

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF091918\
 Data File : VF060281.D
 Acq On : 19 Sep 2018 14:42
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA_F/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Sep 20 02:20:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:18:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	273624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	448660	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	394556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	208412	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	226168	61.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.76%	
35) Dibromofluoromethane	4.29	113	251743	62.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.88%	
50) Toluene-d8	7.71	98	641567	61.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.20%	
62) 4-Bromofluorobenzene	11.50	95	273098	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	279880	57.610	ug/l	100
3) Chloromethane	1.12	50	217008	58.867	ug/l	95
4) Vinyl Chloride	1.17	62	234395	61.681	ug/l	98
5) Bromomethane	1.35	94	154275	60.520	ug/l	96
6) Chloroethane	1.43	64	110521	61.068	ug/l	99
7) Trichlorofluoromethane	1.54	101	460373	65.027	ug/l	99
8) Diethyl Ether	1.69	74	71942	61.078	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.89	101	233735	62.079	ug/l	98
10) Methyl Iodide	1.97	142	382939	63.076	ug/l	91
11) Tert butyl alcohol	2.67	59	67008	285.299	ug/l	94
12) 1,1-Dichloroethene	1.85	96	199929	64.207	ug/l	99
13) Acrolein	2.08	56	23673	206.203	ug/l	96
14) Allyl chloride	2.18	41	328918	60.533	ug/l	98
15) Acrylonitrile	3.06	53	167455	321.802	ug/l	98
16) Acetone	2.33	43	332595	320.538	ug/l	98
17) Carbon Disulfide	1.88	76	551372	58.671	ug/l	99
18) Methyl Acetate	2.44	43	101319	58.614	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	481170	61.986	ug/l	97
20) Methylene Chloride	2.27	84	94254	25.554	ug/l	93
21) trans-1,2-Dichloroethene	2.40	96	197325	61.356	ug/l	98
22) Diisopropyl ether	2.92	45	667352	65.094	ug/l	99
23) Vinyl Acetate	3.32	43	1273225	316.211	ug/l	98
24) 1,1-Dichloroethane	3.00	63	423775	63.737	ug/l	98
25) 2-Butanone	4.49	43	439965	315.020	ug/l	96
26) 2,2-Dichloropropane	3.75	77	237528	62.611	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	259494	61.418	ug/l	92
28) Bromochloromethane	3.88	49	158638	61.283	ug/l	97
29) Tetrahydrofuran	4.24	42	156554	306.099	ug/l	99
30) Chloroform	4.03	83	514783	64.167	ug/l	95
31) Cyclohexane	3.85	56	345701	61.556	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	402592	63.598	ug/l	97
36) 1,1-Dichloropropene	4.45	75	357461	63.873	ug/l	96
37) Ethyl Acetate	4.28	43	148239	62.601	ug/l	90
38) Carbon Tetrachloride	4.16	117	439626	68.843	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	390208	64.333	ug/l	97
40) Benzene	4.80	78	820033	64.622	ug/l	99
41) Methacrylonitrile	4.91	41	78938	61.434	ug/l #	94
42) 1,2-Dichloroethane	5.10	62	311328	66.654	ug/l	100
43) Isopropyl Acetate	7.11	43	186111	65.285	ug/l #	98
44) Trichloroethene	5.67	130	251020	66.468	ug/l	96
45) 1,2-Dichloropropane	6.40	63	217401	66.196	ug/l	96
46) Dibromomethane	6.25	93	156083	66.488	ug/l	96
47) Bromodichloromethane	6.54	83	376220	66.688	ug/l	98
48) Methyl methacrylate	6.87	41	125374	62.651	ug/l	95
49) 1,4-Dioxane	6.86	88	20582	1151.243	ug/l	98
51) 4-Methyl-2-Pentanone	8.40	43	784394	357.000	ug/l	99
52) Toluene	7.78	92	531050	66.150	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	287734	63.230	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	378847	66.085	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	163624	67.154	ug/l	95
56) Ethyl methacrylate	8.75	69	193442	65.737	ug/l	96
57) 1,3-Dichloropropane	9.00	76	271037	67.182	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	82767	318.161	ug/l	100
59) 2-Hexanone	9.62	43	555829	355.296	ug/l	100
60) Dibromochloromethane	8.86	129	247856	68.251	ug/l	97
61) 1,2-Dibromoethane	9.13	107	179198	66.046	ug/l	91
64) Tetrachloroethene	8.30	164	231451	64.710	ug/l	96
65) Chlorobenzene	9.93	112	585052	65.425	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	252173	67.952	ug/l	95
67) Ethyl Benzene	10.03	91	1056141	63.877	ug/l	99
68) m/p-Xylenes	10.27	106	746195	130.629	ug/l	88
69) o-Xylene	10.82	106	423244	66.059	ug/l	93
70) Styrene	10.90	104	587895	65.063	ug/l	98
71) Bromoform	10.88	173	135641	66.552	ug/l	93
73) Isopropylbenzene	11.23	105	1184698	63.320	ug/l	98
74) N-amyl acetate	11.46	43	262347	65.755	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	213261	64.317	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	145398	61.242	ug/l	95
77) Bromobenzene	11.59	156	254833	63.200	ug/l	99
78) n-propylbenzene	11.69	91	1361208	61.625	ug/l	94
79) 2-Chlorotoluene	11.81	91	806939	63.938	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	956920	63.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	106264	69.467	ug/l	93
82) 4-Chlorotoluene	11.99	91	826090	65.123	ug/l	99
83) tert-Butylbenzene	12.21	119	962704	63.057	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	985880	64.466	ug/l	98
85) sec-Butylbenzene	12.39	105	1329656	62.902	ug/l	99
86) p-Isopropyltoluene	12.54	119	1098292	65.658	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	483789	64.208	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	472069	63.388	ug/l	95
89) n-Butylbenzene	12.92	91	1110064	62.737	ug/l	95
90) Hexachloroethane	12.99	117	284588	66.614	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	461686	64.233	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	39388	63.269	ug/l	89

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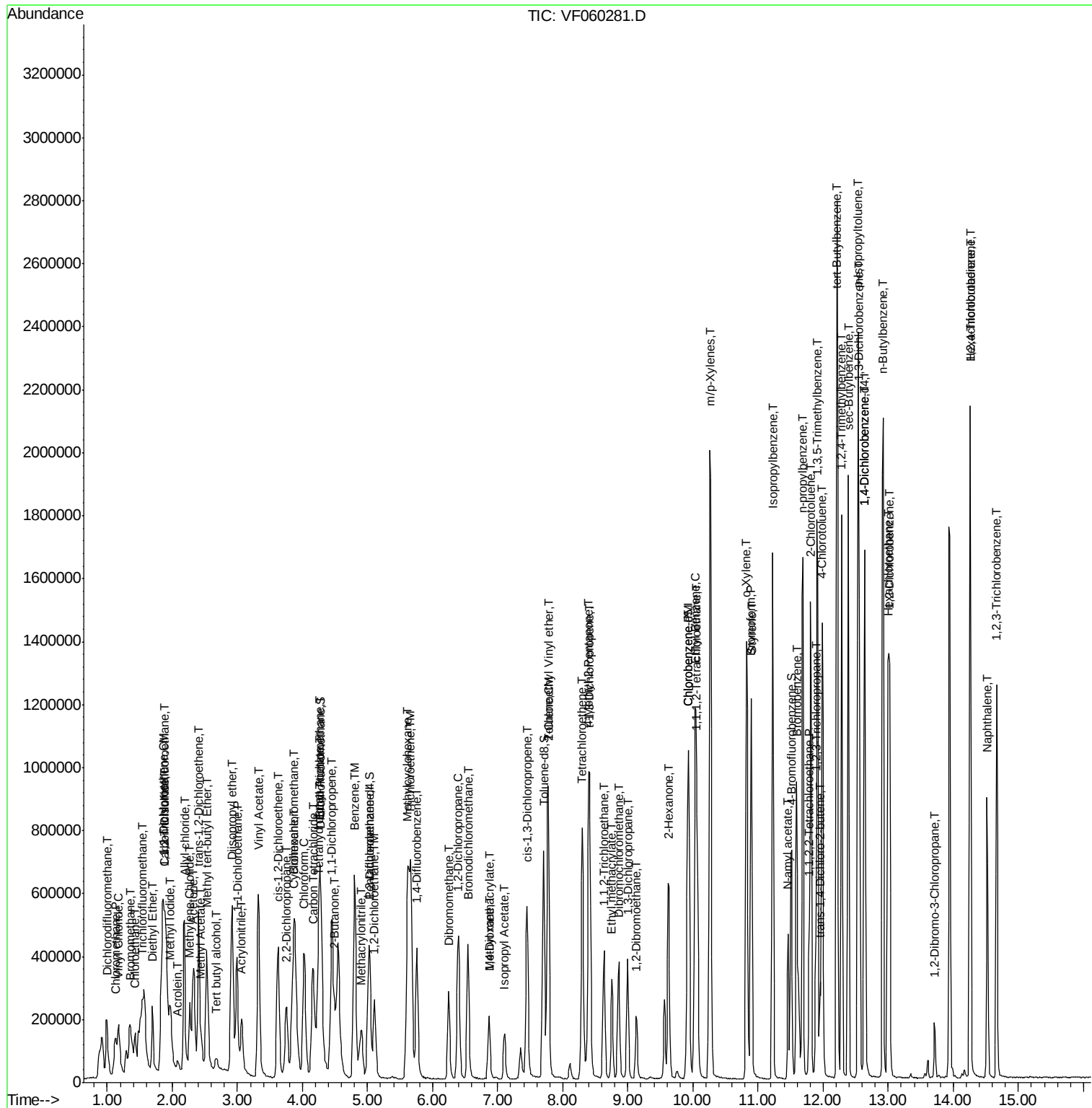
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	339103	64.909	ug/l	96
94) Hexachlorobutadiene	14.25	225	232659	65.879	ug/l	100
95) Naphthalene	14.52	128	632572	69.062	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	325723	67.475	ug/l	98

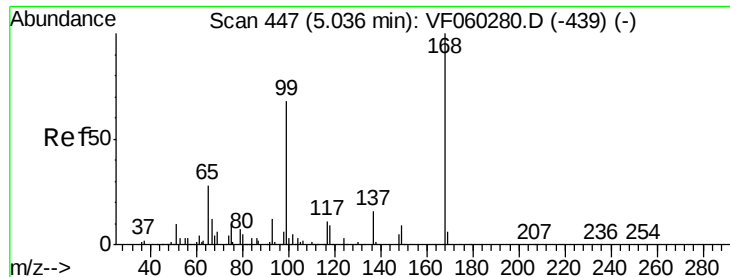
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

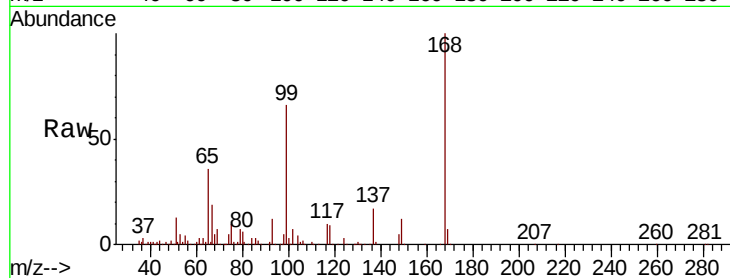
VSTDIC075

Tgt Ion:168 Resp: 273624

Ion Ratio Lower Upper

168 100

99 66.0 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

100000

80000

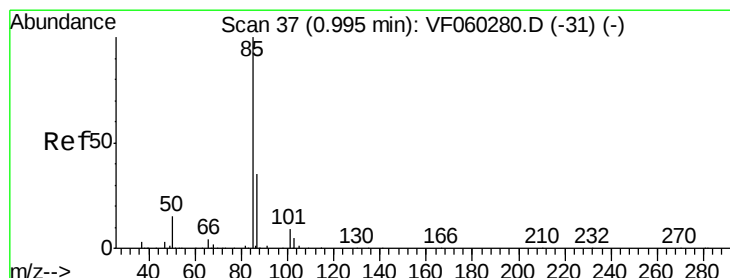
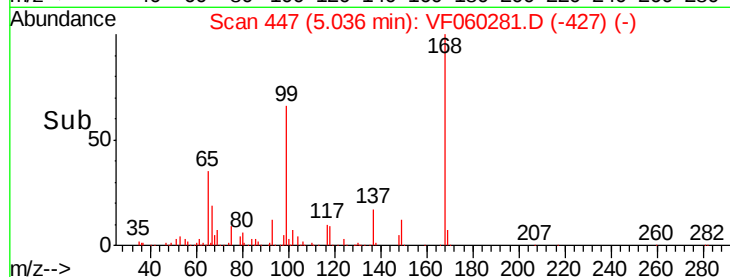
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 57.610 ug/l

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060281.D

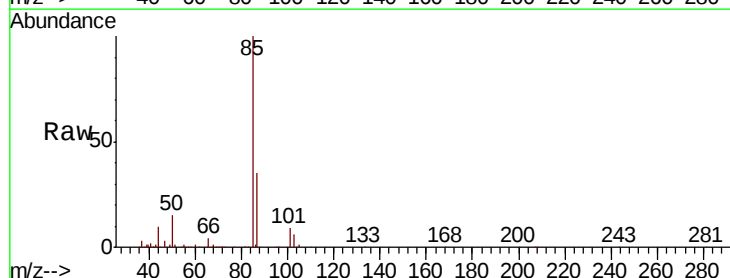
Acq: 19 Sep 2018 14:42

Tgt Ion: 85 Resp: 279880

Ion Ratio Lower Upper

85 100

87 34.8 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

100000

80000

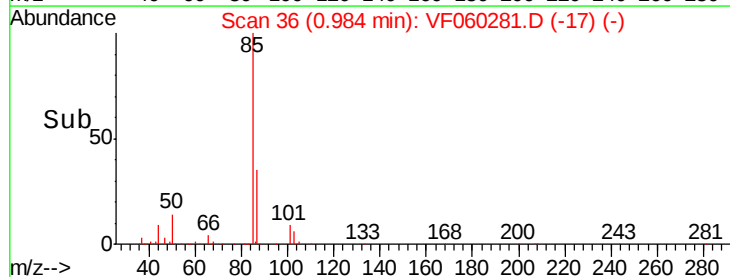
60000

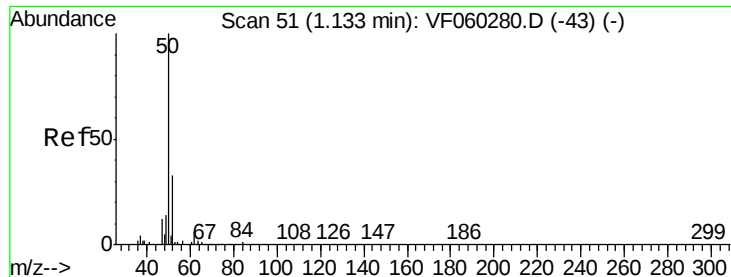
40000

20000

0

Time-->





#3

Chloromethane

Concen: 58.867 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

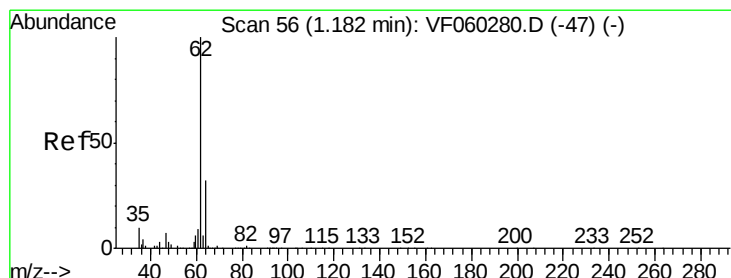
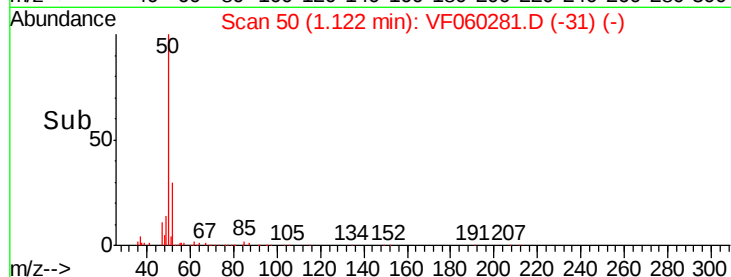
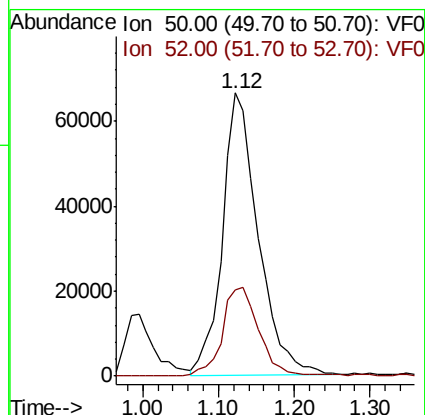
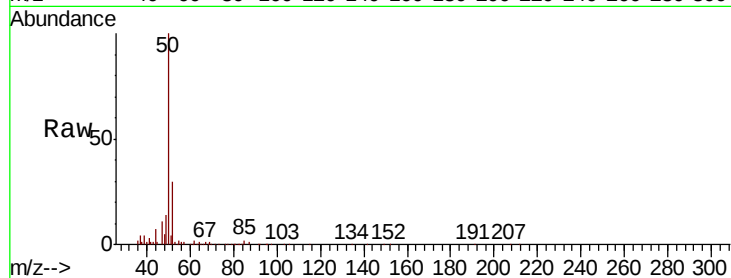
VSTDIC075

Tgt Ion: 50 Resp: 217008

Ion Ratio Lower Upper

50 100

52 30.3 26.5 39.7



#4

Vinyl Chloride

Concen: 61.681 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060281.D

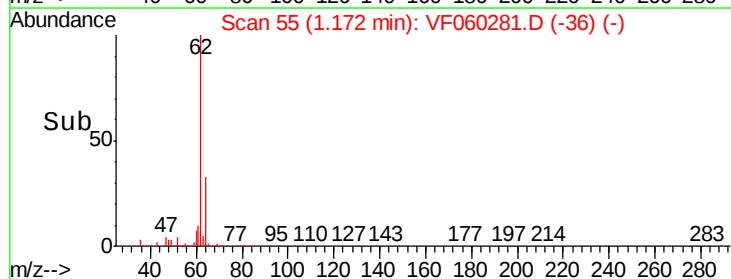
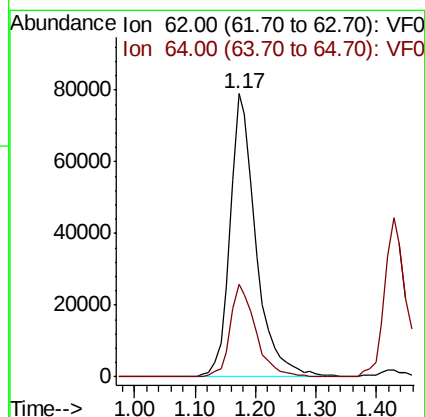
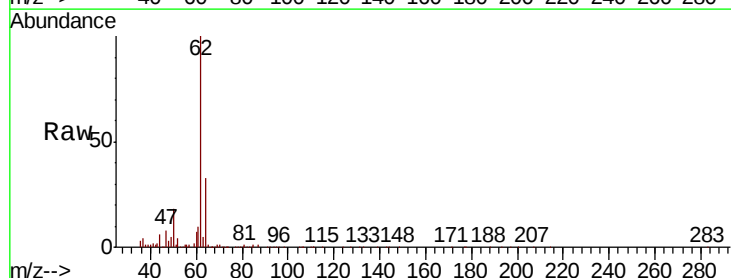
Acq: 19 Sep 2018 14:42

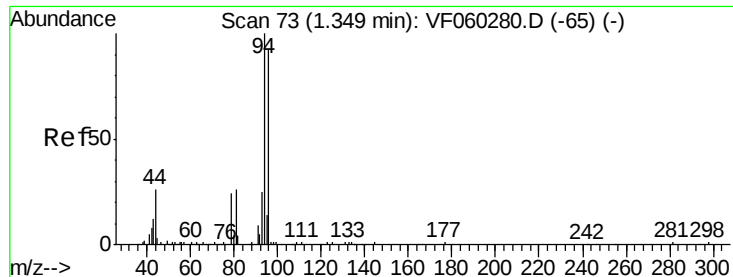
Tgt Ion: 62 Resp: 234395

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 60.520 ug/l

RT: 1.35 min Scan# 73

Delta R.T. -0.00 min

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Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

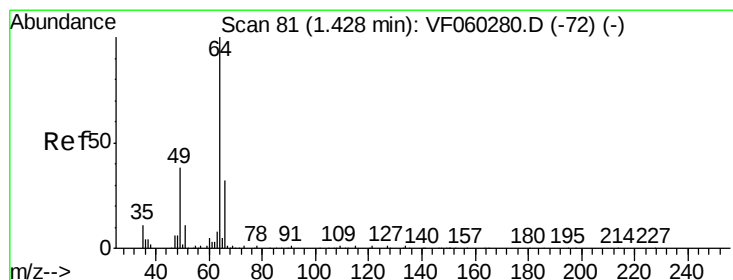
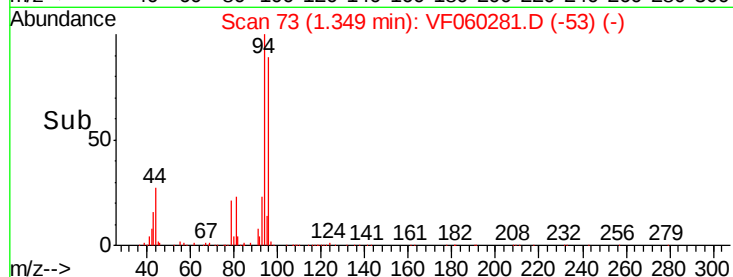
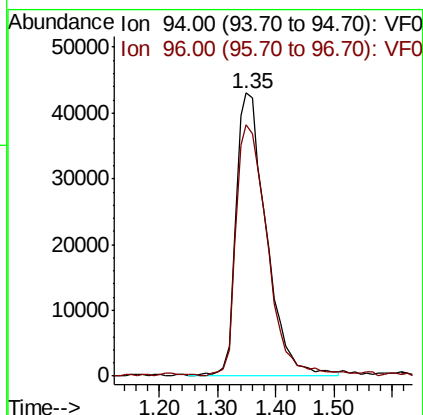
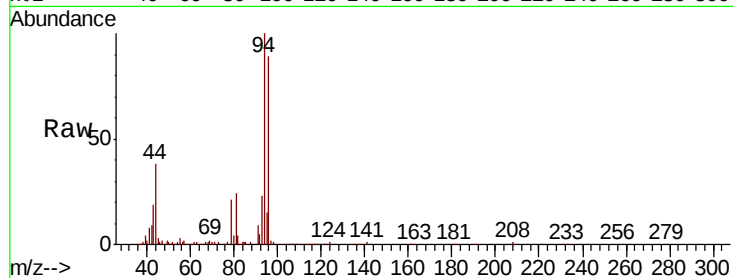
VSTDIC075

Tgt Ion: 94 Resp: 154275

Ion Ratio Lower Upper

94 100

96 88.9 73.9 110.9



#6

Chloroethane

Concen: 61.068 ug/l

RT: 1.43 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF060281.D

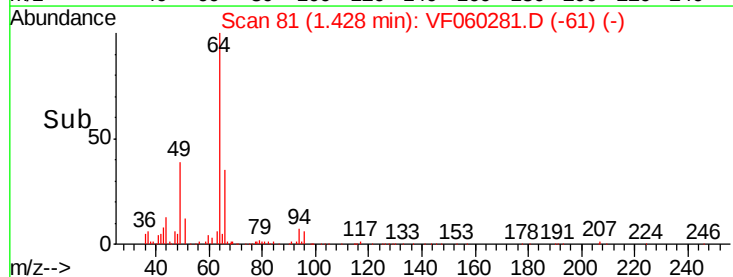
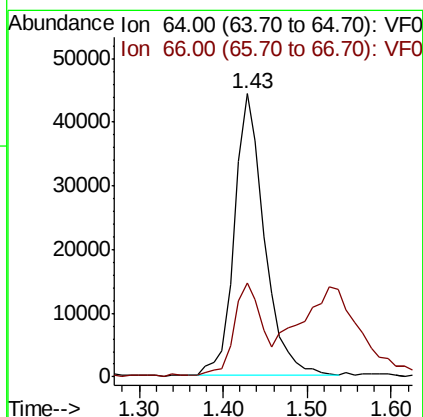
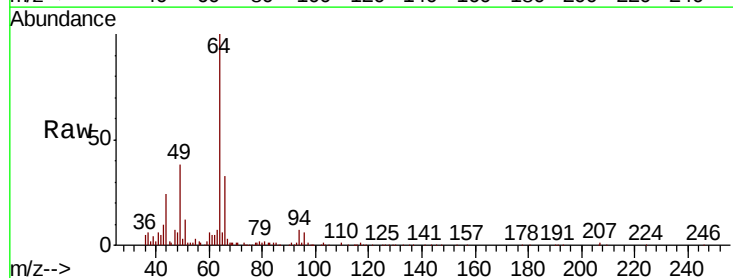
Acq: 19 Sep 2018 14:42

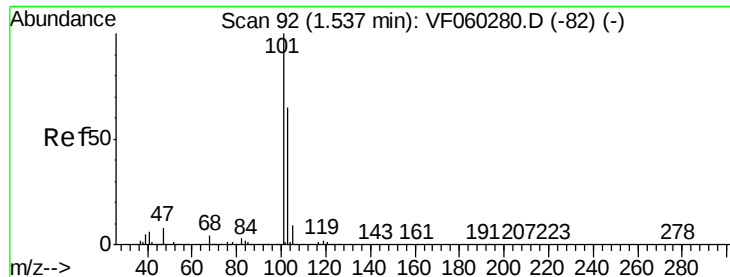
Tgt Ion: 64 Resp: 110521

Ion Ratio Lower Upper

64 100

66 33.4 26.2 39.2





#7

Trichlorofluoromethane

Concen: 65.027 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.00 min

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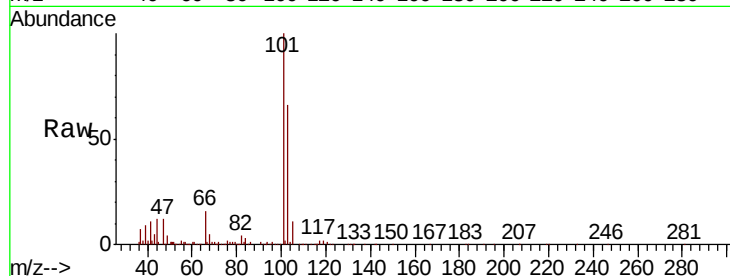
VSTDIC075

Tgt Ion:101 Resp: 460373

Ion Ratio Lower Upper

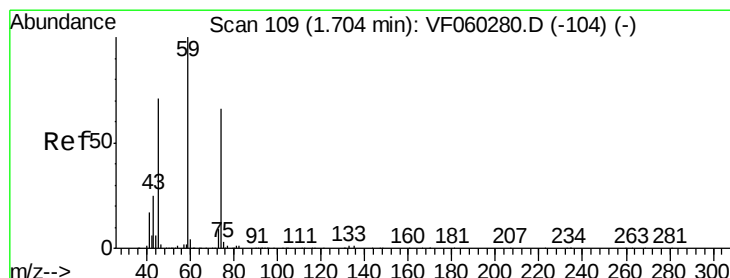
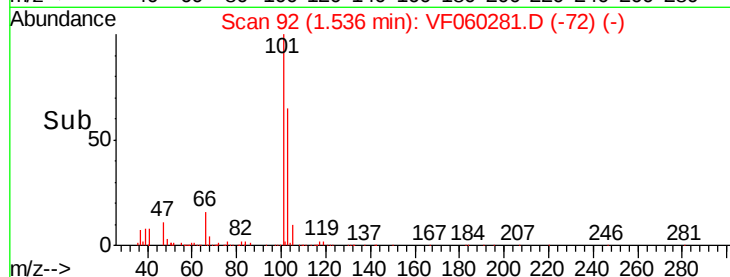
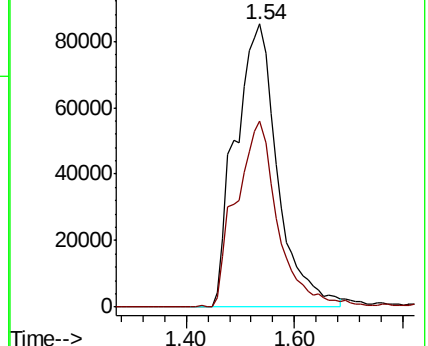
101 100

103 65.6 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 61.078 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060281.D

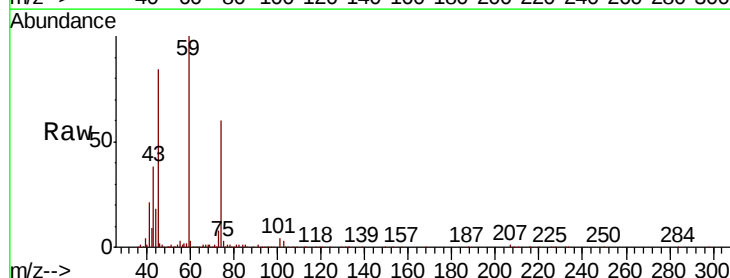
Acq: 19 Sep 2018 14:42

Tgt Ion: 74 Resp: 71942

Ion Ratio Lower Upper

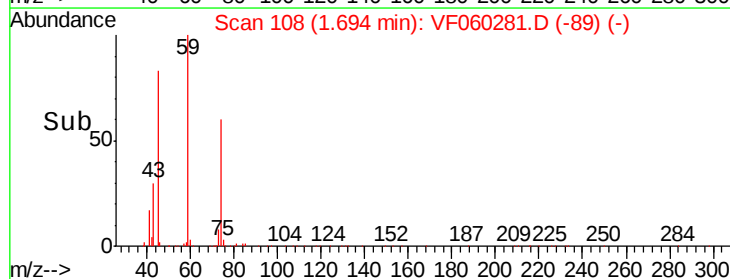
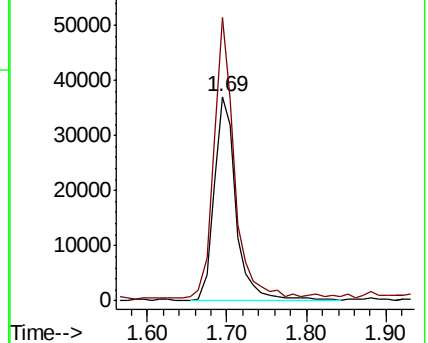
74 100

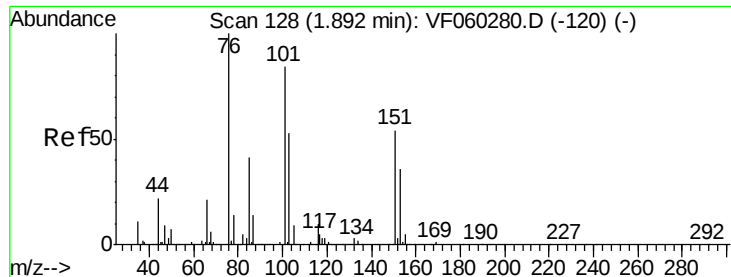
45 138.6 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 62.079 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.00 min

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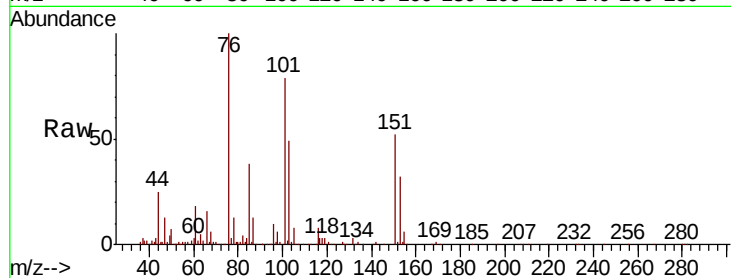
Tgt Ion:101 Resp: 233735

Ion Ratio Lower Upper

101 100

85 47.9 38.7 58.1

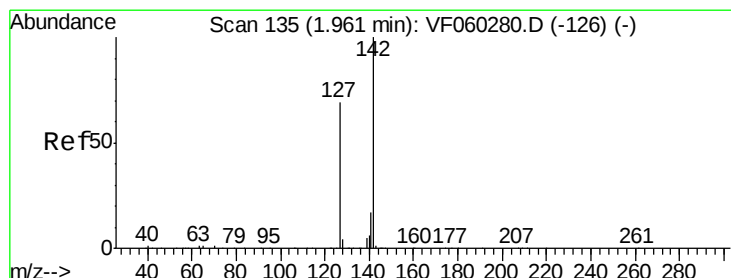
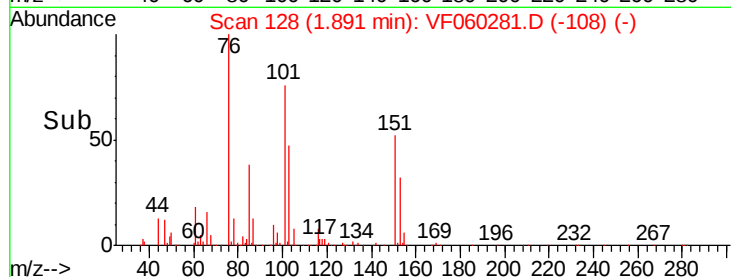
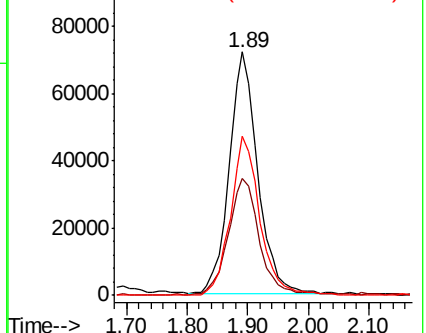
151 65.4 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 63.076 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

