

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062781.D
 Acq On : 29 May 2019 14:41
 Operator : FY/SY
 Sample : VF0529SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Quant Time: May 30 08:39:16 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	681716	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.81	114	1106930	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.94	117	891263	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	427274	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	230309	47.81	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	4.35	113	438782	51.80	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.75	98	997515	49.32	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.51	95	384337	50.11	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.02	85	168600	18.174	ug/l	94
3) Chloromethane	1.14	50	151181	17.698	ug/l	90
4) Vinyl Chloride	1.19	62	148540	18.891	ug/l	95
5) Bromomethane	1.39	94	87277	20.289	ug/l	99
6) Chloroethane	1.46	64	54146	18.750	ug/l #	88
7) Trichlorofluoromethane	1.56	101	233892	22.153	ug/l	99
8) Diethyl Ether	1.73	74	43356	20.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.93	101	146470	21.787	ug/l	95
10) Methyl Iodide	2.00	142	220945	16.730	ug/l	95
11) Tert butyl alcohol	2.71	59	39119	122.998	ug/l	96
12) 1,1-Dichloroethene	1.89	96	127145	20.762	ug/l	97
13) Acrolein	2.11	56	25487	76.770	ug/l #	72
14) Allyl chloride	2.22	41	116279	20.979	ug/l	93
15) Acrylonitrile	3.12	53	183107	204.099	ug/l	91
16) Acetone	2.37	43	110638	88.526	ug/l #	87
17) Carbon Disulfide	1.91	76	389783	21.474	ug/l #	92
18) Methyl Acetate	2.48	43	48833	24.865	ug/l	94
19) Methyl tert-butyl Ether	2.57	73	247359	22.595	ug/l	98
20) Methylene Chloride	2.37	84	74369	11.872	ug/l	92
21) trans-1,2-Dichloroethene	2.45	96	136345	22.778	ug/l	89
22) Diisopropyl ether	2.97	45	287620	21.040	ug/l	97
23) Vinyl Acetate	3.38	43	975150	105.747	ug/l	99
24) 1,1-Dichloroethane	3.04	63	245639	24.494	ug/l	96
25) 2-Butanone	4.56	43	280619	105.095	ug/l	96
26) 2,2-Dichloropropane	3.82	77	137861	24.026	ug/l	97
27) cis-1,2-Dichloroethene	3.68	96	211677	21.499	ug/l	93
28) Bromochloromethane	3.94	49	126328	22.461	ug/l	92
29) Tetrahydrofuran	4.30	42	118316	109.500	ug/l	93
30) Chloroform	4.09	83	314439	22.583	ug/l	95
31) Cyclohexane	3.90	56	283514	21.055	ug/l	93
32) 1,1,1-Trichloroethane	4.33	97	195860	21.181	ug/l	90
36) 1,1-Dichloropropene	4.51	75	234680	20.690	ug/l	96
37) Ethyl Acetate	4.34	43	107320	23.173	ug/l	88
38) Carbon Tetrachloride	4.22	117	170947	20.039	ug/l	96

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Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Quant Time: May 30 08:39:16 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	5.67	83	293554	21.509	ug/l	96
40) Benzene	4.86	78	738520	23.900	ug/l	98
41) Methacrylonitrile	4.97	41	52000	21.417	ug/l #	89
42) 1,2-Dichloroethane	5.17	62	123609	20.060	ug/l	90
43) Isopropyl Acetate	7.15	43	121102	20.184	ug/l #	94
44) Trichloroethene	5.73	130	191233	22.020	ug/l	88
45) 1,2-Dichloropropane	6.45	63	182646	23.415	ug/l	98
46) Dibromomethane	6.30	93	101071	22.420	ug/l	90
47) Bromodichloromethane	6.59	83	210549	22.498	ug/l	99
48) Methyl methacrylate	6.91	41	60129	19.174	ug/l	95
49) 1,4-Dioxane	6.91	88	14610	363.738	ug/l #	80
51) 4-Methyl-2-Pentanone	8.44	43	472147	115.125	ug/l	97
52) Toluene	7.82	92	372998	23.017	ug/l	91
53) t-1,3-Dichloropropene	8.46	75	171954	22.458	ug/l	92
54) cis-1,3-Dichloropropene	7.49	75	243526	22.722	ug/l	98
55) 1,1,2-Trichloroethane	8.67	97	112822	23.513	ug/l #	87
56) Ethyl methacrylate	8.78	69	116976	20.463	ug/l	95
57) 1,3-Dichloropropane	9.03	76	189894	23.235	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.48	63	202441	108.797	ug/l	98
59) 2-Hexanone	9.65	43	336128	116.450	ug/l	97
60) Dibromochloromethane	8.89	129	142701	22.819	ug/l	99
61) 1,2-Dibromoethane	9.17	107	118395	23.231	ug/l	99
64) Tetrachloroethene	8.34	164	146219	20.708	ug/l	96
65) Chlorobenzene	9.97	112	396150	22.630	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.09	131	158113	22.499	ug/l	93
67) Ethyl Benzene	10.07	91	679012	22.328	ug/l	94
68) m/p-Xylenes	10.29	106	520810	45.567	ug/l	84
69) o-Xylene	10.84	106	257180	21.846	ug/l	98
70) Styrene	10.91	104	363493	20.314	ug/l	98
71) Bromoform	10.90	173	78167	22.209	ug/l #	99
73) Isopropylbenzene	11.24	105	684583	22.355	ug/l	95
74) N-amyl acetate	11.46	43	208353	23.926	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	156718	25.042	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	100242	24.377	ug/l	92
77) Bromobenzene	11.60	156	167854	22.051	ug/l	99
78) n-propylbenzene	11.69	91	892796	24.634	ug/l	90
79) 2-Chlorotoluene	11.82	91	476427	23.326	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	604497	24.618	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	54462	29.796	ug/l	93
82) 4-Chlorotoluene	12.00	91	468864	23.279	ug/l	98
83) tert-Butylbenzene	12.21	119	558617	22.423	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	531423	22.360	ug/l	97
85) sec-Butylbenzene	12.39	105	764835	22.877	ug/l	94
86) p-Isopropyltoluene	12.54	119	635326	22.549	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	305183	22.160	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	287501	22.246	ug/l	98
89) n-Butylbenzene	12.91	91	639058	23.004	ug/l	90
90) Hexachloroethane	12.99	117	153626	22.729	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	268827	21.898	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17110	22.917	ug/l	86

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Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Quant Time: May 30 08:39:16 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

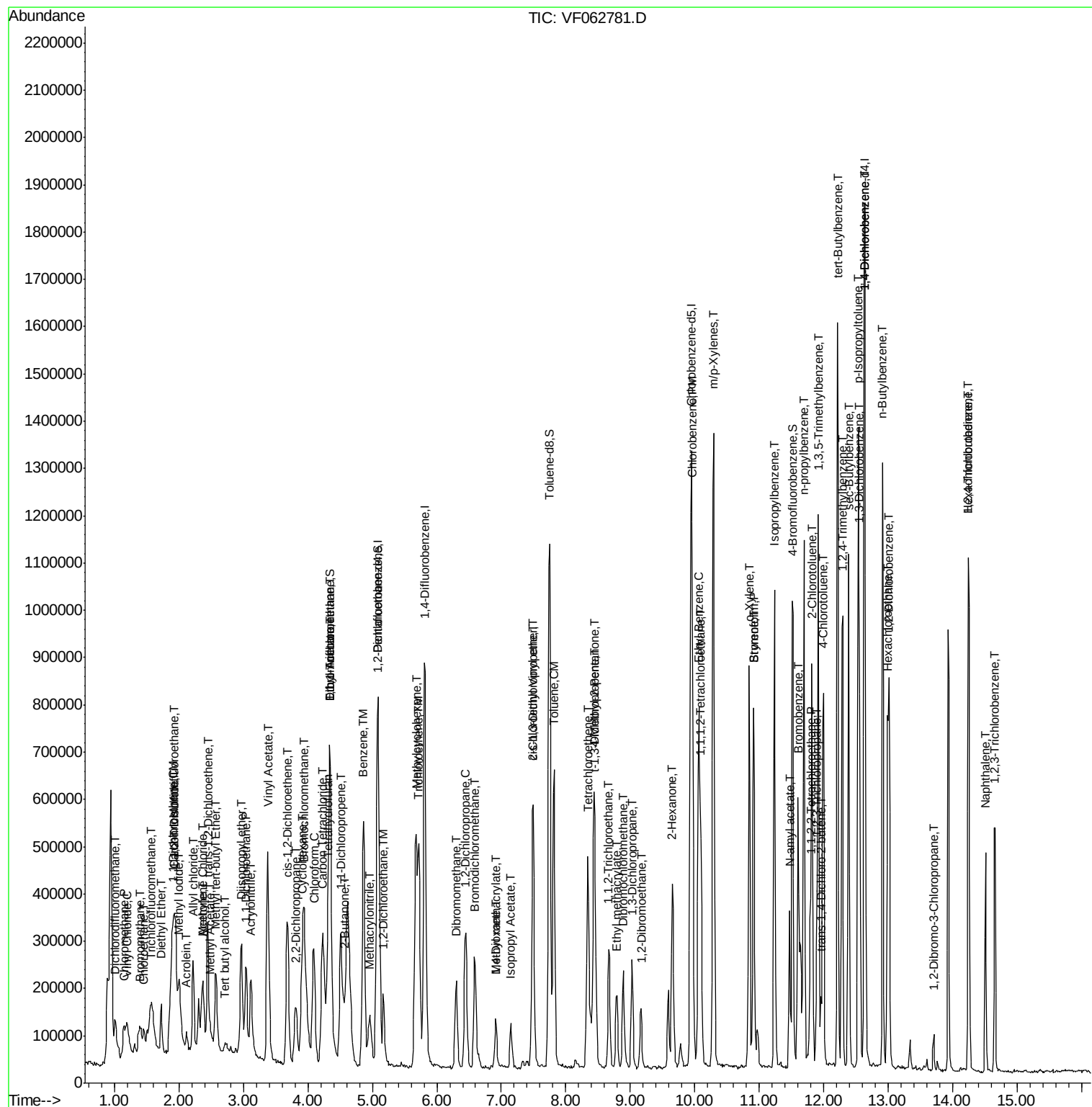
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	188495	21.451	ug/l	96
94) Hexachlorobutadiene	14.24	225	125411	20.451	ug/l	98
95) Naphthalene	14.51	128	310678	19.462	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	174510	20.966	ug/l	93

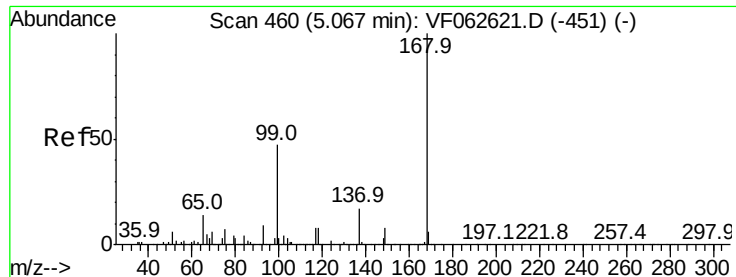
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.10 min Scan# 463

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

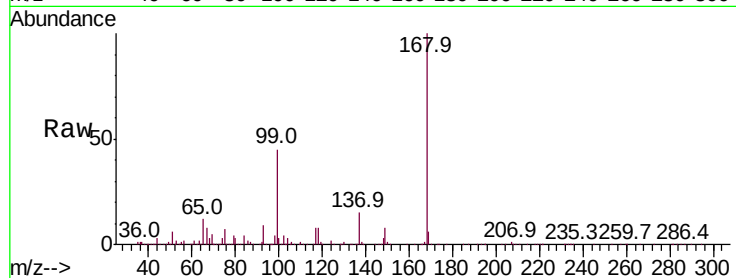
VF0529SBS03

Tot Ion:168 Resp: 681716

Ion Ratio Lower Upper

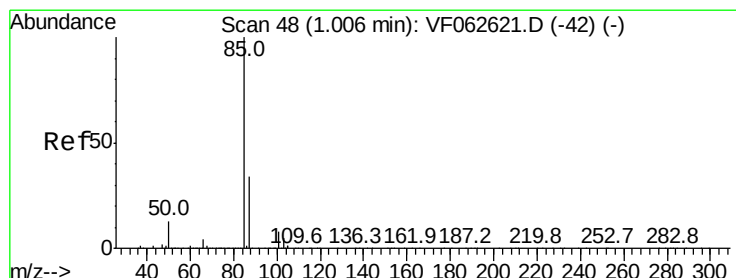
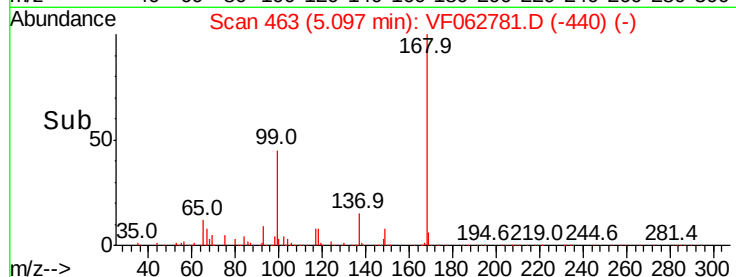
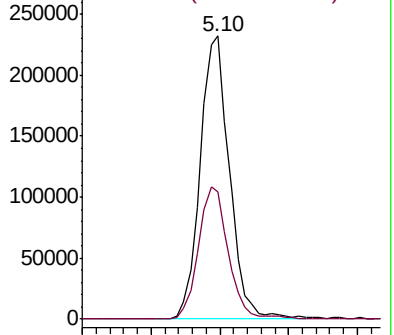
168 100

99 44.9 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 18.174 ug/l

RT: 1.02 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062781.D

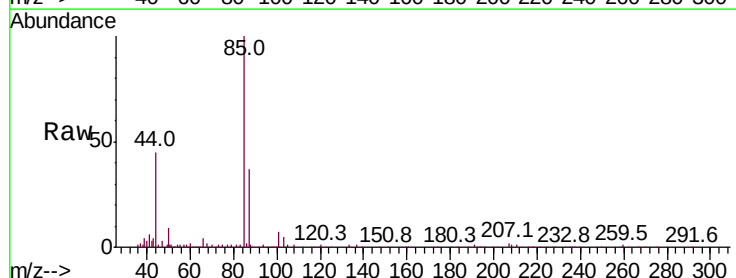
Acq: 29 May 2019 14:41

Tgt Ion: 85 Resp: 168600

Ion Ratio Lower Upper

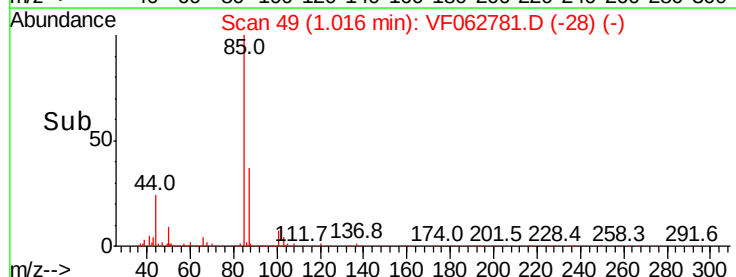
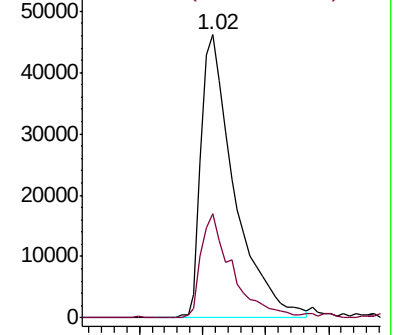
85 100

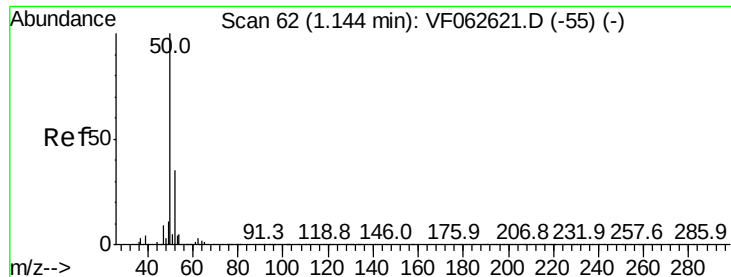
87 37.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 17.698 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

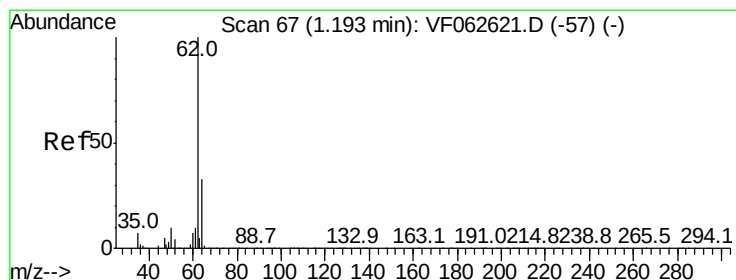
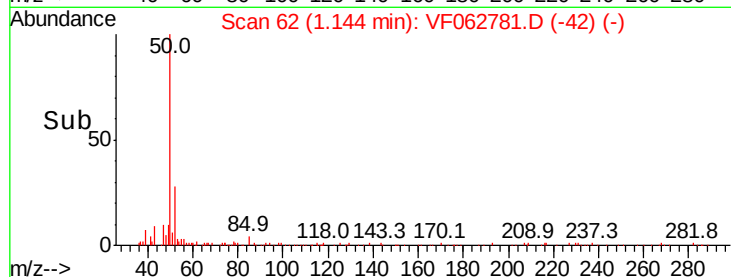
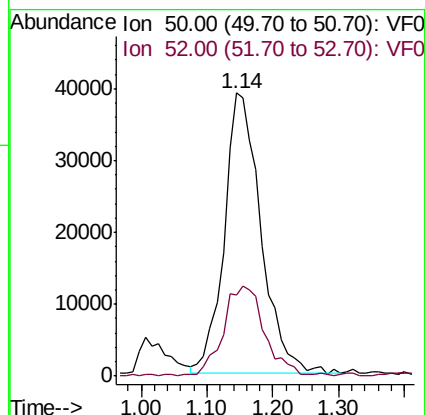
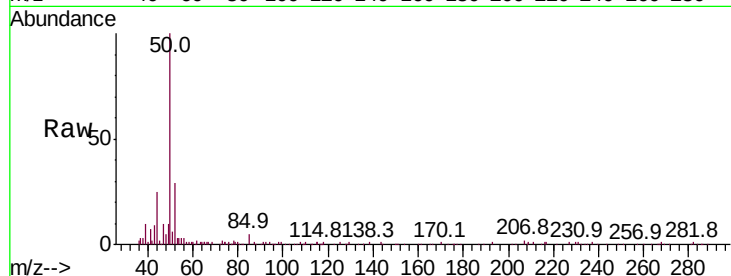
VF0529SBS03

Tot Ion: 50 Resp: 151181

Ion Ratio Lower Upper

50 100

52 28.8 27.5 41.3



#4

Vinyl Chloride

Concen: 18.891 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062781.D

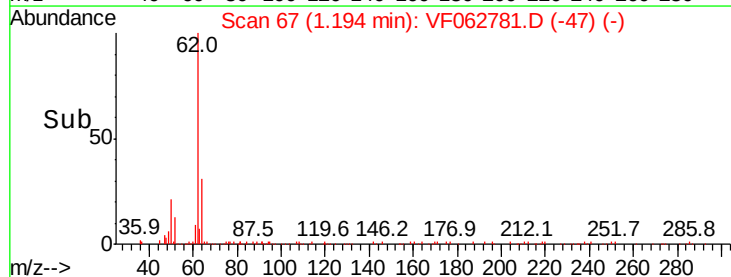
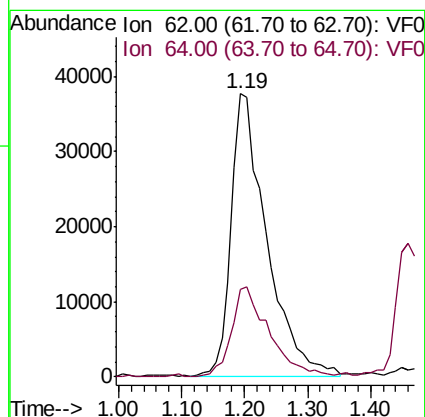
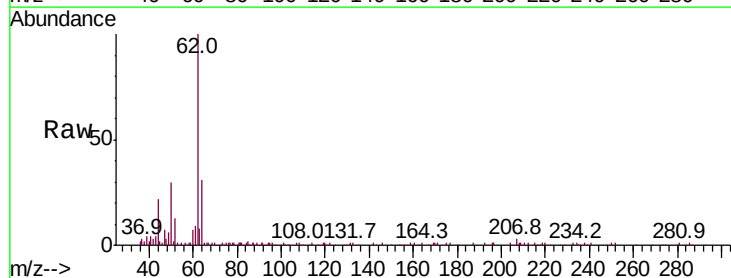
Acq: 29 May 2019 14:41

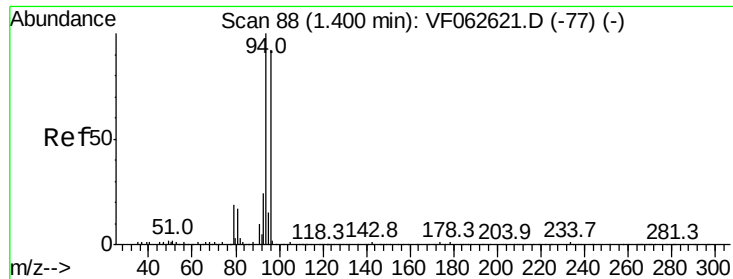
Tgt Ion: 62 Resp: 148540

Ion Ratio Lower Upper

62 100

64 30.8 26.7 40.1





#5

Bromomethane

Concen: 20.289 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

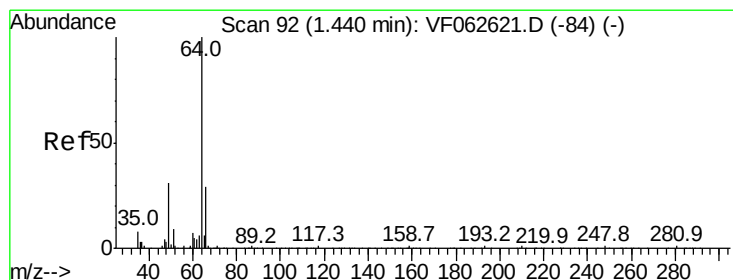
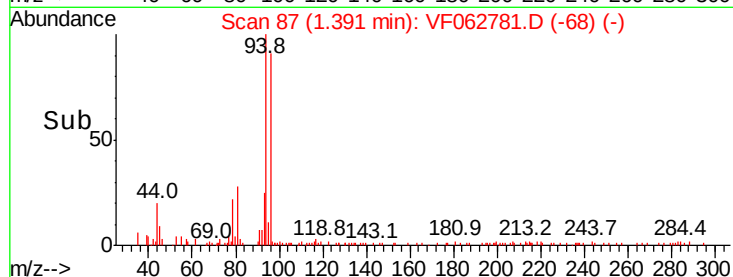
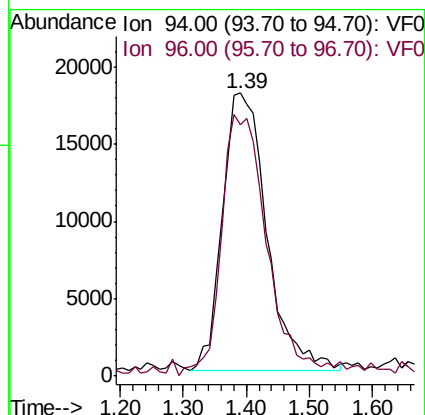
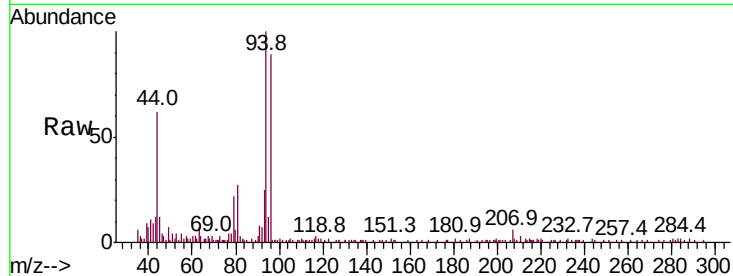
VF0529SBS03

