

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042619\
 Data File : VF062307.D
 Acq On : 26 Apr 2019 16:03
 Operator : FY/SY
 Sample : VF0426SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBSD01

Quant Time: Apr 27 00:35:48 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	5.09	168	408553	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.81	114	553488	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	406816	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	241425	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	176194	53.24	ug/l	0.02
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	4.34	113	208779	50.87	ug/l	0.02
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	7.75	98	471217	47.01	ug/l	0.02
Spiked Amount			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	11.52	95	190373	46.08	ug/l	0.01
Spiked Amount			Recovery	=	92.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	111389	22.942	ug/l	94
3) Chloromethane	1.17	50	77505	18.949	ug/l	98
4) Vinyl Chloride	1.20	62	75286	19.435	ug/l	99
5) Bromomethane	1.41	94	53307	20.264	ug/l	93
6) Chloroethane	1.45	64	33970	20.005	ug/l	89
7) Trichlorofluoromethane	1.58	101	132699	21.558	ug/l	84
8) Diethyl Ether	1.72	74	22723	20.377	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.92	101	81633	21.132	ug/l	96
10) Methyl Iodide	2.00	142	138618	20.529	ug/l	95
11) Tert butyl alcohol	2.73	59	20480	102.305	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	72428	21.013	ug/l	94
13) Acrolein	2.12	56	16705	94.319	ug/l	97
14) Allyl chloride	2.22	41	77548	20.673	ug/l #	12
15) Acrylonitrile	3.11	53	52425	94.553	ug/l	97
16) Acetone	2.37	43	84671	114.274	ug/l	97
17) Carbon Disulfide	1.94	76	171981	18.959	ug/l	99
18) Methyl Acetate	2.48	43	30856	20.638	ug/l	95
19) Methyl tert-butyl Ether	2.57	73	136908	20.835	ug/l	95
20) Methylene Chloride	2.35	84	70058	18.859	ug/l	97
21) trans-1,2-Dichloroethene	2.44	96	68981	20.251	ug/l	98
22) Diisopropyl ether	2.96	45	199525	19.758	ug/l	93
23) Vinyl Acetate	3.38	43	449196	100.312	ug/l	99
24) 1,1-Dichloroethane	3.03	63	124559	21.611	ug/l	99
25) 2-Butanone	4.56	43	111337	94.767	ug/l	99
26) 2,2-Dichloropropane	3.81	77	66204	22.119	ug/l	98
27) cis-1,2-Dichloroethene	3.68	96	84975	19.699	ug/l	98
28) Bromochloromethane	3.93	49	46377	19.094	ug/l #	98
29) Tetrahydrofuran	4.31	42	46967	90.981	ug/l	94
30) Chloroform	4.09	83	158503	21.900	ug/l	100
31) Cyclohexane	3.91	56	108615	19.805	ug/l	96
32) 1,1,1-Trichloroethane	4.33	97	131661	23.170	ug/l #	85
36) 1,1-Dichloropropene	4.51	75	107298	21.013	ug/l	98
37) Ethyl Acetate	4.34	43	46437	21.616	ug/l #	75
38) Carbon Tetrachloride	4.22	117	146703	28.260	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.67	83	117844	19.769	ug/l	97
40) Benzene	4.86	78	258852	20.981	ug/l	97
41) Methacrylonitrile	4.98	41	23622	19.793	ug/l #	63
42) 1,2-Dichloroethane	5.16	62	93357	23.886	ug/l	96
43) Isopropyl Acetate	7.14	43	44779	20.216	ug/l #	97
44) Trichloroethene	5.72	130	86918	20.823	ug/l	92
45) 1,2-Dichloropropane	6.44	63	55565	19.976	ug/l	99
46) Dibromomethane	6.30	93	44092	21.952	ug/l	100
47) Bromodichloromethane	6.58	83	105176	22.274	ug/l #	91
48) Methyl methacrylate	6.91	41	30851	19.602	ug/l	94
49) 1,4-Dioxane	6.92	88	6903	380.890	ug/l	97
51) 4-Methyl-2-Pentanone	8.44	43	170880	100.954	ug/l	96
52) Toluene	7.81	92	143043	20.093	ug/l	99
53) t-1,3-Dichloropropene	8.46	75	74155	21.357	ug/l	97
54) cis-1,3-Dichloropropene	7.49	75	92232	20.735	ug/l	92
55) 1,1,2-Trichloroethane	8.66	97	42123	20.833	ug/l	93
56) Ethyl methacrylate	8.79	69	46386	20.883	ug/l	93
57) 1,3-Dichloropropane	9.03	76	65411	20.576	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.48	63	67684	100.139	ug/l	98
59) 2-Hexanone	9.65	43	118716	106.769	ug/l	97
60) Dibromochloromethane	8.89	129	66774	20.348	ug/l	97
61) 1,2-Dibromoethane	9.17	107	48299	20.640	ug/l	99
64) Tetrachloroethene	8.34	164	72199	21.218	ug/l	96
65) Chlorobenzene	9.96	112	157665	21.208	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.09	131	76709	21.907	ug/l	99
67) Ethyl Benzene	10.06	91	278639	21.559	ug/l	96
68) m/p-Xylenes	10.29	106	198625	41.279	ug/l	91
69) o-Xylene	10.84	106	113194	21.056	ug/l	98
70) Styrene	10.92	104	158052	20.338	ug/l	97
71) Bromoform	10.90	173	41580	21.095	ug/l #	94
73) Isopropylbenzene	11.24	105	344805	20.845	ug/l	98
74) N-amyl acetate	11.47	43	75968	19.933	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	51701	19.673	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	36577	19.617	ug/l #	100
77) Bromobenzene	11.60	156	82315	19.906	ug/l	98
78) n-propylbenzene	11.70	91	352350	20.244	ug/l	98
79) 2-Chlorotoluene	11.82	91	216134	20.616	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	293813	21.041	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	20812	24.971	ug/l #	78
82) 4-Chlorotoluene	11.99	91	218181	21.032	ug/l	98
83) tert-Butylbenzene	12.22	119	311567	21.741	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	289143	21.379	ug/l	97
85) sec-Butylbenzene	12.39	105	489380	27.417	ug/l	98
86) p-Isopropyltoluene	12.54	119	349941	21.868	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	156749	21.426	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	146351	21.099	ug/l	98
89) n-Butylbenzene	12.92	91	320847	22.066	ug/l	95
90) Hexachloroethane	12.99	117	86139	21.474	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	147363	20.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9996	18.855	ug/l	94

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

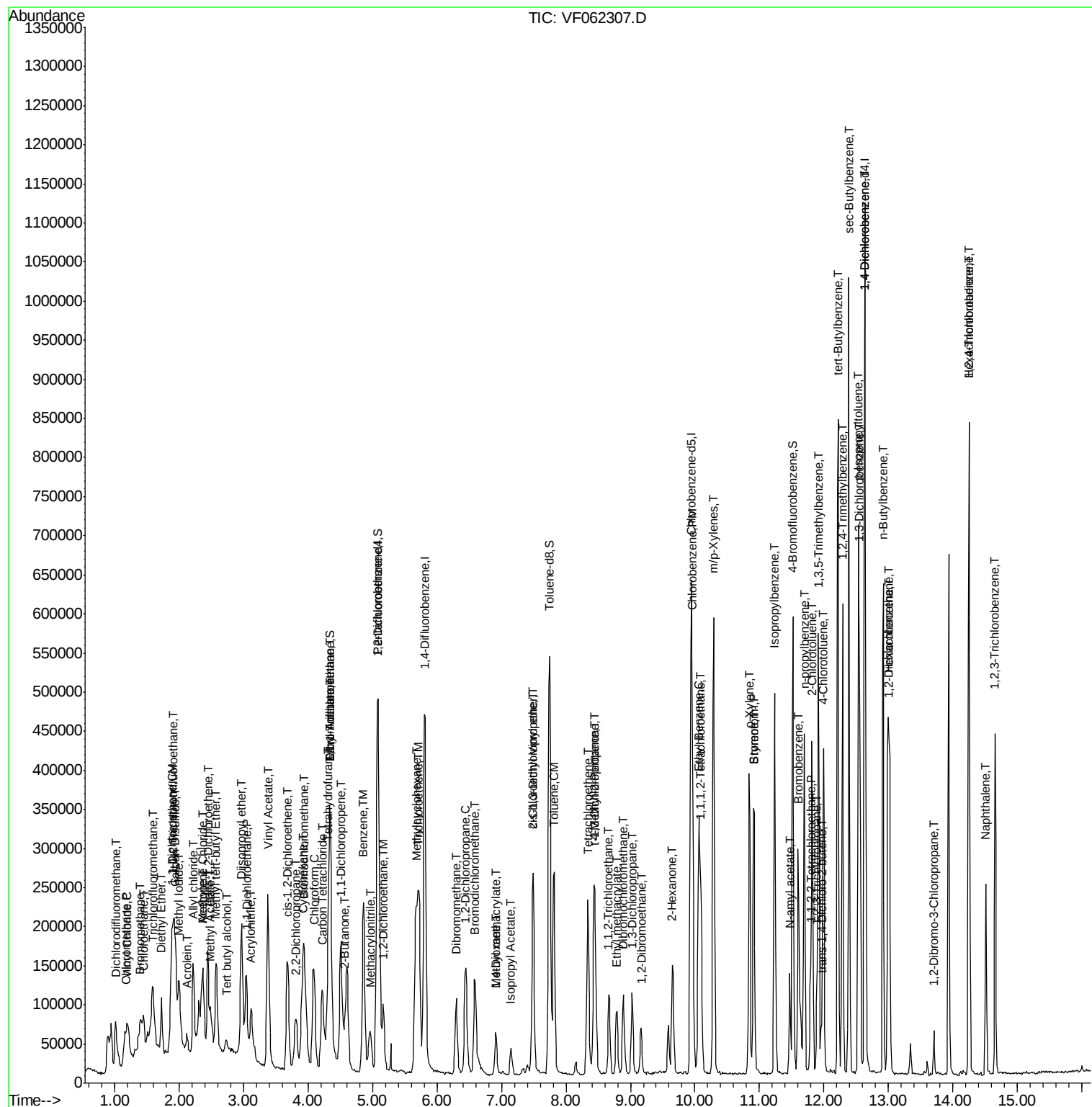
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	134908	21.868	ug/l	99
94) Hexachlorobutadiene	14.25	225	98684	22.242	ug/l	98
95) Naphthalene	14.52	128	192758	20.168	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	128923	22.096	ug/l	99

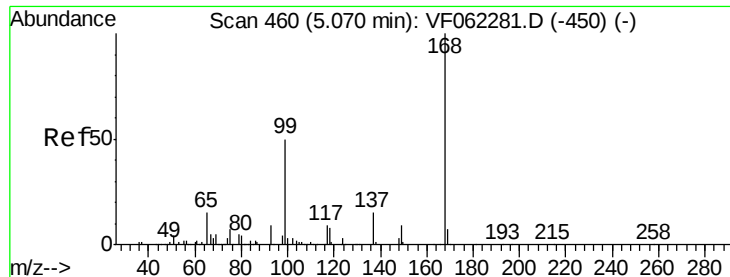
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.09 min Scan# 463

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

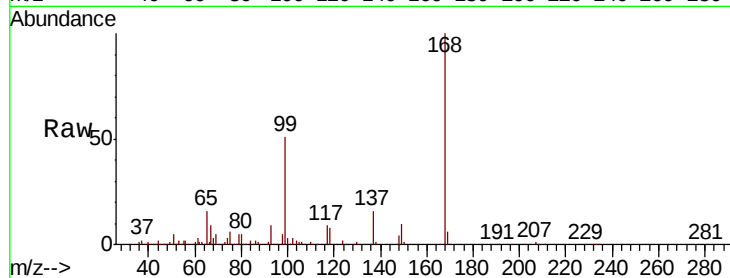
VF0426SBS01

Tot Ion:168 Resp: 408553

Ion Ratio Lower Upper

168 100

99 51.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.09

150000

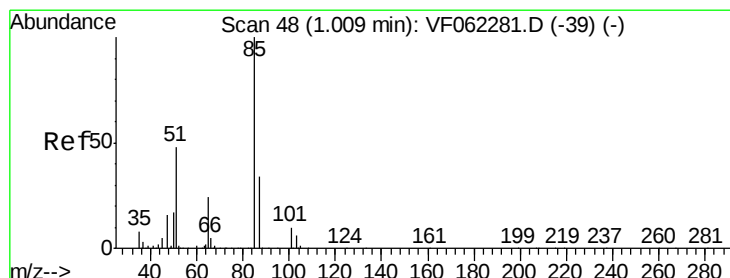
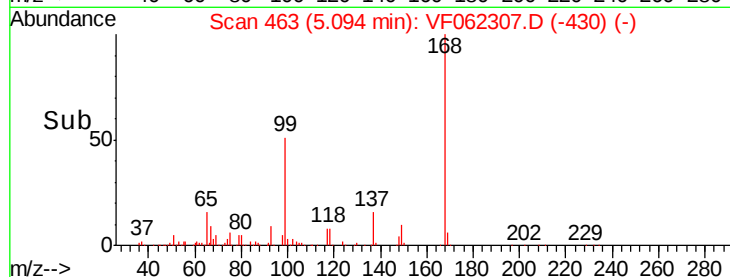
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50000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 22.942 ug/l

RT: 1.01 min Scan# 49

Delta R.T. 0.00 min

Lab File: VF062307.D

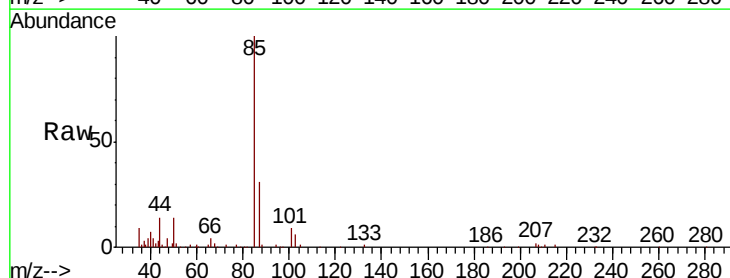
Acq: 26 Apr 2019 16:03

Tgt Ion: 85 Resp: 111389

Ion Ratio Lower Upper

85 100

87 31.0 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

30000

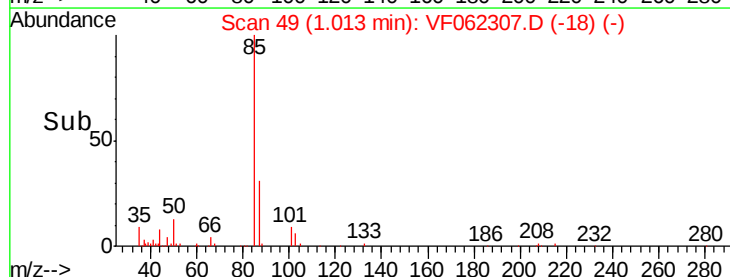
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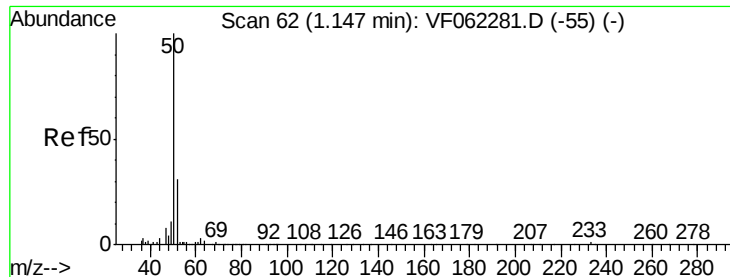
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0

Time-->

0.90 1.00 1.10 1.20 1.30





#3

Chloromethane

Concen: 18.949 ug/l

RT: 1.17 min Scan# 65

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

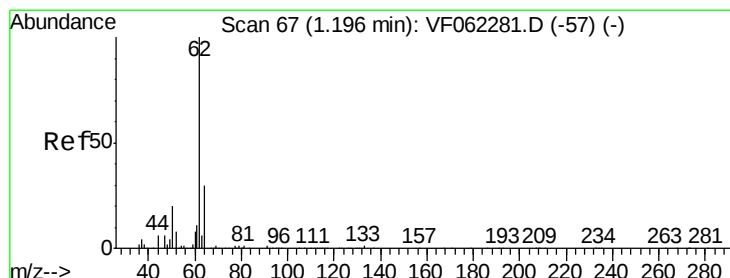
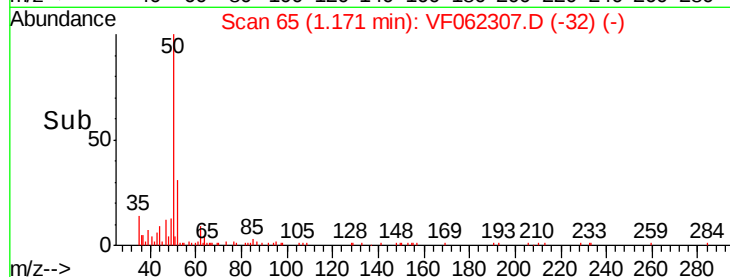
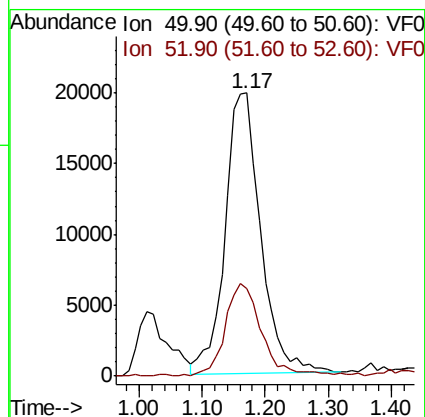
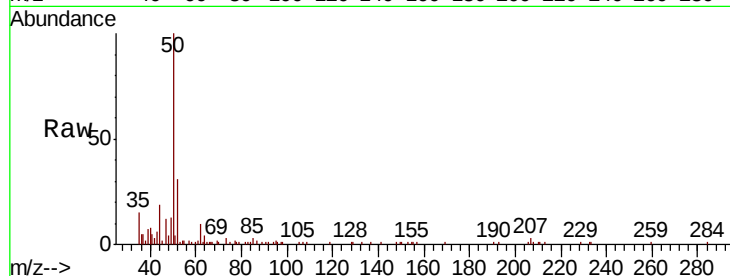
VF0426SBS01

Tot Ion: 50 Resp: 77505

Ion Ratio Lower Upper

50 100

52 31.5 24.2 36.4



#4

Vinyl Chloride

Concen: 19.435 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.00 min

Lab File: VF062307.D

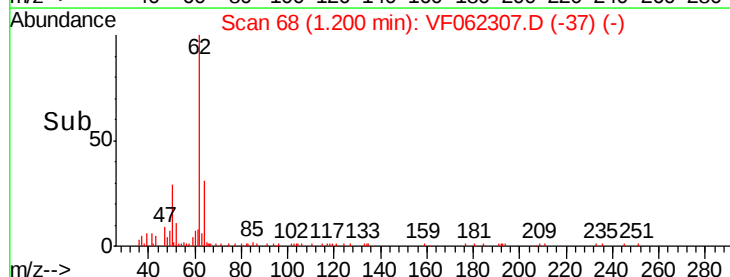
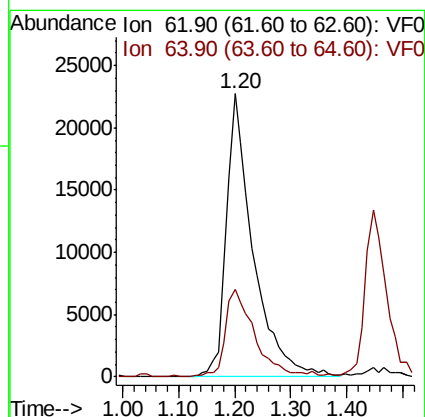
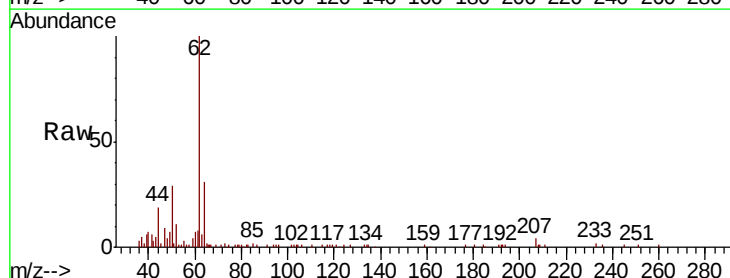
Acq: 26 Apr 2019 16:03

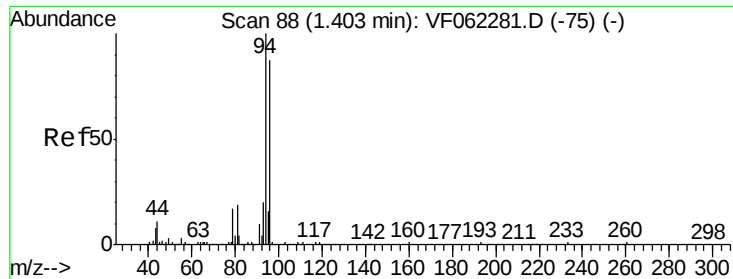
Tgt Ion: 62 Resp: 75286

Ion Ratio Lower Upper

62 100

64 30.9 24.3 36.5





#5

Bromomethane

Concen: 20.264 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.00 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

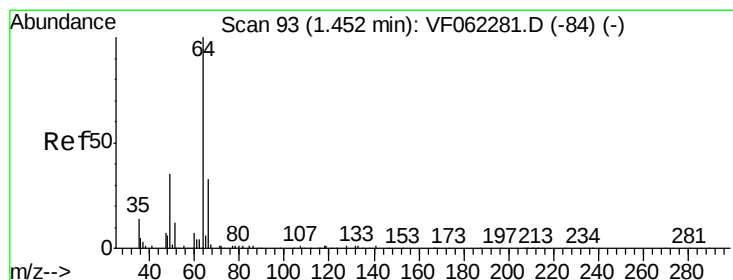
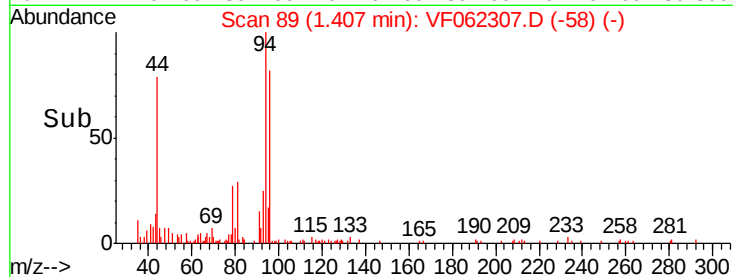
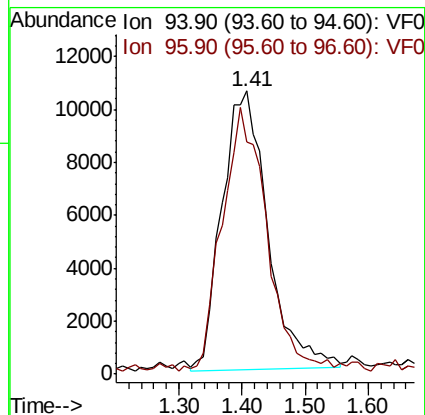
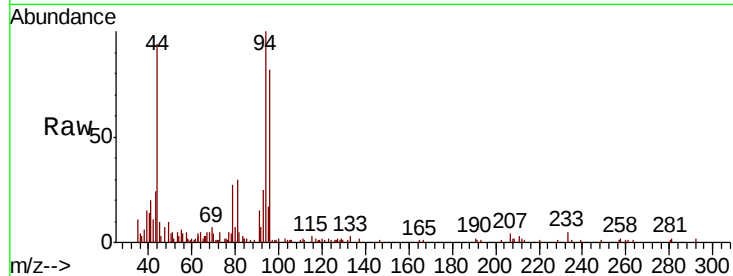
VF0426SBSD01

Tot Ion: 94 Resp: 53307

Ion Ratio Lower Upper

94 100

96 80.7 69.5 104.3



#6

Chloroethane

Concen: 20.005 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.01 min

Lab File: VF062307.D

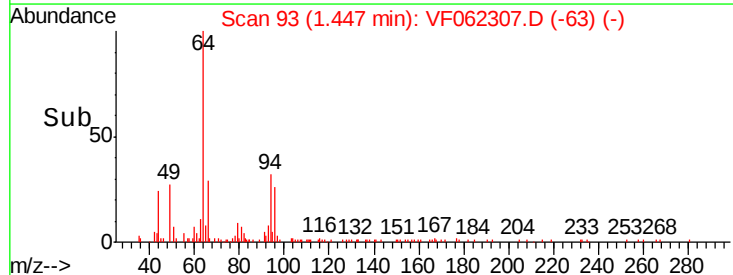
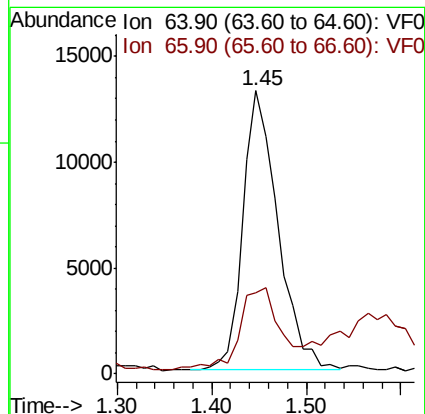
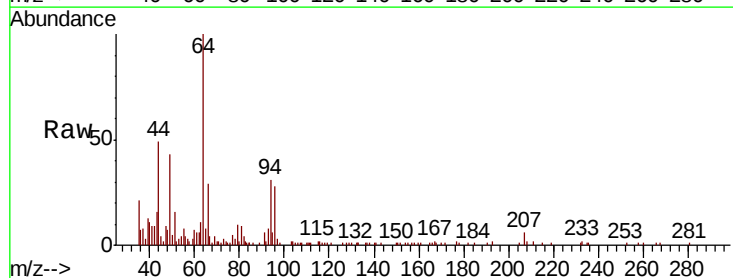
Acq: 26 Apr 2019 16:03

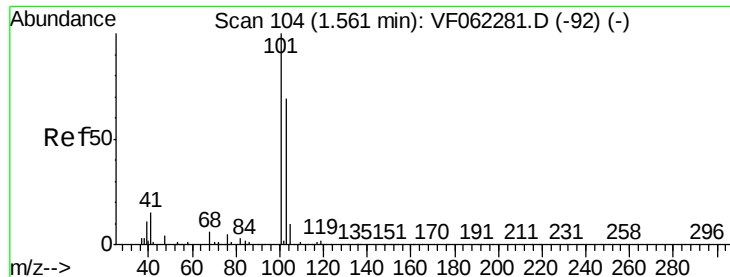
Tgt Ion: 64 Resp: 33970

Ion Ratio Lower Upper

64 100

66 26.4 26.0 39.0



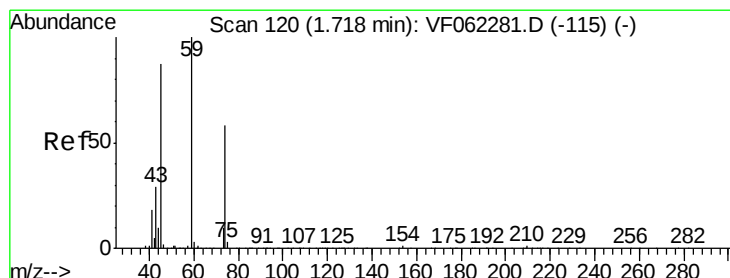
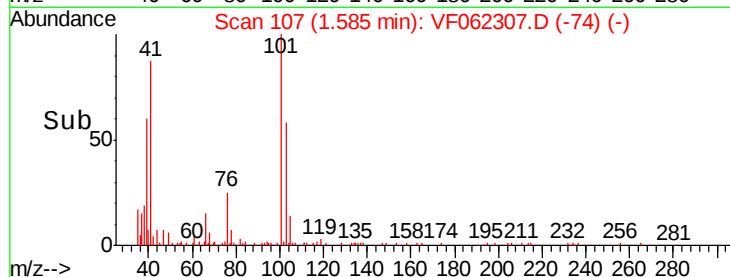
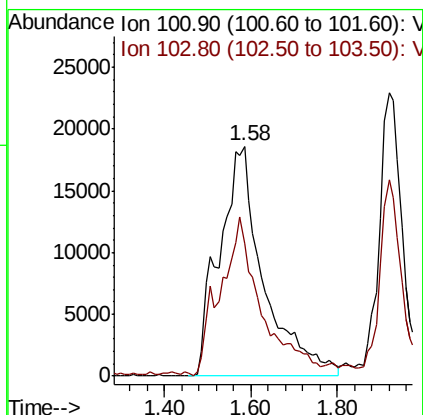
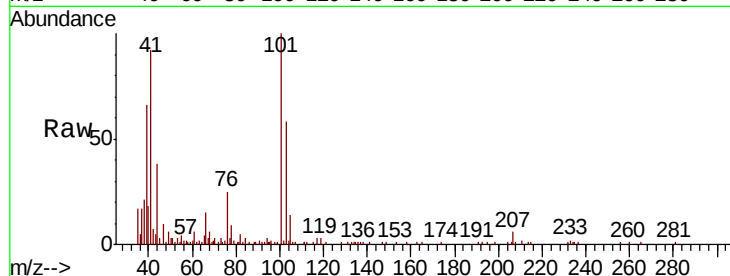


#7

Trichlorofluoromethane
 Concen: 21.558 ug/l
 RT: 1.58 min Scan# 107
 Delta R.T. 0.02 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Instrument :
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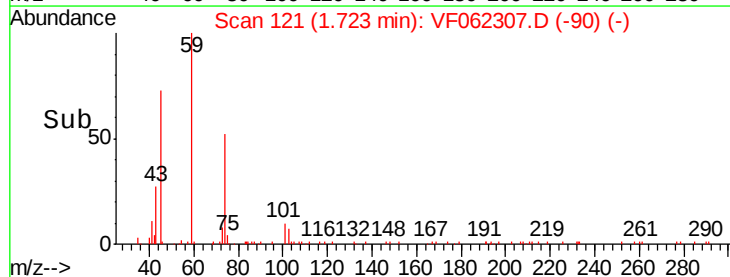
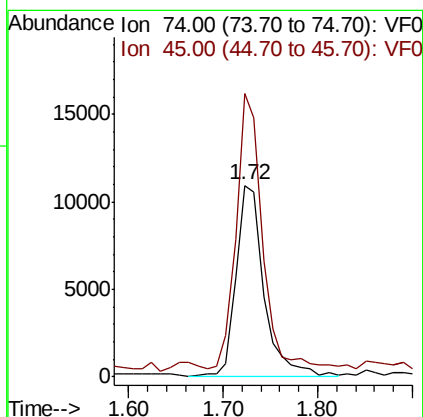
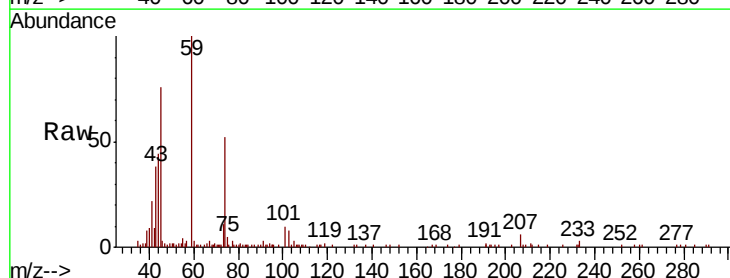
Tot Ion:101 Resp: 132699
 Ion Ratio Lower Upper
 101 100
 103 56.1 55.0 82.6

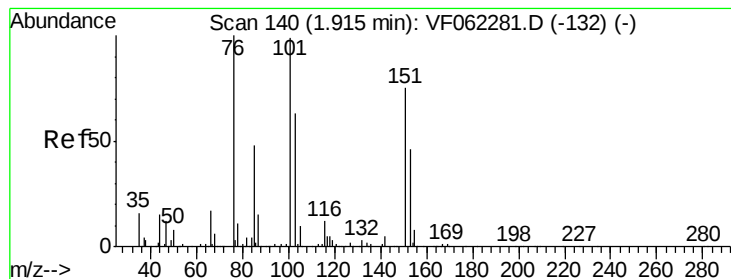


#8

Diethyl Ether
 Concen: 20.377 ug/l
 RT: 1.72 min Scan# 121
 Delta R.T. 0.00 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion: 74 Resp: 22723
 Ion Ratio Lower Upper
 74 100
 45 132.9 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.132 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.00 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

