

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042519\
 Data File : VF062291.D
 Acq On : 25 Apr 2019 14:50
 Operator : FY/SY
 Sample : VF0425SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBSD01

Quant Time: Apr 26 01:25:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	419746	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	590047	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.91	117	408347	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	241737	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	183102	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	
35) Dibromofluoromethane	4.31	113	222259	50.80	ug/l	-0.01
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	7.71	98	494039	46.23	ug/l	-0.01
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.49	95	199592	45.31	ug/l	-0.01
Spiked Amount			Recovery	=	90.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	109847	22.022	ug/l	92
3) Chloromethane	1.14	50	83726	19.924	ug/l	97
4) Vinyl Chloride	1.18	62	81905	20.580	ug/l	99
5) Bromomethane	1.40	94	52600	19.462	ug/l	89
6) Chloroethane	1.44	64	37263	21.359	ug/l	96
7) Trichlorofluoromethane	1.56	101	132522	20.955	ug/l	92
8) Diethyl Ether	1.71	74	22599	19.725	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.91	101	82171	20.704	ug/l	97
10) Methyl Iodide	1.99	142	137478	19.817	ug/l	93
11) Tert butyl alcohol	2.70	59	20274	98.575	ug/l #	91
12) 1,1-Dichloroethene	1.87	96	72976	20.608	ug/l	97
13) Acrolein	2.09	56	17468	95.850	ug/l	91
14) Allyl chloride	2.20	41	73985	19.197	ug/l #	66
15) Acrylonitrile	3.08	53	56310	98.852	ug/l	93
16) Acetone	2.36	43	80311	105.499	ug/l #	88
17) Carbon Disulfide	1.91	76	177894	19.088	ug/l	96
18) Methyl Acetate	2.46	43	32140	20.967	ug/l	95
19) Methyl tert-butyl Ether	2.55	73	139895	20.722	ug/l	97
20) Methylene Chloride	2.35	84	74503m	19.728	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	68789	19.656	ug/l	98
22) Diisopropyl ether	2.94	45	207683	20.018	ug/l	99
23) Vinyl Acetate	3.35	43	458422	99.642	ug/l	99
24) 1,1-Dichloroethane	3.01	63	125152	21.135	ug/l	97
25) 2-Butanone	4.53	43	120517	99.845	ug/l	99
26) 2,2-Dichloropropane	3.78	77	66252	21.545	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	88457	19.960	ug/l	98
28) Bromochloromethane	3.90	49	50883	20.391	ug/l #	99
29) Tetrahydrofuran	4.27	42	51403	96.919	ug/l	98
30) Chloroform	4.05	83	151168	20.330	ug/l	99
31) Cyclohexane	3.87	56	108841	19.317	ug/l	96
32) 1,1,1-Trichloroethane	4.29	97	104523	17.904	ug/l #	86
36) 1,1-Dichloropropene	4.47	75	109412	20.099	ug/l	99
37) Ethyl Acetate	4.32	43	44737	19.534	ug/l	93
38) Carbon Tetrachloride	4.18	117	110454	19.959	ug/l	95

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 Misc : 5.00g/5mL/MSVOA F/SOIL
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 ClientSampleId :
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Quant Time: Apr 26 01:25:08 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	123017	19.358	ug/l	99
40) Benzene	4.82	78	263875	20.063	ug/l	99
41) Methacrylonitrile	4.94	41	28078	22.069	ug/l	96
42) 1,2-Dichloroethane	5.13	62	86302	20.713	ug/l	96
43) Isopropyl Acetate	7.12	43	48118	20.379	ug/l	97
44) Trichloroethene	5.69	130	91308	20.519	ug/l	95
45) 1,2-Dichloropropane	6.41	63	58034	19.570	ug/l	94
46) Dibromomethane	6.26	93	46201	21.577	ug/l	97
47) Bromodichloromethane	6.55	83	105519	20.962	ug/l	94
48) Methyl methacrylate	6.88	41	30276	18.044	ug/l	100
49) 1,4-Dioxane	6.87	88	7772	402.268	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	177044	98.115	ug/l	99
52) Toluene	7.78	92	139288	18.353	ug/l	100
53) t-1,3-Dichloropropene	8.43	75	73559	19.873	ug/l	90
54) cis-1,3-Dichloropropene	7.46	75	89459	18.866	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	41350	19.184	ug/l	96
56) Ethyl methacrylate	8.75	69	43393	18.325	ug/l	94
57) 1,3-Dichloropropane	9.00	76	65108	19.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	66072	91.697	ug/l	100
59) 2-Hexanone	9.62	43	112164	92.915	ug/l	100
60) Dibromochloromethane	8.86	129	68587	19.606	ug/l	99
61) 1,2-Dibromoethane	9.13	107	47071	18.869	ug/l	95
64) Tetrachloroethene	8.30	164	71086	20.813	ug/l	97
65) Chlorobenzene	9.94	112	153272	20.540	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	74626	21.232	ug/l	99
67) Ethyl Benzene	10.03	91	261659	20.170	ug/l	97
68) m/p-Xylenes	10.26	106	198870	41.175	ug/l	93
69) o-Xylene	10.82	106	111240	20.615	ug/l	99
70) Styrene	10.89	104	154094	19.754	ug/l	99
71) Bromoform	10.88	173	41366	20.908	ug/l #	98
73) Isopropylbenzene	11.22	105	347054	20.954	ug/l	98
74) N-amyl acetate	11.45	43	77532	20.317	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	50269	19.104	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	40844	21.877	ug/l #	100
77) Bromobenzene	11.58	156	80488	19.439	ug/l	97
78) n-propylbenzene	11.67	91	355605	20.405	ug/l	96
79) 2-Chlorotoluene	11.80	91	212296	20.224	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	297032	21.244	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	15559m	18.644	ug/l	
82) 4-Chlorotoluene	11.98	91	203118	19.555	ug/l	99
83) tert-Butylbenzene	12.19	119	305736	21.307	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	270641	19.986	ug/l	97
85) sec-Butylbenzene	12.37	105	371127	20.765	ug/l	99
86) p-Isopropyltoluene	12.52	119	338837	21.146	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	153624	20.972	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	141771	20.412	ug/l	98
89) n-Butylbenzene	12.89	91	315371	21.661	ug/l	94
90) Hexachloroethane	12.97	117	85742	21.347	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	143801	20.451	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9865	18.584	ug/l	93

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Instrument :
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ClientSampleId :
VF0425SBSD01

Quant Time: Apr 26 01:25:08 2019
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 08:40:59 2019
Response via : Initial Calibration

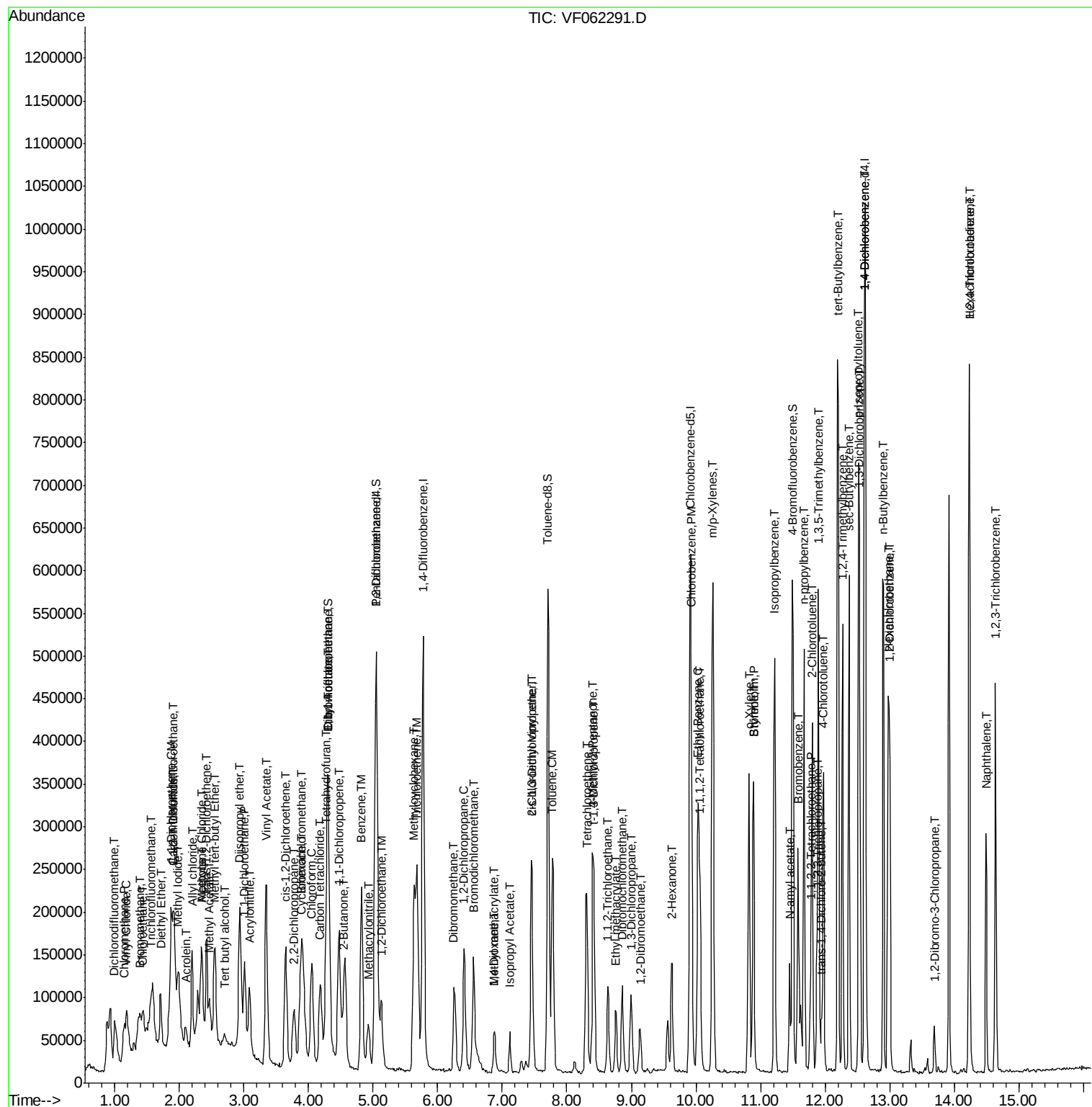
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	134411	21.759	ug/l	99
94) Hexachlorobutadiene	14.23	225	95501	21.497	ug/l	96
95) Naphthalene	14.49	128	200499	20.951	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	130402	22.320	ug/l	98

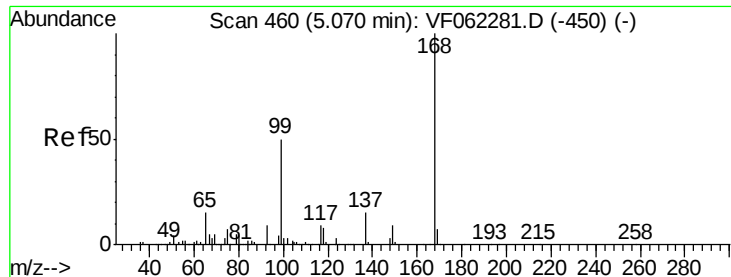
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Data File : VF062291.D
 Acq On : 25 Apr 2019 14:50
 Operator : FY/SY
 Sample : VF0425SBSD01
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Instrument :
 MSVOA_F
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 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

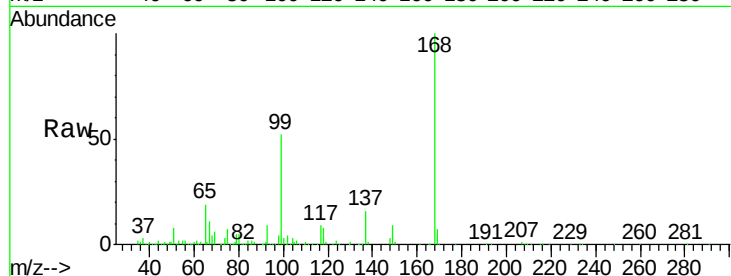
VF0425SBS01

Tot Ion:168 Resp: 419746

Ion Ratio Lower Upper

168 100

99 52.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

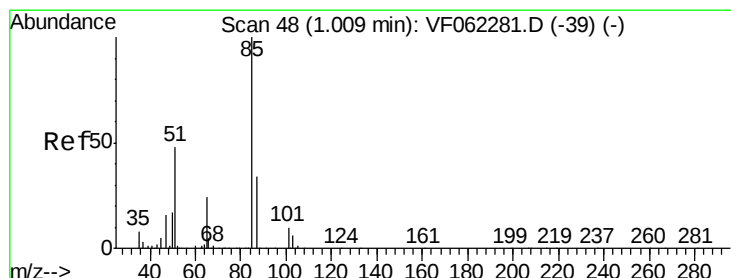
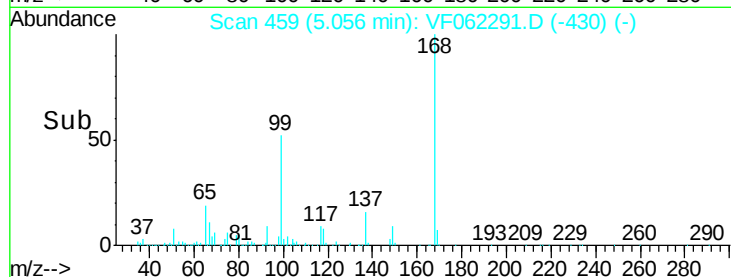
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 22.022 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062291.D

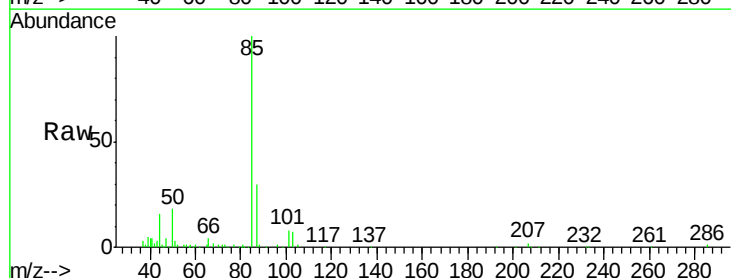
Acq: 25 Apr 2019 14:50

Tgt Ion: 85 Resp: 109847

Ion Ratio Lower Upper

85 100

87 29.8 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

30000

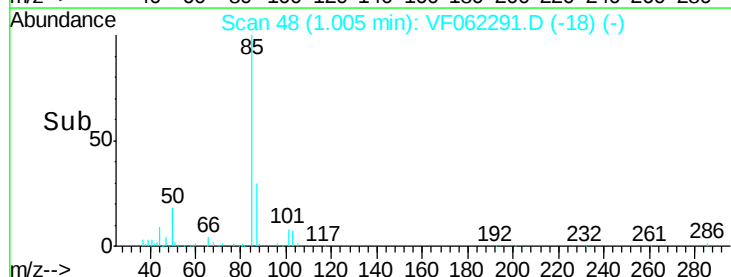
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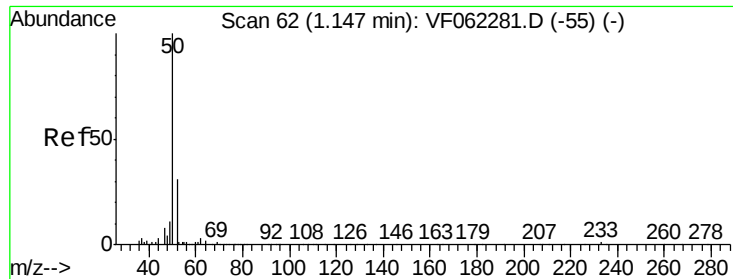
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 19.924 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

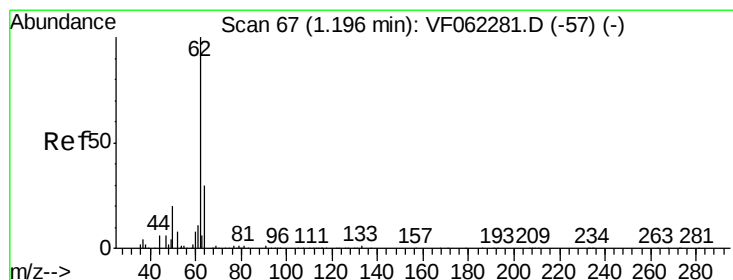
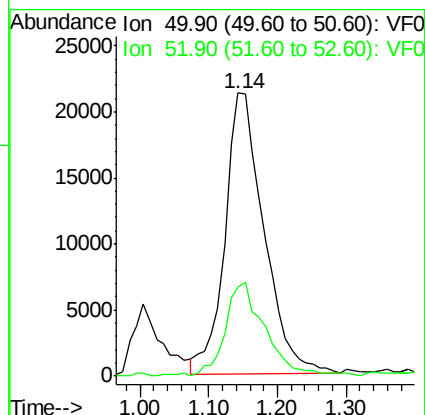
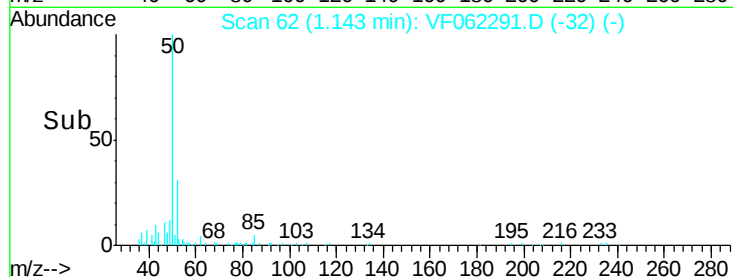
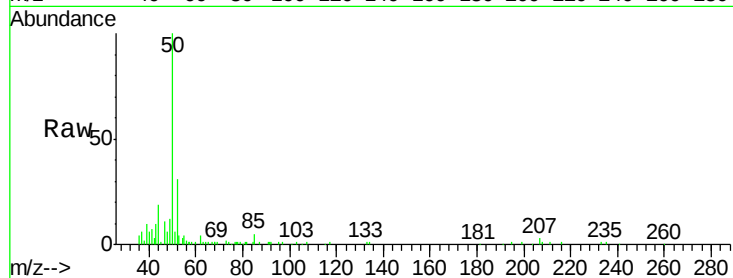
VF0425SBS01

Tot Ion: 50 Resp: 83726

Ion Ratio Lower Upper

50 100

52 31.8 24.2 36.4



#4

Vinyl Chloride

Concen: 20.580 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.01 min

Lab File: VF062291.D

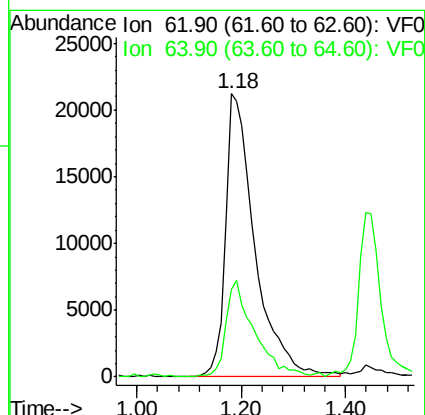
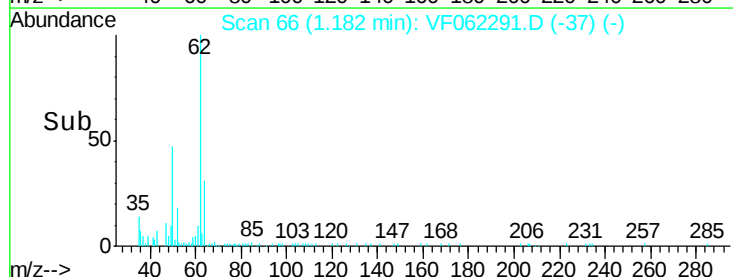
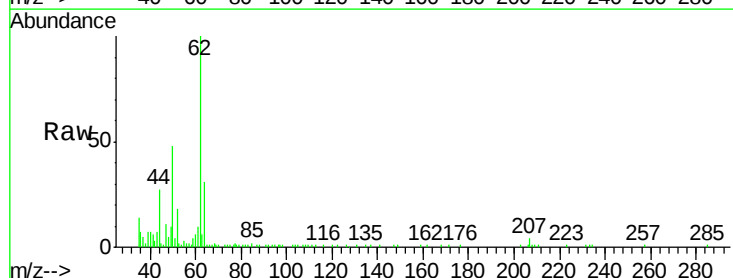
Acq: 25 Apr 2019 14:50

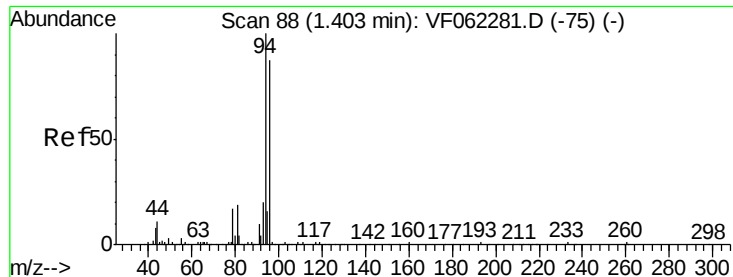
Tgt Ion: 62 Resp: 81905

Ion Ratio Lower Upper

62 100

64 31.0 24.3 36.5





#5

Bromomethane

Concen: 19.462 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

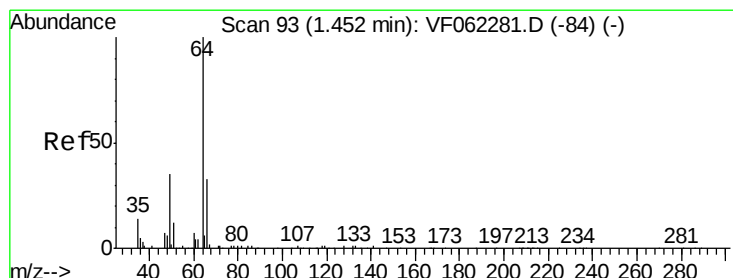
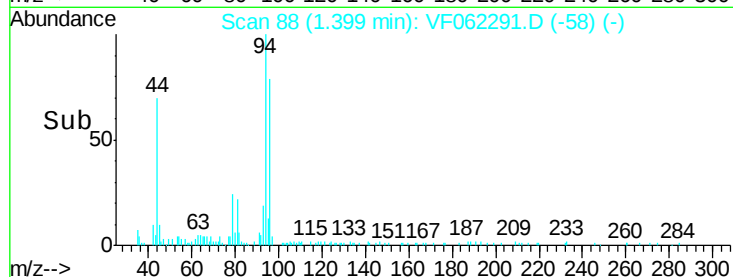
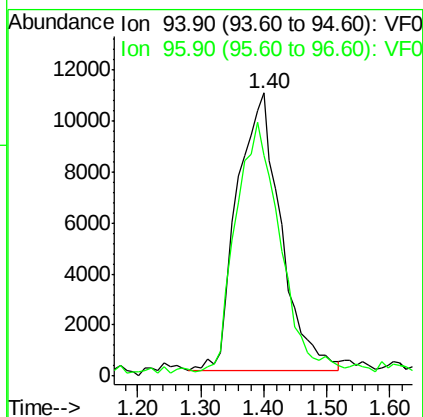
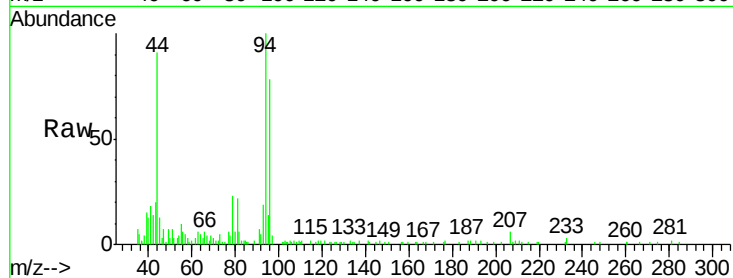
VF0425SBS01

Tot Ion: 94 Resp: 52600

Ion Ratio Lower Upper

94 100

96 76.9 69.5 104.3



#6

Chloroethane

Concen: 21.359 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062291.D

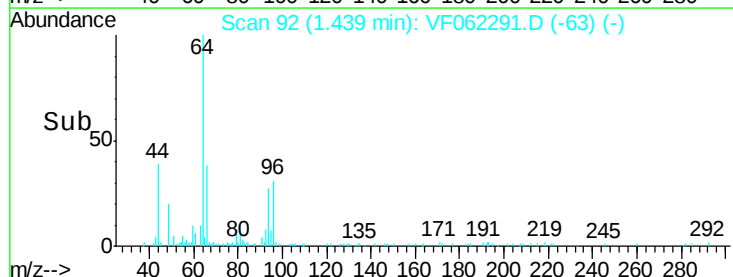
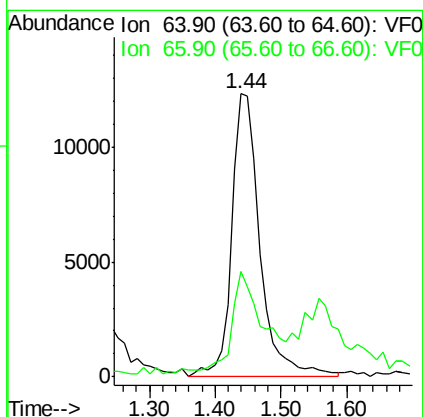
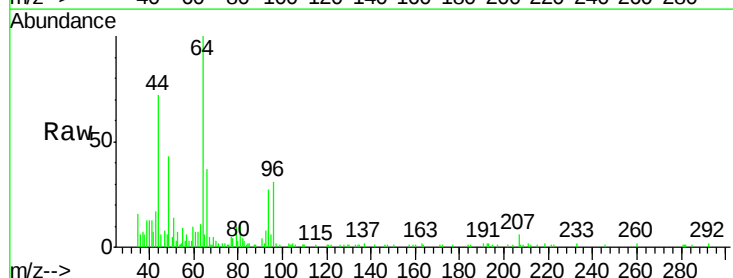
Acq: 25 Apr 2019 14:50

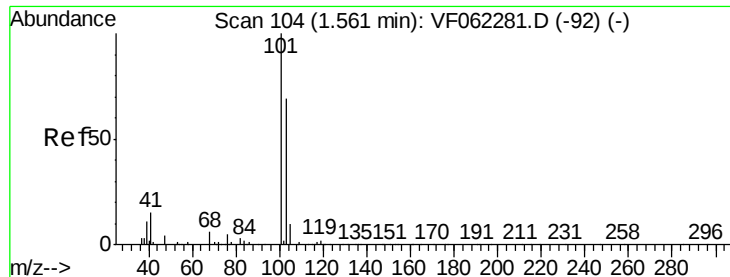
Tgt Ion: 64 Resp: 37263

Ion Ratio Lower Upper

64 100

66 34.8 26.0 39.0



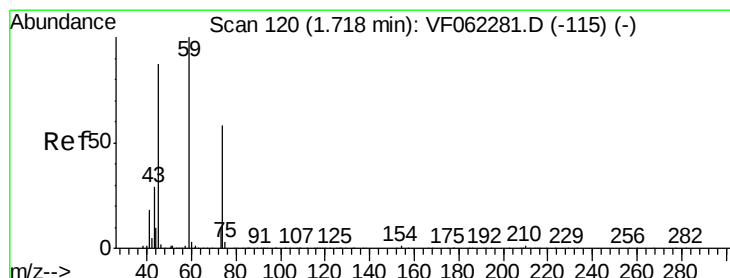
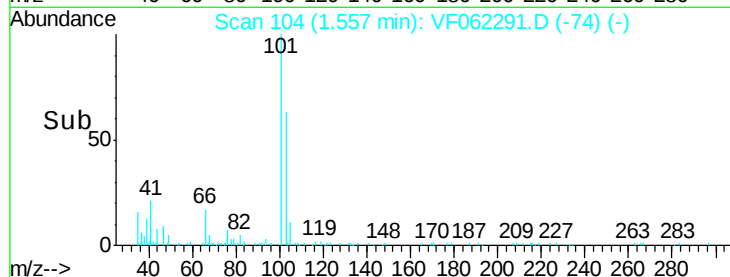
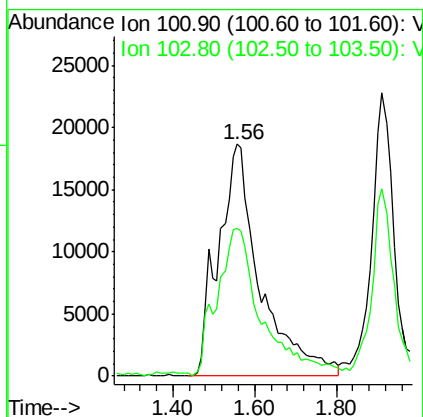
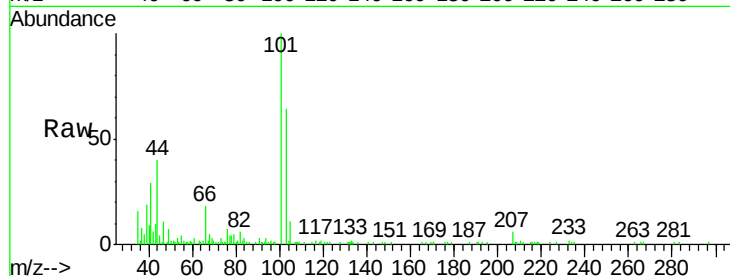


#7

Trichlorofluoromethane
Concen: 20.955 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

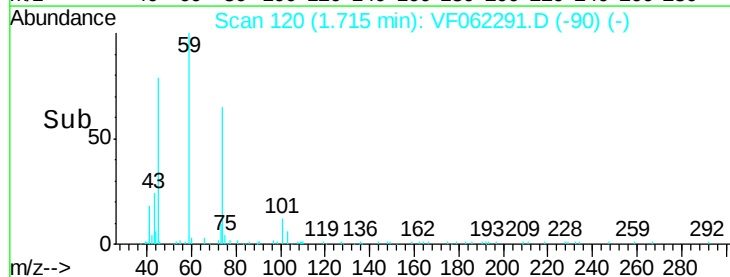
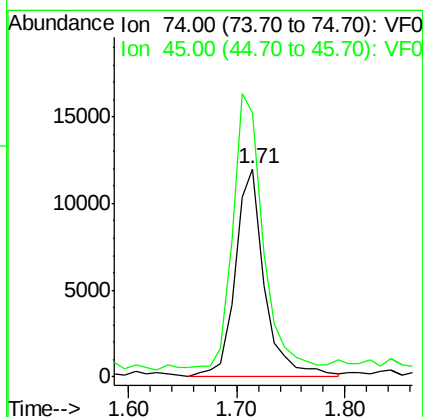
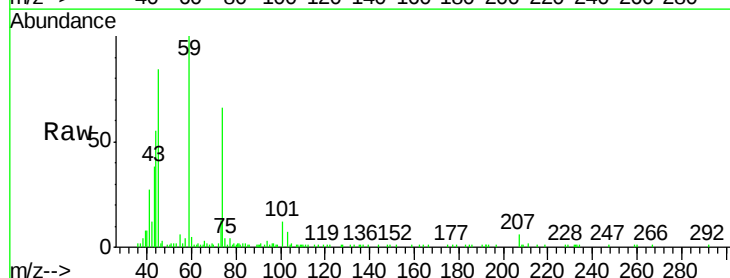
Tot Ion:101 Resp: 132522
Ion Ratio Lower Upper
101 100
103 62.6 55.0 82.6

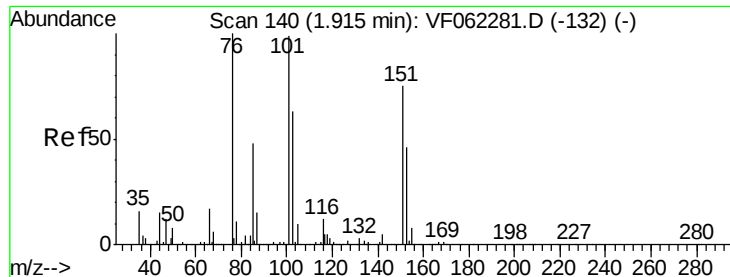


#8

Diethyl Ether
Concen: 19.725 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion: 74 Resp: 22599
Ion Ratio Lower Upper
74 100
45 134.3 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.704 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

