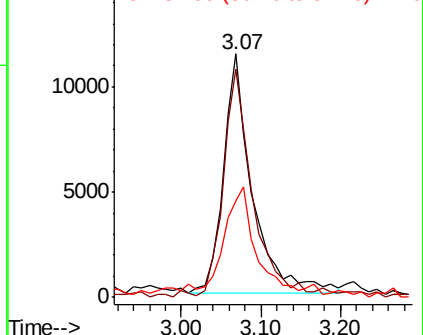
53 100

52 93.5 69.5 104.3

51 39.5 38.1 57.1



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: 60.332 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060278.D

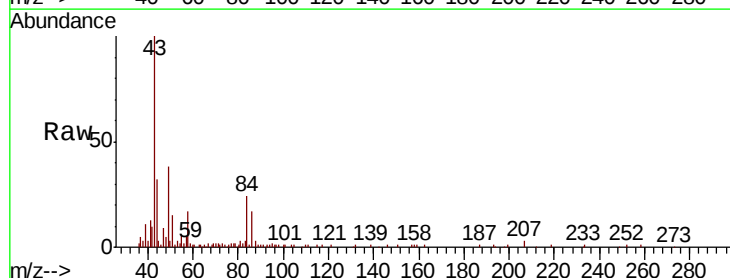
Acq: 19 Sep 2018 13:17

Tgt Ion: 43 Resp: 61879

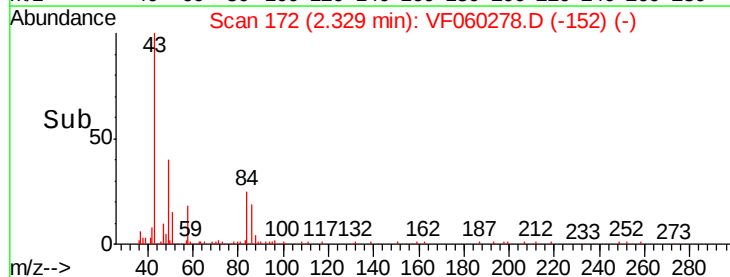
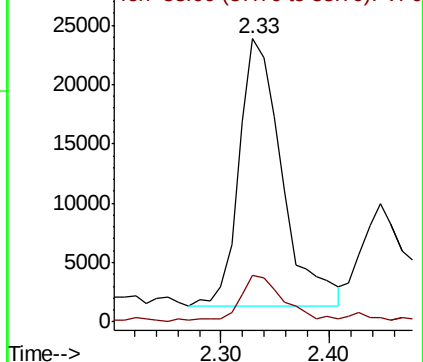
Ion Ratio Lower Upper

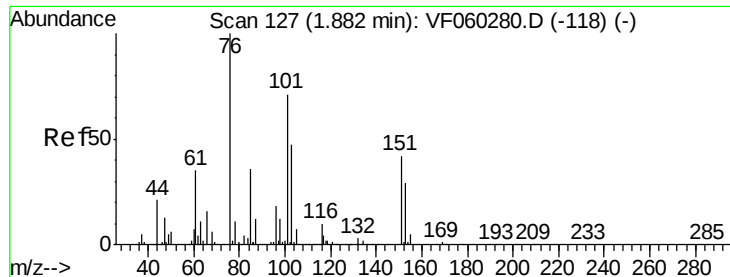
43 100

58 16.5 14.5 21.7



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





#17

Carbon Disulfide

Concen: 11.916 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

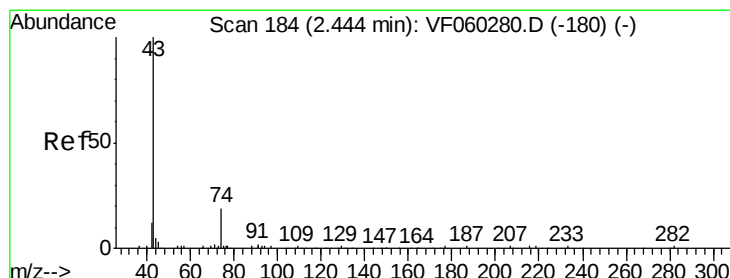
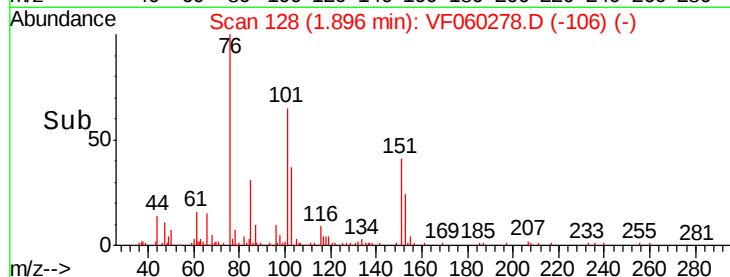
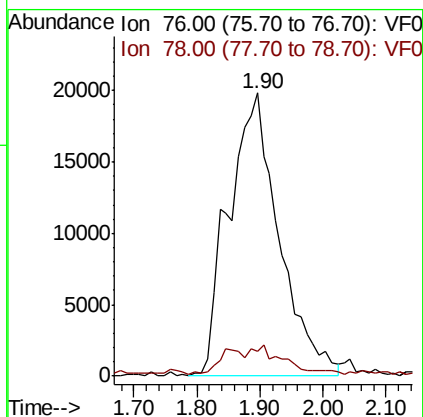
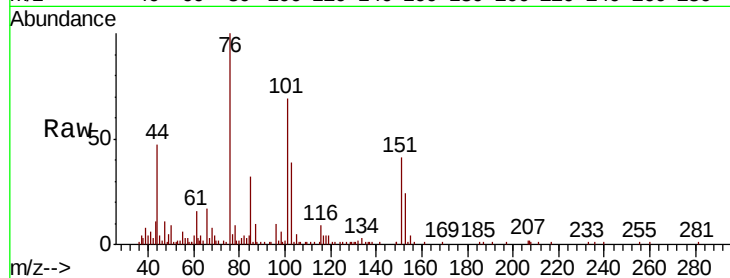
VSTDIC010

Tgt Ion: 76 Resp: 110693

Ion Ratio Lower Upper

76 100

78 8.8 9.4 14.0#



#18

Methyl Acetate

Concen: 12.396 ug/l

RT: 2.45 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060278.D

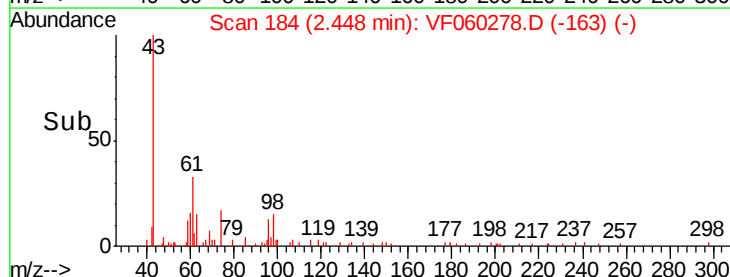
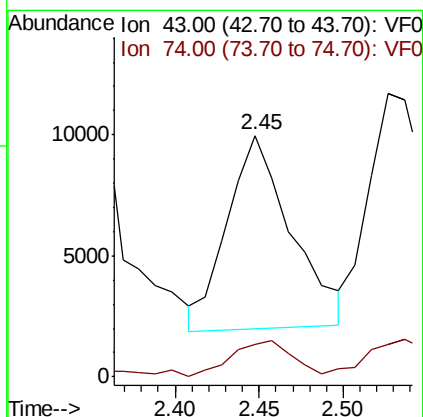
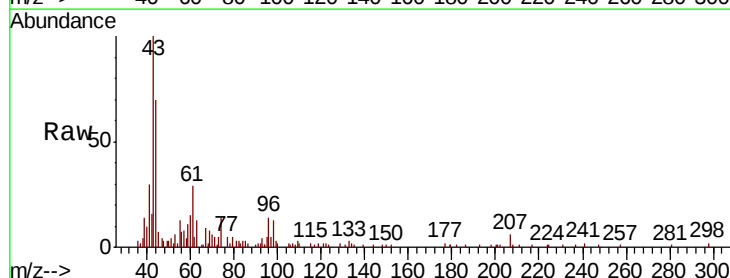
Acq: 19 Sep 2018 13:17

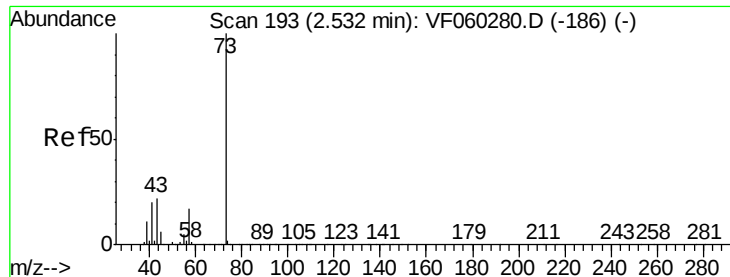
Tgt Ion: 43 Resp: 21180

Ion Ratio Lower Upper

43 100

74 13.6 12.7 19.1



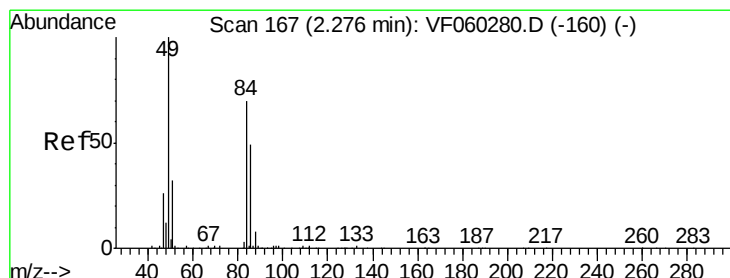
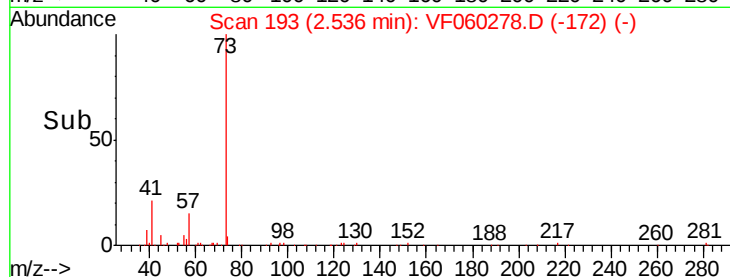
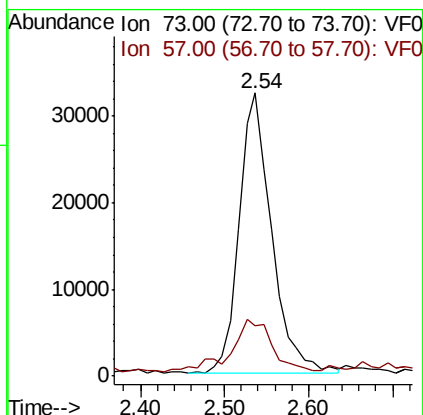
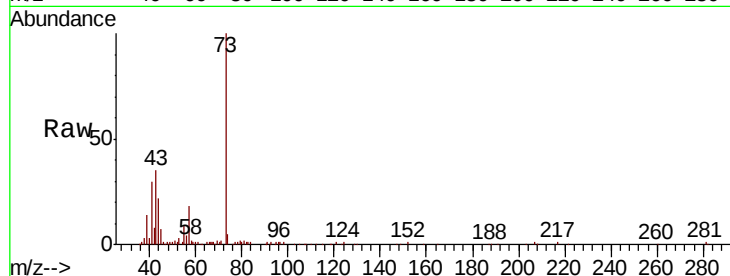


#19

Methyl tert-butyl Ether
 Concen: 11.404 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

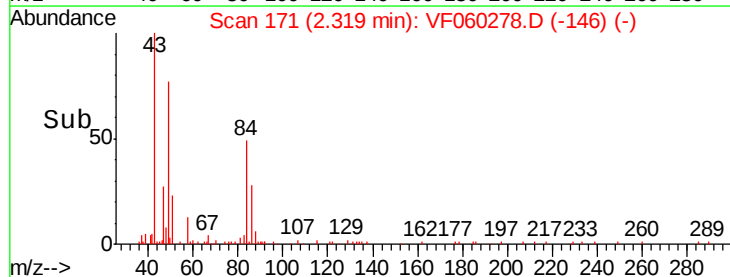
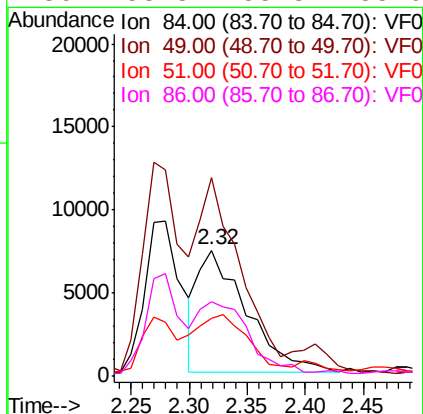
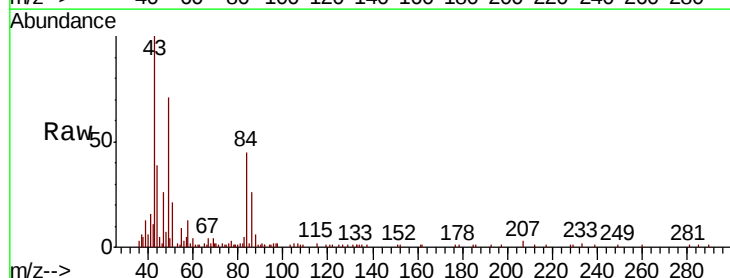
Tgt Ion: 73 Resp: 87504
 Ion Ratio Lower Upper
 73 100
 57 17.7 14.5 21.7

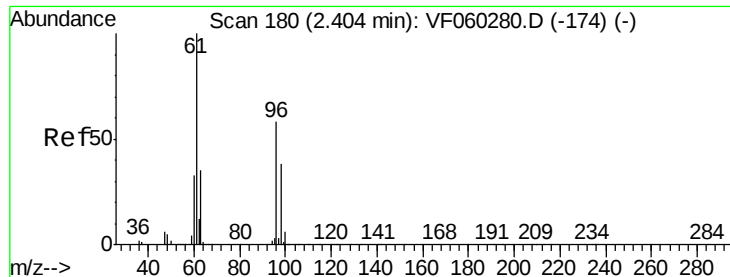


#20

Methylene Chloride
 Concen: 5.866 ug/l
 RT: 2.32 min Scan# 171
 Delta R.T. 0.04 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion: 84 Resp: 21387
 Ion Ratio Lower Upper
 84 100
 49 157.9 118.3 177.5
 51 46.0 38.7 58.1
 86 58.8 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 11.699 ug/l

RT: 2.41 min Scan# 180

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

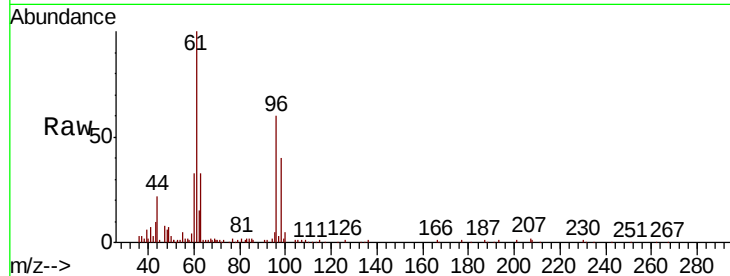
Tgt Ion: 96 Resp: 37191

Ion Ratio Lower Upper

96 100

61 167.6 136.4 204.6

98 66.5 51.8 77.6

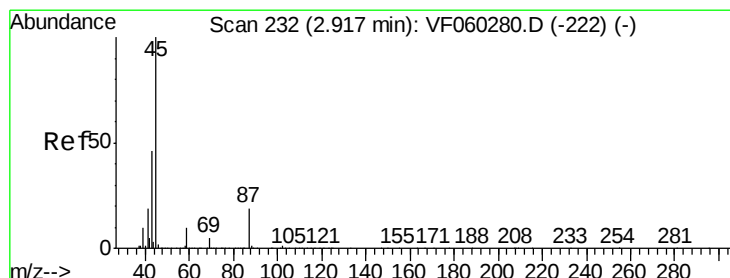
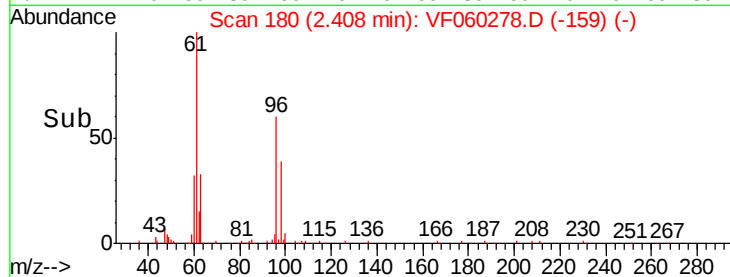
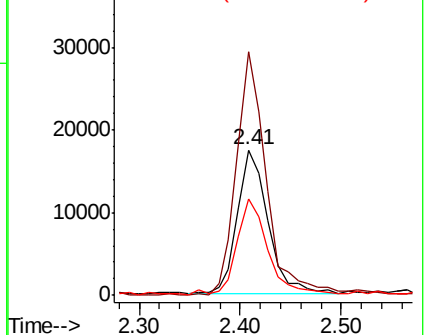


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 11.234 ug/l

RT: 2.92 min Scan# 232

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tgt Ion: 45 Resp: 113840

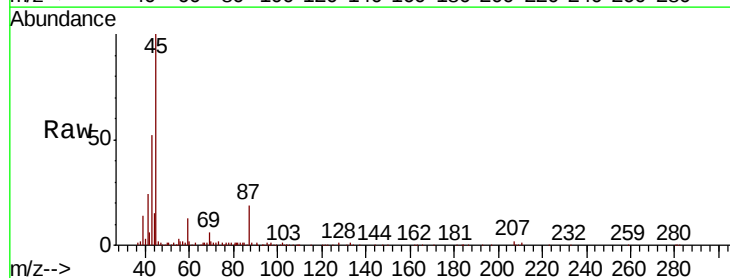
Ion Ratio Lower Upper

45 100

43 52.1 38.2 57.2

87 18.9 15.5 23.3

59 12.6 7.7 11.5#



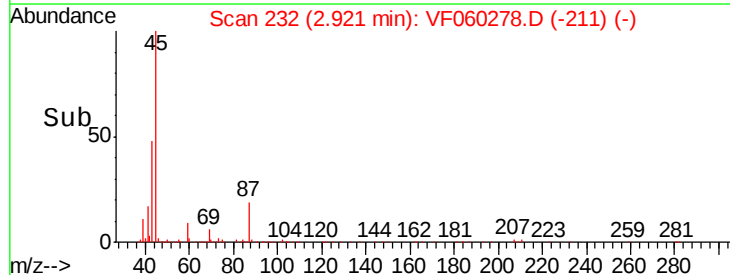
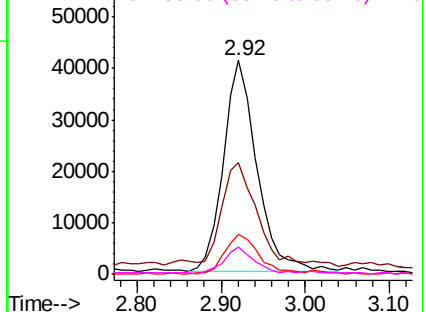
Abundance

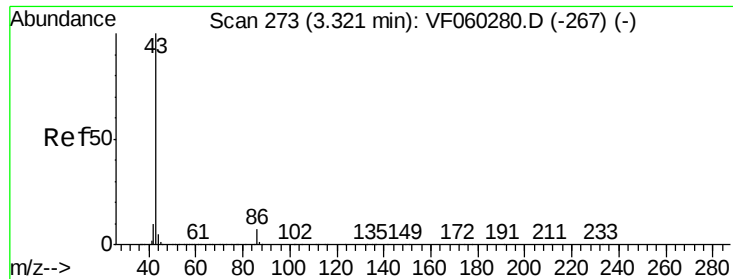
Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 57.511 ug/l

RT: 3.32 min Scan# 273

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

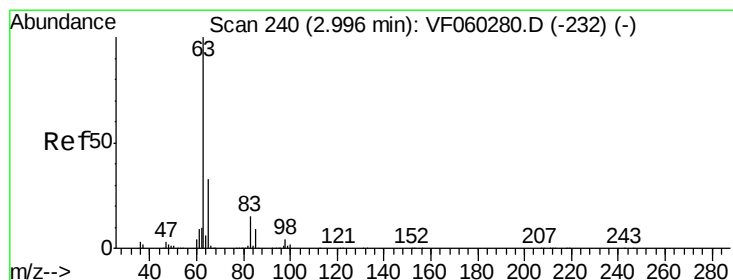
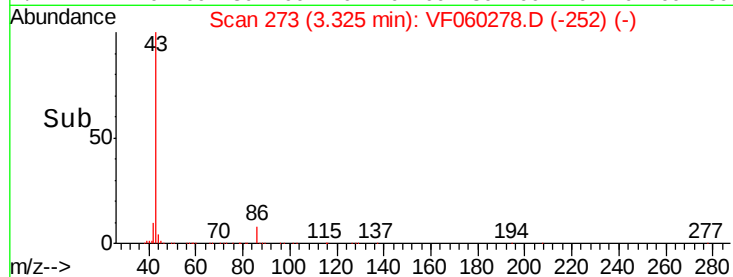
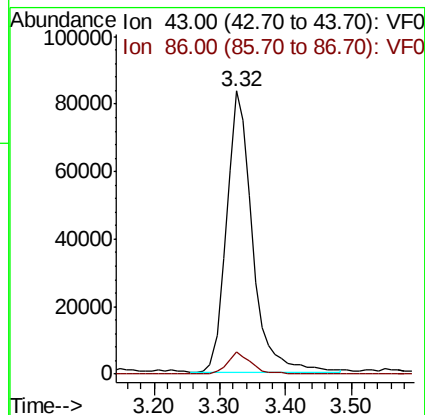
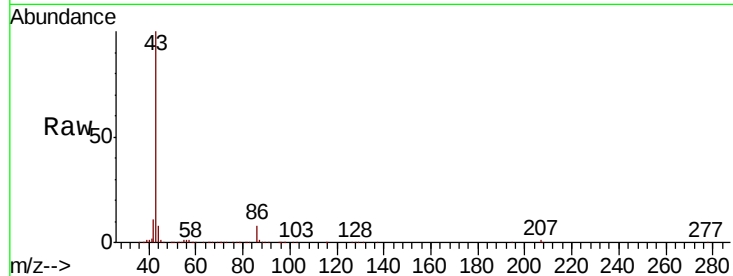
VSTDIC010

Tgt Ion: 43 Resp: 228896

Ion Ratio Lower Upper

43 100

86 7.9 5.9 8.9



#24

1,1-Dichloroethane

Concen: 10.999 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

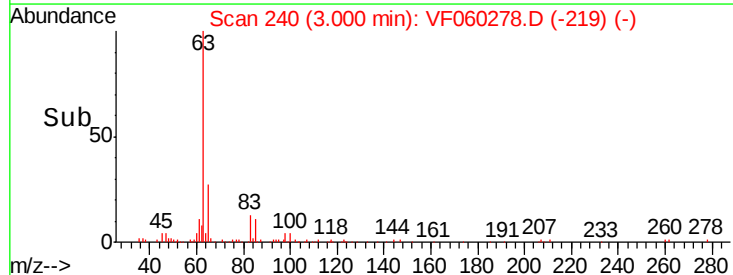
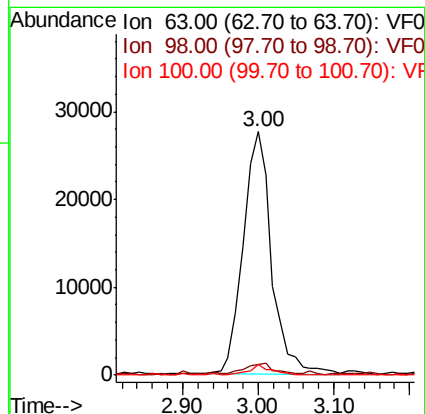
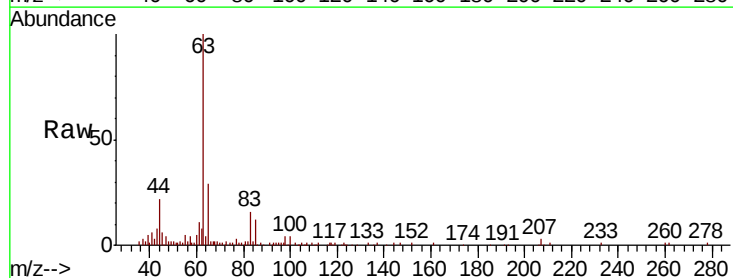
Tgt Ion: 63 Resp: 72285

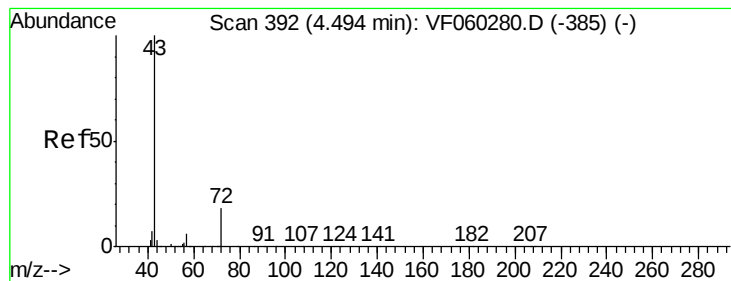
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 4.2 1.1 3.3#





#25

2-Butanone

Concen: 55.569 ug/l

RT: 4.50 min Scan# 392

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

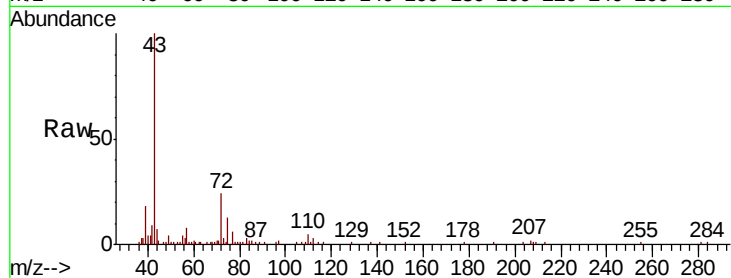
VSTDIC010

Tgt Ion: 43 Resp: 76714

Ion Ratio Lower Upper

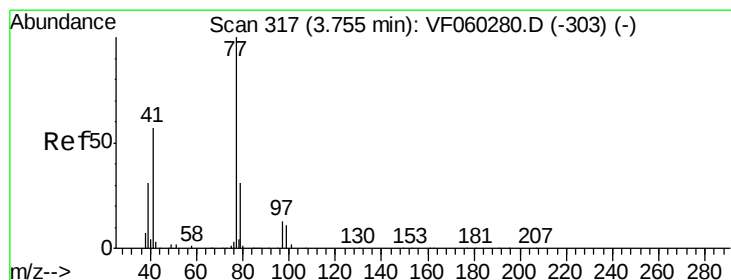
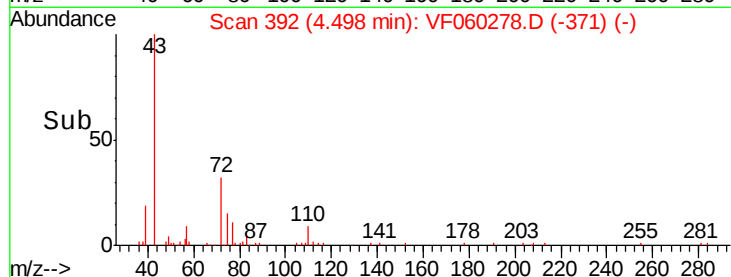
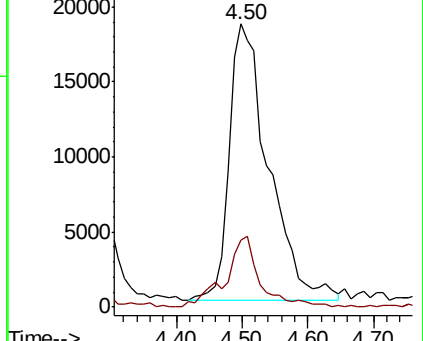
43 100