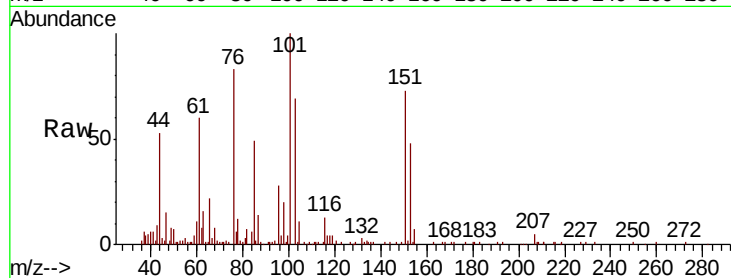
Tot Ion:101 Resp: 81633

Ion Ratio Lower Upper

101 100

85 52.3 36.5 54.7

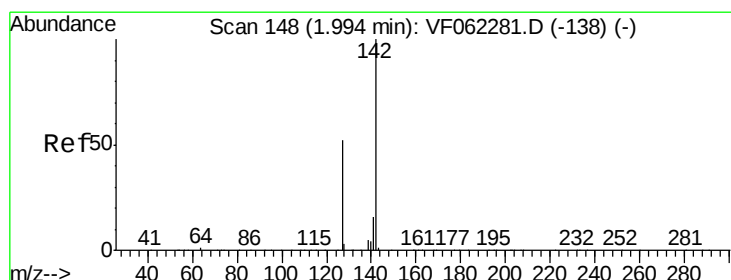
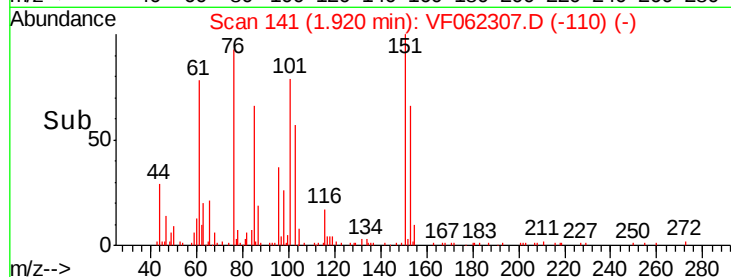
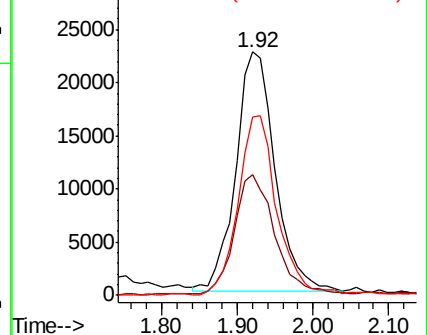
151 73.8 59.2 88.8



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: 20.529 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

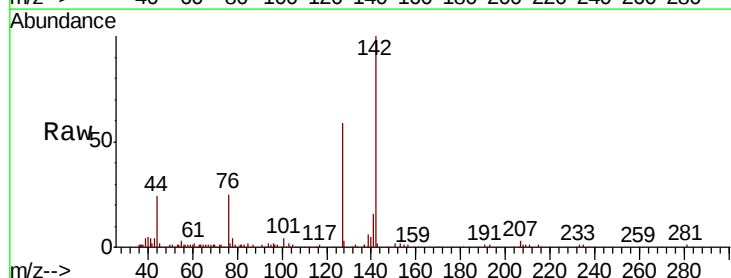
Tgt Ion:142 Resp: 138618

Ion Ratio Lower Upper

142 100

127 58.2 43.0 64.4

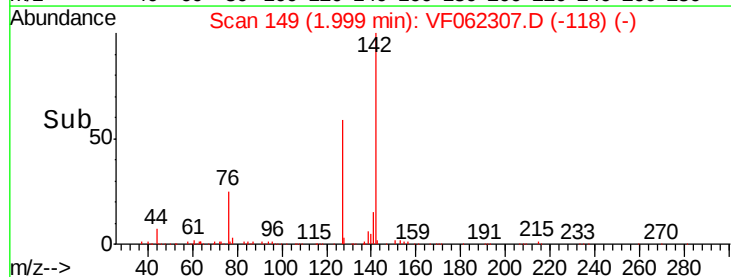
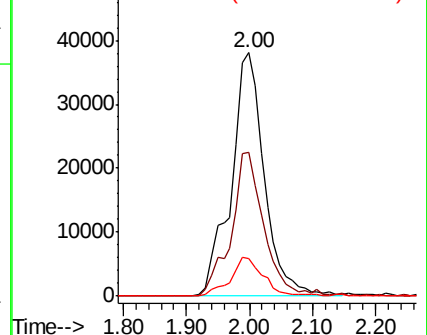
141 15.8 12.3 18.5

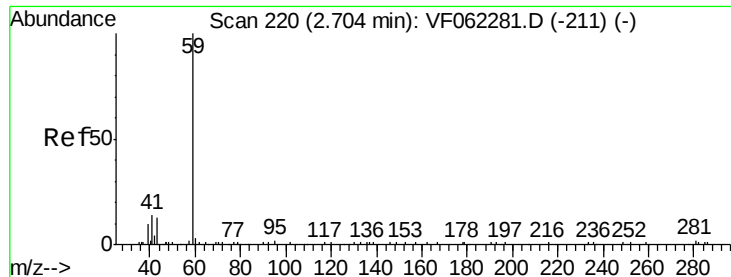


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



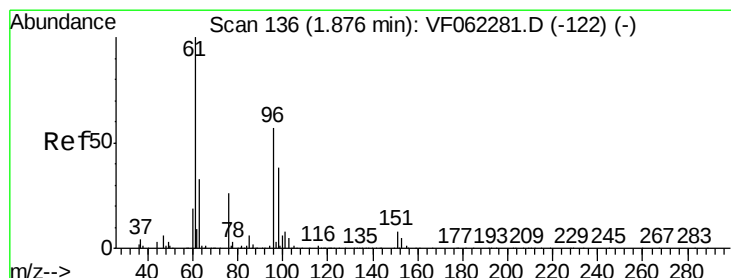
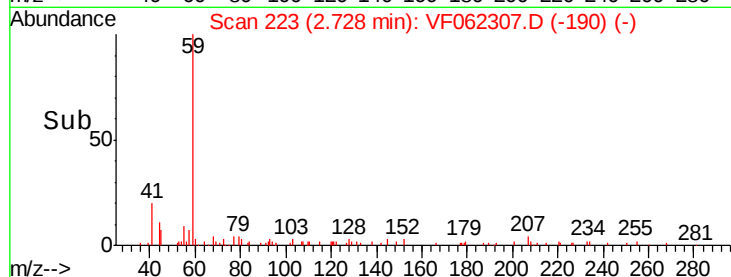
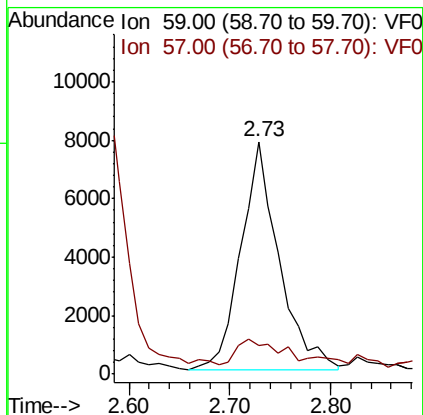
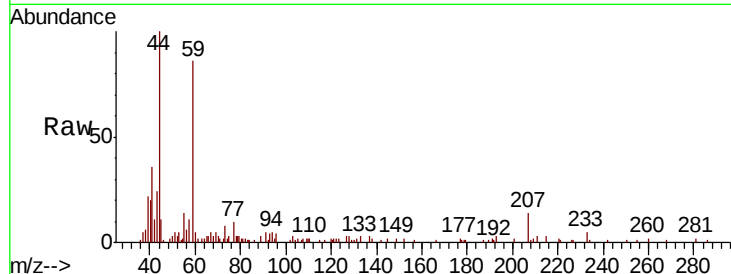


#11

Tert butyl alcohol
 Concen: 102.305 ug/l
 RT: 2.73 min Scan# 223
 Delta R.T. 0.02 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

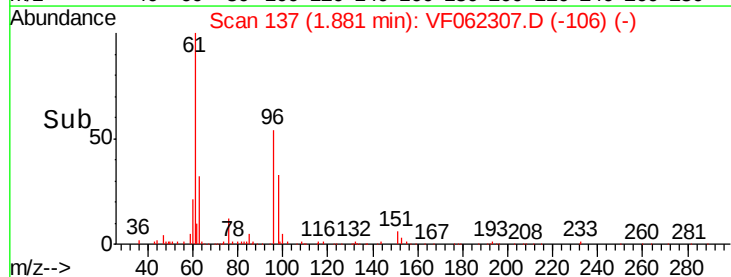
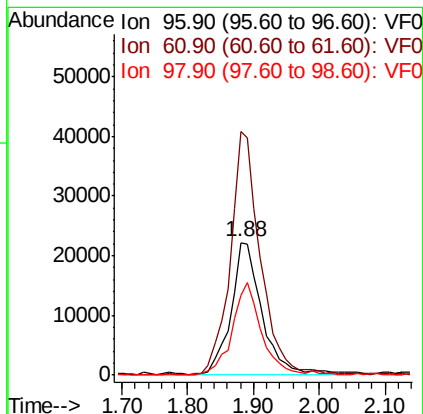
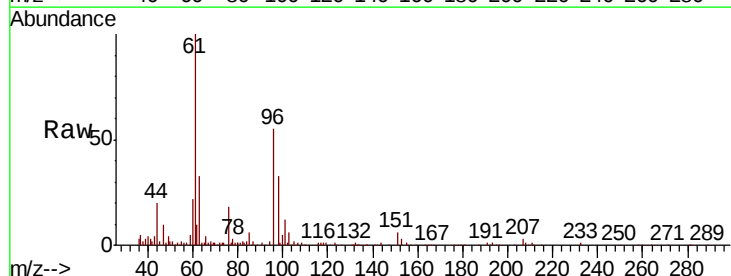
Tot Ion: 59 Resp: 20480
 Ion Ratio Lower Upper
 59 100
 57 13.8 8.8 13.2#

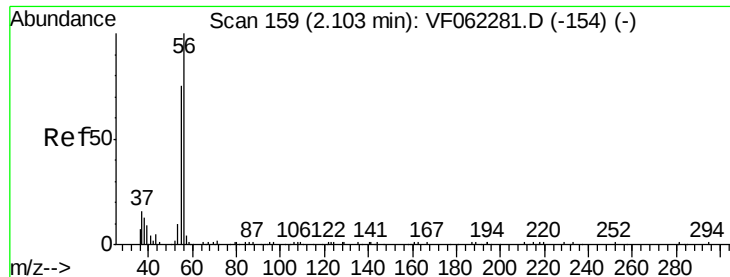


#12

1,1-Dichloroethene
 Concen: 21.013 ug/l
 RT: 1.88 min Scan# 137
 Delta R.T. 0.00 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion: 96 Resp: 72428
 Ion Ratio Lower Upper
 96 100
 61 183.6 141.1 211.7
 98 60.1 53.4 80.0





#13

Acrolein

Concen: 94.319 ug/l

RT: 2.12 min Scan# 161

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

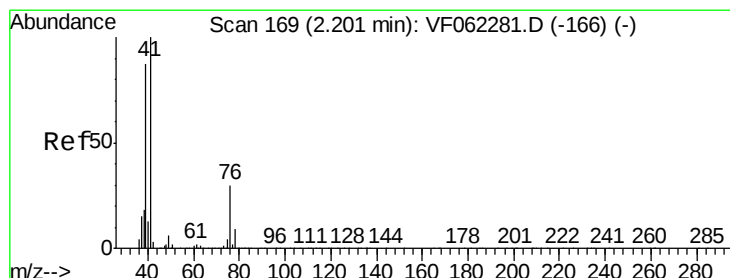
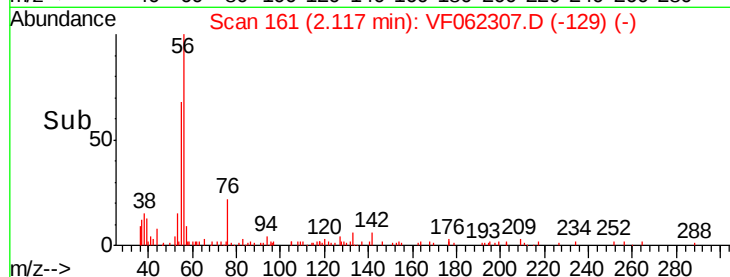
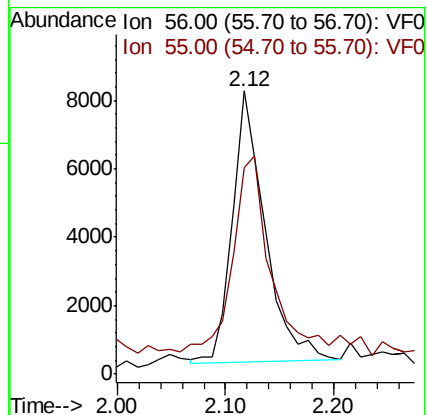
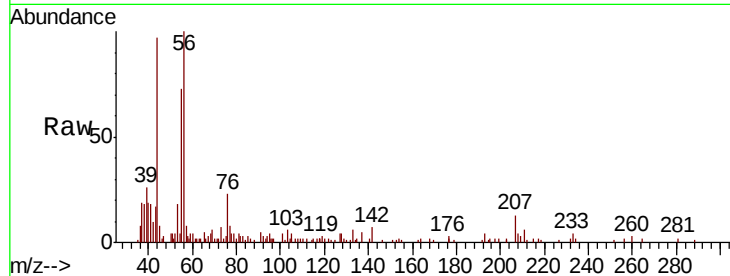
VF0426SBS01

Tot Ion: 56 Resp: 16705

Ion Ratio Lower Upper

56 100

55 80.9 62.3 93.5



#14

Allyl chloride

Concen: 20.673 ug/l

RT: 2.22 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

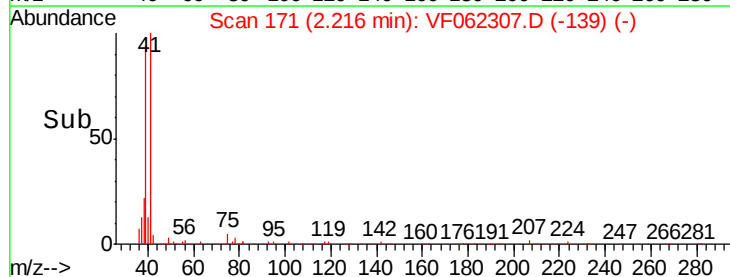
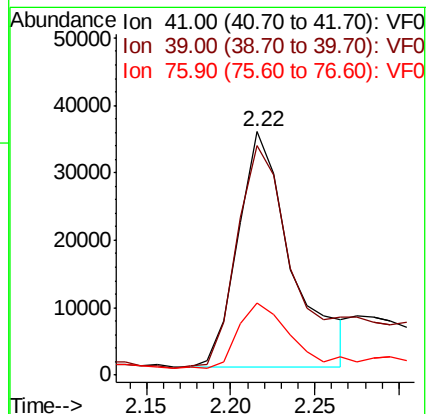
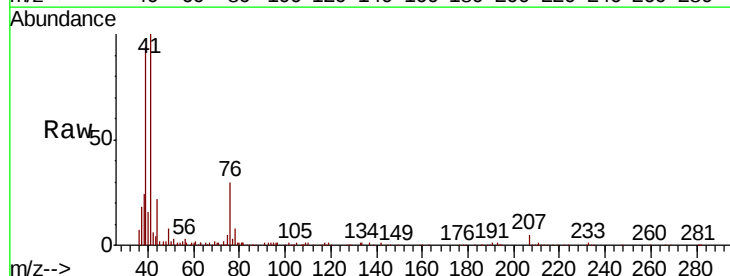
Tgt Ion: 41 Resp: 77548

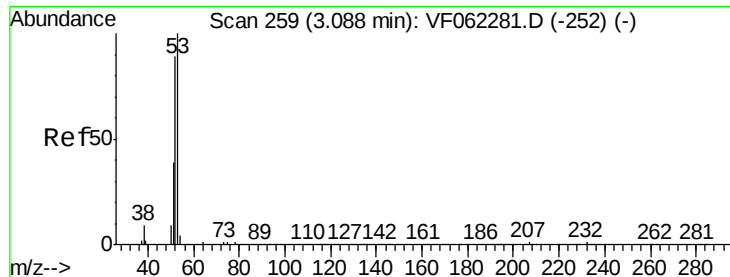
Ion Ratio Lower Upper

41 100

39 146.9 50.3 75.5#

76 27.1 14.8 22.2#





#15

Acrylonitrile

Concen: 94.553 ug/l

RT: 3.11 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

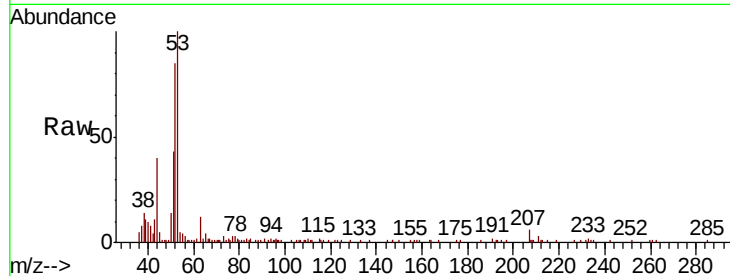
Tot Ion: 53 Resp: 52425

Ion Ratio Lower Upper

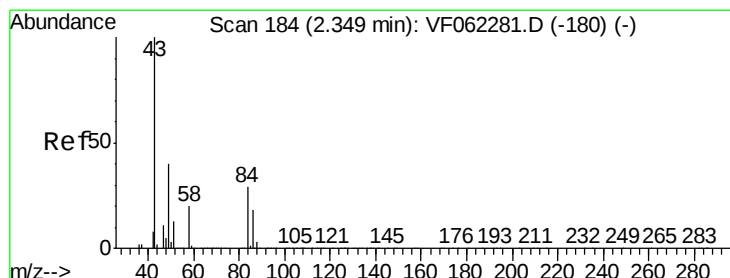
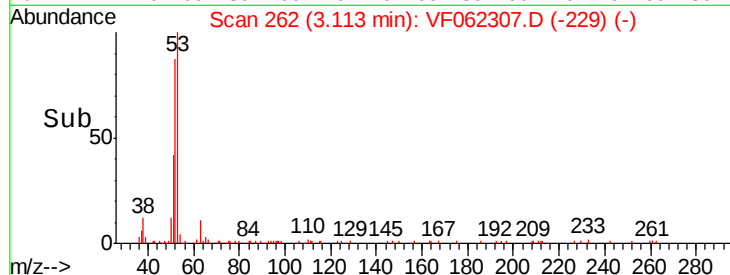
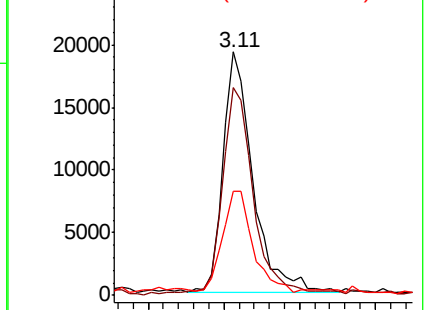
53 100

52 92.2 70.6 105.8

51 41.6 32.6 48.8



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



#16

Acetone

Concen: 114.274 ug/l

RT: 2.37 min Scan# 187

Delta R.T. 0.02 min

Lab File: VF062307.D

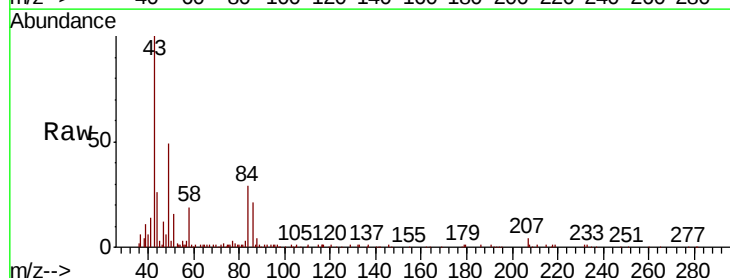
Acq: 26 Apr 2019 16:03

Tgt Ion: 43 Resp: 84671

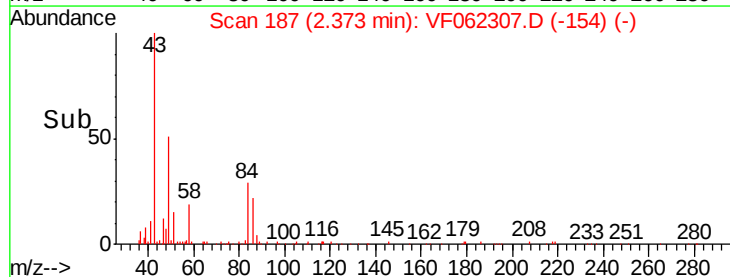
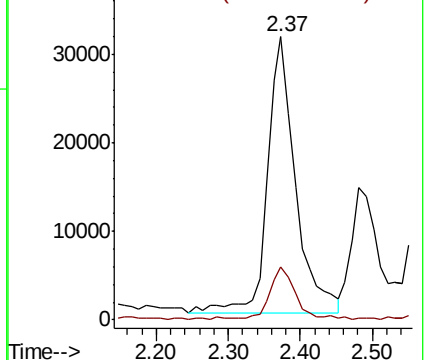
Ion Ratio Lower Upper

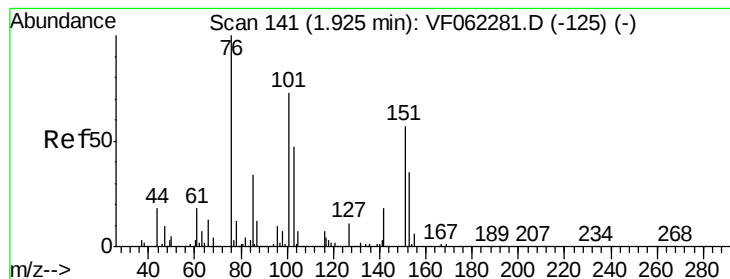
43 100

58 18.9 16.4 24.6



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





#17

Carbon Disulfide

Concen: 18.959 ug/l

RT: 1.94 min Scan# 143

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

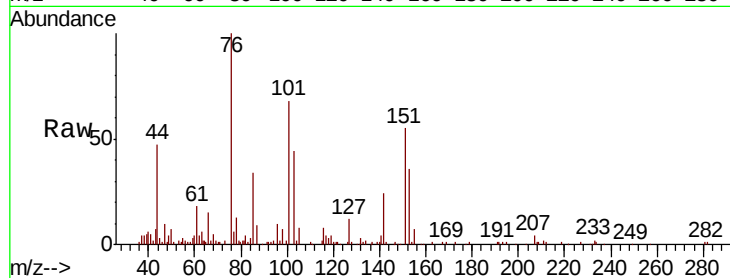
VF0426SBS01

Tot Ion: 76 Resp: 171981

Ion Ratio Lower Upper

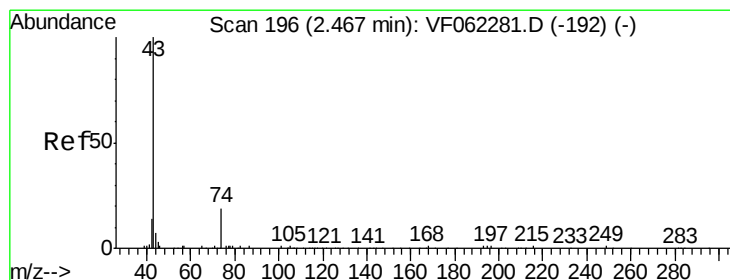
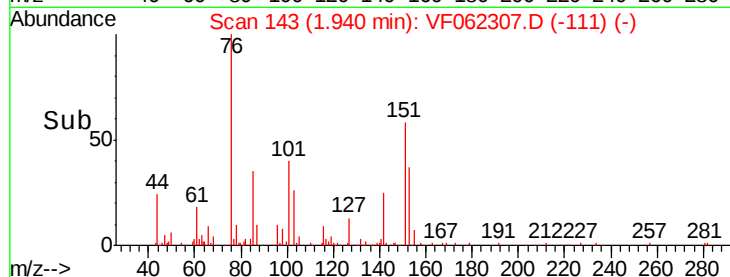
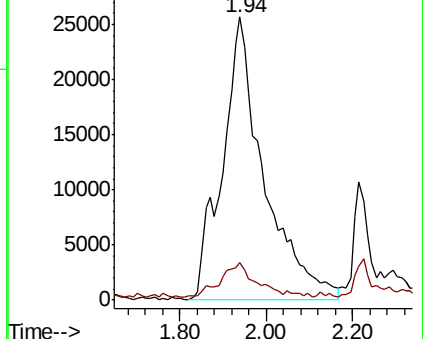
76 100

78 12.0 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: 20.638 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.01 min

Lab File: VF062307.D

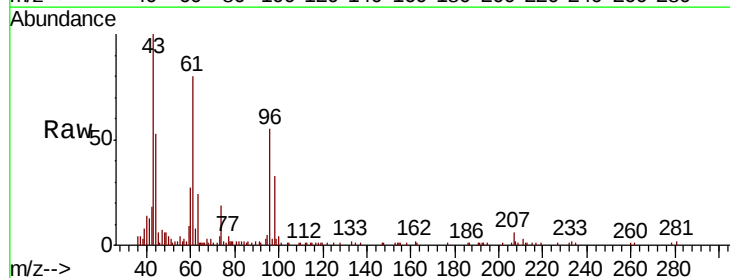
Acq: 26 Apr 2019 16:03

Tgt Ion: 43 Resp: 30856

Ion Ratio Lower Upper

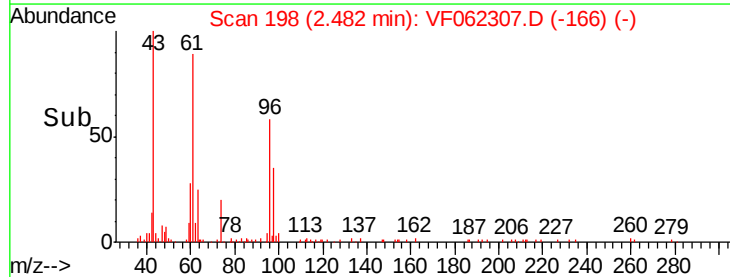
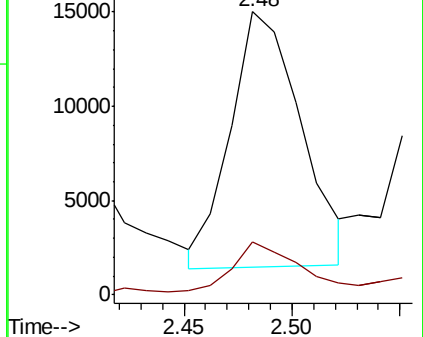
43 100

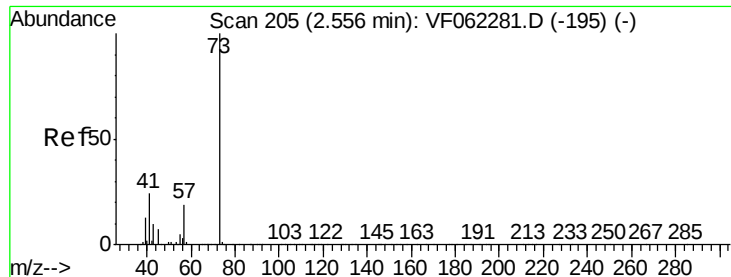
74 20.2 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



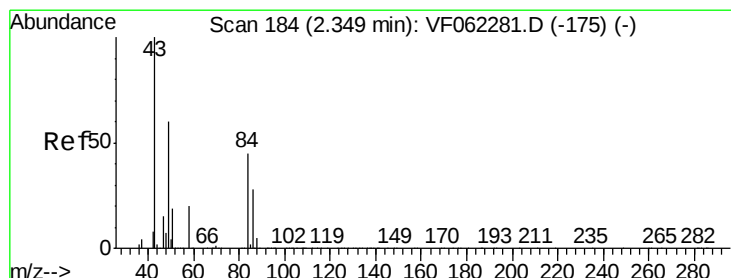
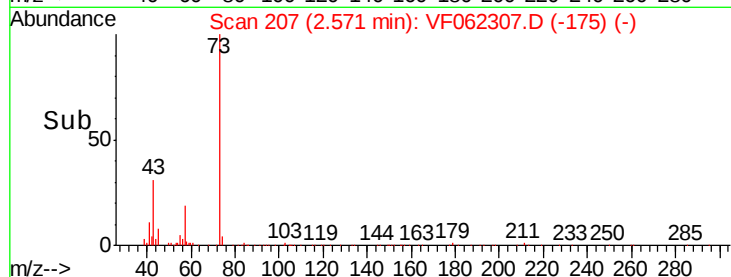
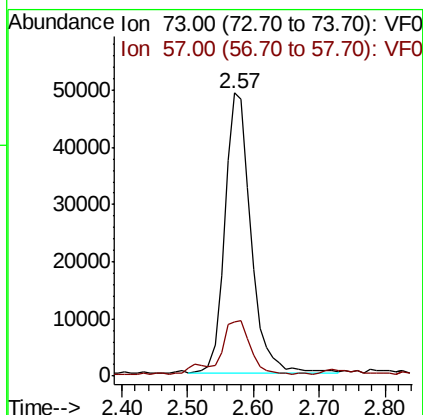
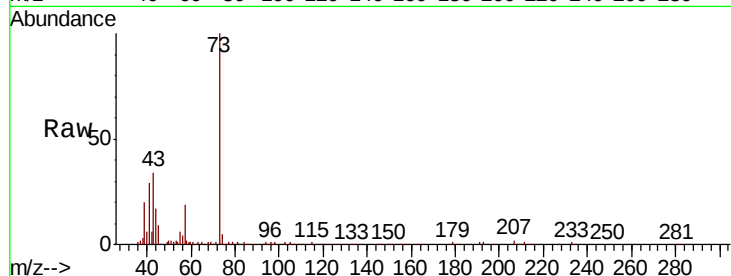


#19

Methyl tert-butyl Ether
 Concen: 20.835 ug/l
 RT: 2.57 min Scan# 207
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

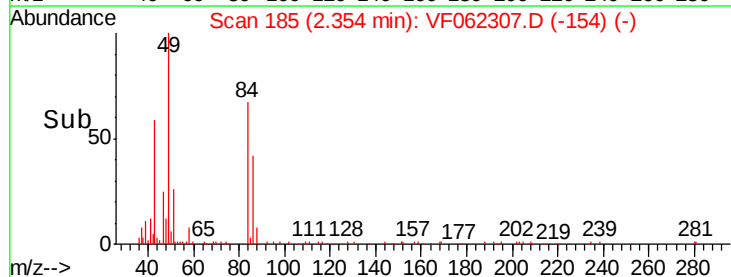
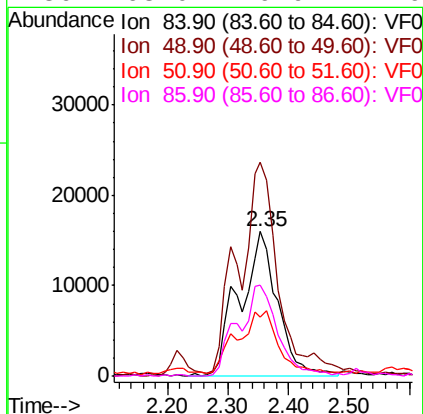
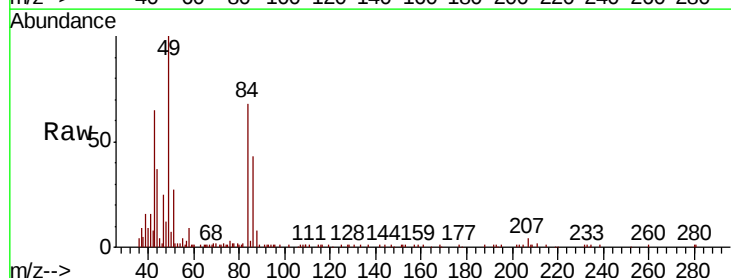
Tot Ion: 73 Resp: 136908
 Ion Ratio Lower Upper
 73 100
 57 17.1 15.5 23.3

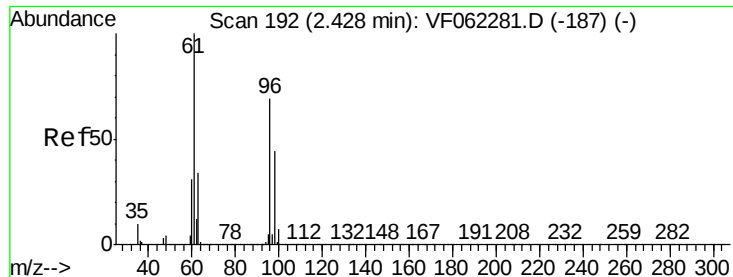


#20

Methylene Chloride
 Concen: 18.859 ug/l
 RT: 2.35 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion: 84 Resp: 70058
 Ion Ratio Lower Upper
 84 100
 49 141.9 112.1 168.1
 51 37.6 35.9 53.9
 86 63.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.251 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

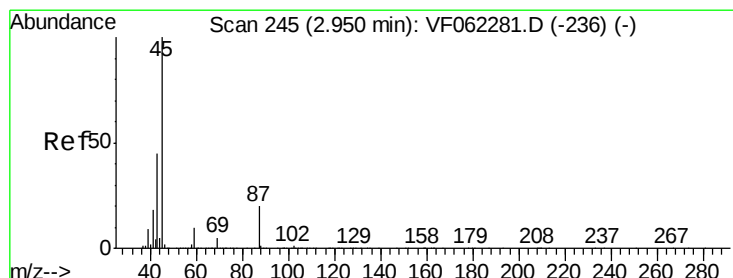
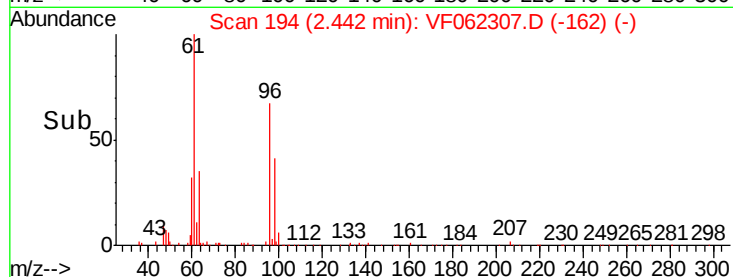
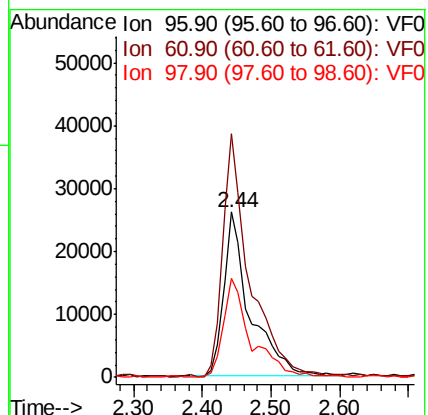
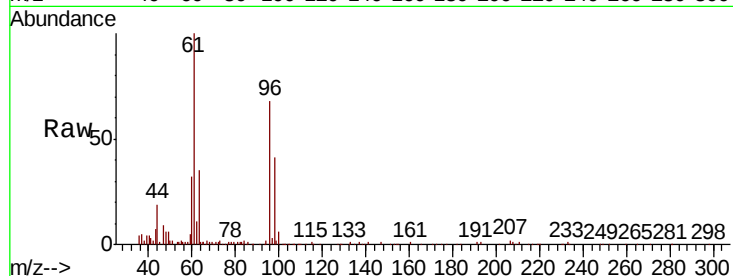
Tot Ion: 96 Resp: 68981