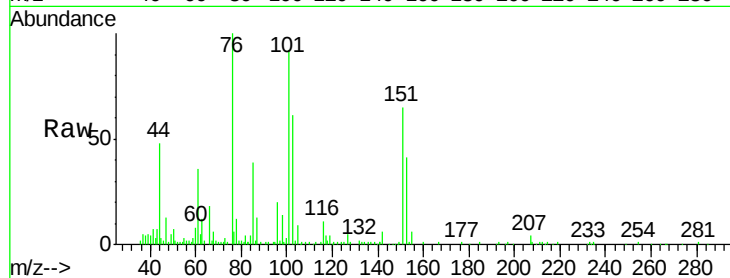
Tot Ion:101 Resp: 82171

Ion Ratio Lower Upper

101 100

85 46.7 36.5 54.7

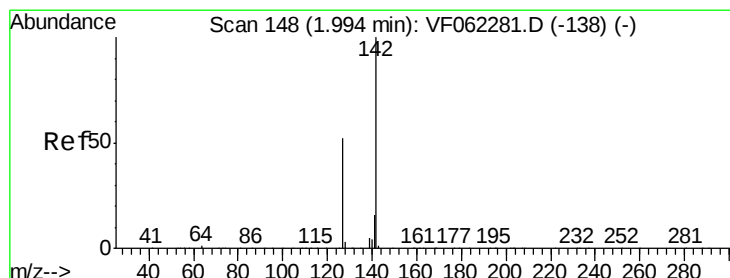
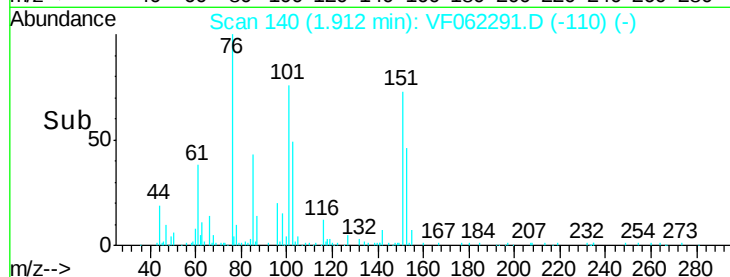
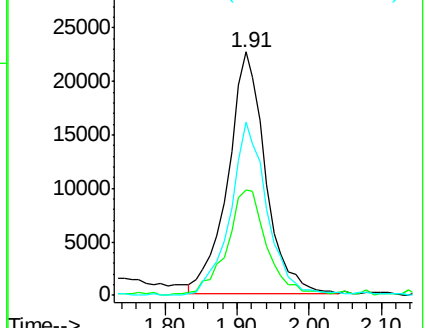
151 70.8 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.817 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

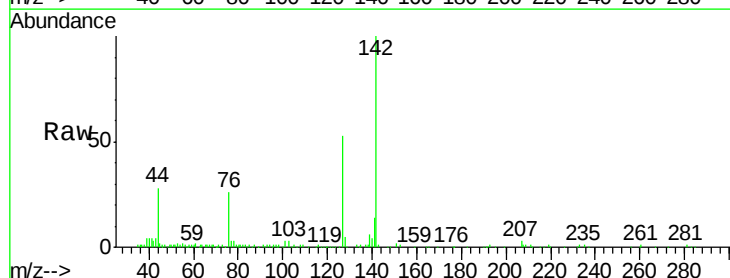
Tgt Ion:142 Resp: 137478

Ion Ratio Lower Upper

142 100

127 47.4 43.0 64.4

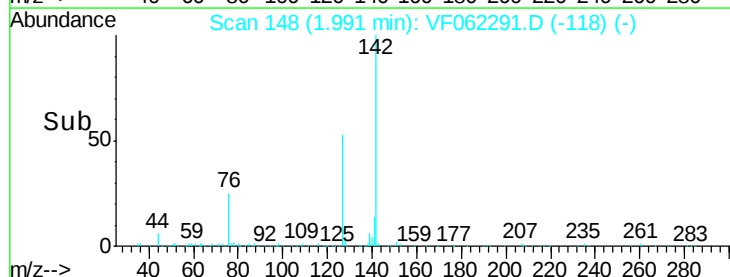
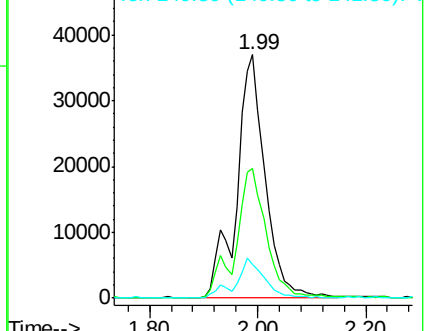
141 16.3 12.3 18.5

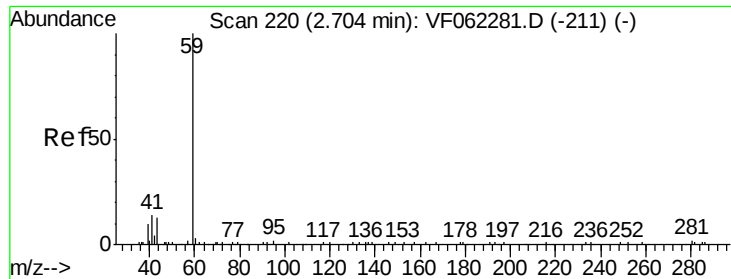


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

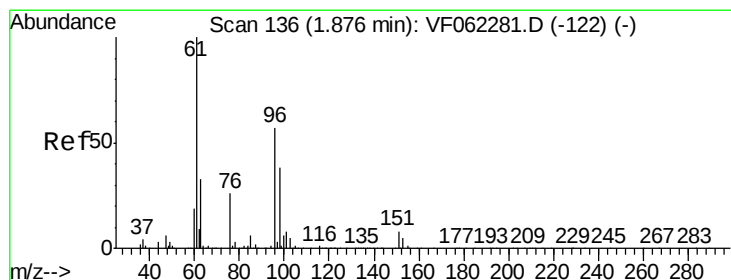
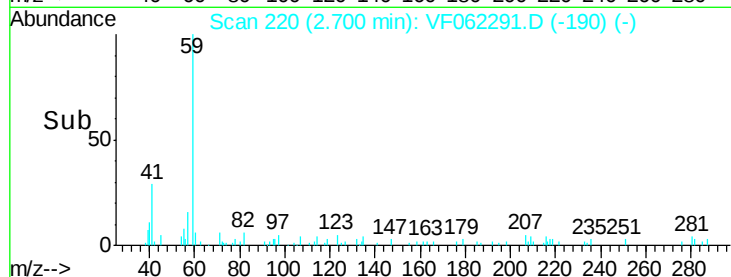
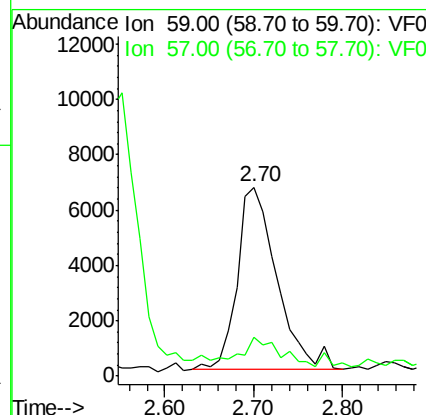
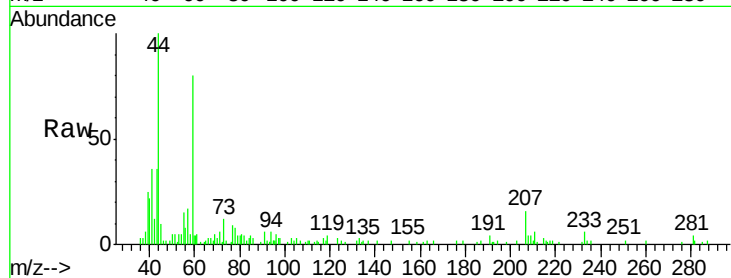




#11
Tert butyl alcohol
Concen: 98.575 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

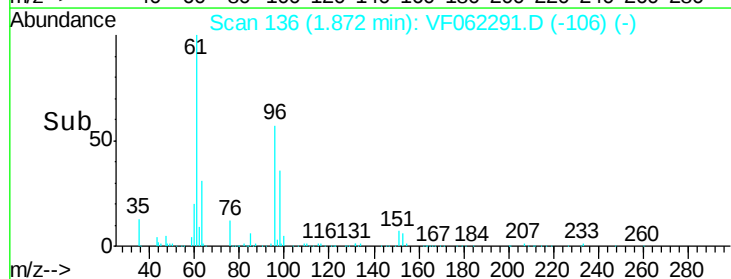
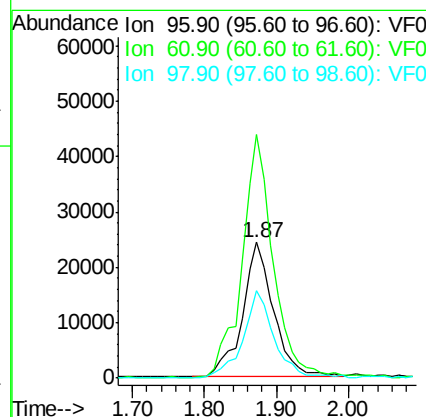
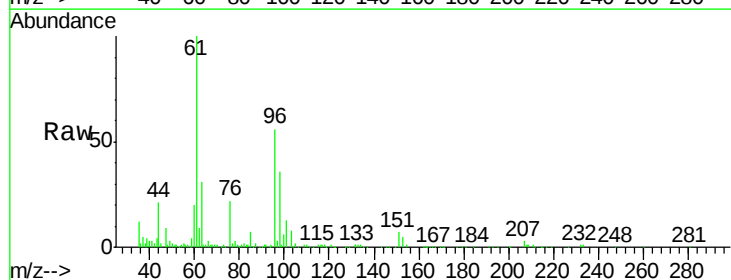
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

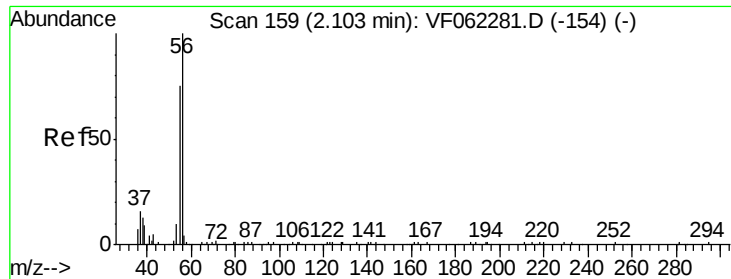
Tot Ion: 59 Resp: 20274
Ion Ratio Lower Upper
59 100
57 14.3 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 20.608 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion: 96 Resp: 72976
Ion Ratio Lower Upper
96 100
61 180.7 141.1 211.7
98 65.1 53.4 80.0





#13

Acrolein

Concen: 95.850 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

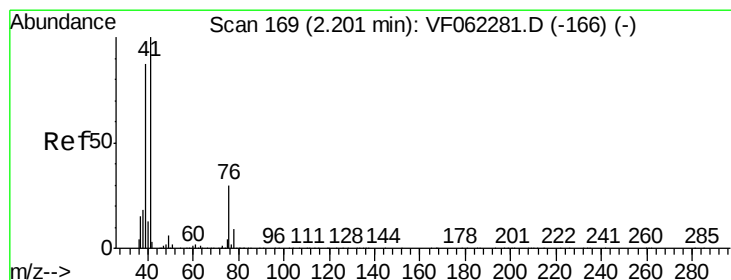
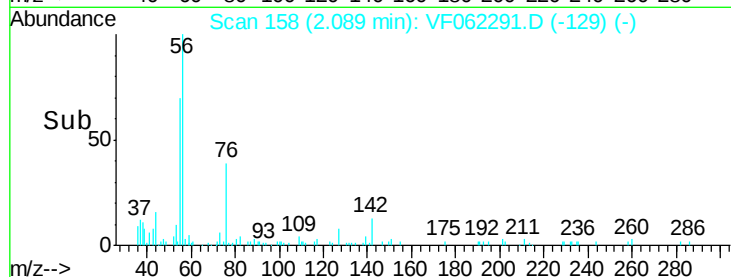
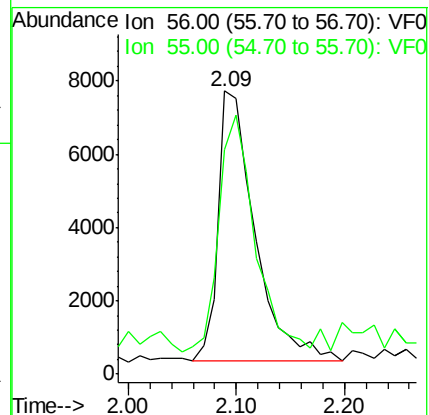
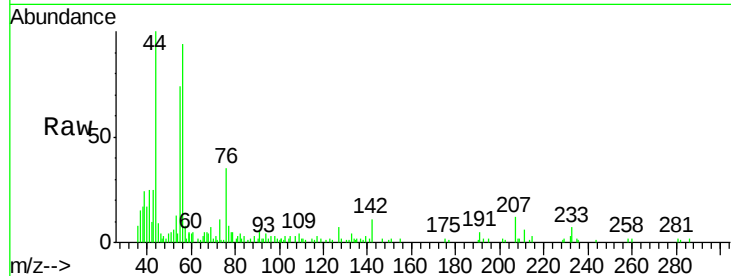
VF0425SBS01

Tot Ion: 56 Resp: 17468

Ion Ratio Lower Upper

56 100

55 85.6 62.3 93.5



#14

Allyl chloride

Concen: 19.197 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

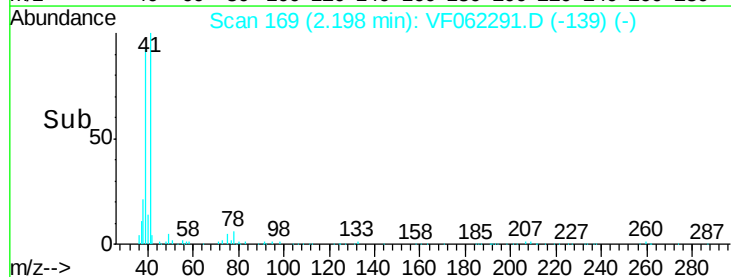
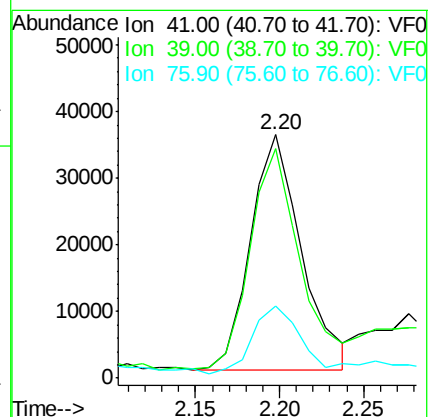
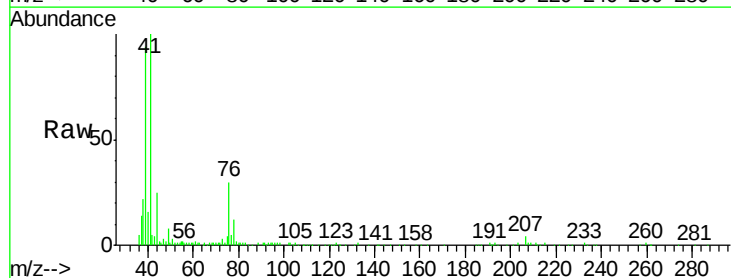
Tgt Ion: 41 Resp: 73985

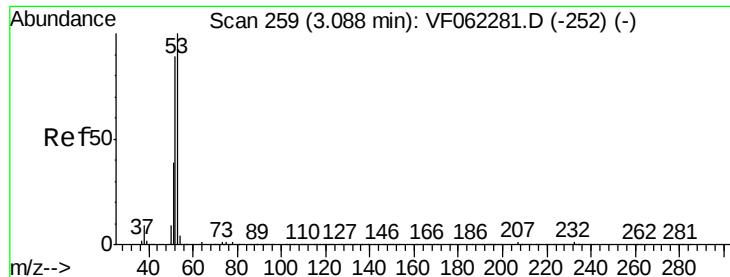
Ion Ratio Lower Upper

41 100

39 92.2 50.3 75.5#

76 28.2 14.8 22.2#





#15

Acrylonitrile

Concen: 98.852 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

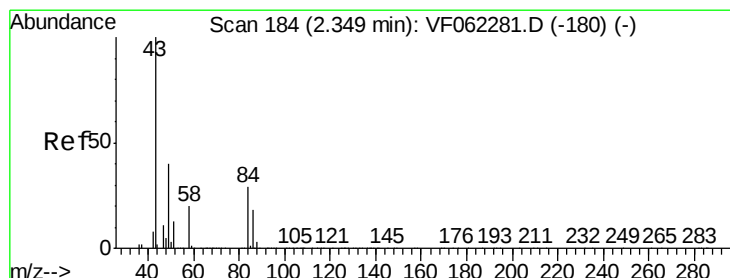
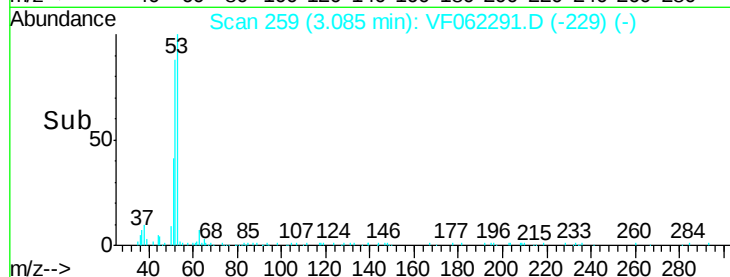
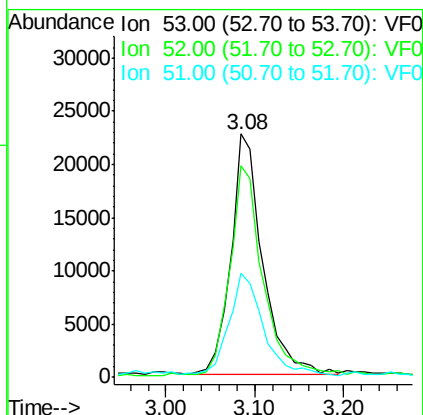
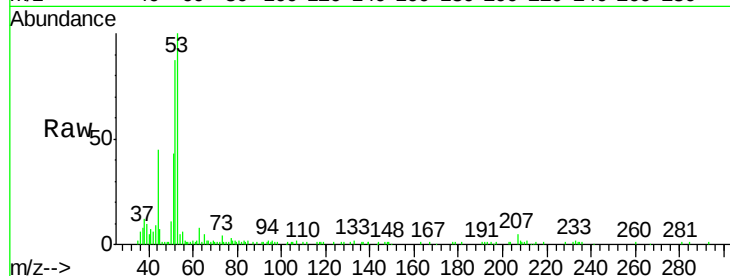
Tot Ion: 53 Resp: 56310

Ion Ratio Lower Upper

53 100

52 94.7 70.6 105.8

51 45.5 32.6 48.8



#16

Acetone

Concen: 105.499 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062291.D

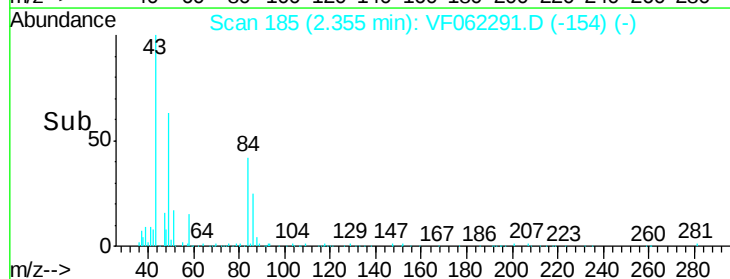
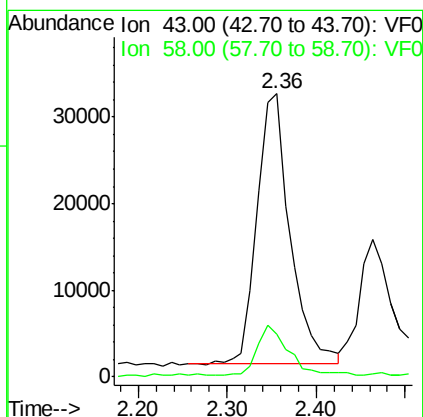
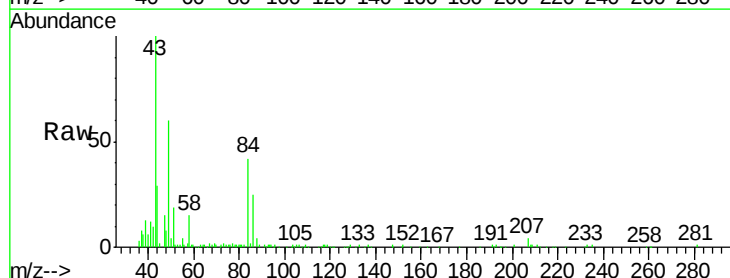
Acq: 25 Apr 2019 14:50

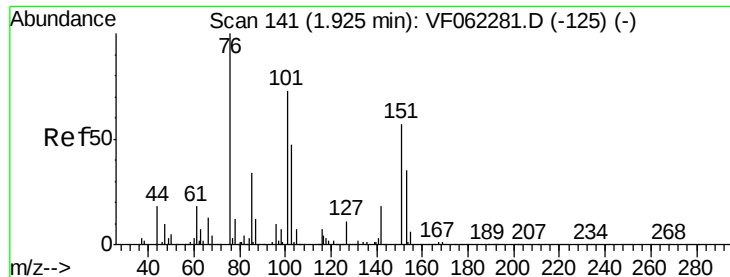
Tgt Ion: 43 Resp: 80311

Ion Ratio Lower Upper

43 100

58 15.0 16.4 24.6#





#17

Carbon Disulfide

Concen: 19.088 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

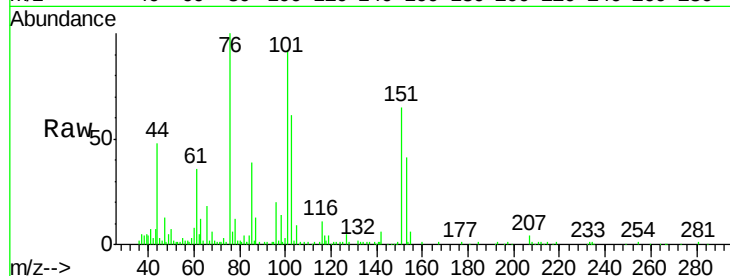
VF0425SBS01

Tot Ion: 76 Resp: 177894

Ion Ratio Lower Upper

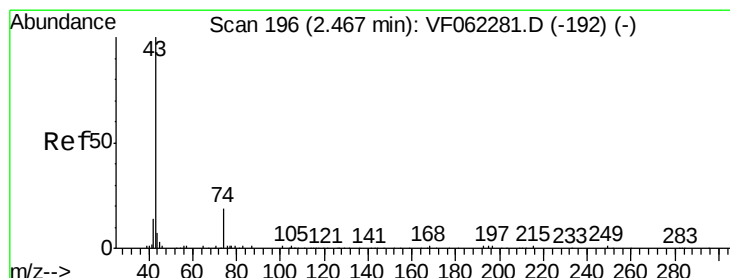
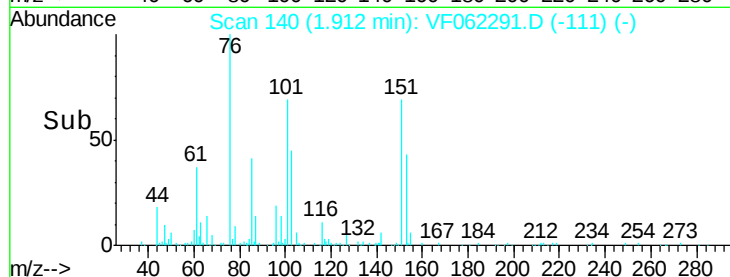
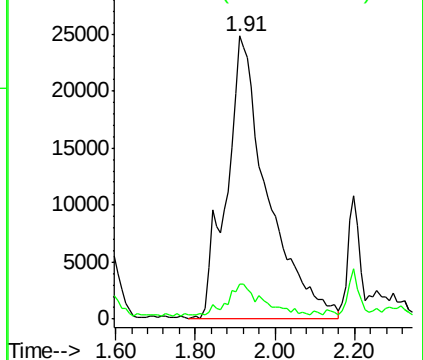
76 100

78 10.8 9.8 14.8



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#18

Methyl Acetate

Concen: 20.967 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062291.D

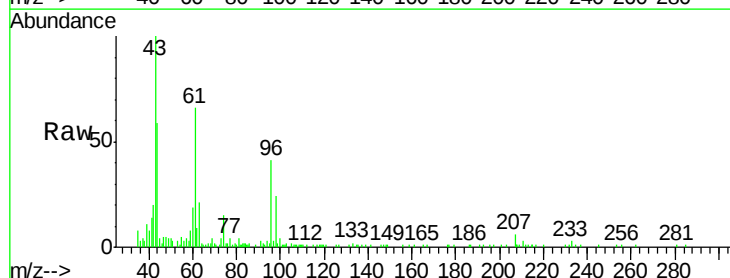
Acq: 25 Apr 2019 14:50

Tgt Ion: 43 Resp: 32140

Ion Ratio Lower Upper

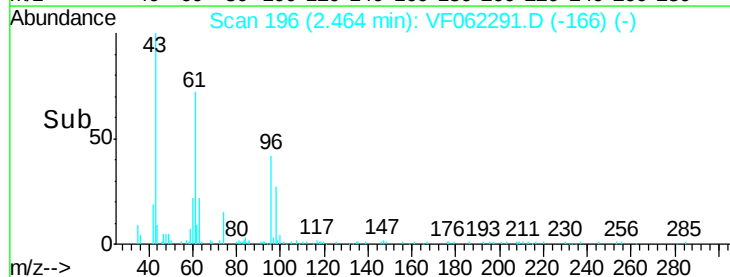
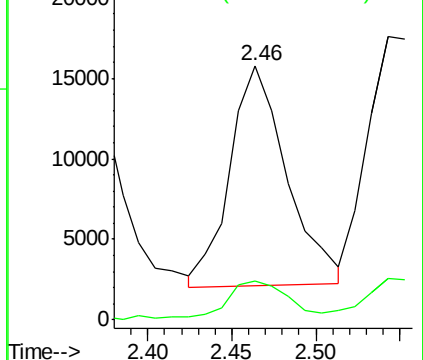
43 100

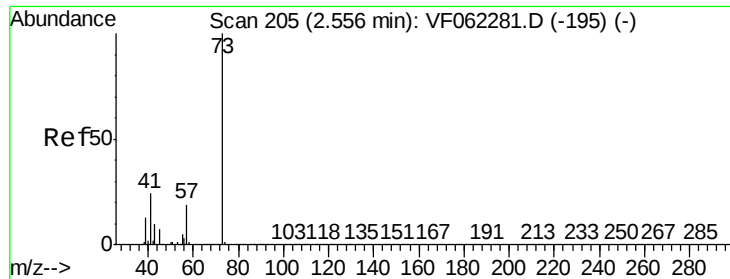
74 20.1 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



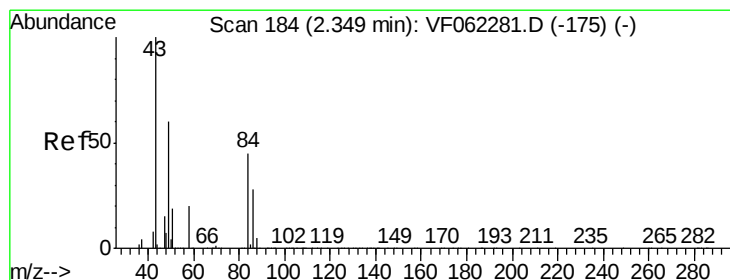
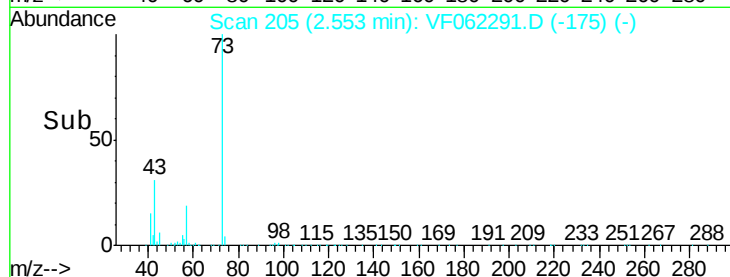
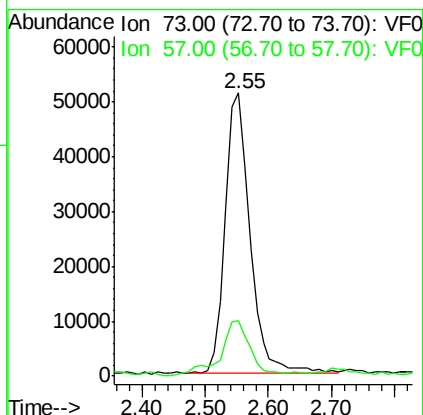
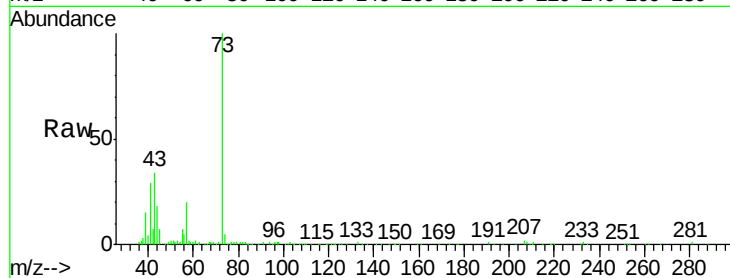


#19

Methyl tert-butyl Ether
 Concen: 20.722 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

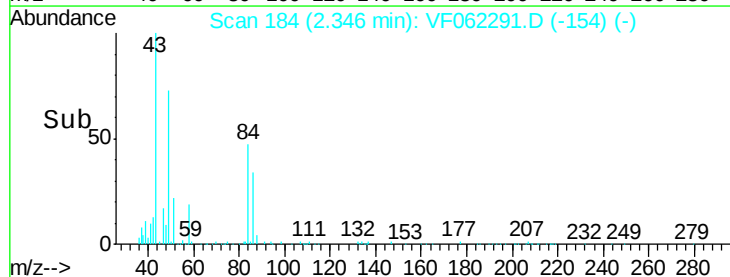
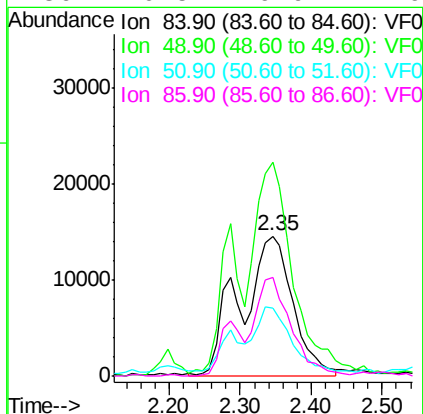
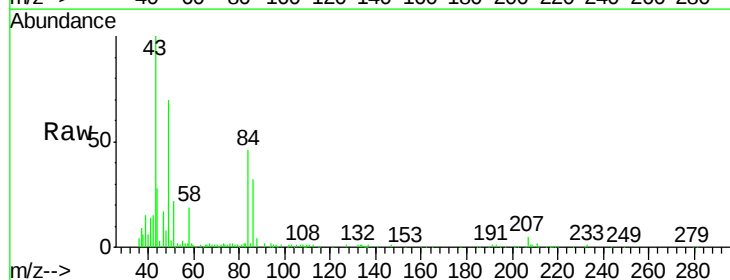
Tot Ion: 73 Resp: 139895
 Ion Ratio Lower Upper
 73 100
 57 18.3 15.5 23.3

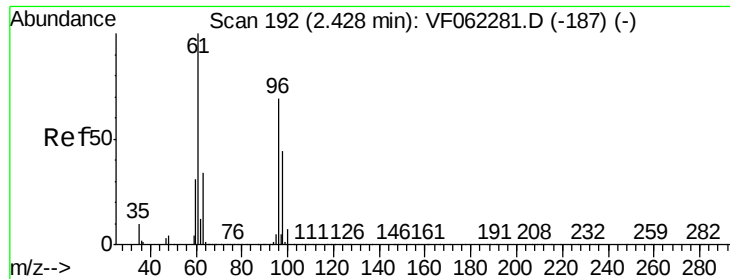


#20

Methylene Chloride
 Concen: 19.728 ug/l m
 RT: 2.35 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Tgt Ion: 84 Resp: 74503
 Ion Ratio Lower Upper
 84 100
 49 153.0 112.1 168.1
 51 49.0 35.9 53.9
 86 70.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.656 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

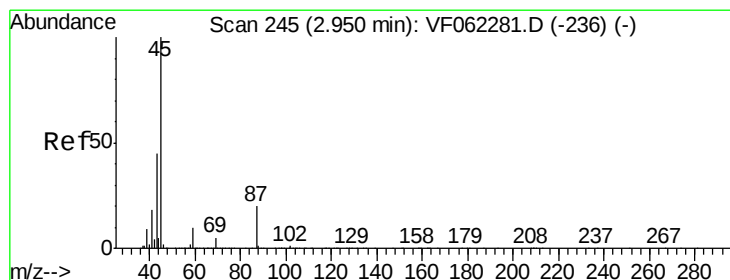
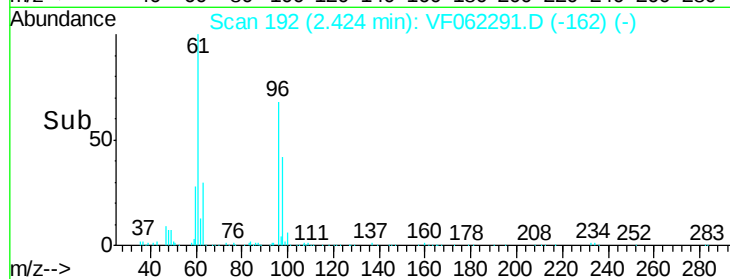
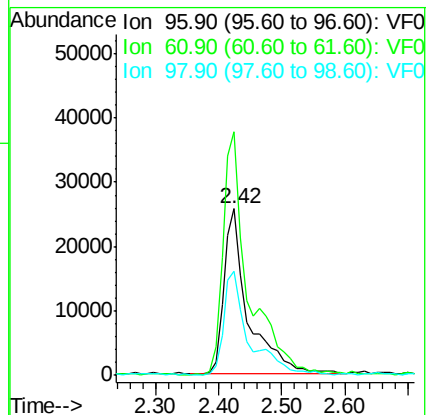
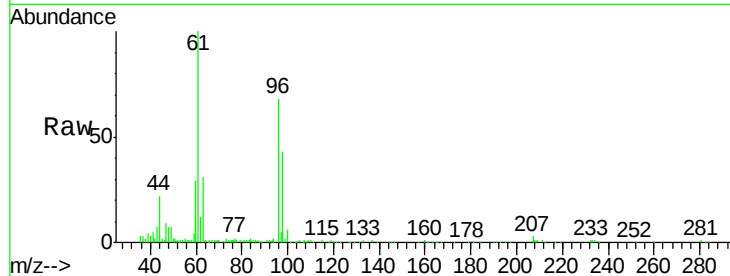
Tot Ion: 96 Resp: 68789