72 23.8 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 11.423 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060278.D

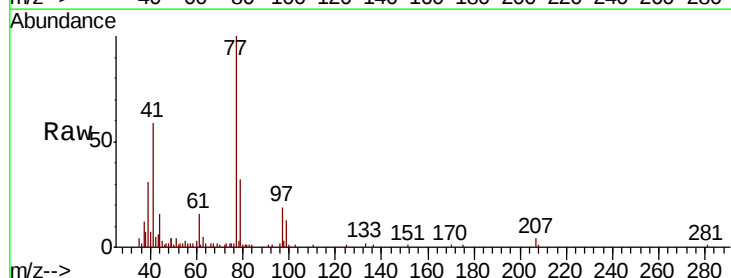
Acq: 19 Sep 2018 13:17

Tgt Ion: 77 Resp: 42837

Ion Ratio Lower Upper

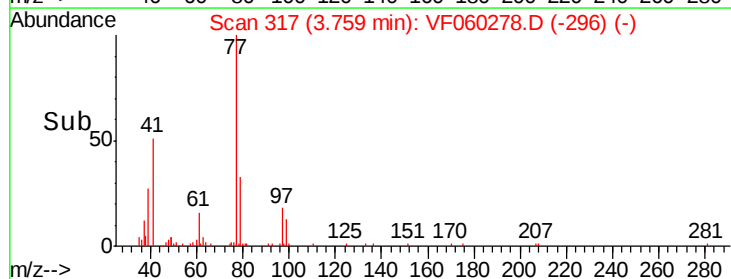
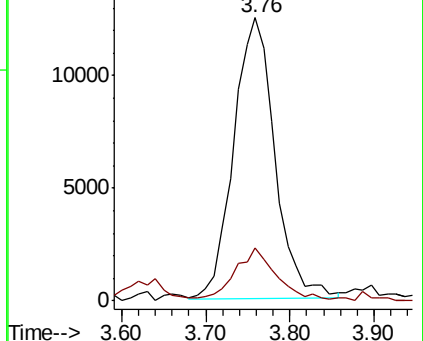
77 100

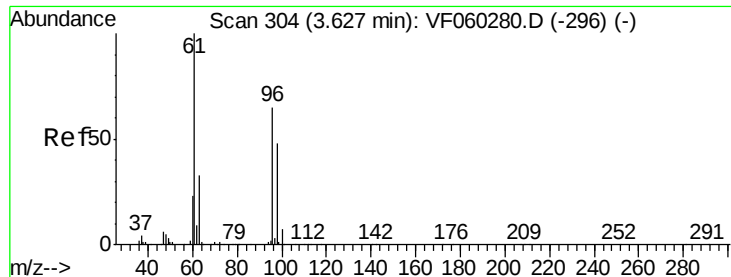
97 18.5 9.3 27.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



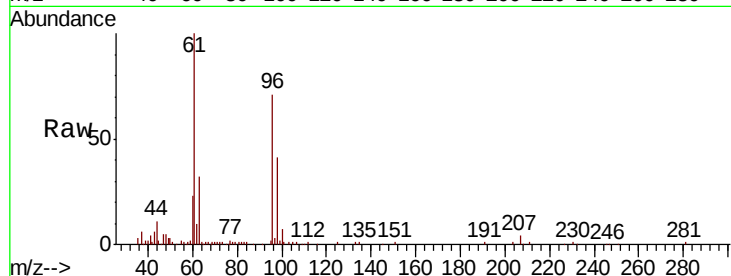


#27

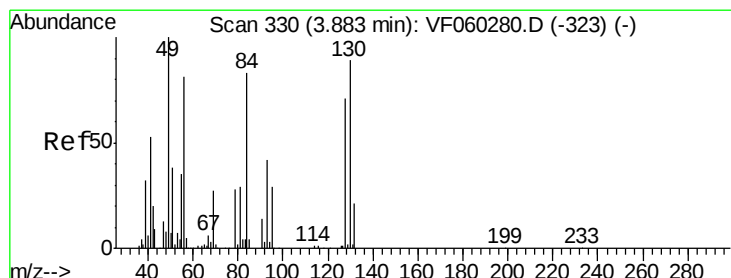
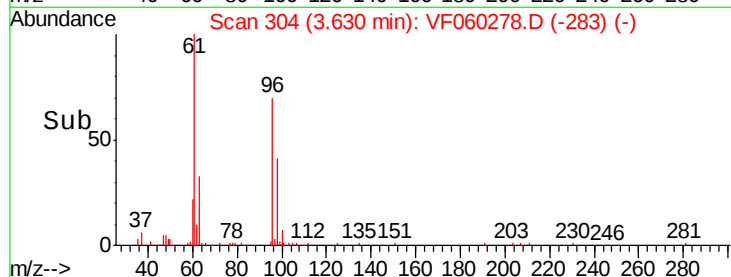
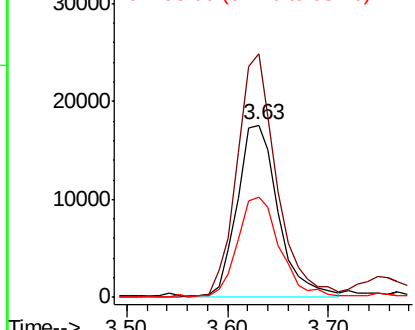
cis-1,2-Dichloroethene
 Concen: 12.025 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 50218
 Ion Ratio Lower Upper
 96 100
 61 136.0 0.0 304.8
 98 56.1 0.0 146.4



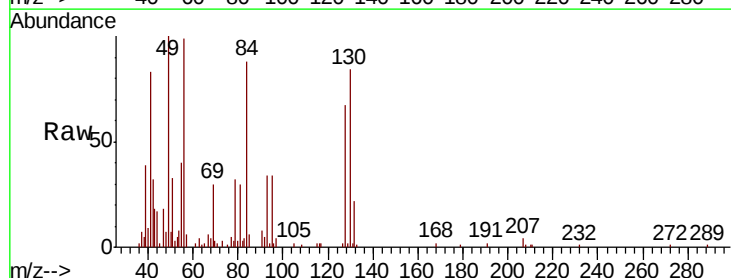
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



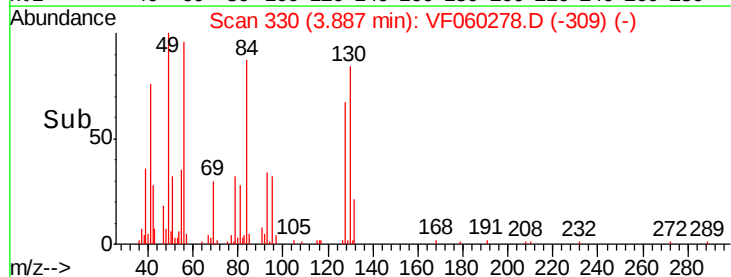
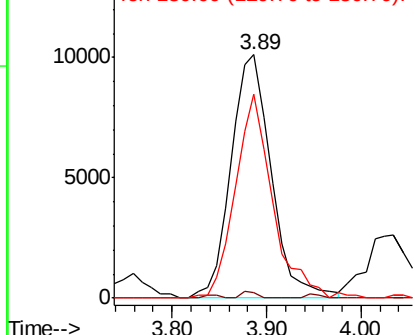
#28

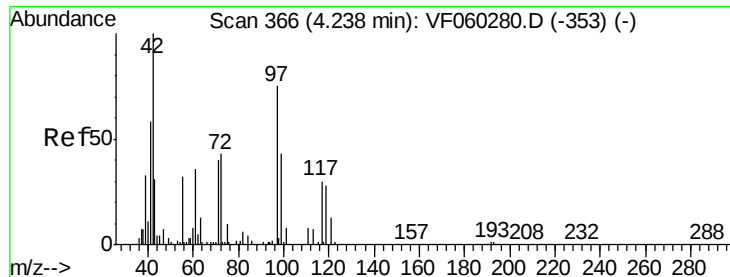
Bromochloromethane
 Concen: 11.678 ug/l
 RT: 3.89 min Scan# 330
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion: 49 Resp: 29880
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.9 70.3 105.5



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V

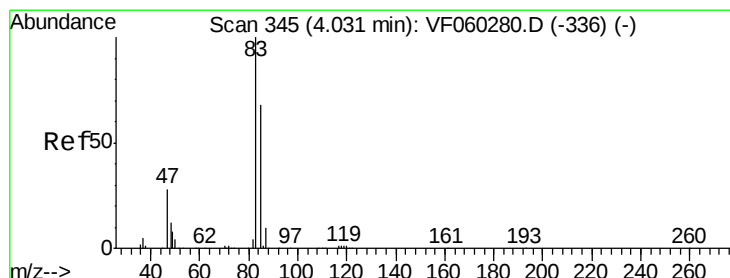
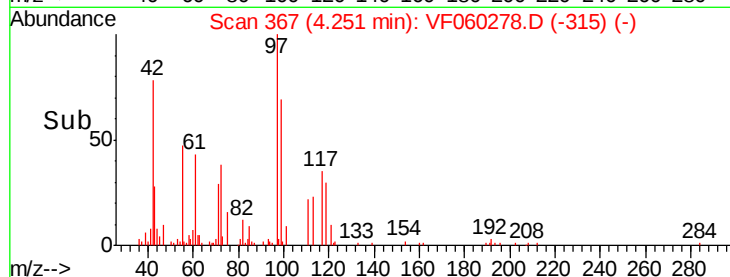
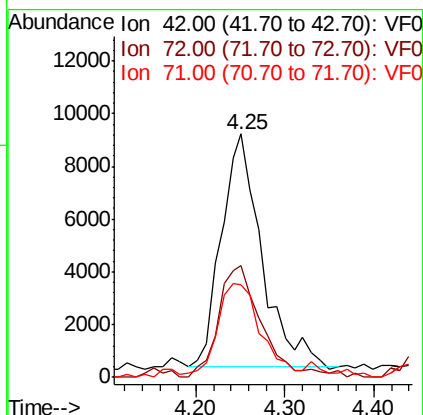
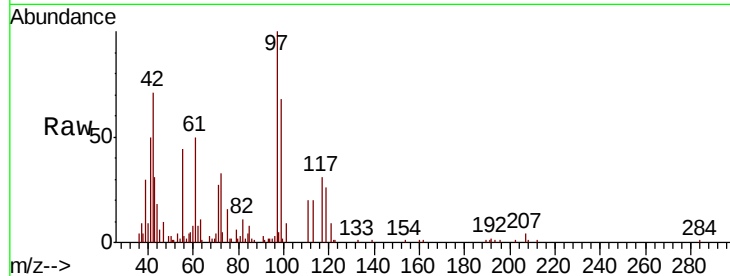




#29
Tetrahydrofuran
Concen: 54.883 ug/l
RT: 4.25 min Scan# 367
Delta R.T. 0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

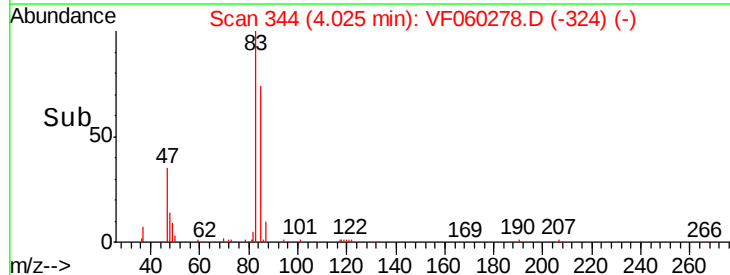
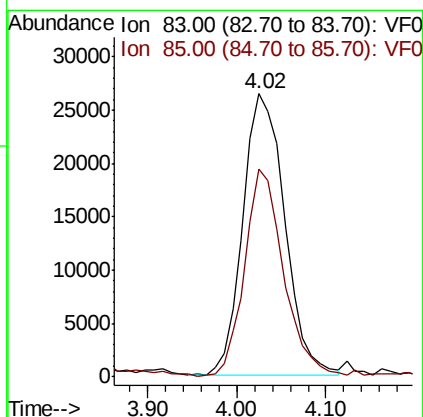
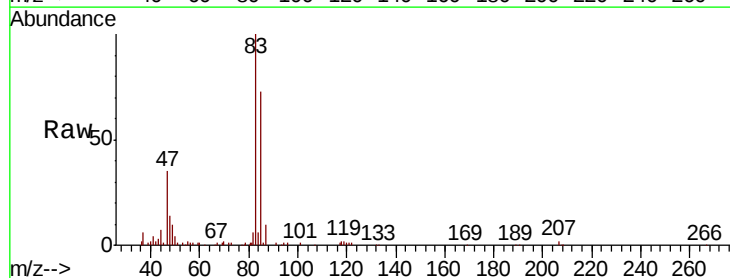
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

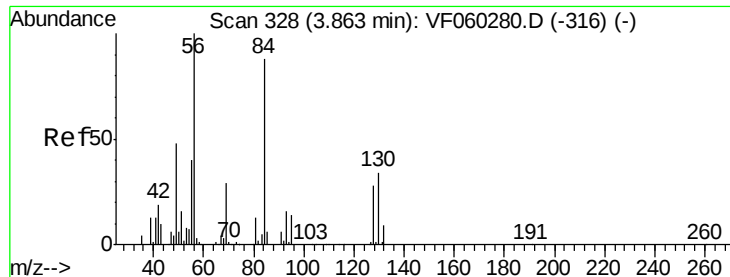
Tgt Ion: 42 Resp: 27746
Ion Ratio Lower Upper
42 100
72 52.0 32.6 49.0#
71 40.3 32.7 49.1



#30
Chloroform
Concen: 10.863 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion: 83 Resp: 86144
Ion Ratio Lower Upper
83 100
85 73.5 54.9 82.3

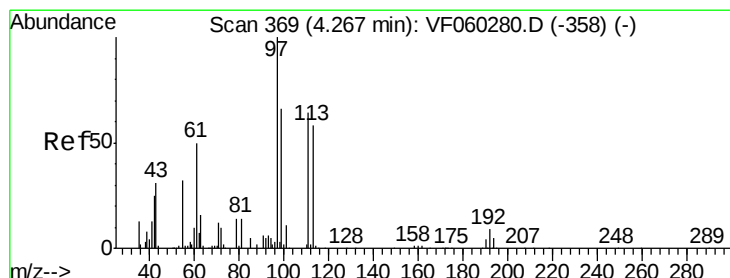
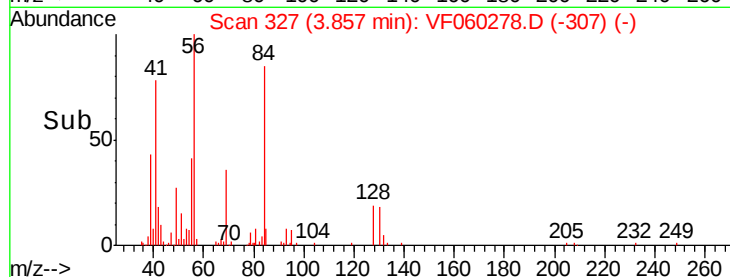
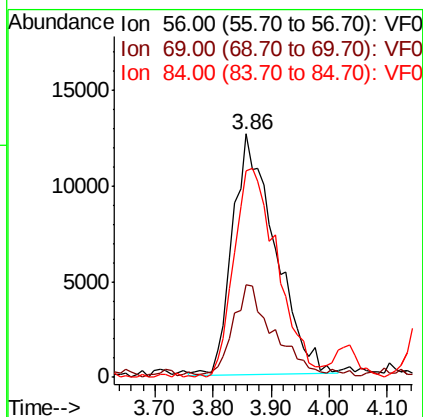
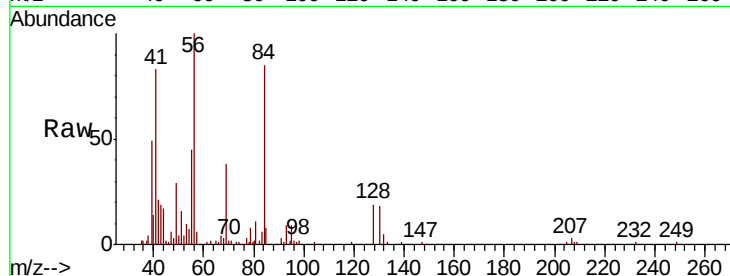




#31
Cyclohexane
Concen: 11.622 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

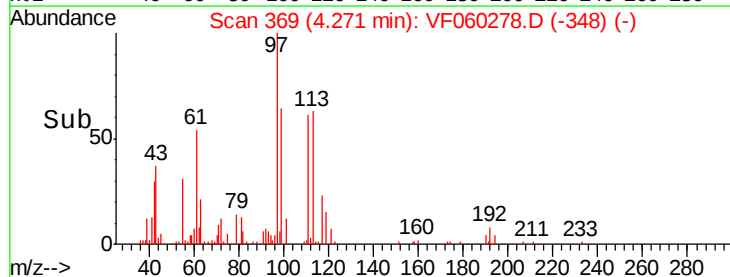
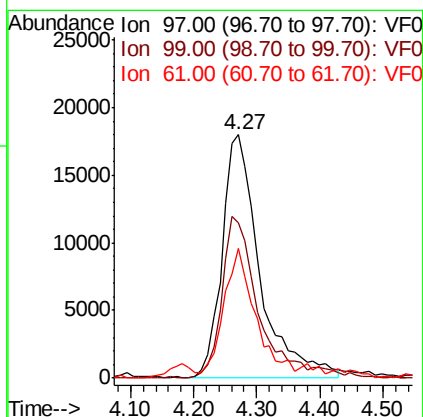
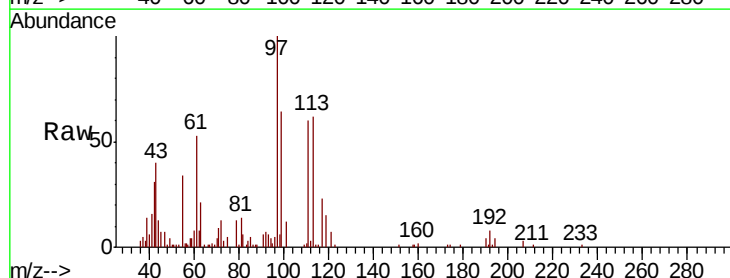
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

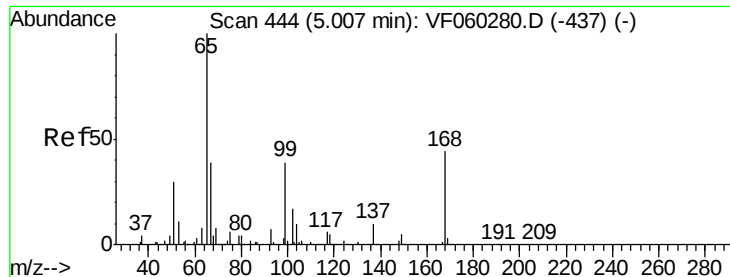
Tgt Ion: 56 Resp: 64515
Ion Ratio Lower Upper
56 100
69 38.0 23.8 35.6#
84 85.0 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 11.922 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion: 97 Resp: 74599
Ion Ratio Lower Upper
97 100
99 63.9 53.0 79.4
61 53.3 40.6 61.0





#33

1,2-Dichloroethane-d4

Concen: 10.336 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

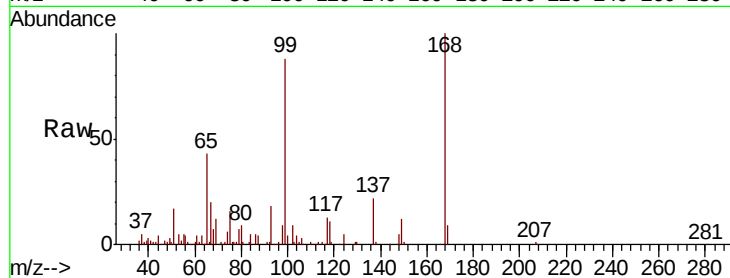
VSTDIC010

Tgt Ion: 65 Resp: 37641

Ion Ratio Lower Upper

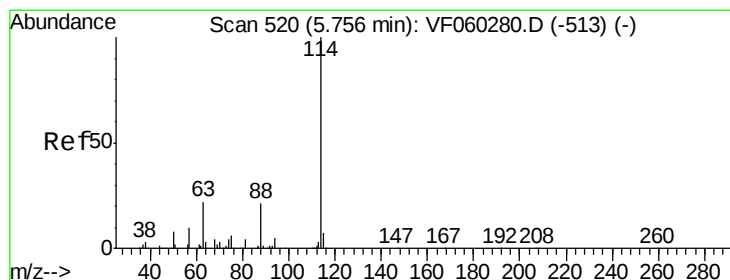
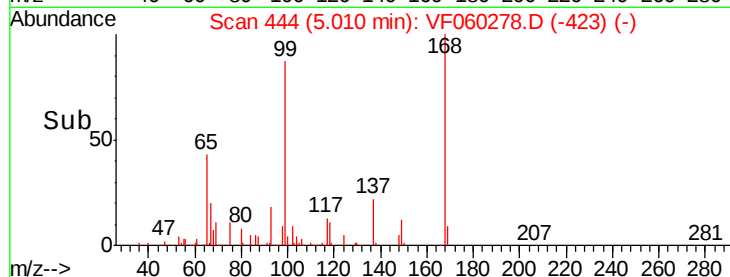
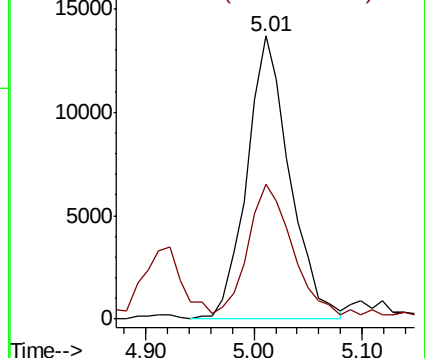
65 100

67 47.7 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

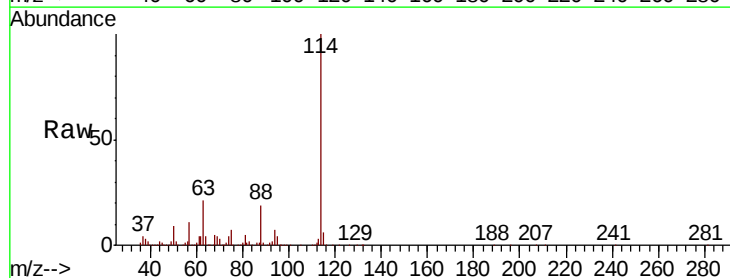
Tgt Ion: 114 Resp: 446435

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

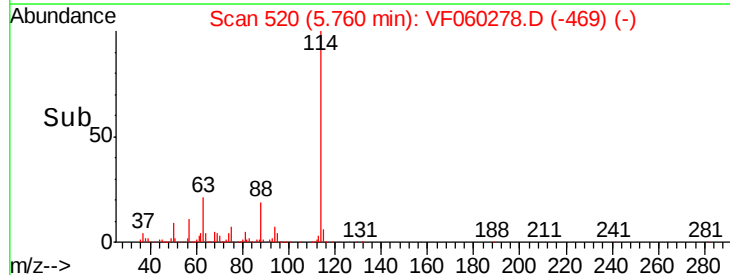
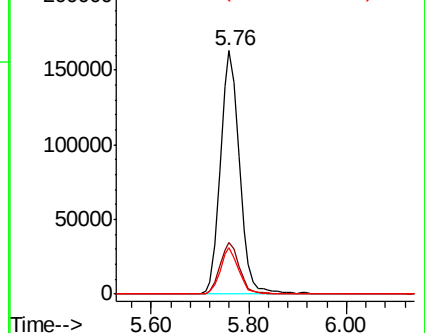
88 19.0 0.0 41.2

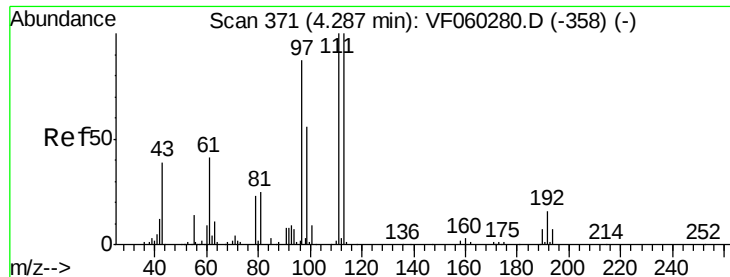


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 11.184 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

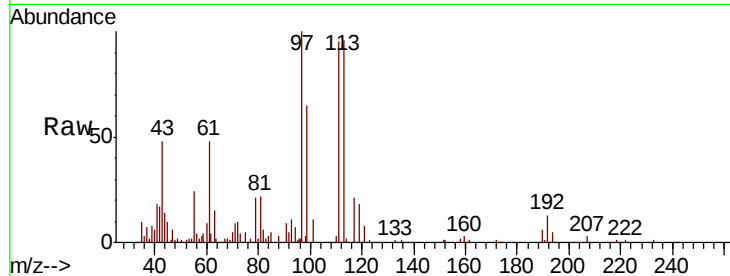
Tgt Ion:113 Resp: 44508

Ion Ratio Lower Upper

113 100

111 98.5 79.6 119.4

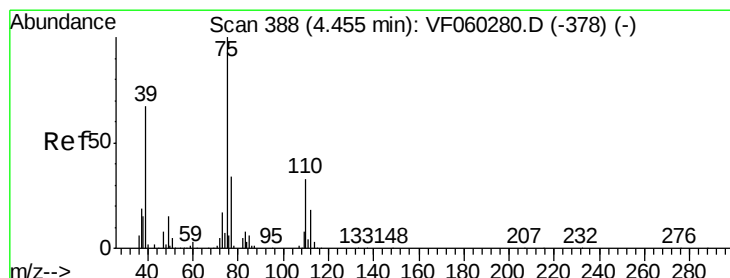
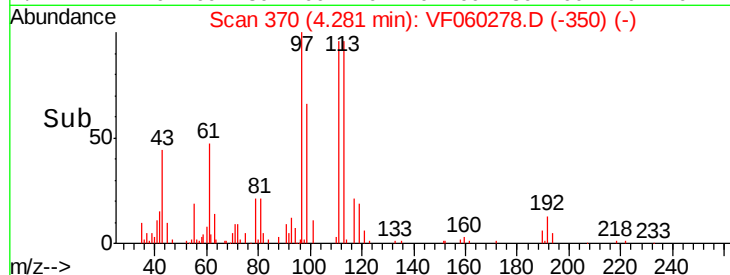
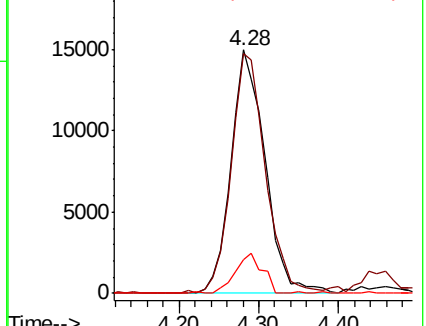
192 13.8 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 12.421 ug/l