Ion Ratio Lower Upper

96 100

61 147.1 116.2 174.2

98 60.7 51.4 77.0



#22

Diisopropyl ether

Concen: 19.758 ug/l

RT: 2.96 min Scan# 247

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Tgt Ion: 45 Resp: 199525

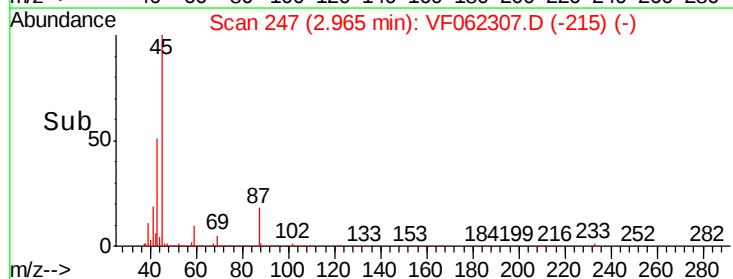
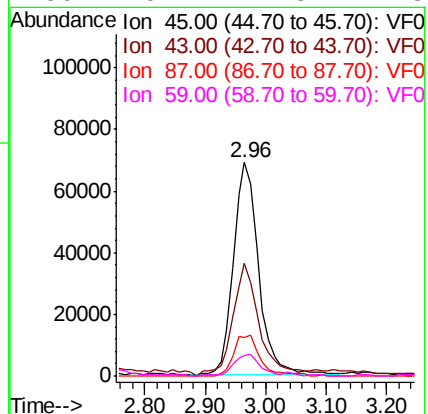
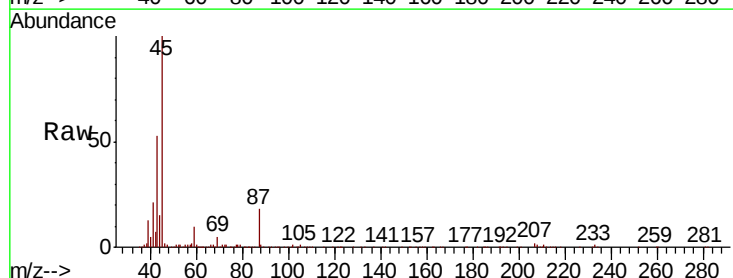
Ion Ratio Lower Upper

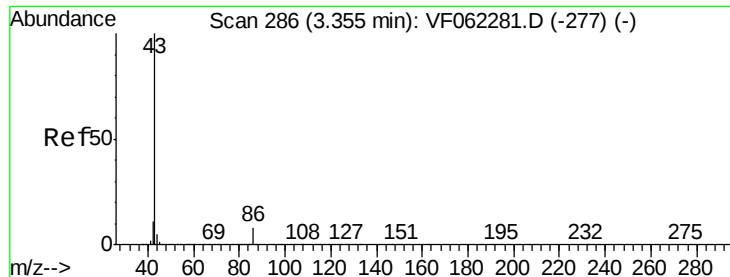
45 100

43 51.2 36.2 54.2

87 18.0 15.8 23.6

59 9.4 7.8 11.8





#23

Vinyl Acetate

Concen: 100.312 ug/l

RT: 3.38 min Scan# 289

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

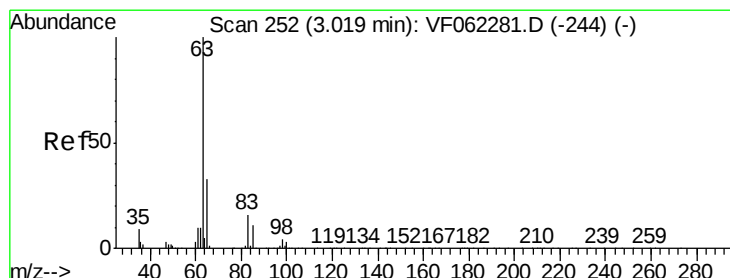
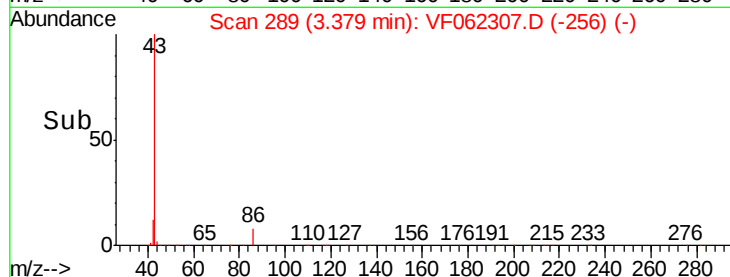
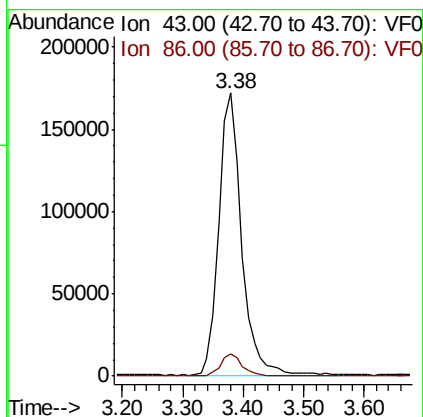
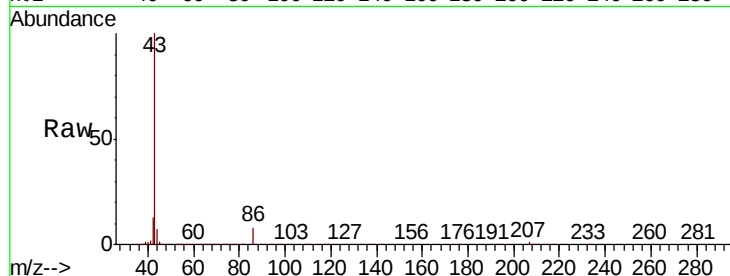
VF0426SBS01

Tot Ion: 43 Resp: 449196

Ion Ratio Lower Upper

43 100

86 7.9 6.0 9.0



#24

1,1-Dichloroethane

Concen: 21.611 ug/l

RT: 3.03 min Scan# 254

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

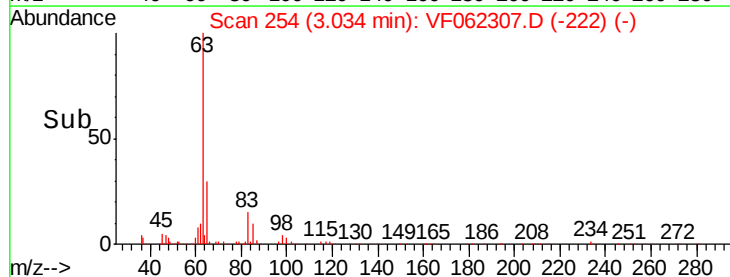
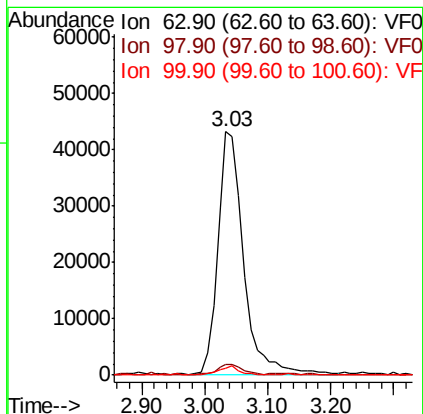
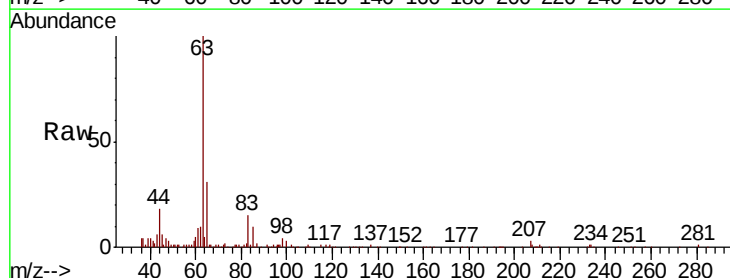
Tgt Ion: 63 Resp: 124559

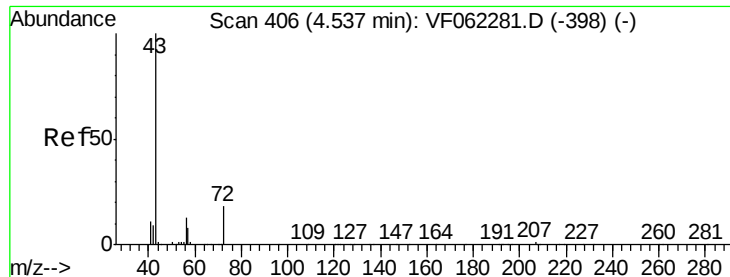
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.2

100 2.8 1.5 4.5

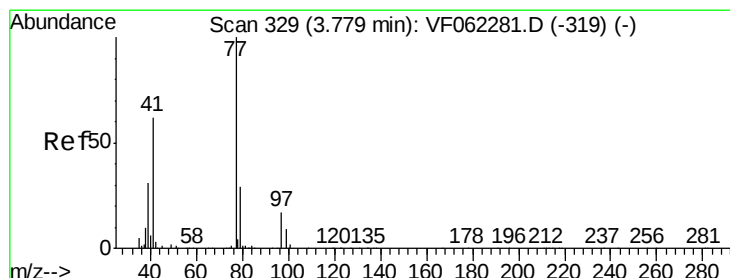
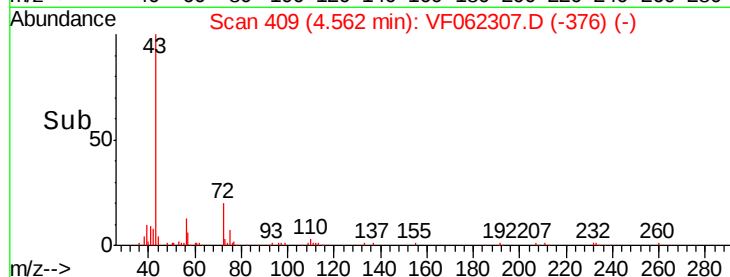
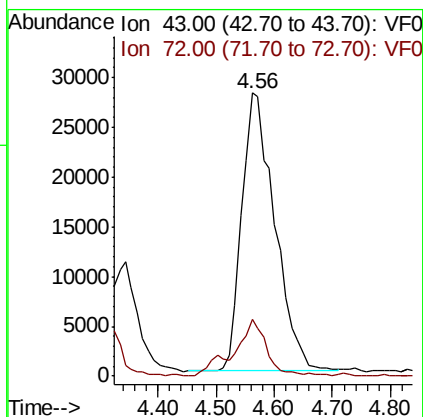
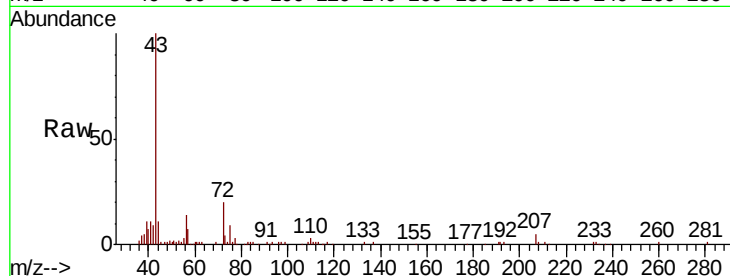




#25
2-Butanone
Concen: 94.767 ug/l
RT: 4.56 min Scan# 409
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

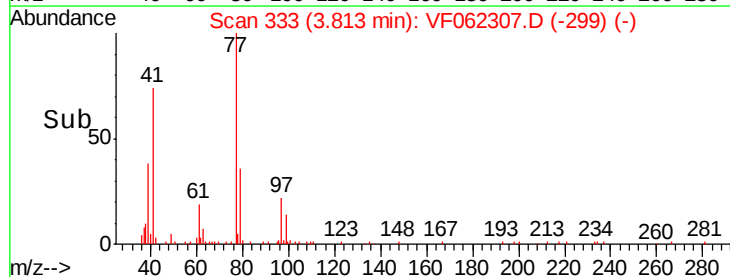
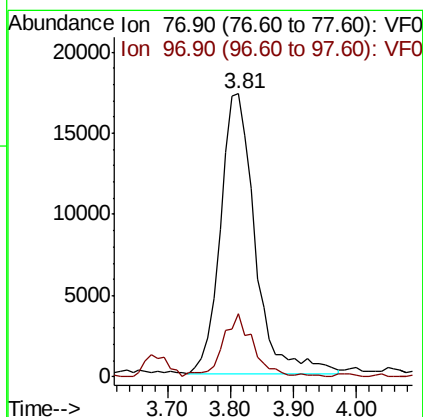
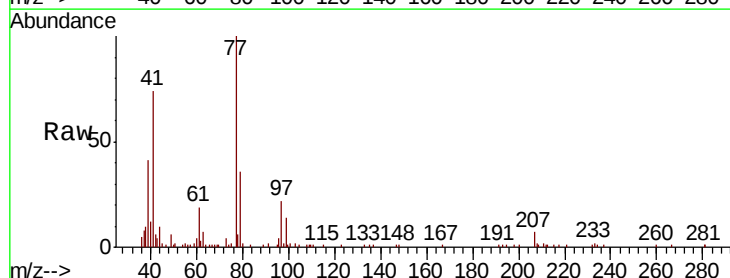
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

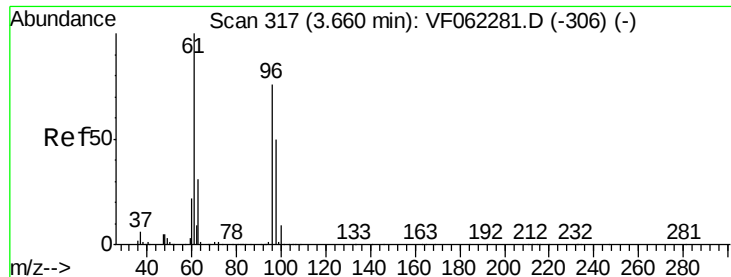
Tot Ion: 43 Resp: 111337
Ion Ratio Lower Upper
43 100
72 20.2 15.8 23.6



#26
2,2-Dichloropropane
Concen: 22.119 ug/l
RT: 3.81 min Scan# 333
Delta R.T. 0.03 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion: 77 Resp: 66204
Ion Ratio Lower Upper
77 100
97 19.7 10.3 30.8



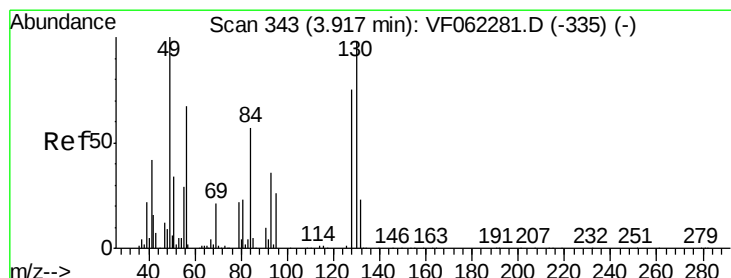
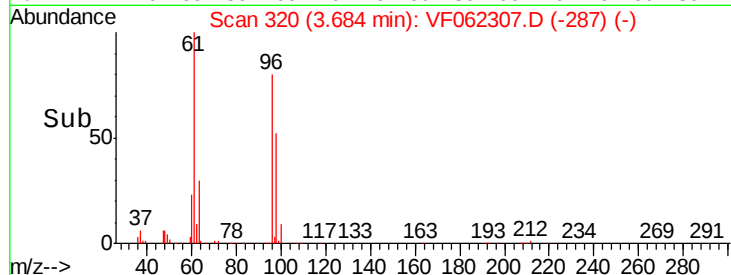
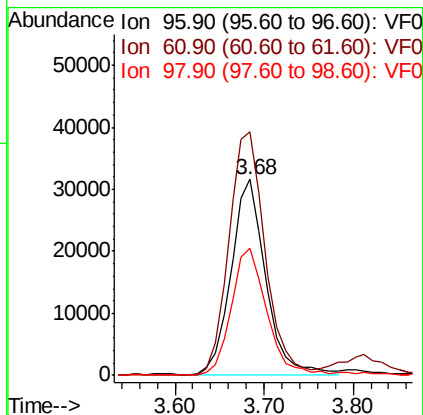
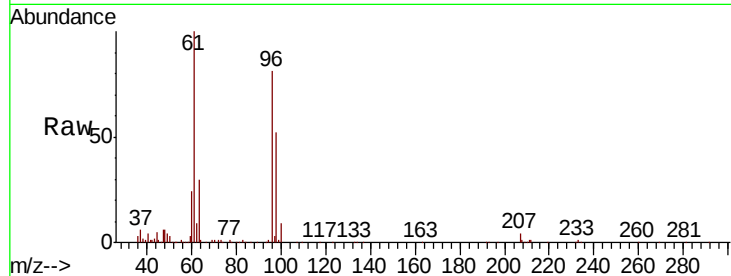


#27

cis-1,2-Dichloroethene
 Concen: 19.699 ug/l
 RT: 3.68 min Scan# 320
 Delta R.T. 0.02 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

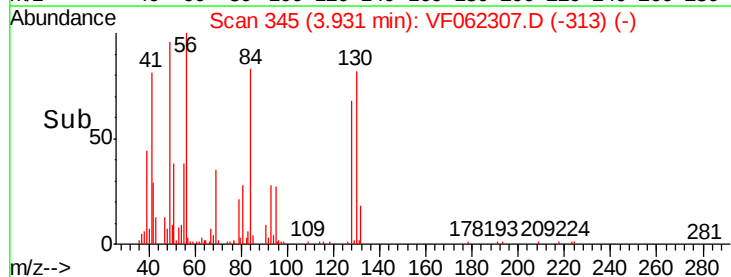
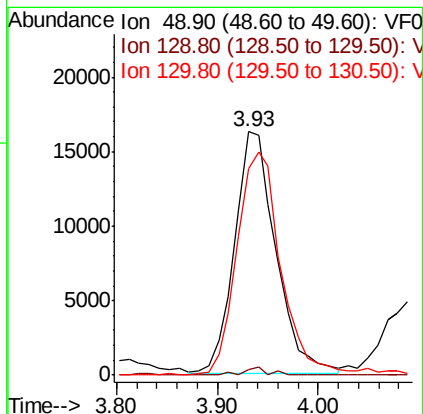
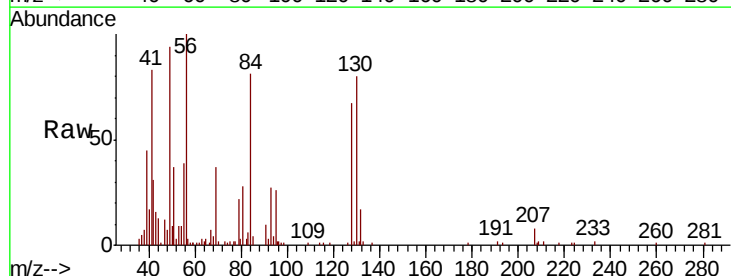
Tot Ion	96	Resp	84975
Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	257.6
98	67.0	0.0	137.4

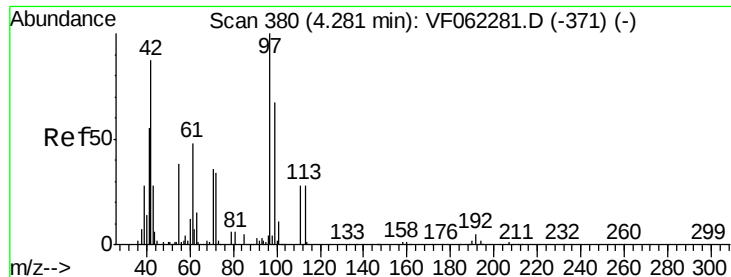


#28

Bromochloromethane
 Concen: 19.094 ug/l
 RT: 3.93 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion	49	Resp	46377
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	0.0#
130	97.7	77.0	115.4





#29

Tetrahydrofuran

Concen: 90.981 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

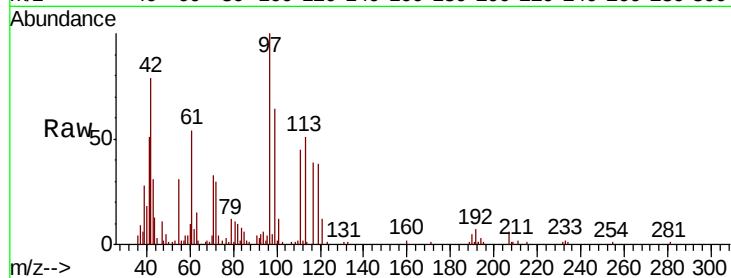
Tot Ion: 42 Resp: 46967

Ion Ratio Lower Upper

42 100

72 39.9 29.3 43.9

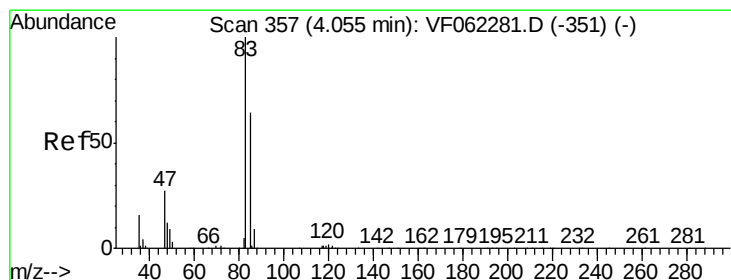
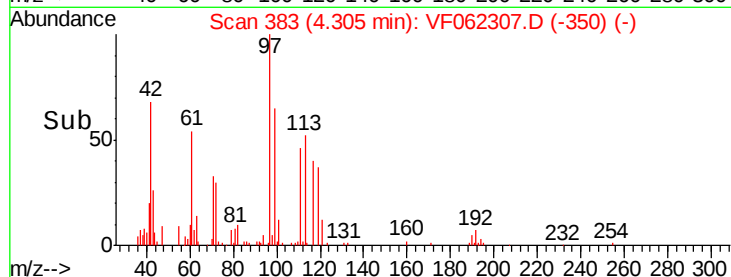
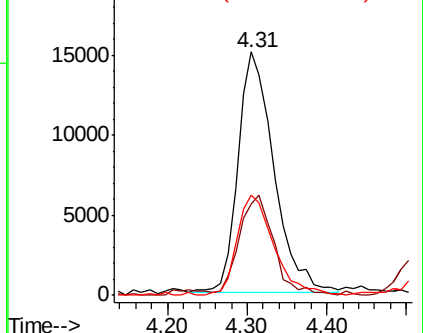
71 42.8 31.2 46.8



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.900 ug/l

RT: 4.09 min Scan# 361

Delta R.T. 0.03 min

Lab File: VF062307.D

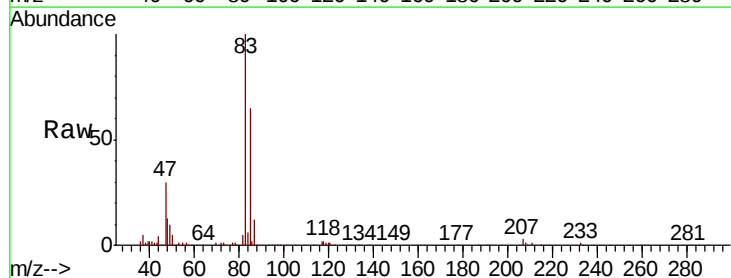
Acq: 26 Apr 2019 16:03

Tgt Ion: 83 Resp: 158503

Ion Ratio Lower Upper

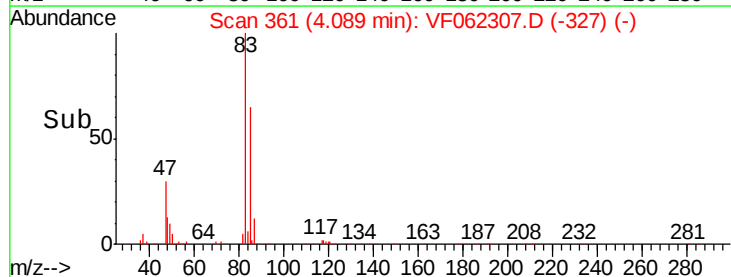
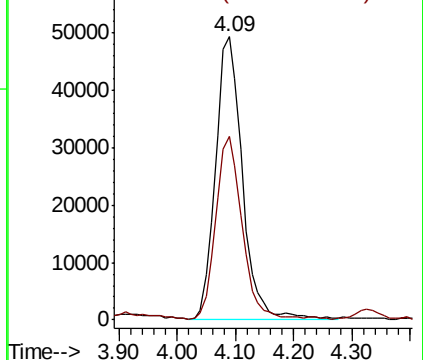
83 100

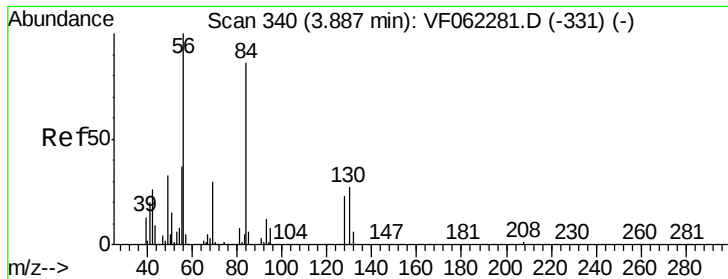
85 64.2 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0





#31

Cvclohexane

Concen: 19.805 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

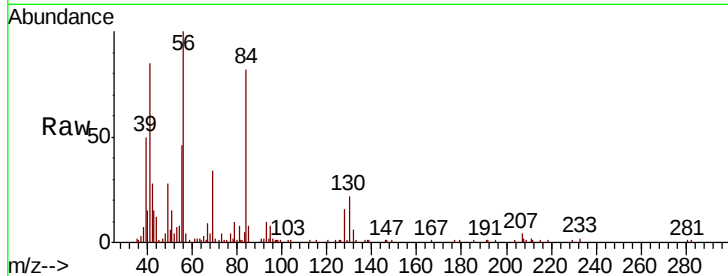
Tot Ion: 56 Resp: 108615

Ion Ratio Lower Upper

56 100

69 32.5 24.3 36.5

84 81.6 68.5 102.7

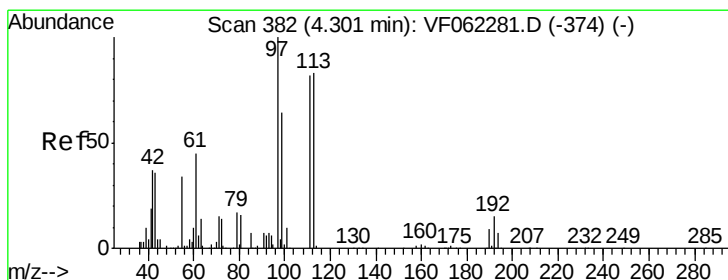
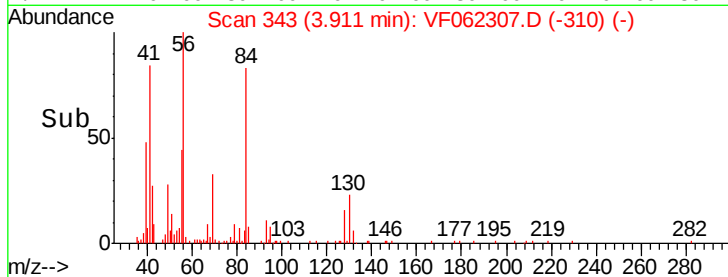
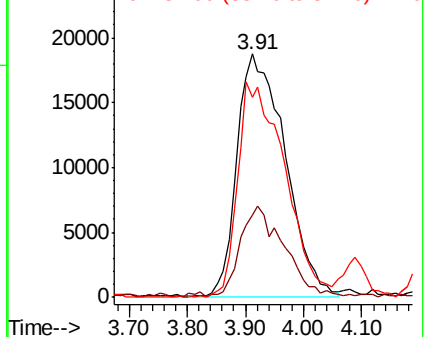


Abundance

Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 23.170 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

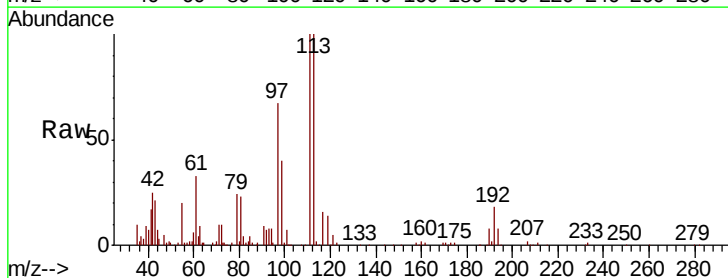
Tgt Ion: 97 Resp: 131661

Ion Ratio Lower Upper

97 100

99 63.2 41.6 62.4#

61 47.4 31.6 47.4#

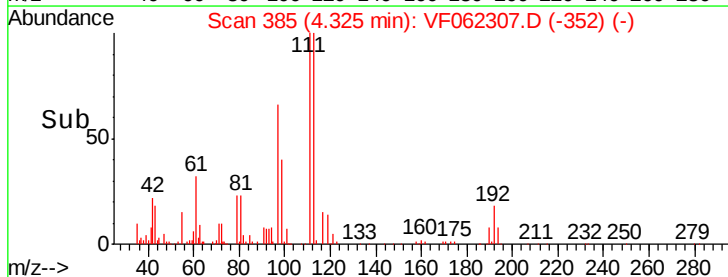
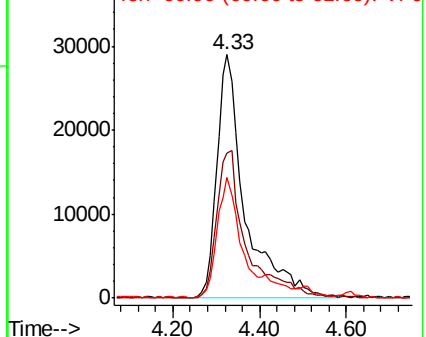


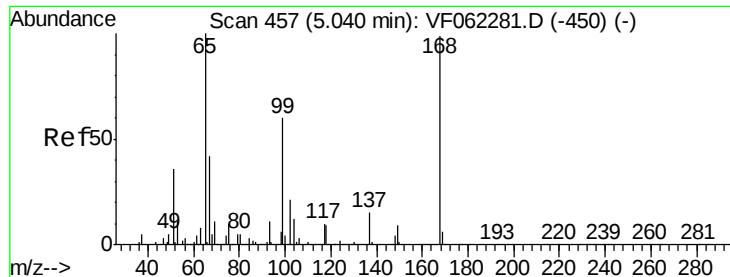
Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 53.242 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

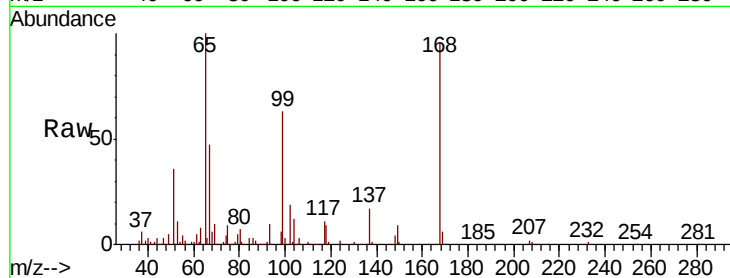
VF0426SBS01

Tot Ion: 65 Resp: 176194

Ion Ratio Lower Upper

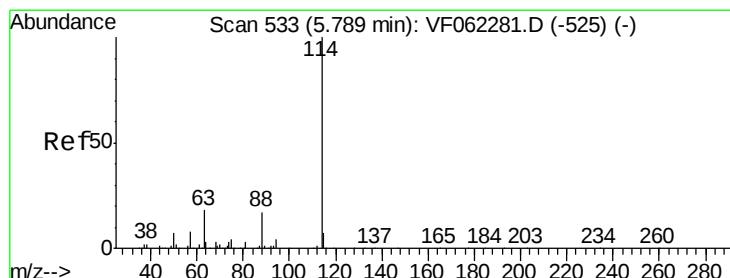
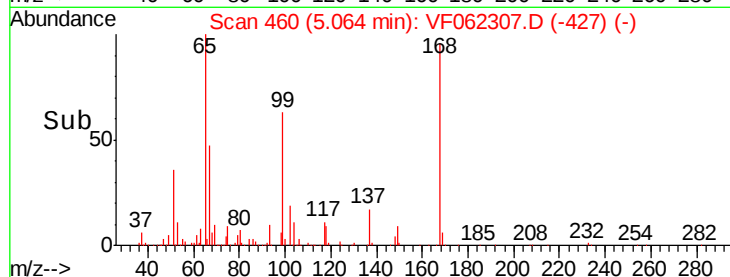
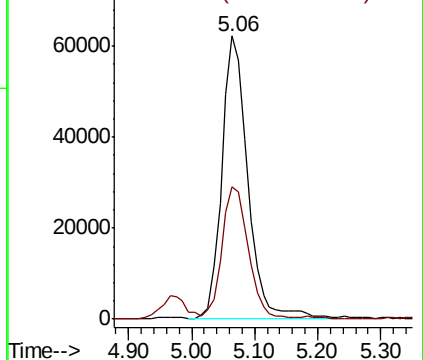
65 100

