

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF100918\
 Data File : VF060496.D
 Acq On : 9 Oct 2018 17:39
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 10 01:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 10 01:47:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	256707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.73	114	447617	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	407089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	219417	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	543069	135.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.62%	
35) Dibromofluoromethane	4.26	113	552022	131.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.80%	
50) Toluene-d8	7.68	98	1357456	132.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.88%	
62) 4-Bromofluorobenzene	11.49	95	594688	127.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	254.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	650599	110.971	ug/l	99
3) Chloromethane	1.13	50	406754	118.906	ug/l	98
4) Vinyl Chloride	1.18	62	442221	123.525	ug/l	96
5) Bromomethane	1.36	94	344688	124.514	ug/l	92
6) Chloroethane	1.41	64	233794	131.233	ug/l	99
7) Trichlorofluoromethane	1.53	101	1007531	121.996	ug/l	90
8) Diethyl Ether	1.69	74	153794	132.987	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.88	101	504904	126.471	ug/l	94
10) Methyl Iodide	1.95	142	847853	138.094	ug/l	96
11) Tert butyl alcohol	2.68	59	133576	562.536	ug/l	96
12) 1,1-Dichloroethene	1.84	96	404939	128.940	ug/l	91
13) Acrolein	2.07	56	76287	430.823	ug/l	97
14) Allyl chloride	2.17	41	724887	147.775	ug/l #	92
15) Acrylonitrile	3.05	53	296588	711.273	ug/l	98
16) Acetone	2.32	43	450965	473.366	ug/l	94
17) Carbon Disulfide	1.90	76	1152473	124.041	ug/l	95
18) Methyl Acetate	2.43	43	219022	130.232	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	1022170	135.354	ug/l	99
20) Methylene Chloride	2.30	84	220792	63.145	ug/l	95
21) trans-1,2-Dichloroethene	2.39	96	423902	135.853	ug/l	91
22) Diisopropyl ether	2.90	45	1290812	139.408	ug/l	98
23) Vinyl Acetate	3.31	43	2295820	641.723	ug/l	98
24) 1,1-Dichloroethane	2.98	63	843144	135.273	ug/l	100
25) 2-Butanone	4.48	43	609618	591.922	ug/l	95
26) 2,2-Dichloropropane	3.73	77	439203	127.046	ug/l	99
27) cis-1,2-Dichloroethene	3.60	96	468507	133.974	ug/l	99
28) Bromochloromethane	3.86	49	292557	132.492	ug/l #	87
29) Tetrahydrofuran	4.22	42	250046	600.679	ug/l	97
30) Chloroform	4.01	83	1031022	137.235	ug/l	98
31) Cyclohexane	3.83	56	555376	128.400	ug/l #	95
32) 1,1,1-Trichloroethane	4.24	97	815992	132.127	ug/l	95
36) 1,1-Dichloropropene	4.43	75	679985	124.265	ug/l	96
37) Ethyl Acetate	4.26	43	240502	115.031	ug/l #	74
38) Carbon Tetrachloride	4.13	117	875653	135.456	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.59	83	626843	115.356	ug/l	100
40) Benzene	4.78	78	1374045	124.896	ug/l	98
41) Methacrylonitrile	4.89	41	138194	123.215	ug/l	97
42) 1,2-Dichloroethane	5.08	62	659794	126.607	ug/l	98
43) Isopropyl Acetate	7.08	43	330974	130.460	ug/l #	90
44) Trichloroethene	5.64	130	429017	121.290	ug/l	100
45) 1,2-Dichloropropane	6.37	63	361962	125.318	ug/l	91
46) Dibromomethane	6.22	93	287235	123.441	ug/l	89
47) Bromodichloromethane	6.52	83	741774	127.951	ug/l	98
48) Methyl methacrylate	6.85	41	230653	127.178	ug/l	94
49) 1,4-Dioxane	6.84	88	38439	2451.710	ug/l #	75
51) 4-Methyl-2-Pentanone	8.37	43	1030620	572.335	ug/l	98
52) Toluene	7.75	92	944445	127.737	ug/l	90
53) t-1,3-Dichloropropene	8.40	75	575187	126.720	ug/l	96
54) cis-1,3-Dichloropropene	7.43	75	683422	130.071	ug/l	100
55) 1,1,2-Trichloroethane	8.61	97	304483	130.004	ug/l	97
56) Ethyl methacrylate	8.74	69	354390	133.657	ug/l	94
57) 1,3-Dichloropropane	8.97	76	503585	127.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.75	63	164123	601.911	ug/l	100
59) 2-Hexanone	9.61	43	798514	605.908	ug/l	96
60) Dibromochloromethane	8.84	129	485424	138.092	ug/l	99
61) 1,2-Dibromoethane	9.11	107	350196	136.670	ug/l	100
64) Tetrachloroethene	8.27	164	417542	127.746	ug/l	94
65) Chlorobenzene	9.92	112	1044823	125.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	452202	123.844	ug/l	97
67) Ethyl Benzene	10.02	91	1896368	119.289	ug/l	97
68) m/p-Xylenes	10.25	106	1319851	242.701	ug/l	84
69) o-Xylene	10.81	106	709002	119.501	ug/l	91
70) Styrene	10.89	104	1033582	122.716	ug/l	97
71) Bromoform	10.87	173	261692	135.042	ug/l #	98
73) Isopropylbenzene	11.21	105	2044188	117.420	ug/l	92
74) N-amyl acetate	11.45	43	506144	128.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	375628	120.412	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	274503	118.405	ug/l	94
77) Bromobenzene	11.58	156	485903	125.077	ug/l	92
78) n-propylbenzene	11.68	91	2306967	110.348	ug/l	93
79) 2-Chlorotoluene	11.79	91	1441216	117.574	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	1668810	113.578	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	184624	182.141	ug/l	92
82) 4-Chlorotoluene	11.97	91	1498648	118.662	ug/l	99
83) tert-Butylbenzene	12.20	119	1621406	111.867	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	1717734	117.364	ug/l	93
85) sec-Butylbenzene	12.38	105	2222918	110.863	ug/l	93
86) p-Isopropyltoluene	12.52	119	1833666	111.915	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	844796	115.631	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	864854	120.337	ug/l	96
89) n-Butylbenzene	12.91	91	1878706	108.766	ug/l	89
90) Hexachloroethane	12.98	117	486853	116.388	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	819371	116.947	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	83838	134.858	ug/l	91

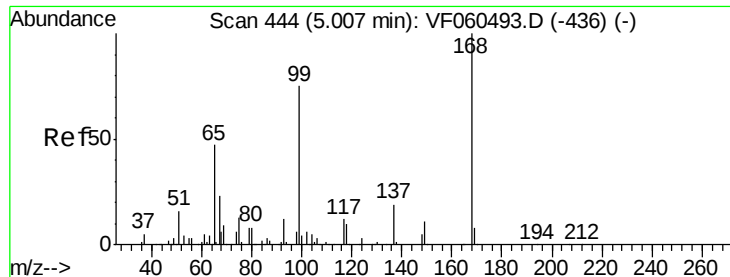
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	596587	113.840	ug/l	98
94) Hexachlorobutadiene	14.24	225	439964	119.382	ug/l	98
95) Naphthalene	14.50	128	1204137	128.680	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	602815	122.110	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.01 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

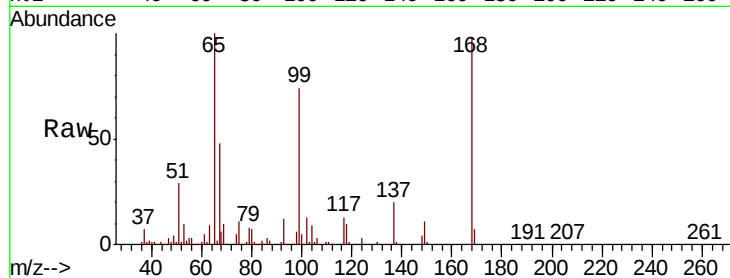
VSTDIC150

Tgt Ion:168 Resp: 256707

Ion Ratio Lower Upper

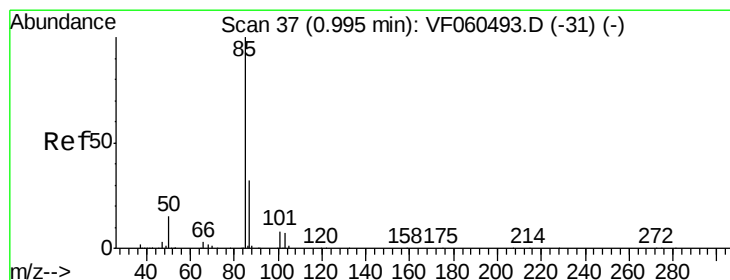
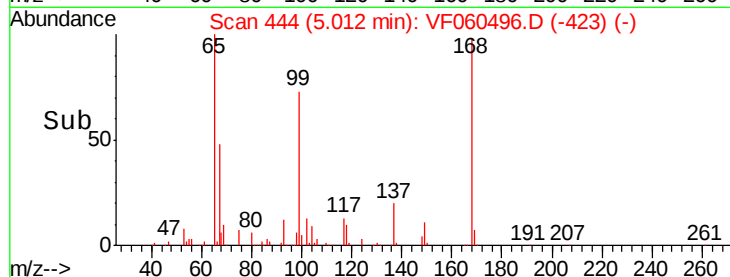
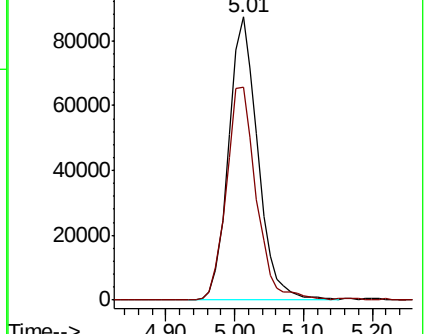
168 100

99 75.4 60.3 90.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 110.971 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.00 min

Lab File: VF060496.D

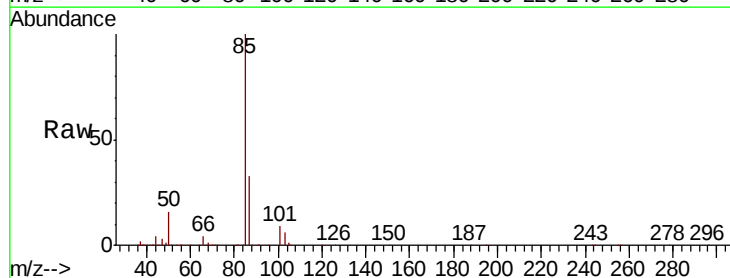
Acq: 9 Oct 2018 17:39

Tgt Ion: 85 Resp: 650599

Ion Ratio Lower Upper

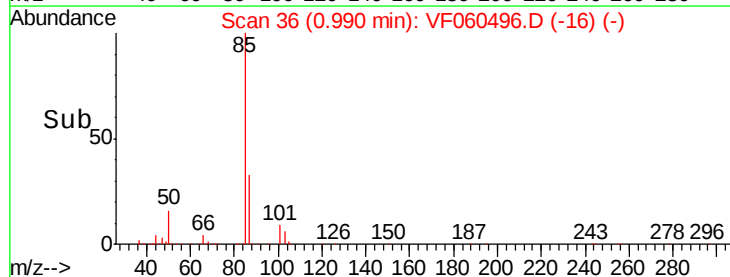
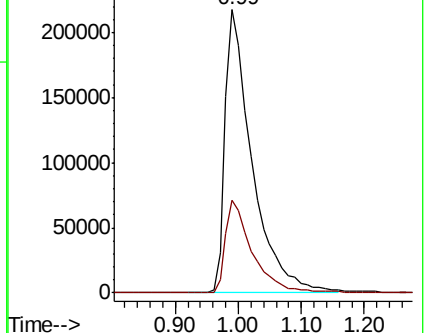
85 100

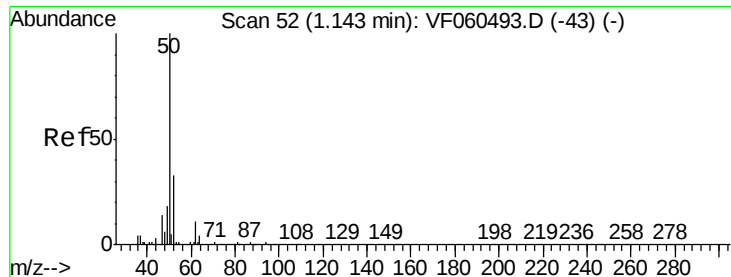
87 32.9 16.2 48.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 118.906 ug/l

RT: 1.13 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

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ClientSampleId :

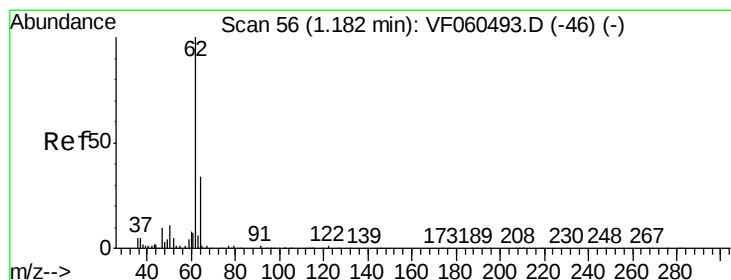
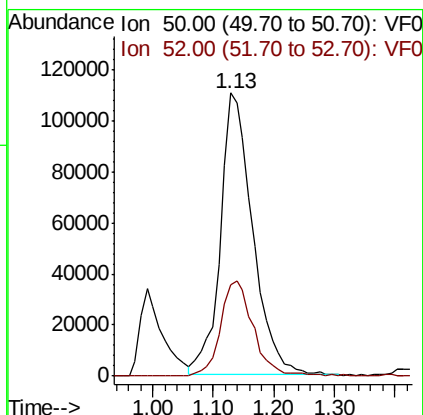
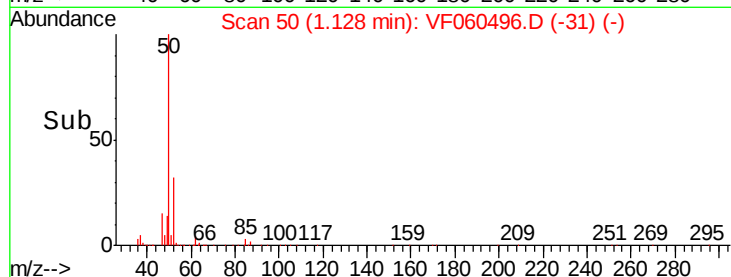
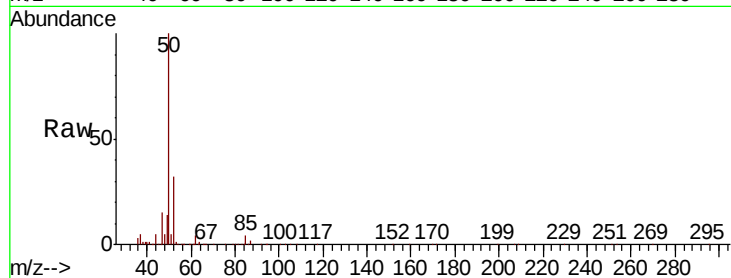
VSTDIC150

Tgt Ion: 50 Resp: 406754

Ion Ratio Lower Upper

50 100

52 32.3 25.0 37.4



#4

Vinyl Chloride

Concen: 123.525 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060496.D

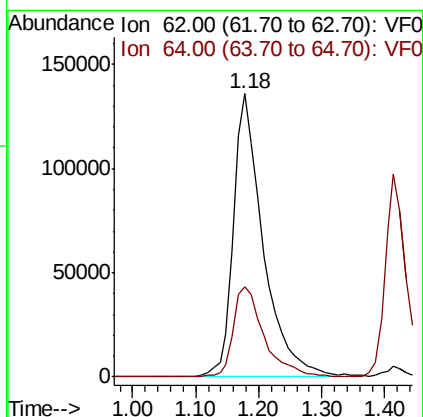
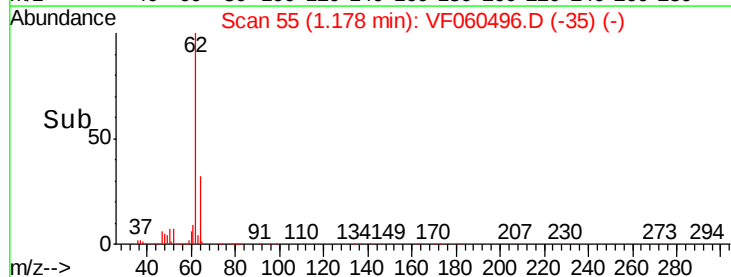
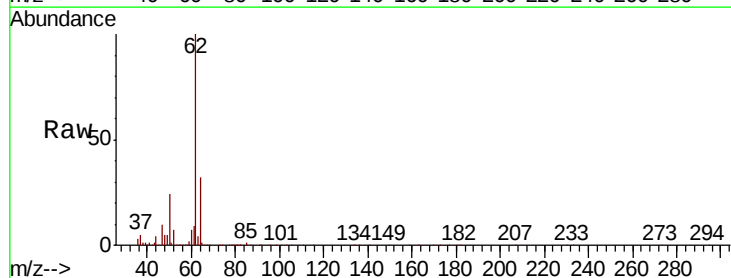
Acq: 9 Oct 2018 17:39

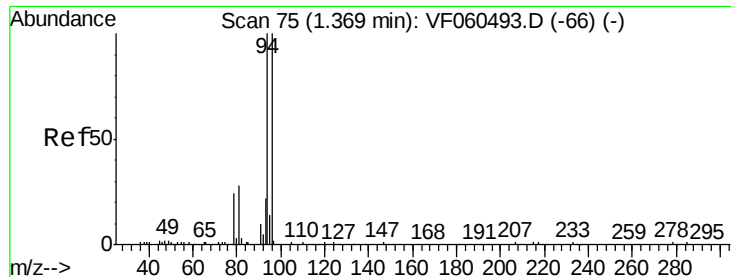
Tgt Ion: 62 Resp: 442221

Ion Ratio Lower Upper

62 100

64 31.9 27.5 41.3





#5

Bromomethane

Concen: 124.514 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

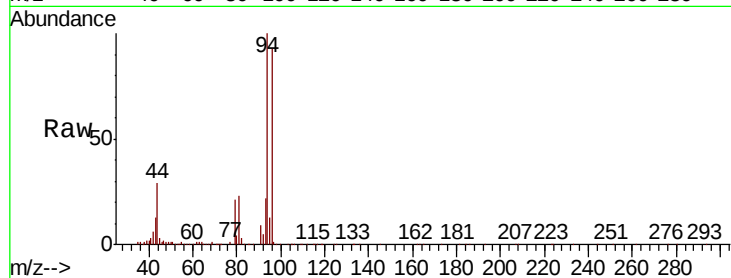
VSTDIC150

Tgt Ion: 94 Resp: 344688

Ion Ratio Lower Upper

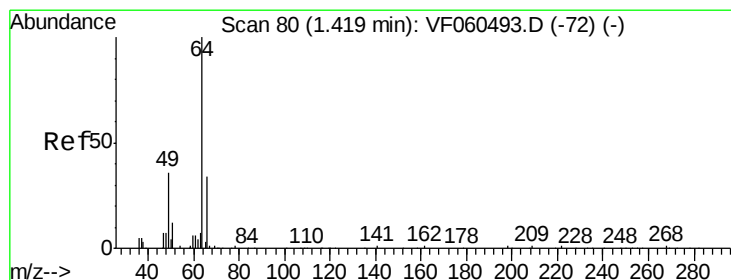
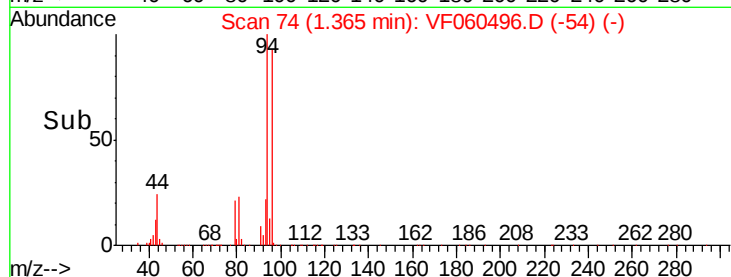
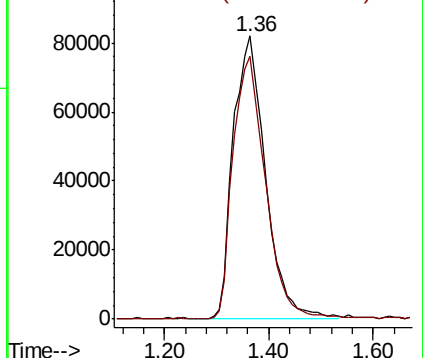
94 100

96 92.9 80.6 120.8



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 131.233 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.00 min

Lab File: VF060496.D

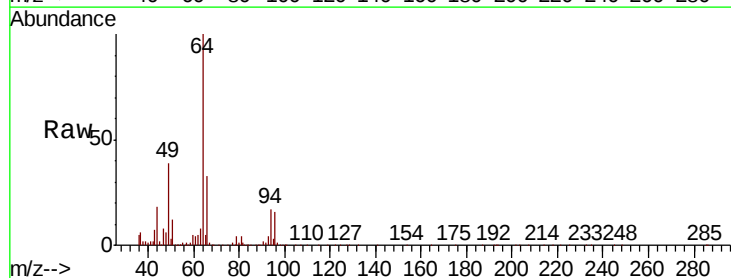
Acq: 9 Oct 2018 17:39

Tgt Ion: 64 Resp: 233794

Ion Ratio Lower Upper

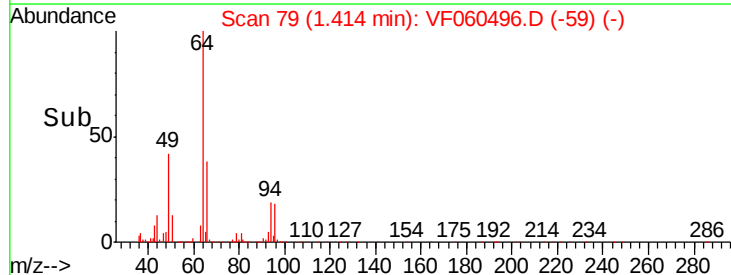
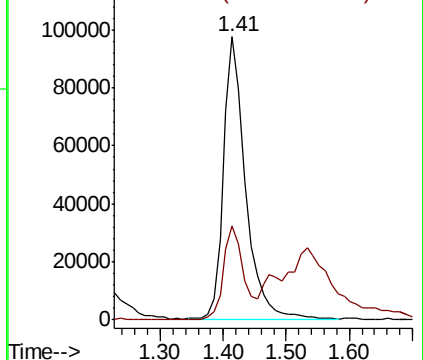
64 100

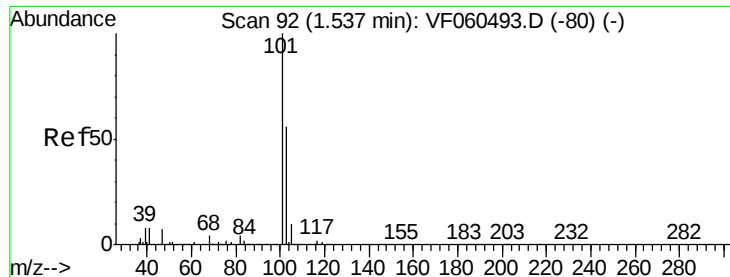
66 33.2 27.0 40.6



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



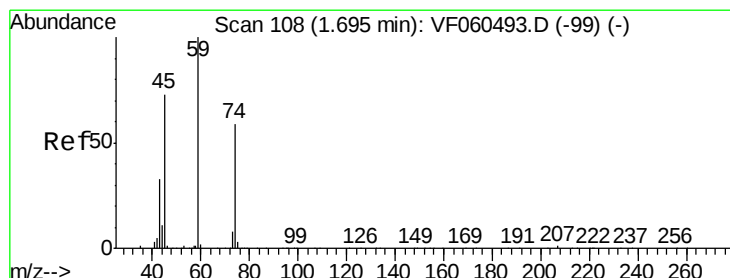
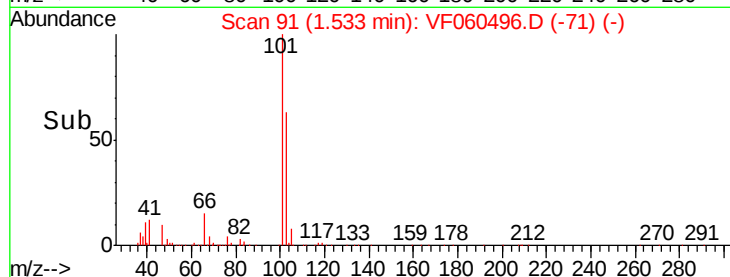
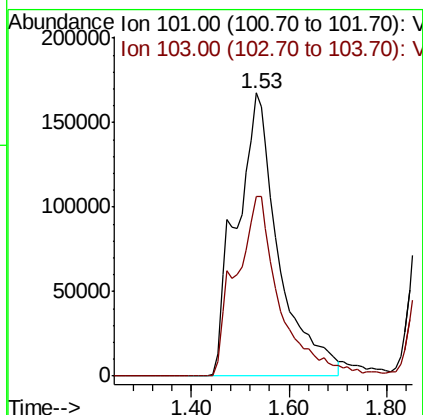
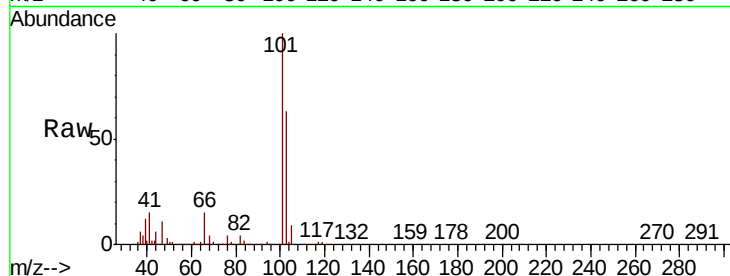


#7

Trichlorofluoromethane
Concen: 121.996 ug/l
RT: 1.53 min Scan# 91
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

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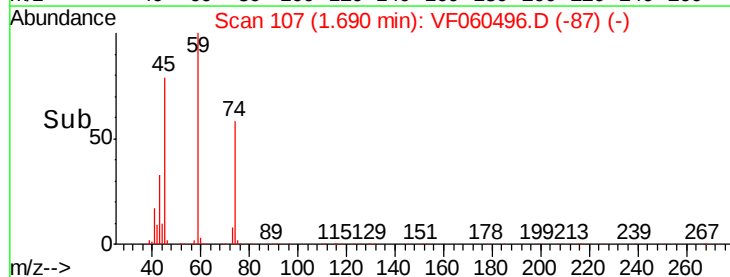
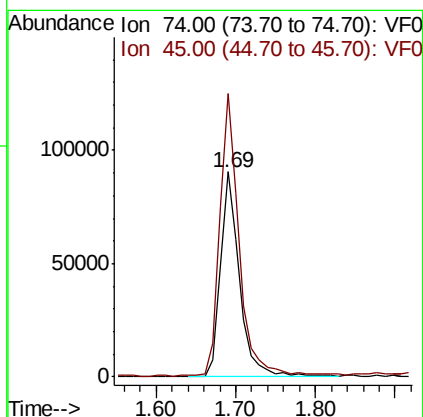
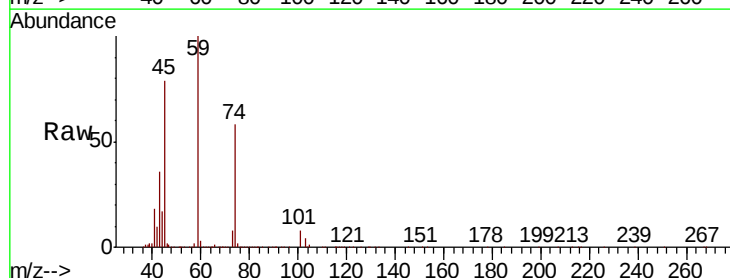
Tgt Ion:101 Resp: 1007531
Ion Ratio Lower Upper
101 100
103 63.3 44.6 66.8

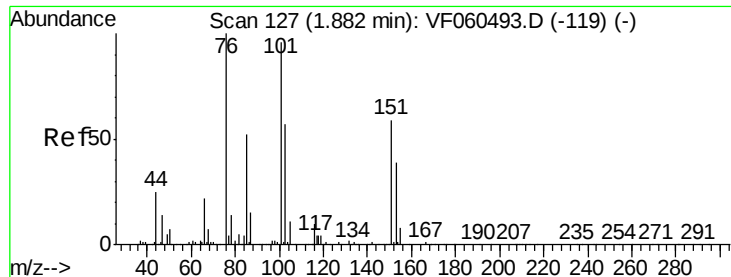


#8

Diethyl Ether
Concen: 132.987 ug/l
RT: 1.69 min Scan# 107
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 74 Resp: 153794
Ion Ratio Lower Upper
74 100
45 138.0 62.7 188.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 126.471 ug/l

RT: 1.88 min Scan# 126

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

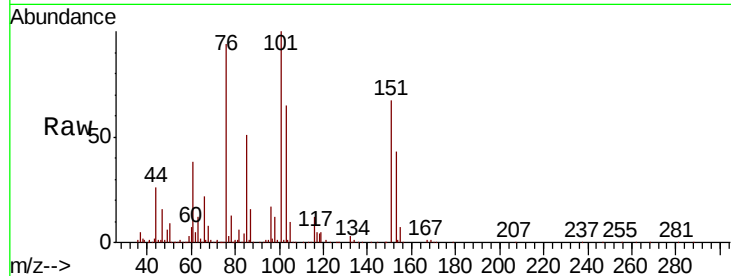
Tgt Ion:101 Resp: 504904

Ion Ratio Lower Upper

101 100

85 50.7 41.8 62.6

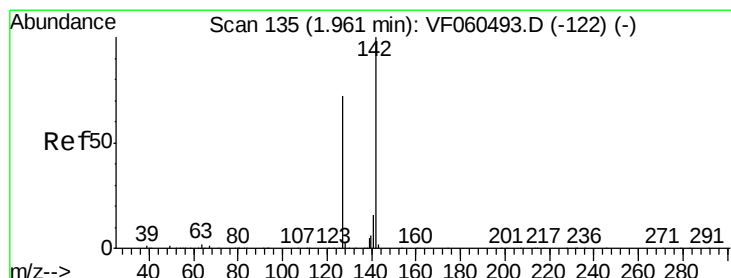
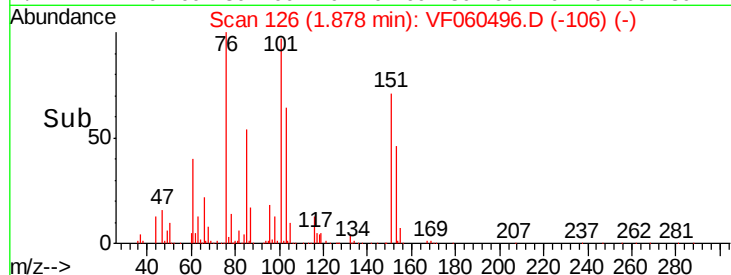
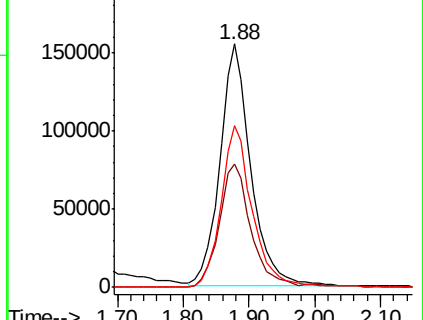
151 66.6 47.4 71.0



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: 138.094 ug/l

RT: 1.95 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

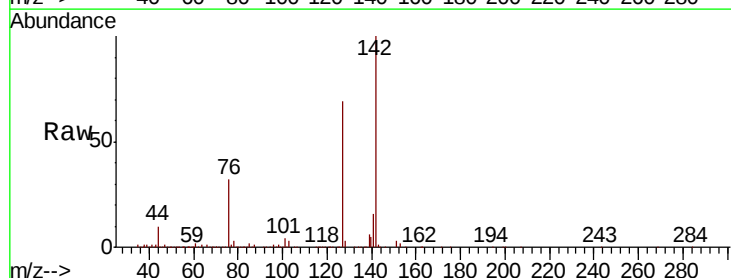
Tgt Ion:142 Resp: 847853

Ion Ratio Lower Upper

142 100

127 68.5 57.9 86.9

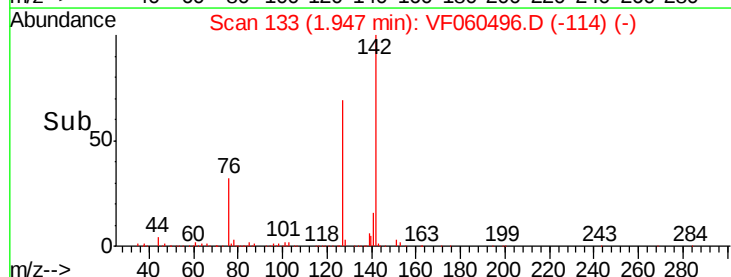
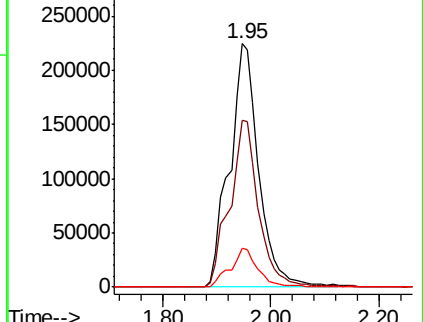
141 16.1 12.7 19.1