RT: 4.46 min Scan# 388

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

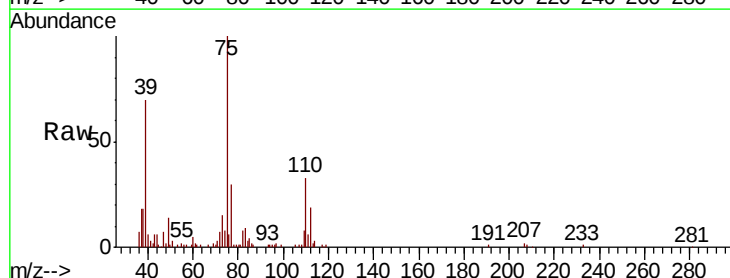
Tgt Ion: 75 Resp: 69167

Ion Ratio Lower Upper

75 100

110 33.2 16.4 49.2

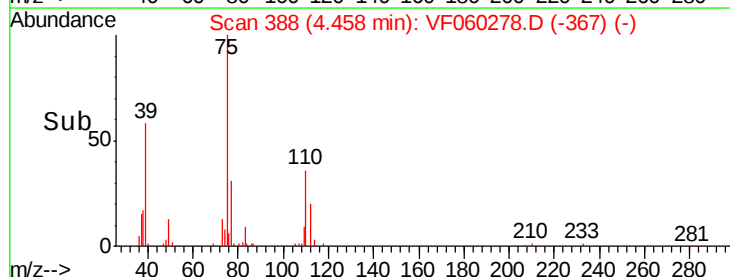
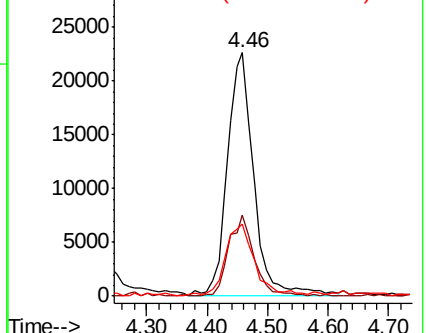
77 29.7 27.3 40.9

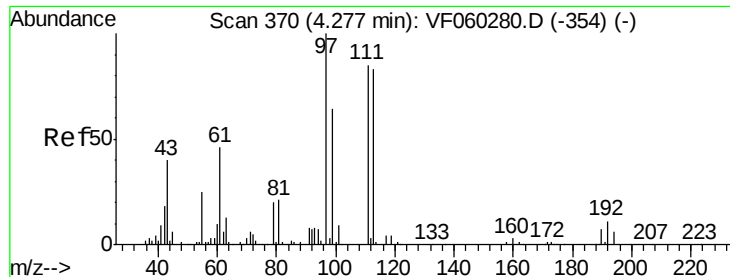


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

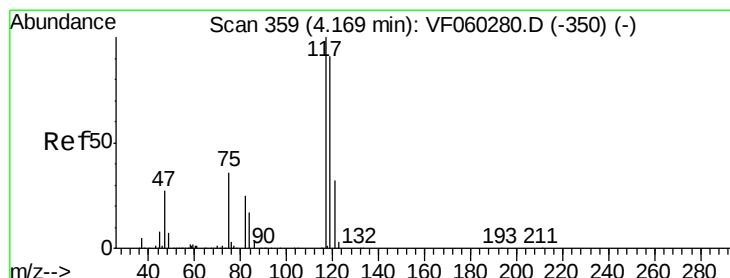
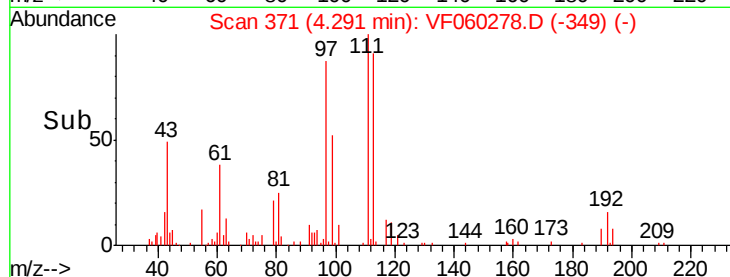
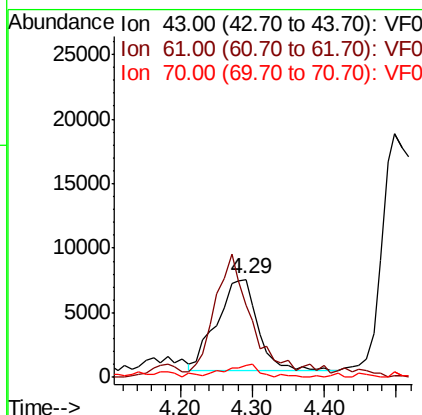
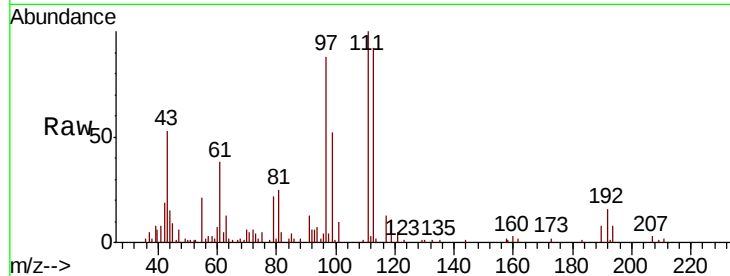




#37
Ethyl Acetate
Concen: 11.868 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

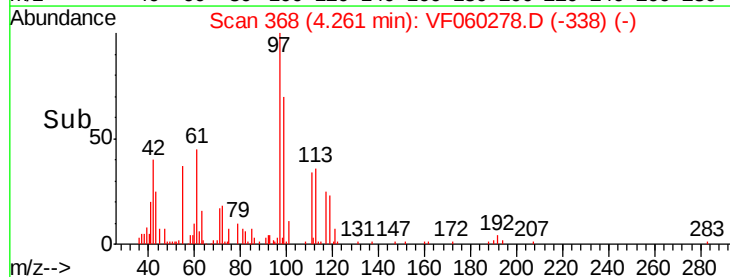
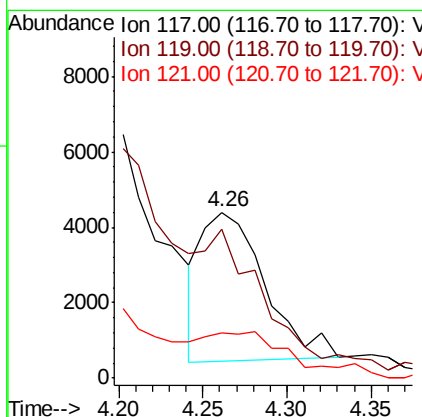
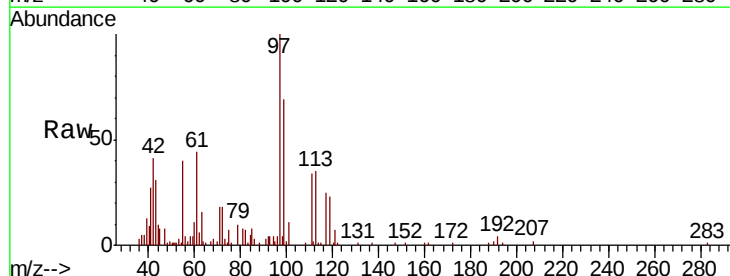
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

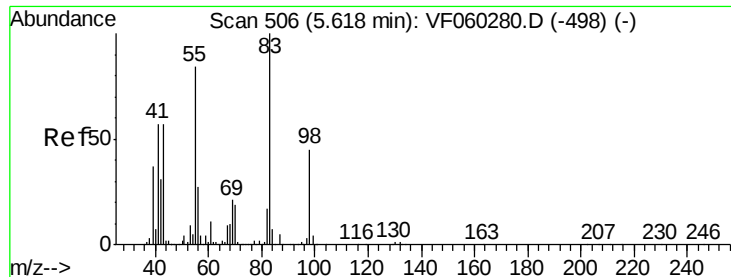
Tgt Ion: 43 Resp: 27965
Ion Ratio Lower Upper
43 100
61 72.9 91.1 136.7#
70 11.6 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 1.615 ug/l
RT: 4.26 min Scan# 368
Delta R.T. 0.09 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion: 117 Resp: 10263
Ion Ratio Lower Upper
117 100
119 89.7 73.0 109.6
121 27.2 25.4 38.2

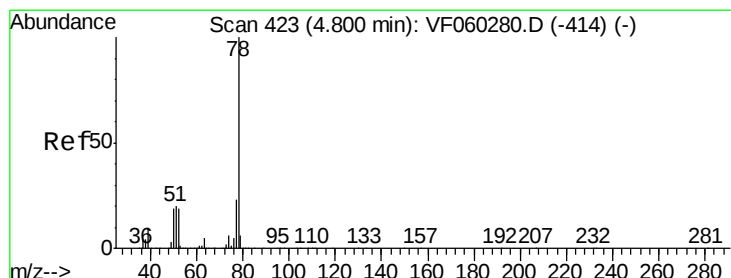
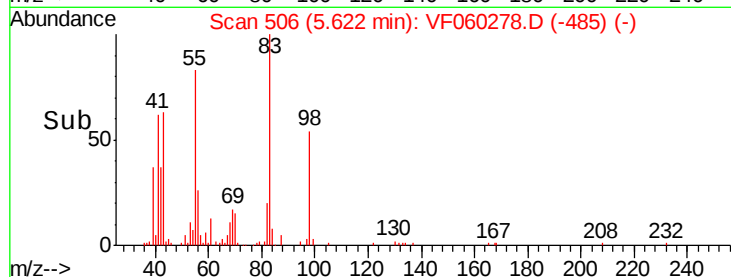
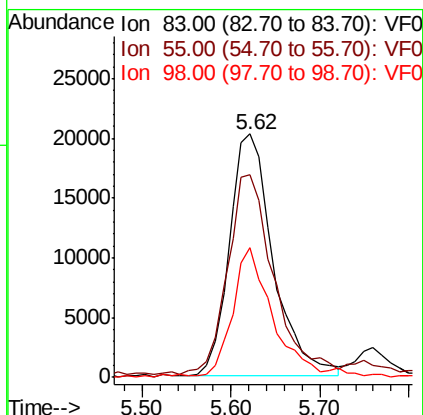
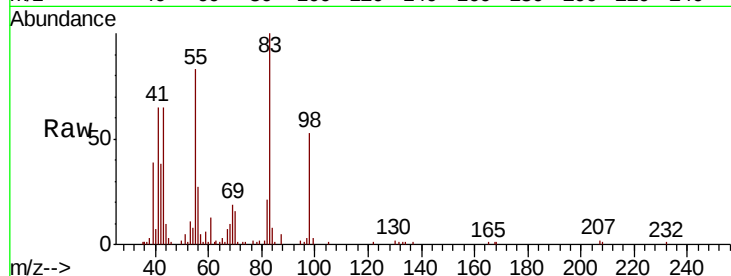




#39
Methylcyclohexane
Concen: 11.495 ug/l
RT: 5.62 min Scan# 506
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

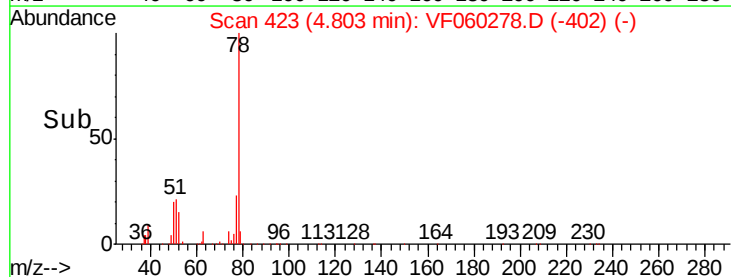
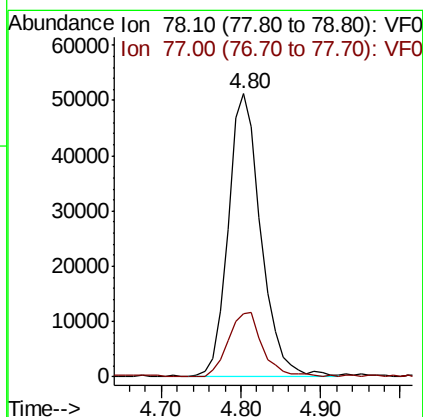
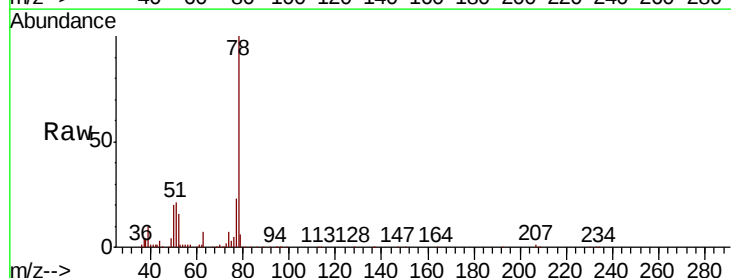
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

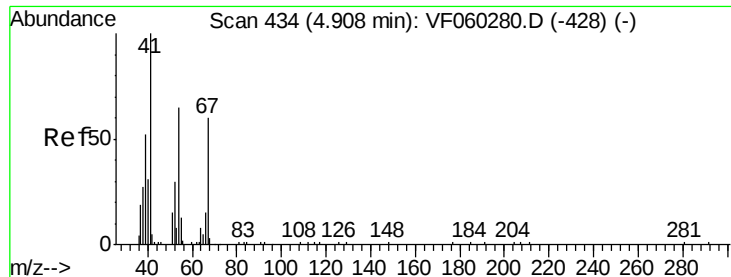
Tgt Ion: 83 Resp: 69378
Ion Ratio Lower Upper
83 100
55 83.5 67.3 100.9
98 53.1 36.1 54.1



#40
Benzene
Concen: 11.680 ug/l
RT: 4.80 min Scan# 423
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion: 78 Resp: 147476
Ion Ratio Lower Upper
78 100
77 22.5 18.4 27.6





#41

Methacrylonitrile

Concen: 10.791 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 13797

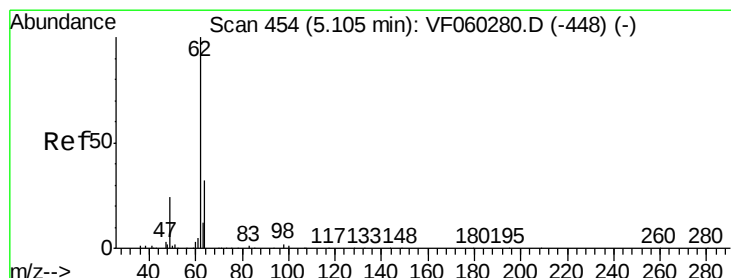
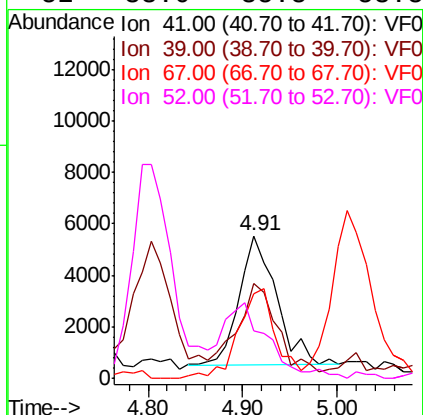
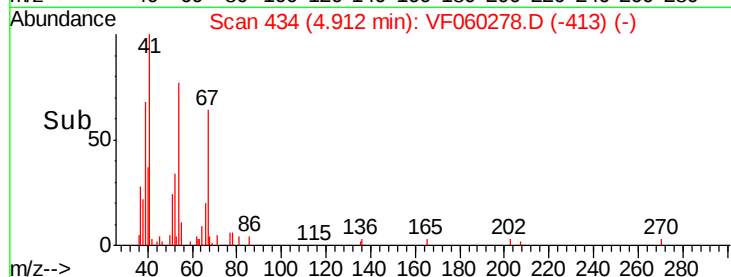
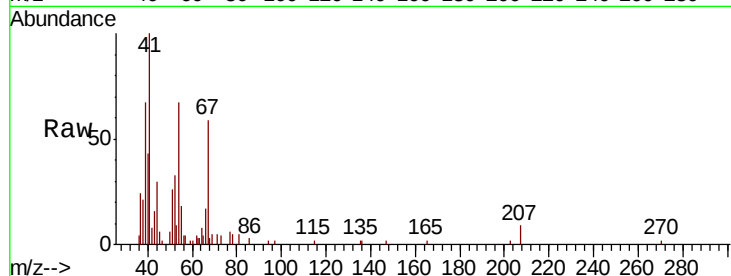
Ion Ratio Lower Upper

41 100

39 66.5 49.1 73.7

67 59.5 48.2 72.4

52 33.0 35.8 53.8#



#42

1,2-Dichloroethane

Concen: 11.891 ug/l

RT: 5.11 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF060278.D

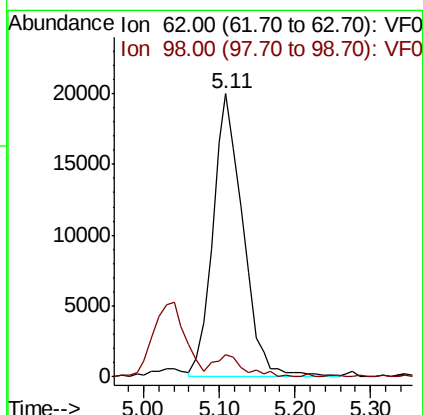
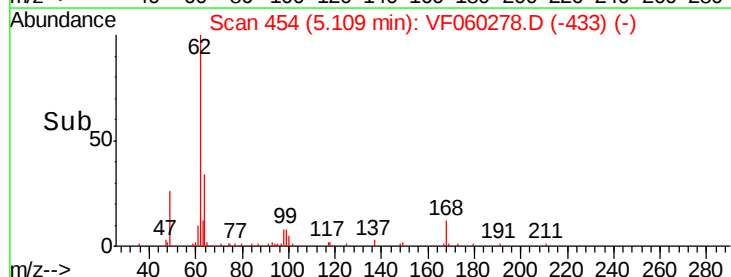
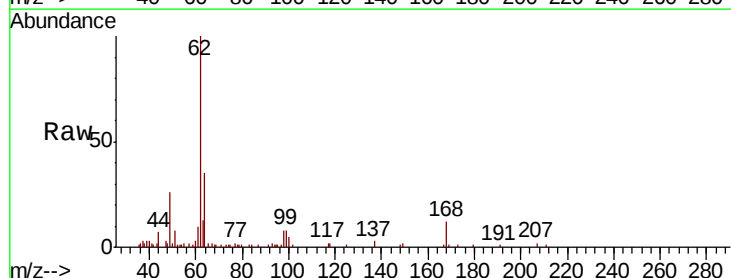
Acq: 19 Sep 2018 13:17

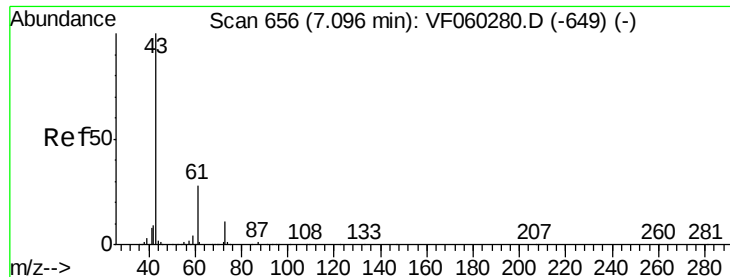
Tgt Ion: 62 Resp: 55263

Ion Ratio Lower Upper

62 100

98 7.7 0.0 14.4





#43

Isopropyl Acetate

Concen: 11.629 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

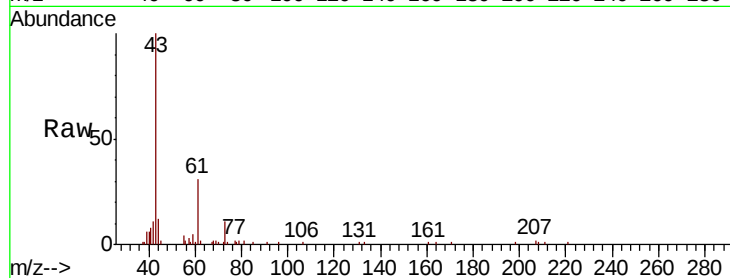
Tgt Ion: 43 Resp: 32986

Ion Ratio Lower Upper

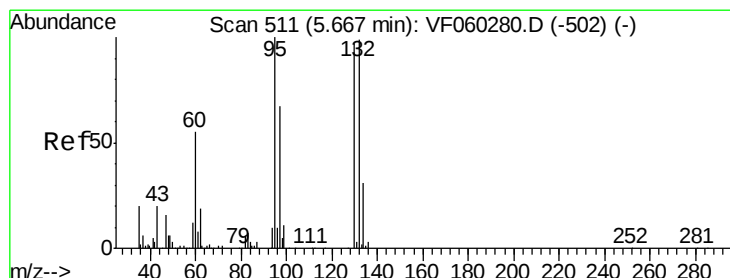
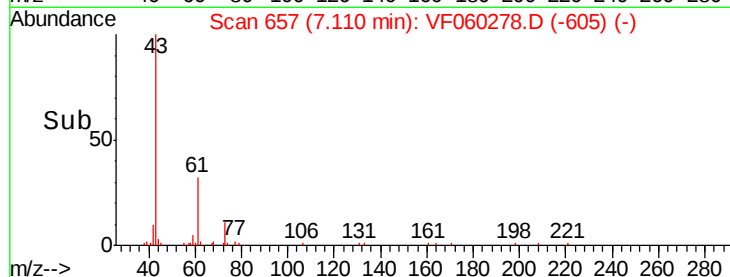
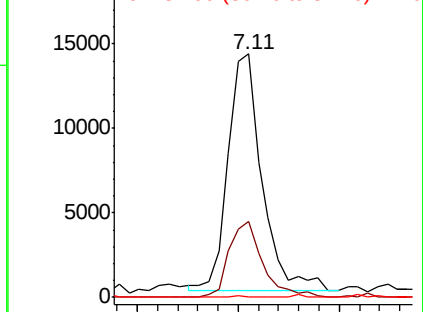
43 100

61 31.1 22.4 33.6

87 0.0 0.6 0.8#



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: 11.558 ug/l

RT: 5.67 min Scan# 511

Delta R.T. 0.00 min

Lab File: VF060278.D

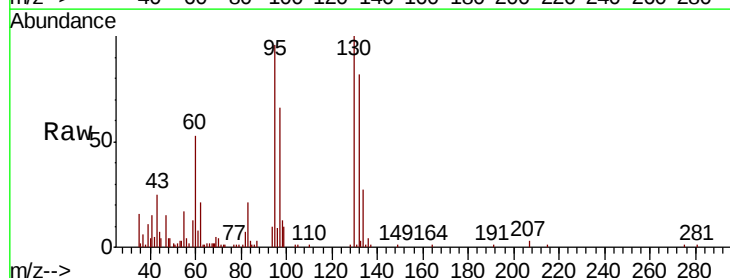
Acq: 19 Sep 2018 13:17

Tgt Ion: 130 Resp: 43432

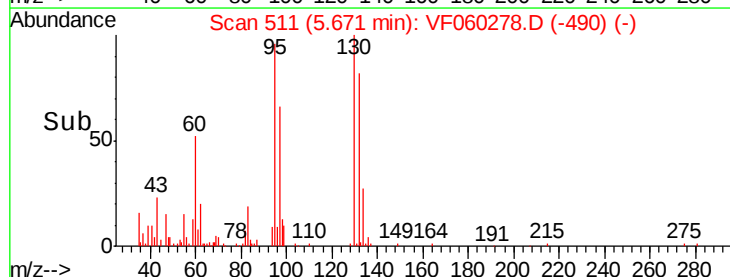
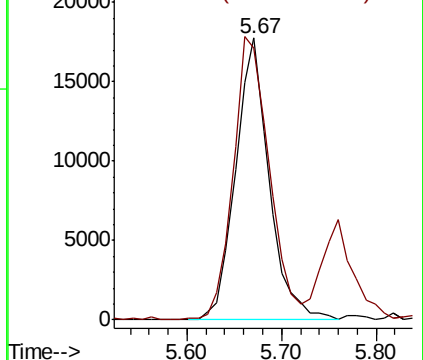
Ion Ratio Lower Upper

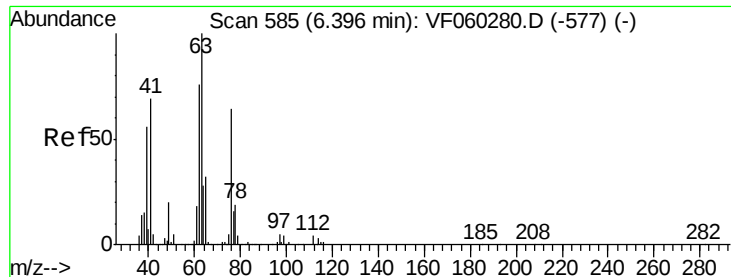
130 100

95 96.5 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 10.943 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