Tot Ion: 94 Resp: 87277

Ion Ratio Lower Upper

94 100

96 90.2 73.2 109.8



#6

Chloroethane

Concen: 18.750 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062781.D

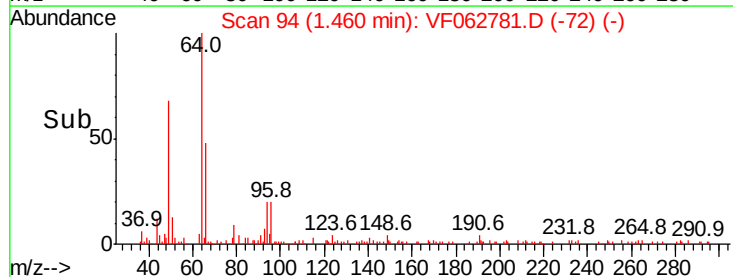
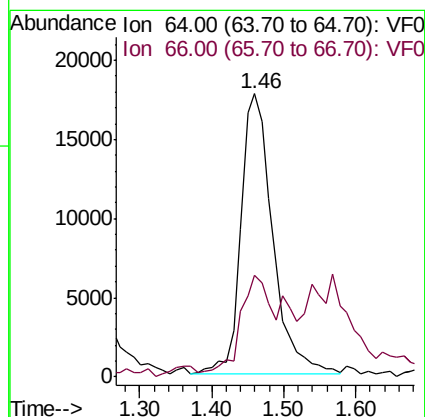
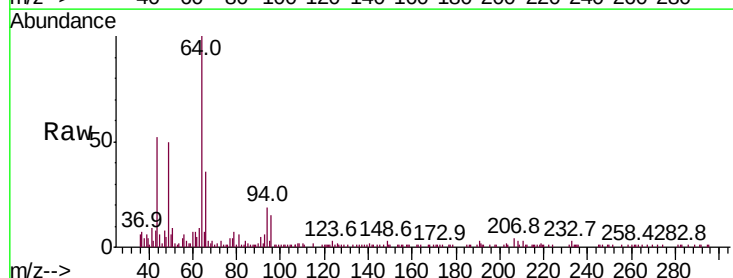
Acq: 29 May 2019 14:41

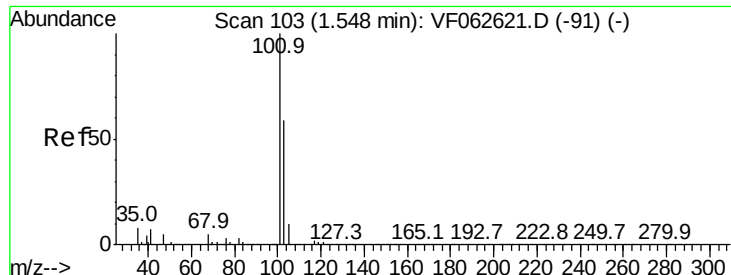
Tgt Ion: 64 Resp: 54146

Ion Ratio Lower Upper

64 100

66 35.9 23.4 35.2#



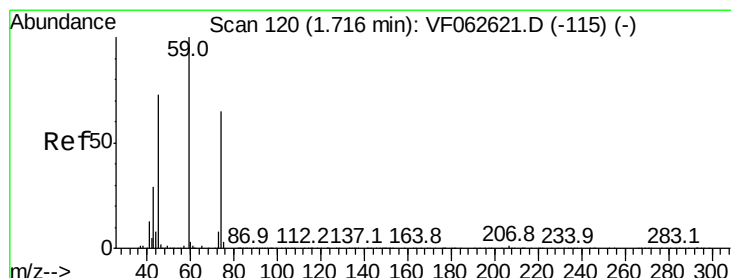
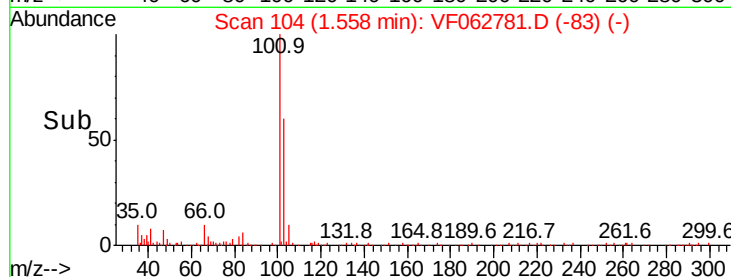
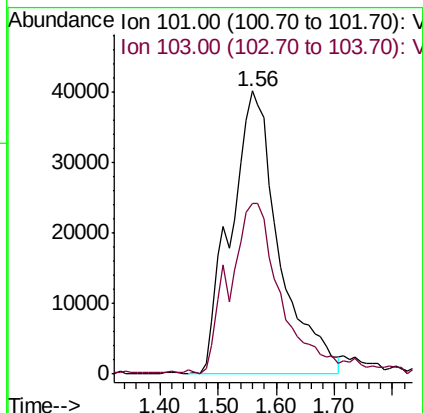
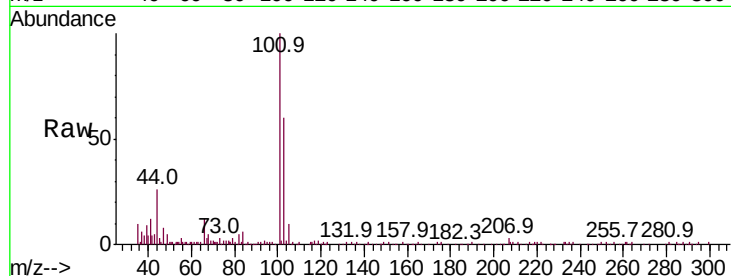


#7

Trichlorofluoromethane
Concen: 22.153 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

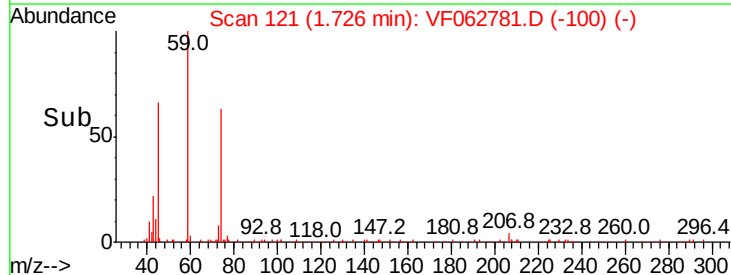
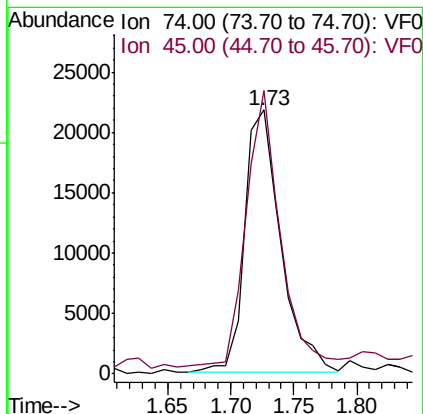
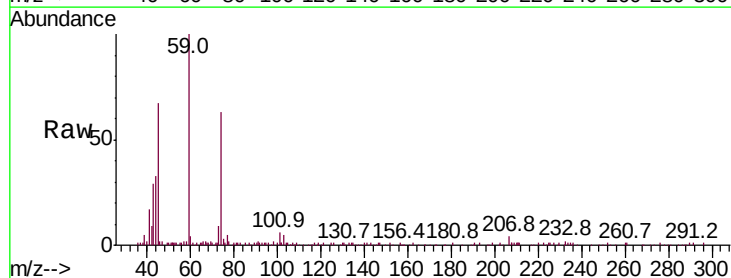
Tot Ion:101 Resp: 233892
Ion Ratio Lower Upper
101 100
103 60.1 47.3 70.9

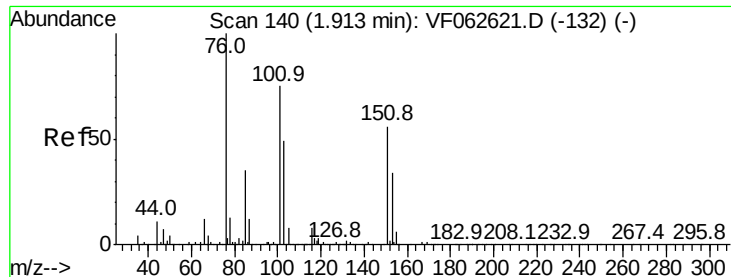


#8

Diethyl Ether
Concen: 20.729 ug/l
RT: 1.73 min Scan# 121
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 74 Resp: 43356
Ion Ratio Lower Upper
74 100
45 107.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.787 ug/l

RT: 1.93 min Scan# 142

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

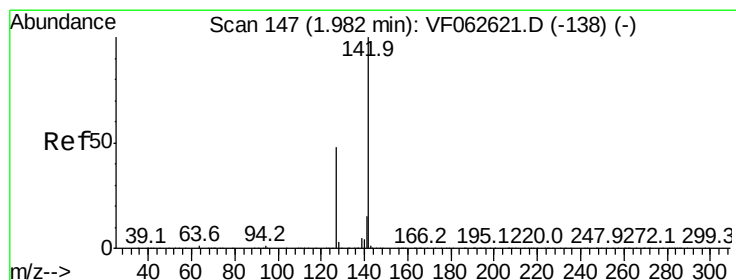
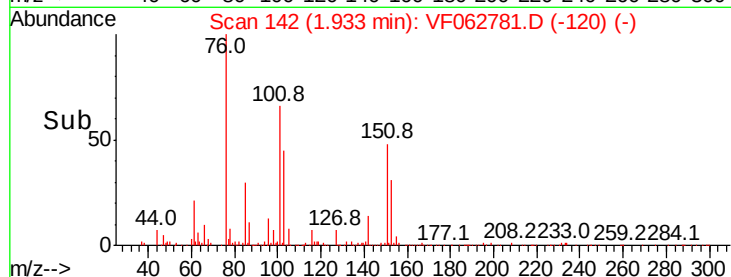
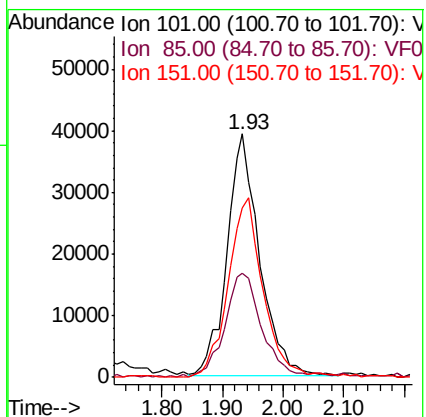
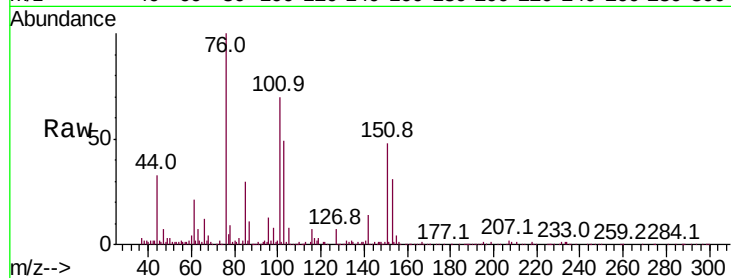
Tot Ion:101 Resp: 146470

Ion Ratio Lower Upper

101 100

85 42.9 37.1 55.7

151 69.6 58.8 88.2



#10

Methyl Iodide

Concen: 16.730 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

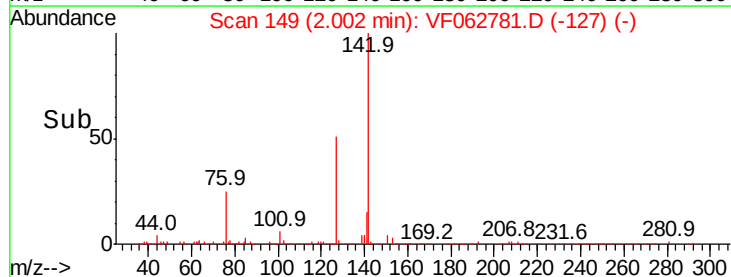
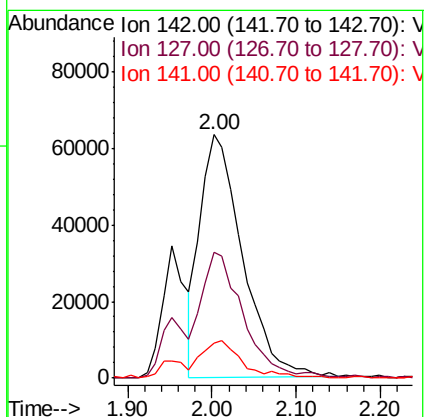
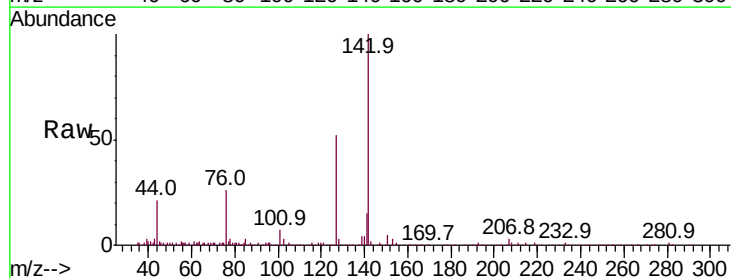
Tgt Ion:142 Resp: 220945

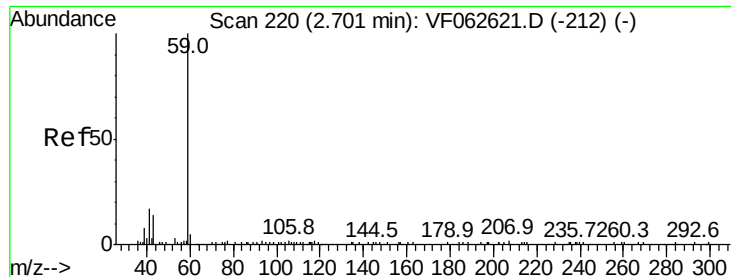
Ion Ratio Lower Upper

142 100

127 51.6 38.1 57.1

141 14.6 11.7 17.5



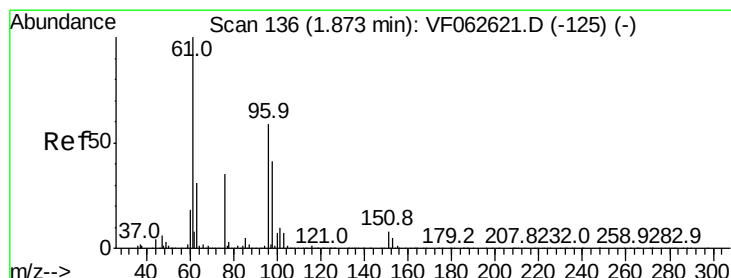
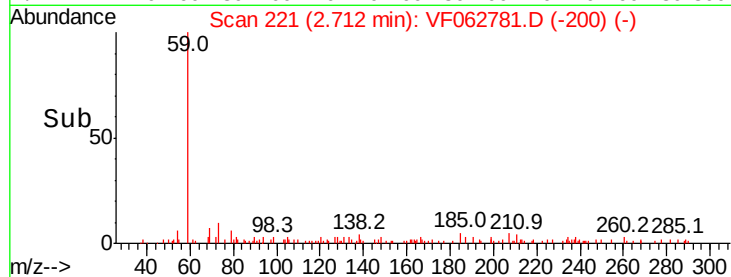
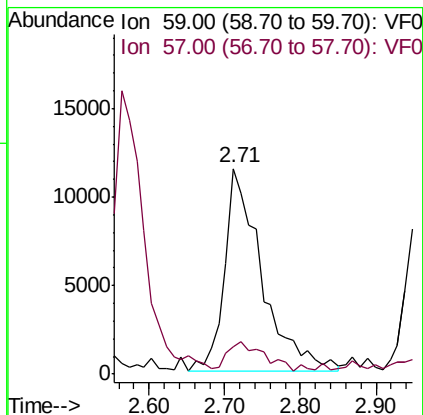
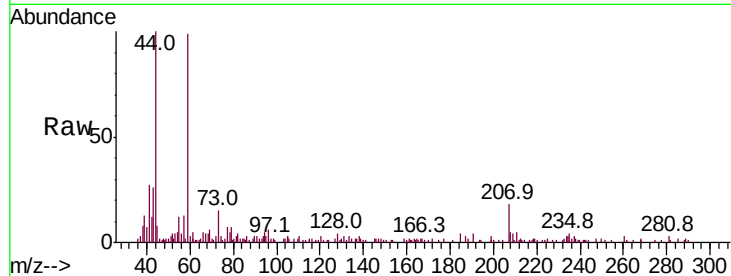


#11

Tert butyl alcohol
Concen: 122.998 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

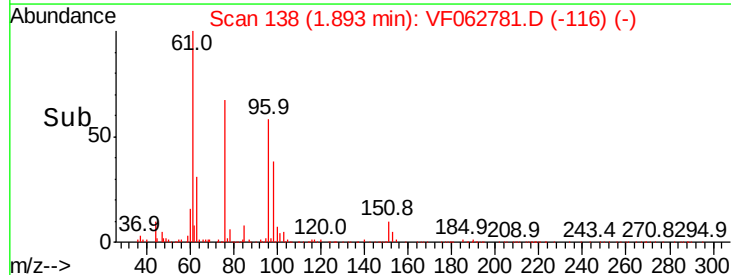
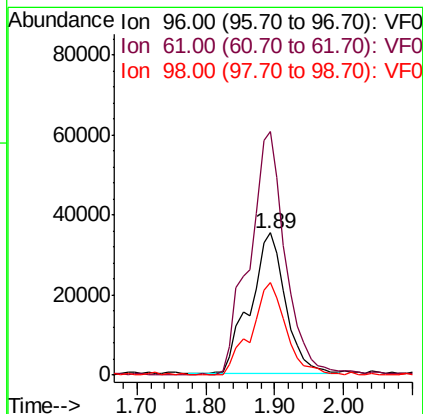
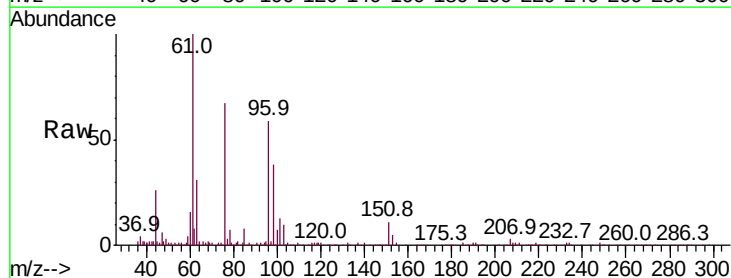
Tot Ion: 59 Resp: 39119
Ion Ratio Lower Upper
59 100
57 13.0 9.3 13.9

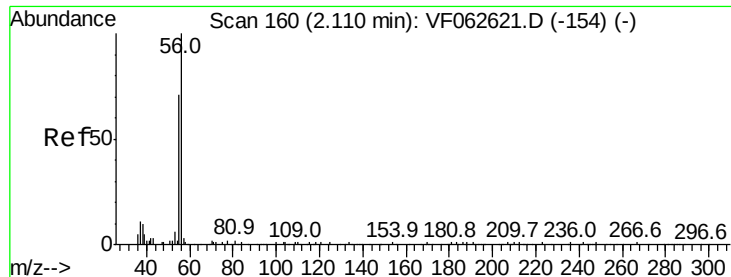


#12

1,1-Dichloroethene
Concen: 20.762 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 96 Resp: 127145
Ion Ratio Lower Upper
96 100
61 170.9 134.3 201.5
98 64.7 55.0 82.6

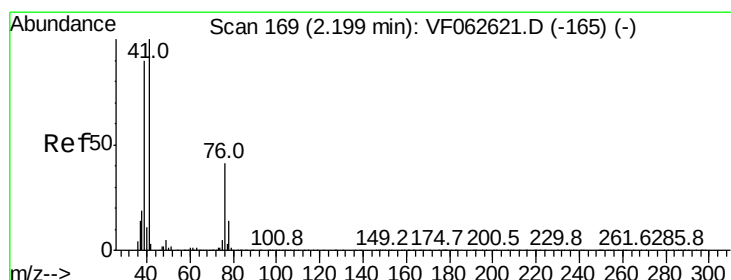
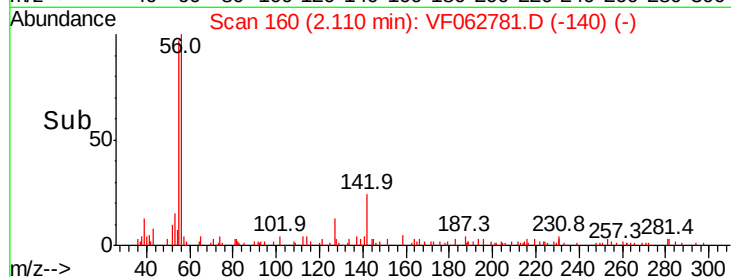
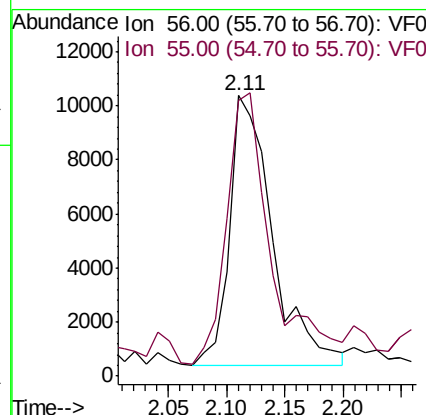
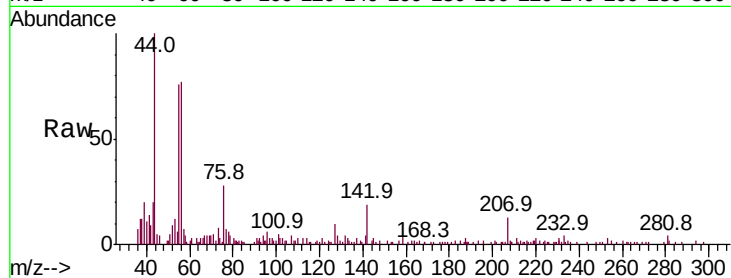




#13
Acrolein
Concen: 76.770 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.00 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

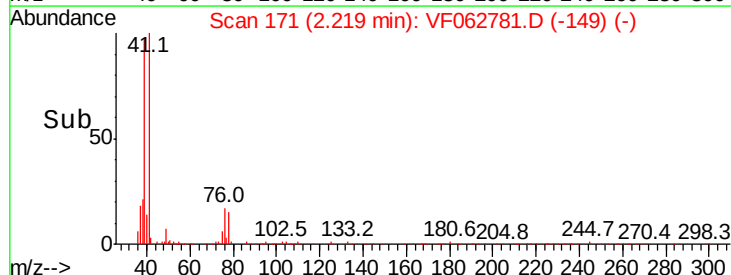
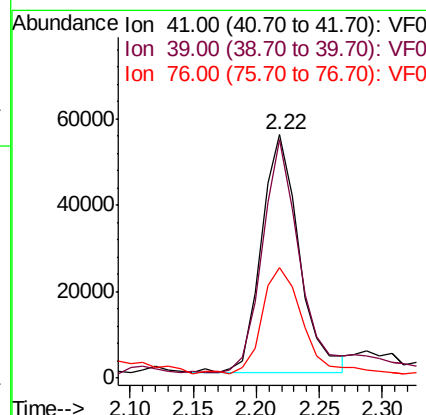
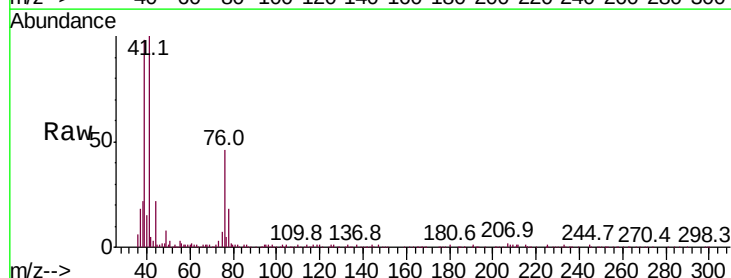
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

