

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062780.D
 Acq On : 29 May 2019 14:14
 Operator : FY/SY
 Sample : VF0529SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Quant Time: May 30 08:38:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.10	168	170422	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.82	114	586838	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.94	117	612714	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	328799	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.09	65	177886	147.71	ug/l	0.05
Spiked Amount	50.000		Recovery	=	295.42%	
35) Dibromofluoromethane	4.38	113	158369	35.27	ug/l	0.06
Spiked Amount	50.000		Recovery	=	70.54%	
50) Toluene-d8	7.74	98	562117	52.43	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.86%	
62) 4-Bromofluorobenzene	11.52	95	277422	68.22	ug/l	0.01
Spiked Amount	50.000		Recovery	=	136.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.09	85	57145	24.640	ug/l	100
3) Chloromethane	1.20	50	43188	20.224	ug/l	88
4) Vinyl Chloride	1.26	62	46177	23.492	ug/l	91
5) Bromomethane	1.42	94	44943	41.794	ug/l	83
6) Chloroethane	1.48	64	21640	29.975	ug/l #	72
7) Trichlorofluoromethane	1.60	101	84272	31.929	ug/l	95
8) Diethyl Ether	1.76	74	27201	52.022	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.97	101	50702	30.169	ug/l	89
10) Methyl Iodide	2.01	142	132377	40.097	ug/l	95
11) Tert butyl alcohol	2.68	59	1649	20.740	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	40043	26.156	ug/l	98
13) Acrolein	2.15	56	21725	261.763	ug/l	92
14) Allyl chloride	2.26	41	63106	45.544	ug/l	90
15) Acrylonitrile	3.17	53	65806	293.413	ug/l #	95
16) Acetone	2.41	43	121454	388.739	ug/l #	85
17) Carbon Disulfide	1.93	76	131114	28.895	ug/l	96
18) Methyl Acetate	2.53	43	33739	68.720	ug/l	98
19) Methyl tert-butyl Ether	2.64	73	166151	60.710	ug/l	92
20) Methylene Chloride	2.35	84	72118	46.051	ug/l #	87
21) trans-1,2-Dichloroethene	2.49	96	45052	30.107	ug/l	87
22) Diisopropyl ether	3.01	45	157107	45.973	ug/l #	88
23) Vinyl Acetate	3.42	43	511692	221.964	ug/l #	93
24) 1,1-Dichloroethane	3.08	63	94080	37.527	ug/l	97
25) 2-Butanone	4.62	43	125712	188.331	ug/l	94
26) 2,2-Dichloropropane	3.87	77	84829	59.138	ug/l	75
27) cis-1,2-Dichloroethene	3.72	96	56312	22.878	ug/l	98
28) Bromochloromethane	3.97	49	39206	27.884	ug/l	98
29) Tetrahydrofuran	4.36	42	58552	216.766	ug/l	97
30) Chloroform	4.14	83	123331	35.432	ug/l	98
31) Cyclohexane	3.96	56	45713	13.580	ug/l #	76
32) 1,1,1-Trichloroethane	4.37	97	89036	38.517	ug/l	92
36) 1,1-Dichloropropene	4.53	75	62426	10.381	ug/l	85
37) Ethyl Acetate	4.39	43	66168	26.950	ug/l #	46
38) Carbon Tetrachloride	4.26	117	74587	16.493	ug/l	98

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 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

Quant Time: May 30 08:38:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.68	83	51702	7.146	ug/l #	80
40) Benzene	4.87	78	154940	9.458	ug/l	96
41) Methacrylonitrile	5.00	41	28539	22.171	ug/l #	75
42) 1,2-Dichloroethane	5.19	62	105888	32.413	ug/l	87
43) Isopropyl Acetate	7.18	43	150236	47.231	ug/l	96
44) Trichloroethene	5.72	130	52566	11.417	ug/l	87
45) 1,2-Dichloropropane	6.46	63	117108	28.319	ug/l	89
46) Dibromomethane	6.30	93	86252	36.090	ug/l	84
47) Bromodichloromethane	6.60	83	144979	29.221	ug/l	96
48) Methyl methacrylate	6.94	41	76316	45.902	ug/l	98
49) 1,4-Dioxane	6.96	88	20918	982.337	ug/l #	82
51) 4-Methyl-2-Pentanone	8.45	43	520368	239.334	ug/l	97
52) Toluene	7.81	92	209294	24.361	ug/l	83
53) t-1,3-Dichloropropene	8.46	75	156096	38.456	ug/l	97
54) cis-1,3-Dichloropropene	7.50	75	181444	31.933	ug/l	94
55) 1,1,2-Trichloroethane	8.67	97	108080	42.488	ug/l	94
56) Ethyl methacrylate	8.80	69	134874	44.504	ug/l	94
57) 1,3-Dichloropropane	9.03	76	181691	41.934	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.50	63	258231	261.775	ug/l	99
59) 2-Hexanone	9.67	43	409101	292.213	ug/l	98
60) Dibromochloromethane	8.90	129	126809	38.249	ug/l	90
61) 1,2-Dibromoethane	9.17	107	116220	43.014	ug/l	100
64) Tetrachloroethene	8.33	164	69344	14.286	ug/l	99
65) Chlorobenzene	9.96	112	275322	22.878	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.09	131	108440	22.446	ug/l	94
67) Ethyl Benzene	10.06	91	403297	19.291	ug/l	96
68) m/p-Xylenes	10.29	106	292819	37.266	ug/l	82
69) o-Xylene	10.84	106	151962	18.776	ug/l	91
70) Styrene	10.92	104	270382	21.980	ug/l	95
71) Bromoform	10.90	173	84651	34.985	ug/l #	99
73) Isopropylbenzene	11.23	105	356561	15.131	ug/l	94
74) N-amyl acetate	11.47	43	199674	31.281	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	151152	31.386	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	98591	31.157	ug/l	98
77) Bromobenzene	11.60	156	120100	20.503	ug/l	89
78) n-propylbenzene	11.70	91	447622	16.050	ug/l	92
79) 2-Chlorotoluene	11.81	91	274010	17.434	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	289856	15.340	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	55256	39.284	ug/l	98
82) 4-Chlorotoluene	11.99	91	282601	18.233	ug/l	96
83) tert-Butylbenzene	12.22	119	290595	15.158	ug/l	89
84) 1,2,4-Trimethylbenzene	12.29	105	321033	17.554	ug/l	93
85) sec-Butylbenzene	12.39	105	370886	14.416	ug/l	93
86) p-Isopropyltoluene	12.53	119	328961	15.172	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	211292	19.937	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	216251	21.744	ug/l	99
89) n-Butylbenzene	12.92	91	332317	15.545	ug/l	87
90) Hexachloroethane	12.99	117	81426	15.655	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	203945	21.589	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17942	31.229	ug/l	94

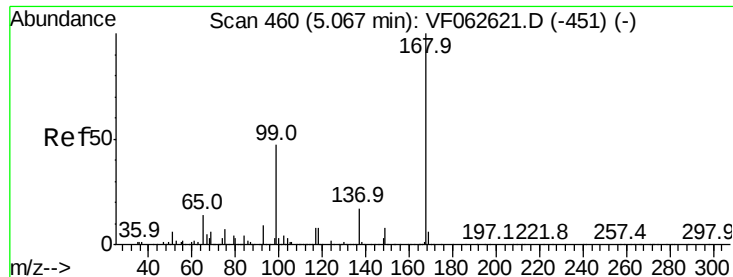
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
Data File : VF062780.D
Acq On : 29 May 2019 14:14
Operator : FY/SY
Sample : VF0529SBS01
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Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Quant Time: May 30 08:38:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	153537	22.706	ug/l	98
94) Hexachlorobutadiene	14.25	225	68852	14.590	ug/l	97
95) Naphthalene	14.51	128	314459	25.598	ug/l	97
96) 1,2,3-Trichlorobenzene	14.65	180	153211	23.921	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.10 min Scan# 463

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

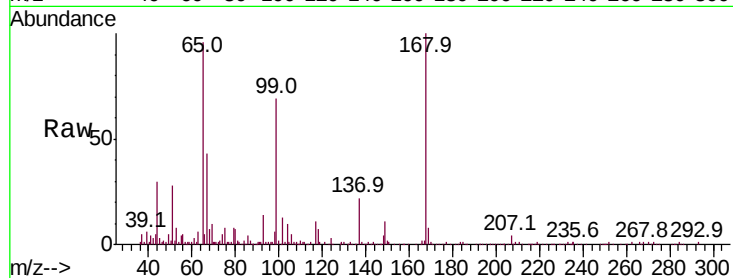
VF0529SBS02

Tot Ion:168 Resp: 170422

Ion Ratio Lower Upper

168 100

99 69.4 37.8 56.8#



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.10

60000

50000

40000

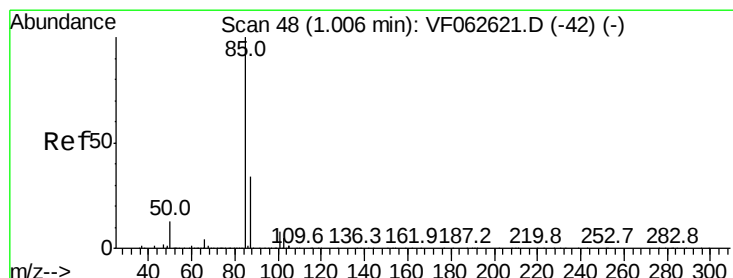
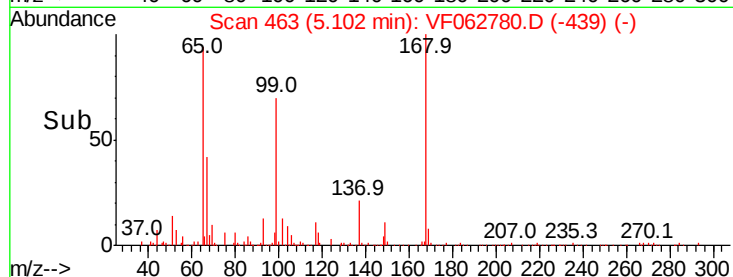
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.640 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.08 min

Lab File: VF062780.D

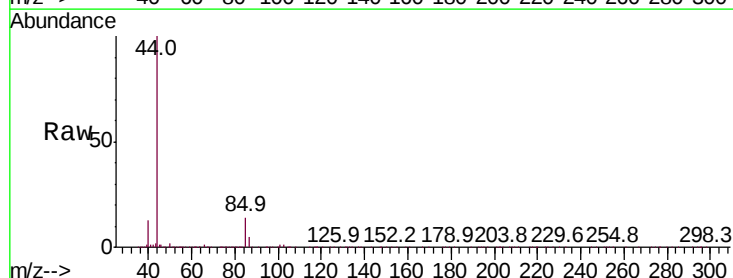
Acq: 29 May 2019 14:14

Tgt Ion: 85 Resp: 57145

Ion Ratio Lower Upper

85 100

87 33.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.09

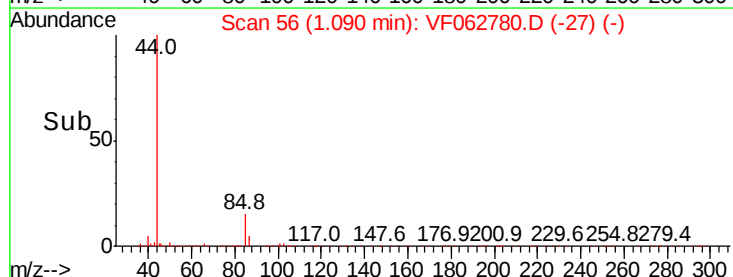
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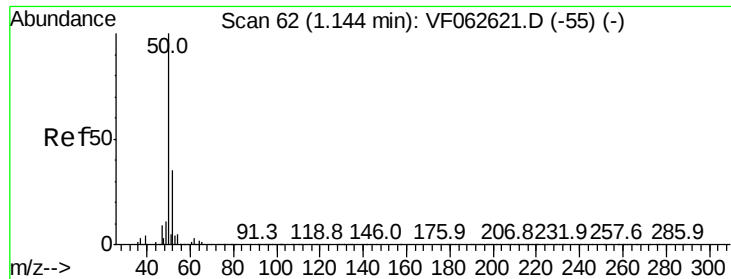
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.224 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.05 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

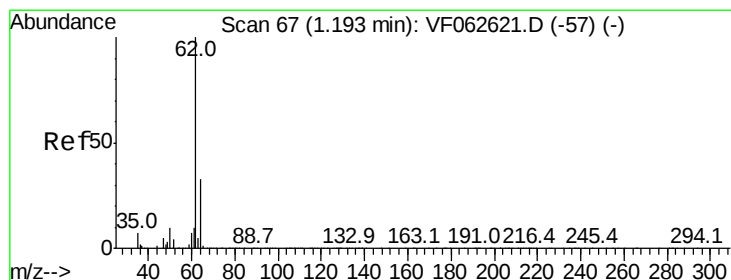
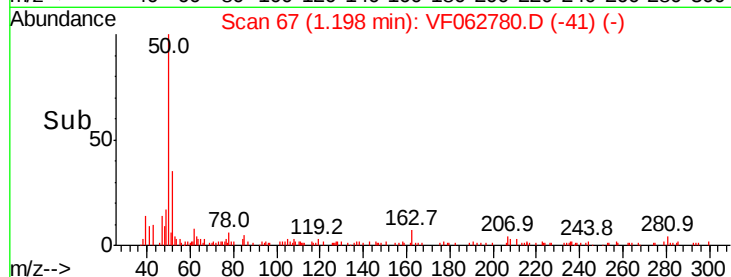
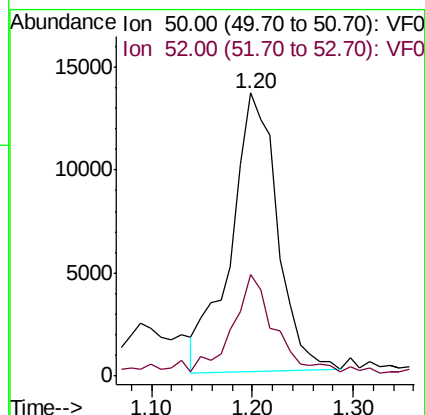
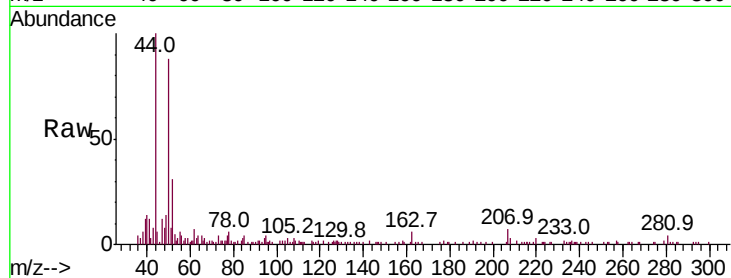
VF0529SBS02

Tot Ion: 50 Resp: 43188

Ion Ratio Lower Upper

50 100

52 41.1 27.5 41.3



#4

Vinyl Chloride

Concen: 23.492 ug/l

RT: 1.26 min Scan# 73

Delta R.T. 0.06 min

Lab File: VF062780.D

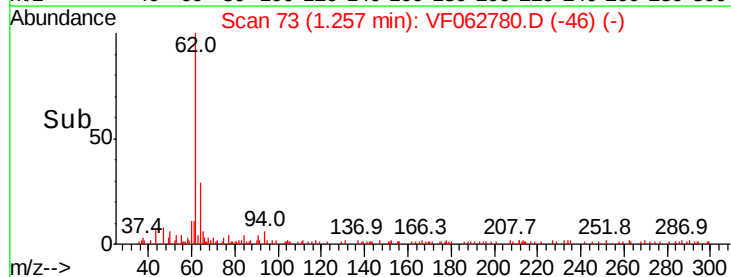
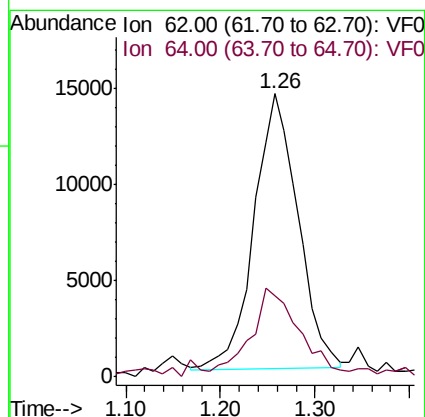
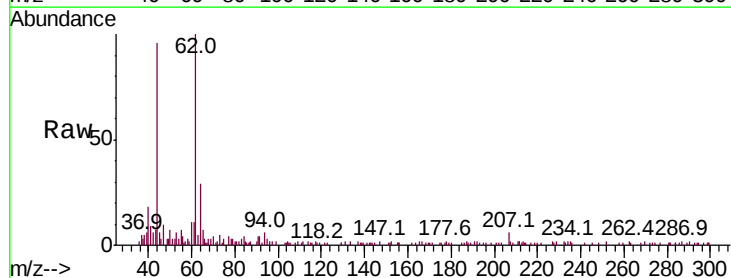
Acq: 29 May 2019 14:14

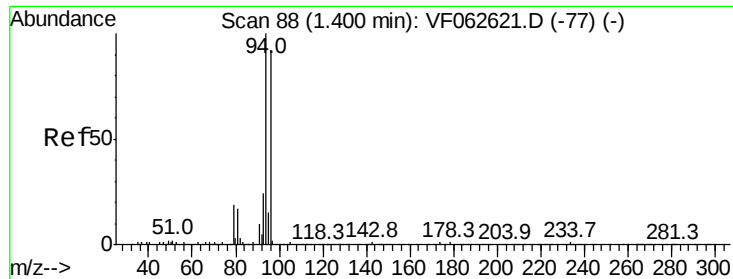
Tgt Ion: 62 Resp: 46177

Ion Ratio Lower Upper

62 100

64 28.5 26.7 40.1





#5

Bromomethane

Concen: 41.794 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

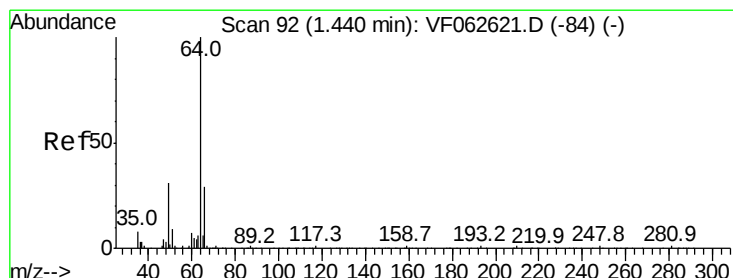
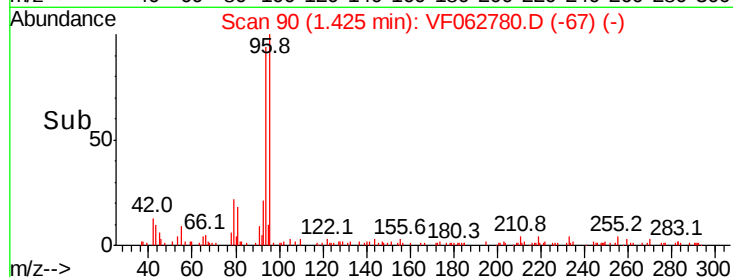
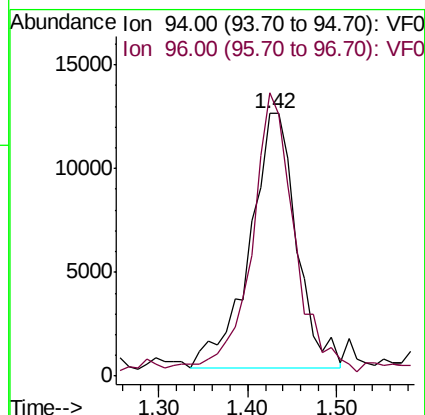
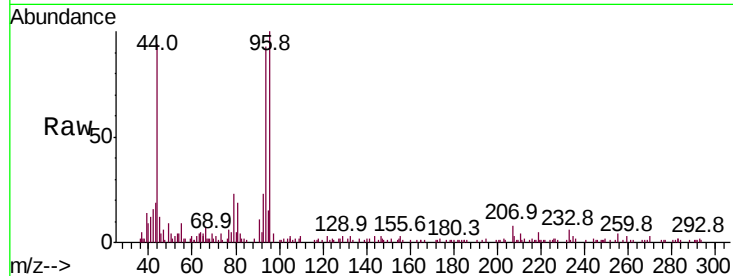
VF0529SBS02

Tot Ion: 94 Resp: 44943

Ion Ratio Lower Upper

94 100

96 107.9 73.2 109.8



#6

Chloroethane

Concen: 29.975 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.04 min

Lab File: VF062780.D

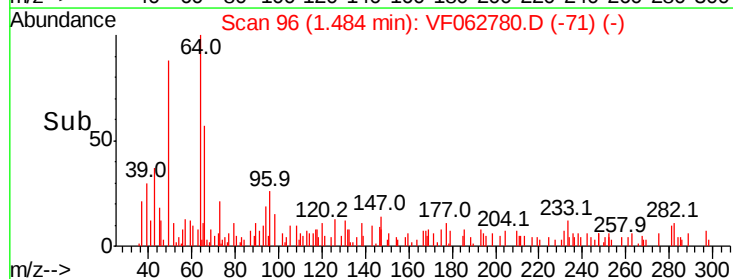
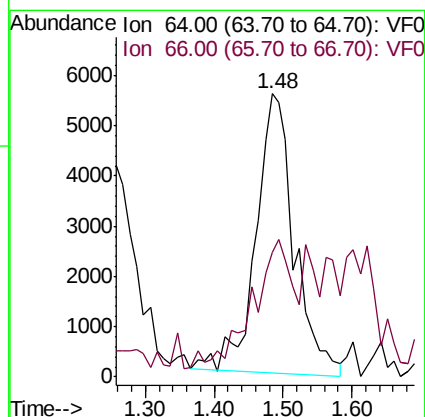
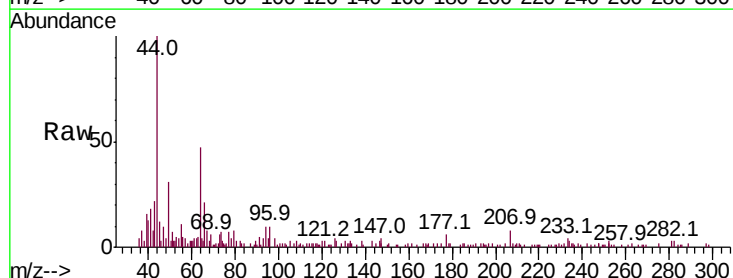
Acq: 29 May 2019 14:14

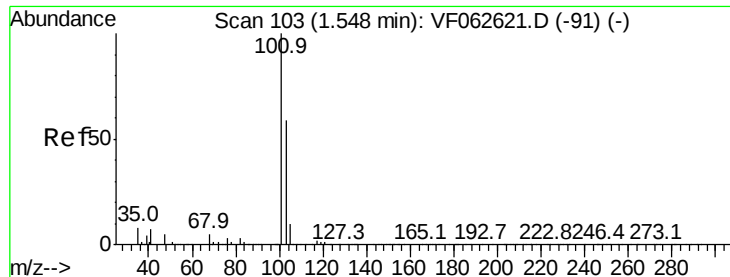
Tgt Ion: 64 Resp: 21640

Ion Ratio Lower Upper

64 100

66 44.2 23.4 35.2#



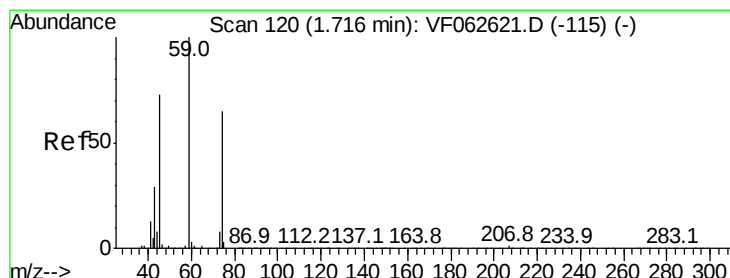
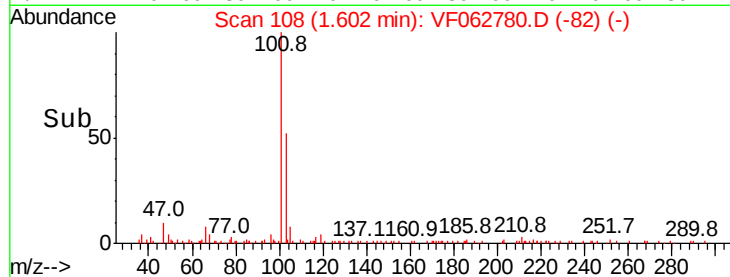
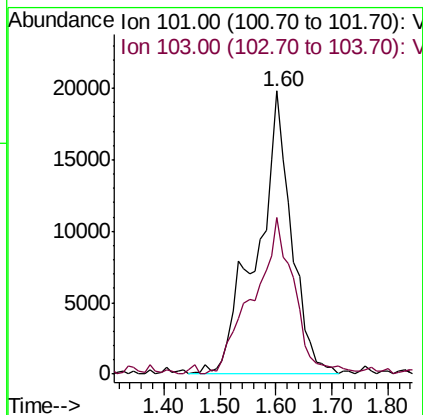
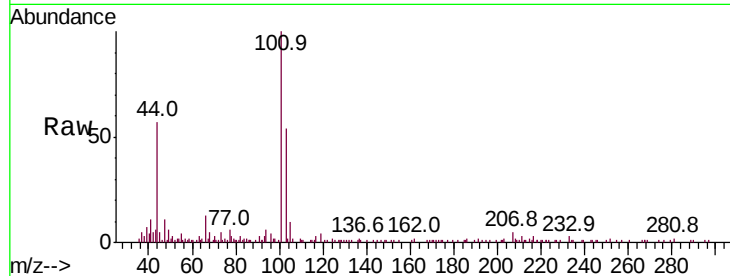


#7

Trichlorofluoromethane
Concen: 31.929 ug/l
RT: 1.60 min Scan# 108
Delta R.T. 0.05 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

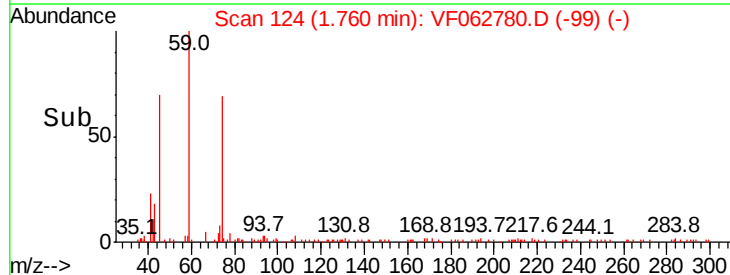
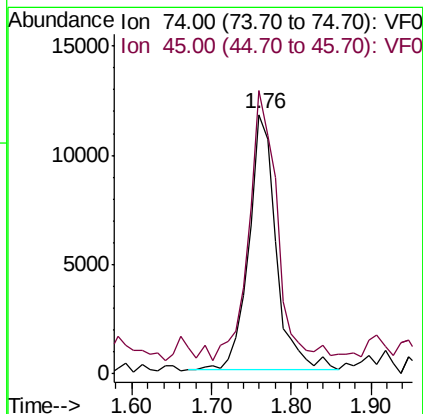
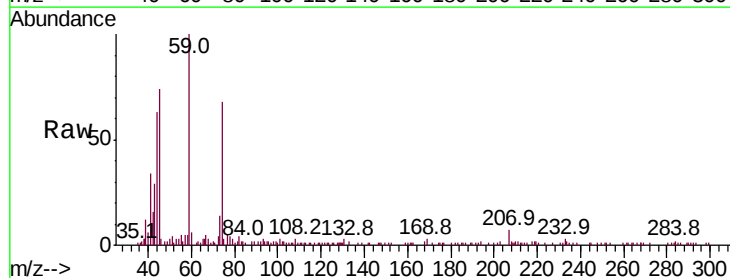
Tot Ion:101 Resp: 84272
Ion Ratio Lower Upper
101 100
103 55.4 47.3 70.9

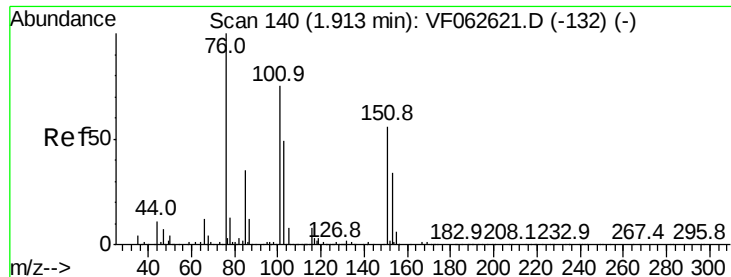


#8

Diethyl Ether
Concen: 52.022 ug/l
RT: 1.76 min Scan# 124
Delta R.T. 0.04 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 74 Resp: 27201
Ion Ratio Lower Upper
74 100
45 109.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.169 ug/l

RT: 1.97 min Scan# 145

Delta R.T. 0.05 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

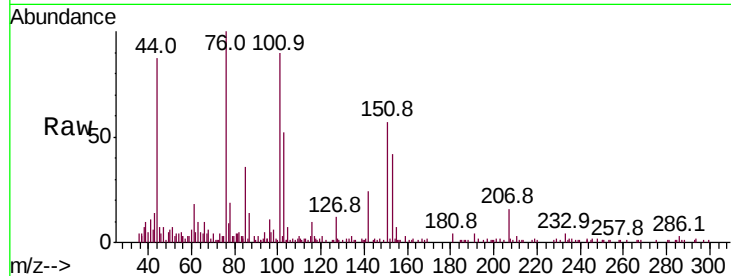
Tot Ion:101 Resp: 50702

Ion Ratio Lower Upper

101 100

85 40.1 37.1 55.7

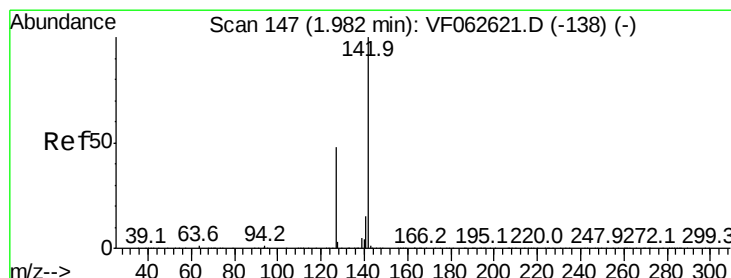
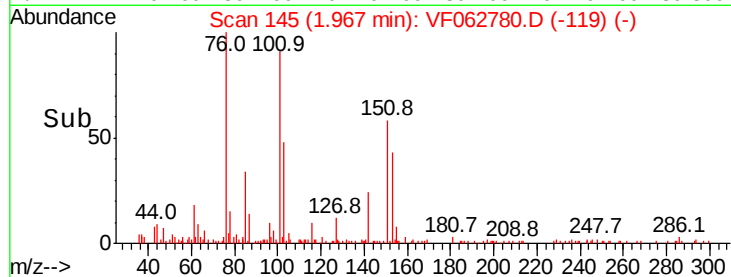
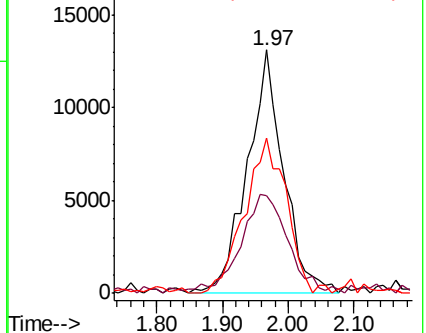
151 63.7 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 40.097 ug/l

RT: 2.01 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

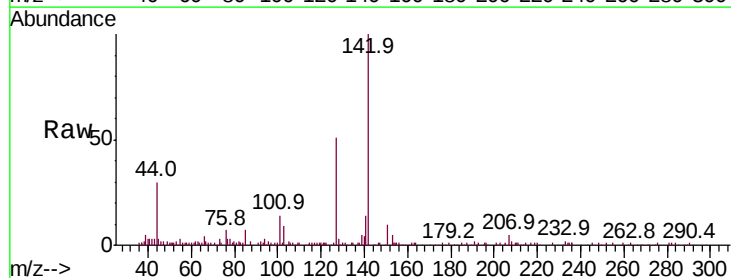
Tgt Ion:142 Resp: 132377

Ion Ratio Lower Upper

142 100

127 51.4 38.1 57.1

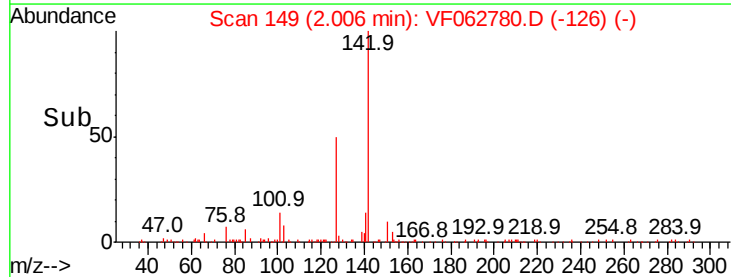
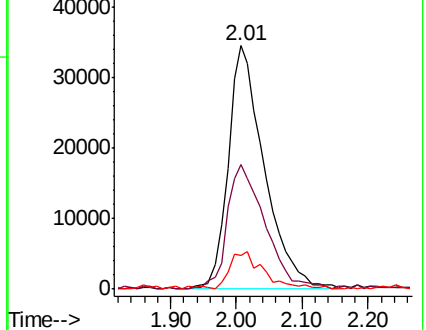
141 14.0 11.7 17.5