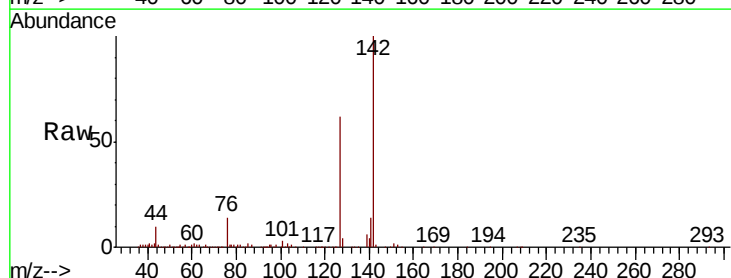
Tgt Ion:142 Resp: 382939

Ion Ratio Lower Upper

142 100

127 61.8 55.4 83.0

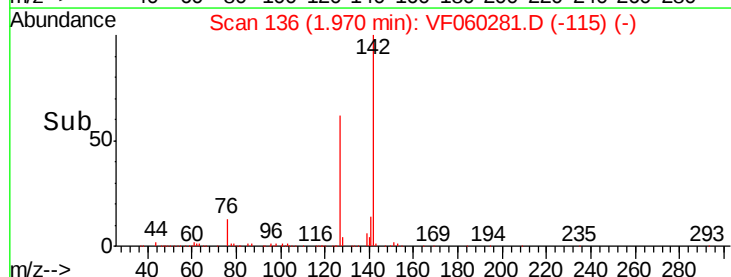
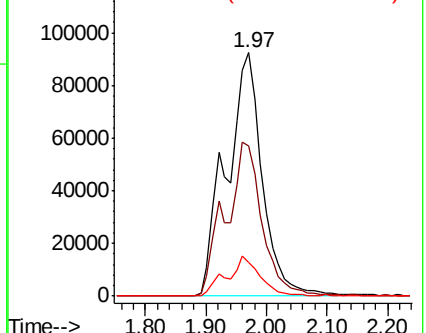
141 13.9 13.3 19.9

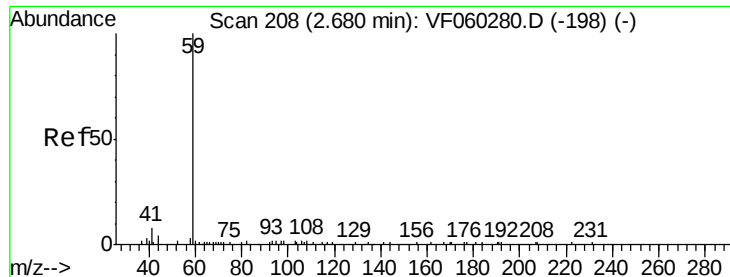


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



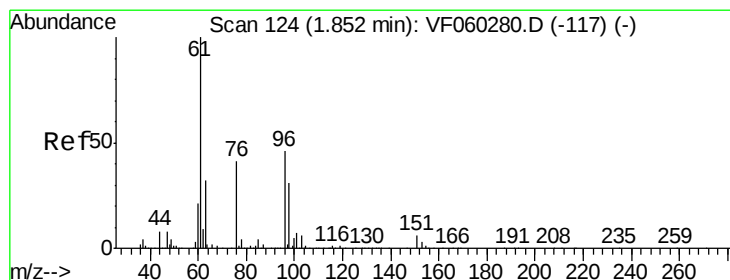
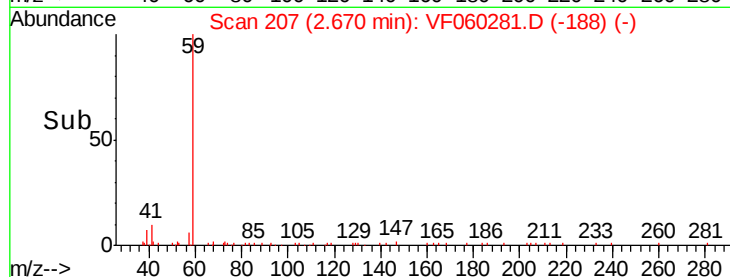
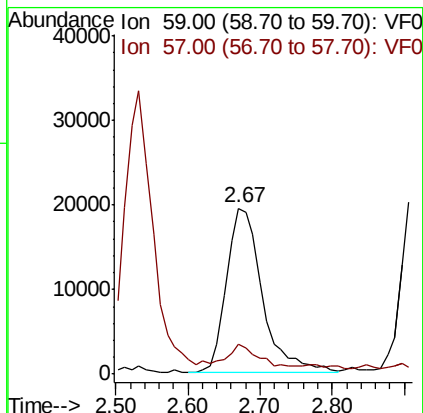
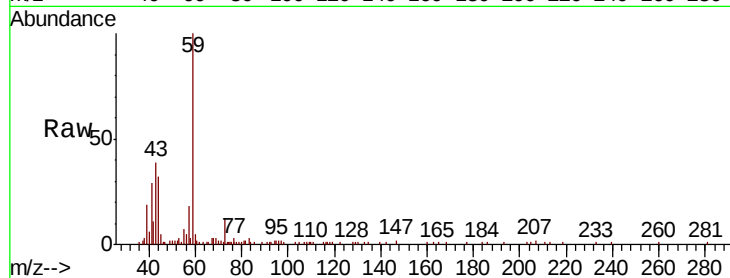


#11

Tert butyl alcohol
 Concen: 285.299 ug/l
 RT: 2.67 min Scan# 207
 Delta R.T. -0.01 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

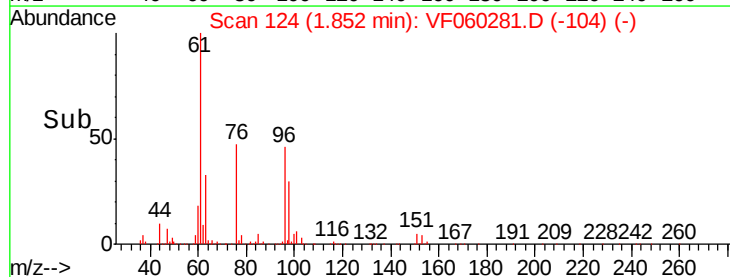
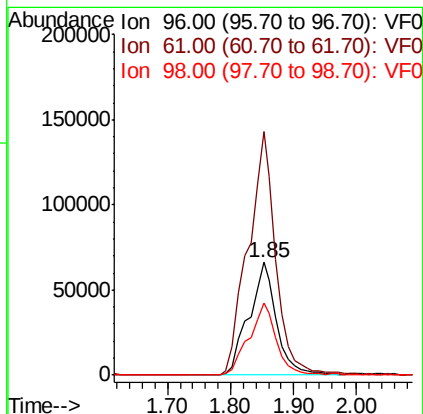
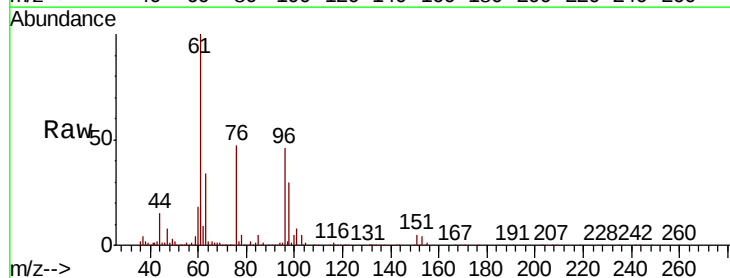
Tgt Ion: 59 Resp: 67008
 Ion Ratio Lower Upper
 59 100
 57 18.0 12.4 18.6

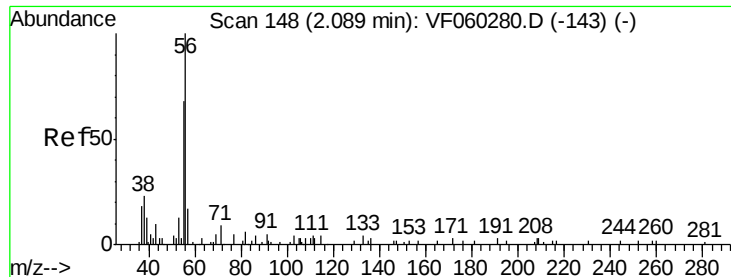


#12

1,1-Dichloroethene
 Concen: 64.207 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion: 96 Resp: 199929
 Ion Ratio Lower Upper
 96 100
 61 215.5 172.2 258.2
 98 63.9 54.1 81.1





#13

Acrolein

Concen: 206.203 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

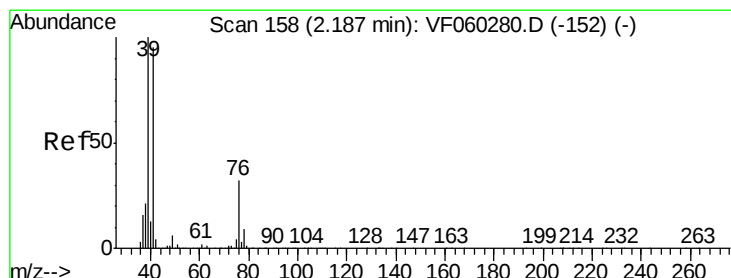
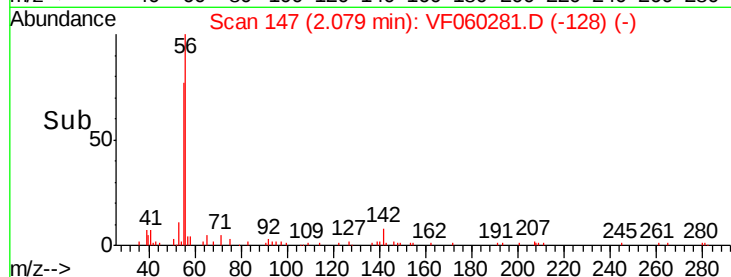
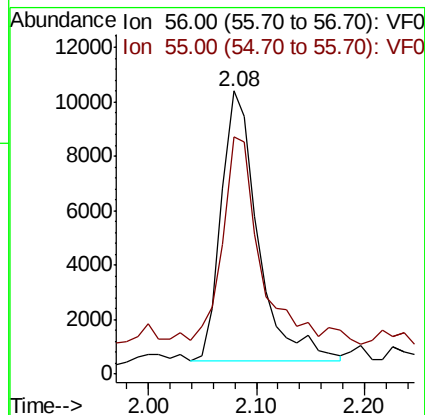
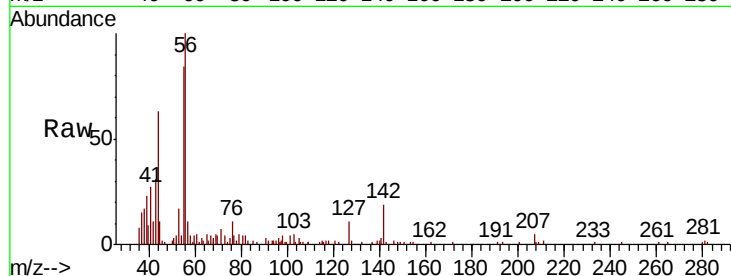
VSTDIC075

Tgt Ion: 56 Resp: 23673

Ion Ratio Lower Upper

56 100

55 83.9 69.9 104.9



#14

Allyl chloride

Concen: 60.533 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

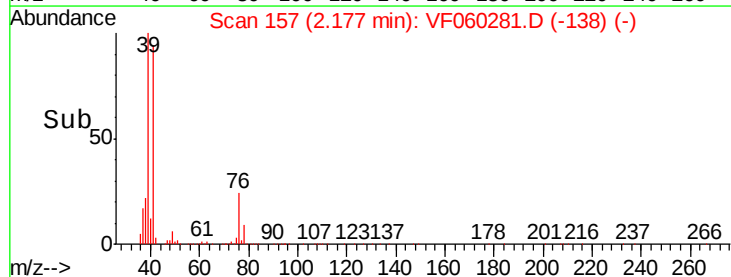
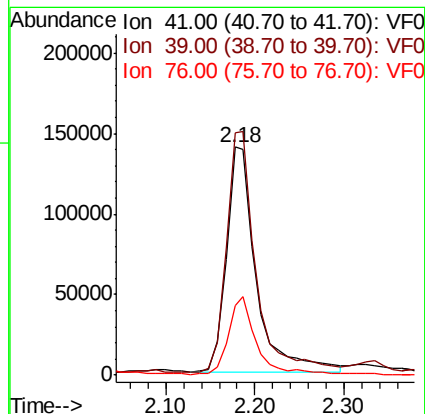
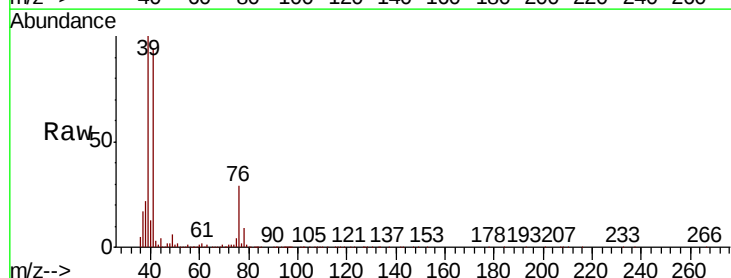
Tgt Ion: 41 Resp: 328918

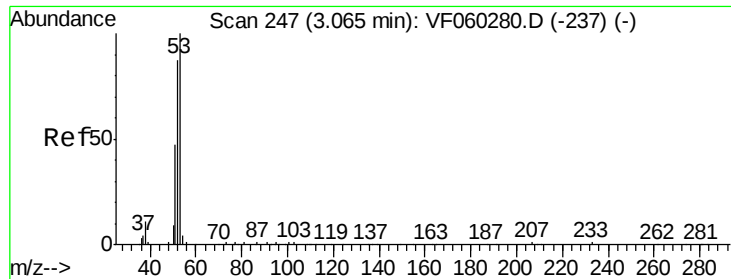
Ion Ratio Lower Upper

41 100

39 106.2 84.8 127.2

76 30.6 27.4 41.2





#15

Acrylonitrile

Concen: 321.802 ug/l

RT: 3.06 min Scan# 247

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

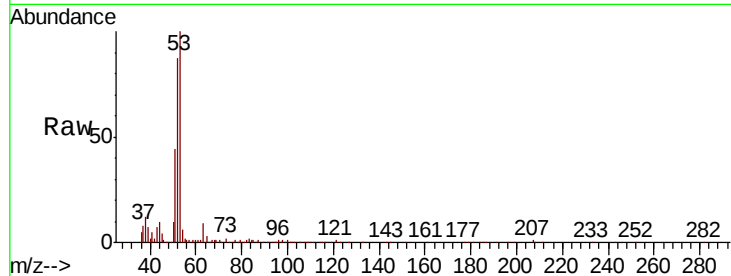
Tgt Ion: 53 Resp: 167455

Ion Ratio Lower Upper

53 100

52 87.1 69.5 104.3

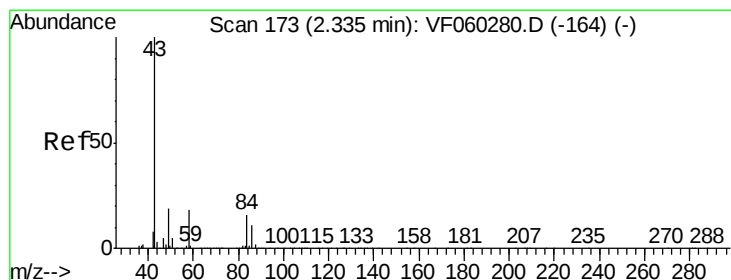
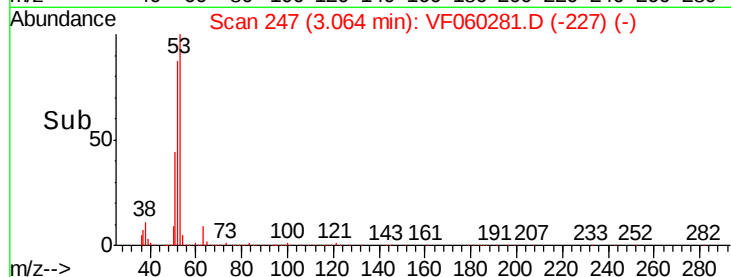
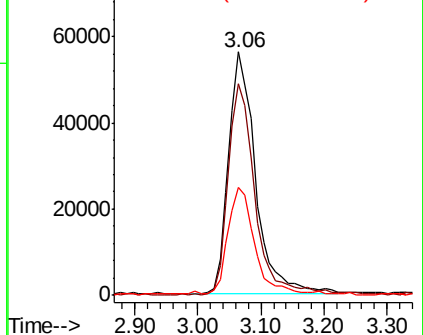
51 44.3 38.1 57.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 320.538 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060281.D

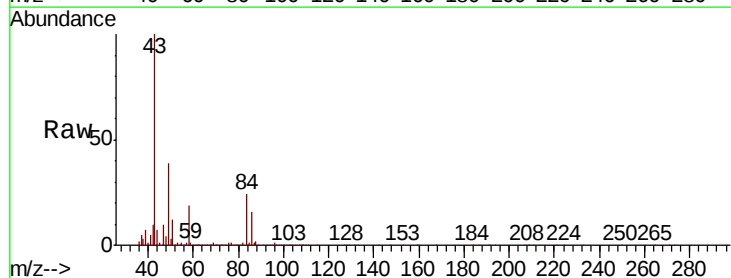
Acq: 19 Sep 2018 14:42

Tgt Ion: 43 Resp: 332595

Ion Ratio Lower Upper

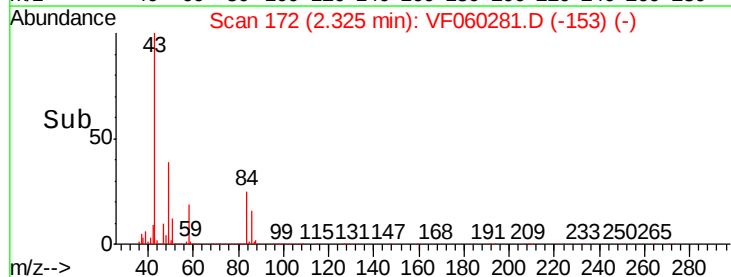
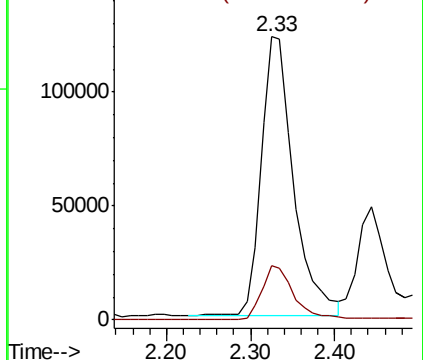
43 100

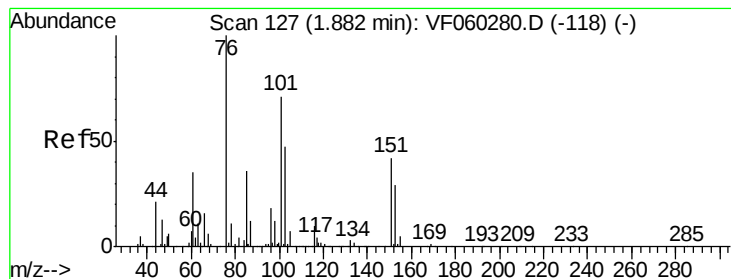
58 19.2 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 58.671 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

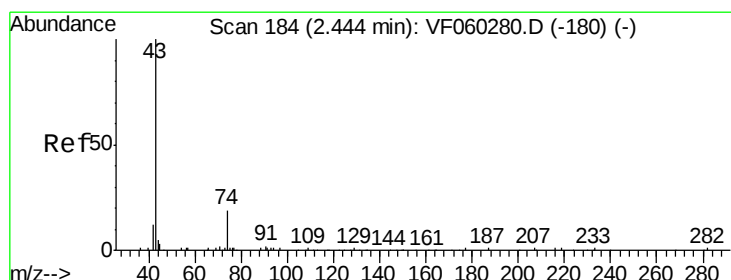
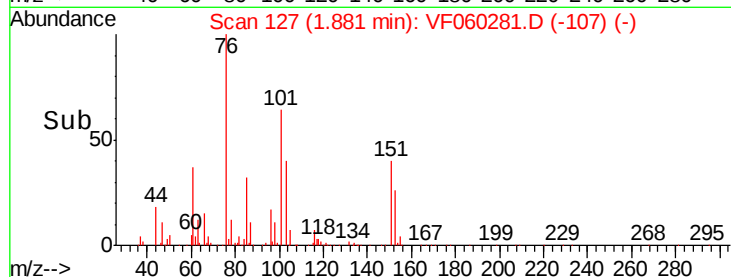
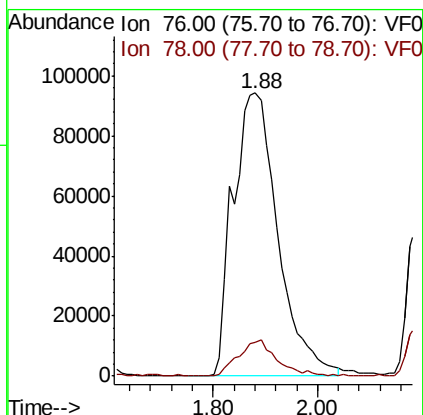
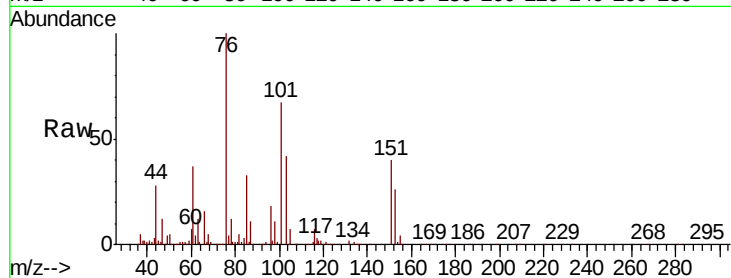
VSTDIC075

Tgt Ion: 76 Resp: 551372

Ion Ratio Lower Upper

76 100

78 12.1 9.4 14.0



#18

Methyl Acetate

Concen: 58.614 ug/l

RT: 2.44 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF060281.D

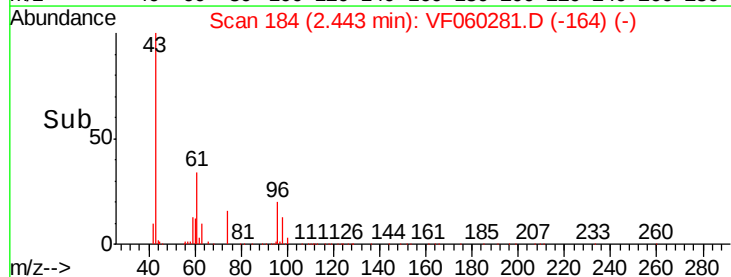
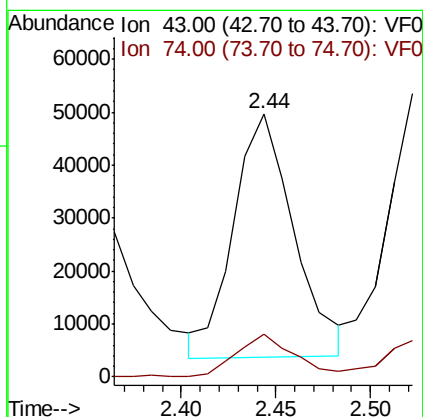
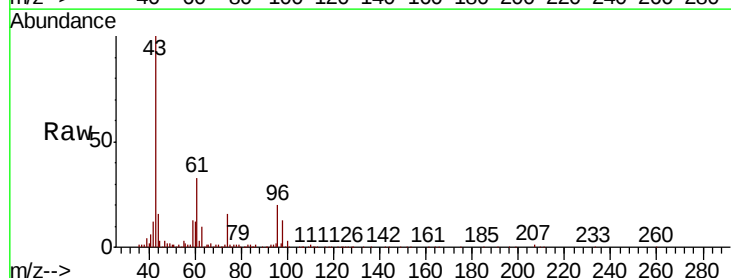
Acq: 19 Sep 2018 14:42

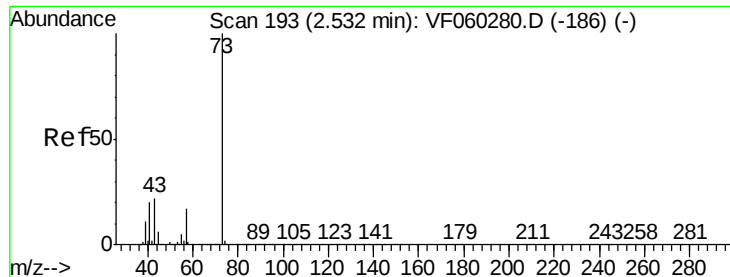
Tgt Ion: 43 Resp: 101319

Ion Ratio Lower Upper

43 100

74 16.3 12.7 19.1



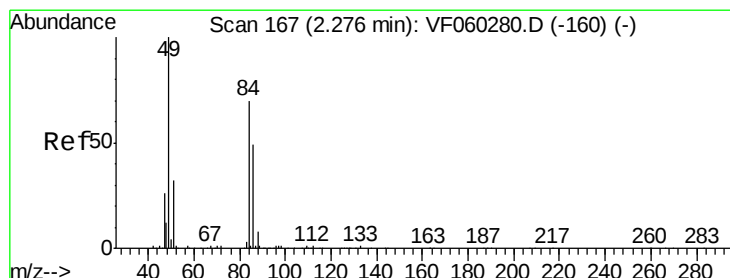
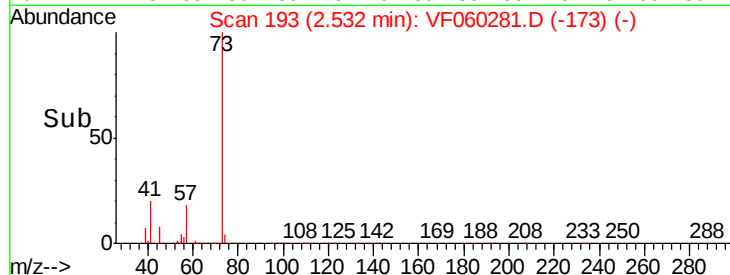
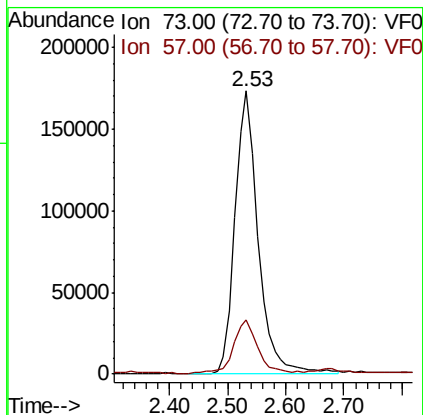
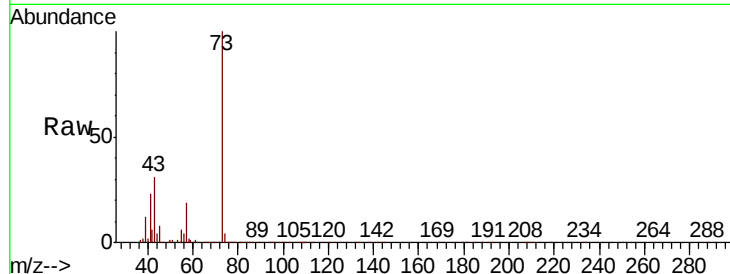


#19

Methyl tert-butyl Ether
Concen: 61.986 ug/l
RT: 2.53 min Scan# 193
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

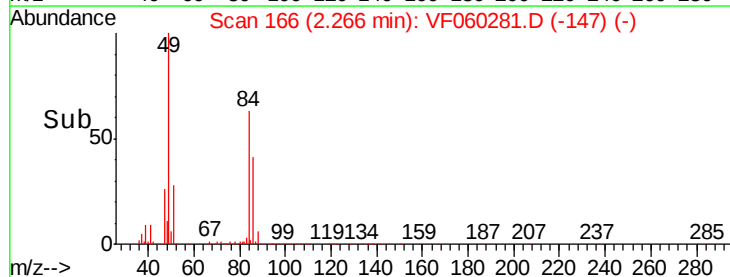
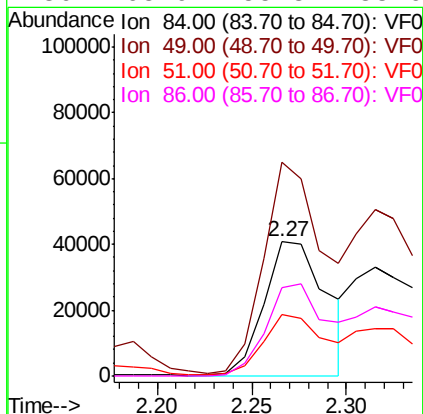
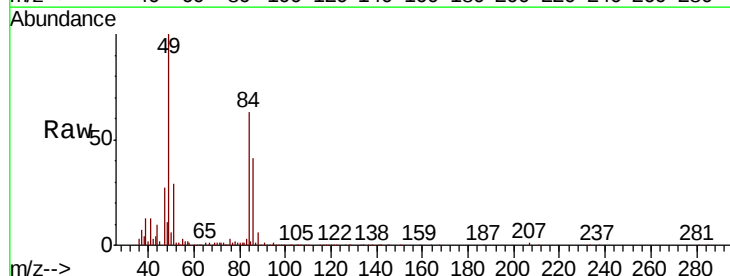
Tgt Ion: 73 Resp: 481170
Ion Ratio Lower Upper
73 100
57 19.3 14.5 21.7

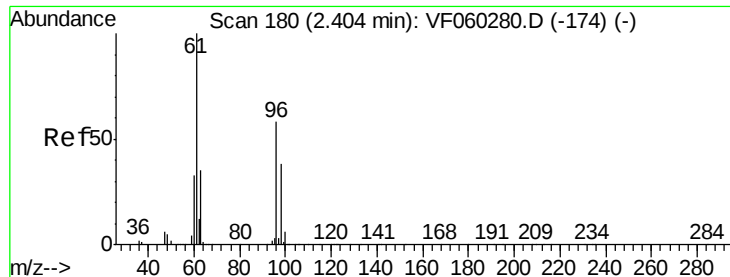


#20

Methylene Chloride
Concen: 25.554 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion: 84 Resp: 94254
Ion Ratio Lower Upper
84 100
49 159.5 118.3 177.5
51 45.5 38.7 58.1
86 65.9 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 61.356 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

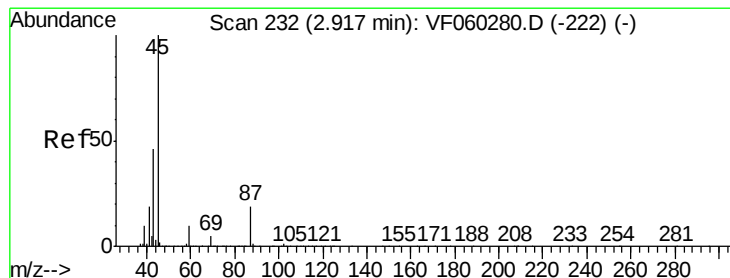
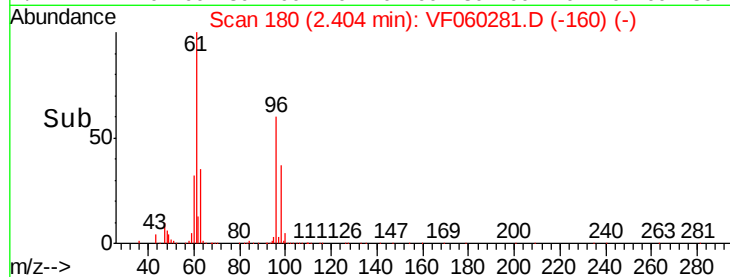
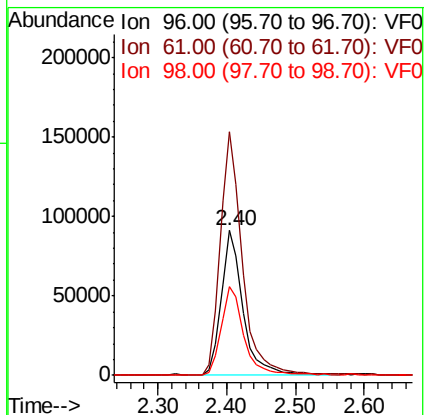
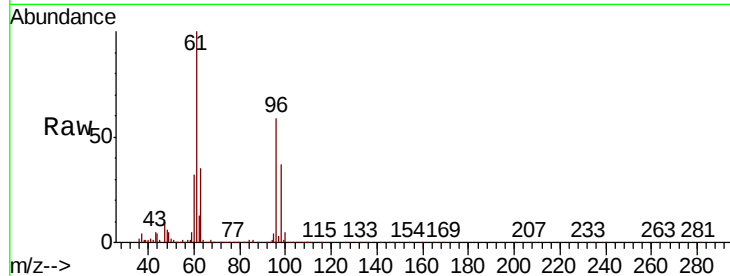
Tgt Ion: 96 Resp: 197325

Ion Ratio Lower Upper

96 100

61 168.1 136.4 204.6

98 61.7 51.8 77.6



#22

Diisopropyl ether

Concen: 65.094 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion: 45 Resp: 667352