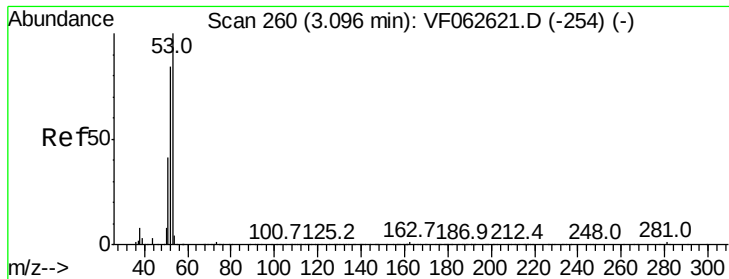
Tot Ion: 56 Resp: 25487
Ion Ratio Lower Upper
56 100
55 98.2 59.4 89.0#



#14
Allyl chloride
Concen: 20.979 ug/l
RT: 2.22 min Scan# 171
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 41 Resp: 116279
Ion Ratio Lower Upper
41 100
39 98.2 72.0 108.0
76 45.6 34.8 52.2





#15

Acrylonitrile

Concen: 204.099 ug/l

RT: 3.12 min Scan# 262

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

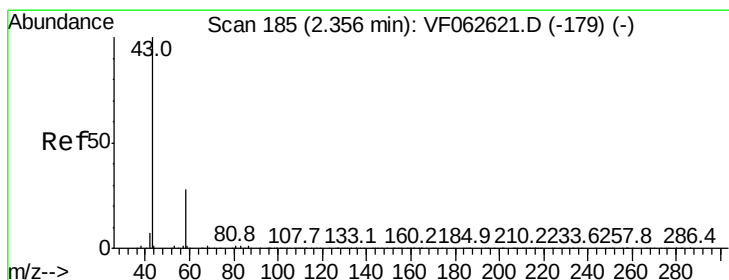
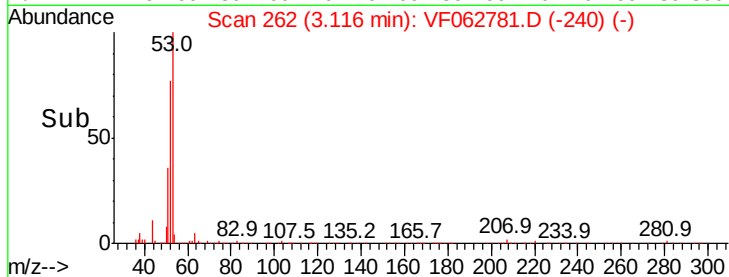
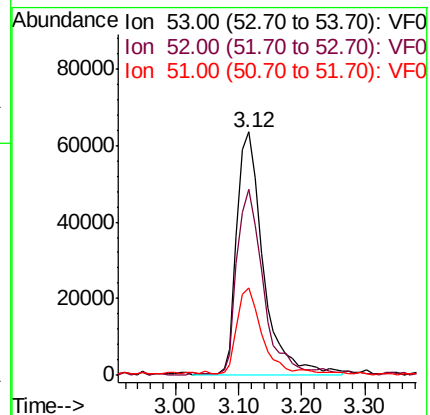
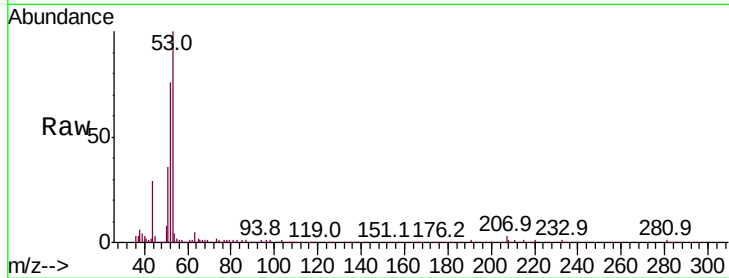
MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 53 Resp: 183107

Ion	Ratio	Lower	Upper
53	100		
52	76.2	67.3	100.9
51	35.9	33.0	49.6



#16

Acetone

Concen: 88.526 ug/l

RT: 2.37 min Scan# 186

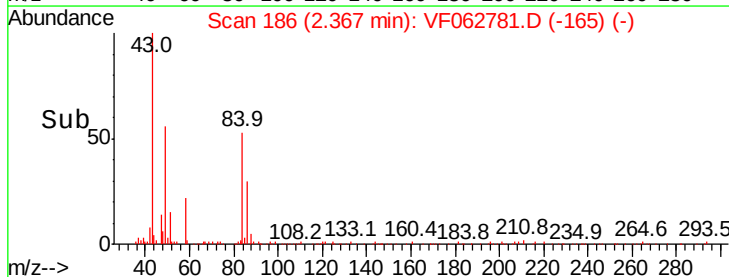
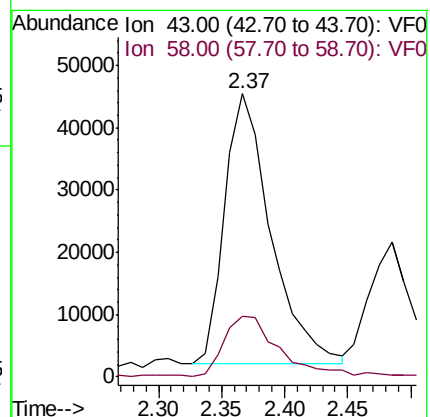
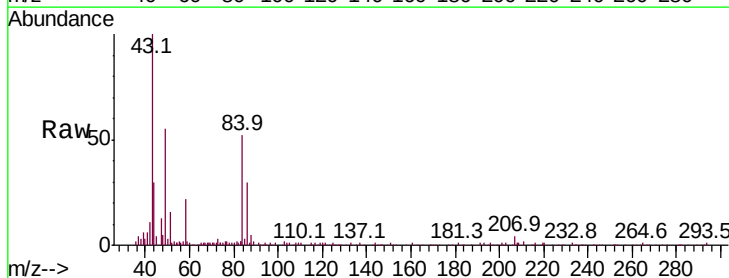
Delta R.T. 0.01 min

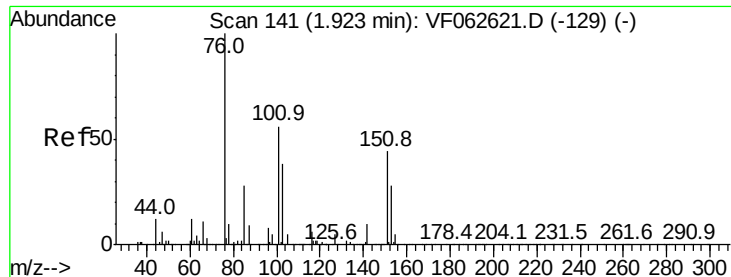
Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion: 43 Resp: 110638

Ion	Ratio	Lower	Upper
43	100		
58	21.5	22.6	33.8#





#17

Carbon Disulfide

Concen: 21.474 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

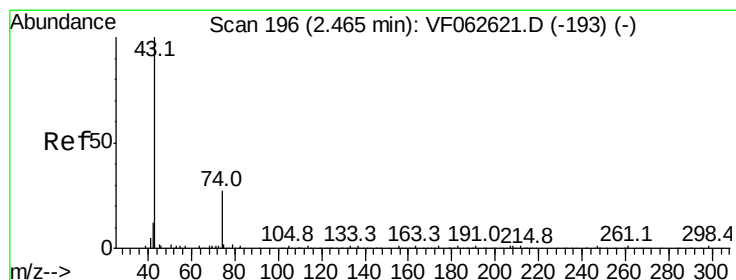
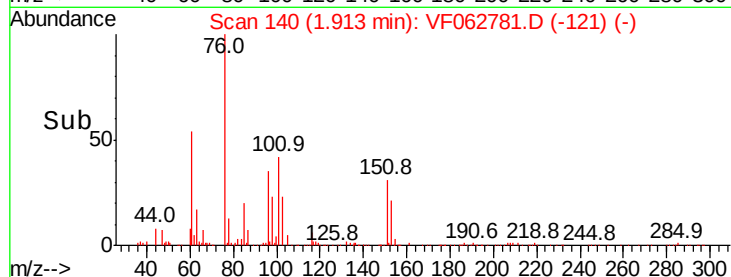
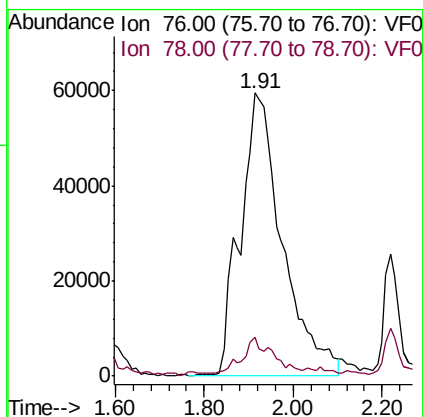
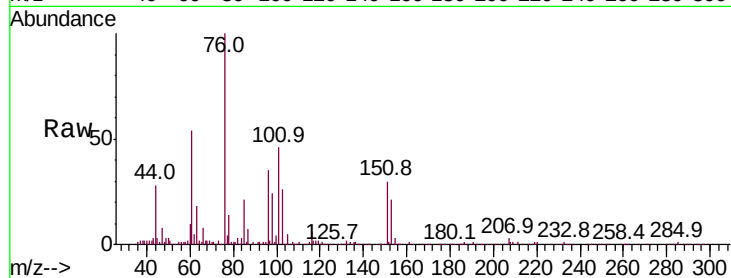
VF0529SBS03

Tot Ion: 76 Resp: 389783

Ion Ratio Lower Upper

76 100

78 13.6 8.4 12.6#



#18

Methyl Acetate

Concen: 24.865 ug/l

RT: 2.48 min Scan# 198

Delta R.T. 0.02 min

Lab File: VF062781.D

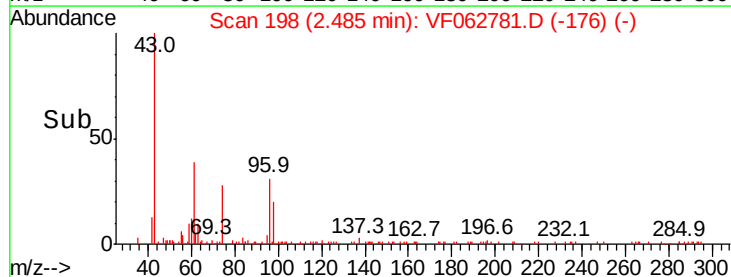
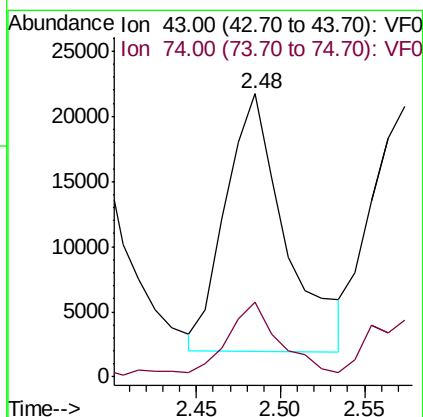
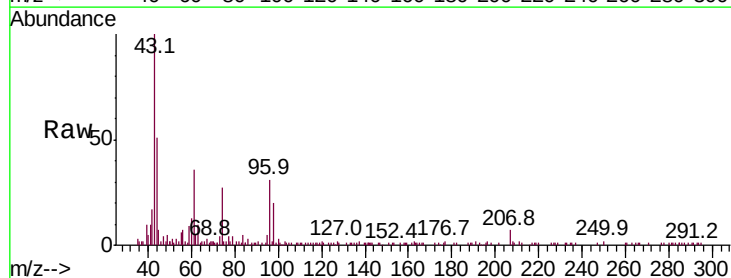
Acq: 29 May 2019 14:41

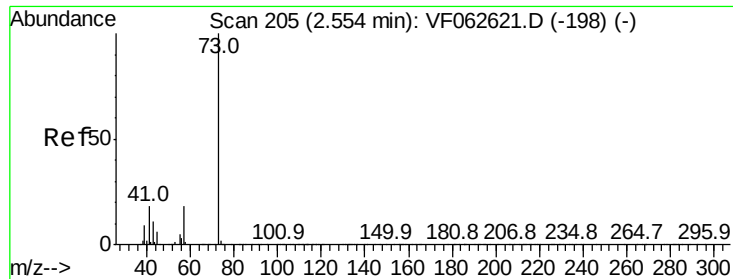
Tgt Ion: 43 Resp: 48833

Ion Ratio Lower Upper

43 100

74 26.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 22.595 ug/l

RT: 2.57 min Scan# 207

Delta R.T. 0.02 min

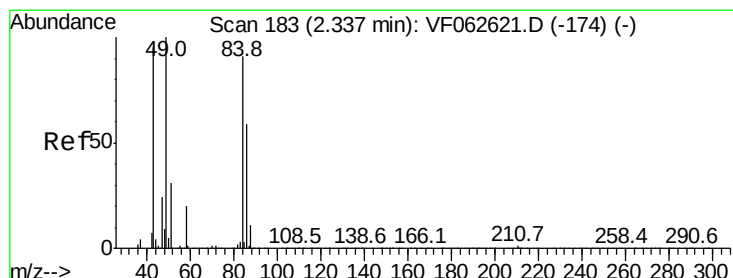
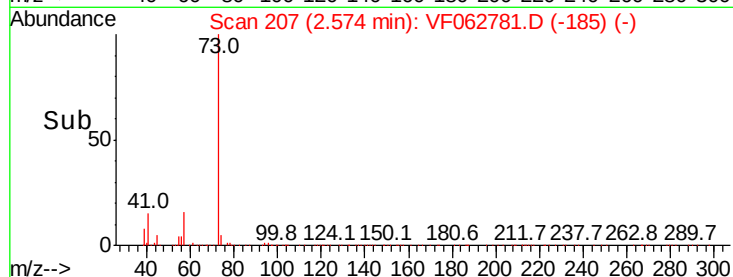
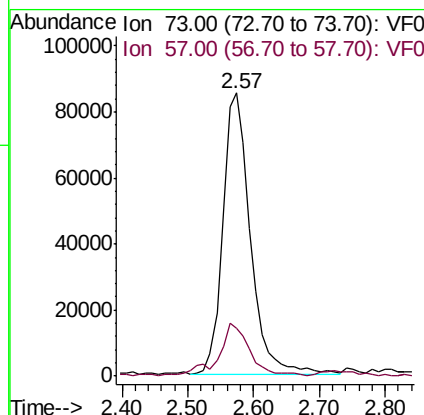
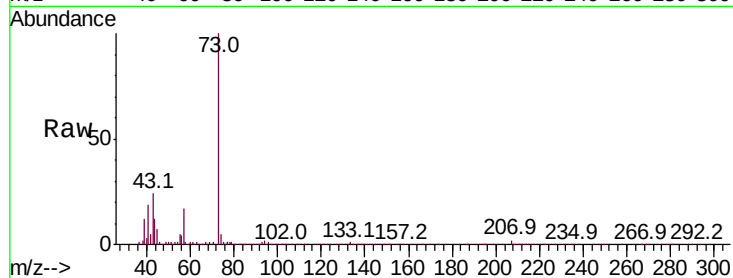
Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 73 Resp: 247359

Ion	Ratio	Lower	Upper
73	100		
57	16.7	14.2	21.4



#20

Methylene Chloride

Concen: 11.872 ug/l

RT: 2.37 min Scan# 186

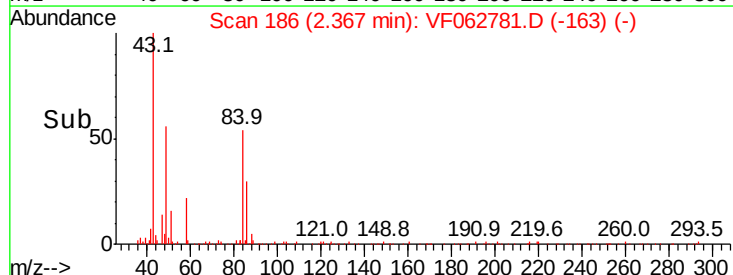
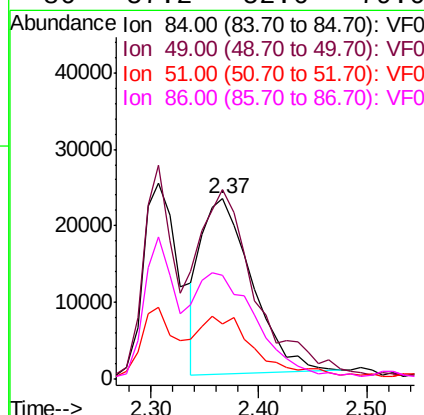
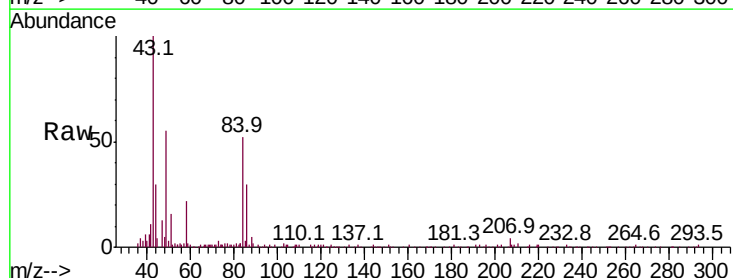
Delta R.T. 0.03 min

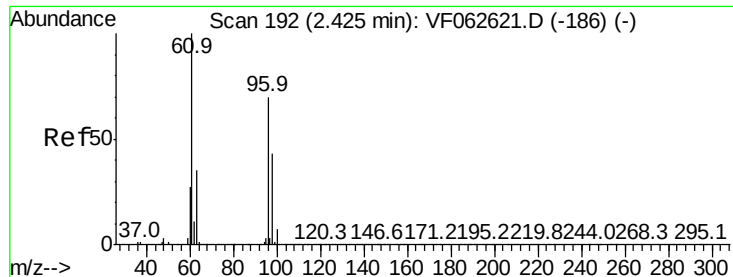
Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion: 84 Resp: 74369

Ion	Ratio	Lower	Upper
84	100		
49	105.3	89.8	134.8
51	30.6	28.4	42.6
86	57.2	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 22.778 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

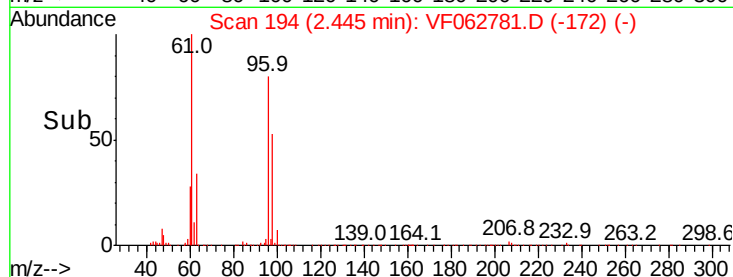
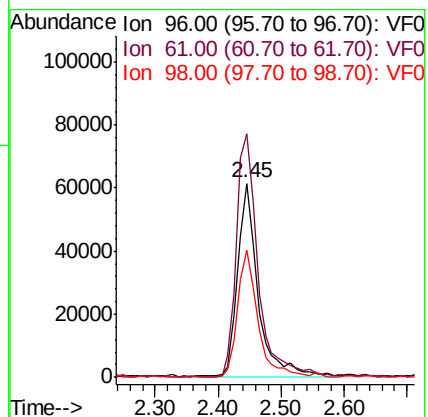
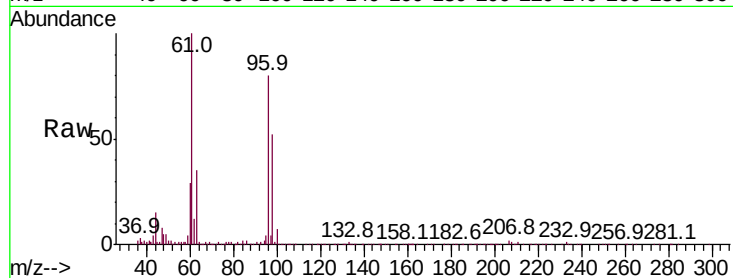
Tot Ion: 96 Resp: 136345

Ion Ratio Lower Upper

96 100

61 125.4 114.6 171.8

98 65.3 49.5 74.3



#22

Diisopropyl ether

Concen: 21.040 ug/l

RT: 2.97 min Scan# 247

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion: 45 Resp: 287620

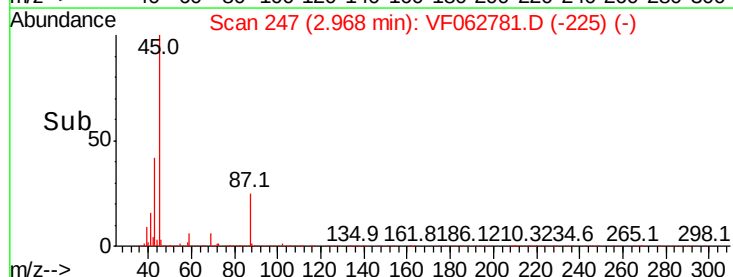
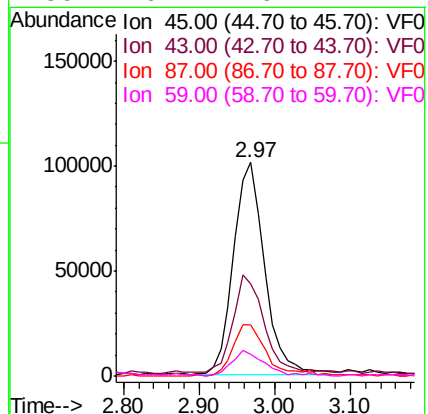
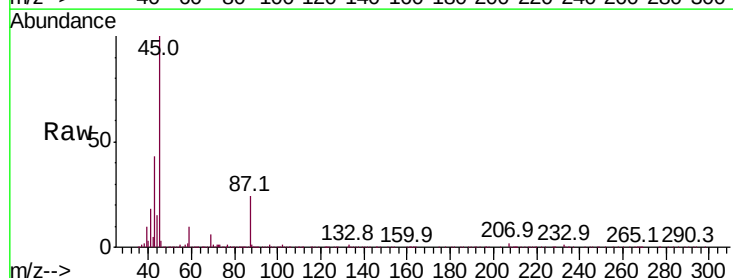
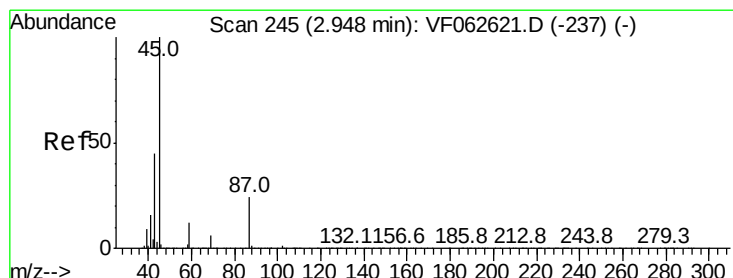
Ion Ratio Lower Upper