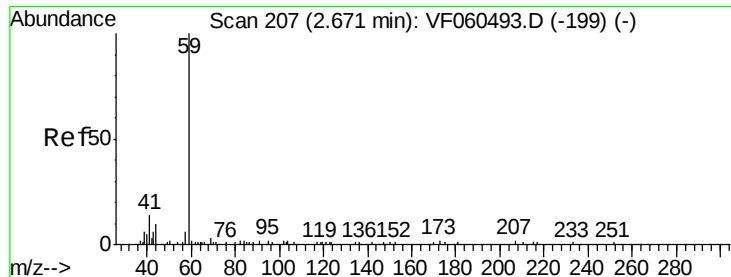


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

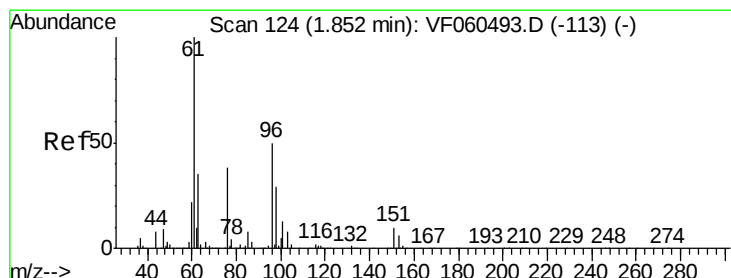
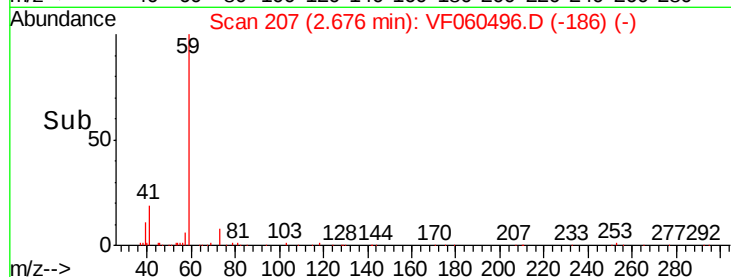
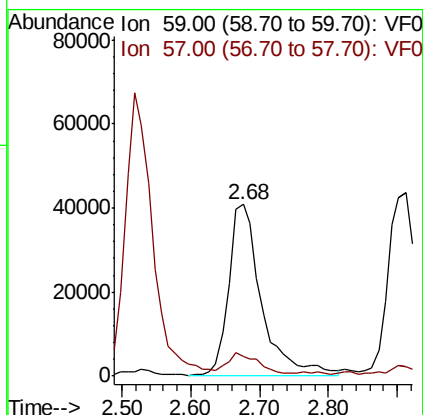
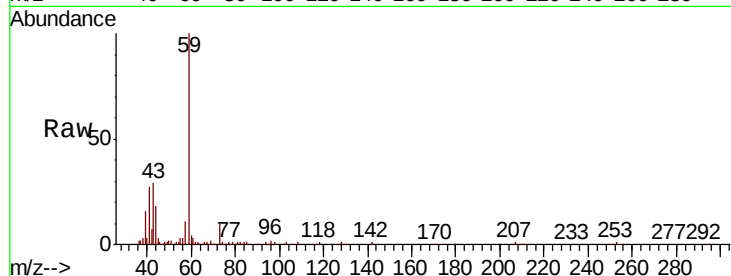




#11
Tert butyl alcohol
Concen: 562.536 ug/l
RT: 2.68 min Scan# 207
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

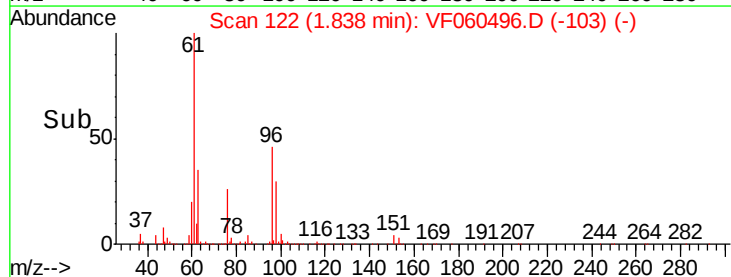
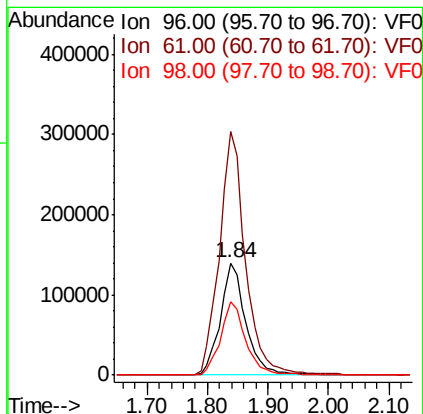
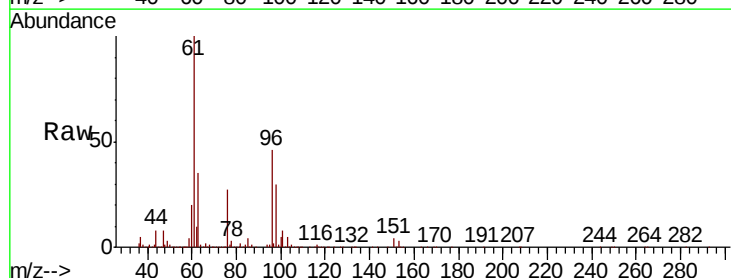
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

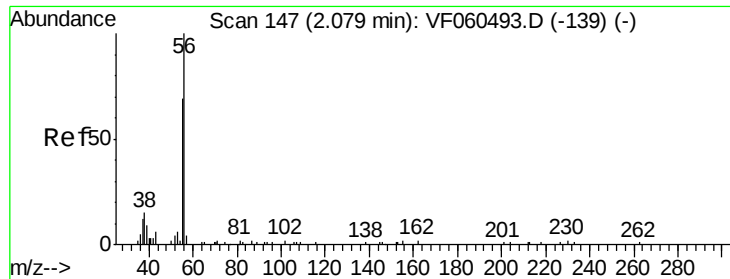
Tgt Ion: 59 Resp: 133576
Ion Ratio Lower Upper
59 100
57 11.2 10.2 15.2



#12
1,1-Dichloroethene
Concen: 128.940 ug/l
RT: 1.84 min Scan# 122
Delta R.T. -0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 96 Resp: 404939
Ion Ratio Lower Upper
96 100
61 216.9 161.9 242.9
98 65.2 47.4 71.2





#13

Acrolein

Concen: 430.823 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

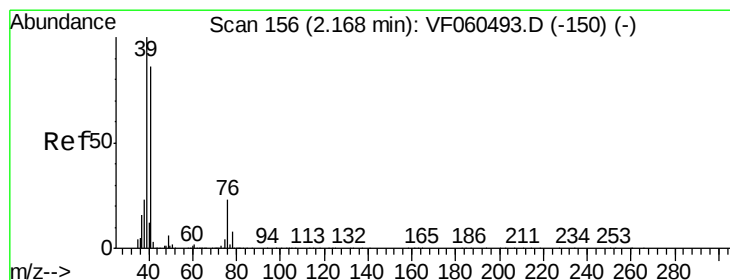
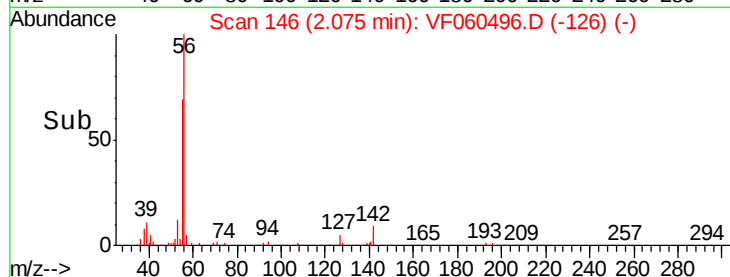
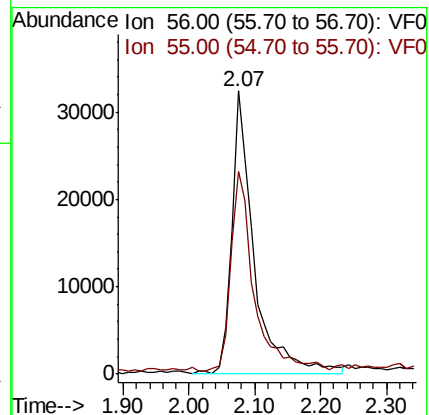
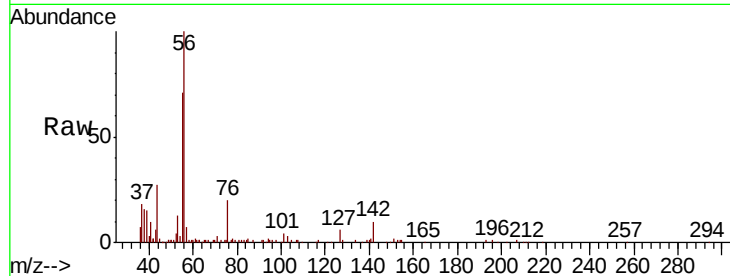
VSTDIC150

Tgt Ion: 56 Resp: 76287

Ion Ratio Lower Upper

56 100

55 71.4 55.3 82.9



#14

Allyl chloride

Concen: 147.775 ug/l

RT: 2.17 min Scan# 156

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

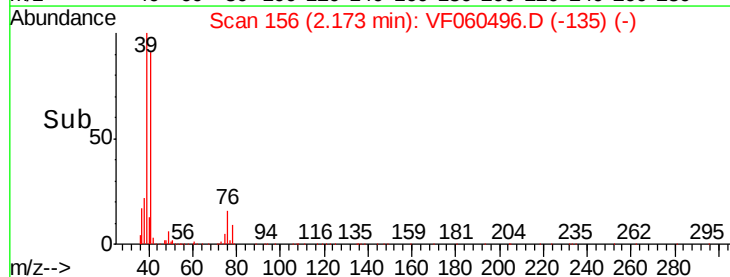
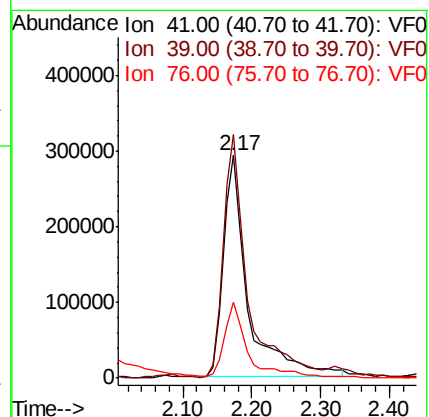
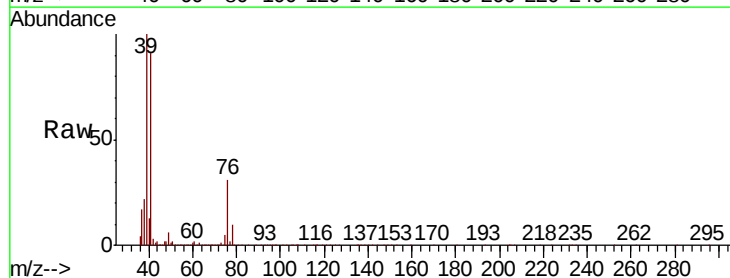
Tgt Ion: 41 Resp: 724887

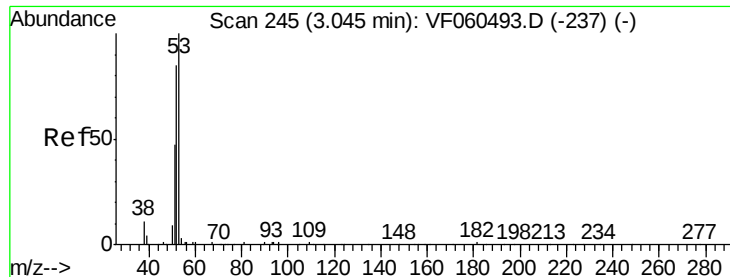
Ion Ratio Lower Upper

41 100

39 109.4 93.1 139.7

76 33.9 21.6 32.4#





#15

Acrylonitrile

Concen: 711.273 ug/l

RT: 3.05 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

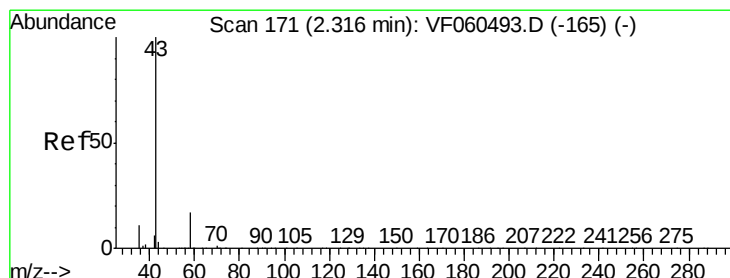
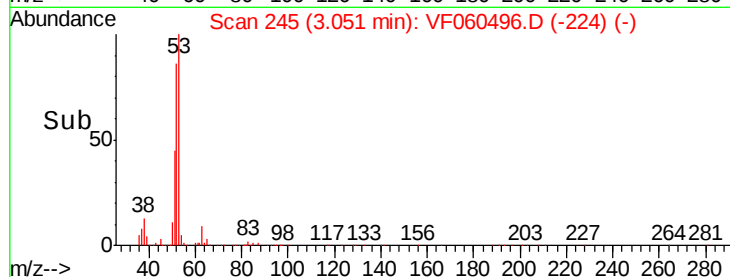
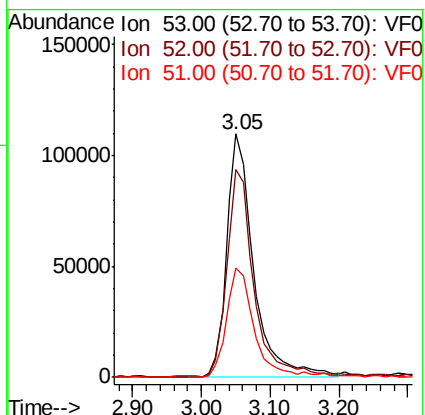
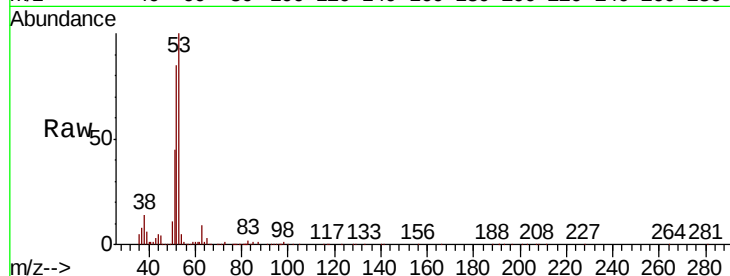
Tgt Ion: 53 Resp: 296588

Ion Ratio Lower Upper

53 100

52 85.4 67.5 101.3

51 44.7 38.2 57.4



#16

Acetone

Concen: 473.366 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060496.D

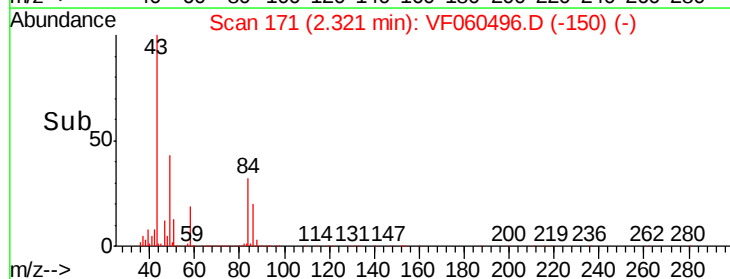
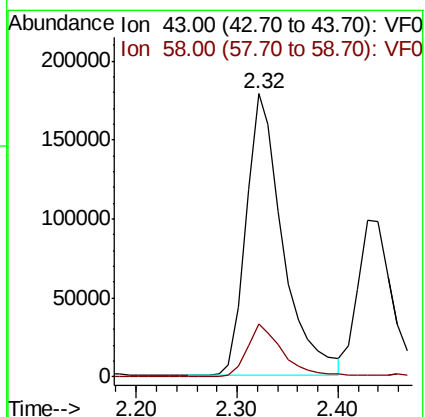
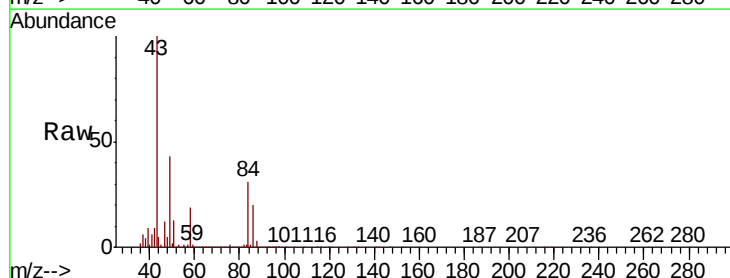
Acq: 9 Oct 2018 17:39

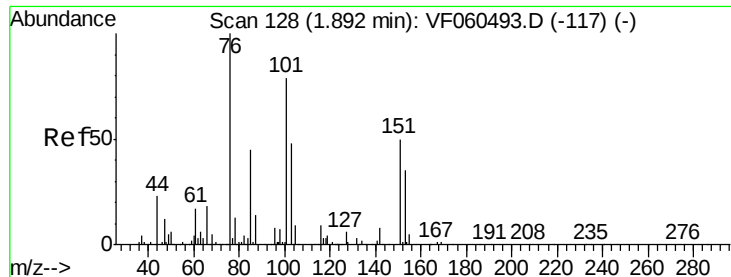
Tgt Ion: 43 Resp: 450965

Ion Ratio Lower Upper

43 100

58 18.9 13.2 19.8

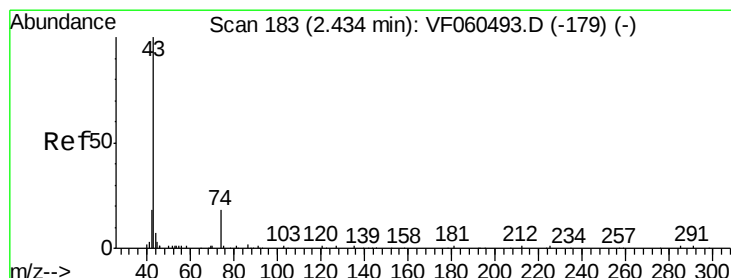
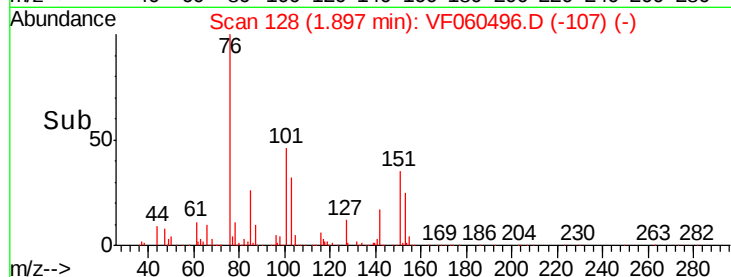
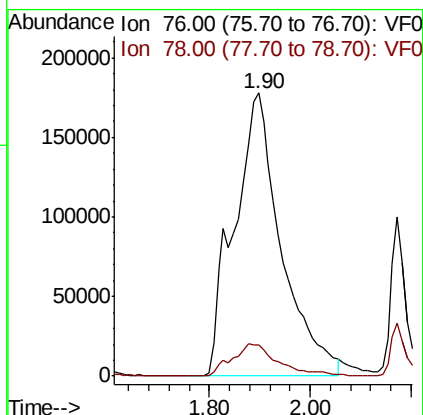
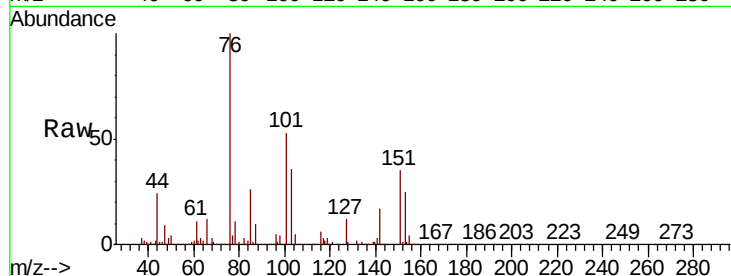




#17
Carbon Disulfide
Concen: 124.041 ug/l
RT: 1.90 min Scan# 128
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

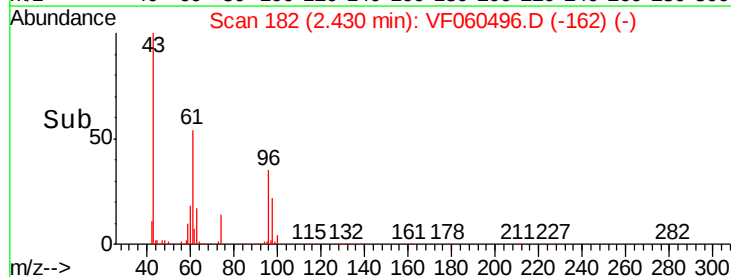
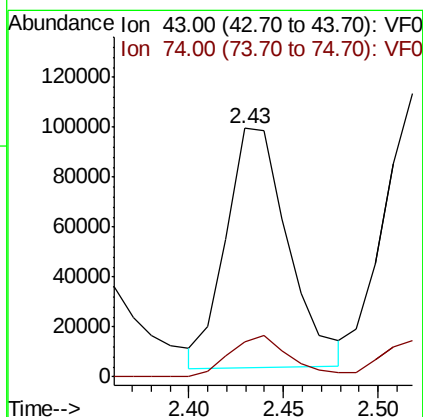
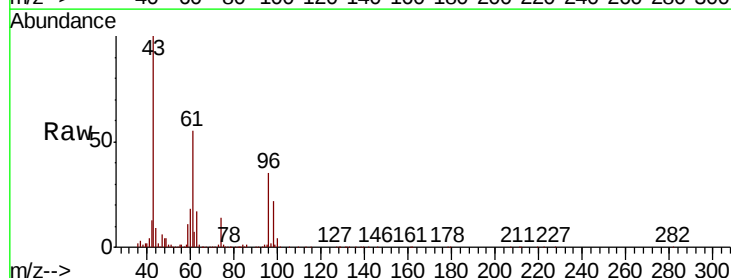
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

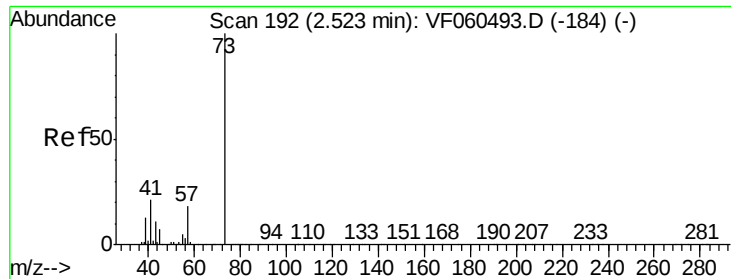
Tgt Ion: 76 Resp: 1152473
Ion Ratio Lower Upper
76 100
78 11.0 10.5 15.7



#18
Methyl Acetate
Concen: 130.232 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 43 Resp: 219022
Ion Ratio Lower Upper
43 100
74 14.0 12.9 19.3



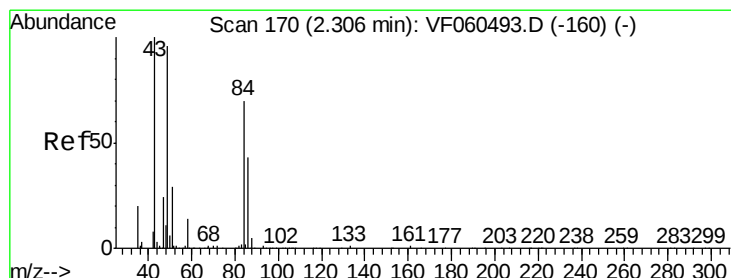
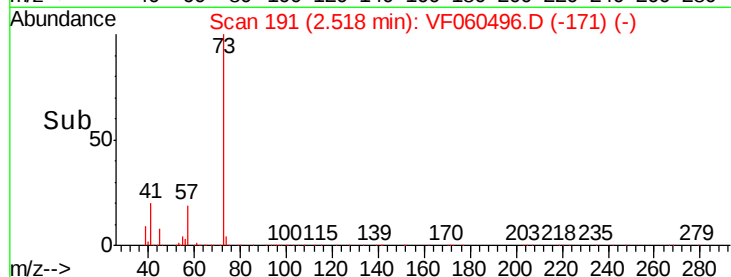
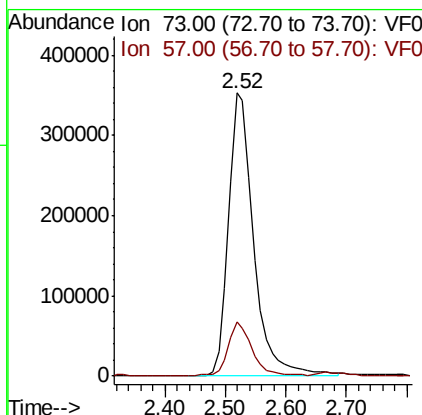
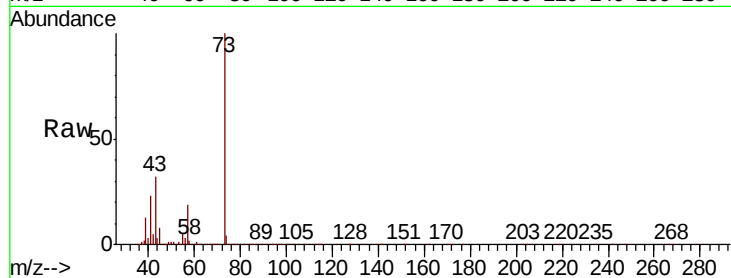


#19

Methyl tert-butyl Ether
Concen: 135.354 ug/l
RT: 2.52 min Scan# 191
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

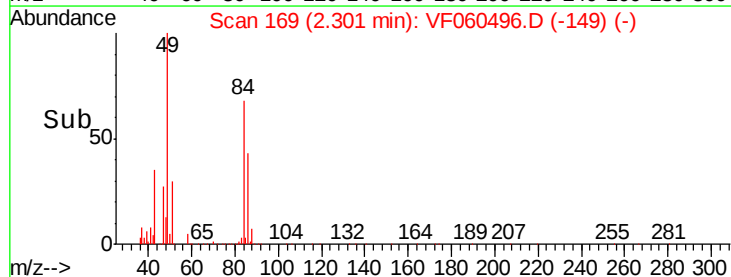
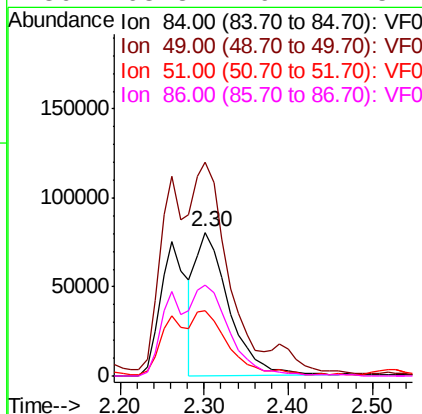
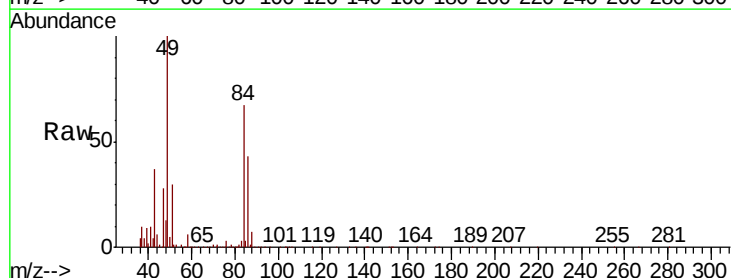
Tgt Ion: 73 Resp: 1022170
Ion Ratio Lower Upper
73 100
57 19.1 15.0 22.6

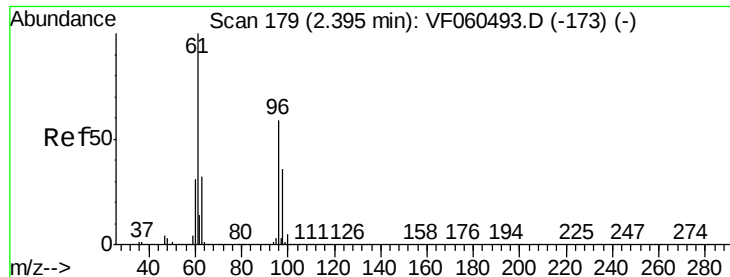


#20

Methylene Chloride
Concen: 63.145 ug/l
RT: 2.30 min Scan# 169
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 84 Resp: 220792
Ion Ratio Lower Upper
84 100
49 148.3 111.5 167.3
51 45.1 34.6 52.0
86 63.3 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 135.853 ug/l

RT: 2.39 min Scan# 178

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

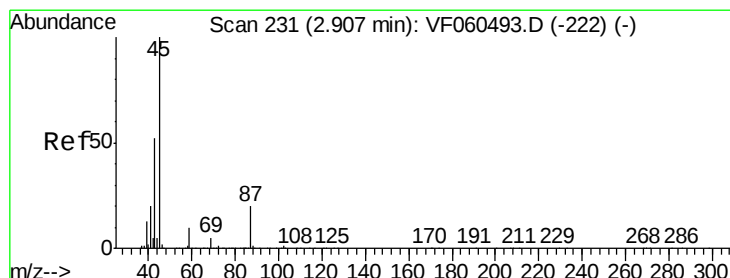
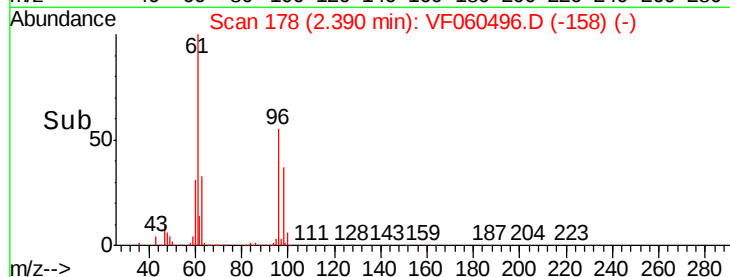
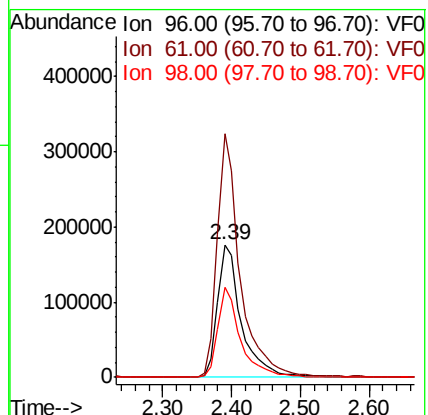
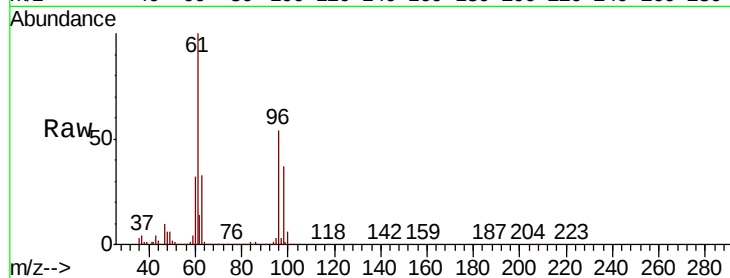
Tgt Ion: 96 Resp: 423902

Ion Ratio Lower Upper

96 100

61 183.5 136.2 204.4

98 68.1 49.7 74.5



#22

Diisopropyl ether

Concen: 139.408 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion: 45 Resp: 1290812

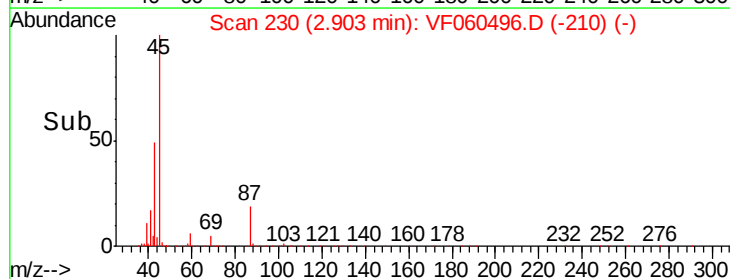
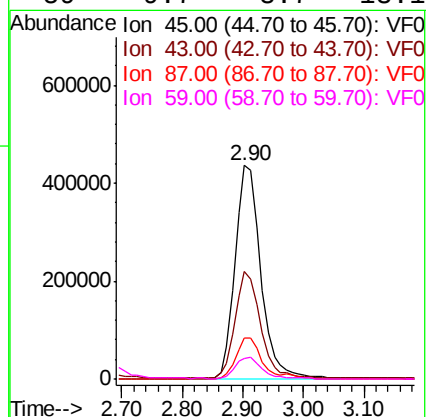
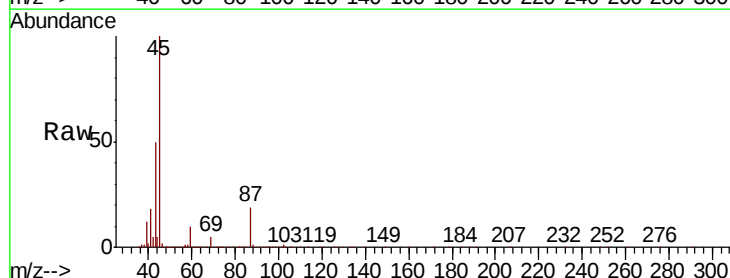
Ion Ratio Lower Upper