Ion Ratio Lower Upper

96 100

61 147.3 116.2 174.2

98 62.8 51.4 77.0



#22

Diisopropyl ether

Concen: 20.018 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Tgt Ion: 45 Resp: 207683

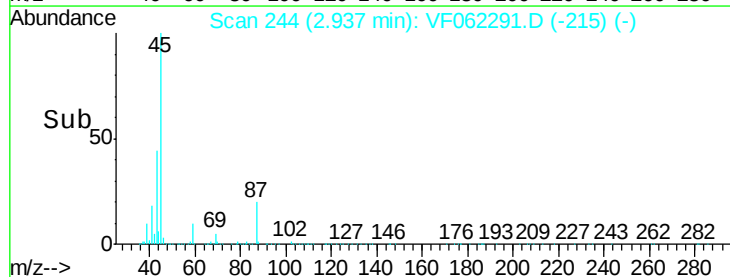
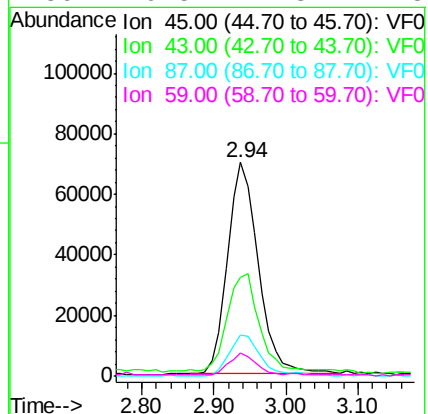
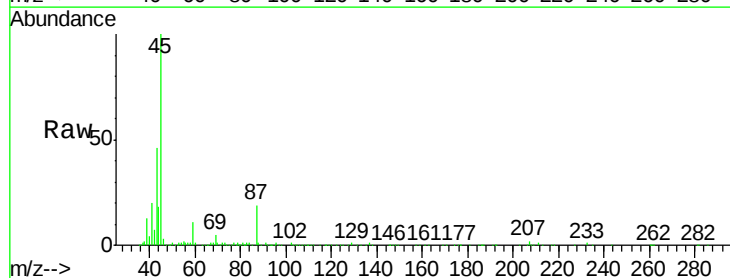
Ion Ratio Lower Upper

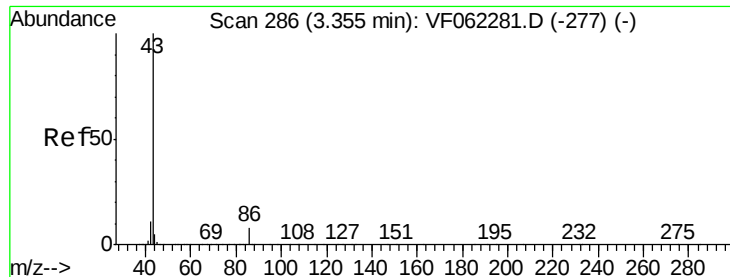
45 100

43 44.6 36.2 54.2

87 19.7 15.8 23.6

59 10.5 7.8 11.8





#23

Vinyl Acetate

Concen: 99.642 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

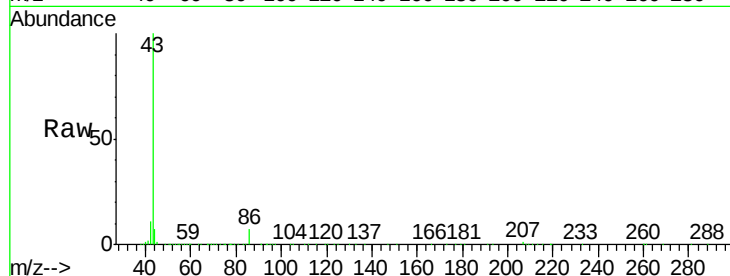
VF0425SBS01

Tot Ion: 43 Resp: 458422

Ion Ratio Lower Upper

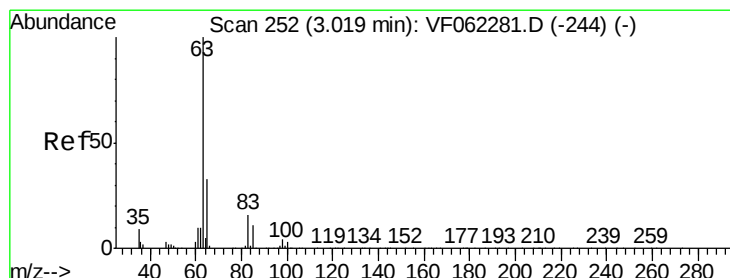
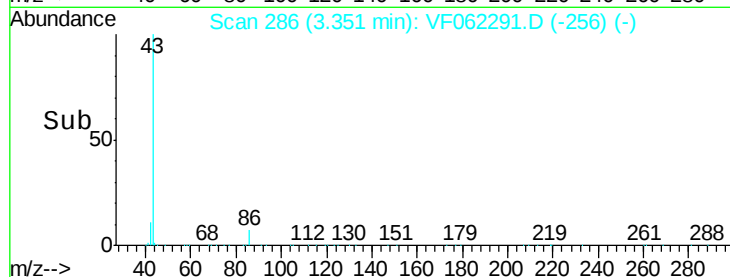
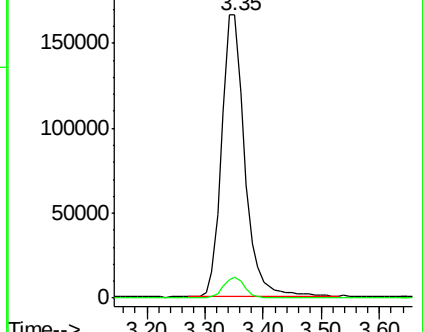
43 100

86 7.2 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 21.135 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

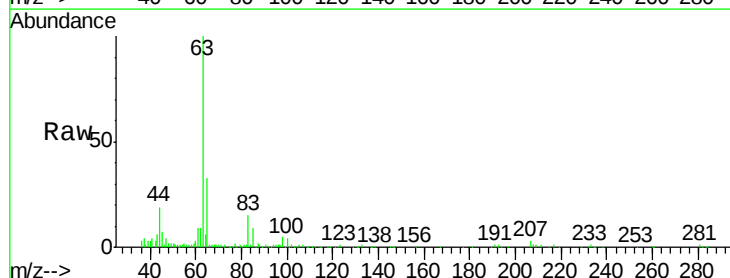
Tgt Ion: 63 Resp: 125152

Ion Ratio Lower Upper

63 100

98 5.4 2.1 6.2

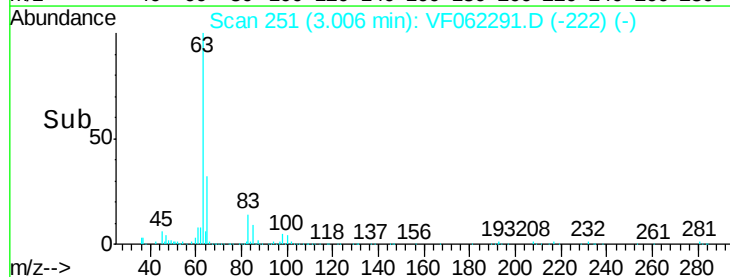
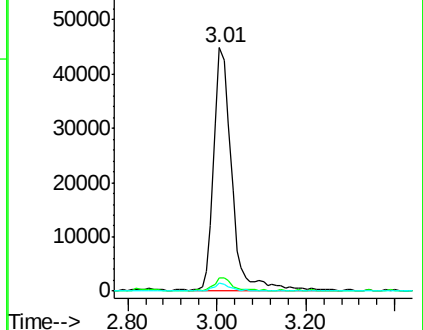
100 3.5 1.5 4.5

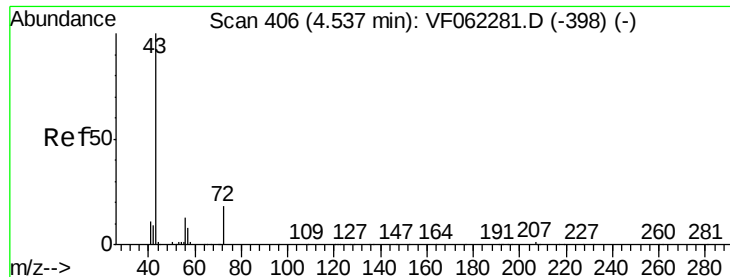


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

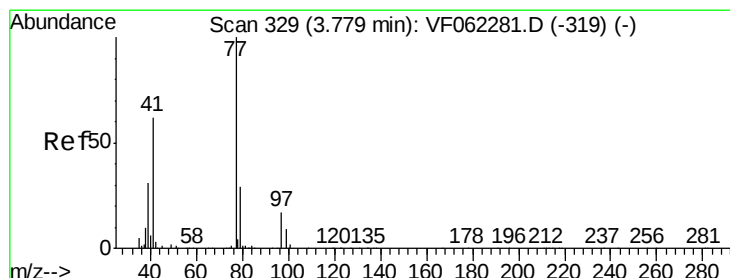
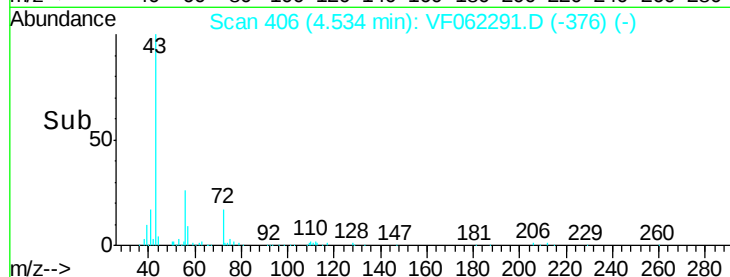
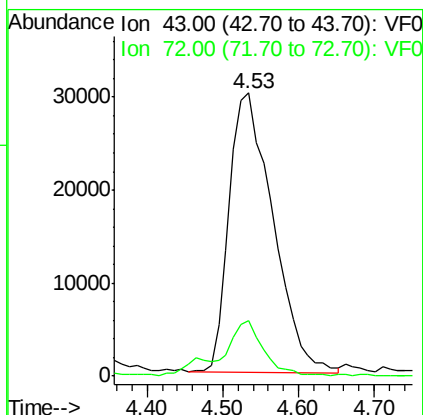
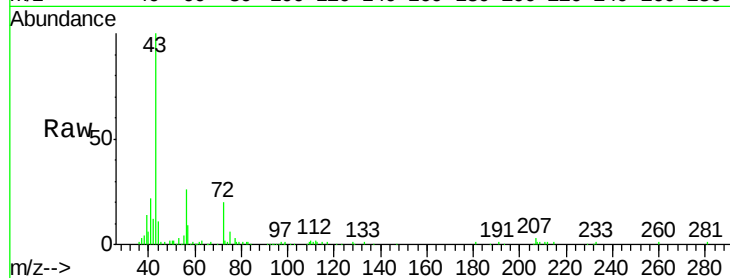




#25
2-Butanone
Concen: 99.845 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

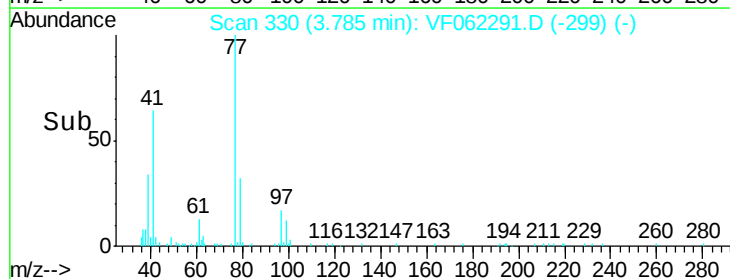
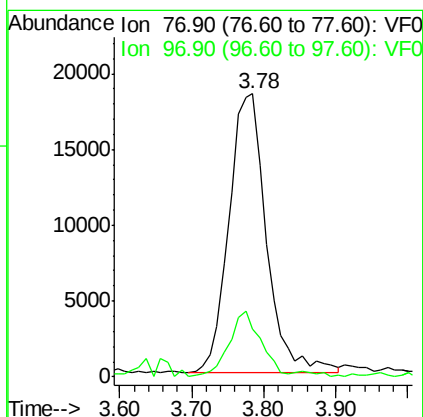
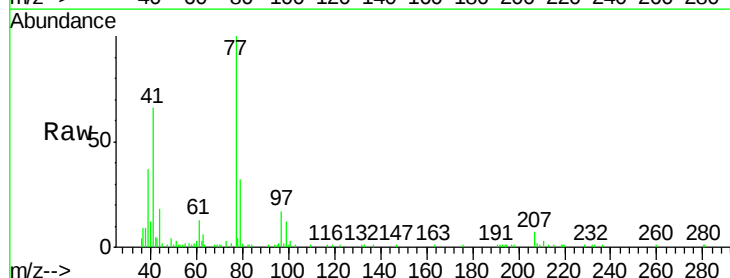
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

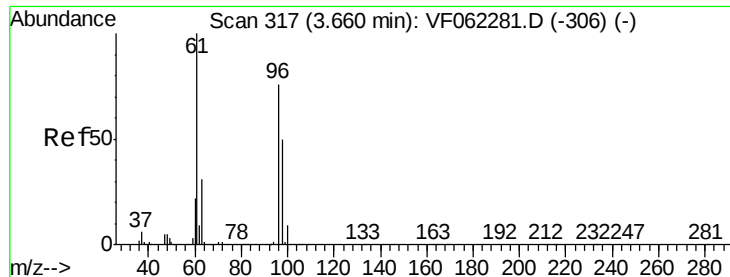
Tot Ion: 43 Resp: 120517
Ion Ratio Lower Upper
43 100
72 19.4 15.8 23.6



#26
2,2-Dichloropropane
Concen: 21.545 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion: 77 Resp: 66252
Ion Ratio Lower Upper
77 100
97 20.2 10.3 30.8



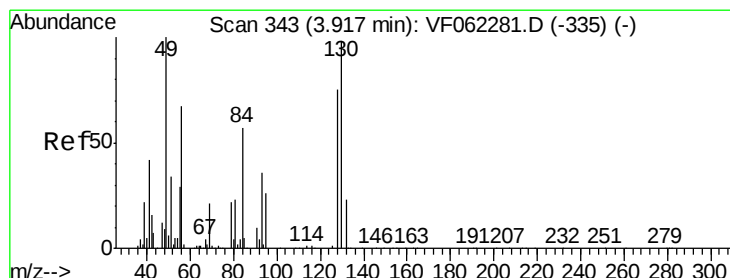
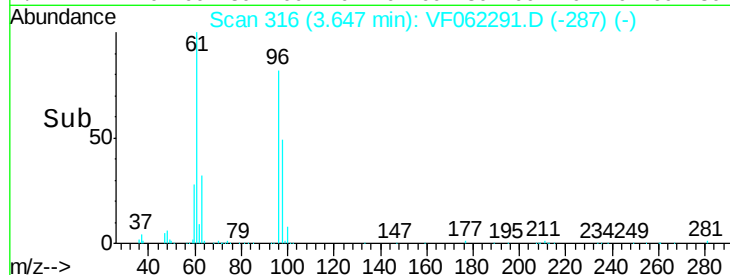
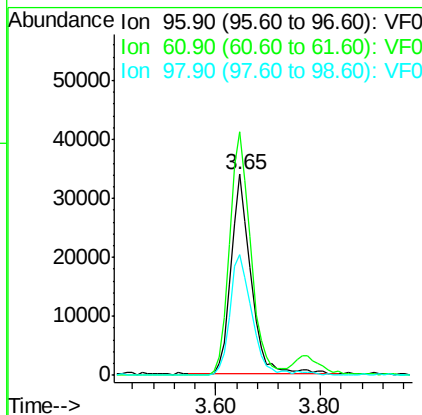
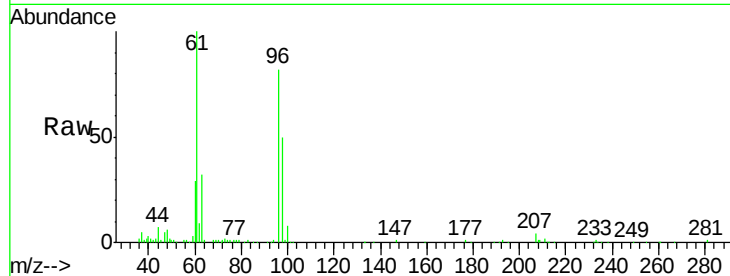


#27

cis-1,2-Dichloroethene
 Concen: 19.960 ug/l
 RT: 3.65 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

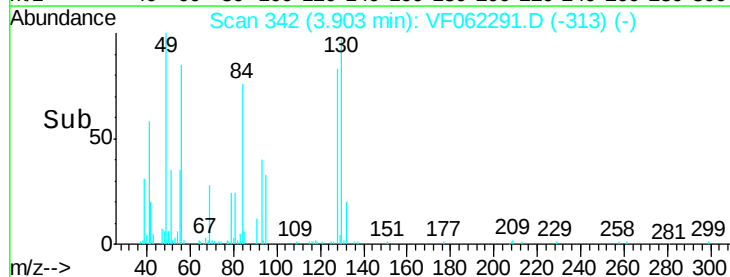
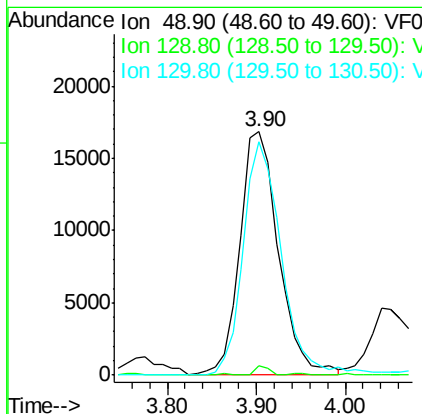
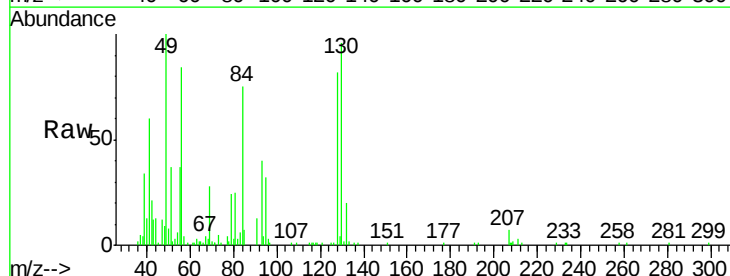
Tot Ion	96	Resp	88457
Ion	Ratio	Lower	Upper
96	100		
61	129.3	0.0	257.6
98	65.6	0.0	137.4

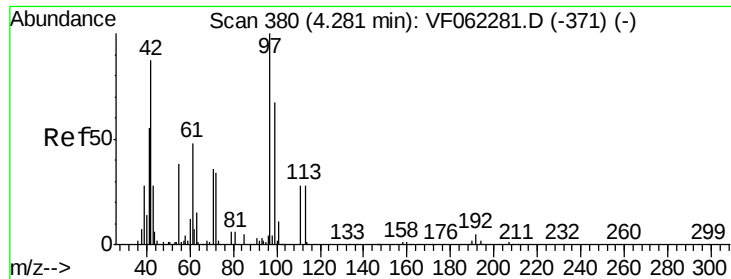


#28

Bromochloromethane
 Concen: 20.391 ug/l
 RT: 3.90 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Tgt Ion	49	Resp	50883
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	0.0#
130	94.9	77.0	115.4

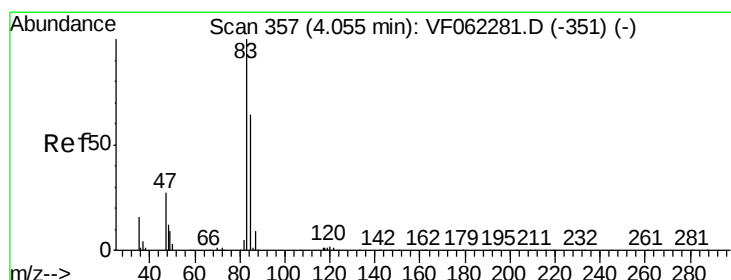
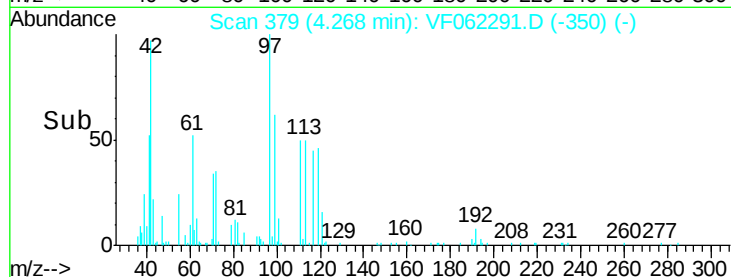
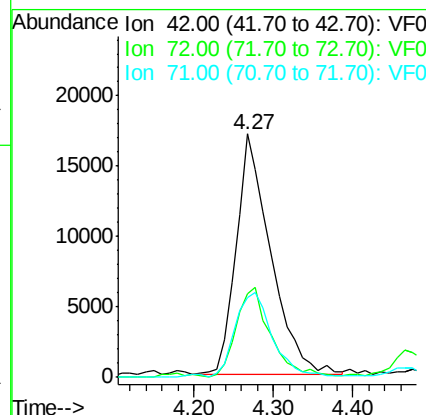
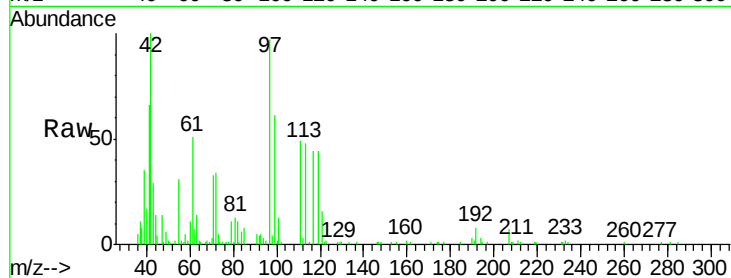




#29
Tetrahydrofuran
Concen: 96.919 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

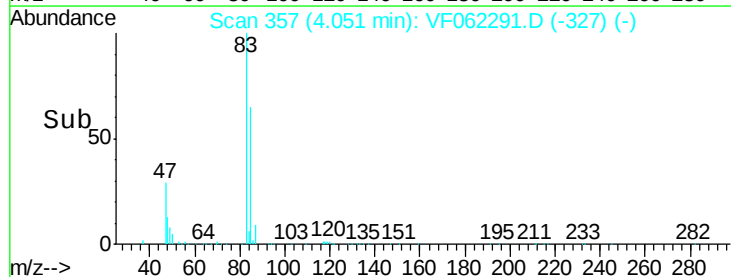
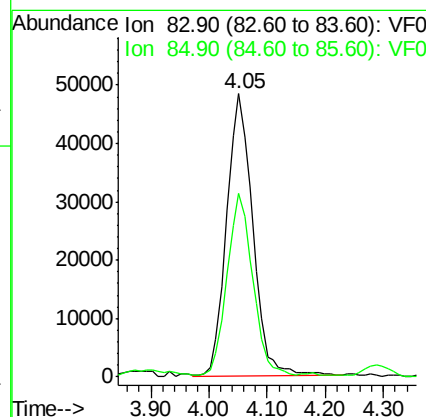
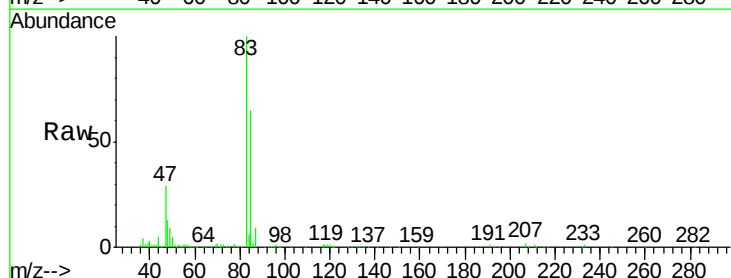
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

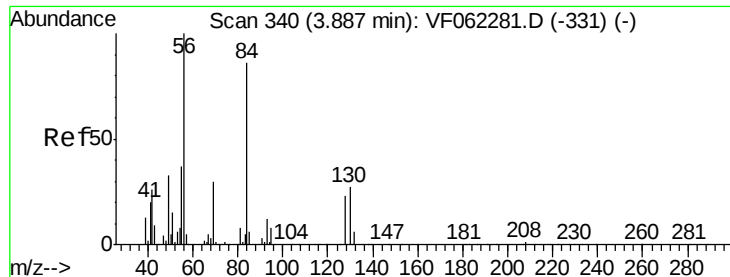
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	29.3	43.9
71	38.3	31.2	46.8



#30
Chloroform
Concen: 20.330 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7

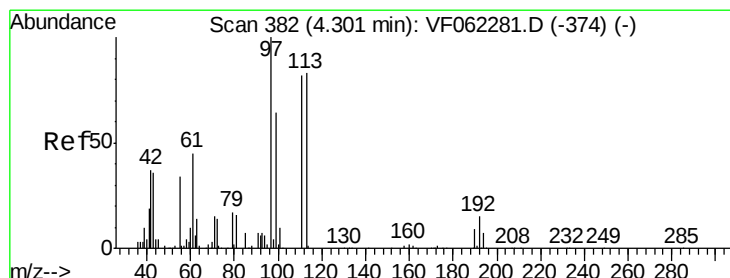
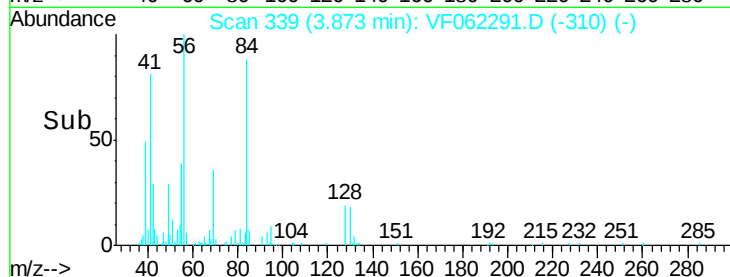
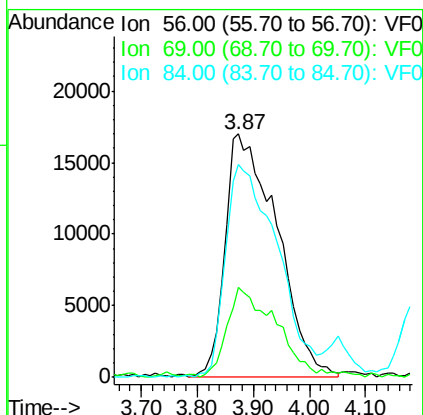
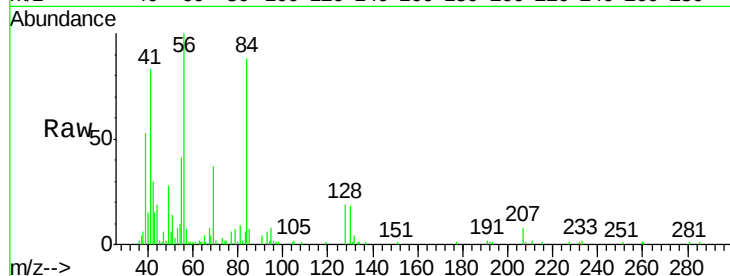




#31
Cyclohexane
Concen: 19.317 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

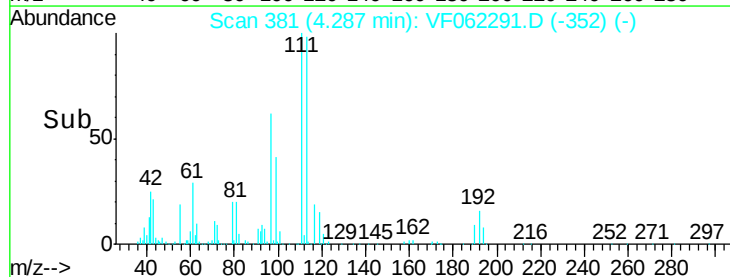
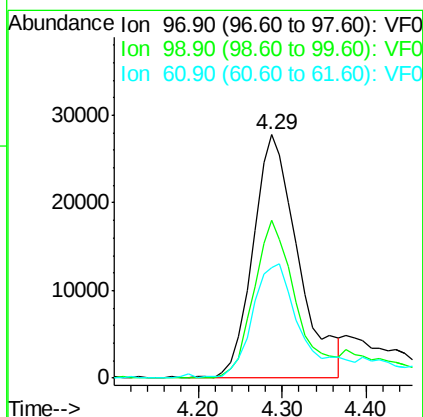
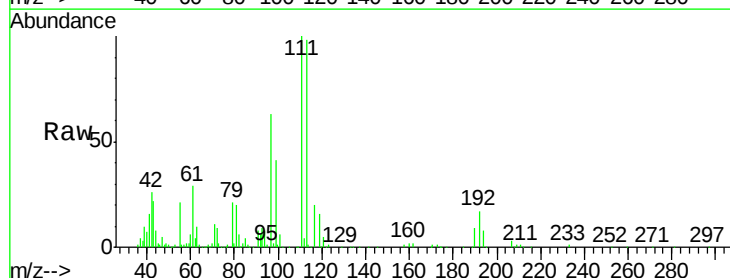
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

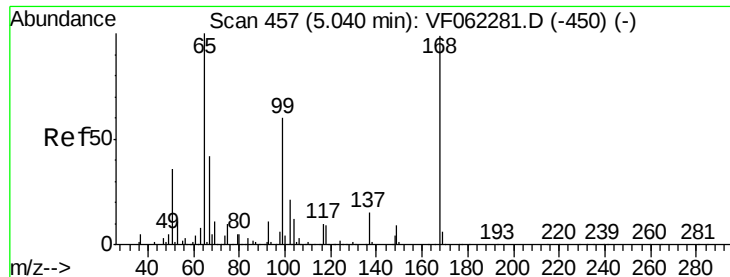
Tot Ion: 56 Resp: 108841
Ion Ratio Lower Upper
56 100
69 35.6 24.3 36.5
84 86.9 68.5 102.7



#32
1,1,1-Trichloroethane
Concen: 17.904 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion: 97 Resp: 104523
Ion Ratio Lower Upper
97 100
99 60.8 41.6 62.4
61 49.2 31.6 47.4#





#33

1,2-Dichloroethane-d4

Concen: 53.854 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

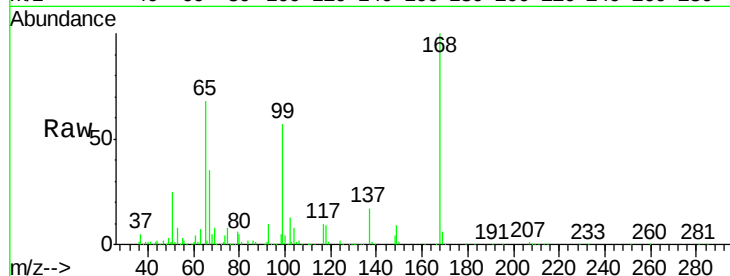
VF0425SBS01

Tot Ion: 65 Resp: 183102

Ion Ratio Lower Upper

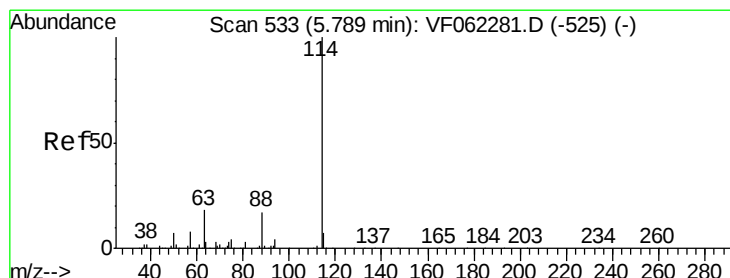
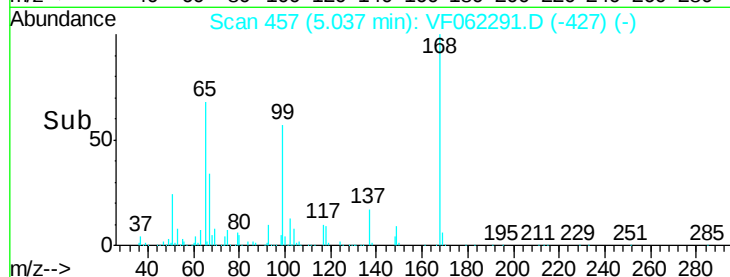
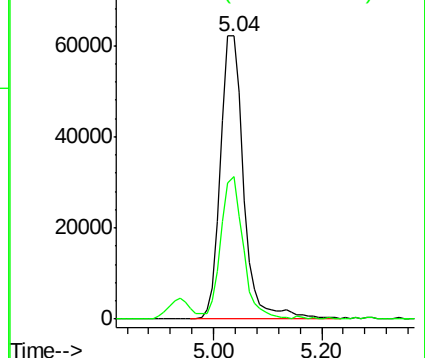
65 100