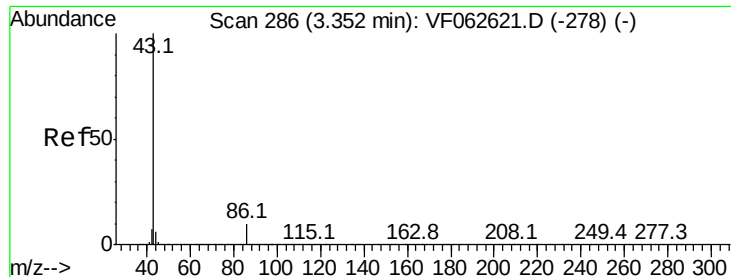
45 100

43 43.1 36.4 54.6

87 24.3 19.3 28.9

59 10.1 9.4 14.2





#23

Vinyl Acetate

Concen: 105.747 ug/l

RT: 3.38 min Scan# 289

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

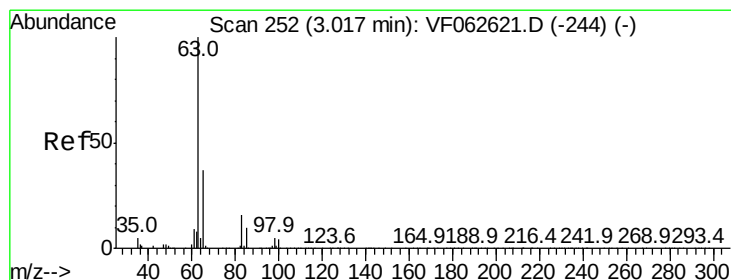
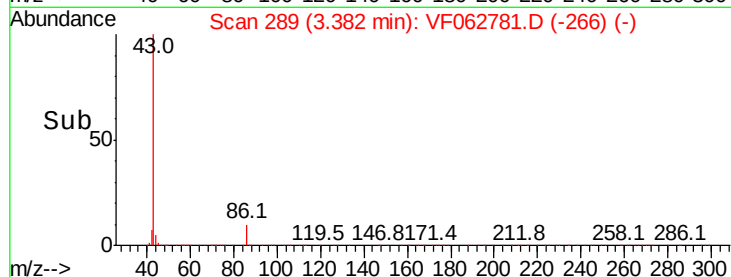
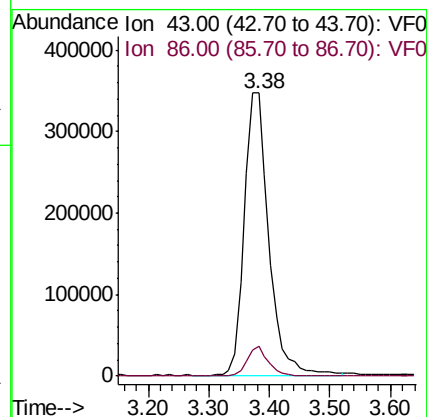
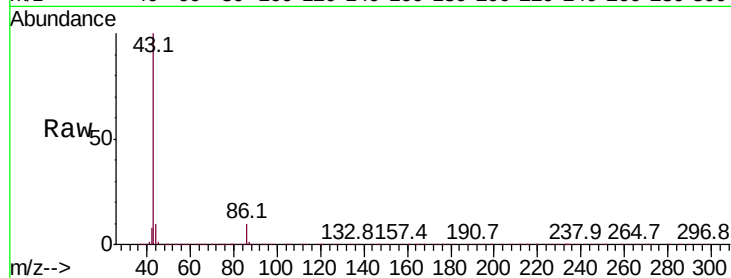
VF0529SBS03

Tot Ion: 43 Resp: 975150

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2



#24

1,1-Dichloroethane

Concen: 24.494 ug/l

RT: 3.04 min Scan# 254

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

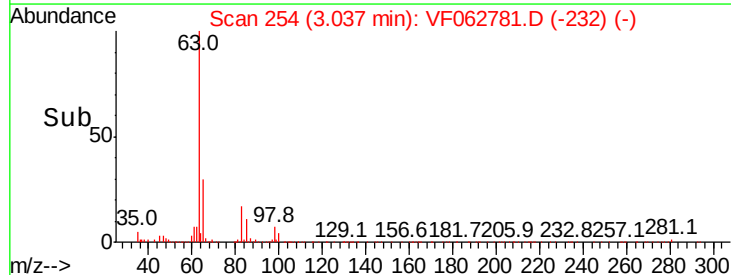
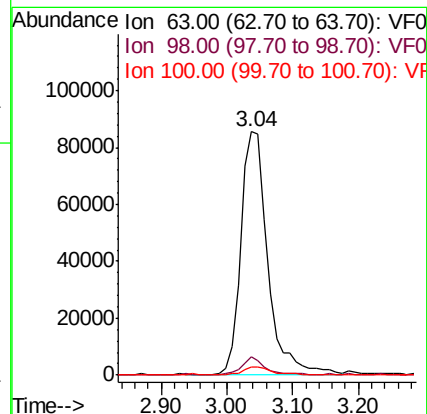
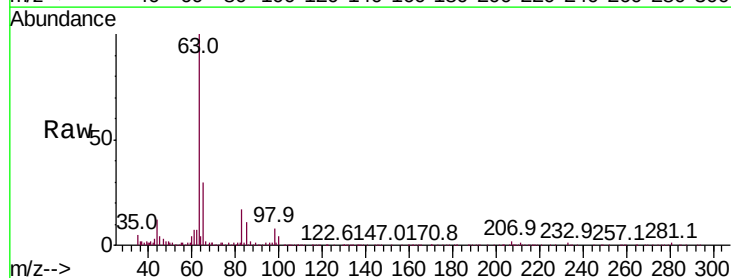
Tgt Ion: 63 Resp: 245639

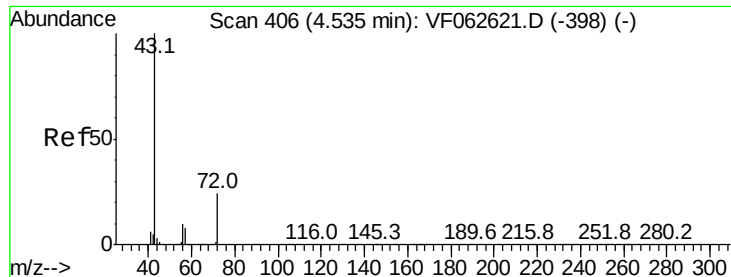
Ion Ratio Lower Upper

63 100

98 7.7 2.8 8.3

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 105.095 ug/l

RT: 4.56 min Scan# 409

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

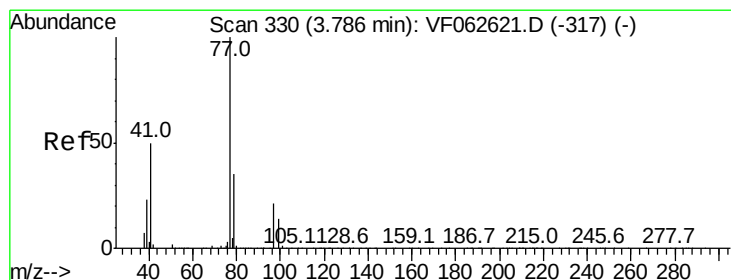
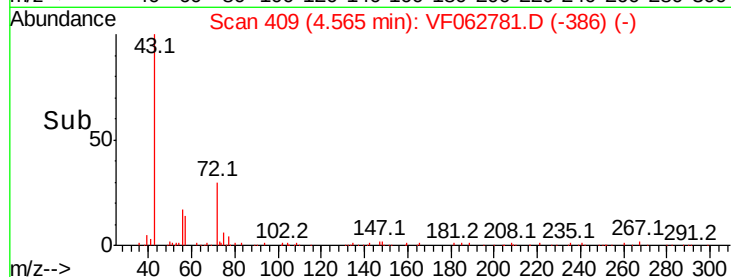
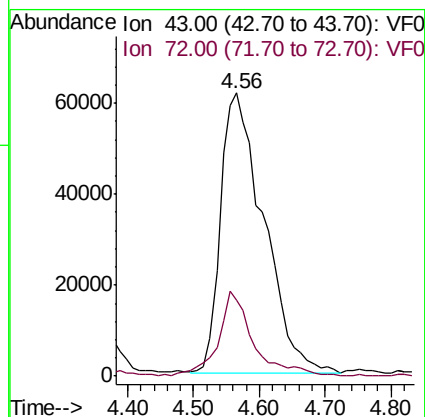
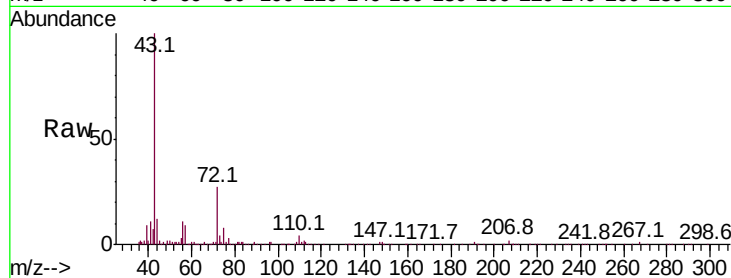
VF0529SBS03

Tot Ion: 43 Resp: 280619

Ion Ratio Lower Upper

43 100

72 27.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 24.026 ug/l

RT: 3.82 min Scan# 333

Delta R.T. 0.03 min

Lab File: VF062781.D

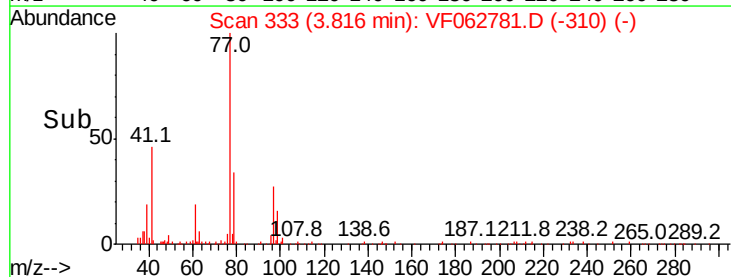
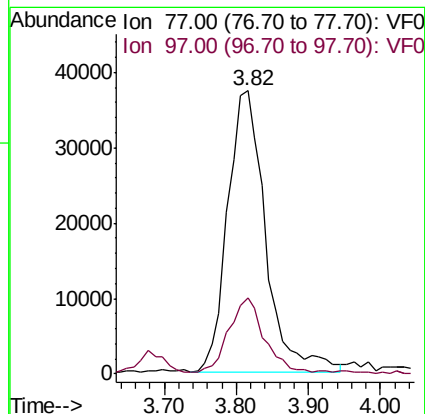
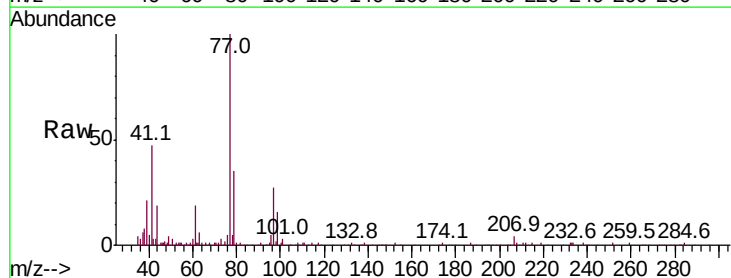
Acq: 29 May 2019 14:41

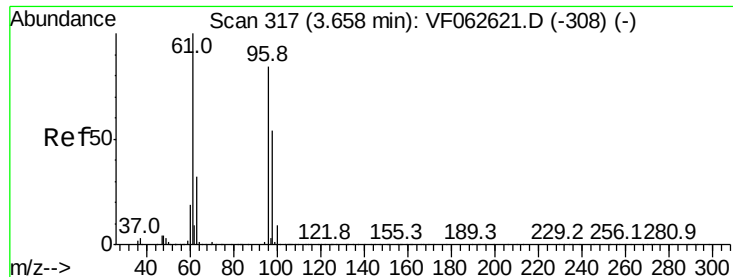
Tgt Ion: 77 Resp: 137861

Ion Ratio Lower Upper

77 100

97 26.6 14.1 42.4



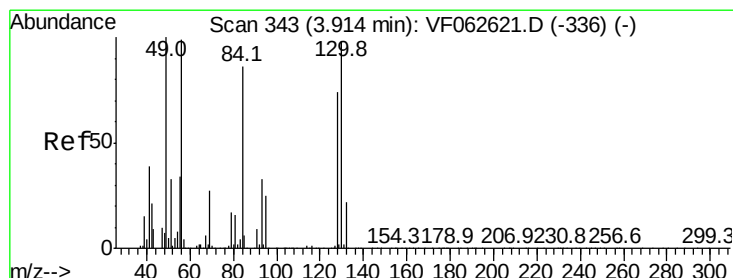
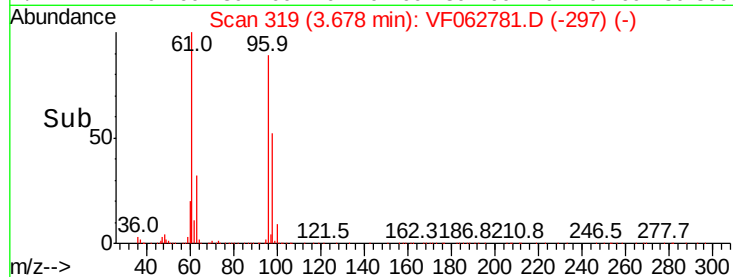
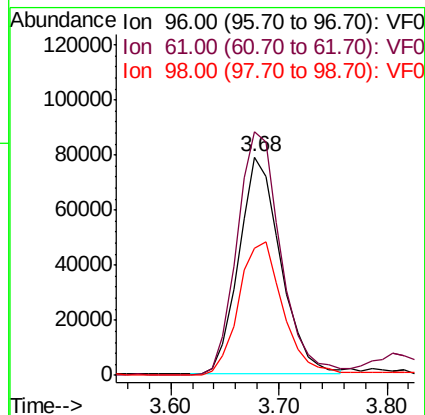
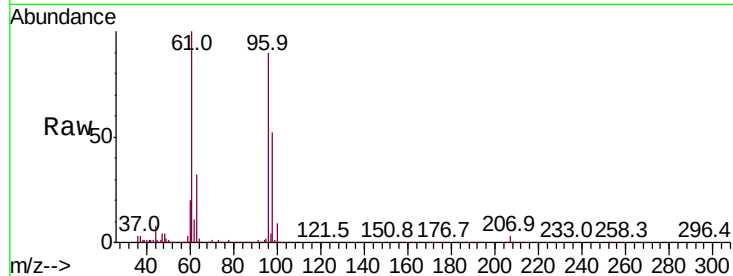


#27

cis-1,2-Dichloroethene
 Concen: 21.499 ug/l
 RT: 3.68 min Scan# 319
 Delta R.T. 0.02 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

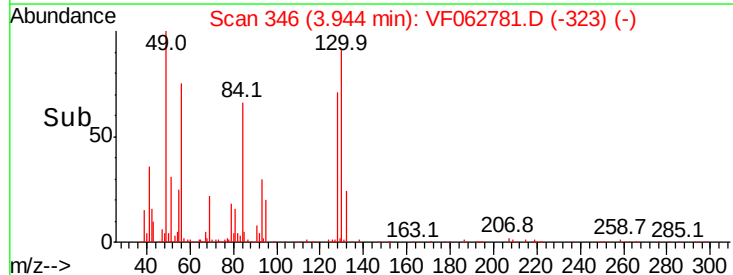
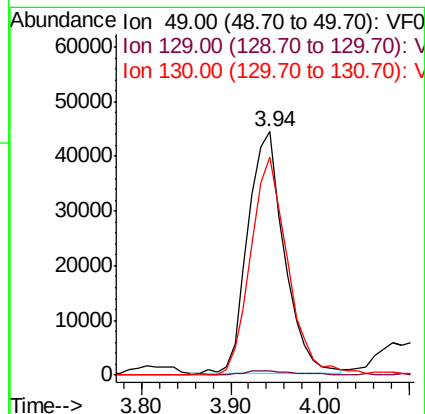
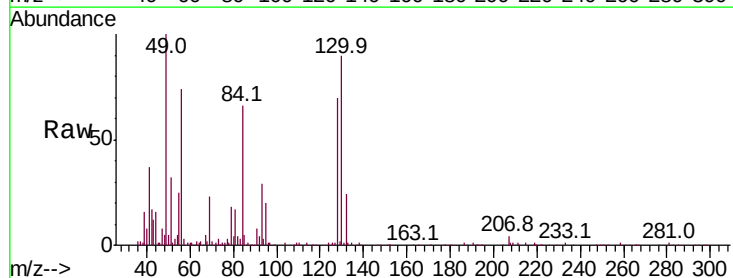
Tot Ion	Ratio	Lower	Upper
96	100		
61	111.6	0.0	237.4
98	58.4	0.0	129.0

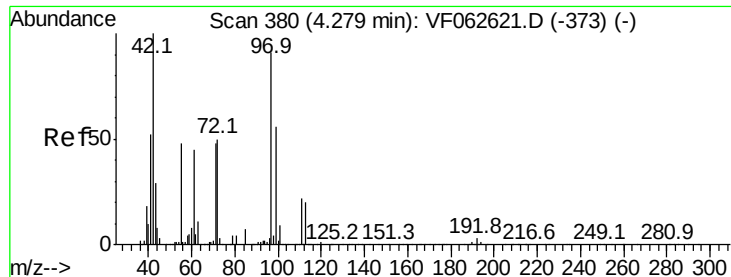


#28

Bromochloromethane
 Concen: 22.461 ug/l
 RT: 3.94 min Scan# 346
 Delta R.T. 0.03 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	4.0
130	89.6	77.8	116.8





#29

Tetrahydrofuran

Concen: 109.500 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

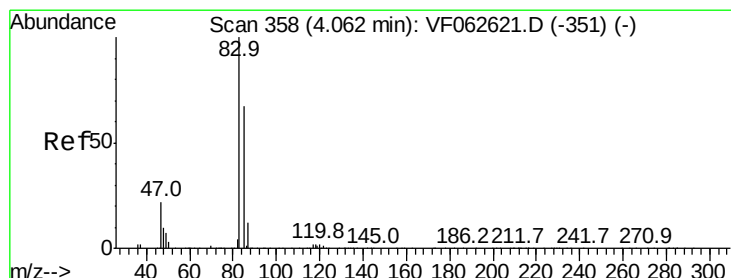
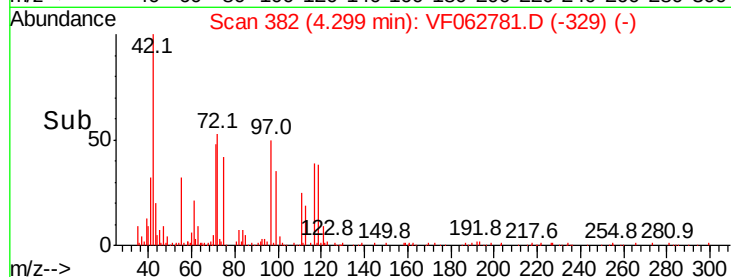
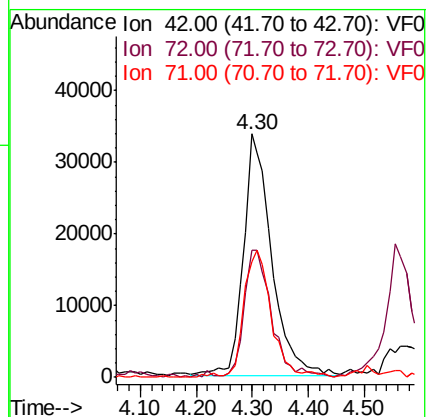
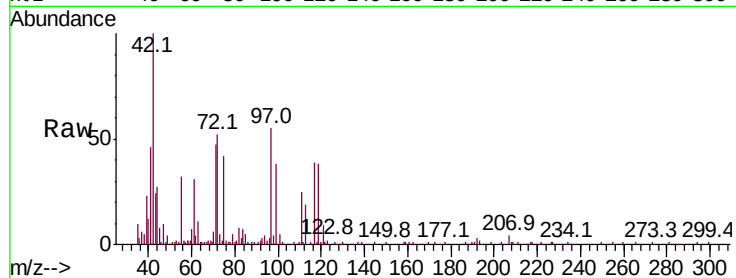
Tot Ion: 42 Resp: 118316

Ion Ratio Lower Upper

42 100

72 51.0 38.2 57.2

71 50.4 35.8 53.6



#30

Chloroform

Concen: 22.583 ug/l

RT: 4.09 min Scan# 361

Delta R.T. 0.03 min

Lab File: VF062781.D

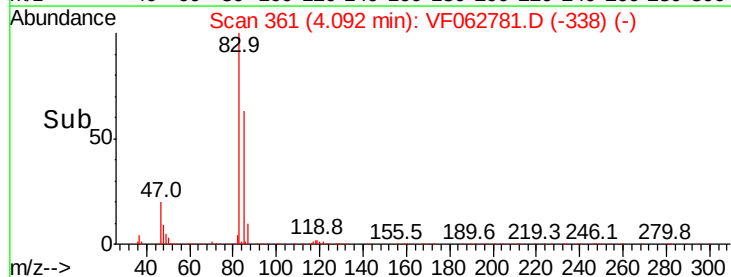
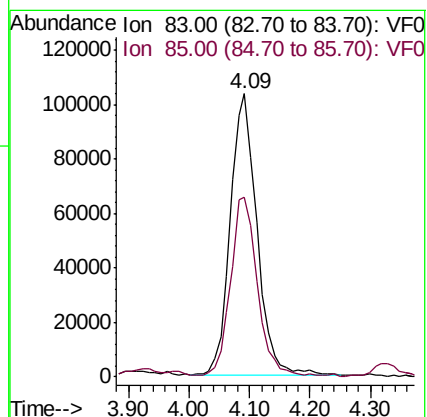
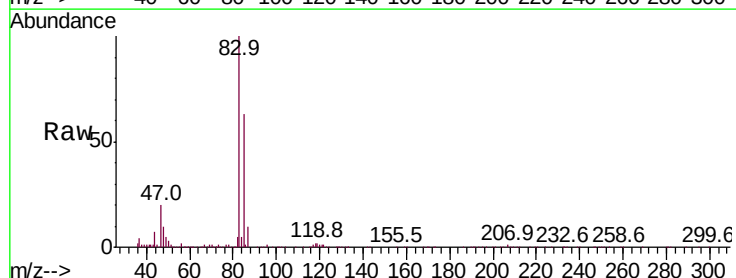
Acq: 29 May 2019 14:41

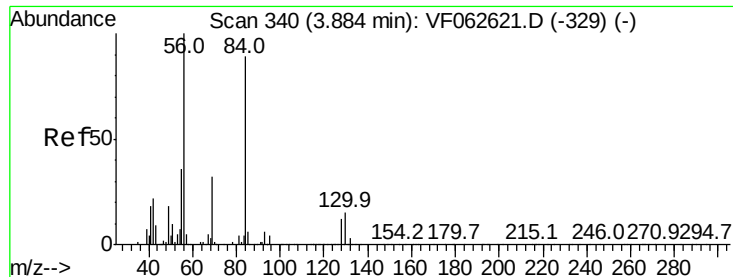
Tgt Ion: 83 Resp: 314439

Ion Ratio Lower Upper

83 100

85 63.4 53.6 80.4

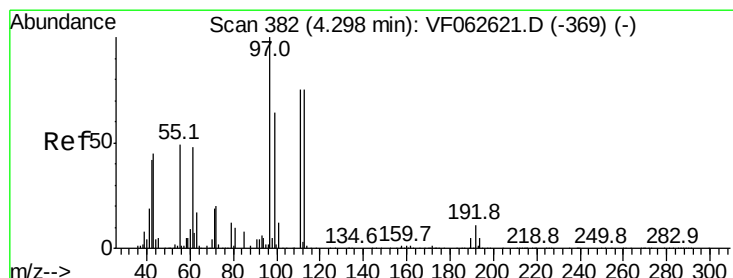
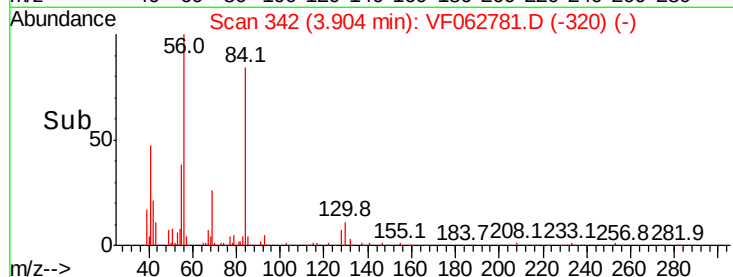
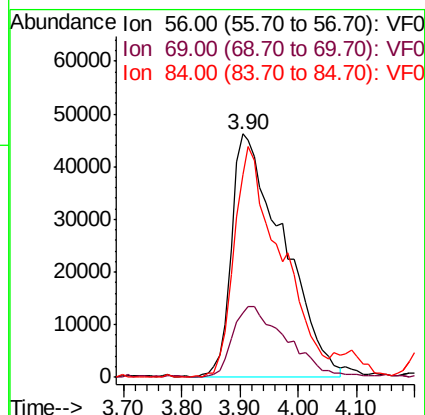
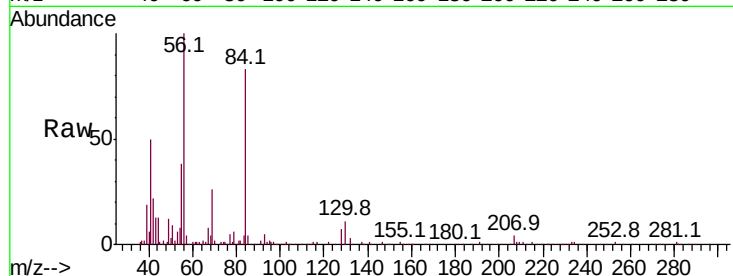