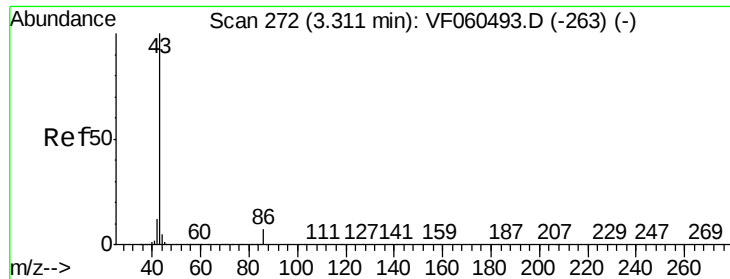
45 100

43 50.2 41.8 62.8

87 19.3 15.7 23.5

59 9.7 8.7 13.1





#23

Vinyl Acetate

Concen: 641.723 ug/l

RT: 3.31 min Scan# 271

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

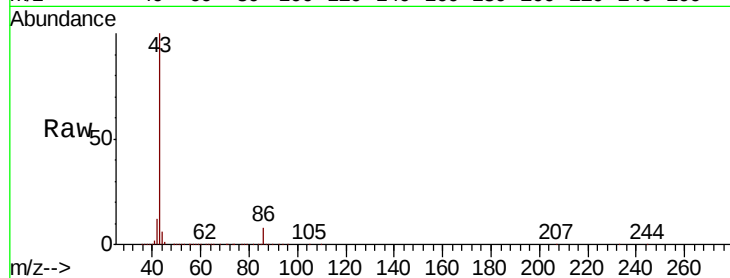
VSTDIC150

Tgt Ion: 43 Resp: 2295820

Ion Ratio Lower Upper

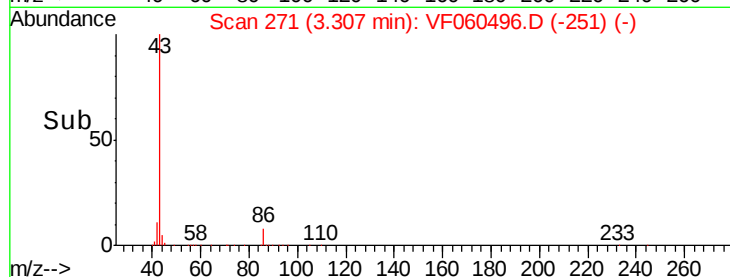
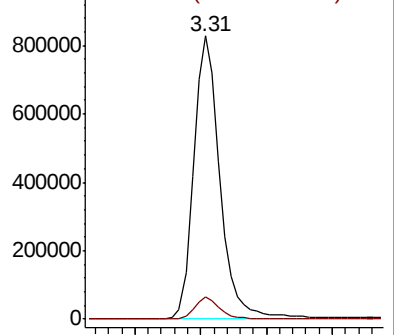
43 100

86 7.9 5.8 8.8

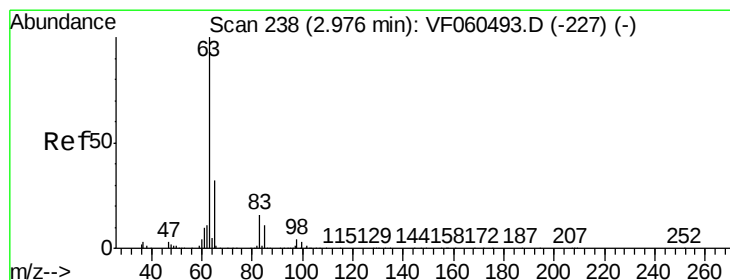


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 135.273 ug/l

RT: 2.98 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

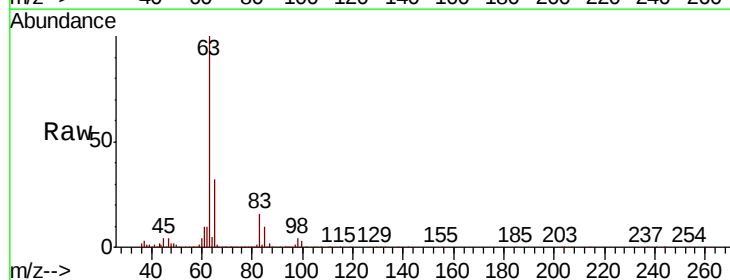
Tgt Ion: 63 Resp: 843144

Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

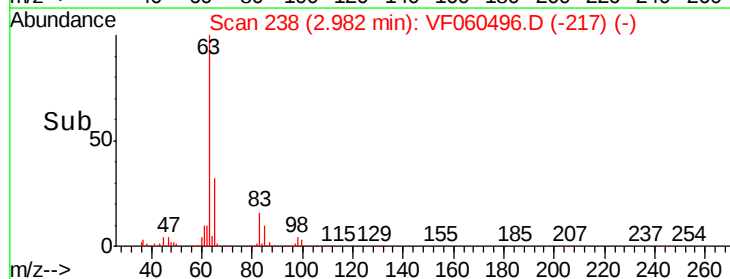
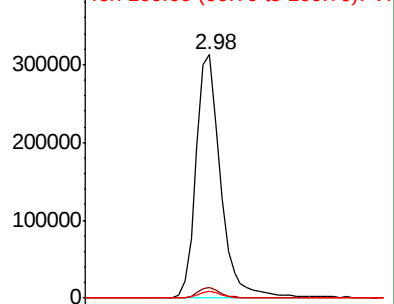
100 2.8 1.5 4.4



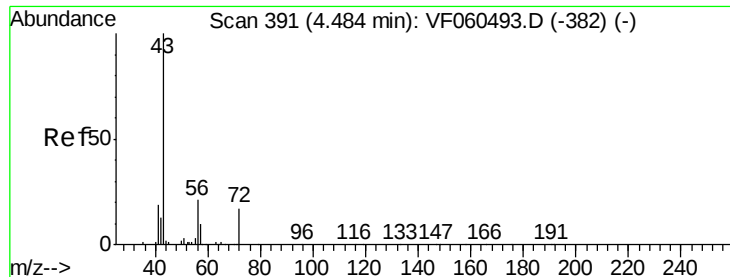
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->



#25

2-Butanone

Concen: 591.922 ug/l

RT: 4.48 min Scan# 390

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

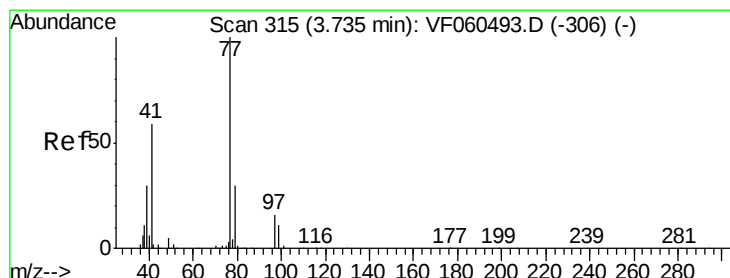
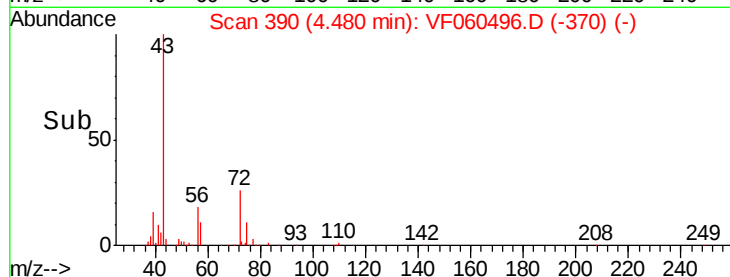
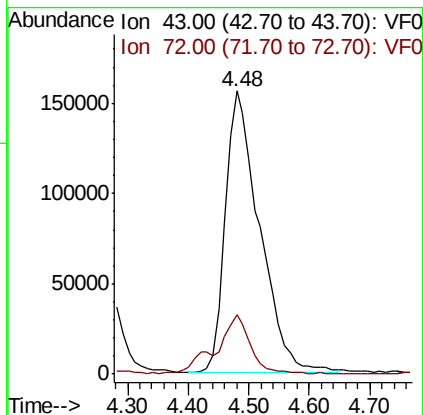
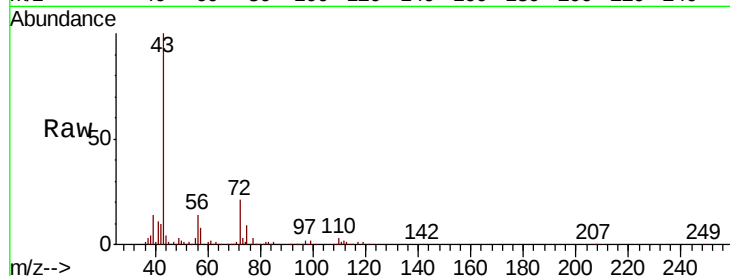
VSTDIC150

Tgt Ion: 43 Resp: 609618

Ion Ratio Lower Upper

43 100

72 21.0 15.0 22.6



#26

2,2-Dichloropropane

Concen: 127.046 ug/l

RT: 3.73 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF060496.D

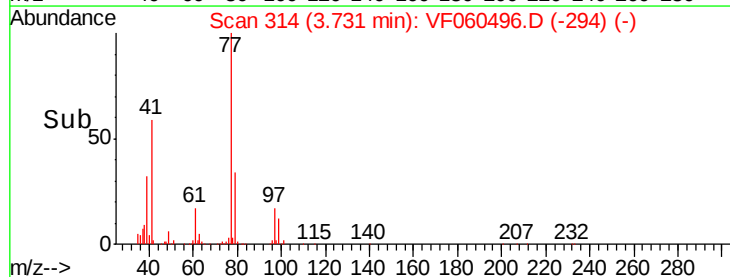
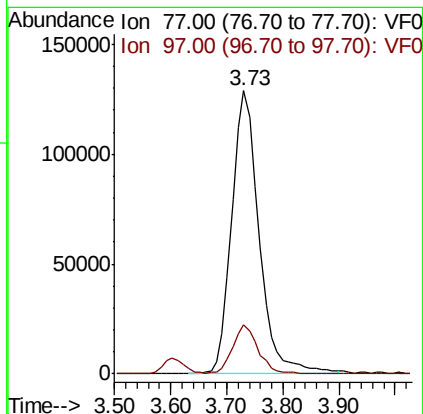
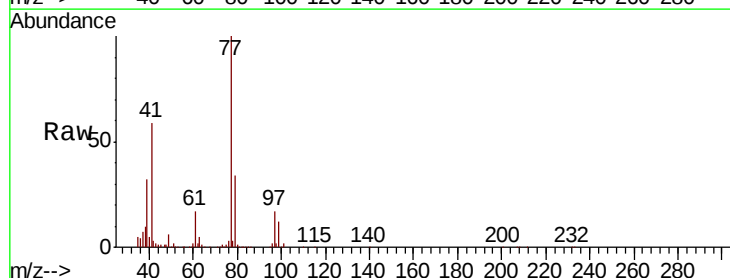
Acq: 9 Oct 2018 17:39

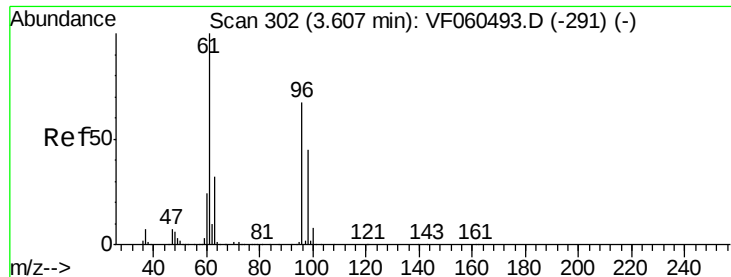
Tgt Ion: 77 Resp: 439203

Ion Ratio Lower Upper

77 100

97 17.3 8.6 25.7



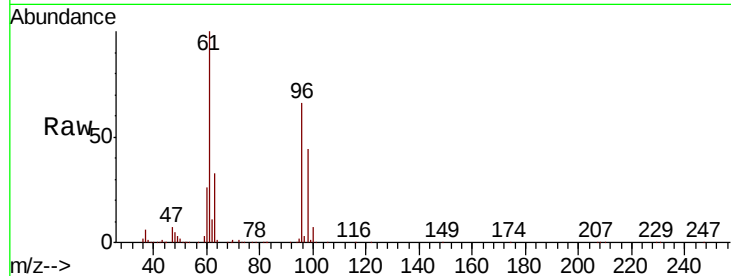


#27

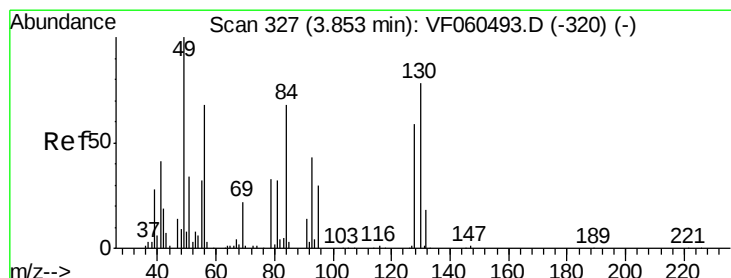
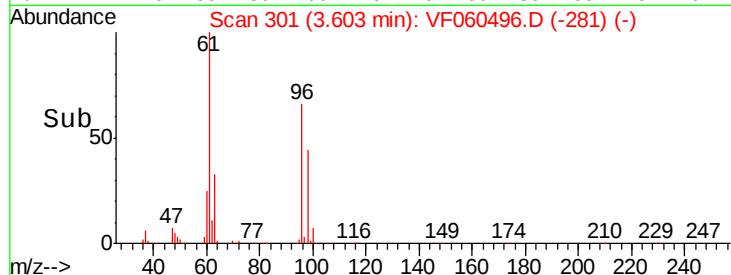
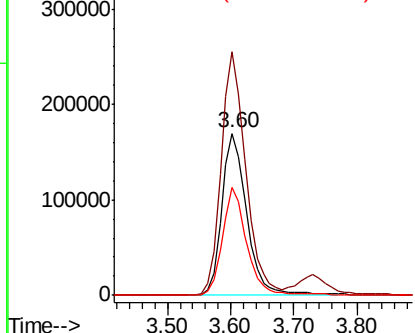
cis-1,2-Dichloroethene
Concen: 133.974 ug/l
RT: 3.60 min Scan# 301
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion: 96 Resp: 468507
Ion Ratio Lower Upper
96 100
61 150.6 0.0 298.0
98 67.0 0.0 135.0



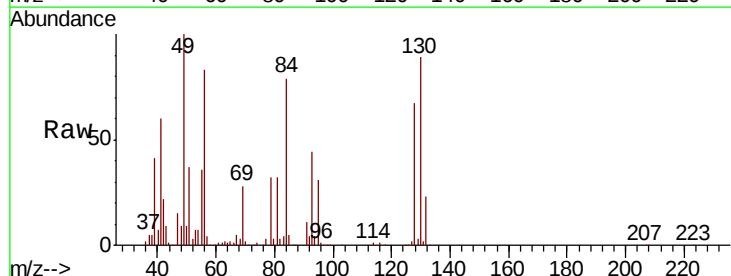
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



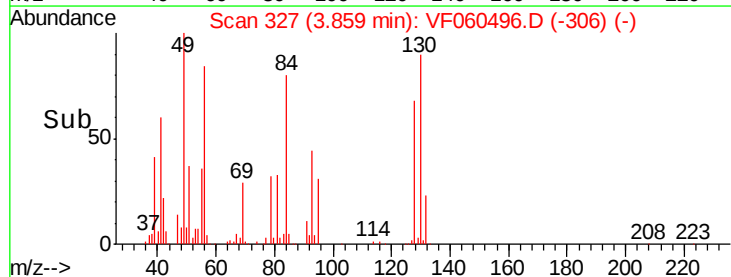
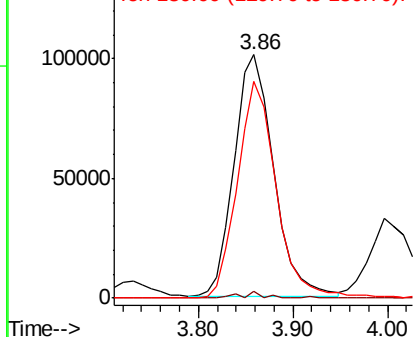
#28

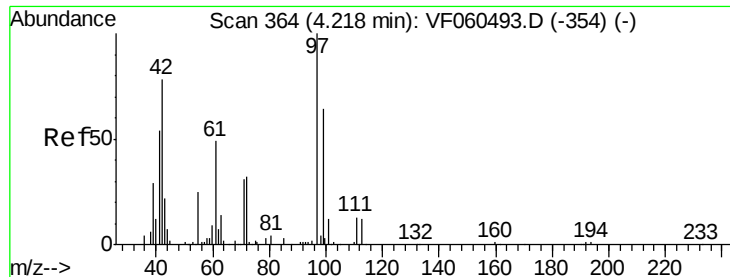
Bromochloromethane
Concen: 132.492 ug/l
RT: 3.86 min Scan# 327
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 49 Resp: 292557
Ion Ratio Lower Upper
49 100
129 2.9 0.0 0.0#
130 89.1 62.2 93.2



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: 600.679 ug/l

RT: 4.22 min Scan# 364

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

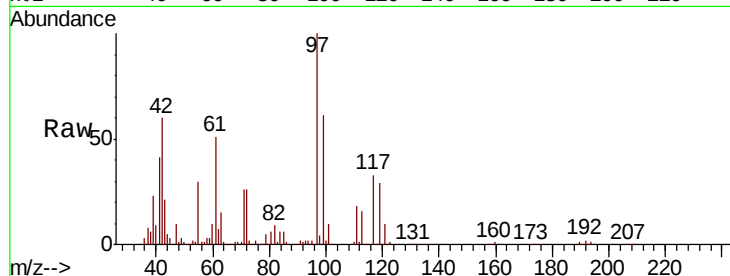
Tgt Ion: 42 Resp: 250046

Ion Ratio Lower Upper

42 100

72 38.7 31.9 47.9

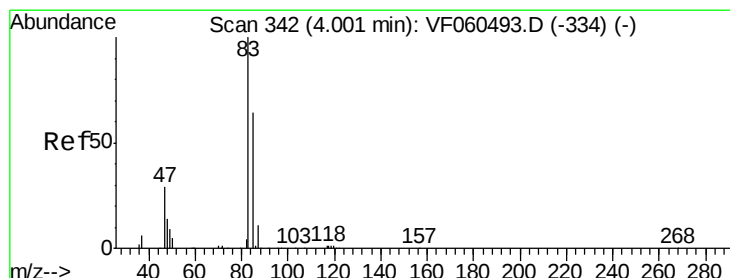
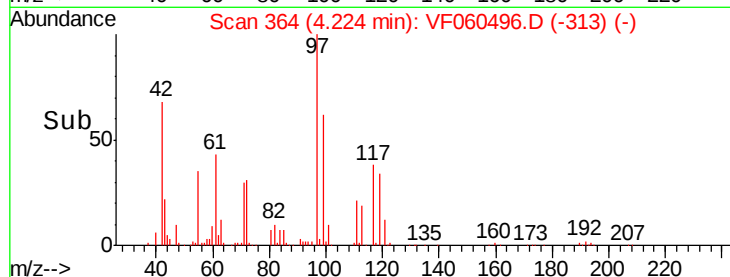
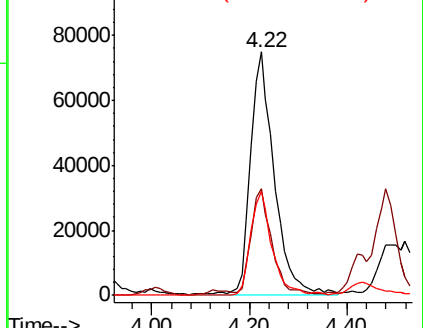
71 38.8 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 137.235 ug/l

RT: 4.01 min Scan# 342

Delta R.T. 0.01 min

Lab File: VF060496.D

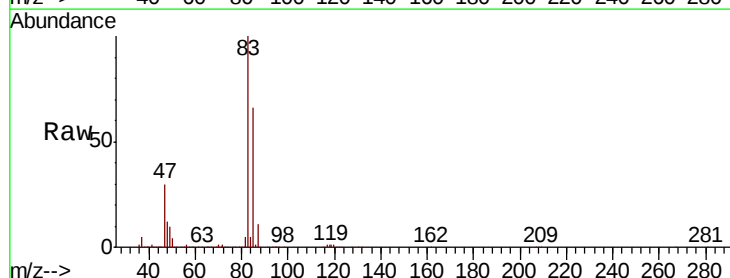
Acq: 9 Oct 2018 17:39

Tgt Ion: 83 Resp: 1031022

Ion Ratio Lower Upper

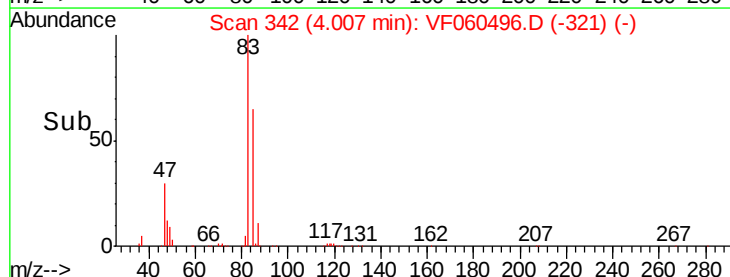
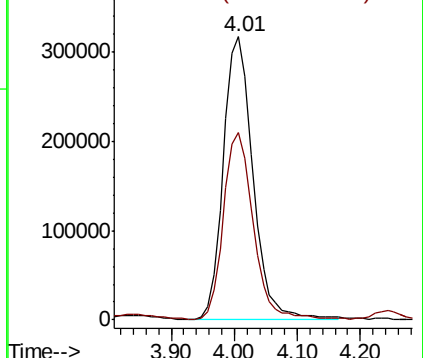
83 100

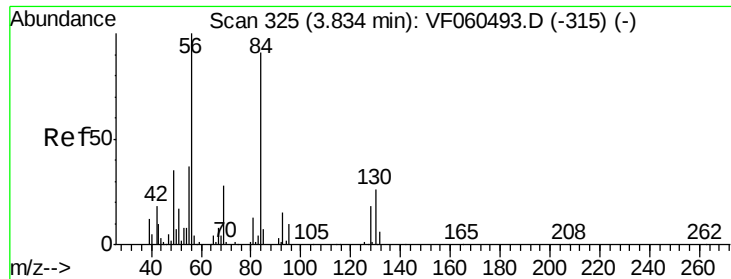
85 66.0 51.7 77.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

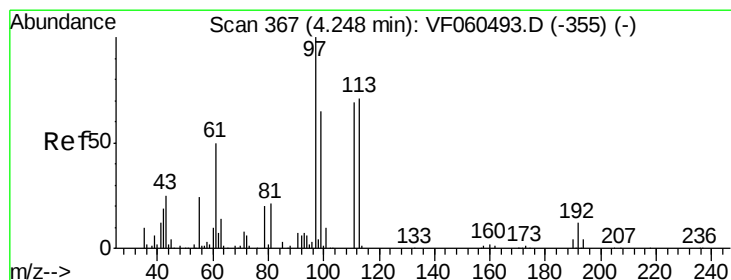
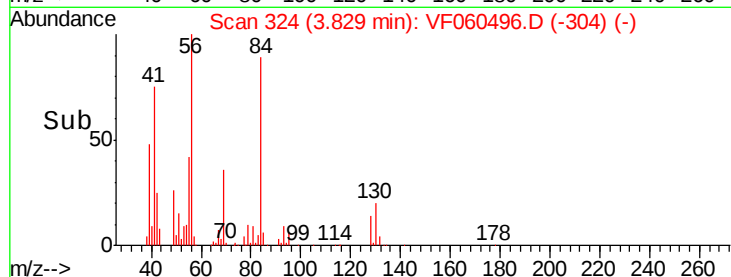
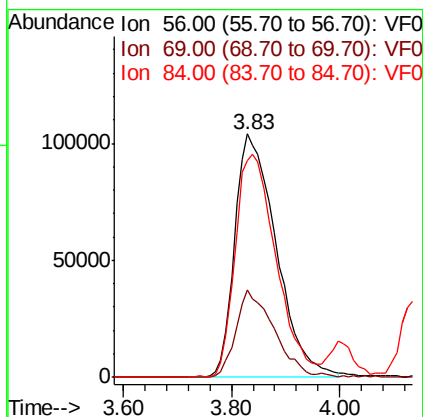
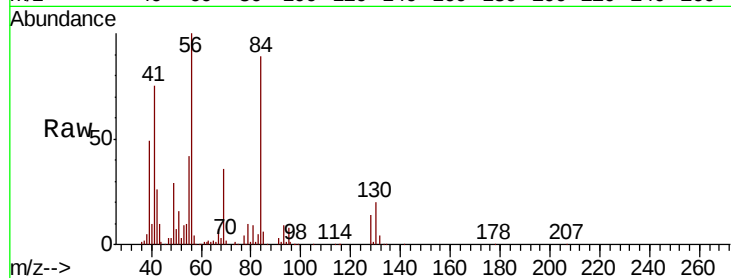




#31
Cyclohexane
Concen: 128.400 ug/l
RT: 3.83 min Scan# 324
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

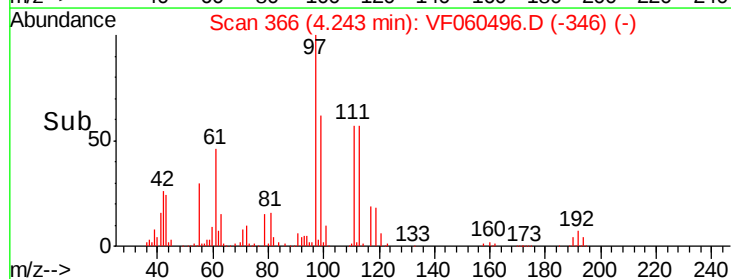
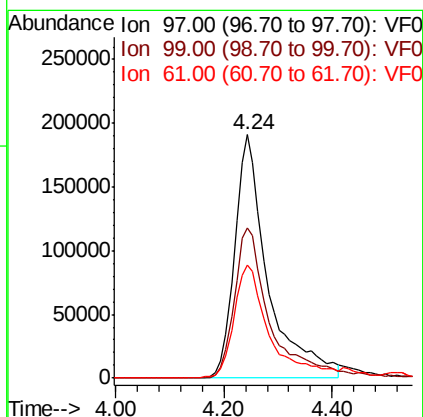
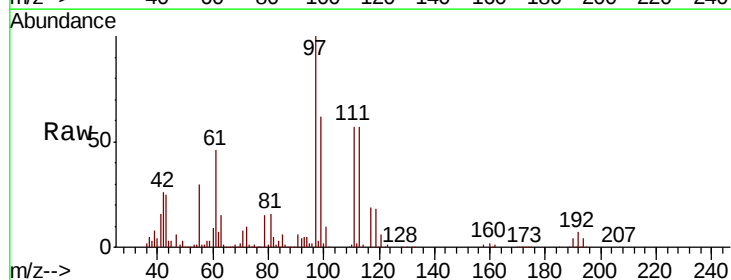
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

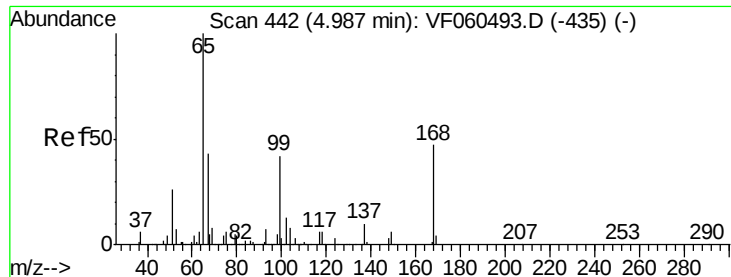
Tgt Ion: 56 Resp: 555376
Ion Ratio Lower Upper
56 100
69 36.1 22.7 34.1#
84 89.1 73.1 109.7



#32
1,1,1-Trichloroethane
Concen: 132.127 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 97 Resp: 815992
Ion Ratio Lower Upper
97 100
99 61.9 52.3 78.5
61 46.4 39.8 59.8





#33

1,2-Dichloroethane-d4

Concen: 135.811 ug/l

RT: 4.99 min Scan# 442

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

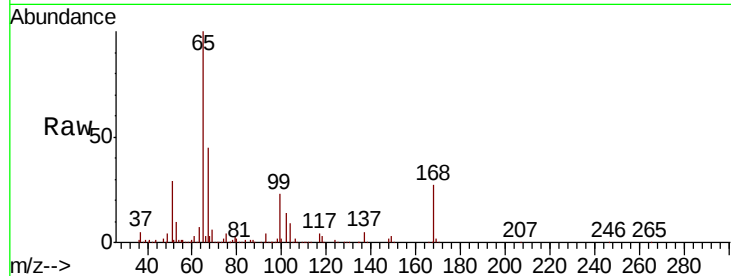
VSTDIC150

Tgt Ion: 65 Resp: 543069

Ion Ratio Lower Upper

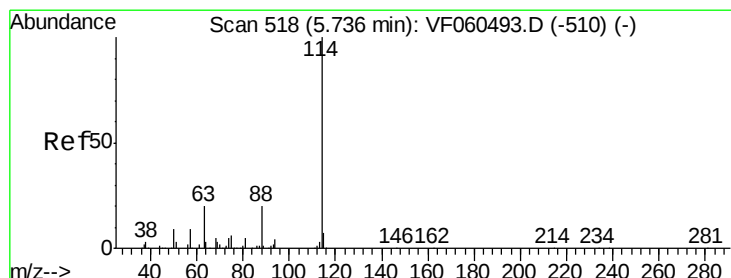
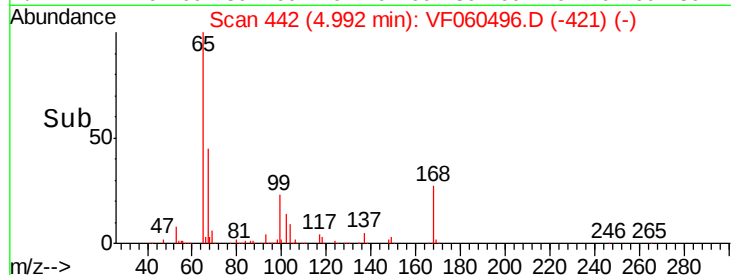
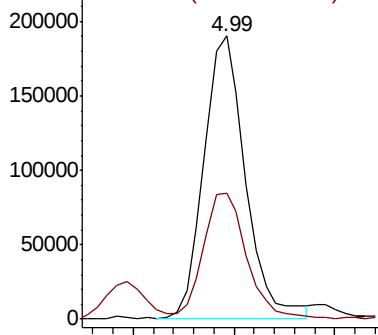
65 100

67 44.6 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.73 min Scan# 517

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

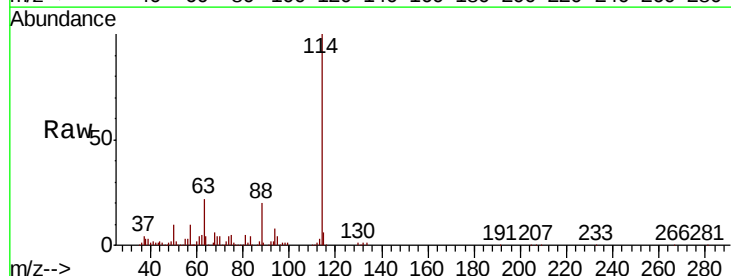
Tgt Ion: 114 Resp: 447617

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.2

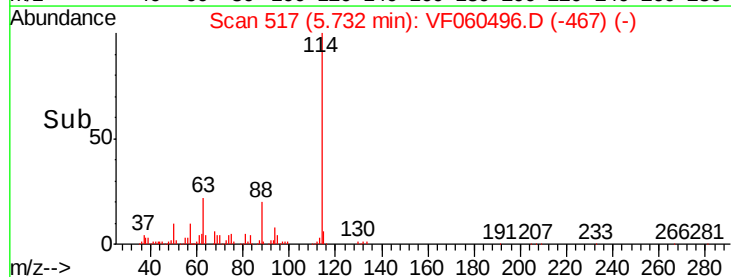
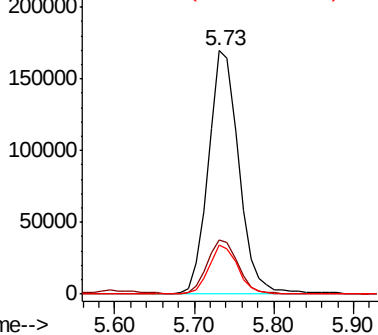
88 20.0 0.0 40.2