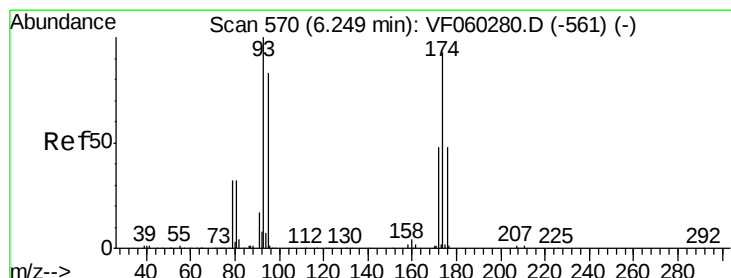
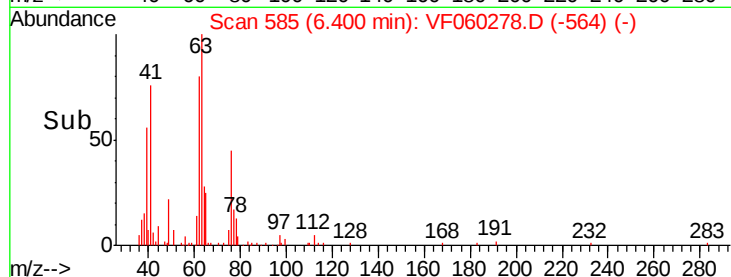
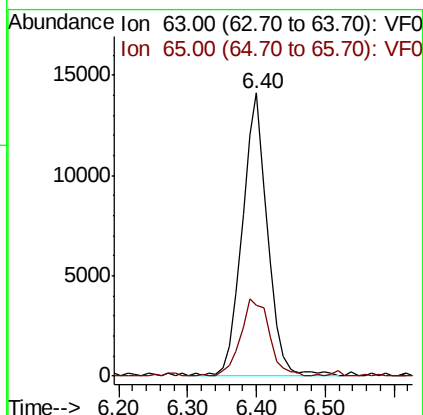
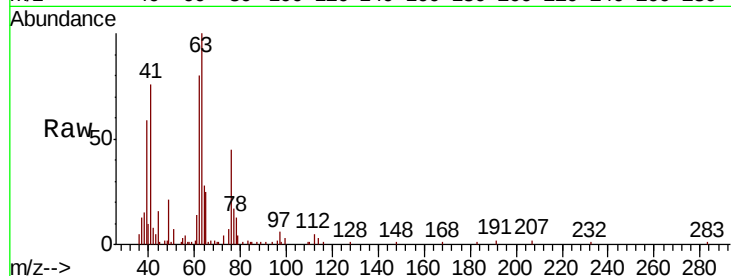
VSTDIC010

Tgt Ion: 63 Resp: 35761

Ion Ratio Lower Upper

63 100

65 25.1 26.2 39.4#



#46

Dibromomethane

Concen: 11.887 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

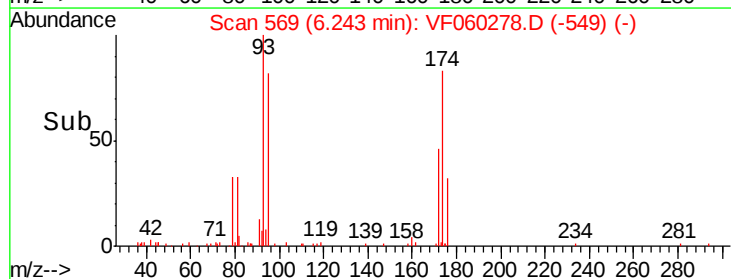
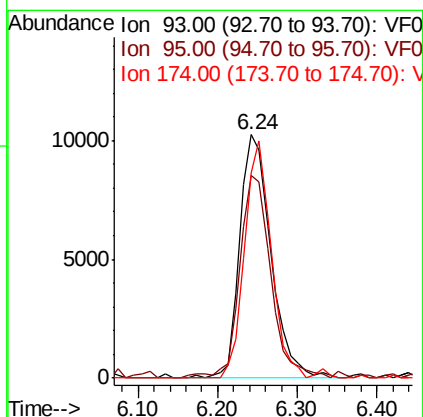
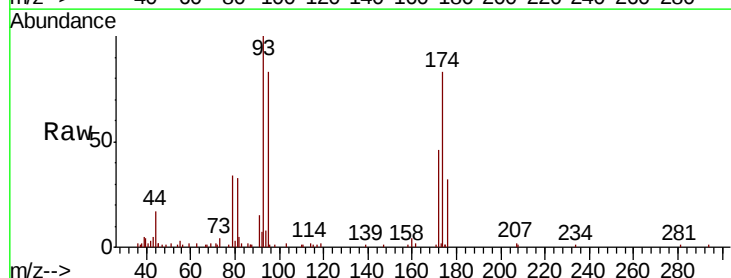
Tgt Ion: 93 Resp: 27766

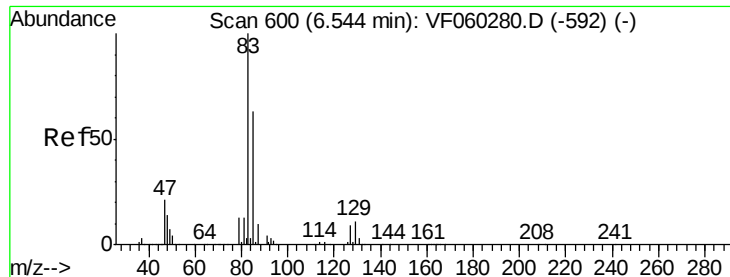
Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.6

174 84.4 74.8 112.2





#47

Bromodichloromethane

Concen: 11.696 ug/l

RT: 6.54 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

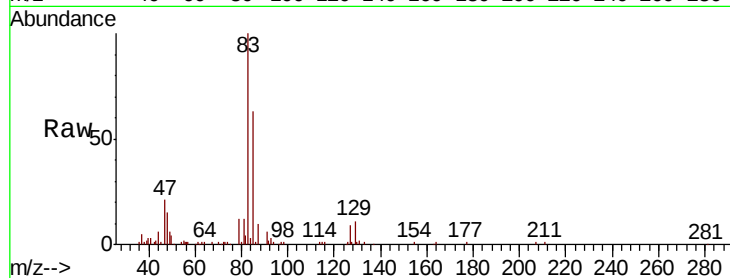
Tgt Ion: 83 Resp: 65657

Ion Ratio Lower Upper

83 100

85 62.6 50.6 76.0

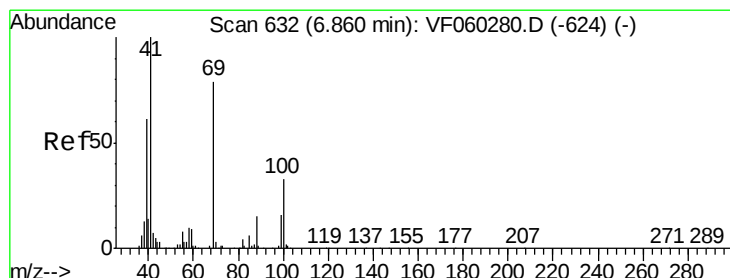
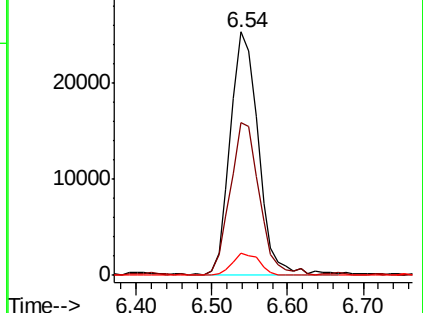
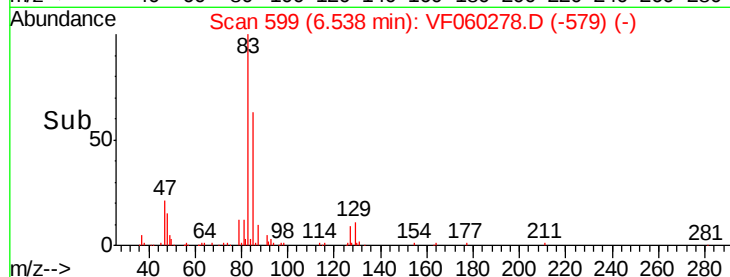
127 10.2 7.1 10.7



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: 12.063 ug/l

RT: 6.86 min Scan# 632

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

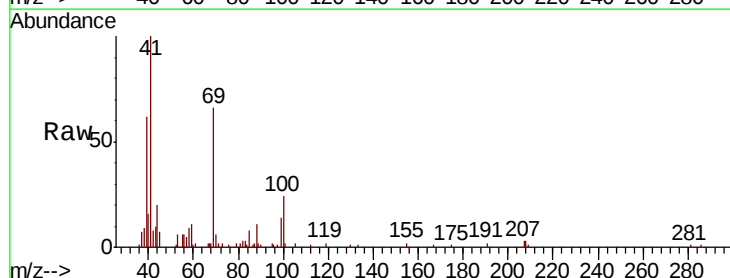
Tgt Ion: 41 Resp: 24021

Ion Ratio Lower Upper

41 100

69 65.8 62.6 94.0

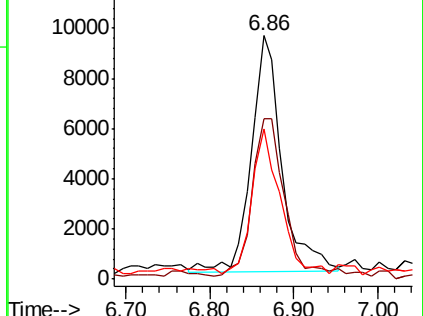
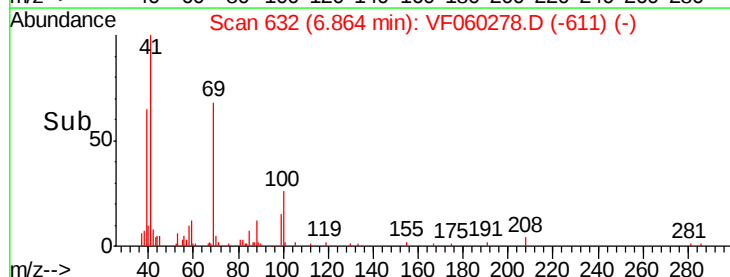
39 61.9 49.1 73.7

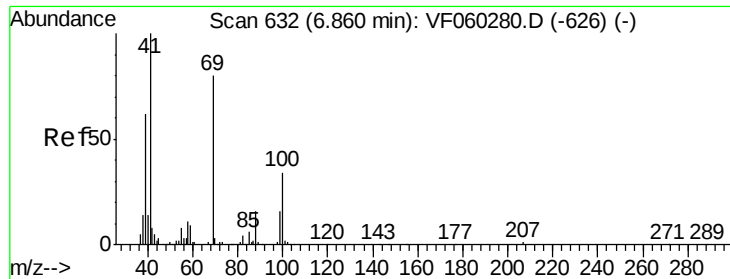


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

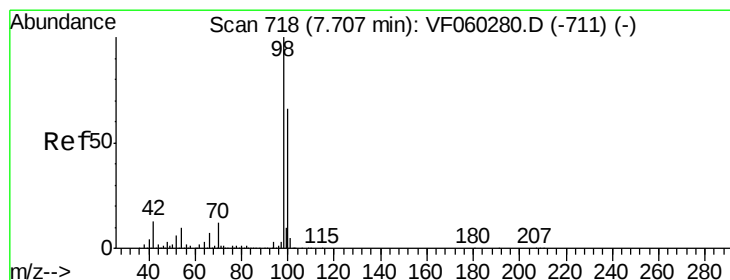
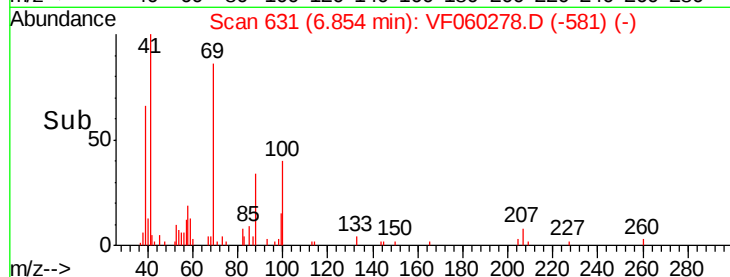
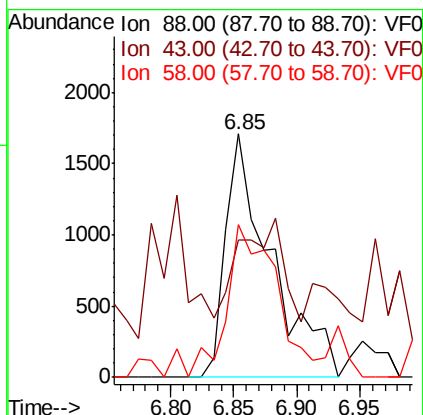
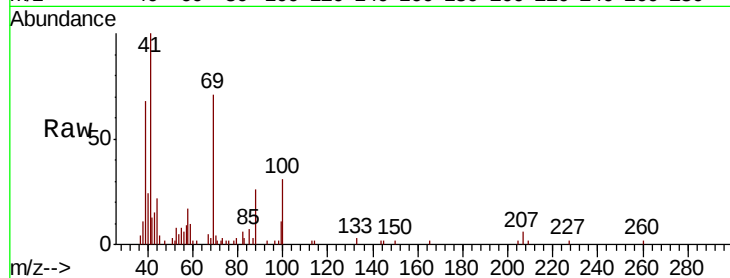




#49
1,4-Dioxane
Concen: 239.525 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

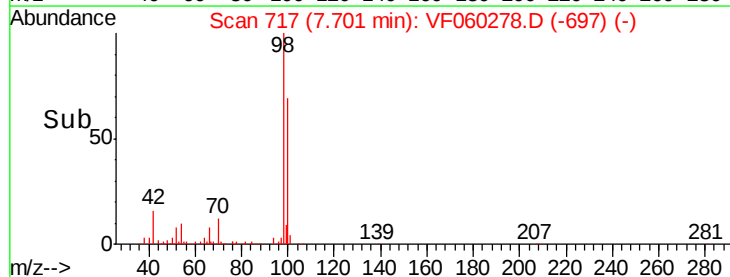
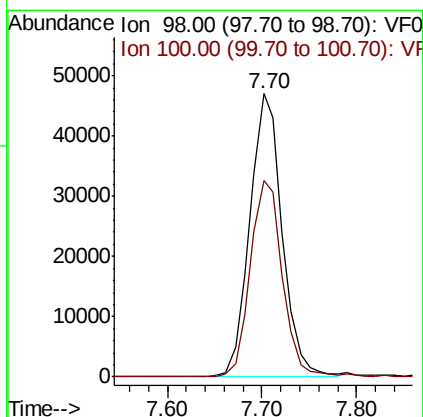
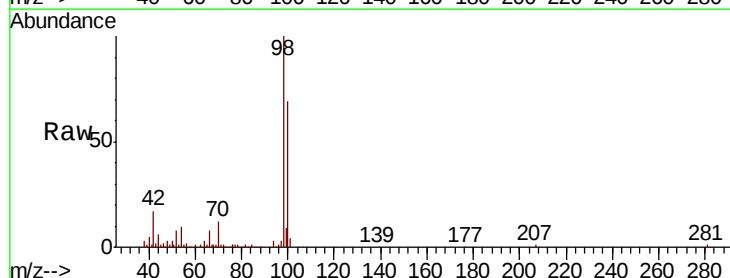
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

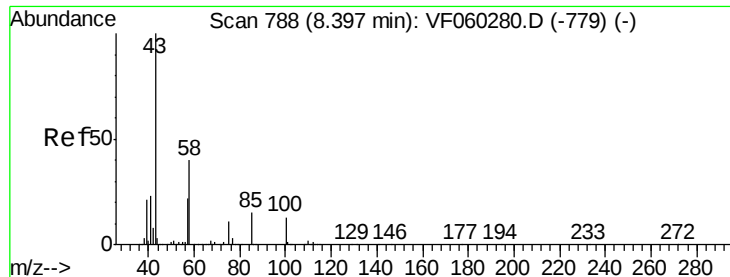
Tgt Ion: 88 Resp: 4261
Ion Ratio Lower Upper
88 100
43 56.3 40.2 60.4
58 62.9 56.7 85.1



#50
Toluene-d8
Concen: 10.751 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion: 98 Resp: 111423
Ion Ratio Lower Upper
98 100
100 69.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 55.070 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

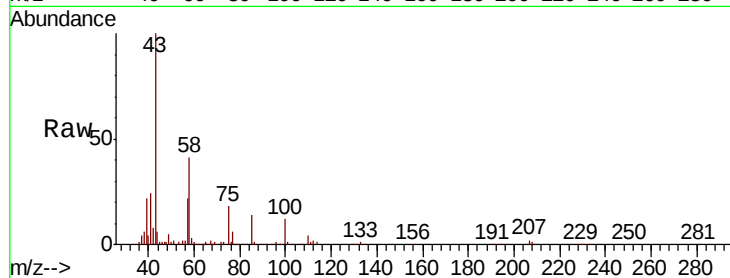
VSTDIC010

Tgt Ion: 43 Resp: 120399

Ion Ratio Lower Upper

43 100

58 41.0 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

50000

40000

30000

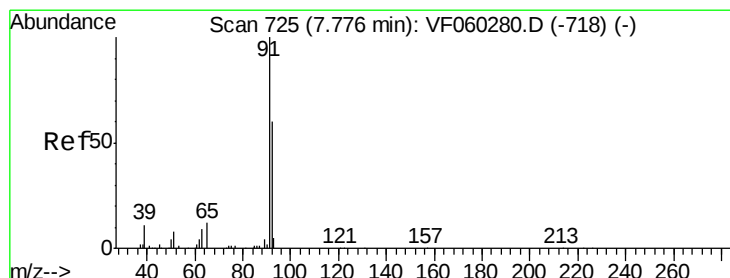
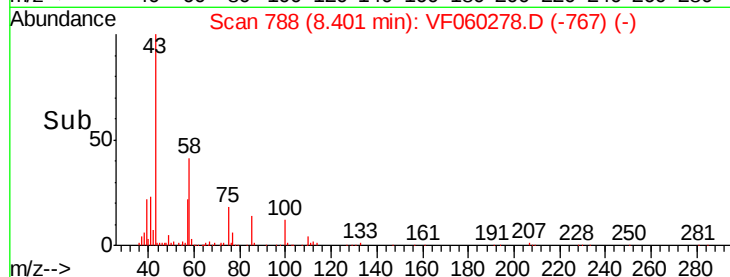
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 11.349 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060278.D

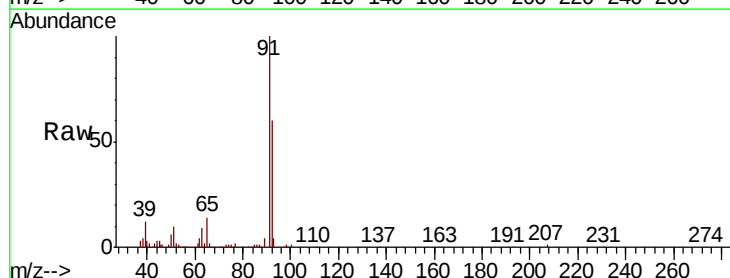
Acq: 19 Sep 2018 13:17

Tgt Ion: 92 Resp: 90658

Ion Ratio Lower Upper

92 100

91 166.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.77

60000

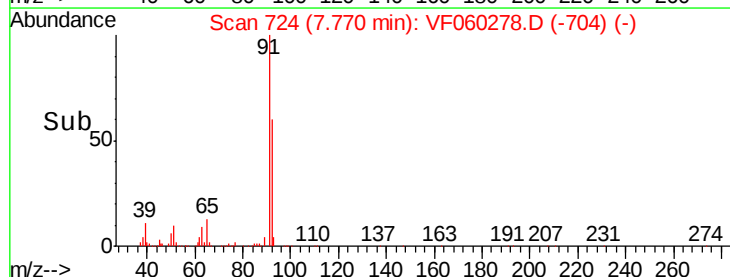
40000

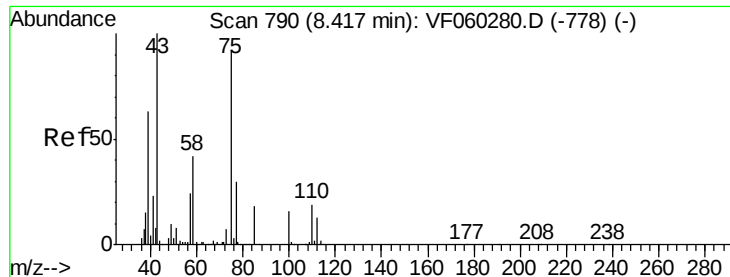
20000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 10.948 ug/l

RT: 8.42 min Scan# 790

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

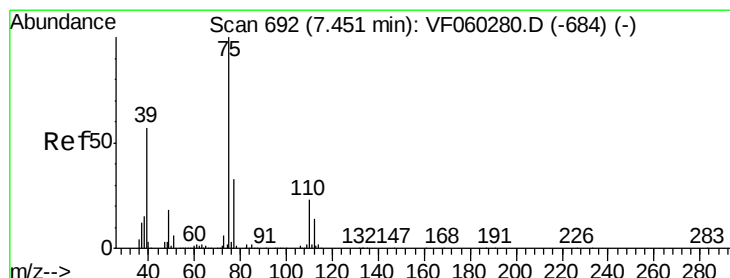
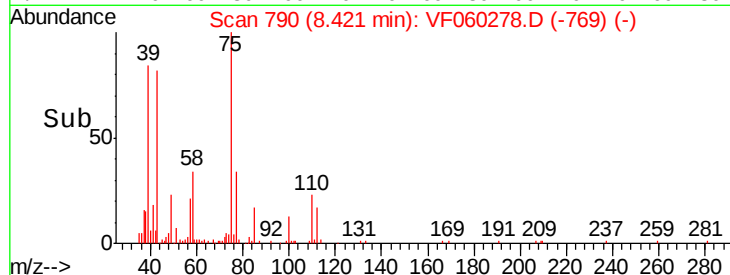
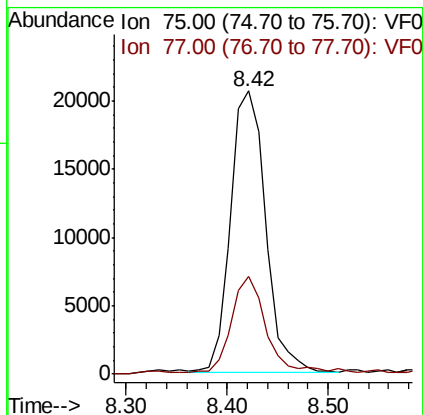
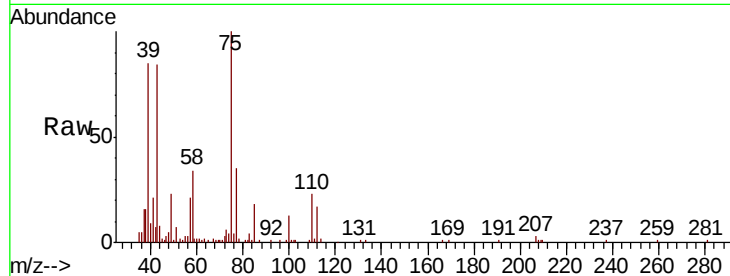
VSTDIC010

Tgt Ion: 75 Resp: 49573

Ion Ratio Lower Upper

75 100

77 34.6 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 11.541 ug/l

RT: 7.46 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

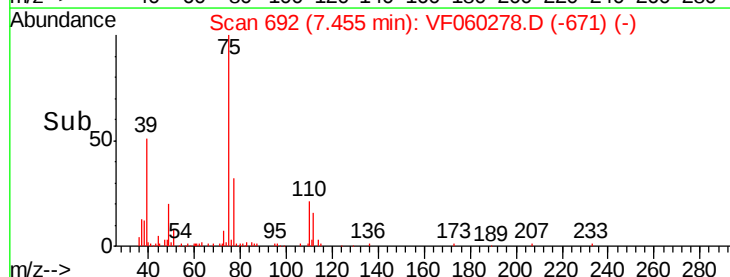
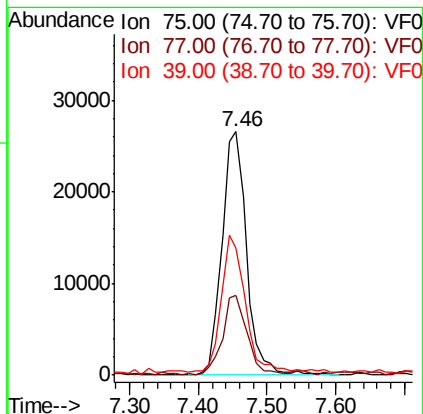
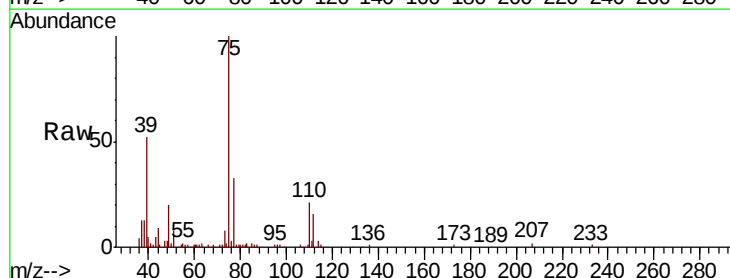
Tgt Ion: 75 Resp: 65834

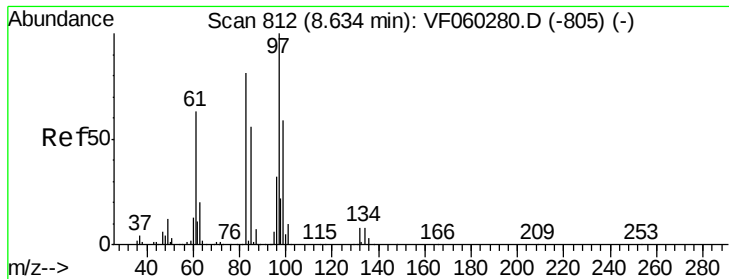
Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5

39 52.2 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 10.852 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 26310

Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.3	97.9
85	56.3	44.7	67.1
99	65.3	47.0	70.4

97 100

83 80.2 65.3 97.9

85 56.3 44.7 67.1

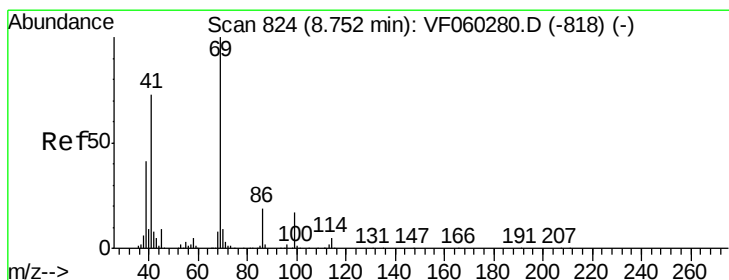
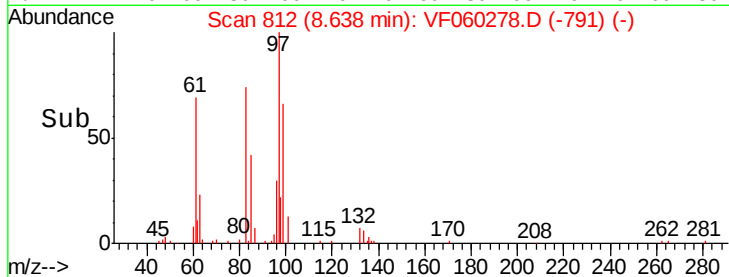
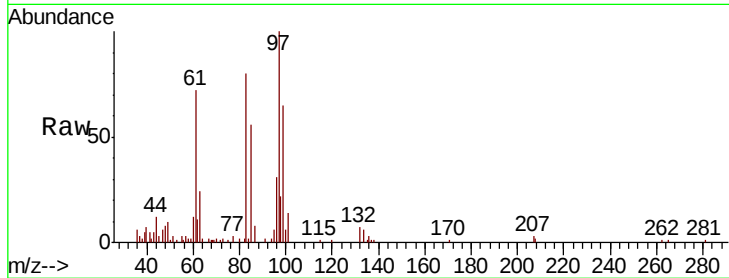
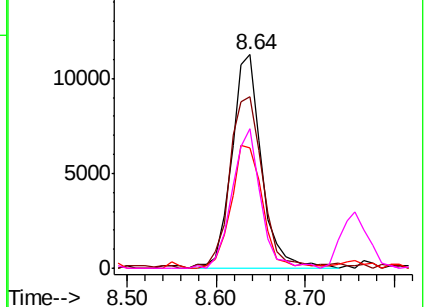
99 65.3 47.0 70.4