#31
Cyclohexane
Concen: 21.055 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

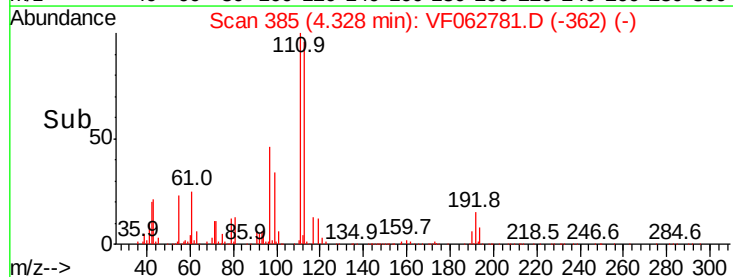
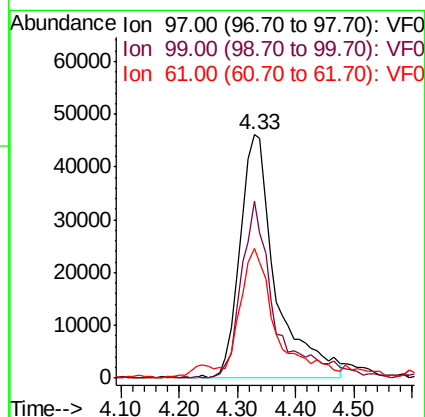
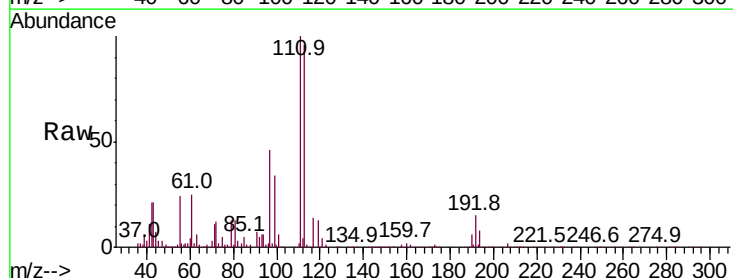
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

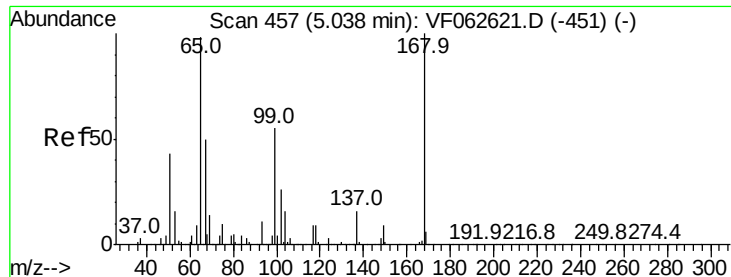
Tot Ion: 56 Resp: 283514
Ion Ratio Lower Upper
56 100
69 26.4 25.3 37.9
84 83.4 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 21.181 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 97 Resp: 195860
Ion Ratio Lower Upper
97 100
99 72.9 51.3 76.9
61 53.5 38.2 57.2

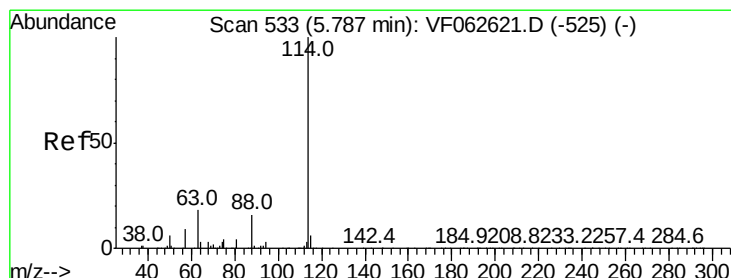
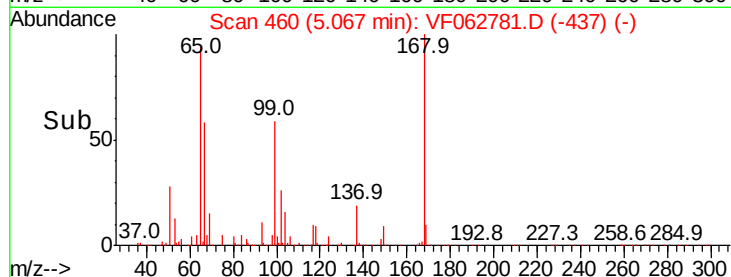
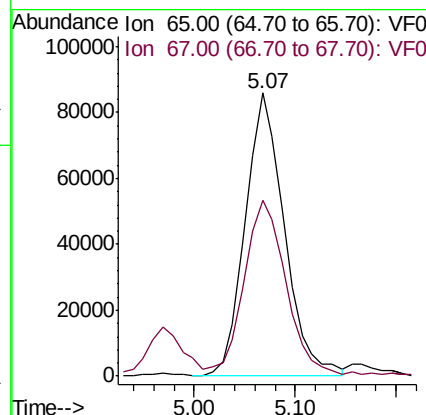
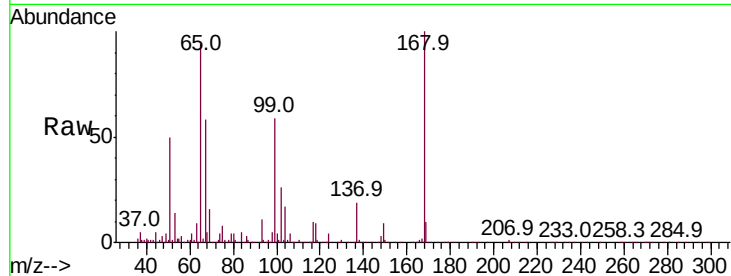




#33
 1,2-Dichloroethane-d4
 Concen: 47.808 ug/l
 RT: 5.07 min Scan# 460
 Delta R.T. 0.03 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

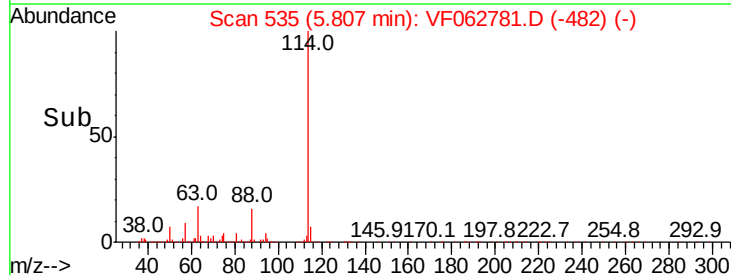
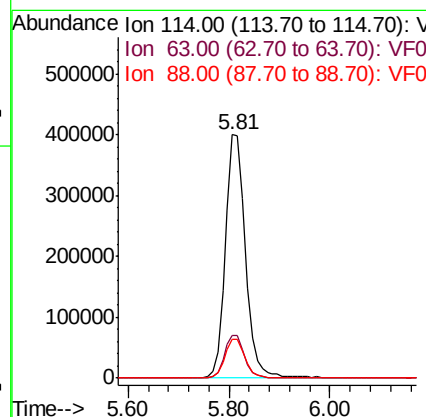
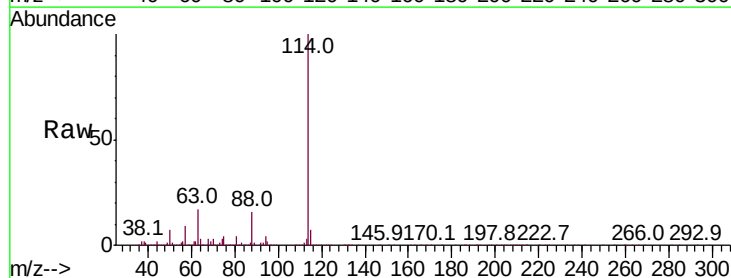
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

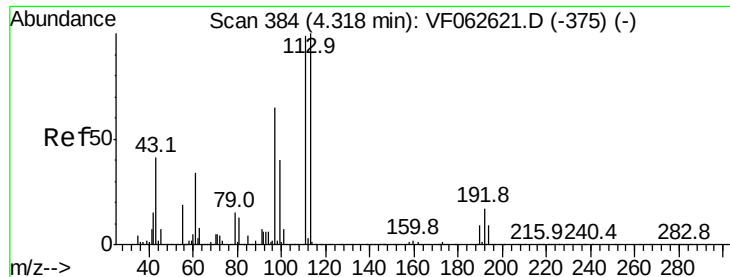
Tot Ion: 65 Resp: 230309
 Ion Ratio Lower Upper
 65 100
 67 62.1 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.81 min Scan# 535
 Delta R.T. 0.02 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Tgt Ion: 114 Resp: 1106930
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.4
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.803 ug/l

RT: 4.35 min Scan# 387

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

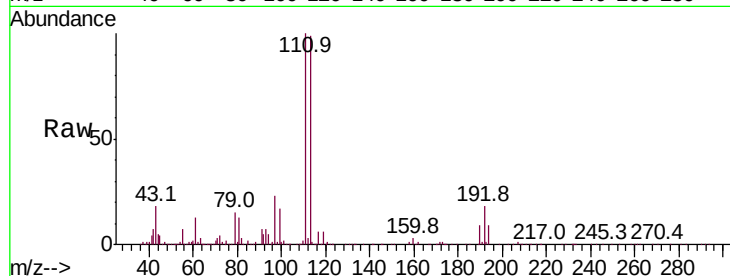
Tot Ion:113 Resp: 438782

Ion Ratio Lower Upper

113 100

111 100.7 79.4 119.2

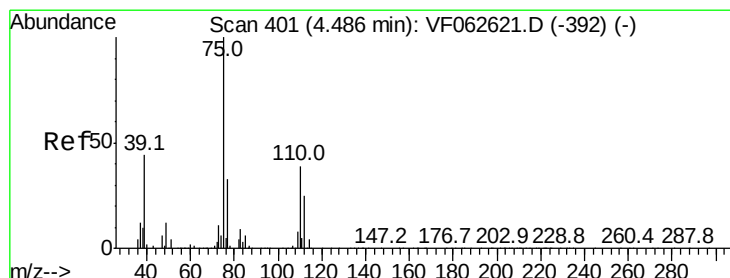
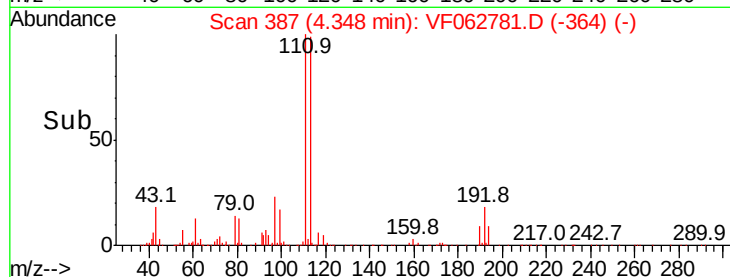
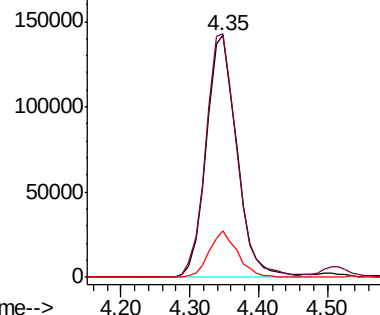
192 19.2 13.4 20.2



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.690 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

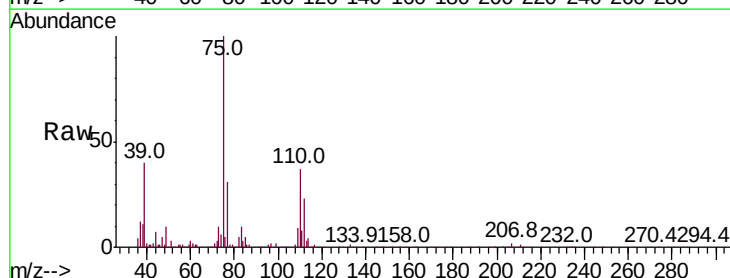
Tgt Ion: 75 Resp: 234680

Ion Ratio Lower Upper

75 100

110 36.9 19.7 59.1

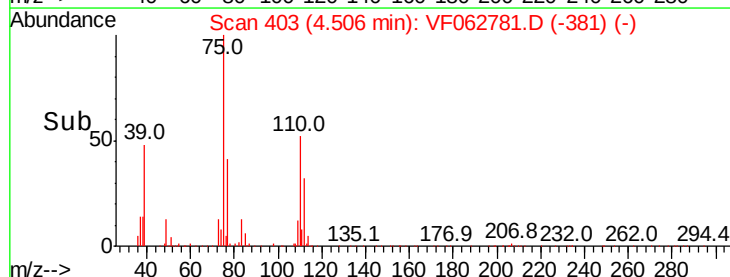
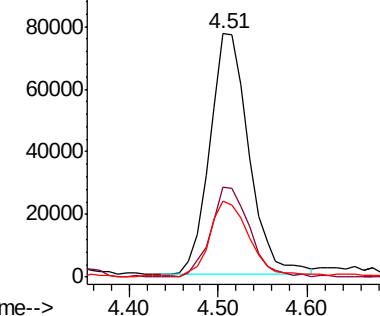
77 31.2 26.3 39.5

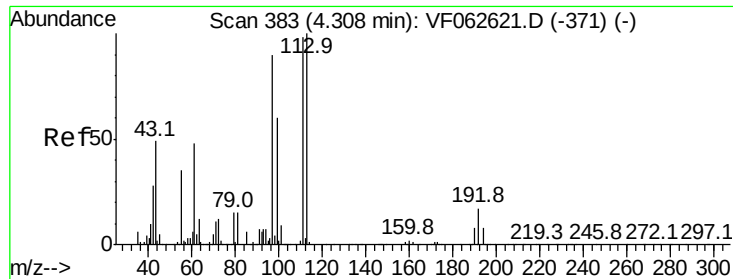


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

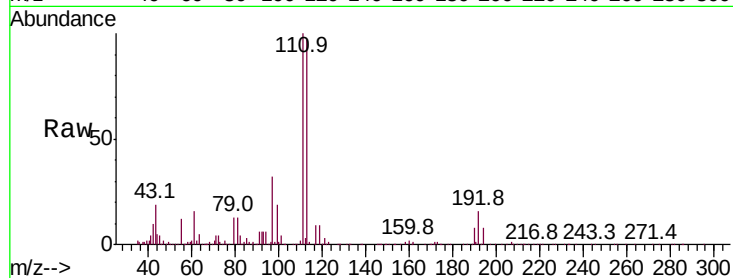




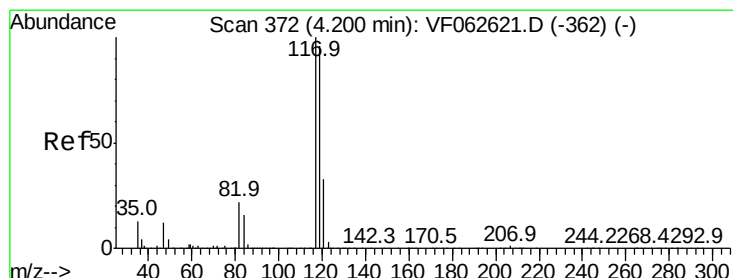
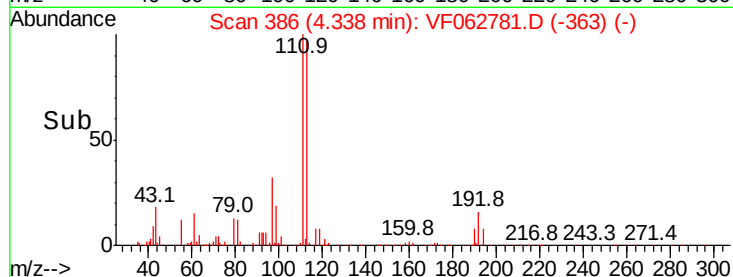
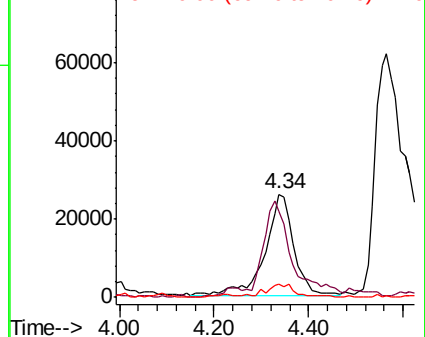
#37
Ethyl Acetate
Concen: 23.173 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 43 Resp: 107320
Ion Ratio Lower Upper
43 100
61 83.4 76.9 115.3
70 12.7 8.8 13.2

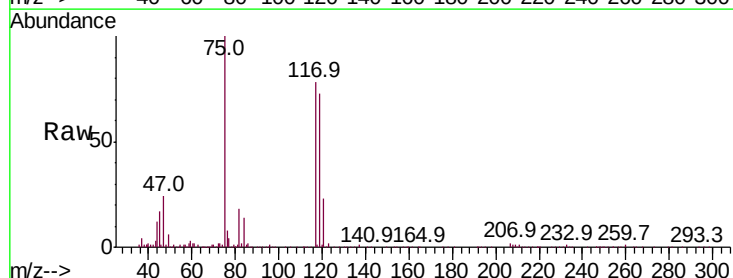


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

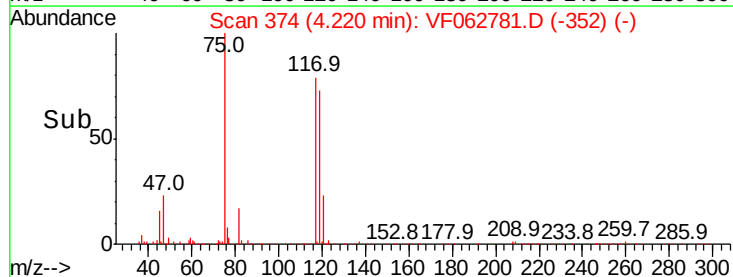
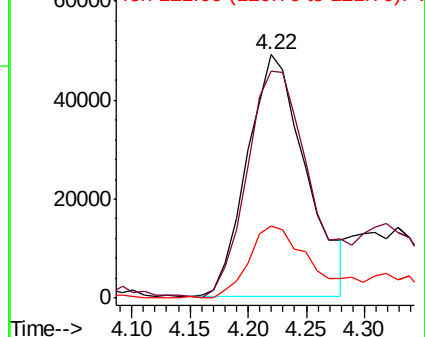


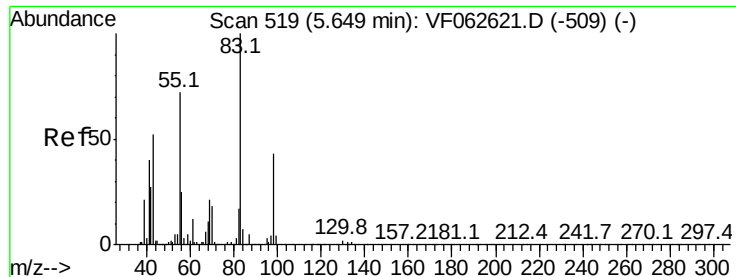
#38
Carbon Tetrachloride
Concen: 20.039 ug/l
RT: 4.22 min Scan# 374
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 117 Resp: 170947
Ion Ratio Lower Upper
117 100
119 93.1 76.7 115.1
121 29.6 26.6 40.0



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





#39

Methylcyclohexane

Concen: 21.509 ug/l

RT: 5.67 min Scan# 521

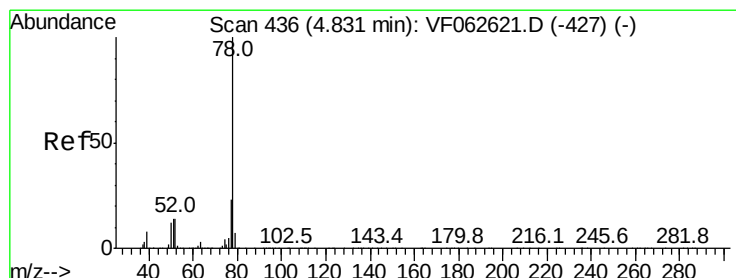
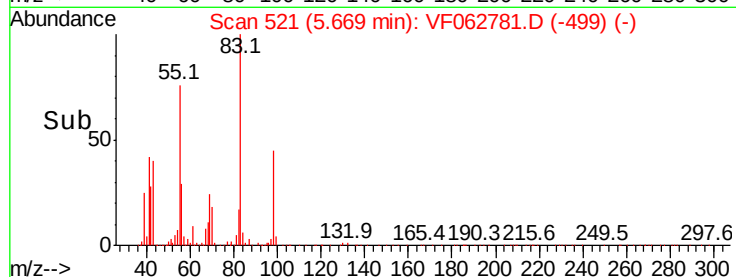
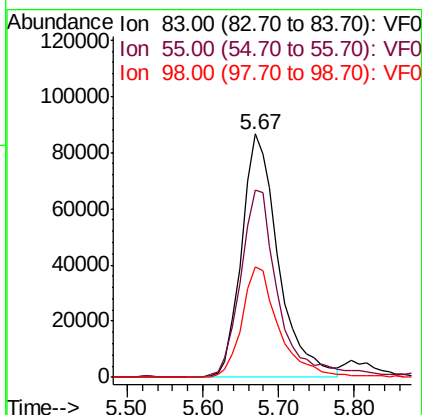
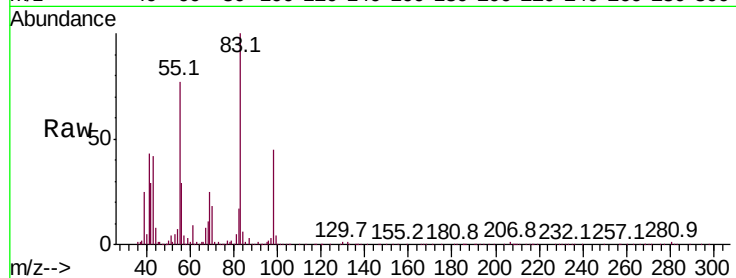
Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion	83	Resp	293554
Ion Ratio	100		
Lower	57.9		
Upper	86.9		
83	76.8		
55	45.2		
98	34.6		