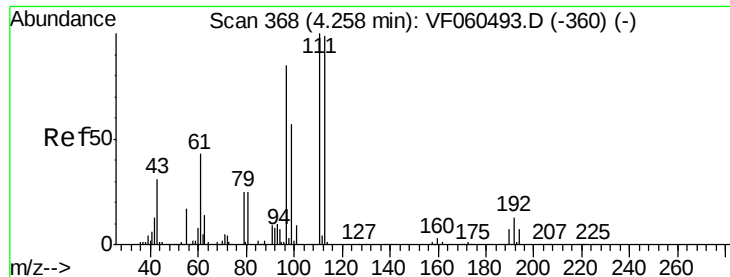


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 131.903 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

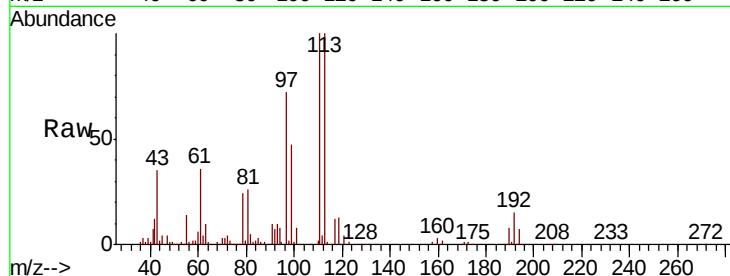
Tgt Ion:113 Resp: 552022

Ion Ratio Lower Upper

113 100

111 100.2 81.0 121.6

192 15.5 10.7 16.1

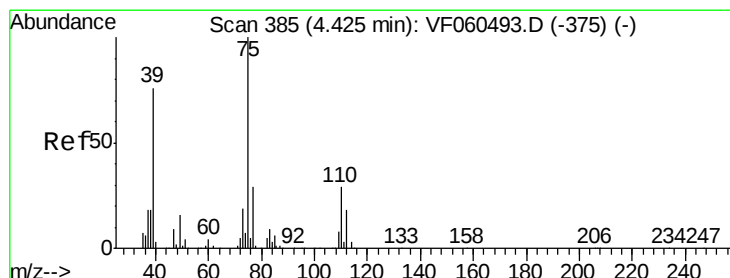
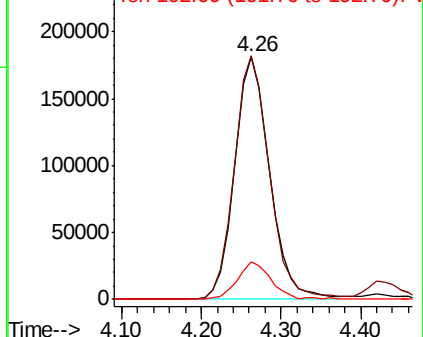
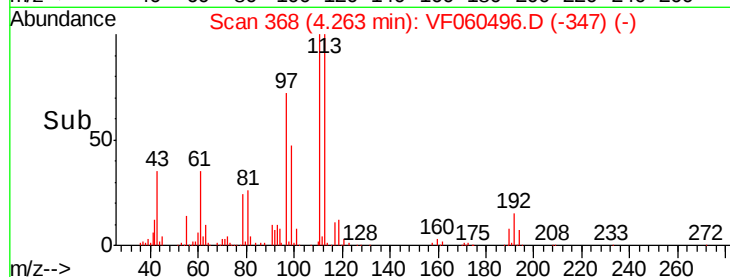


Abundance

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: 124.265 ug/l

RT: 4.43 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

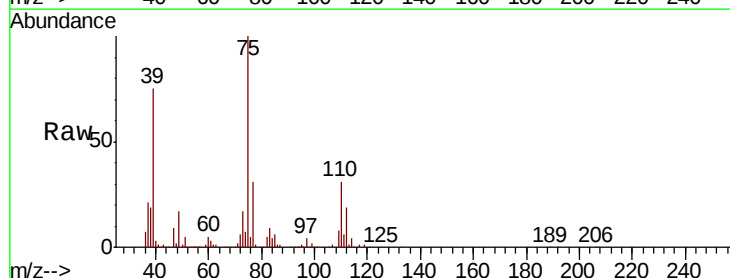
Tgt Ion: 75 Resp: 679985

Ion Ratio Lower Upper

75 100

110 31.5 14.4 43.2

77 31.3 23.5 35.3

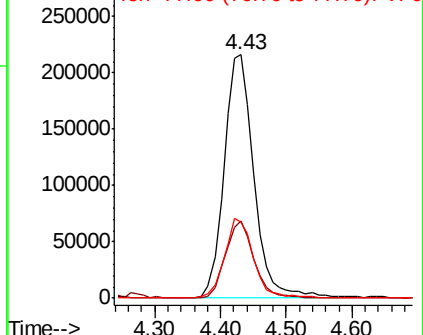
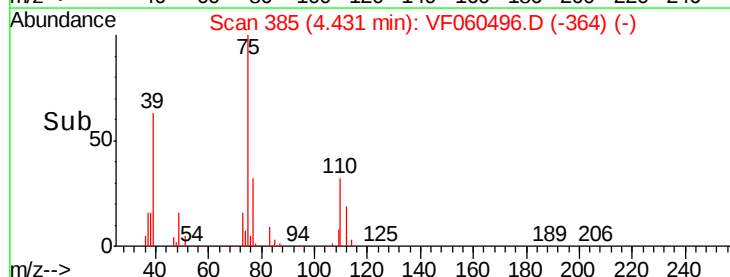


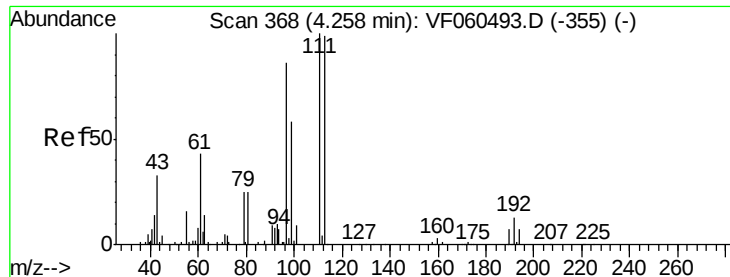
Abundance

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

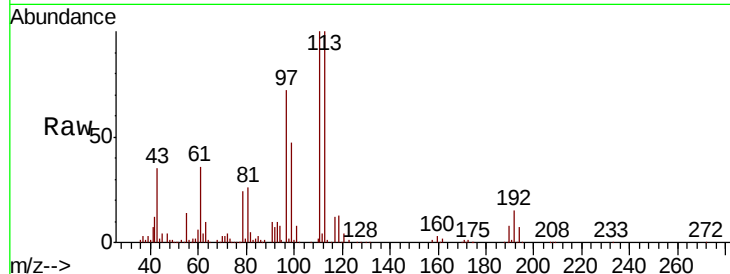




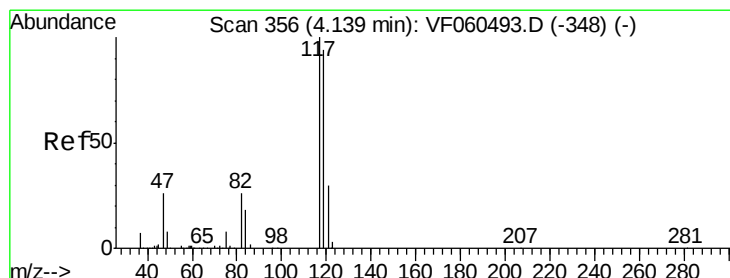
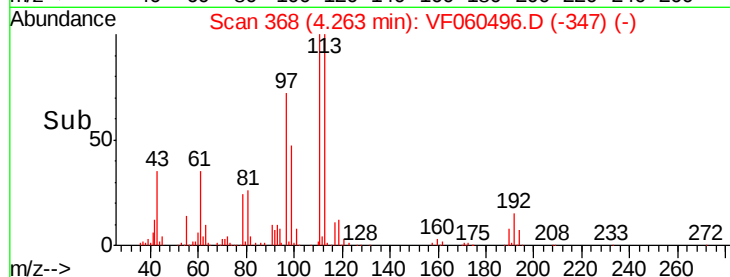
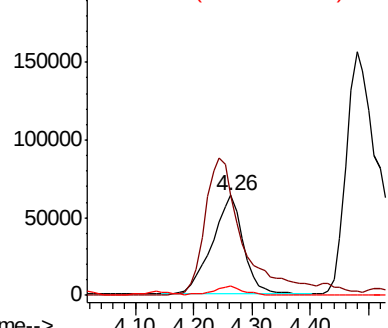
#37
 Ethyl Acetate
 Concen: 115.031 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 240502
 Ion Ratio Lower Upper
 43 100
 61 101.0 106.5 159.7#
 70 9.5 6.5 9.7

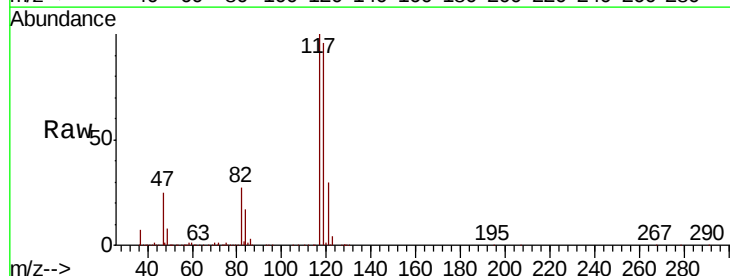


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0

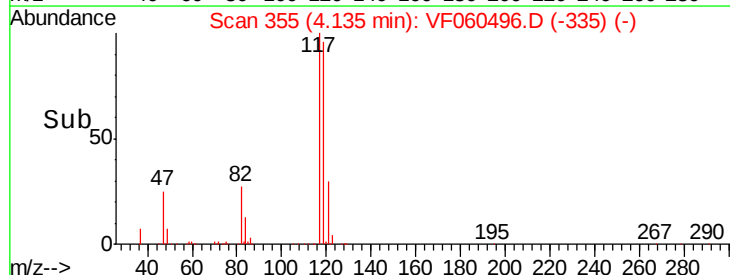
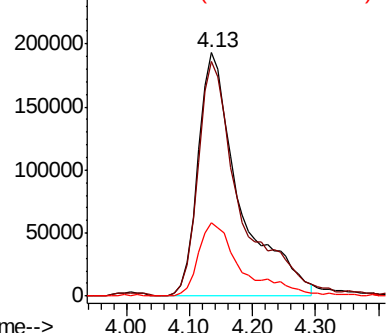


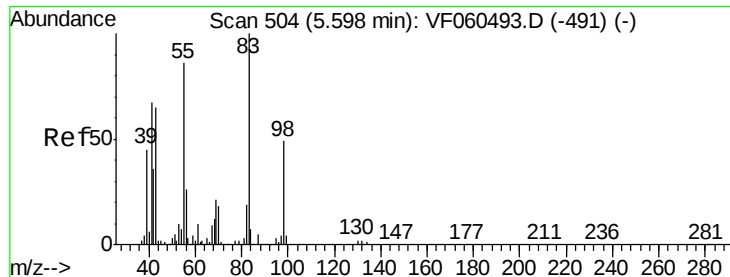
#38
 Carbon Tetrachloride
 Concen: 135.456 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion: 117 Resp: 875653
 Ion Ratio Lower Upper
 117 100
 119 96.4 75.0 112.4
 121 30.4 23.8 35.6



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

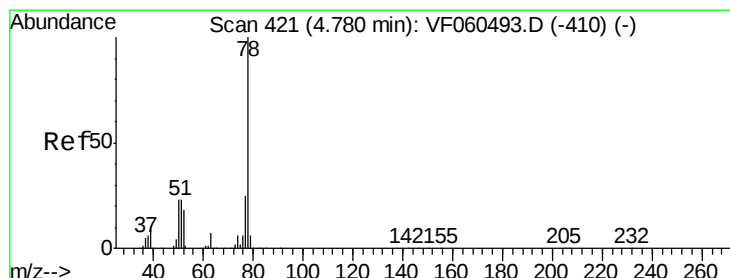
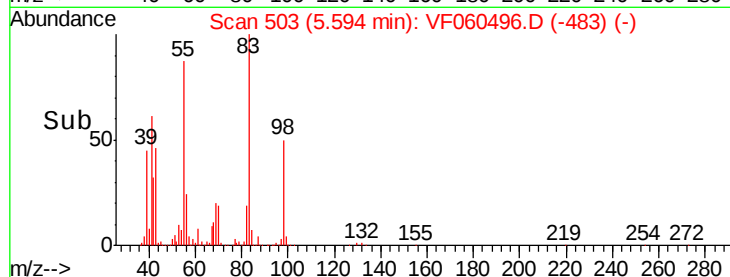
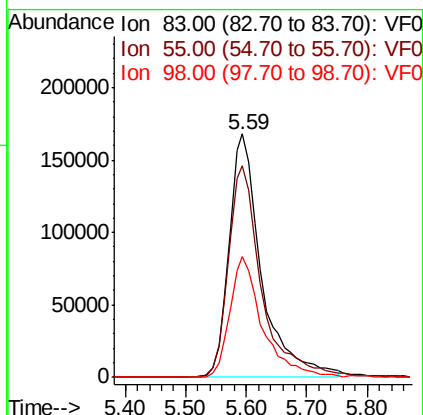
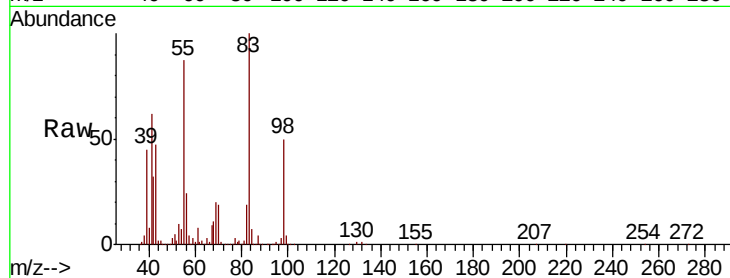




#39
Methylcyclohexane
Concen: 115.356 ug/l
RT: 5.59 min Scan# 503
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

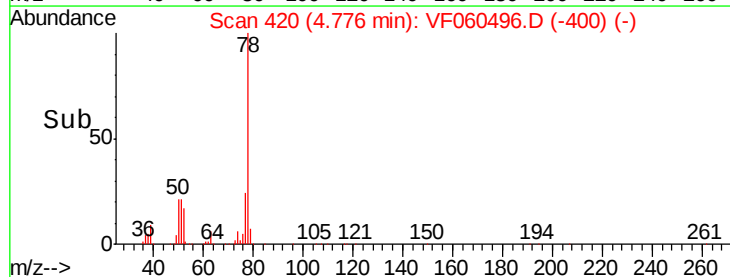
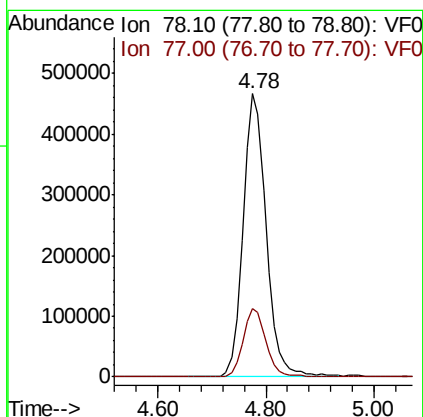
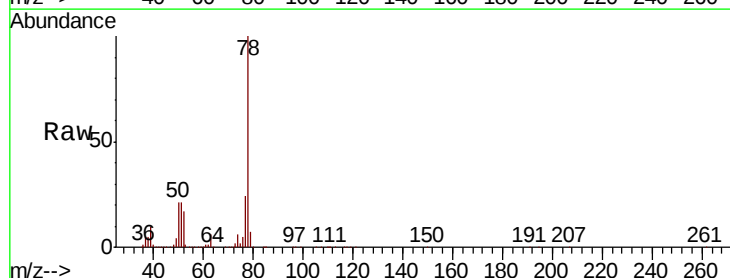
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

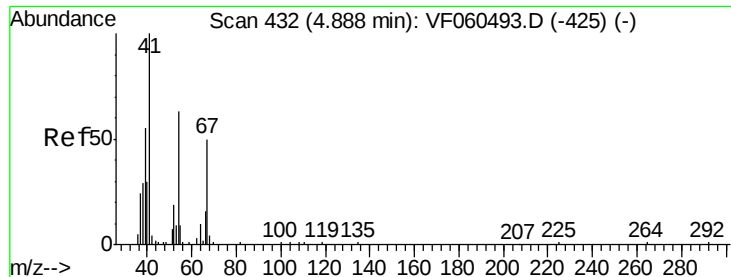
Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.9	69.2	103.8
98	49.7	39.6	59.4



#40
Benzene
Concen: 124.896 ug/l
RT: 4.78 min Scan# 420
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.8

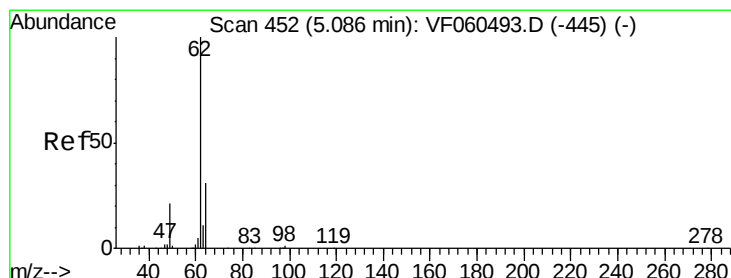
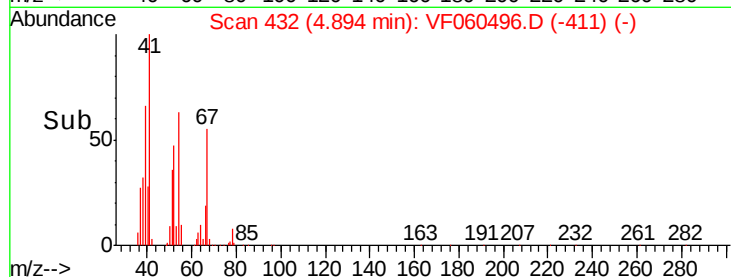
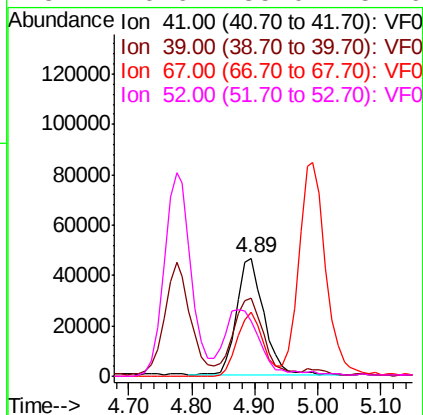
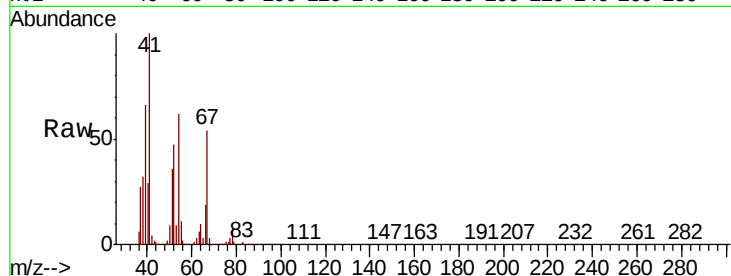




#41
Methacrylonitrile
Concen: 123.215 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

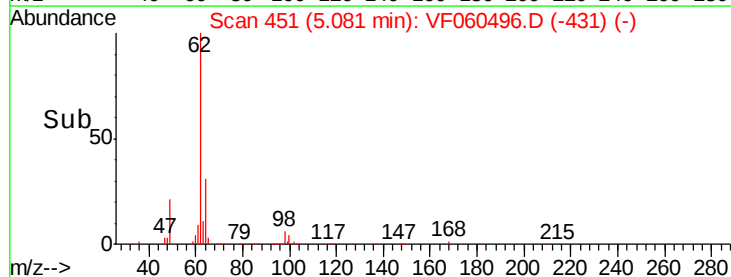
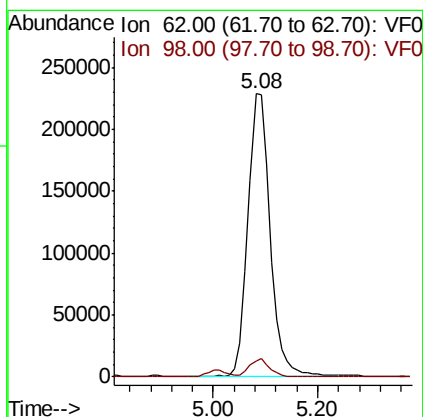
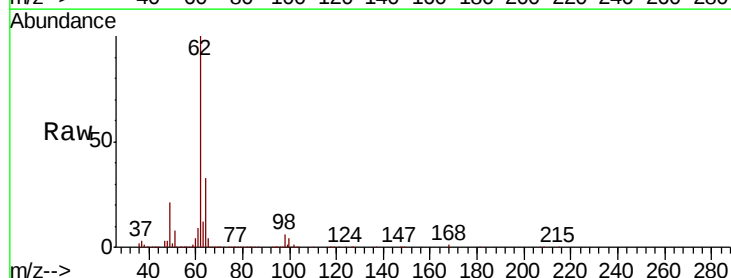
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

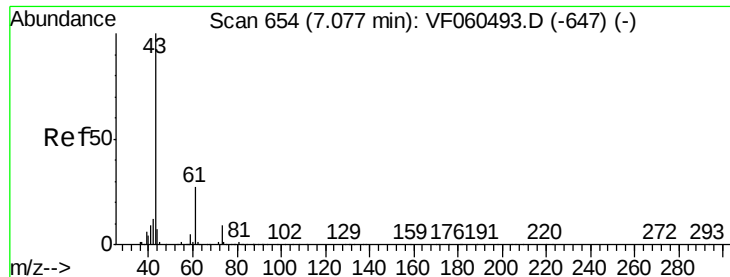
Tgt Ion:	41	Resp:	138194
Ion	Ratio	Lower	Upper
41	100		
39	66.3	53.1	79.7
67	53.9	39.4	59.0
52	46.6	35.0	52.6



#42
1,2-Dichloroethane
Concen: 126.607 ug/l
RT: 5.08 min Scan# 451
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion:	62	Resp:	659794
Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	12.8





#43

Isopropyl Acetate

Concen: 130.460 ug/l

RT: 7.08 min Scan# 654

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

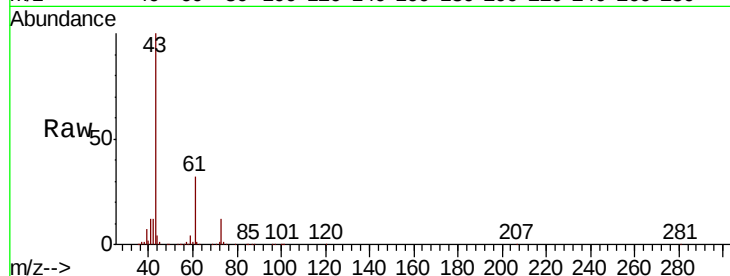
Tgt Ion: 43 Resp: 330974

Ion Ratio Lower Upper

43 100

61 32.4 21.6 32.4#

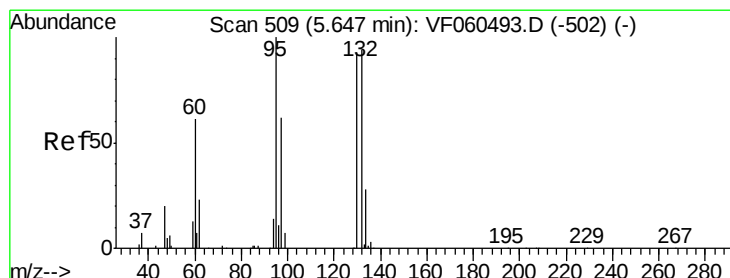
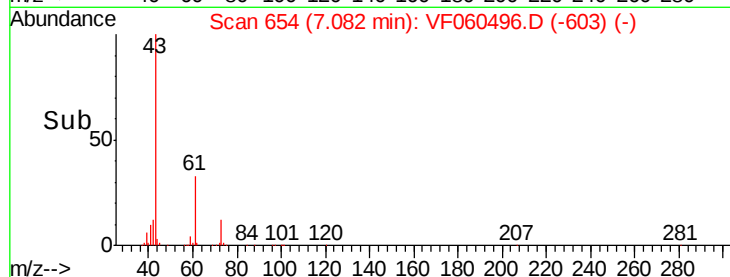
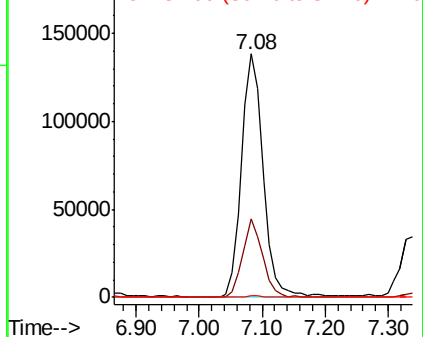
87 0.5 0.6 0.8#



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: 121.290 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060496.D

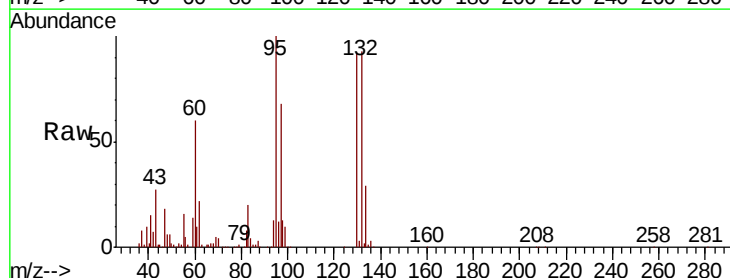
Acq: 9 Oct 2018 17:39

Tgt Ion:130 Resp: 429017

Ion Ratio Lower Upper

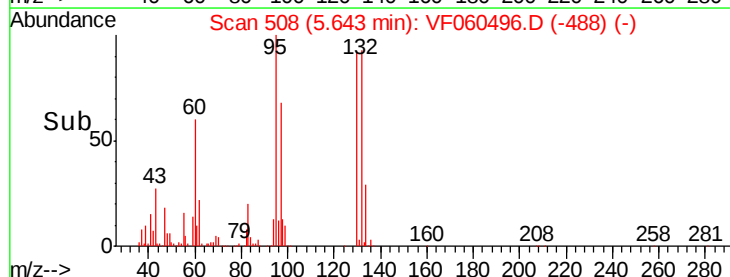
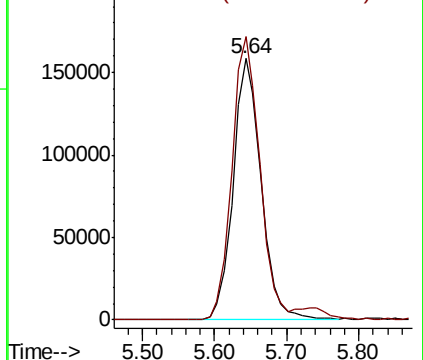
130 100

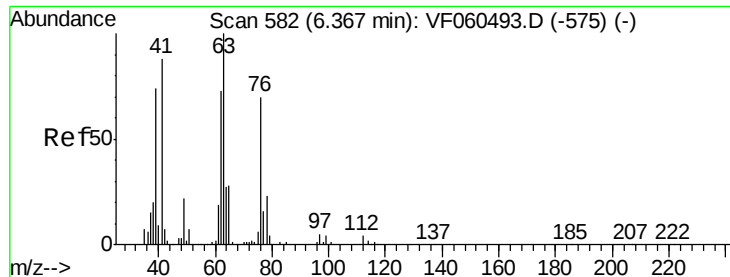
95 108.3 0.0 216.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 125.318 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

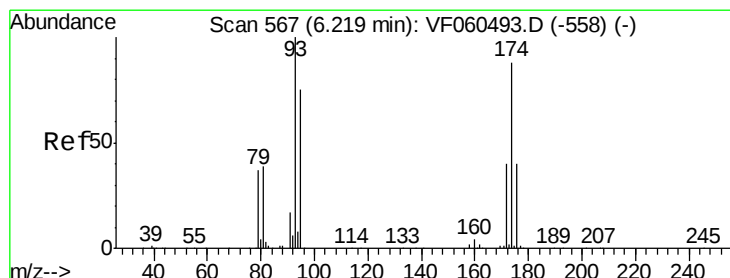
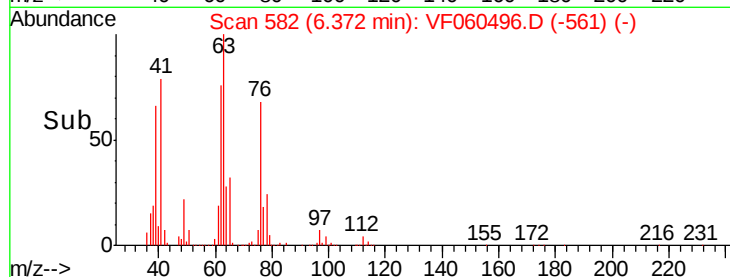
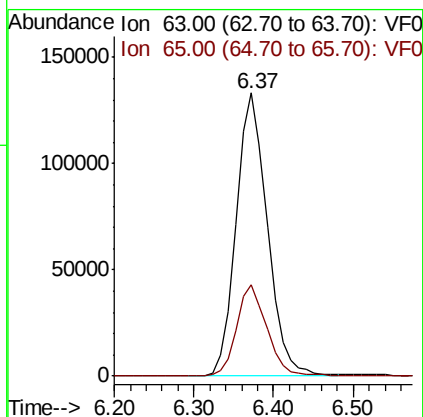
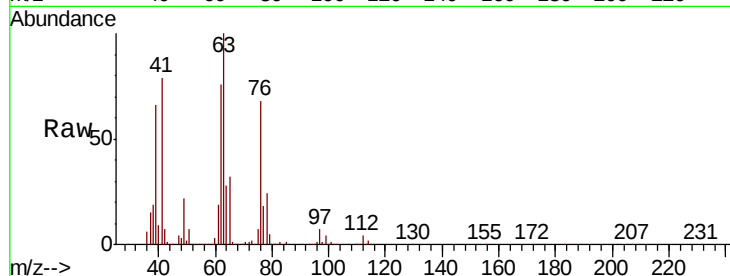
VSTDIC150

Tgt Ion: 63 Resp: 361962

Ion Ratio Lower Upper

63 100

65 32.3 22.2 33.2



#46

Dibromomethane

Concen: 123.441 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

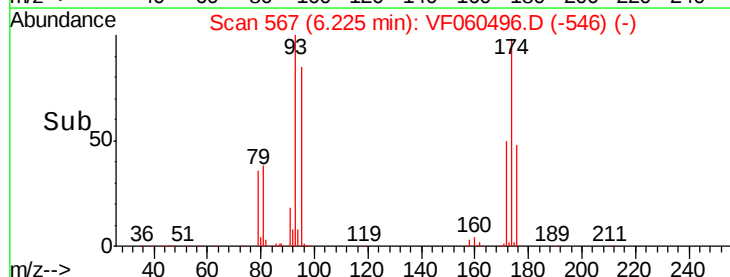
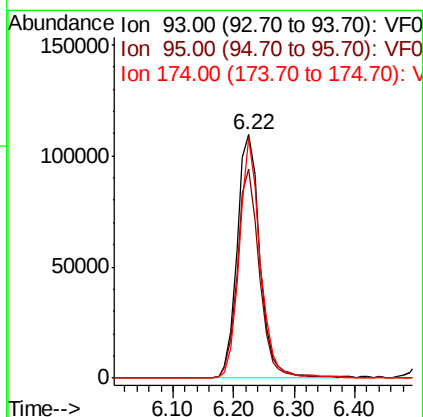
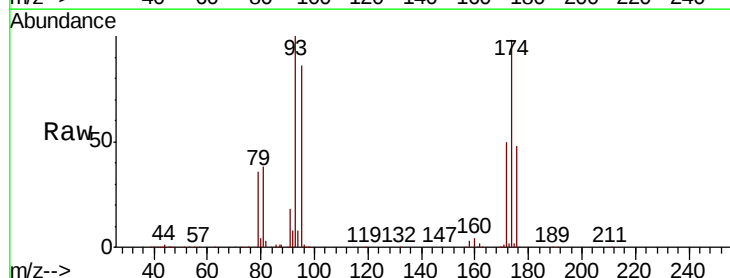
Tgt Ion: 93 Resp: 287235