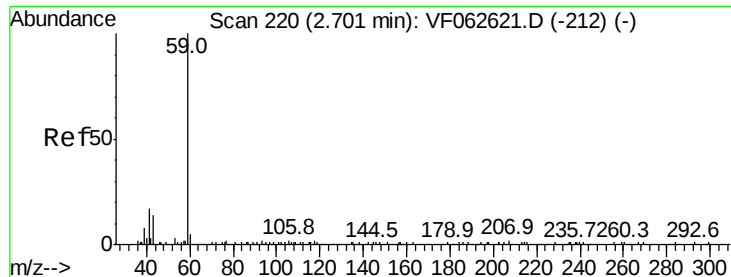


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



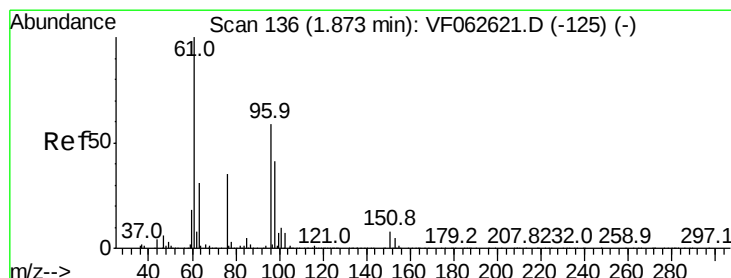
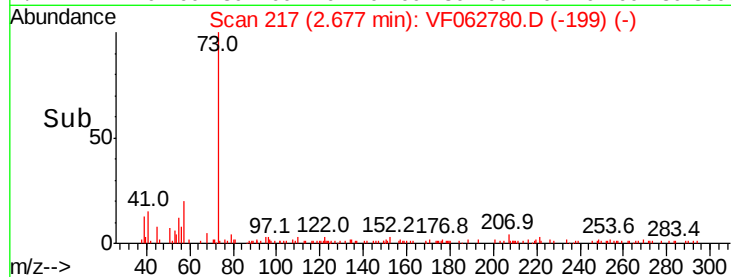
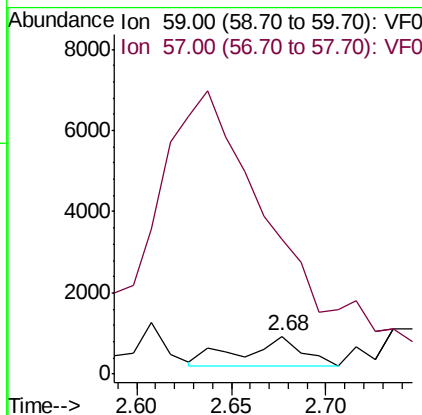
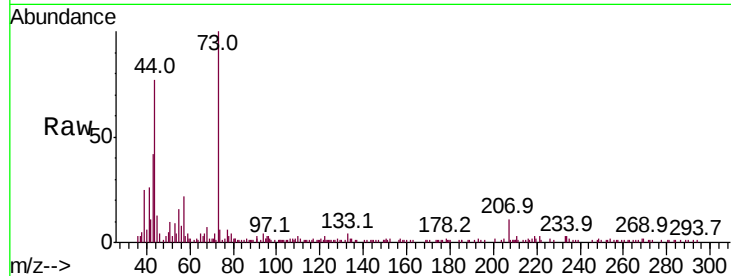


#11

Tert butyl alcohol
 Concen: 20.740 ug/l
 RT: 2.68 min Scan# 217
 Delta R.T. -0.02 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

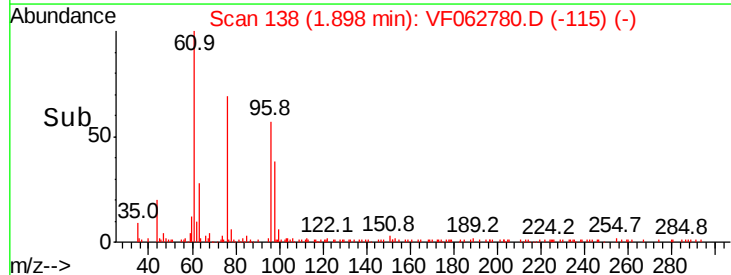
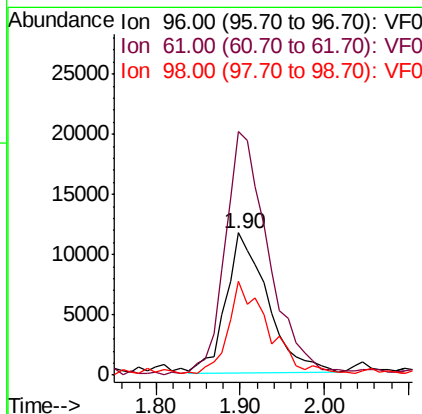
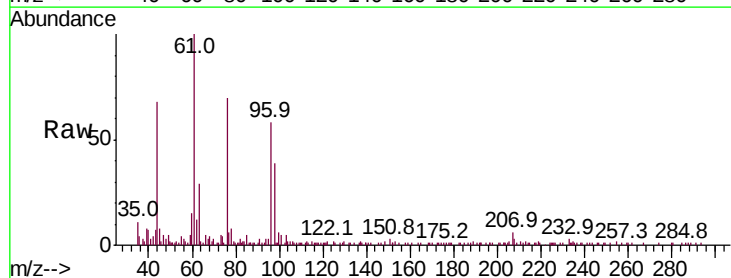
Tot Ion: 59 Resp: 1649
 Ion Ratio Lower Upper
 59 100
 57 356.2 9.3 13.9#

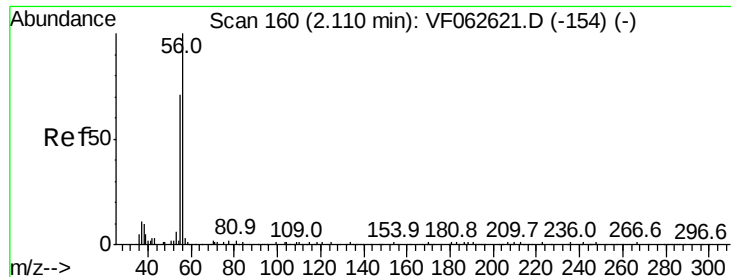


#12

1,1-Dichloroethene
 Concen: 26.156 ug/l
 RT: 1.90 min Scan# 138
 Delta R.T. 0.02 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion: 96 Resp: 40043
 Ion Ratio Lower Upper
 96 100
 61 171.3 134.3 201.5
 98 67.9 55.0 82.6

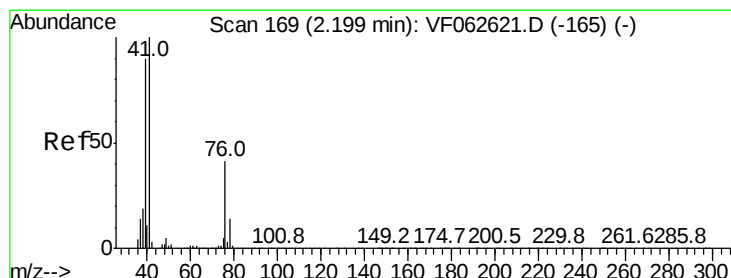
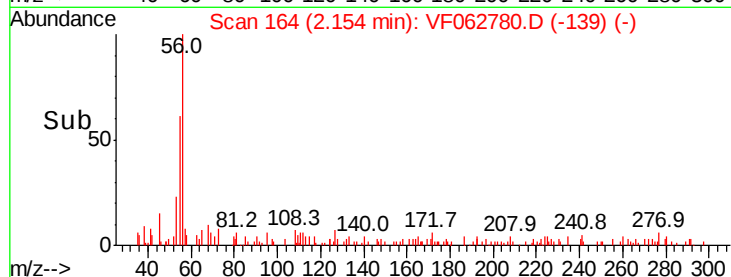
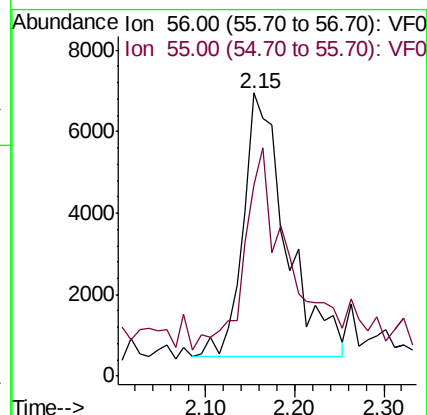
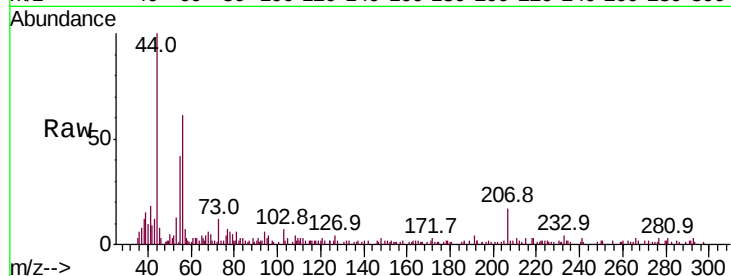




#13
Acrolein
Concen: 261.763 ug/l
RT: 2.15 min Scan# 164
Delta R.T. 0.04 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

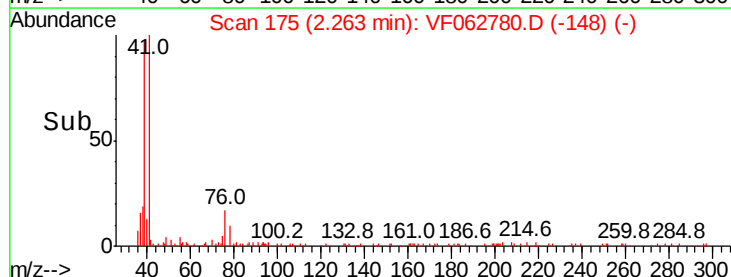
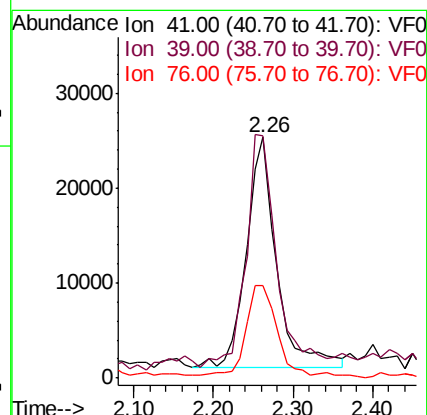
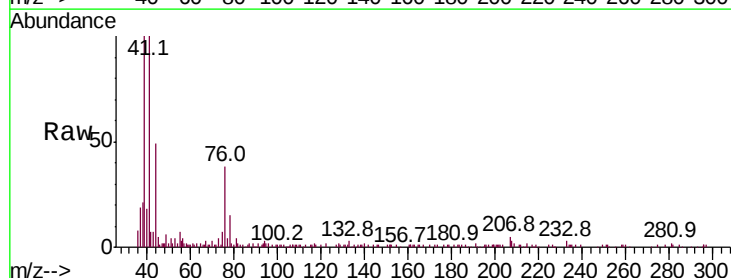
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

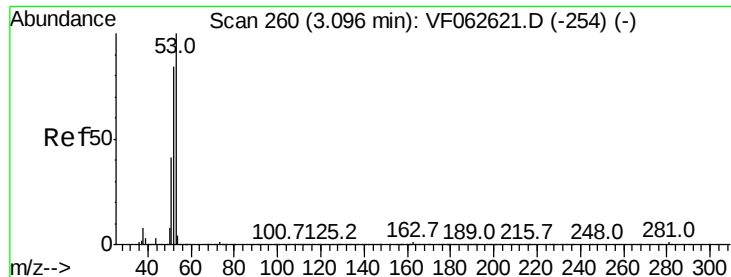
Tot Ion: 56 Resp: 21725
Ion Ratio Lower Upper
56 100
55 67.8 59.4 89.0



#14
Allyl chloride
Concen: 45.544 ug/l
RT: 2.26 min Scan# 175
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 41 Resp: 63106
Ion Ratio Lower Upper
41 100
39 100.4 72.0 108.0
76 38.5 34.8 52.2





#15

Acrylonitrile

Concen: 293.413 ug/l

RT: 3.17 min Scan# 267

Delta R.T. 0.07 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

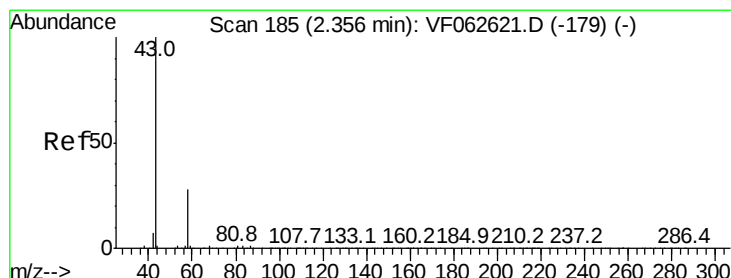
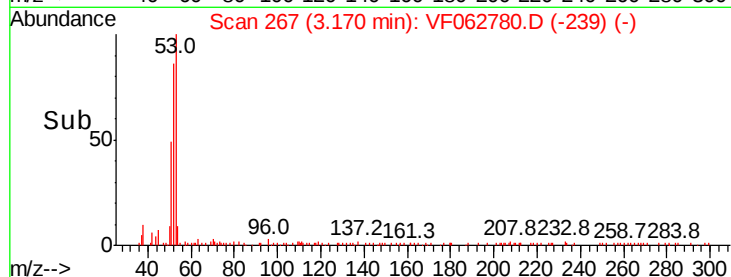
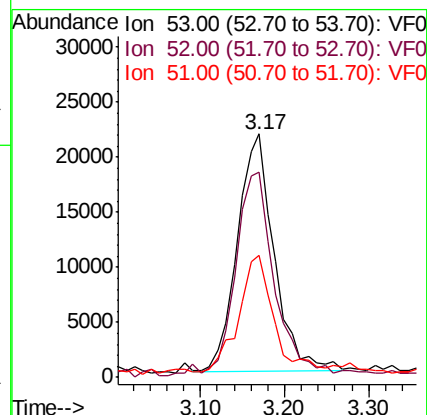
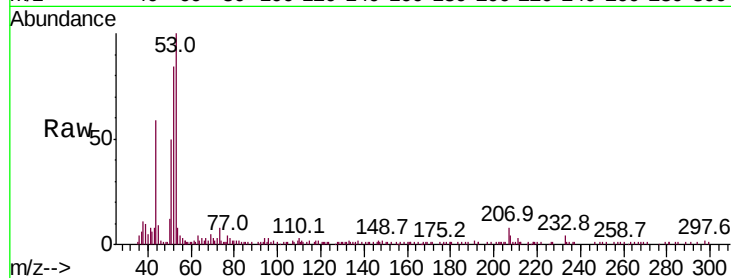
Tot Ion: 53 Resp: 65806

Ion Ratio Lower Upper

53 100

52 84.3 67.3 100.9

51 50.2 33.0 49.6#



#16

Acetone

Concen: 388.739 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.05 min

Lab File: VF062780.D

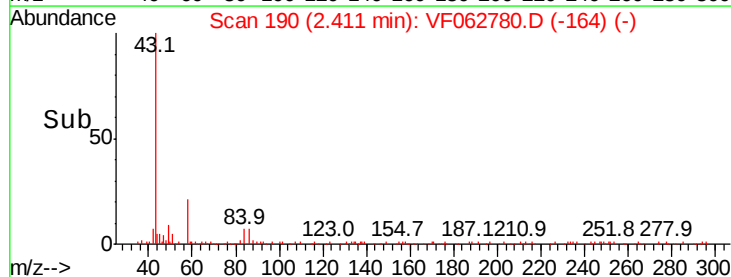
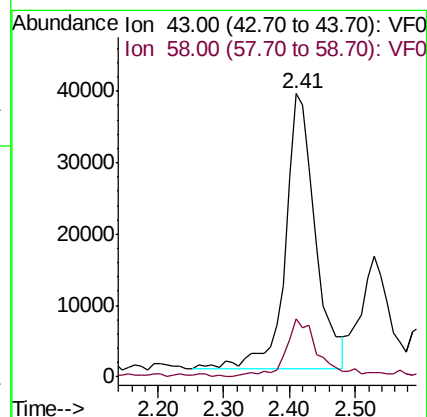
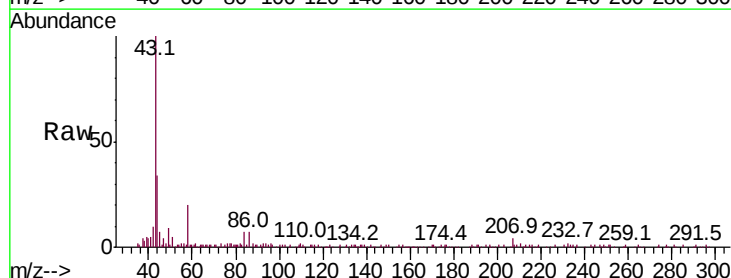
Acq: 29 May 2019 14:14

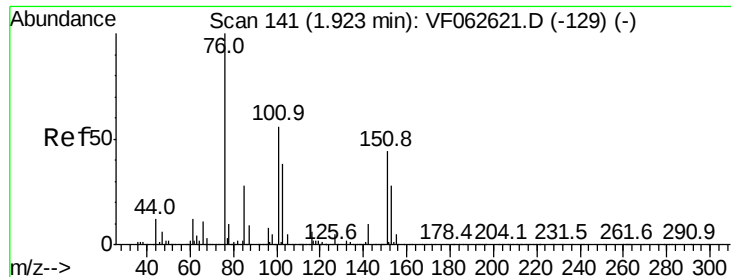
Tgt Ion: 43 Resp: 121454

Ion Ratio Lower Upper

43 100

58 20.3 22.6 33.8#

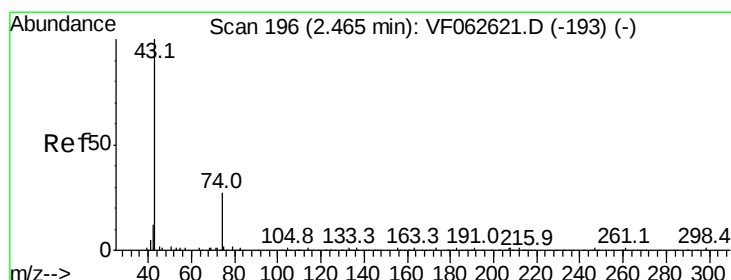
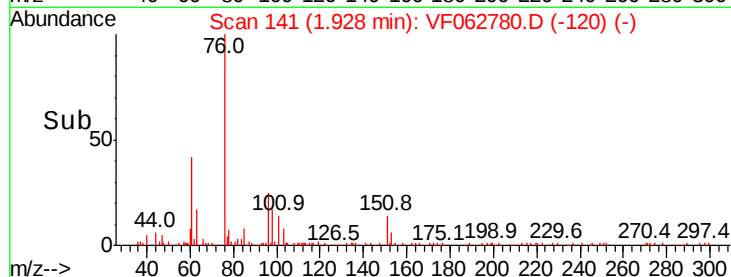
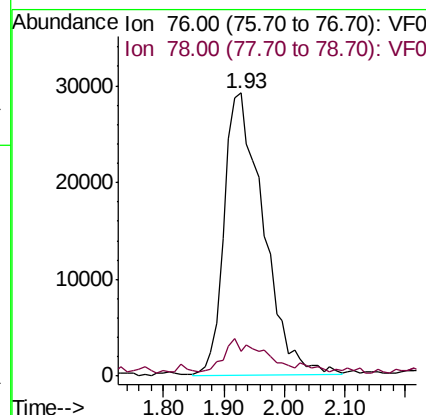
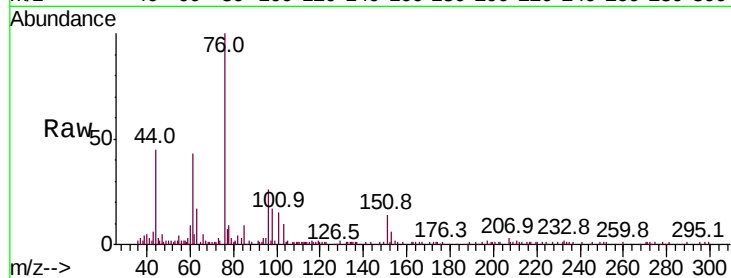




#17
Carbon Disulfide
Concen: 28.895 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

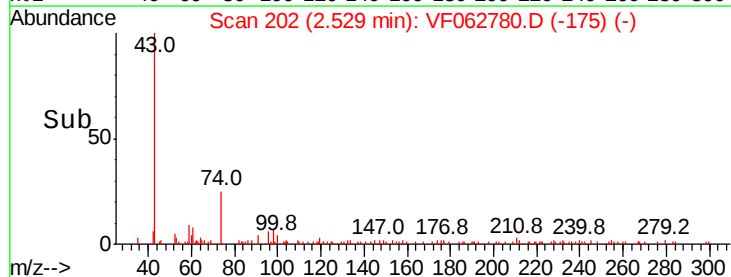
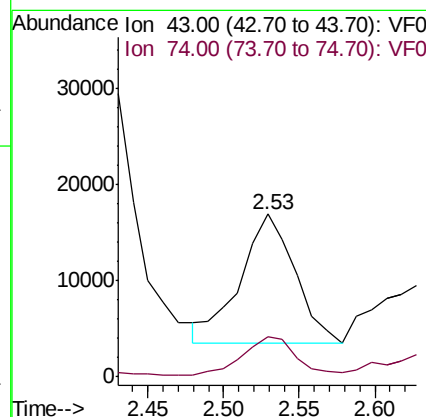
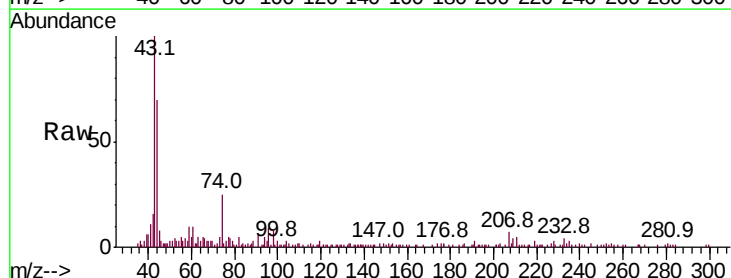
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

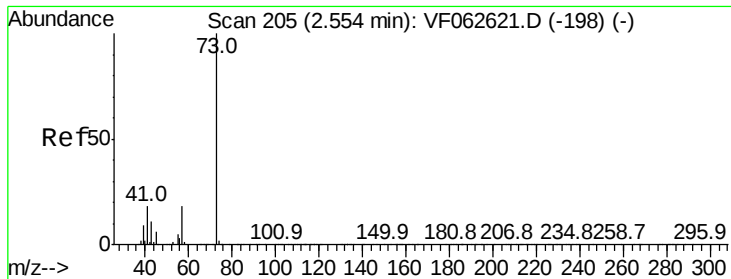
Tot Ion: 76 Resp: 131114
Ion Ratio Lower Upper
76 100
78 9.0 8.4 12.6



#18
Methyl Acetate
Concen: 68.720 ug/l
RT: 2.53 min Scan# 202
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 43 Resp: 33739
Ion Ratio Lower Upper
43 100
74 24.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 60.710 ug/l

RT: 2.64 min Scan# 213

Delta R.T. 0.08 min

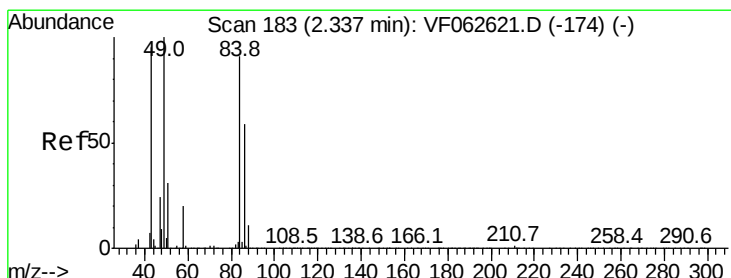
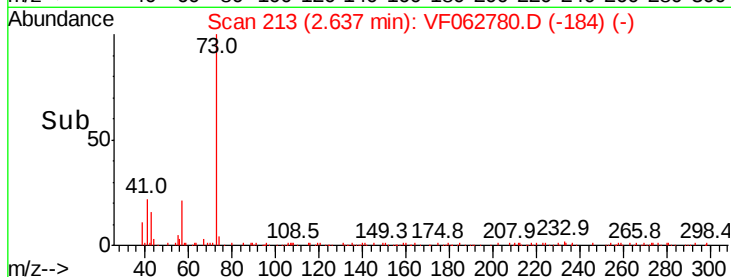
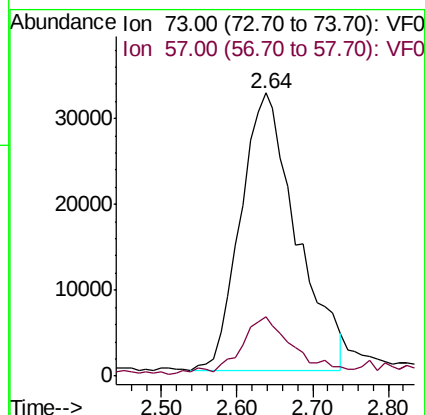
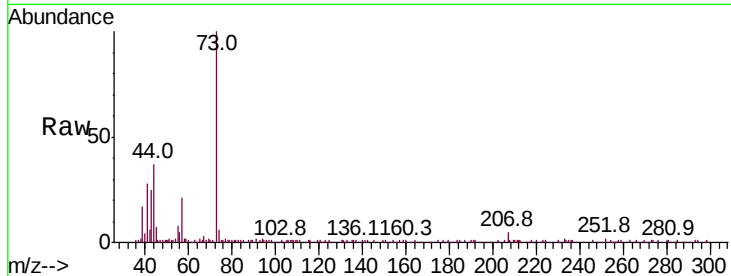
Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion: 73 Resp: 166151

Ion	Ratio	Lower	Upper
73	100		
57	21.1	14.2	21.4



#20

Methylene Chloride

Concen: 46.051 ug/l

RT: 2.35 min Scan# 184

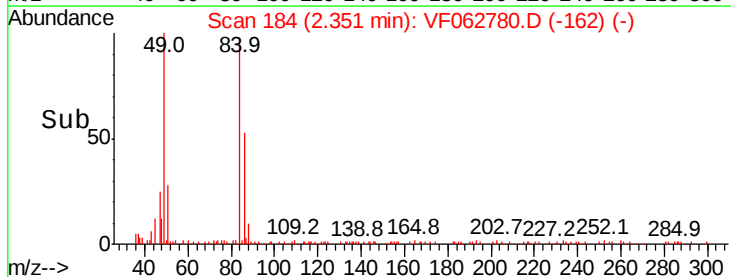
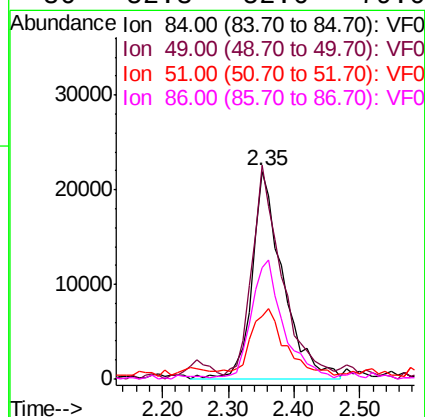
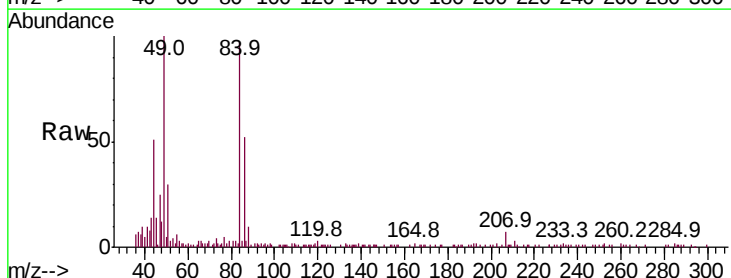
Delta R.T. 0.01 min

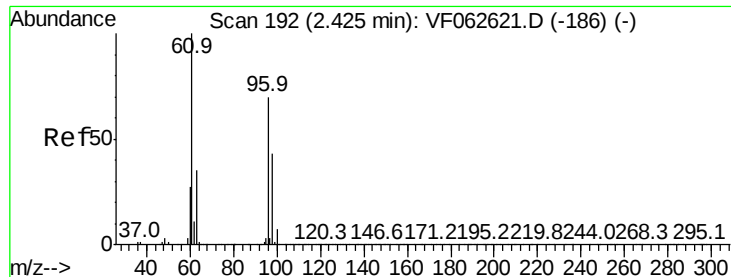
Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion: 84 Resp: 72118

Ion	Ratio	Lower	Upper
84	100		
49	99.9	89.8	134.8
51	29.6	28.4	42.6
86	52.3	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 30.107 ug/l

RT: 2.49 min Scan# 198

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

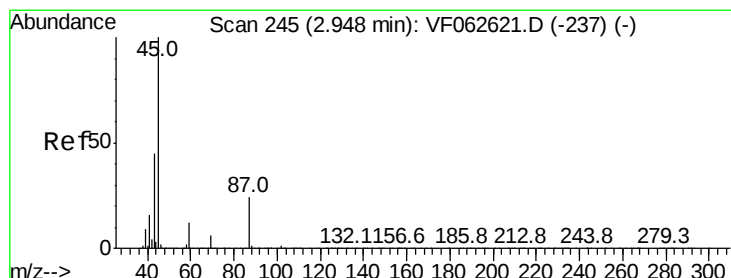
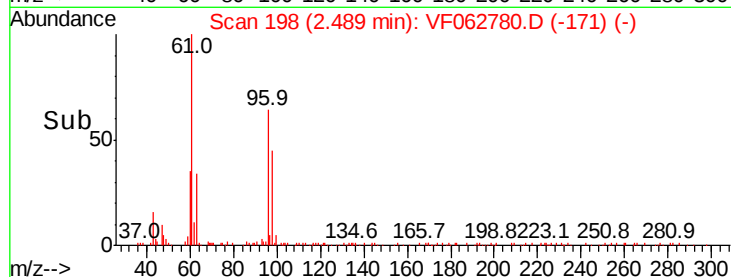
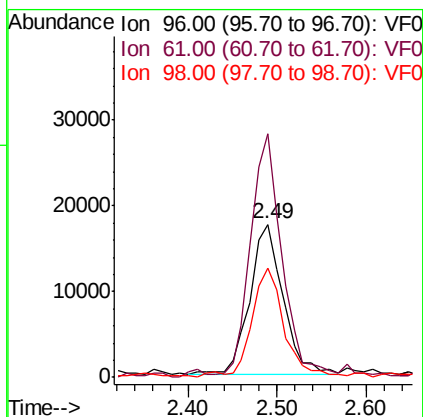
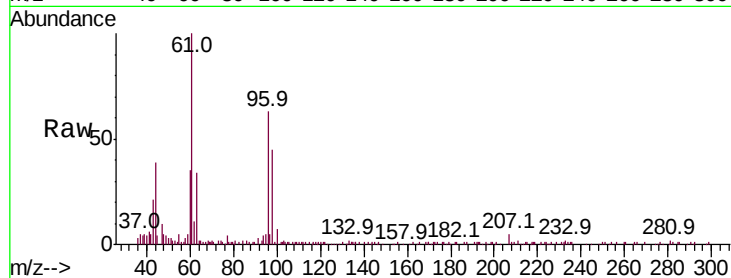
Tot Ion: 96 Resp: 45052

Ion Ratio Lower Upper

96 100

61 159.4 114.6 171.8

98 71.2 49.5 74.3



#22

Diisopropyl ether

Concen: 45.973 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion: 45 Resp: 157107

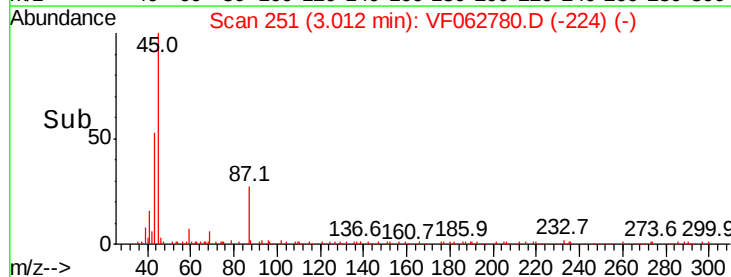
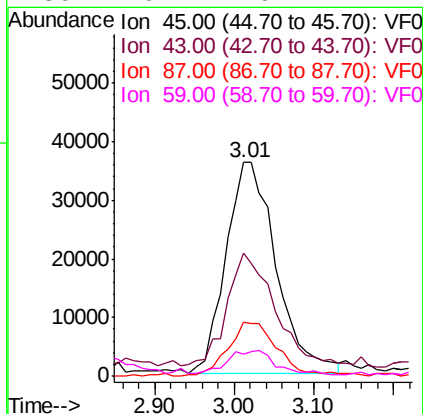
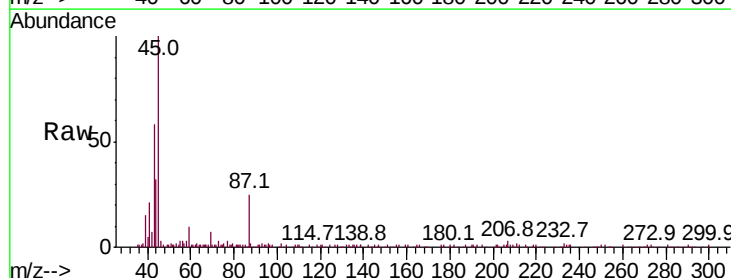
Ion Ratio Lower Upper