67 48.6 0.0 98.8



Abundance Ion 64.90 (64.60 to 65.60): VF0

Ion 66.90 (66.60 to 67.60): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

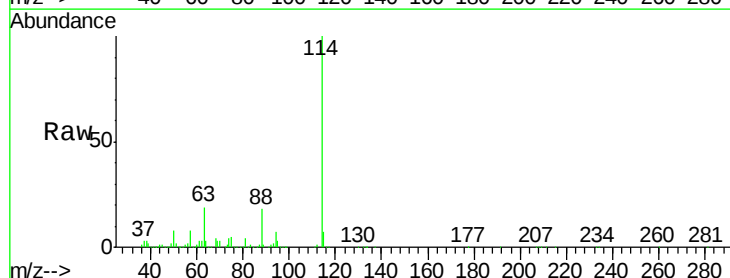
Tgt Ion: 114 Resp: 590047

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.6

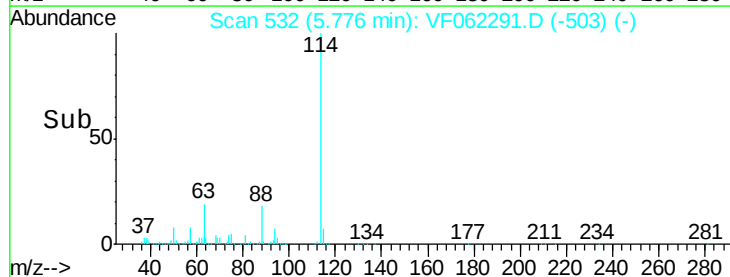
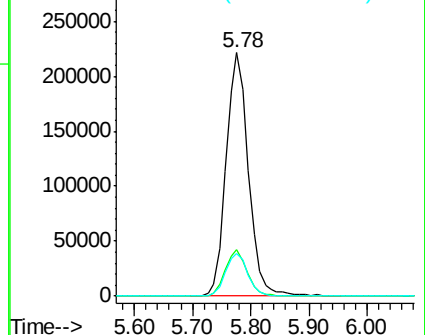
88 17.6 0.0 34.6

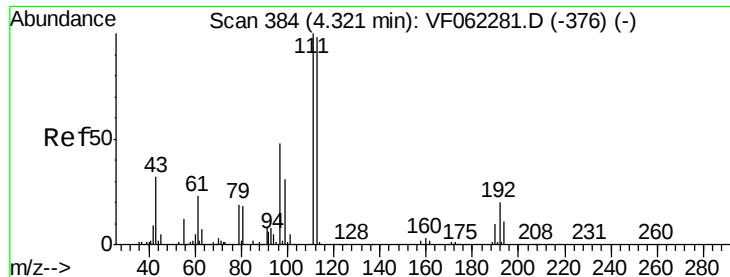


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0





#35

Dibromofluoromethane

Concen: 50.803 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

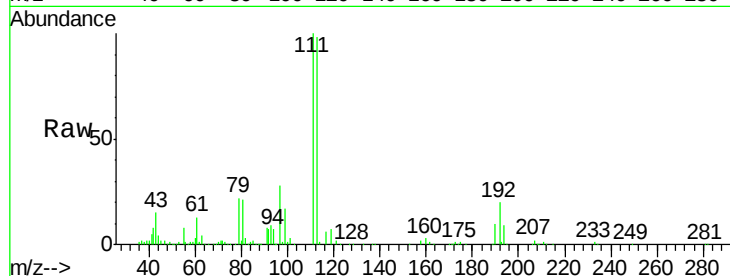
Tot Ion:113 Resp: 222259

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	20.3	17.0	25.4

113 100

111 102.4 81.4 122.2

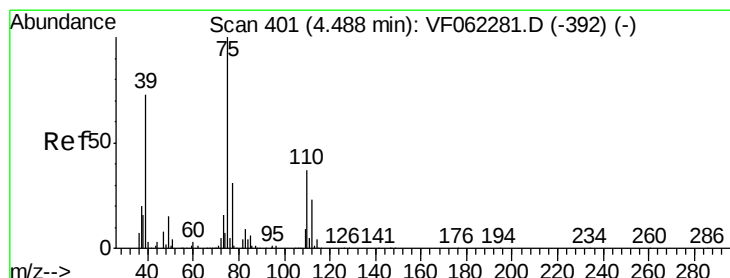
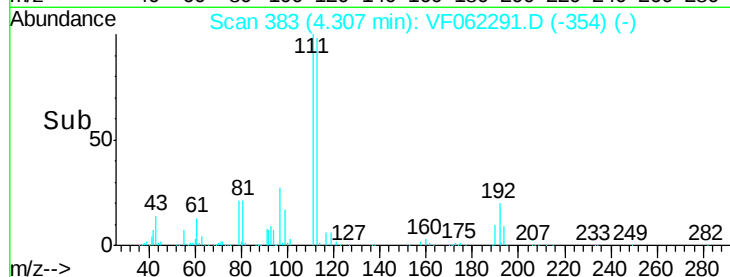
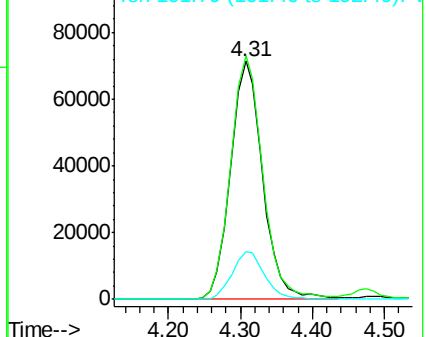
192 20.3 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.099 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

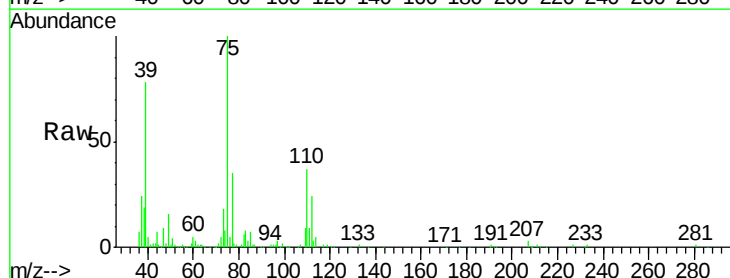
Tgt Ion: 75 Resp: 109412

Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.9	53.8
77	31.5	24.6	36.8

75 100

110 35.6 17.9 53.8

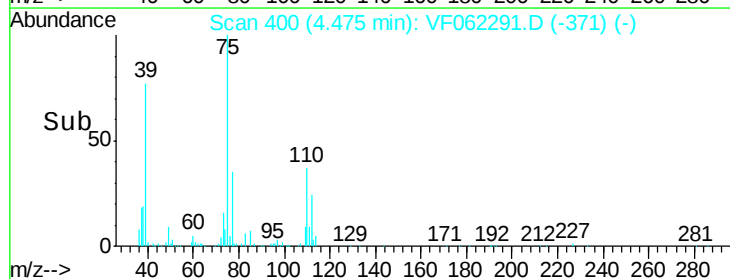
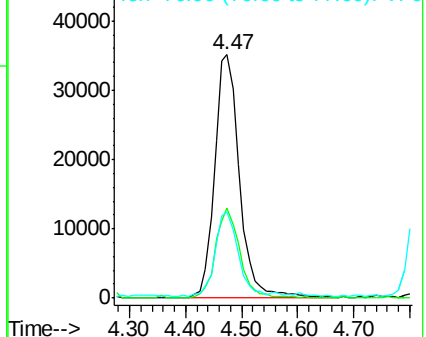
77 31.5 24.6 36.8

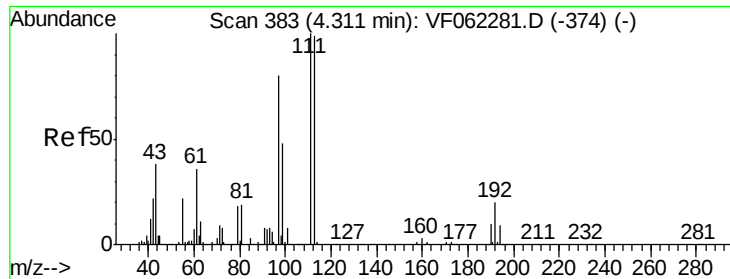


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0





#37

Ethyl Acetate

Concen: 19.534 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

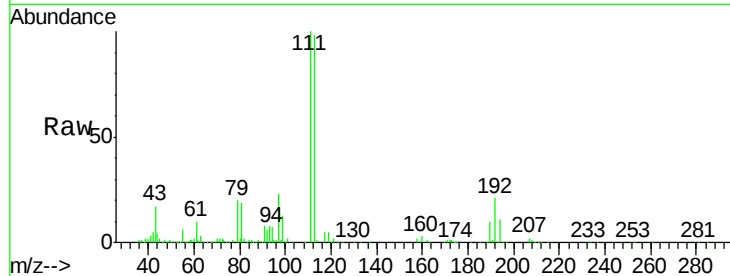
Tot Ion: 43 Resp: 44737

Ion Ratio Lower Upper

43 100

61 115.0 85.8 128.6

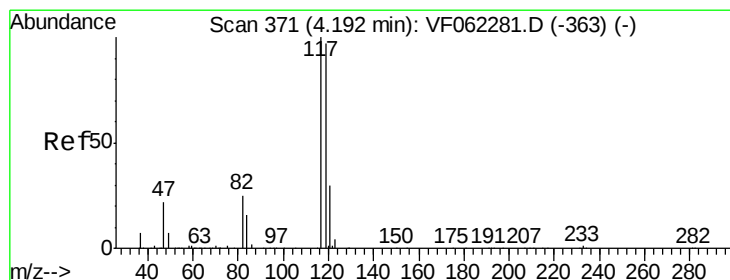
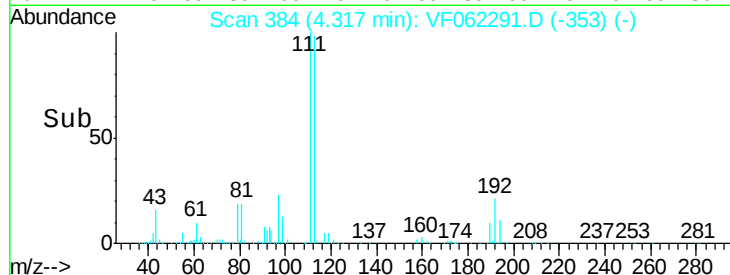
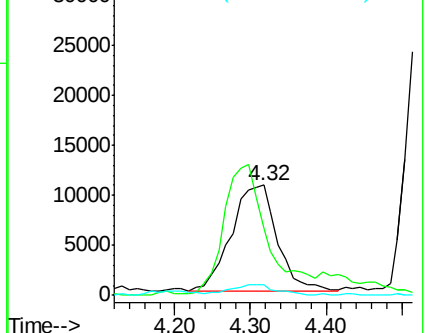
70 10.3 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 19.959 ug/l

RT: 4.18 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

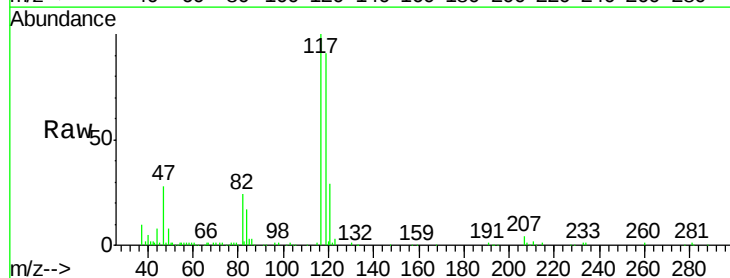
Tgt Ion: 117 Resp: 110454

Ion Ratio Lower Upper

117 100

119 90.2 77.3 115.9

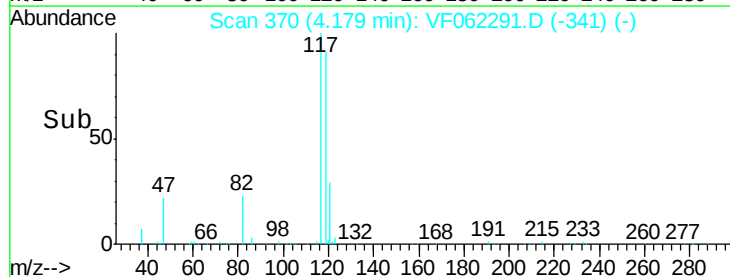
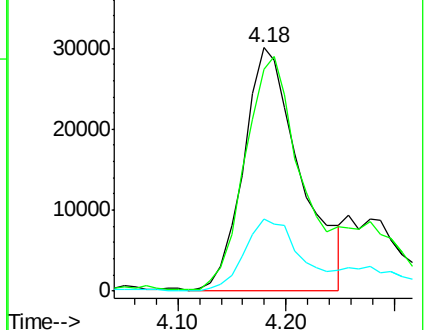
121 29.5 24.3 36.5

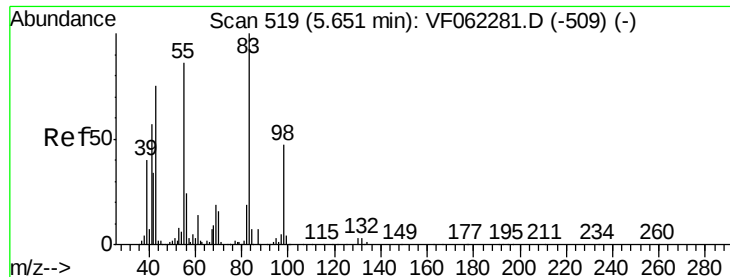


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

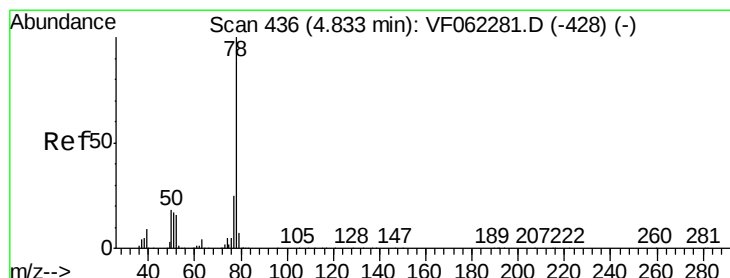
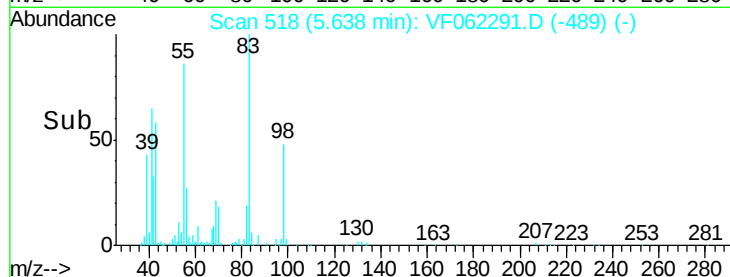
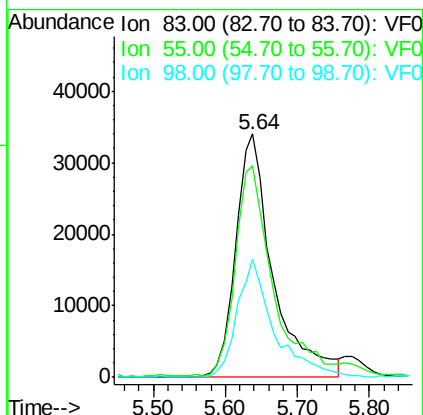
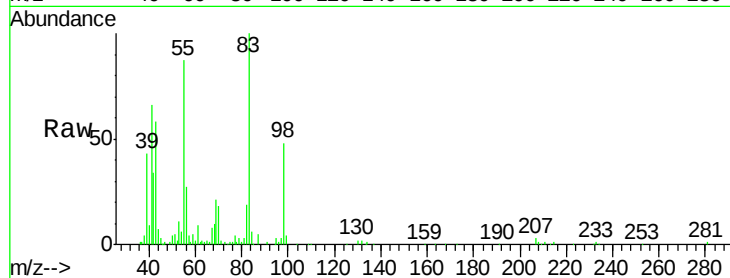




#39
Methvlcvclohexane
Concen: 19.358 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

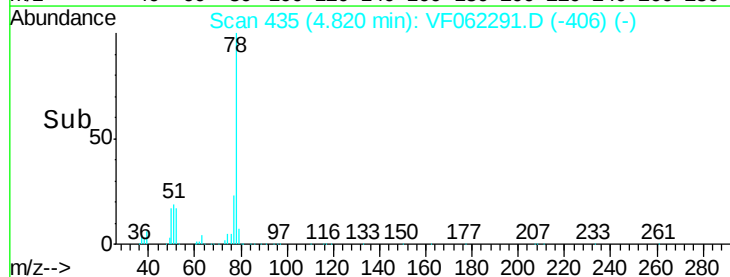
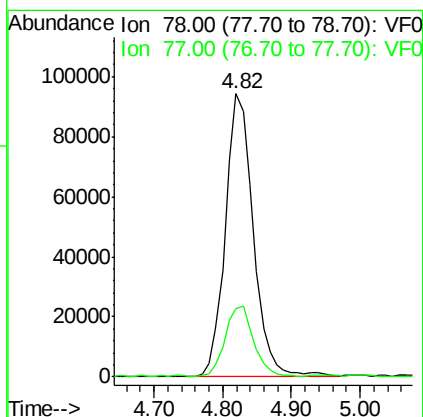
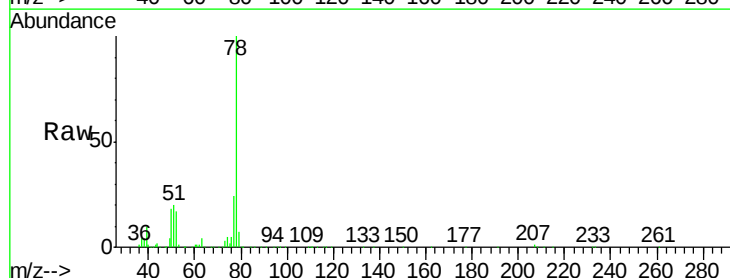
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

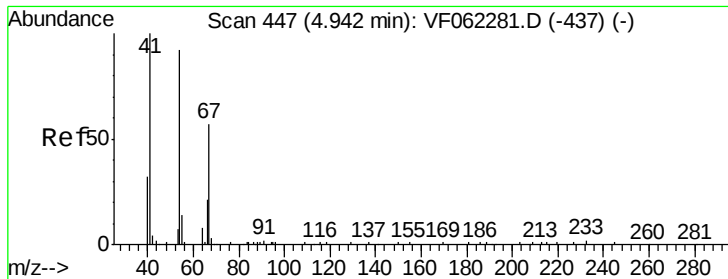
Tot Ion: 83 Resp: 123017
Ion Ratio Lower Upper
83 100
55 86.2 68.7 103.1
98 48.0 37.4 56.2



#40
Benzene
Concen: 20.063 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion: 78 Resp: 263875
Ion Ratio Lower Upper
78 100
77 23.9 19.7 29.5





#41

Methacrylonitrile

Concen: 22.069 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

Tot Ion: 41 Resp: 28078

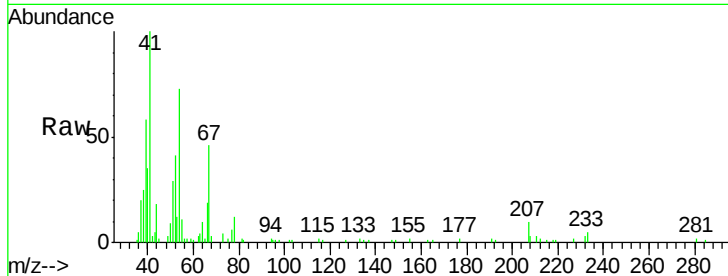
Ion Ratio Lower Upper

41 100

39 58.5 47.3 70.9

67 45.6 41.3 61.9

52 63.9 49.4 74.2

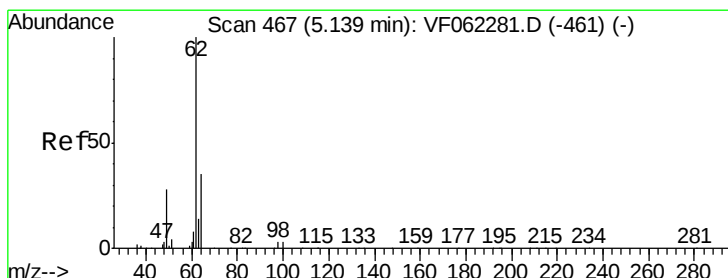
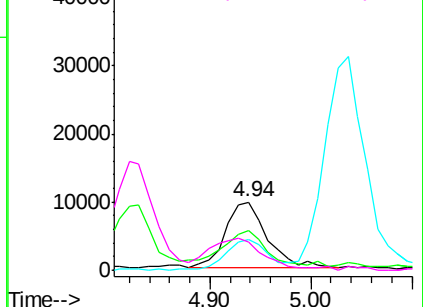
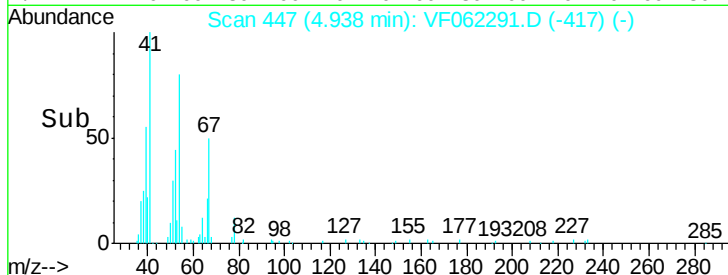


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.713 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.01 min

Lab File: VF062291.D

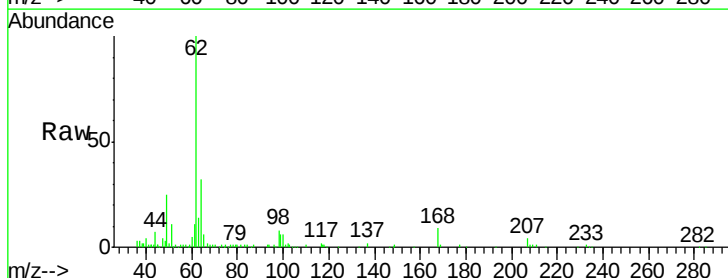
Acq: 25 Apr 2019 14:50

Tgt Ion: 62 Resp: 86302

Ion Ratio Lower Upper

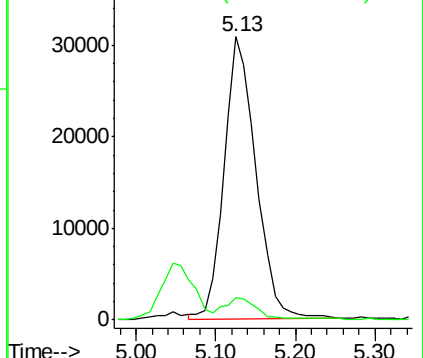
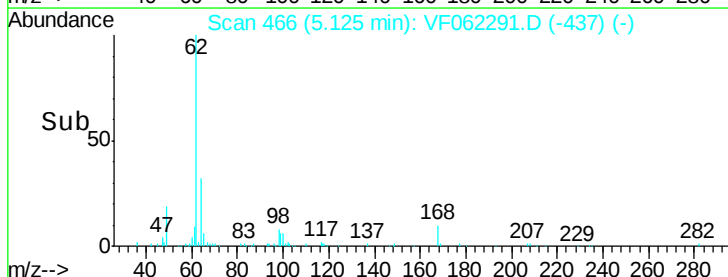
62 100

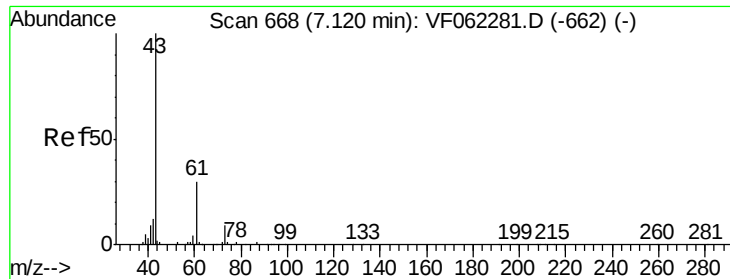
98 7.1 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



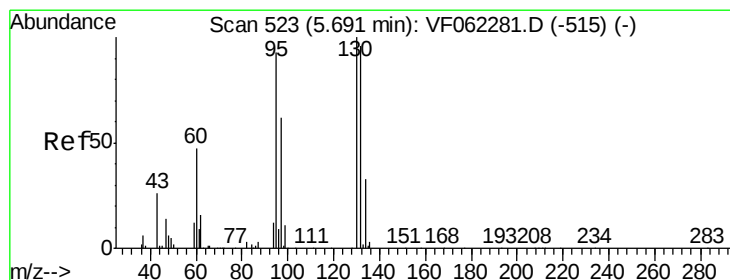
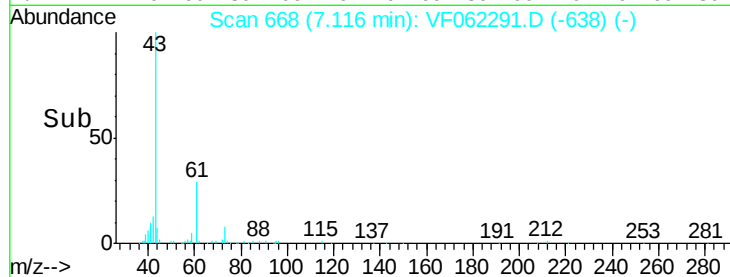
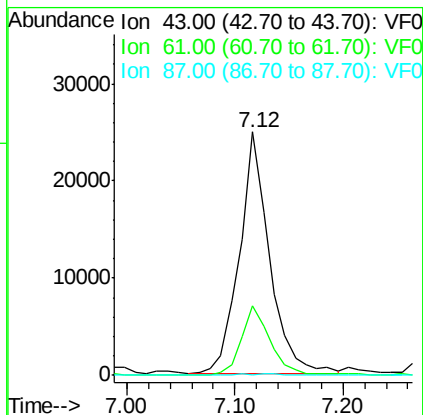
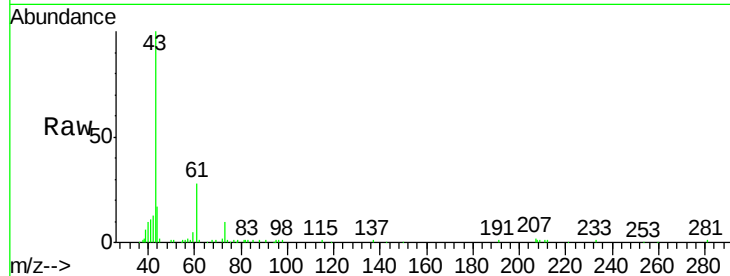


#43

Isopropyl Acetate
 Concen: 20.379 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

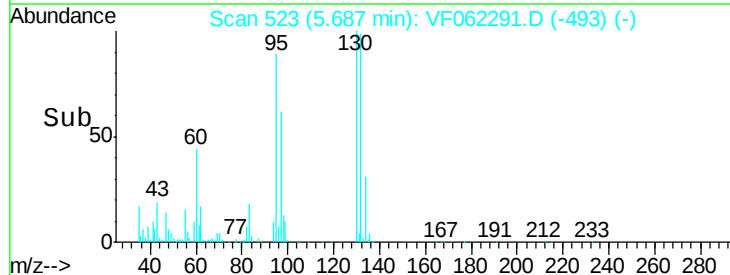
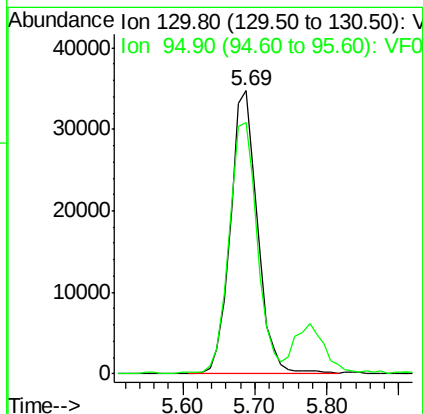
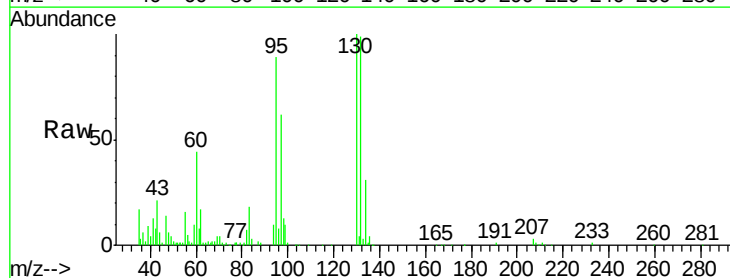
Tot Ion	43.00	Resp	48118
Ion Ratio	Lower	Upper	
43	100		
61	27.9	23.8	35.6
87	0.5	0.5	0.7

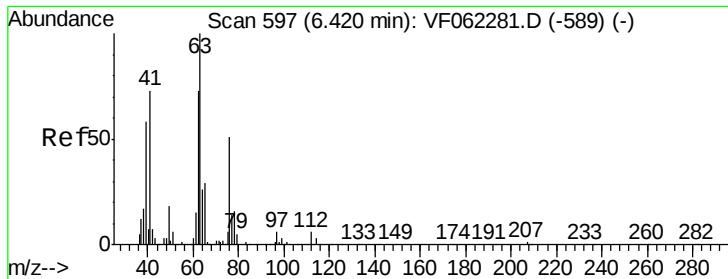


#44

Trichloroethene
 Concen: 20.519 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Tgt Ion	130	Resp	91308
Ion Ratio	Lower	Upper	
130	100		
95	88.2	0.0	186.4





#45

1,2-Dichloropropane

Concen: 19.570 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

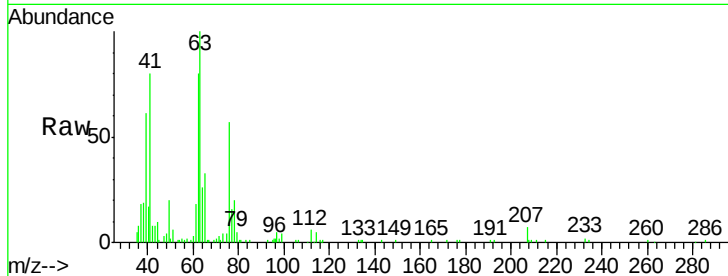
VF0425SBS01

Tot Ion: 63 Resp: 58034

Ion Ratio Lower Upper

63 100

65 32.6 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 64.90 (64.60 to 65.60): VF0

6.41

25000

20000

15000

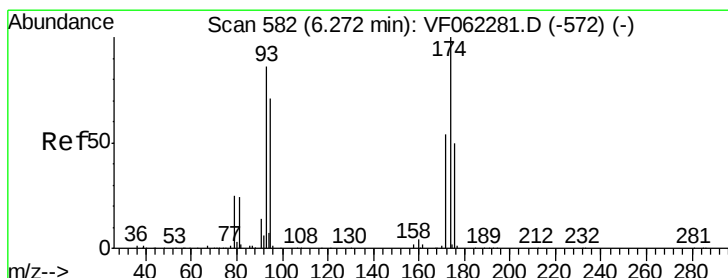
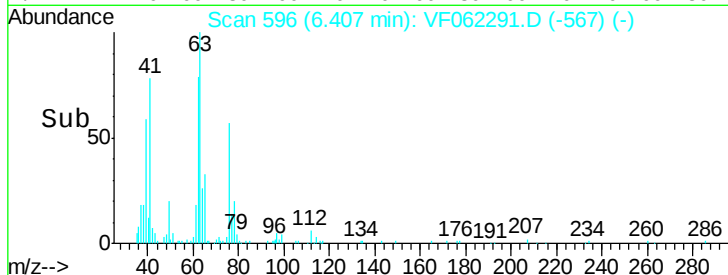
10000

5000

0

6.30 6.40 6.50 6.60

Time-->



#46

Dibromomethane

Concen: 21.577 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

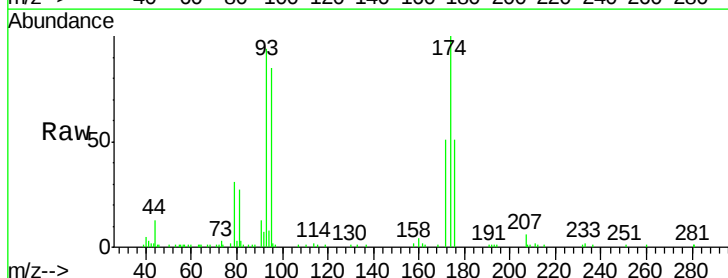
Tgt Ion: 93 Resp: 46201

Ion Ratio Lower Upper

93 100

95 85.9 66.2 99.4

174 121.7 94.9 142.3



Abundance Ion 92.80 (92.50 to 93.50): VF0

Ion 94.80 (94.50 to 95.50): VF0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