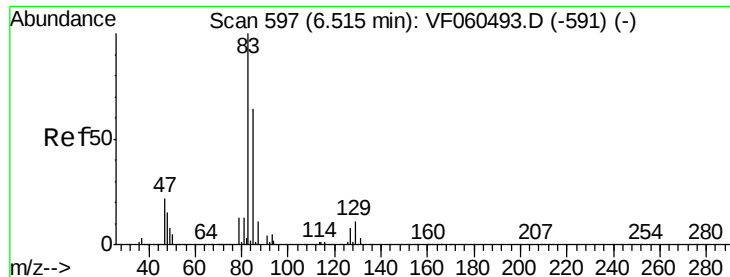
Ion Ratio Lower Upper

93 100

95 85.6 60.0 90.0

174 98.3 71.0 106.6





#47

Bromodichloromethane

Concen: 127.951 ug/l

RT: 6.52 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

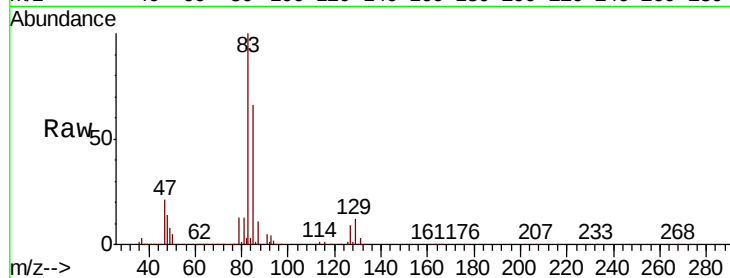
Tgt Ion: 83 Resp: 741774

Ion Ratio Lower Upper

83 100

85 65.6 51.2 76.8

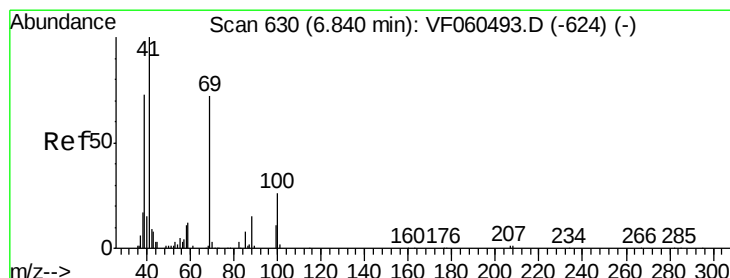
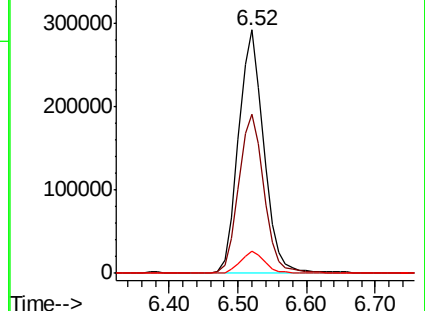
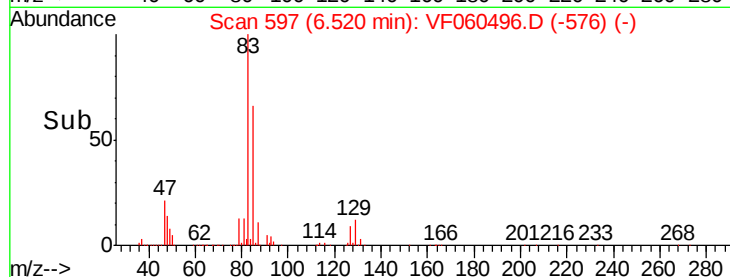
127 9.3 6.5 9.7



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: 127.178 ug/l

RT: 6.85 min Scan# 630

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

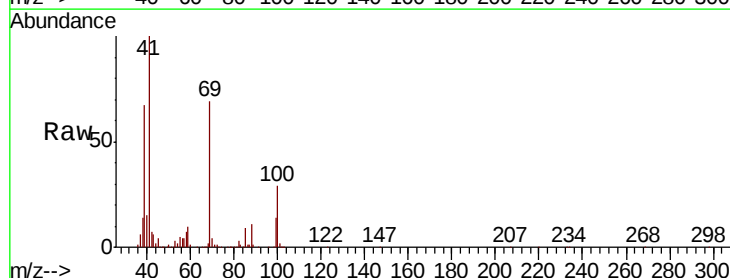
Tgt Ion: 41 Resp: 230653

Ion Ratio Lower Upper

41 100

69 68.6 57.8 86.8

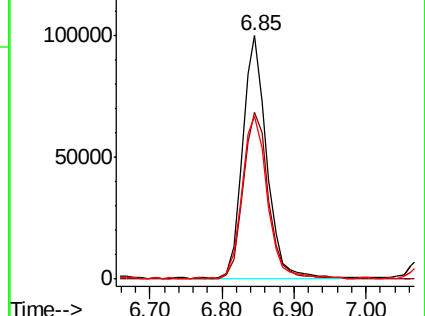
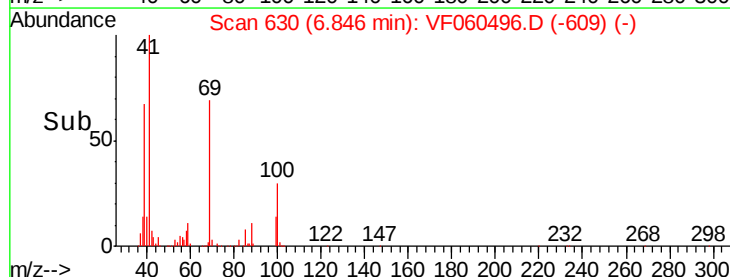
39 66.7 59.1 88.7

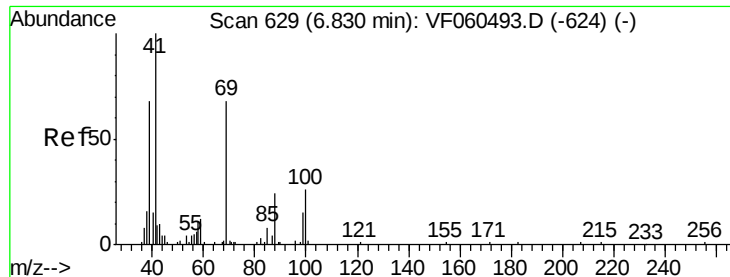


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2451.710 ug/l

RT: 6.84 min Scan# 629

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

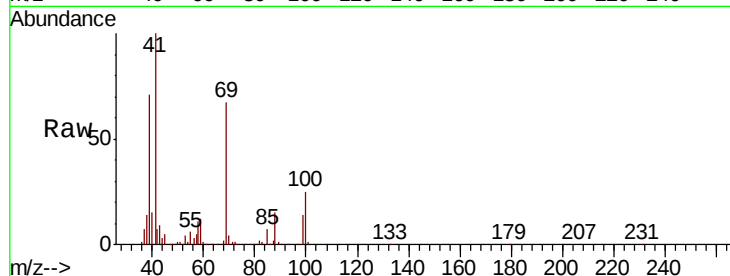
Tgt Ion: 88 Resp: 38439

Ion Ratio Lower Upper

88 100

43 60.7 40.2 60.2#

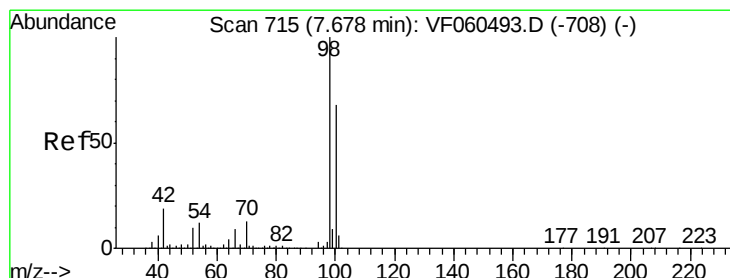
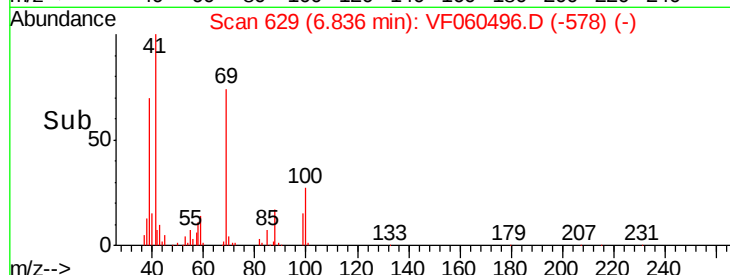
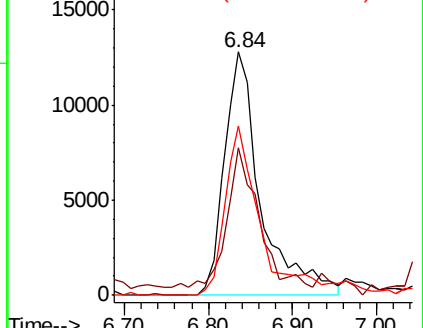
58 69.4 36.3 54.5#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 132.941 ug/l

RT: 7.68 min Scan# 715

Delta R.T. 0.01 min

Lab File: VF060496.D

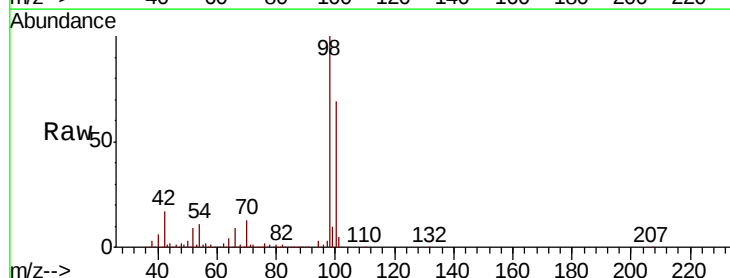
Acq: 9 Oct 2018 17:39

Tgt Ion: 98 Resp: 1357456

Ion Ratio Lower Upper

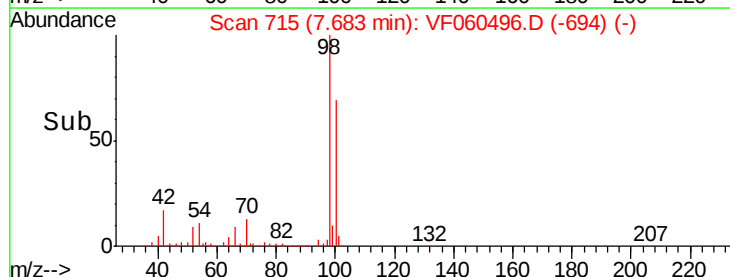
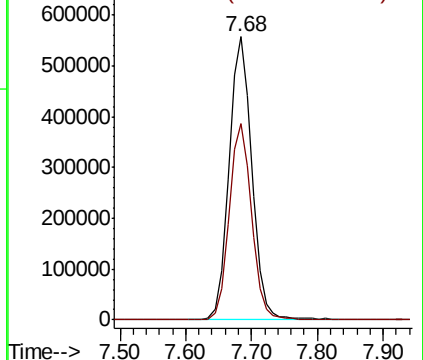
98 100

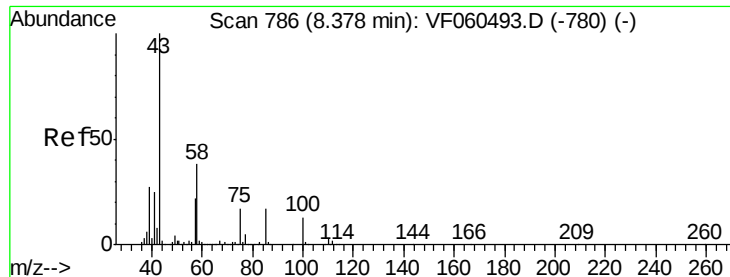
100 69.4 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 572.335 ug/l

RT: 8.37 min Scan# 785

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

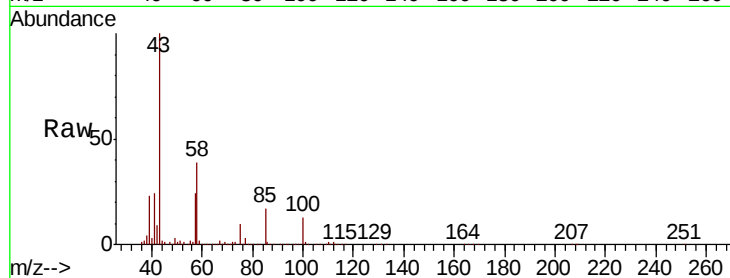
VSTDIC150

Tgt Ion: 43 Resp: 1030620

Ion Ratio Lower Upper

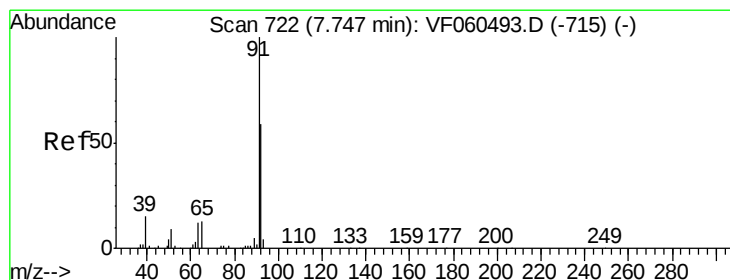
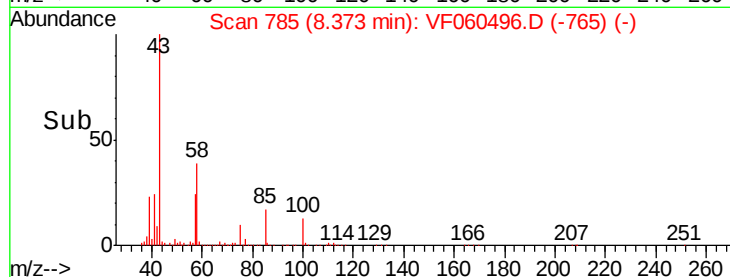
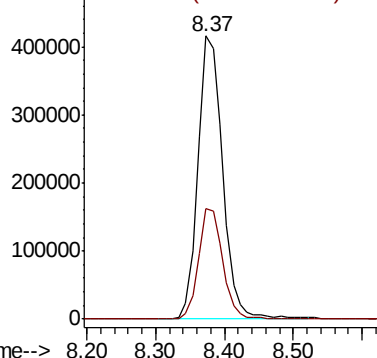
43 100

58 39.1 30.4 45.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 127.737 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.01 min

Lab File: VF060496.D

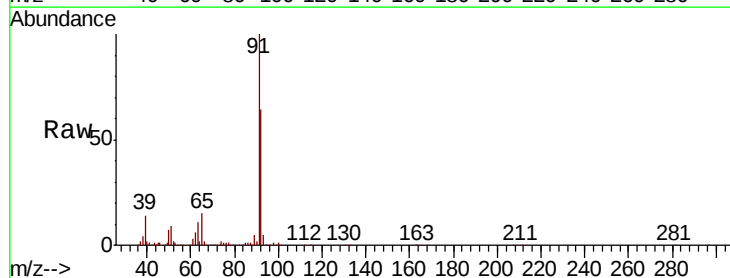
Acq: 9 Oct 2018 17:39

Tgt Ion: 92 Resp: 944445

Ion Ratio Lower Upper

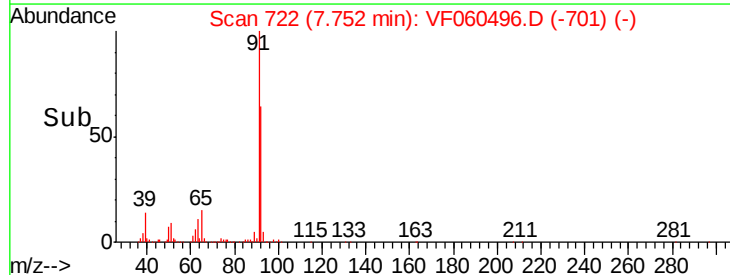
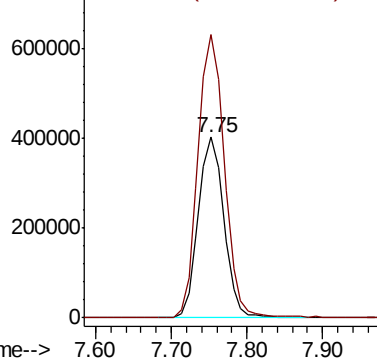
92 100

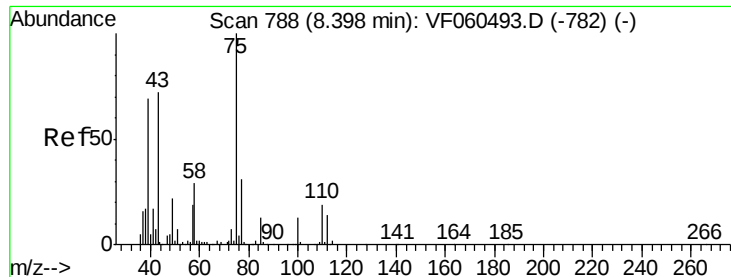
91 156.6 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 126.720 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

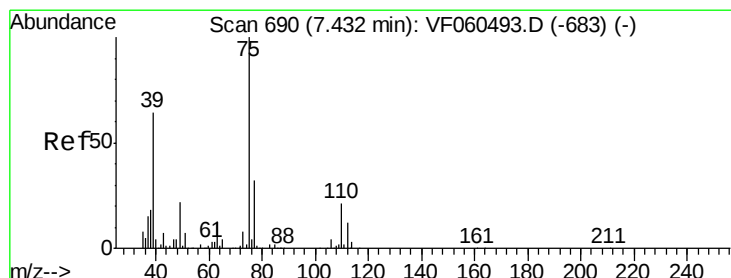
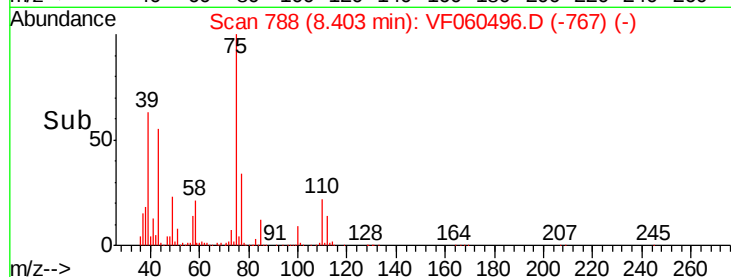
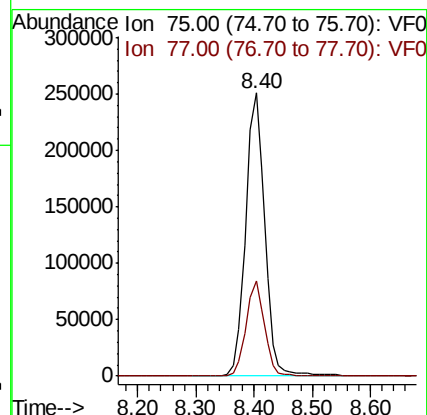
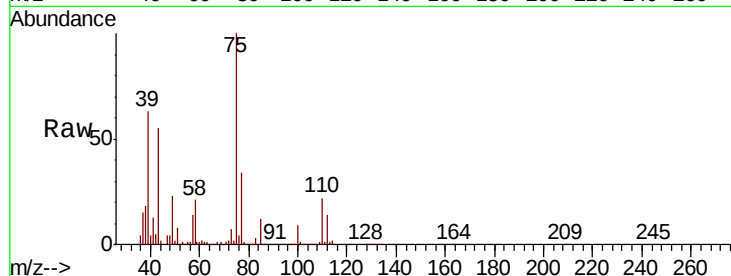
VSTDIC150

Tgt Ion: 75 Resp: 575187

Ion Ratio Lower Upper

75 100

77 33.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 130.071 ug/l

RT: 7.43 min Scan# 689

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

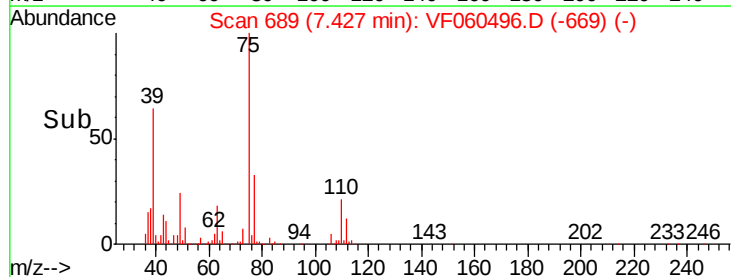
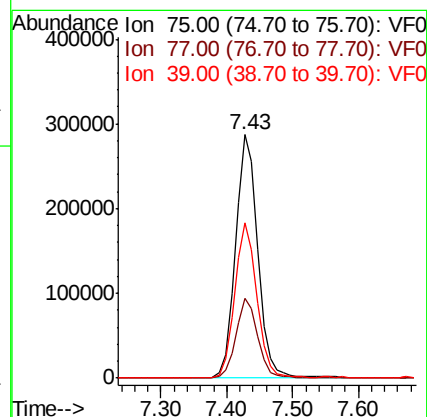
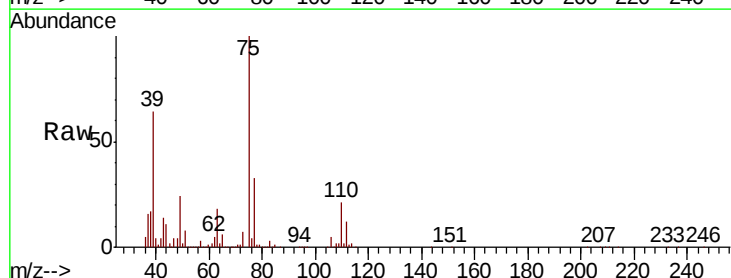
Tgt Ion: 75 Resp: 683422

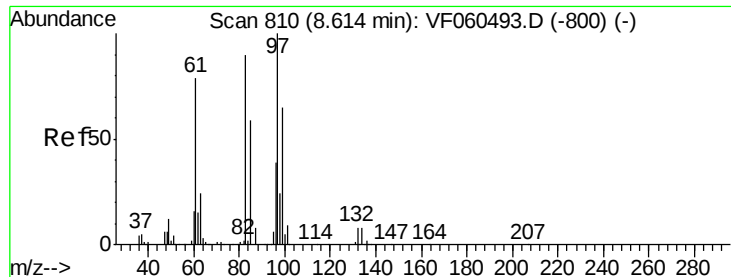
Ion Ratio Lower Upper

75 100

77 32.7 26.0 39.0

39 63.8 51.2 76.8





#55

1,1,2-Trichloroethane

Concen: 130.004 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 304483

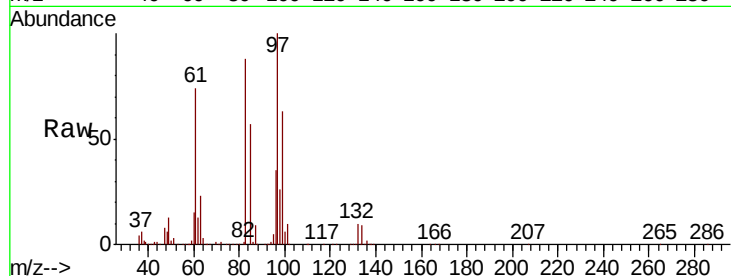
Ion Ratio Lower Upper

97 100

83 87.7 71.9 107.9

85 57.1 47.8 71.8

99 63.0 52.0 78.0

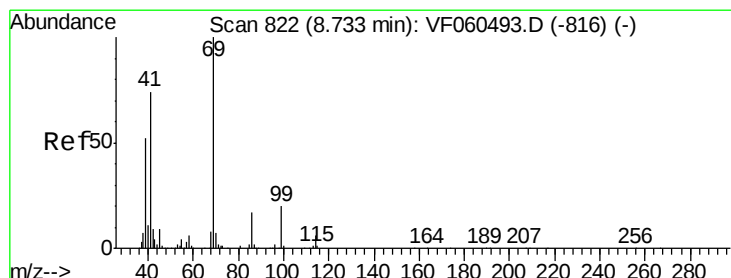
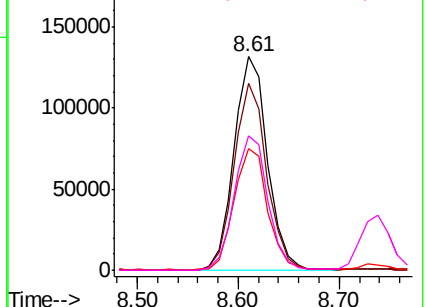
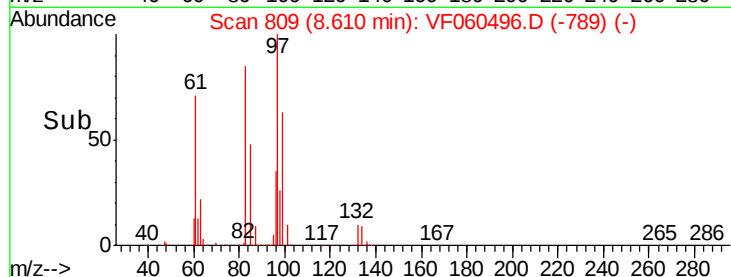


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 133.657 ug/l

RT: 8.74 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

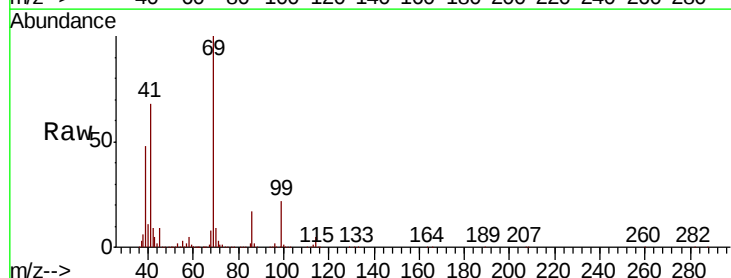
Tgt Ion: 69 Resp: 354390

Ion Ratio Lower Upper

69 100

41 68.4 59.3 88.9

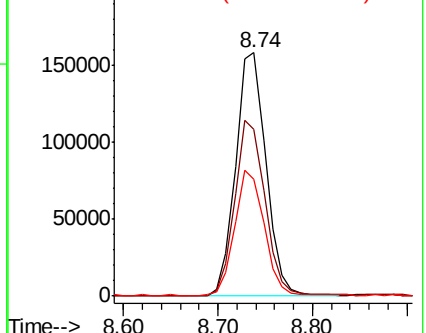
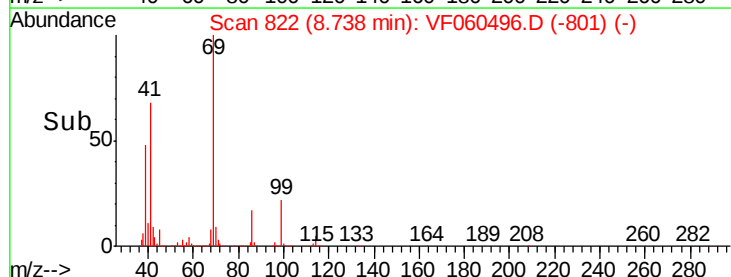
39 48.2 41.8 62.6

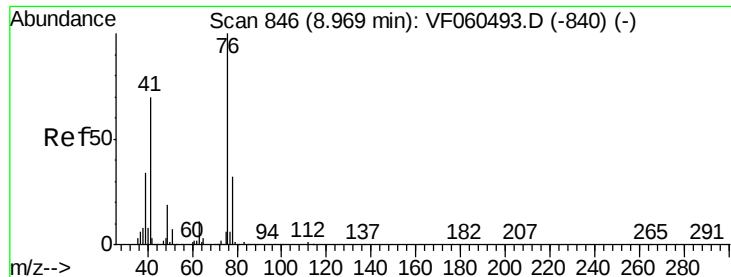


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 127.453 ug/l

RT: 8.97 min Scan# 846

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

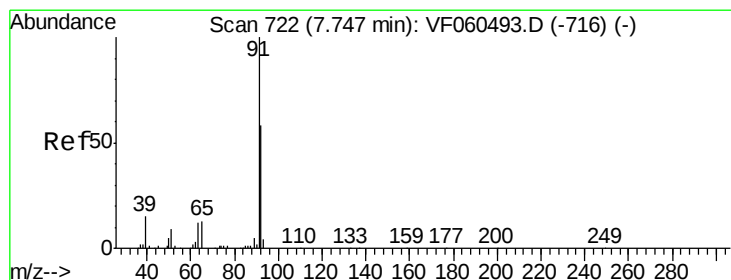
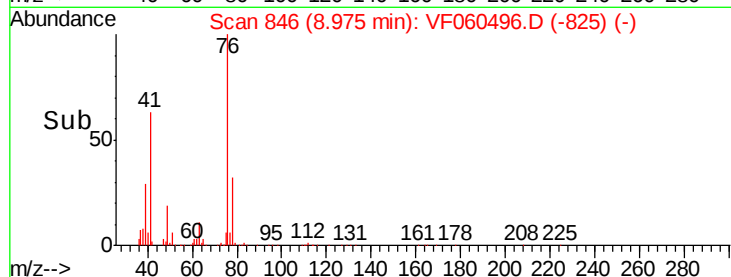
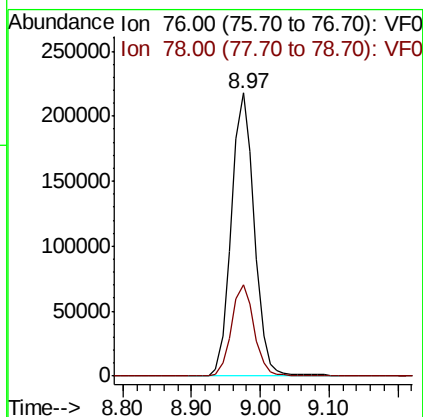
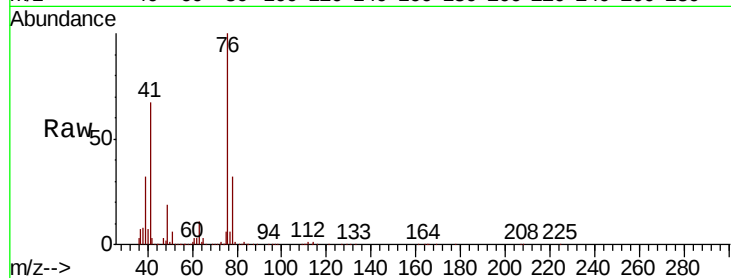
VSTDIC150

Tgt Ion: 76 Resp: 503585

Ion Ratio Lower Upper

76 100

78 32.4 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 601.911 ug/l

RT: 7.75 min Scan# 722

Delta R.T. 0.01 min

Lab File: VF060496.D

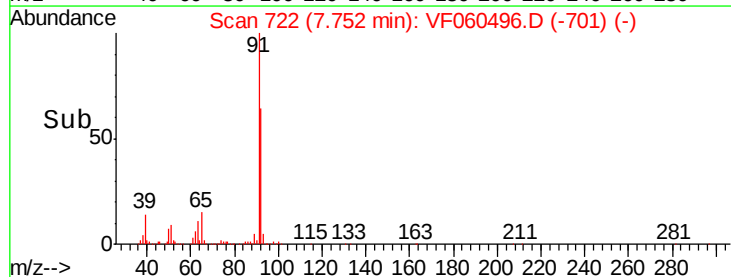
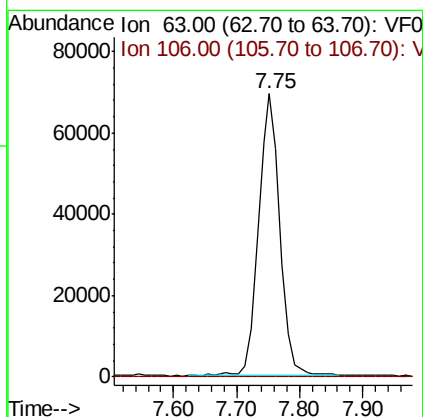
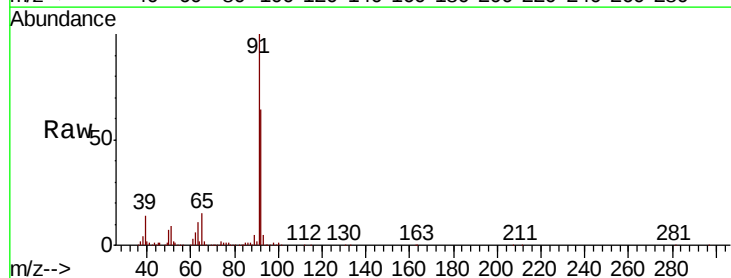
Acq: 9 Oct 2018 17:39