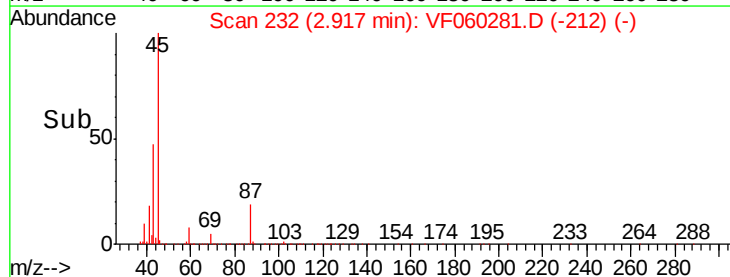
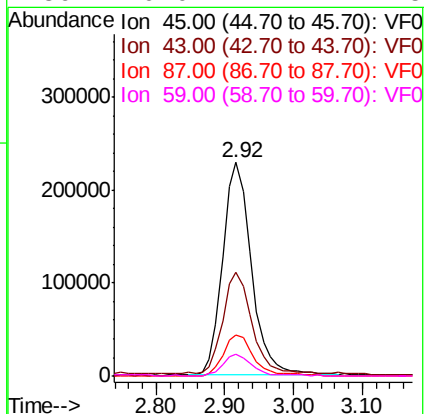
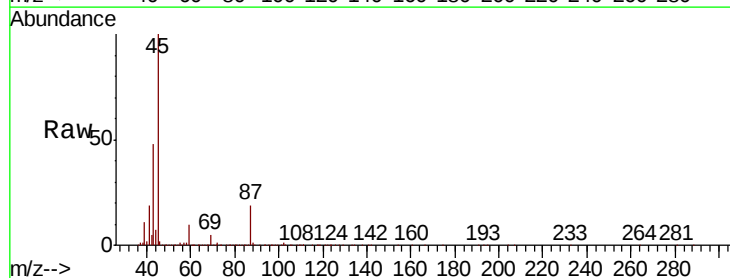
Ion Ratio Lower Upper

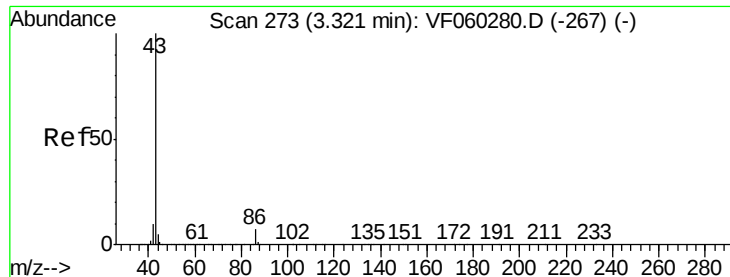
45 100

43 48.4 38.2 57.2

87 19.0 15.5 23.3

59 10.0 7.7 11.5





#23

Vinyl Acetate

Concen: 316.211 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

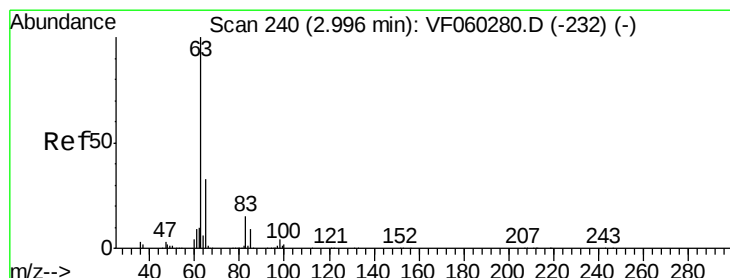
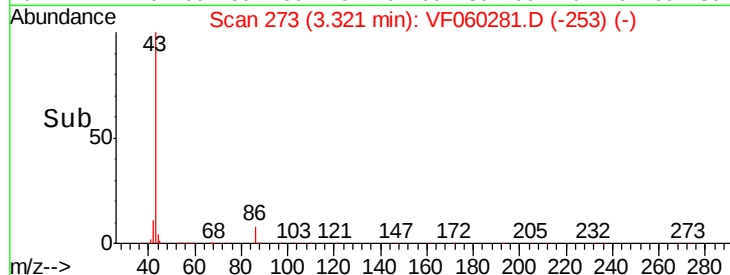
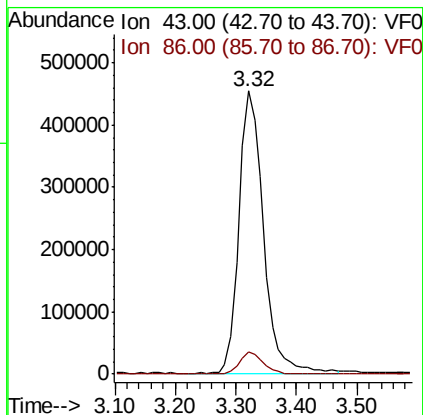
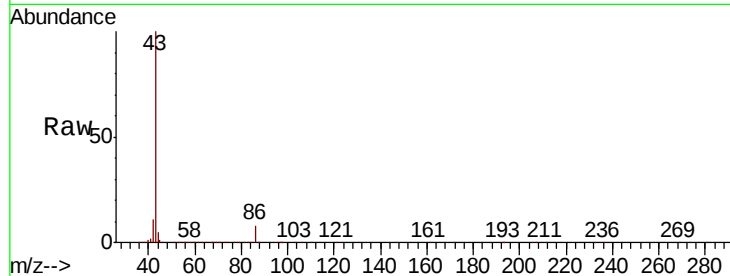
VSTDIC075

Tgt Ion: 43 Resp: 1273225

Ion Ratio Lower Upper

43 100

86 8.1 5.9 8.9



#24

1,1-Dichloroethane

Concen: 63.737 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

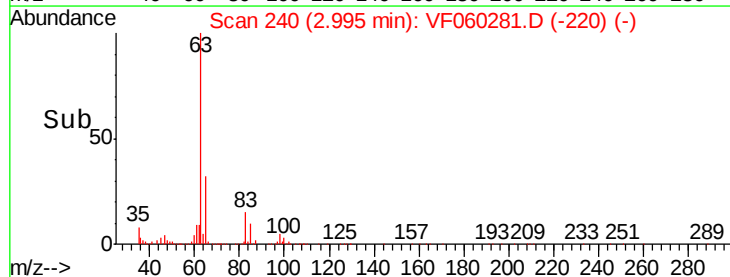
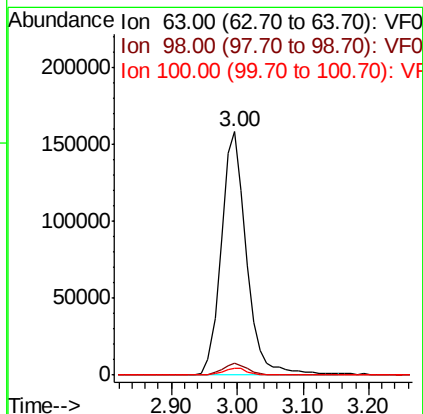
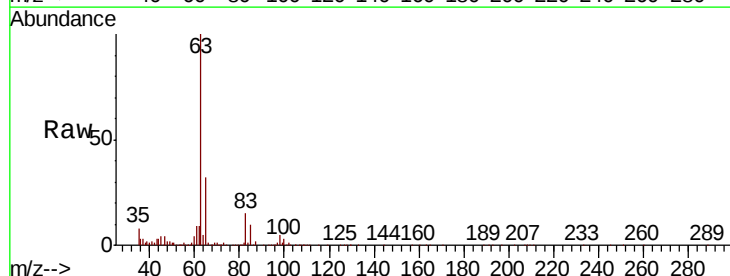
Tgt Ion: 63 Resp: 423775

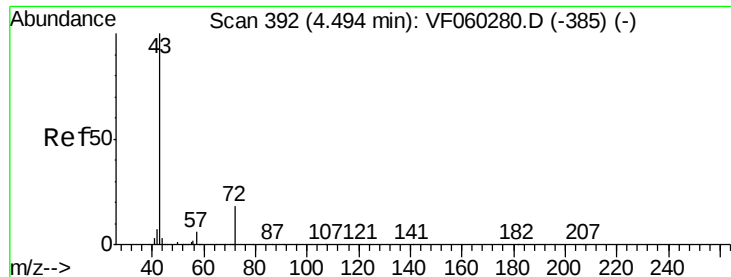
Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

100 3.0 1.1 3.3





#25

2-Butanone

Concen: 315.020 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

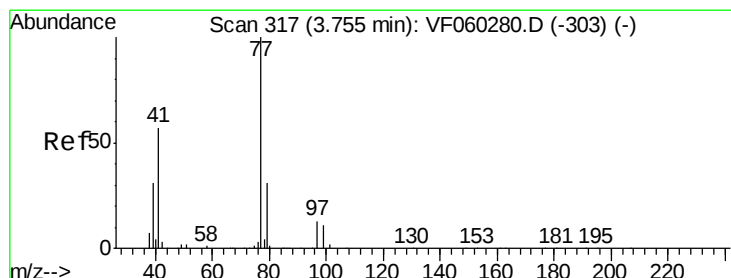
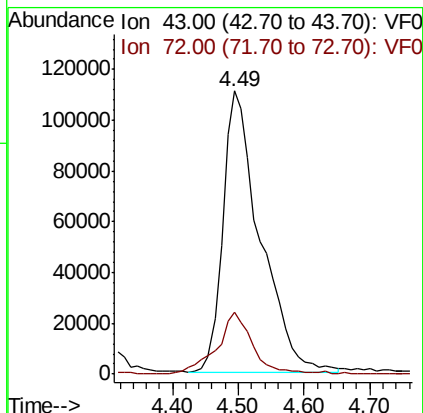
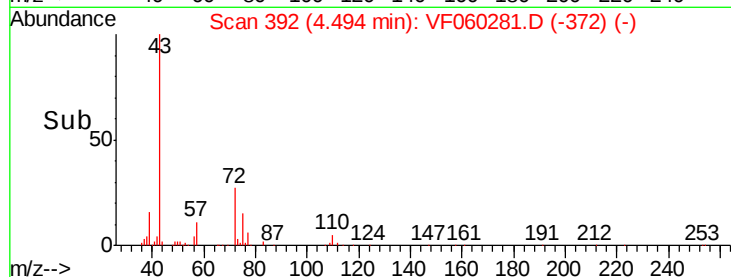
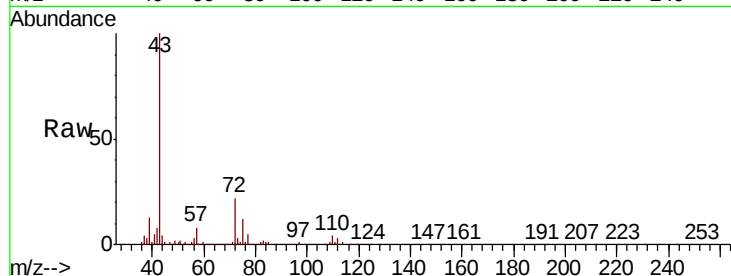
VSTDIC075

Tgt Ion: 43 Resp: 439965

Ion Ratio Lower Upper

43 100

72 21.8 16.2 24.2



#26

2,2-Dichloropropane

Concen: 62.611 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.00 min

Lab File: VF060281.D

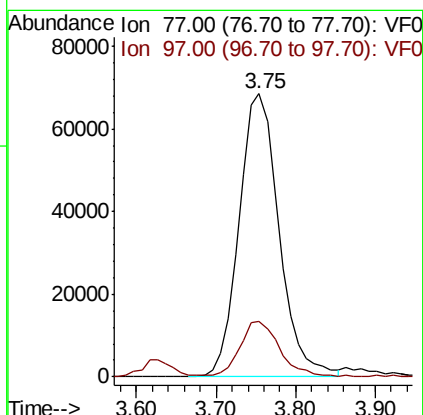
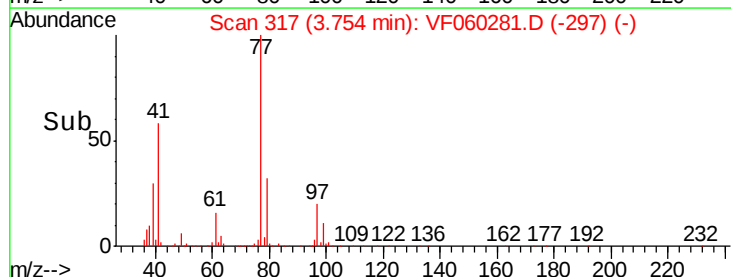
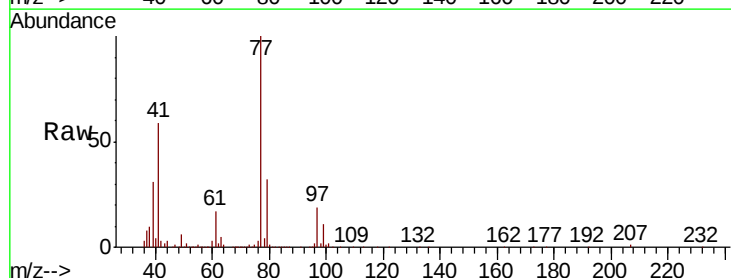
Acq: 19 Sep 2018 14:42

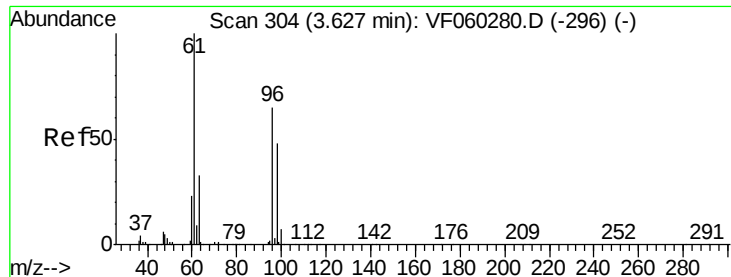
Tgt Ion: 77 Resp: 237528

Ion Ratio Lower Upper

77 100

97 19.5 9.3 27.9



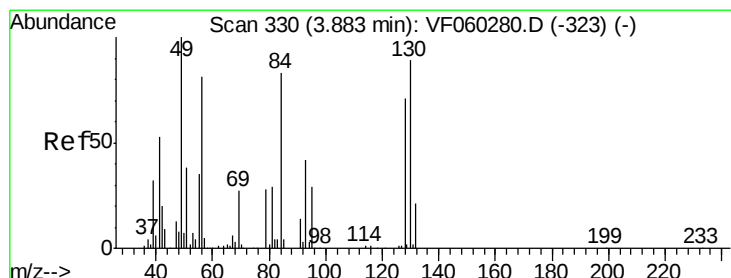
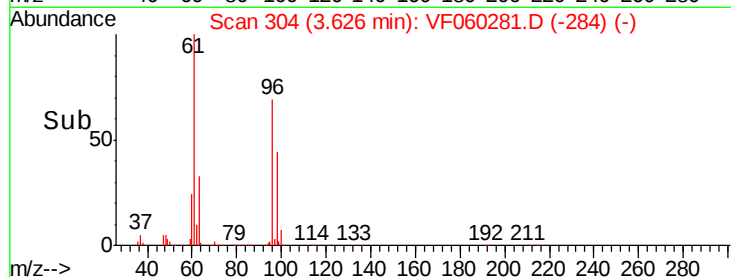
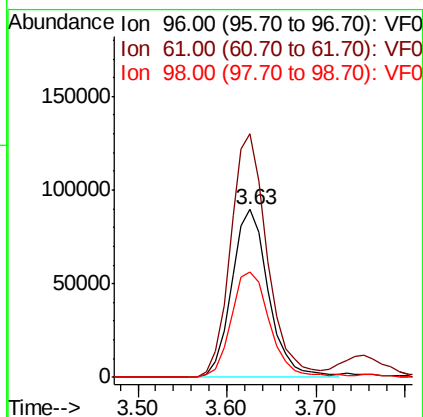
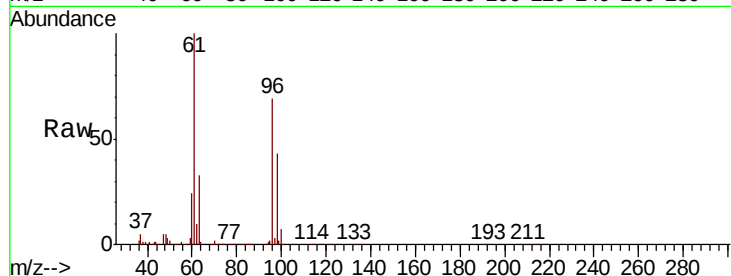


#27

cis-1,2-Dichloroethene
 Concen: 61.418 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

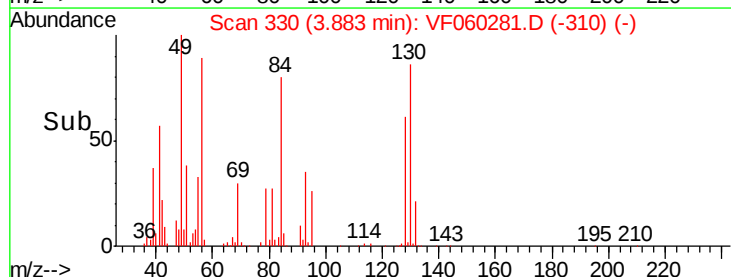
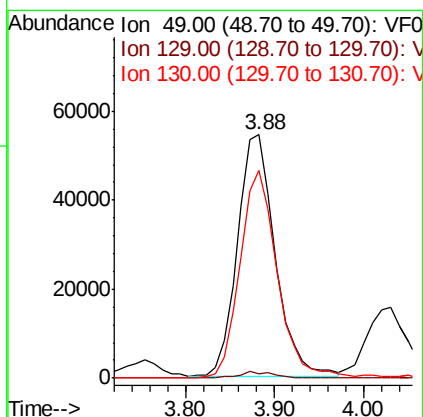
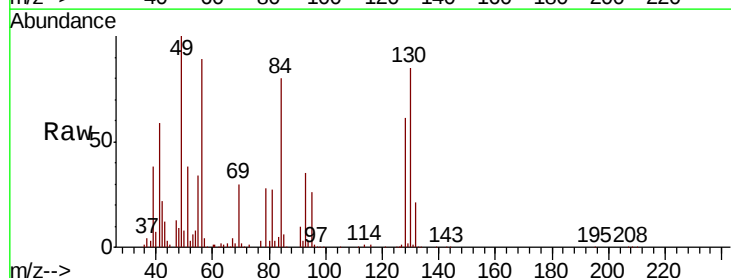
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	304.8
98	63.1	0.0	146.4

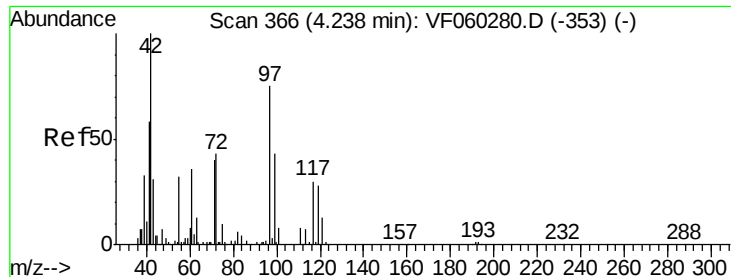


#28

Bromochloromethane
 Concen: 61.283 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	85.3	70.3	105.5

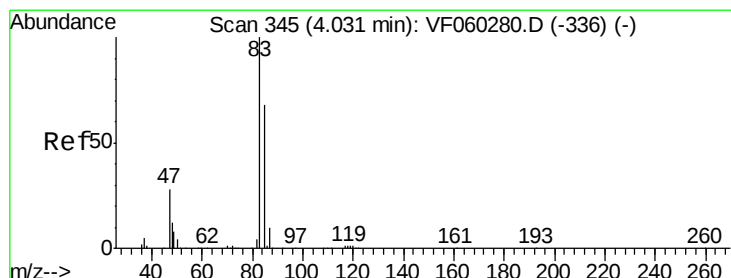
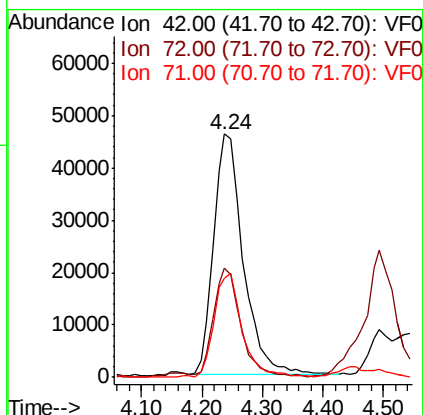
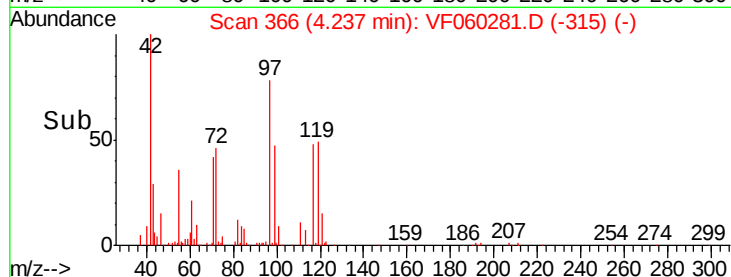
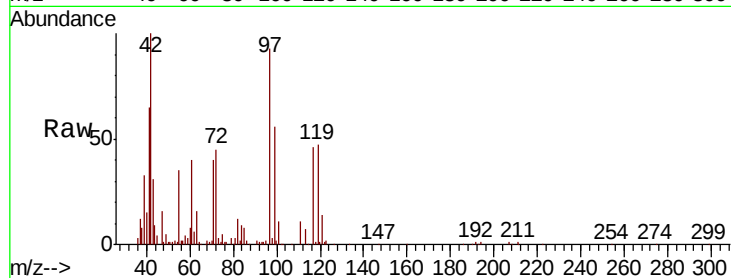




#29
Tetrahydrofuran
Concen: 306.099 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

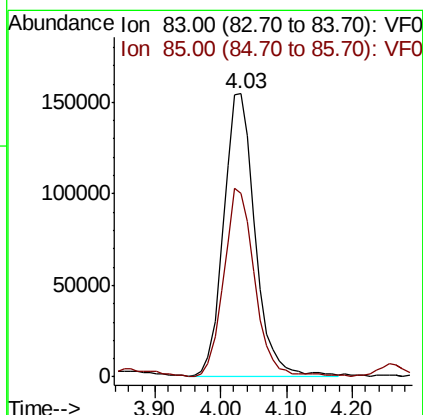
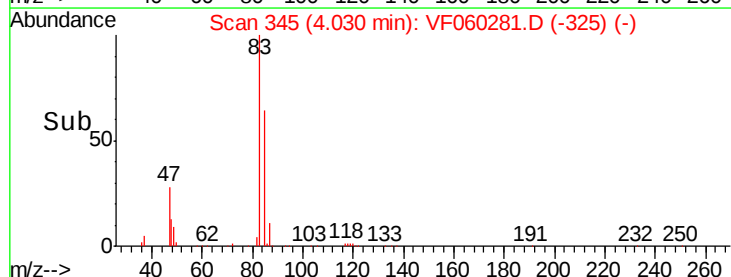
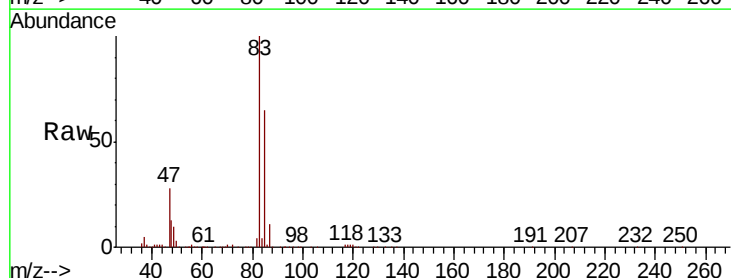
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

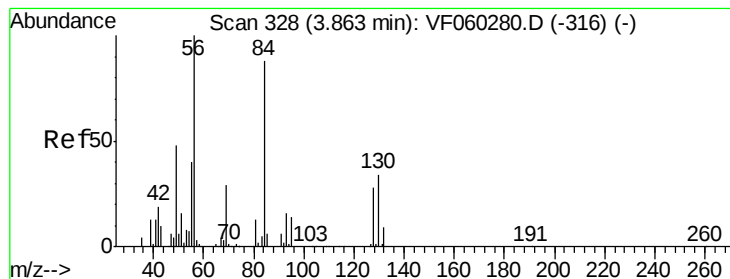
Tgt Ion: 42 Resp: 156554
Ion Ratio Lower Upper
42 100
72 41.3 32.6 49.0
71 41.3 32.7 49.1



#30
Chloroform
Concen: 64.167 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion: 83 Resp: 514783
Ion Ratio Lower Upper
83 100
85 64.7 54.9 82.3





#31

Cyclohexane

Concen: 61.556 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

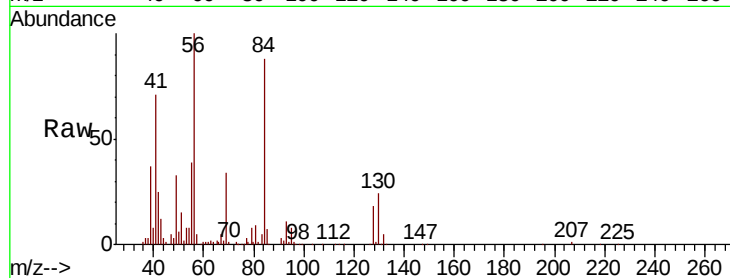
Tgt Ion: 56 Resp: 345701

Ion Ratio Lower Upper

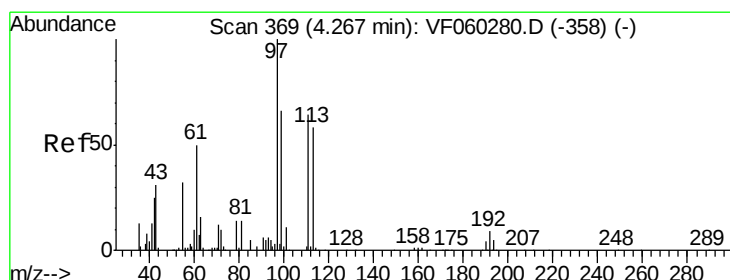
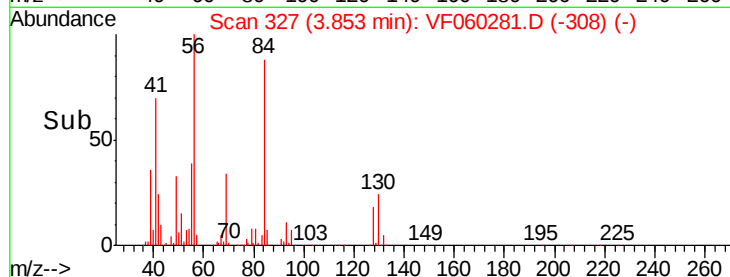
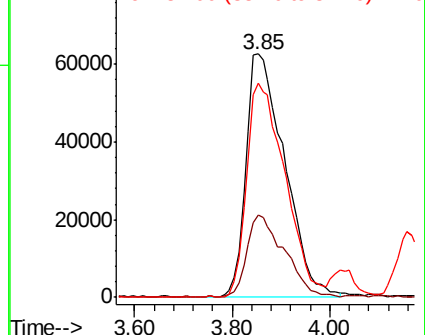
56 100

69 33.8 23.8 35.6

84 87.8 70.2 105.4



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



#32

1,1,1-Trichloroethane

Concen: 63.598 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

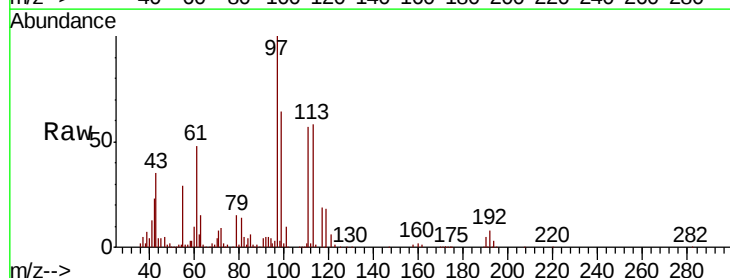
Tgt Ion: 97 Resp: 402592

Ion Ratio Lower Upper

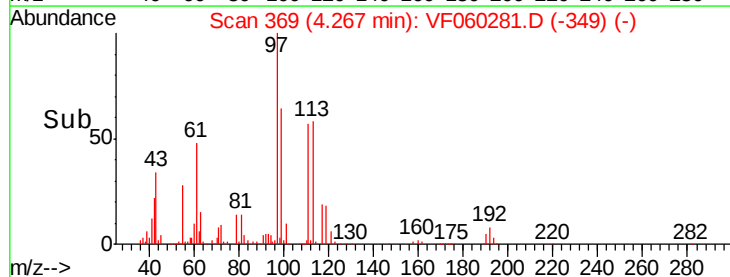
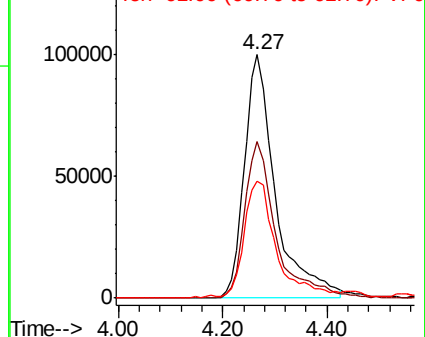
97 100

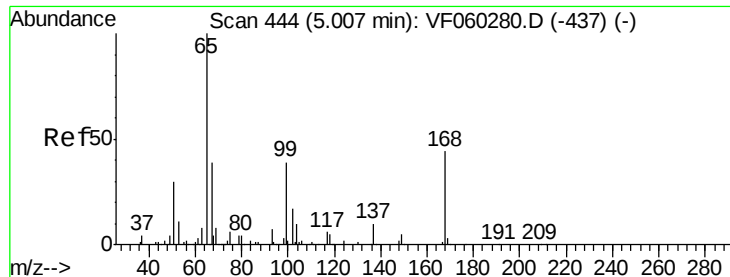
99 64.1 53.0 79.4

61 48.2 40.6 61.0



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





#33

1,2-Dichloroethane-d4

Concen: 61.385 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

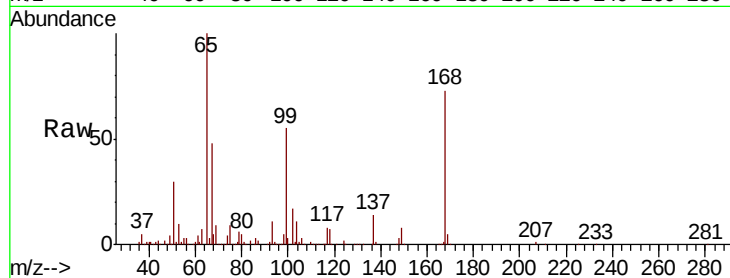
VSTDIC075

Tgt Ion: 65 Resp: 226168

Ion Ratio Lower Upper

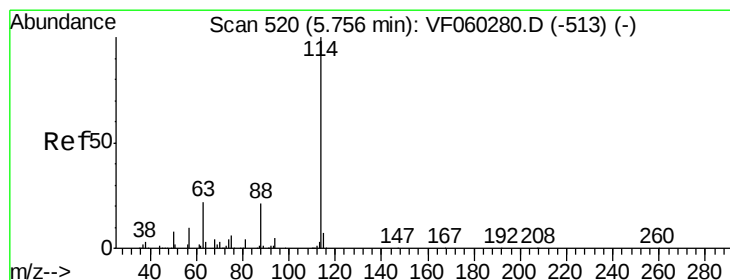
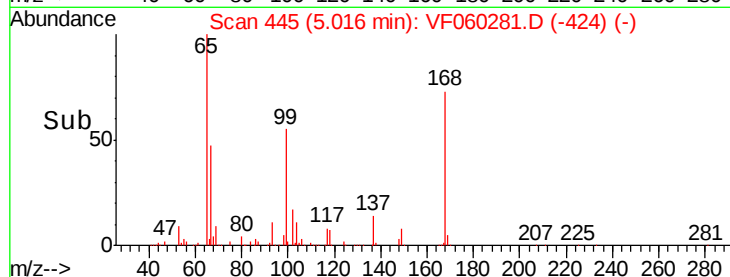
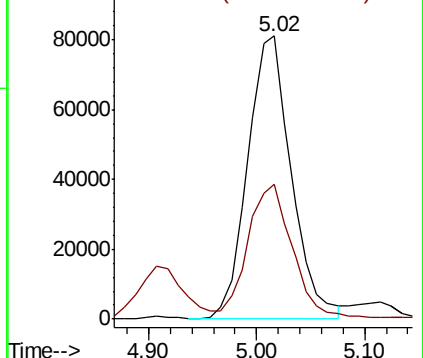
65 100