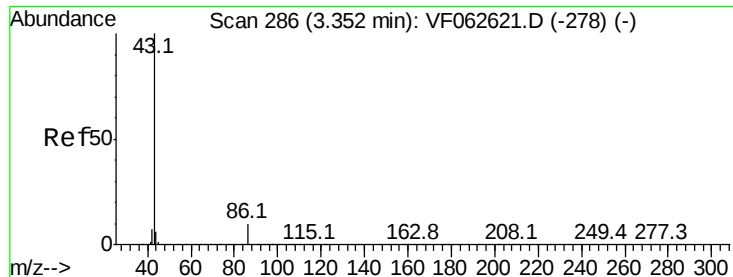
45 100

43 57.8 36.4 54.6#

87 25.4 19.3 28.9

59 10.1 9.4 14.2





#23

Vinyl Acetate

Concen: 221.964 ug/l

RT: 3.42 min Scan# 292

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

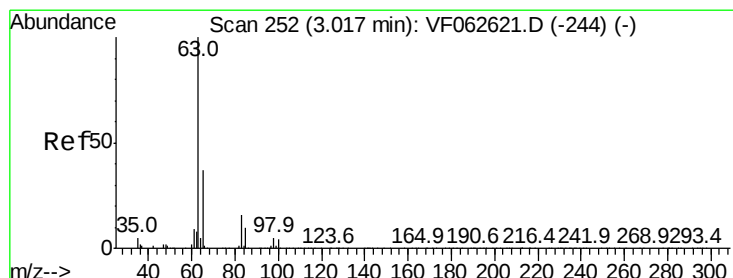
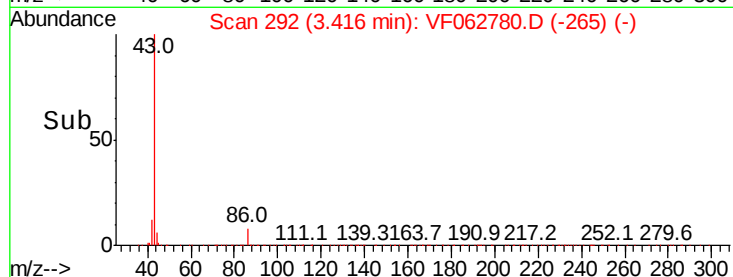
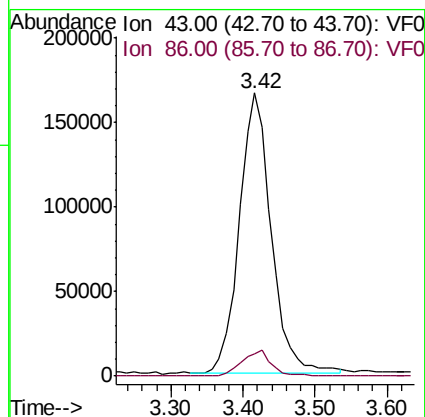
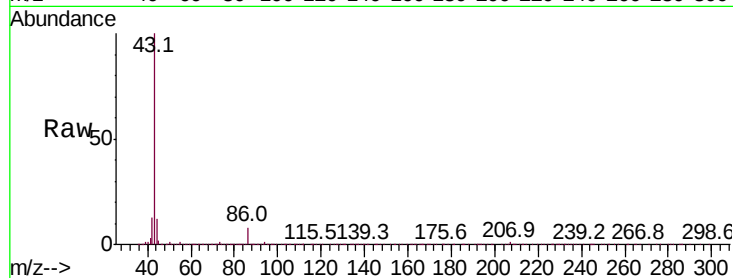
VF0529SBS02

Tot Ion: 43 Resp: 511692

Ion Ratio Lower Upper

43 100

86 7.7 8.2 12.2#



#24

1,1-Dichloroethane

Concen: 37.527 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.06 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

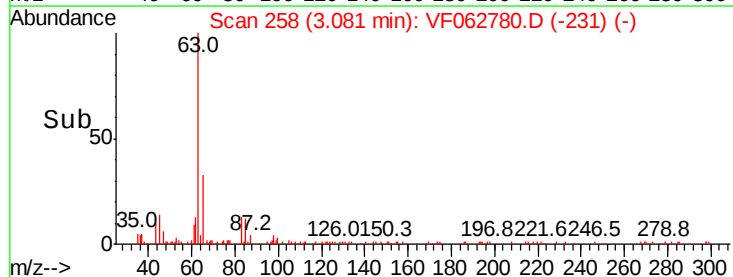
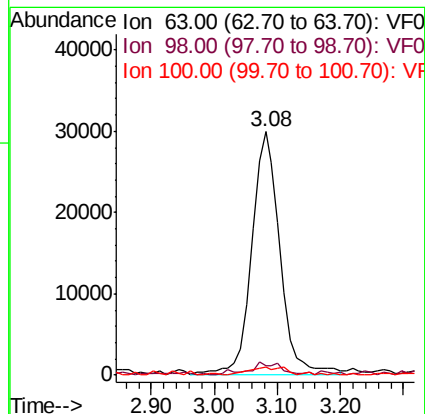
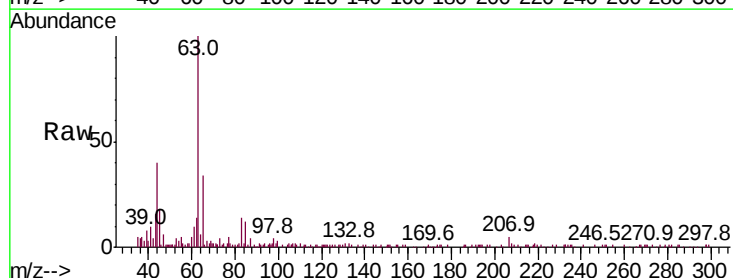
Tgt Ion: 63 Resp: 94080

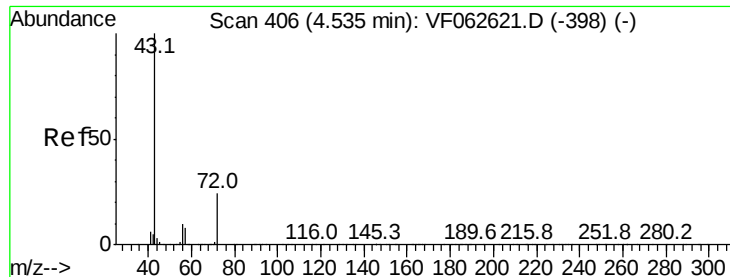
Ion Ratio Lower Upper

63 100

98 4.0 2.8 8.3

100 3.4 1.9 5.7





#25

2-Butanone

Concen: 188.331 ug/l

RT: 4.62 min Scan# 414

Delta R.T. 0.08 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

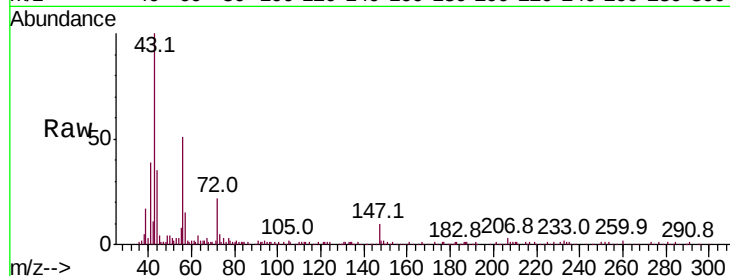
VF0529SBS02

Tot Ion: 43 Resp: 125712

Ion Ratio Lower Upper

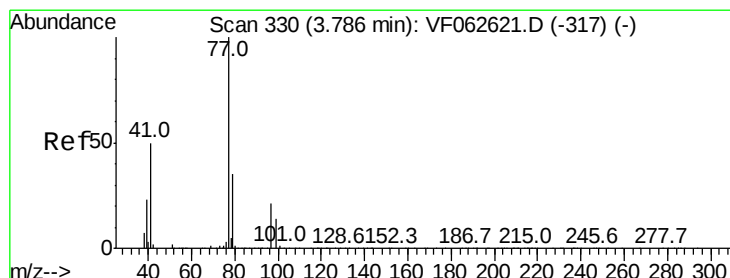
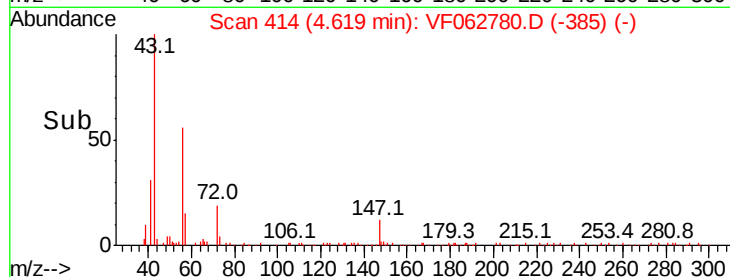
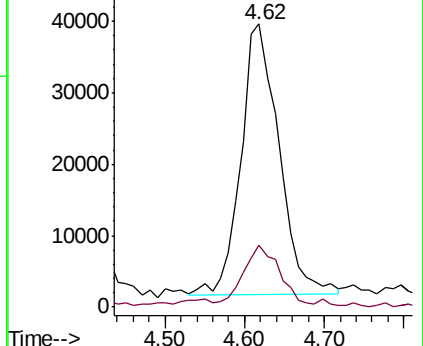
43 100

72 21.9 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 59.138 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.08 min

Lab File: VF062780.D

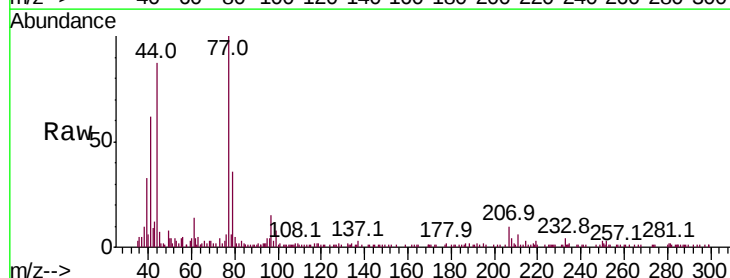
Acq: 29 May 2019 14:14

Tgt Ion: 77 Resp: 84829

Ion Ratio Lower Upper

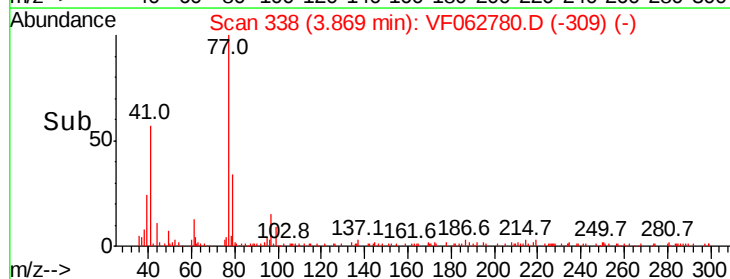
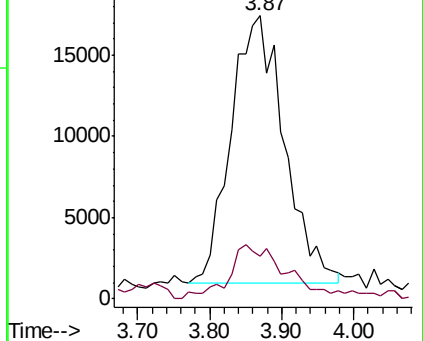
77 100

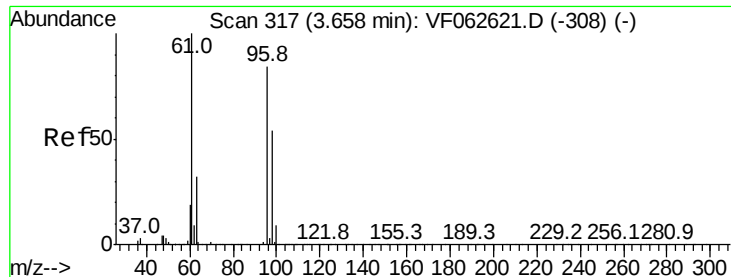
97 15.1 14.1 42.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



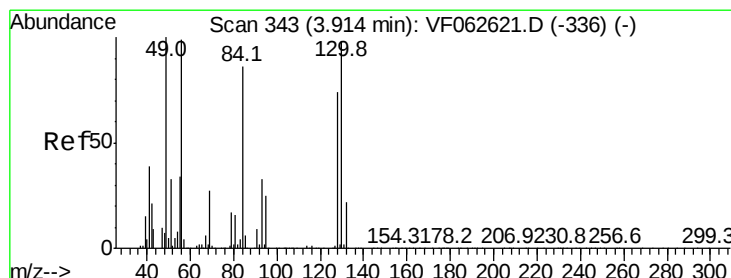
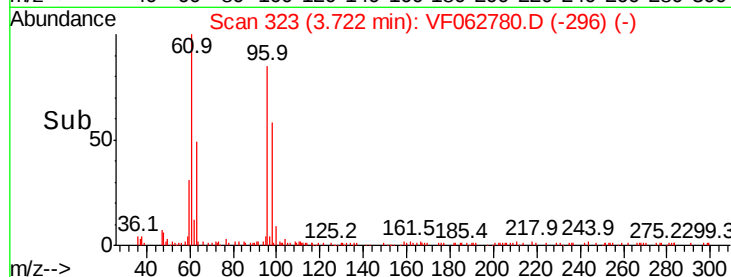
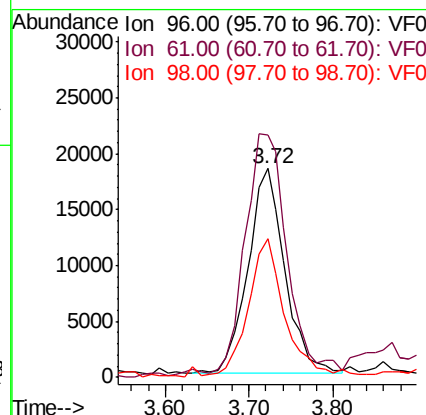
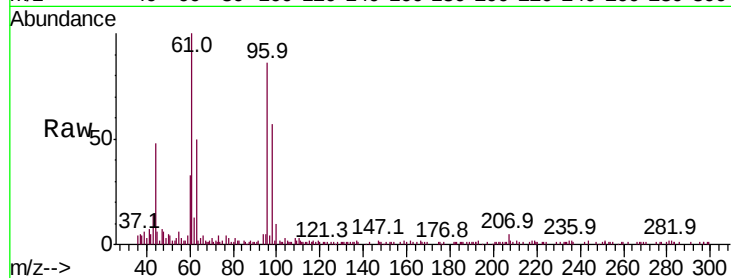


#27

cis-1,2-Dichloroethene
Concen: 22.878 ug/l
RT: 3.72 min Scan# 323
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

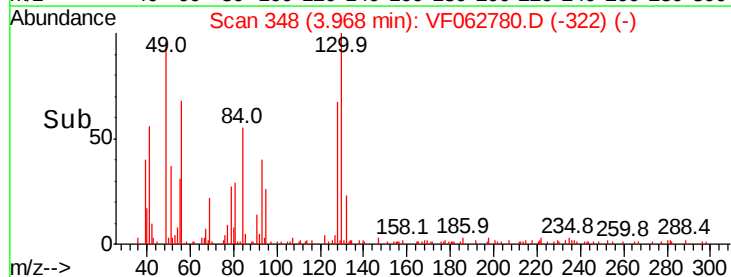
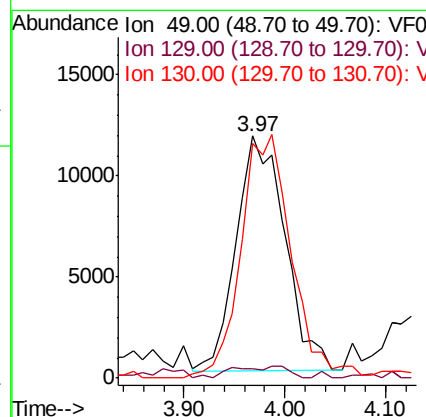
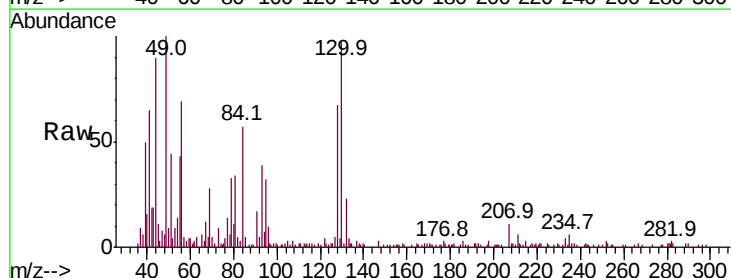
Tot Ion	96	Resp	56312
Ion	Ratio	Lower	Upper
96	100		
61	116.0	0.0	237.4
98	66.4	0.0	129.0

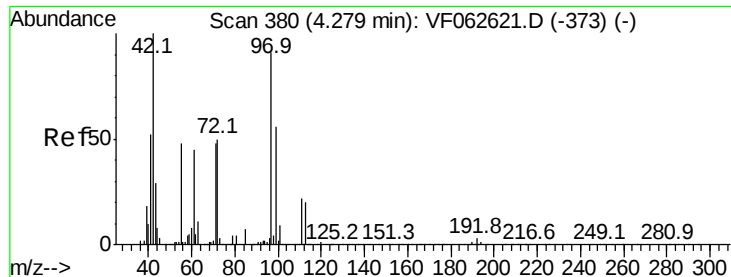


#28

Bromochloromethane
Concen: 27.884 ug/l
RT: 3.97 min Scan# 348
Delta R.T. 0.05 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	49	Resp	39206
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	4.0
130	99.1	77.8	116.8





#29

Tetrahydrofuran

Concen: 216.766 ug/l

RT: 4.36 min Scan# 388

Delta R.T. 0.08 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

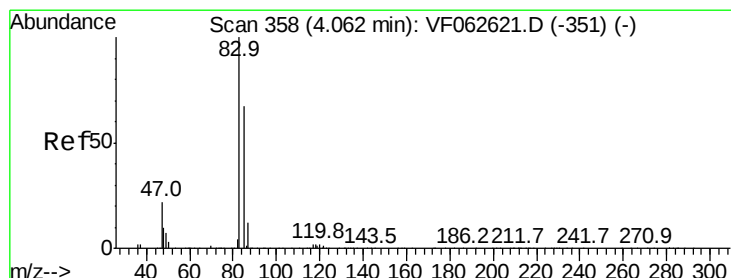
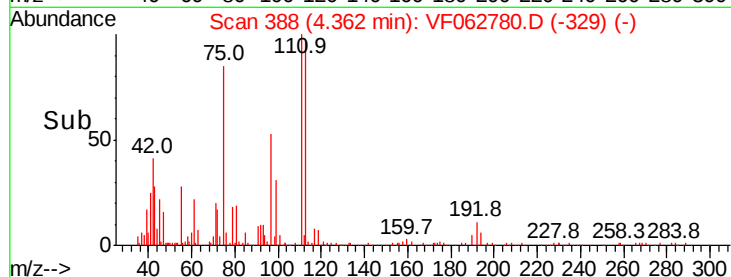
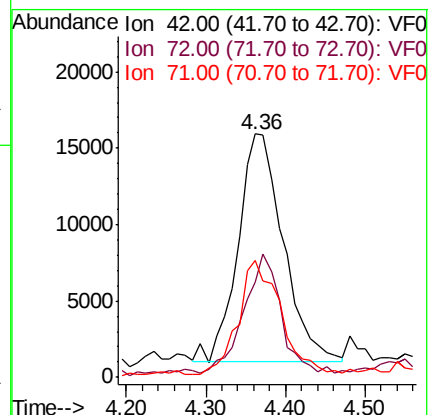
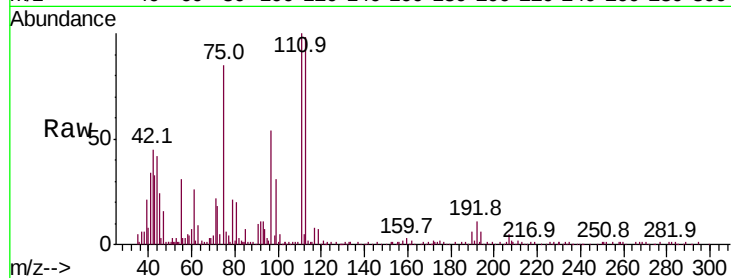
Tot Ion: 42 Resp: 58552

Ion Ratio Lower Upper

42 100

72 48.2 38.2 57.2

71 48.6 35.8 53.6



#30

Chloroform

Concen: 35.432 ug/l

RT: 4.14 min Scan# 365

Delta R.T. 0.07 min

Lab File: VF062780.D

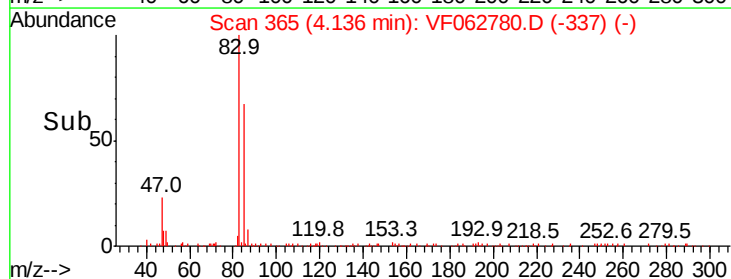
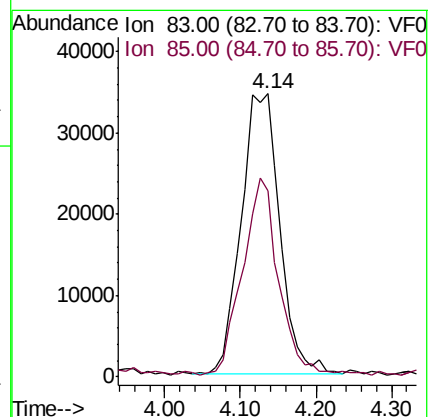
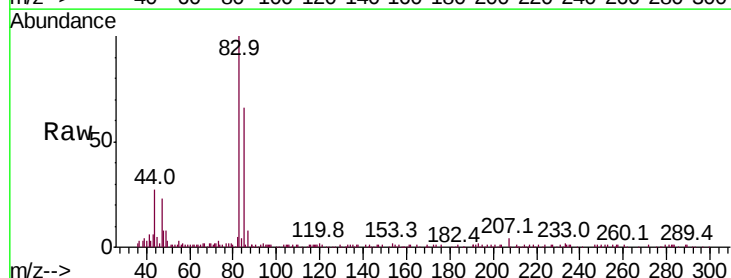
Acq: 29 May 2019 14:14

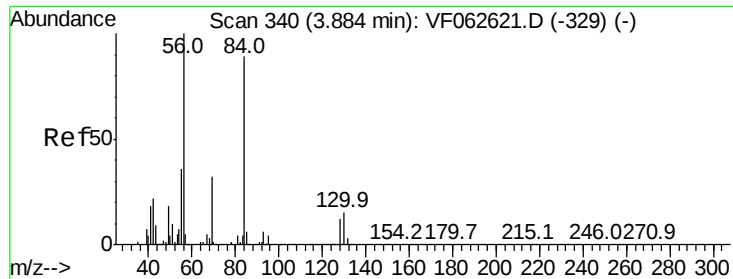
Tgt Ion: 83 Resp: 123331

Ion Ratio Lower Upper

83 100

85 65.7 53.6 80.4

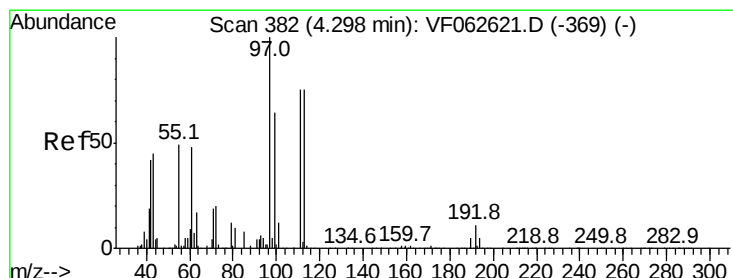
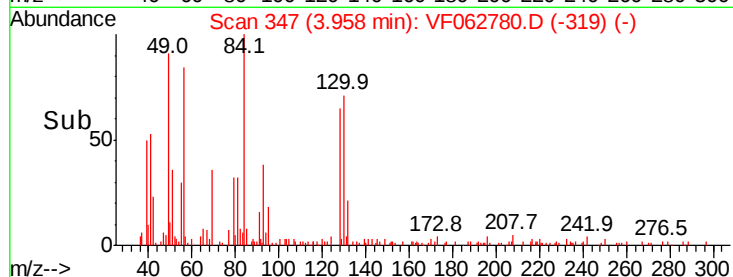
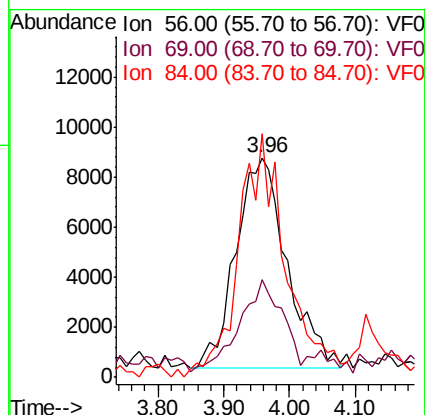
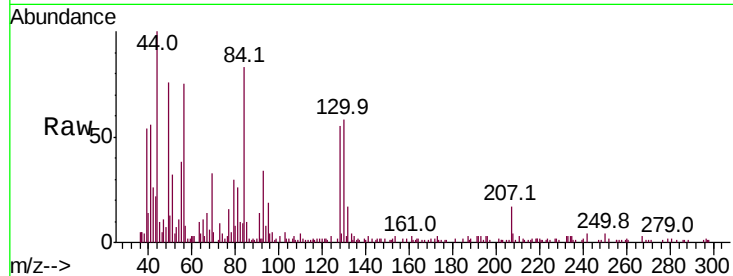




#31
Cyclohexane
Concen: 13.580 ug/l
RT: 3.96 min Scan# 347
Delta R.T. 0.07 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

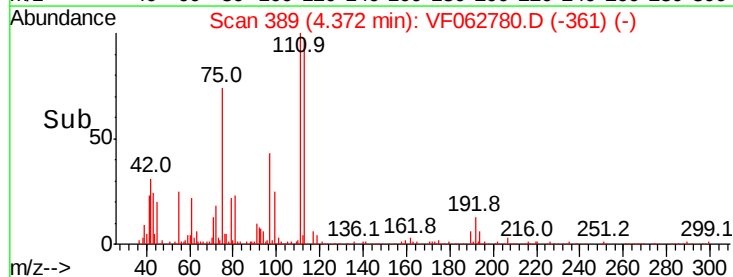
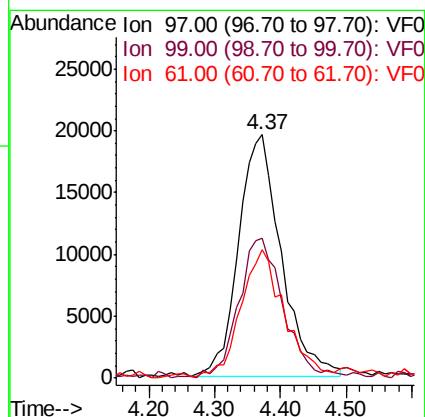
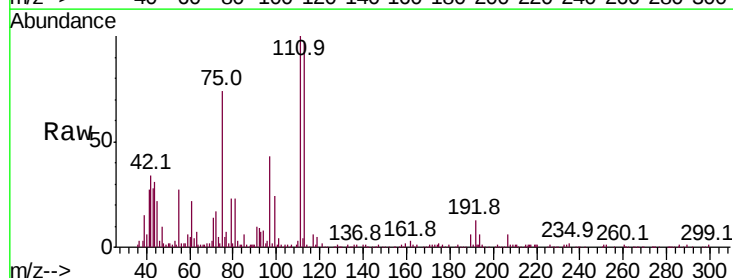
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

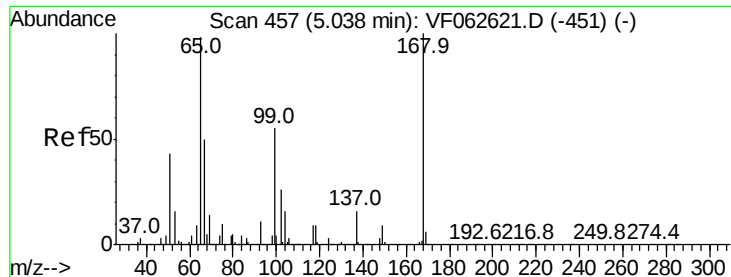
Tot Ion: 56 Resp: 45713
Ion Ratio Lower Upper
56 100
69 44.5 25.3 37.9#
84 110.8 71.0 106.4#



#32
1,1,1-Trichloroethane
Concen: 38.517 ug/l
RT: 4.37 min Scan# 389
Delta R.T. 0.07 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 97 Resp: 89036
Ion Ratio Lower Upper
97 100
99 57.4 51.3 76.9
61 52.8 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 147.711 ug/l

RT: 5.09 min Scan# 462

Delta R.T. 0.05 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

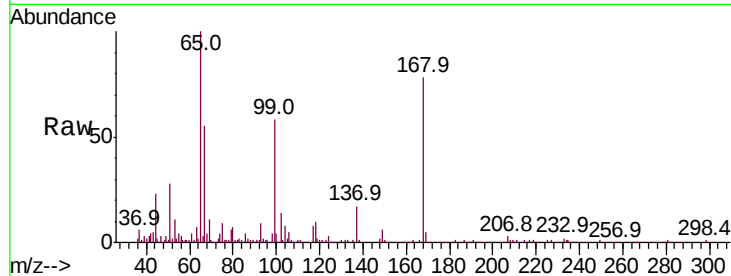
VF0529SBS02

Tot Ion: 65 Resp: 177886

Ion Ratio Lower Upper

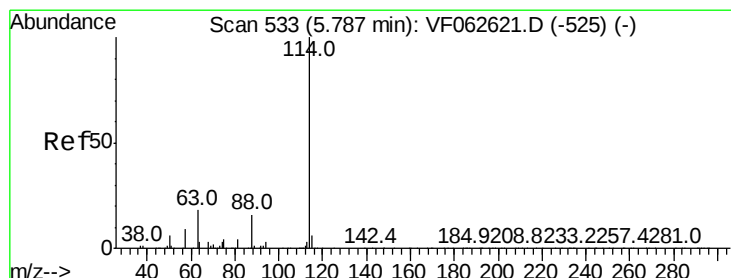
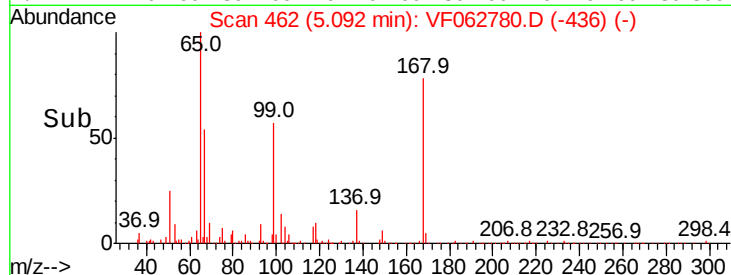
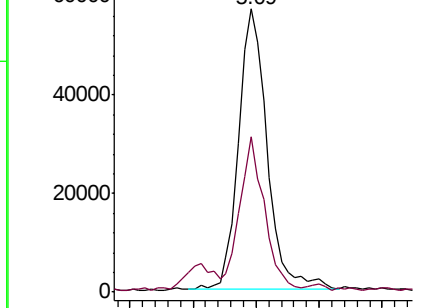
65 100

67 54.8 0.0 117.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.82 min Scan# 536

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

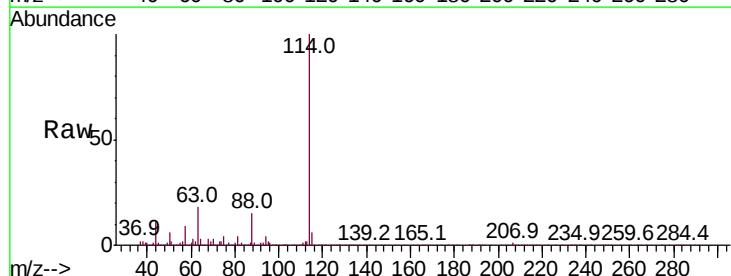
Tgt Ion:114 Resp: 586838

Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.4

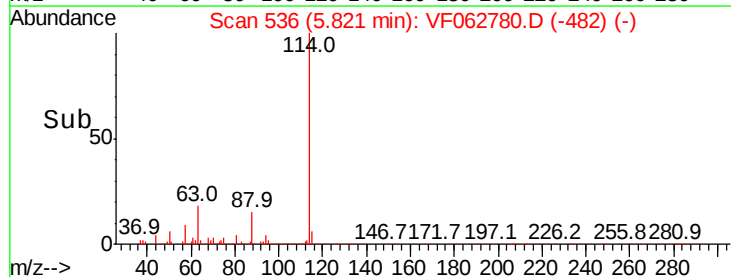
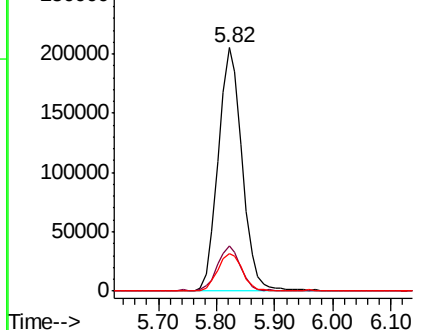
88 15.3 0.0 32.4