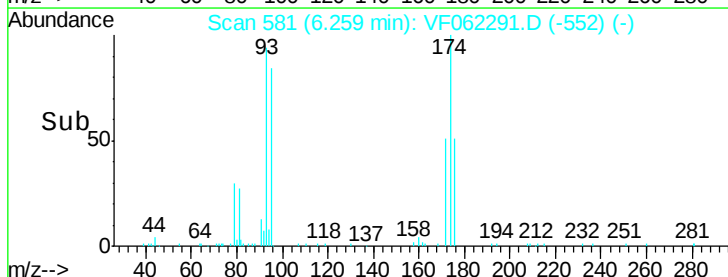
10000

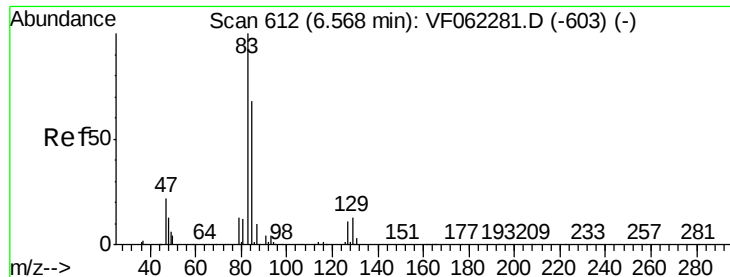
5000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 20.962 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

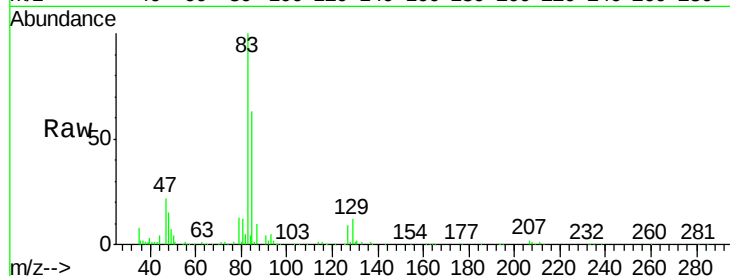
Tot Ion: 83 Resp: 105519

Ion Ratio Lower Upper

83 100

85 63.2 54.6 81.8

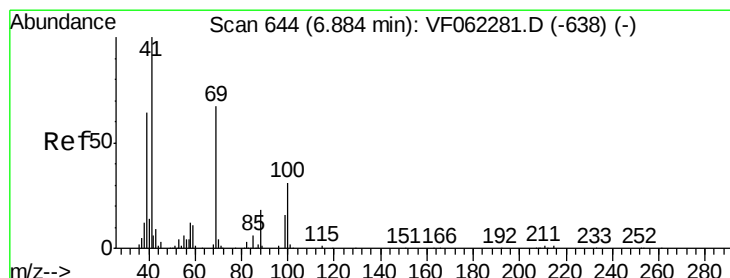
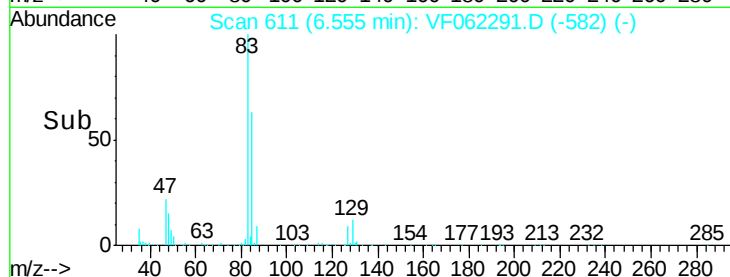
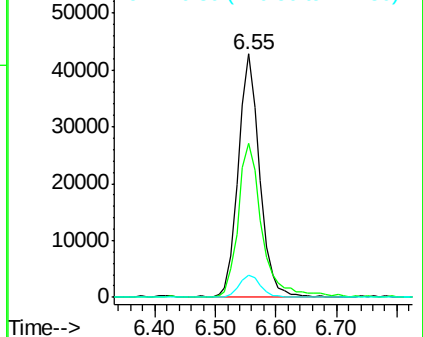
127 9.3 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.044 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

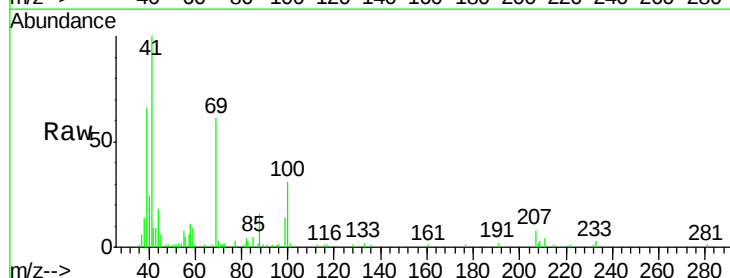
Tgt Ion: 41 Resp: 30276

Ion Ratio Lower Upper

41 100

69 66.7 53.4 80.2

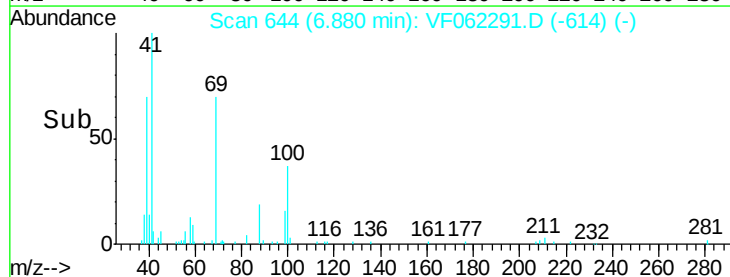
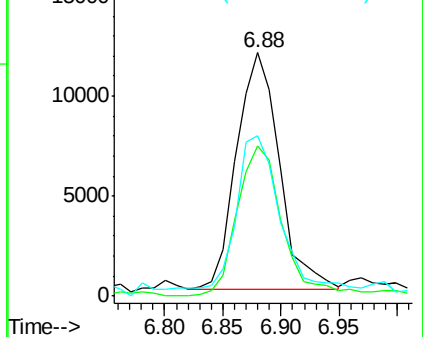
39 63.9 50.9 76.3

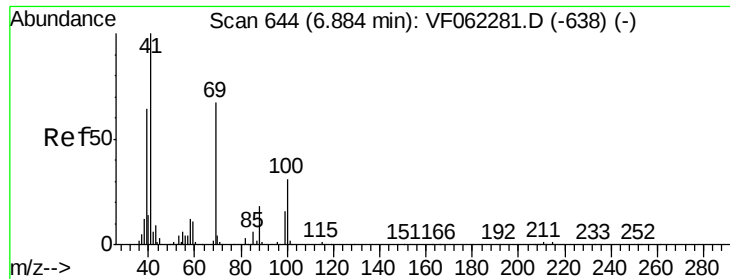


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 402.268 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

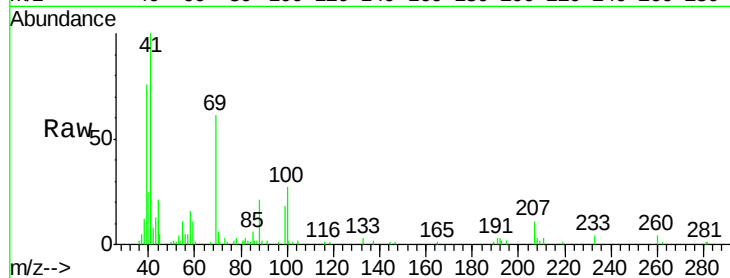
Tot Ion: 88 Resp: 7772

Ion Ratio Lower Upper

88 100

43 38.0 34.2 51.4

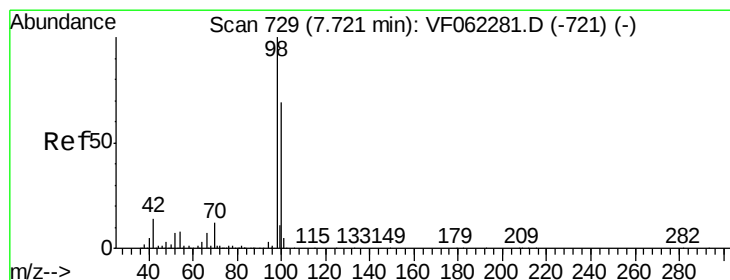
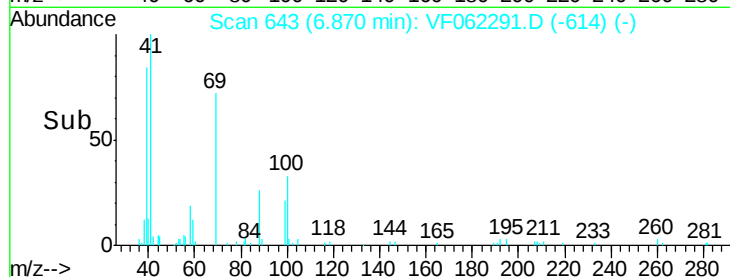
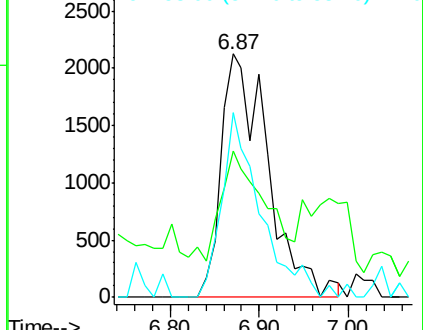
58 62.6 50.7 76.1



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: 46.232 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF062291.D

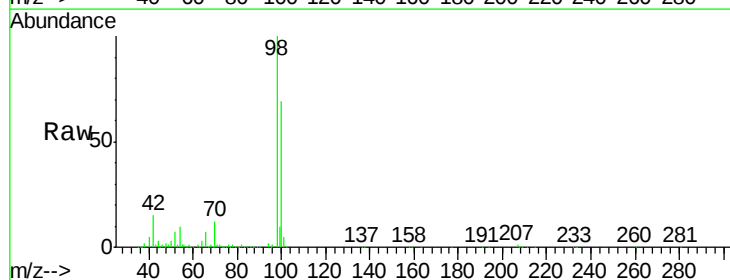
Acq: 25 Apr 2019 14:50

Tgt Ion: 98 Resp: 494039

Ion Ratio Lower Upper

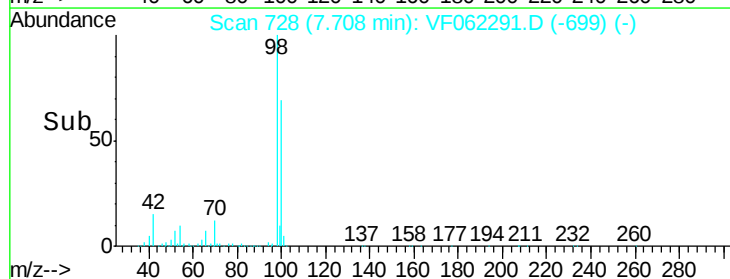
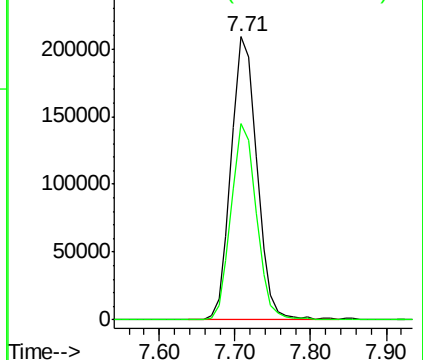
98 100

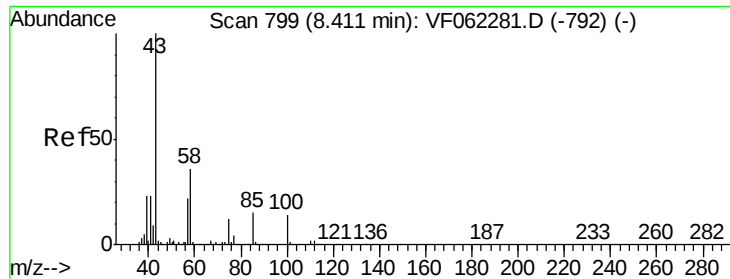
100 68.1 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 98.115 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

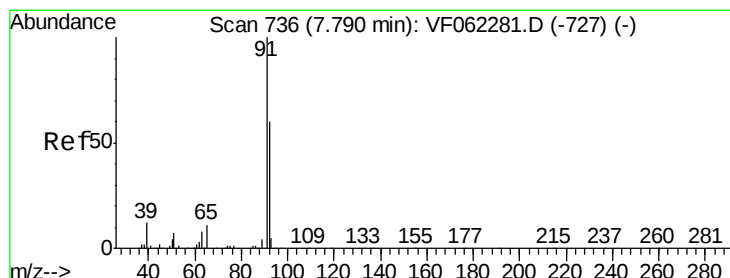
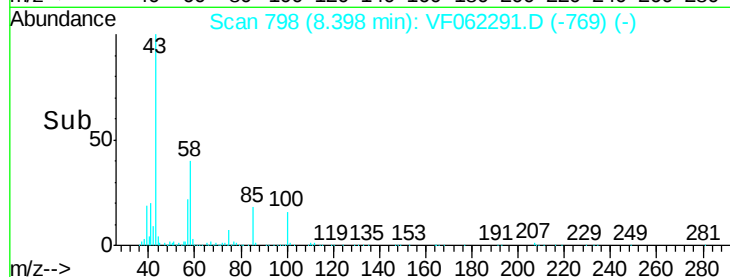
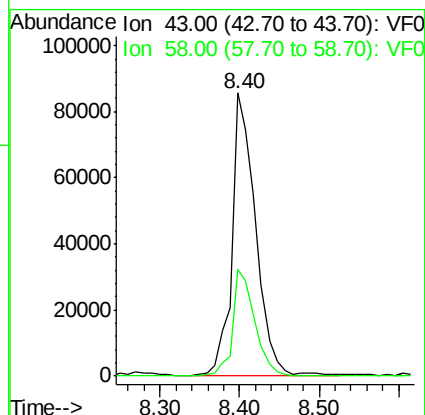
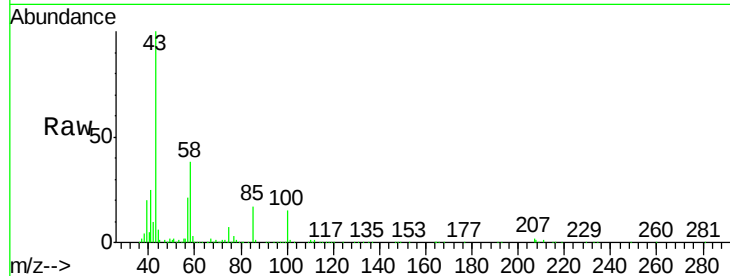
VF0425SBS01

Tot Ion: 43 Resp: 177044

Ion Ratio Lower Upper

43 100

58 35.8 29.1 43.7



#52

Toluene

Concen: 18.353 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF062291.D

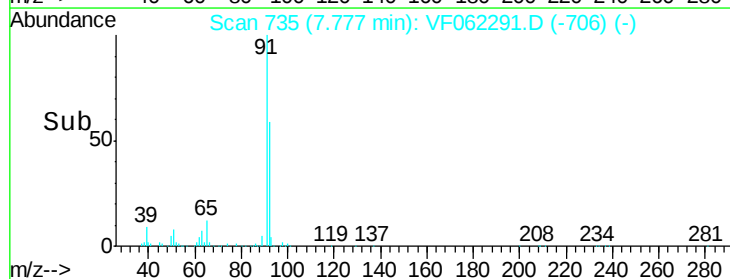
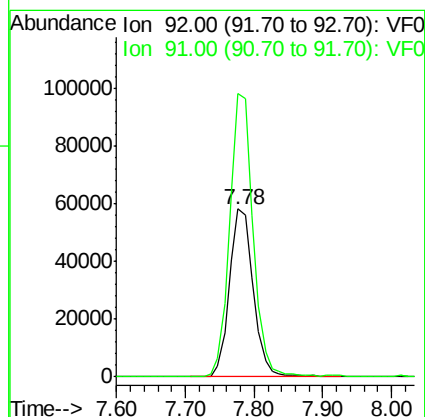
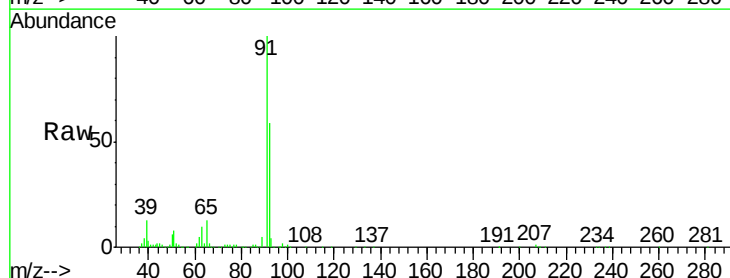
Acq: 25 Apr 2019 14:50

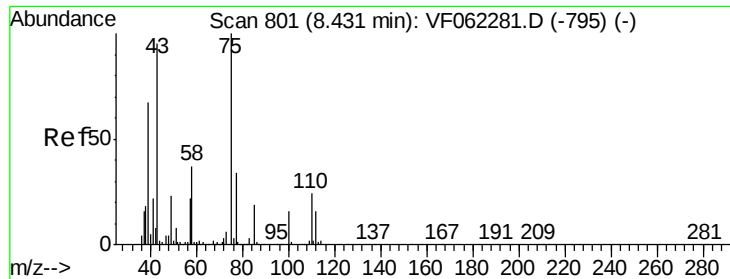
Tgt Ion: 92 Resp: 139288

Ion Ratio Lower Upper

92 100

91 166.1 132.5 198.7

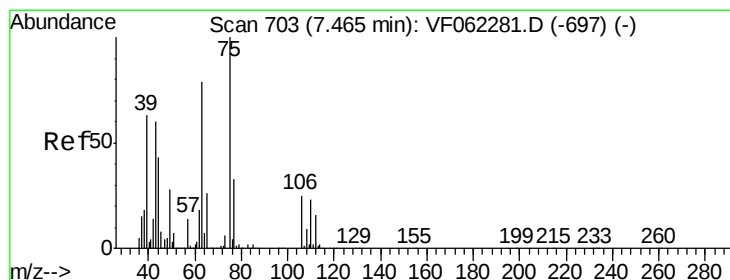
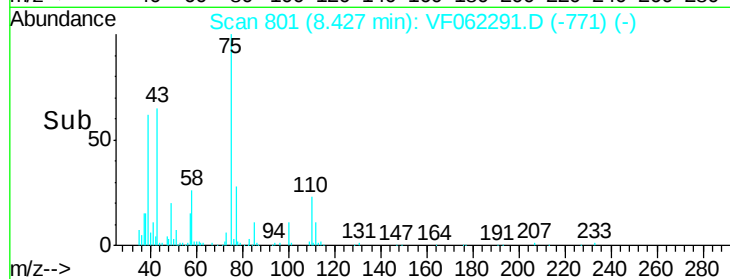
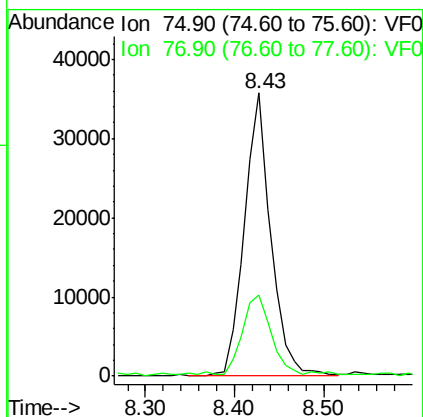
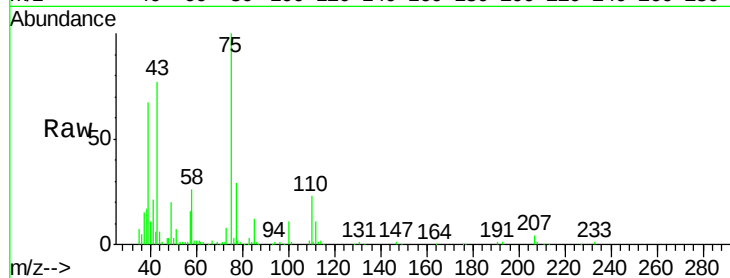




#53
 t-1,3-Dichloropropene
 Concen: 19.873 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

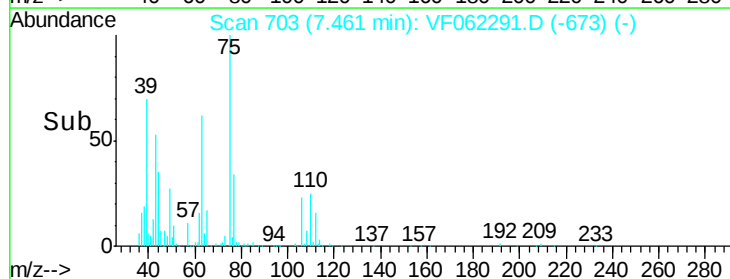
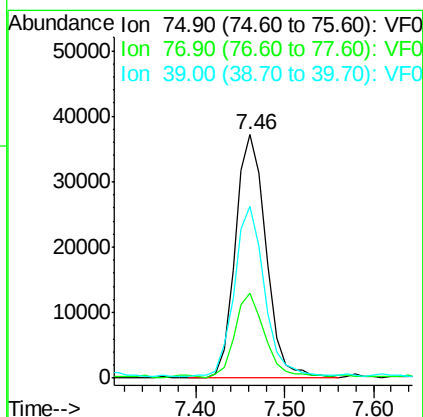
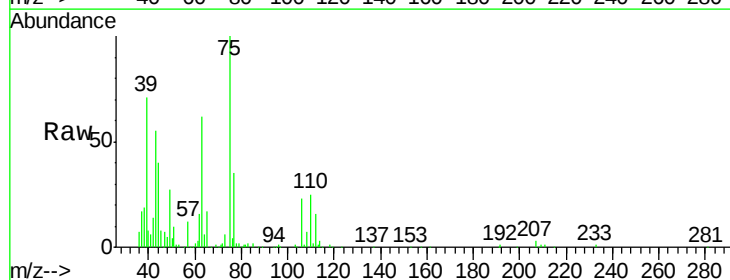
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

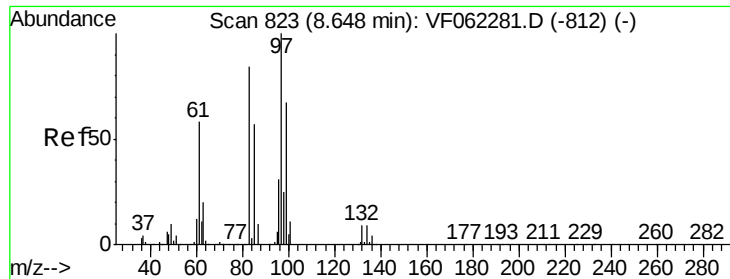
Tot Ion: 75 Resp: 73559
 Ion Ratio Lower Upper
 75 100
 77 28.1 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 18.866 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Tgt Ion: 75 Resp: 89459
 Ion Ratio Lower Upper
 75 100
 77 33.9 26.5 39.7
 39 70.2 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 19.184 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

Tot Ion: 97 Resp: 41350

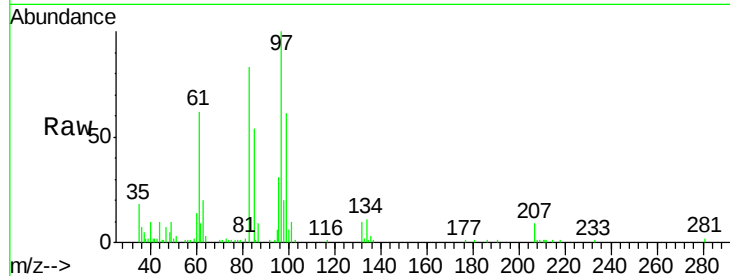
Ion	Ratio	Lower	Upper
97	100		
83	83.1	67.5	101.3
85	53.6	45.3	67.9
99	60.8	53.4	80.0

97 100

83 83.1 67.5 101.3

85 53.6 45.3 67.9

99 60.8 53.4 80.0



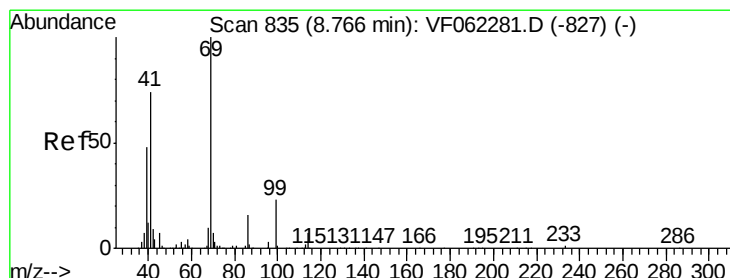
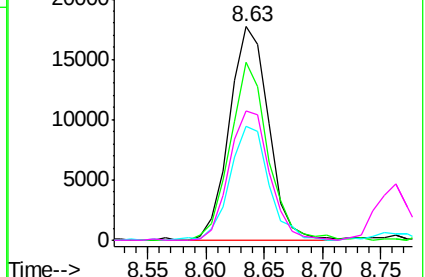
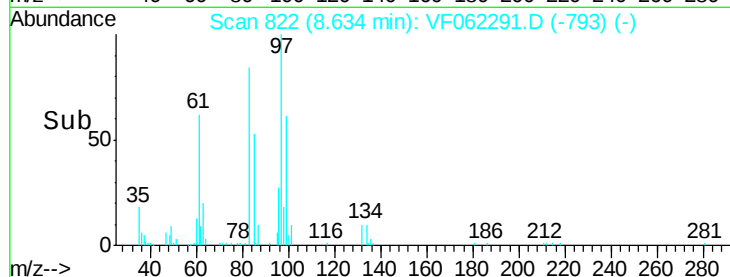
Abundance Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Time-->



#56

Ethyl methacrylate

Concen: 18.325 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

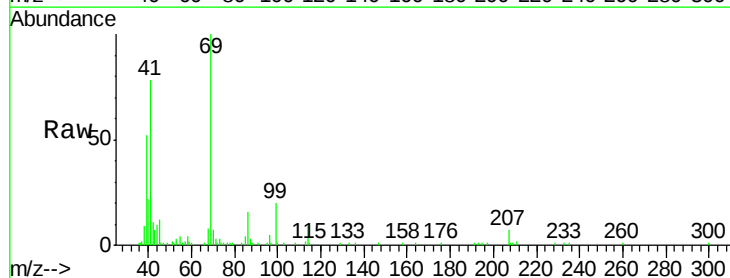
Tgt Ion: 69 Resp: 43393

Ion	Ratio	Lower	Upper
69	100		
41	80.5	61.5	92.3
39	53.1	37.9	56.9

69 100

41 80.5 61.5 92.3

39 53.1 37.9 56.9

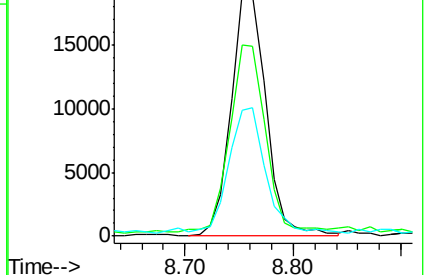
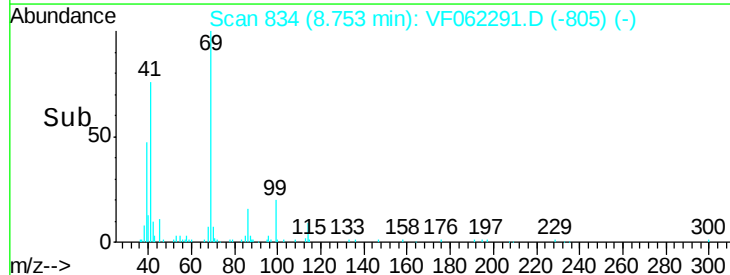


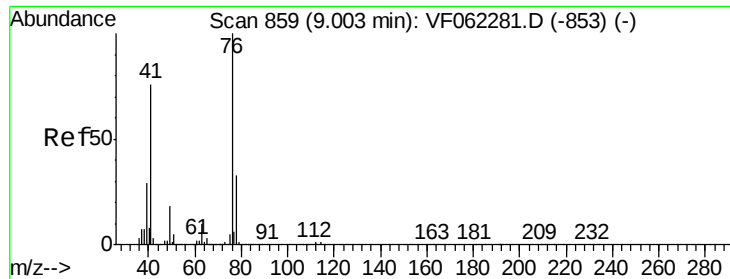
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

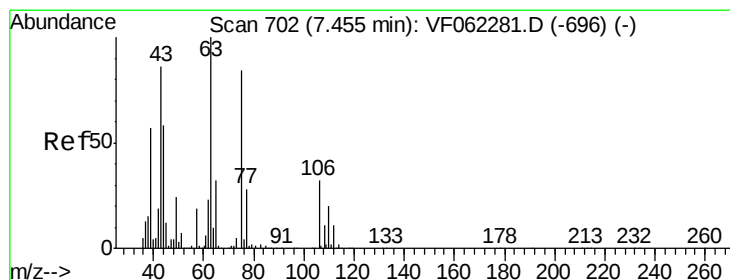
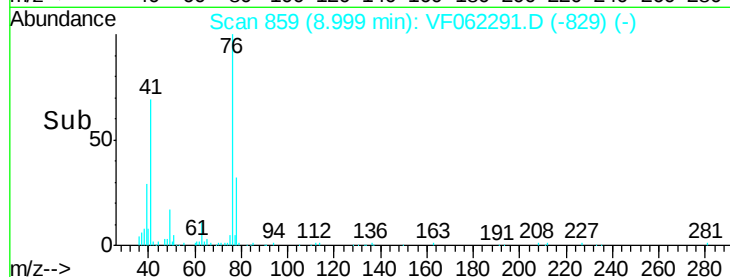
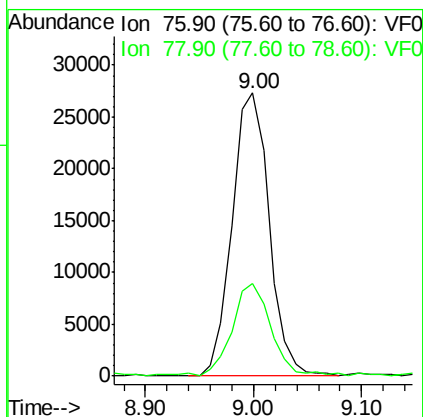
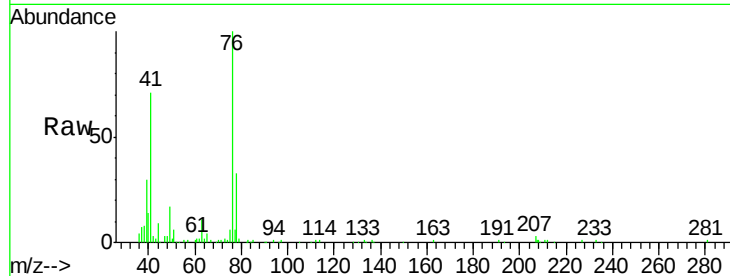




#57
 1,3-Dichloropropane
 Concen: 19.212 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

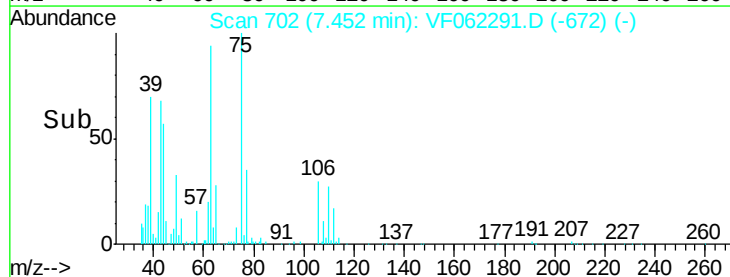
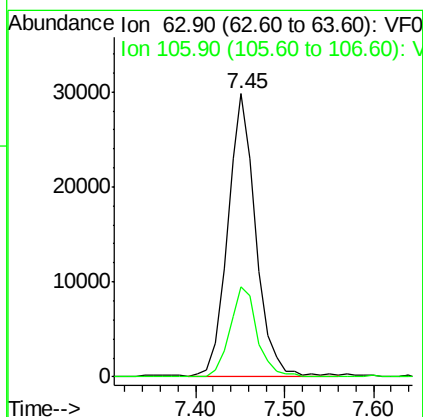
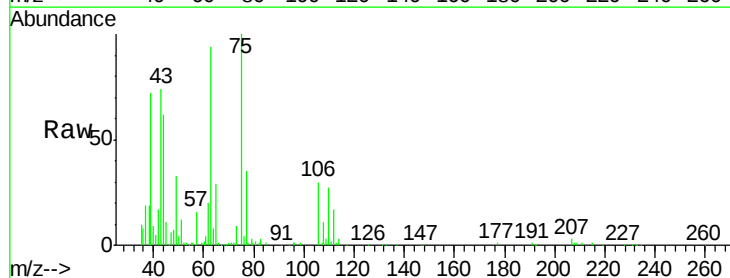
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