67 47.6 0.0 94.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

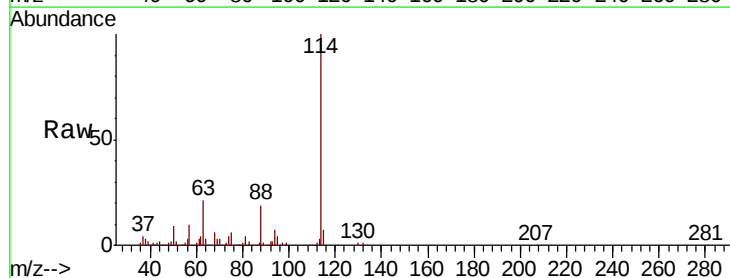
Tgt Ion: 114 Resp: 448660

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

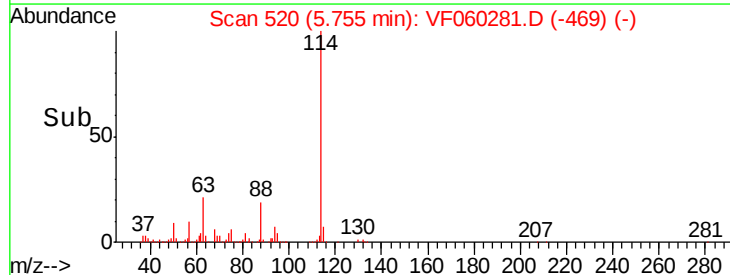
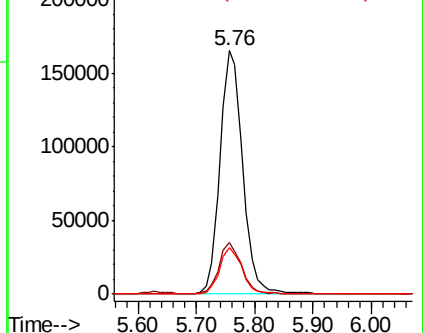
88 18.9 0.0 41.2

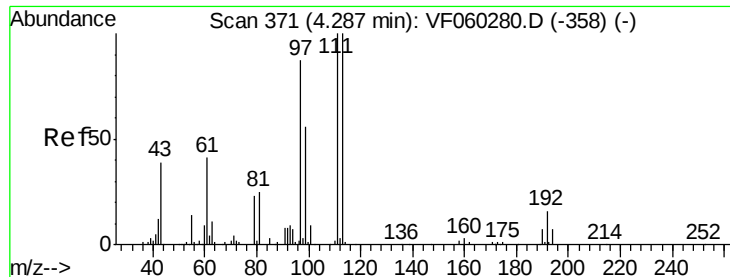


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 62.944 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

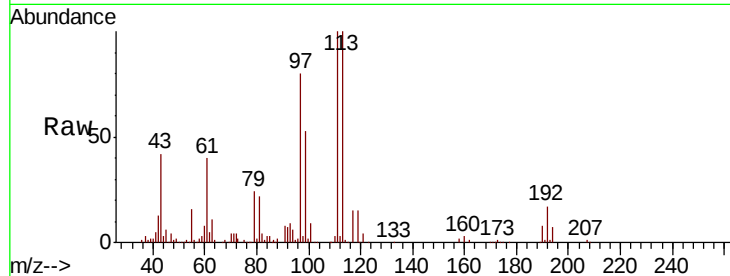
Tgt Ion:113 Resp: 251743

Ion Ratio Lower Upper

113 100

111 99.7 79.6 119.4

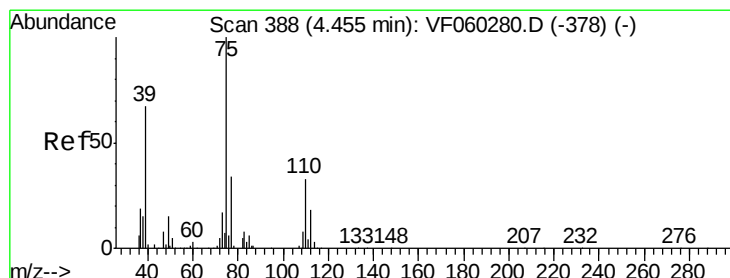
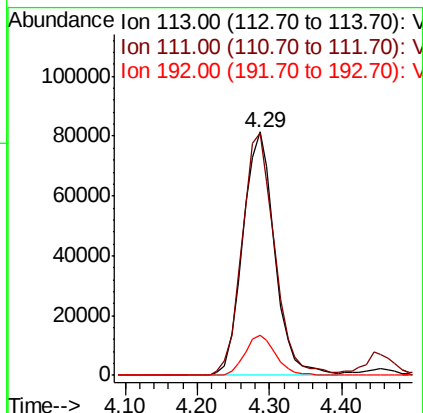
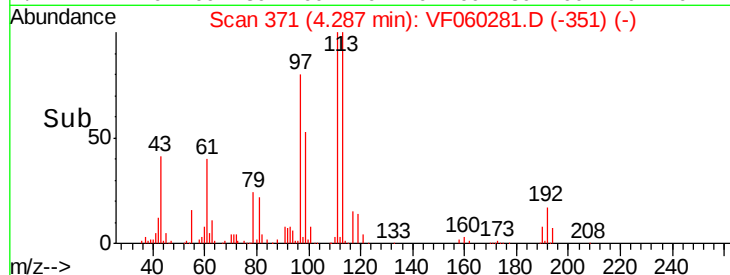
192 16.7 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 63.873 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

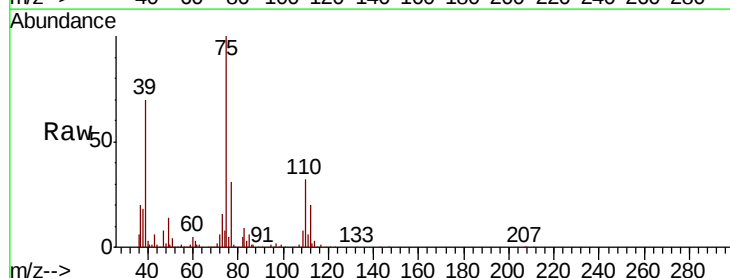
Tgt Ion: 75 Resp: 357461

Ion Ratio Lower Upper

75 100

110 31.7 16.4 49.2

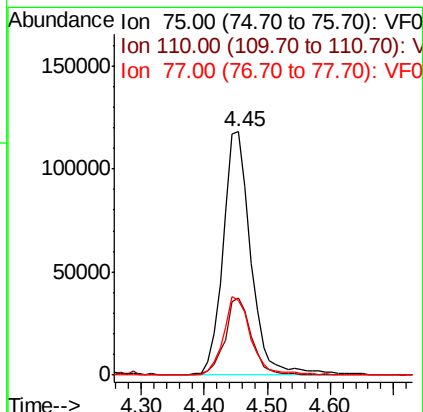
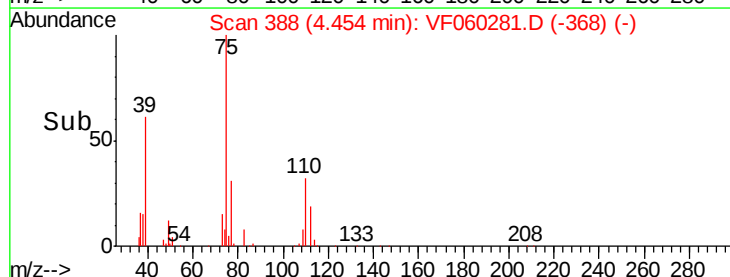
77 30.7 27.3 40.9

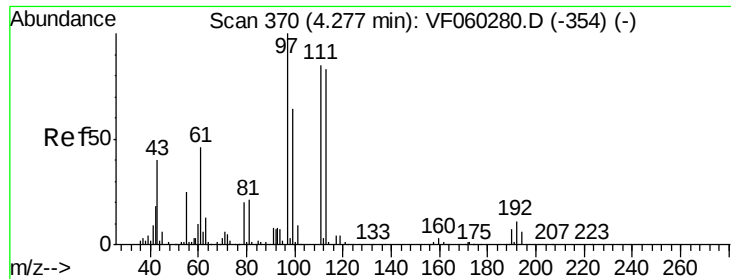


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

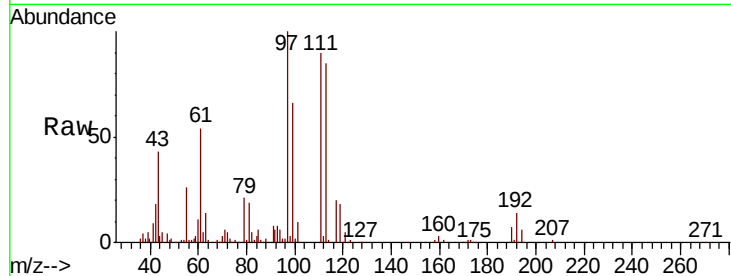




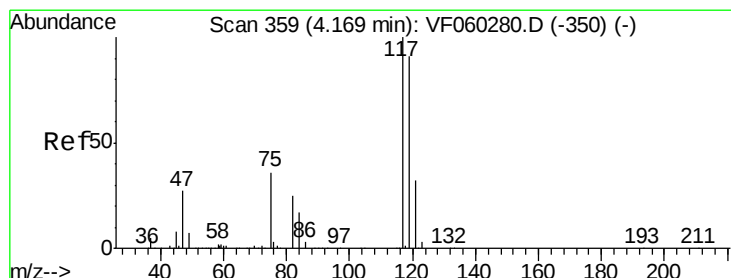
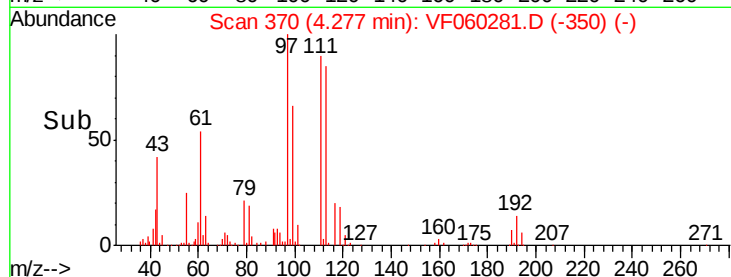
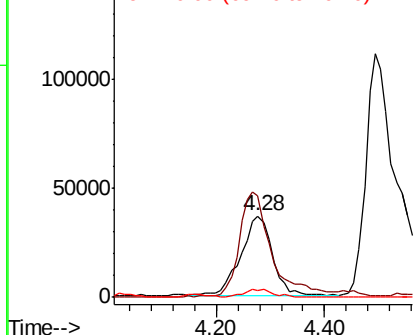
#37
 Ethyl Acetate
 Concen: 62.601 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion: 43 Resp: 148239
 Ion Ratio Lower Upper
 43 100
 61 125.1 91.1 136.7
 70 8.1 6.9 10.3

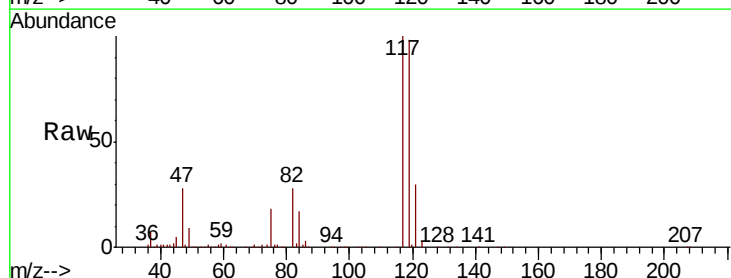


Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 70.00 (69.70 to 70.70): VF0

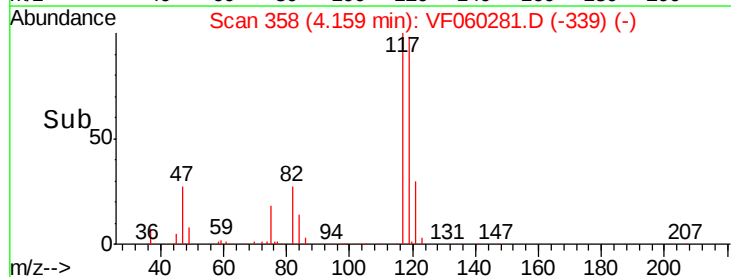
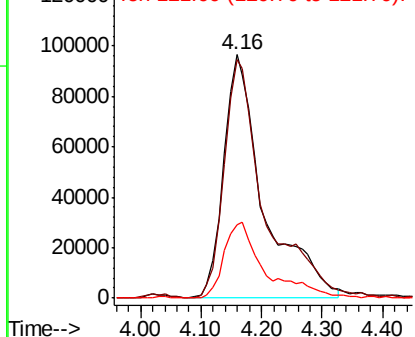


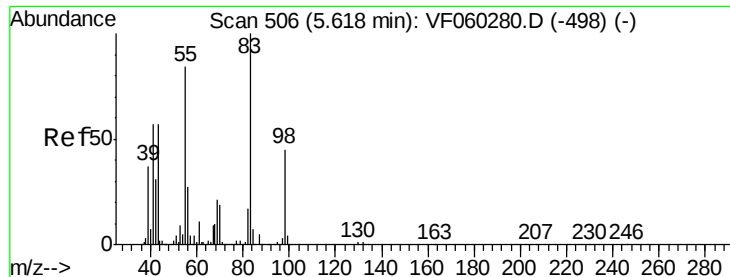
#38
 Carbon Tetrachloride
 Concen: 68.843 ug/l
 RT: 4.16 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion: 117 Resp: 439626
 Ion Ratio Lower Upper
 117 100
 119 97.8 73.0 109.6
 121 30.1 25.4 38.2



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

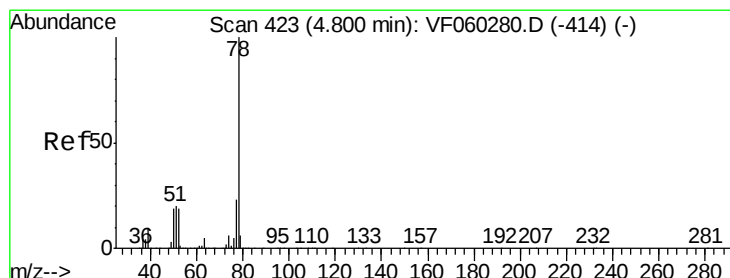
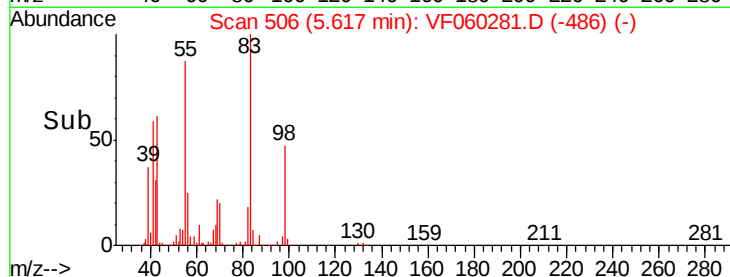
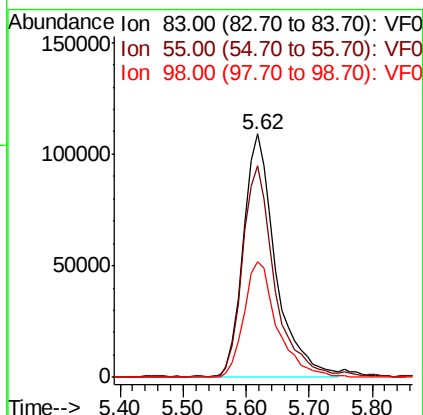
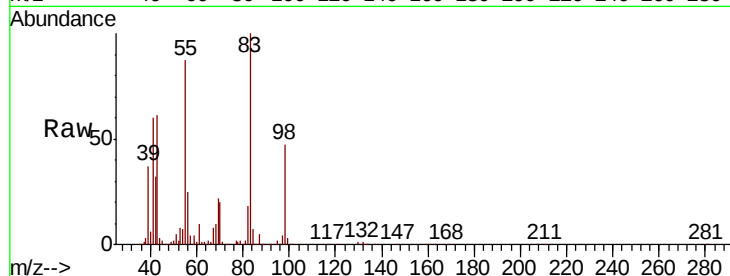




#39
Methylcyclohexane
Concen: 64.333 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

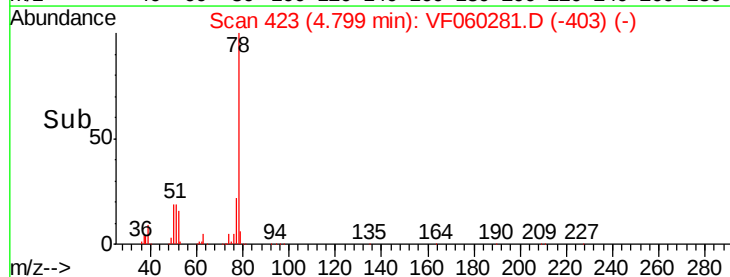
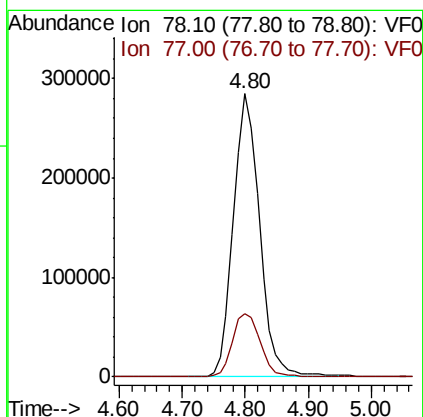
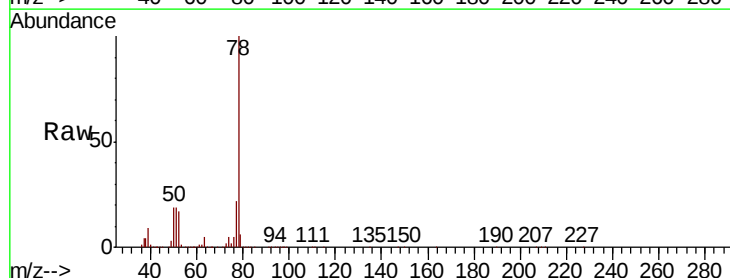
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

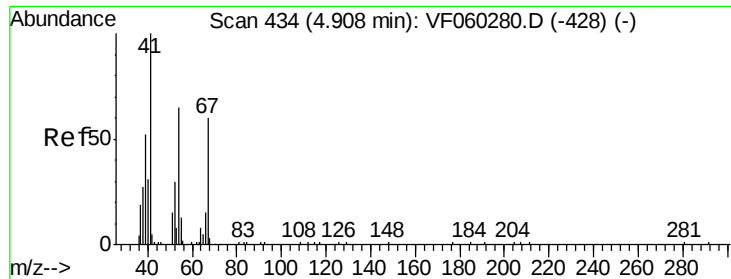
Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.9	67.3	100.9
98	47.5	36.1	54.1



#40
Benzene
Concen: 64.622 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.4	27.6

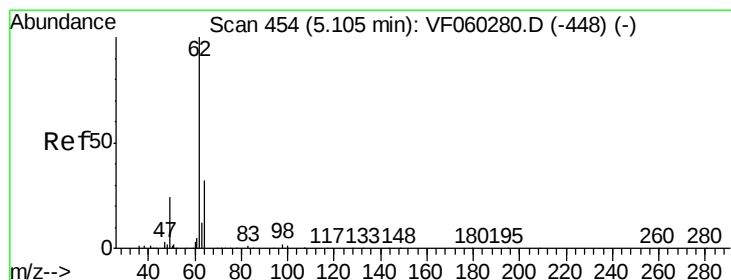
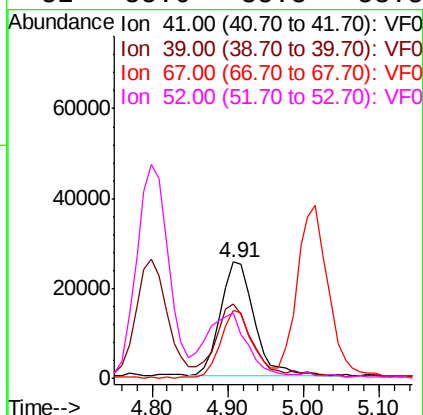
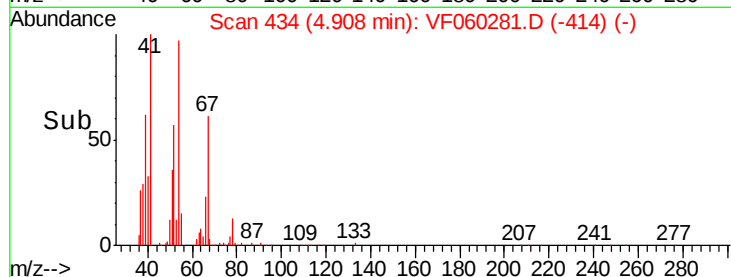
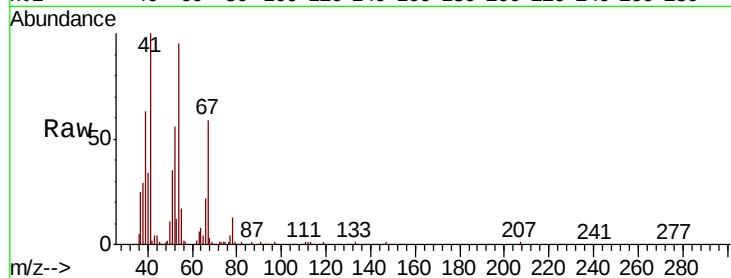




#41
Methacrylonitrile
Concen: 61.434 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

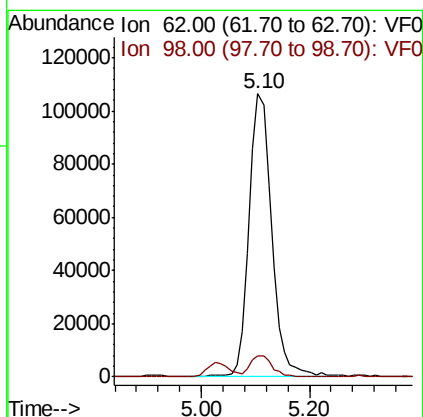
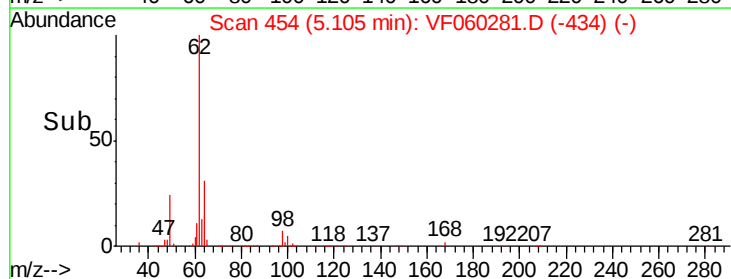
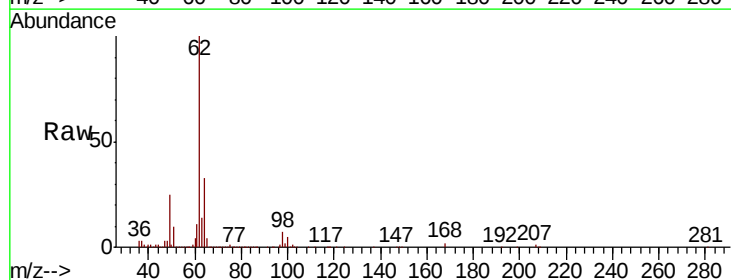
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

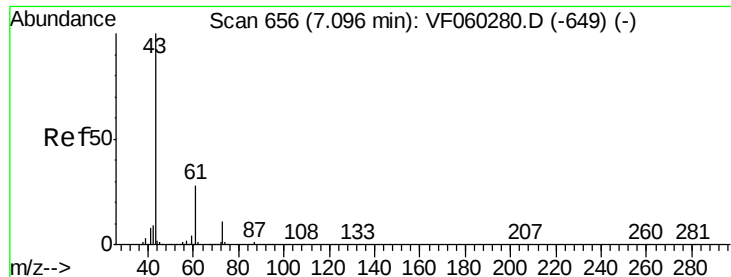
Tgt Ion:	41	Resp:	78938
Ion	Ratio	Lower	Upper
41	100		
39	63.5	49.1	73.7
67	58.8	48.2	72.4
52	55.6	35.8	53.8#



#42
1,2-Dichloroethane
Concen: 66.654 ug/l
RT: 5.10 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion:	62	Resp:	311328
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.4





#43

Isopropyl Acetate

Concen: 65.285 ug/l

RT: 7.11 min Scan# 657

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

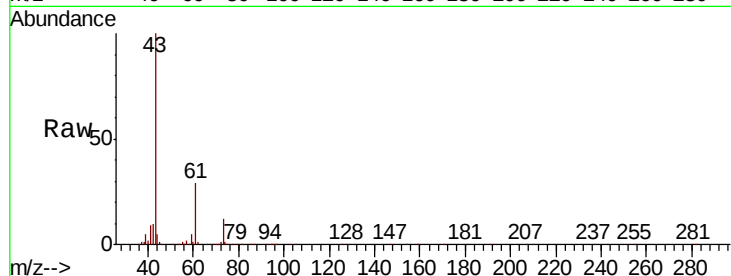
Tgt Ion: 43 Resp: 186111

Ion Ratio Lower Upper

43 100

61 29.2 22.4 33.6

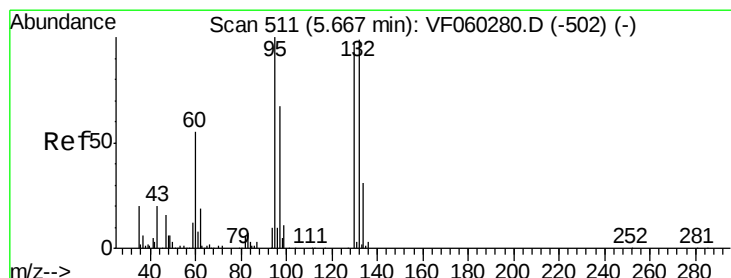
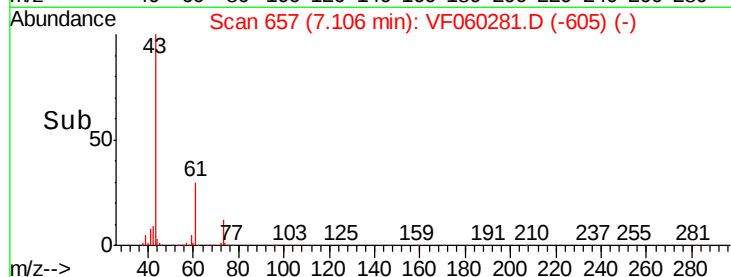
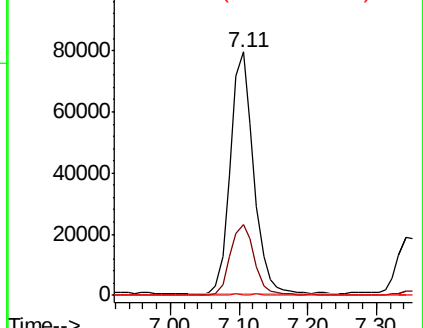
87 0.2 0.6 0.8#



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: 66.468 ug/l

RT: 5.67 min Scan# 511

Delta R.T. -0.00 min

Lab File: VF060281.D

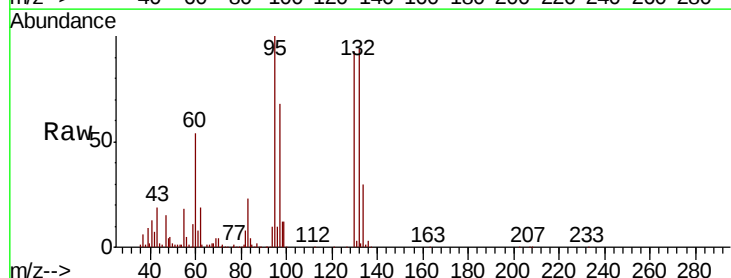
Acq: 19 Sep 2018 14:42

Tgt Ion: 130 Resp: 251020

Ion Ratio Lower Upper

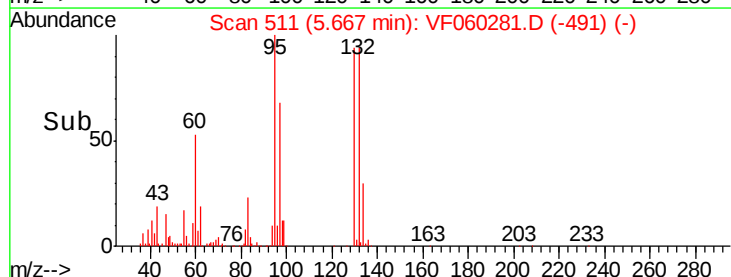
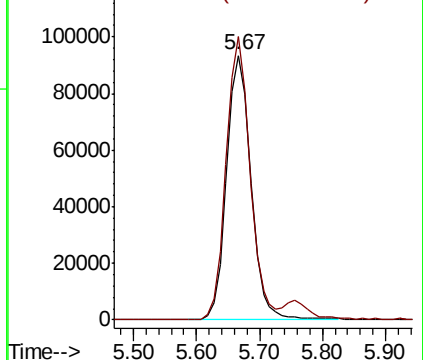
130 100

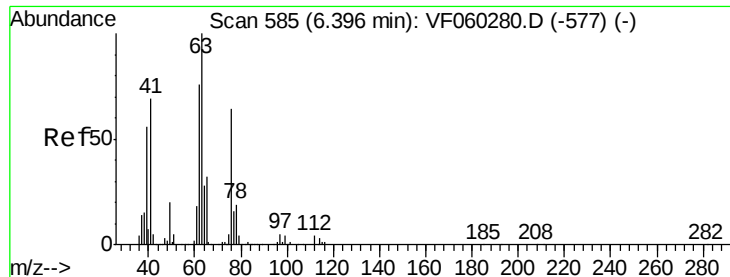
95 107.0 0.0 205.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 66.196 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

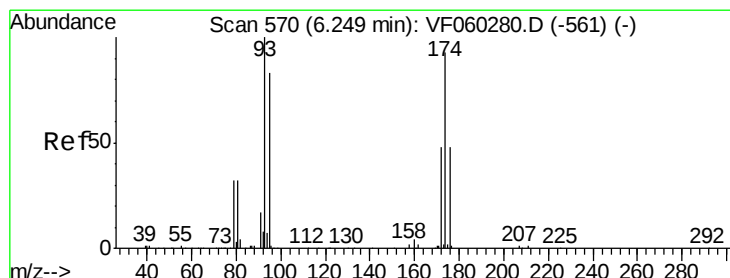
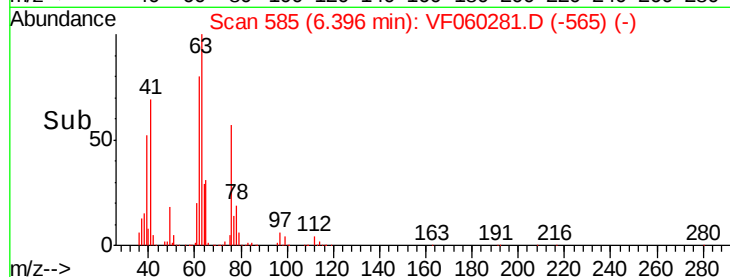
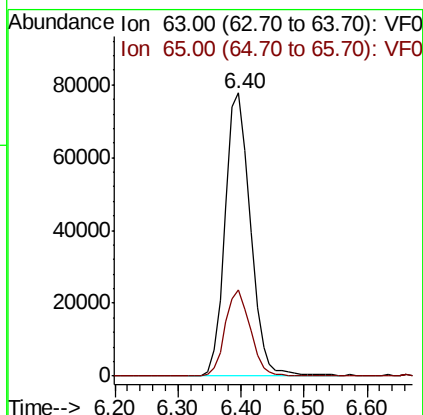
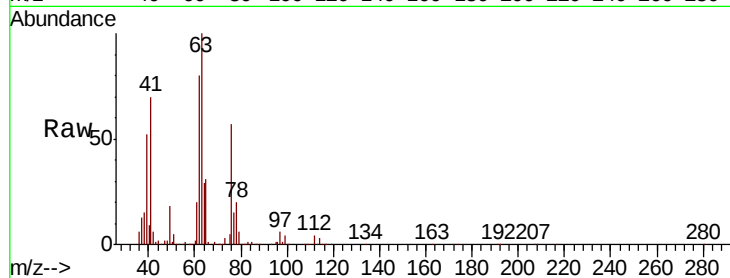
VSTDIC075

Tgt Ion: 63 Resp: 217401

Ion Ratio Lower Upper

63 100

65 30.7 26.2 39.4



#46

Dibromomethane

Concen: 66.488 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

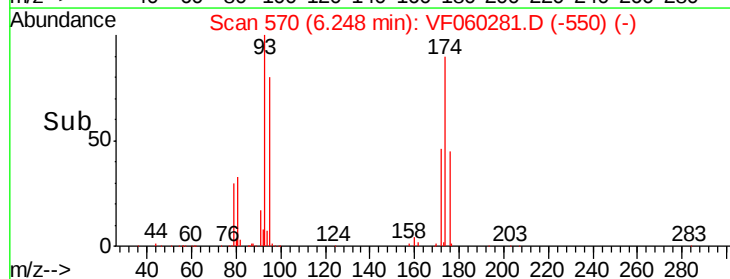
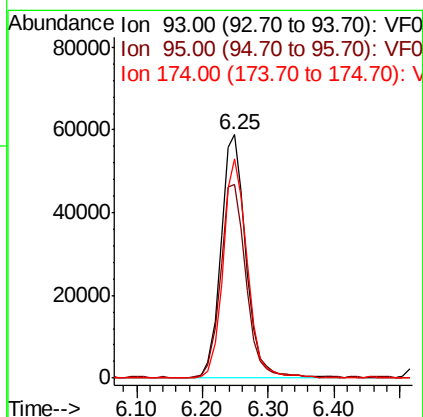
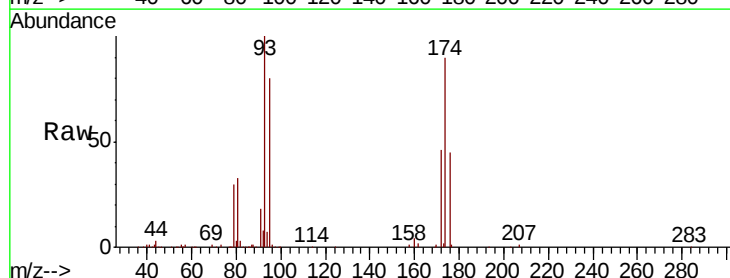
Tgt Ion: 93 Resp: 156083