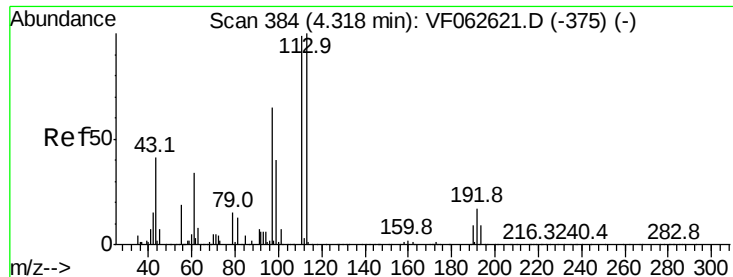


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

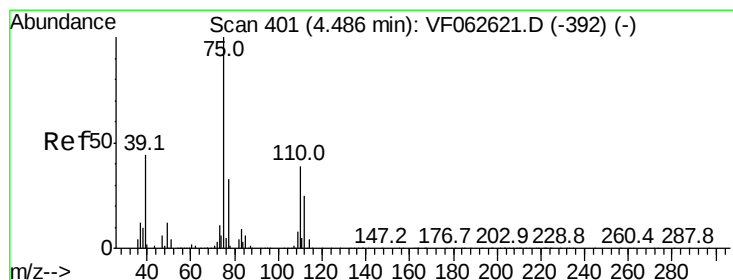
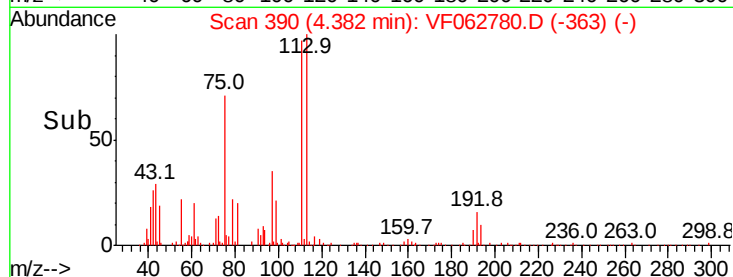
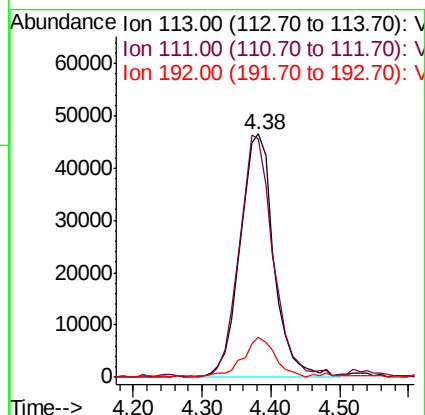
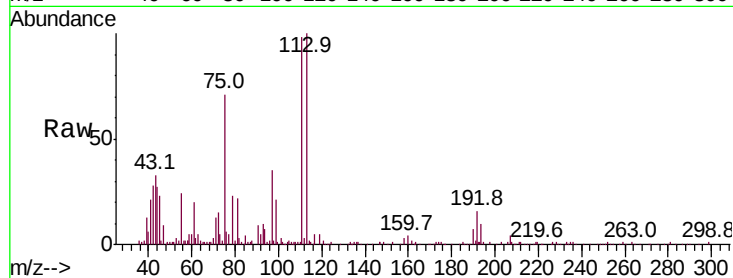




#35
 Dibromofluoromethane
 Concen: 35.268 ug/l
 RT: 4.38 min Scan# 390
 Delta R.T. 0.06 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

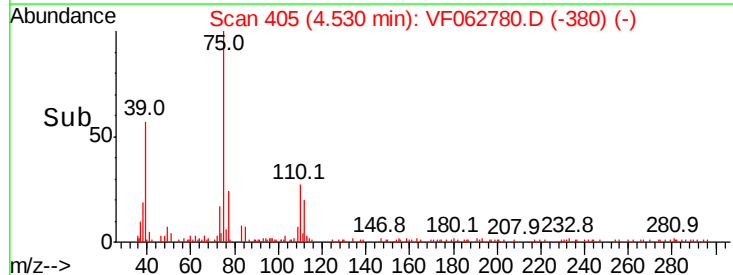
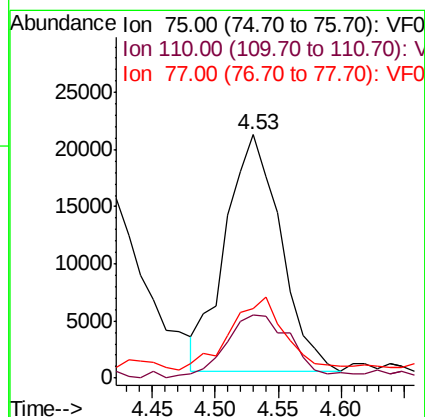
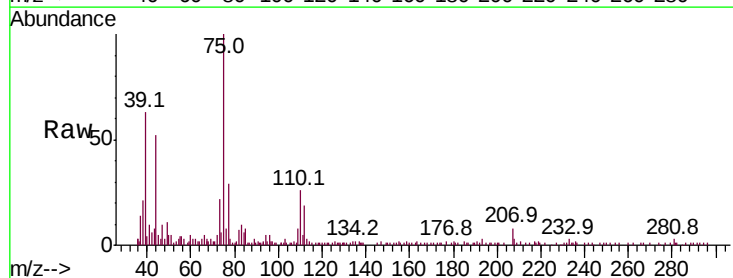
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

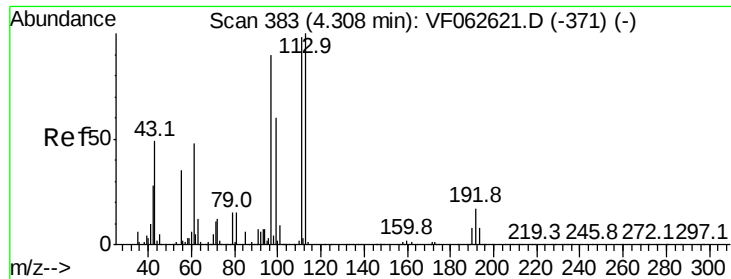
Tot Ion:113 Resp: 158369
 Ion Ratio Lower Upper
 113 100
 111 97.9 79.4 119.2
 192 16.7 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 10.381 ug/l
 RT: 4.53 min Scan# 405
 Delta R.T. 0.04 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion: 75 Resp: 62426
 Ion Ratio Lower Upper
 75 100
 110 26.1 19.7 59.1
 77 28.7 26.3 39.5

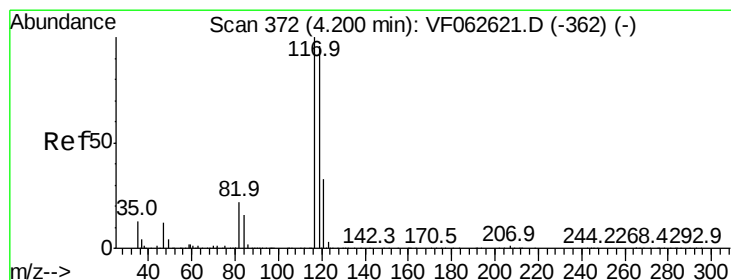
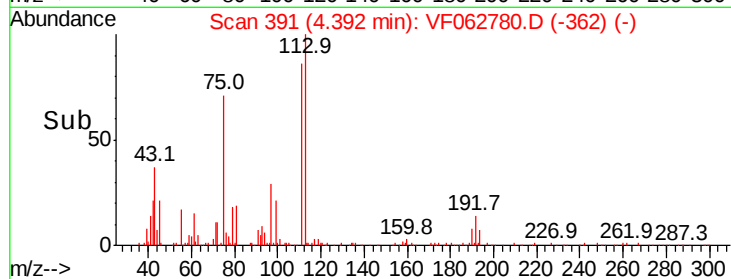
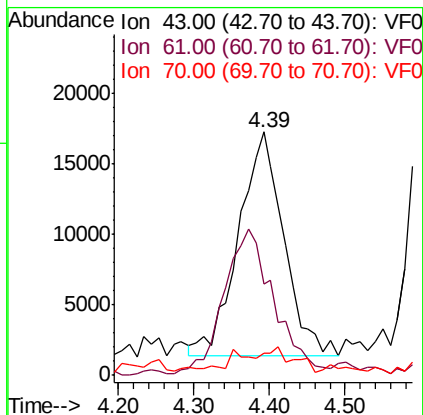
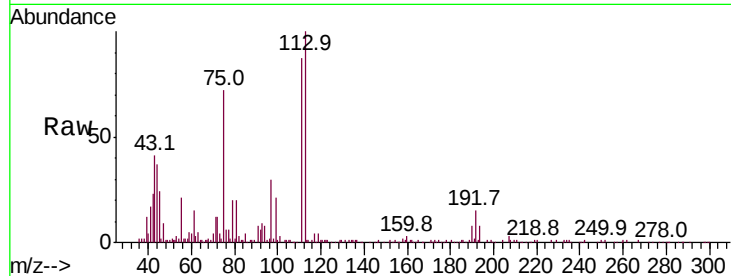




#37
Ethyl Acetate
Concen: 26.950 ug/l
RT: 4.39 min Scan# 391
Delta R.T. 0.08 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

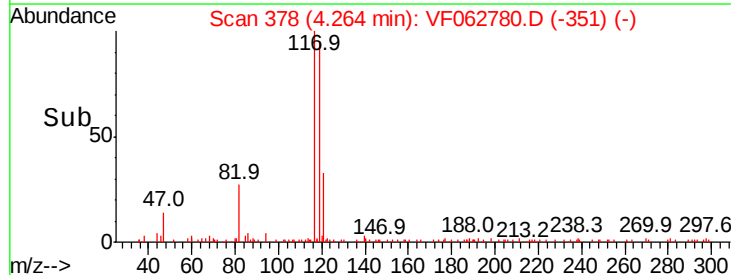
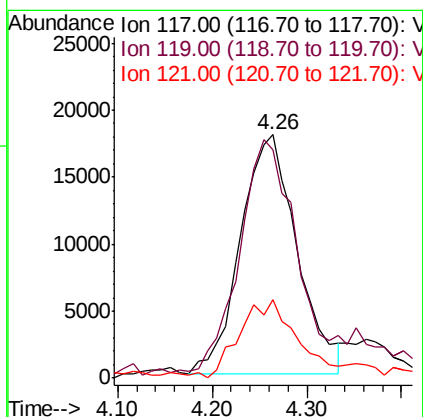
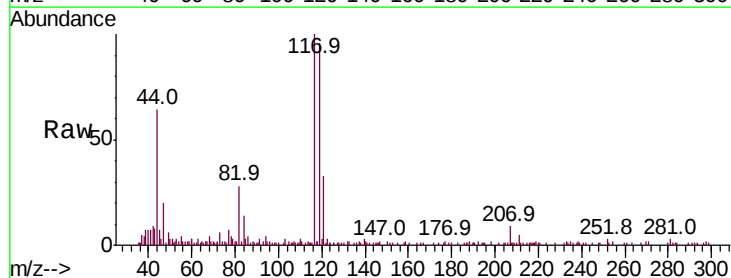
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

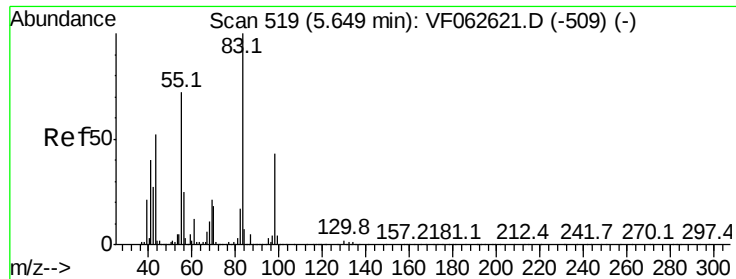
Tot Ion: 43 Resp: 66168
Ion Ratio Lower Upper
43 100
61 37.6 76.9 115.3#
70 9.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 16.493 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 117 Resp: 74587
Ion Ratio Lower Upper
117 100
119 93.9 76.7 115.1
121 32.1 26.6 40.0

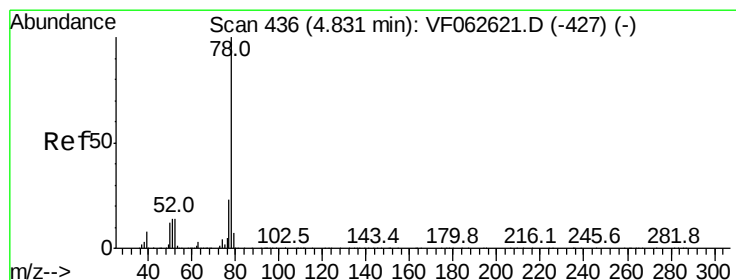
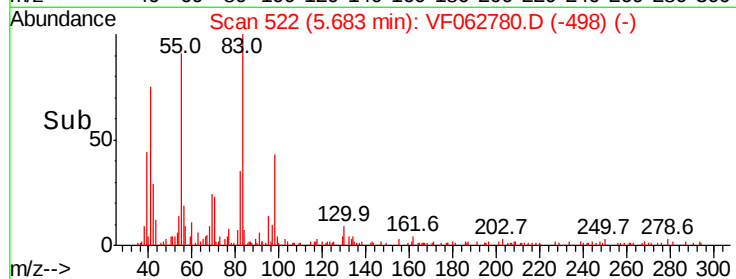
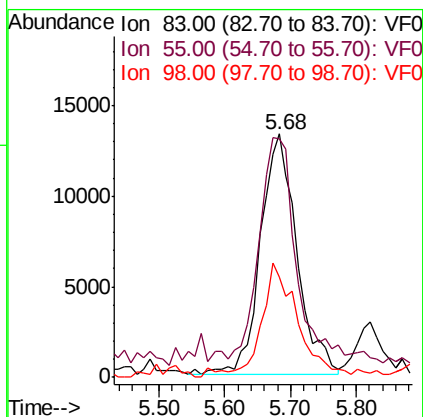
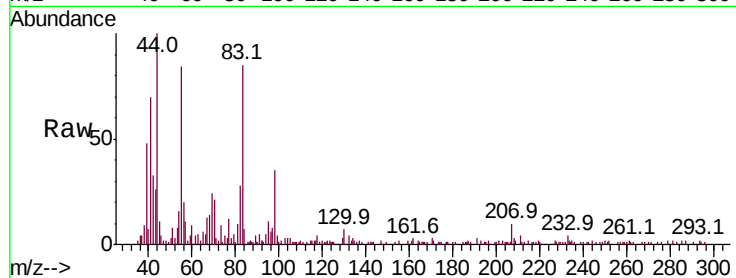




#39
Methvlcvclohexane
Concen: 7.146 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.03 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

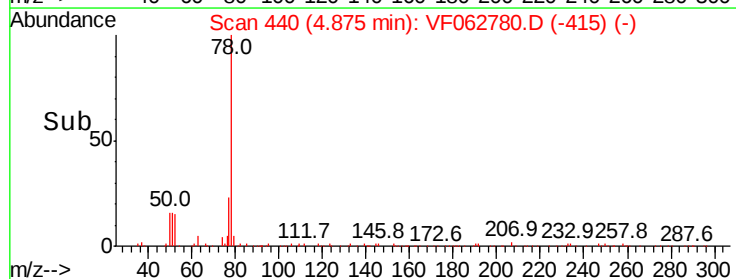
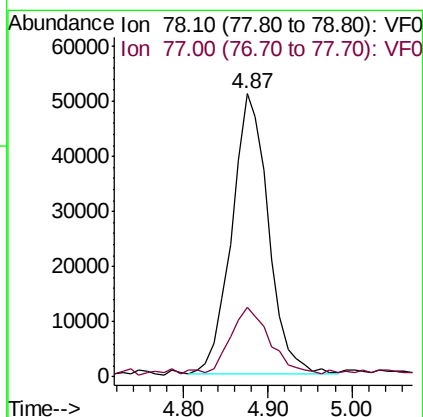
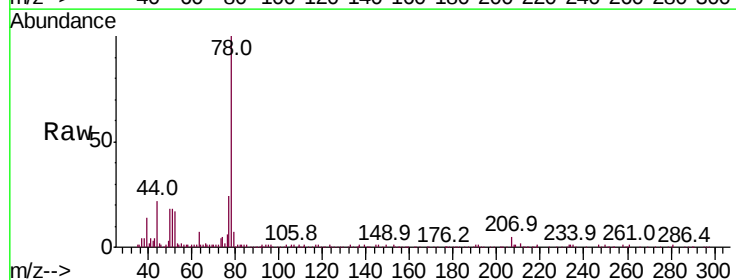
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

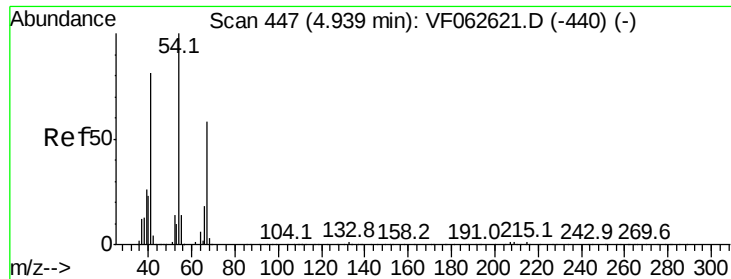
Tot Ion: 83 Resp: 51702
Ion Ratio Lower Upper
83 100
55 97.9 57.9 86.9#
98 41.1 34.6 52.0



#40
Benzene
Concen: 9.458 ug/l
RT: 4.87 min Scan# 440
Delta R.T. 0.04 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 78 Resp: 154940
Ion Ratio Lower Upper
78 100
77 24.5 18.2 27.2

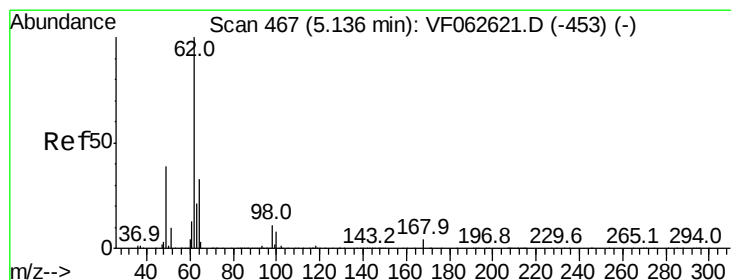
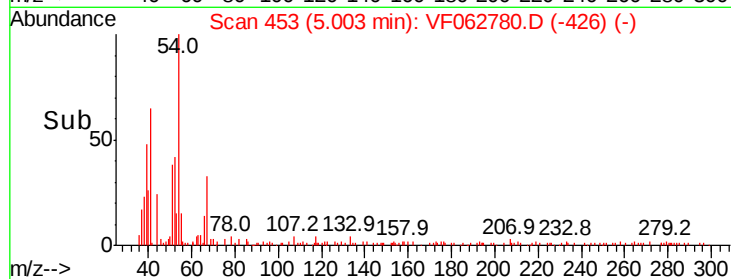
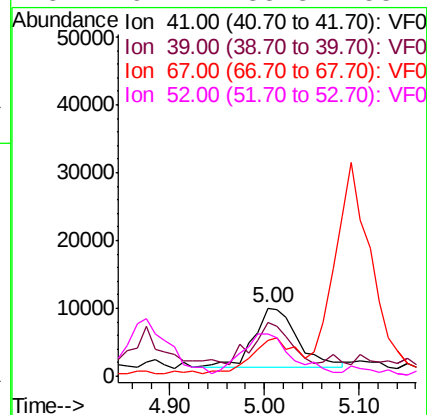
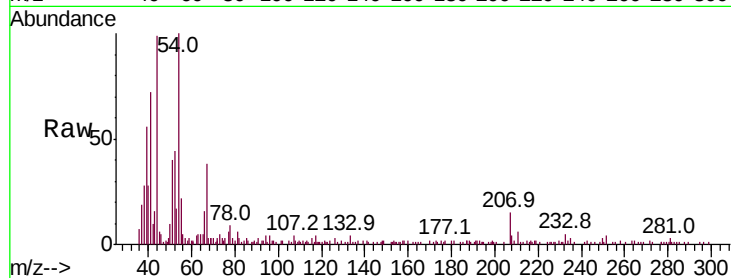




#41
Methacrylonitrile
Concen: 22.171 ug/l
RT: 5.00 min Scan# 453
Delta R.T. 0.06 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

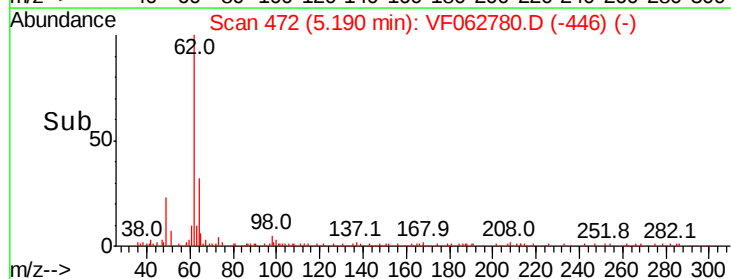
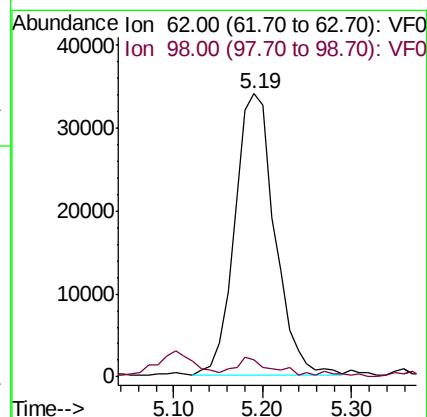
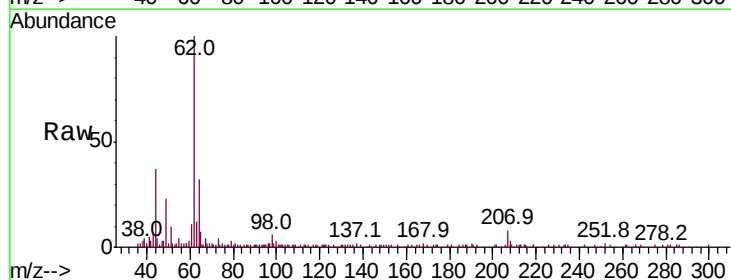
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

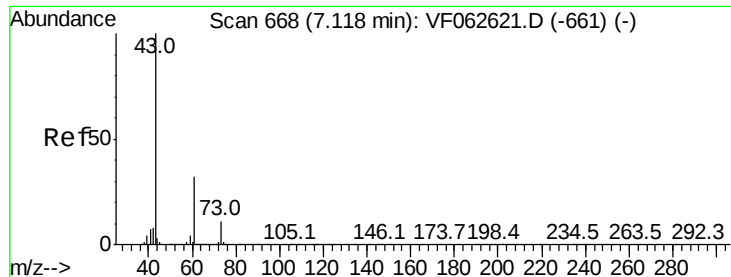
Tot Ion	Ratio	Lower	Upper
41	100		
39	77.7	42.2	63.2#
67	52.2	56.4	84.6#
52	61.2	38.8	58.2#



#42
1,2-Dichloroethane
Concen: 32.413 ug/l
RT: 5.19 min Scan# 472
Delta R.T. 0.05 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	21.6



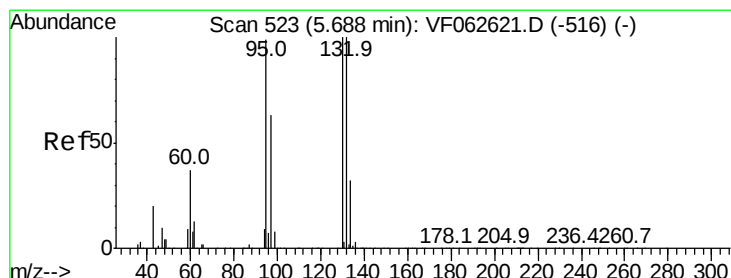
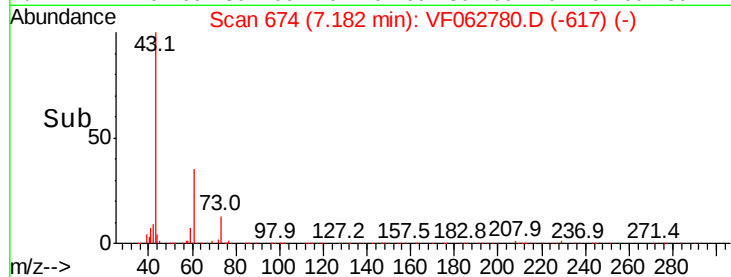
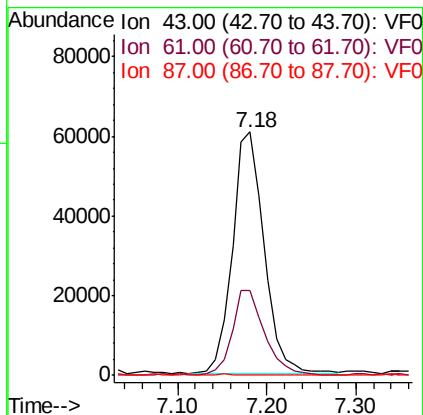
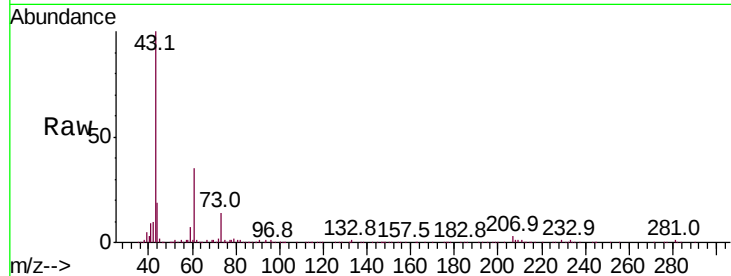


#43

Isopropyl Acetate
 Concen: 47.231 ug/l
 RT: 7.18 min Scan# 674
 Delta R.T. 0.06 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

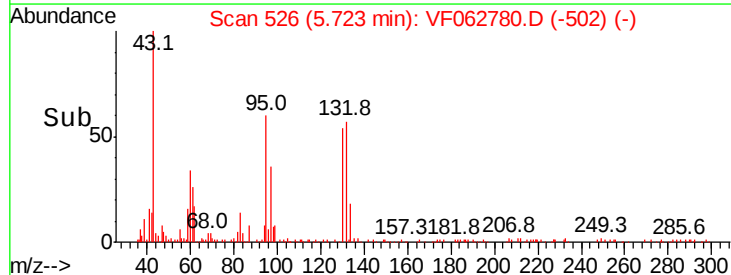
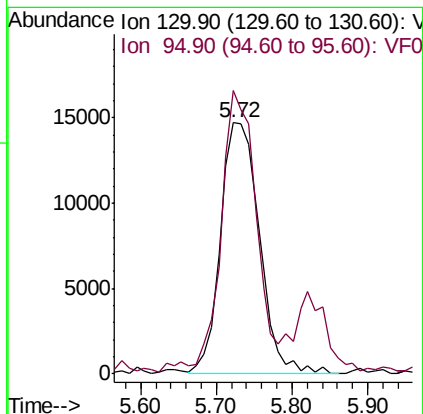
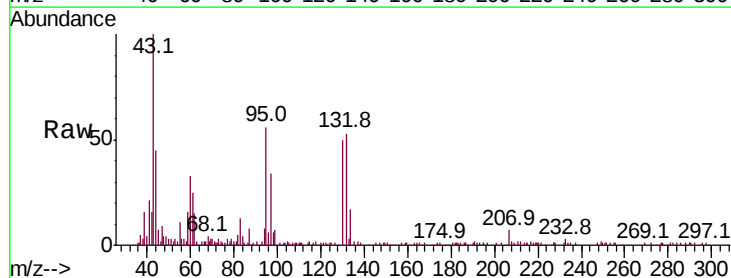
Tot Ion	43	Resp	150236
Ion Ratio	Lower	Upper	
43	100		
61	34.6	25.8	38.8
87	0.4	0.4	0.6

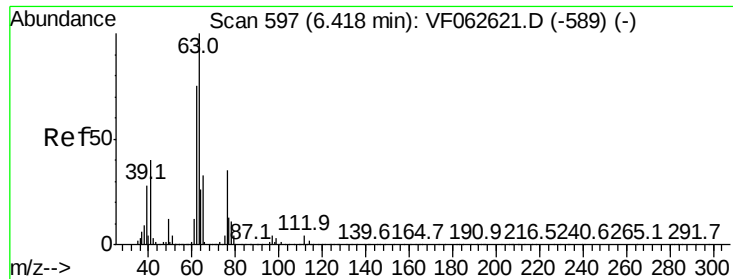


#44

Trichloroethene
 Concen: 11.417 ug/l
 RT: 5.72 min Scan# 526
 Delta R.T. 0.03 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion	130	Resp	52566
Ion Ratio	Lower	Upper	
130	100		
95	112.8	0.0	199.4





#45

1,2-Dichloropropane

Concen: 28.319 ug/l

RT: 6.46 min Scan# 601

Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

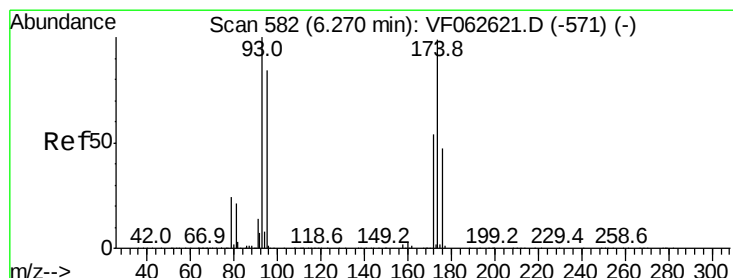
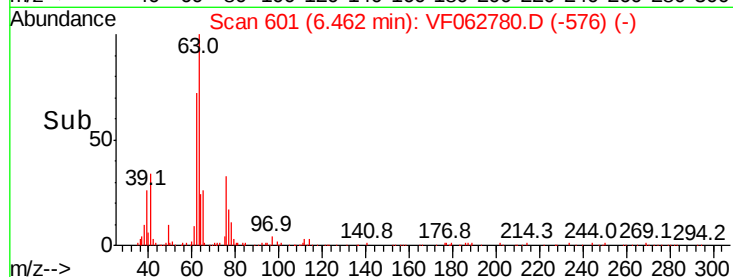
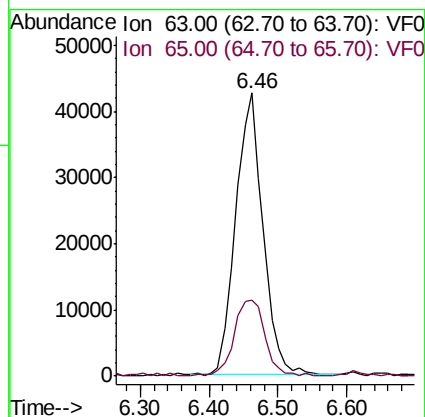
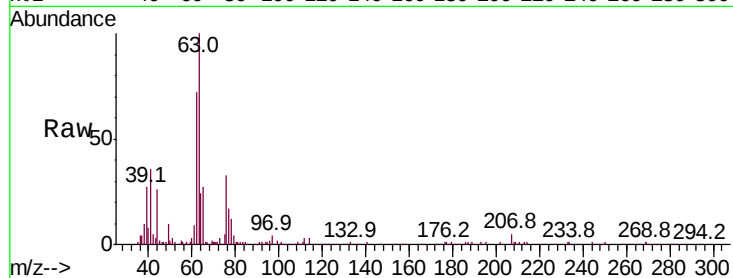
VF0529SBS02

Tot Ion: 63 Resp: 117108

Ion Ratio Lower Upper

63 100

65 26.7 26.3 39.5



#46

Dibromomethane

Concen: 36.090 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

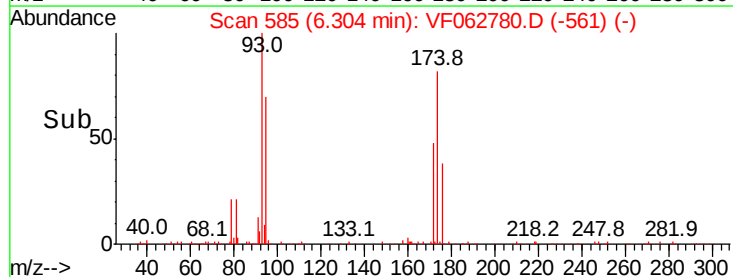
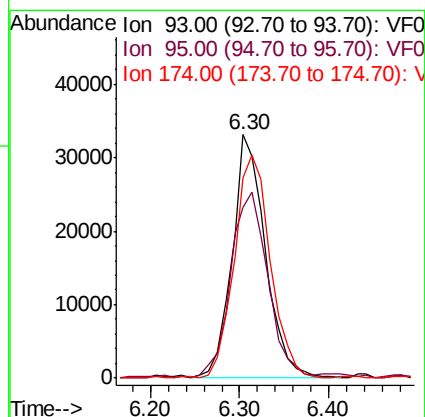
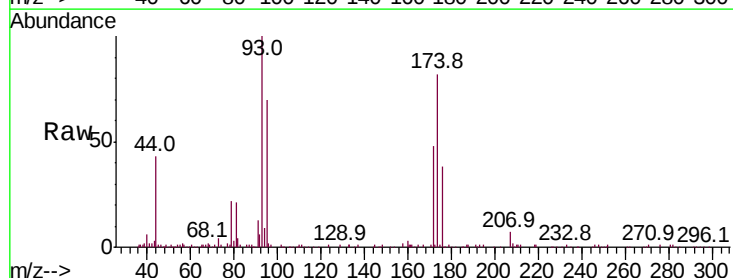
Tgt Ion: 93 Resp: 86252