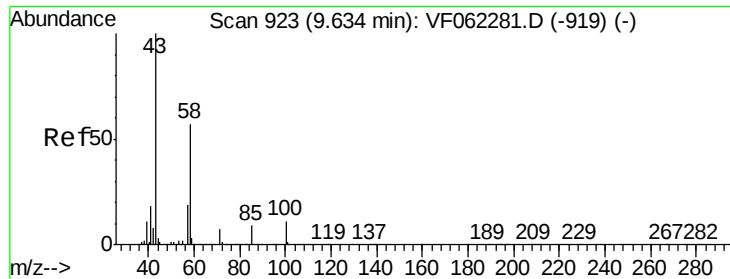
Tot Ion: 76 Resp: 65108
 Ion Ratio Lower Upper
 76 100
 78 34.6 27.0 40.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.697 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Tgt Ion: 63 Resp: 66072
 Ion Ratio Lower Upper
 63 100
 106 30.8 24.7 37.1

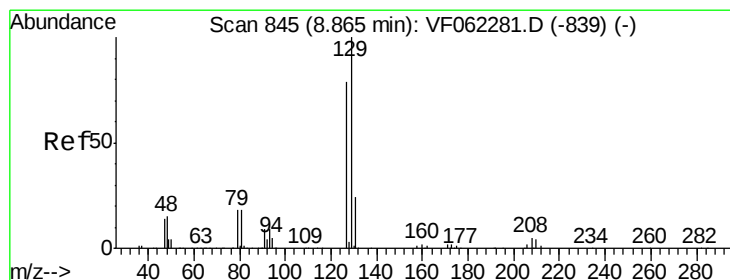
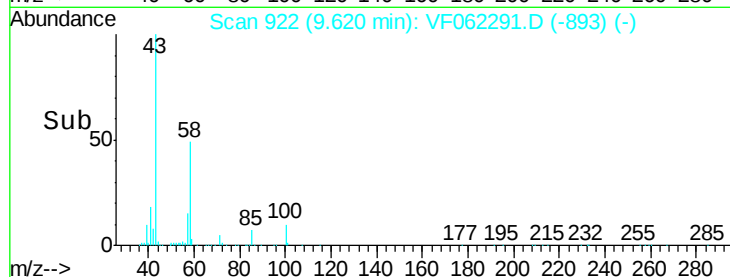
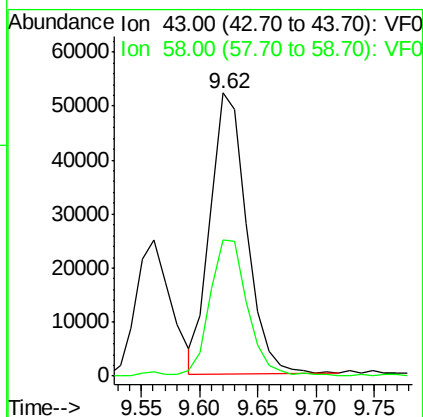
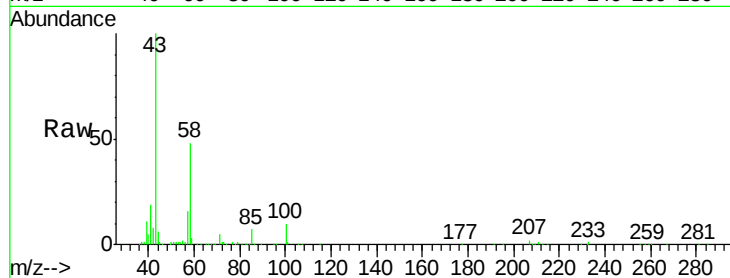




#59
2-Hexanone
Concen: 92.915 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

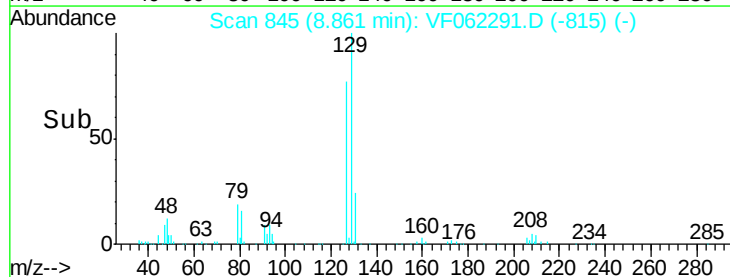
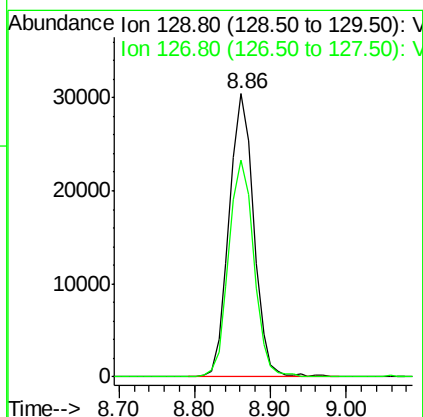
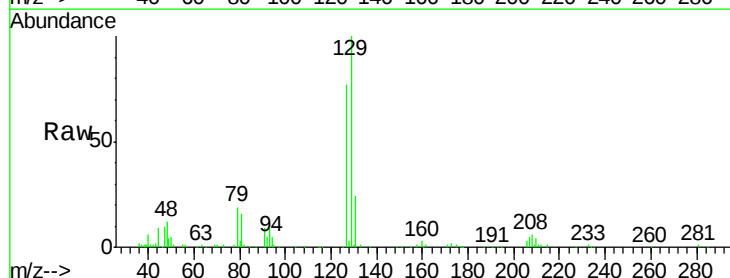
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

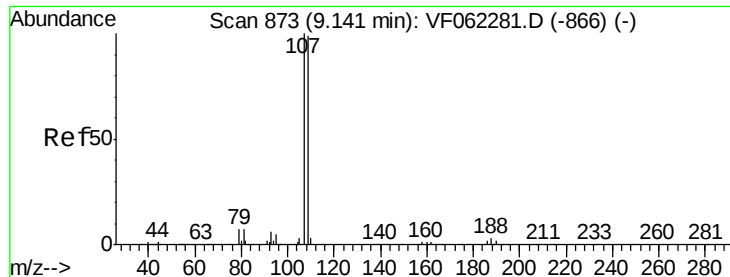
Tot Ion: 43 Resp: 112164
Ion Ratio Lower Upper
43 100
58 49.8 24.9 74.7



#60
Dibromochloromethane
Concen: 19.606 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion: 129 Resp: 68587
Ion Ratio Lower Upper
129 100
127 78.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 18.869 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

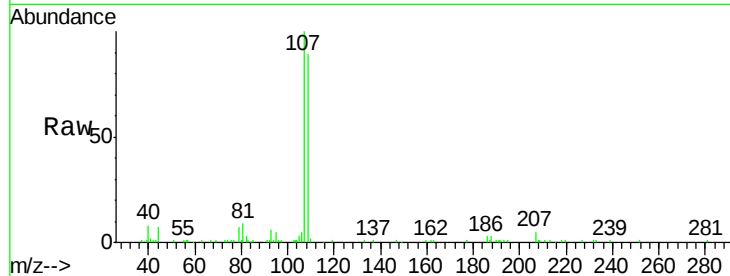
VF0425SBS01

Tot Ion:107 Resp: 47071

Ion Ratio Lower Upper

107 100

109 93.8 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.13

25000

20000

15000

10000

5000

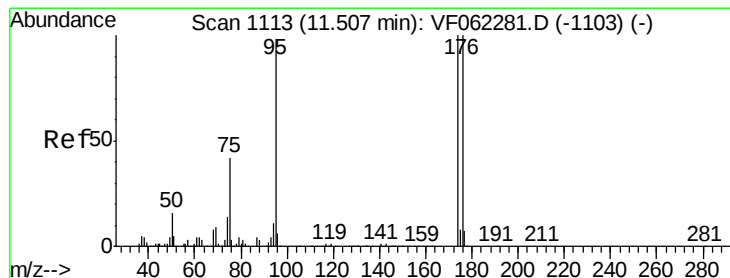
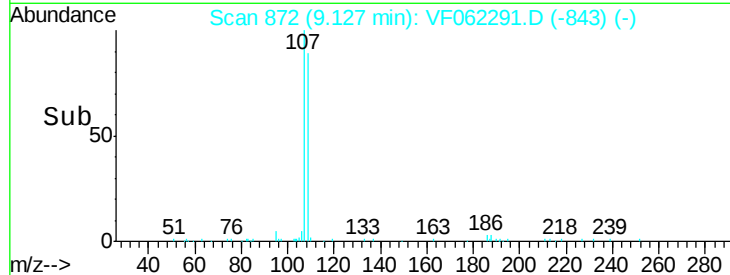
0

Time-->

9.00

9.10

9.20



#62

4-Bromofluorobenzene

Concen: 45.314 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

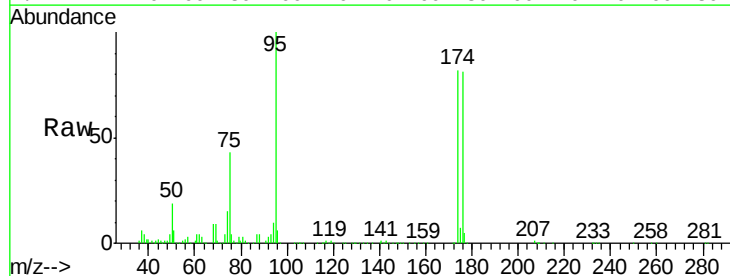
Tgt Ion: 95 Resp: 199592

Ion Ratio Lower Upper

95 100

174 94.3 0.0 185.2

176 94.2 0.0 184.8



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.49

150000

100000

50000

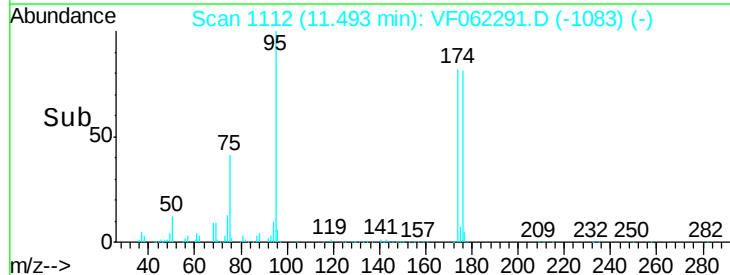
0

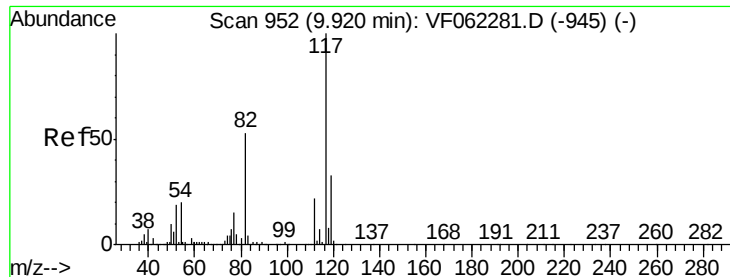
Time-->

11.40

11.50

11.60

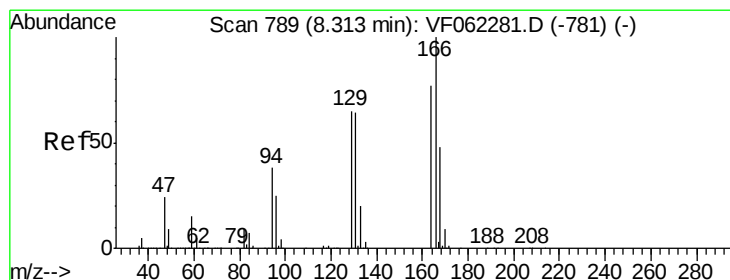
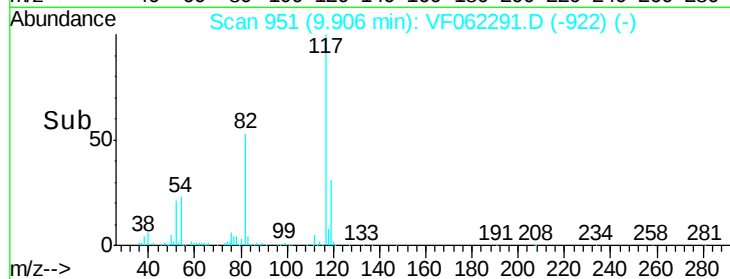
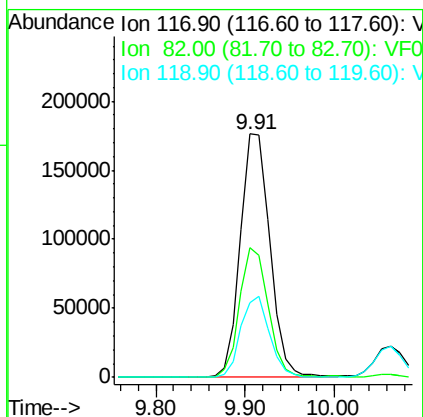
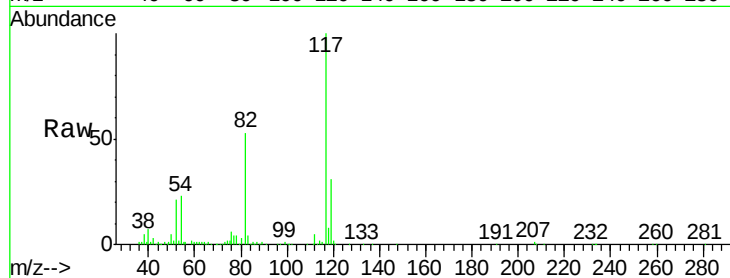




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

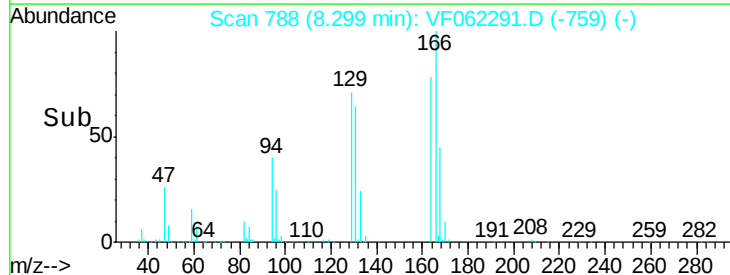
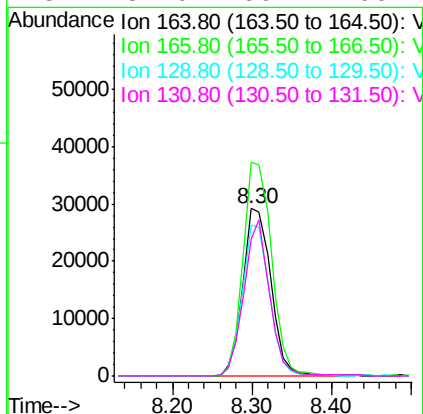
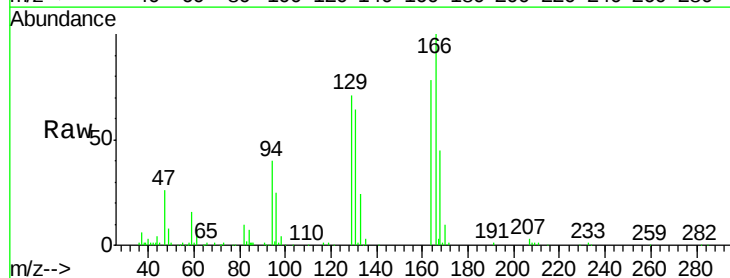
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

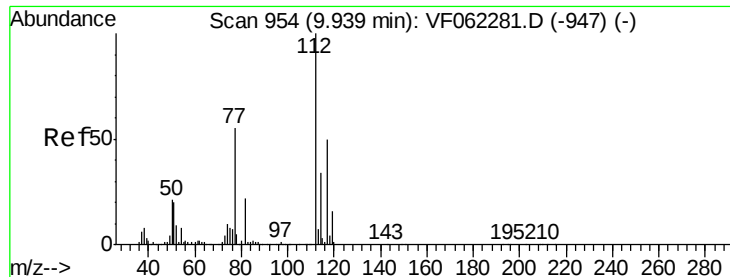
Tot Ion:117 Resp: 408347
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 30.6 26.1 39.1



#64
Tetrachloroethene
Concen: 20.813 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion:164 Resp: 71086
Ion Ratio Lower Upper
164 100
166 127.5 103.5 155.3
129 90.3 67.6 101.4
131 82.0 66.1 99.1





#65

Chlorobenzene

Concen: 20.540 ug/l

RT: 9.94 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

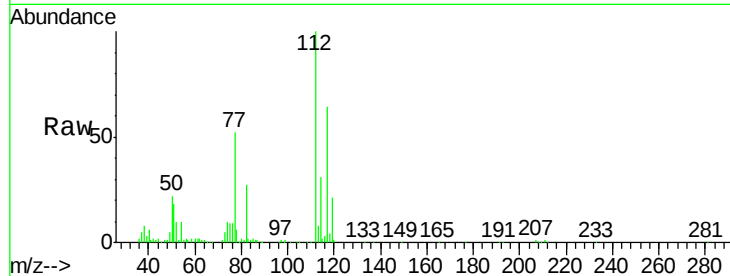
VF0425SBS01

Tot Ion:112 Resp: 153272

Ion Ratio Lower Upper

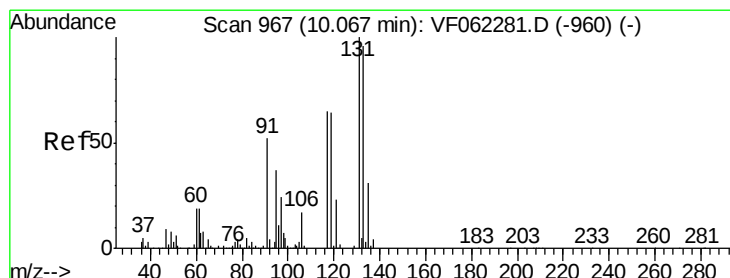
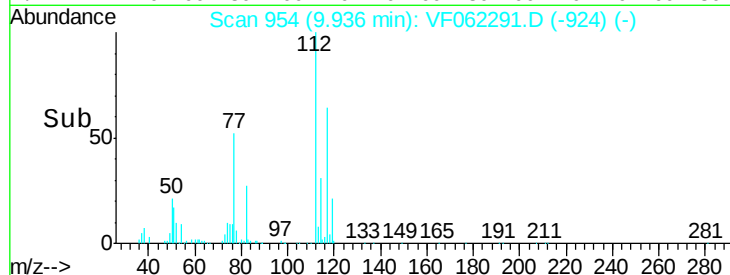
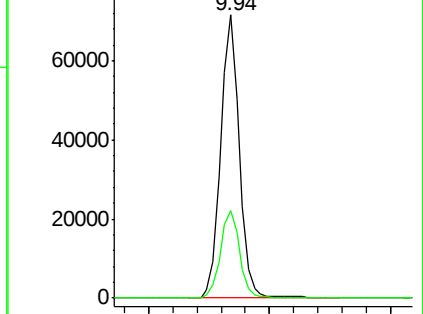
112 100

114 30.9 27.0 40.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.232 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

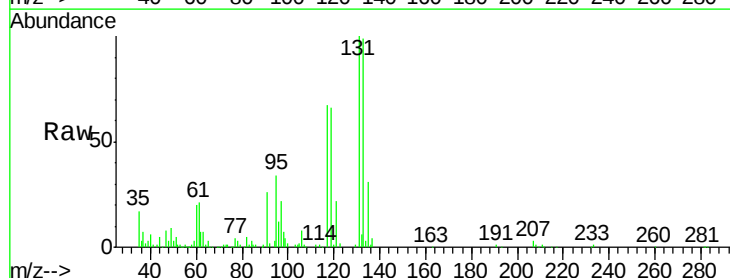
Tgt Ion:131 Resp: 74626

Ion Ratio Lower Upper

131 100

133 97.1 48.5 145.5

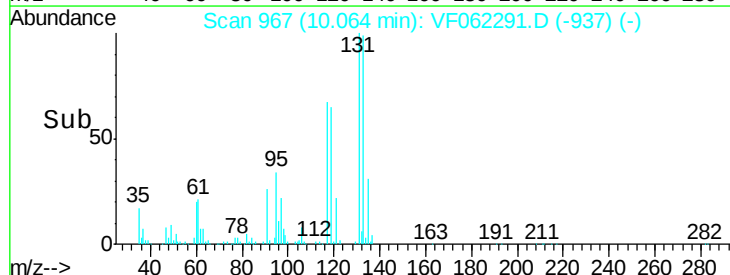
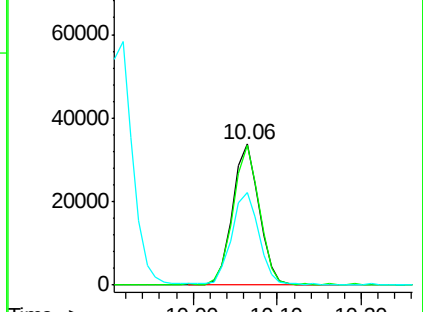
119 67.9 32.9 98.7

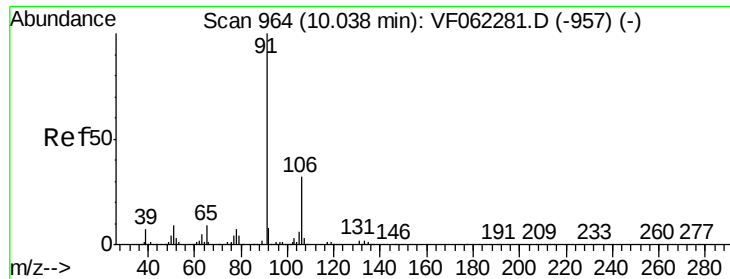


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.170 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

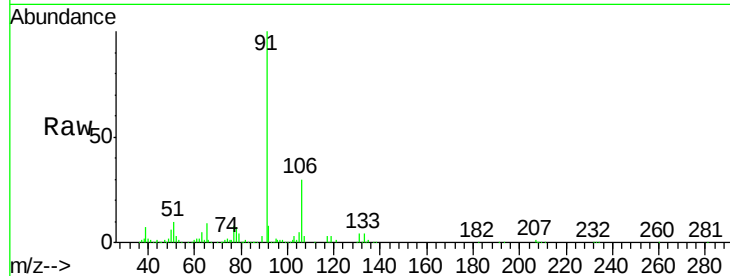
VF0425SBS01

Tot Ion: 91 Resp: 261659

Ion Ratio Lower Upper

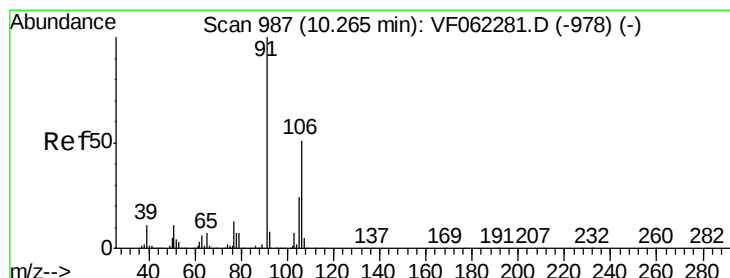
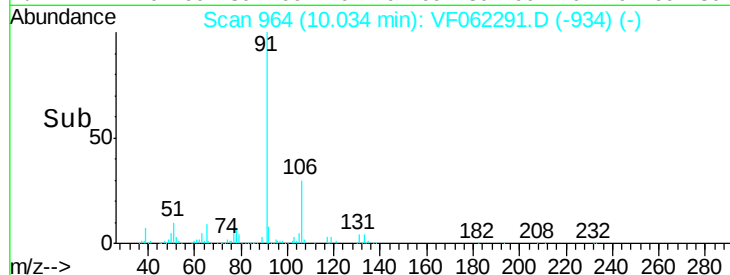
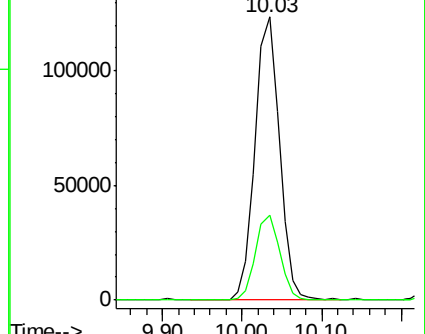
91 100

106 30.2 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.175 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062291.D

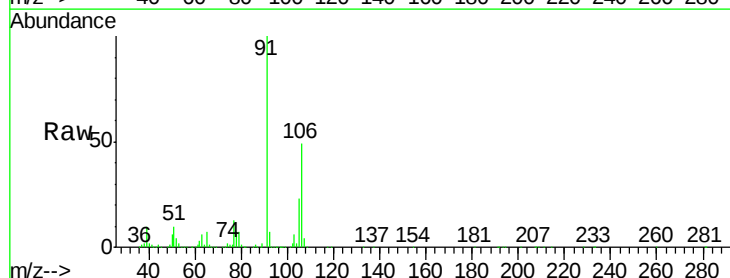
Acq: 25 Apr 2019 14:50

Tgt Ion: 106 Resp: 198870

Ion Ratio Lower Upper

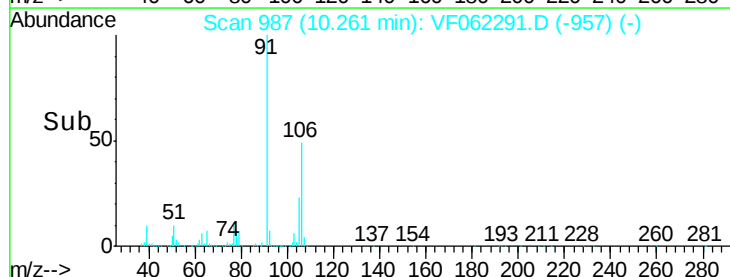
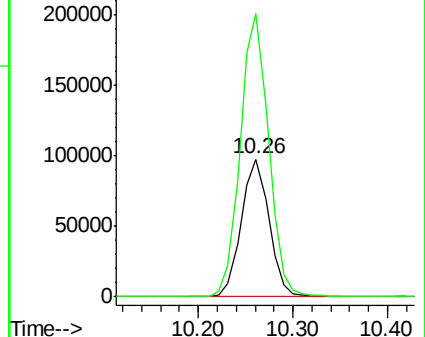
106 100

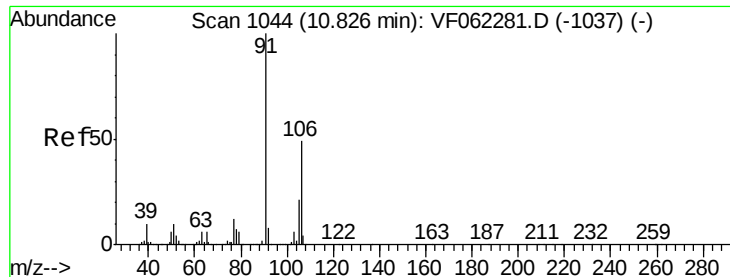
91 208.5 158.3 237.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

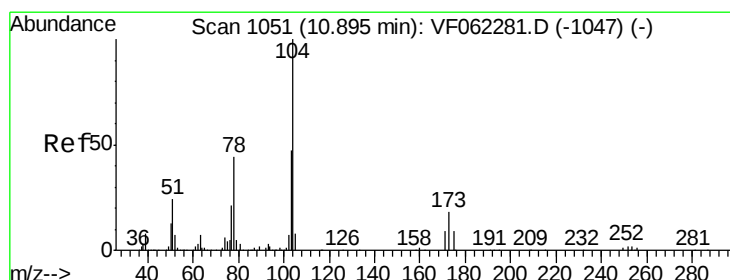
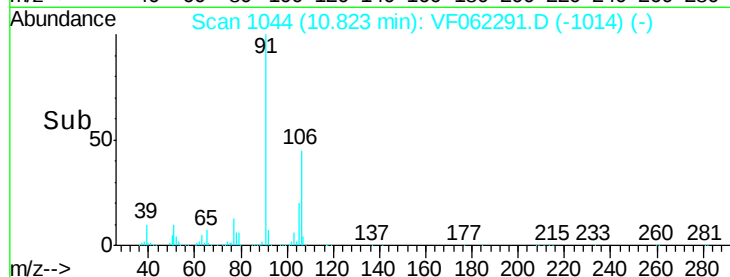
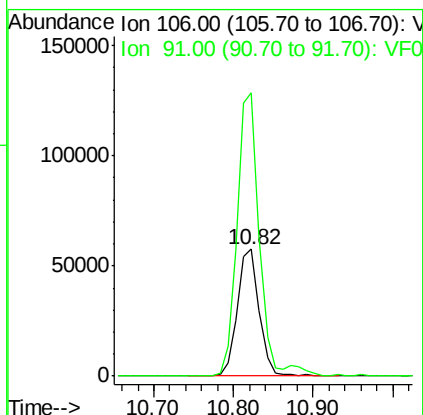
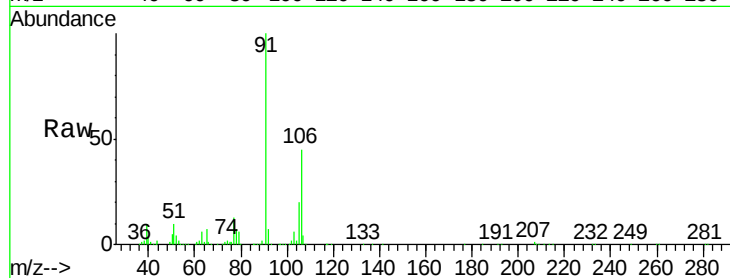




#69
o-Xylene
Concen: 20.615 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

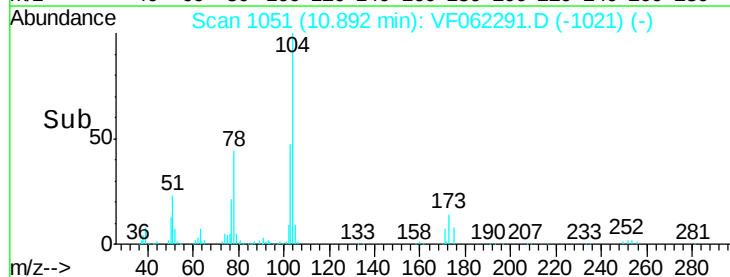
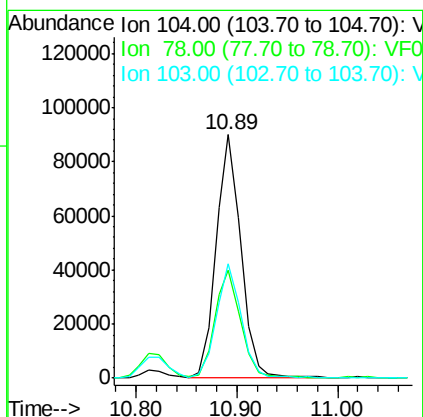
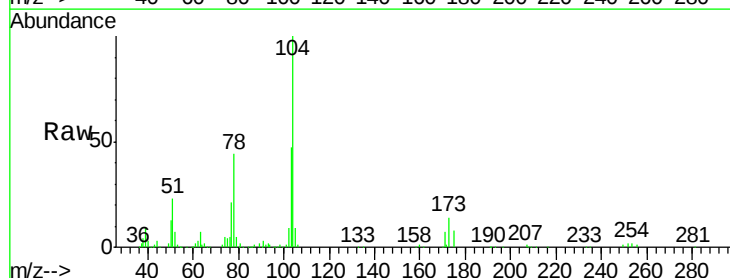
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

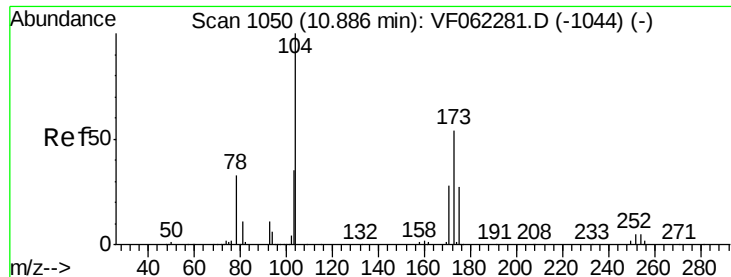
Tot Ion:106 Resp: 111240
Ion Ratio Lower Upper
106 100
91 219.1 110.0 330.0



#70
Styrene
Concen: 19.754 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion:104 Resp: 154094
Ion Ratio Lower Upper
104 100
78 45.9 35.9 53.9
103 47.1 37.5 56.3