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: 11.873 ug/l

RT: 8.76 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tgt Ion: 69 Resp: 34765

Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.4	89.2
39	42.0	33.5	50.3

69 100

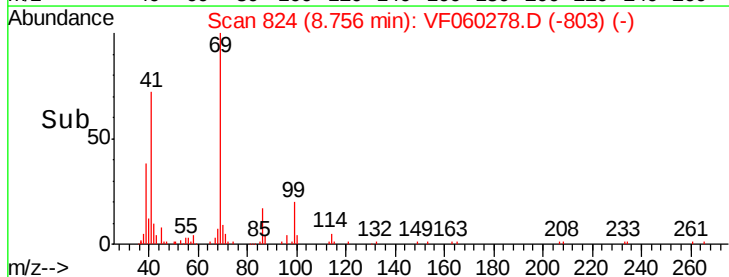
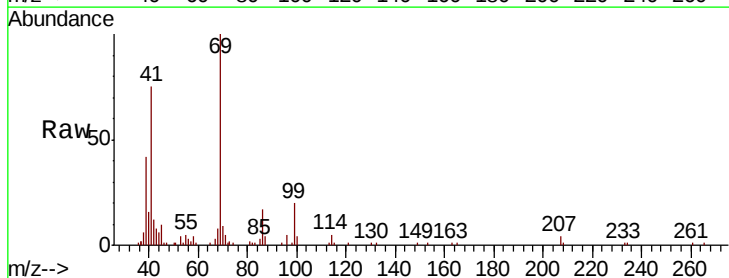
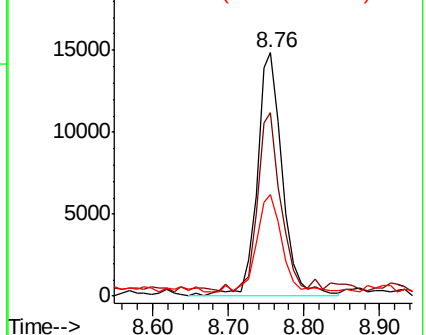
41 75.2 59.4 89.2

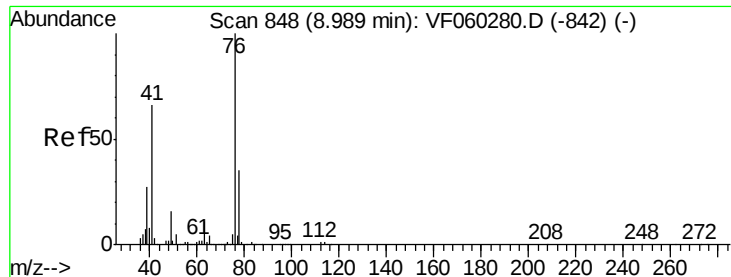
39 42.0 33.5 50.3

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: 10.910 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

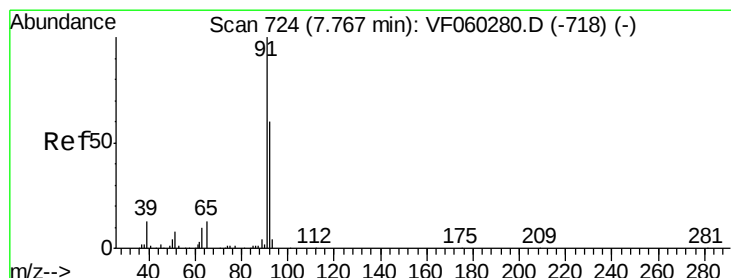
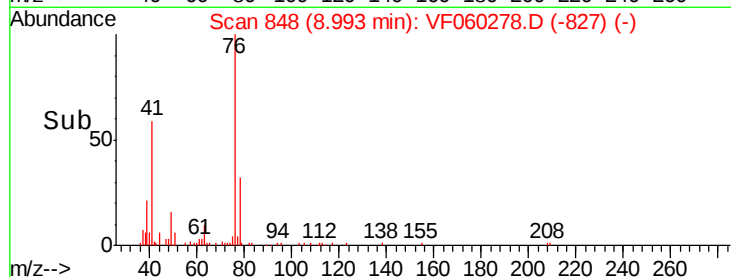
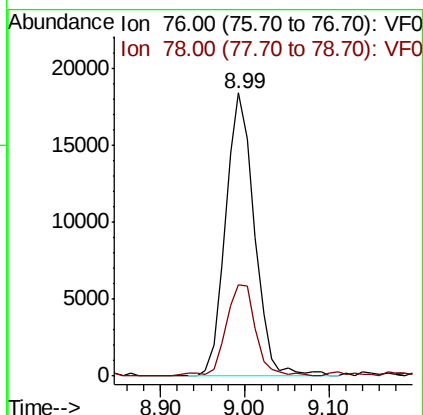
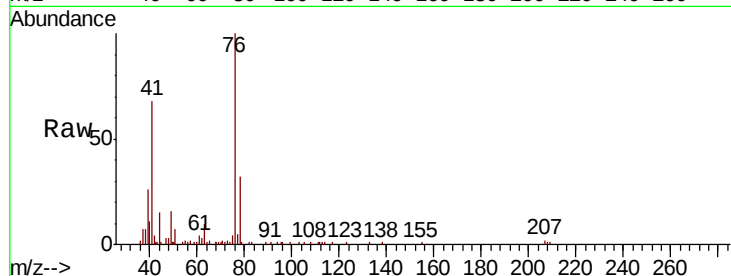
VSTDIC010

Tgt Ion: 76 Resp: 43796

Ion Ratio Lower Upper

76 100

78 32.2 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 58.141 ug/l

RT: 7.77 min Scan# 724

Delta R.T. 0.00 min

Lab File: VF060278.D

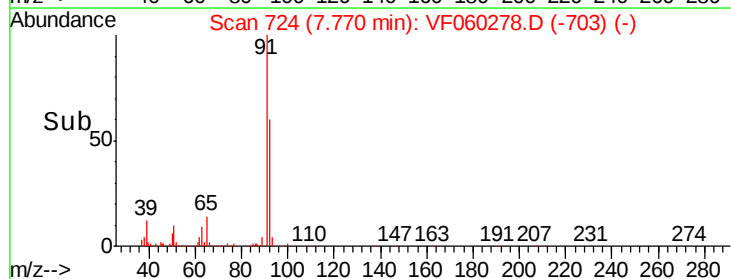
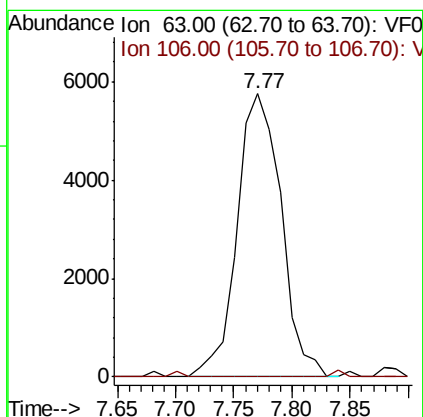
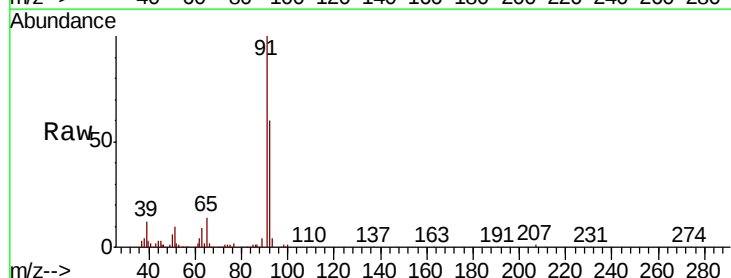
Acq: 19 Sep 2018 13:17

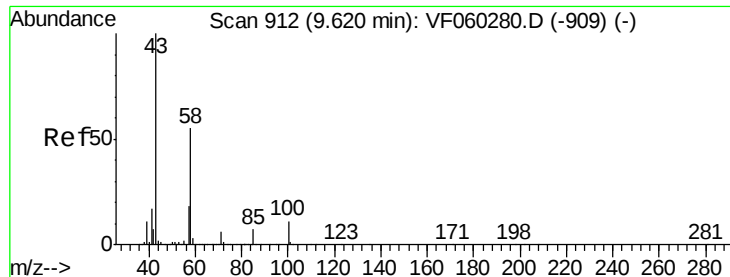
Tgt Ion: 63 Resp: 15050

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

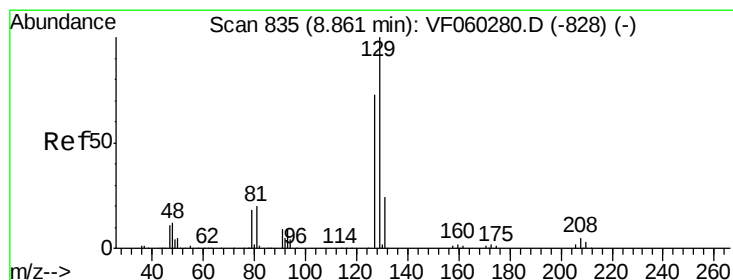
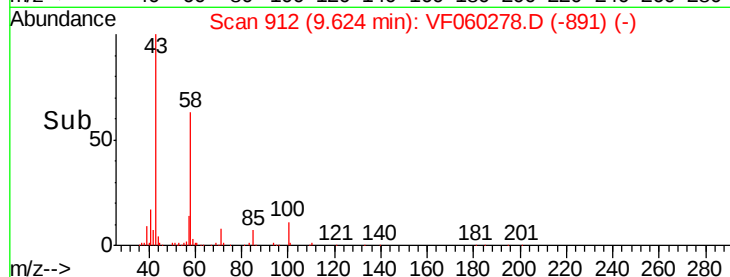
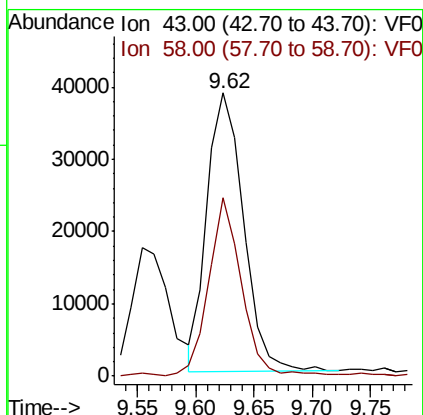
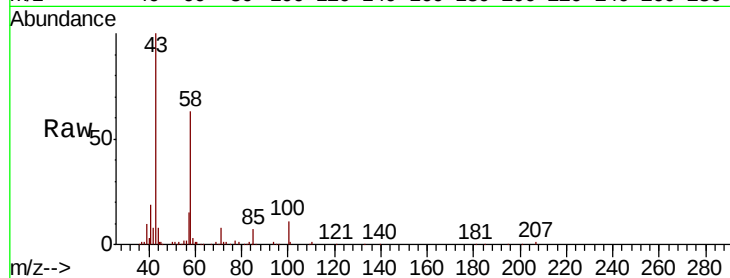




#59
2-Hexanone
Concen: 53.749 ug/l
RT: 9.62 min Scan# 912
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

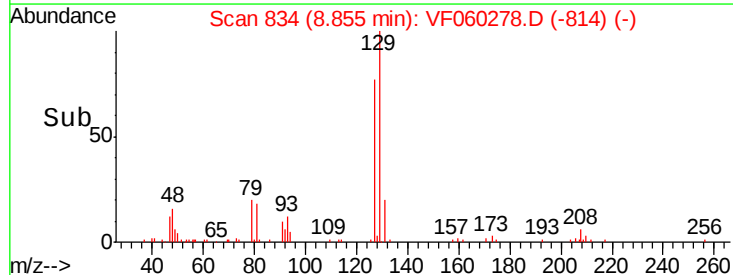
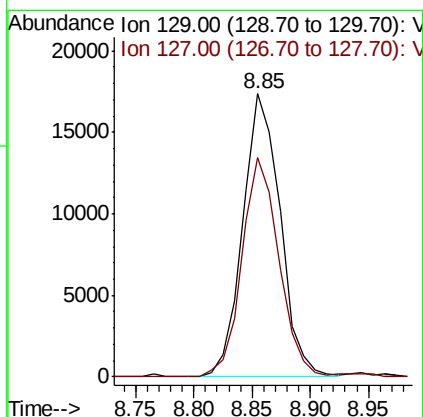
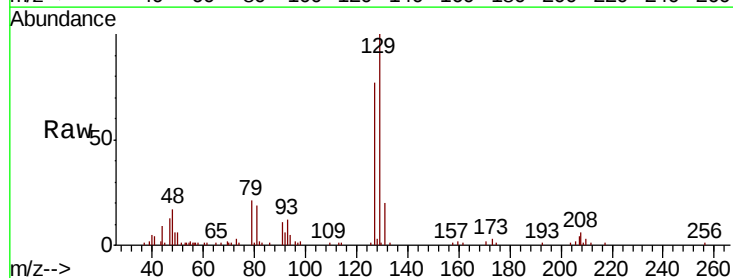
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

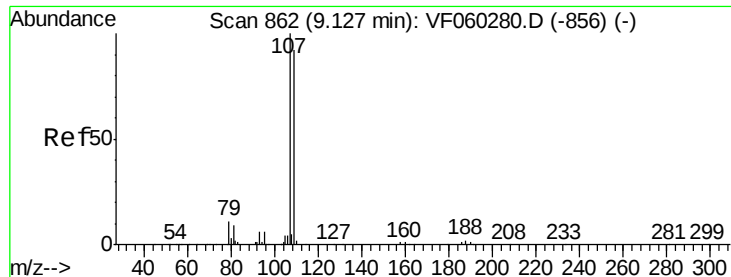
Tgt Ion: 43 Resp: 83669
Ion Ratio Lower Upper
43 100
58 63.0 25.9 77.6



#60
Dibromochloromethane
Concen: 10.723 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion: 129 Resp: 38747
Ion Ratio Lower Upper
129 100
127 76.2 36.6 109.8





#61

1,2-Dibromoethane

Concen: 11.444 ug/l

RT: 9.13 min Scan# 862

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

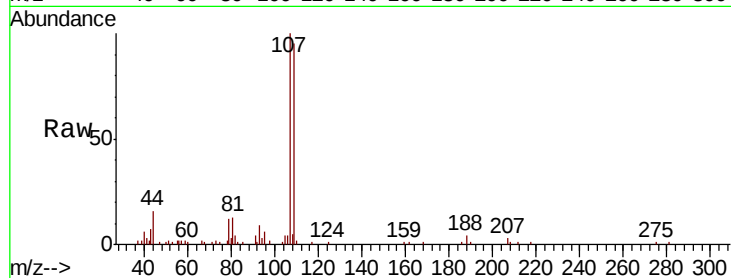
VSTDIC010

Tgt Ion: 107 Resp: 30897

Ion Ratio Lower Upper

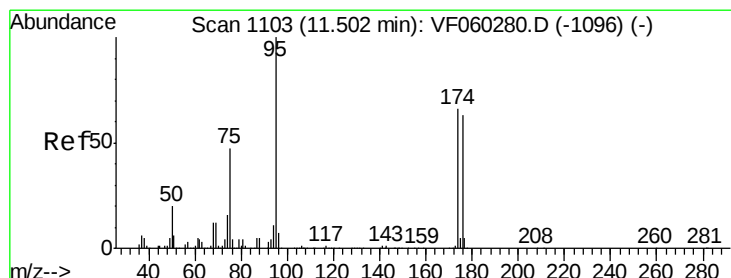
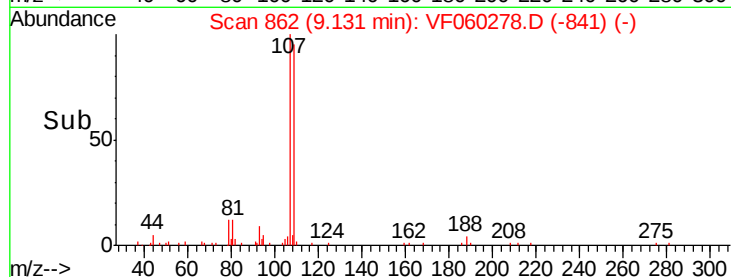
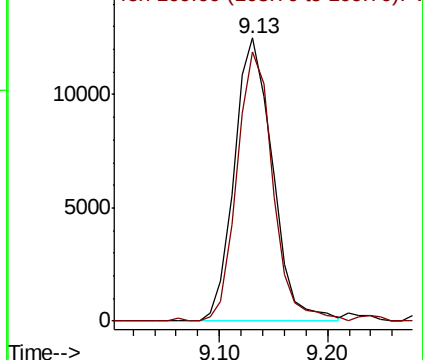
107 100

109 95.1 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 10.465 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

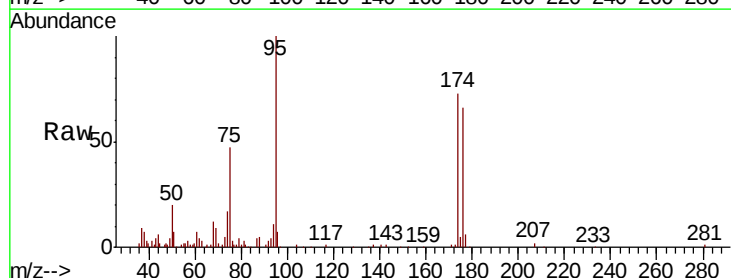
Tgt Ion: 95 Resp: 46882

Ion Ratio Lower Upper

95 100

174 73.4 0.0 131.2

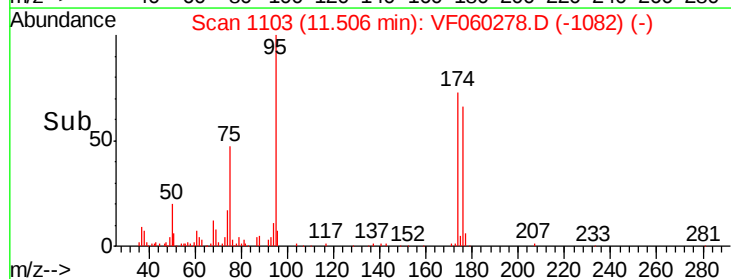
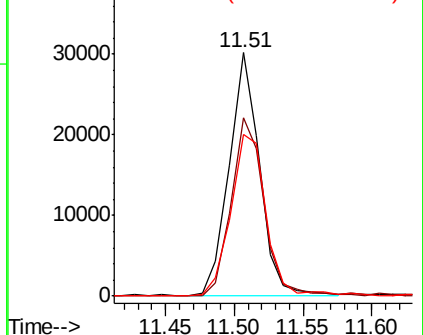
176 66.4 0.0 126.6

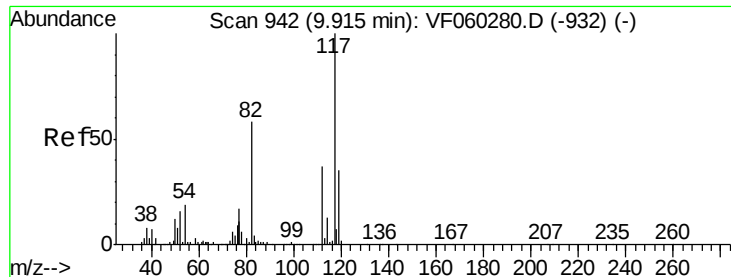


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

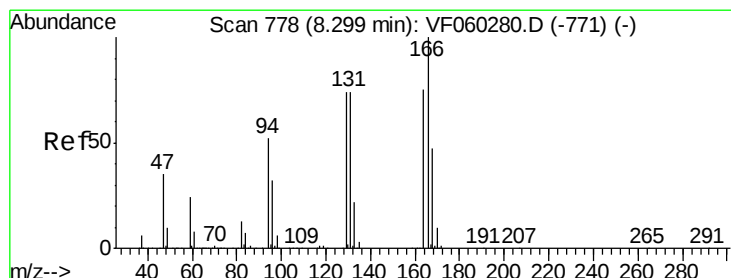
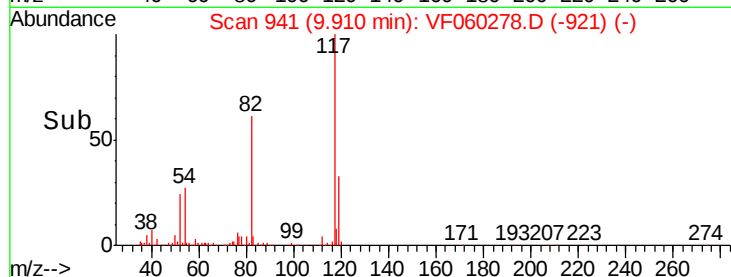
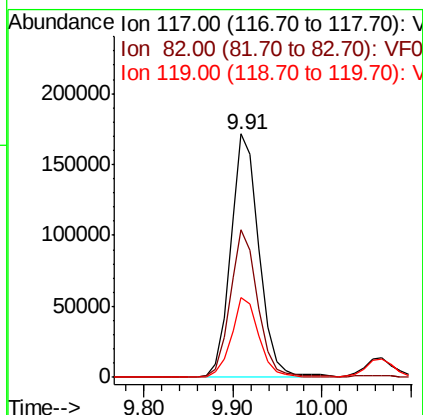
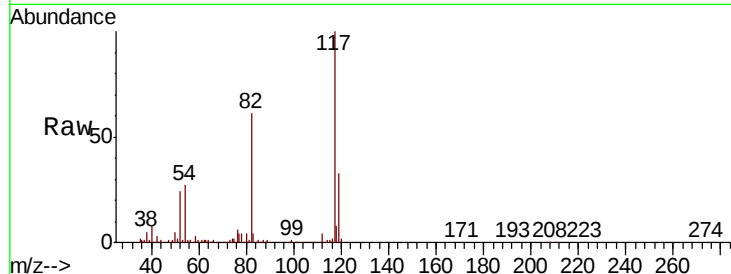




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

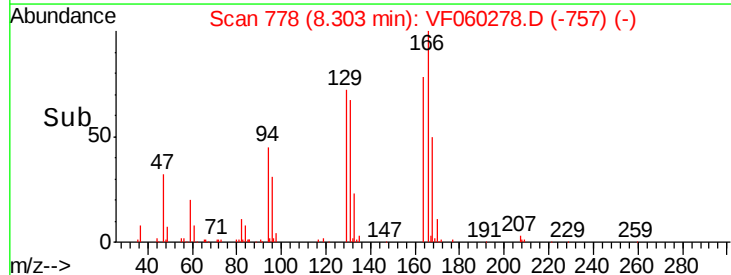
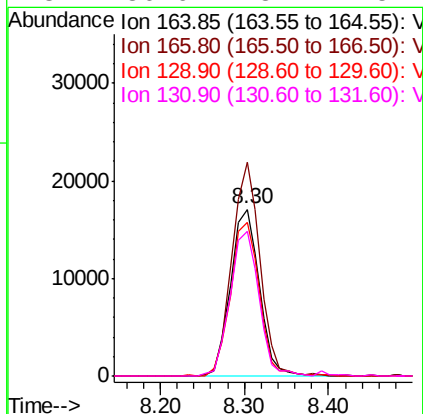
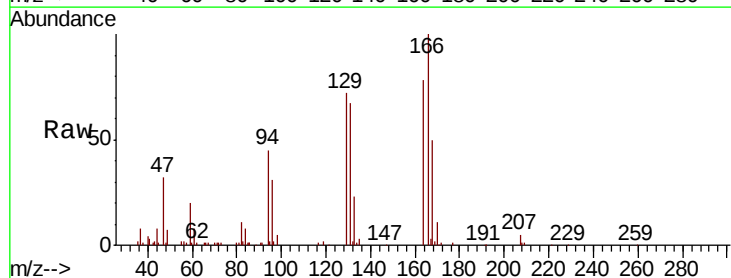
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

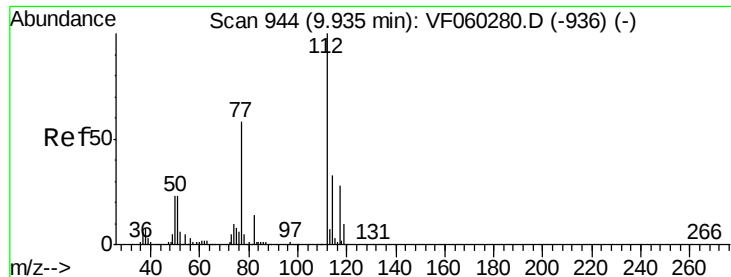
Tgt Ion:117 Resp: 381103
Ion Ratio Lower Upper
117 100
82 60.7 46.2 69.2
119 32.7 27.8 41.6



#64
Tetrachloroethene
Concen: 11.784 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion:164 Resp: 40713
Ion Ratio Lower Upper
164 100
166 128.3 106.8 160.2
129 92.0 78.8 118.2
131 86.6 78.7 118.1





#65

Chlorobenzene

Concen: 11.183 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

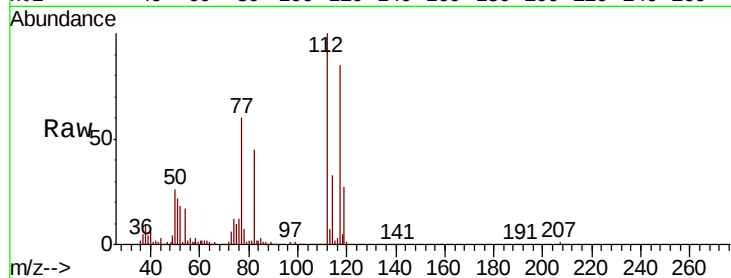
VSTDIC010

Tgt Ion:112 Resp: 96596

Ion Ratio Lower Upper

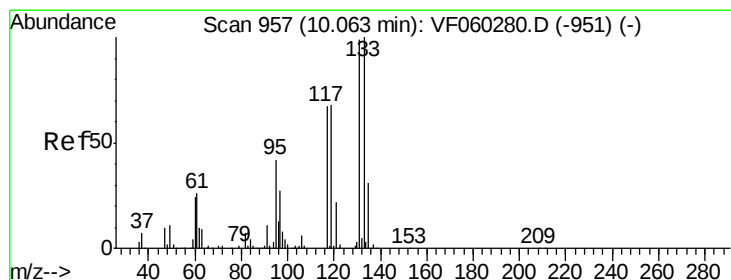
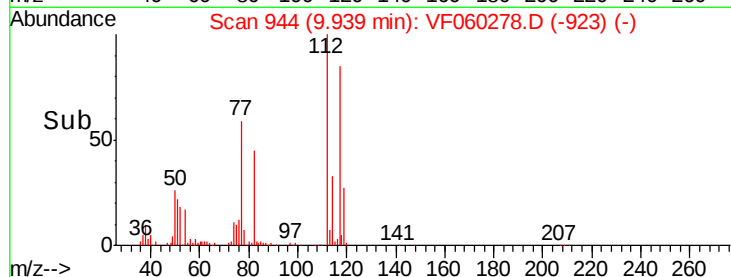
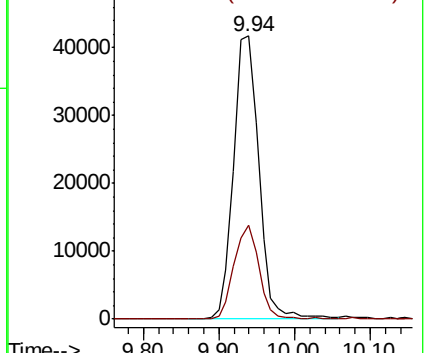
112 100