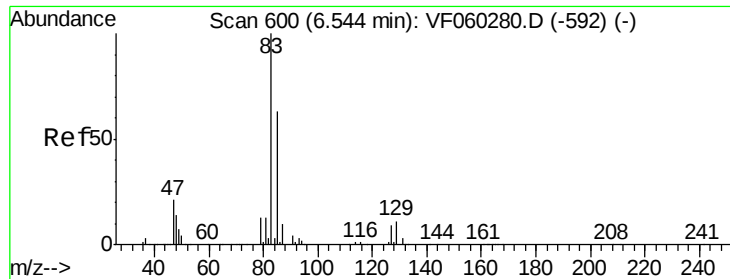
Ion Ratio Lower Upper

93 100

95 79.8 67.0 100.6

174 90.2 74.8 112.2





#47

Bromodichloromethane

Concen: 66.688 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

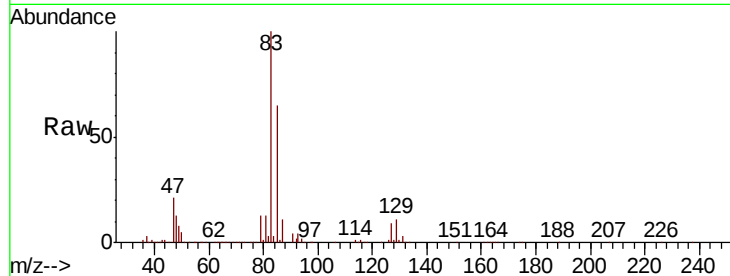
Tgt Ion: 83 Resp: 376220

Ion Ratio Lower Upper

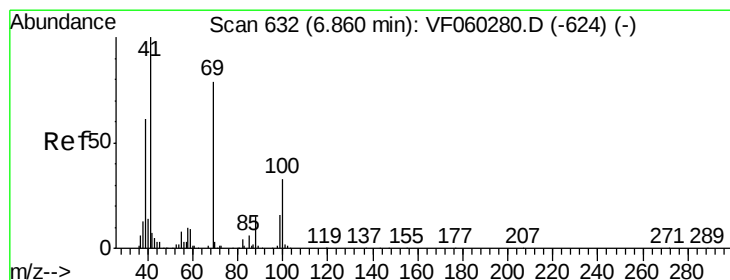
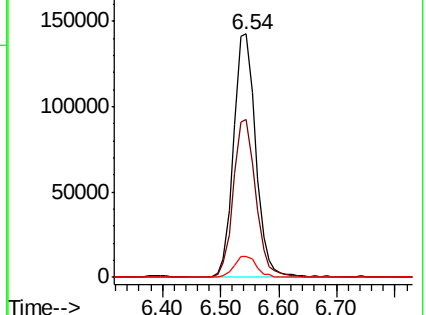
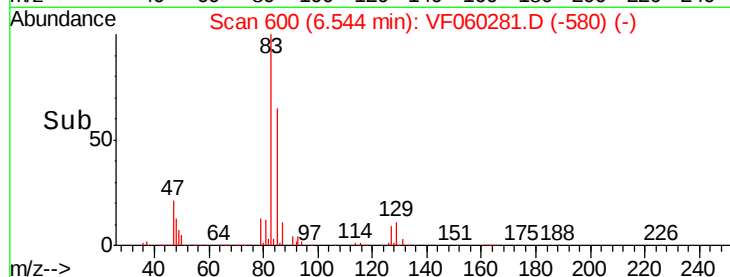
83 100

85 64.8 50.6 76.0

127 8.7 7.1 10.7



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



#48

Methyl methacrylate

Concen: 62.651 ug/l

RT: 6.87 min Scan# 633

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

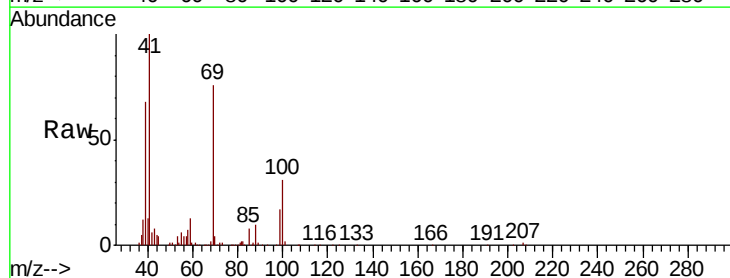
Tgt Ion: 41 Resp: 125374

Ion Ratio Lower Upper

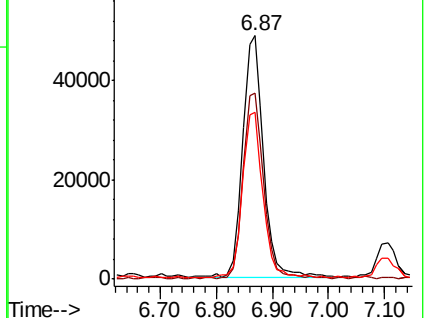
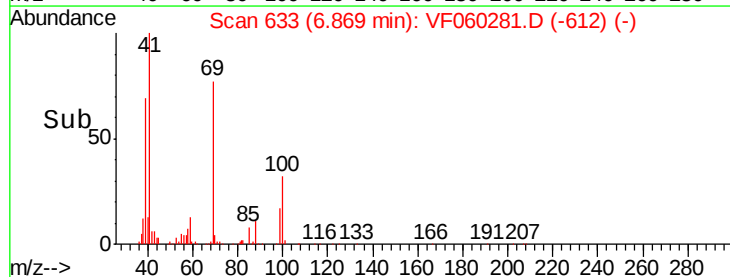
41 100

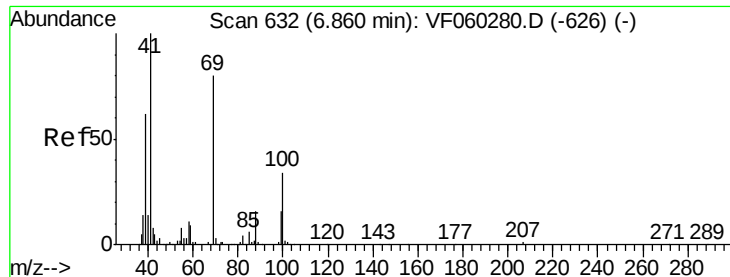
69 76.2 62.6 94.0

39 68.3 49.1 73.7



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





#49

1,4-Dioxane

Concen: 1151.243 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

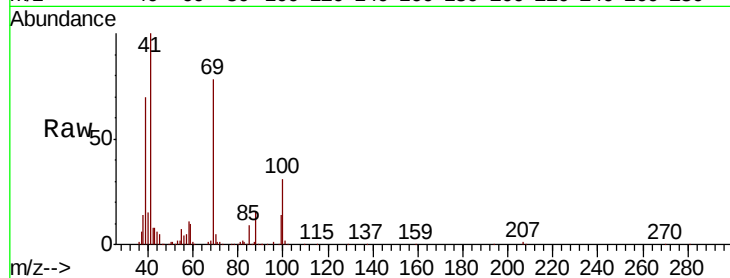
Tgt Ion: 88 Resp: 20582

Ion Ratio Lower Upper

88 100

43 50.2 40.2 60.4

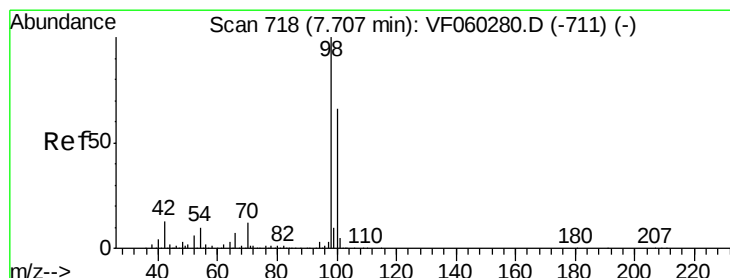
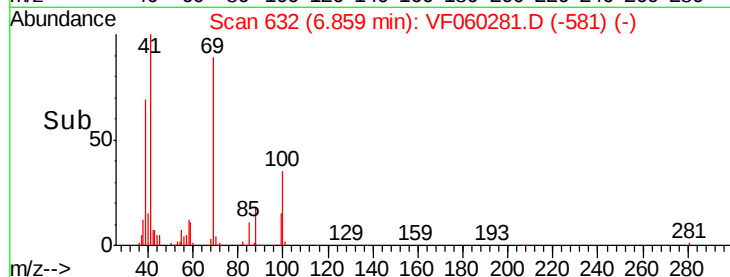
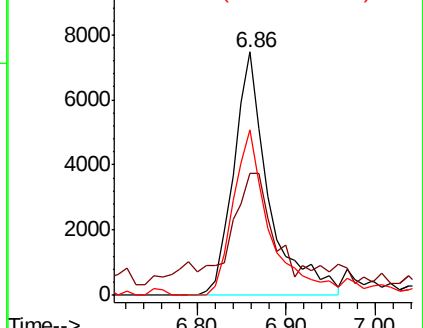
58 67.8 56.7 85.1



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: 61.597 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.00 min

Lab File: VF060281.D

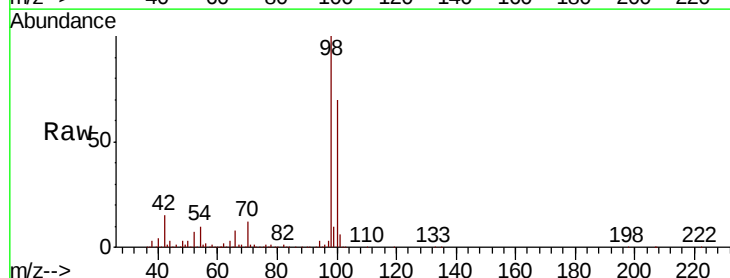
Acq: 19 Sep 2018 14:42

Tgt Ion: 98 Resp: 641567

Ion Ratio Lower Upper

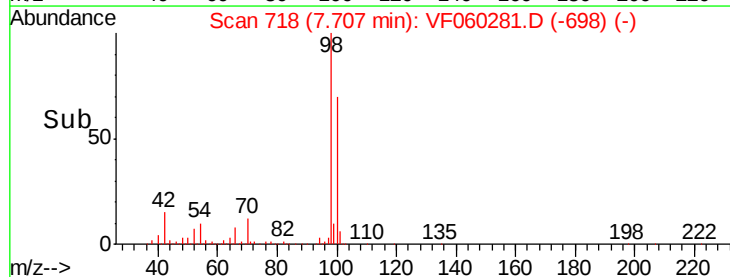
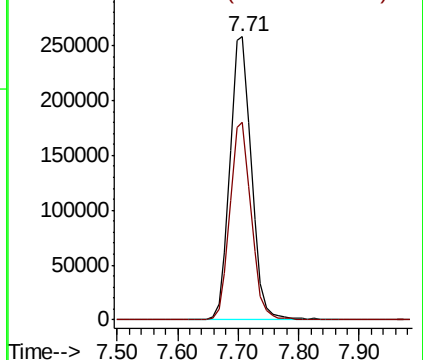
98 100

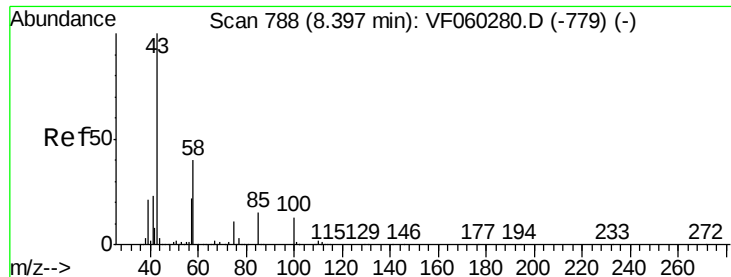
100 69.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

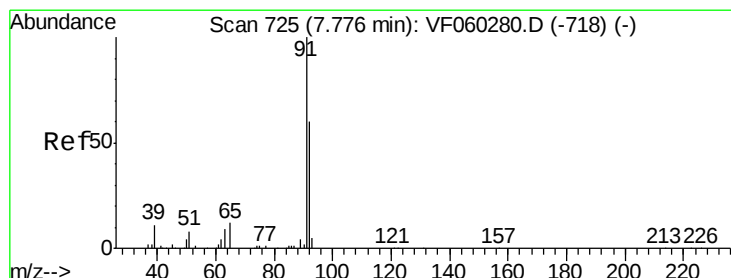
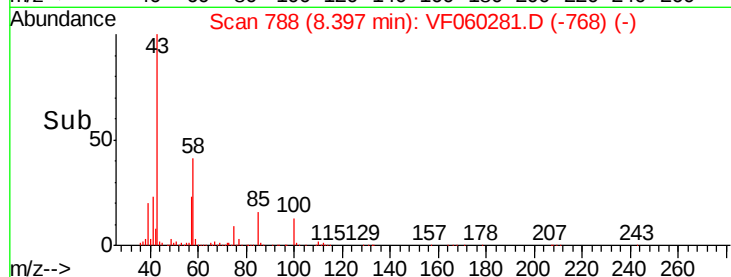
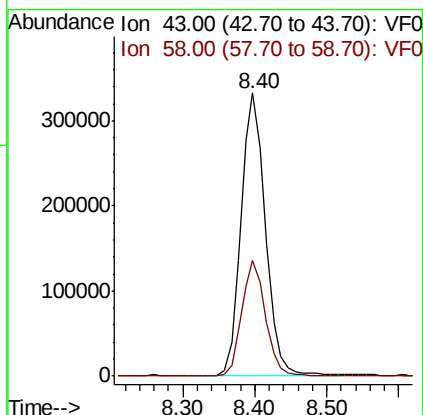
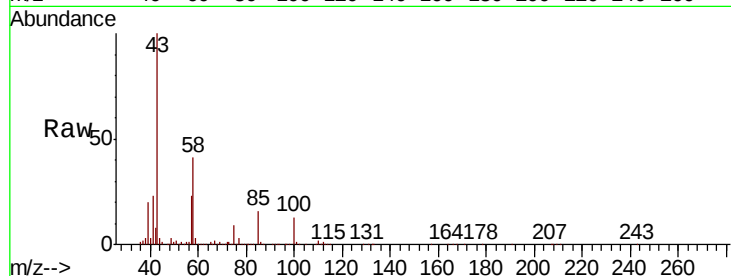




#51
 4-Methyl-2-Pentanone
 Concen: 357.000 ug/l
 RT: 8.40 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

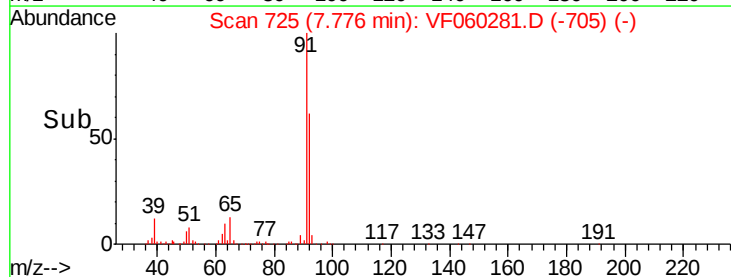
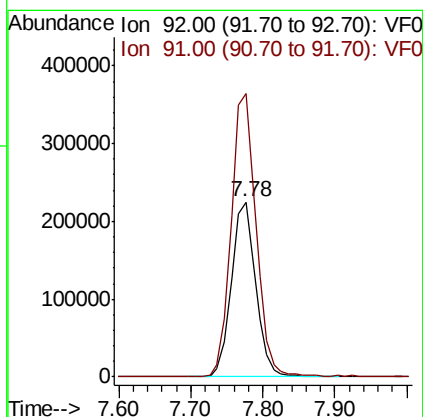
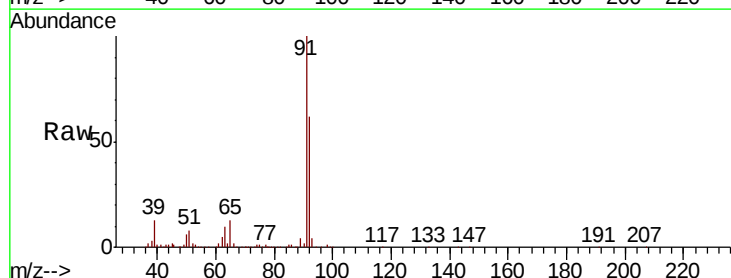
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

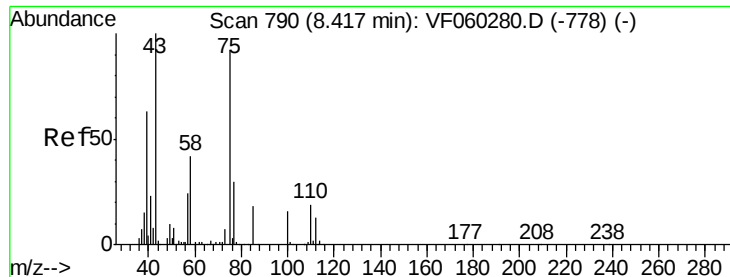
Tgt Ion: 43 Resp: 784394
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.8 47.8



#52
 Toluene
 Concen: 66.150 ug/l
 RT: 7.78 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion: 92 Resp: 531050
 Ion Ratio Lower Upper
 92 100
 91 162.1 133.3 199.9





#53

t-1,3-Dichloropropene

Concen: 63.230 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

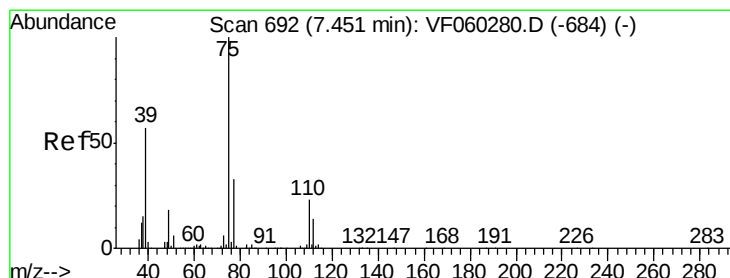
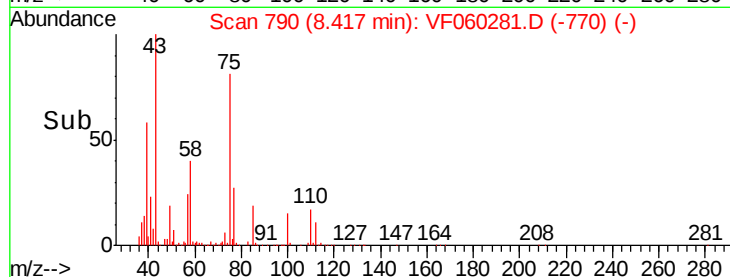
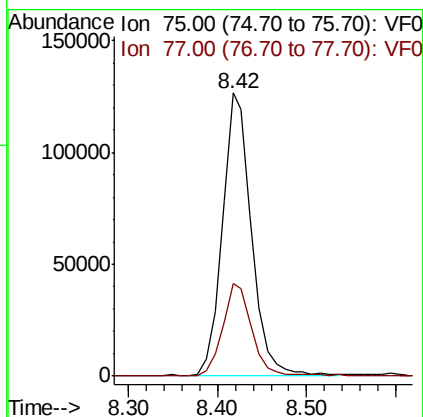
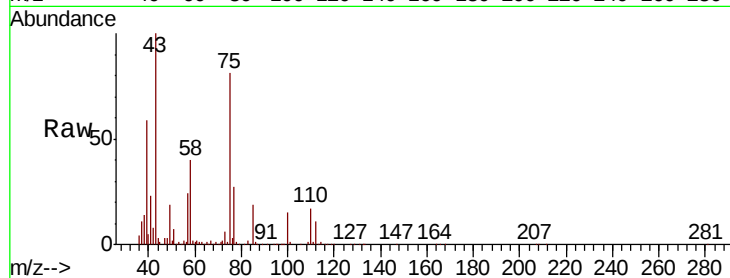
VSTDIC075

Tgt Ion: 75 Resp: 287734

Ion Ratio Lower Upper

75 100

77 32.8 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 66.085 ug/l

RT: 7.45 min Scan# 692

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

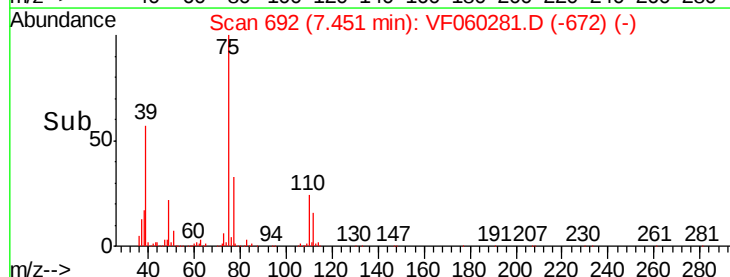
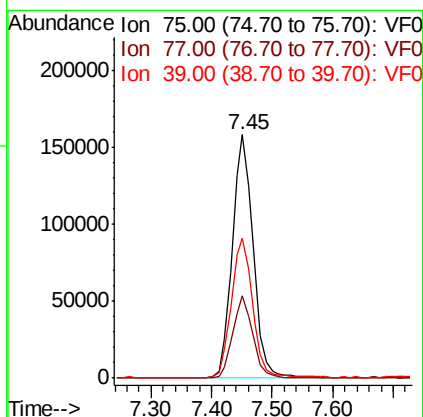
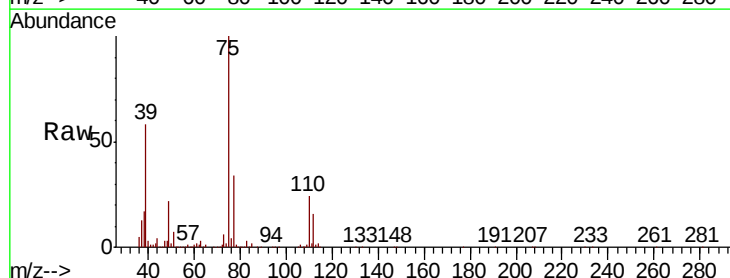
Tgt Ion: 75 Resp: 378847

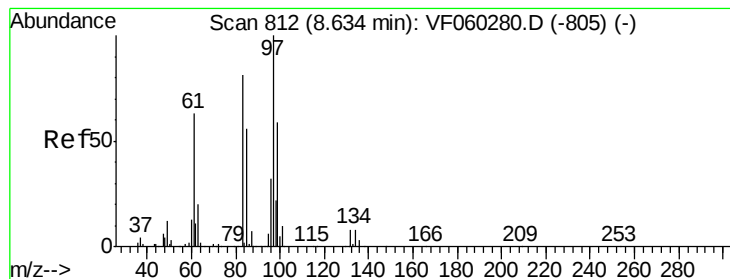
Ion Ratio Lower Upper

75 100

77 33.6 26.3 39.5

39 57.6 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 67.154 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

Tgt Ion: 97 Resp: 163624

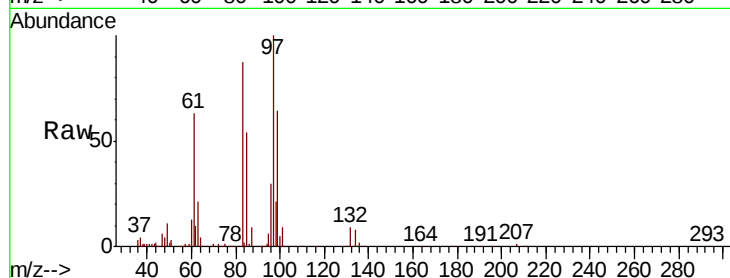
Ion Ratio Lower Upper

97 100

83 86.7 65.3 97.9

85 54.4 44.7 67.1

99 63.9 47.0 70.4

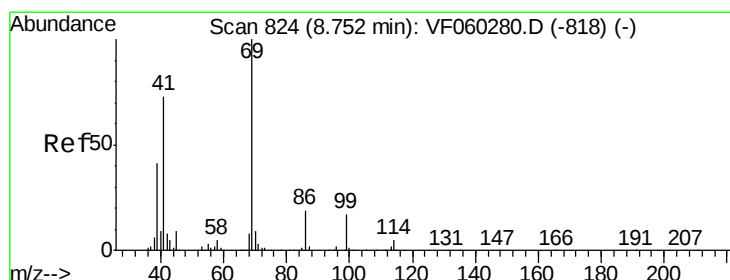
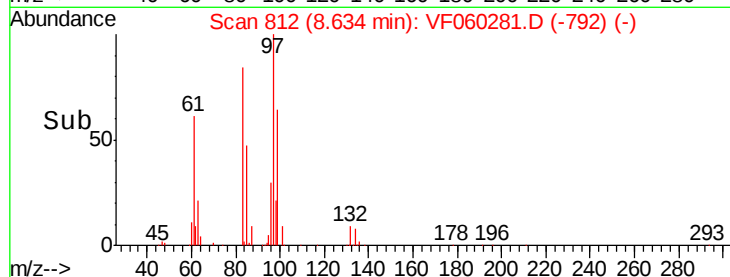
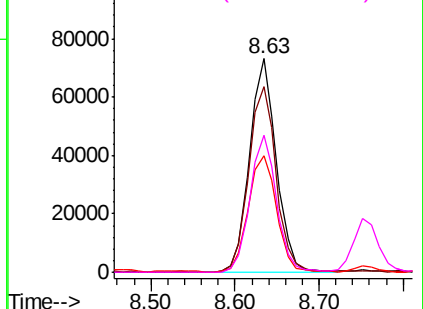


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 65.737 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

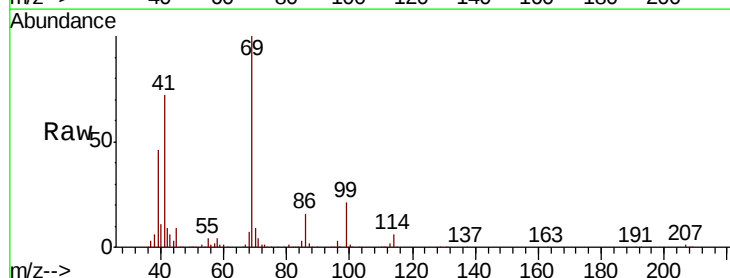
Tgt Ion: 69 Resp: 193442

Ion Ratio Lower Upper

69 100

41 72.3 59.4 89.2

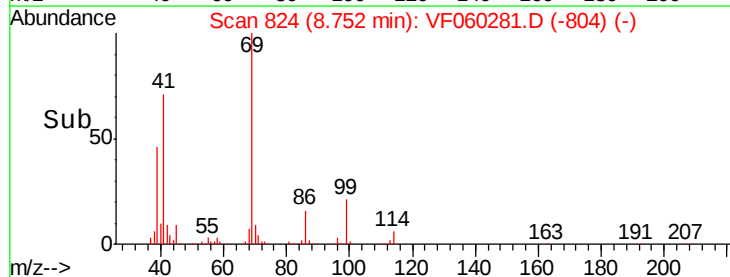
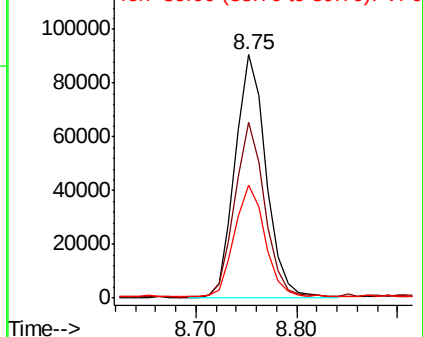
39 46.5 33.5 50.3

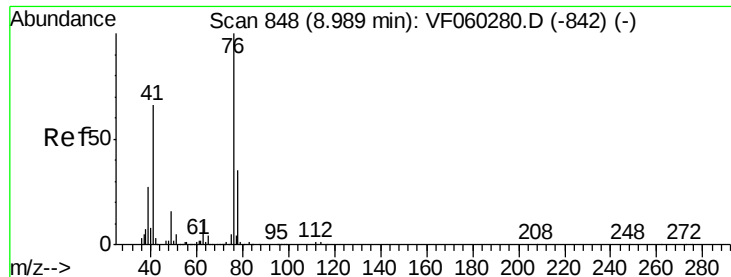


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 67.182 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

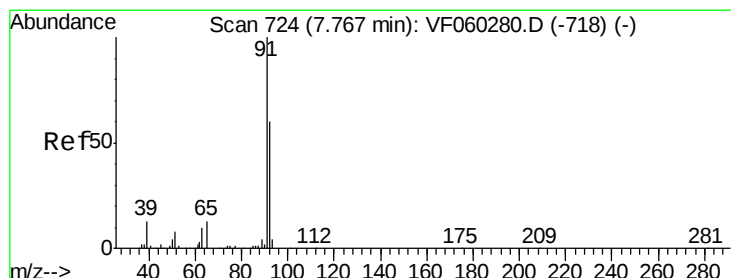
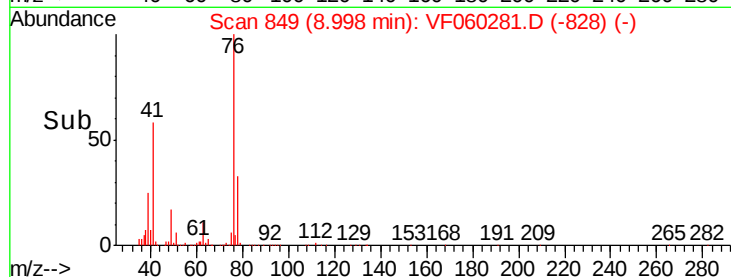
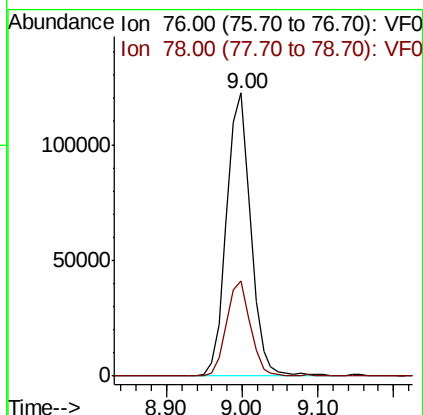
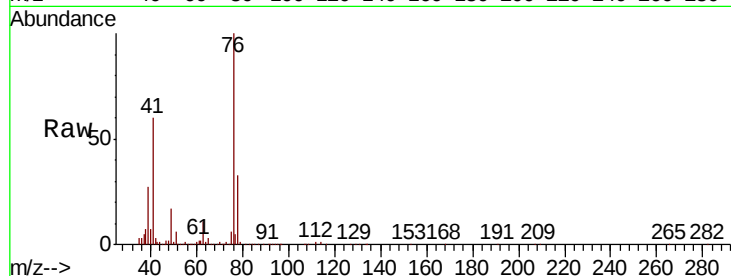
VSTDIC075

Tgt Ion: 76 Resp: 271037

Ion Ratio Lower Upper

76 100

78 33.5 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 318.161 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.01 min

Lab File: VF060281.D

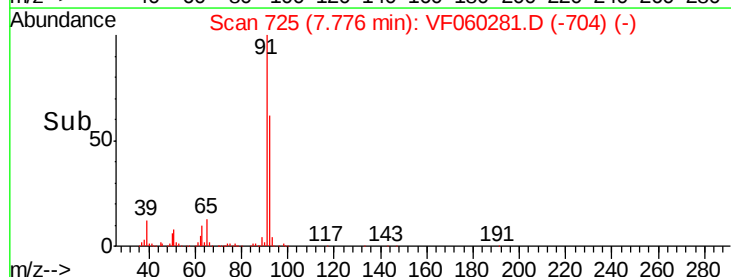
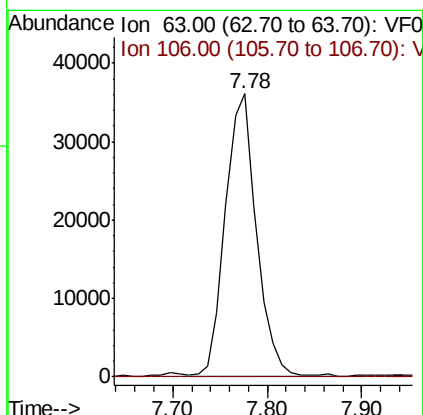
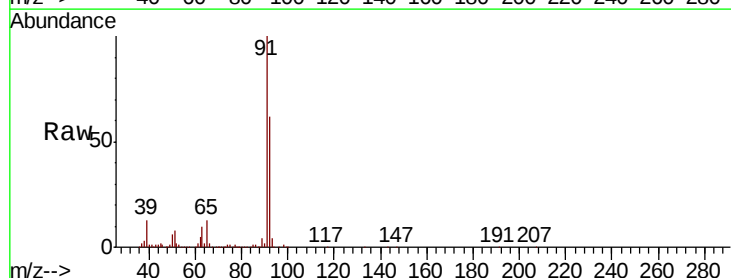
Acq: 19 Sep 2018 14:42