67 47.7 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: 5.81 min Scan# 536

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

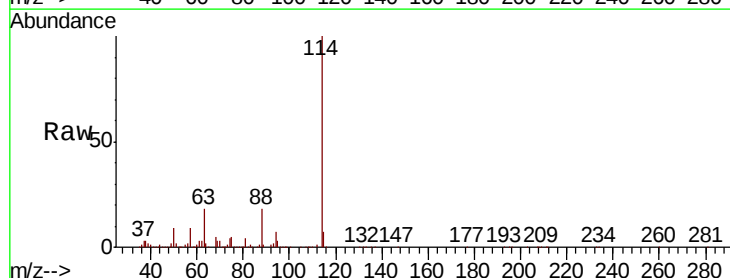
Tgt Ion: 114 Resp: 553488

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

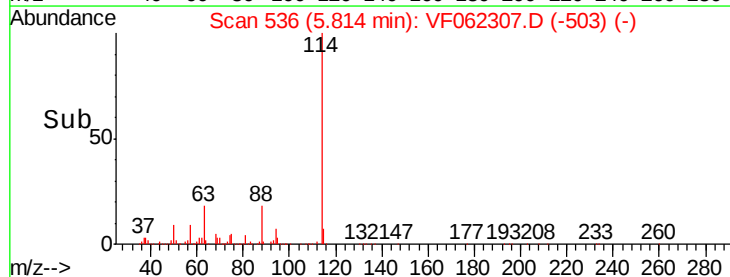
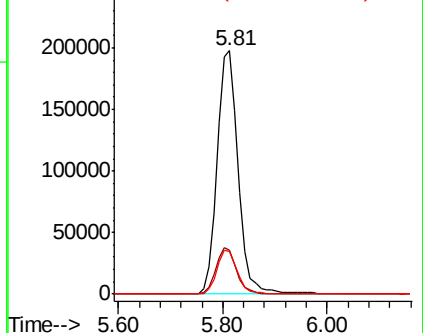
88 17.6 0.0 34.6

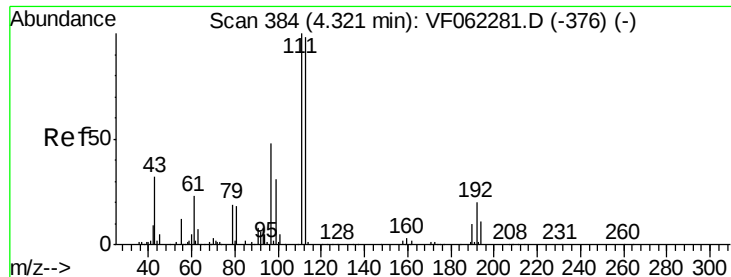


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

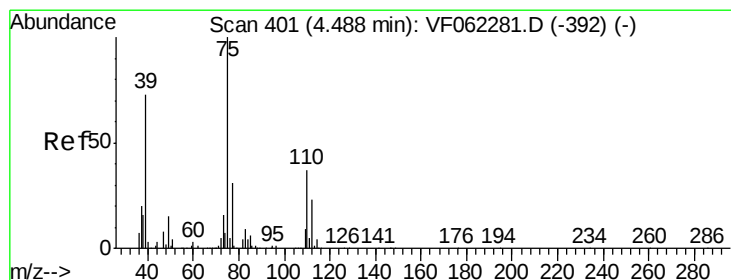
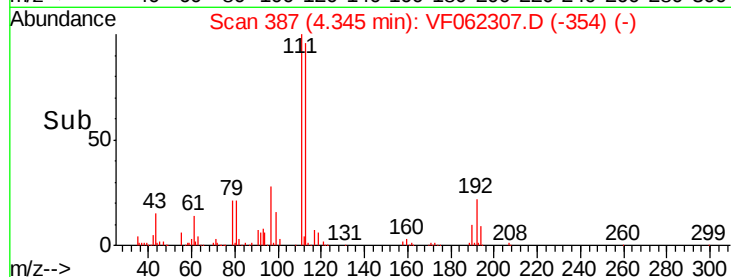
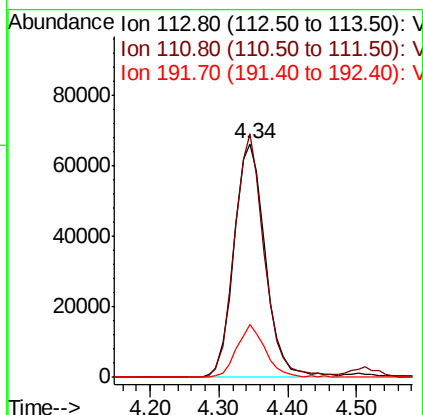
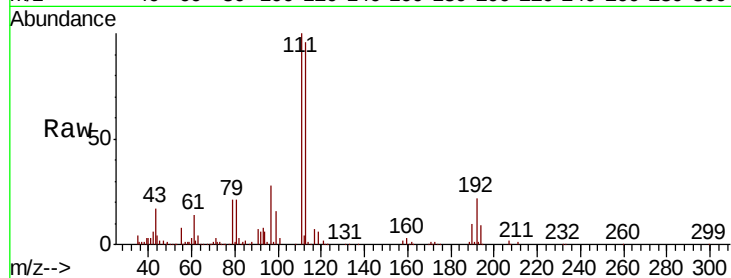




#35
 Dibromofluoromethane
 Concen: 50.874 ug/l
 RT: 4.34 min Scan# 387
 Delta R.T. 0.02 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

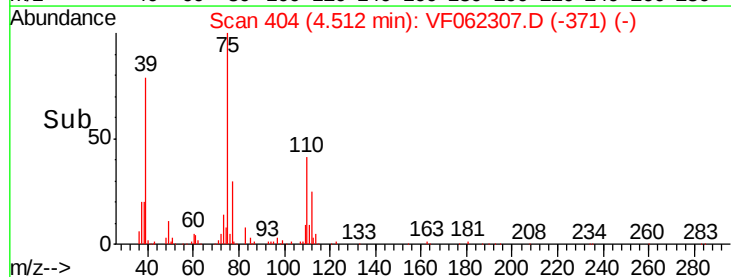
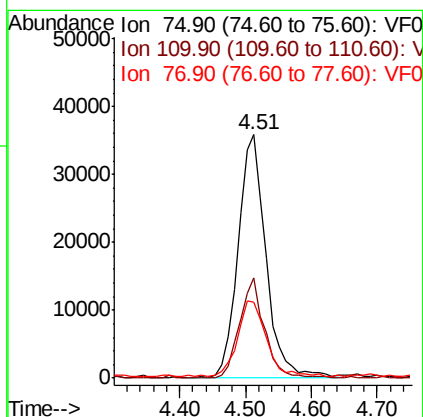
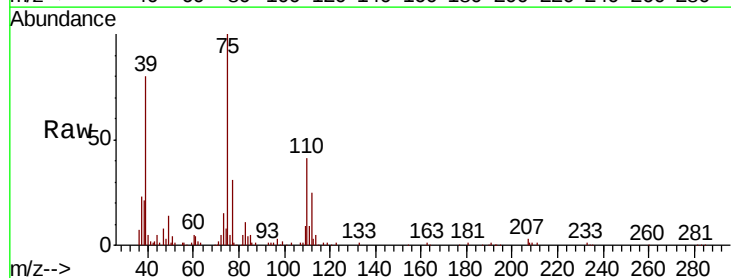
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

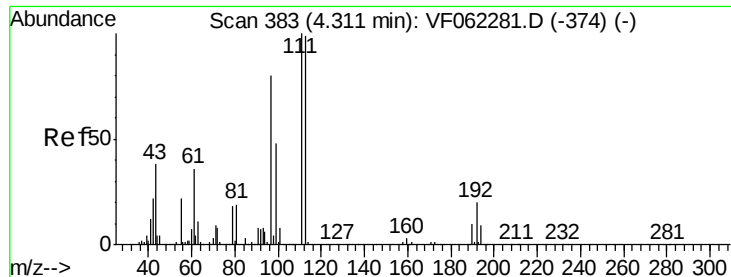
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.4	81.4	122.2
192	20.8	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 21.013 ug/l
 RT: 4.51 min Scan# 404
 Delta R.T. 0.02 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.9	53.8
77	32.0	24.6	36.8





#37

Ethyl Acetate

Concen: 21.616 ug/l

RT: 4.34 min Scan# 387

Delta R.T. 0.03 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

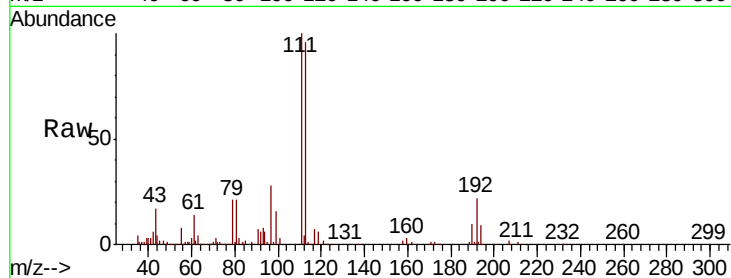
Tot Ion: 43 Resp: 46437

Ion Ratio Lower Upper

43 100

61 134.5 85.8 128.6#

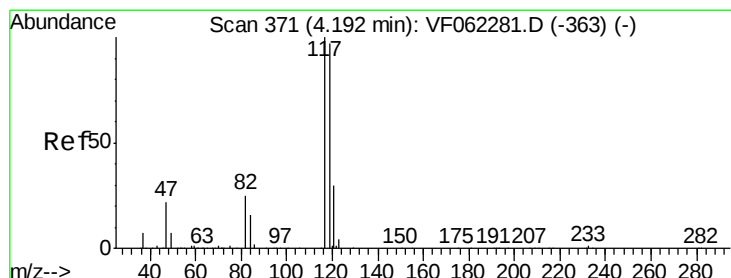
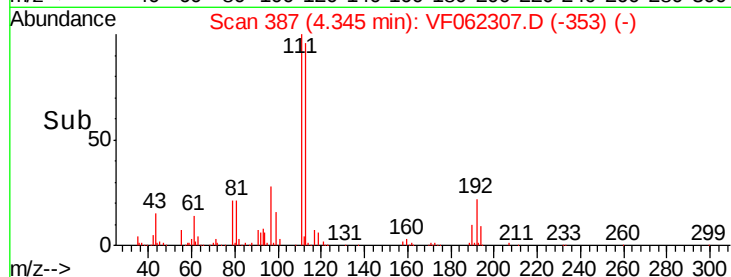
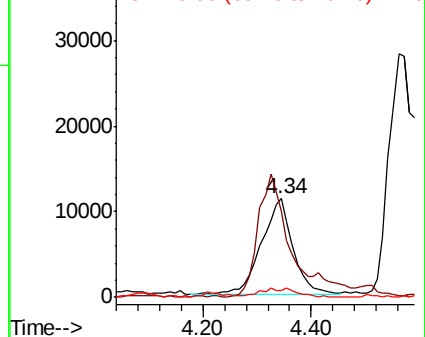
70 5.0 7.3 10.9#



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: 28.260 ug/l

RT: 4.22 min Scan# 374

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

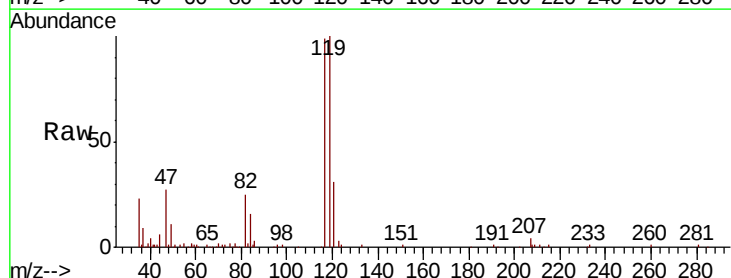
Tgt Ion: 117 Resp: 146703

Ion Ratio Lower Upper

117 100

119 100.5 77.3 115.9

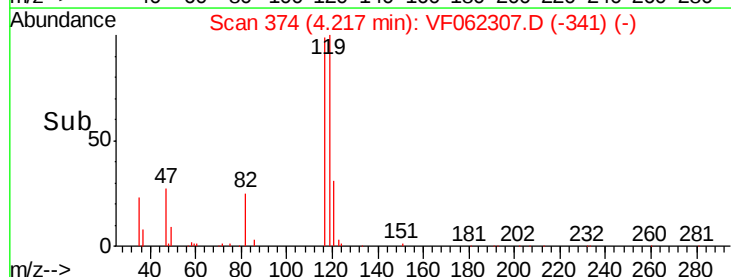
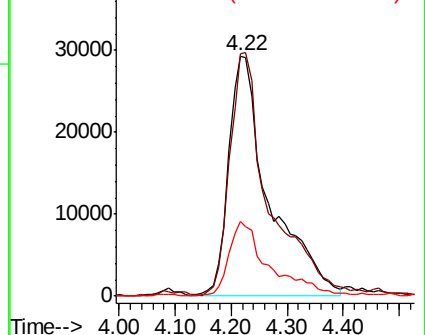
121 30.6 24.3 36.5

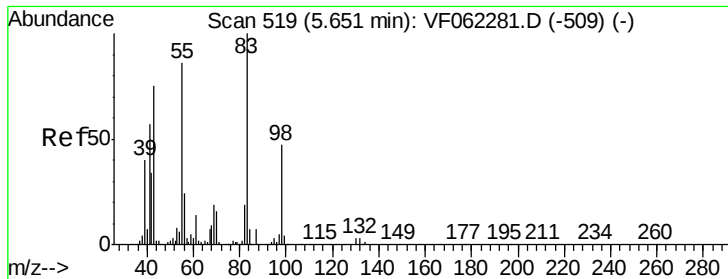


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

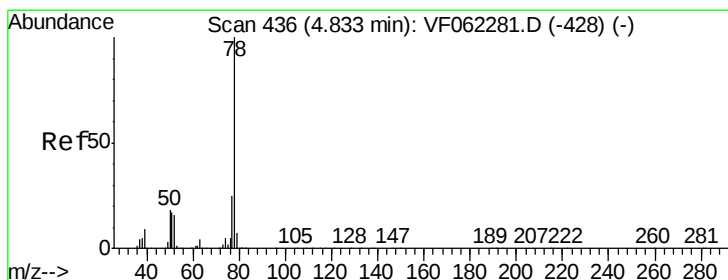
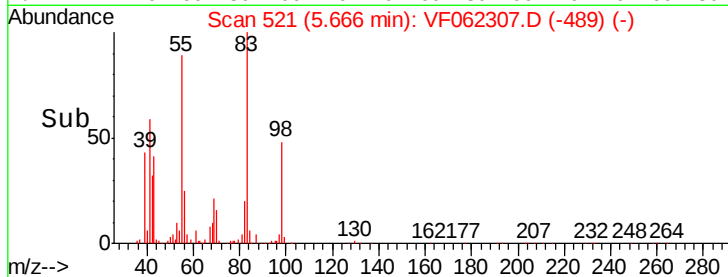
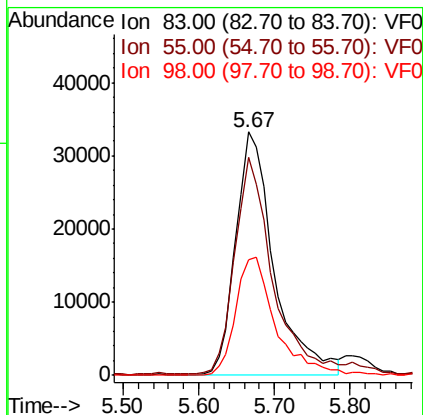
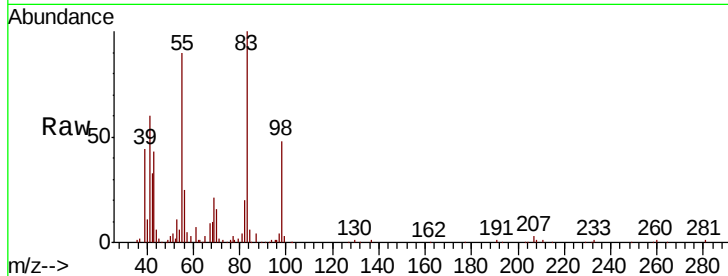




#39
Methvlcvclohexane
Concen: 19.769 ug/l
RT: 5.67 min Scan# 521
Delta R.T. 0.01 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

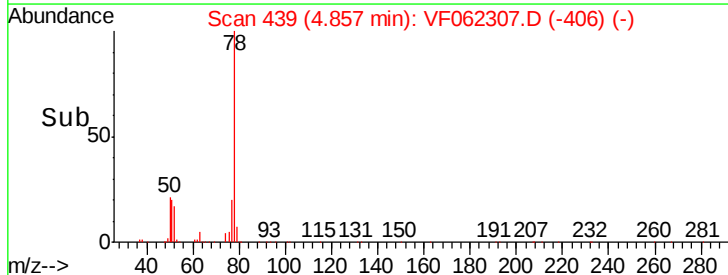
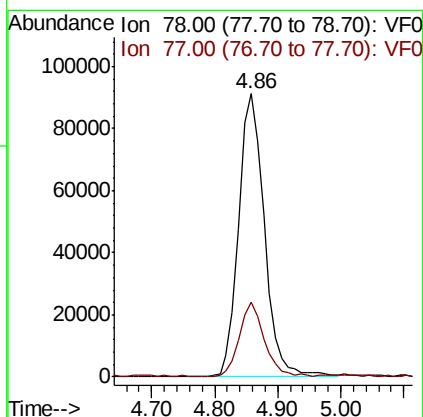
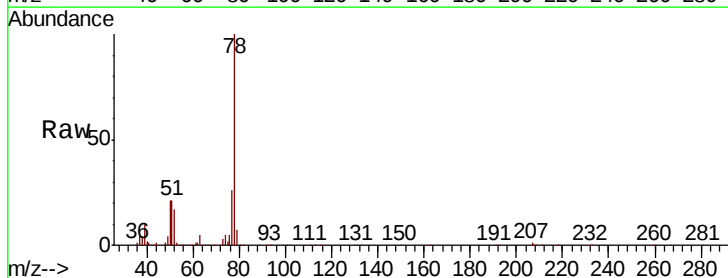
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

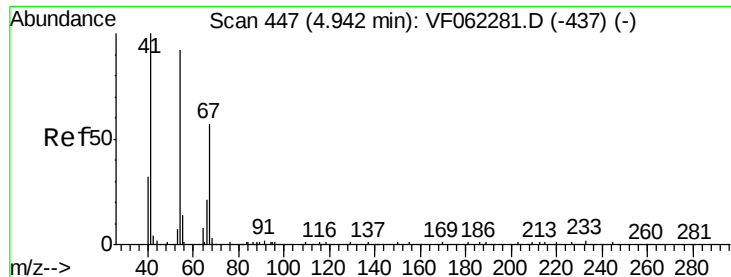
Tot Ion: 83 Resp: 117844
Ion Ratio Lower Upper
83 100
55 89.1 68.7 103.1
98 47.6 37.4 56.2



#40
Benzene
Concen: 20.981 ug/l
RT: 4.86 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion: 78 Resp: 258852
Ion Ratio Lower Upper
78 100
77 26.2 19.7 29.5





#41

Methacrylonitrile

Concen: 19.793 ug/l

RT: 4.98 min Scan# 451

Delta R.T. 0.03 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 41 Resp: 23622

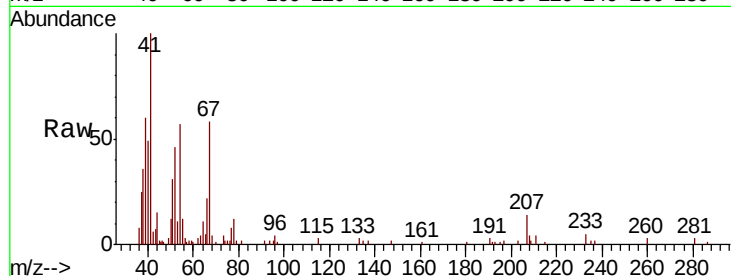
Ion Ratio Lower Upper

41 100

39 67.4 47.3 70.9

67 61.2 41.3 61.9

52 0.0 49.4 74.2#

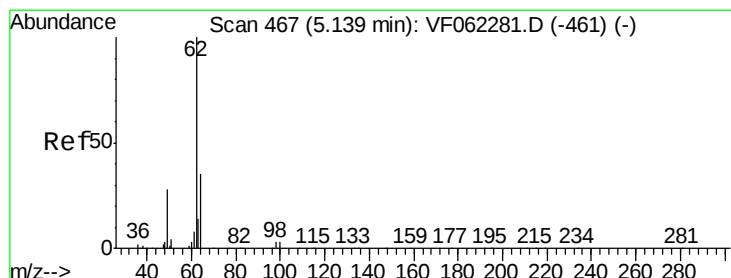
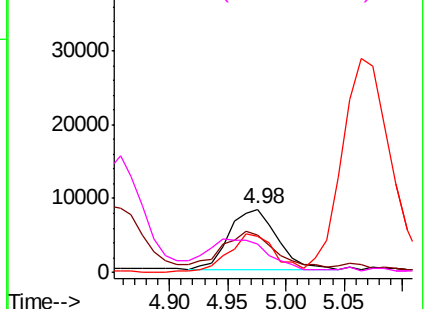
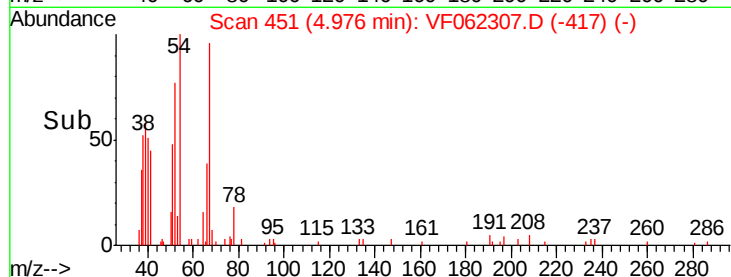


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 23.886 ug/l

RT: 5.16 min Scan# 470

Delta R.T. 0.02 min

Lab File: VF062307.D

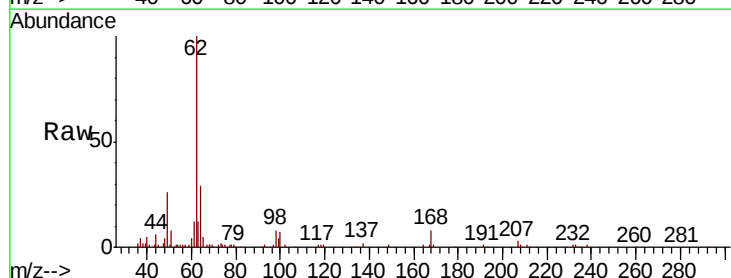
Acq: 26 Apr 2019 16:03

Tgt Ion: 62 Resp: 93357

Ion Ratio Lower Upper

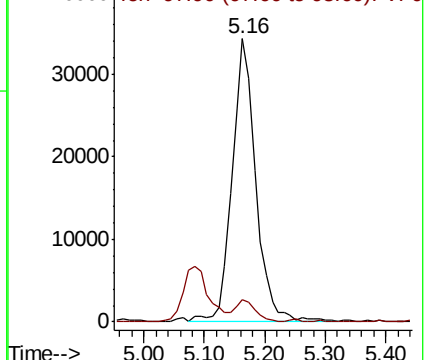
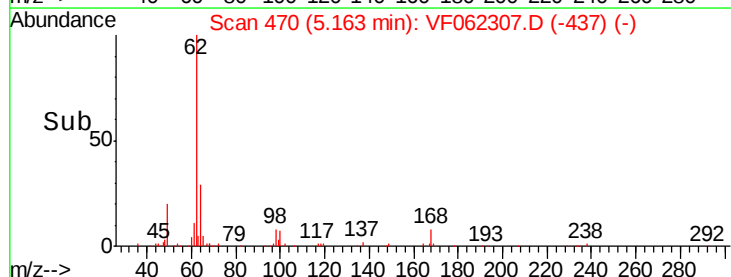
62 100

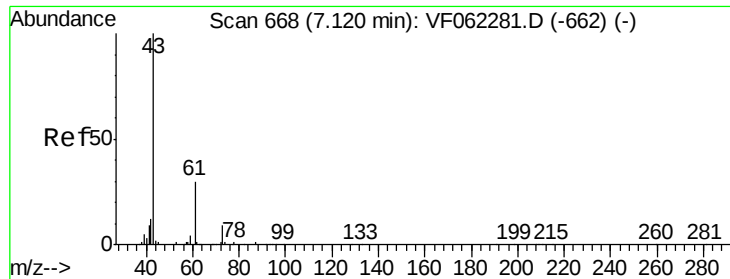
98 7.1 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 20.216 ug/l

RT: 7.14 min Scan# 671

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

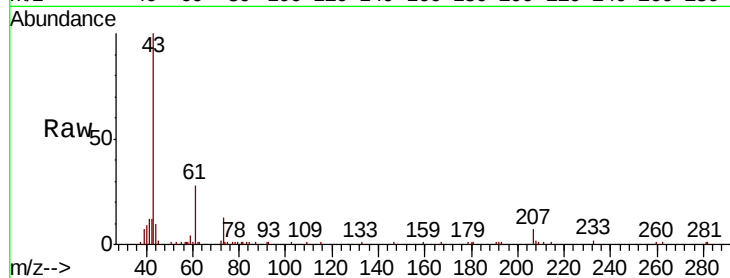
Tot Ion: 43 Resp: 44779

Ion Ratio Lower Upper

43 100

61 28.1 23.8 35.6

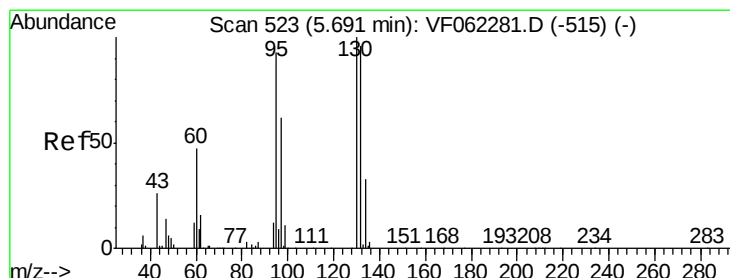
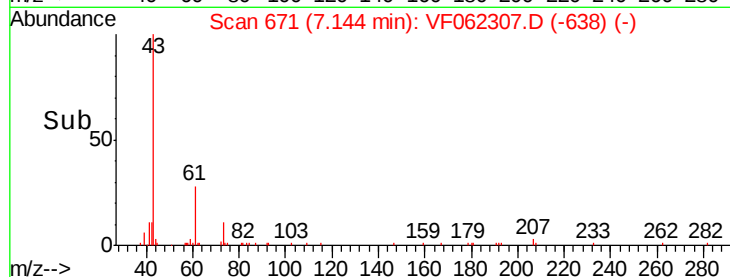
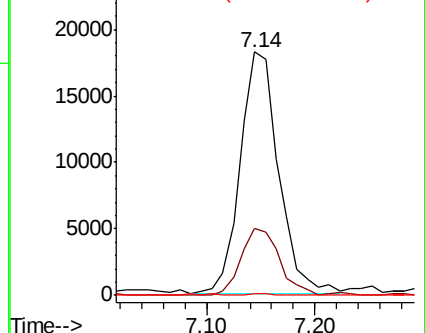
87 0.3 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.823 ug/l

RT: 5.72 min Scan# 527

Delta R.T. 0.03 min

Lab File: VF062307.D

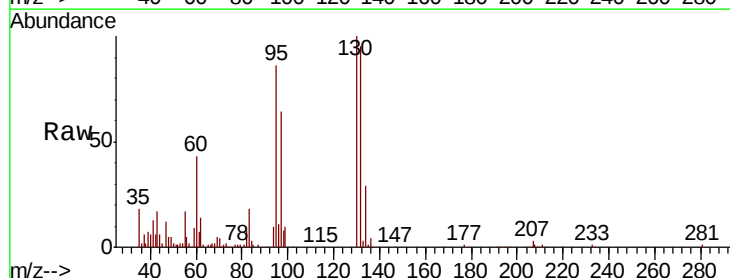
Acq: 26 Apr 2019 16:03

Tgt Ion:130 Resp: 86918

Ion Ratio Lower Upper

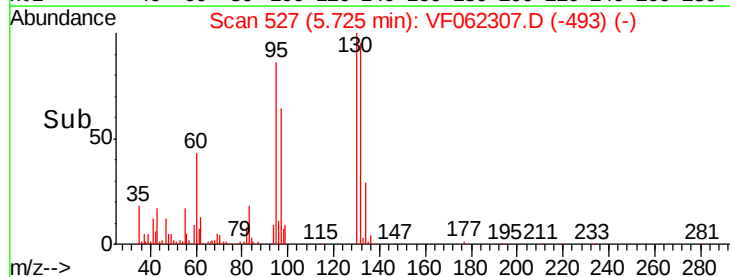
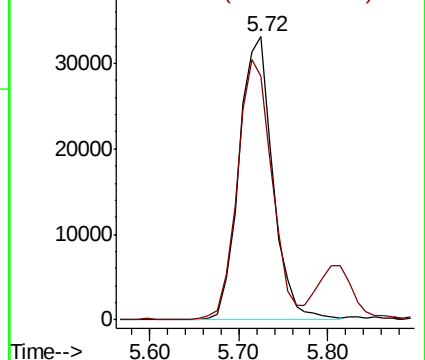
130 100

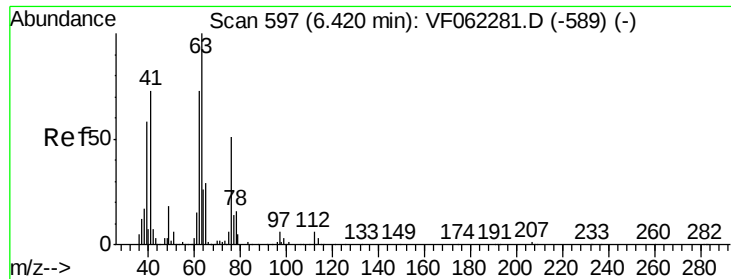
95 86.0 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0

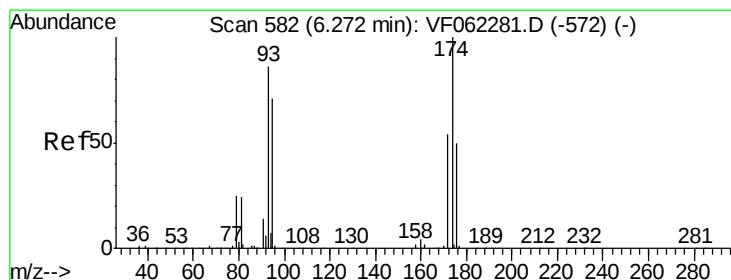
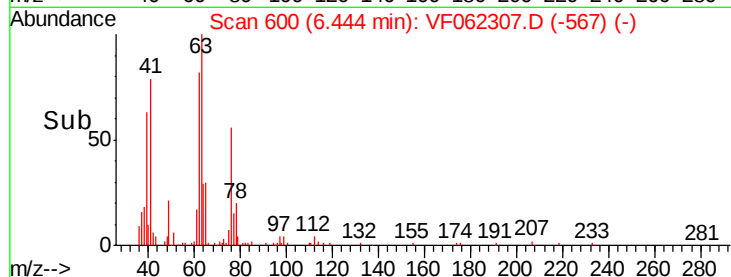
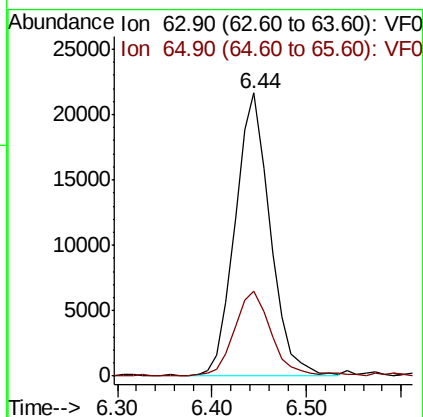
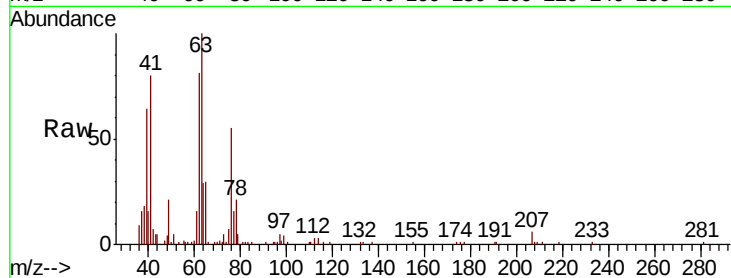




#45
 1,2-Dichloropropane
 Concen: 19.976 ug/l
 RT: 6.44 min Scan# 600
 Delta R.T. 0.02 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