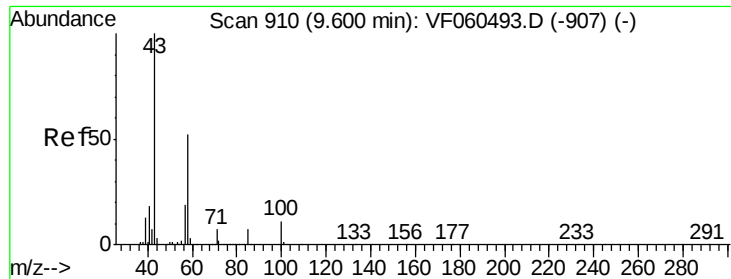
Tgt Ion: 63 Resp: 164123

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

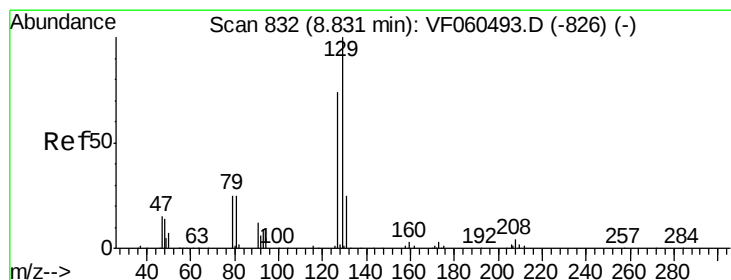
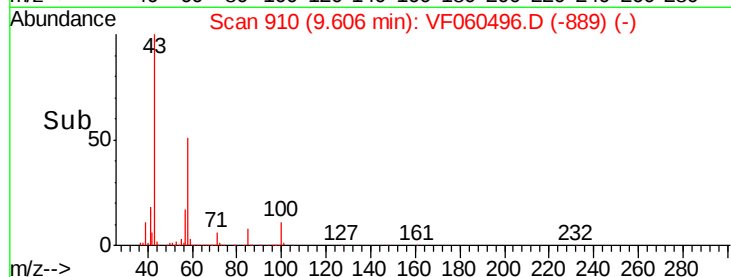
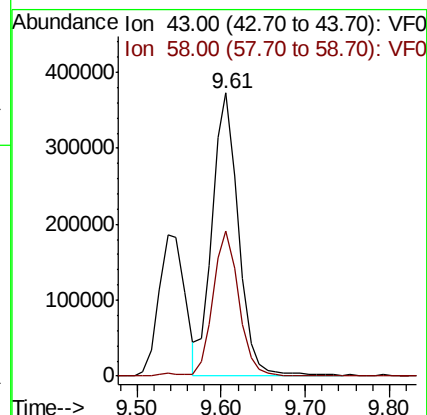
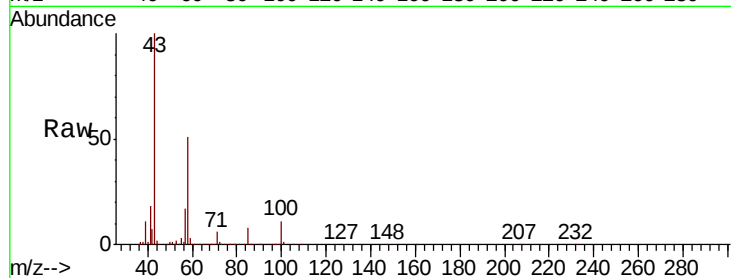




#59
2-Hexanone
Concen: 605.908 ug/l
RT: 9.61 min Scan# 910
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

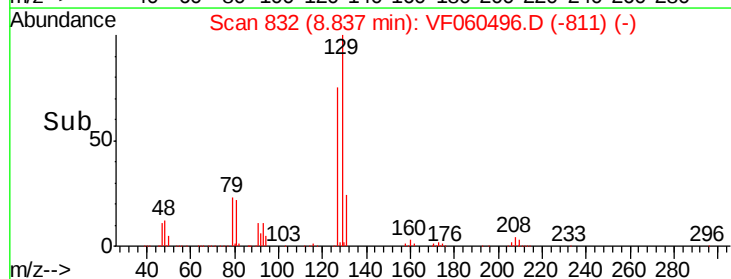
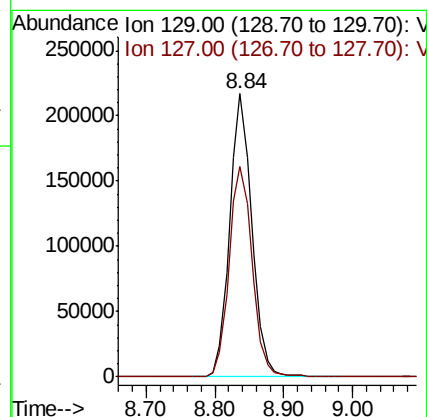
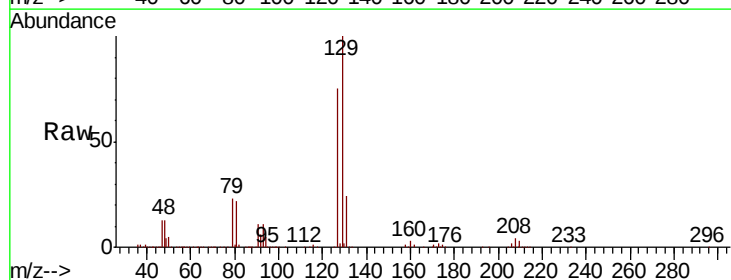
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

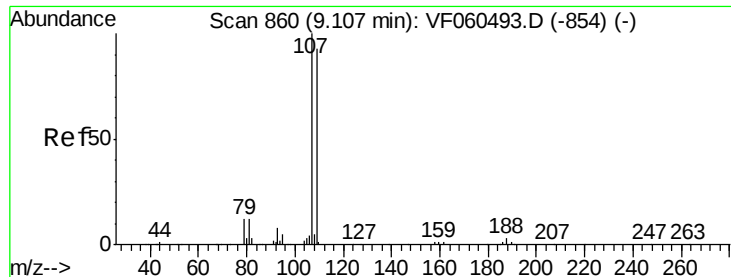
Tgt Ion: 43 Resp: 798514
Ion Ratio Lower Upper
43 100
58 51.2 24.2 72.6



#60
Dibromochloromethane
Concen: 138.092 ug/l
RT: 8.84 min Scan# 832
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 129 Resp: 485424
Ion Ratio Lower Upper
129 100
127 74.5 37.0 110.9





#61

1,2-Dibromoethane

Concen: 136.670 ug/l

RT: 9.11 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

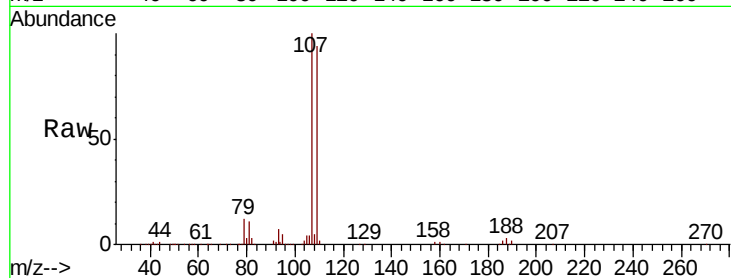
VSTDIC150

Tgt Ion: 107 Resp: 350196

Ion Ratio Lower Upper

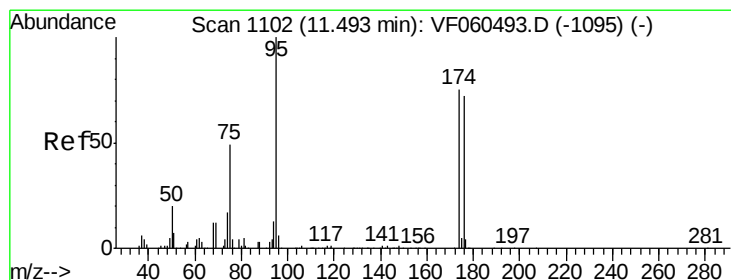
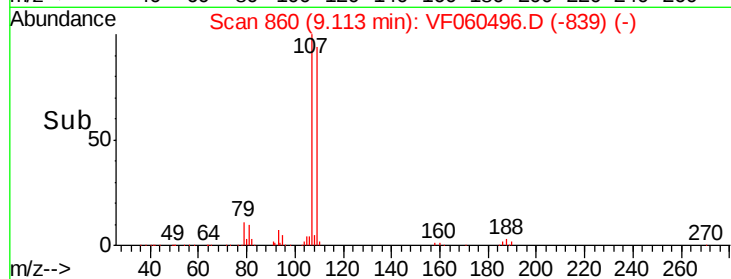
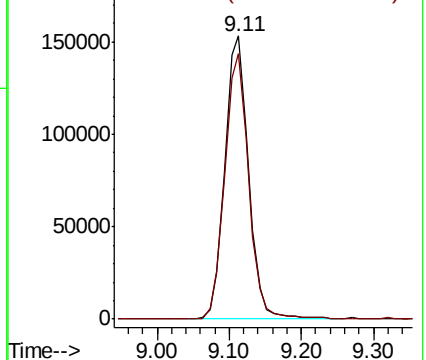
107 100

109 93.6 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 127.218 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

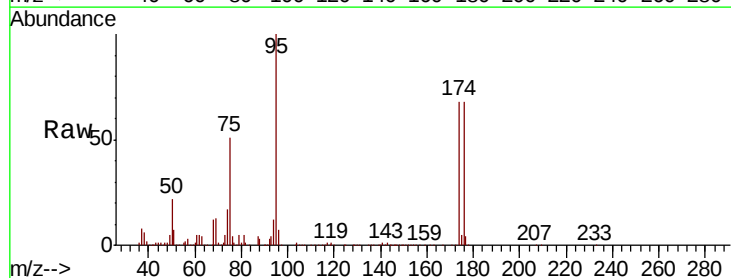
Tgt Ion: 95 Resp: 594688

Ion Ratio Lower Upper

95 100

174 68.4 0.0 150.4

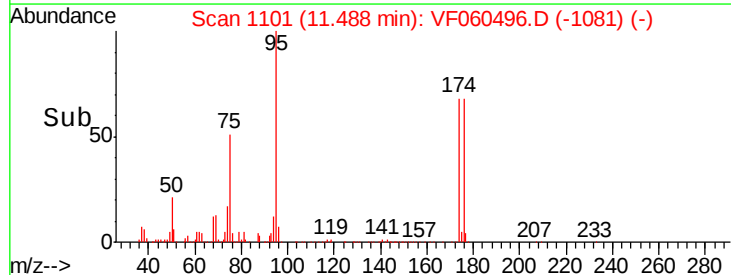
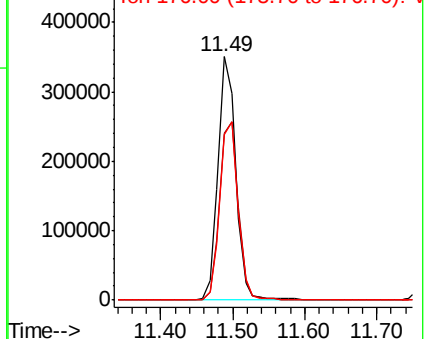
176 68.0 0.0 144.6

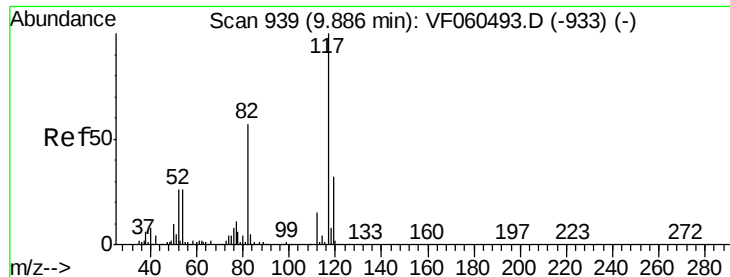


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

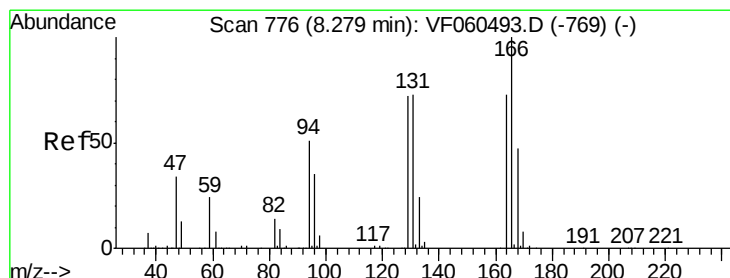
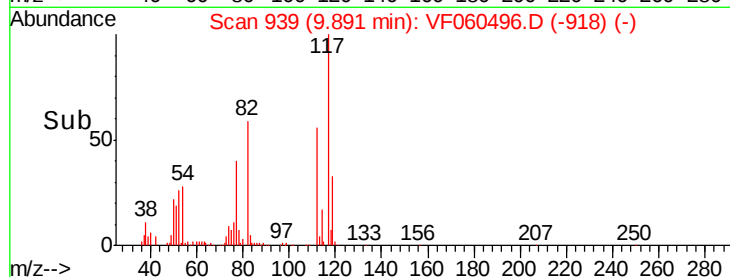
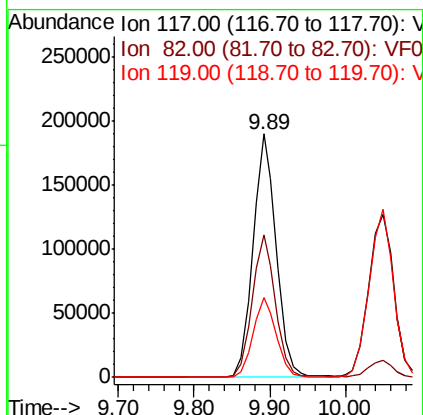
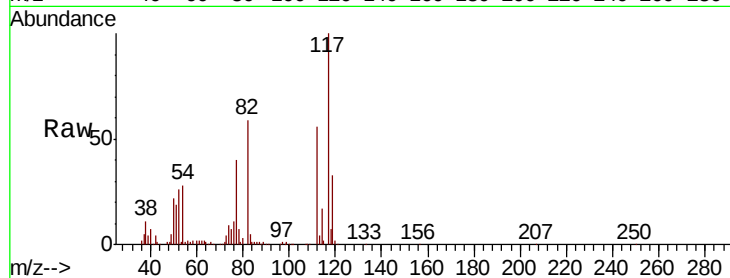




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 939
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

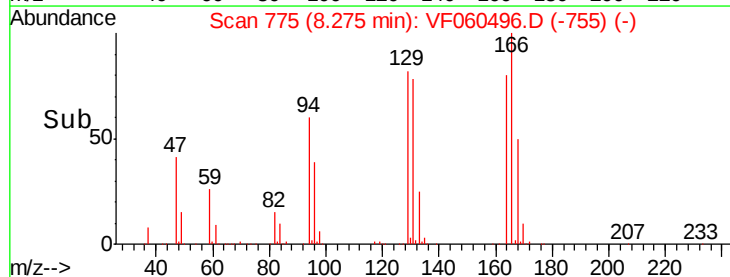
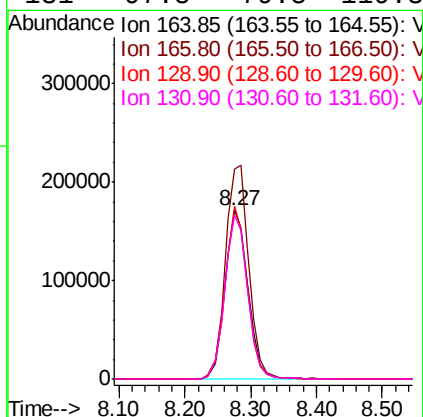
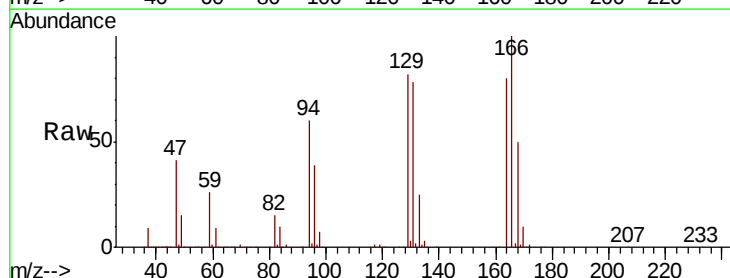
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

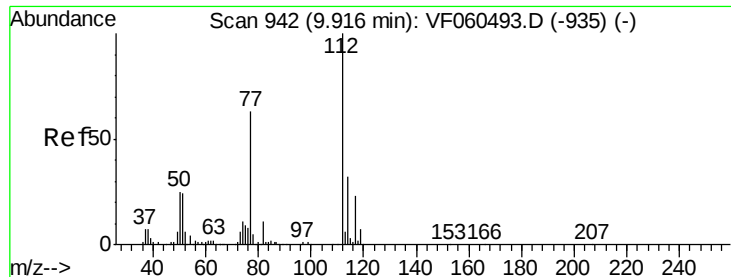
Tgt Ion:117 Resp: 407089
Ion Ratio Lower Upper
117 100
82 58.6 45.6 68.4
119 33.0 25.3 37.9



#64
Tetrachloroethene
Concen: 127.746 ug/l
RT: 8.27 min Scan# 775
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion:164 Resp: 417542
Ion Ratio Lower Upper
164 100
166 124.9 109.4 164.0
129 102.2 78.9 118.3
131 97.5 79.5 119.3

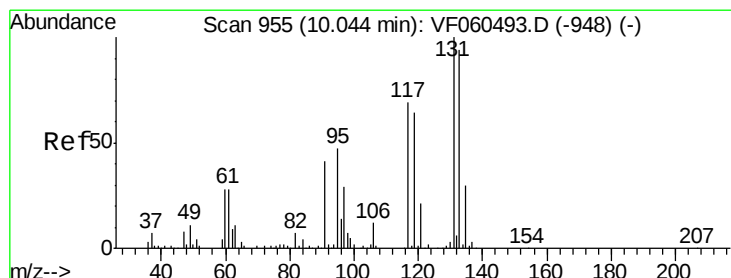
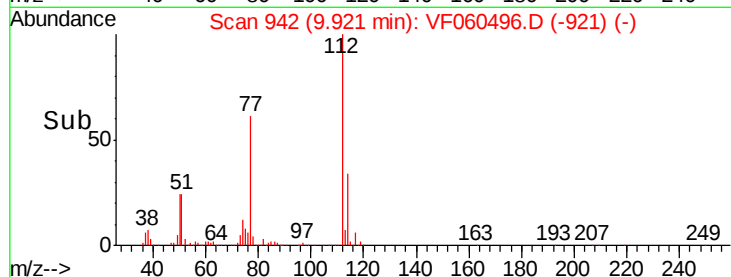
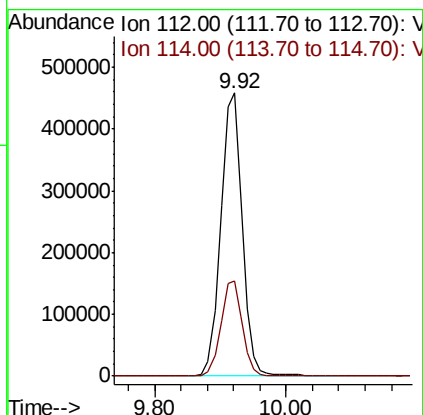
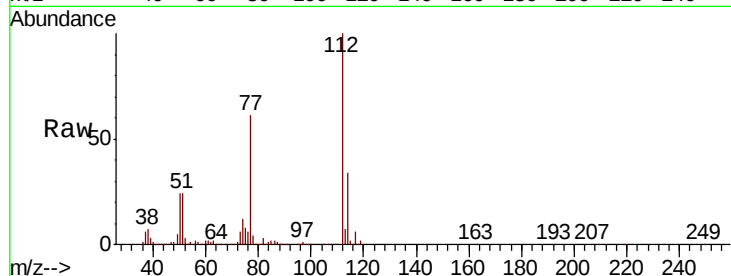




#65
Chlorobenzene
Concen: 125.255 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

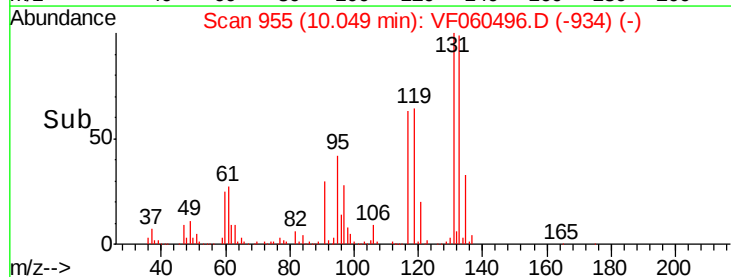
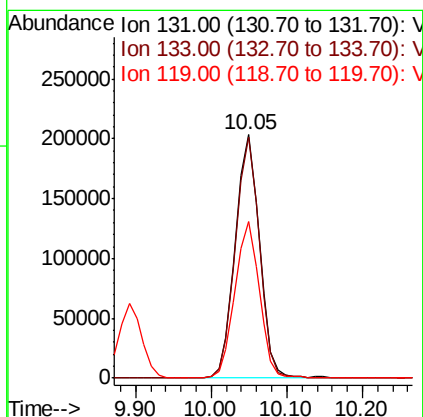
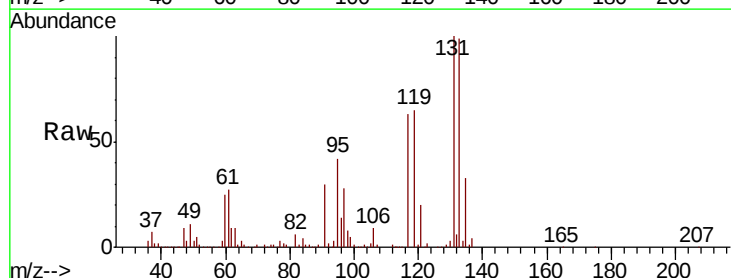
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

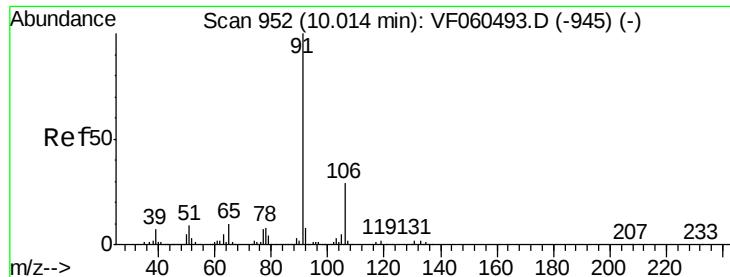
Tgt Ion:112 Resp: 1044823
Ion Ratio Lower Upper
112 100
114 33.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 123.844 ug/l
RT: 10.05 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion:131 Resp: 452202
Ion Ratio Lower Upper
131 100
133 99.0 47.1 141.4
119 64.5 32.0 96.2

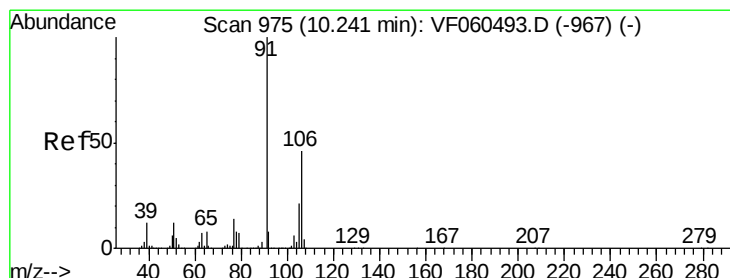
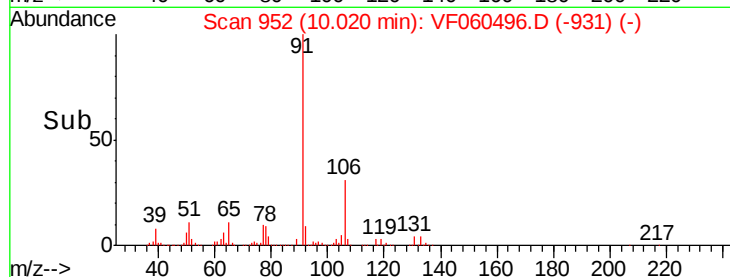
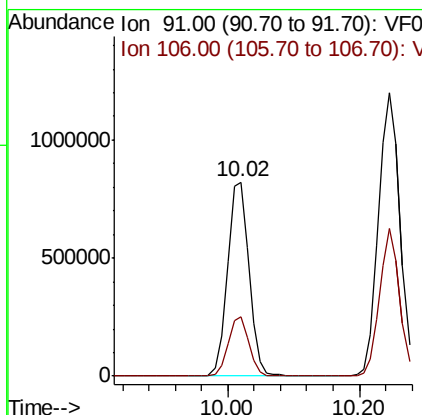
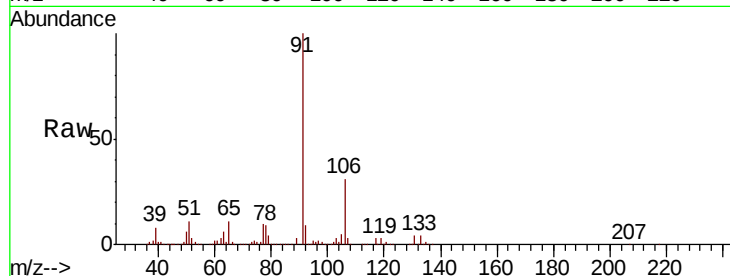




#67
Ethyl Benzene
Concen: 119.289 ug/l
RT: 10.02 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

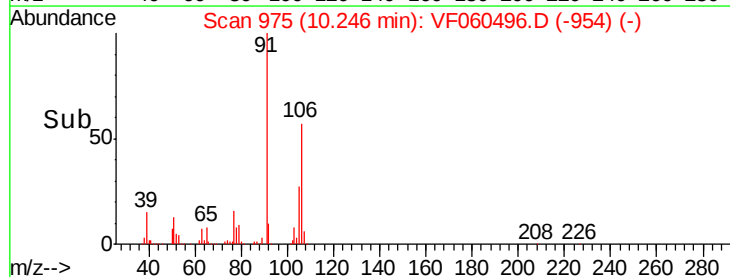
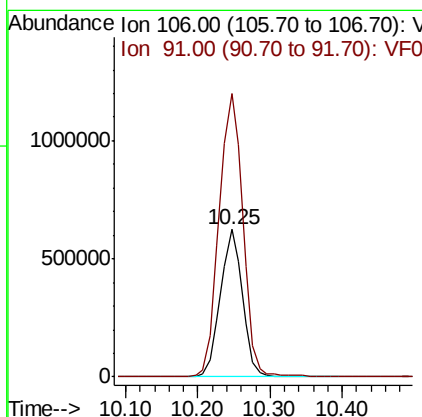
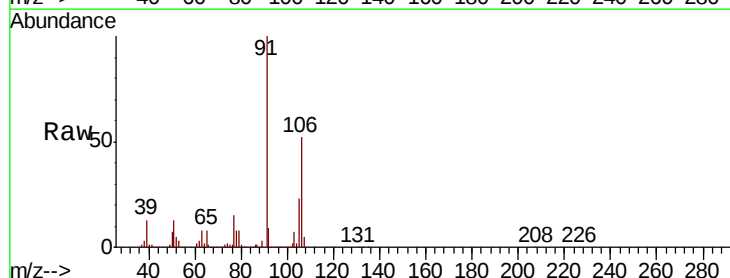
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

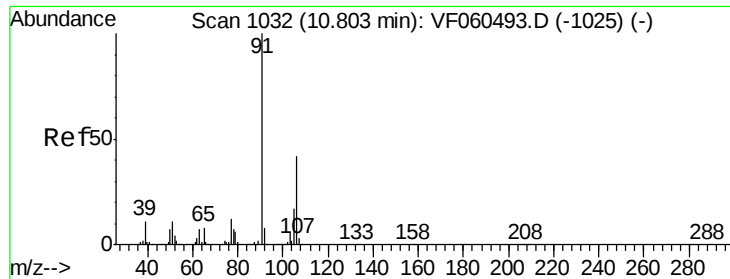
Tgt Ion: 91 Resp: 1896368
Ion Ratio Lower Upper
91 100
106 30.9 23.3 34.9



#68
m/p-Xylenes
Concen: 242.701 ug/l
RT: 10.25 min Scan# 975
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 106 Resp: 1319851
Ion Ratio Lower Upper
106 100
91 192.3 174.6 262.0

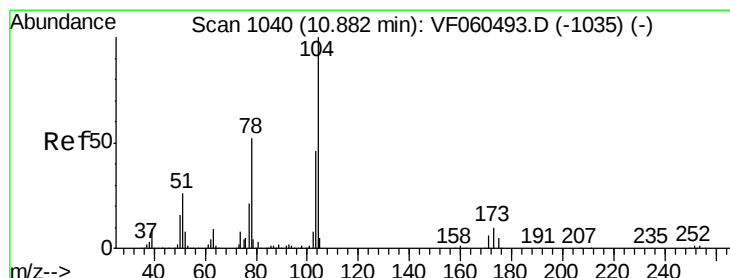
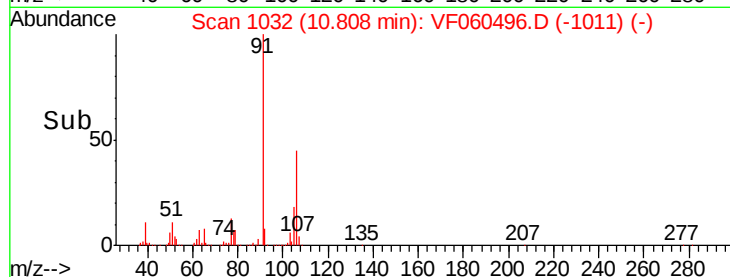
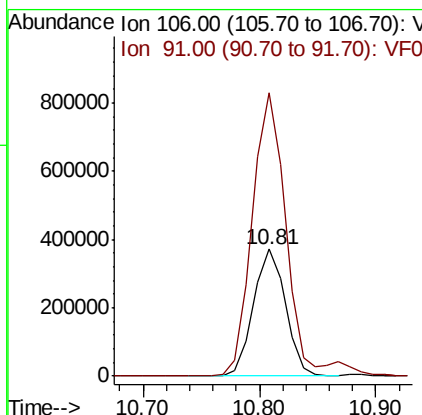
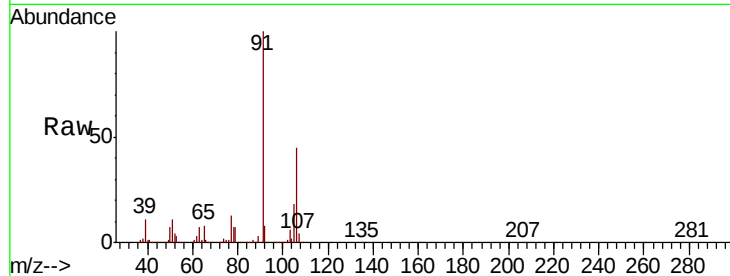




#69
o-Xylene
Concen: 119.501 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

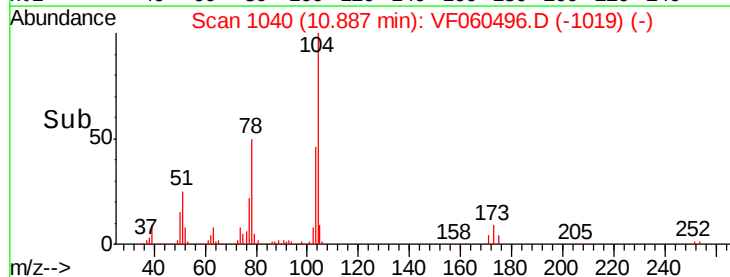
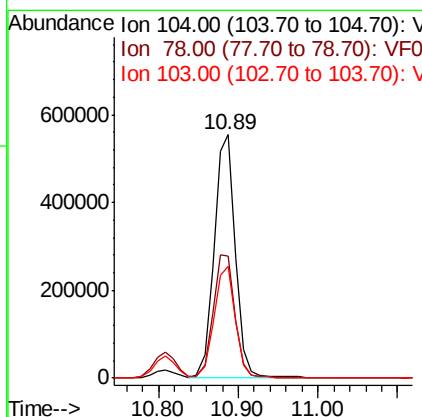
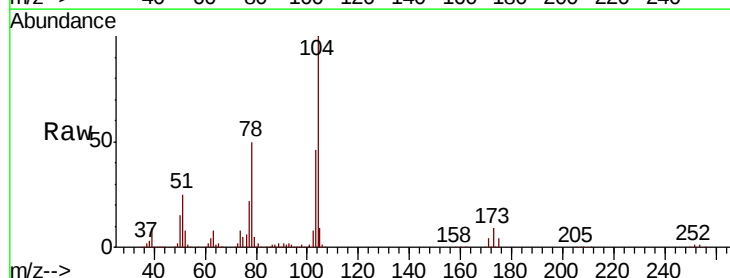
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

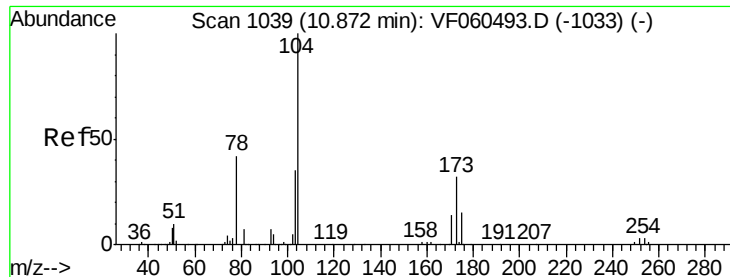
Tgt Ion:106 Resp: 709002
Ion Ratio Lower Upper
106 100
91 222.9 118.8 356.3



#70
Styrene
Concen: 122.716 ug/l
RT: 10.89 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion:104 Resp: 1033582
Ion Ratio Lower Upper
104 100
78 50.3 42.7 64.1
103 46.2 37.6 56.4