#71

Bromoform

Concen: 20.908 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

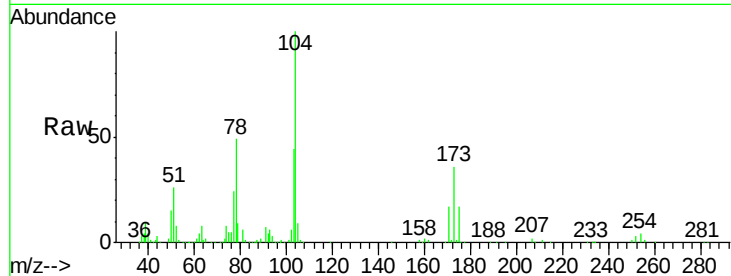
Tot Ion:173 Resp: 41366

Ion Ratio Lower Upper

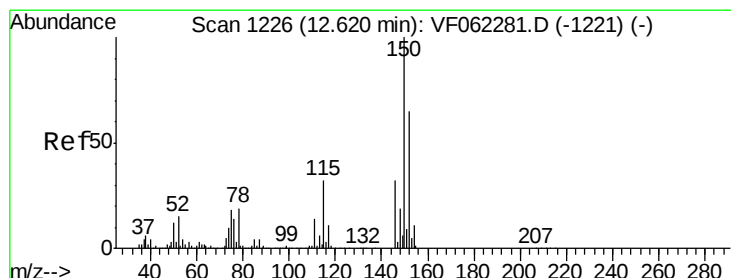
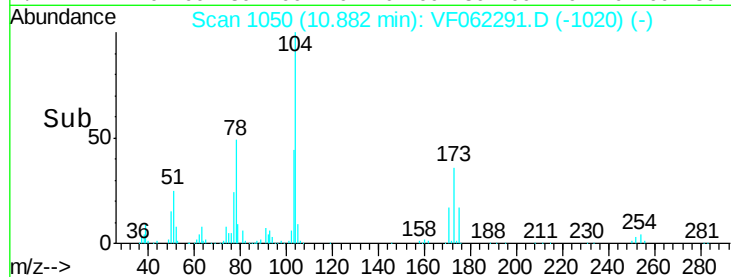
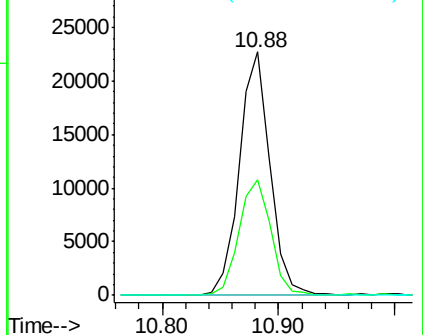
173 100

175 49.0 25.3 75.9

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

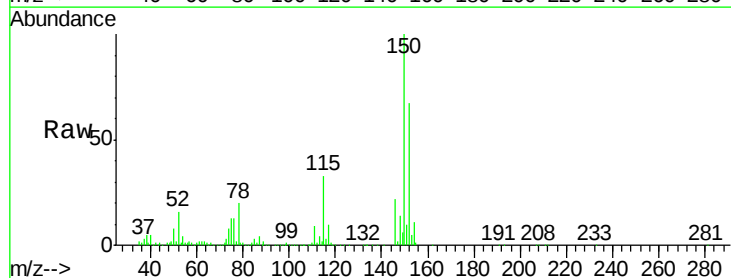
Tgt Ion:152 Resp: 241737

Ion Ratio Lower Upper

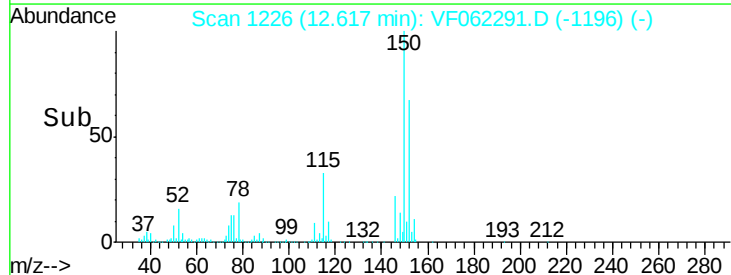
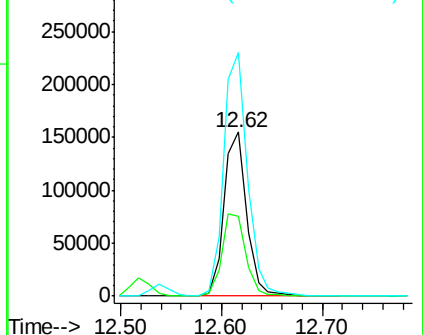
152 100

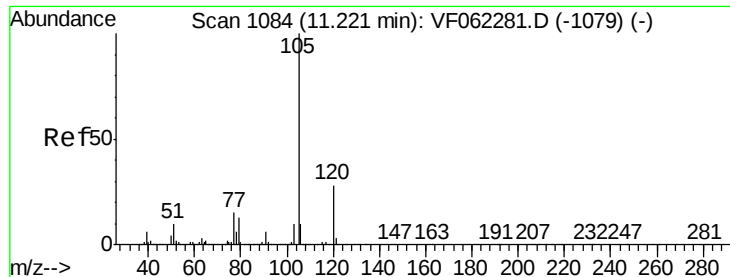
115 53.7 25.6 76.8

150 156.4 0.0 330.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.954 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

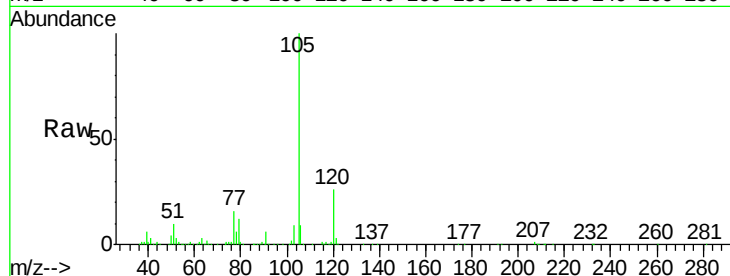
VF0425SBS01

Tot Ion:105 Resp: 347054

Ion Ratio Lower Upper

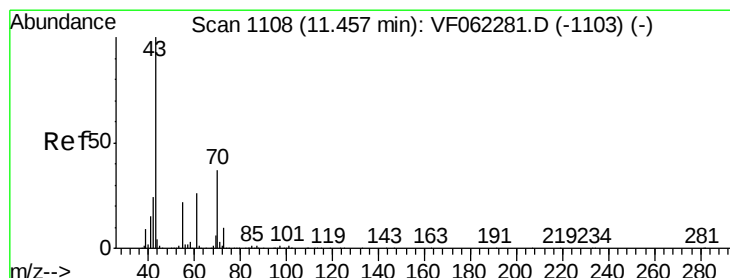
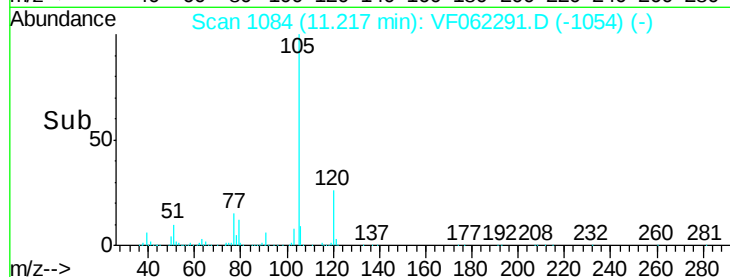
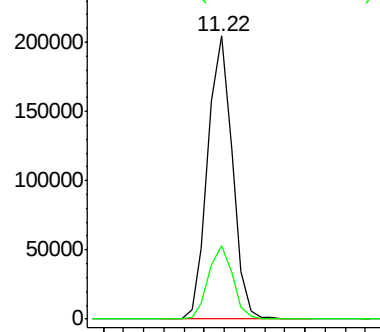
105 100

120 25.6 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.317 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Tgt Ion: 43 Resp: 77532

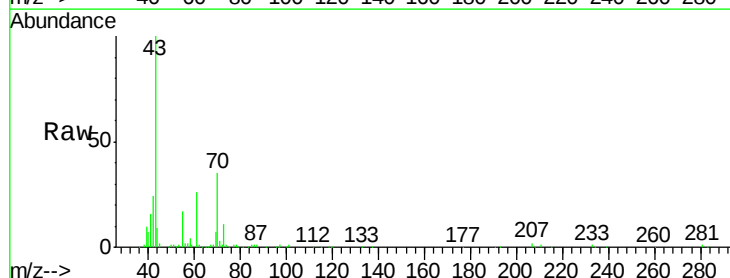
Ion Ratio Lower Upper

43 100

70 34.9 27.8 41.8

55 20.7 16.6 24.8

61 23.5 20.0 30.0

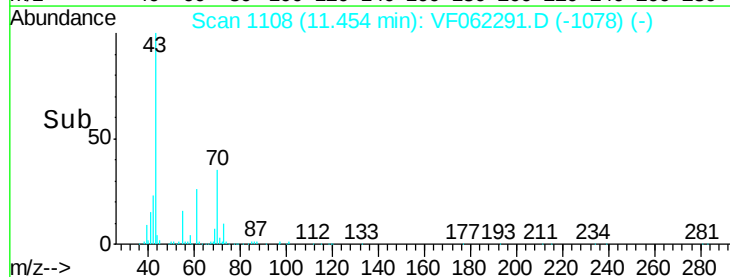
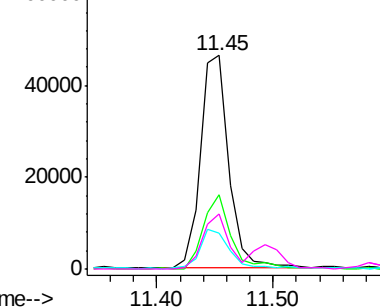


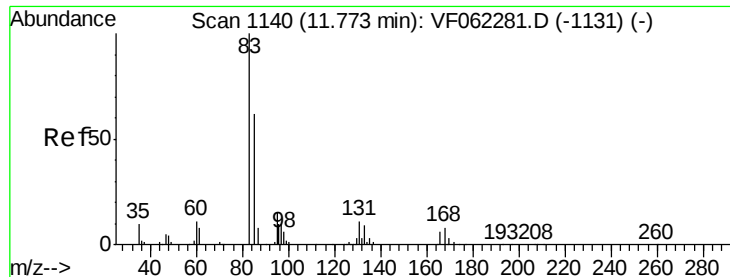
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.104 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

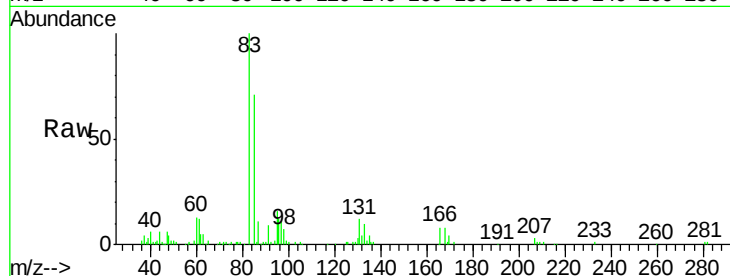
Tot Ion: 83 Resp: 50269

Ion Ratio Lower Upper

83 100

131 12.1 5.5 16.5

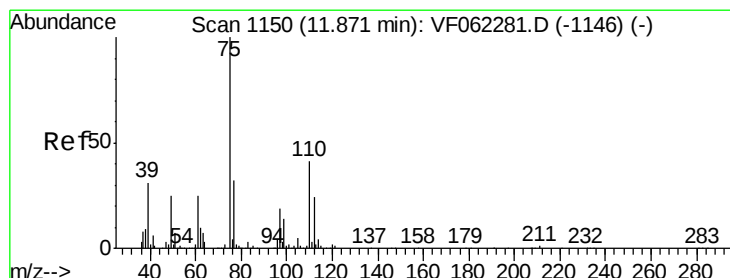
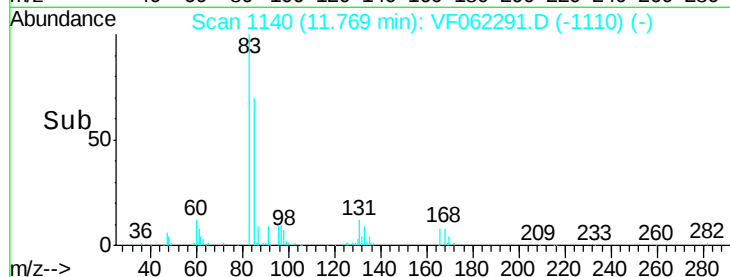
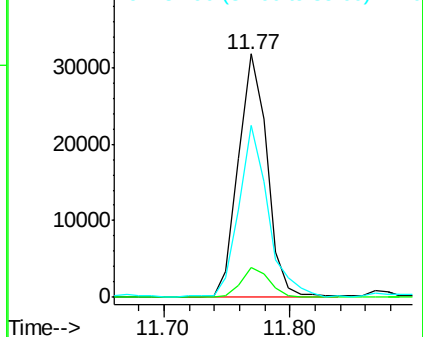
85 72.5 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 21.877 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VF062291.D

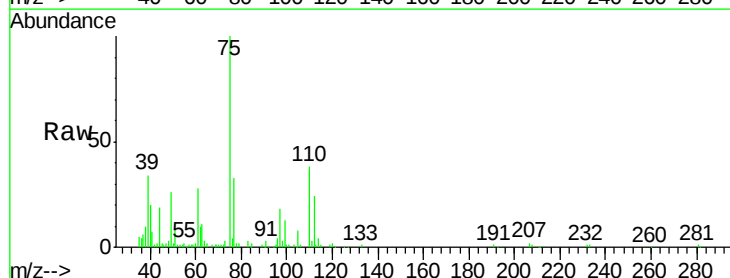
Acq: 25 Apr 2019 14:50

Tgt Ion: 75 Resp: 40844

Ion Ratio Lower Upper

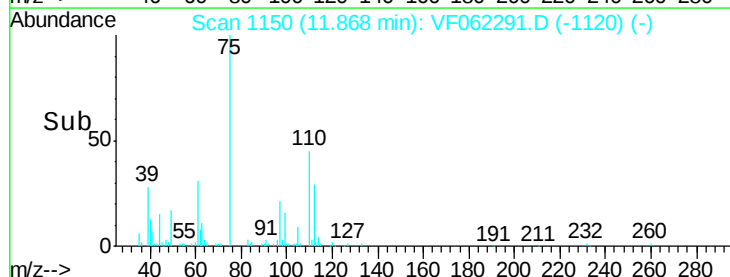
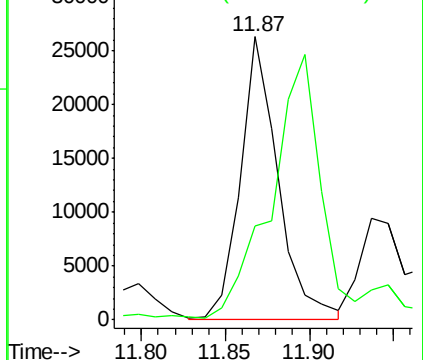
75 100

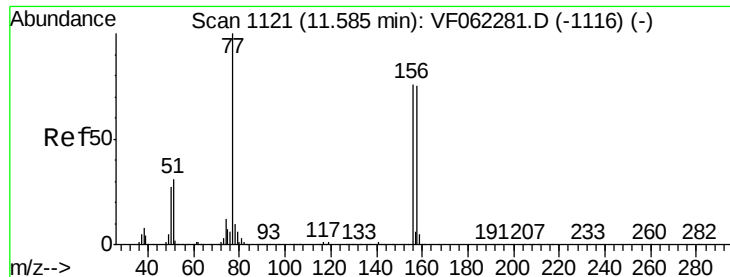
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 19.439 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

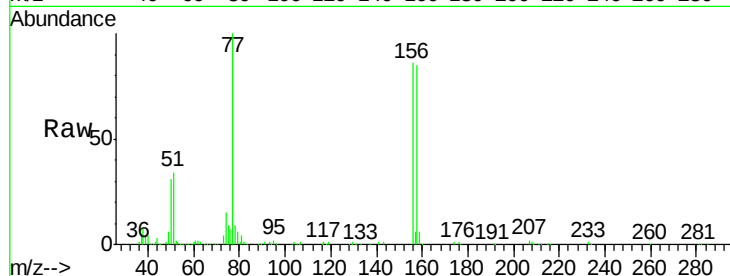
Tot Ion:156 Resp: 80488

Ion Ratio Lower Upper

156 100

77 130.6 67.3 201.9

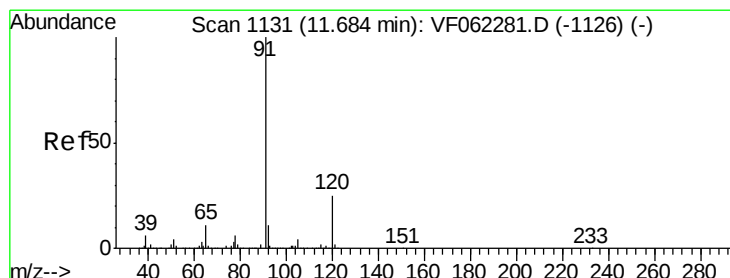
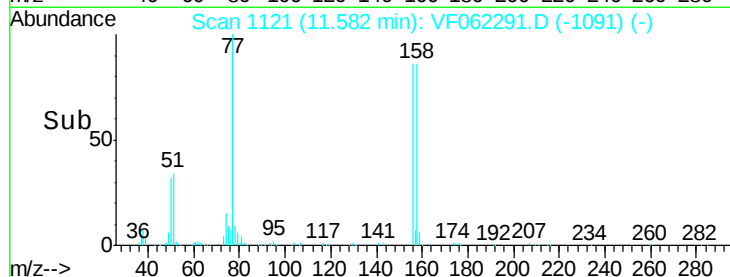
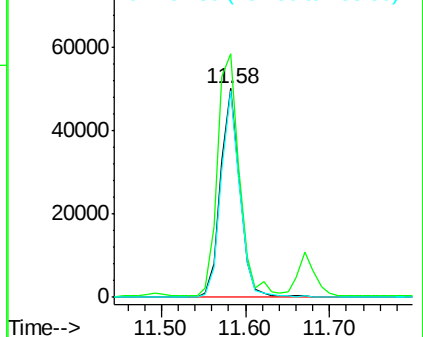
158 96.5 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.405 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF062291.D

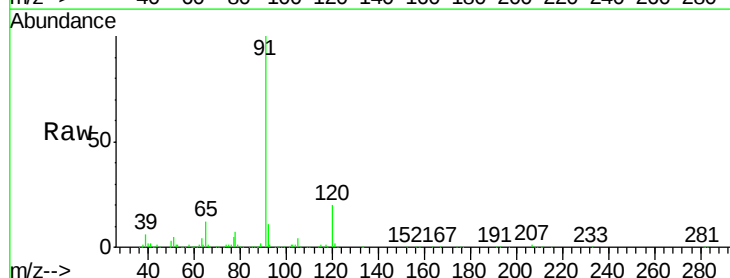
Acq: 25 Apr 2019 14:50

Tgt Ion: 91 Resp: 355605

Ion Ratio Lower Upper

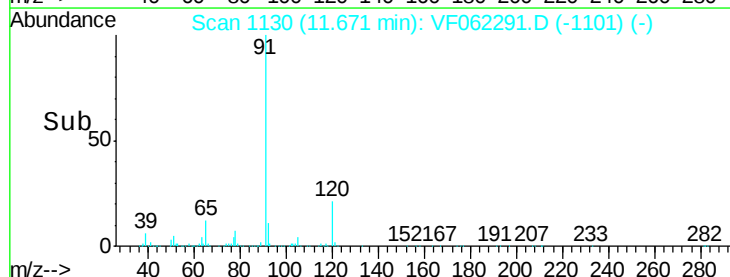
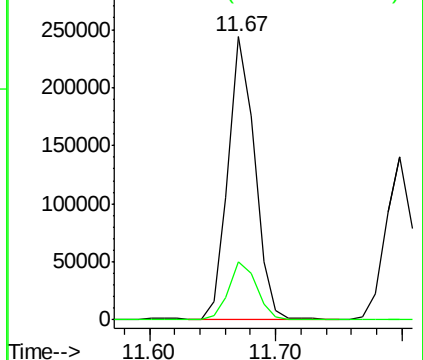
91 100

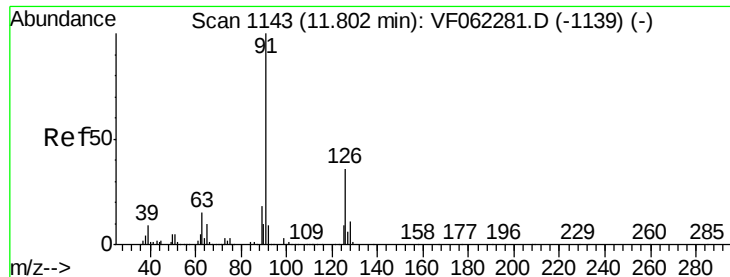
120 21.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.224 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

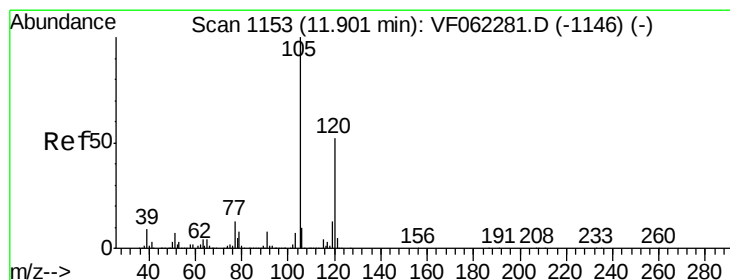
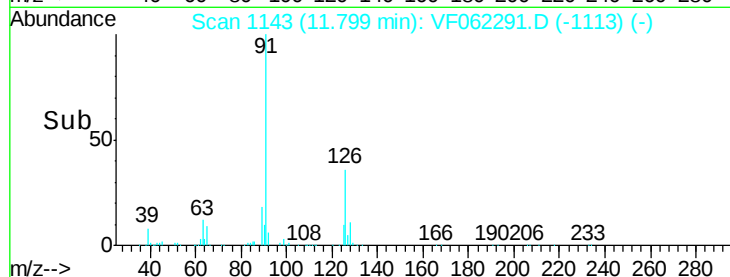
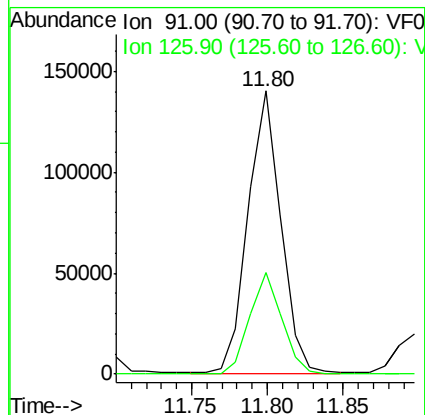
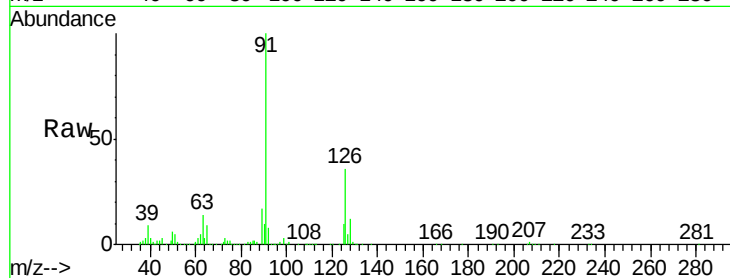
VF0425SBS01

Tot Ion: 91 Resp: 212296

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.244 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062291.D

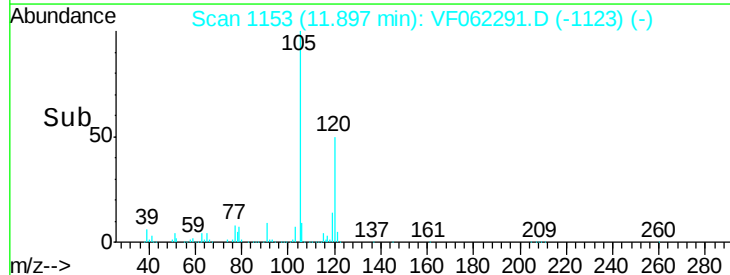
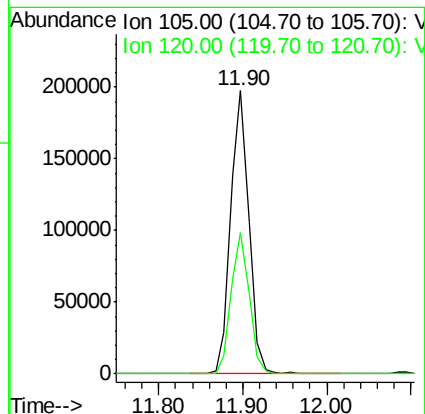
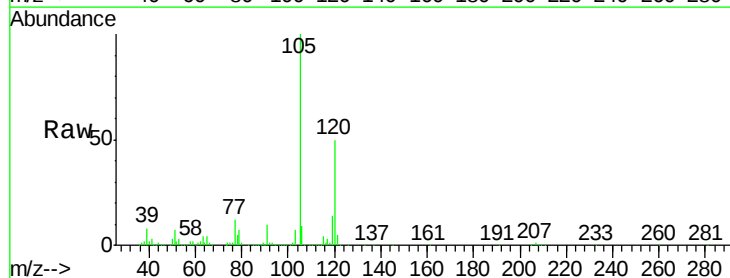
Acq: 25 Apr 2019 14:50

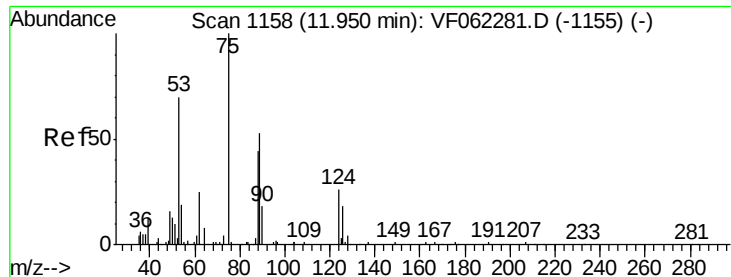
Tgt Ion:105 Resp: 297032

Ion Ratio Lower Upper

105 100

120 49.8 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.644 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

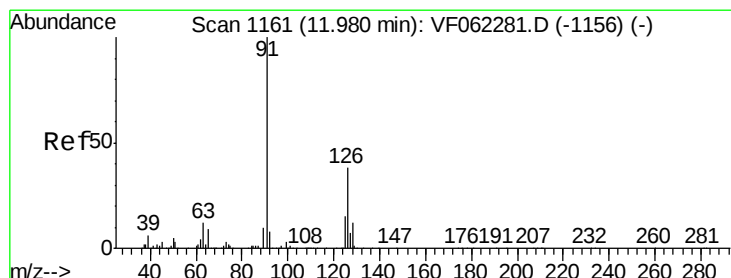
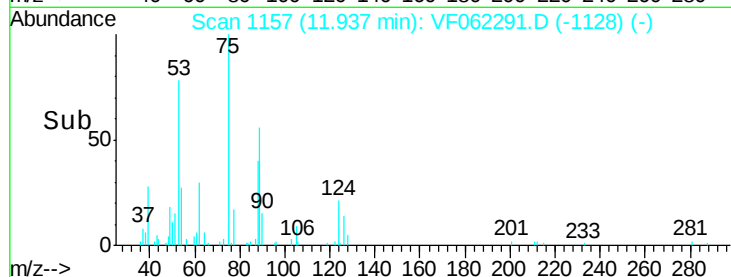
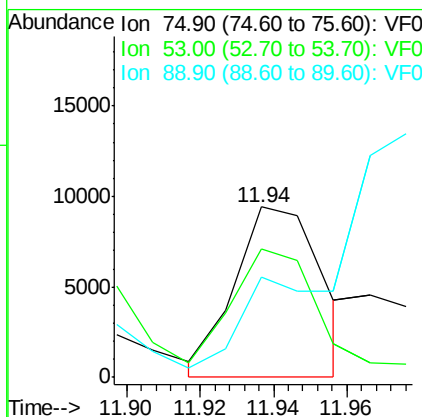
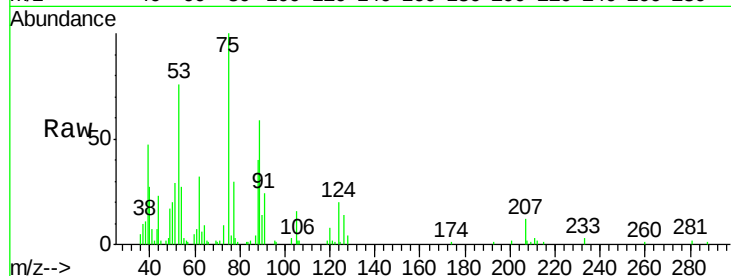
Tot Ion: 75 Resp: 15559

Ion Ratio Lower Upper

75 100

53 81.6 67.1 100.7

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.555 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062291.D

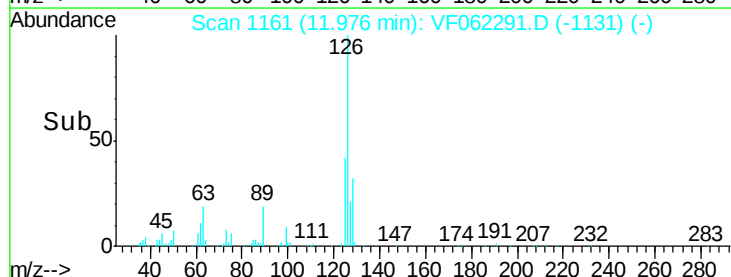
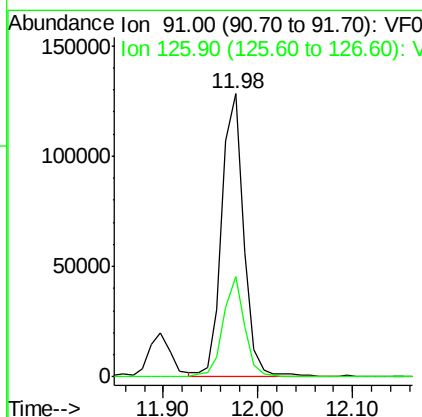
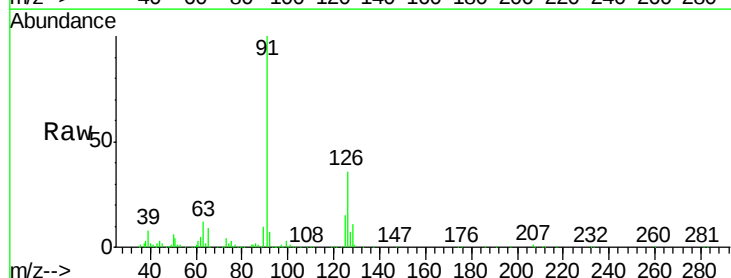
Acq: 25 Apr 2019 14:50

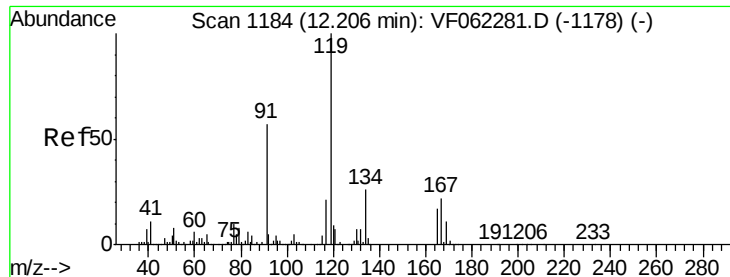
Tgt Ion: 91 Resp: 203118

Ion Ratio Lower Upper

91 100

126 35.3 17.3 52.0





#83

tert-Butylbenzene

Concen: 21.307 ug/l

RT: 12.19 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

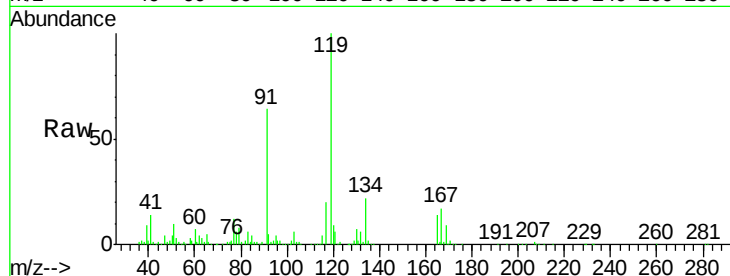
Tot Ion:119 Resp: 305736

Ion Ratio Lower Upper

119 100

91 59.5 29.4 88.2

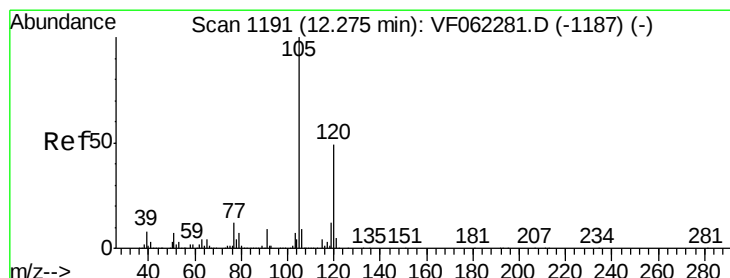
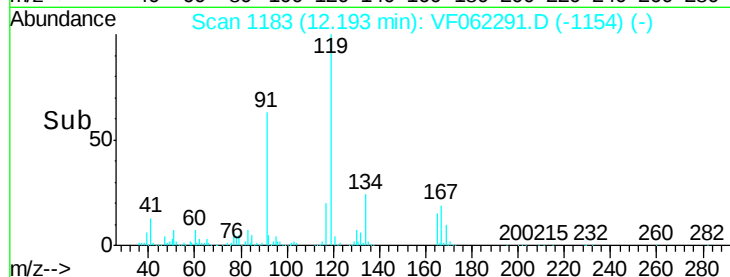
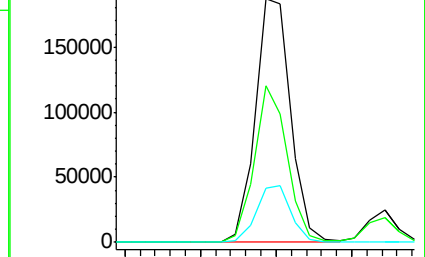
134 22.9 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.986 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062291.D