Ion Ratio Lower Upper

93 100

95 70.3 67.4 101.2

174 82.3 79.4 119.2





#47

Bromodichloromethane

Concen: 29.221 ug/l

RT: 6.60 min Scan# 615

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

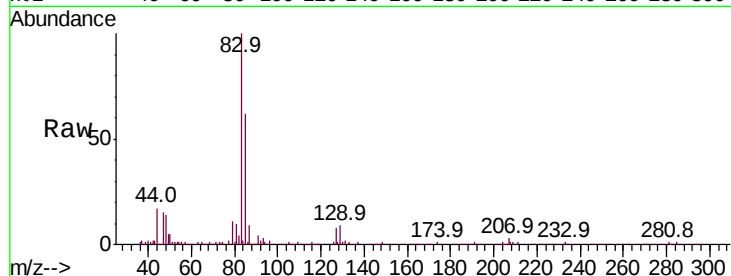
Tot Ion: 83 Resp: 144979

Ion Ratio Lower Upper

83 100

85 61.6 52.0 78.0

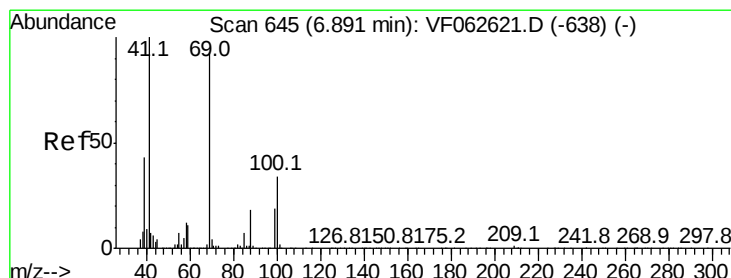
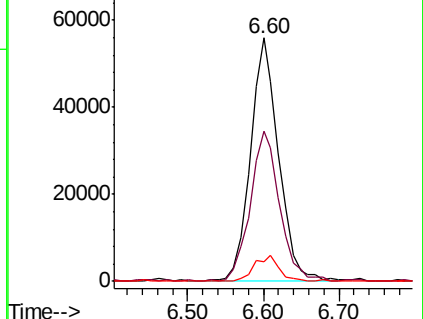
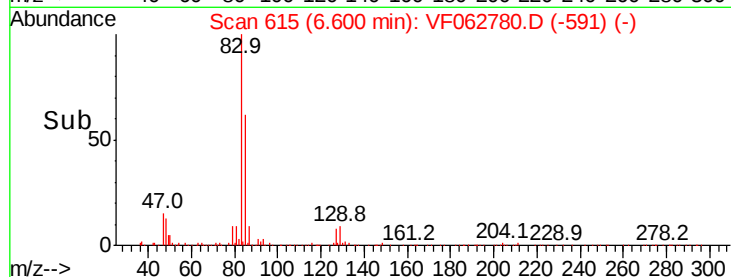
127 8.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 45.902 ug/l

RT: 6.94 min Scan# 649

Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

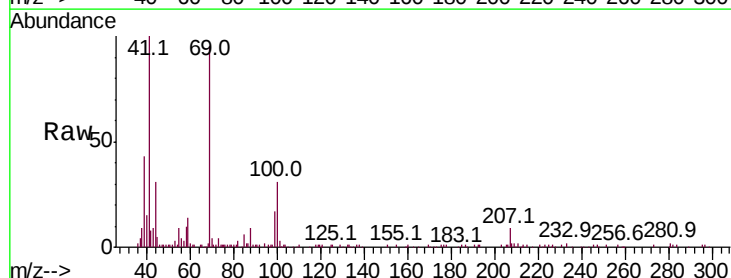
Tgt Ion: 41 Resp: 76316

Ion Ratio Lower Upper

41 100

69 94.7 74.2 111.2

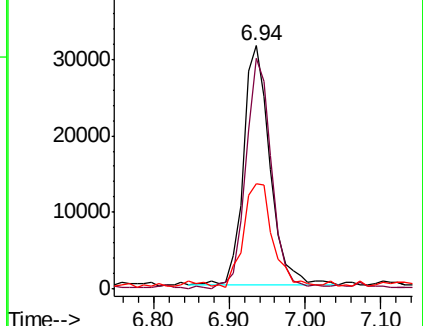
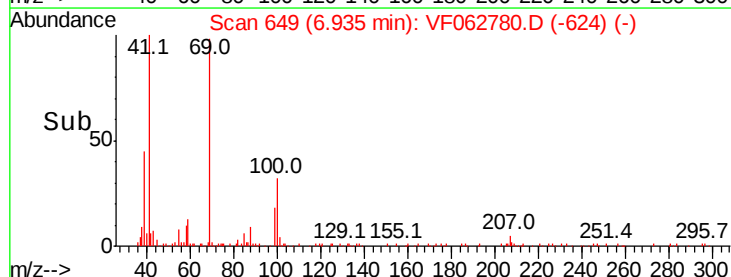
39 43.4 34.2 51.4

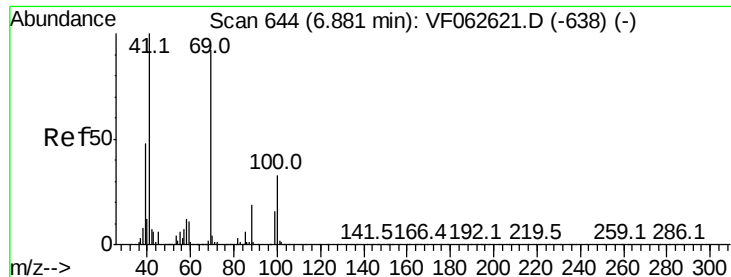


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 982.337 ug/l

RT: 6.96 min Scan# 652

Delta R.T. 0.08 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

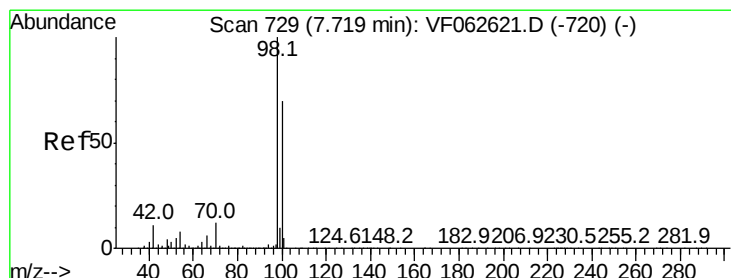
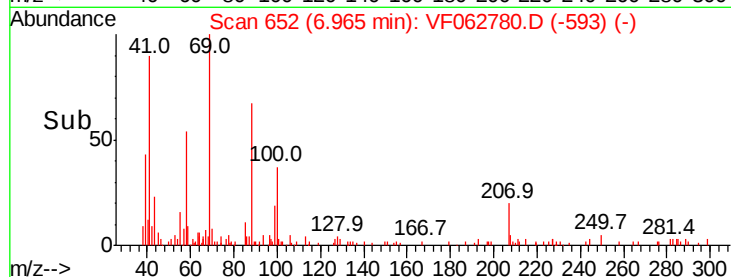
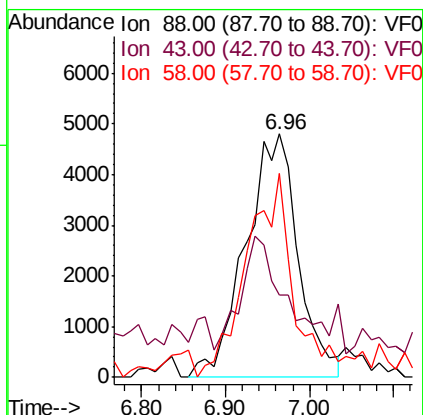
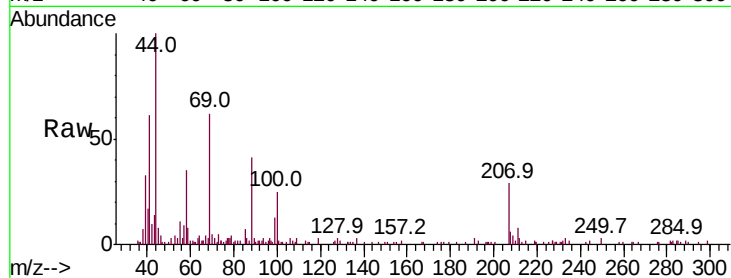
Tot Ion: 88 Resp: 20918

Ion Ratio Lower Upper

88 100

43 33.8 30.0 45.0

58 83.9 51.1 76.7#



#50

Toluene-d8

Concen: 52.428 ug/l

RT: 7.74 min Scan# 731

Delta R.T. 0.02 min

Lab File: VF062780.D

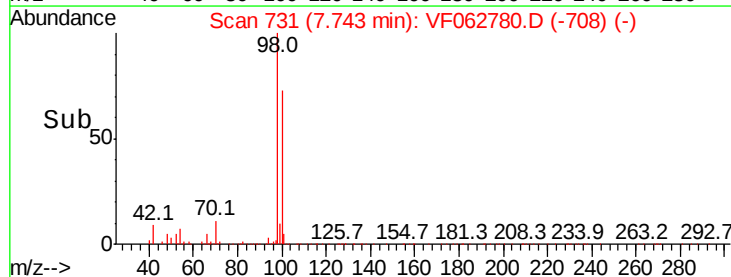
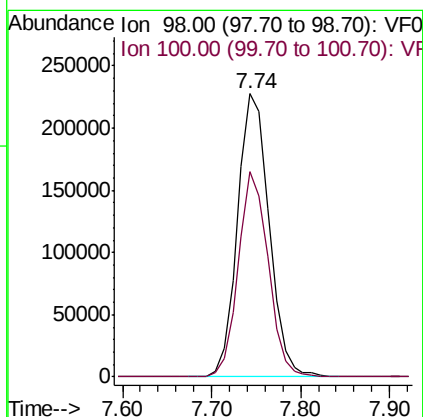
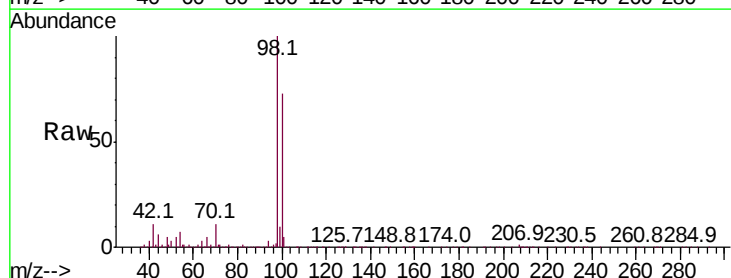
Acq: 29 May 2019 14:14

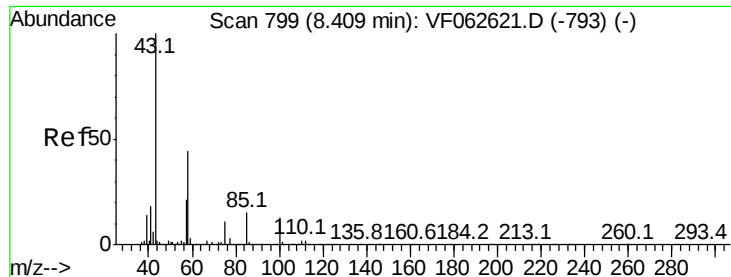
Tgt Ion: 98 Resp: 562117

Ion Ratio Lower Upper

98 100

100 72.6 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 239.334 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.04 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

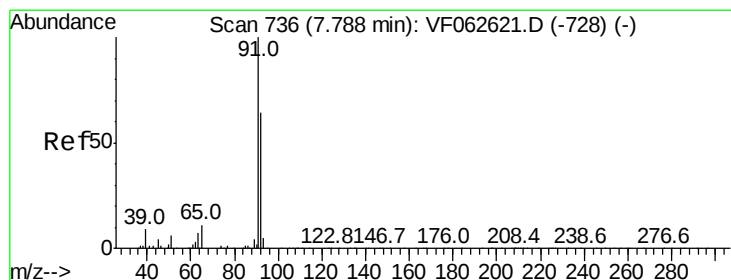
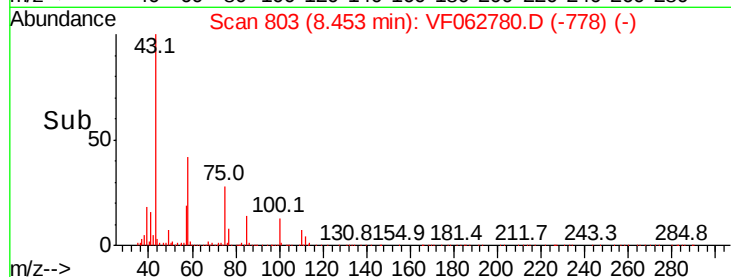
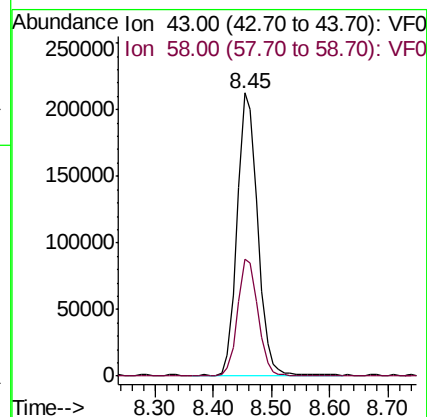
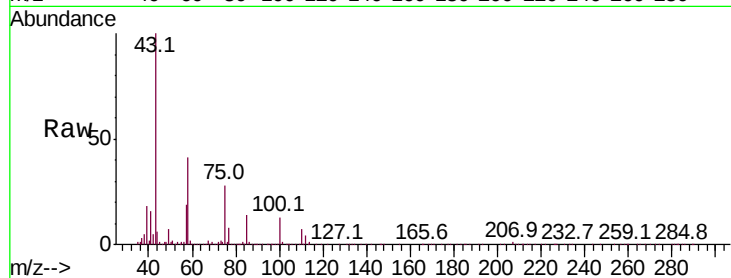
VF0529SBS02

Tot Ion: 43 Resp: 520368

Ion Ratio Lower Upper

43 100

58 41.4 34.9 52.3



#52

Toluene

Concen: 24.361 ug/l

RT: 7.81 min Scan# 738

Delta R.T. 0.02 min

Lab File: VF062780.D

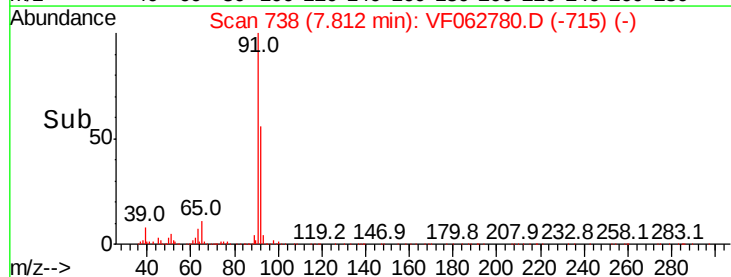
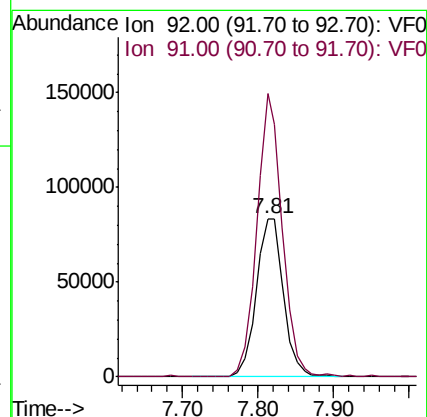
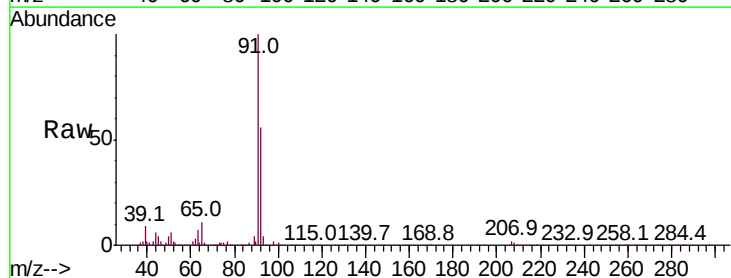
Acq: 29 May 2019 14:14

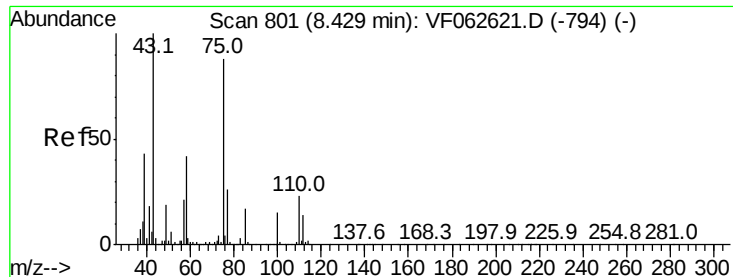
Tgt Ion: 92 Resp: 209294

Ion Ratio Lower Upper

92 100

91 179.2 125.4 188.0

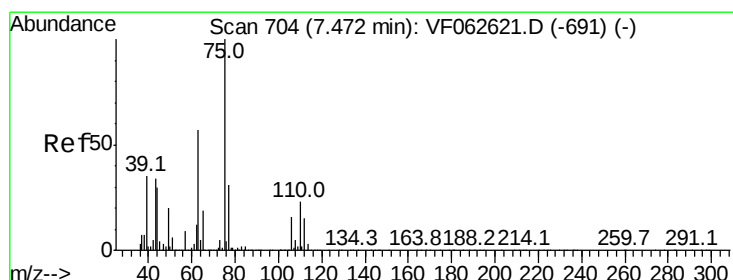
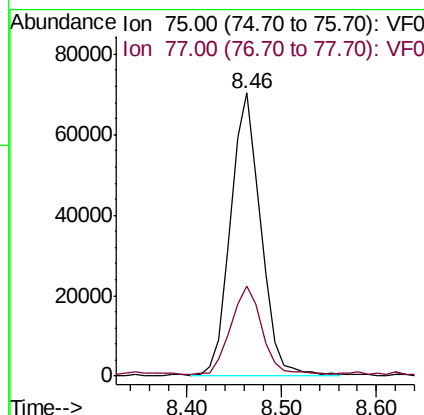
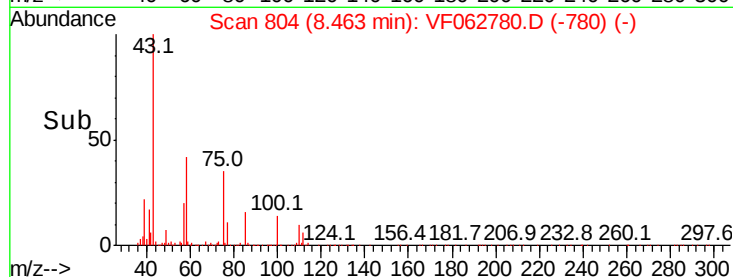
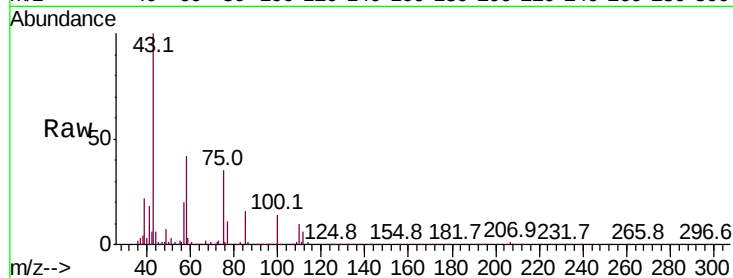




#53
 t-1,3-Dichloropropene
 Concen: 38.456 ug/l
 RT: 8.46 min Scan# 804
 Delta R.T. 0.03 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

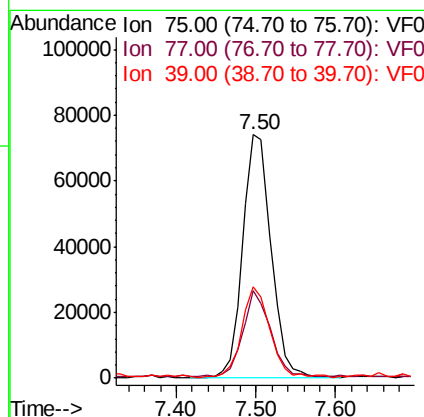
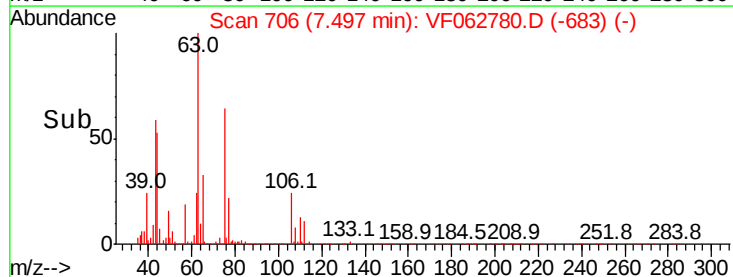
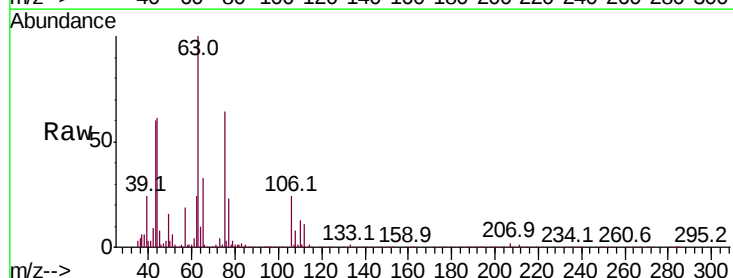
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

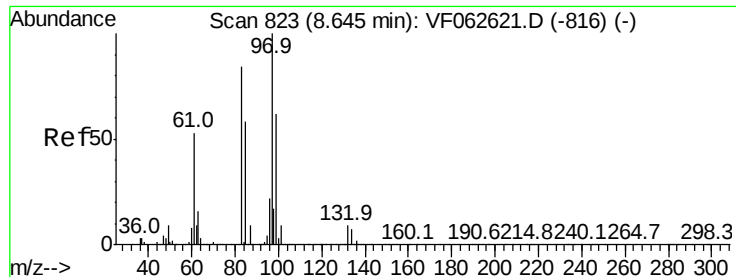
Tot Ion: 75 Resp: 156096
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 31.933 ug/l
 RT: 7.50 min Scan# 706
 Delta R.T. 0.02 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion: 75 Resp: 181444
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.3 37.9
 39 37.7 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 42.488 ug/l

RT: 8.67 min Scan# 825

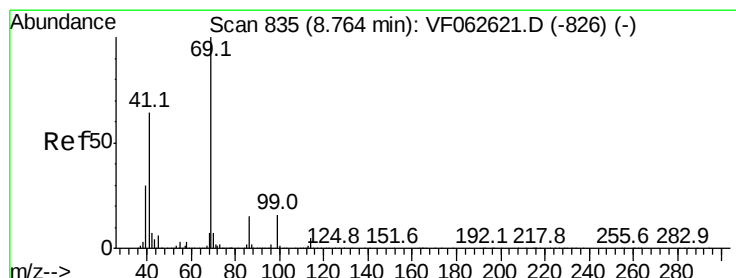
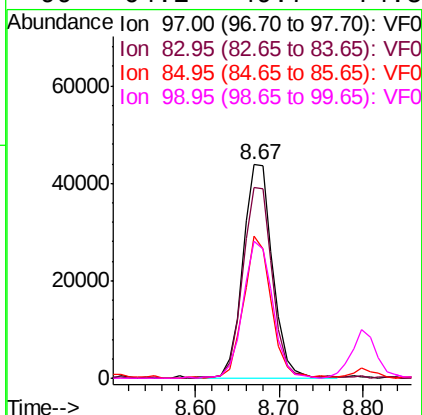
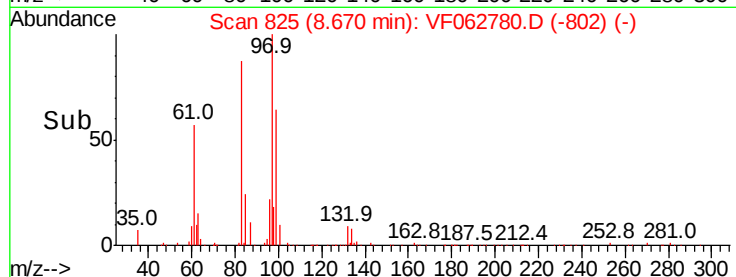
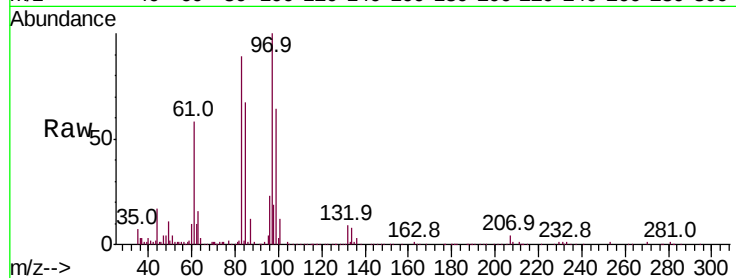
Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion:	97	Resp:	108080
Ion	Ratio	Lower	Upper
97	100		
83	89.3	67.3	100.9
85	66.5	46.6	69.8
99	64.2	49.7	74.5



#56

Ethyl methacrylate

Concen: 44.504 ug/l

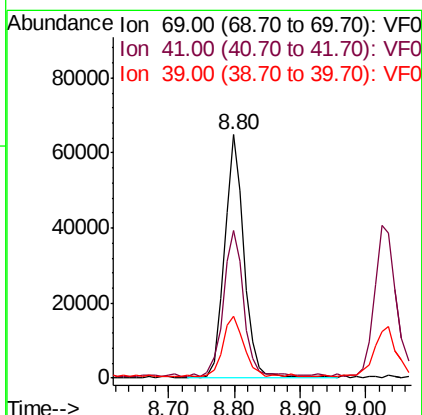
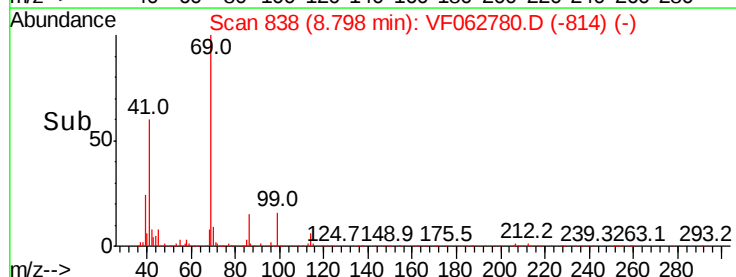
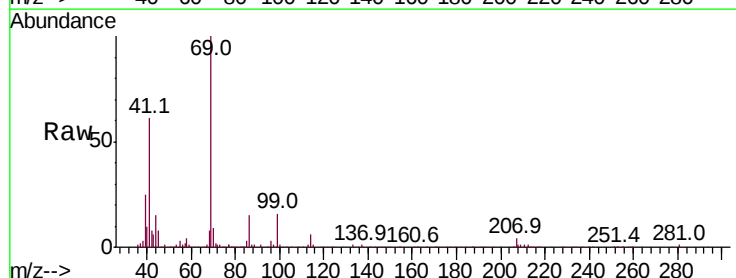
RT: 8.80 min Scan# 838

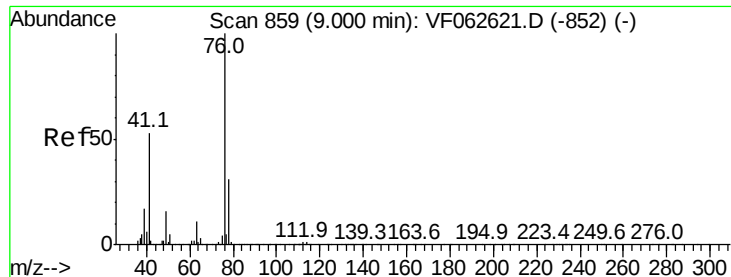
Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:	69	Resp:	134874
Ion	Ratio	Lower	Upper
69	100		
41	60.6	51.4	77.2
39	25.2	23.6	35.4





#57

1,3-Dichloropropane

Concen: 41.934 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.03 min

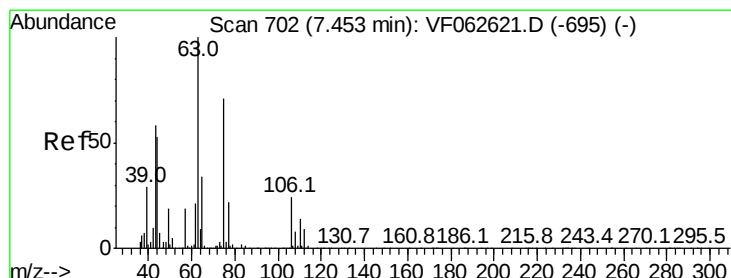
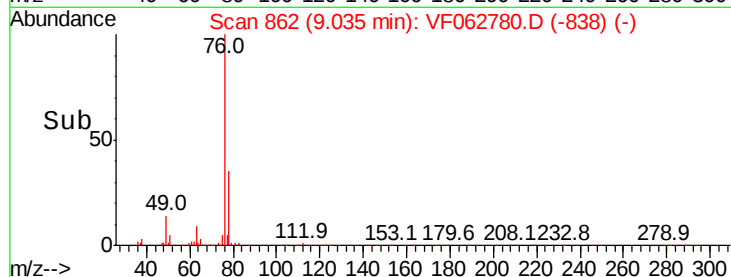
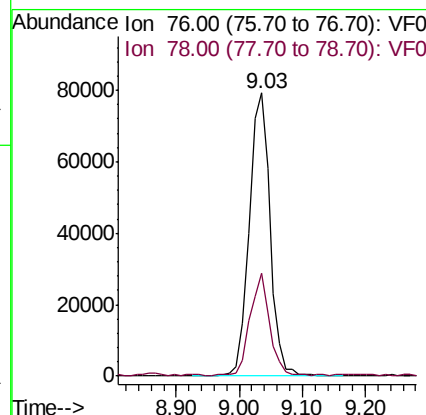
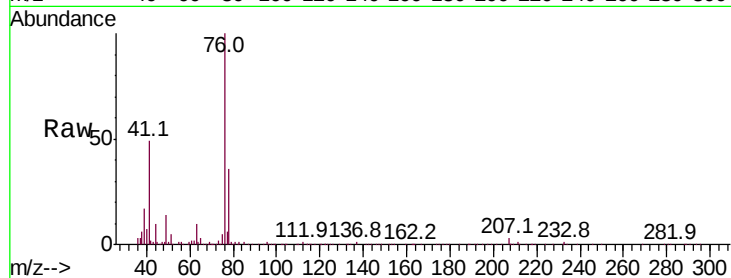
Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

Tot Ion: 76 Resp: 181691

Ion	Ratio	Lower	Upper
76	100		
78	36.3	25.4	38.0



#58

2-Chloroethyl Vinyl ether

Concen: 261.775 ug/l

RT: 7.50 min Scan# 706

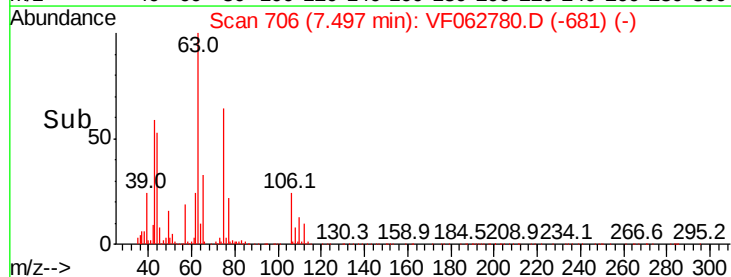
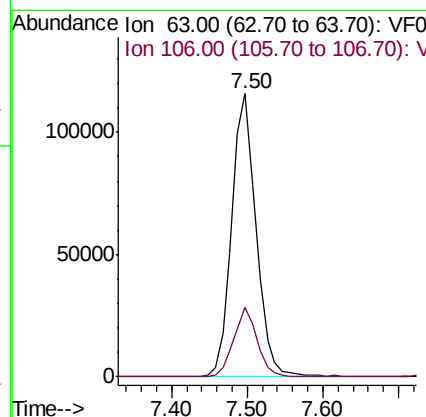
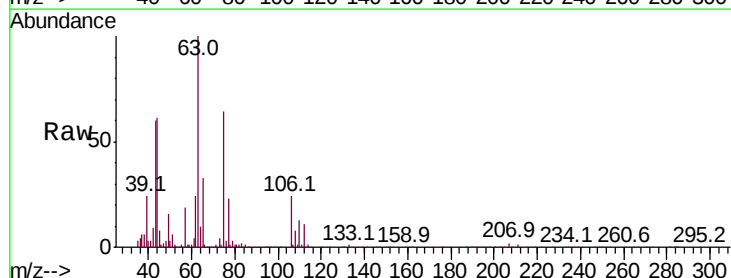
Delta R.T. 0.04 min

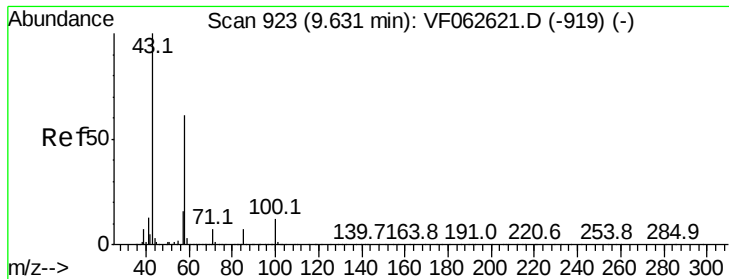
Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion: 63 Resp: 258231