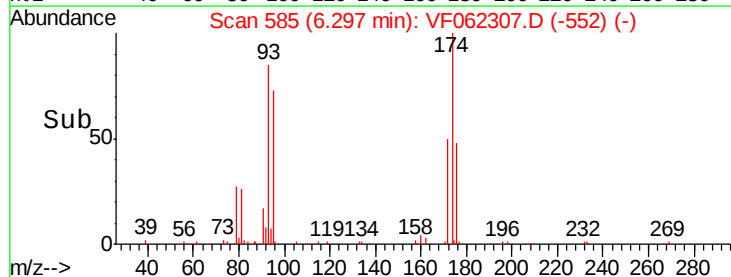
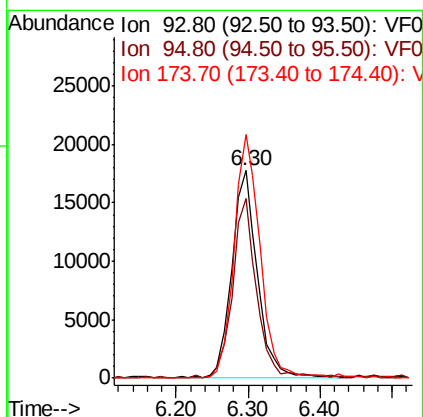
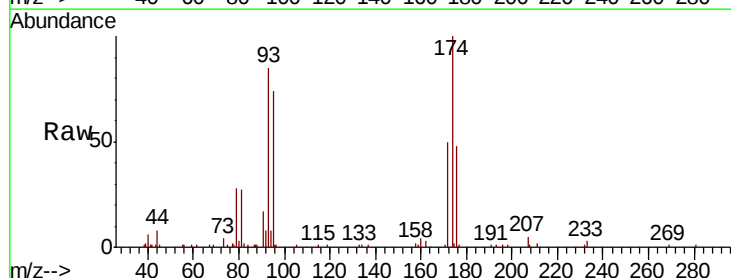
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

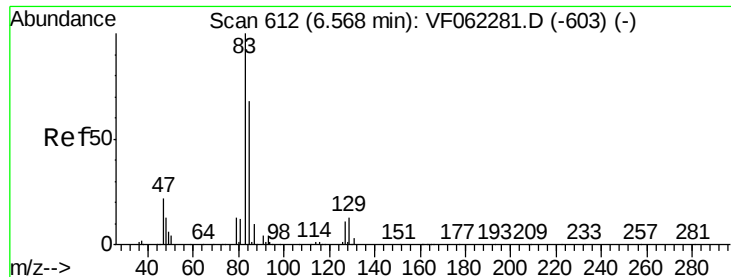
Tot Ion: 63 Resp: 55565
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.5 35.3



#46
 Dibromomethane
 Concen: 21.952 ug/l
 RT: 6.30 min Scan# 585
 Delta R.T. 0.02 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion: 93 Resp: 44092
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.2 99.4
 174 118.8 94.9 142.3





#47

Bromodichloromethane

Concen: 22.274 ug/l

RT: 6.58 min Scan# 614

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

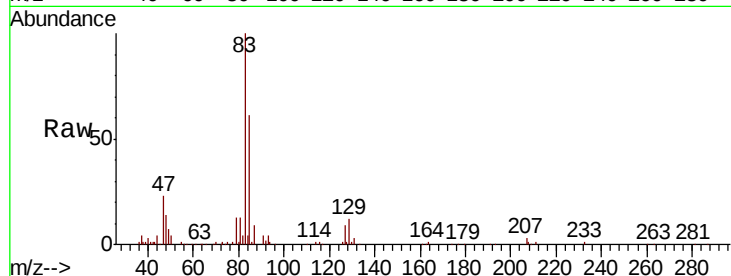
Tot Ion: 83 Resp: 105176

Ion Ratio Lower Upper

83 100

85 60.8 54.6 81.8

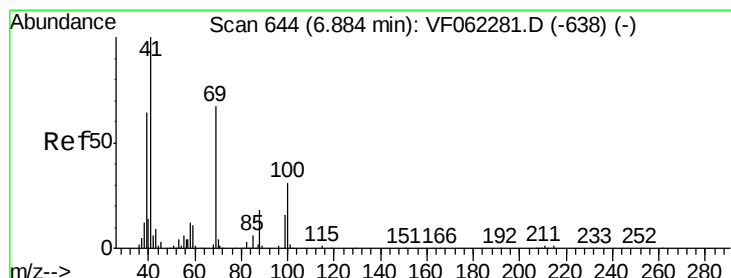
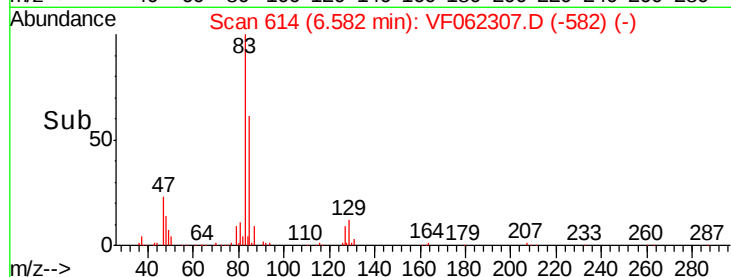
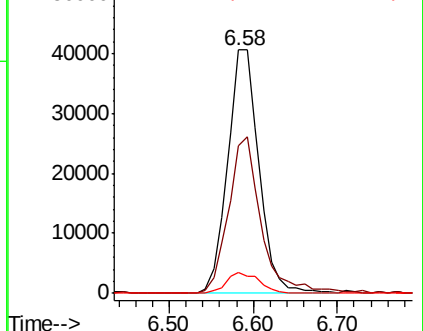
127 8.6 8.7 13.1#



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: 19.602 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

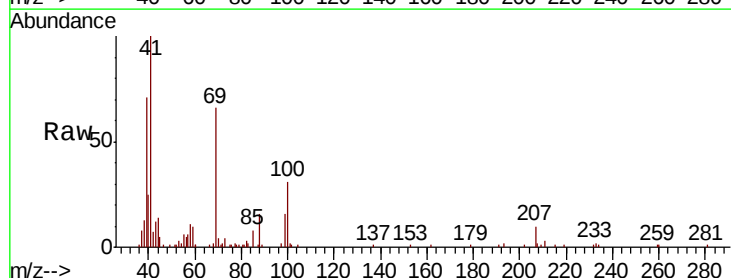
Tgt Ion: 41 Resp: 30851

Ion Ratio Lower Upper

41 100

69 68.7 53.4 80.2

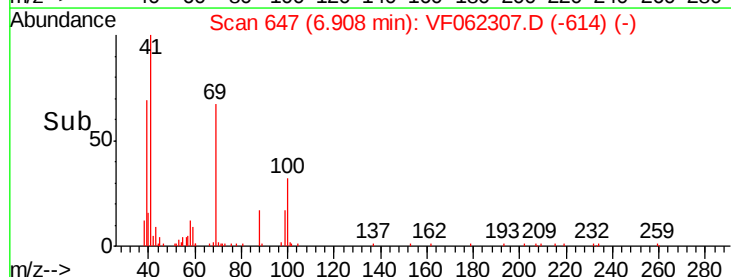
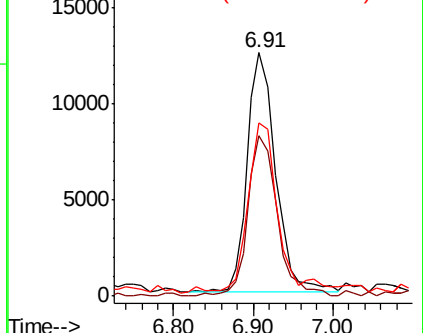
39 70.8 50.9 76.3

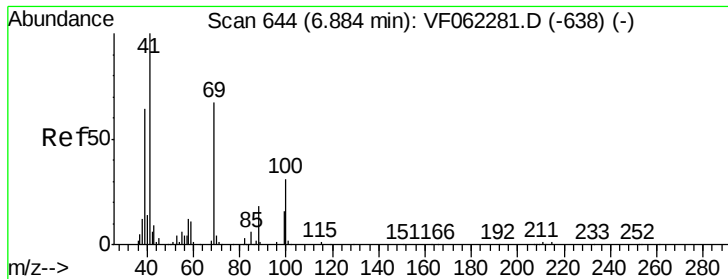


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 380.890 ug/l

RT: 6.92 min Scan# 648

Delta R.T. 0.03 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

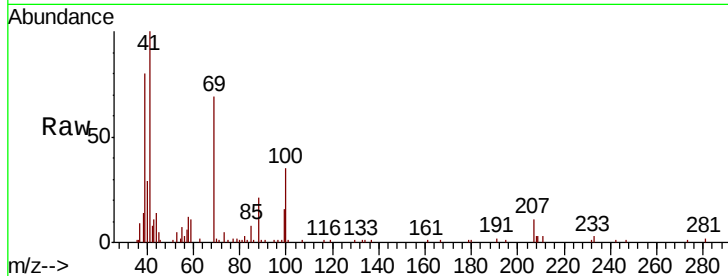
Tot Ion: 88 Resp: 6903

Ion Ratio Lower Upper

88 100

43 45.3 34.2 51.4

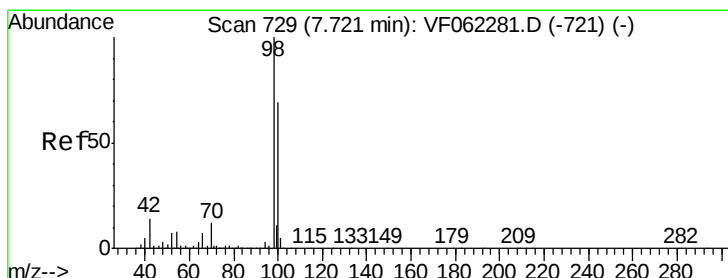
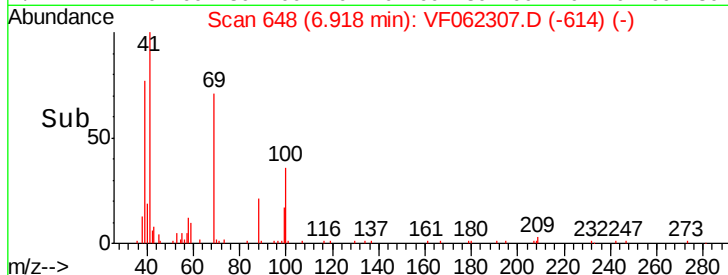
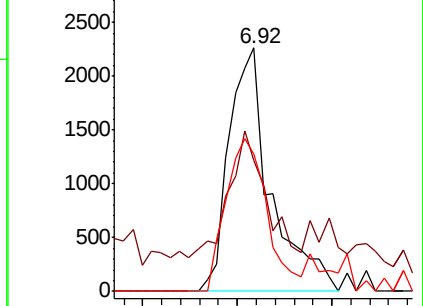
58 61.6 50.7 76.1



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: 47.008 ug/l

RT: 7.75 min Scan# 732

Delta R.T. 0.02 min

Lab File: VF062307.D

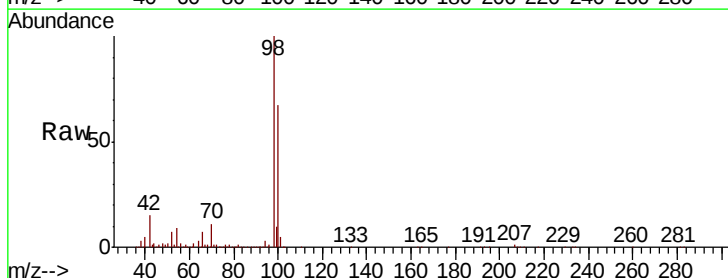
Acq: 26 Apr 2019 16:03

Tgt Ion: 98 Resp: 471217

Ion Ratio Lower Upper

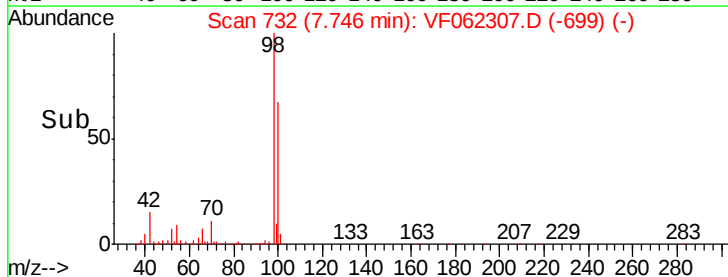
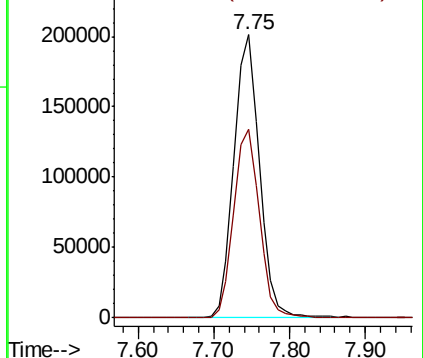
98 100

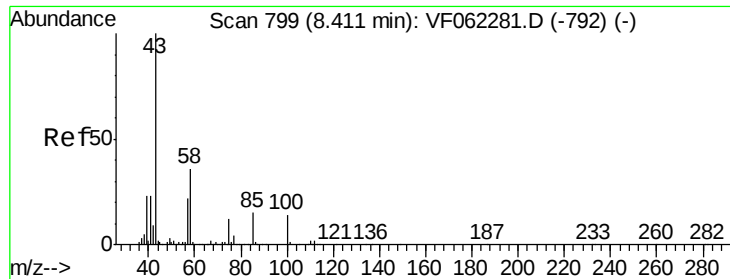
100 67.0 54.4 81.6



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: 100.954 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

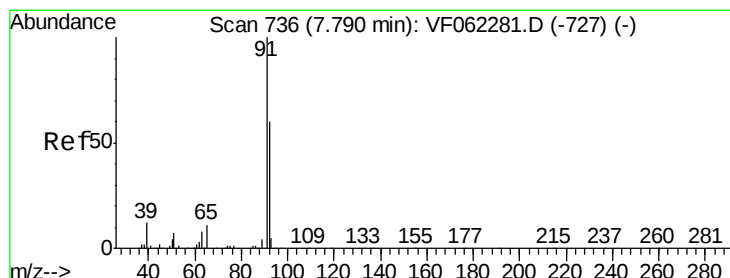
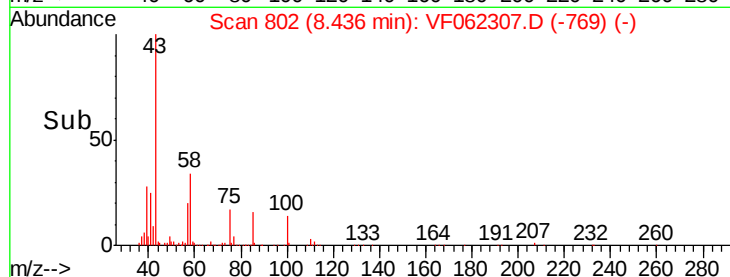
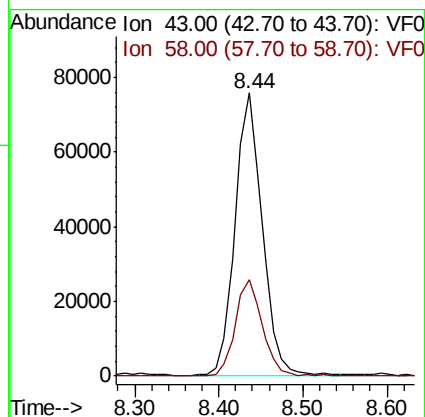
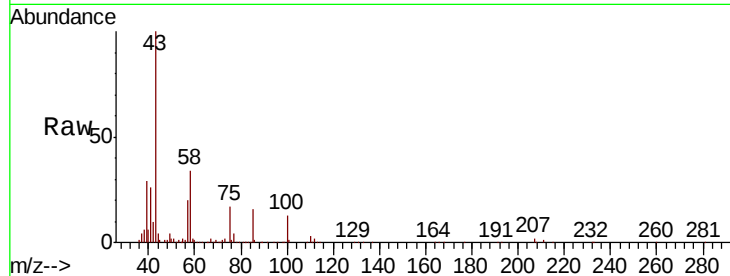
VF0426SBS01

Tot Ion: 43 Resp: 170880

Ion Ratio Lower Upper

43 100

58 34.0 29.1 43.7



#52

Toluene

Concen: 20.093 ug/l

RT: 7.81 min Scan# 739

Delta R.T. 0.02 min

Lab File: VF062307.D

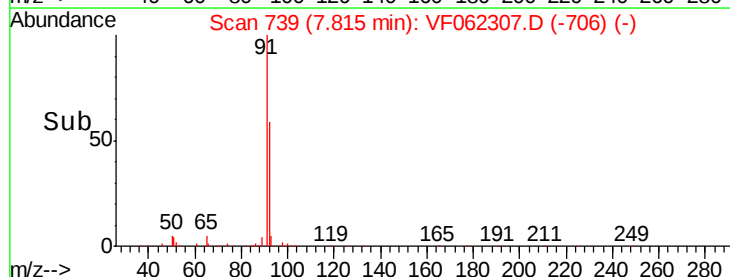
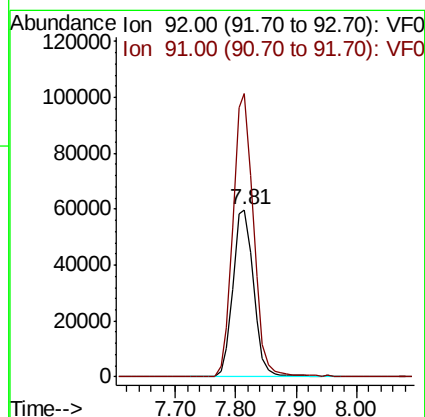
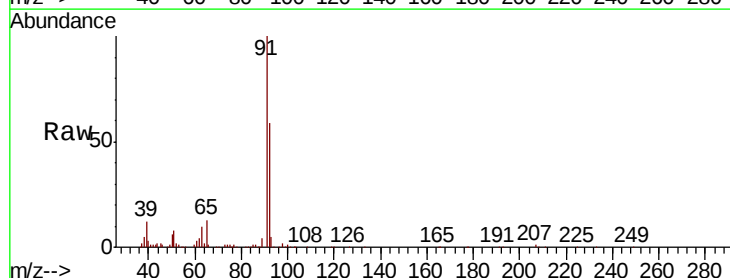
Acq: 26 Apr 2019 16:03

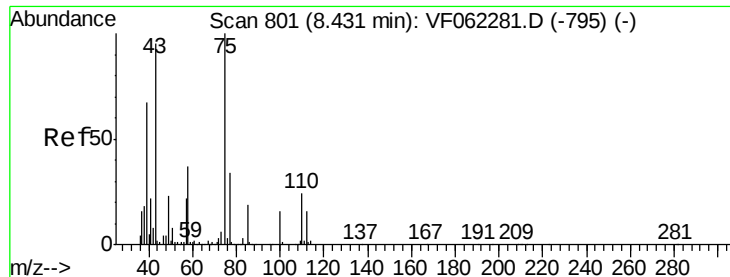
Tgt Ion: 92 Resp: 143043

Ion Ratio Lower Upper

92 100

91 167.4 132.5 198.7





#53

t-1,3-Dichloropropene

Concen: 21.357 ug/l

RT: 8.46 min Scan# 804

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

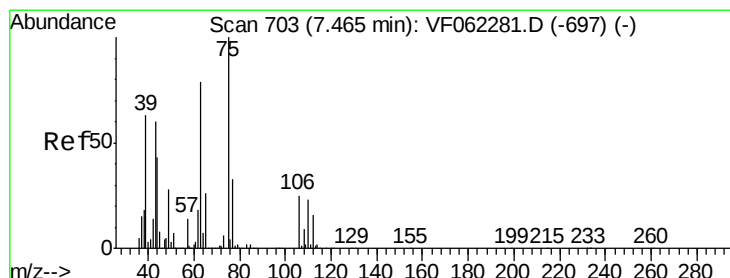
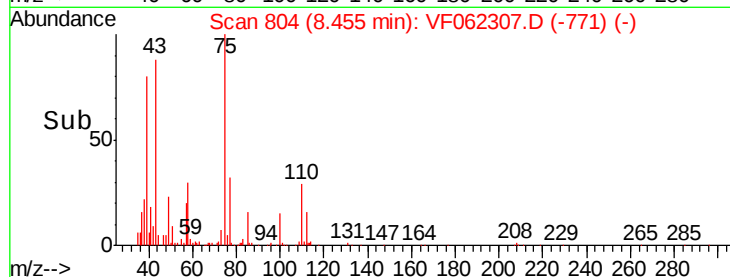
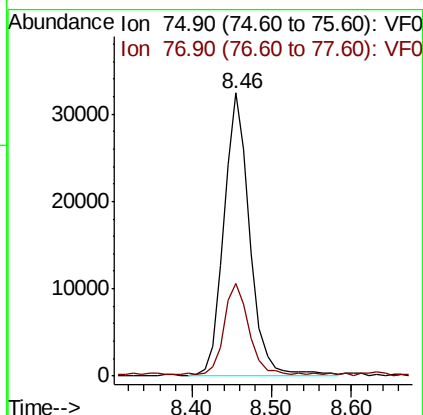
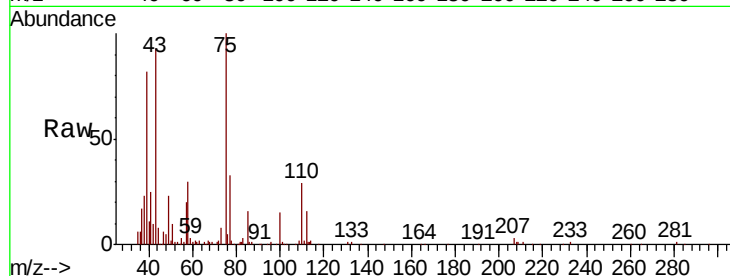
VF0426SBS01

Tot Ion: 75 Resp: 74155

Ion Ratio Lower Upper

75 100

77 32.1 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 20.735 ug/l

RT: 7.49 min Scan# 706

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

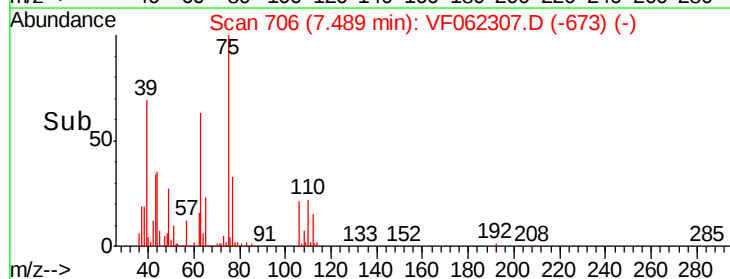
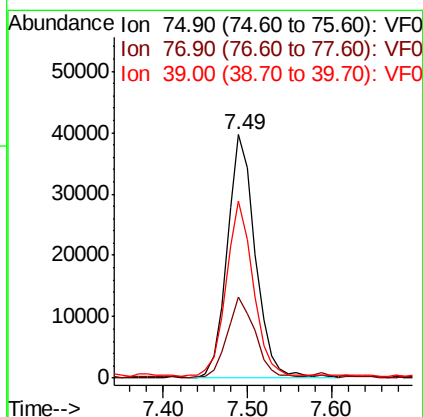
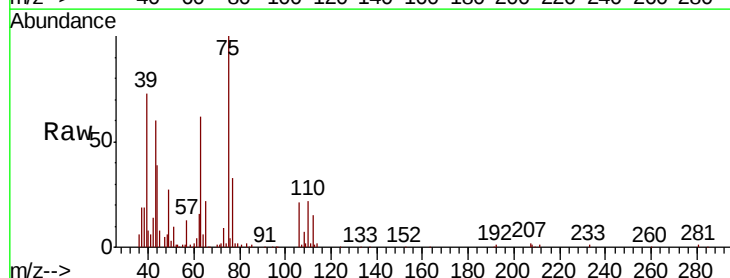
Tgt Ion: 75 Resp: 92232

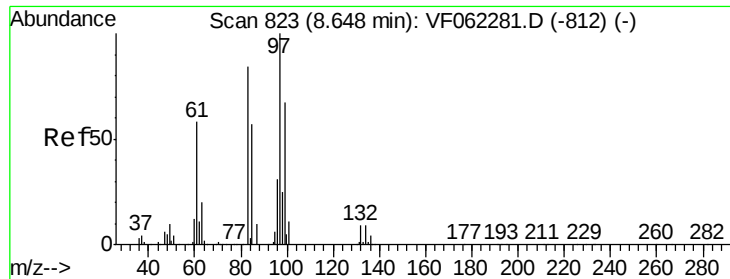
Ion Ratio Lower Upper

75 100

77 33.0 26.5 39.7

39 71.6 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 20.833 ug/l

RT: 8.66 min Scan# 825

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 97 Resp: 42123

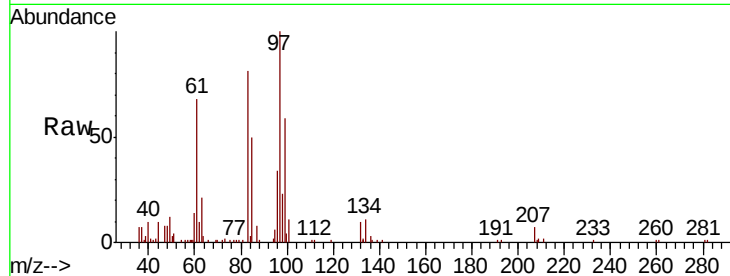
Ion Ratio Lower Upper

97 100

83 81.0 67.5 101.3

85 49.7 45.3 67.9

99 59.0 53.4 80.0

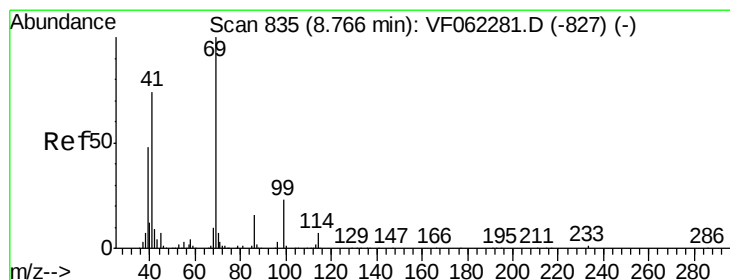
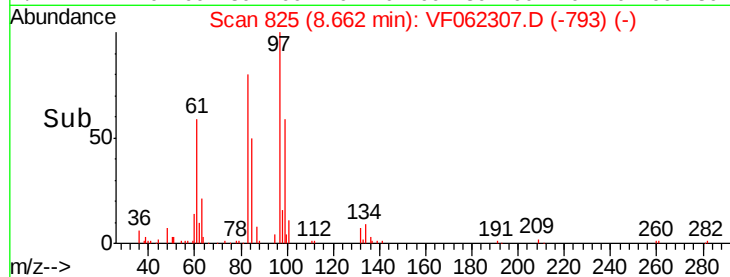
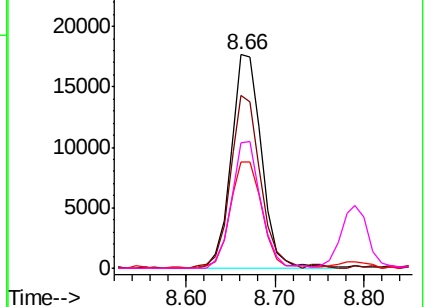


Abundance Ion 96.90 (96.60 to 97.60): VF0

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



#56

Ethyl methacrylate

Concen: 20.883 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

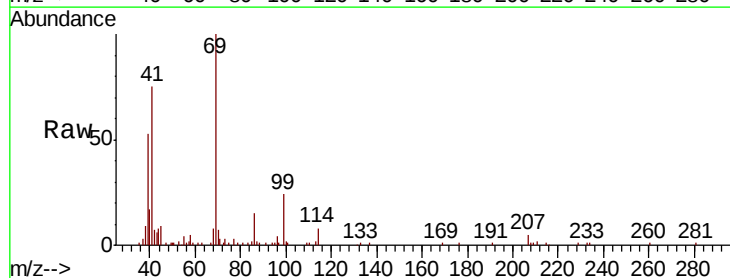
Tgt Ion: 69 Resp: 46386

Ion Ratio Lower Upper

69 100

41 81.5 61.5 92.3

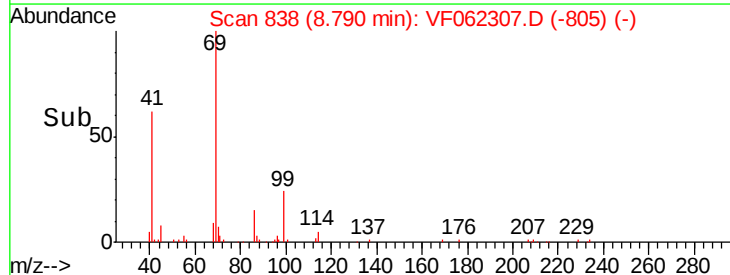
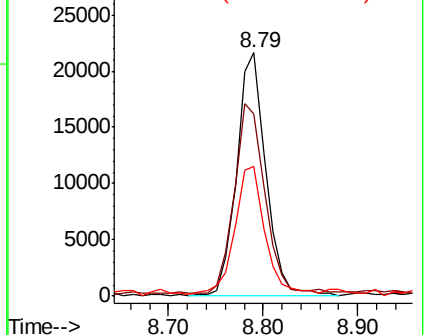
39 54.0 37.9 56.9

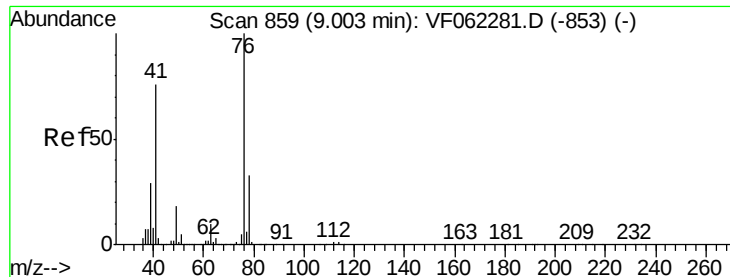


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 20.576 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

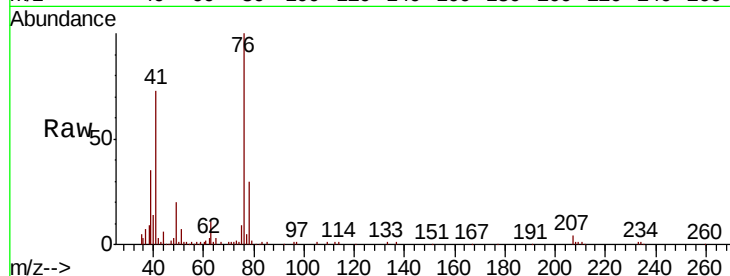
VF0426SBS01

Tot Ion: 76 Resp: 65411

Ion Ratio Lower Upper

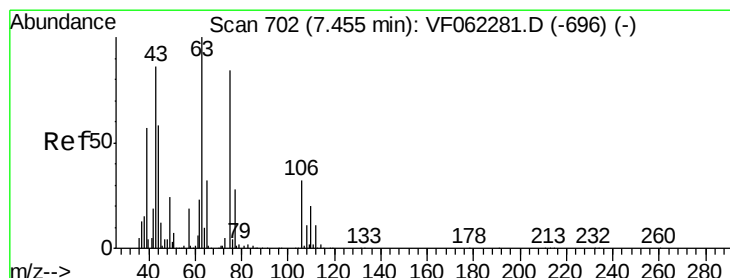
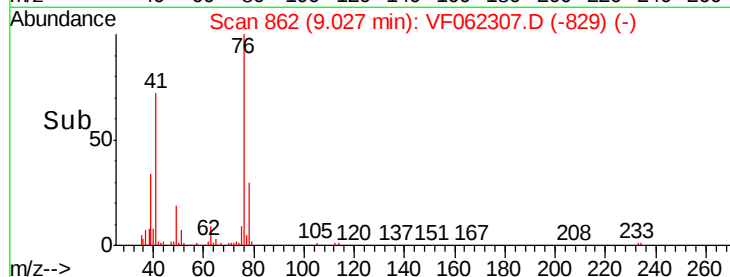
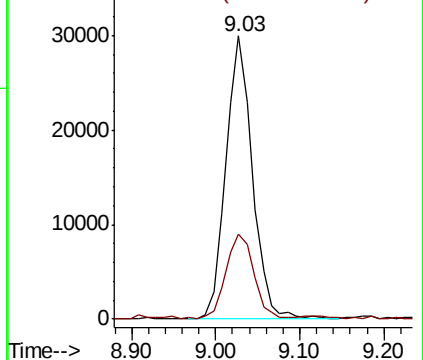
76 100

78 32.1 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 100.139 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF062307.D

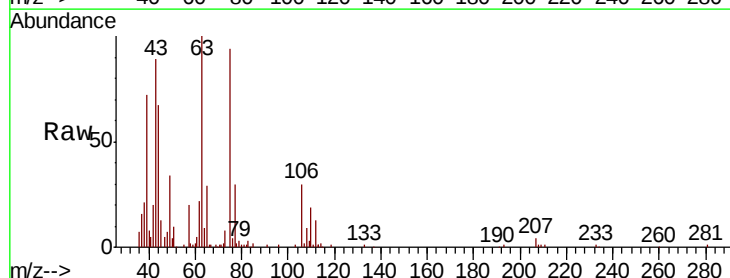
Acq: 26 Apr 2019 16:03

Tgt Ion: 63 Resp: 67684

Ion Ratio Lower Upper

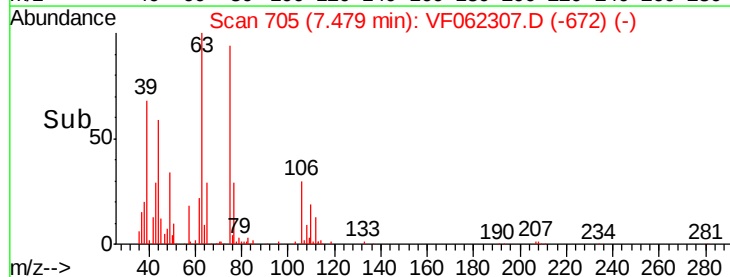
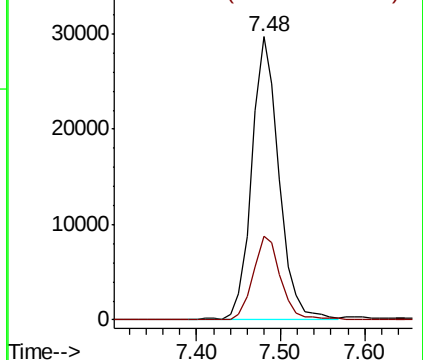
63 100