#71

Bromoform

Concen: 135.042 ug/l

RT: 10.87 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

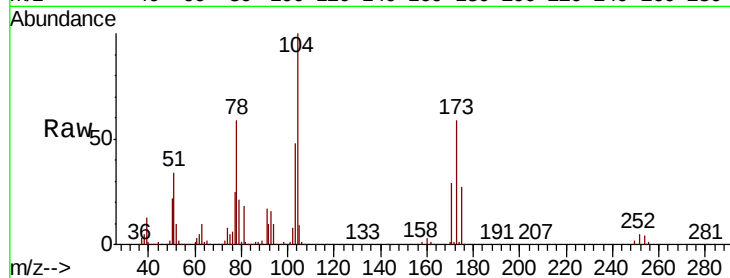
Tgt Ion:173 Resp: 261692

Ion Ratio Lower Upper

173 100

175 44.8 23.2 69.6

254 0.1 0.2 0.2#



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

10.87

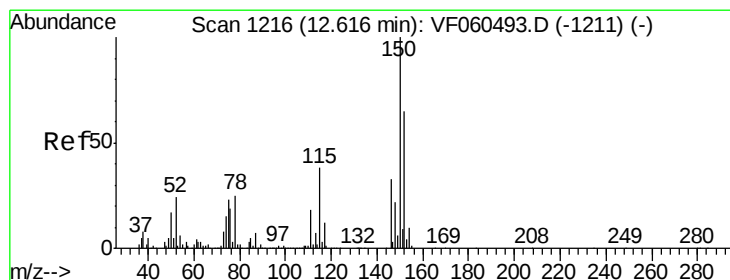
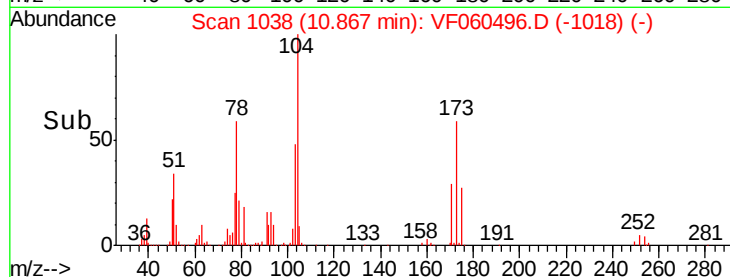
150000

100000

50000

0

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

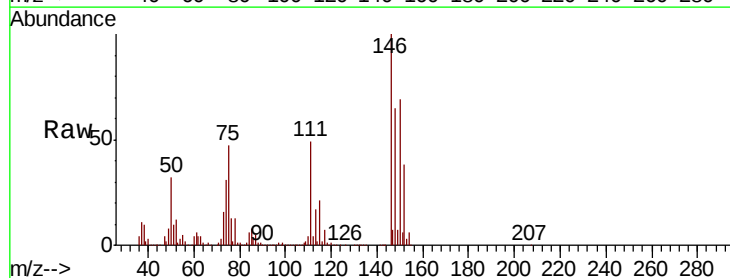
Tgt Ion:152 Resp: 219417

Ion Ratio Lower Upper

152 100

115 56.1 29.5 88.5

150 181.7 0.0 310.0



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

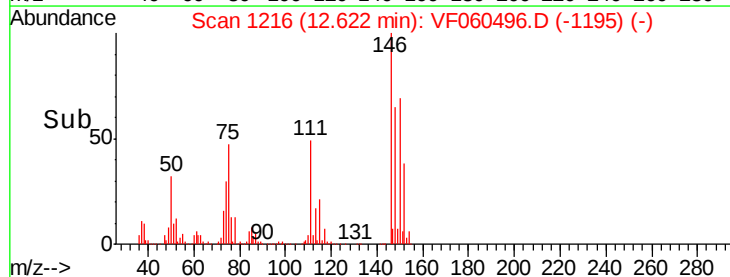
300000

200000

100000

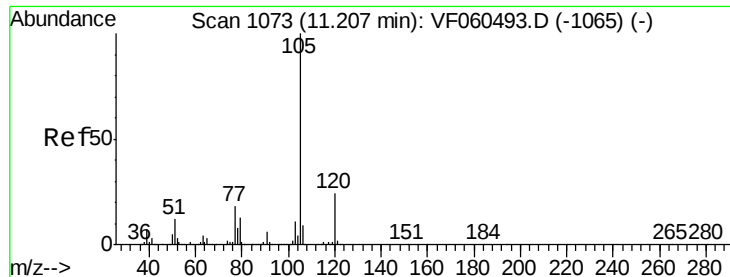
0

Time-->



12.62

12.70



#73

Isopropylbenzene

Concen: 117.420 ug/l

RT: 11.21 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

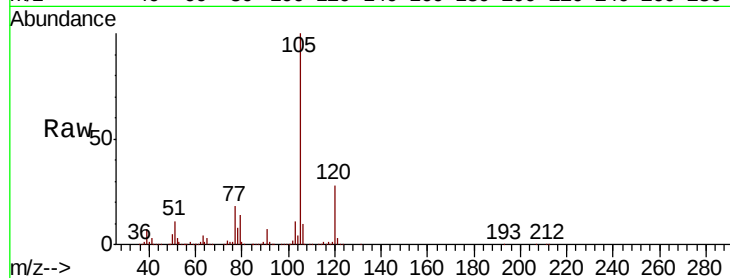
VSTDIC150

Tgt Ion:105 Resp: 2044188

Ion Ratio Lower Upper

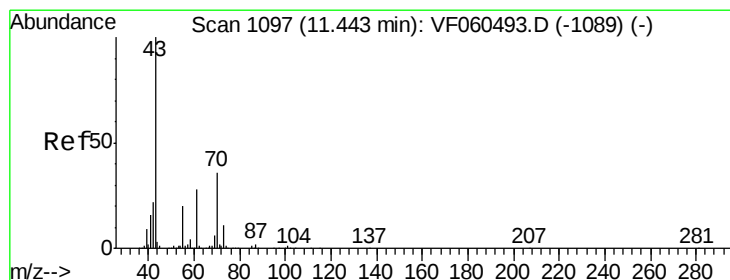
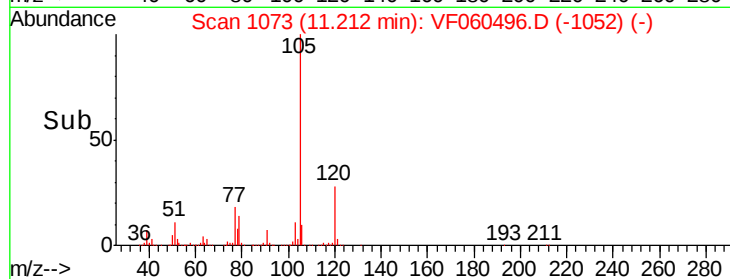
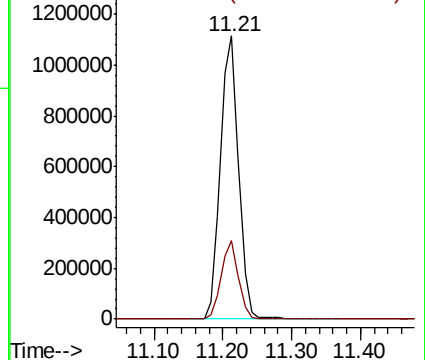
105 100

120 27.9 11.9 35.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 128.093 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Tgt Ion: 43 Resp: 506144

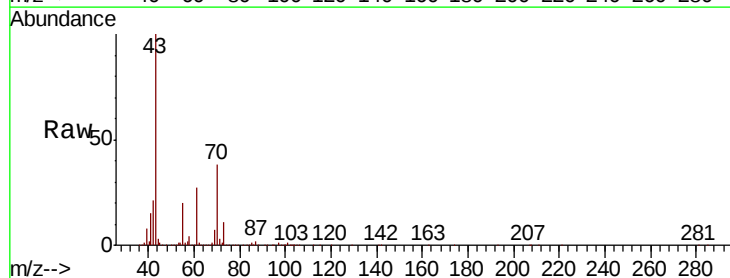
Ion Ratio Lower Upper

43 100

70 38.2 28.7 43.1

55 20.3 16.1 24.1

61 27.4 22.7 34.1

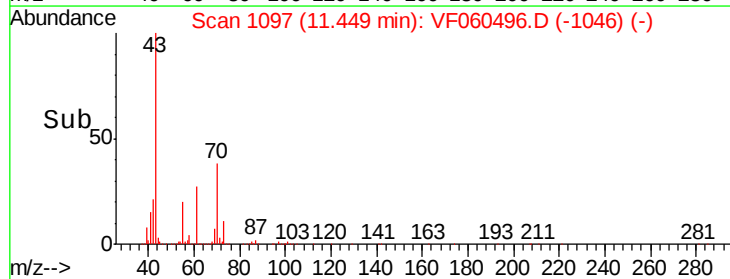
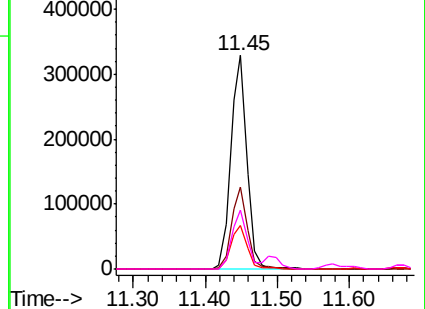


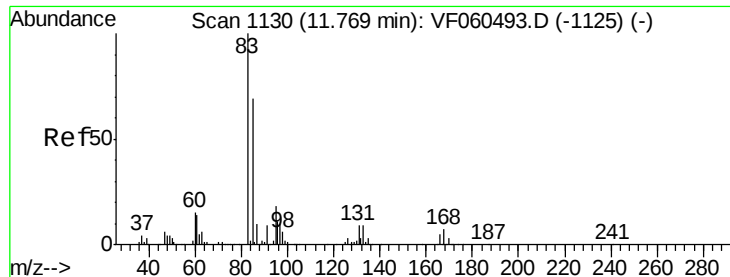
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 120.412 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

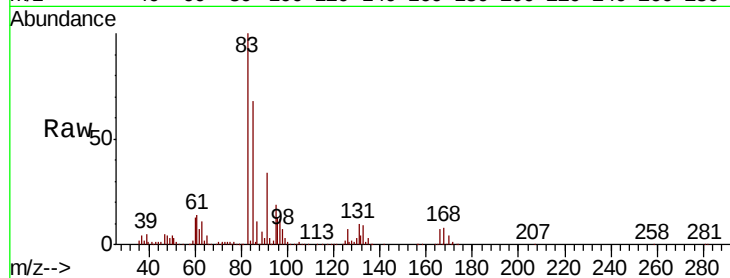
Tgt Ion: 83 Resp: 375628

Ion Ratio Lower Upper

83 100

131 9.9 4.5 13.4

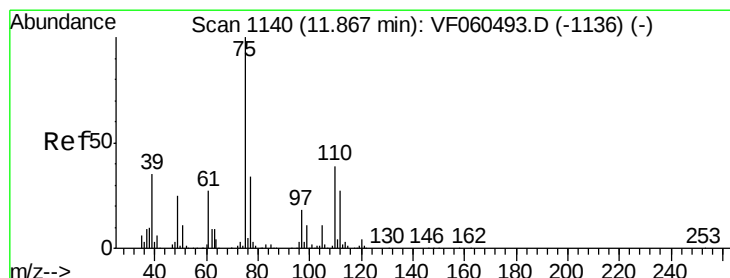
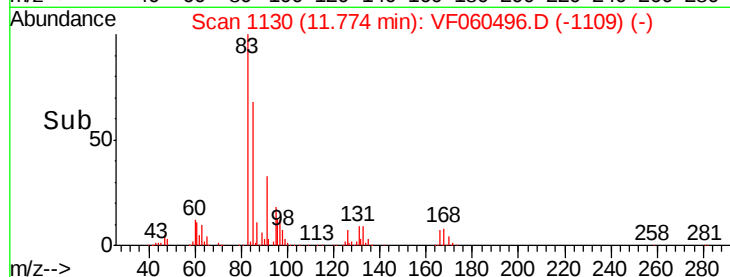
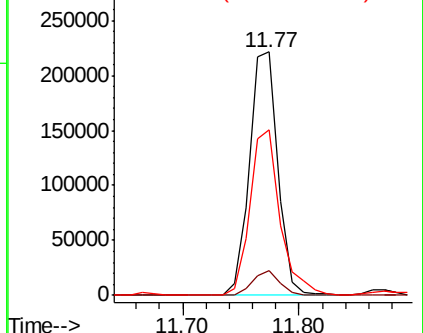
85 68.0 34.8 104.4



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: 118.405 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF060496.D

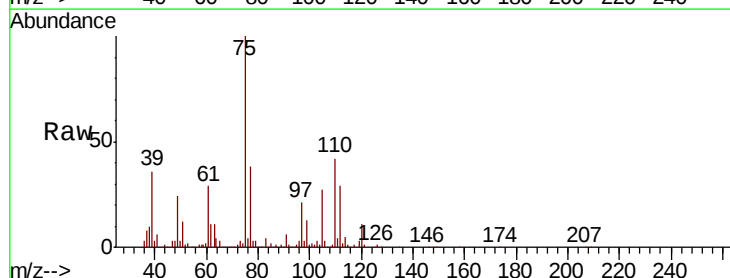
Acq: 9 Oct 2018 17:39

Tgt Ion: 75 Resp: 274503

Ion Ratio Lower Upper

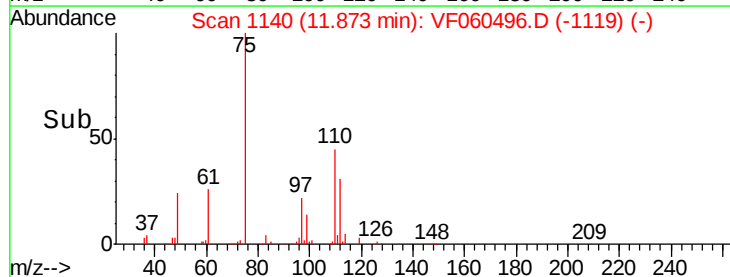
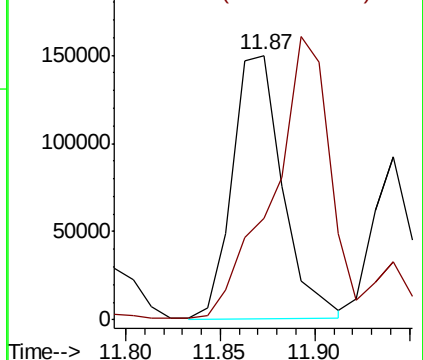
75 100

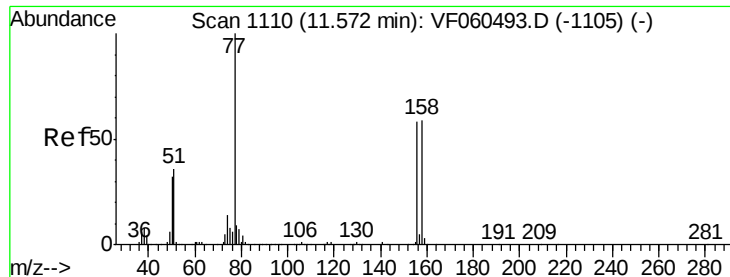
77 38.4 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 125.077 ug/l

RT: 11.58 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

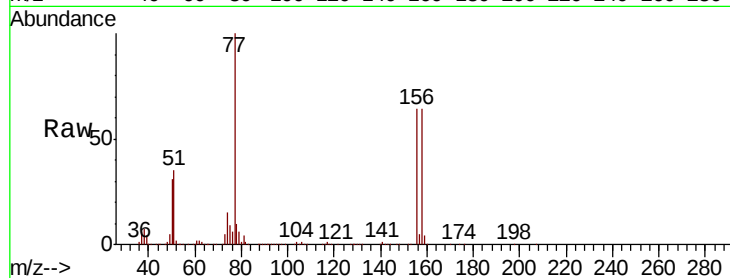
Tgt Ion:156 Resp: 485903

Ion Ratio Lower Upper

156 100

77 157.0 86.3 258.8

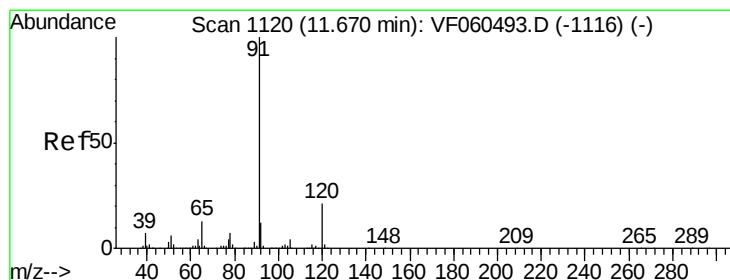
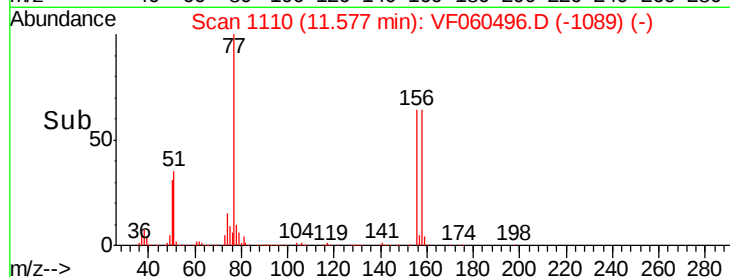
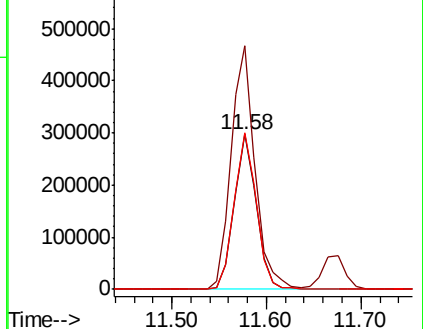
158 100.9 51.1 153.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 110.348 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. 0.01 min

Lab File: VF060496.D

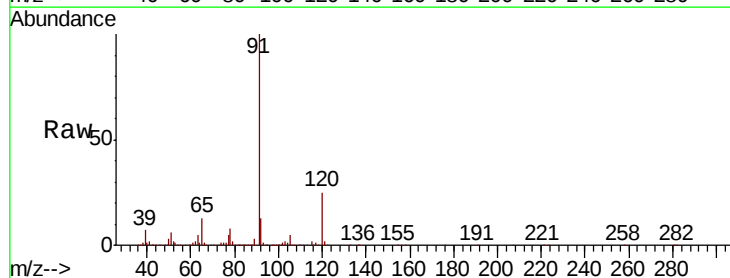
Acq: 9 Oct 2018 17:39

Tgt Ion: 91 Resp: 2306967

Ion Ratio Lower Upper

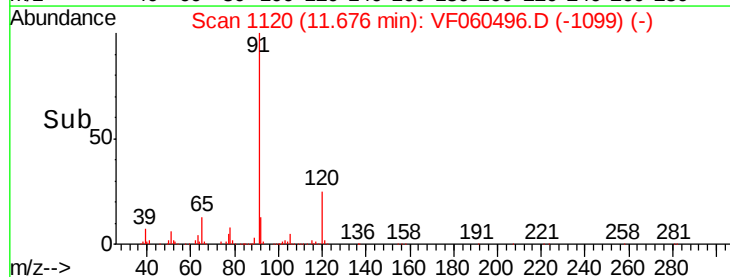
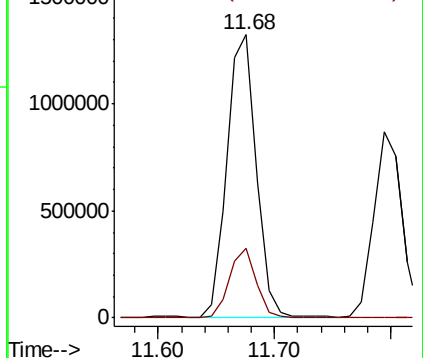
91 100

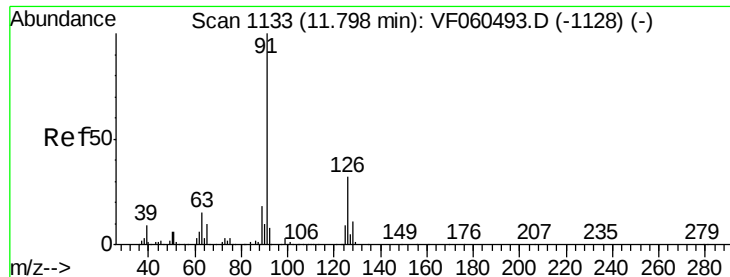
120 24.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

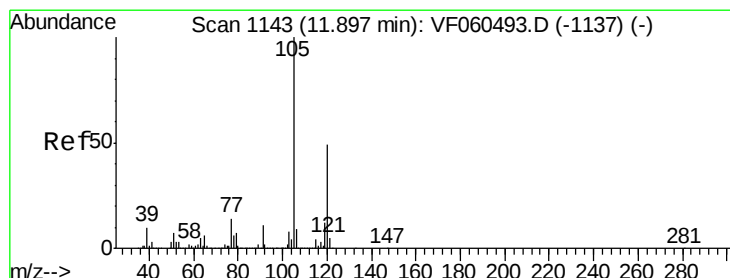
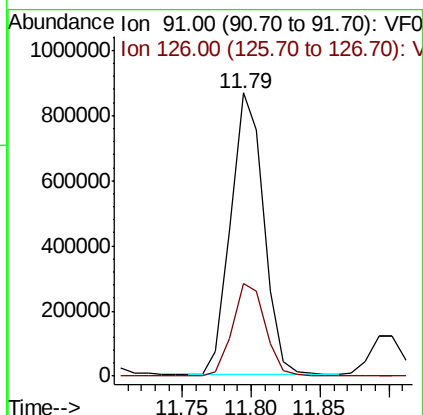
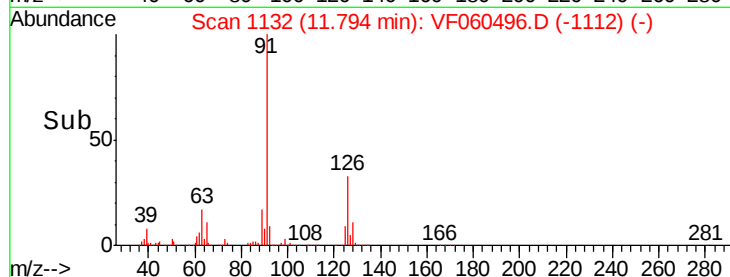
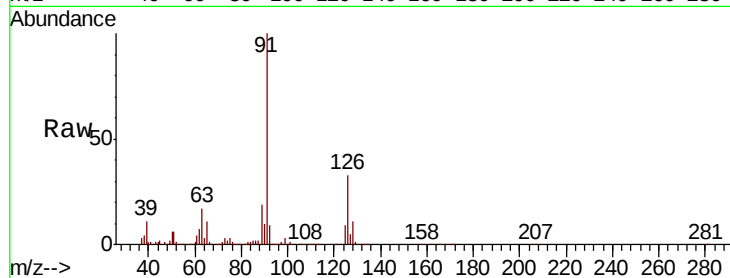




#79
 2-Chlorotoluene
 Concen: 117.574 ug/l
 RT: 11.79 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

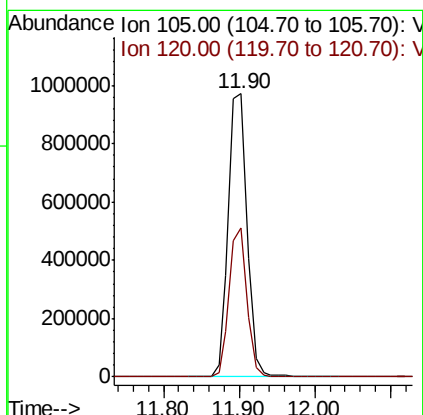
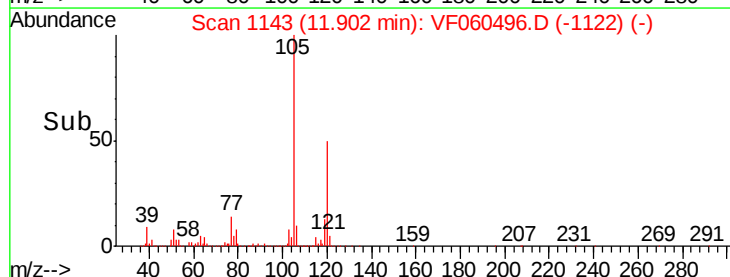
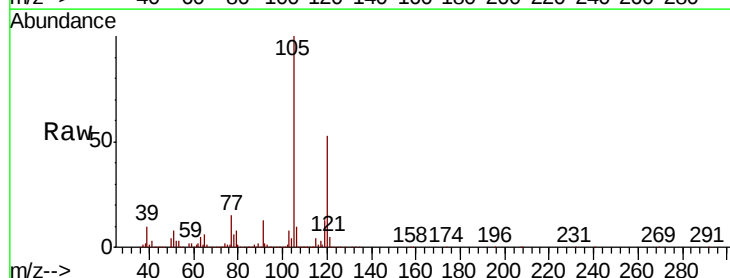
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

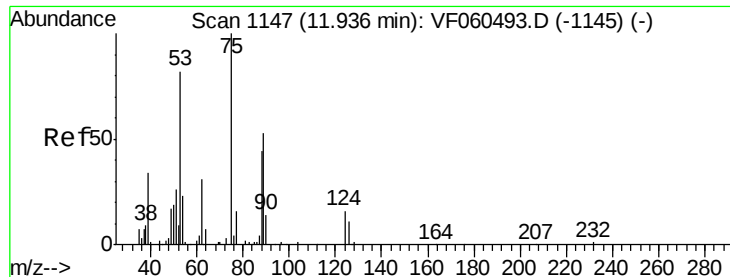
Tgt Ion: 91 Resp: 1441216
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 113.578 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion: 105 Resp: 1668810
 Ion Ratio Lower Upper
 105 100
 120 52.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 182.141 ug/l

RT: 11.94 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

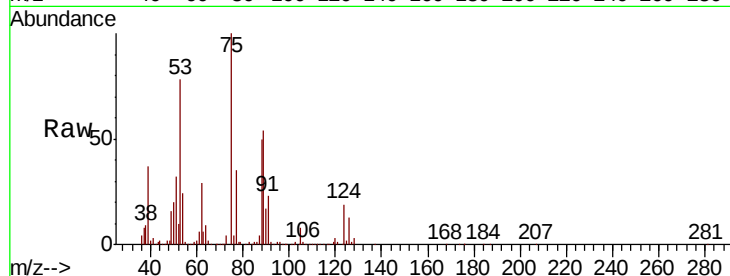
Tgt Ion: 75 Resp: 184624

Ion Ratio Lower Upper

75 100

53 77.6 71.0 106.6

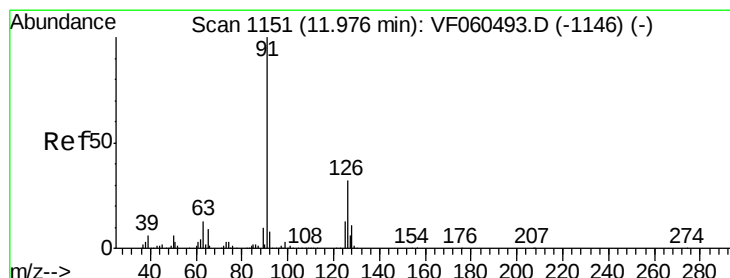
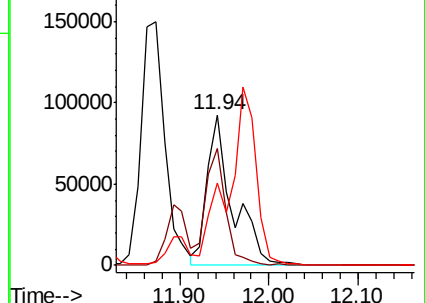
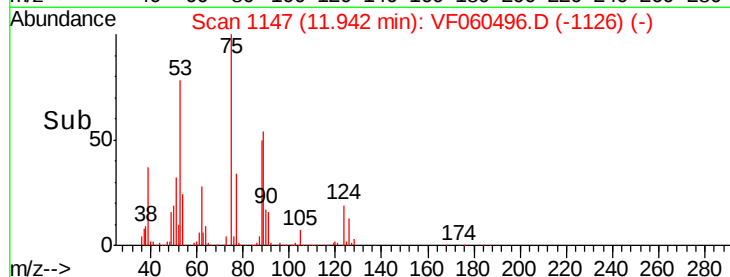
89 54.5 43.1 64.7



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: 118.662 ug/l

RT: 11.97 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF060496.D

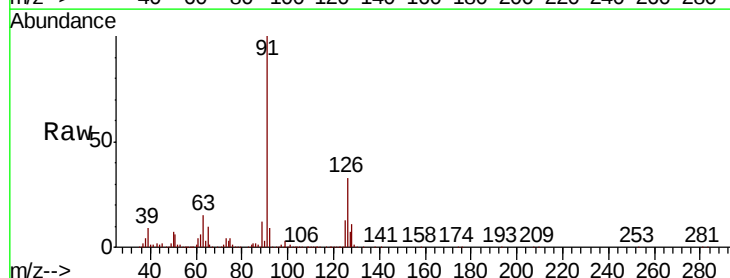
Acq: 9 Oct 2018 17:39

Tgt Ion: 91 Resp: 1498648

Ion Ratio Lower Upper

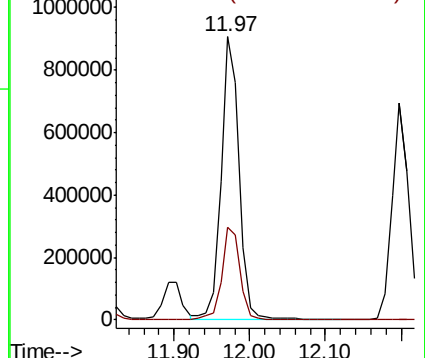
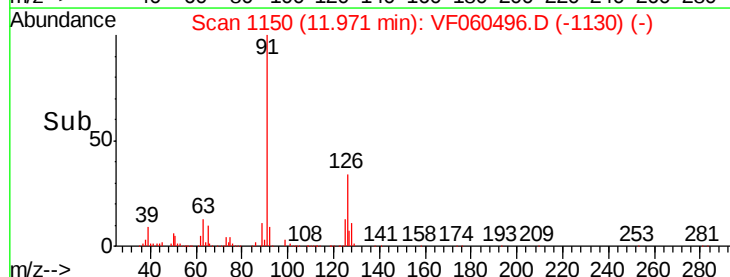
91 100

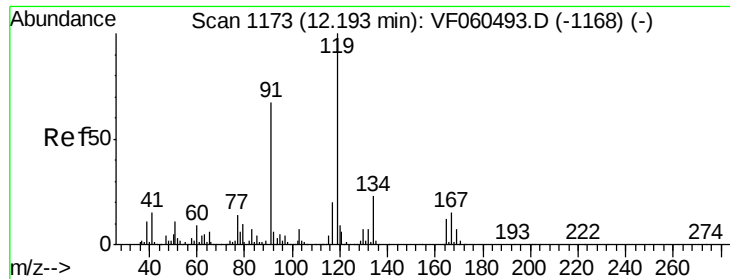
126 32.7 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

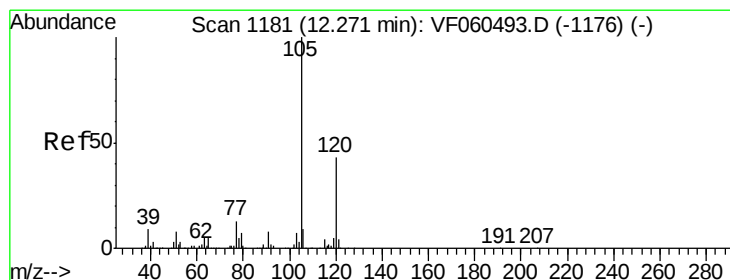
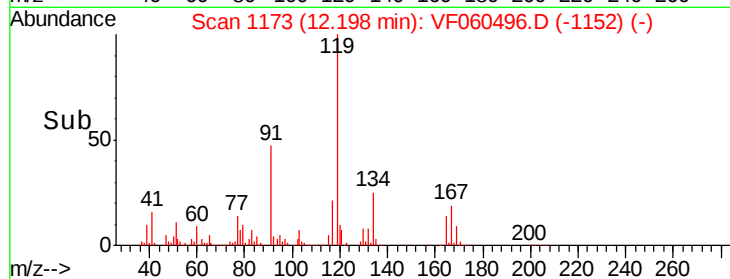
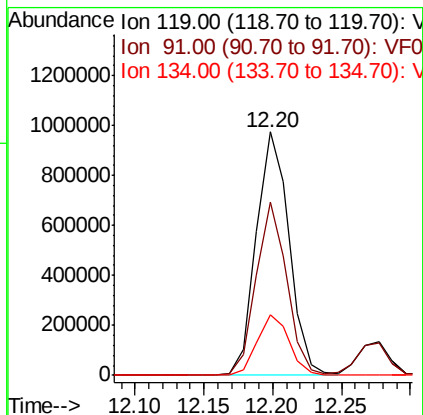
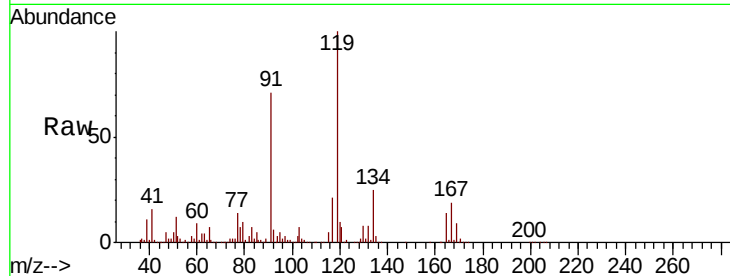




#83
 tert-Butylbenzene
 Concen: 111.867 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