Ion	Ratio	Lower	Upper
63	100		
106	24.4	19.1	28.7

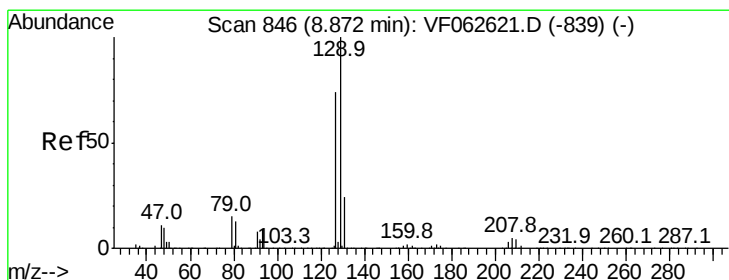
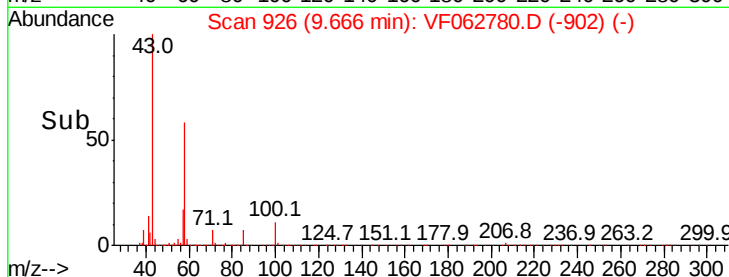
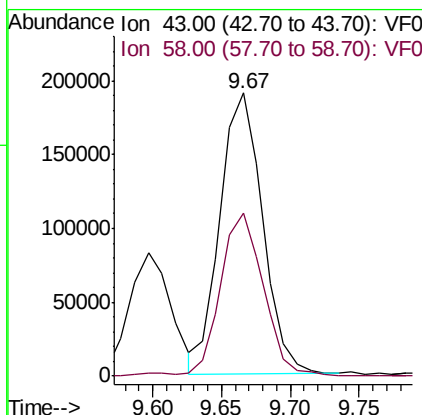
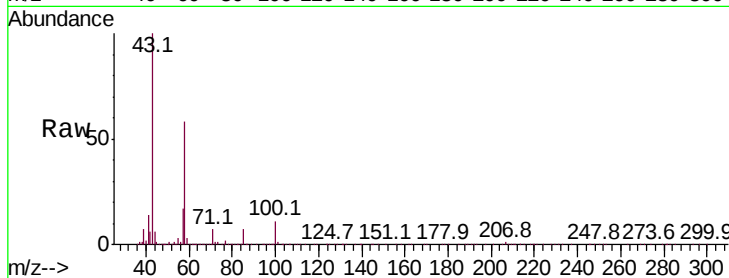




#59
2-Hexanone
Concen: 292.213 ug/l
RT: 9.67 min Scan# 926
Delta R.T. 0.03 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

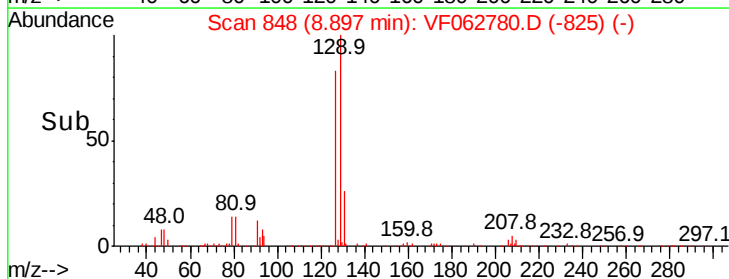
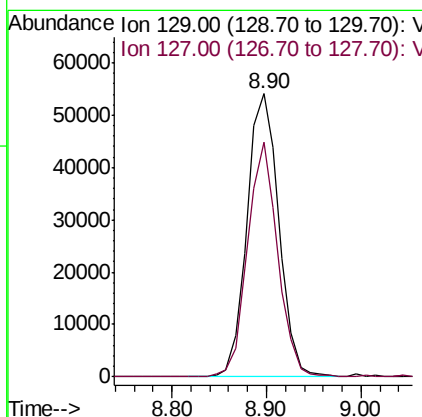
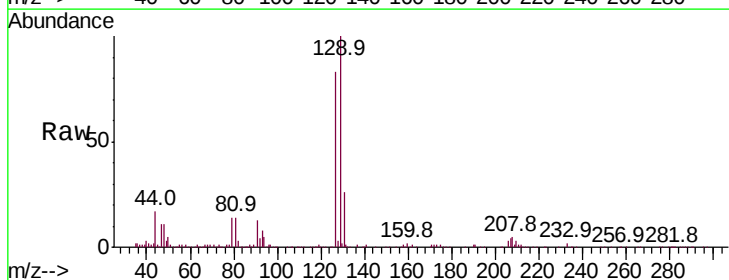
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

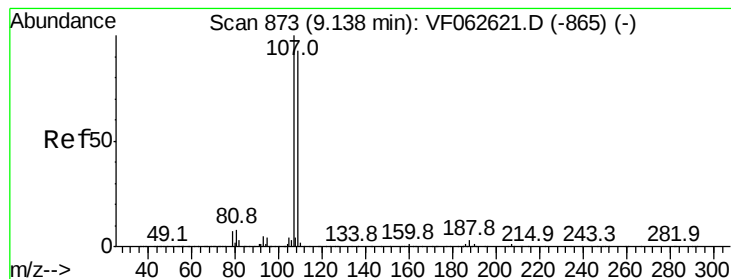
Tot Ion: 43 Resp: 409101
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.4



#60
Dibromochloromethane
Concen: 38.249 ug/l
RT: 8.90 min Scan# 848
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 129 Resp: 126809
Ion Ratio Lower Upper
129 100
127 82.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 43.014 ug/l

RT: 9.17 min Scan# 876

Delta R.T. 0.03 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

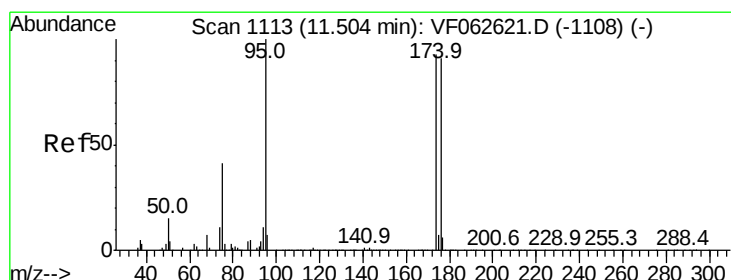
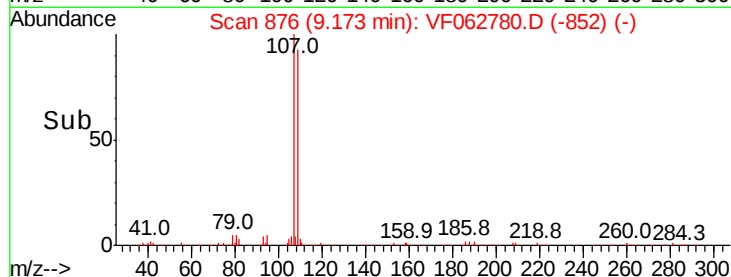
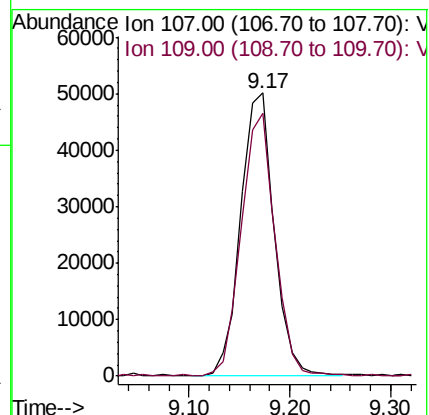
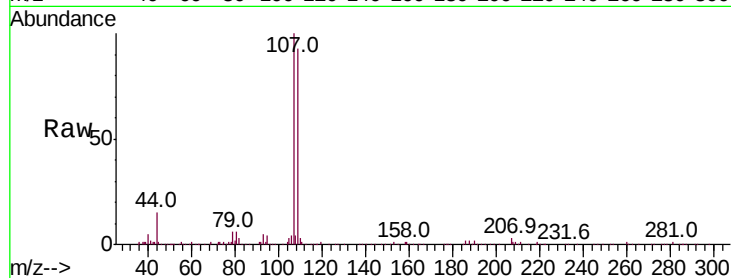
VF0529SBS02

Tot Ion:107 Resp: 116220

Ion Ratio Lower Upper

107 100

109 93.0 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 68.224 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

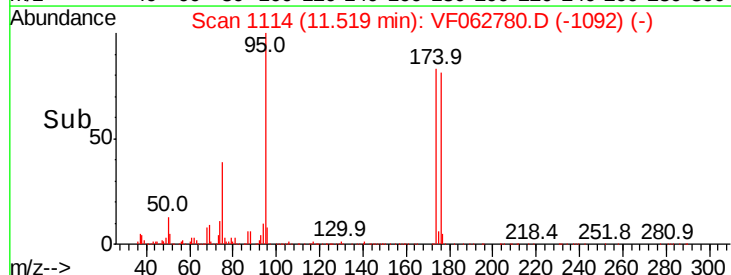
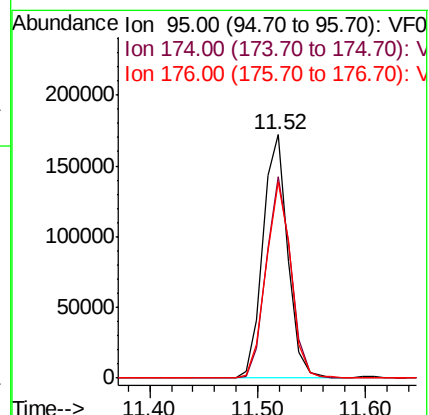
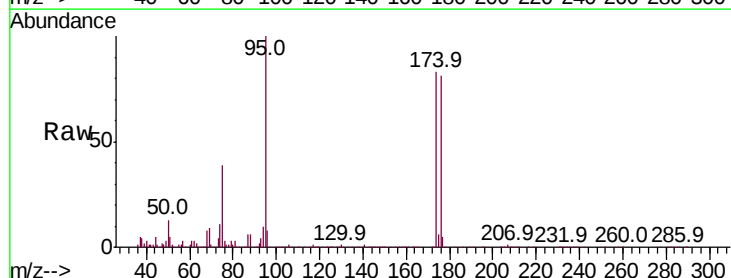
Tgt Ion: 95 Resp: 277422

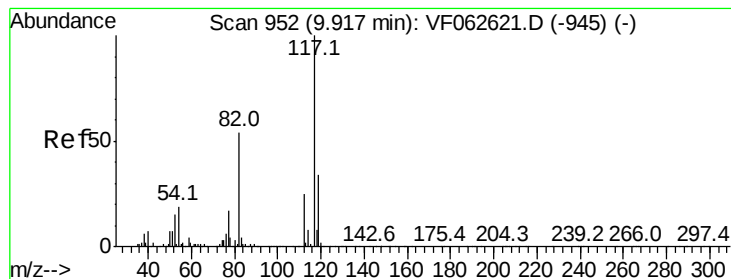
Ion Ratio Lower Upper

95 100

174 82.9 0.0 185.6

176 80.8 0.0 182.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

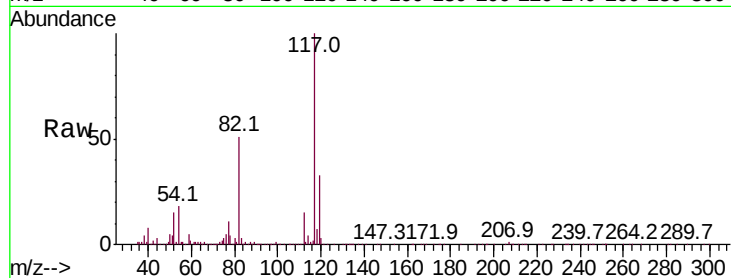
Tot Ion:117 Resp: 612714

Ion Ratio Lower Upper

117 100

82 50.9 43.3 64.9

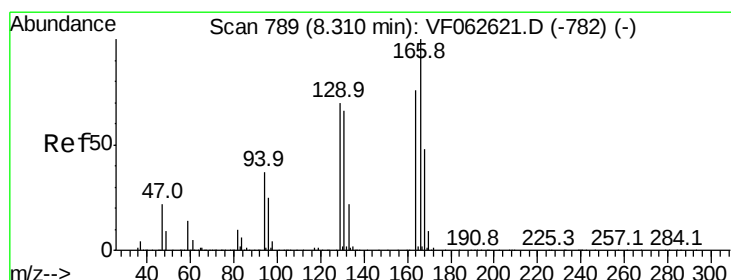
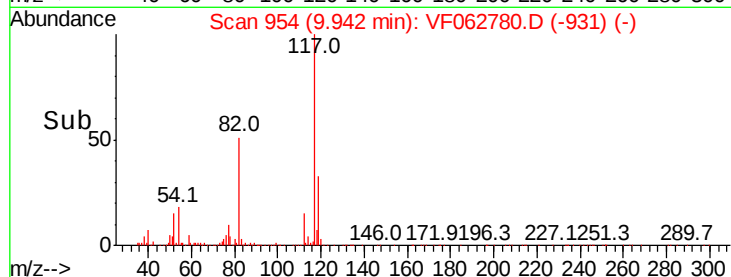
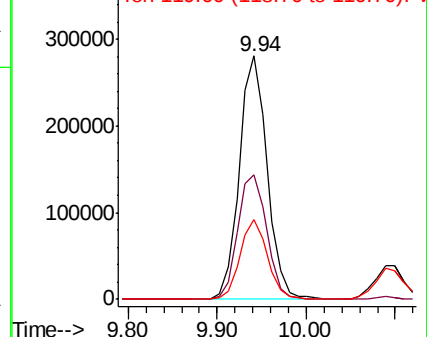
119 32.9 27.4 41.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 14.286 ug/l

RT: 8.33 min Scan# 791

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:164 Resp: 69344

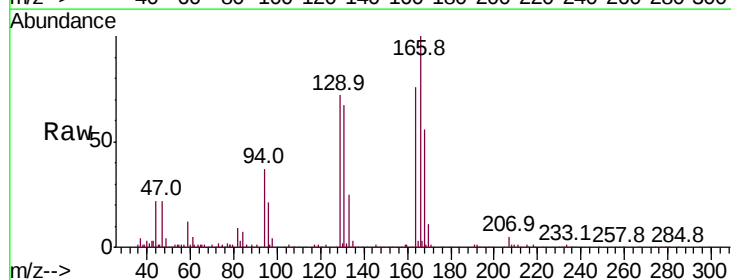
Ion Ratio Lower Upper

164 100

166 130.7 105.5 158.3

129 94.3 73.8 110.6

131 88.2 69.5 104.3

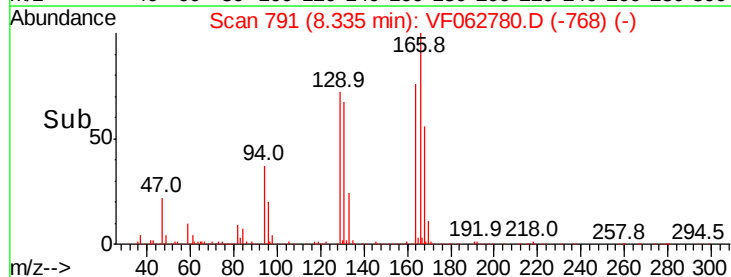
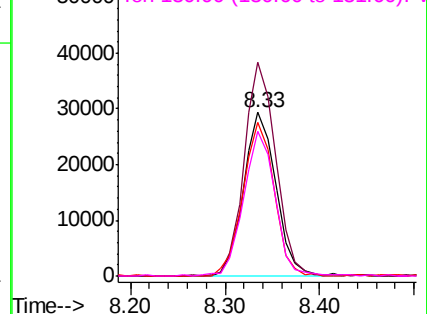


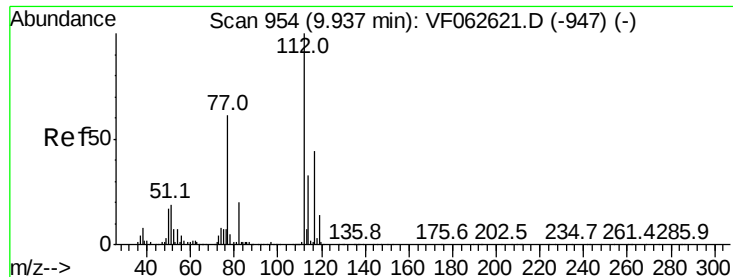
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

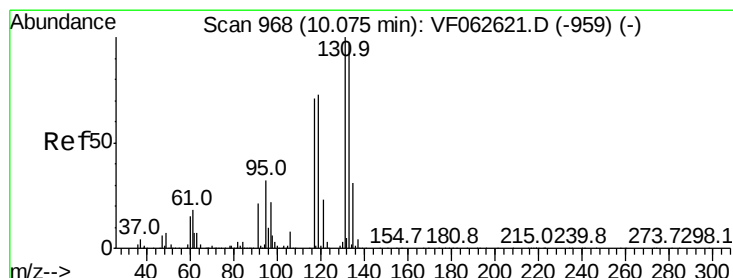
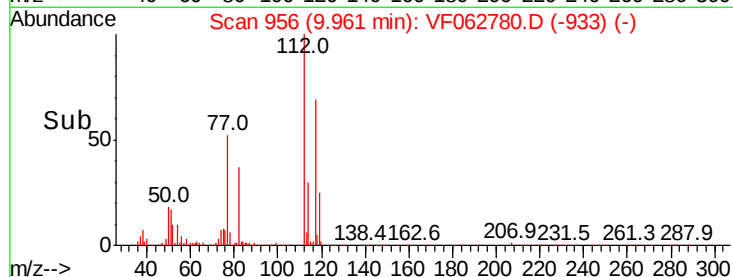
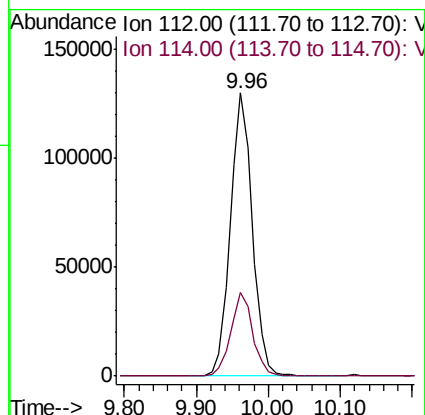
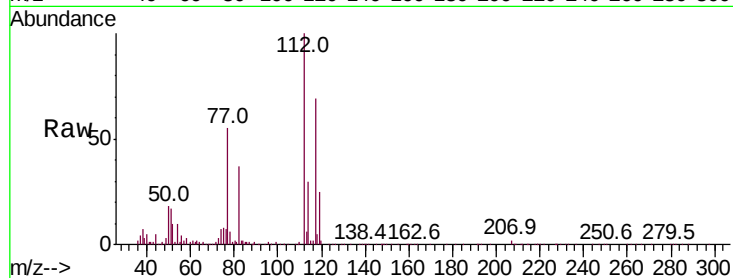




#65
Chlorobenzene
Concen: 22.878 ug/l
RT: 9.96 min Scan# 956
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

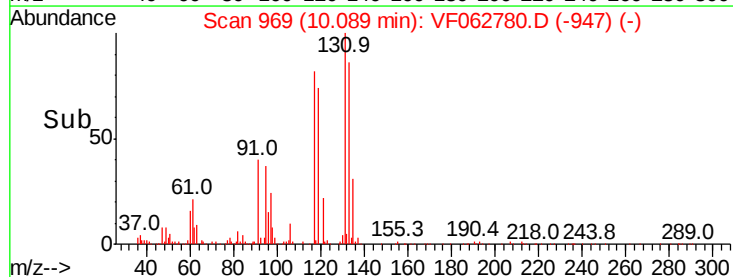
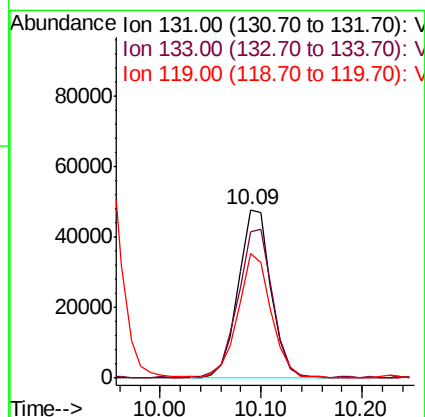
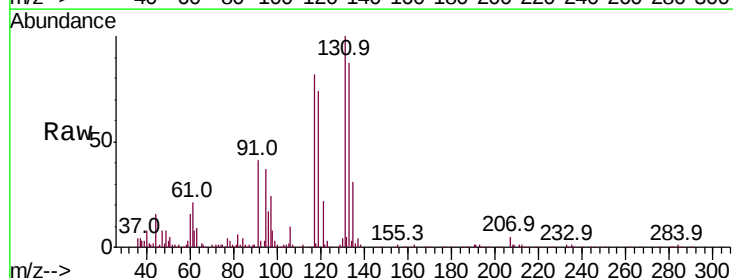
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

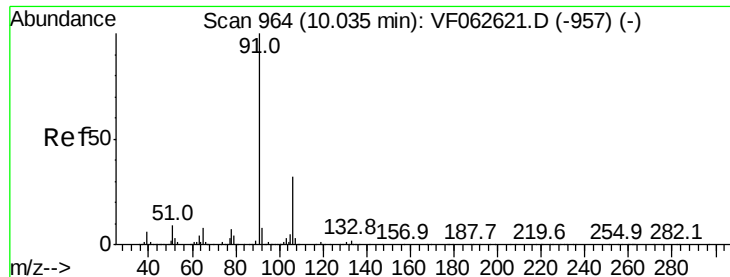
Tot Ion:112 Resp: 275322
Ion Ratio Lower Upper
112 100
114 29.8 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.446 ug/l
RT: 10.09 min Scan# 969
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion:131 Resp: 108440
Ion Ratio Lower Upper
131 100
133 87.2 48.5 145.5
119 74.2 36.8 110.4





#67

Ethyl Benzene

Concen: 19.291 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

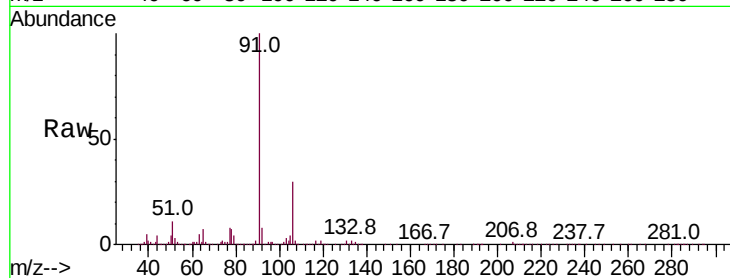
VF0529SBS02

Tot Ion: 91 Resp: 403297

Ion Ratio Lower Upper

91 100

106 30.1 25.8 38.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

200000

150000

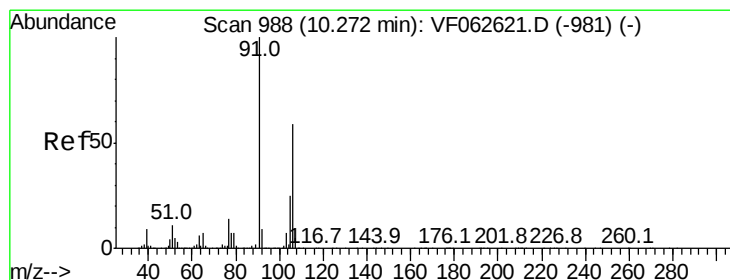
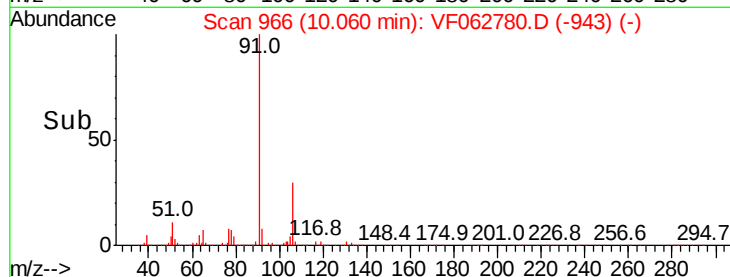
100000

50000

0

10.00 10.10 10.20

Time-->



#68

m/p-Xylenes

Concen: 37.266 ug/l

RT: 10.29 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF062780.D

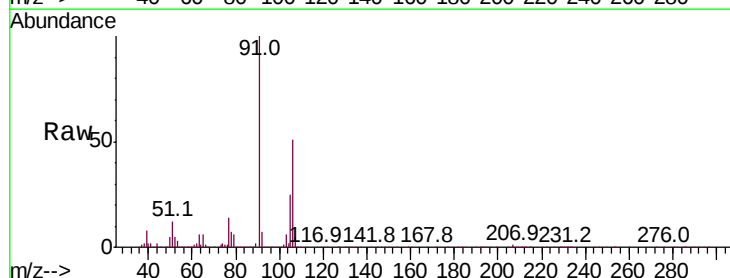
Acq: 29 May 2019 14:14

Tgt Ion: 106 Resp: 292819

Ion Ratio Lower Upper

106 100

91 195.7 136.9 205.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

300000

250000

200000

150000

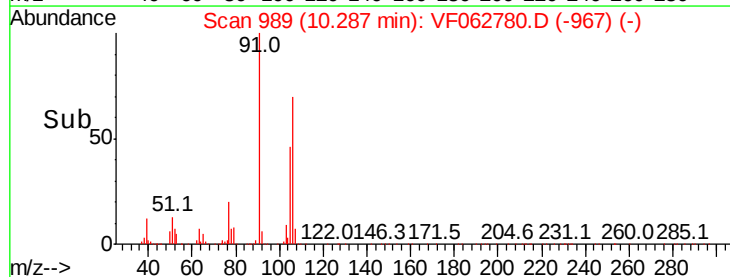
100000

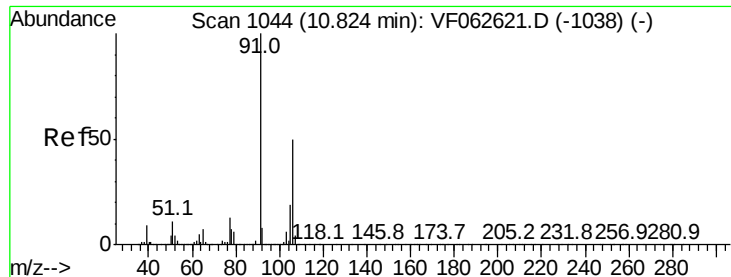
50000

0

10.20 10.30 10.40

Time-->

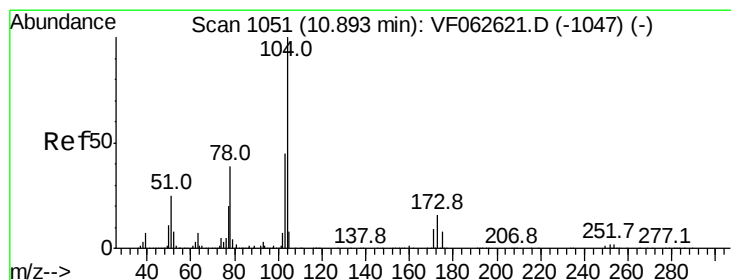
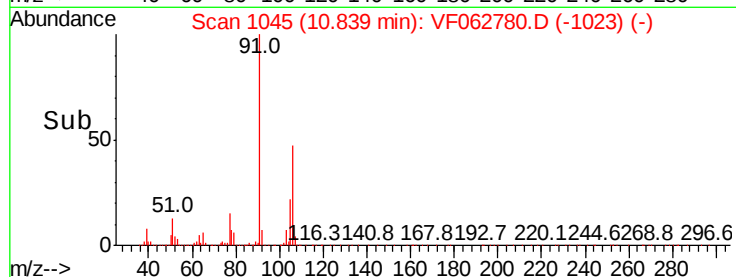
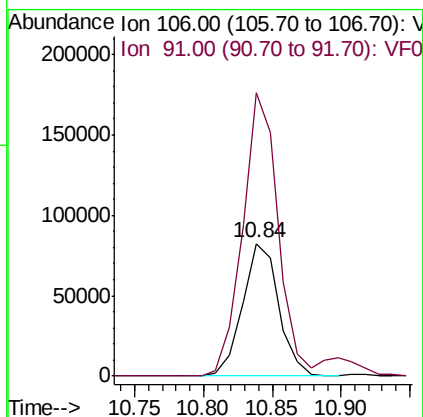
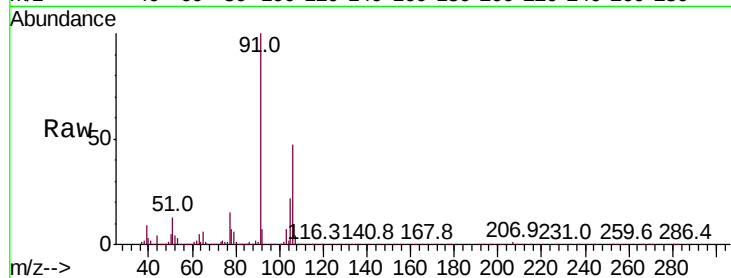




#69
o-Xylene
Concen: 18.776 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

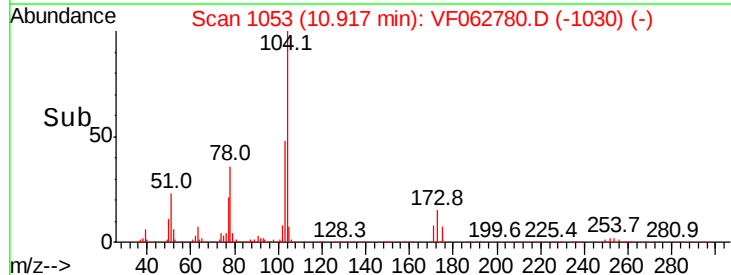
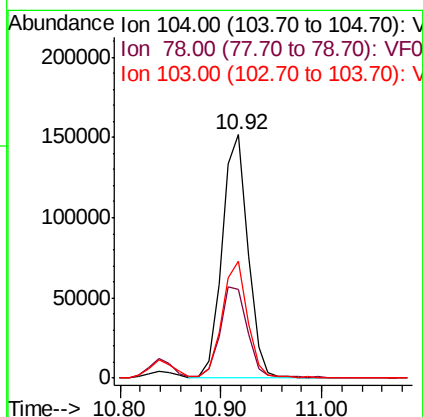
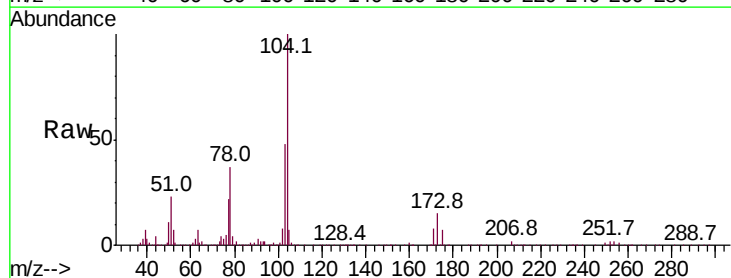
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

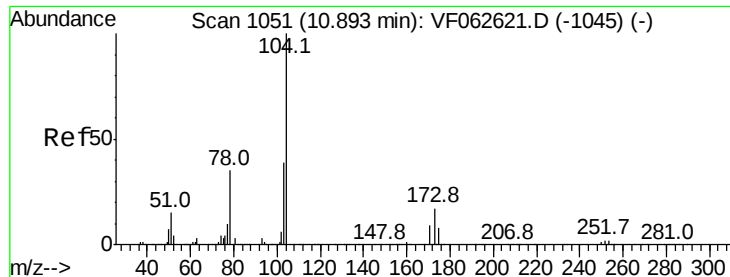
Tot Ion:106 Resp: 151962
Ion Ratio Lower Upper
106 100
91 213.8 100.2 300.5



#70
Styrene
Concen: 21.980 ug/l
RT: 10.92 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion:104 Resp: 270382
Ion Ratio Lower Upper
104 100
78 36.5 31.9 47.9
103 47.9 36.1 54.1





#71

Bromoform

Concen: 34.985 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

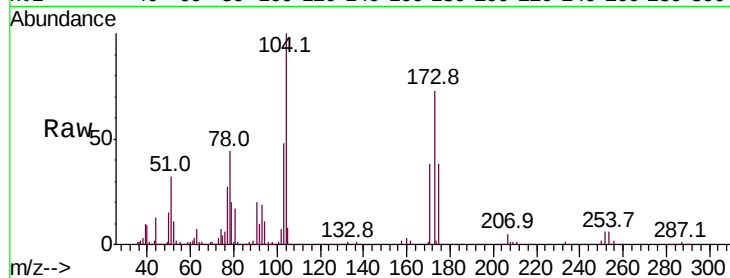
Tot Ion:173 Resp: 84651

Ion Ratio Lower Upper

173 100

175 50.1 25.3 75.9

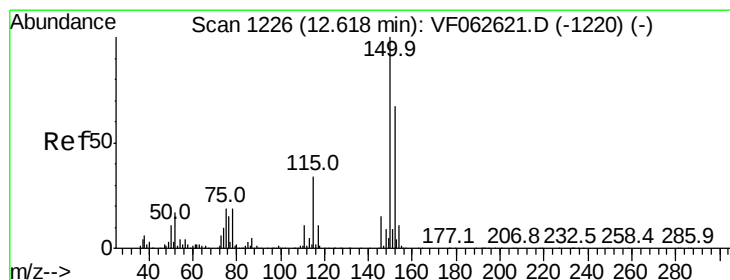
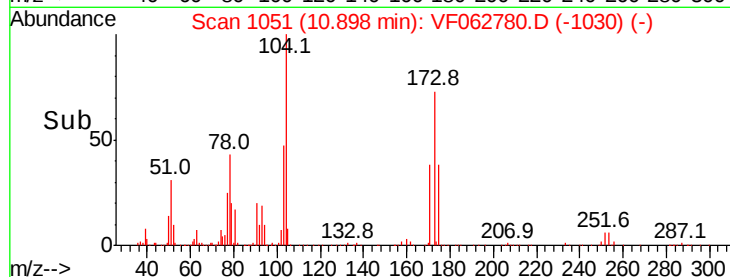
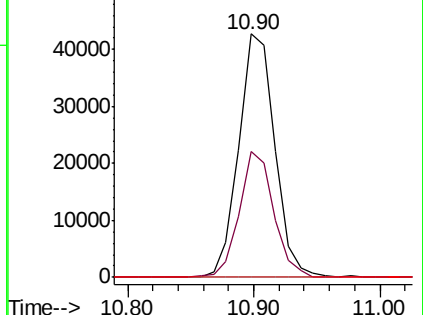
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