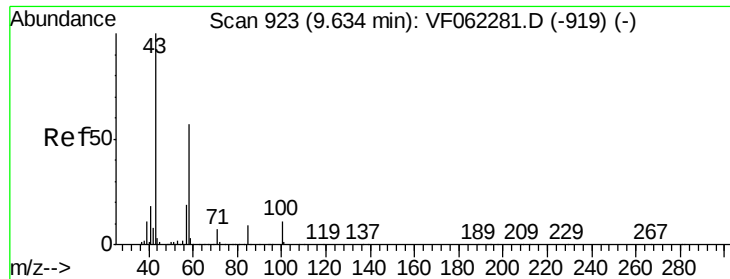
106 29.8 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

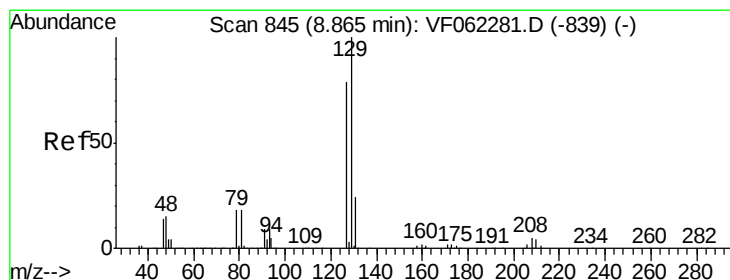
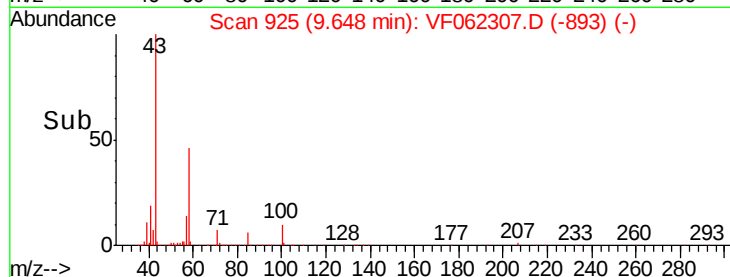
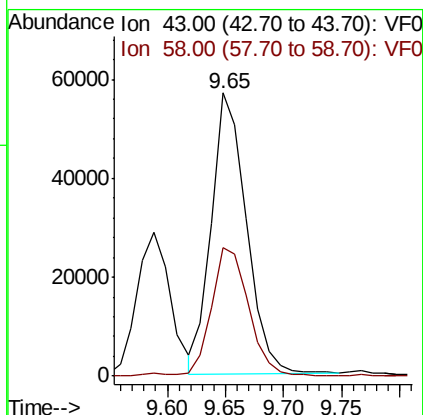
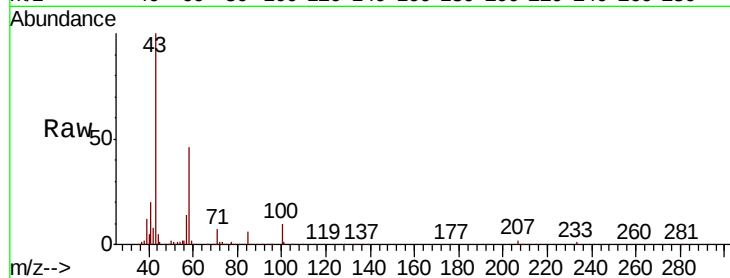




#59
2-Hexanone
Concen: 106.769 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

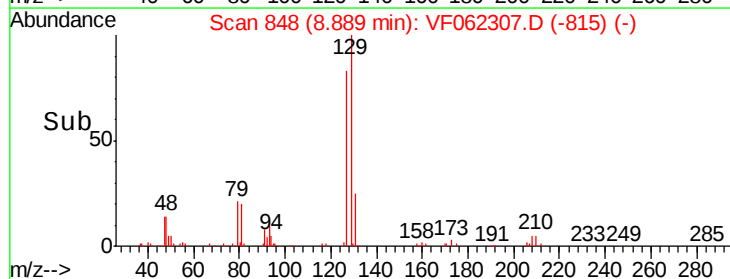
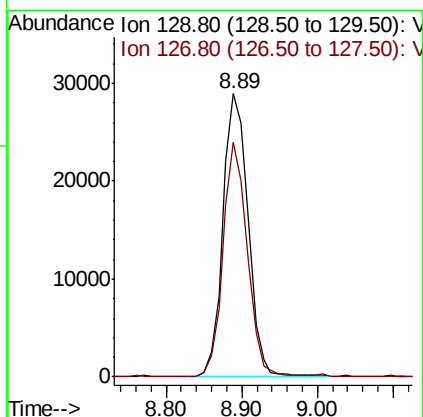
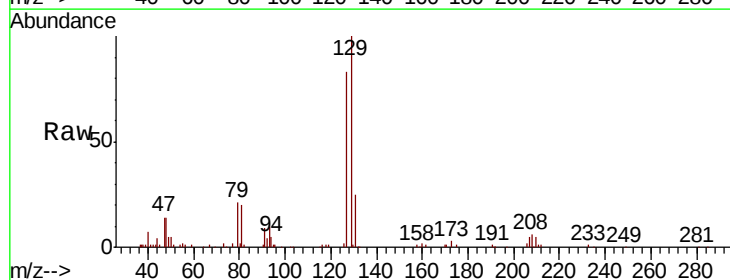
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBSD01

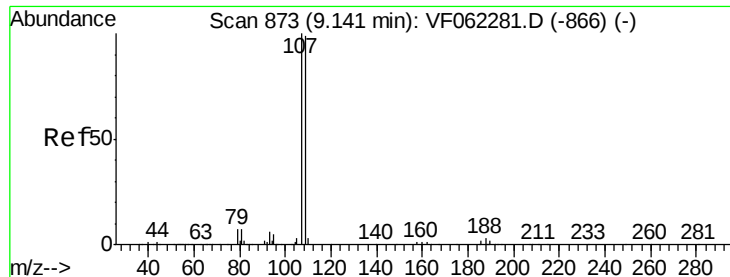
Tot Ion: 43 Resp: 118716
Ion Ratio Lower Upper
43 100
58 47.8 24.9 74.7



#60
Dibromochloromethane
Concen: 20.348 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion:129 Resp: 66774
Ion Ratio Lower Upper
129 100
127 80.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 20.640 ug/l

RT: 9.17 min Scan# 876

Delta R.T. 0.02 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

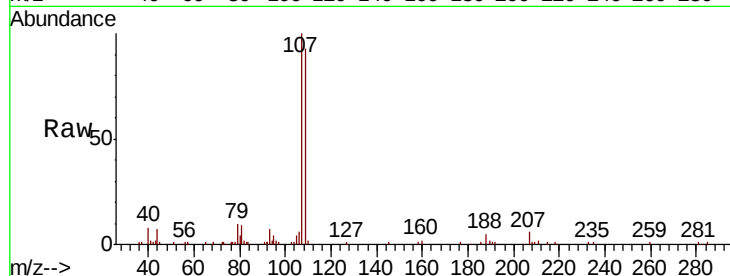
VF0426SBS01

Tot Ion:107 Resp: 48299

Ion Ratio Lower Upper

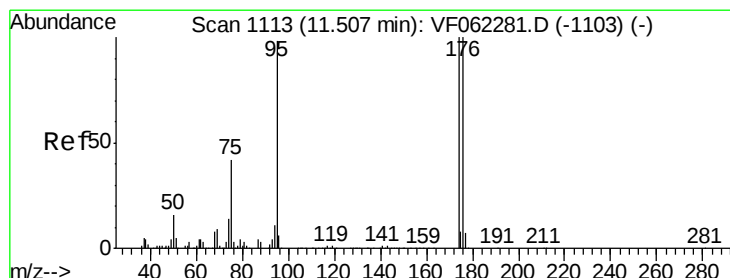
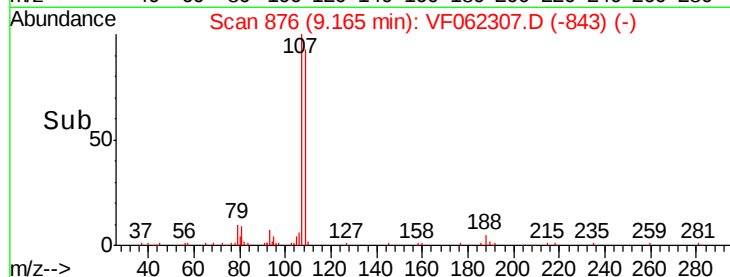
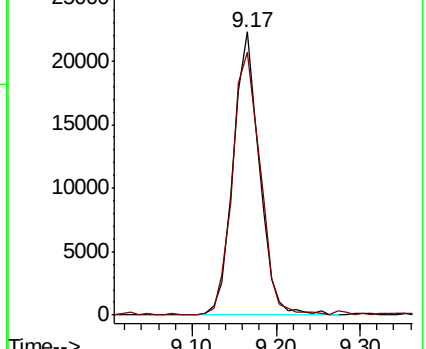
107 100

109 99.4 78.7 118.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.075 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

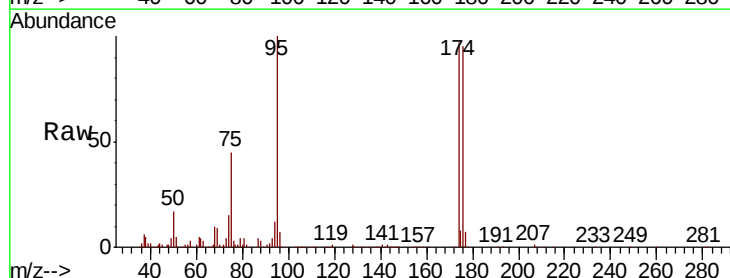
Tgt Ion: 95 Resp: 190373

Ion Ratio Lower Upper

95 100

174 95.8 0.0 185.2

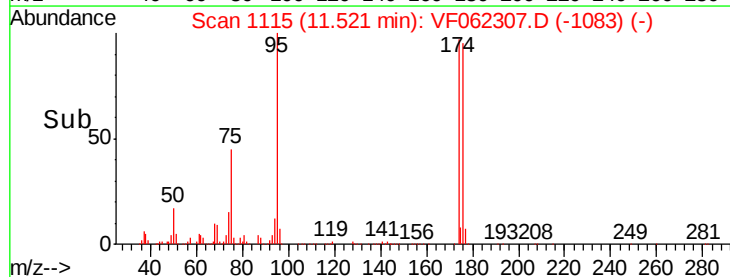
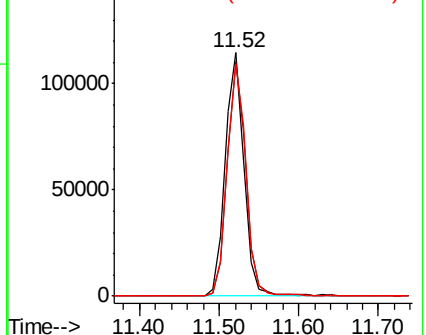
176 96.4 0.0 184.8

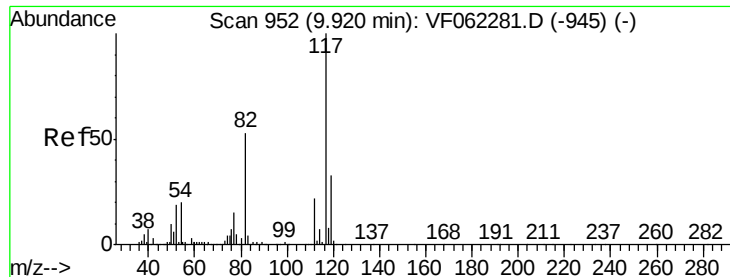


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

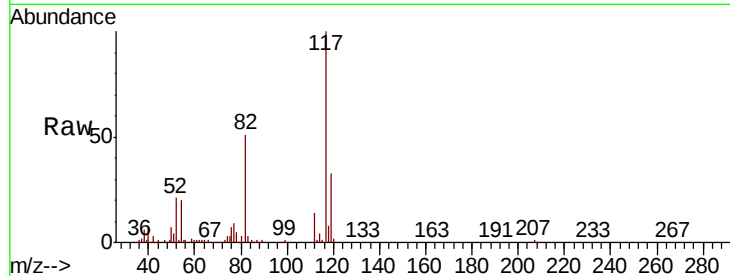




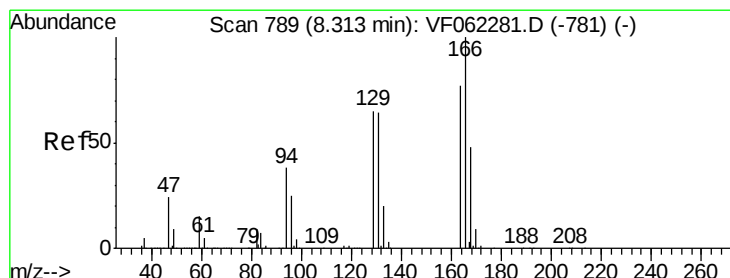
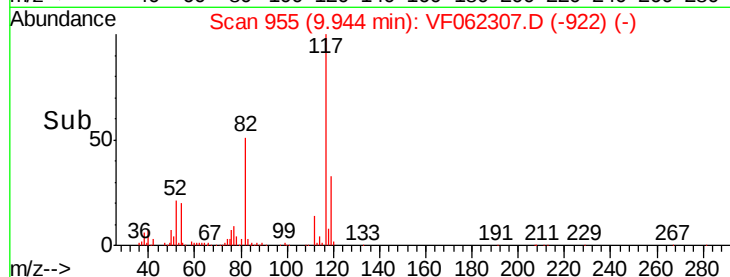
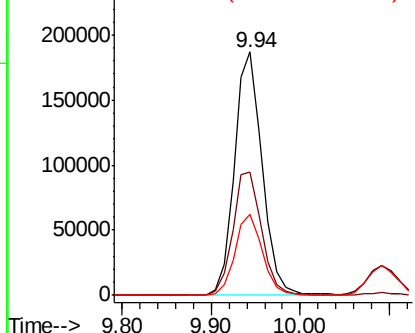
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Instrument :
MSVOA_F
ClientSampleId :
VF0426SBSD01

Tot Ion:117 Resp: 406816
Ion Ratio Lower Upper
117 100
82 50.8 42.6 64.0
119 33.5 26.1 39.1

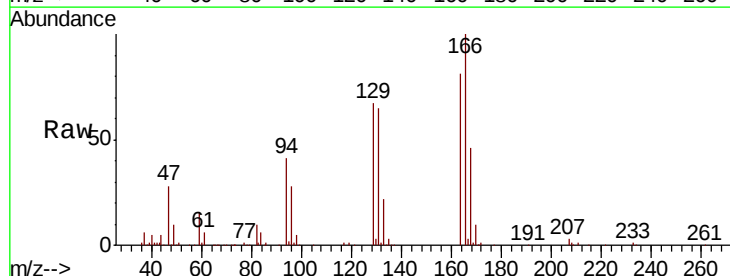


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

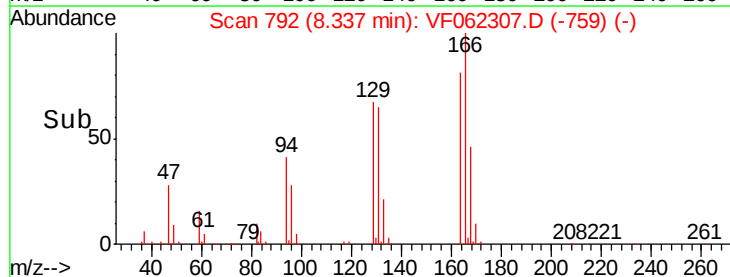
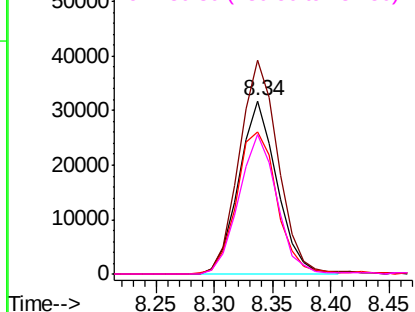


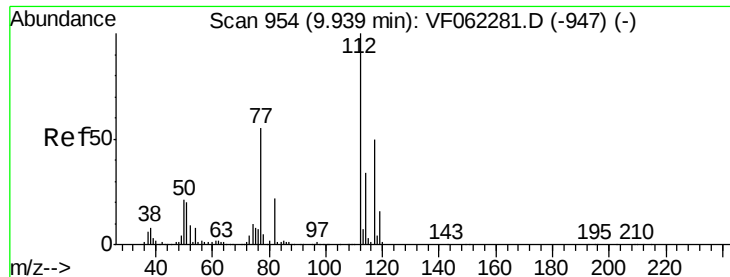
#64
Tetrachloroethene
Concen: 21.218 ug/l
RT: 8.34 min Scan# 792
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion:164 Resp: 72199
Ion Ratio Lower Upper
164 100
166 123.4 103.5 155.3
129 82.2 67.6 101.4
131 80.7 66.1 99.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

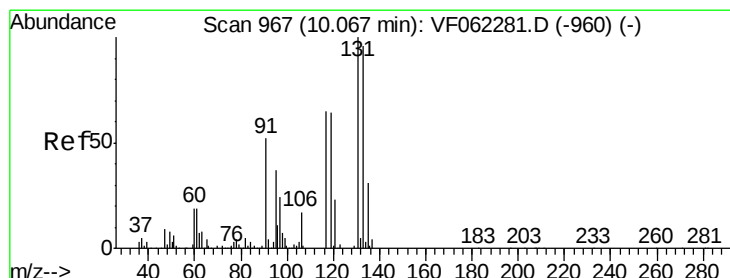
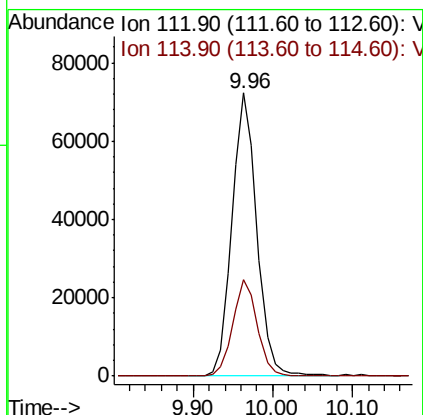
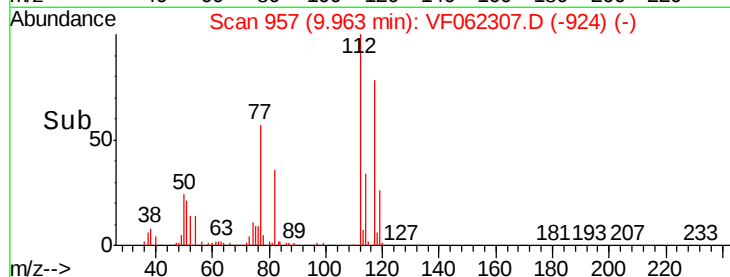
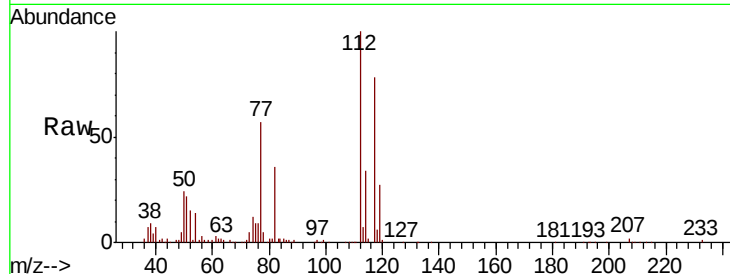




#65
Chlorobenzene
Concen: 21.208 ug/l
RT: 9.96 min Scan# 957
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

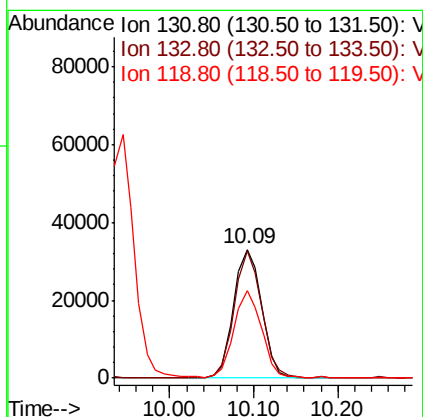
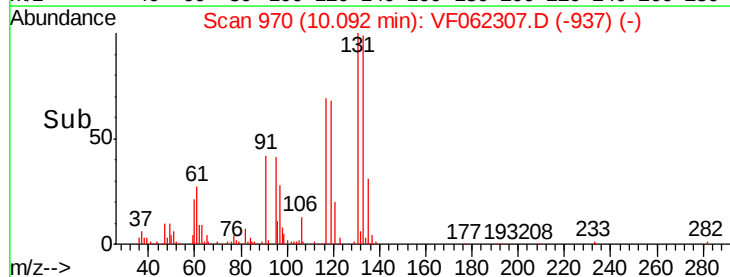
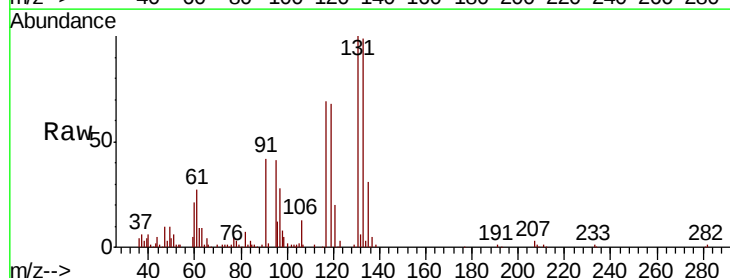
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

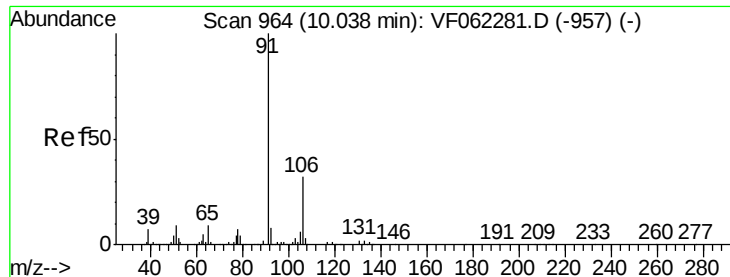
Tot Ion:112 Resp: 157665
Ion Ratio Lower Upper
112 100
114 34.1 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.907 ug/l
RT: 10.09 min Scan# 970
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion:131 Resp: 76709
Ion Ratio Lower Upper
131 100
133 97.7 48.5 145.5
119 66.7 32.9 98.7

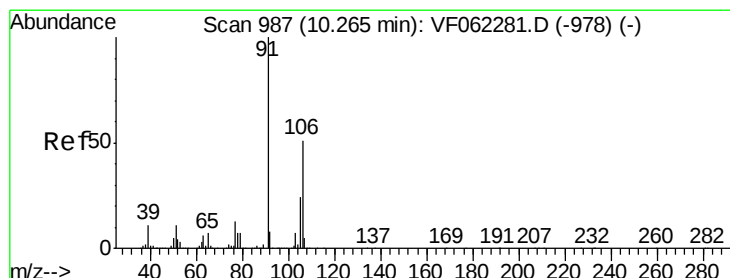
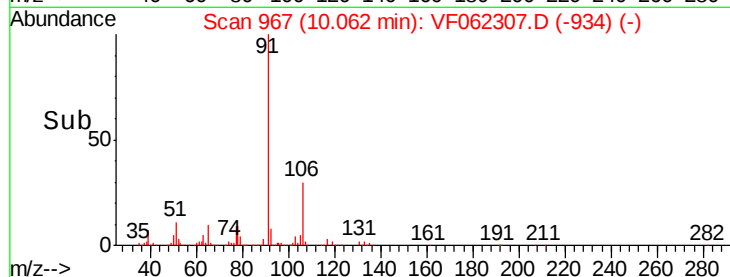
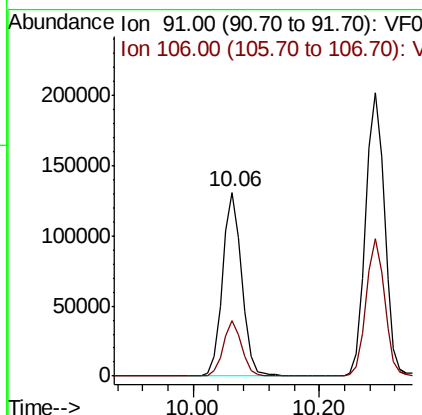
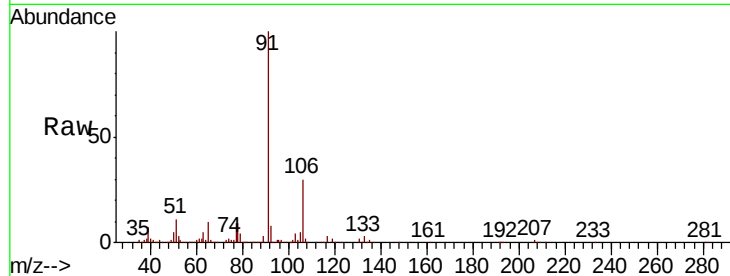




#67
Ethyl Benzene
Concen: 21.559 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

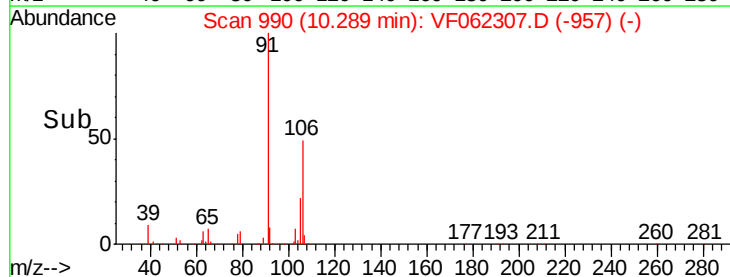
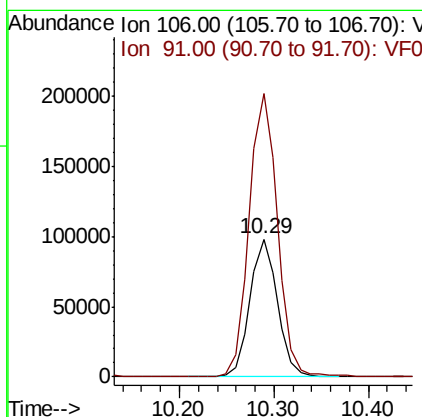
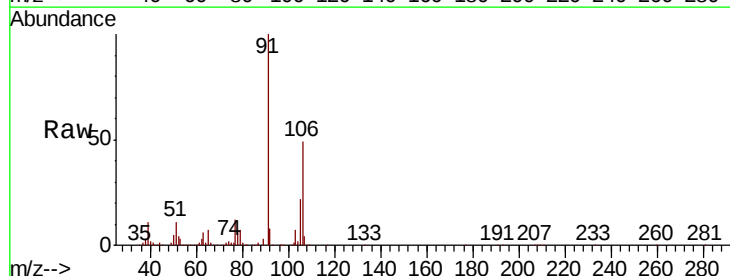
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

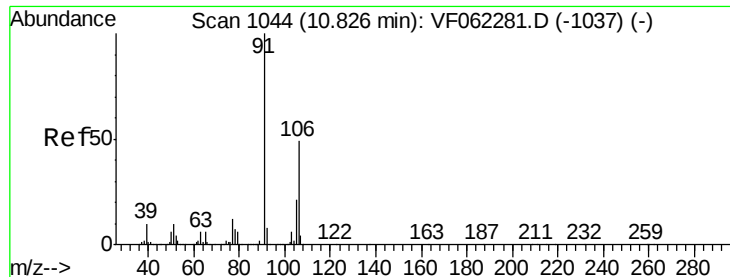
Tot Ion: 91 Resp: 278639
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4



#68
m/p-Xylenes
Concen: 41.279 ug/l
RT: 10.29 min Scan# 990
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion: 106 Resp: 198625
Ion Ratio Lower Upper
106 100
91 211.4 158.3 237.5

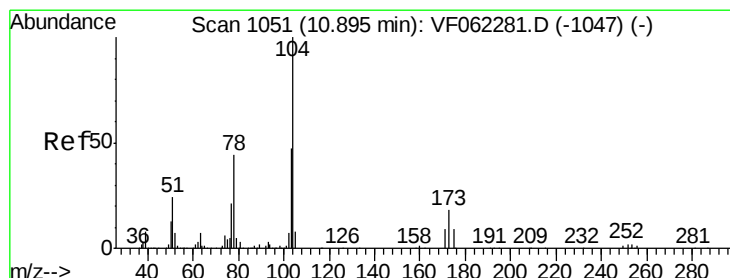
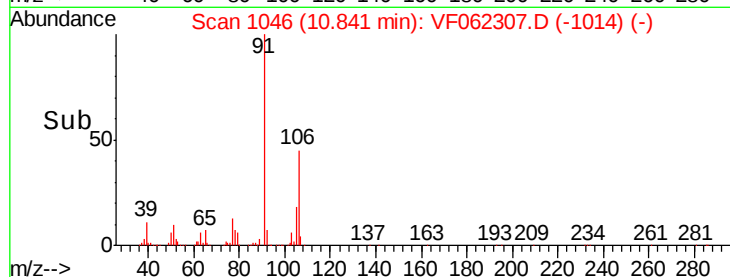
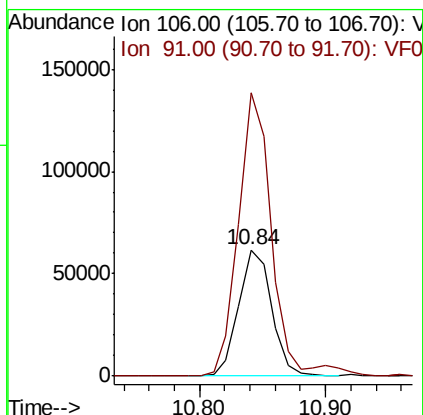
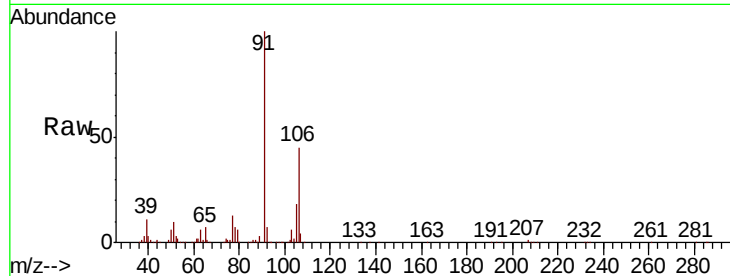




#69
o-Xylene
Concen: 21.056 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.01 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

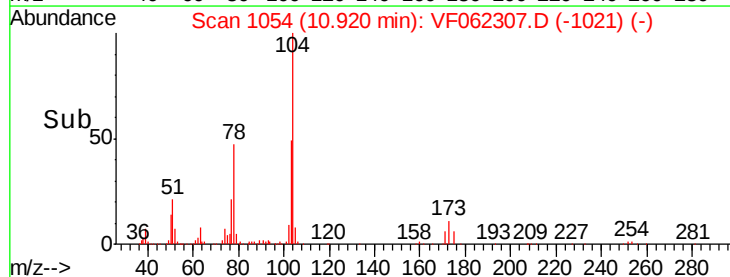
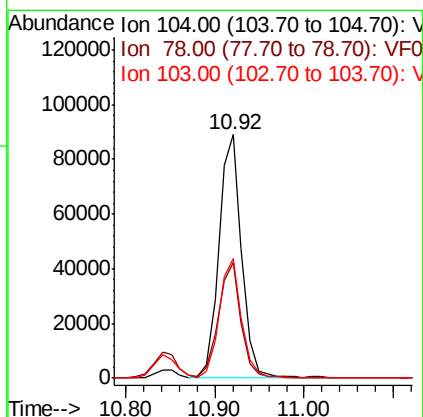
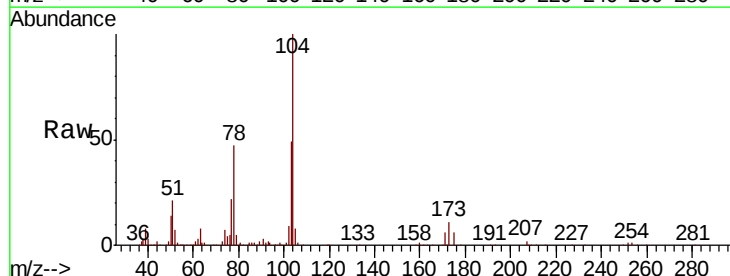
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

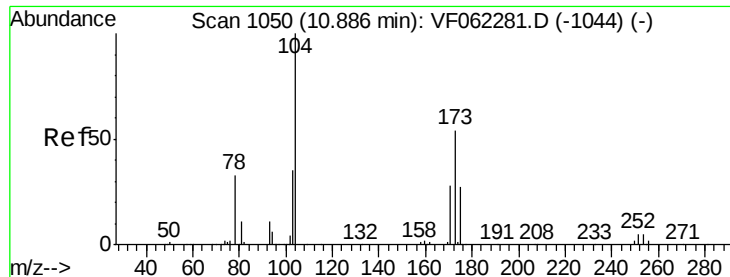
Tot Ion:106 Resp: 113194
Ion Ratio Lower Upper
106 100
91 217.3 110.0 330.0