#40

Benzene

Concen: 23.900 ug/l

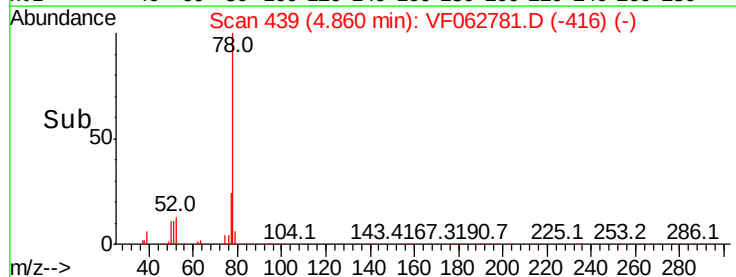
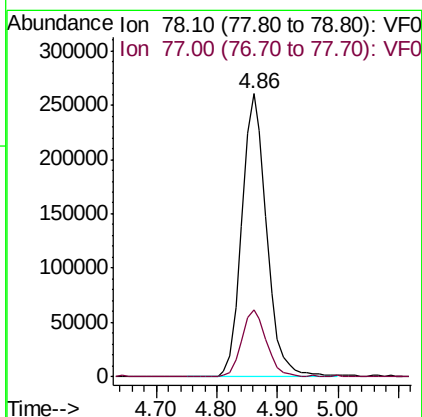
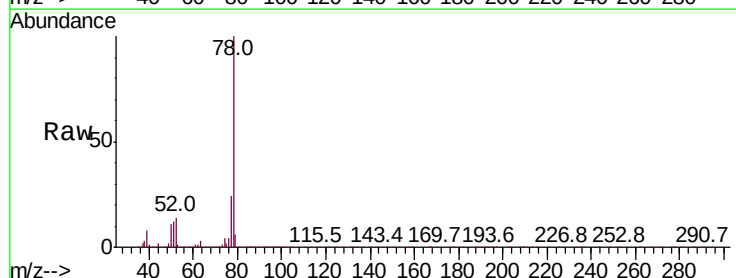
RT: 4.86 min Scan# 439

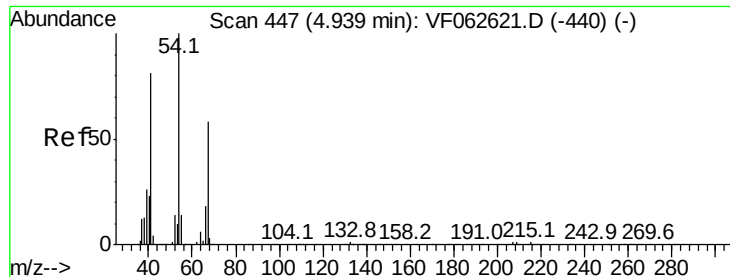
Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion	78	Resp	738520
Ion Ratio	100		
Lower	18.2		
Upper	27.2		
78	23.9		
77			





#41

Methacrylonitrile

Concen: 21.417 ug/l

RT: 4.97 min Scan# 450

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 41 Resp: 52000

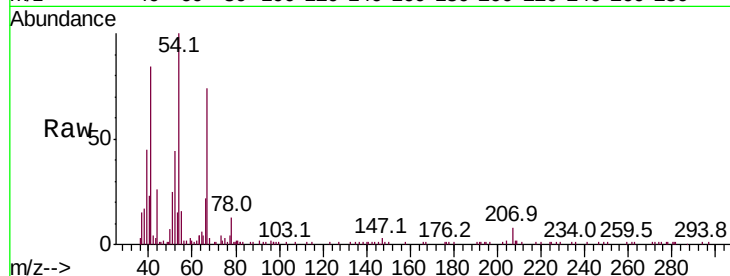
Ion Ratio Lower Upper

41 100

39 53.6 42.2 63.2

67 88.6 56.4 84.6#

52 52.7 38.8 58.2

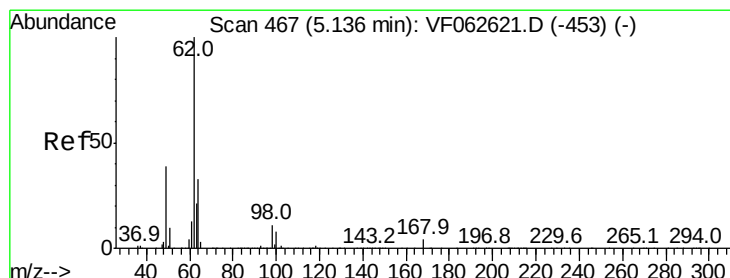
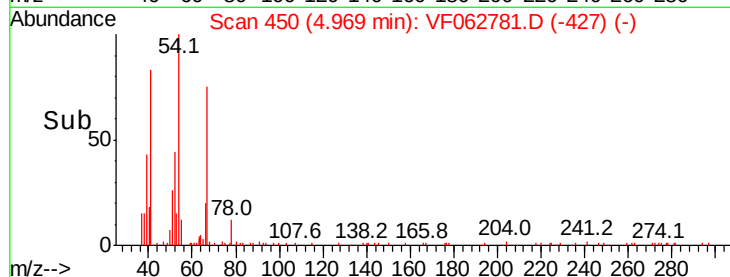
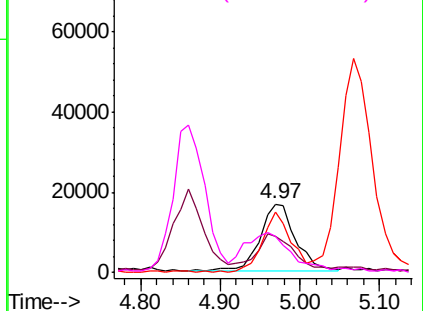


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.060 ug/l

RT: 5.17 min Scan# 470

Delta R.T. 0.03 min

Lab File: VF062781.D

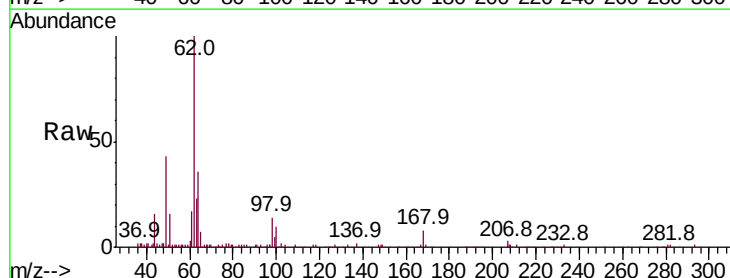
Acq: 29 May 2019 14:41

Tgt Ion: 62 Resp: 123609

Ion Ratio Lower Upper

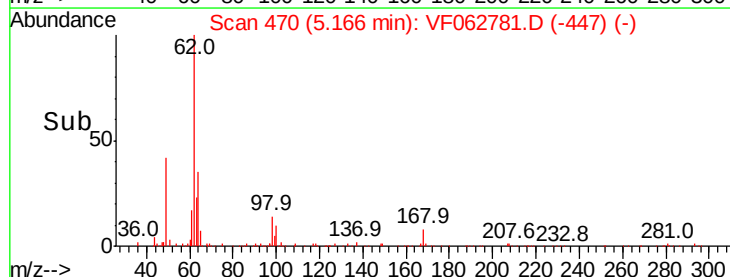
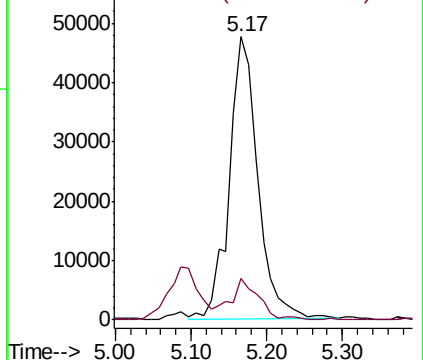
62 100

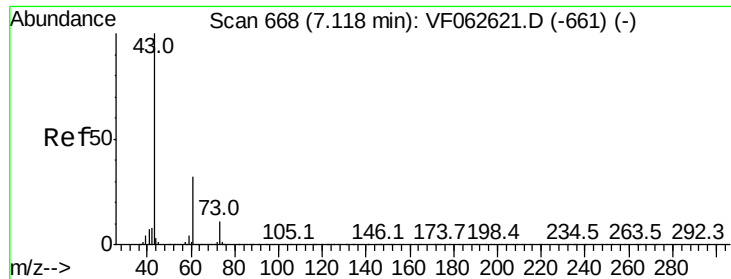
98 14.5 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 20.184 ug/l

RT: 7.15 min Scan# 671

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

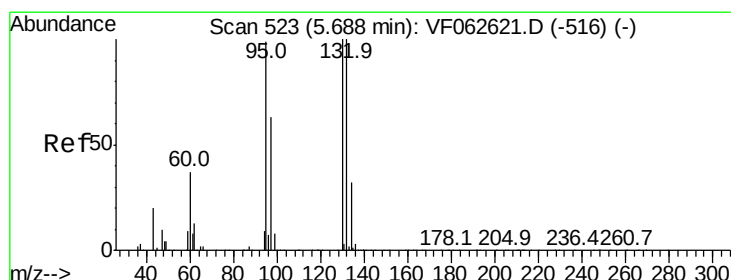
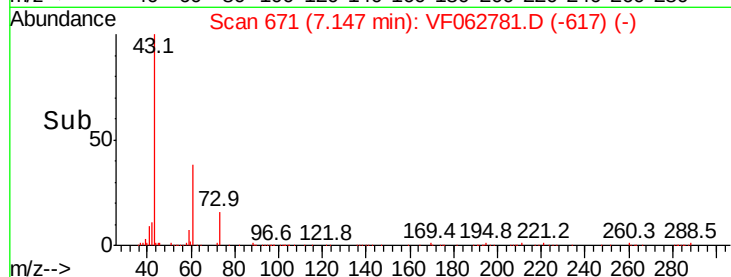
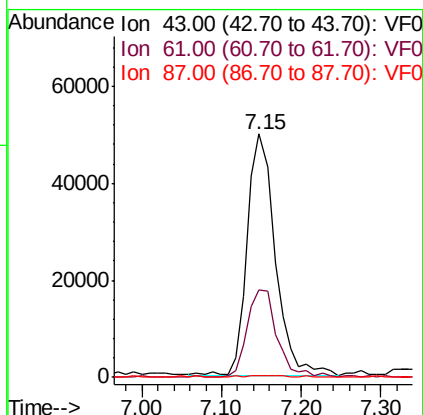
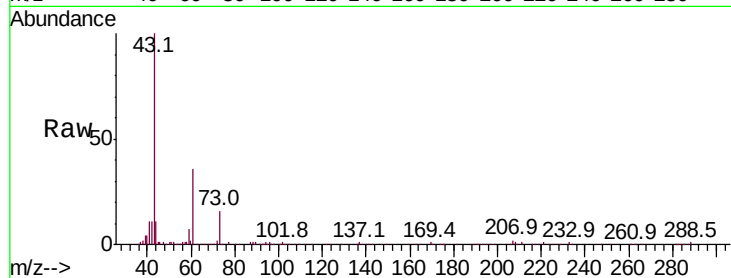
Tot Ion: 43 Resp: 121102

Ion Ratio Lower Upper

43 100

61 35.9 25.8 38.8

87 0.9 0.4 0.6#



#44

Trichloroethene

Concen: 22.020 ug/l

RT: 5.73 min Scan# 527

Delta R.T. 0.04 min

Lab File: VF062781.D

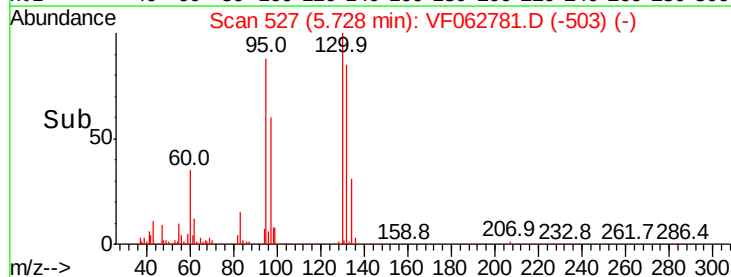
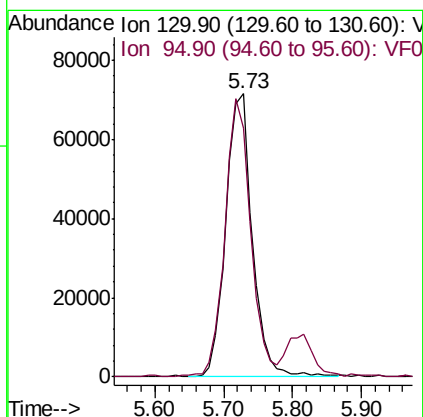
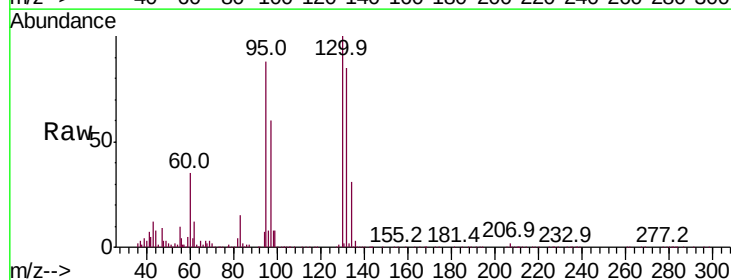
Acq: 29 May 2019 14:41

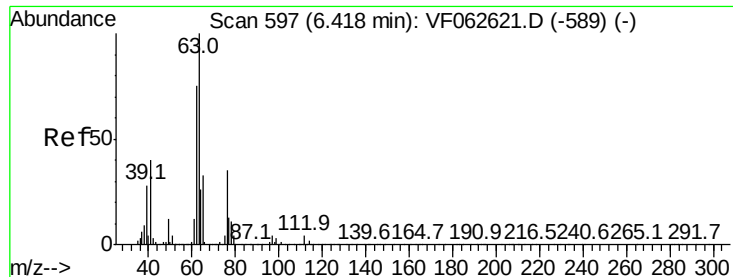
Tgt Ion:130 Resp: 191233

Ion Ratio Lower Upper

130 100

95 87.8 0.0 199.4





#45

1,2-Dichloropropane

Concen: 23.415 ug/l

RT: 6.45 min Scan# 600

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

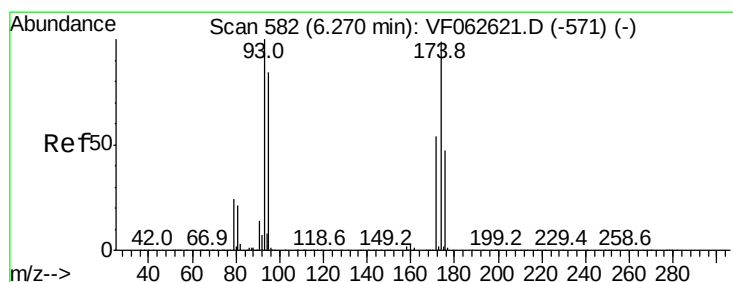
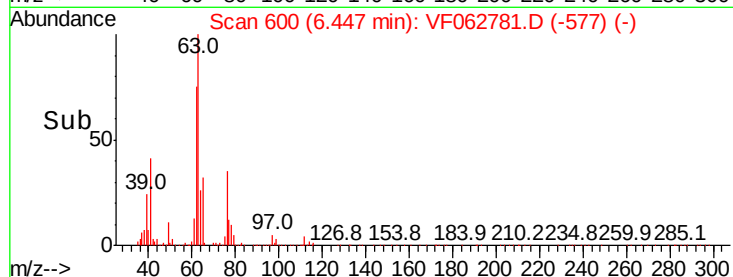
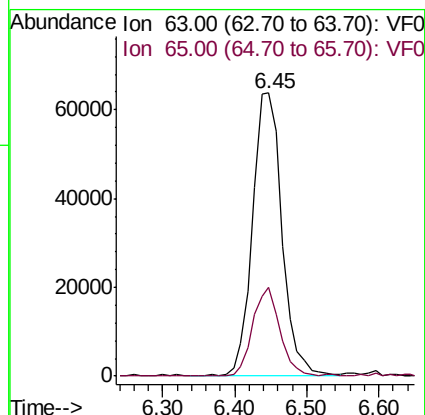
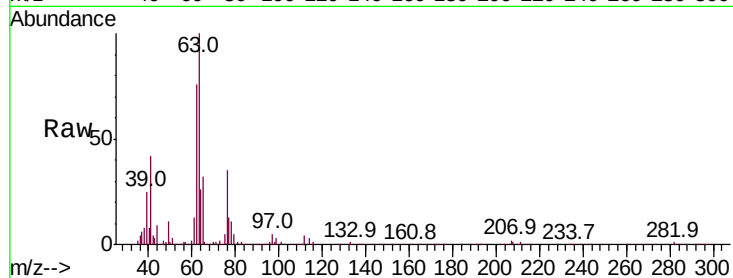
VF0529SBS03

Tot Ion: 63 Resp: 182646

Ion Ratio Lower Upper

63 100

65 31.6 26.3 39.5



#46

Dibromomethane

Concen: 22.420 ug/l

RT: 6.30 min Scan# 585

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

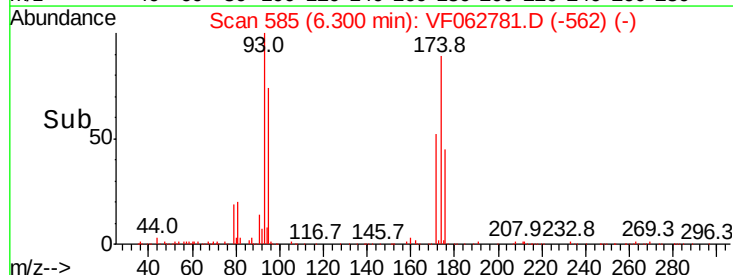
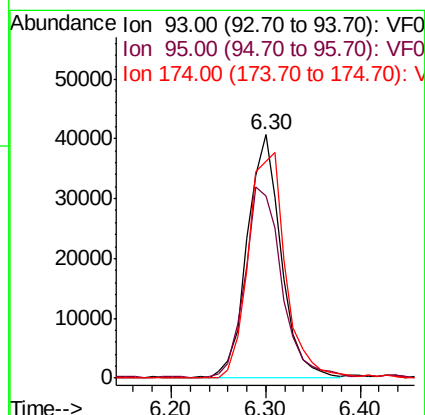
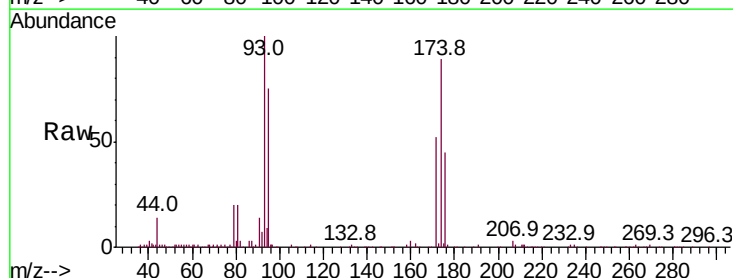
Tgt Ion: 93 Resp: 101071

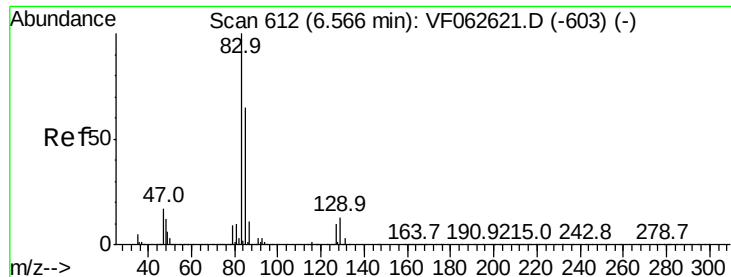
Ion Ratio Lower Upper

93 100

95 74.6 67.4 101.2

174 89.0 79.4 119.2





#47

Bromodichloromethane

Concen: 22.498 ug/l

RT: 6.59 min Scan# 614

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

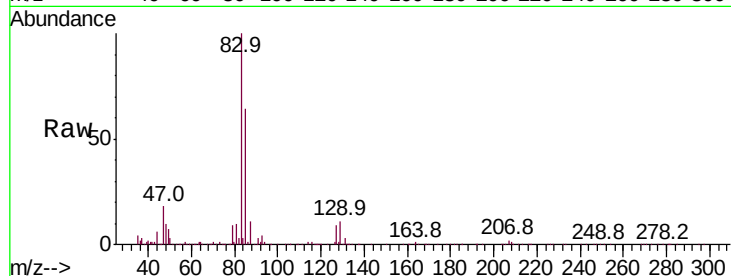
Tot Ion: 83 Resp: 210549

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0

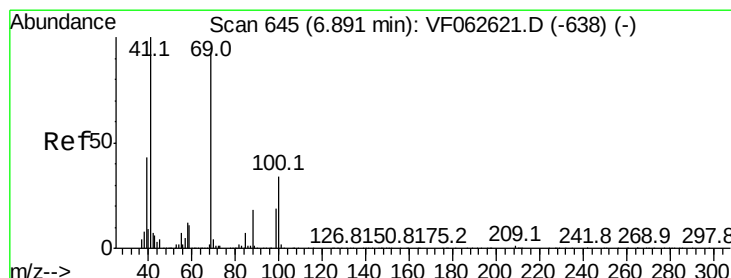
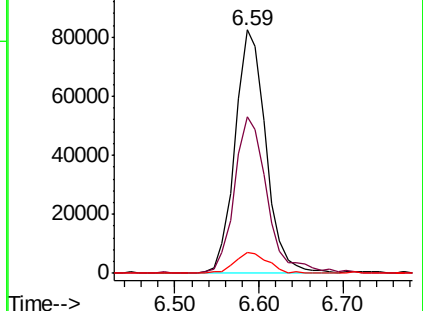
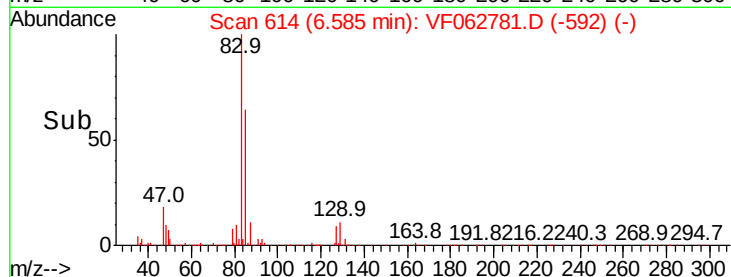
127 8.6 7.7 11.5



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: 19.174 ug/l

RT: 6.91 min Scan# 647

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

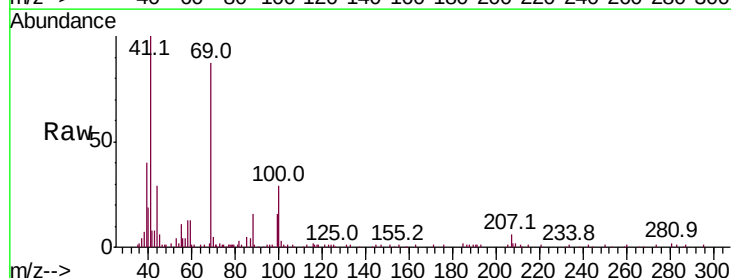
Tgt Ion: 41 Resp: 60129

Ion Ratio Lower Upper

41 100

69 87.0 74.2 111.2

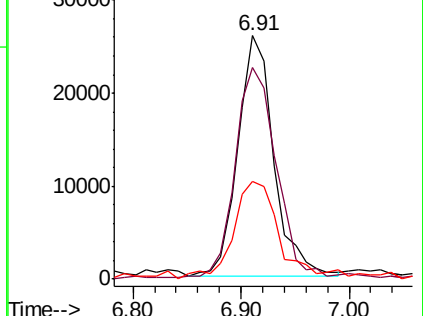
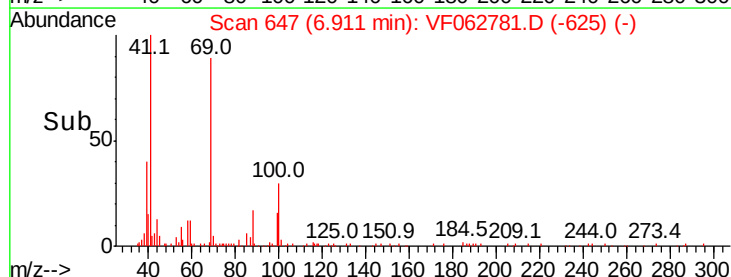
39 40.0 34.2 51.4