114 33.2 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 11.777 ug/l

RT: 10.07 min Scan# 957

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

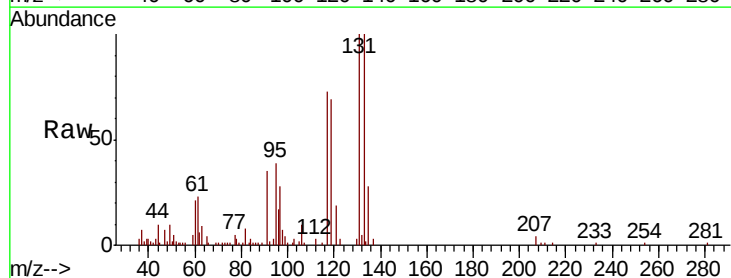
Tgt Ion:131 Resp: 42214

Ion Ratio Lower Upper

131 100

133 99.7 50.4 151.2

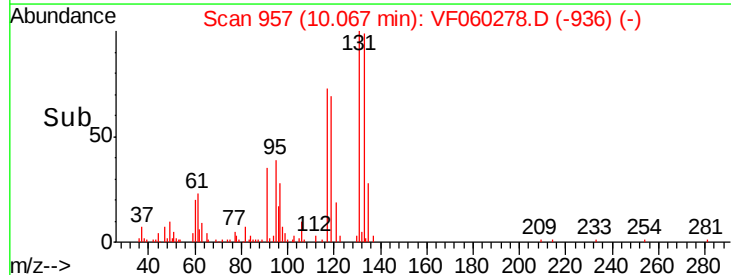
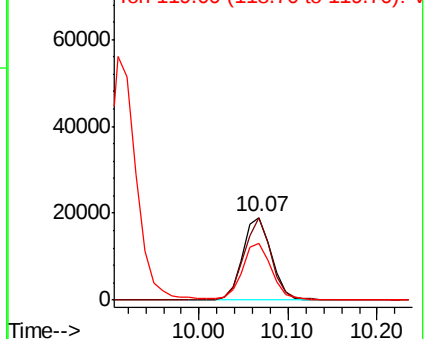
119 69.5 34.8 104.3

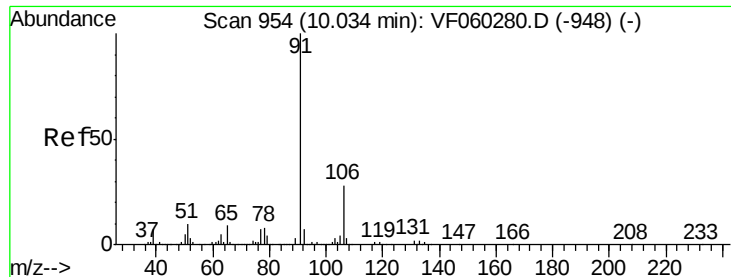


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 11.729 ug/l

RT: 10.04 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

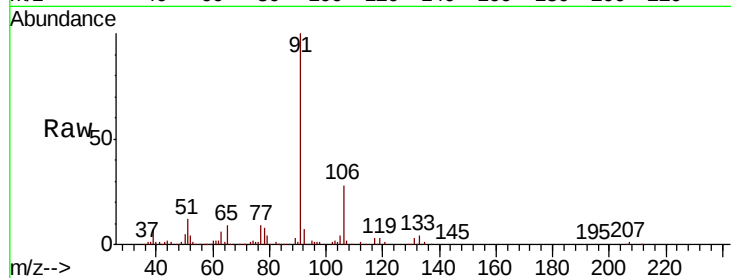
VSTDIC010

Tgt Ion: 91 Resp: 187320

Ion Ratio Lower Upper

91 100

106 27.6 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

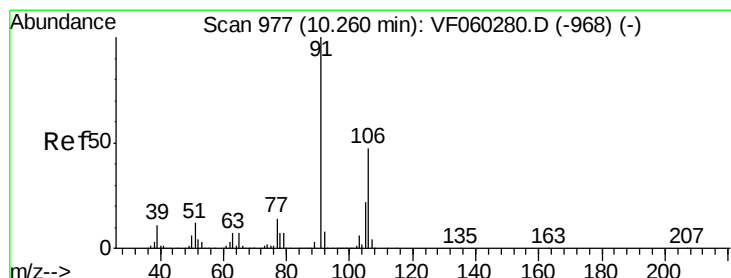
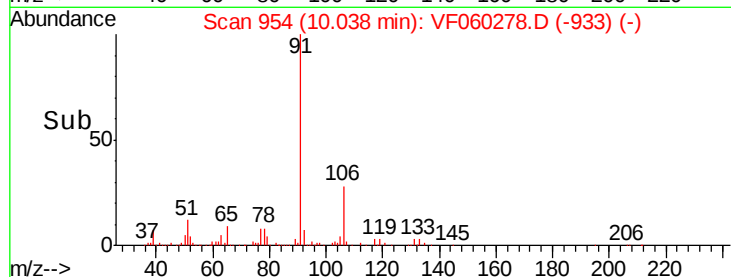
100000

50000

0

9.90 10.00 10.10 10.20

Time-->



#68

m/p-Xylenes

Concen: 23.393 ug/l

RT: 10.26 min Scan# 977

Delta R.T. 0.00 min

Lab File: VF060278.D

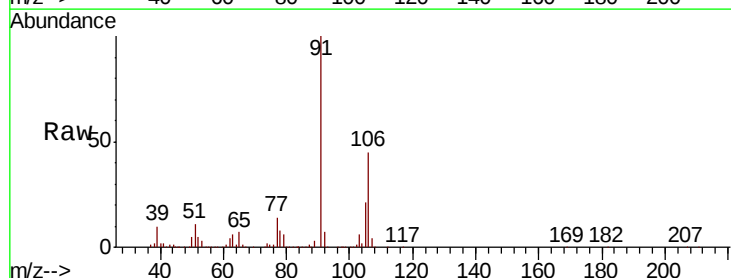
Acq: 19 Sep 2018 13:17

Tgt Ion: 106 Resp: 129069

Ion Ratio Lower Upper

106 100

91 222.6 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

150000

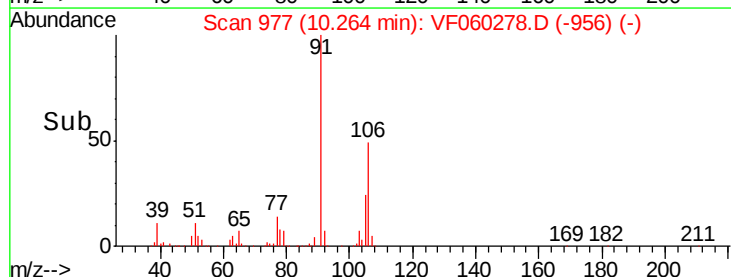
100000

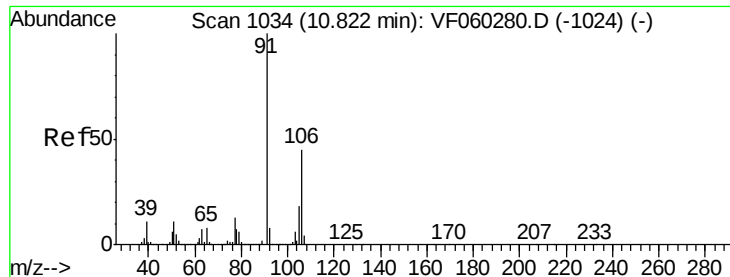
50000

0

10.20 10.30 10.40

Time-->

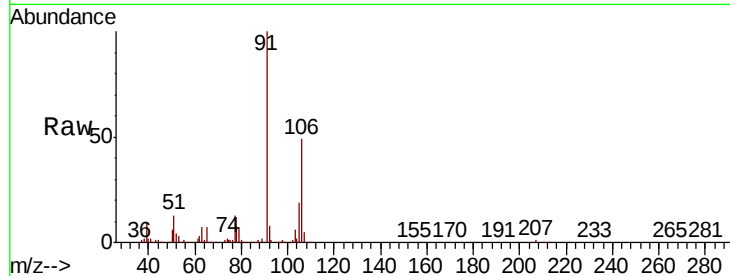




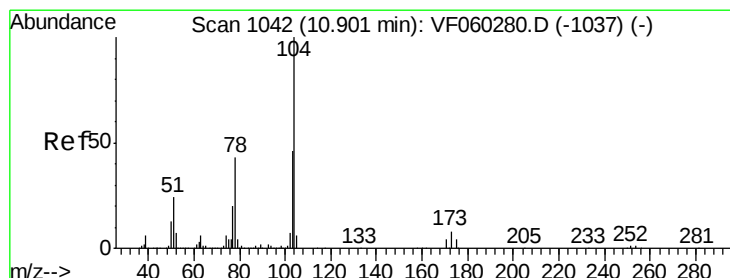
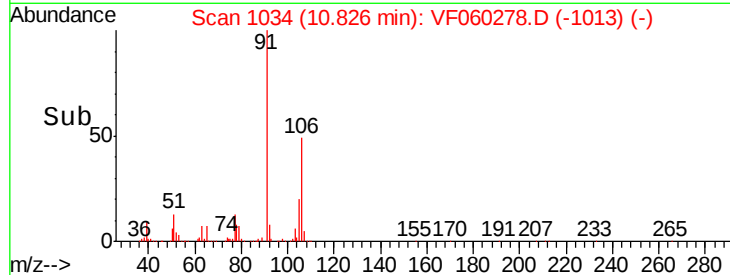
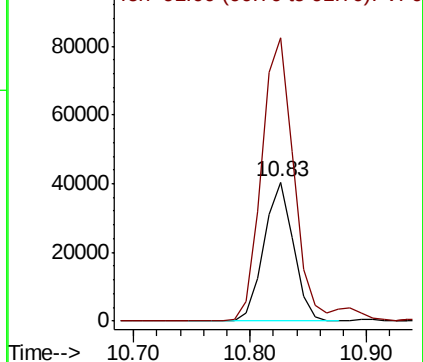
#69
o-Xylene
Concen: 11.476 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 71019
Ion Ratio Lower Upper
106 100
91 203.8 110.9 332.6

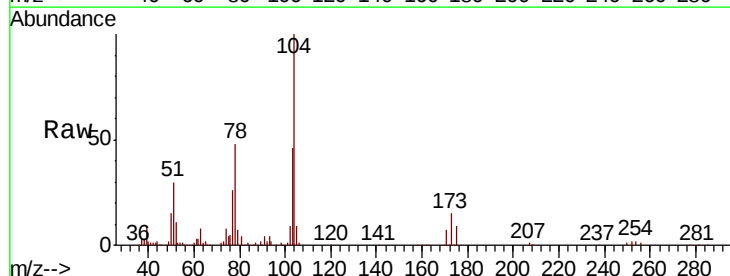


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

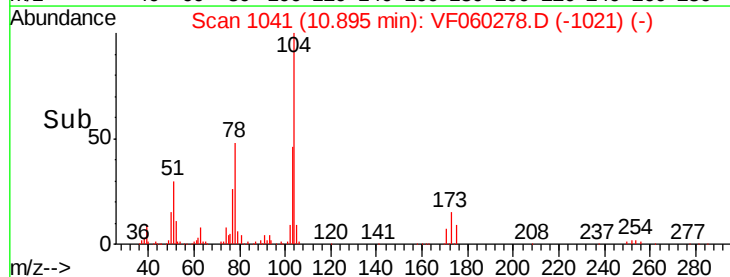
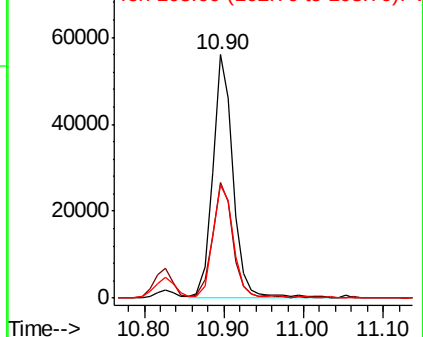


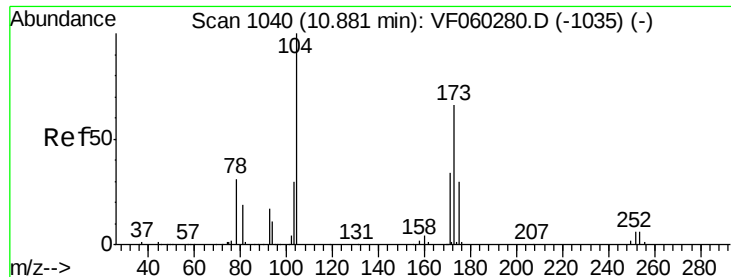
#70
Styrene
Concen: 11.474 ug/l
RT: 10.90 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion:104 Resp: 100138
Ion Ratio Lower Upper
104 100
78 47.7 35.0 52.6
103 46.3 37.4 56.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 11.260 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

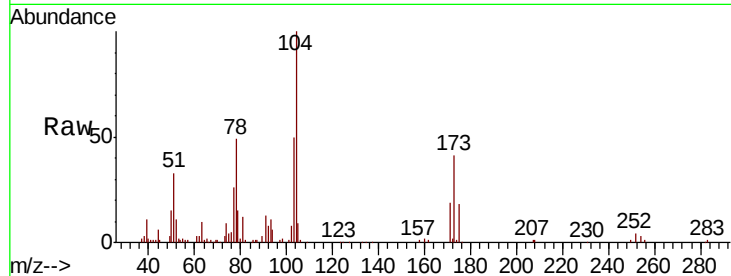
Tgt Ion:173 Resp: 22167

Ion Ratio Lower Upper

173 100

175 44.5 22.3 66.9

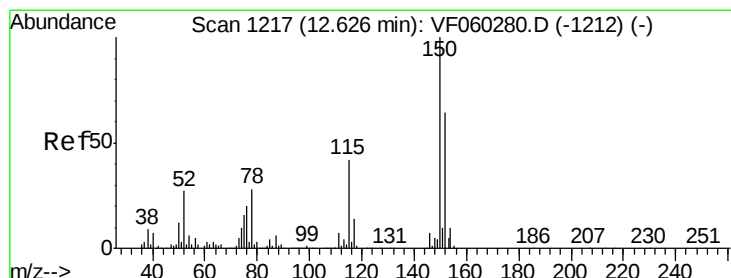
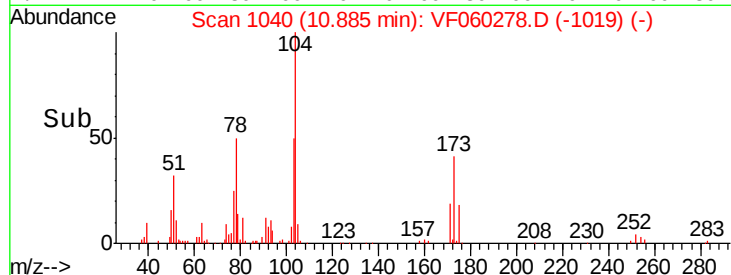
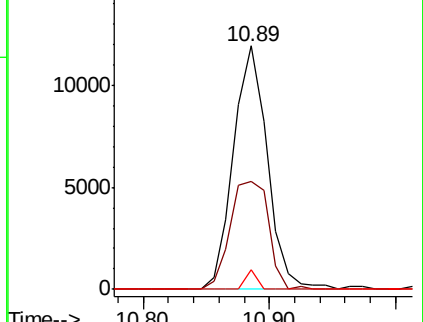
254 7.9 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

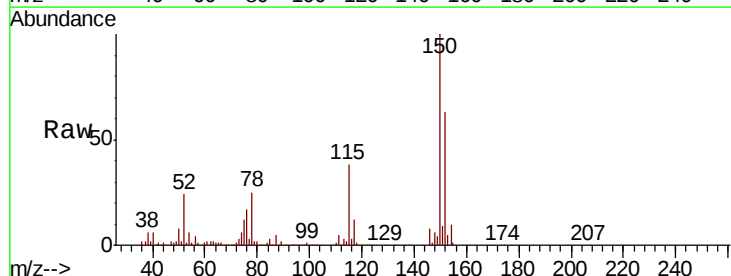
Tgt Ion:152 Resp: 199470

Ion Ratio Lower Upper

152 100

115 59.9 32.6 97.8

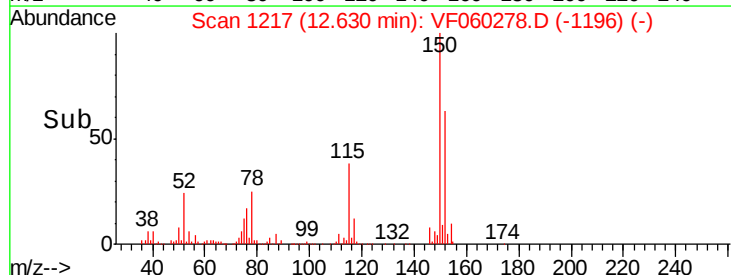
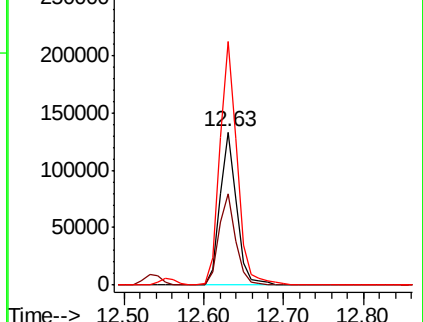
150 158.8 0.0 314.2

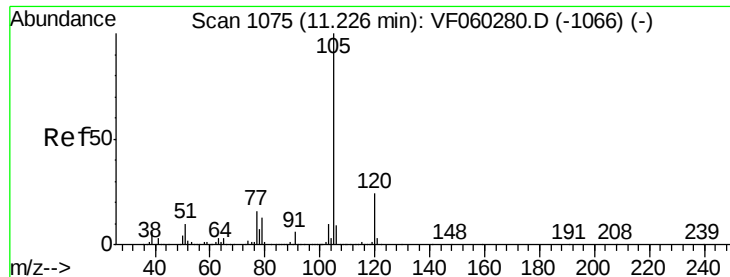


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 12.281 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

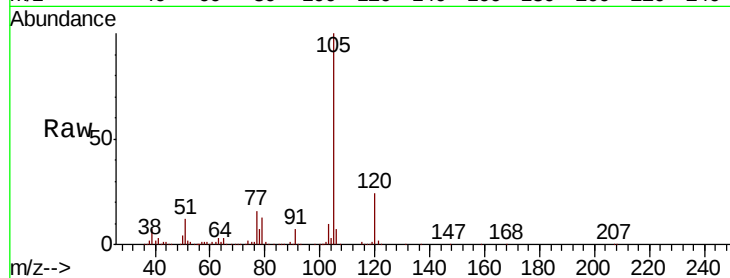
VSTDIC010

Tgt Ion: 105 Resp: 219917

Ion Ratio Lower Upper

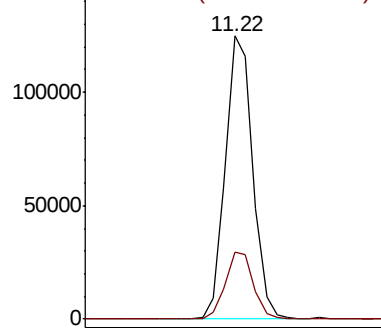
105 100

120 23.9 12.2 36.6

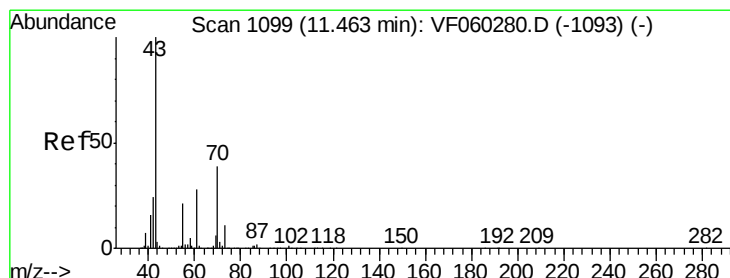
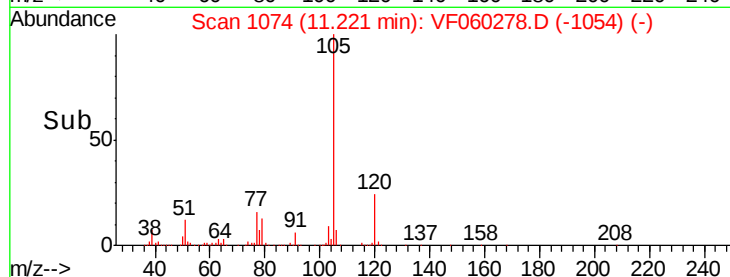


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.10 11.20 11.30



#74

N-amyl acetate

Concen: 12.117 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tgt Ion: 43 Resp: 46269

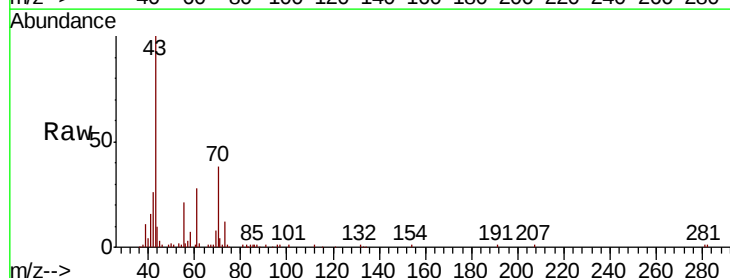
Ion Ratio Lower Upper

43 100

70 37.8 31.4 47.2

55 20.6 16.8 25.2

61 27.8 22.6 34.0

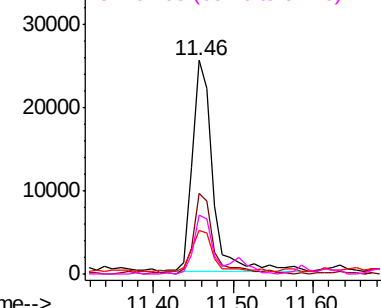


Abundance Ion 43.00 (42.70 to 43.70): VF0

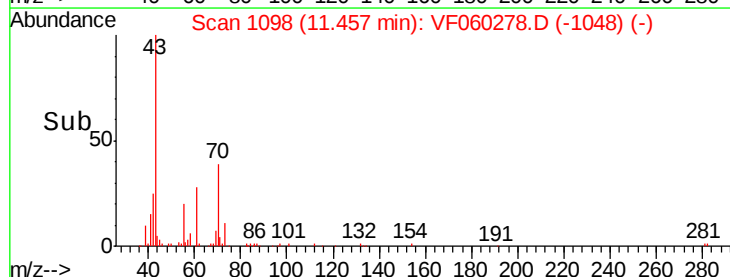
Ion 70.00 (69.70 to 70.70): VF0

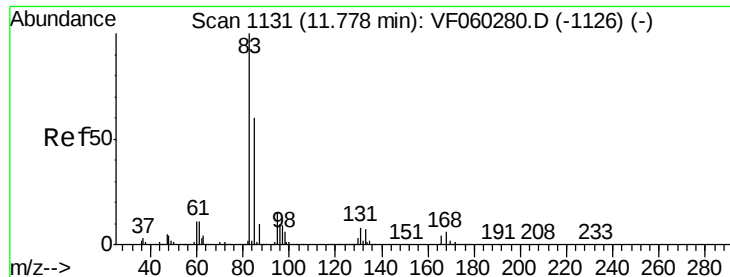
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 12.443 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

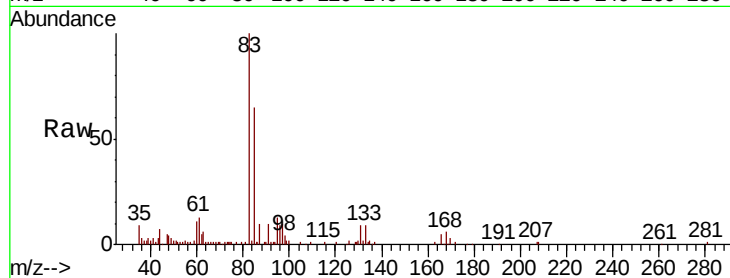
Tgt Ion: 83 Resp: 39488

Ion Ratio Lower Upper

83 100

131 9.3 4.2 12.4

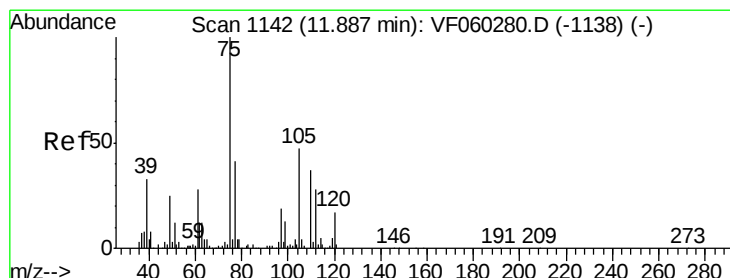
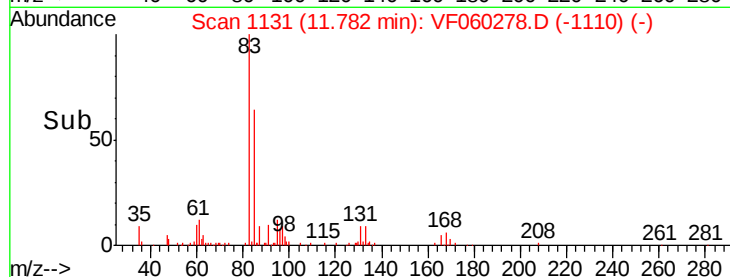
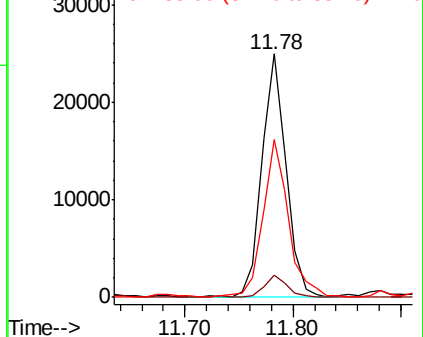
85 65.5 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 11.727 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060278.D