#70
Styrene
Concen: 20.338 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. 0.02 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion:104 Resp: 158052
Ion Ratio Lower Upper
104 100
78 46.8 35.9 53.9
103 49.1 37.5 56.3





#71

Bromoform

Concen: 21.095 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

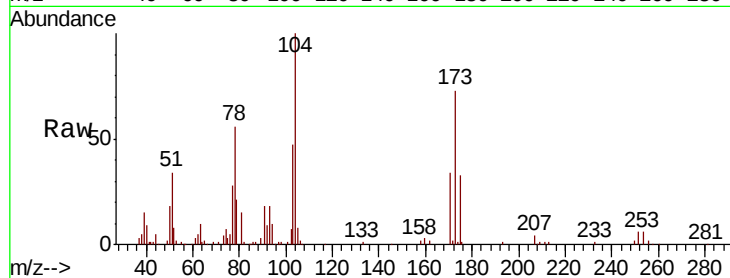
Tot Ion:173 Resp: 41580

Ion Ratio Lower Upper

173 100

175 46.6 25.3 75.9

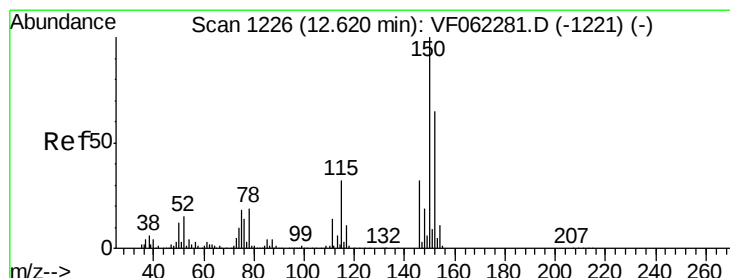
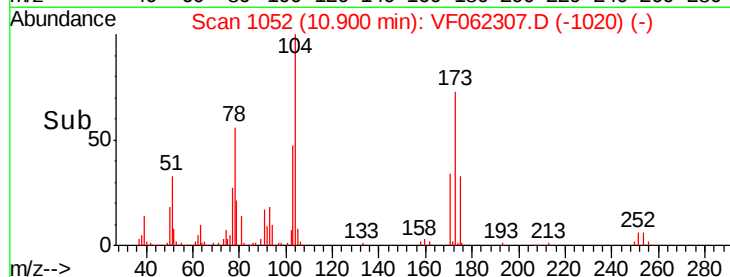
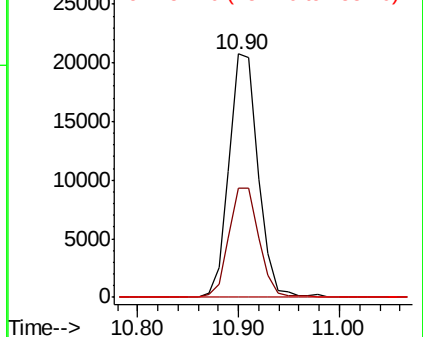
254 0.0 0.1 0.1#



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: 12.63 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

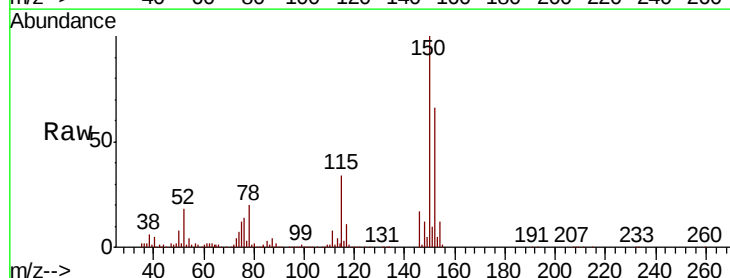
Tgt Ion:152 Resp: 241425

Ion Ratio Lower Upper

152 100

115 53.6 25.6 76.8

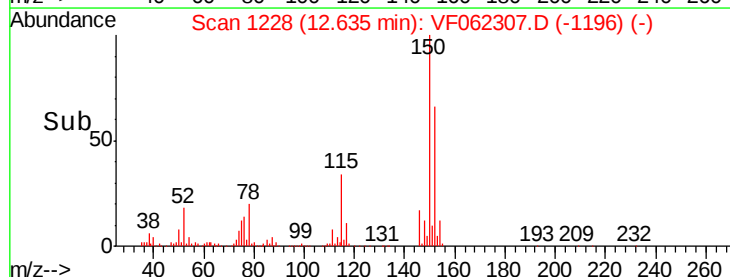
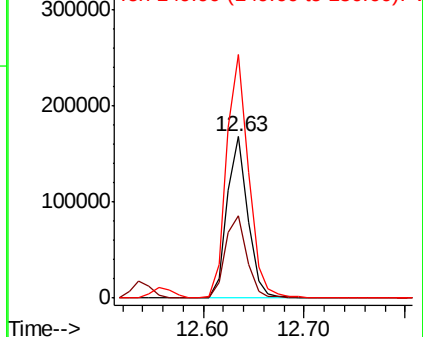
150 159.8 0.0 330.6

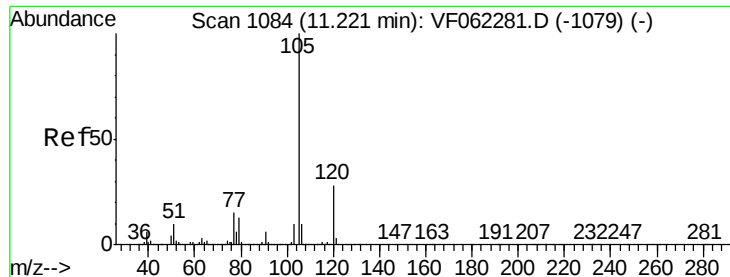


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.845 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

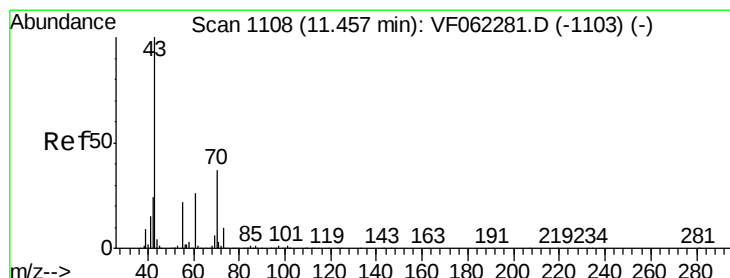
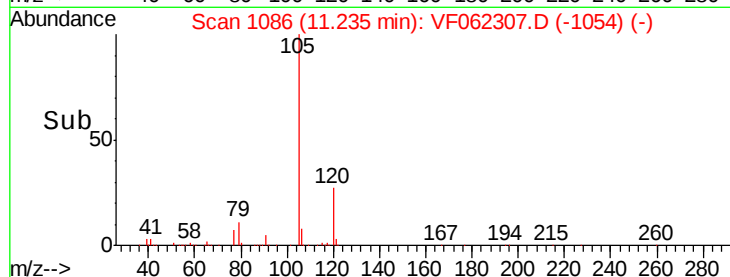
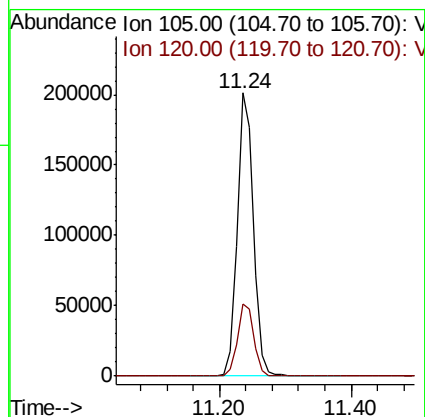
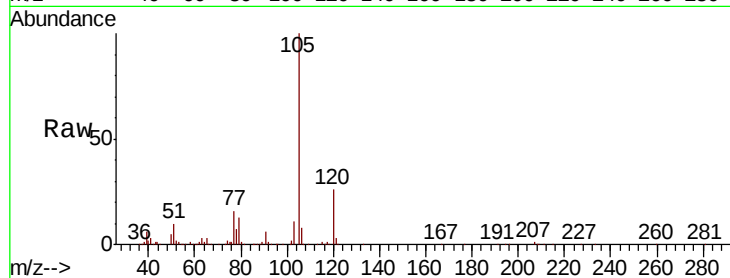
VF0426SBS01

Tot Ion:105 Resp: 344805

Ion Ratio Lower Upper

105 100

120 25.9 12.4 37.2



#74

N-ethyl acetate

Concen: 19.933 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Tgt Ion: 43 Resp: 75968

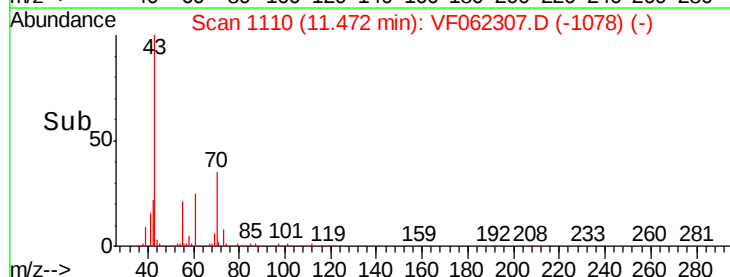
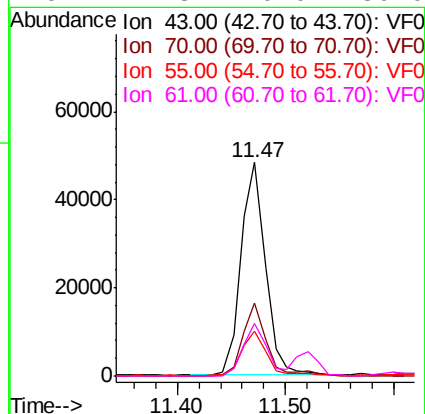
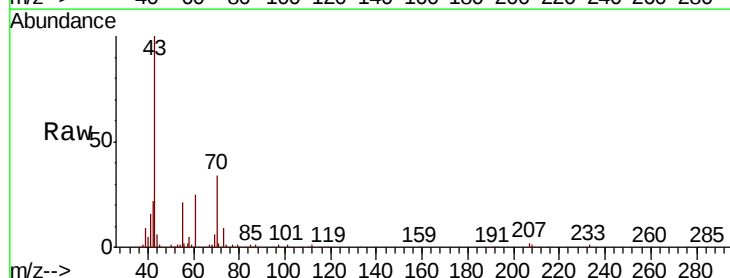
Ion Ratio Lower Upper

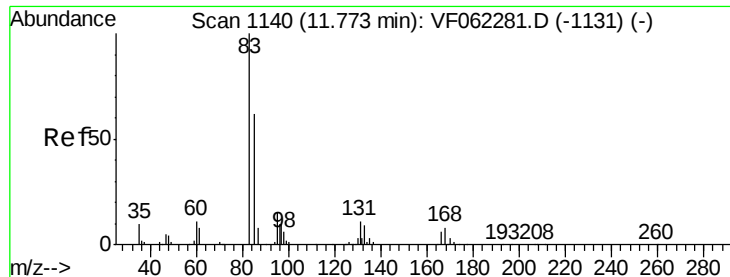
43 100

70 34.1 27.8 41.8

55 22.4 16.6 24.8

61 24.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.673 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

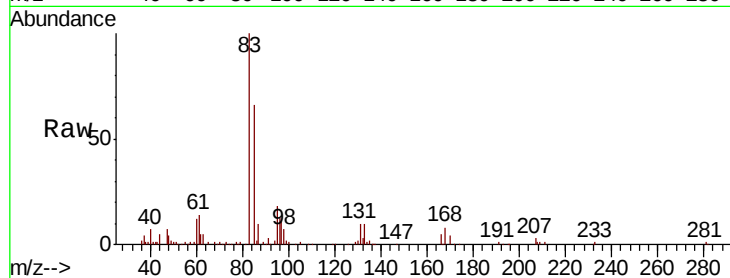
Tot Ion: 83 Resp: 51701

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.5

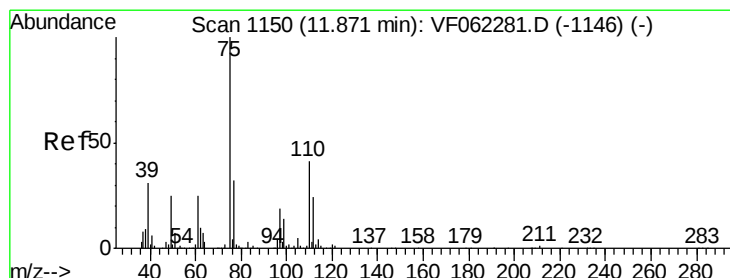
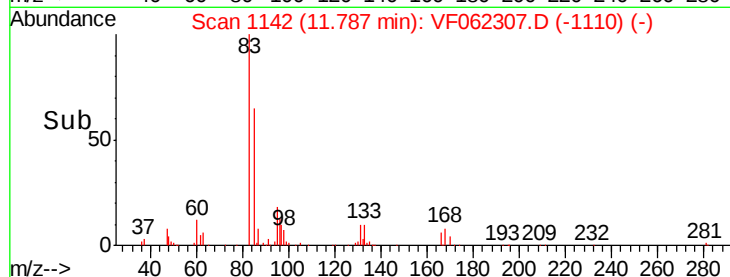
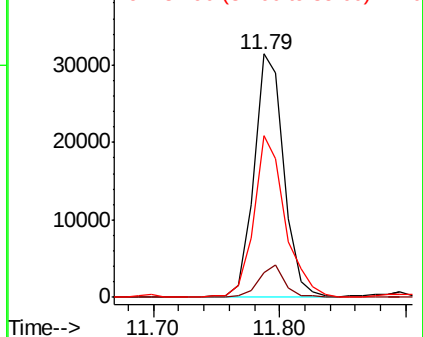
85 69.9 34.5 103.6



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.617 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF062307.D

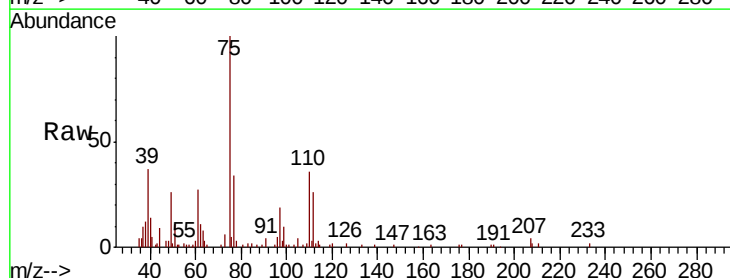
Acq: 26 Apr 2019 16:03

Tgt Ion: 75 Resp: 36577

Ion Ratio Lower Upper

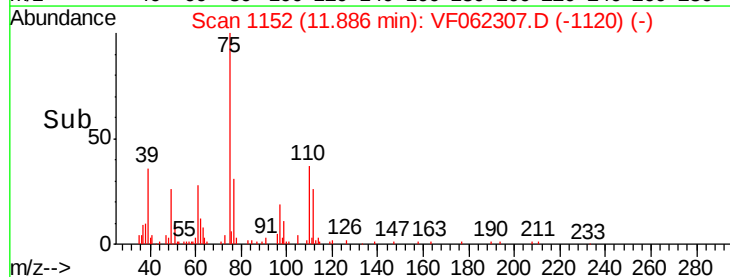
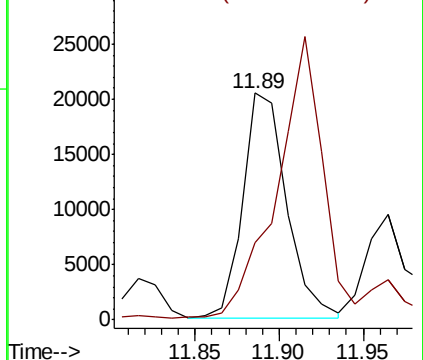
75 100

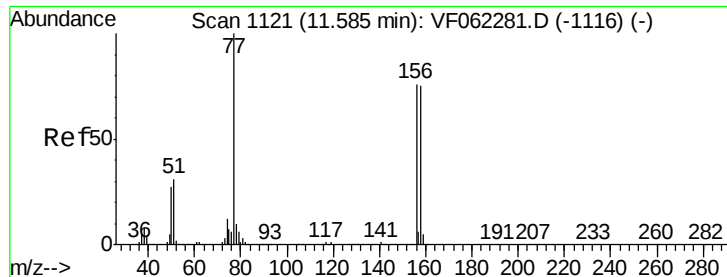
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

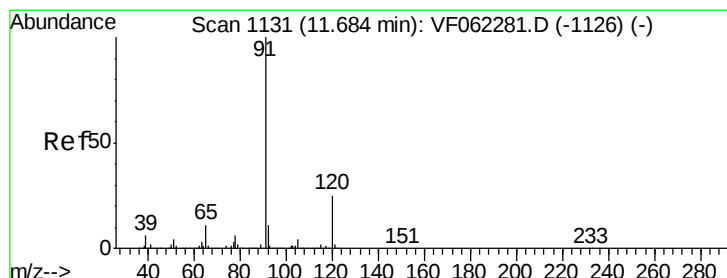
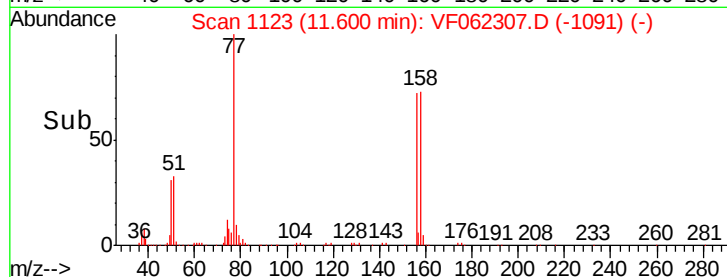
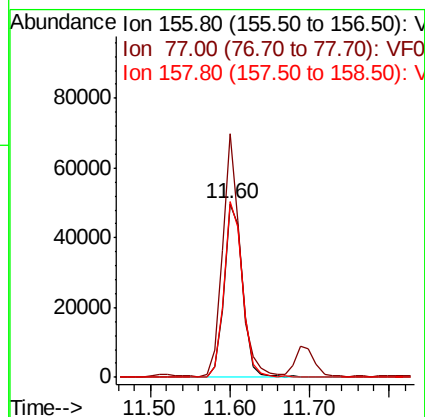
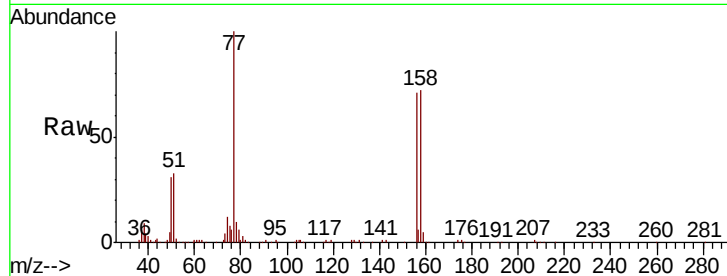




#77
Bromobenzene
Concen: 19.906 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.01 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

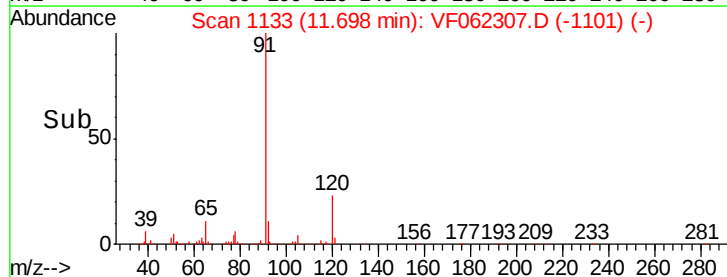
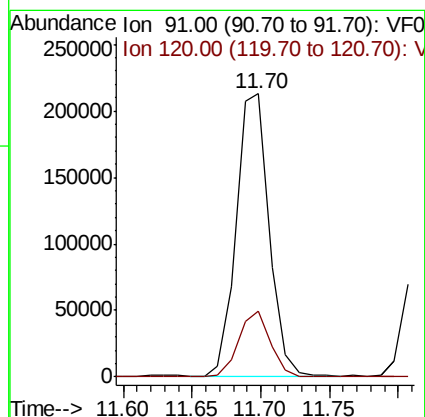
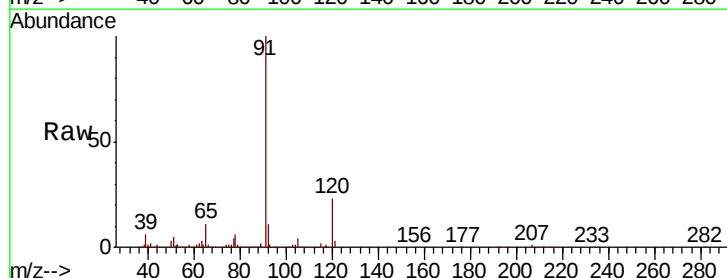
Instrument :
MSVOA_F
ClientSampleId :
VF0426SBS01

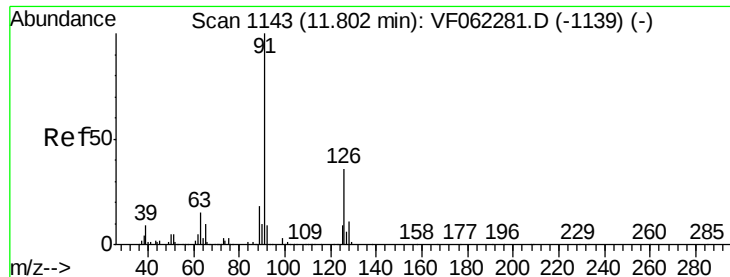
Tot Ion:156 Resp: 82315
Ion Ratio Lower Upper
156 100
77 132.0 67.3 201.9
158 100.8 49.5 148.5



#78
n-propylbenzene
Concen: 20.244 ug/l
RT: 11.70 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VF062307.D
Acq: 26 Apr 2019 16:03

Tgt Ion: 91 Resp: 352350
Ion Ratio Lower Upper
91 100
120 22.7 11.8 35.4





#79

2-Chlorotoluene

Concen: 20.616 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

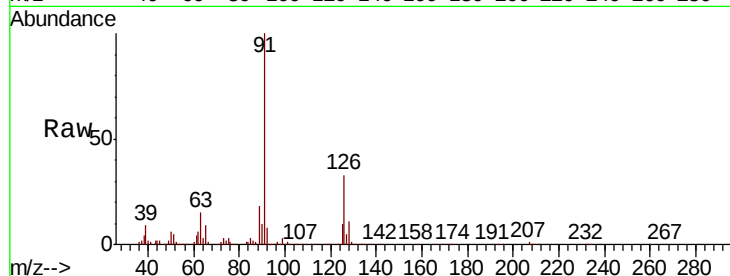
VF0426SBS01

Tot Ion: 91 Resp: 216134

Ion Ratio Lower Upper

91 100

126 34.5 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.82

150000

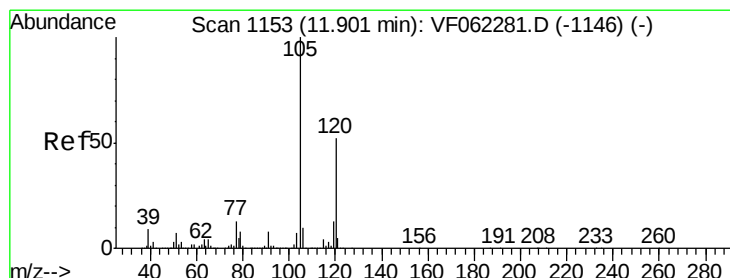
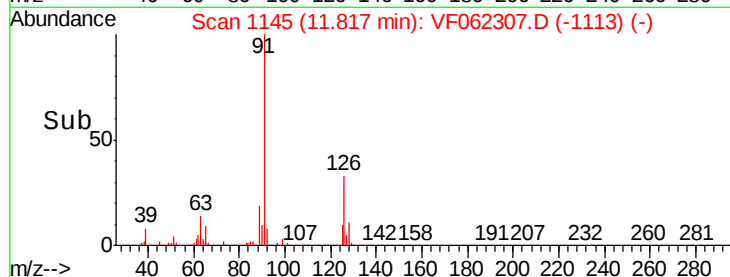
100000

50000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.041 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF062307.D

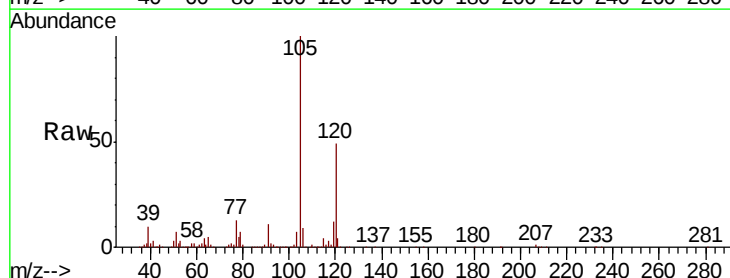
Acq: 26 Apr 2019 16:03

Tgt Ion:105 Resp: 293813

Ion Ratio Lower Upper

105 100

120 48.7 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.92

200000

150000

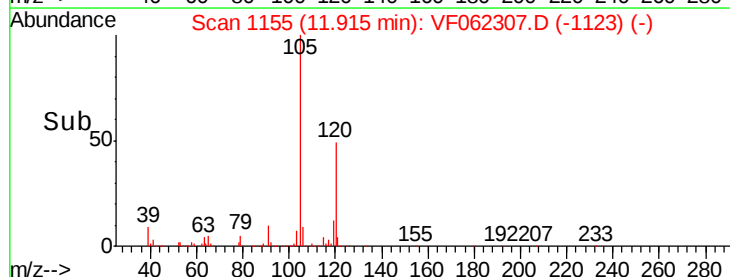
100000

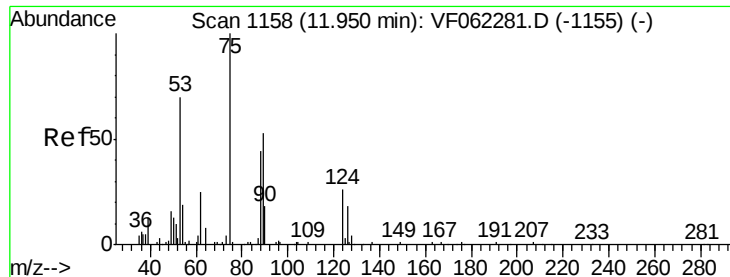
50000

0

11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 24.971 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

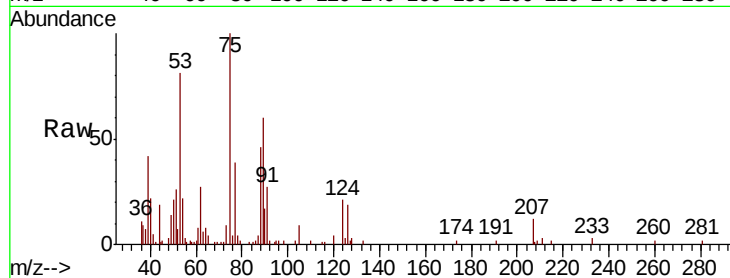
Tot Ion: 75 Resp: 20812

Ion Ratio Lower Upper

75 100

53 64.1 67.1 100.7#

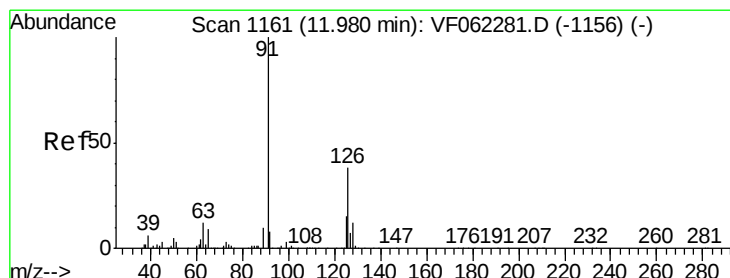
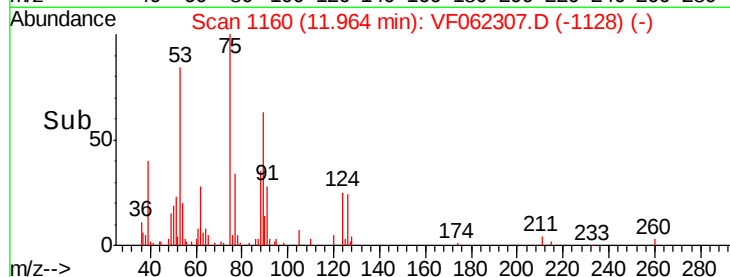
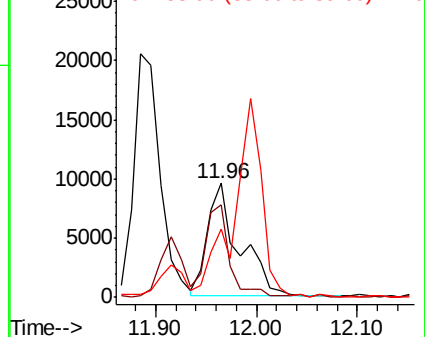
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 21.032 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. 0.01 min

Lab File: VF062307.D

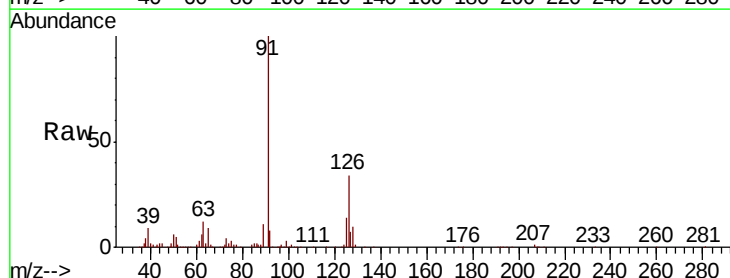
Acq: 26 Apr 2019 16:03

Tgt Ion: 91 Resp: 218181

Ion Ratio Lower Upper

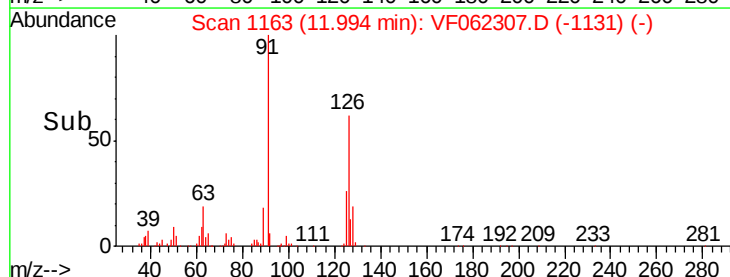
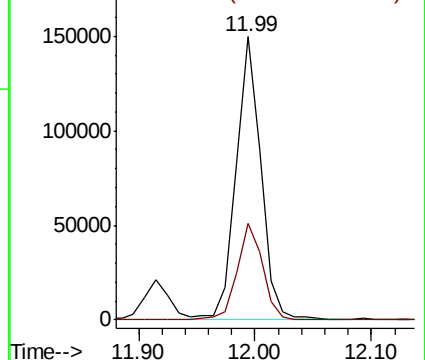
91 100

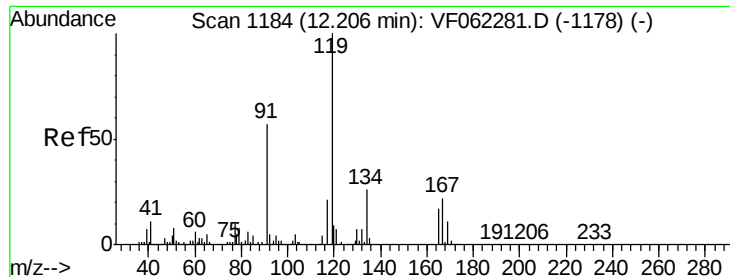
126 35.6 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.741 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

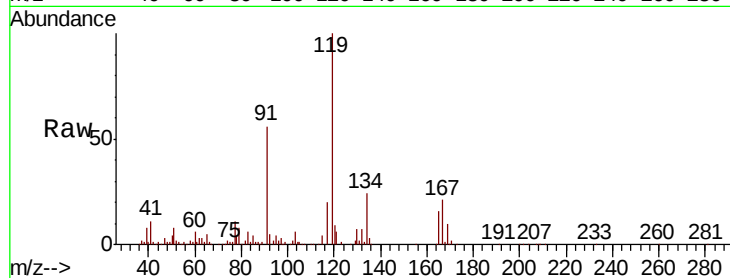
Tot Ion:119 Resp: 311567

Ion Ratio Lower Upper

119 100

91 58.4 29.4 88.2

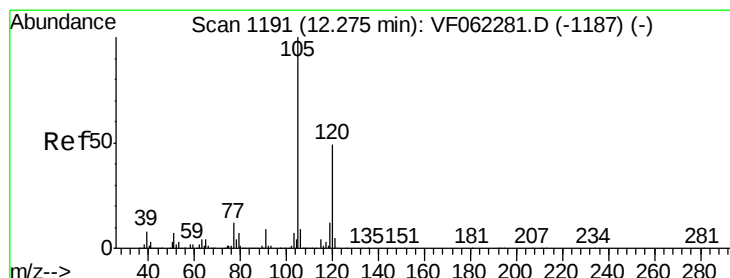
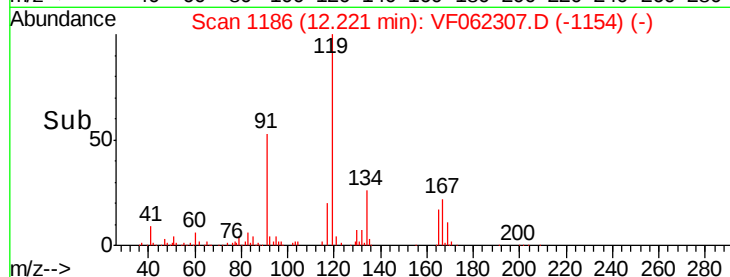
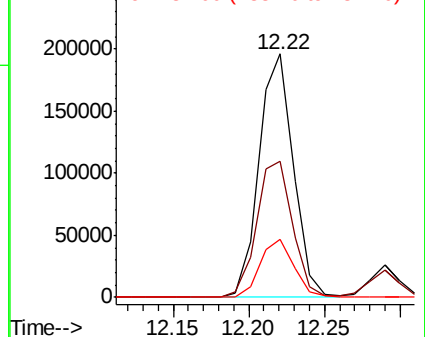
134 23.6 11.9 35.7