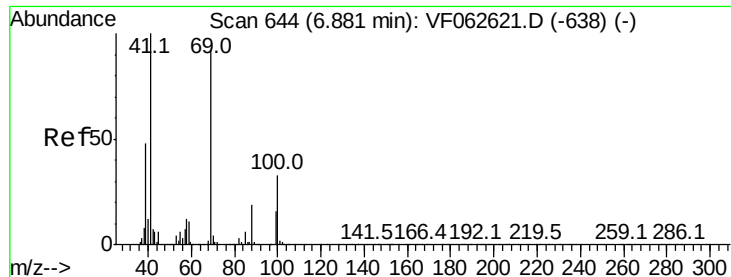


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

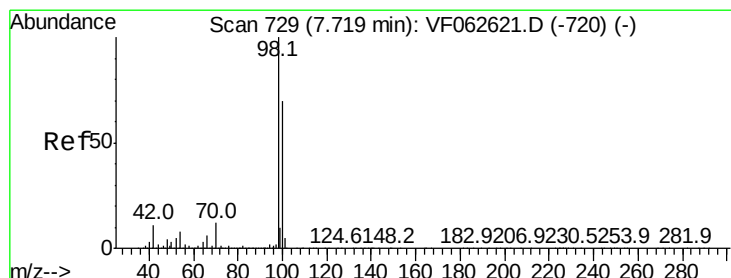
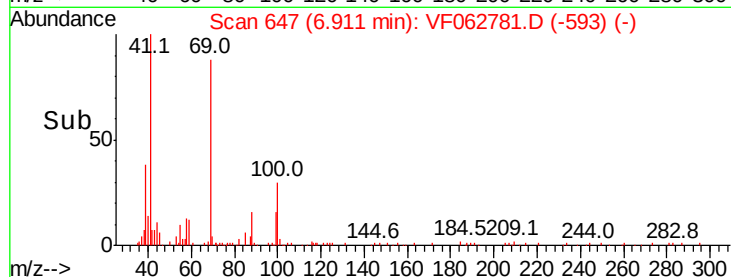
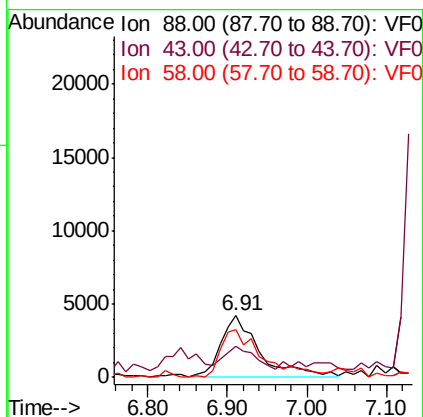
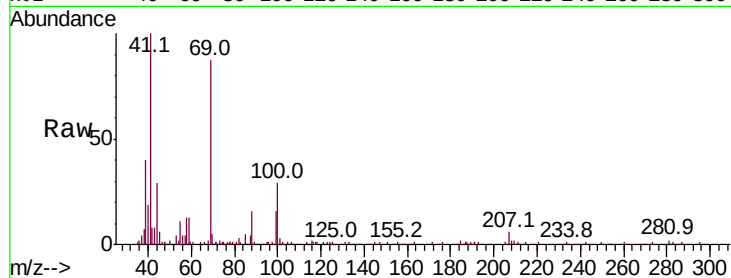




#49
1,4-Dioxane
Concen: 363.738 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

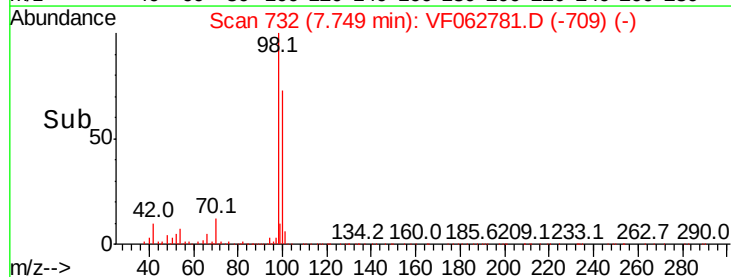
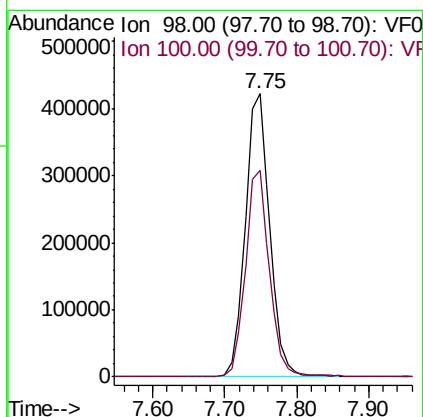
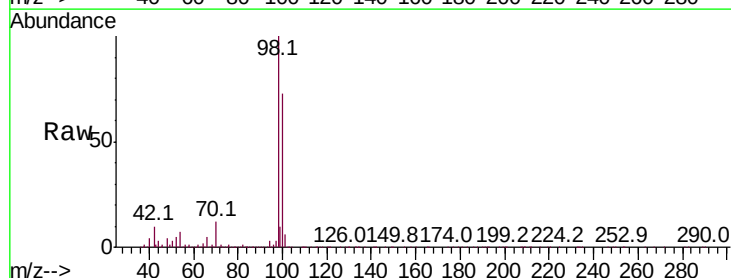
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

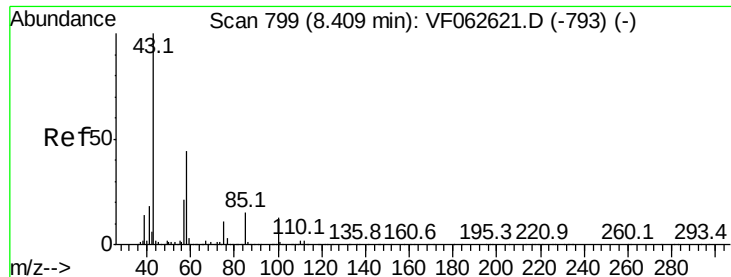
Tot Ion: 88 Resp: 14610
Ion Ratio Lower Upper
88 100
43 51.4 30.0 45.0#
58 78.3 51.1 76.7#



#50
Toluene-d8
Concen: 49.324 ug/l
RT: 7.75 min Scan# 732
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 98 Resp: 997515
Ion Ratio Lower Upper
98 100
100 73.0 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 115.125 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

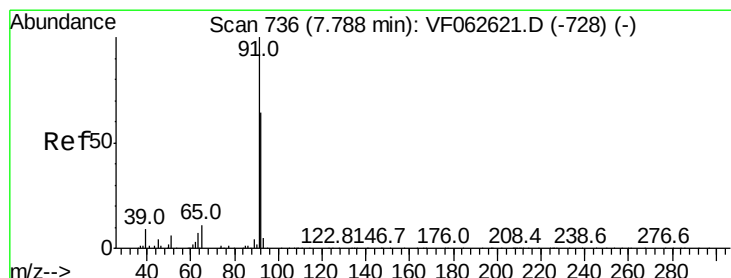
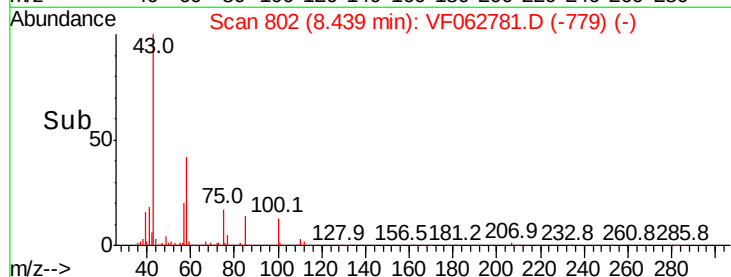
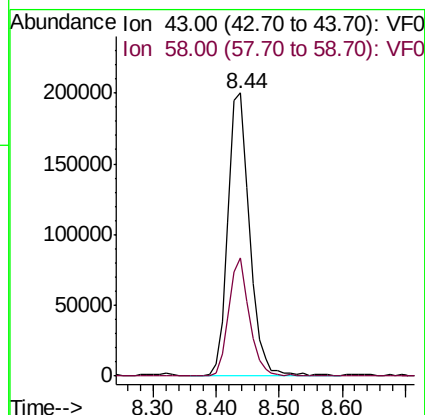
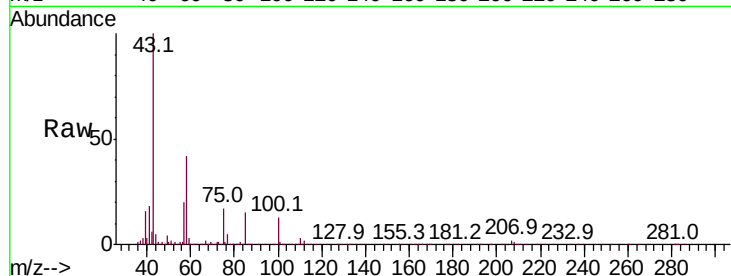
VF0529SBS03

Tot Ion: 43 Resp: 472147

Ion Ratio Lower Upper

43 100

58 41.9 34.9 52.3



#52

Toluene

Concen: 23.017 ug/l

RT: 7.82 min Scan# 739

Delta R.T. 0.03 min

Lab File: VF062781.D

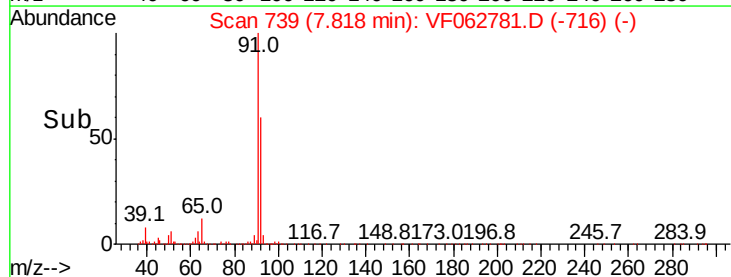
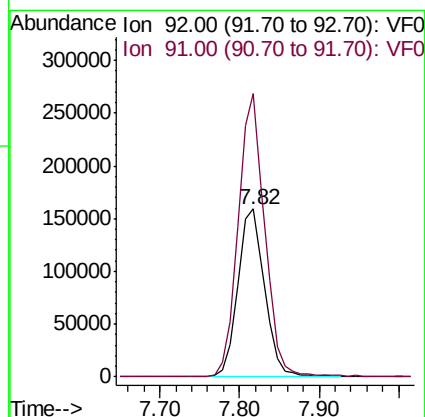
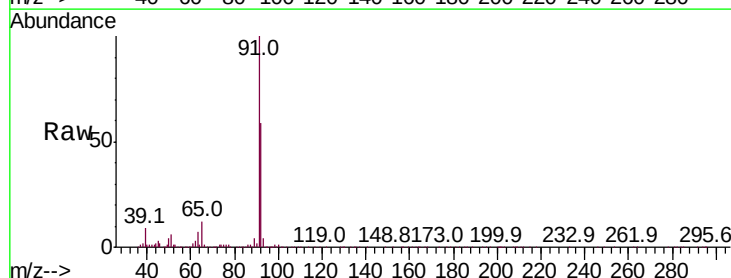
Acq: 29 May 2019 14:41

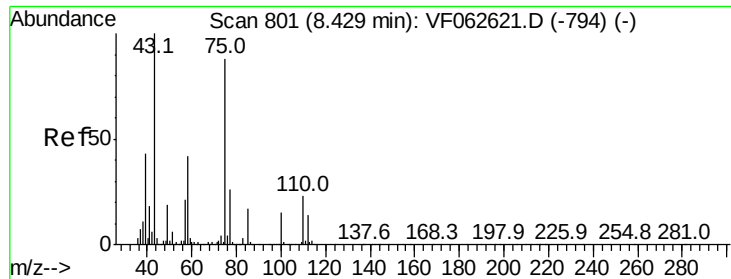
Tgt Ion: 92 Resp: 372998

Ion Ratio Lower Upper

92 100

91 168.4 125.4 188.0

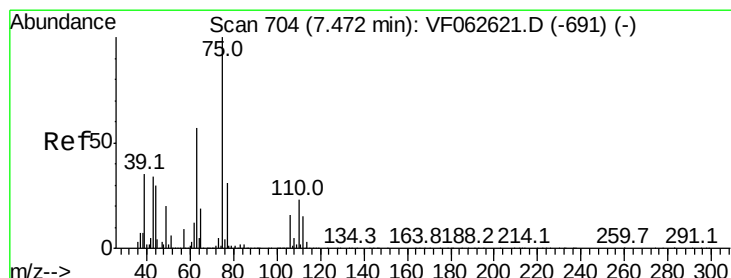
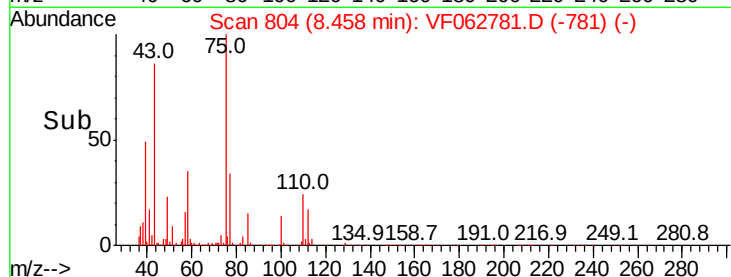
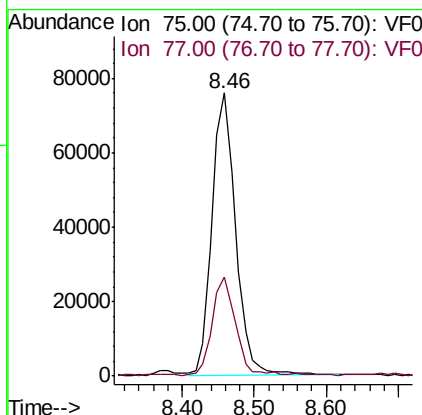
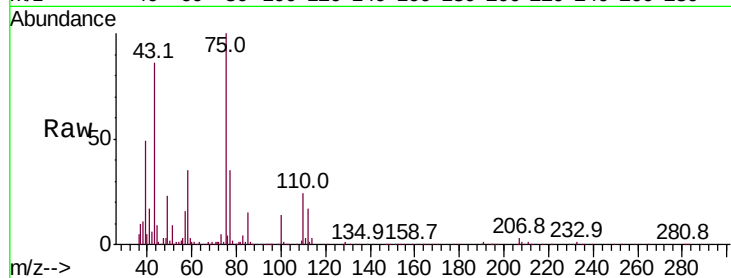




#53
 t-1,3-Dichloropropene
 Concen: 22.458 ug/l
 RT: 8.46 min Scan# 804
 Delta R.T. 0.03 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

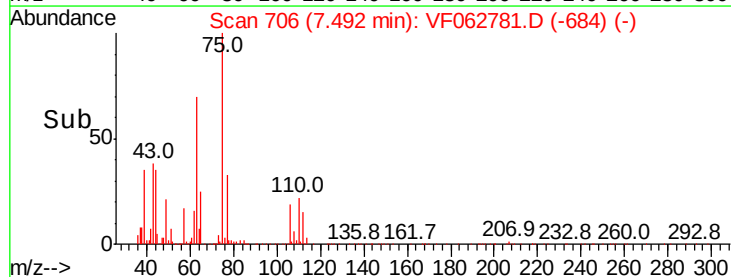
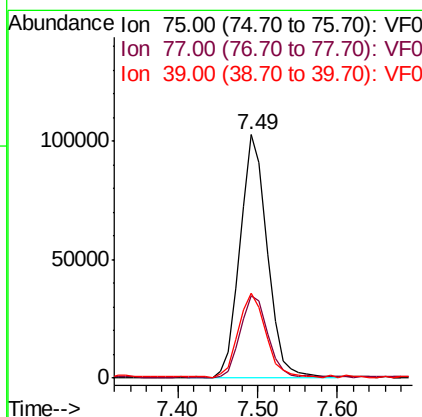
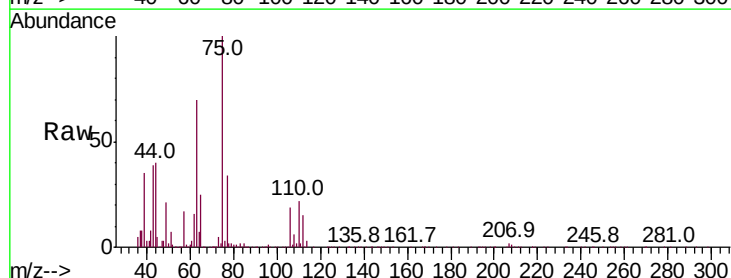
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

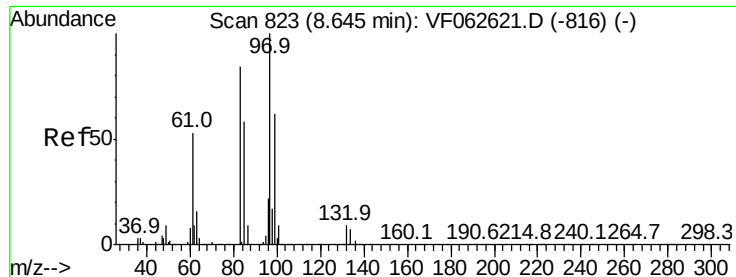
Tot Ion: 75 Resp: 171954
 Ion Ratio Lower Upper
 75 100
 77 34.9 24.2 36.4



#54
 cis-1,3-Dichloropropene
 Concen: 22.722 ug/l
 RT: 7.49 min Scan# 706
 Delta R.T. 0.02 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Tgt Ion: 75 Resp: 243526
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.3 37.9
 39 35.1 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 23.513 ug/l

RT: 8.67 min Scan# 825

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

Tot Ion: 97 Resp: 112822

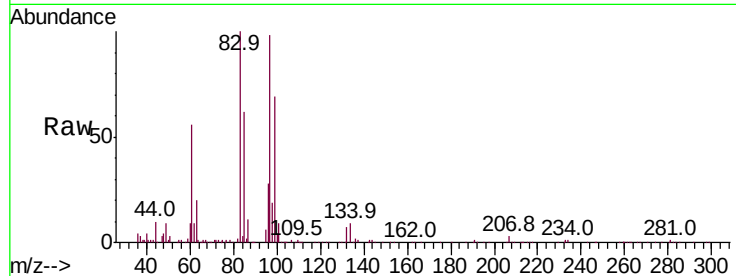
Ion Ratio Lower Upper

97 100

83 101.6 67.3 100.9#

85 62.7 46.6 69.8

99 69.6 49.7 74.5

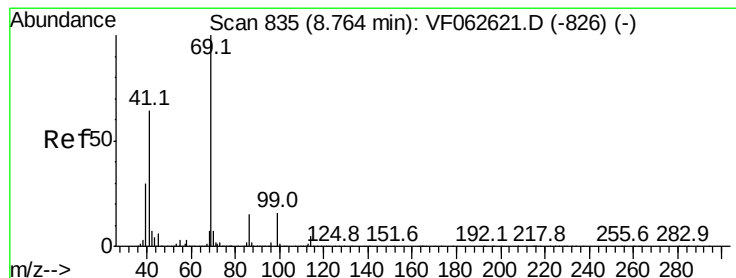
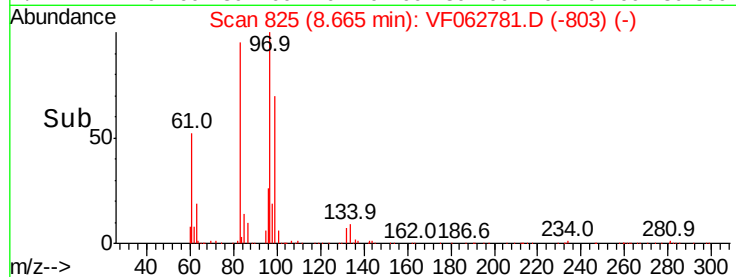
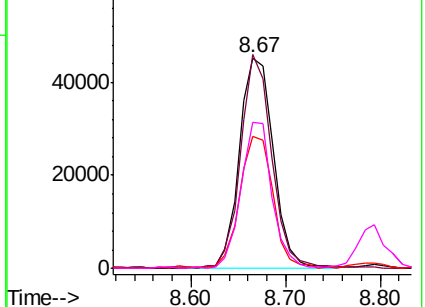


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 20.463 ug/l

RT: 8.78 min Scan# 837

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

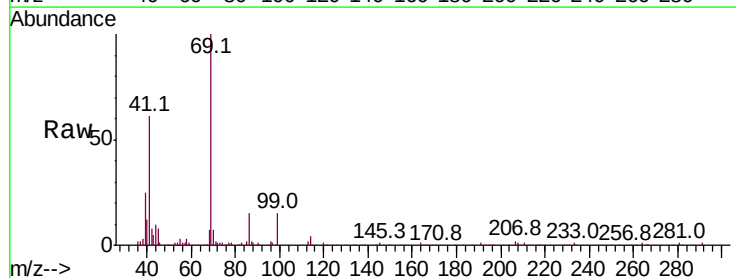
Tgt Ion: 69 Resp: 116976

Ion Ratio Lower Upper

69 100

41 61.1 51.4 77.2

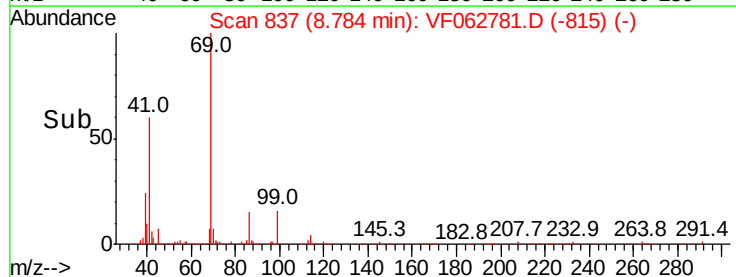
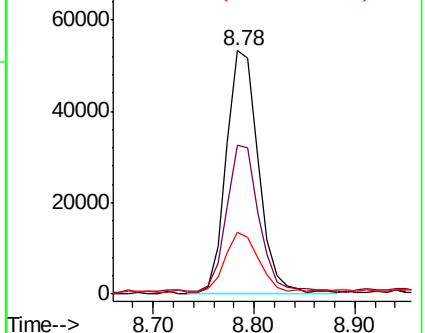
39 25.4 23.6 35.4

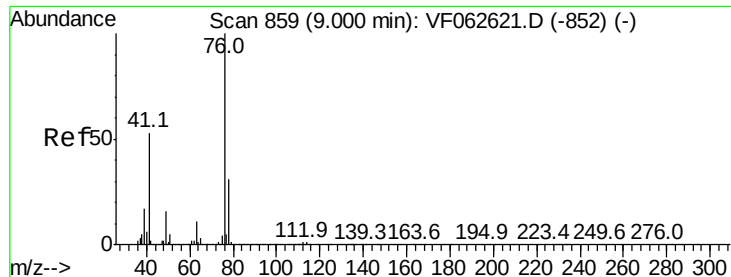


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.235 ug/l

RT: 9.03 min Scan# 862

Delta R.T. 0.03 min

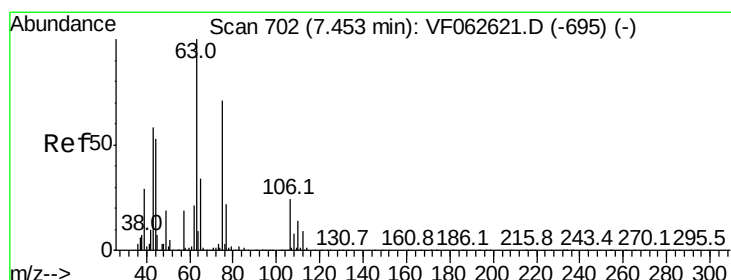
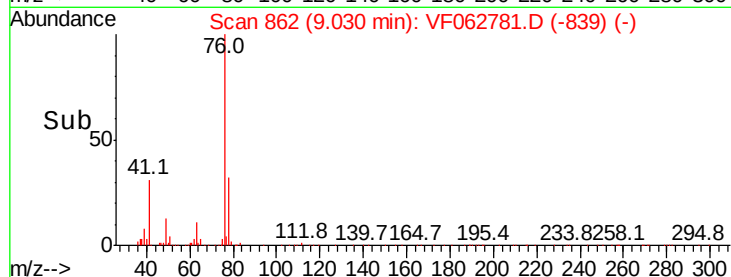
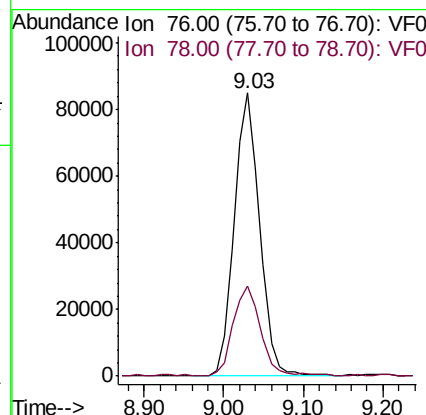
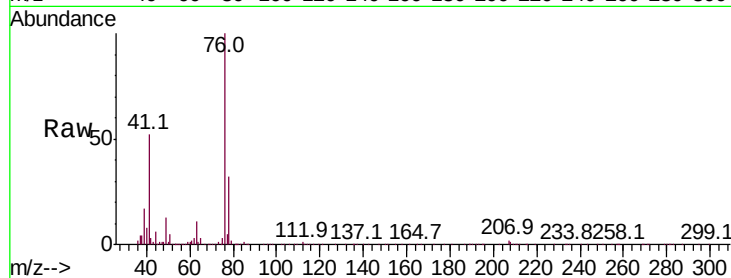
Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 76 Resp: 189894