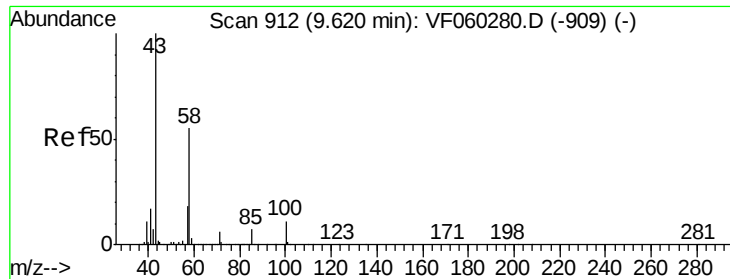
Tgt Ion: 63 Resp: 82767

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

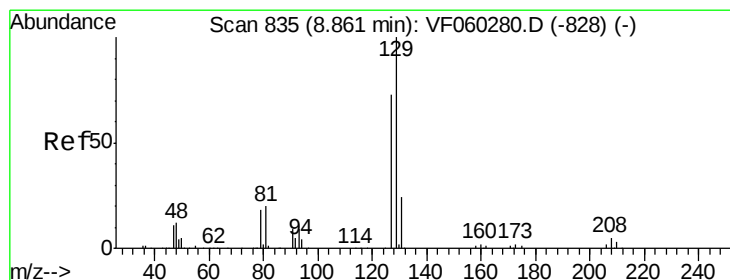
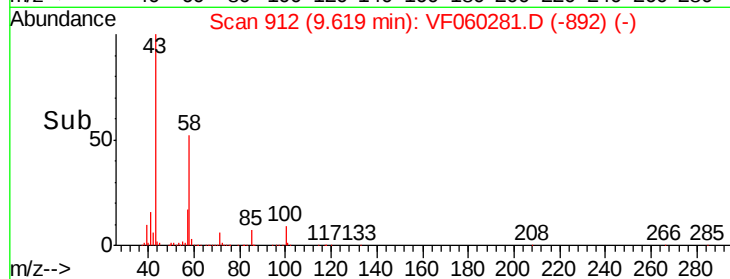
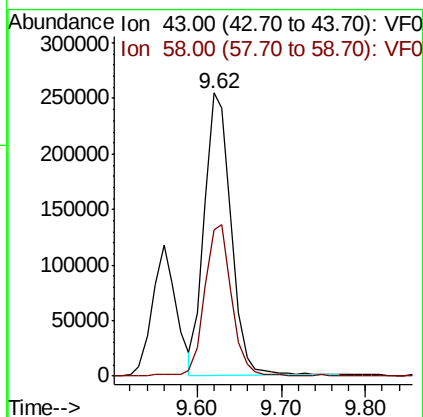
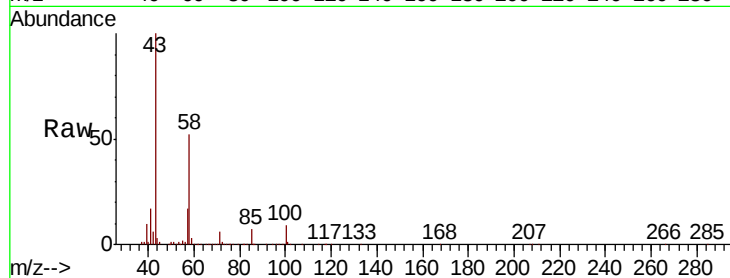




#59
2-Hexanone
Concen: 355.296 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

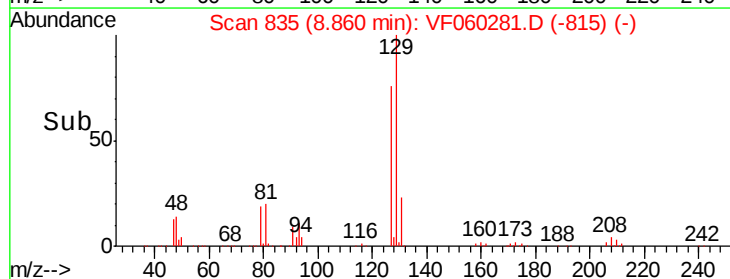
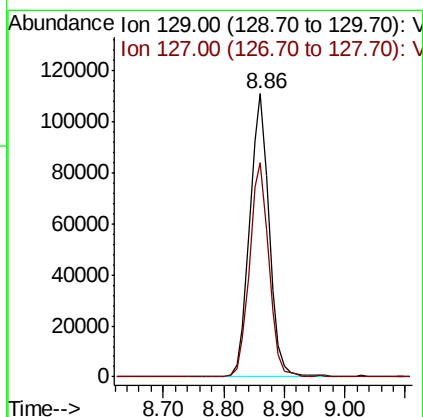
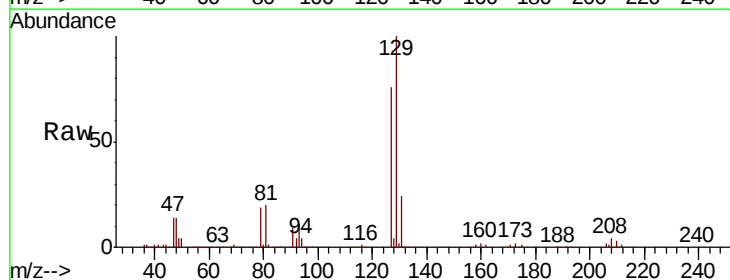
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

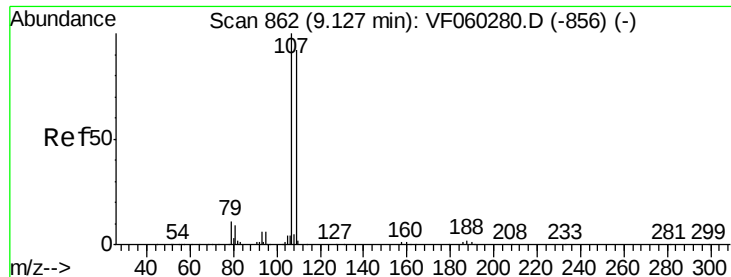
Tgt Ion: 43 Resp: 555829
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.6



#60
Dibromochloromethane
Concen: 68.251 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion: 129 Resp: 247856
Ion Ratio Lower Upper
129 100
127 75.9 36.6 109.8





#61

1,2-Dibromoethane

Concen: 66.046 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

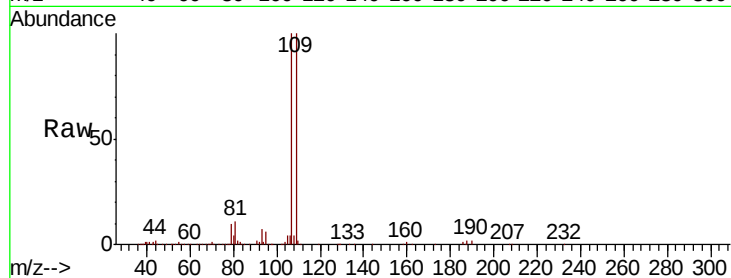
VSTDIC075

Tgt Ion: 107 Resp: 179198

Ion Ratio Lower Upper

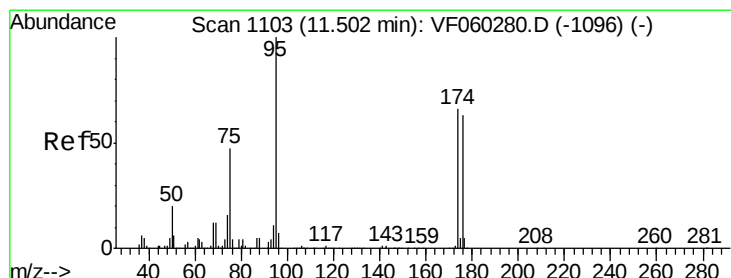
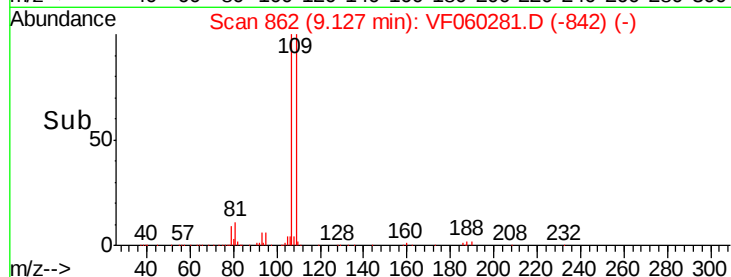
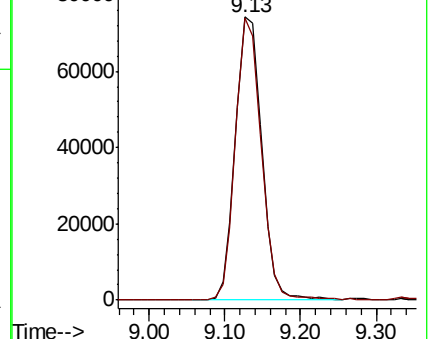
107 100

109 99.6 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 60.658 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

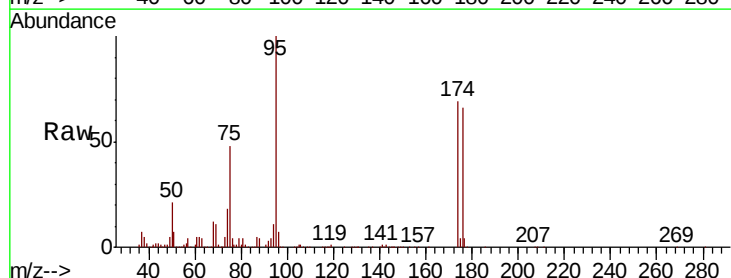
Tgt Ion: 95 Resp: 273098

Ion Ratio Lower Upper

95 100

174 68.6 0.0 131.2

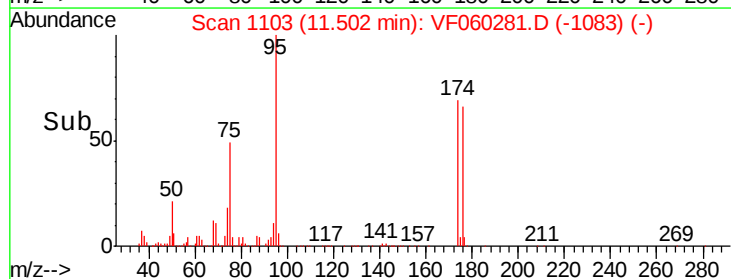
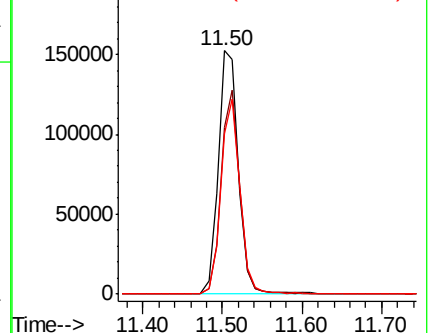
176 65.7 0.0 126.6

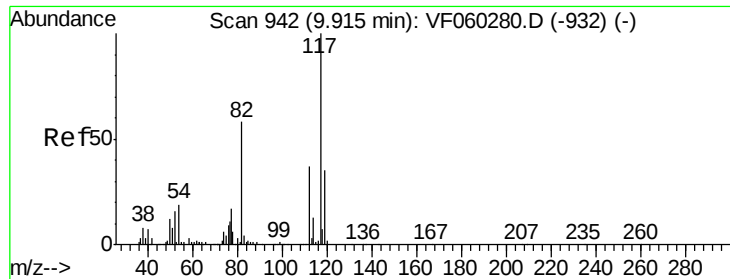


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

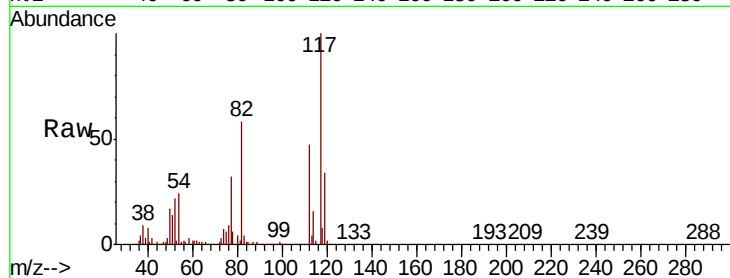




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.2	69.2
119	34.3	27.8	41.6

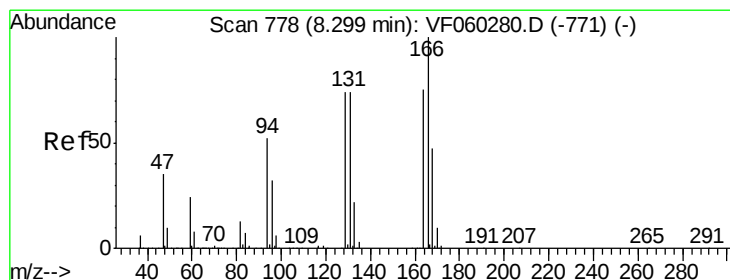
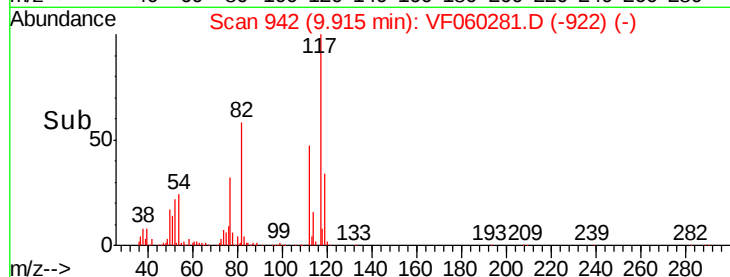
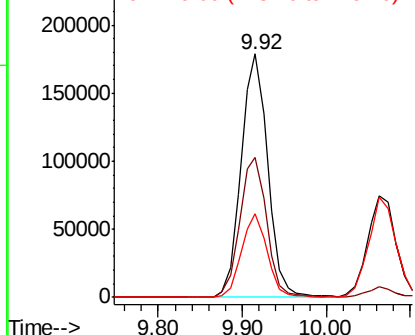


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 64.710 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	106.8	160.2
129	94.5	78.8	118.2
131	92.7	78.7	118.1

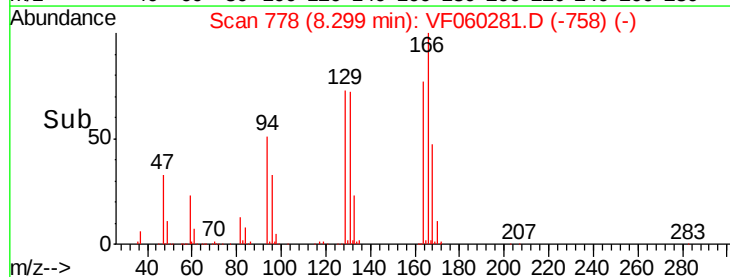
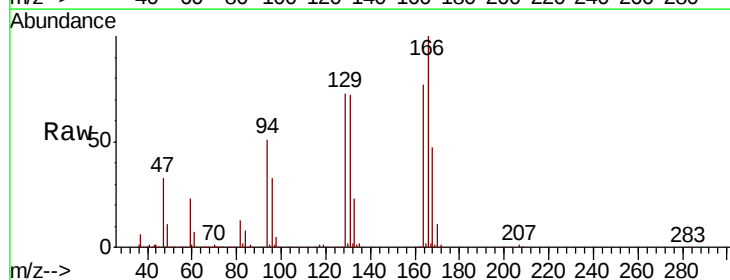
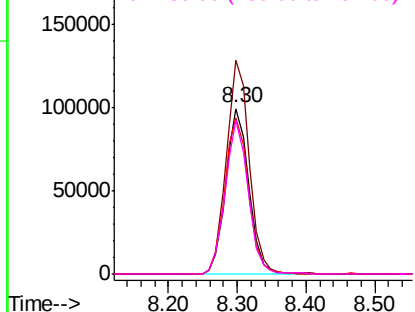
Abundance

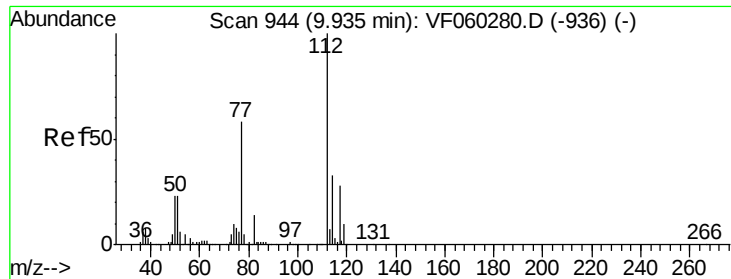
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 65.425 ug/l

RT: 9.93 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

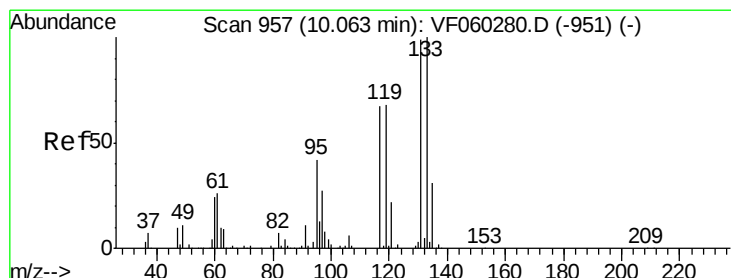
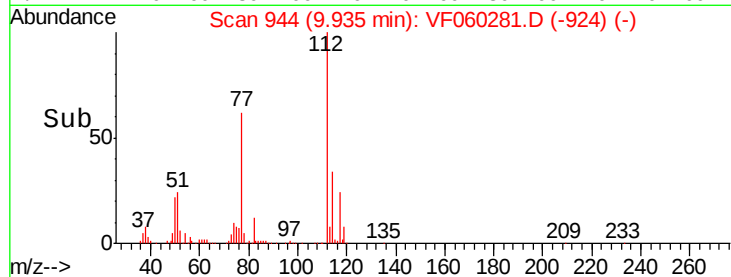
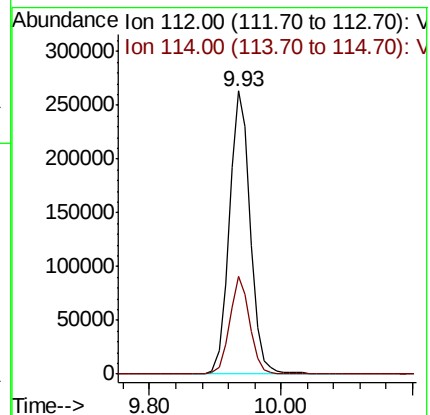
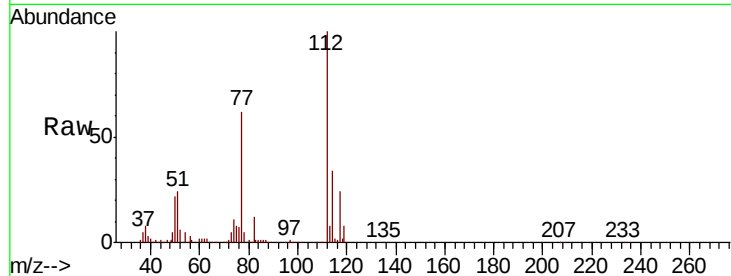
VSTDIC075

Tgt Ion:112 Resp: 585052

Ion Ratio Lower Upper

112 100

114 34.5 26.6 40.0



#66

1,1,1,2-Tetrachloroethane

Concen: 67.952 ug/l

RT: 10.06 min Scan# 957

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

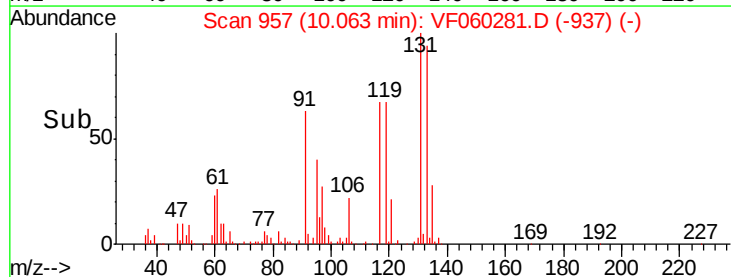
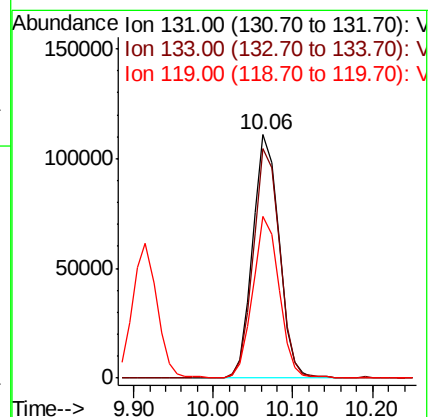
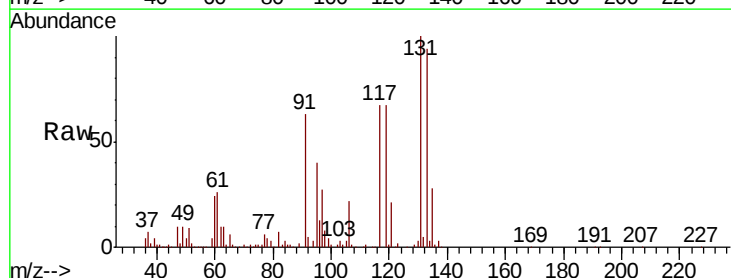
Tgt Ion:131 Resp: 252173

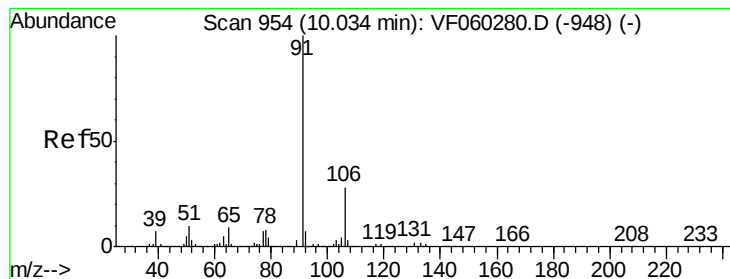
Ion Ratio Lower Upper

131 100

133 94.3 50.4 151.2

119 66.6 34.8 104.3





#67

Ethyl Benzene

Concen: 63.877 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

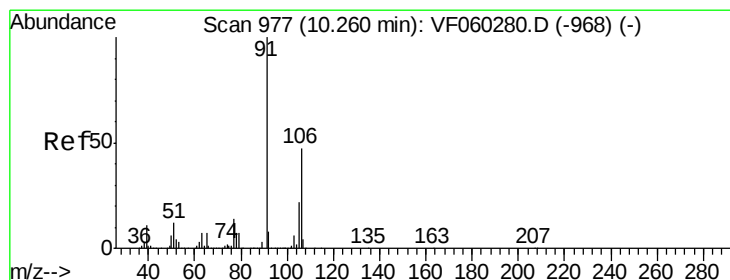
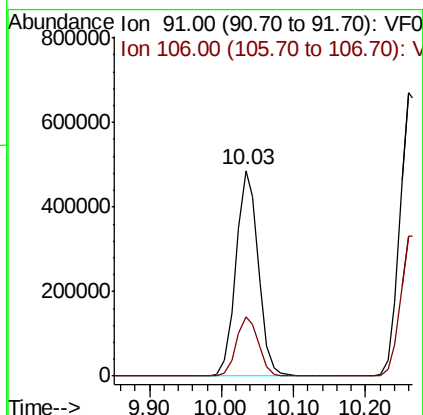
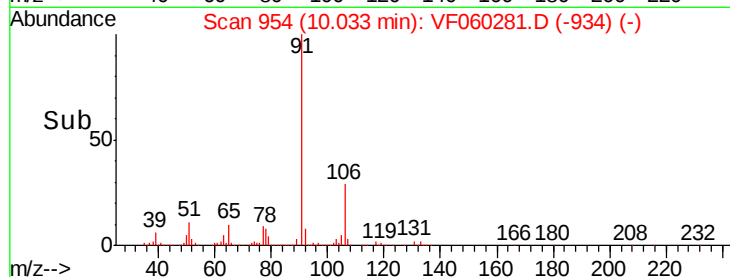
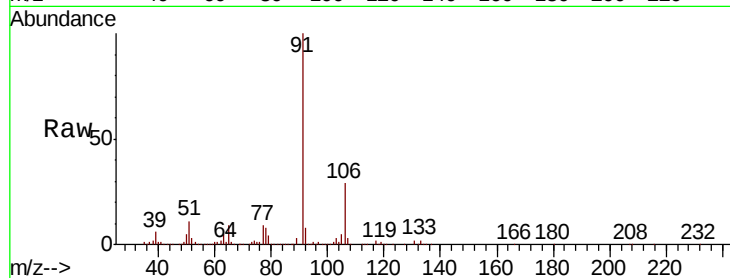
VSTDIC075

Tgt Ion: 91 Resp: 1056141

Ion Ratio Lower Upper

91 100

106 28.7 22.7 34.1



#68

m/p-Xylenes

Concen: 130.629 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.01 min

Lab File: VF060281.D

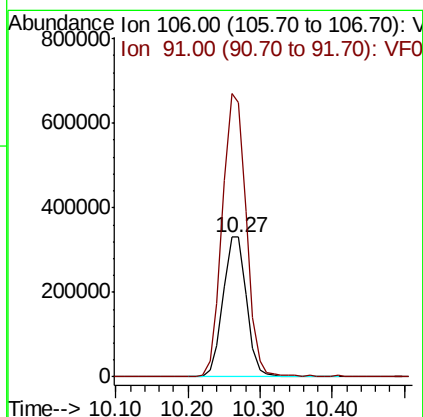
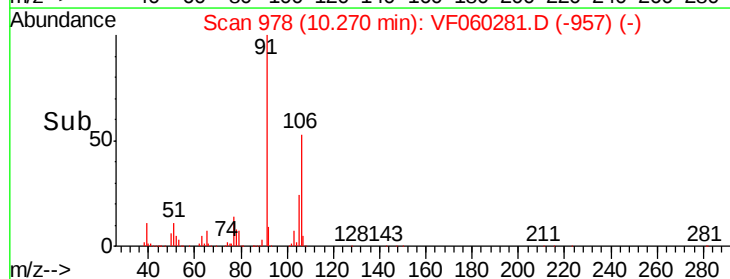
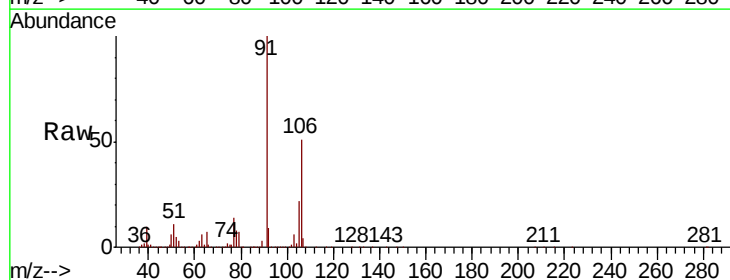
Acq: 19 Sep 2018 14:42

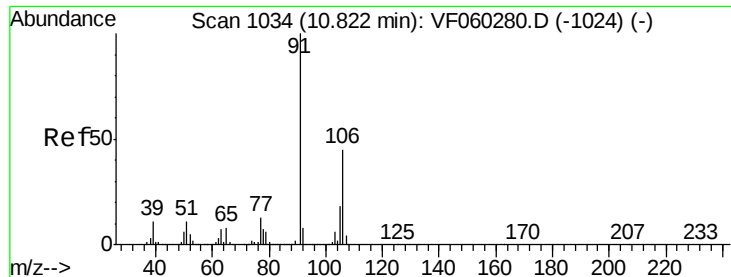
Tgt Ion: 106 Resp: 746195

Ion Ratio Lower Upper

106 100

91 196.8 172.3 258.5

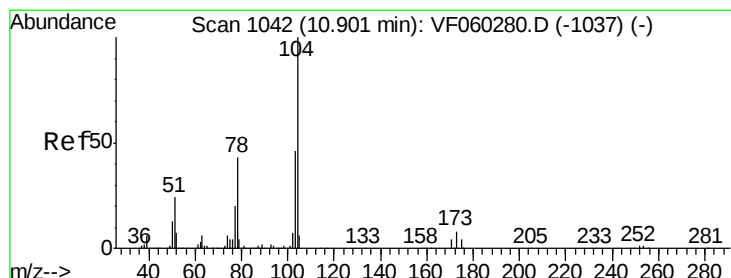
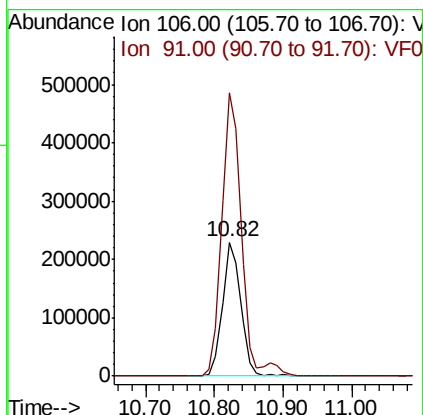
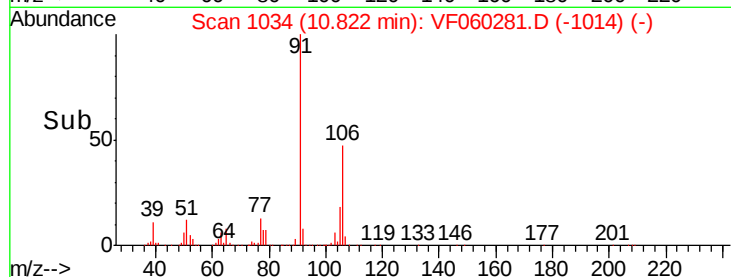
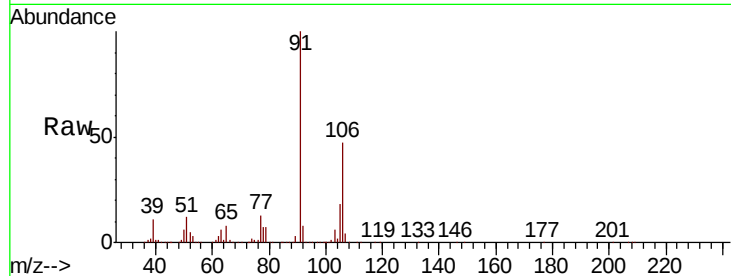




#69
o-Xylene
Concen: 66.059 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

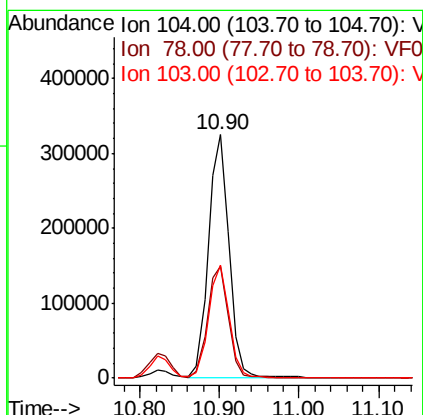
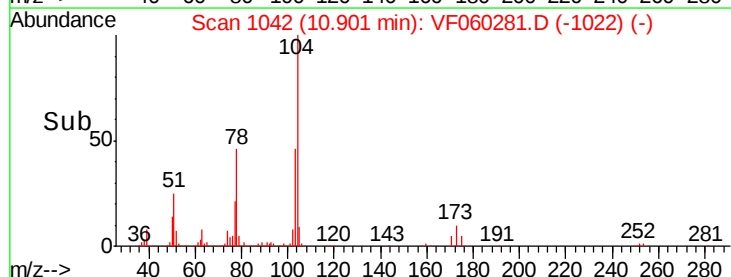
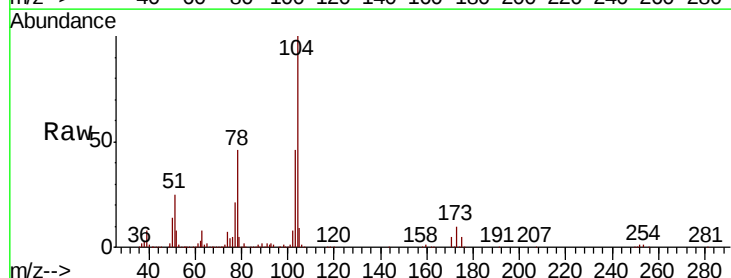
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

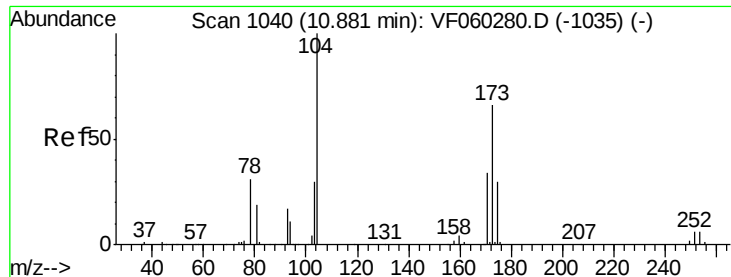
Tgt Ion:106 Resp: 423244
Ion Ratio Lower Upper
106 100
91 210.9 110.9 332.6



#70
Styrene
Concen: 65.063 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060281.D
Acq: 19 Sep 2018 14:42

Tgt Ion:104 Resp: 587895
Ion Ratio Lower Upper
104 100
78 45.8 35.0 52.6
103 46.4 37.4 56.0