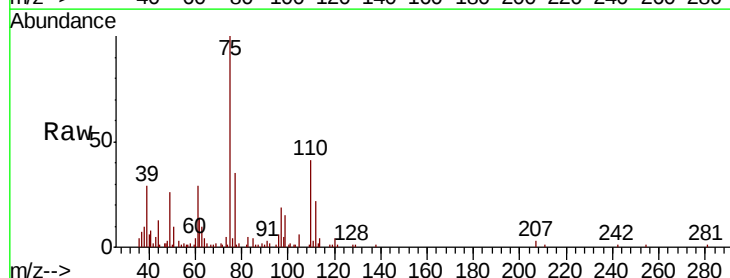
Acq: 19 Sep 2018 13:17

Tgt Ion: 75 Resp: 26646

Ion Ratio Lower Upper

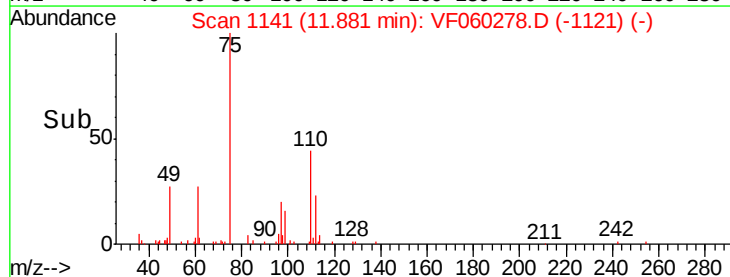
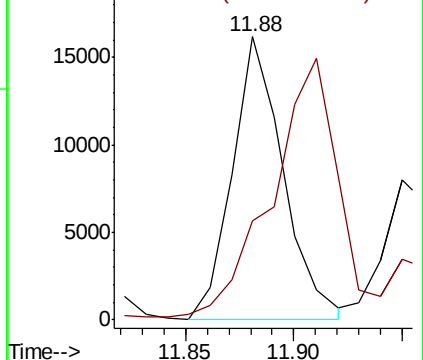
75 100

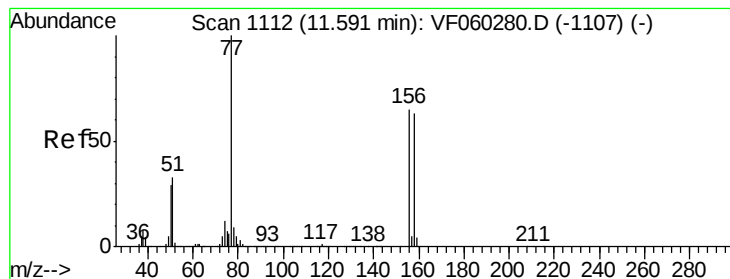
77 35.1 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 11.688 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

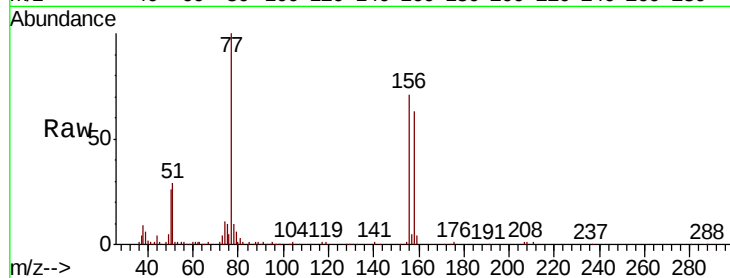
Tgt Ion:156 Resp: 45105

Ion Ratio Lower Upper

156 100

77 141.0 77.3 232.1

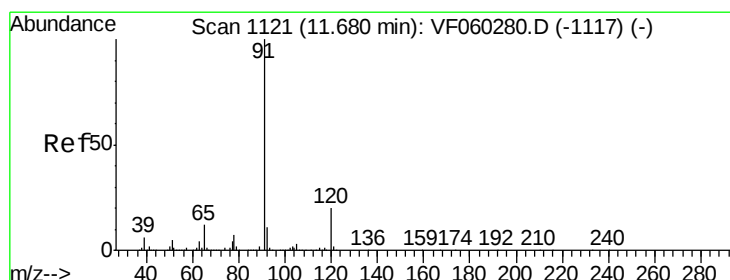
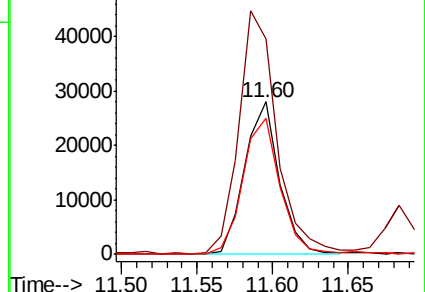
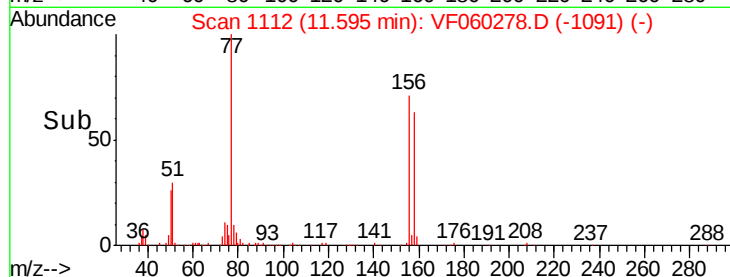
158 88.9 48.4 145.2



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: 12.182 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060278.D

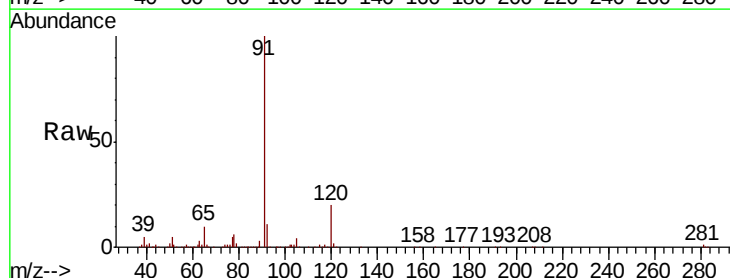
Acq: 19 Sep 2018 13:17

Tgt Ion: 91 Resp: 257530

Ion Ratio Lower Upper

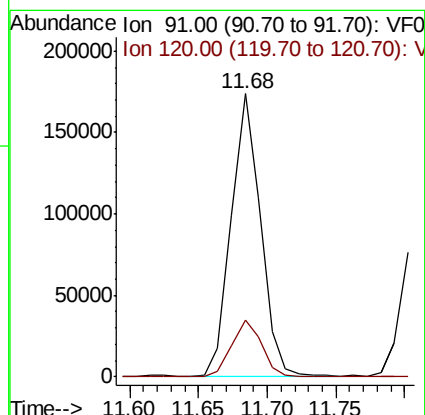
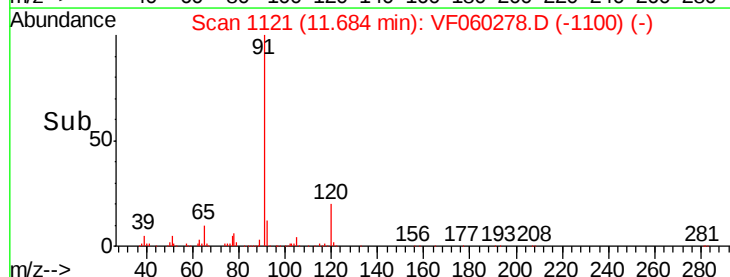
91 100

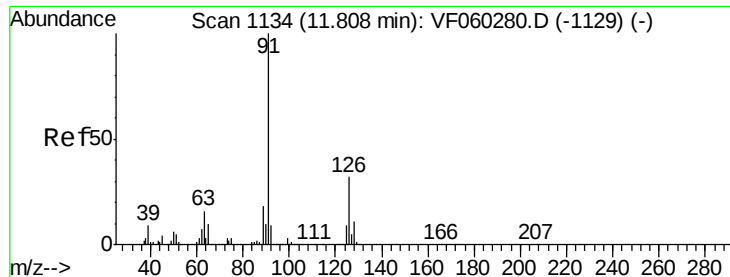
120 20.1 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

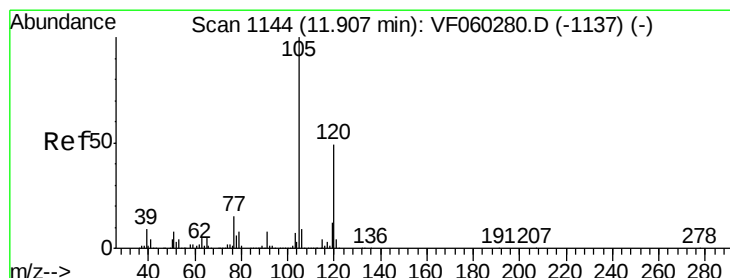
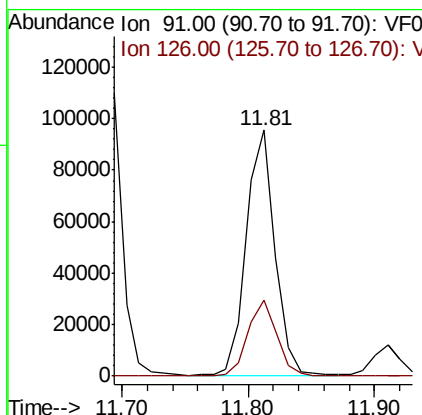
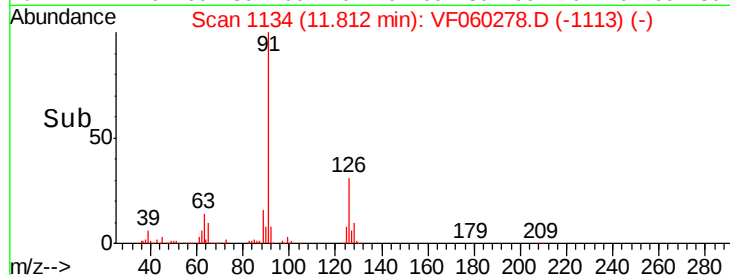
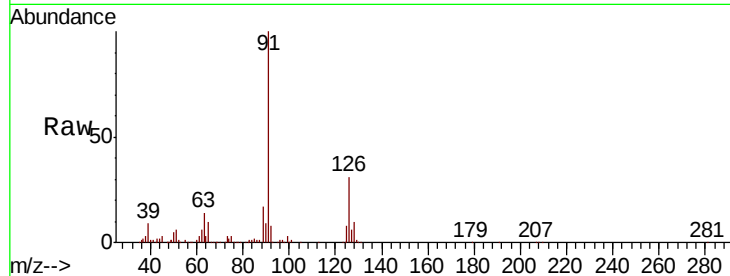




#79
 2-Chlorotoluene
 Concen: 12.383 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

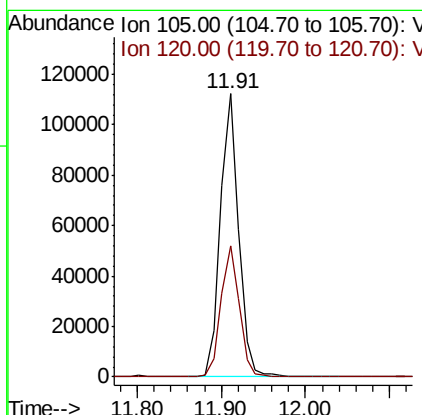
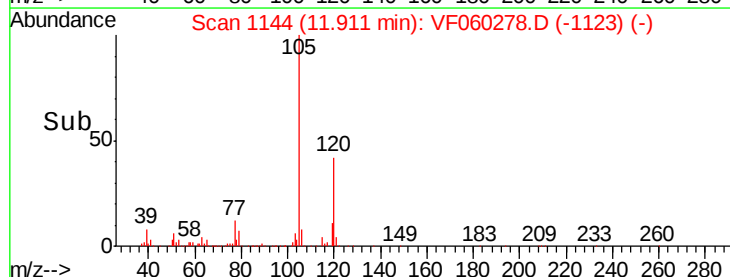
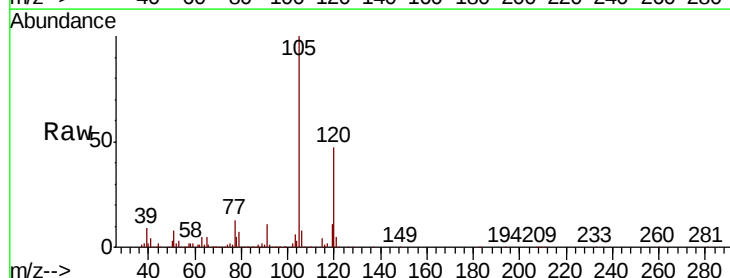
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

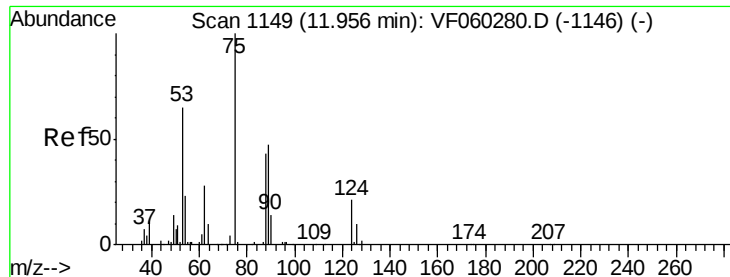
Tgt Ion: 91 Resp: 149580
 Ion Ratio Lower Upper
 91 100
 126 31.2 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 11.807 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion: 105 Resp: 170192
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 11.984 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

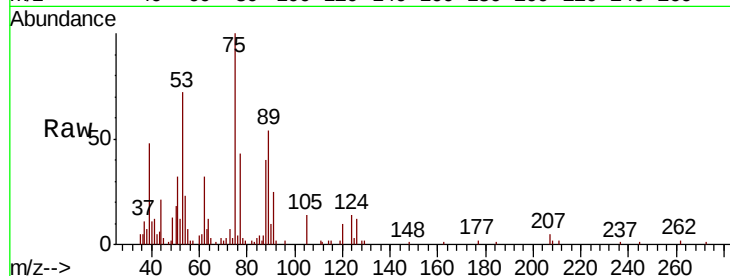
Tgt Ion: 75 Resp: 17546

Ion Ratio Lower Upper

75 100

53 71.9 56.5 84.7

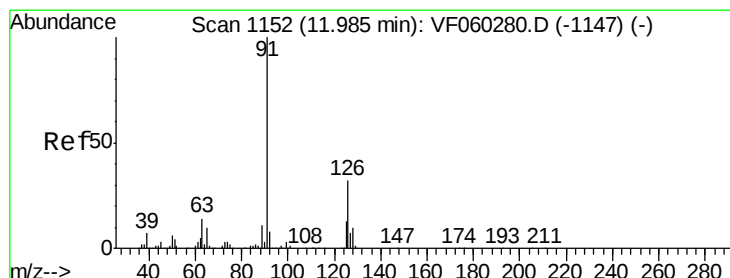
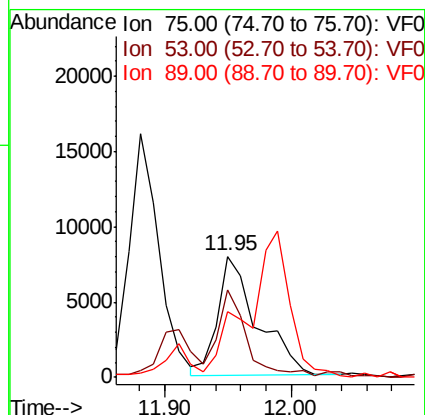
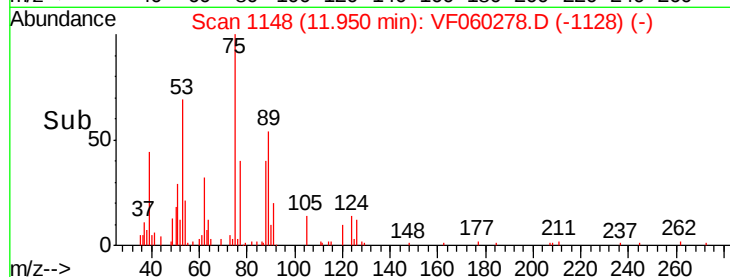
89 54.0 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 11.879 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060278.D

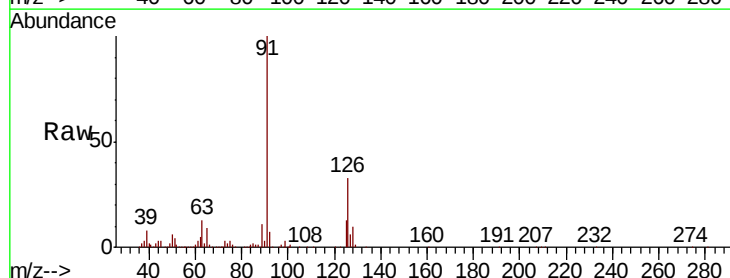
Acq: 19 Sep 2018 13:17

Tgt Ion: 91 Resp: 144227

Ion Ratio Lower Upper

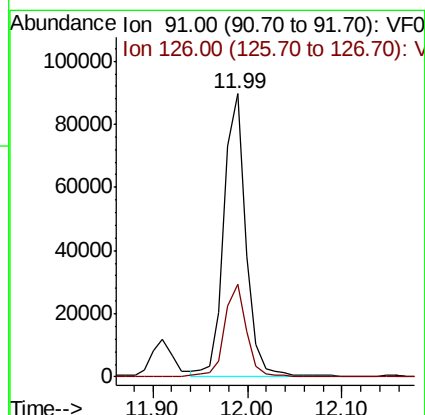
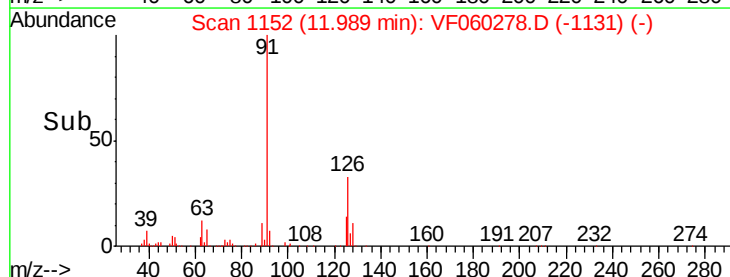
91 100

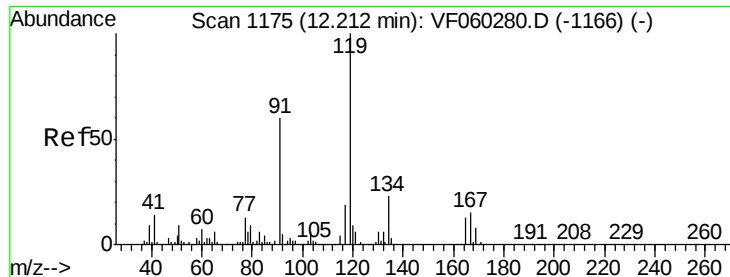
126 32.8 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

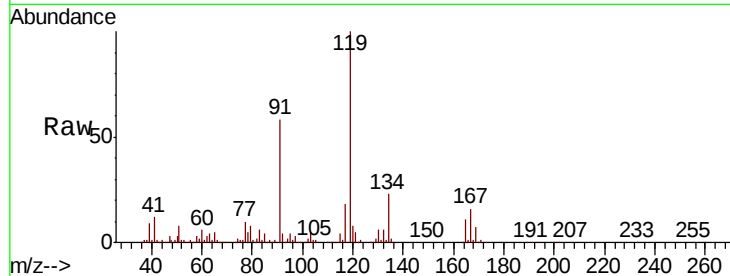




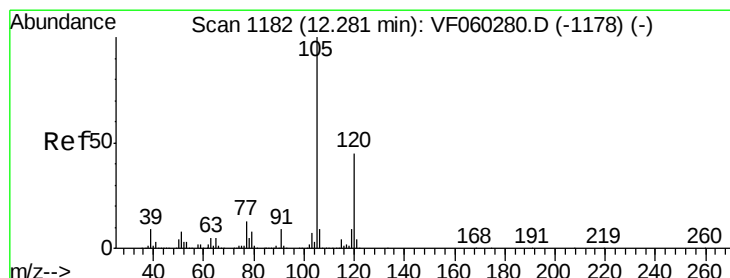
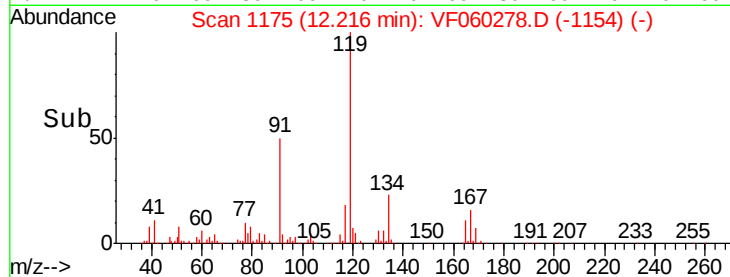
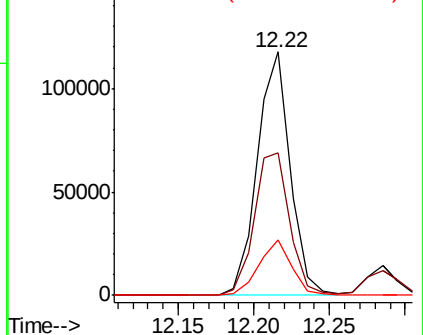
#83
 tert-Butylbenzene
 Concen: 12.270 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 179285
 Ion Ratio Lower Upper
 119 100
 91 58.5 30.3 91.0
 134 22.7 11.6 34.8

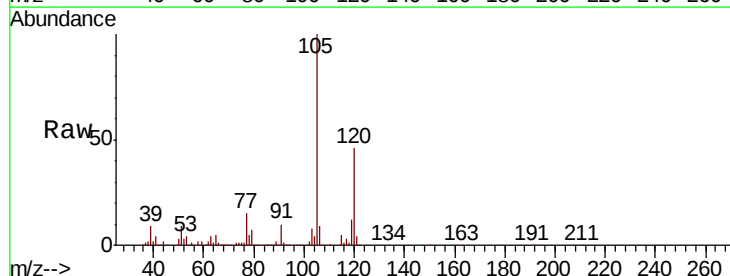


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

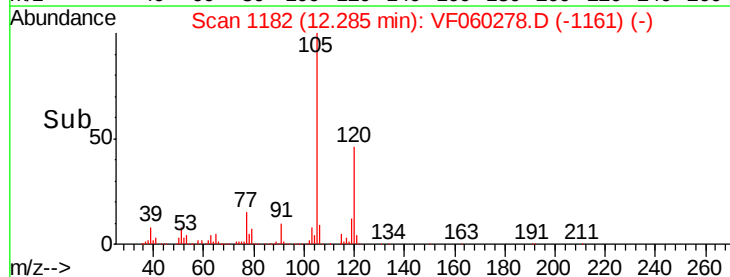
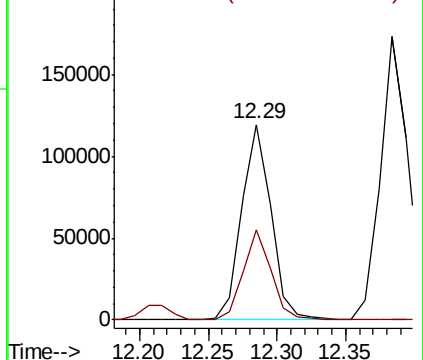


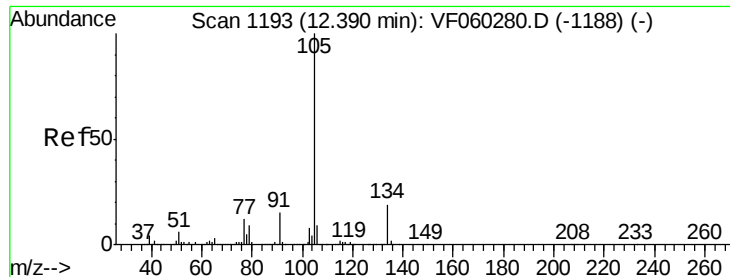
#84
 1,2,4-Trimethylbenzene
 Concen: 12.119 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion:105 Resp: 177386
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.0



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

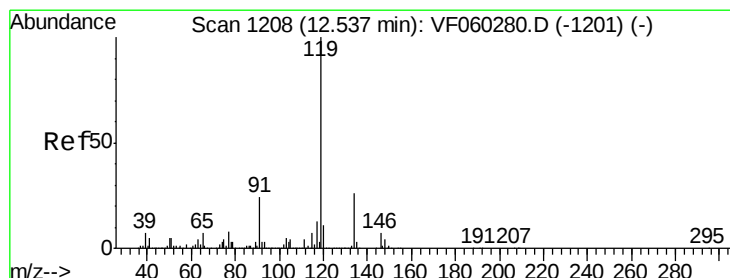
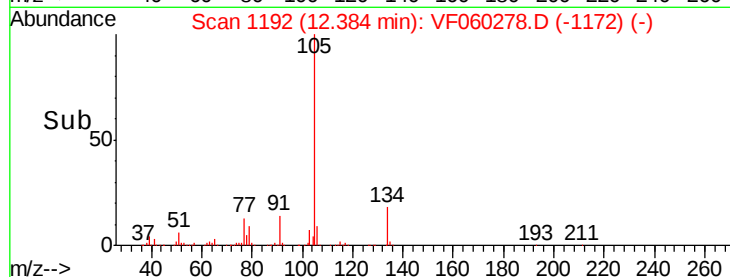
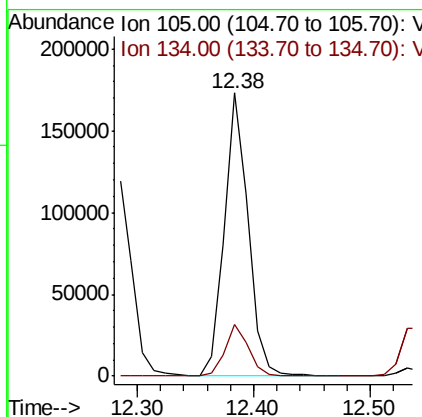
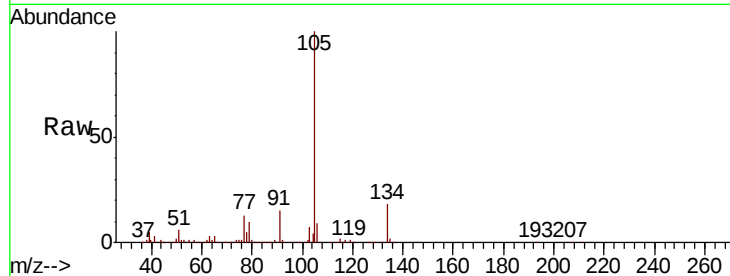




#85
 sec-Butylbenzene
 Concen: 12.098 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