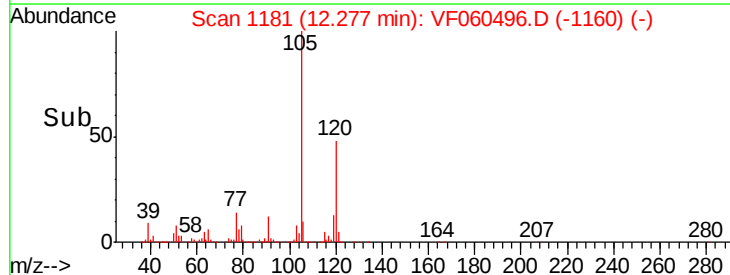
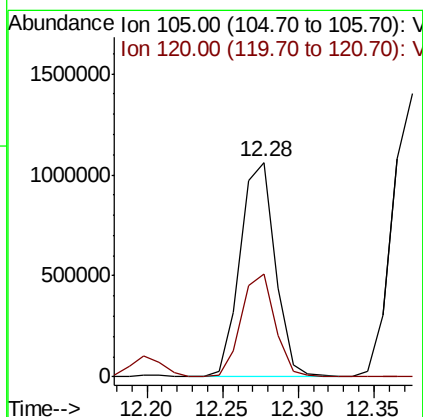
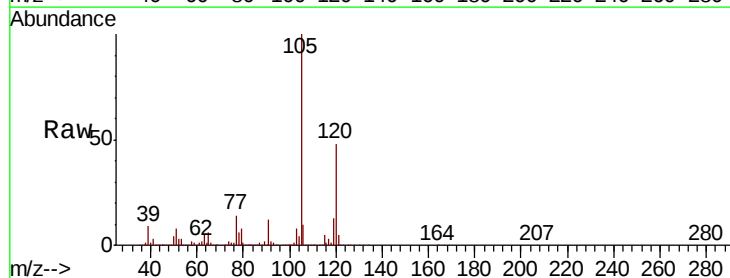
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

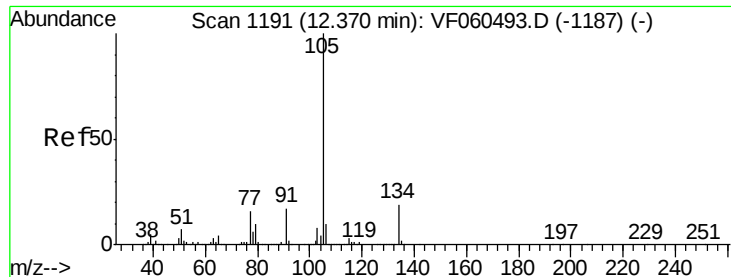
Tgt Ion:119 Resp: 1621406
 Ion Ratio Lower Upper
 119 100
 91 71.1 33.6 100.8
 134 25.1 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 117.364 ug/l
 RT: 12.28 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion:105 Resp: 1717734
 Ion Ratio Lower Upper
 105 100
 120 48.0 21.7 65.1





#85

sec-Butylbenzene

Concen: 110.863 ug/l

RT: 12.38 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

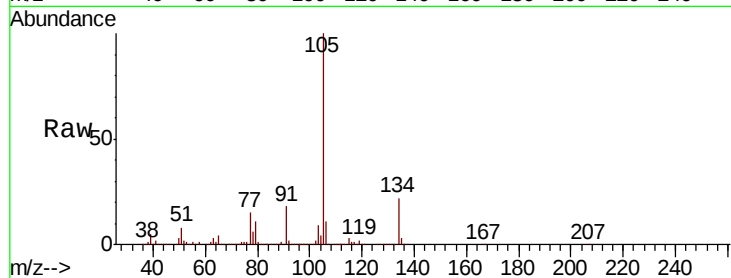
VSTDIC150

Tgt Ion:105 Resp: 2222918

Ion Ratio Lower Upper

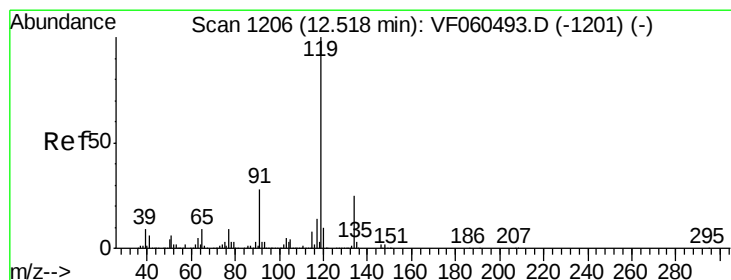
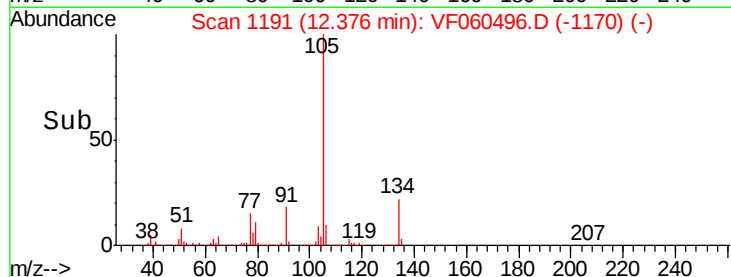
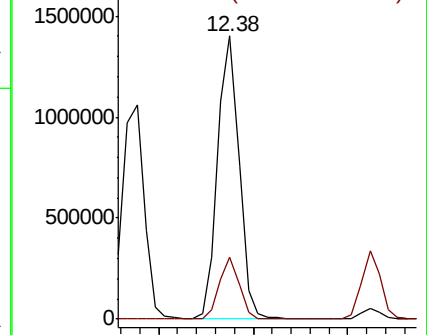
105 100

134 21.7 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 111.915 ug/l

RT: 12.52 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

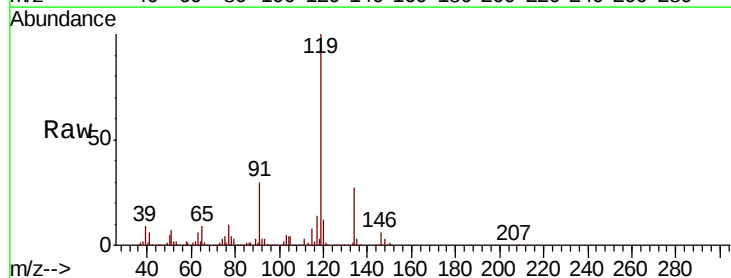
Tgt Ion:119 Resp: 1833666

Ion Ratio Lower Upper

119 100

134 27.4 12.6 37.6

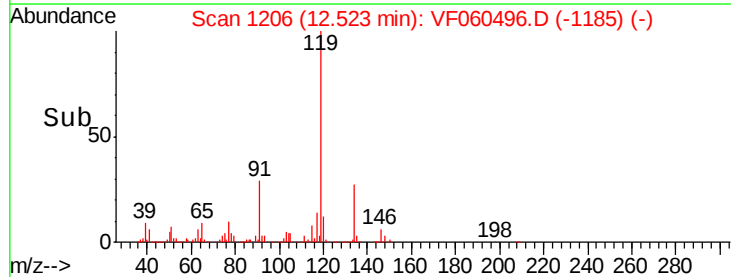
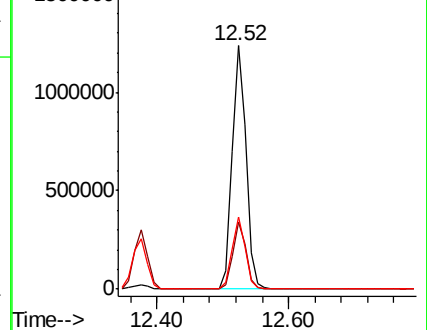
91 29.5 14.1 42.4

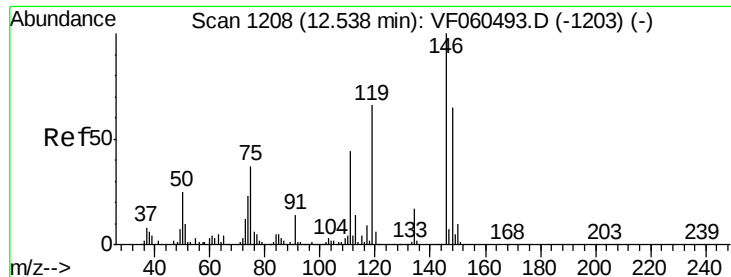


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

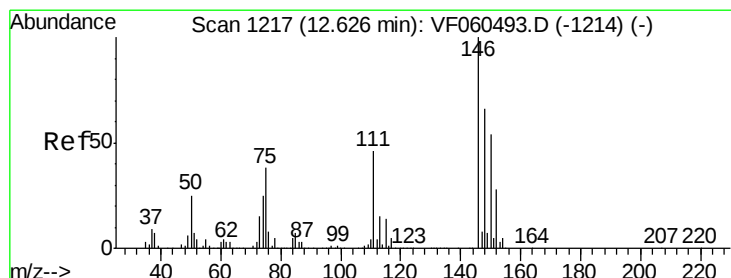
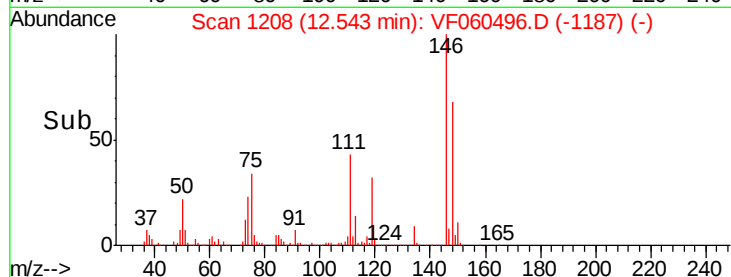
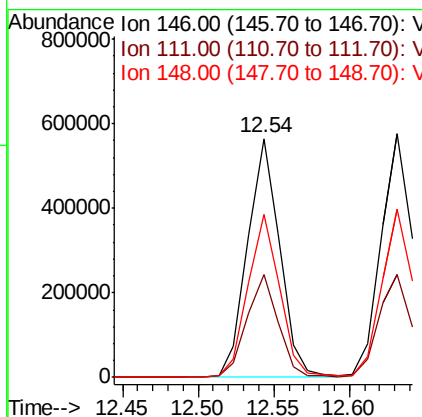
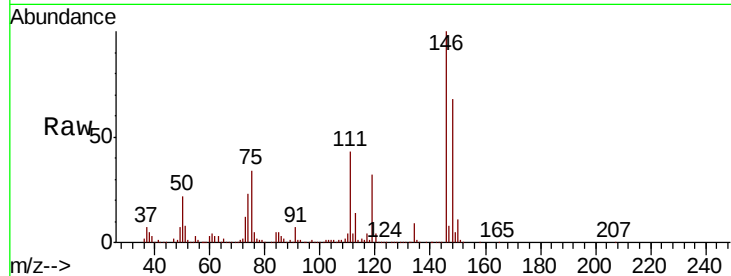




#87
 1,3-Dichlorobenzene
 Concen: 115.631 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

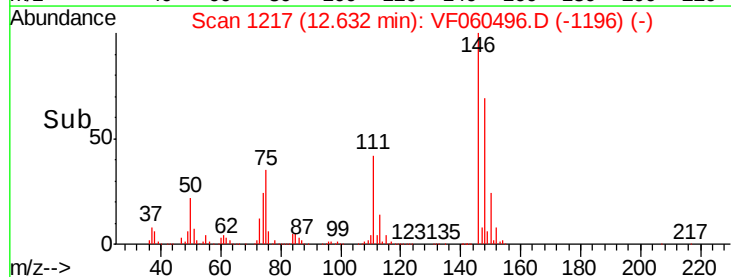
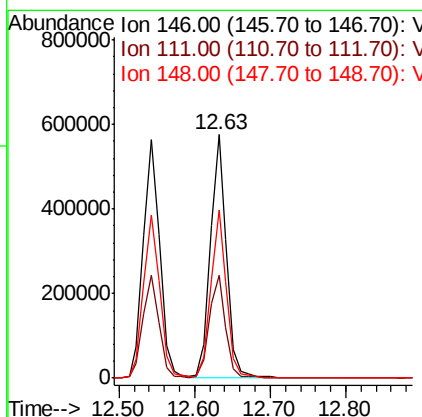
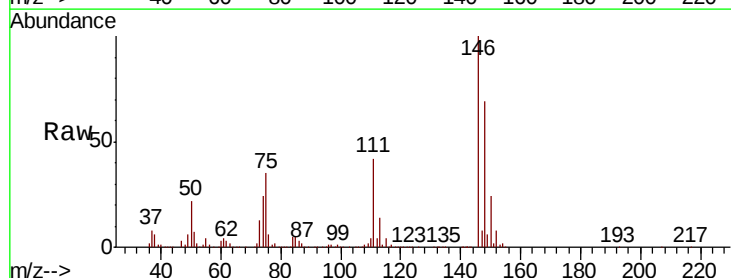
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

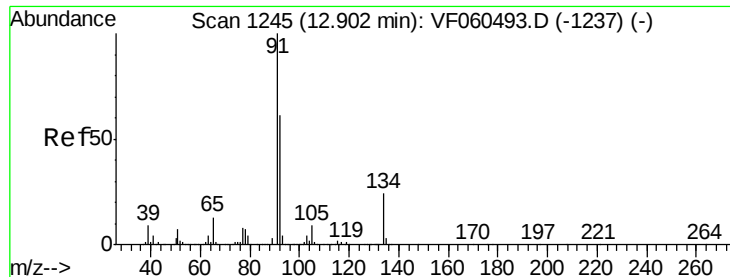
Tgt Ion:146 Resp: 844796
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.2 66.6
 148 67.9 32.7 98.1



#88
 1,4-Dichlorobenzene
 Concen: 120.337 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF060496.D
 Acq: 9 Oct 2018 17:39

Tgt Ion:146 Resp: 864854
 Ion Ratio Lower Upper
 146 100
 111 42.3 23.2 69.6
 148 68.9 33.3 99.9

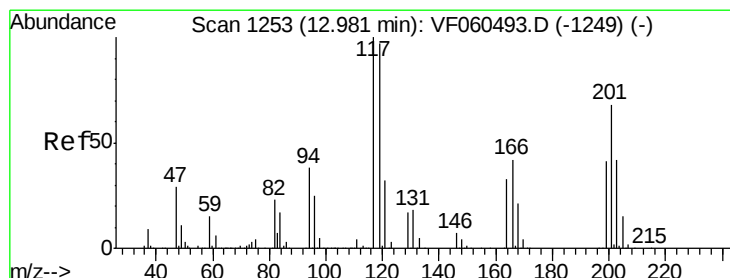
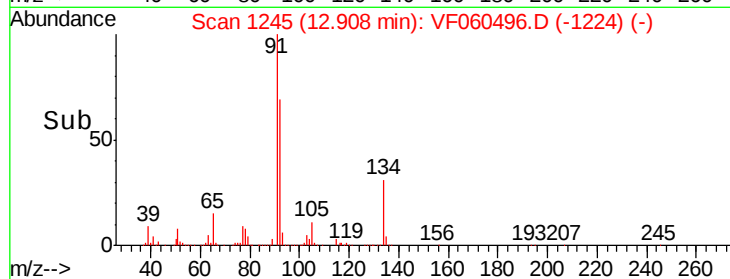
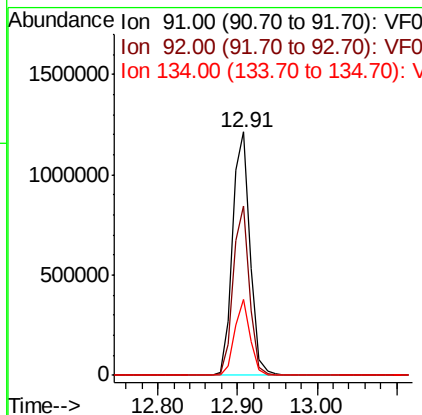
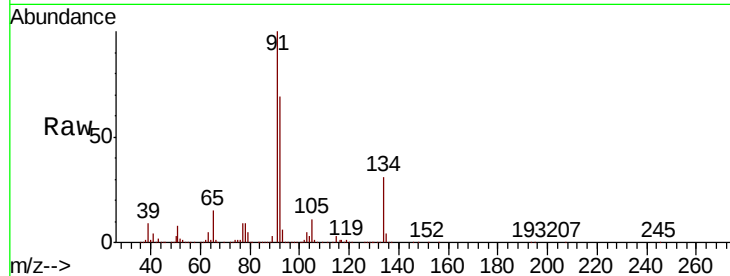




#89
n-Butylbenzene
Concen: 108.766 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

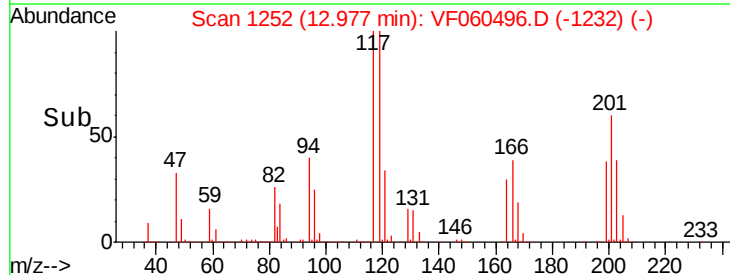
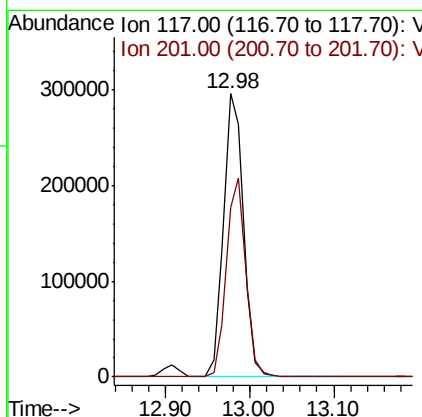
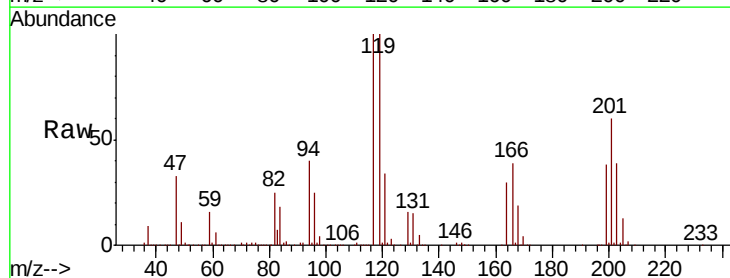
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

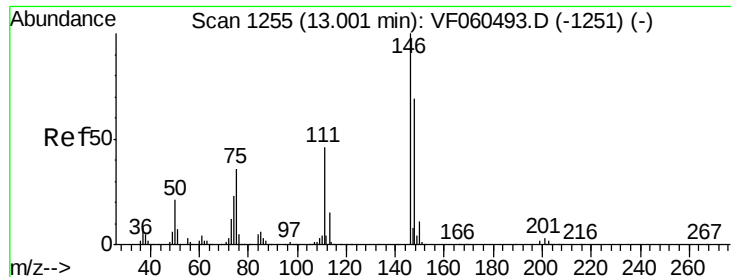
Tgt Ion: 91 Resp: 1878706
Ion Ratio Lower Upper
91 100
92 69.4 30.8 92.3
134 31.2 12.1 36.3



#90
Hexachloroethane
Concen: 116.388 ug/l
RT: 12.98 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion: 117 Resp: 486853
Ion Ratio Lower Upper
117 100
201 59.9 34.0 102.0





#91

1,2-Dichlorobenzene

Concen: 116.947 ug/l

RT: 13.01 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

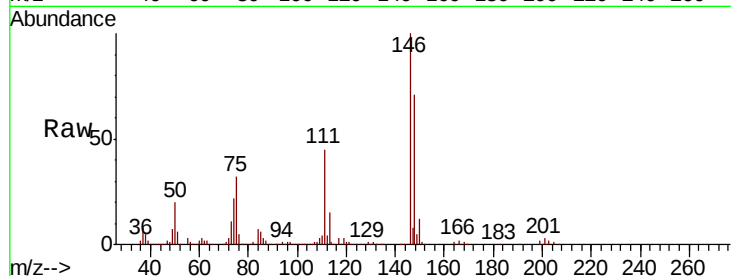
Tgt Ion: 146 Resp: 819371

Ion Ratio Lower Upper

146 100

111 44.7 22.9 68.7

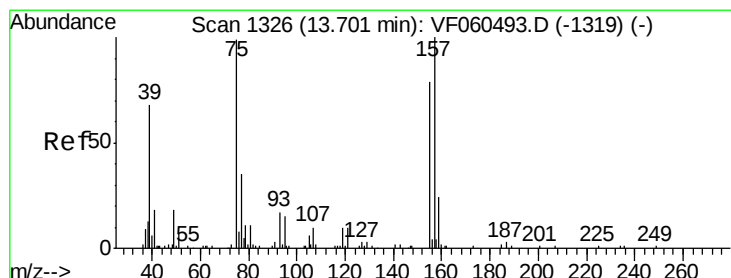
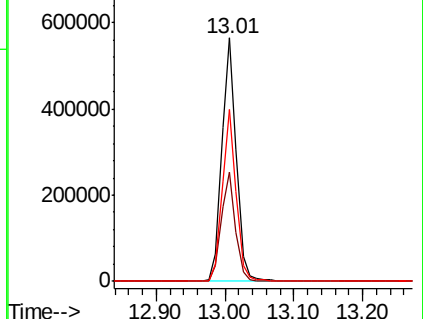
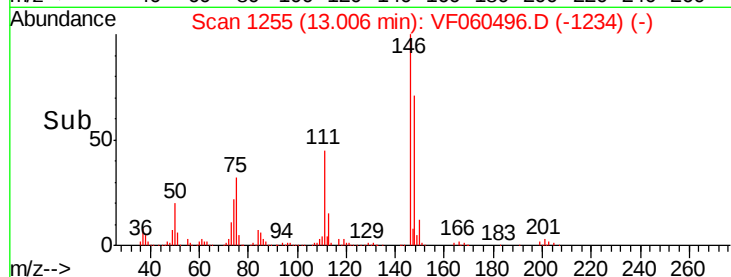
148 70.5 34.5 103.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 134.858 ug/l

RT: 13.70 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VF060496.D

Acq: 9 Oct 2018 17:39

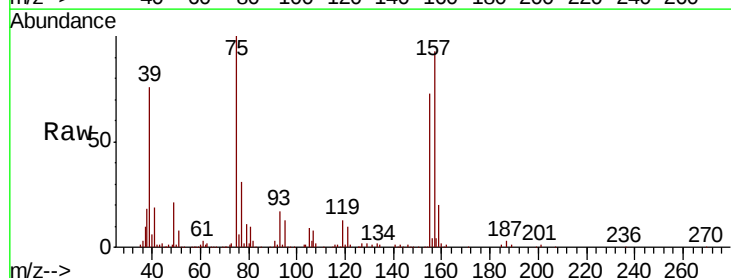
Tgt Ion: 75 Resp: 83838

Ion Ratio Lower Upper

75 100

155 73.1 40.6 121.7

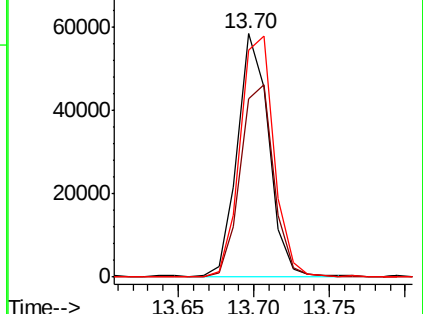
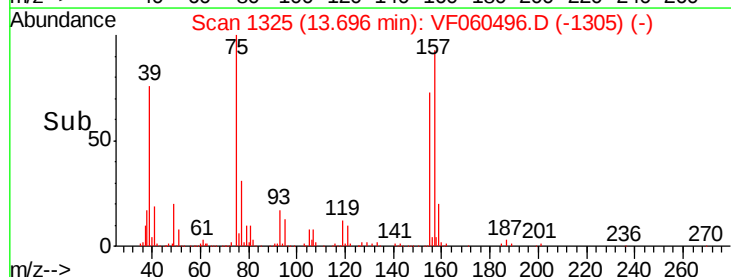
157 93.3 50.8 152.5

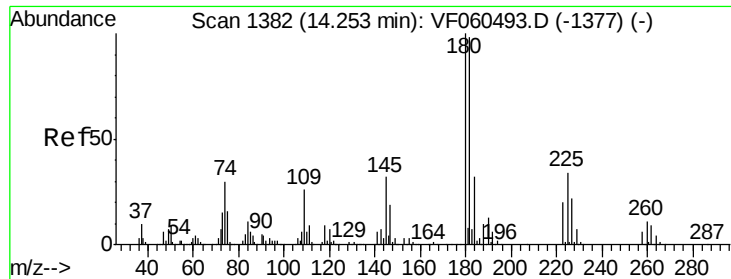


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

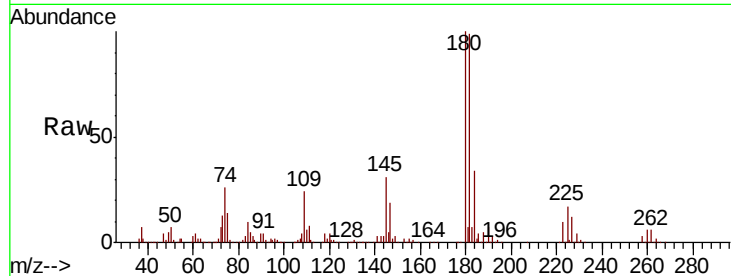




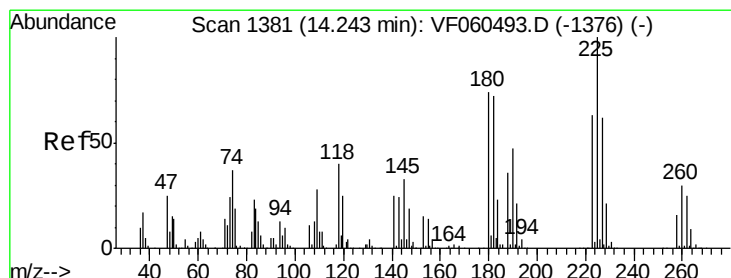
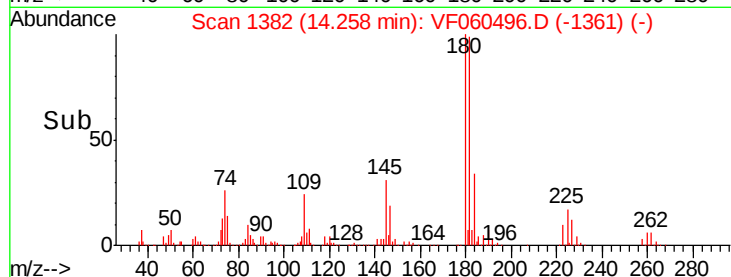
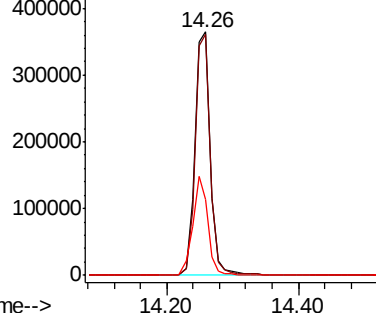
#93
1,2,4-Trichlorobenzene
Concen: 113.840 ug/l
RT: 14.26 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:180 Resp: 596587
Ion Ratio Lower Upper
180 100
182 99.3 48.9 146.8
145 31.3 16.2 48.5

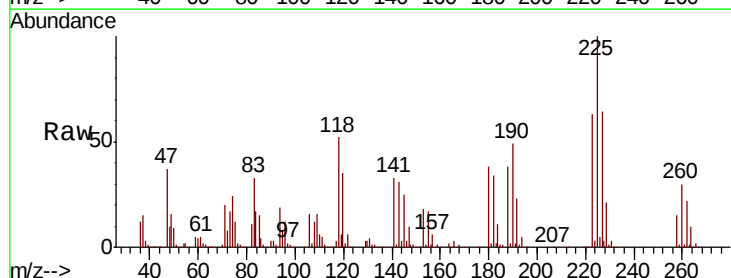


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

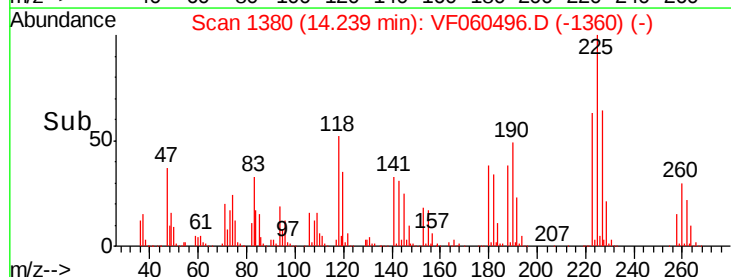
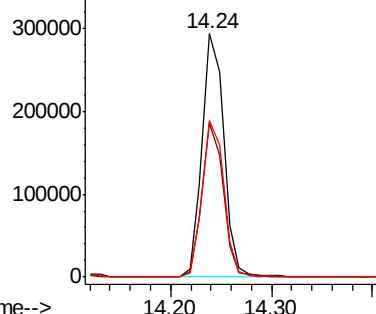


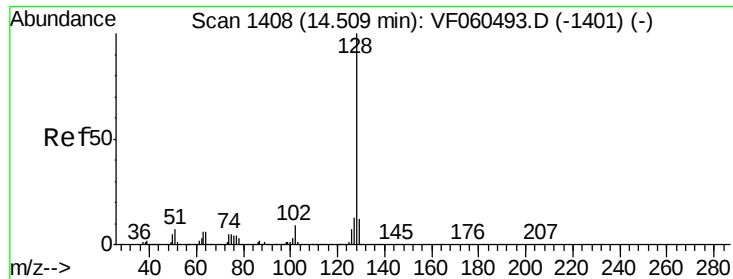
#94
Hexachlorobutadiene
Concen: 119.382 ug/l
RT: 14.24 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion:225 Resp: 439964
Ion Ratio Lower Upper
225 100
223 63.3 31.4 94.2
227 64.3 30.9 92.7



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

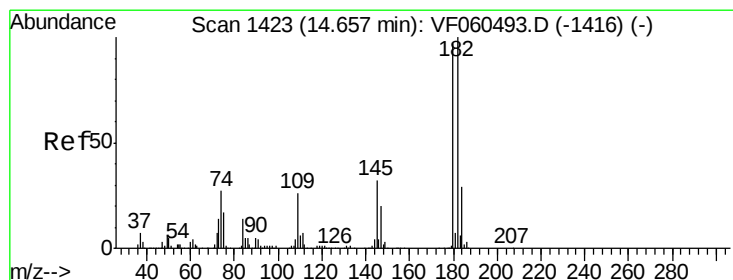
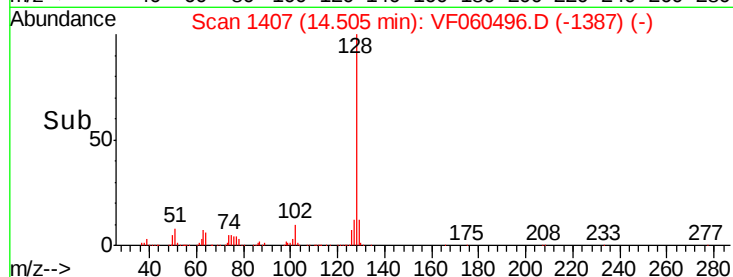
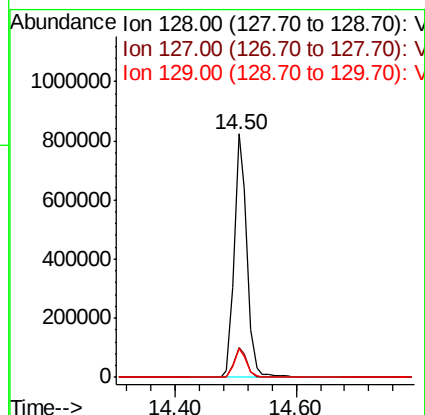
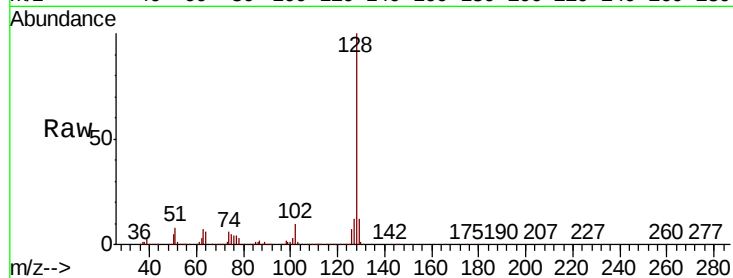




#95
Naphthalene
Concen: 128.680 ug/l
RT: 14.50 min Scan# 1407
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 1204137
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 11.6 9.2 13.8



#96
1,2,3-Trichlorobenzene
Concen: 122.110 ug/l
RT: 14.65 min Scan# 1422
Delta R.T. -0.00 min
Lab File: VF060496.D
Acq: 9 Oct 2018 17:39

Tgt Ion:180 Resp: 602815
Ion Ratio Lower Upper
180 100
182 98.9 51.3 153.9
145 34.7 16.4 49.2