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: 21.379 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF062307.D

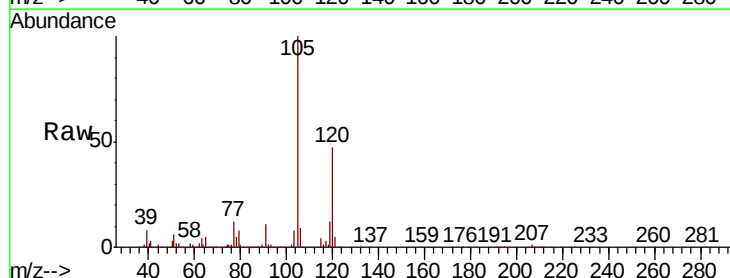
Acq: 26 Apr 2019 16:03

Tgt Ion:105 Resp: 289143

Ion Ratio Lower Upper

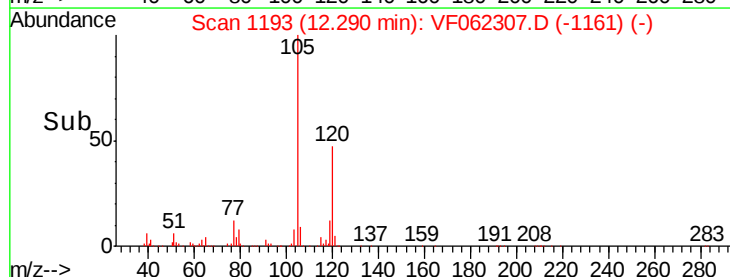
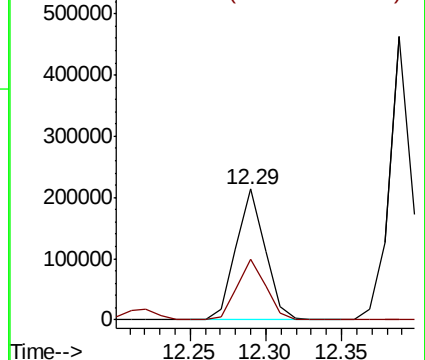
105 100

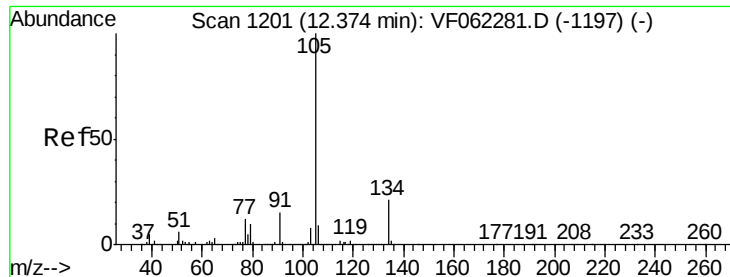
120 46.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

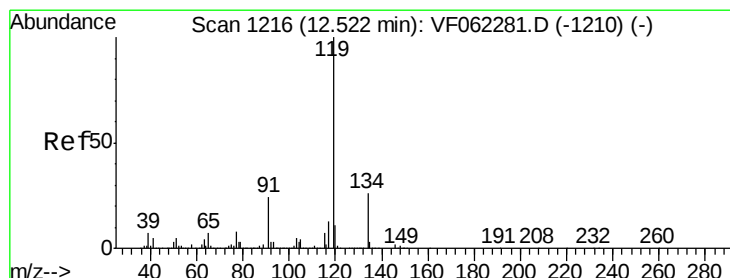
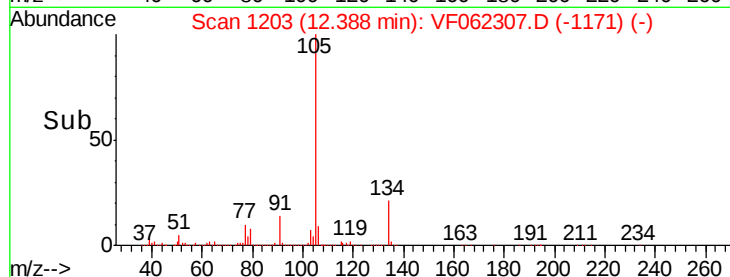
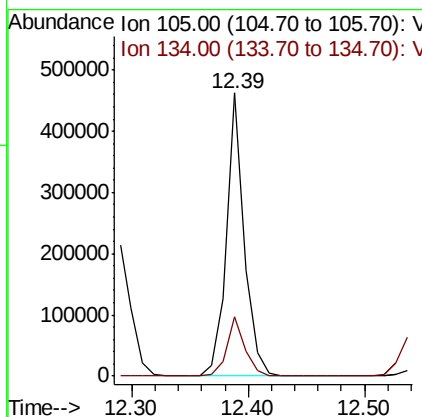
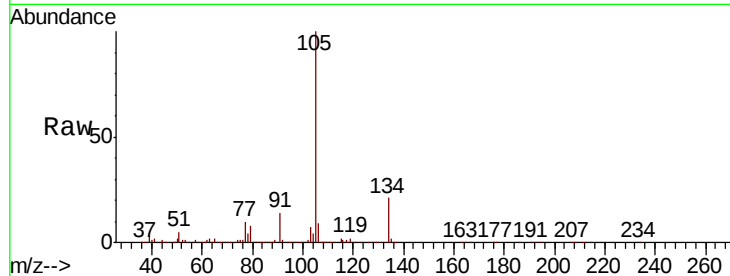




#85
 sec-Butylbenzene
 Concen: 27.417 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

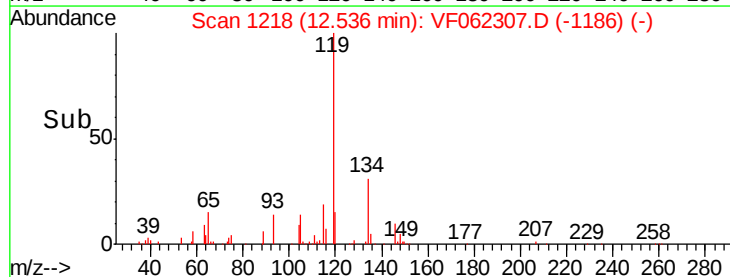
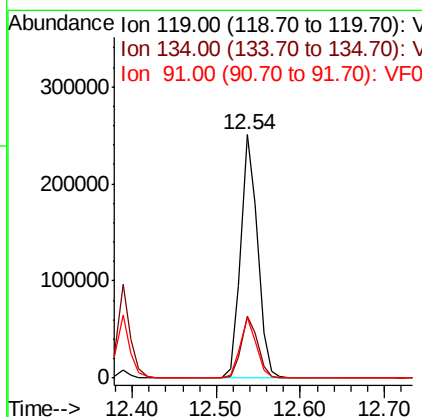
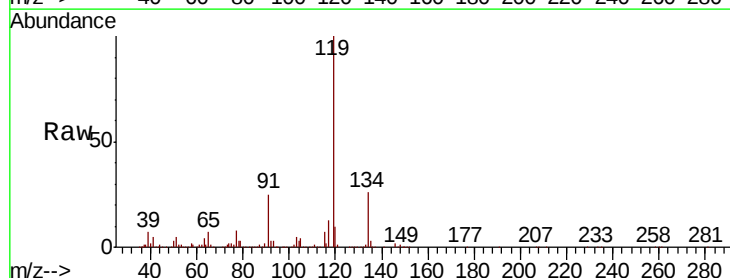
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

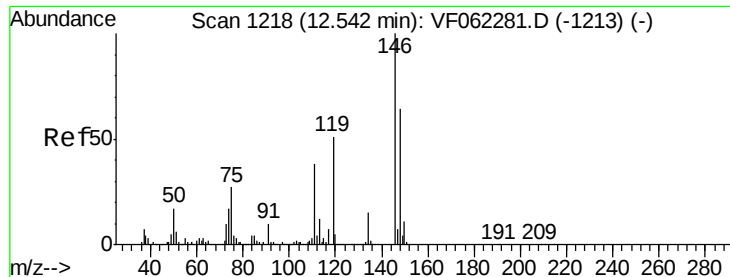
Tot Ion:105 Resp: 489380
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 21.868 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion:119 Resp: 349941
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.2 39.5
 91 23.6 11.6 34.7

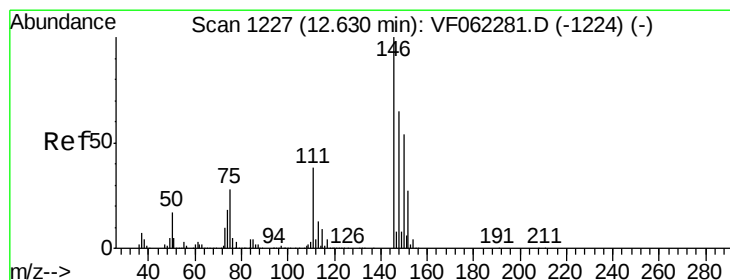
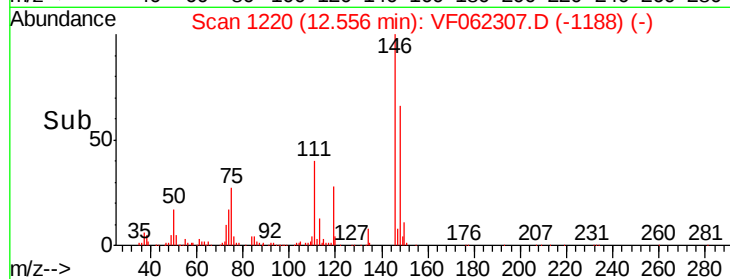
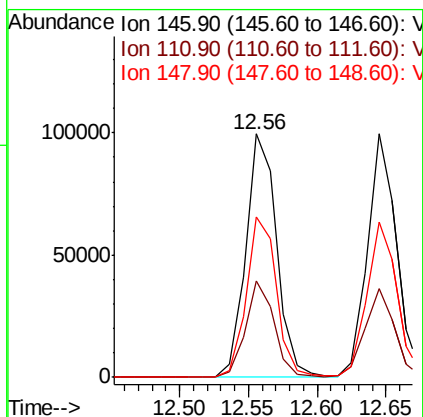
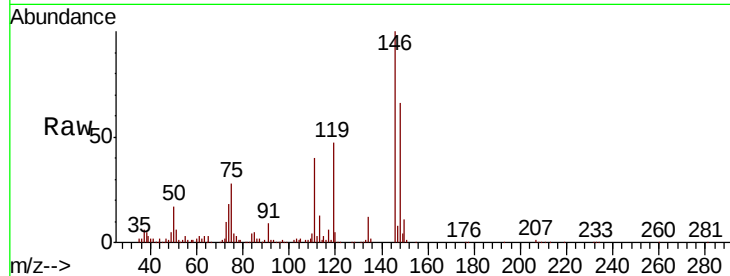




#87
 1,3-Dichlorobenzene
 Concen: 21.426 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

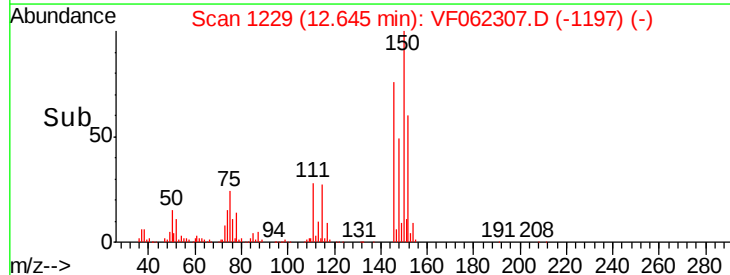
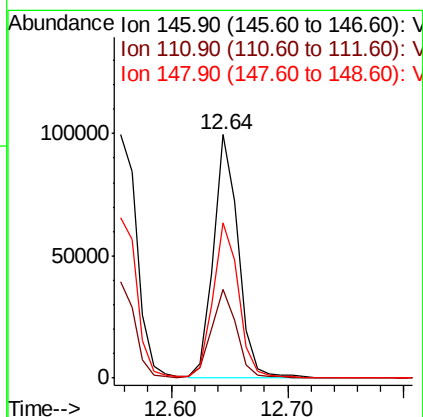
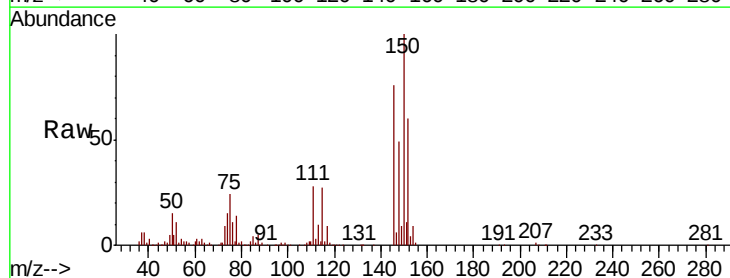
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

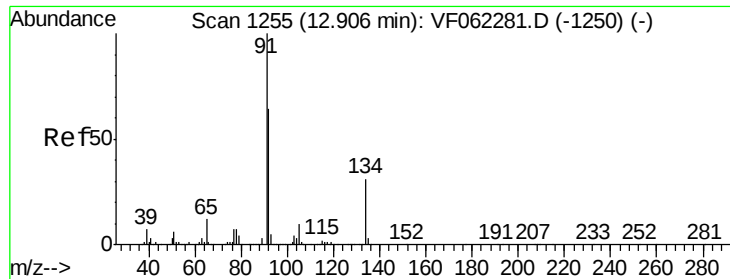
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.1	32.8	98.4



#88
 1,4-Dichlorobenzene
 Concen: 21.099 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	66.7	32.5	97.5





#89

n-Butylbenzene

Concen: 22.066 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

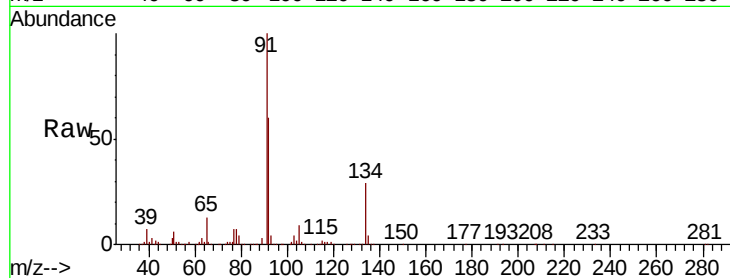
MSVOA_F

ClientSampleId :

VF0426SBS01

Tot Ion: 91 Resp: 320847

Ion	Ratio	Lower	Upper
91	100		
92	57.7	31.1	93.3
134	27.1	14.4	43.4

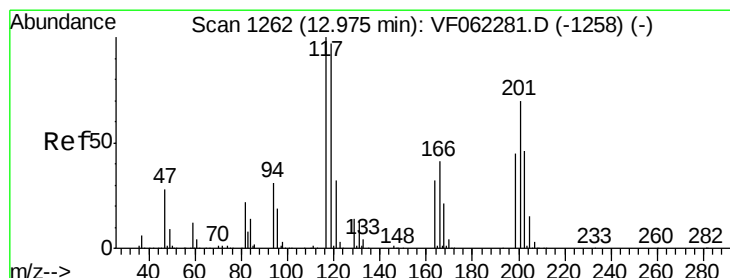
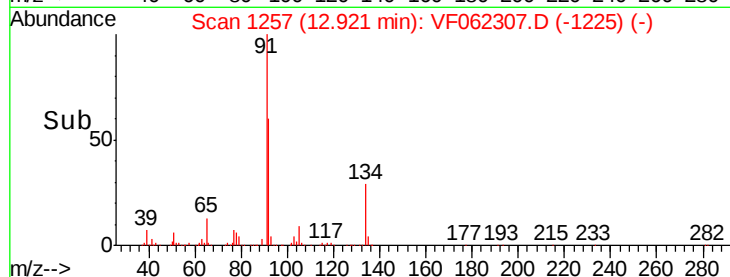
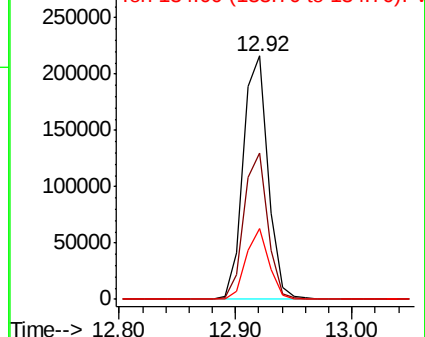


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.474 ug/l

RT: 12.99 min Scan# 1264

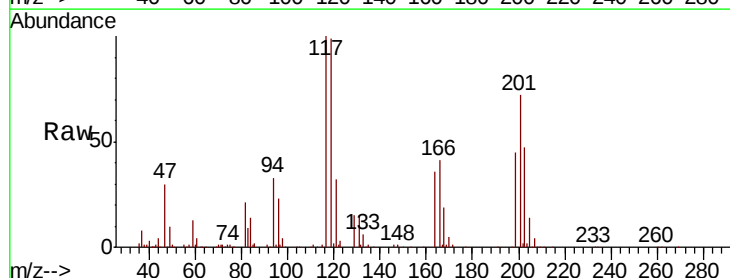
Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Tgt Ion: 117 Resp: 86139

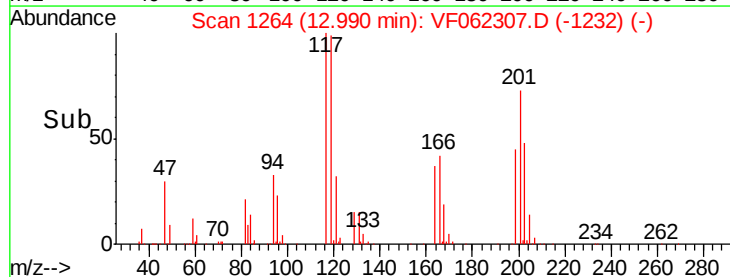
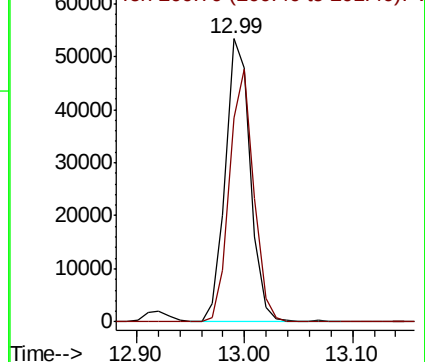
Ion	Ratio	Lower	Upper
117	100		
201	86.1	42.9	128.5

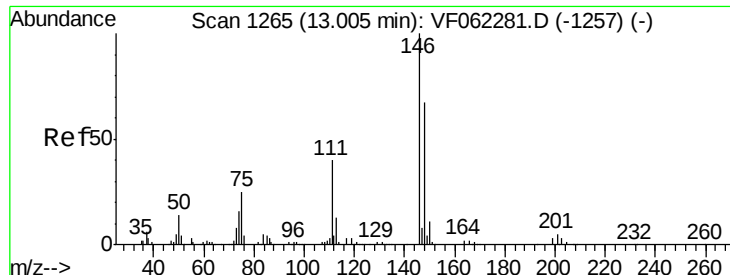


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

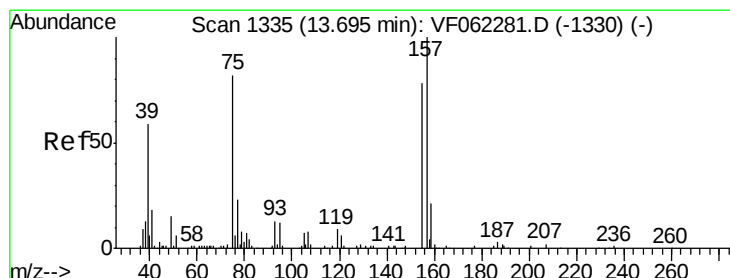
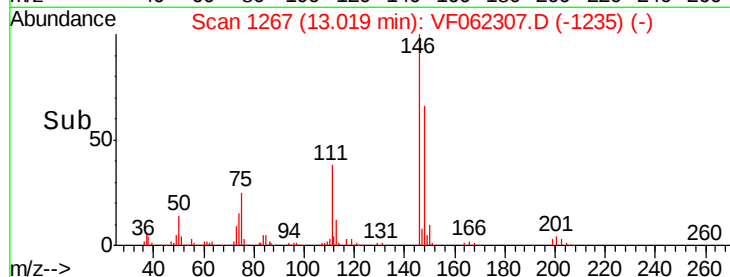
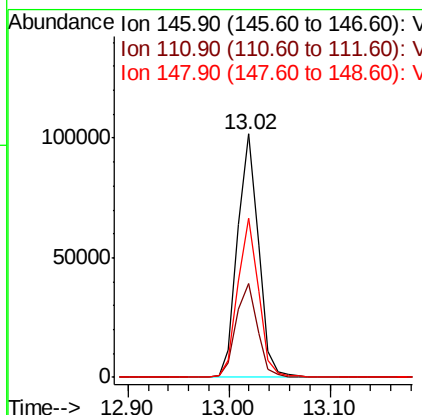
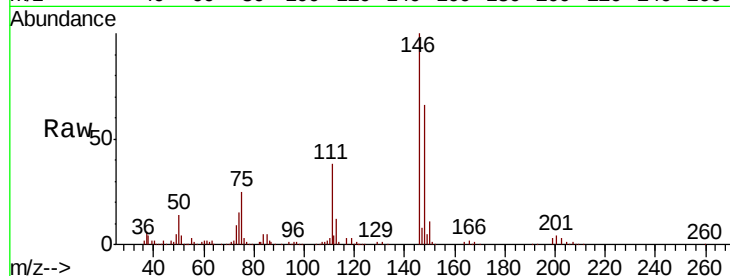




#91
 1,2-Dichlorobenzene
 Concen: 20.985 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

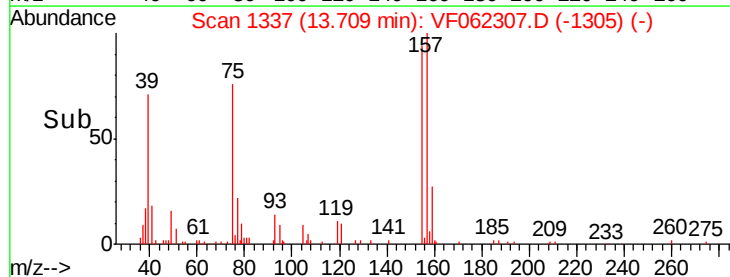
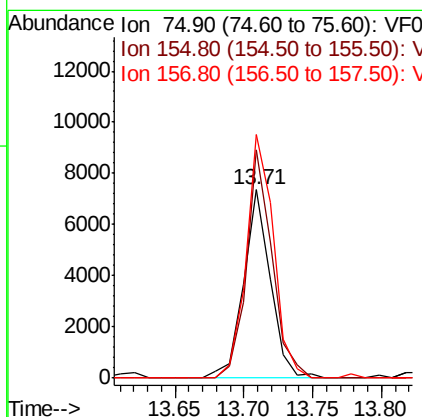
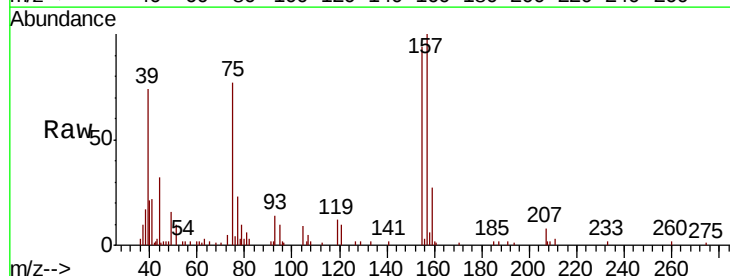
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

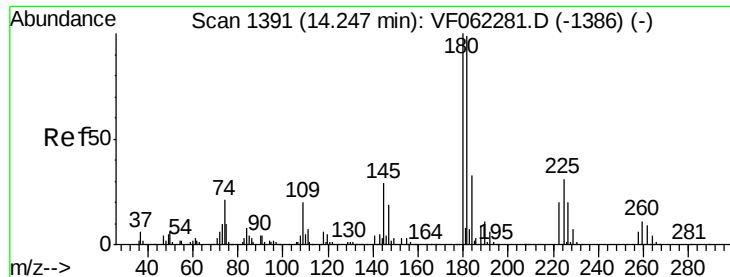
Tot Ion:146 Resp: 147363
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.0 59.9
 148 64.8 33.1 99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.855 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion: 75 Resp: 9996
 Ion Ratio Lower Upper
 75 100
 155 115.6 51.7 155.2
 157 131.4 64.5 193.5

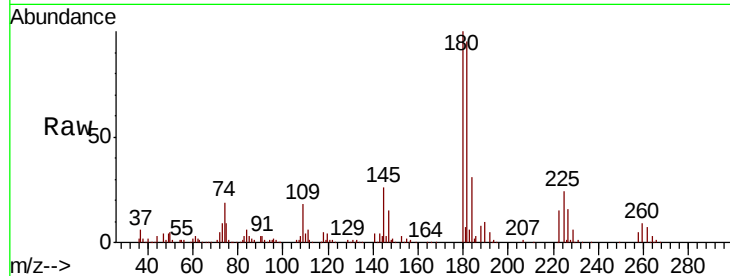




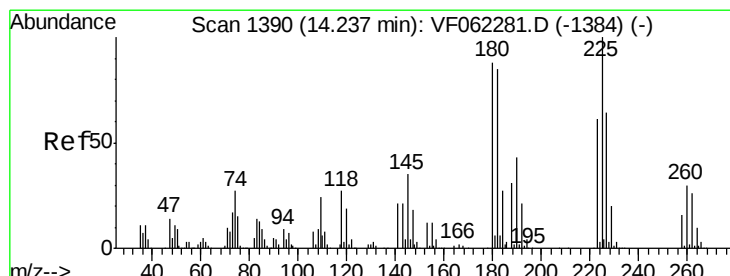
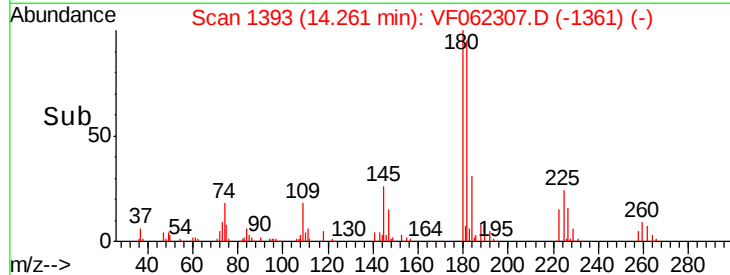
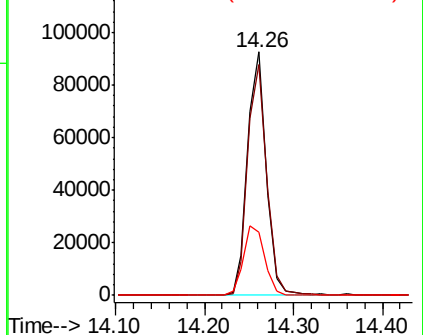
#93
 1,2,4-Trichlorobenzene
 Concen: 21.868 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0426SBS01

Tot Ion:180 Resp: 134908
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.5 145.6
 145 32.5 16.7 50.1

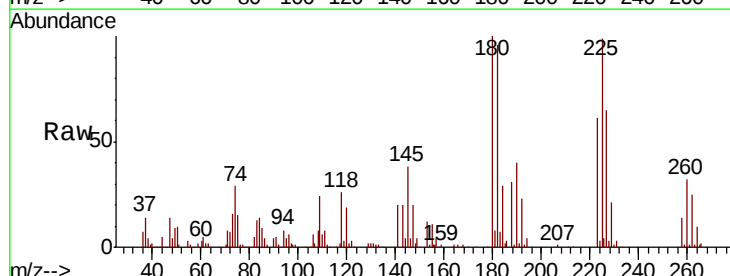


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

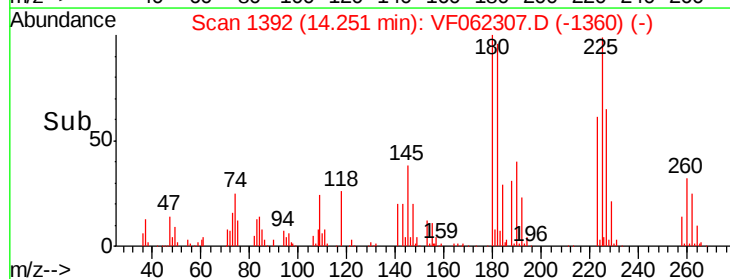
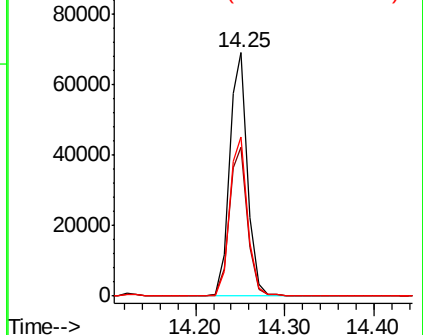


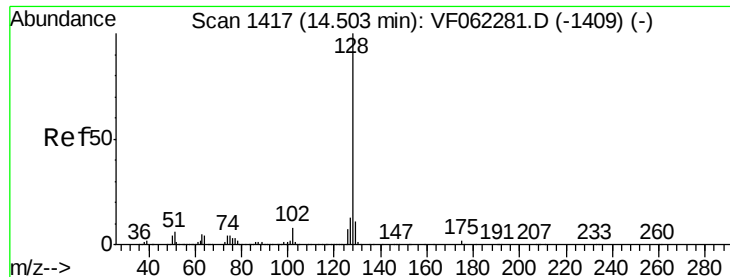
#94
 Hexachlorobutadiene
 Concen: 22.242 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062307.D
 Acq: 26 Apr 2019 16:03

Tgt Ion:225 Resp: 98684
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.8 92.3
 227 65.6 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: 20.168 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

Instrument :

MSVOA_F

ClientSampleId :

VF0426SBS01

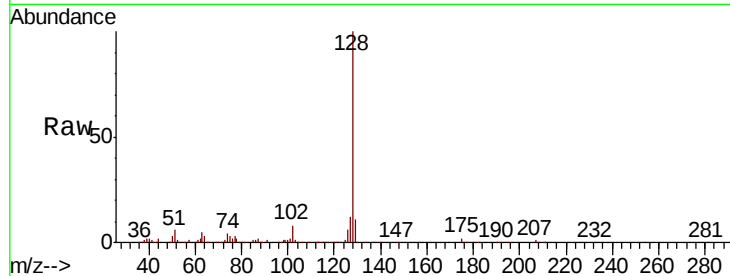
Tot Ion:128 Resp: 192758

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

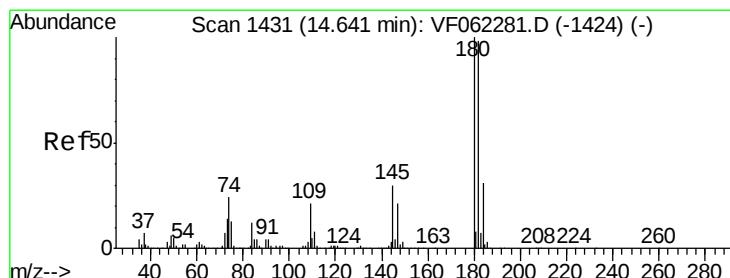
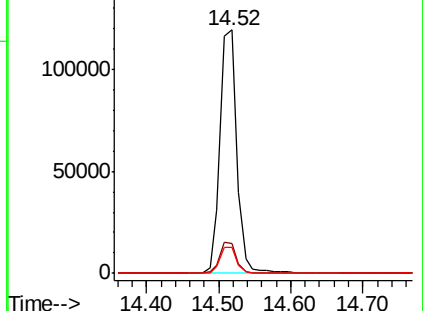
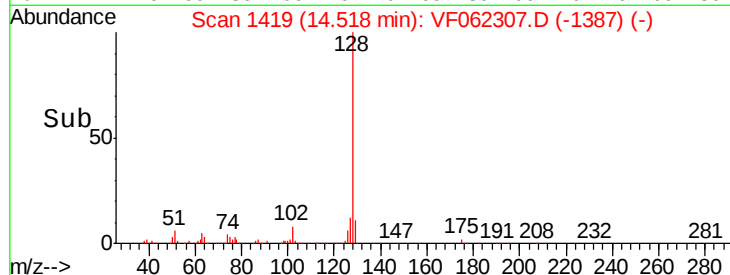
129 10.8 8.9 13.3



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: 22.096 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. 0.01 min

Lab File: VF062307.D

Acq: 26 Apr 2019 16:03

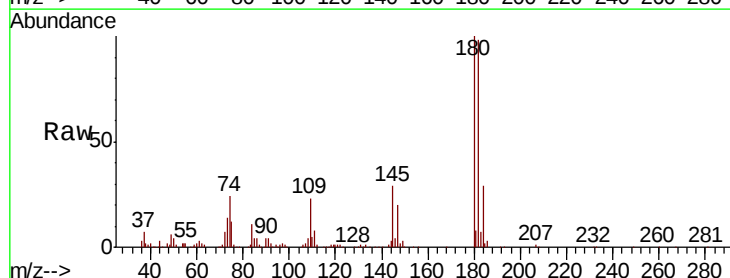
Tgt Ion:180 Resp: 128923

Ion Ratio Lower Upper

180 100

182 97.4 49.0 147.2

145 28.3 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