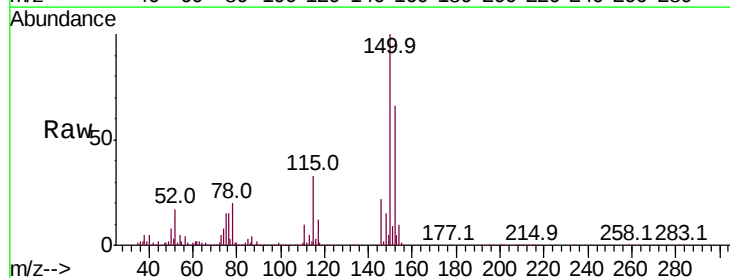
Tgt Ion:152 Resp: 328799

Ion Ratio Lower Upper

152 100

115 50.1 25.2 75.6

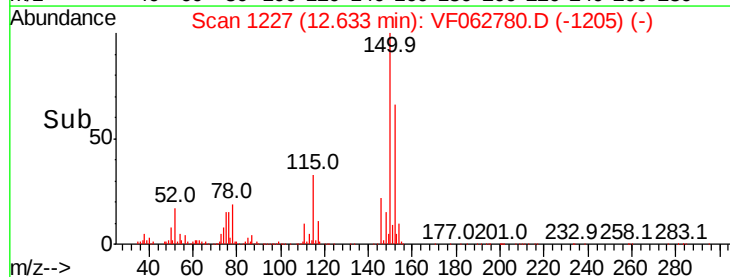
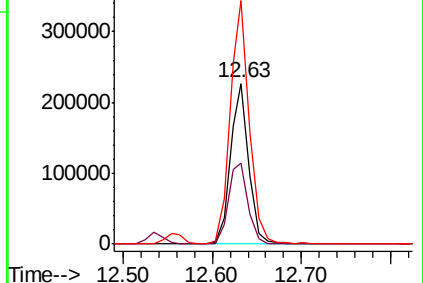
150 151.4 0.0 306.2

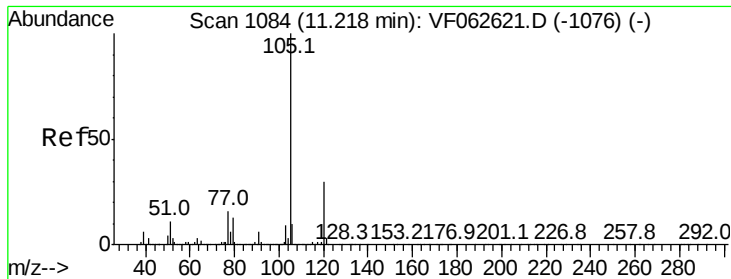


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 15.131 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

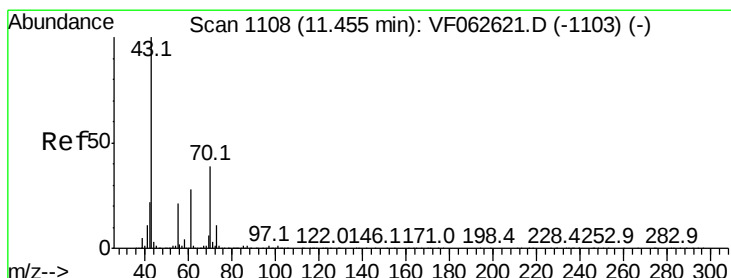
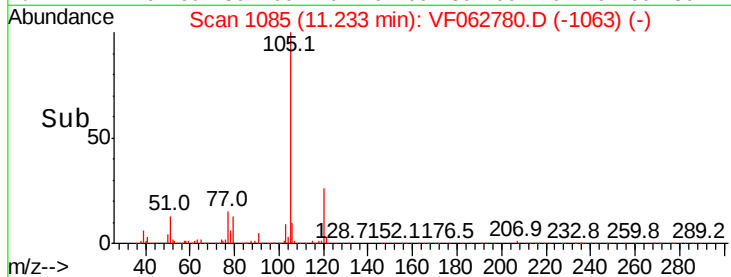
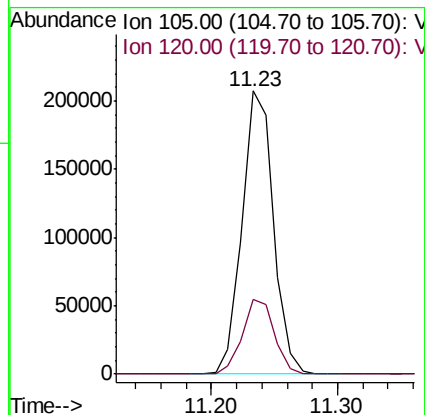
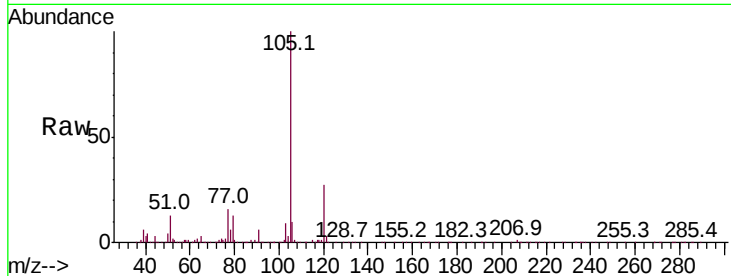
VF0529SBS02

Tot Ion:105 Resp: 356561

Ion Ratio Lower Upper

105 100

120 26.5 14.8 44.4



#74

N-ethyl acetate

Concen: 31.281 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.02 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion: 43 Resp: 199674

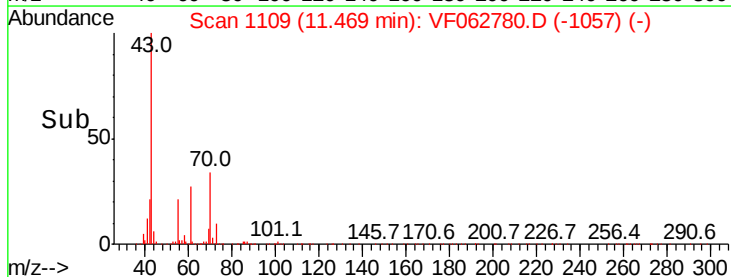
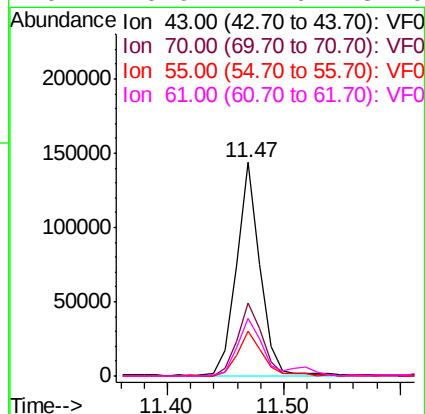
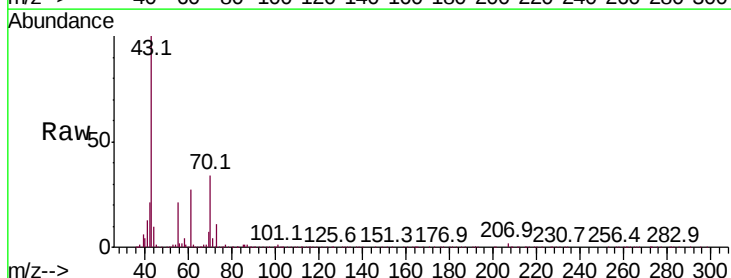
Ion Ratio Lower Upper

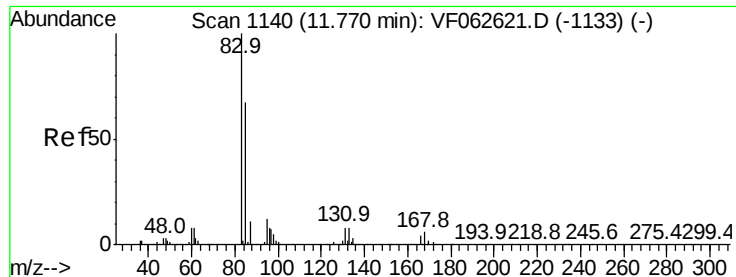
43 100

70 34.2 30.9 46.3

55 20.9 17.0 25.4

61 26.9 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 31.386 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

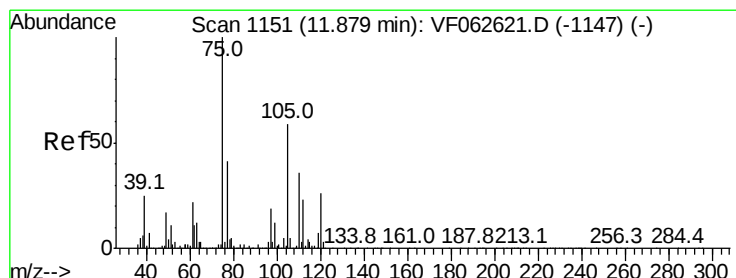
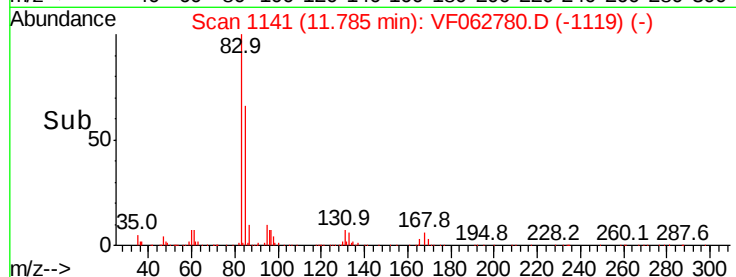
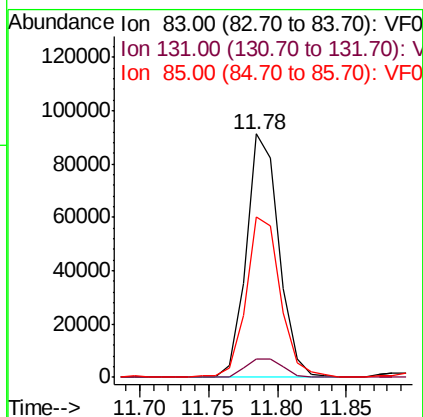
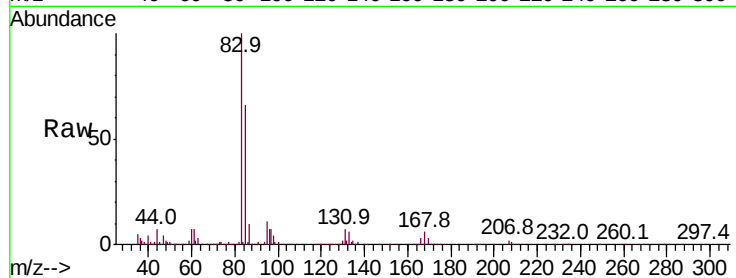
Tot Ion: 83 Resp: 151152

Ion Ratio Lower Upper

83 100

131 7.3 4.0 12.0

85 65.8 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 31.157 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF062780.D

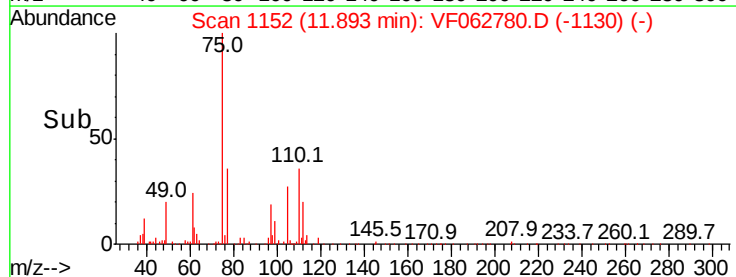
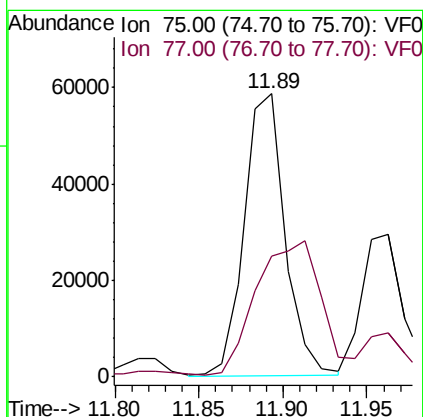
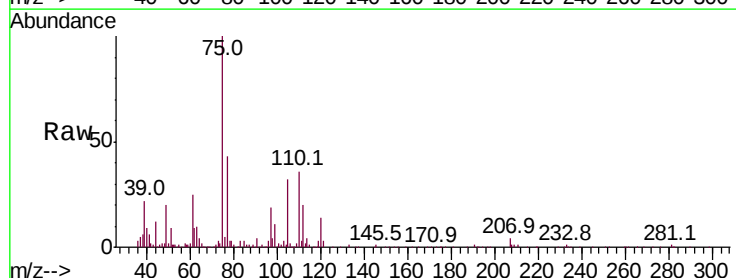
Acq: 29 May 2019 14:14

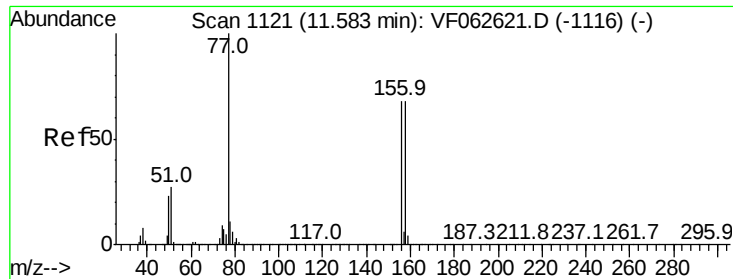
Tgt Ion: 75 Resp: 98591

Ion Ratio Lower Upper

75 100

77 42.5 20.6 61.8





#77

Bromobenzene

Concen: 20.503 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

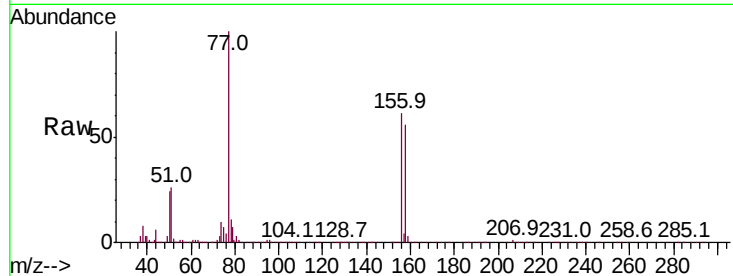
Tot Ion:156 Resp: 120100

Ion Ratio Lower Upper

156 100

77 163.9 73.6 220.8

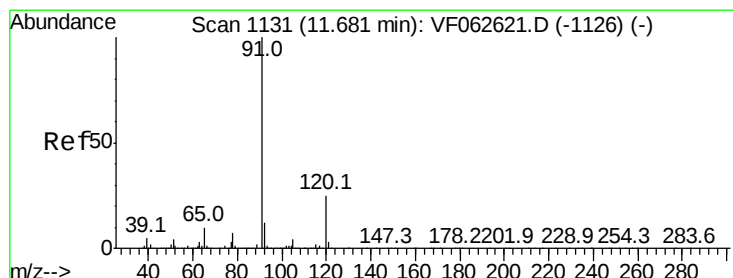
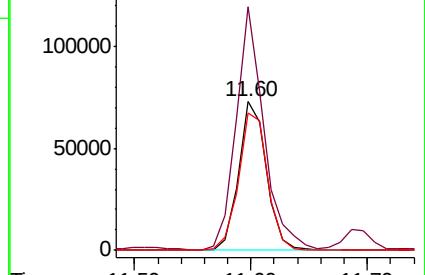
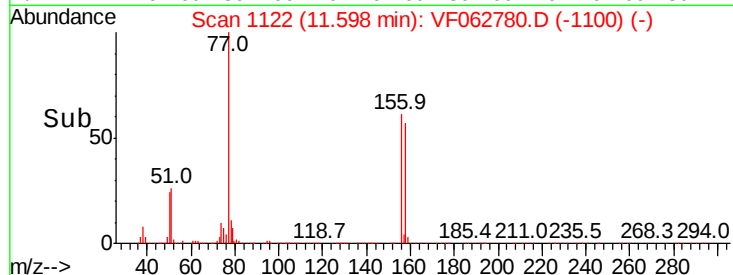
158 92.5 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 16.050 ug/l

RT: 11.70 min Scan# 1132

Delta R.T. 0.01 min

Lab File: VF062780.D

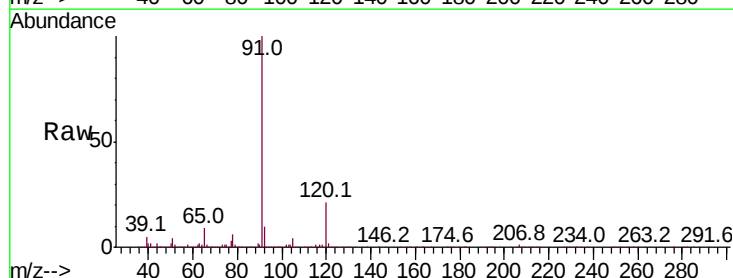
Acq: 29 May 2019 14:14

Tgt Ion: 91 Resp: 447622

Ion Ratio Lower Upper

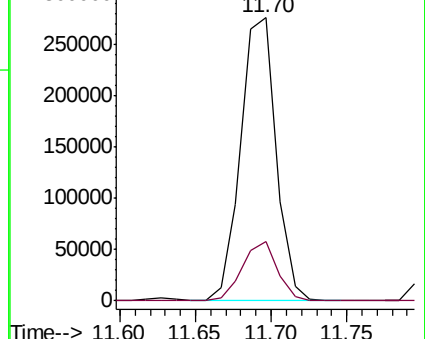
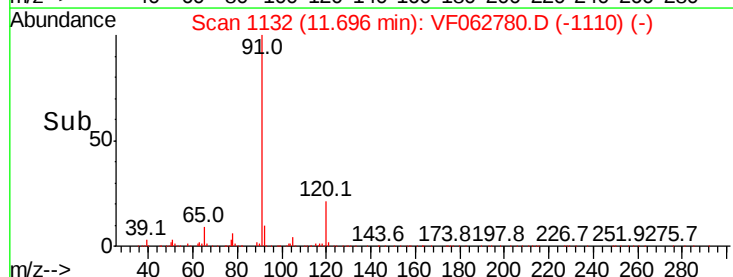
91 100

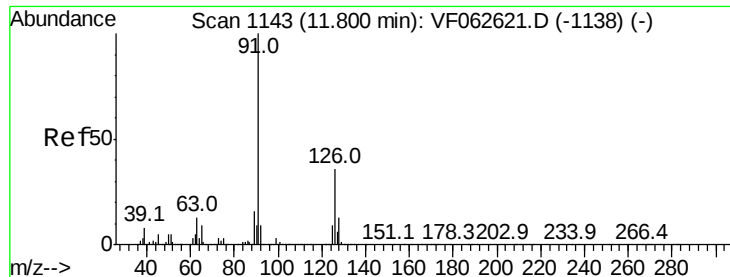
120 21.2 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.434 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

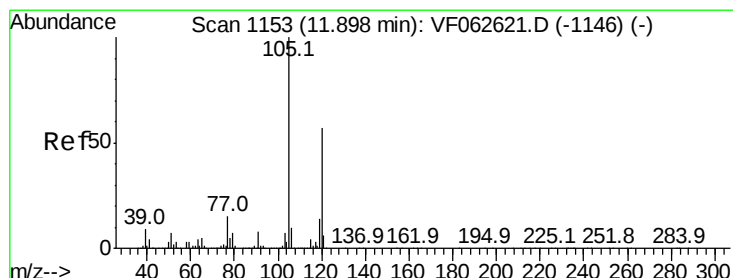
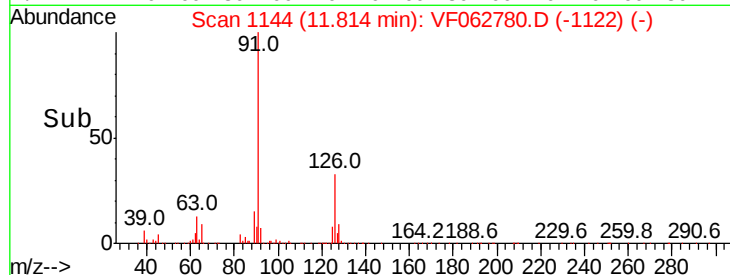
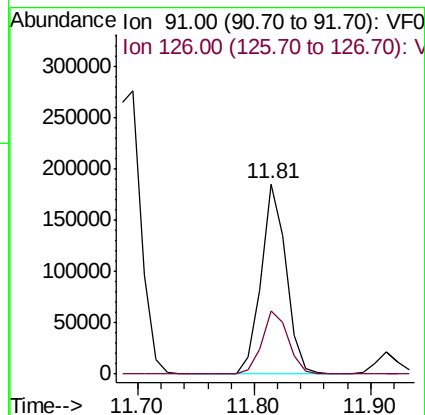
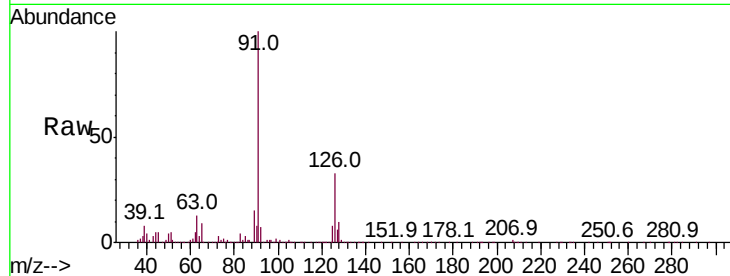
VF0529SBS02

Tot Ion: 91 Resp: 274010

Ion Ratio Lower Upper

91 100

126 33.4 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 15.340 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062780.D

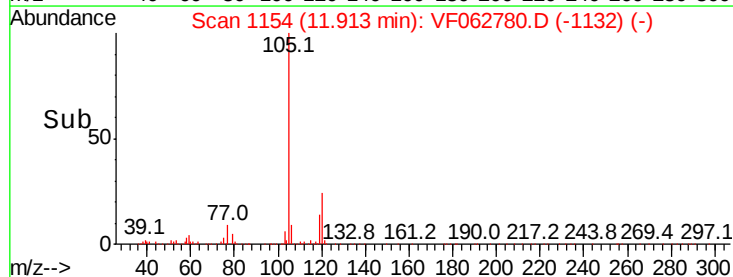
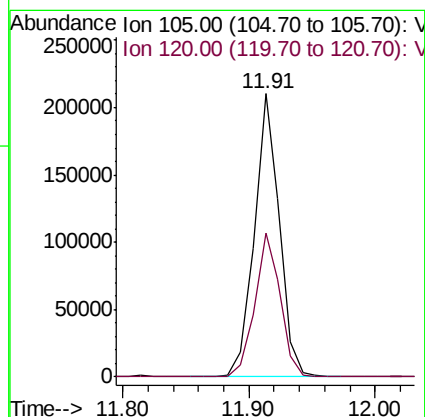
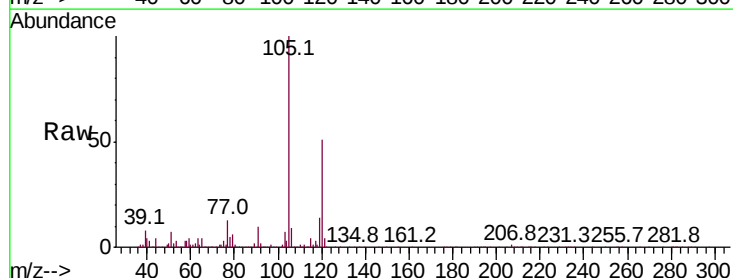
Acq: 29 May 2019 14:14

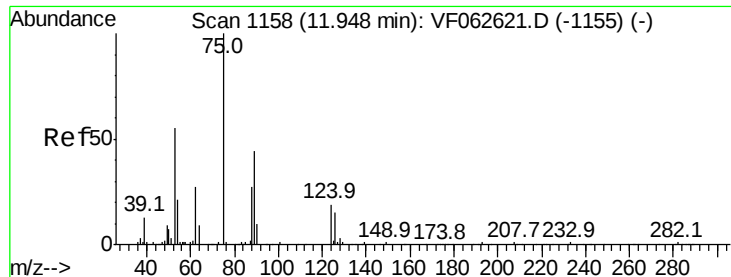
Tgt Ion:105 Resp: 289856

Ion Ratio Lower Upper

105 100

120 50.9 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 39.284 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

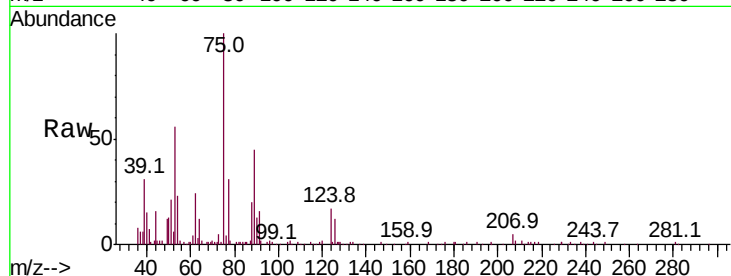
Tot Ion: 75 Resp: 55256

Ion Ratio Lower Upper

75 100

53 55.9 46.9 70.3

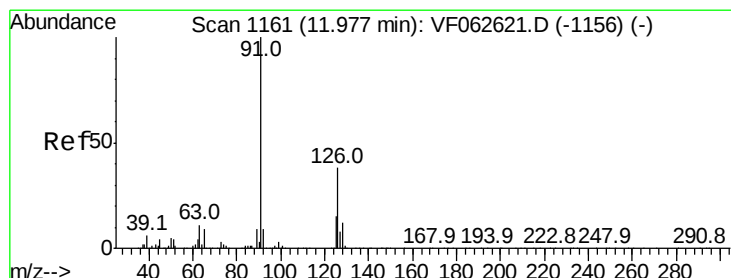
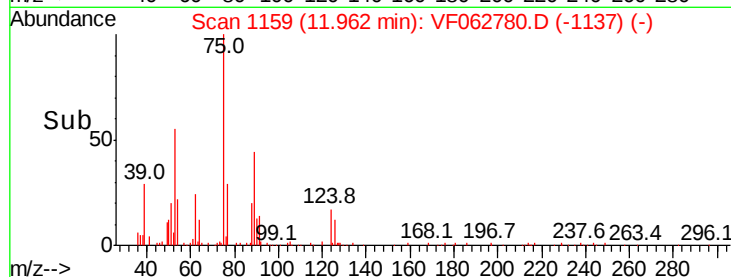
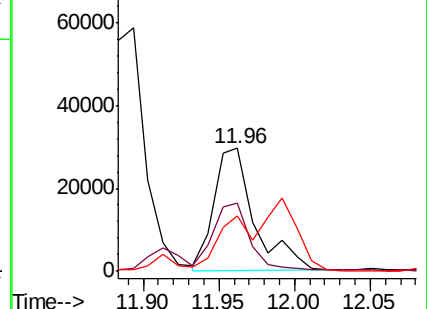
89 45.1 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 18.233 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VF062780.D

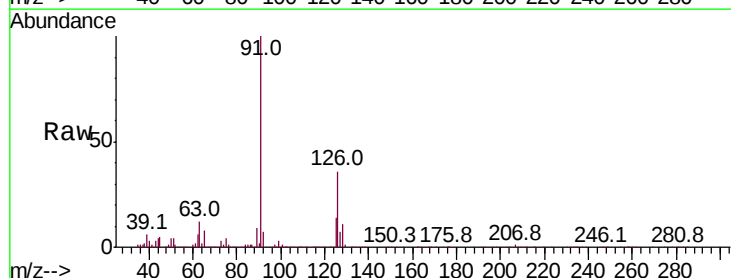
Acq: 29 May 2019 14:14

Tgt Ion: 91 Resp: 282601

Ion Ratio Lower Upper

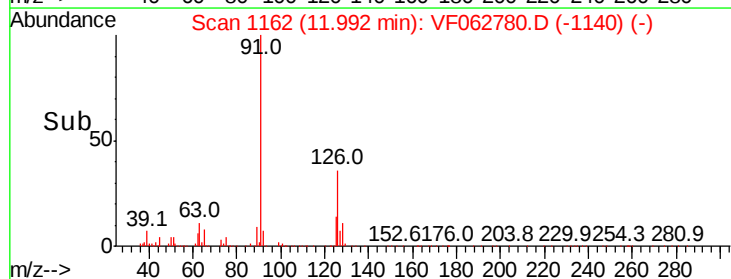
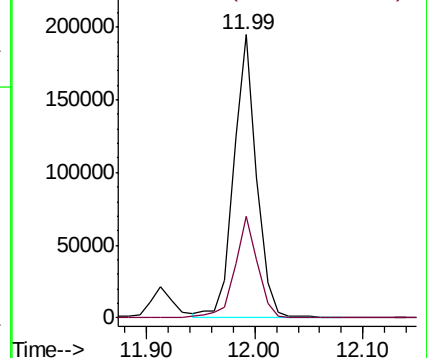
91 100

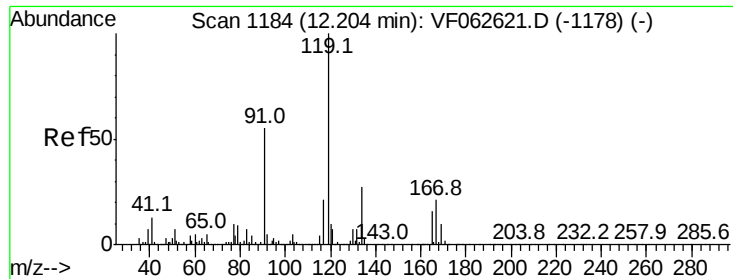
126 35.7 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 15.158 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

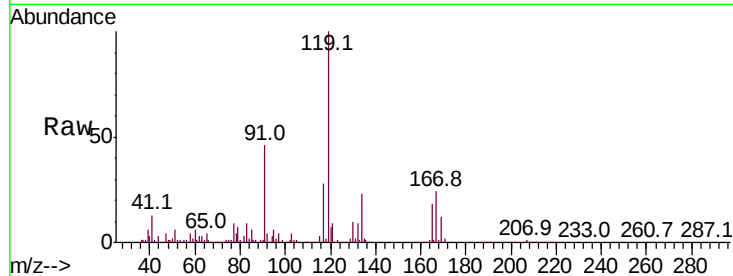
Tot Ion:119 Resp: 290595

Ion Ratio Lower Upper

119 100

91 45.8 27.3 81.9

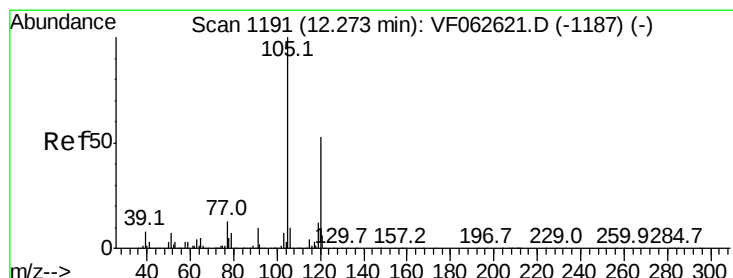
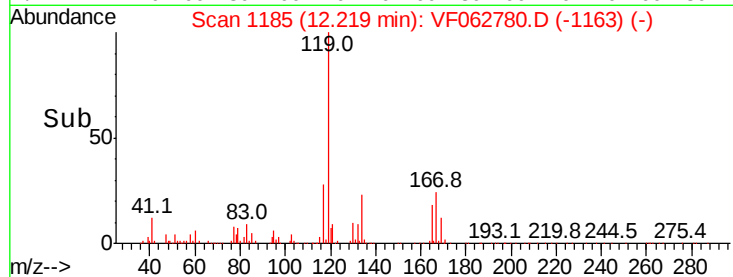
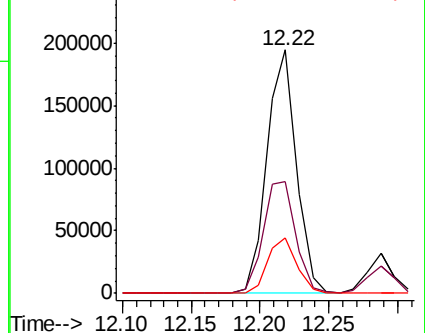
134 22.8 13.6 40.7