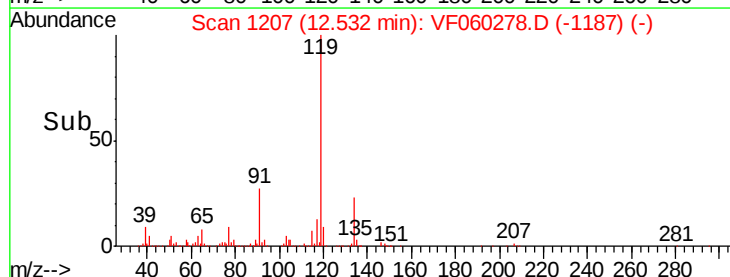
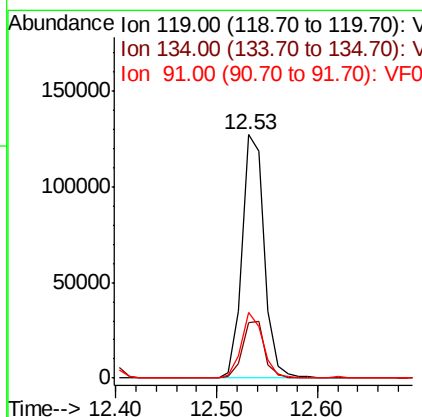
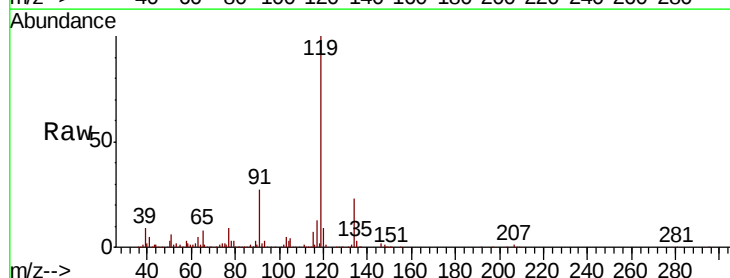
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

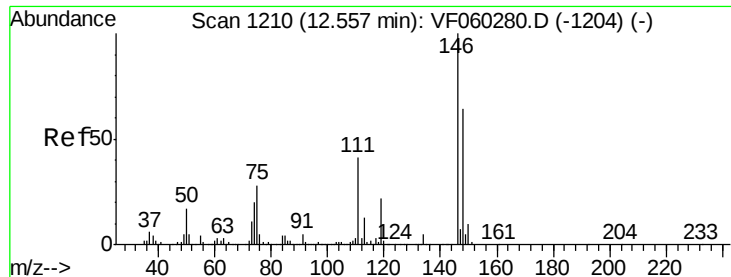
Tgt Ion:105 Resp: 244757
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 12.200 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion:119 Resp: 195325
 Ion Ratio Lower Upper
 119 100
 134 22.8 12.9 38.7
 91 27.0 11.9 35.7

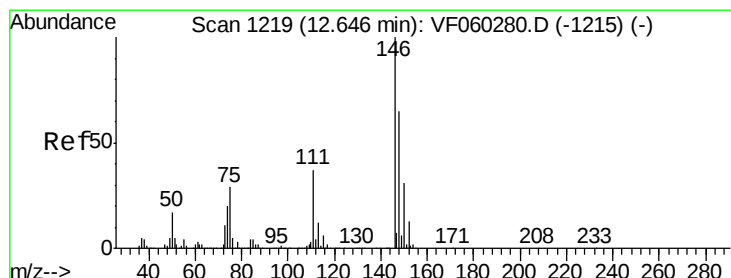
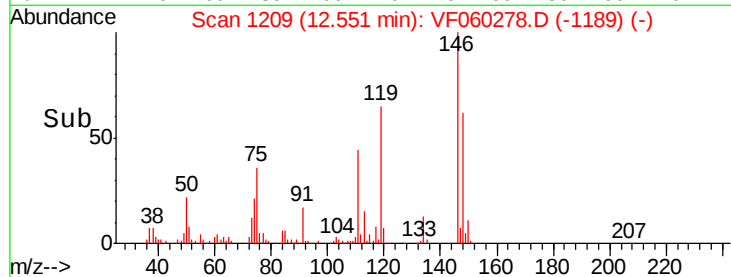
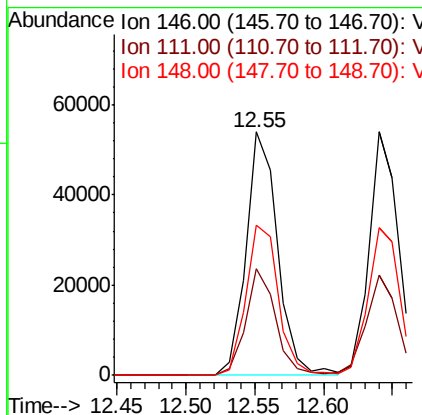
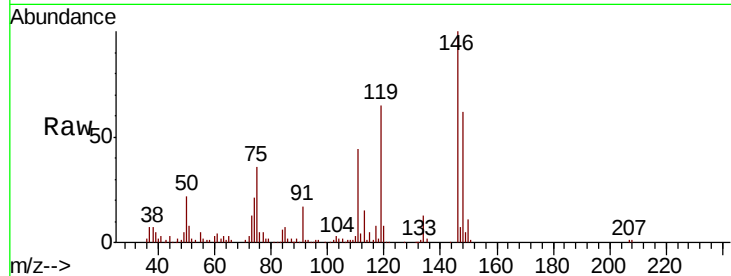




#87
 1,3-Dichlorobenzene
 Concen: 12.014 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

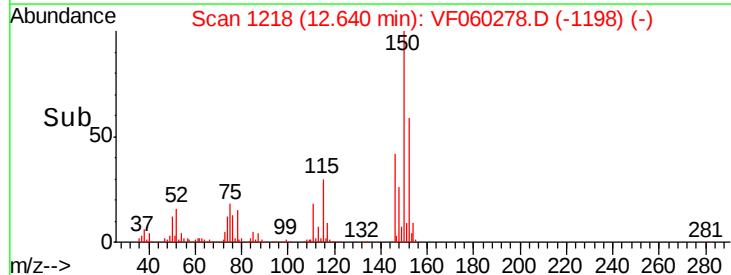
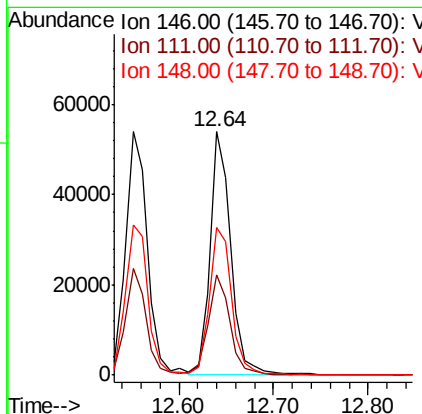
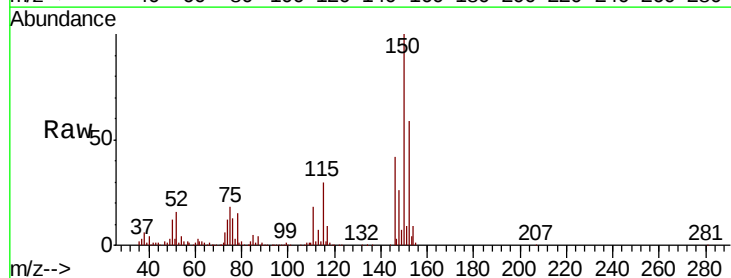
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

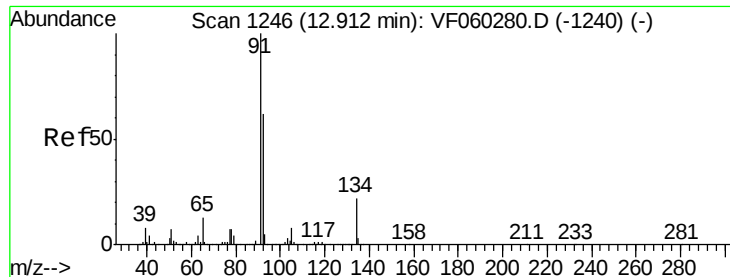
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.5	61.6
148	61.5	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 11.650 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	18.7	56.1
148	60.4	32.4	97.0





#89

n-Butylbenzene

Concen: 12.626 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

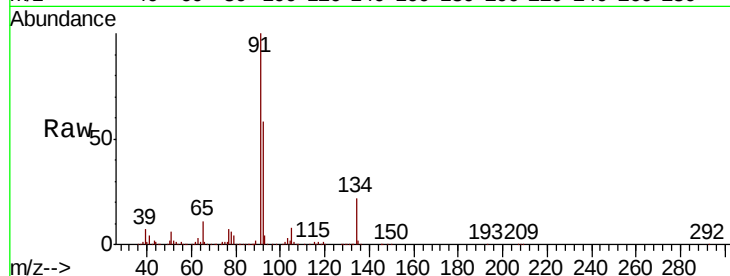
Tgt Ion: 91 Resp: 213815

Ion Ratio Lower Upper

91 100

92 58.3 31.1 93.5

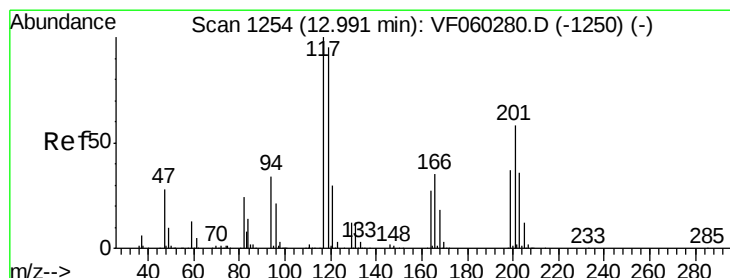
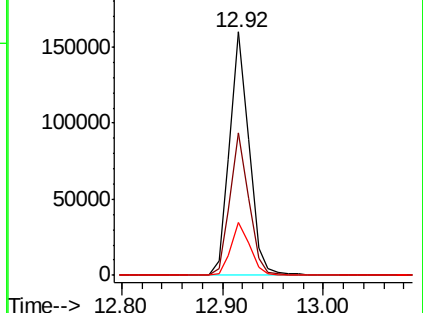
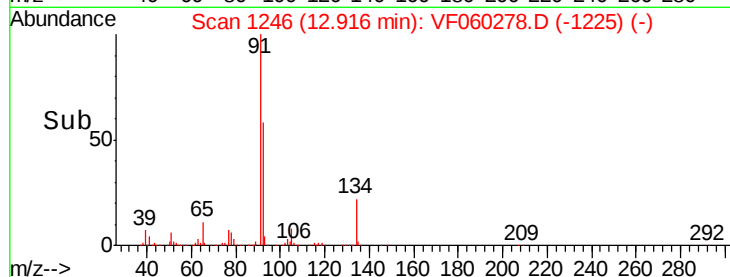
134 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 11.790 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF060278.D

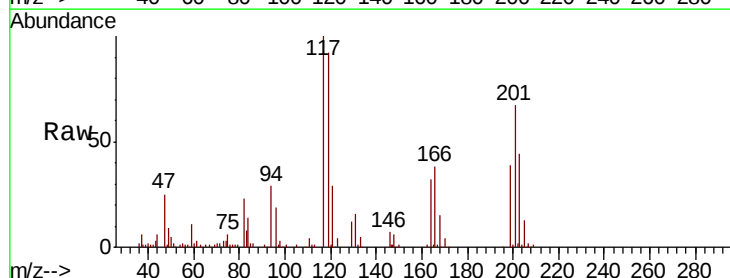
Acq: 19 Sep 2018 13:17

Tgt Ion: 117 Resp: 48208

Ion Ratio Lower Upper

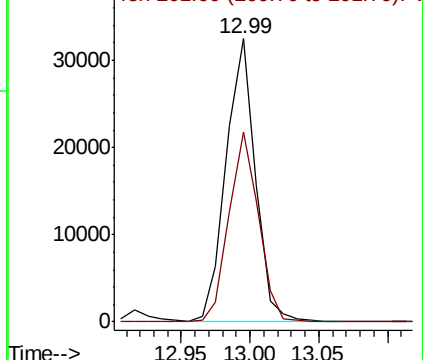
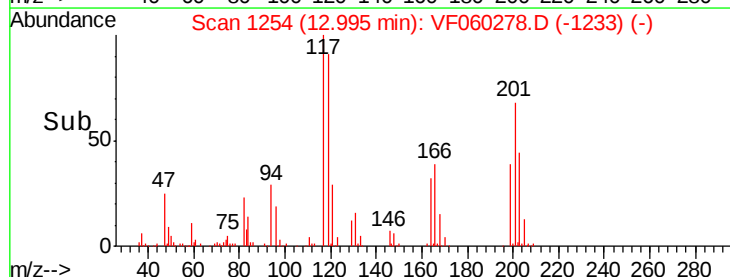
117 100

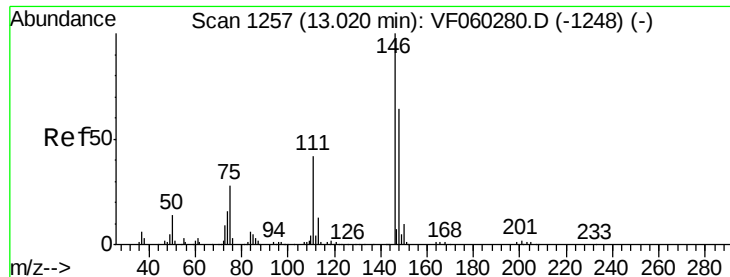
201 67.3 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 11.866 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

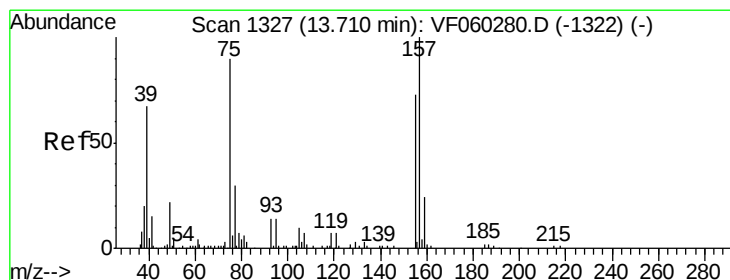
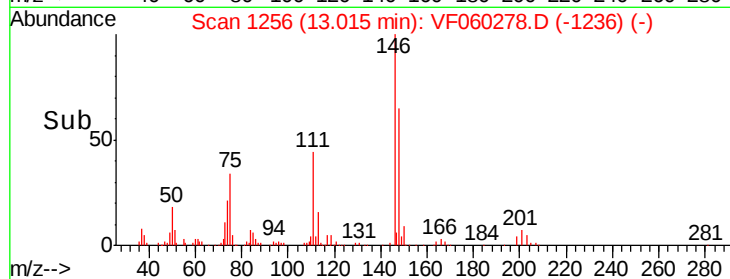
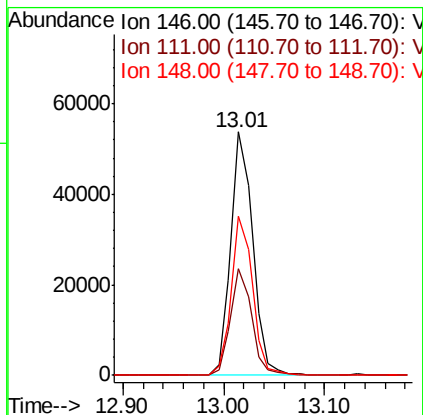
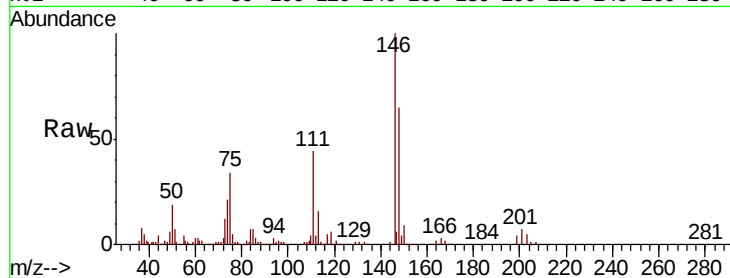
Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion:	146	Resp:	81627
Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.9	62.8
148	65.2	31.9	95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.618 ug/l

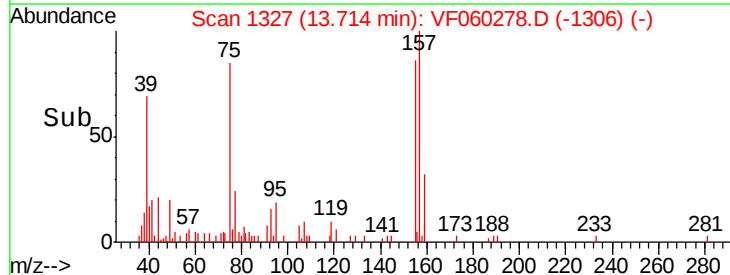
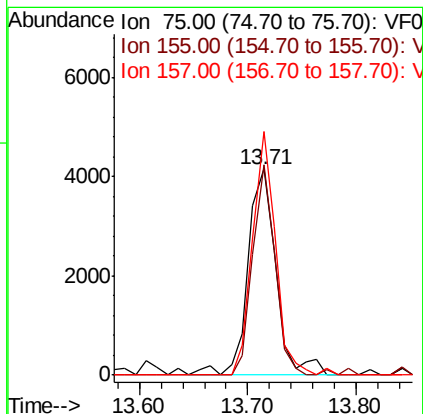
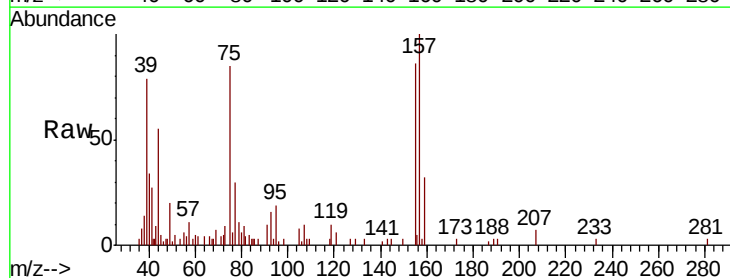
RT: 13.71 min Scan# 1327

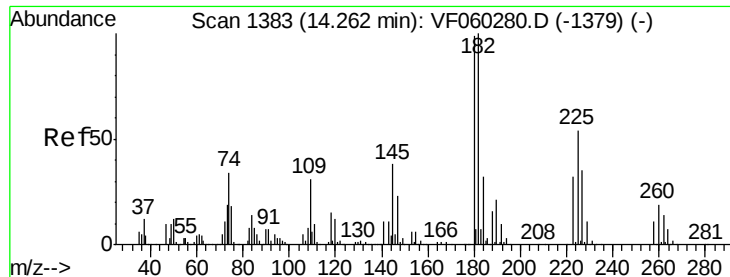
Delta R.T. 0.00 min

Lab File: VF060278.D

Acq: 19 Sep 2018 13:17

Tgt Ion:	75	Resp:	7518
Ion	Ratio	Lower	Upper
75	100		
155	108.1	41.9	125.7
157	118.2	57.4	172.0

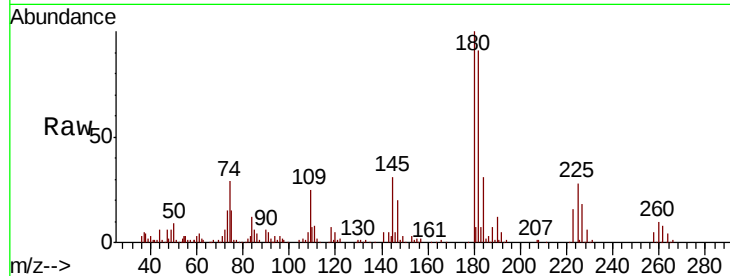




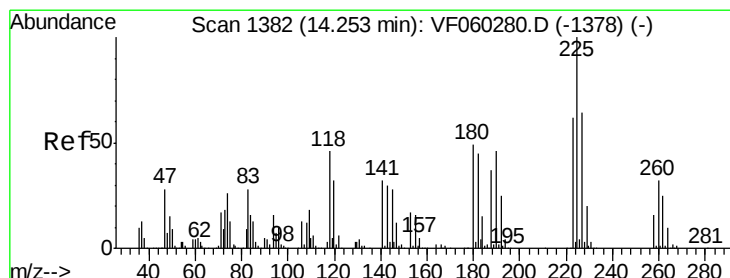
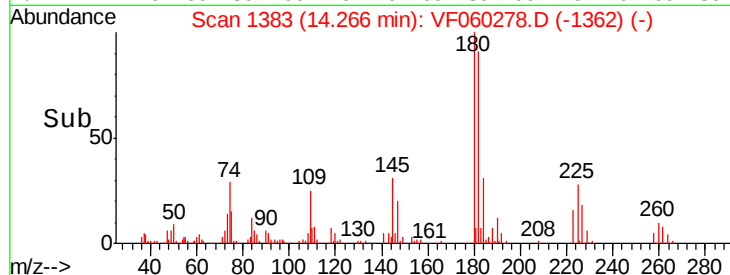
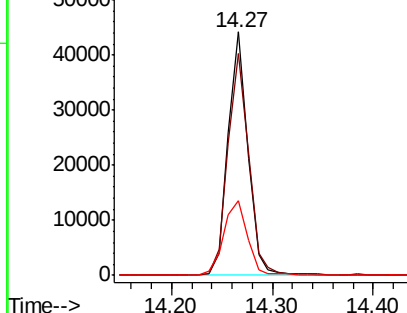
#93
 1,2,4-Trichlorobenzene
 Concen: 12.031 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 60155
 Ion Ratio Lower Upper
 180 100
 182 91.2 50.3 151.0
 145 30.9 18.9 56.9

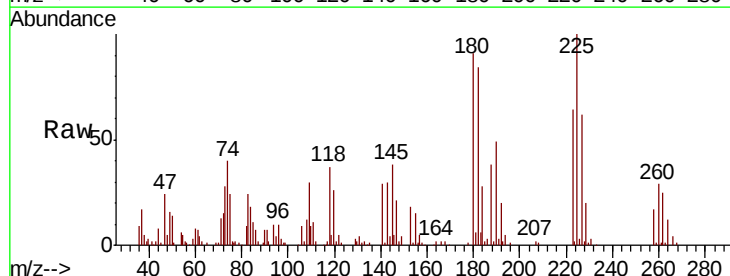


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

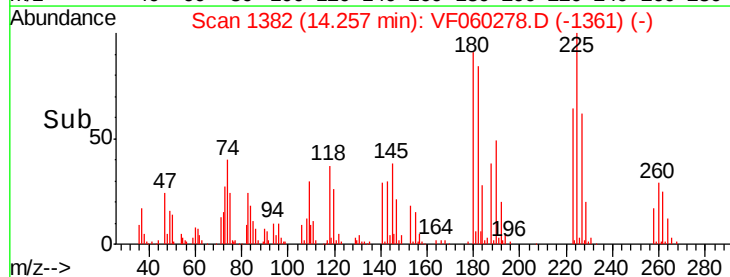
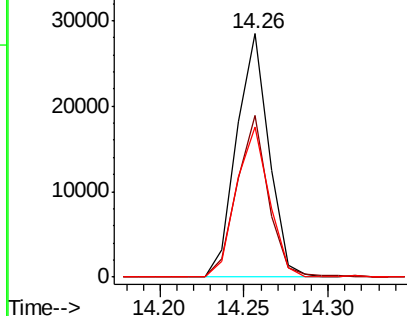


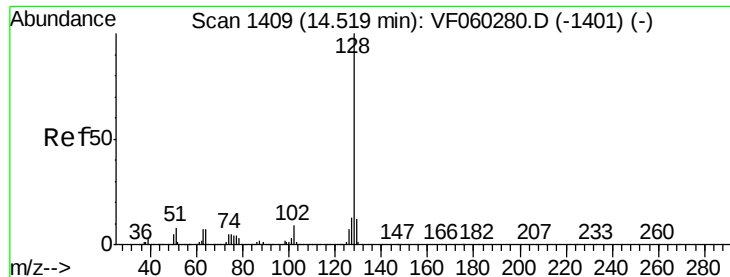
#94
 Hexachlorobutadiene
 Concen: 11.229 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060278.D
 Acq: 19 Sep 2018 13:17

Tgt Ion:225 Resp: 37954
 Ion Ratio Lower Upper
 225 100
 223 66.3 31.2 93.6
 227 61.7 32.2 96.6



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

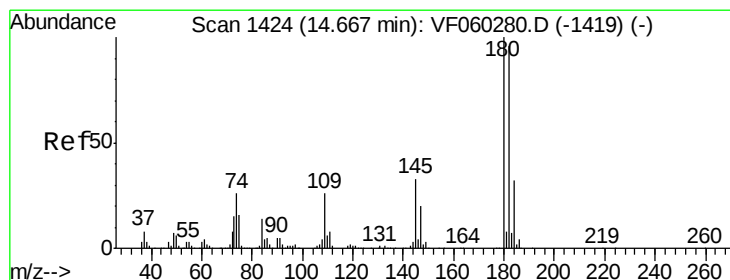
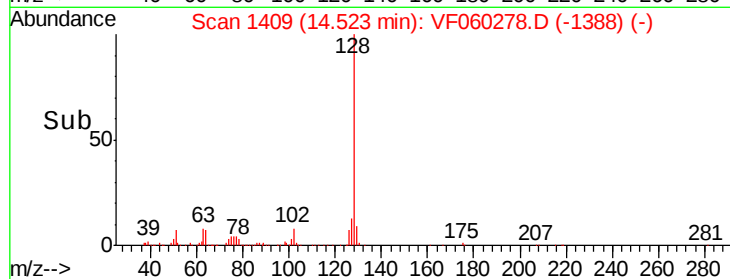
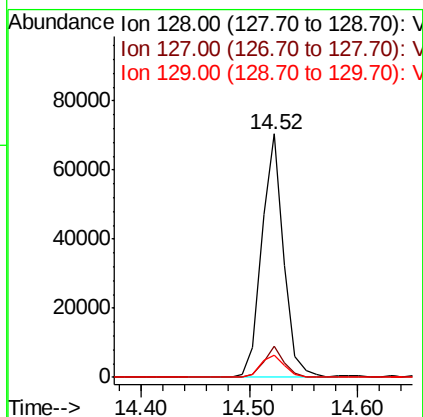
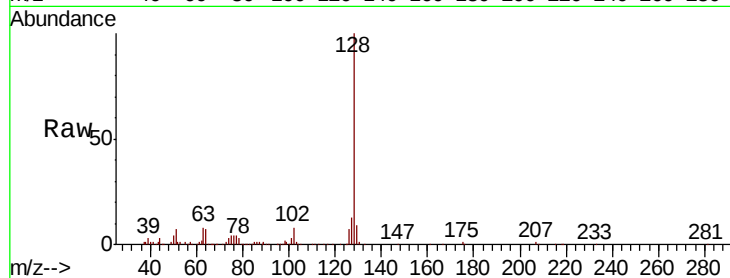




#95
Naphthalene
Concen: 11.410 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 100022
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 9.0 9.8 14.8#



#96
1,2,3-Trichlorobenzene
Concen: 11.658 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060278.D
Acq: 19 Sep 2018 13:17

Tgt Ion:180 Resp: 53861
Ion Ratio Lower Upper
180 100
182 87.9 47.8 143.4
145 29.6 16.4 49.1