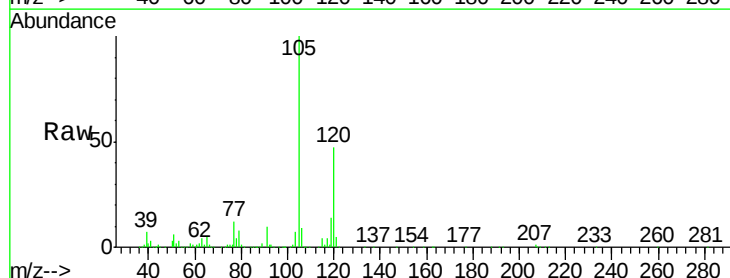
Acq: 25 Apr 2019 14:50

Tgt Ion:105 Resp: 270641

Ion Ratio Lower Upper

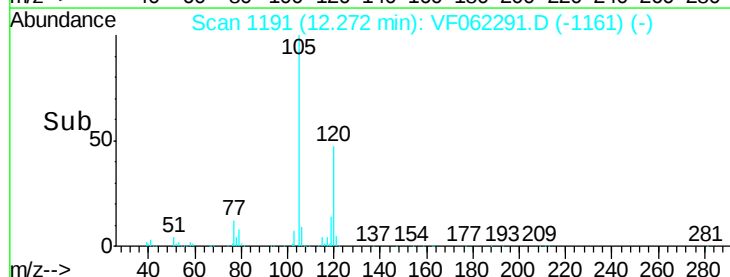
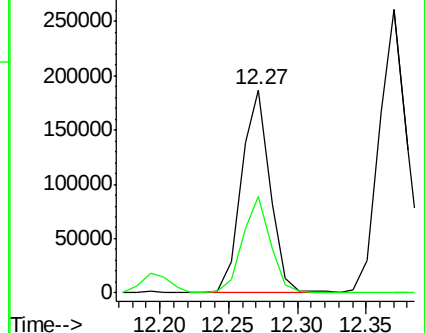
105 100

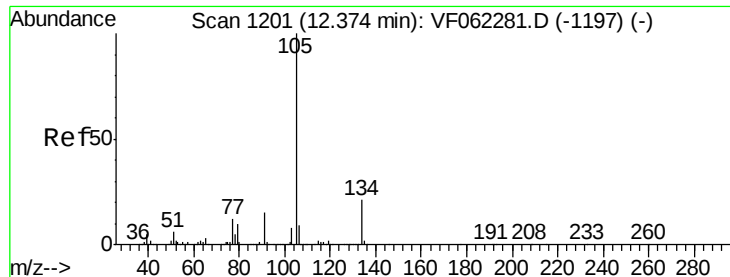
120 46.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.765 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

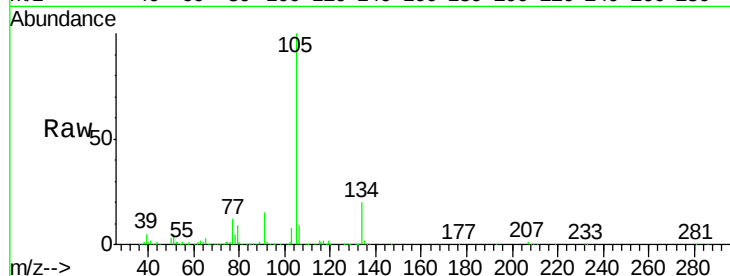
VF0425SBS01

Tot Ion:105 Resp: 371127

Ion Ratio Lower Upper

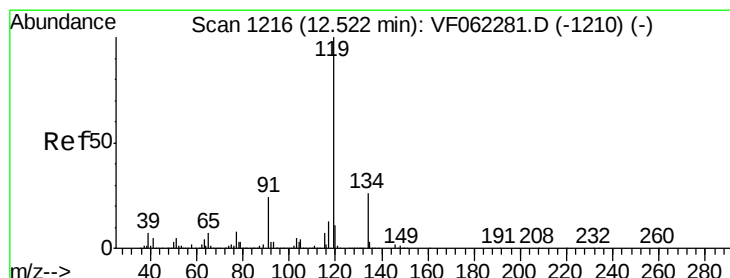
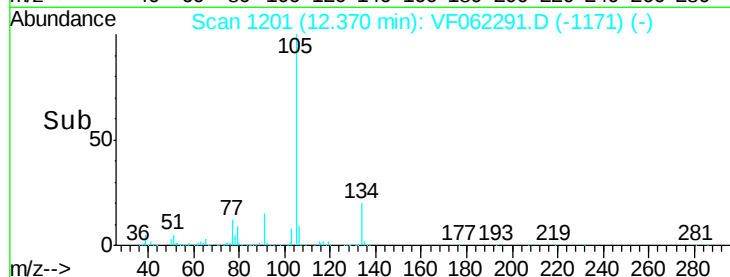
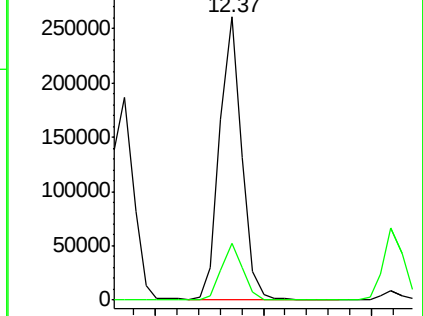
105 100

134 20.0 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.146 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

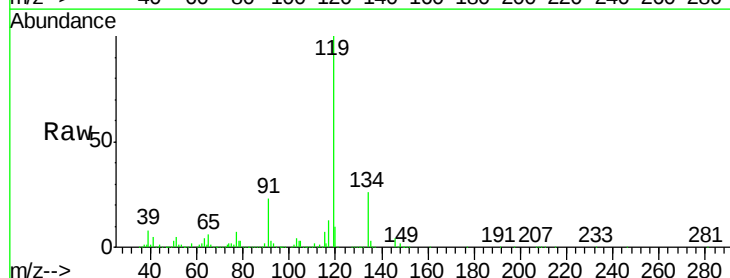
Tgt Ion:119 Resp: 338837

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

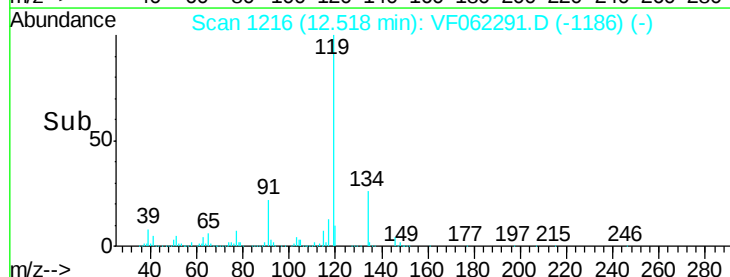
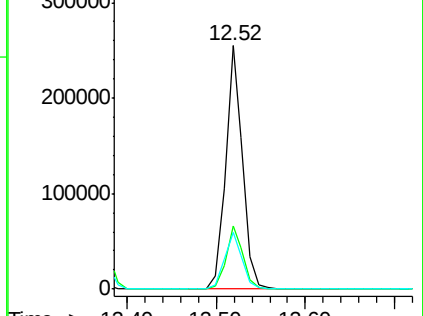
91 24.2 11.6 34.7

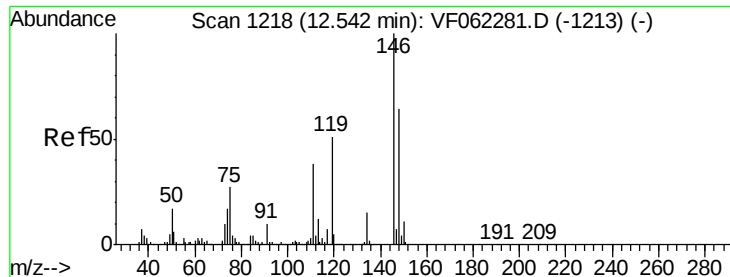


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

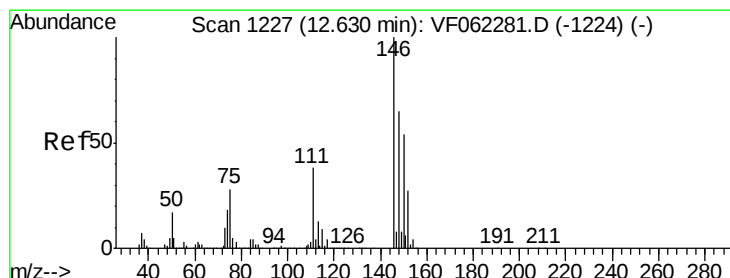
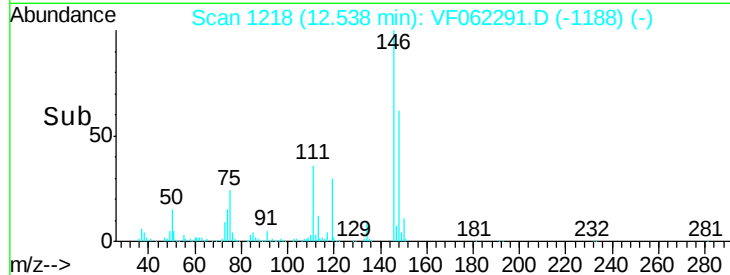
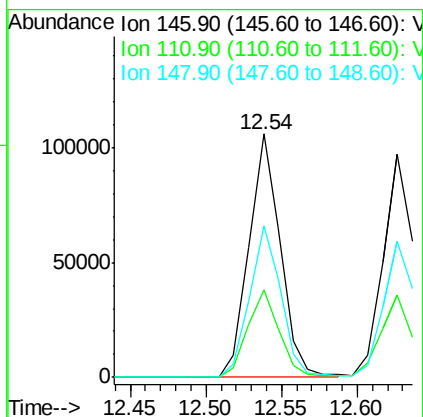
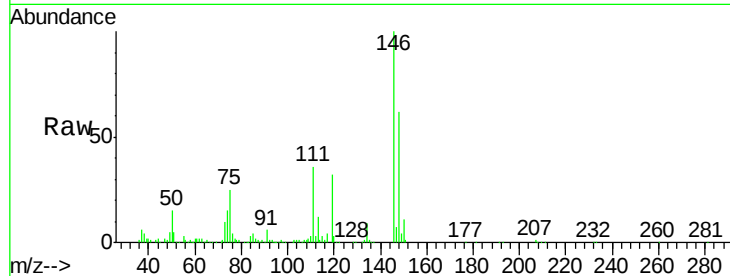




#87
 1,3-Dichlorobenzene
 Concen: 20.972 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

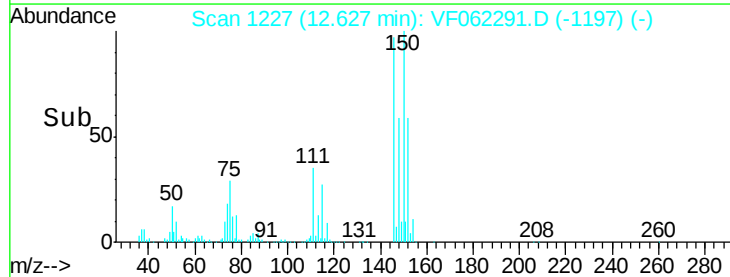
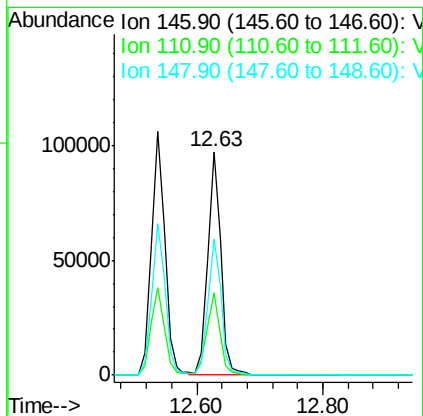
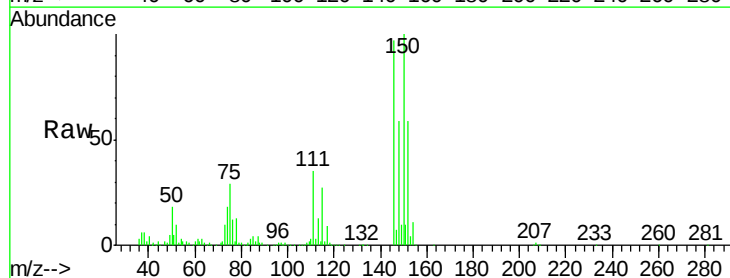
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0425SBS01

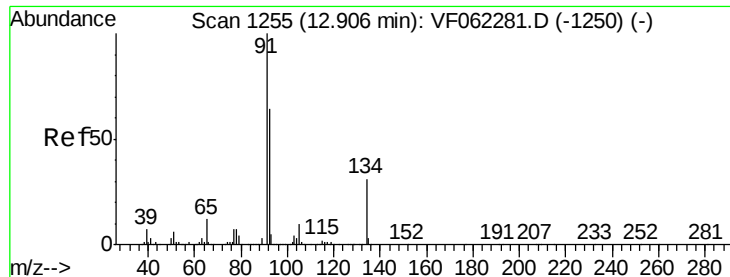
Tot Ion:146 Resp: 153624
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.6 55.8
 148 62.4 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 20.412 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062291.D
 Acq: 25 Apr 2019 14:50

Tgt Ion:146 Resp: 141771
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 62.0 32.5 97.5

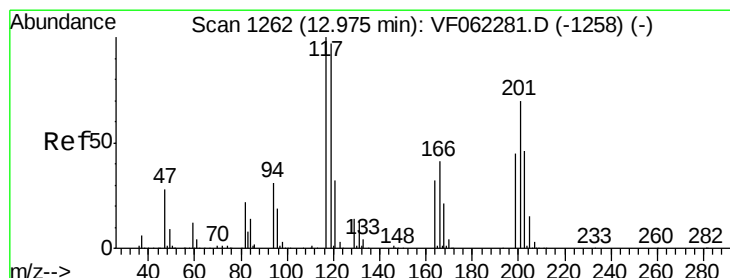
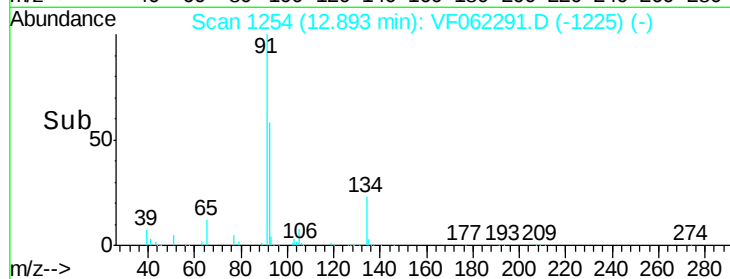
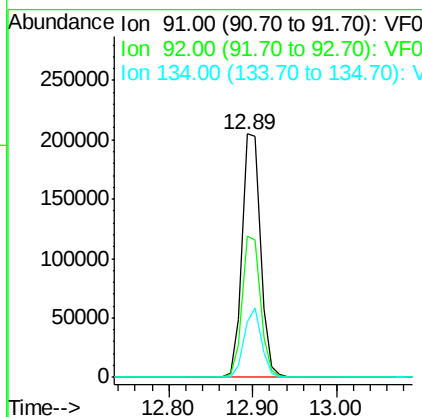
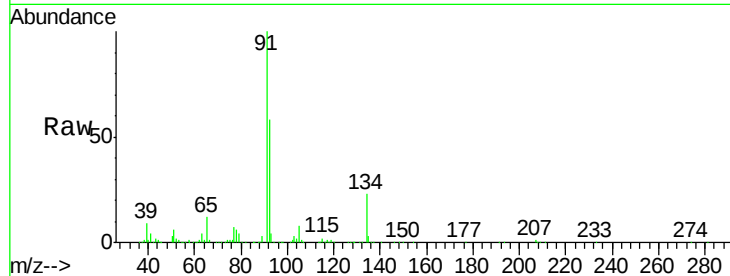




#89
n-Butylbenzene
Concen: 21.661 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

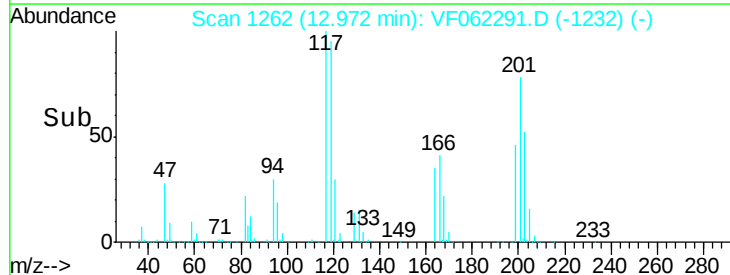
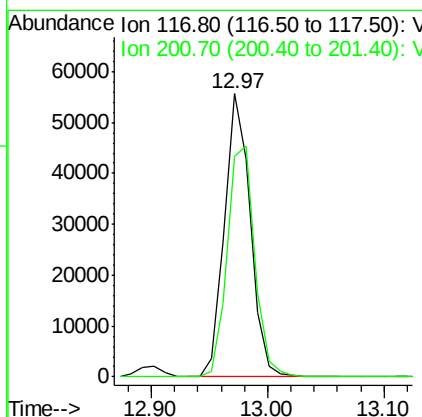
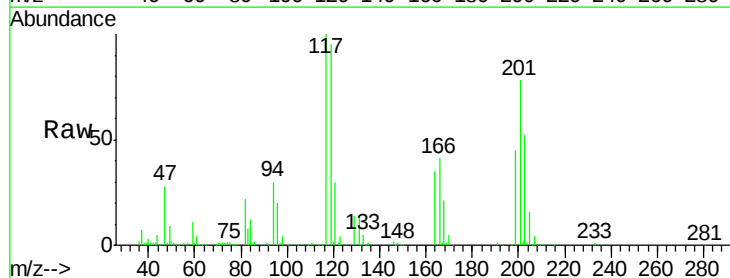
Instrument :
MSVOA_F
ClientSampleId :
VF0425SBS01

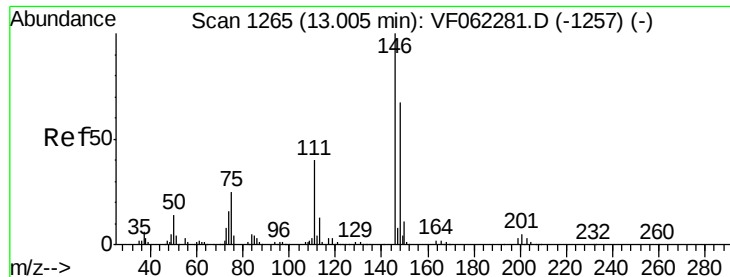
Tot Ion: 91 Resp: 315371
Ion Ratio Lower Upper
91 100
92 57.1 31.1 93.3
134 26.5 14.4 43.4



#90
Hexachloroethane
Concen: 21.347 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF062291.D
Acq: 25 Apr 2019 14:50

Tgt Ion: 117 Resp: 85742
Ion Ratio Lower Upper
117 100
201 86.8 42.9 128.5





#91

1,2-Dichlorobenzene

Concen: 20.451 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

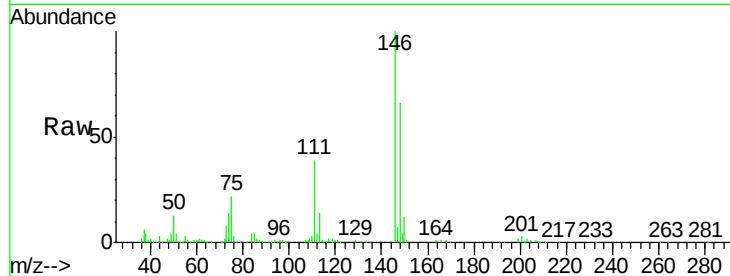
Tot Ion:146 Resp: 143801

Ion Ratio Lower Upper

146 100

111 40.2 20.0 59.9

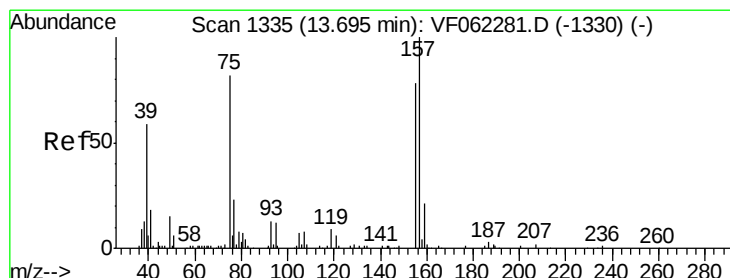
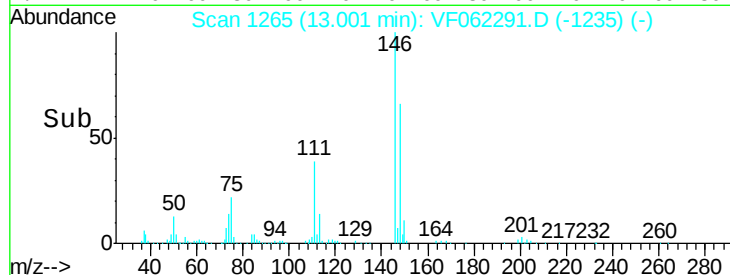
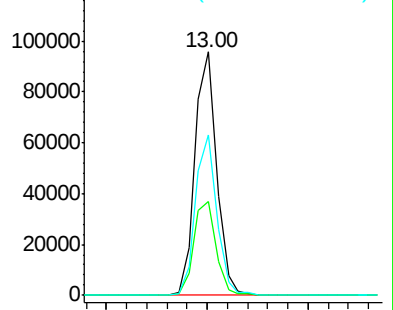
148 64.8 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.584 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

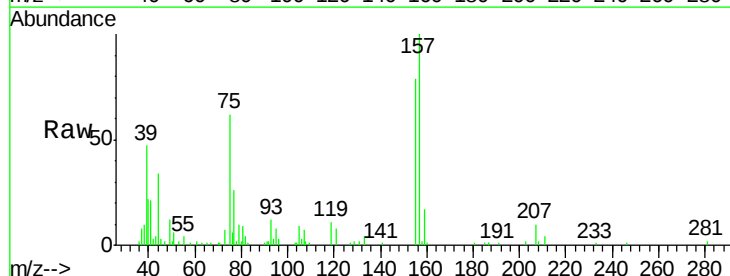
Tgt Ion: 75 Resp: 9865

Ion Ratio Lower Upper

75 100

155 111.3 51.7 155.2

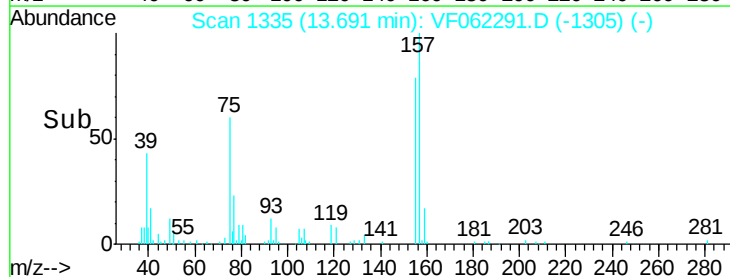
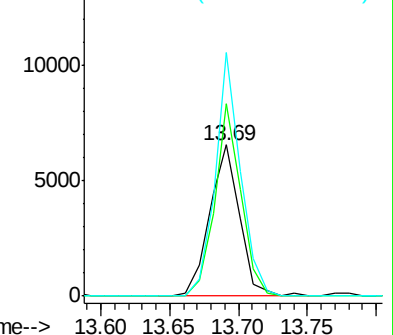
157 136.6 64.5 193.5

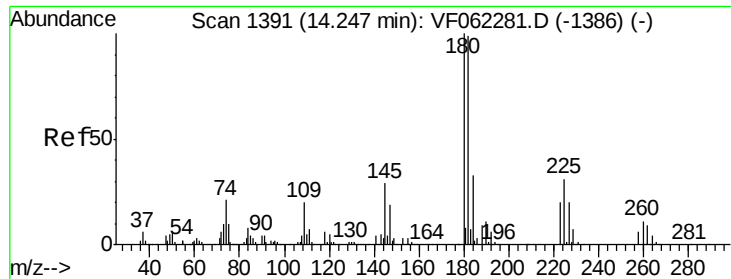


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 21.759 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

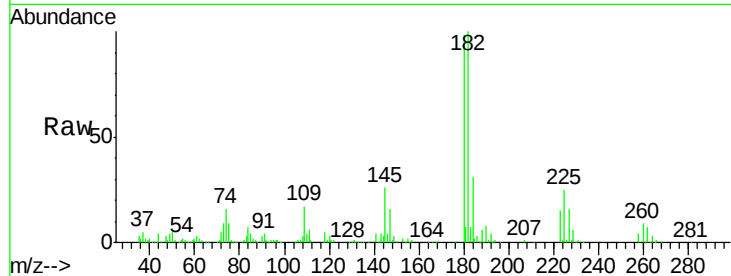
Tot Ion:180 Resp: 134411

Ion Ratio Lower Upper

180 100

182 97.3 48.5 145.6

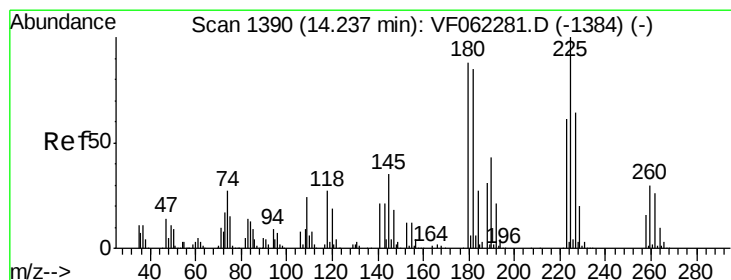
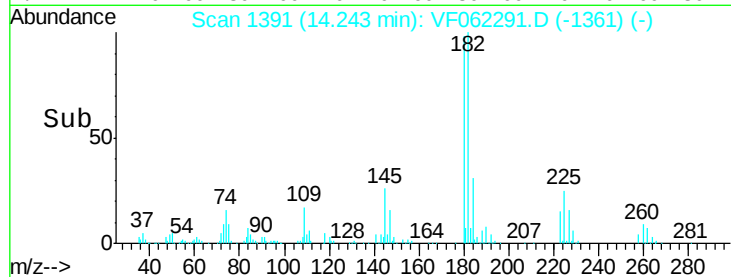
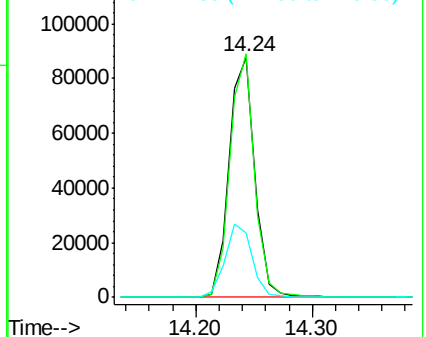
145 32.1 16.7 50.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.497 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

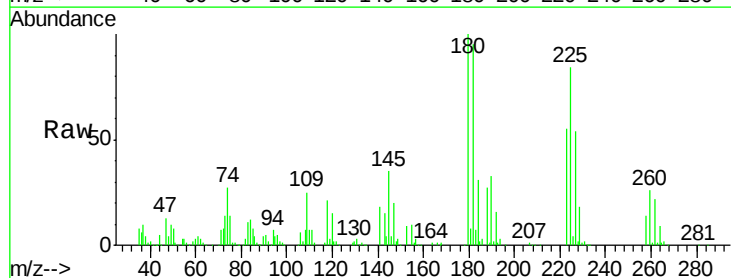
Tgt Ion:225 Resp: 95501

Ion Ratio Lower Upper

225 100

223 65.0 30.8 92.3

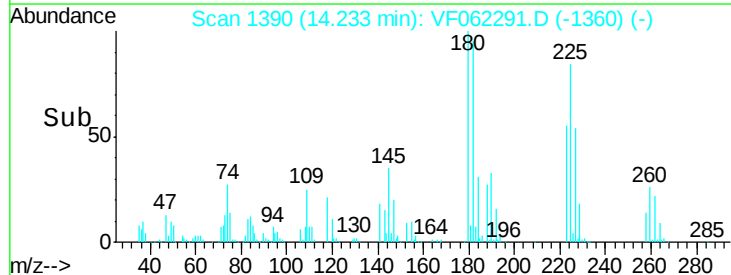
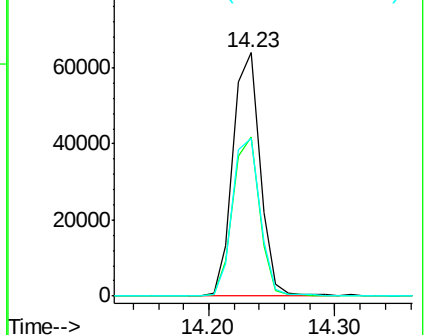
227 66.1 31.9 95.5

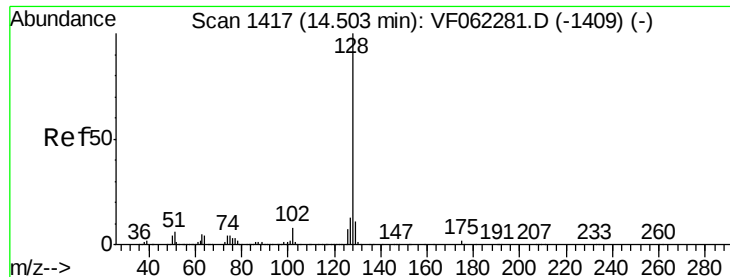


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.951 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.01 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

Instrument :

MSVOA_F

ClientSampleId :

VF0425SBS01

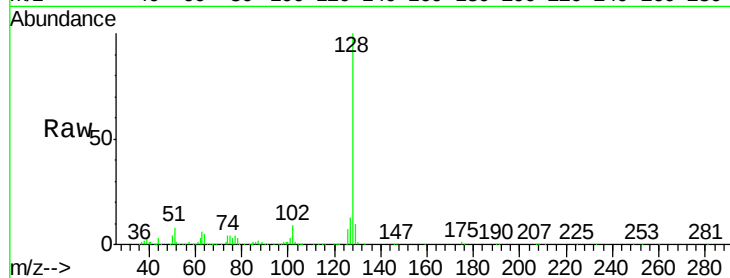
Tot Ion:128 Resp: 200499

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

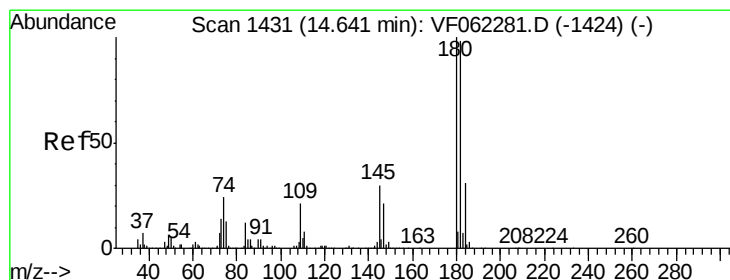
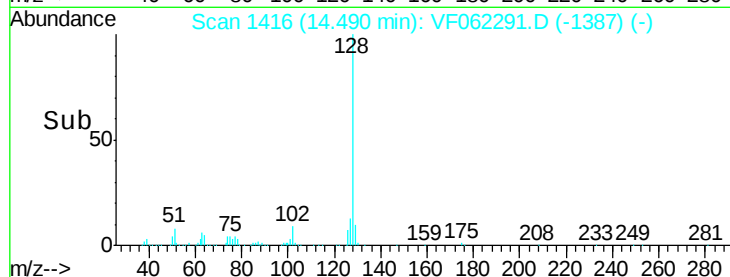
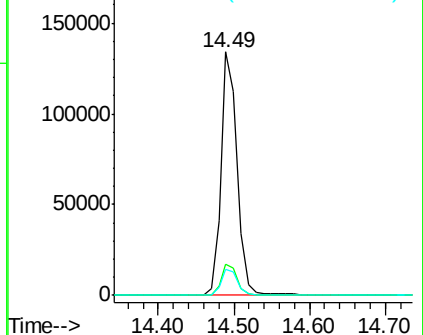
129 10.8 8.9 13.3



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: 22.320 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062291.D

Acq: 25 Apr 2019 14:50

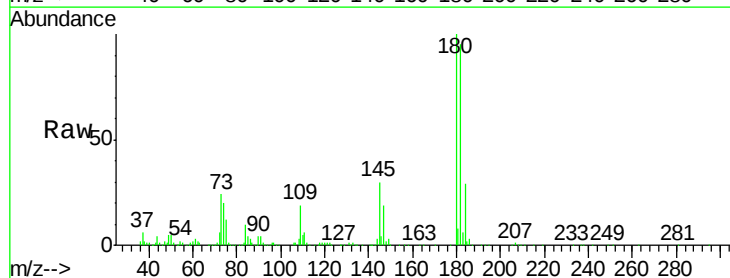
Tgt Ion:180 Resp: 130402

Ion Ratio Lower Upper

180 100

182 95.3 49.0 147.2

145 28.8 14.5 43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