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: 17.554 ug/l

RT: 12.29 min Scan# 1192

Delta R.T. 0.01 min

Lab File: VF062780.D

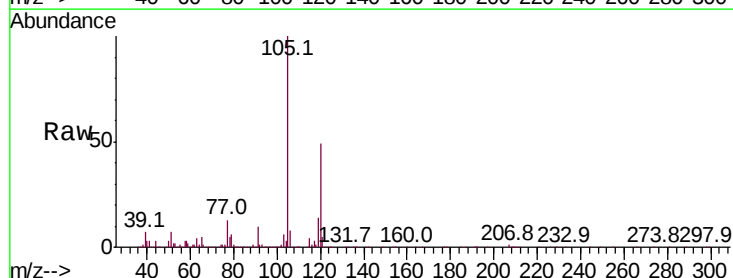
Acq: 29 May 2019 14:14

Tgt Ion:105 Resp: 321033

Ion Ratio Lower Upper

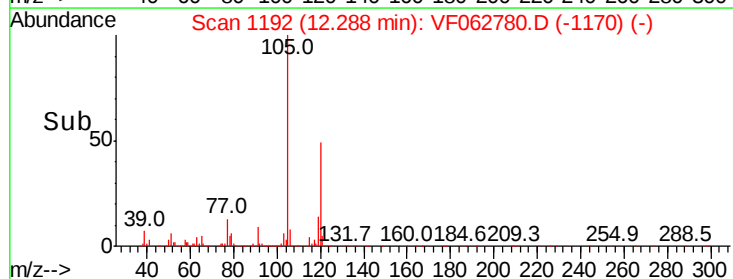
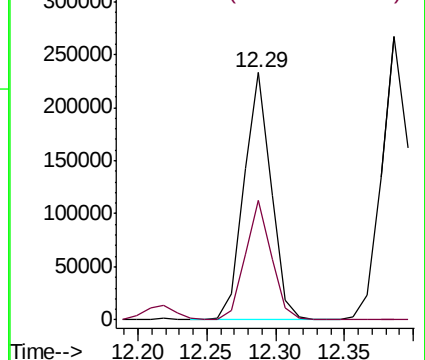
105 100

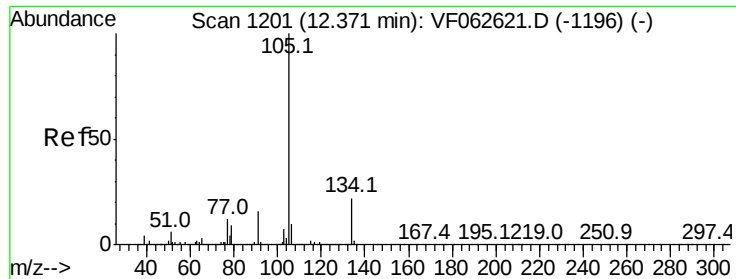
120 48.6 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 14.416 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

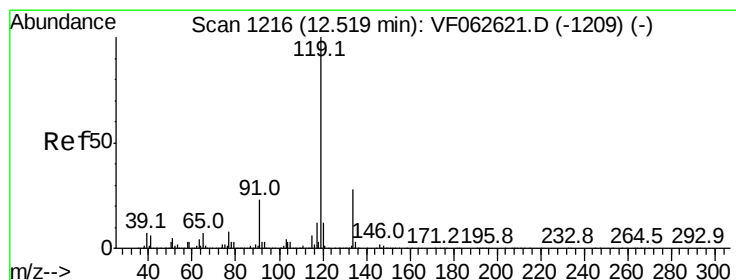
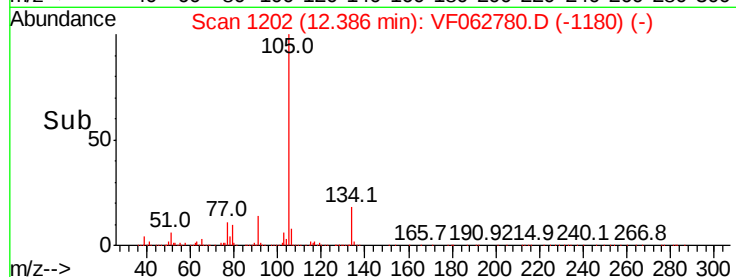
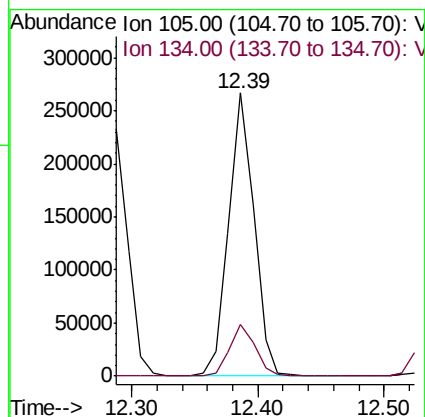
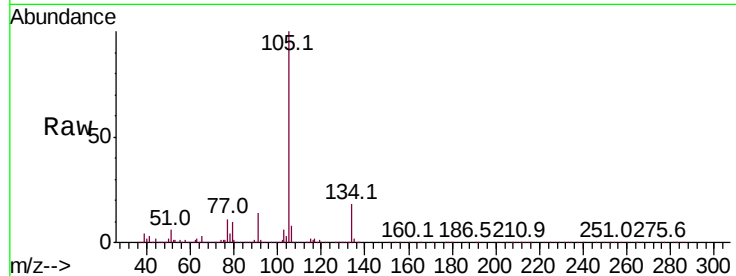
VF0529SBS02

Tot Ion:105 Resp: 370886

Ion Ratio Lower Upper

105 100

134 18.4 10.8 32.4



#86

p-Isopropyltoluene

Concen: 15.172 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

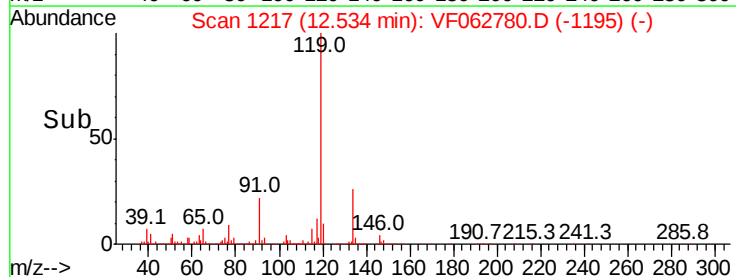
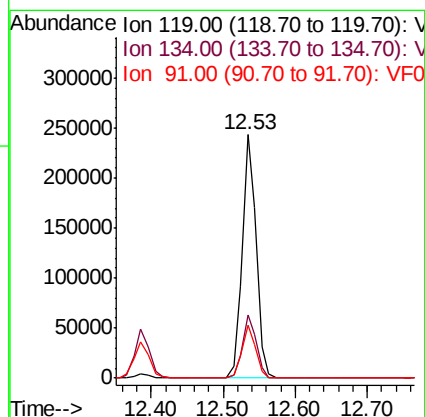
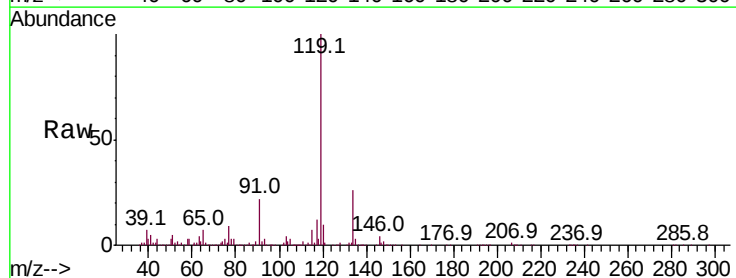
Tgt Ion:119 Resp: 328961

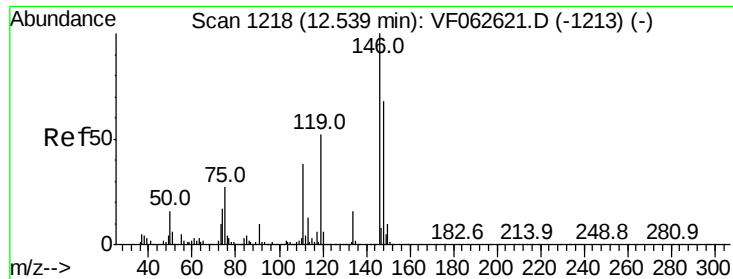
Ion Ratio Lower Upper

119 100

134 25.7 14.1 42.3

91 21.8 11.4 34.2

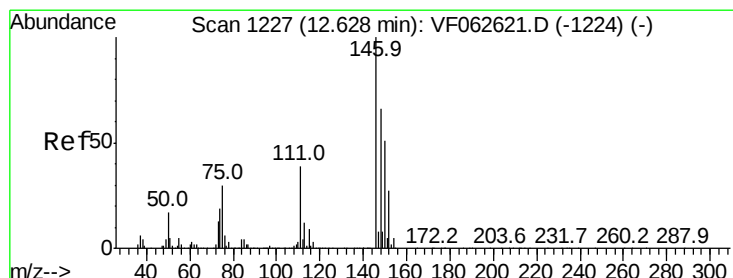
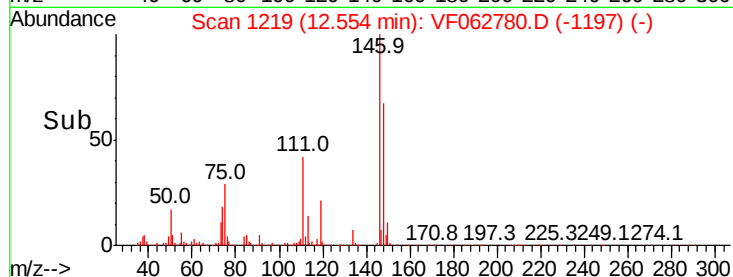
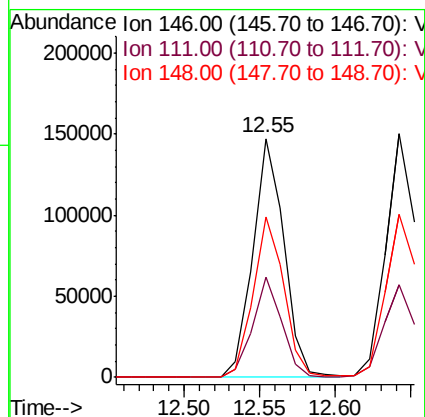
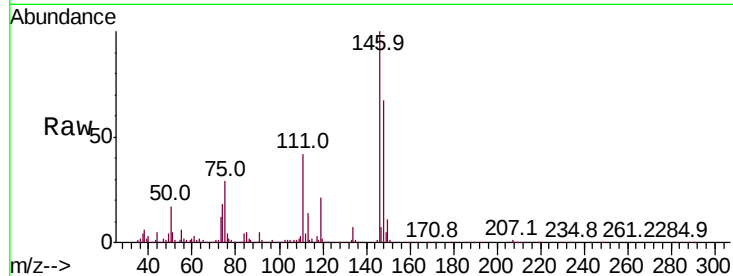




#87
 1,3-Dichlorobenzene
 Concen: 19.937 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

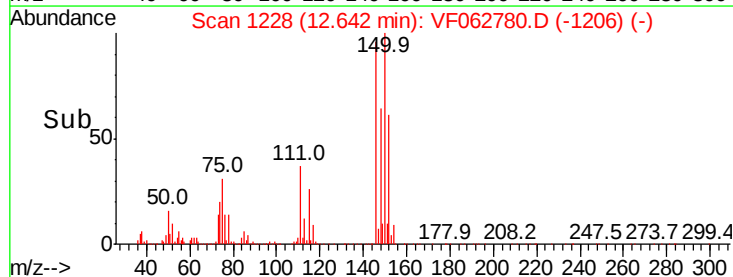
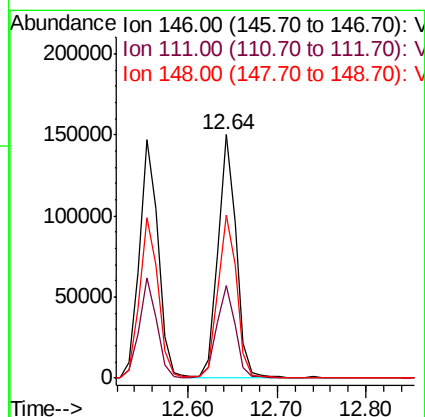
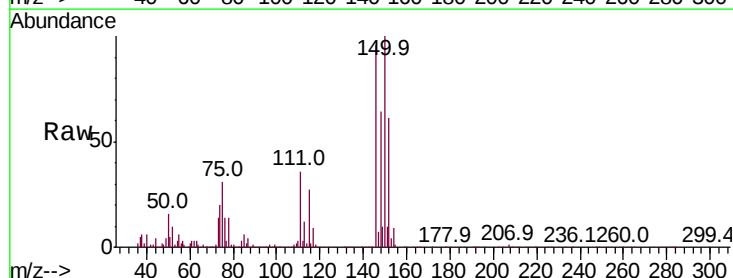
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

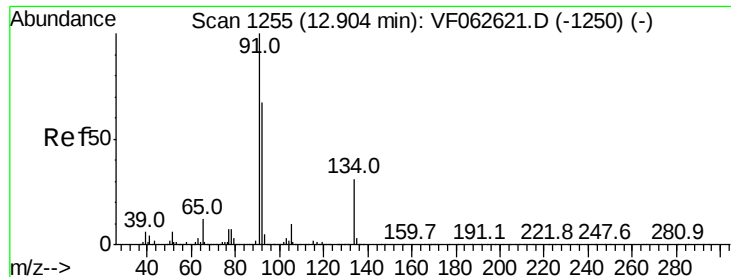
Tot Ion:146 Resp: 211292
 Ion Ratio Lower Upper
 146 100
 111 42.2 18.9 56.9
 148 67.0 34.0 101.8



#88
 1,4-Dichlorobenzene
 Concen: 21.744 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion:146 Resp: 216251
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.2
 148 66.9 33.2 99.6

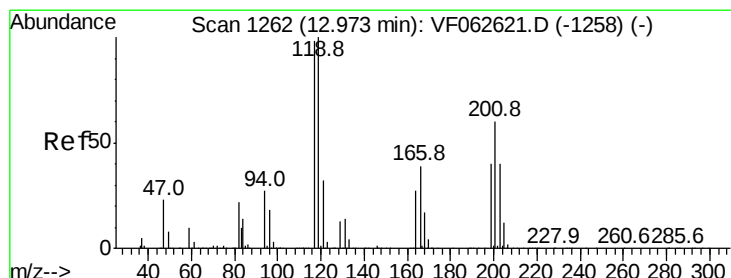
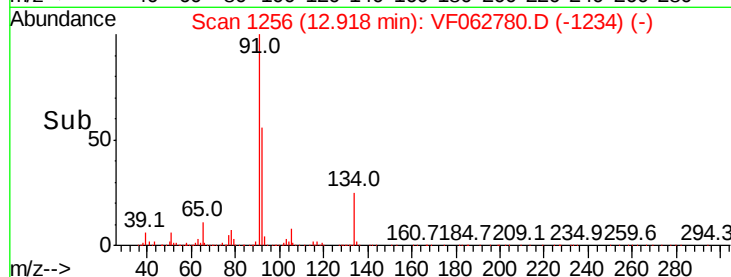
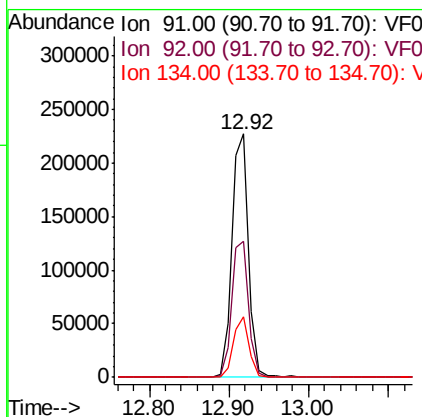
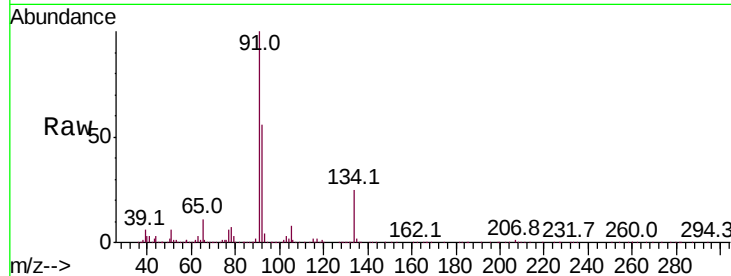




#89
n-Butylbenzene
Concen: 15.545 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

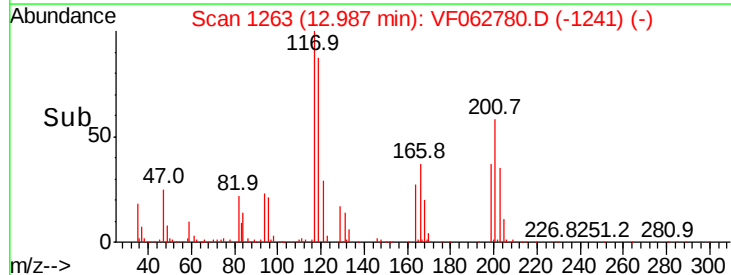
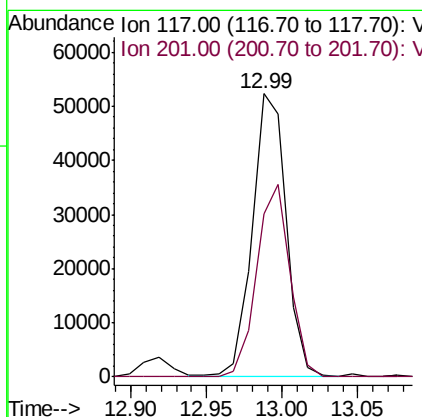
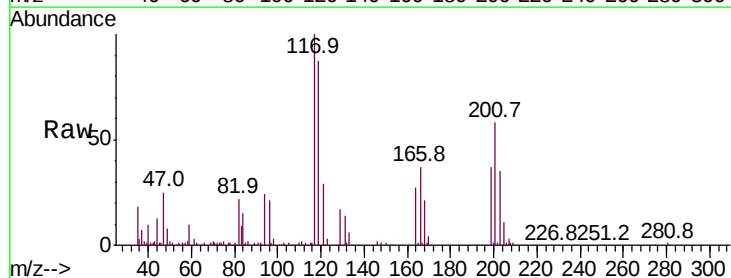
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS02

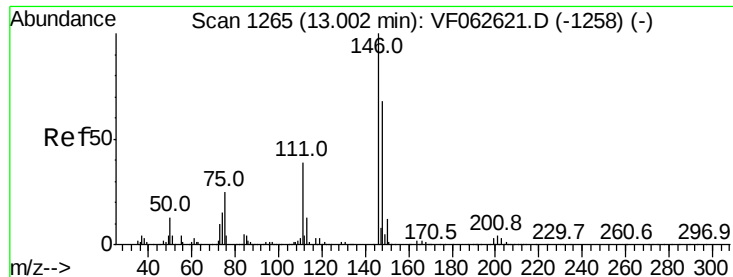
Tot Ion: 91 Resp: 332317
Ion Ratio Lower Upper
91 100
92 55.7 33.3 99.8
134 25.0 15.4 46.4



#90
Hexachloroethane
Concen: 15.655 ug/l
RT: 12.99 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062780.D
Acq: 29 May 2019 14:14

Tgt Ion: 117 Resp: 81426
Ion Ratio Lower Upper
117 100
201 57.6 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 21.589 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS02

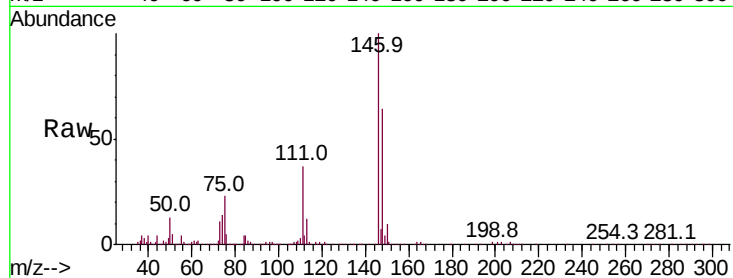
Tot Ion:146 Resp: 203945

Ion Ratio Lower Upper

146 100

111 37.3 19.8 59.3

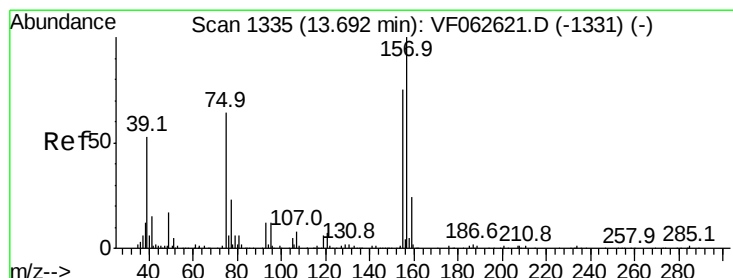
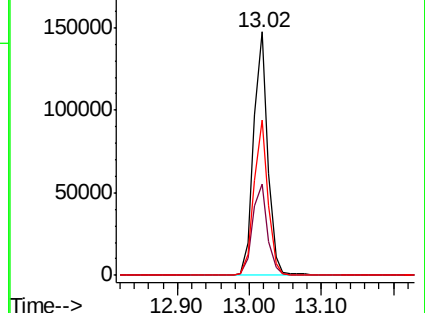
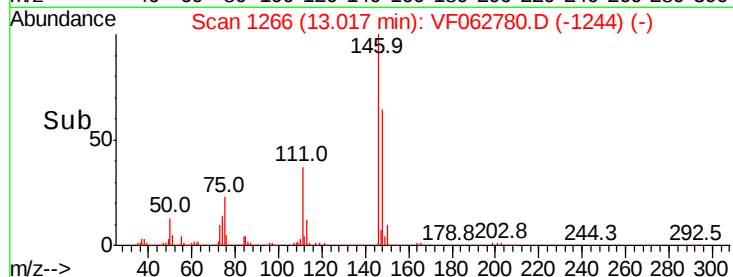
148 63.9 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 31.229 ug/l

RT: 13.71 min Scan# 1336

Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

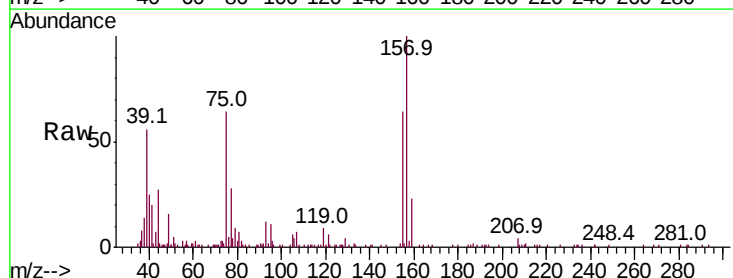
Tgt Ion: 75 Resp: 17942

Ion Ratio Lower Upper

75 100

155 102.3 58.1 174.3

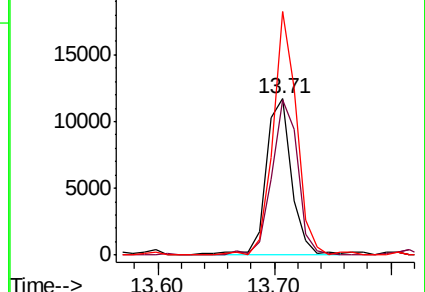
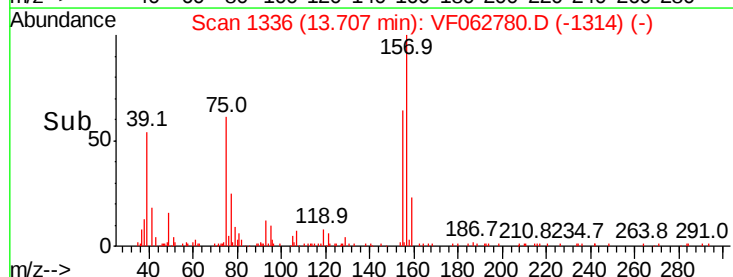
157 156.1 77.8 233.4

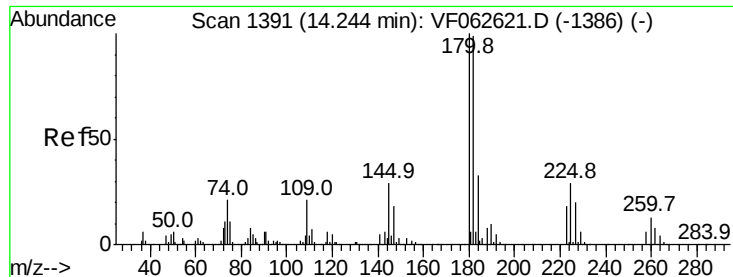


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

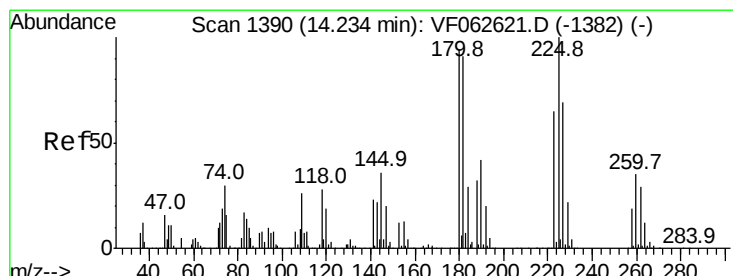
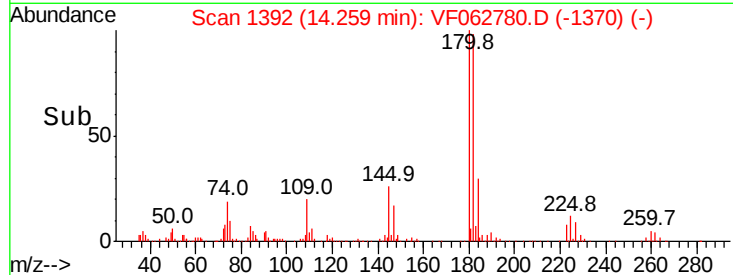
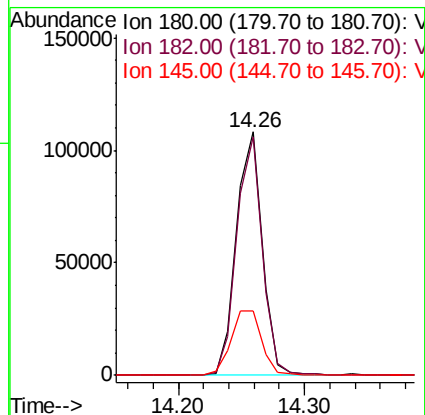
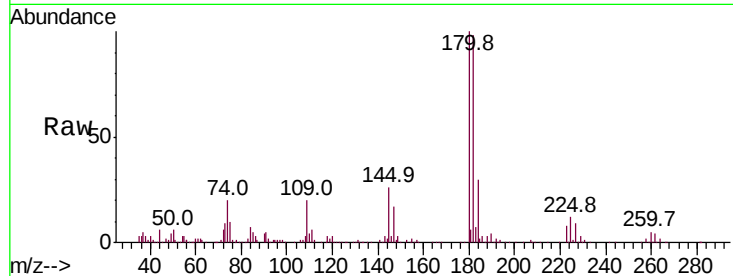




#93
 1,2,4-Trichlorobenzene
 Concen: 22.706 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

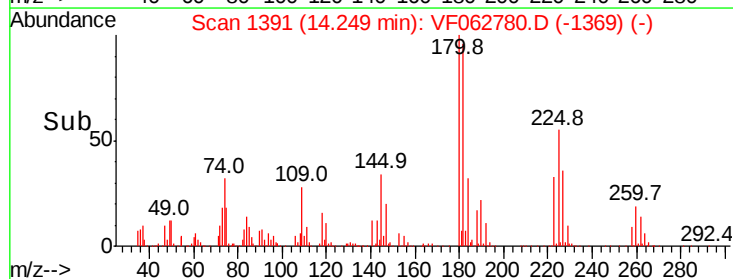
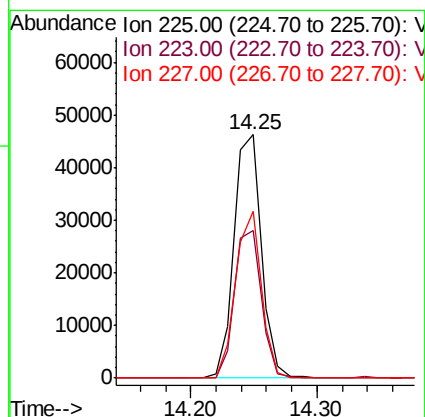
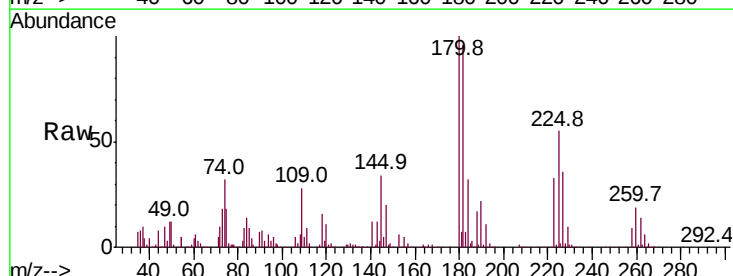
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS02

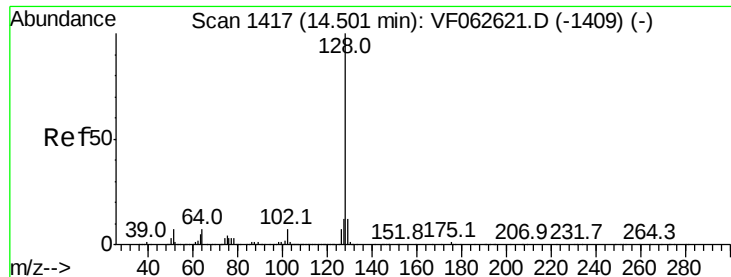
Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	49.7	149.1
145	26.4	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 14.590 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062780.D
 Acq: 29 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.5	97.4
227	68.5	34.5	103.5





#95

Naphthalene

Concen: 25.598 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. 0.00 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Instrument :

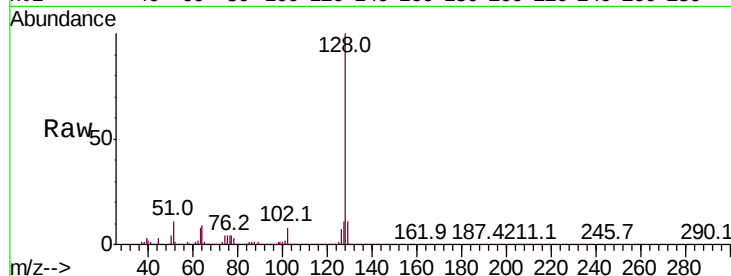
MSVOA_F

ClientSampleId :

VF0529SBS02

Tot Ion:128 Resp: 314459

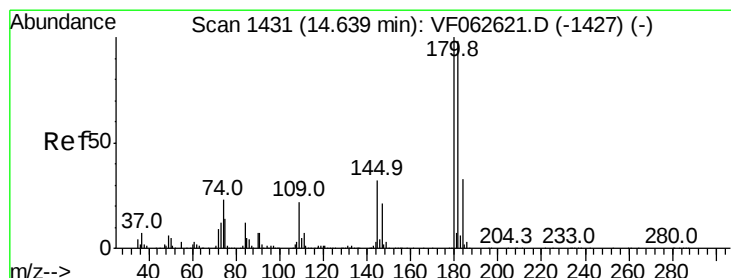
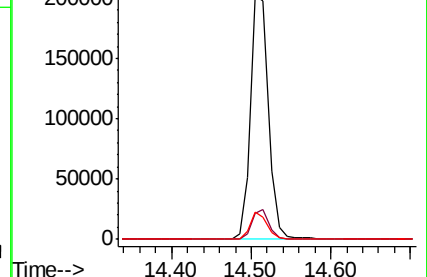
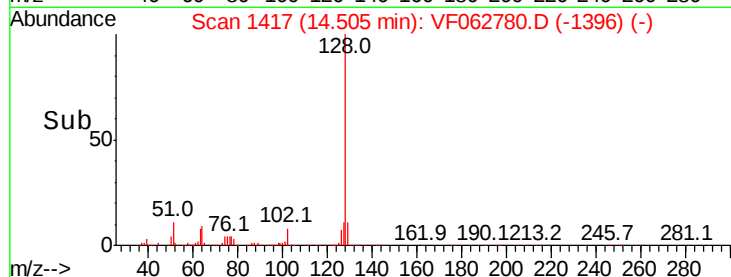
Ion	Ratio	Lower	Upper
128	100		
127	10.7	9.7	14.5
129	11.0	9.3	13.9



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: 23.921 ug/l

RT: 14.65 min Scan# 1432

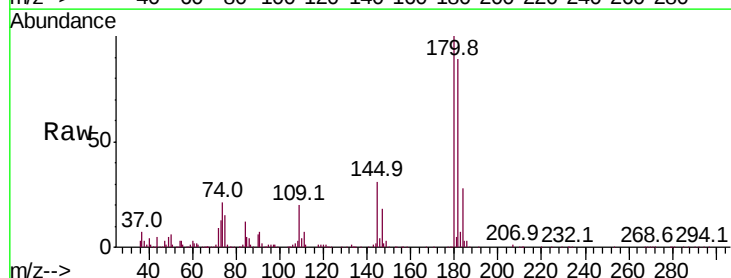
Delta R.T. 0.01 min

Lab File: VF062780.D

Acq: 29 May 2019 14:14

Tgt Ion:180 Resp: 153211

Ion	Ratio	Lower	Upper
180	100		
182	89.5	48.9	146.7
145	31.0	16.1	48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