#71

Bromoform

Concen: 66.552 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

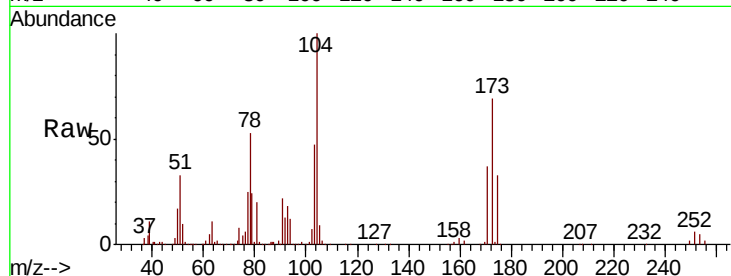
Tgt Ion:173 Resp: 135641

Ion Ratio Lower Upper

173 100

175 48.9 22.3 66.9

254 0.0 0.0 0.0

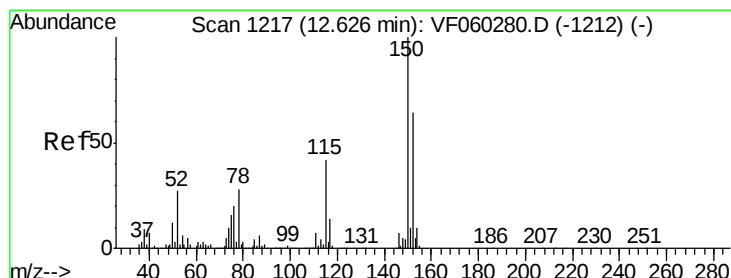
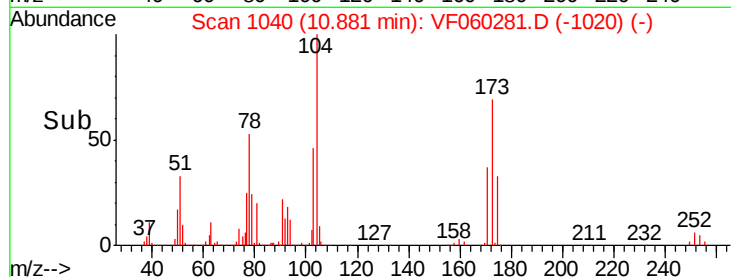
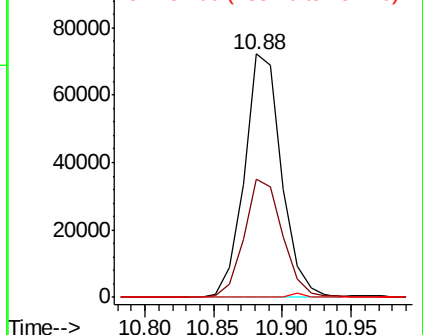


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

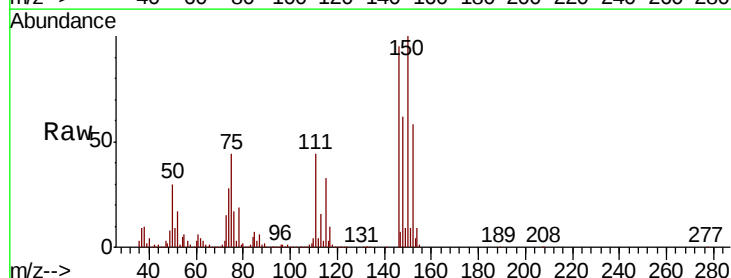
Tgt Ion:152 Resp: 208412

Ion Ratio Lower Upper

152 100

115 56.6 32.6 97.8

150 171.6 0.0 314.2

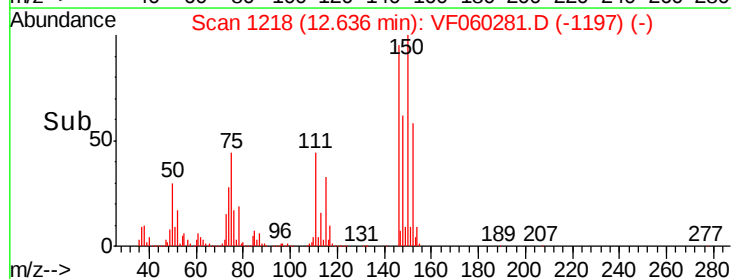
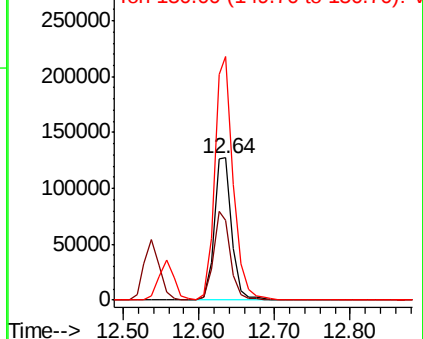


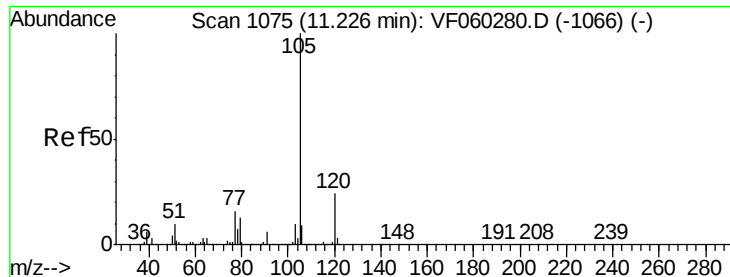
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 63.320 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

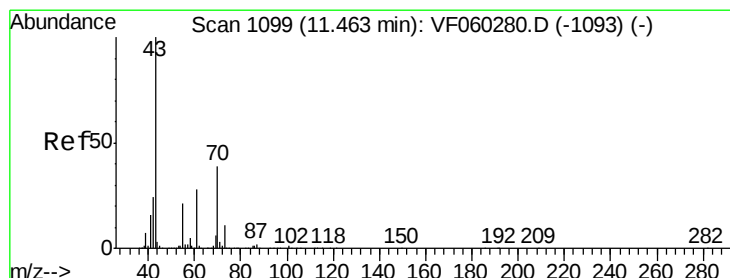
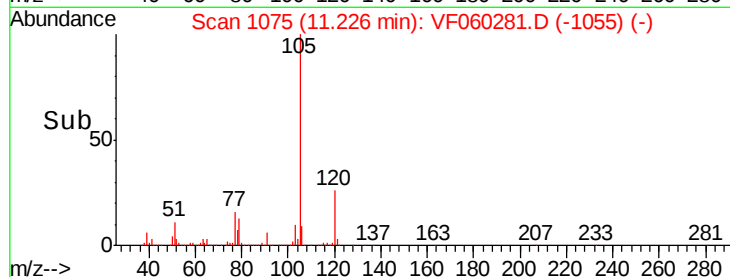
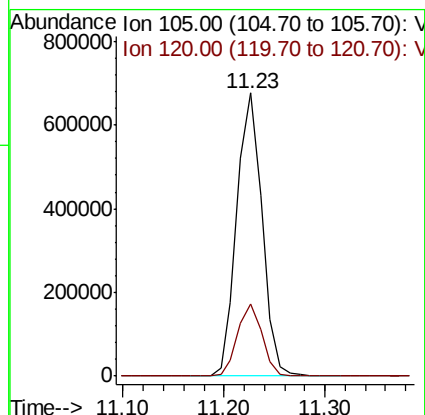
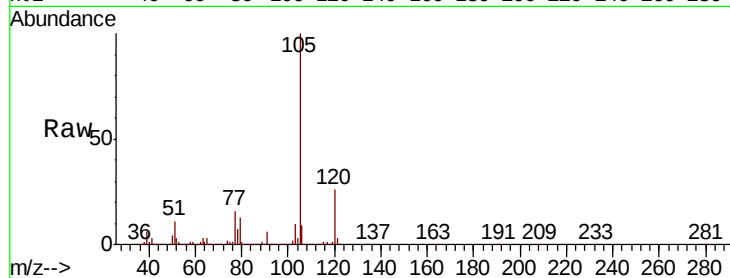
VSTDIC075

Tgt Ion: 105 Resp: 1184698

Ion Ratio Lower Upper

105 100

120 25.6 12.2 36.6



#74

N-ethyl acetate

Concen: 65.755 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Tgt Ion: 43 Resp: 262347

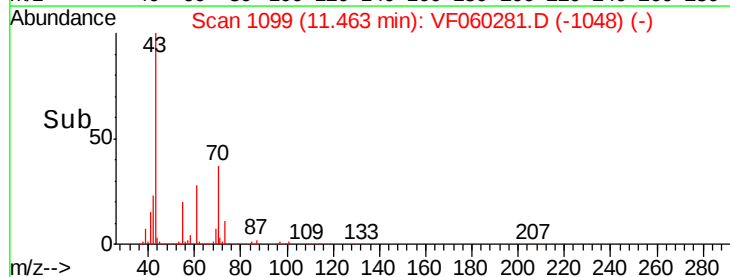
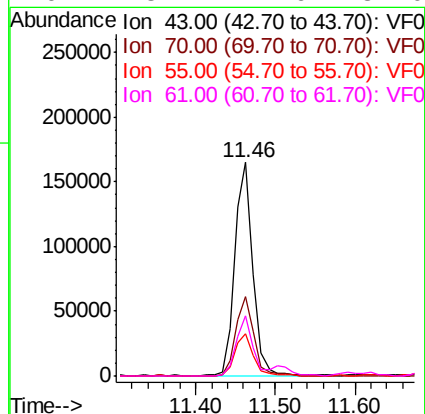
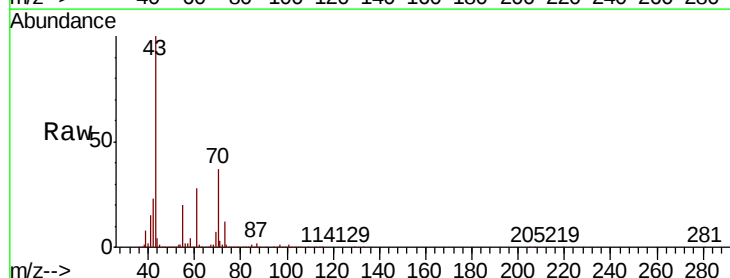
Ion Ratio Lower Upper

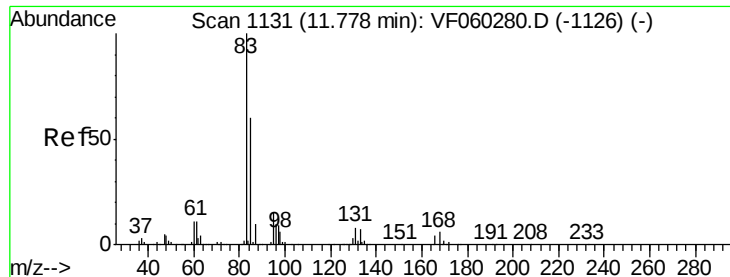
43 100

70 37.4 31.4 47.2

55 19.9 16.8 25.2

61 28.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 64.317 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

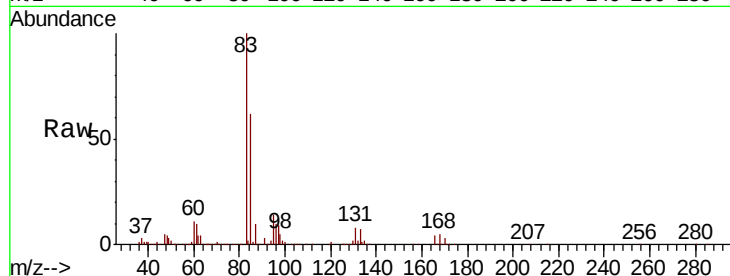
Tgt Ion: 83 Resp: 213261

Ion Ratio Lower Upper

83 100

131 8.2 4.2 12.4

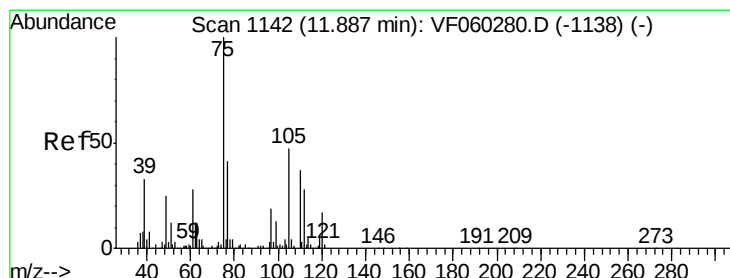
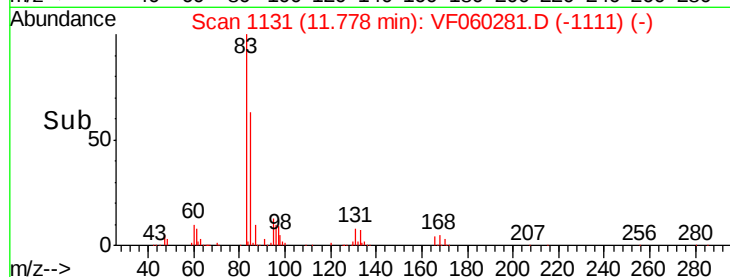
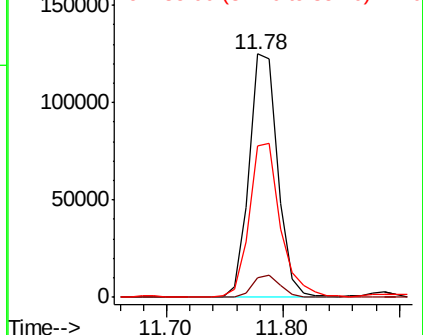
85 62.4 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 61.242 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060281.D

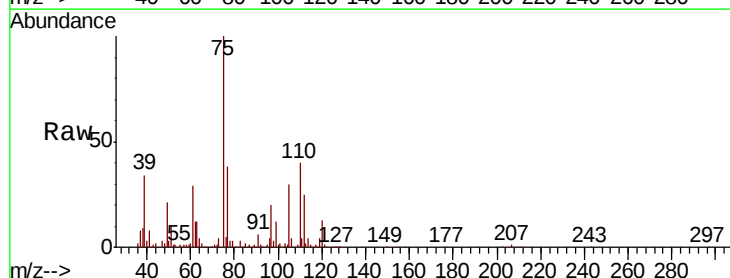
Acq: 19 Sep 2018 14:42

Tgt Ion: 75 Resp: 145398

Ion Ratio Lower Upper

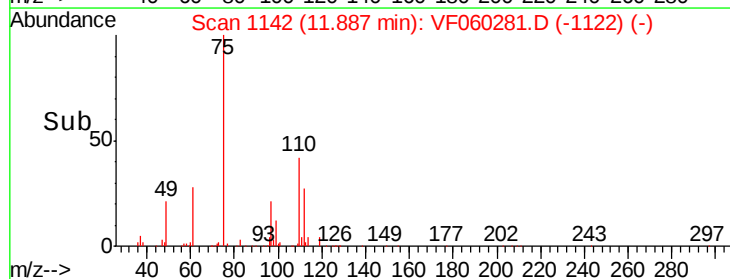
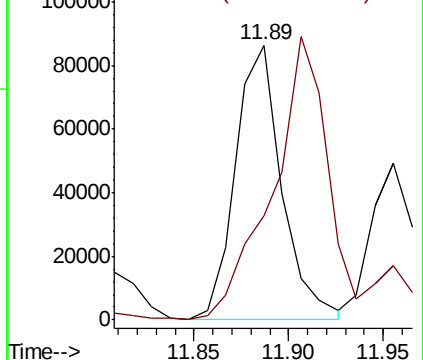
75 100

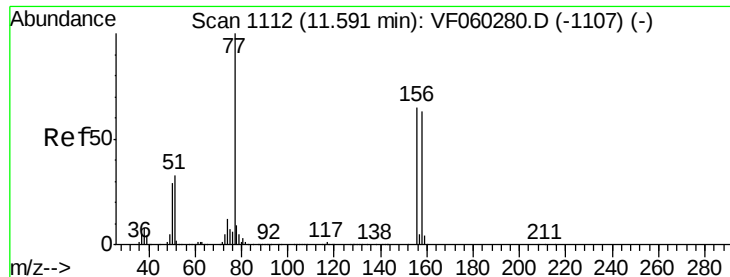
77 38.0 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 63.200 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

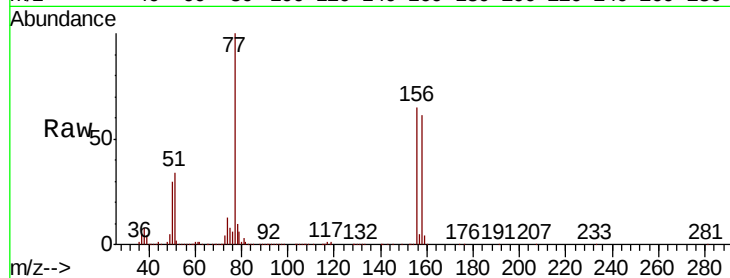
Tgt Ion:156 Resp: 254833

Ion Ratio Lower Upper

156 100

77 154.5 77.3 232.1

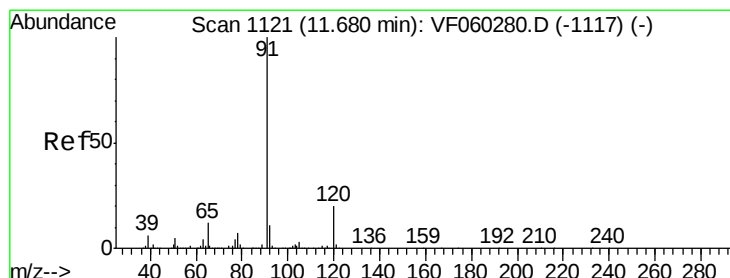
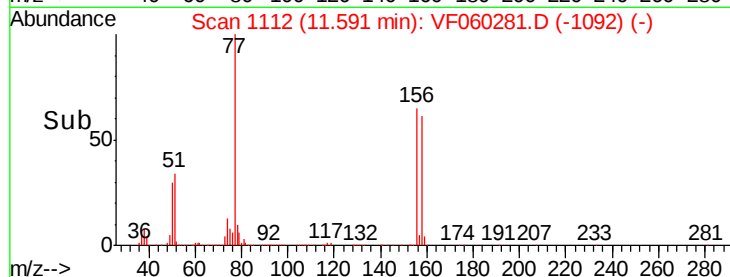
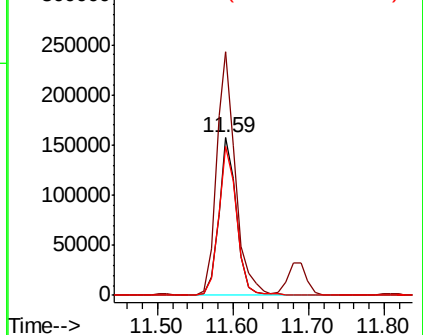
158 94.8 48.4 145.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 61.625 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF060281.D

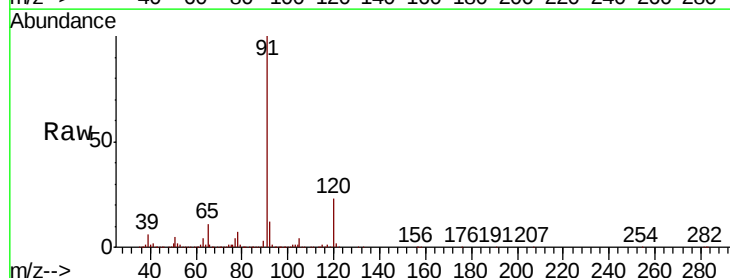
Acq: 19 Sep 2018 14:42

Tgt Ion: 91 Resp: 1361208

Ion Ratio Lower Upper

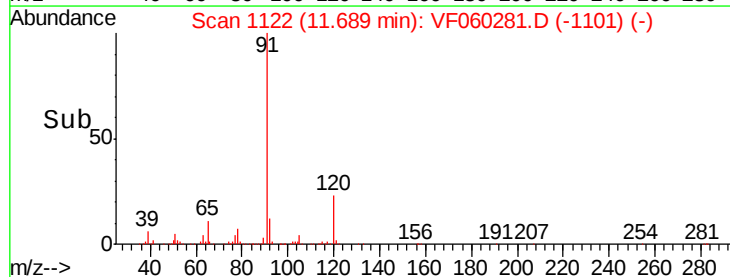
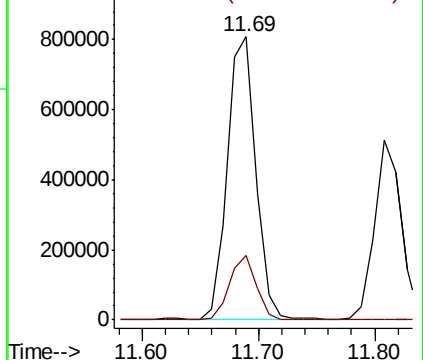
91 100

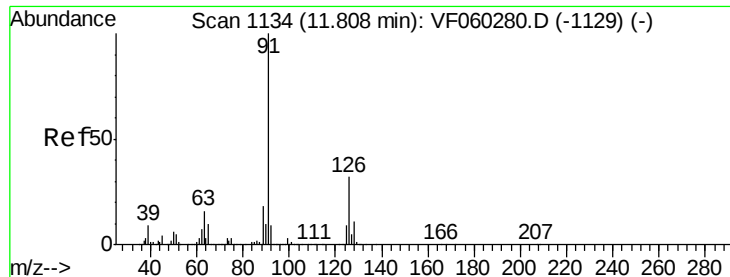
120 22.9 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 63.938 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

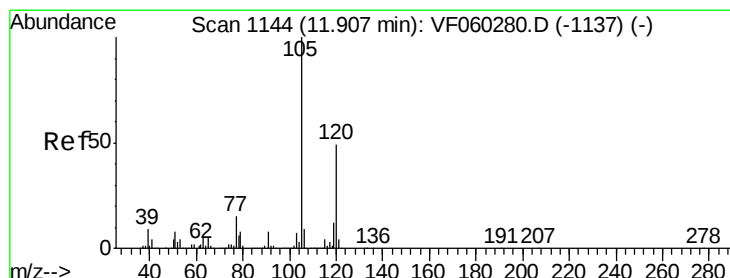
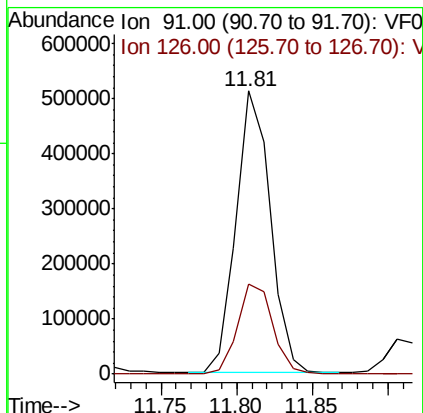
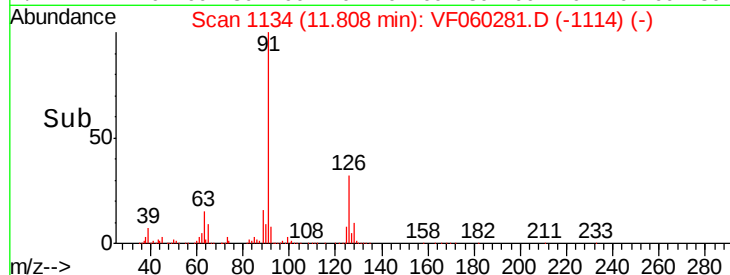
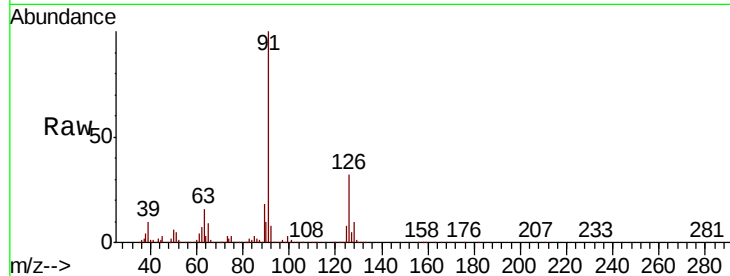
VSTDIC075

Tgt Ion: 91 Resp: 806939

Ion Ratio Lower Upper

91 100

126 31.7 16.1 48.3



#80

1,3,5-Trimethylbenzene

Concen: 63.538 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060281.D

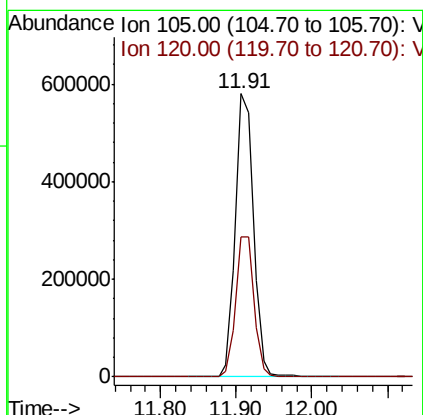
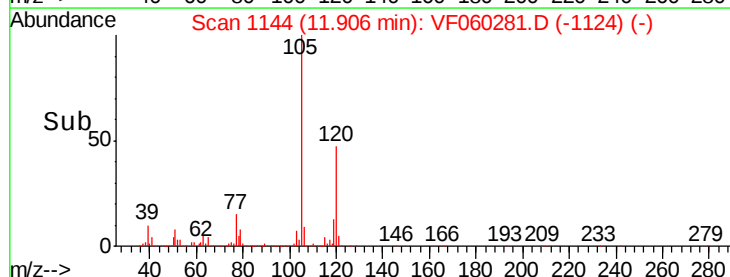
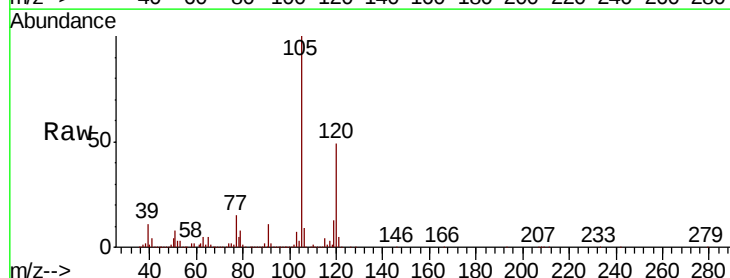
Acq: 19 Sep 2018 14:42

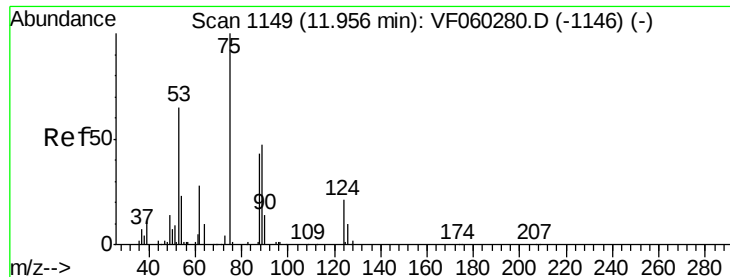
Tgt Ion: 105 Resp: 956920

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 69.467 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

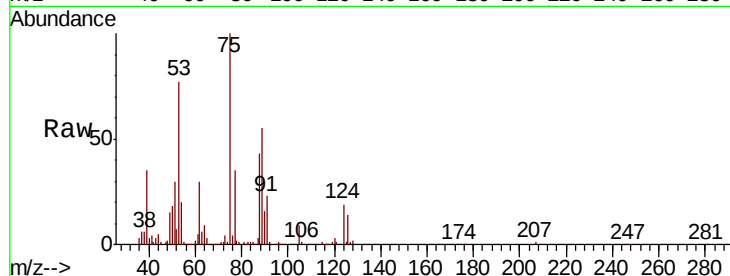
Tgt Ion: 75 Resp: 106264

Ion Ratio Lower Upper

75 100

53 77.2 56.5 84.7

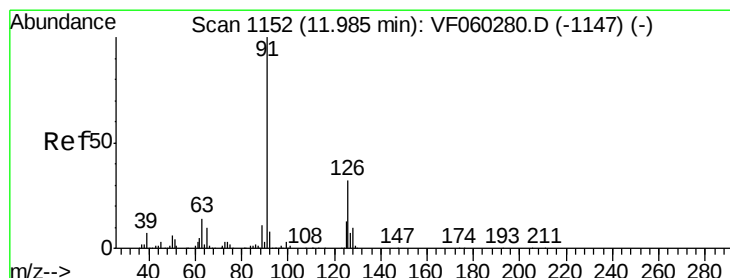
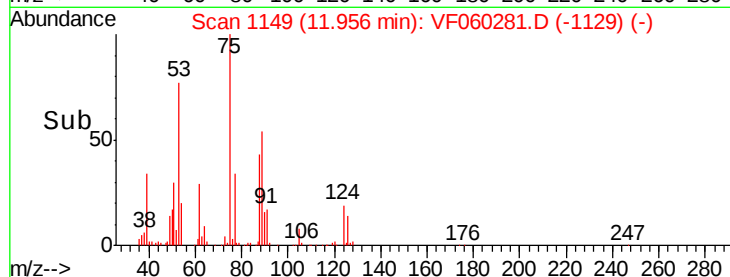
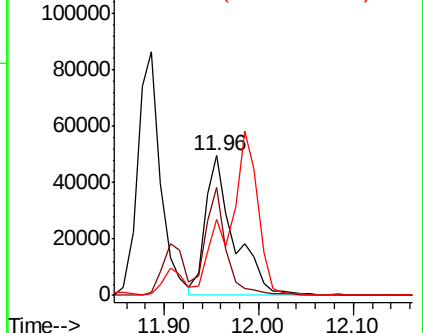
89 54.7 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 65.123 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060281.D

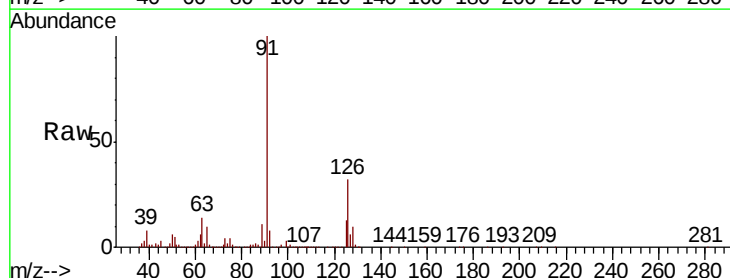
Acq: 19 Sep 2018 14:42

Tgt Ion: 91 Resp: 826090

Ion Ratio Lower Upper

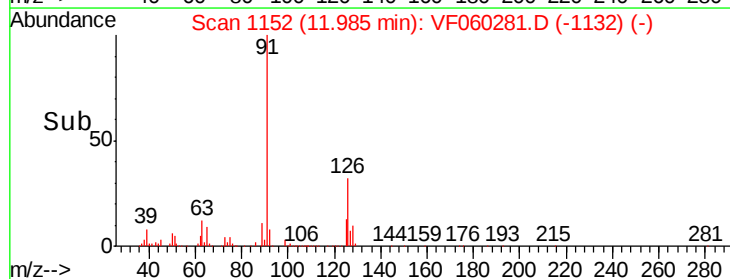
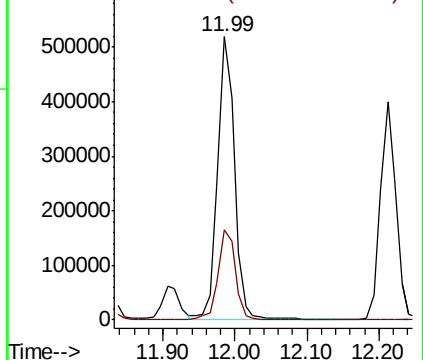
91 100

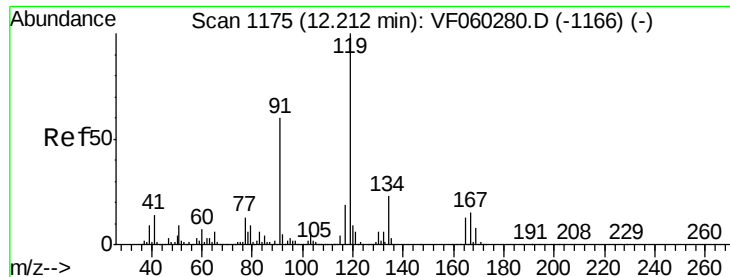
126 31.7 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

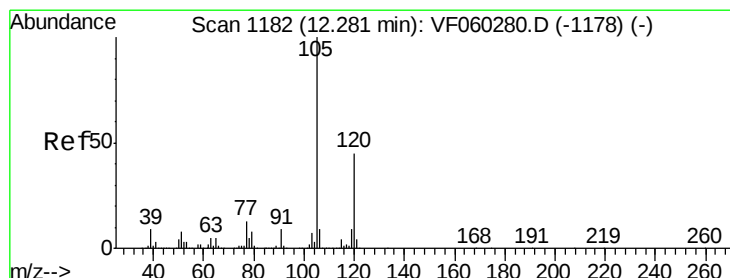
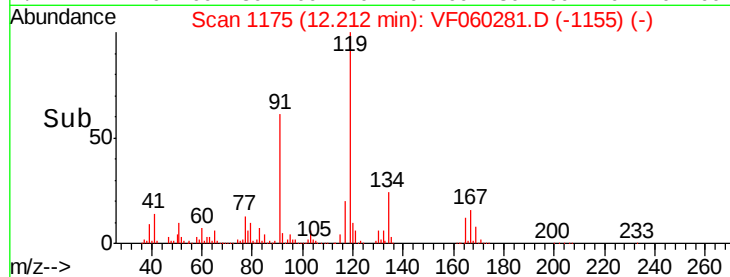
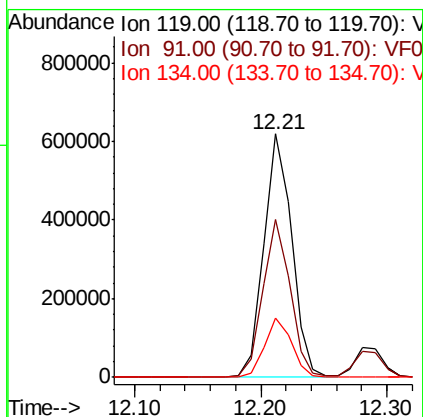
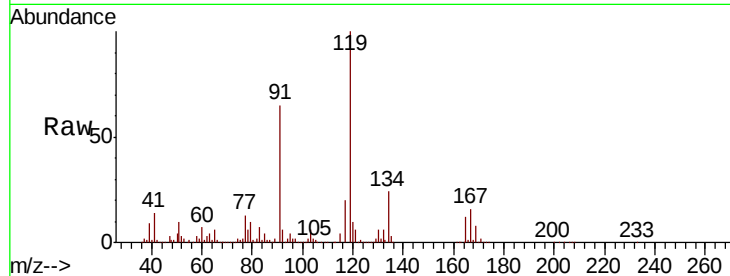




#83
 tert-Butylbenzene
 Concen: 63.057 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

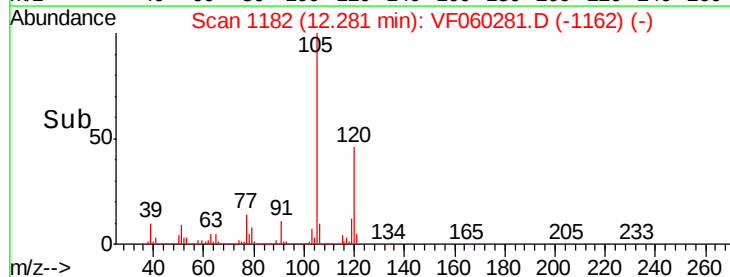
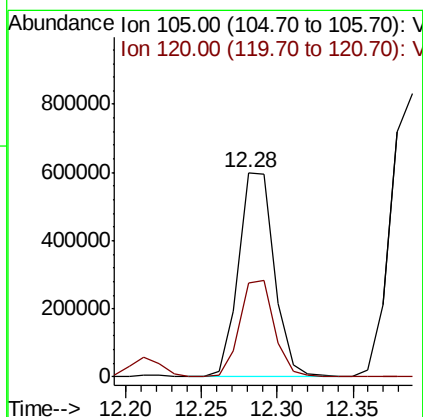
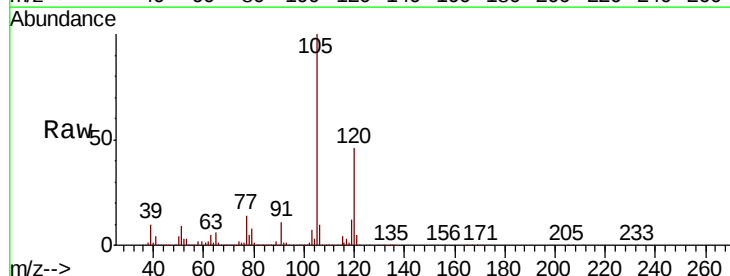
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

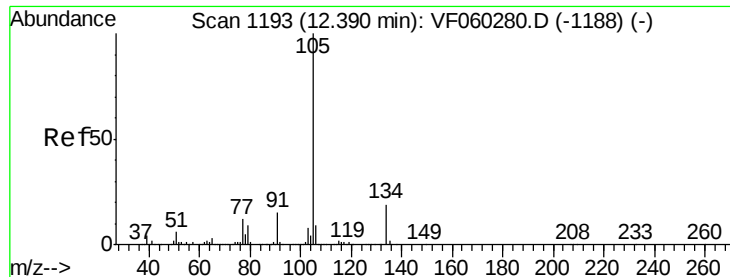
Tgt Ion:119 Resp: 962704
 Ion Ratio Lower Upper
 119 100
 91 64.6 30.3 91.0
 134 24.3 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 64.466 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:105 Resp: 985880
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.4 67.0





#85

sec-Butylbenzene

Concen: 62.902 ug/l

RT: 12.39 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

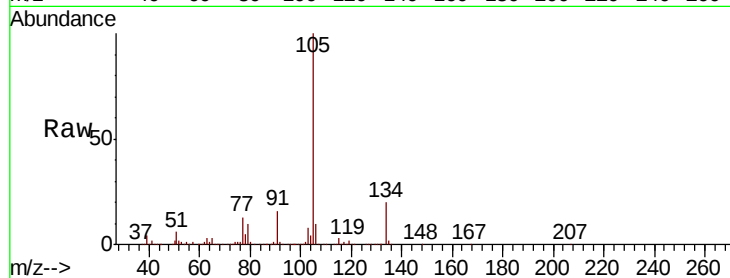
VSTDIC075

Tgt Ion:105 Resp: 1329656

Ion Ratio Lower Upper

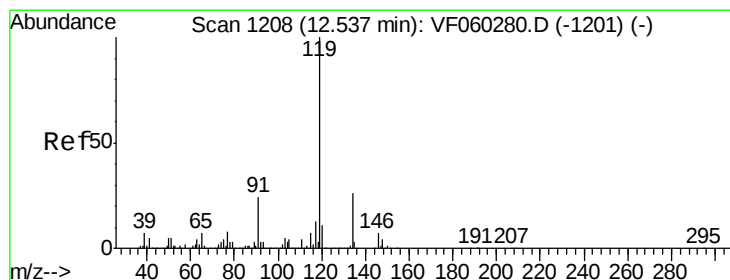
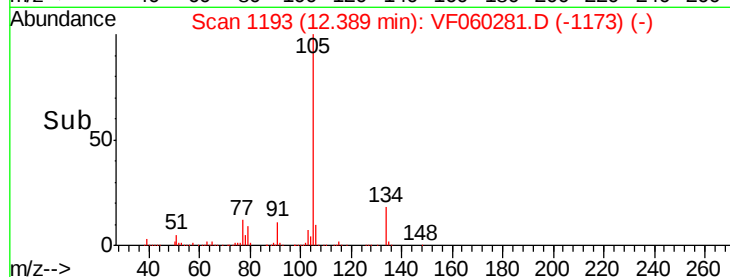
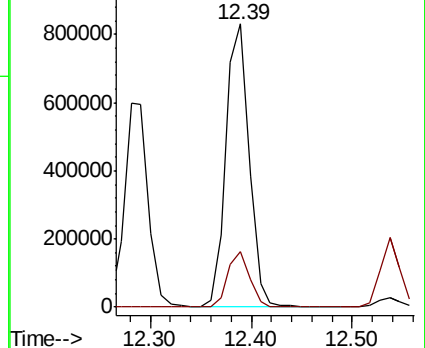
105 100

134 19.6 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 65.658 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

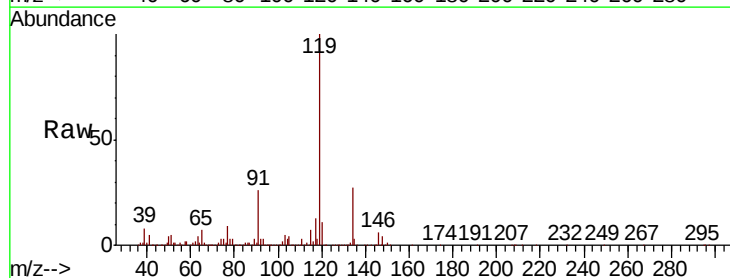
Tgt Ion:119 Resp: 1098292

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.7

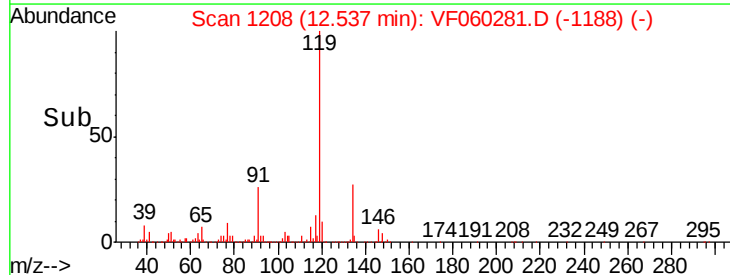
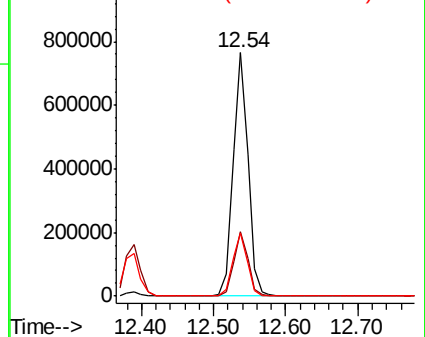
91 26.0 11.9 35.7

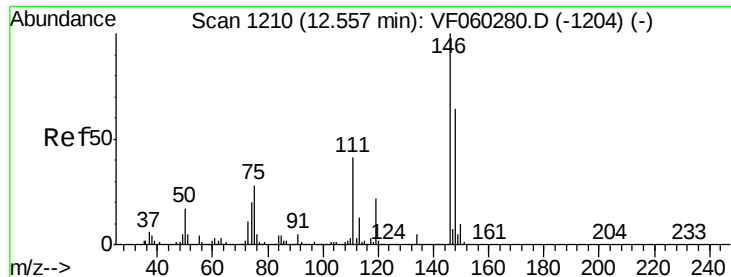


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

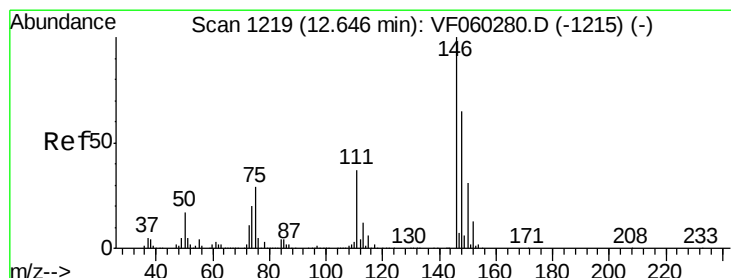
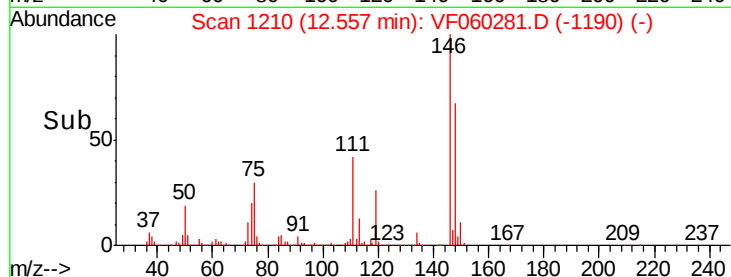
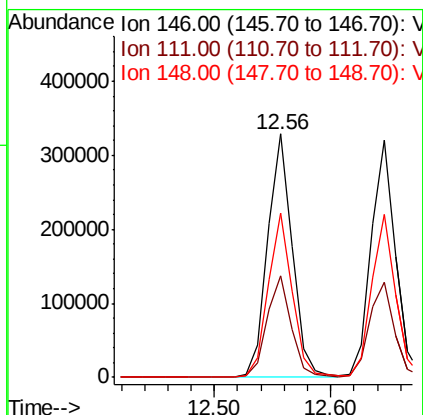
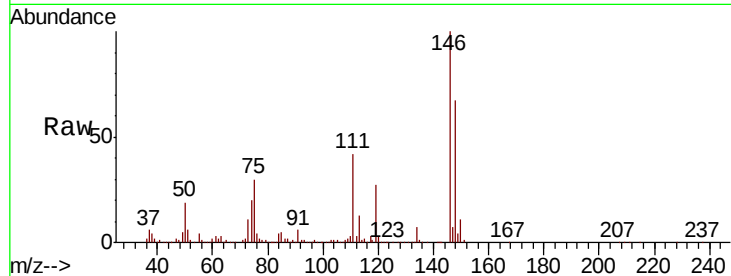




#87
 1,3-Dichlorobenzene
 Concen: 64.208 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

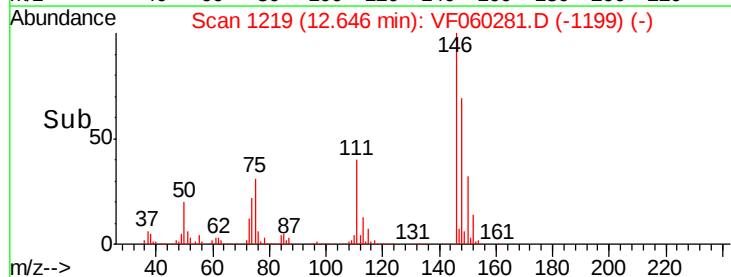
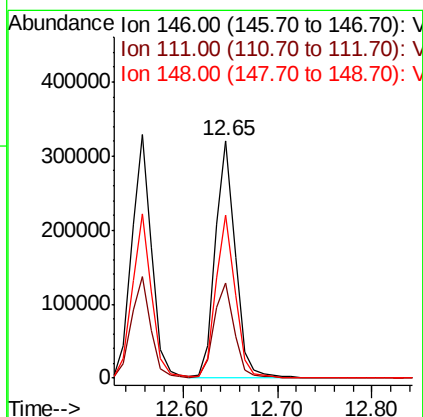
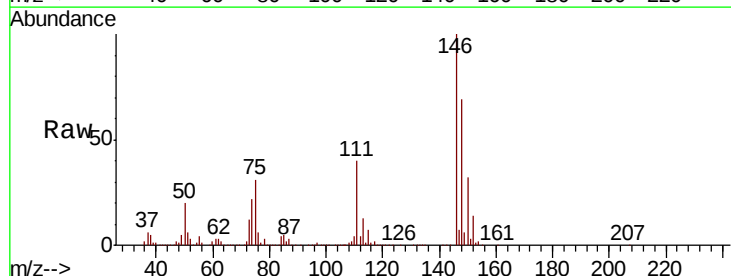
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

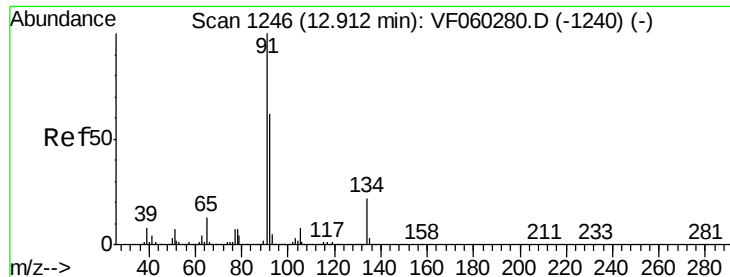
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	67.4	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 63.388 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.7	56.1
148	68.7	32.4	97.0





#89

n-Butylbenzene

Concen: 62.737 ug/l

RT: 12.92 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

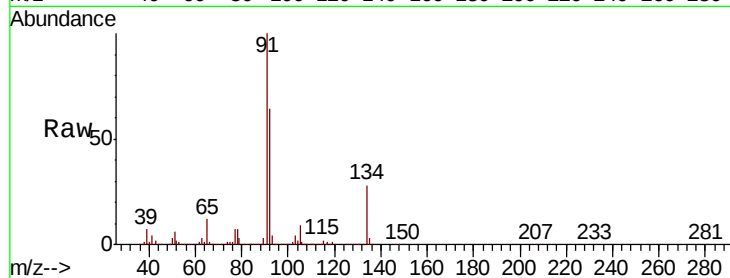
Tgt Ion: 91 Resp: 1110064

Ion Ratio Lower Upper

91 100

92 64.4 31.1 93.5

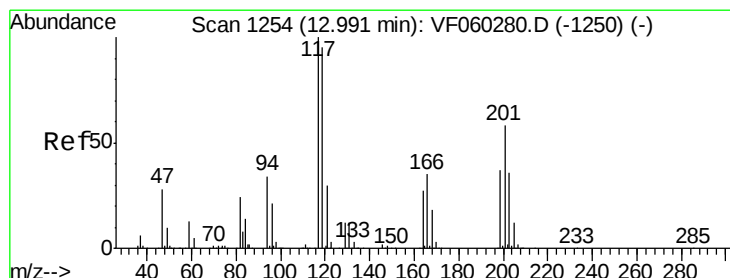
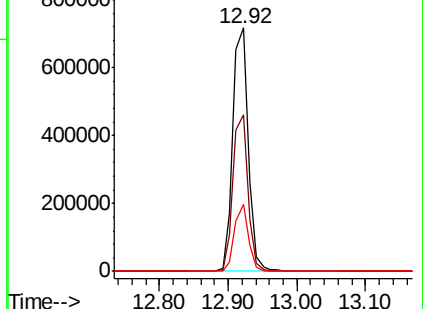
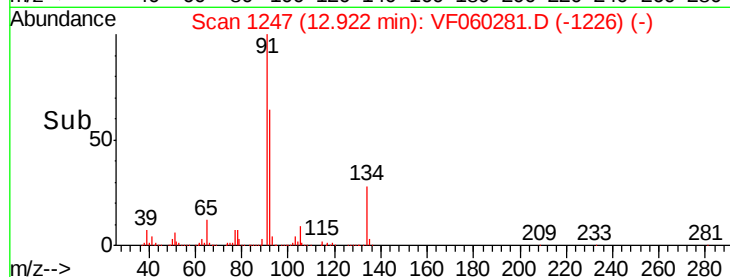
134 27.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF060281.D (-1246) (-)

Ion 92.00 (91.70 to 92.70): VF060281.D (-1246) (-)

Ion 134.00 (133.70 to 134.70): VF060281.D (-1246) (-)



#90

Hexachloroethane

Concen: 66.614 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF060281.D

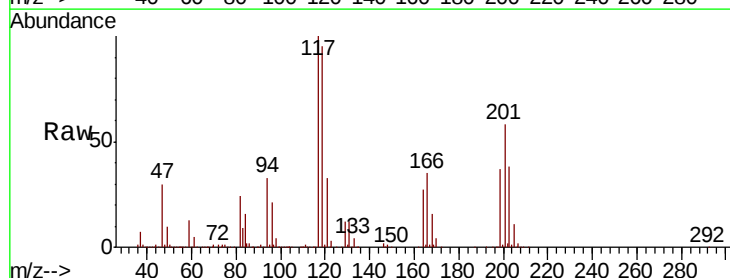
Acq: 19 Sep 2018 14:42

Tgt Ion: 117 Resp: 284588

Ion Ratio Lower Upper

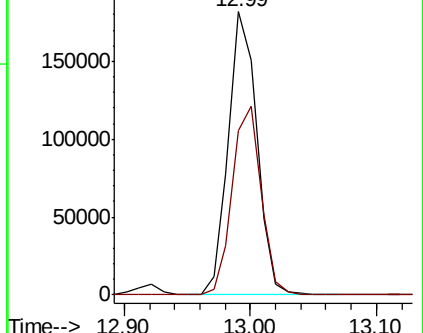
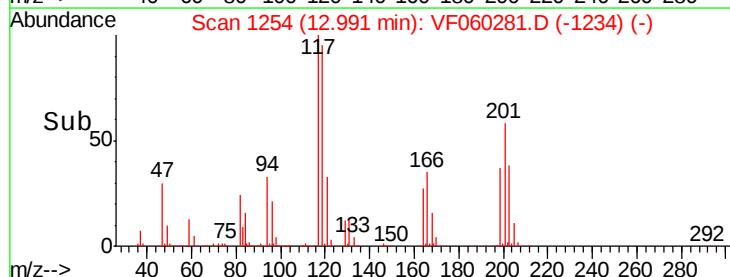
117 100

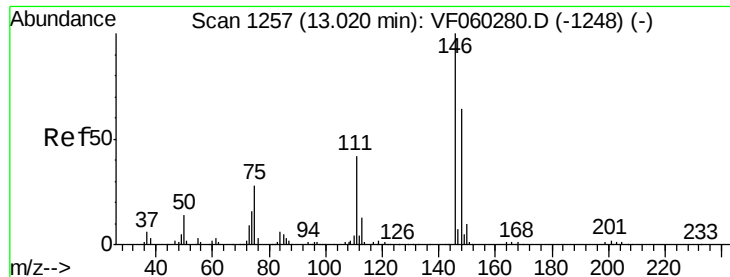
201 58.0 29.0 87.0



Abundance Ion 117.00 (116.70 to 117.70): VF060281.D (-1234) (-)

Ion 201.00 (200.70 to 201.70): VF060281.D (-1234) (-)

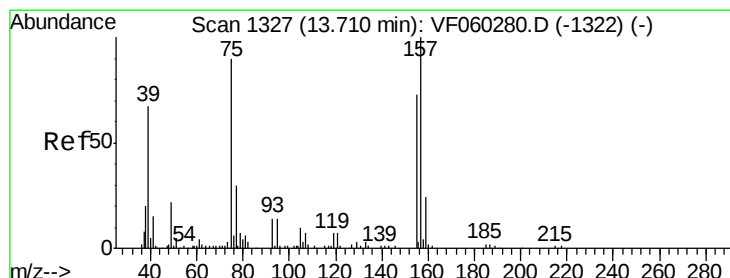
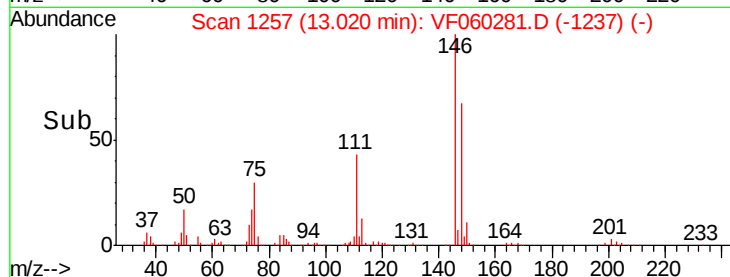
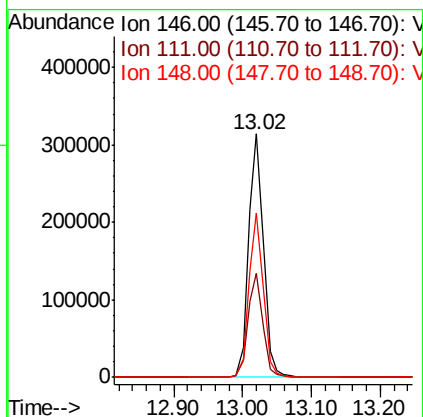
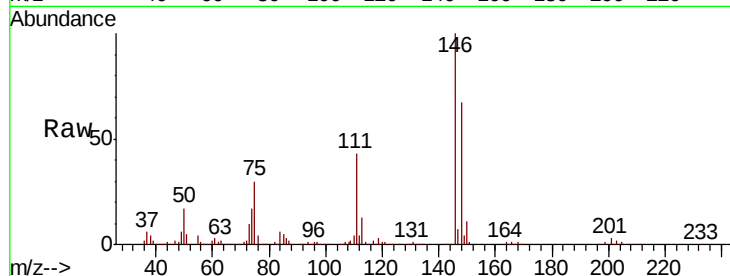




#91
 1,2-Dichlorobenzene
 Concen: 64.233 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

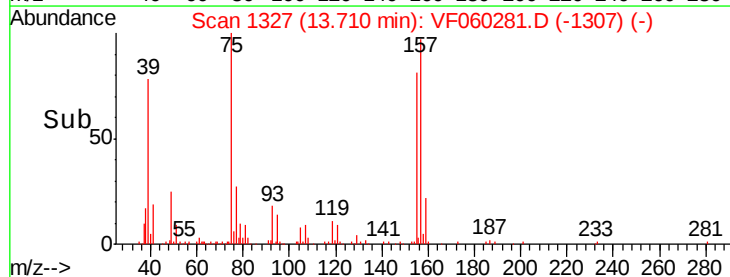
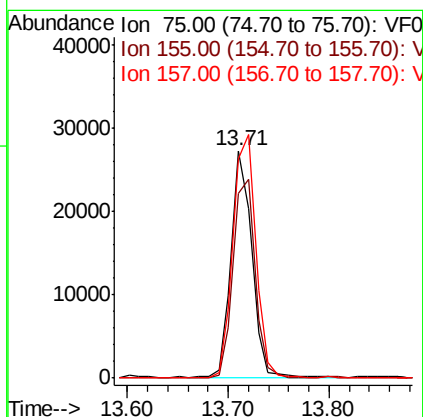
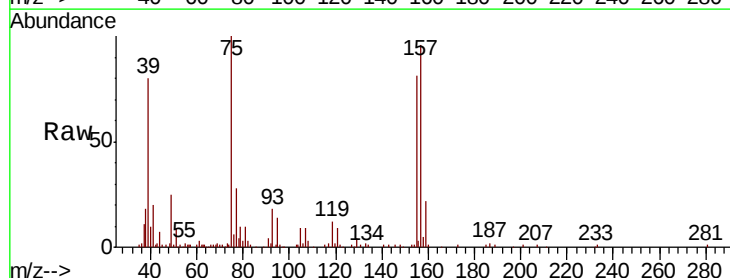
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

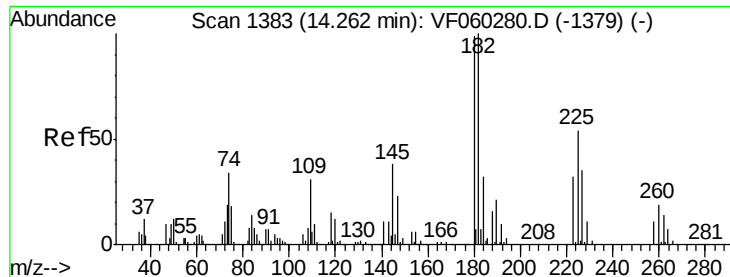
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	67.4	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.269 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	41.9	125.7
157	96.4	57.4	172.0

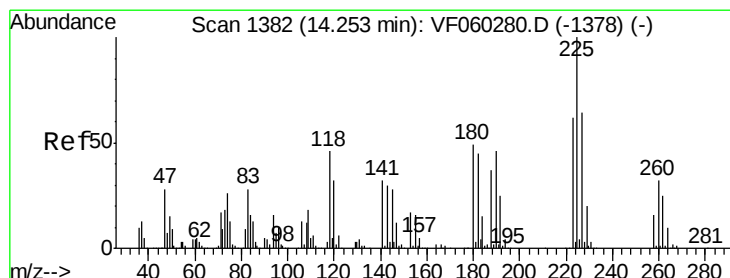
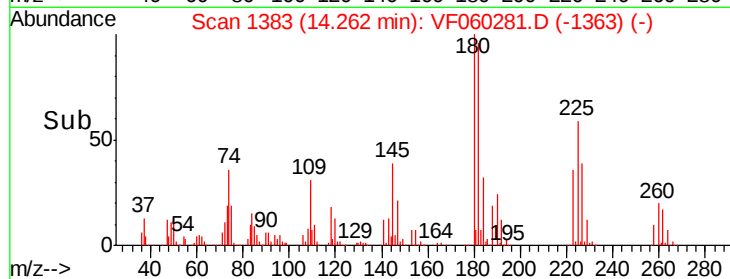
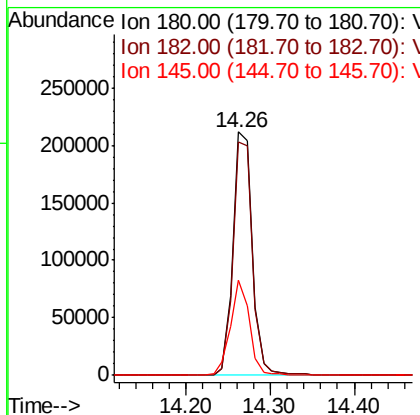
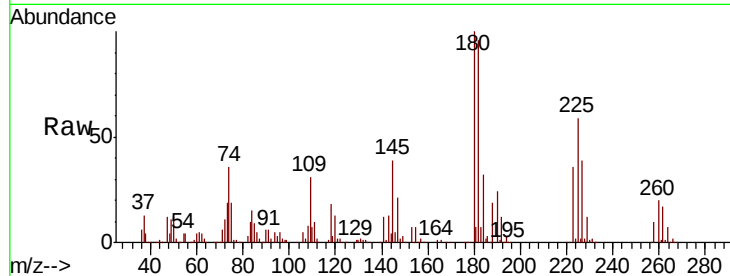




#93
 1,2,4-Trichlorobenzene
 Concen: 64.909 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

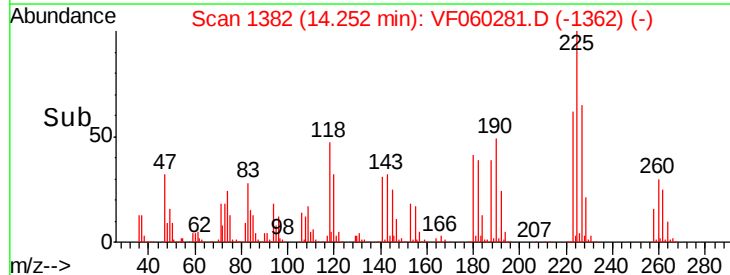
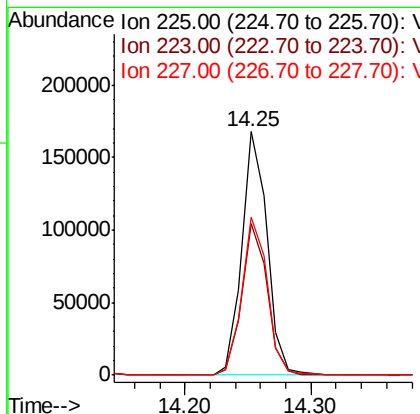
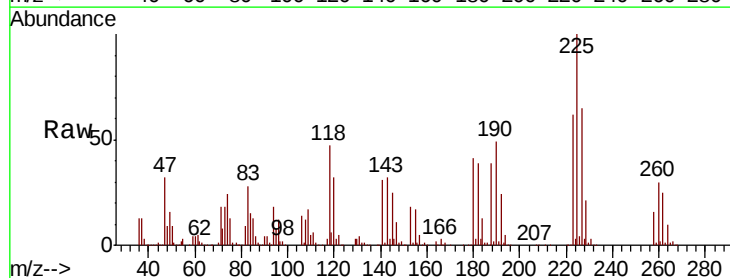
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

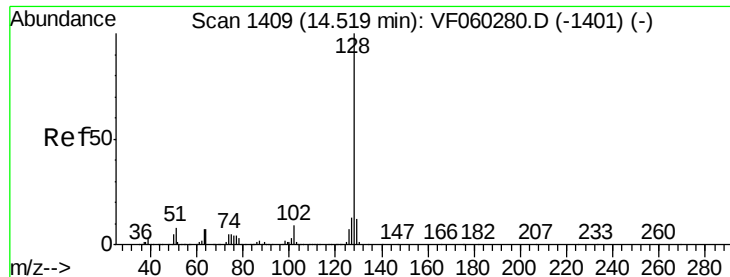
Tgt Ion:180 Resp: 339103
 Ion Ratio Lower Upper
 180 100
 182 96.1 50.3 151.0
 145 38.8 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 65.879 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060281.D
 Acq: 19 Sep 2018 14:42

Tgt Ion:225 Resp: 232659
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 64.9 32.2 96.6





#95

Naphthalene

Concen: 69.062 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

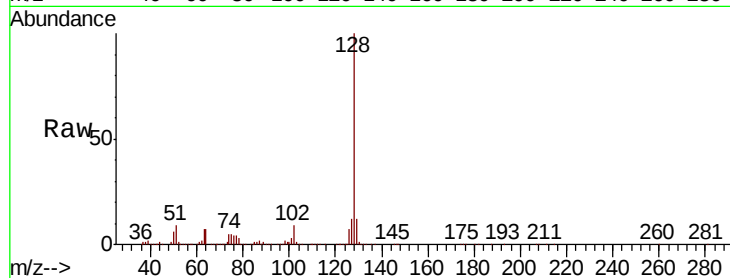
Tgt Ion:128 Resp: 632572

Ion Ratio Lower Upper

128 100

127 12.3 10.1 15.1

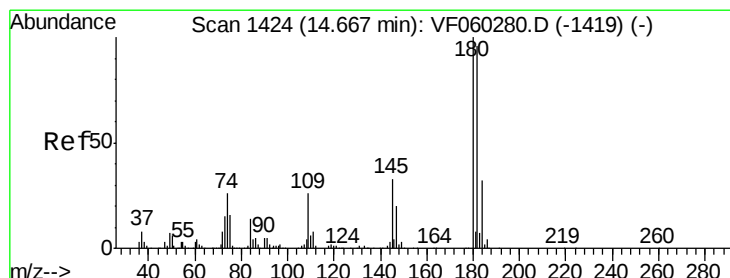
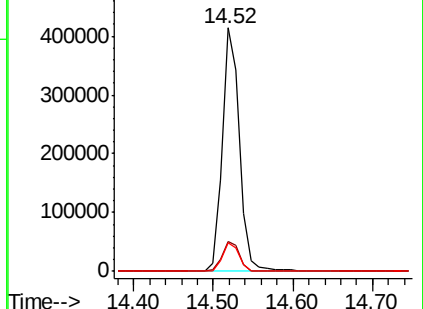
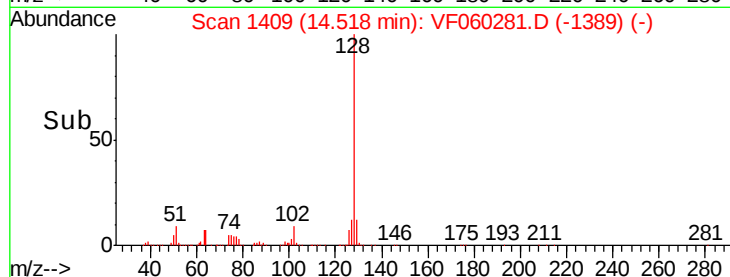
129 11.7 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 67.475 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060281.D

Acq: 19 Sep 2018 14:42

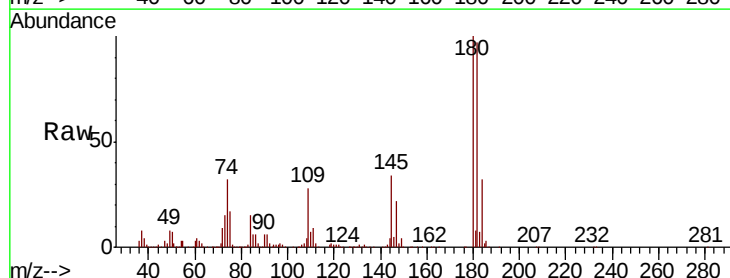
Tgt Ion:180 Resp: 325723

Ion Ratio Lower Upper

180 100

182 97.1 47.8 143.4

145 33.7 16.4 49.1



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