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.0



#58

2-Chloroethyl Vinyl ether

Concen: 108.797 ug/l

RT: 7.48 min Scan# 705

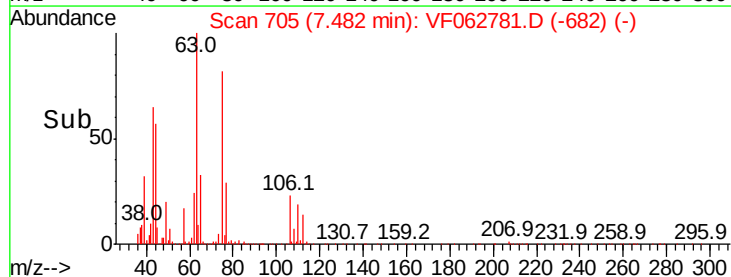
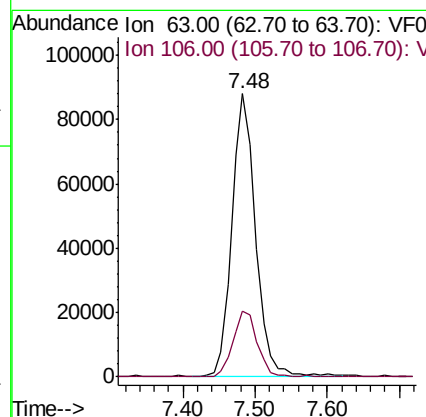
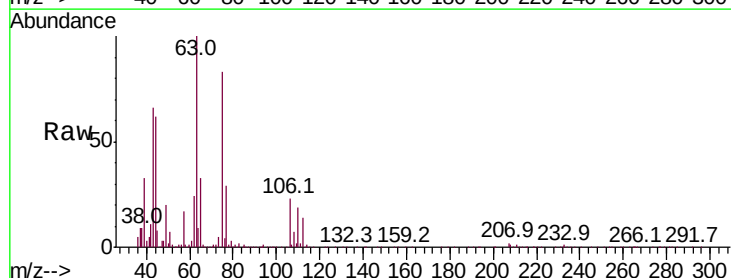
Delta R.T. 0.03 min

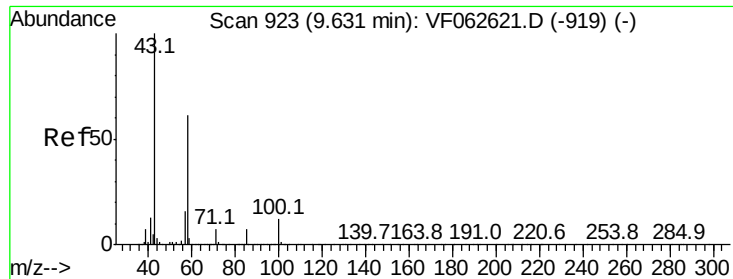
Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion: 63 Resp: 202441

Ion	Ratio	Lower	Upper
63	100		
106	23.0	19.1	28.7

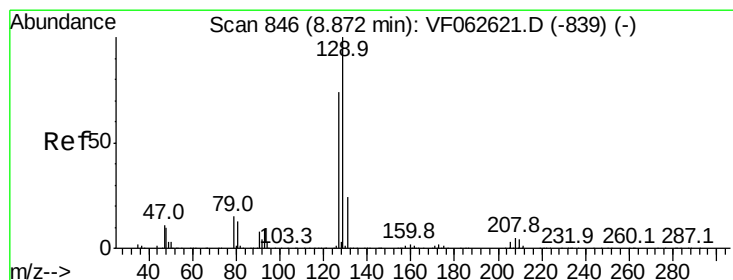
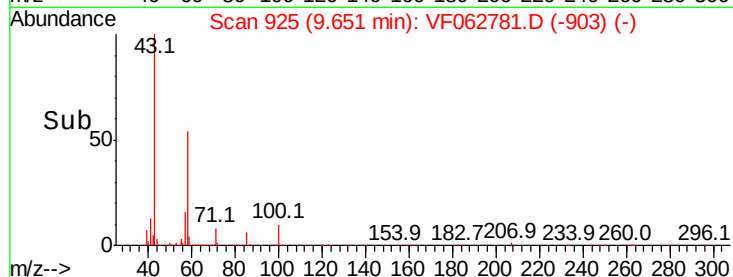
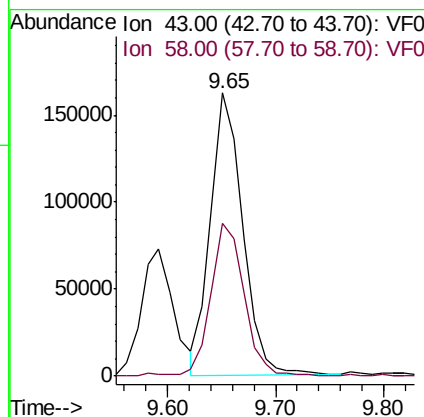
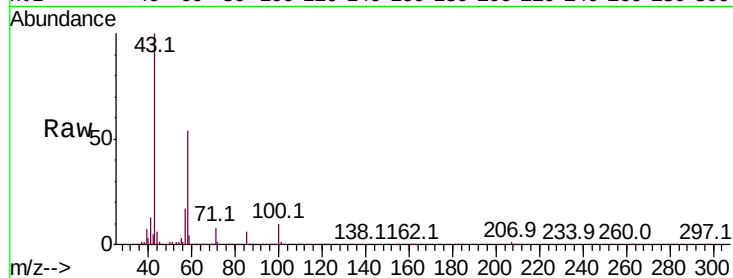




#59
2-Hexanone
Concen: 116.450 ug/l
RT: 9.65 min Scan# 925
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

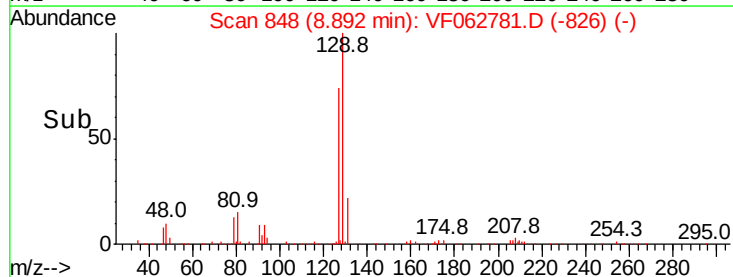
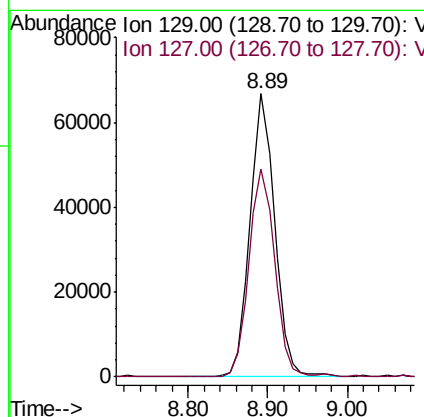
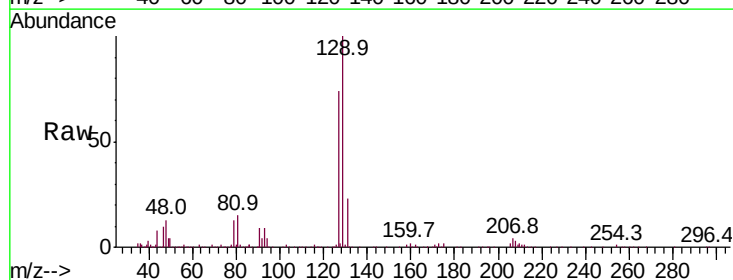
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

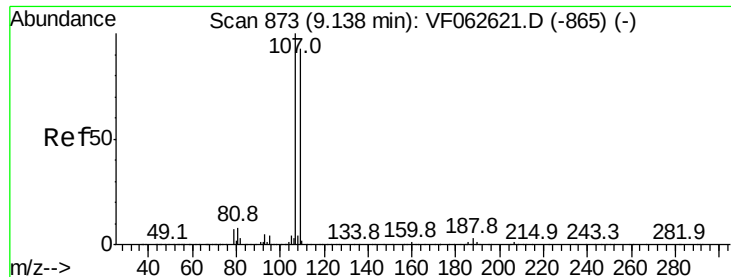
Tot Ion: 43 Resp: 336128
Ion Ratio Lower Upper
43 100
58 53.8 28.1 84.4



#60
Dibromochloromethane
Concen: 22.819 ug/l
RT: 8.89 min Scan# 848
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 129 Resp: 142701
Ion Ratio Lower Upper
129 100
127 73.5 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.231 ug/l

RT: 9.17 min Scan# 876

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

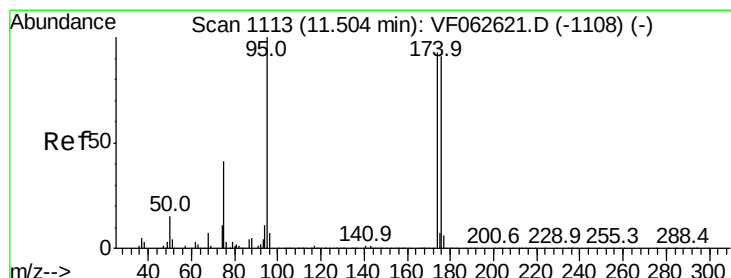
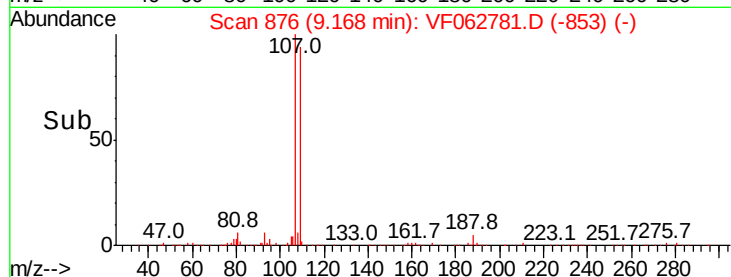
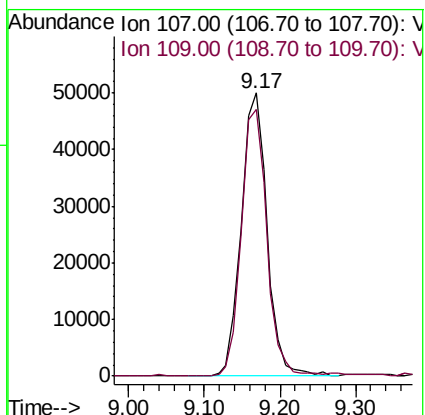
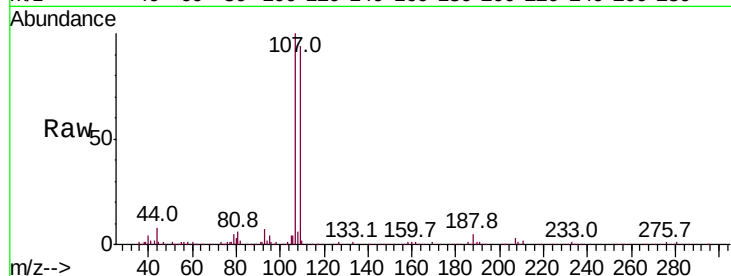
VF0529SBS03

Tot Ion:107 Resp: 118395

Ion Ratio Lower Upper

107 100

109 94.3 74.8 112.2



#62

4-Bromofluorobenzene

Concen: 50.108 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

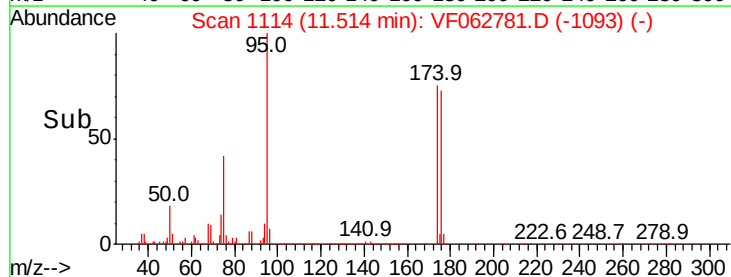
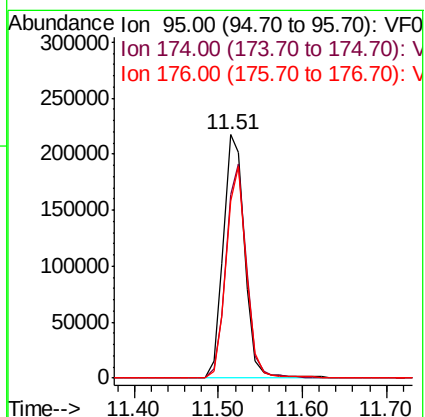
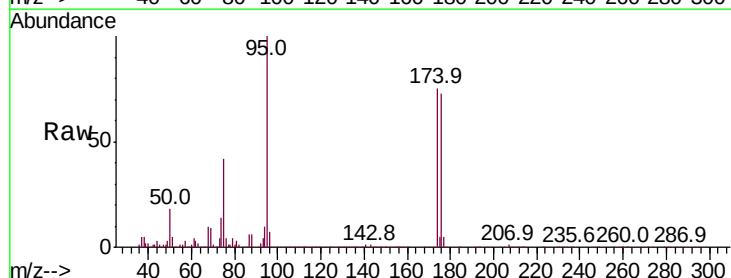
Tgt Ion: 95 Resp: 384337

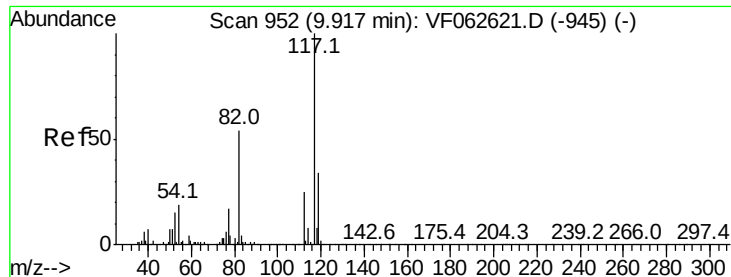
Ion Ratio Lower Upper

95 100

174 75.2 0.0 185.6

176 72.7 0.0 182.4

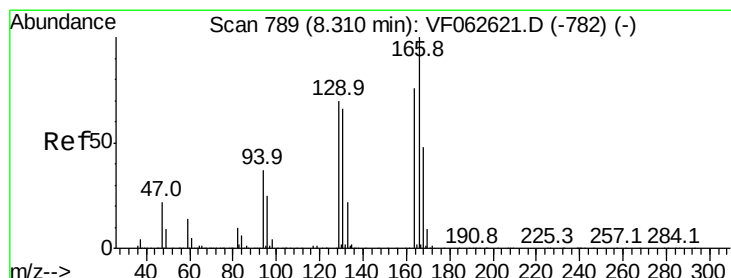
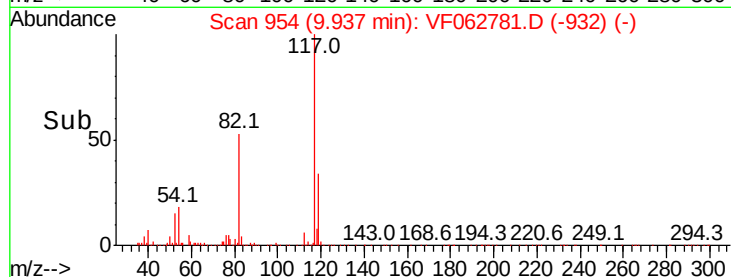
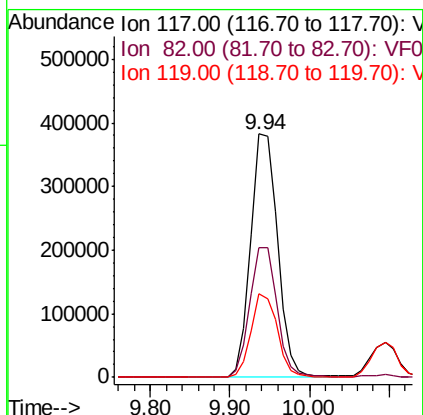
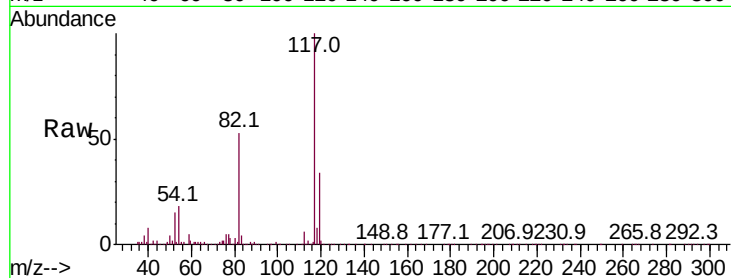




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

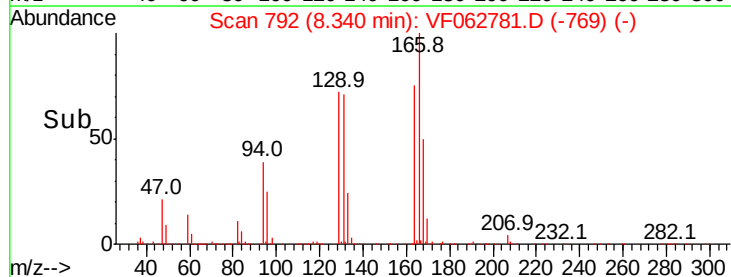
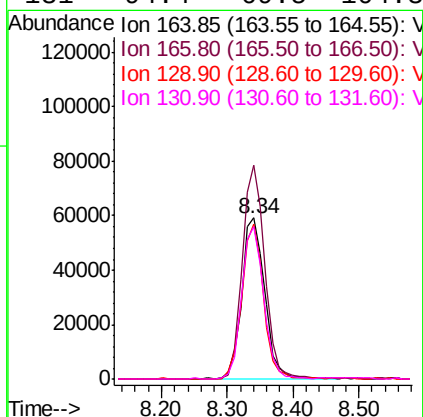
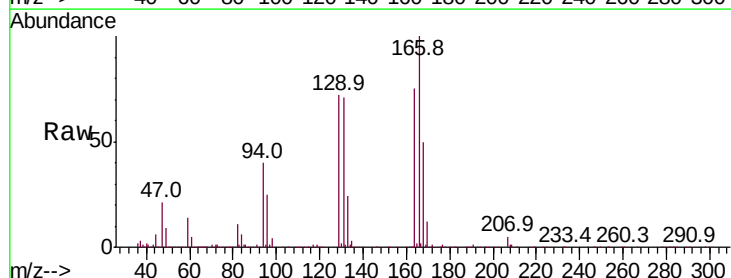
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

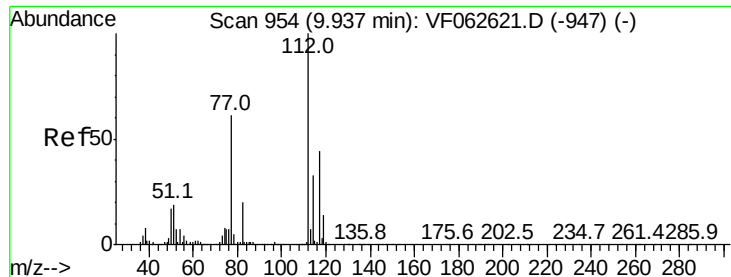
Tot Ion:117 Resp: 891263
Ion Ratio Lower Upper
117 100
82 53.4 43.3 64.9
119 34.2 27.4 41.0



#64
Tetrachloroethene
Concen: 20.708 ug/l
RT: 8.34 min Scan# 792
Delta R.T. 0.03 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion:164 Resp: 146219
Ion Ratio Lower Upper
164 100
166 132.6 105.5 158.3
129 96.1 73.8 110.6
131 94.4 69.5 104.3





#65

Chlorobenzene

Concen: 22.630 ug/l

RT: 9.97 min Scan# 957

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

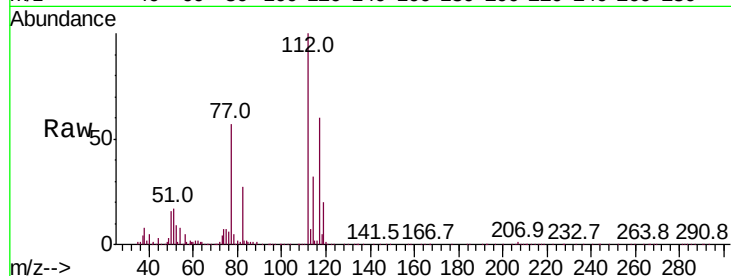
VF0529SBS03

Tot Ion:112 Resp: 396150

Ion Ratio Lower Upper

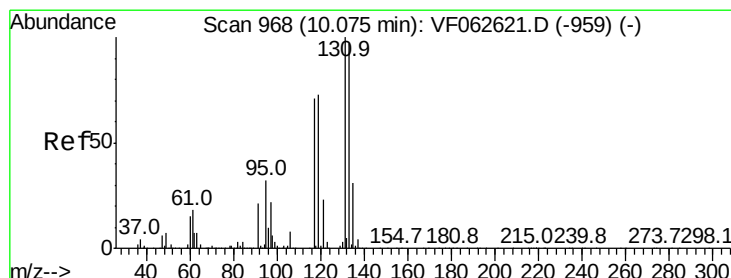
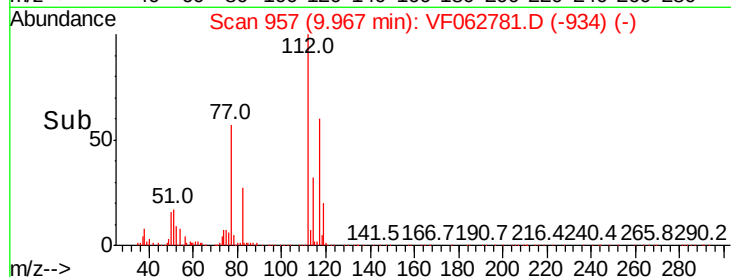
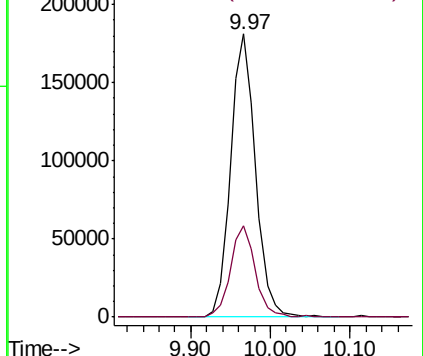
112 100

114 32.5 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.499 ug/l

RT: 10.09 min Scan# 970

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

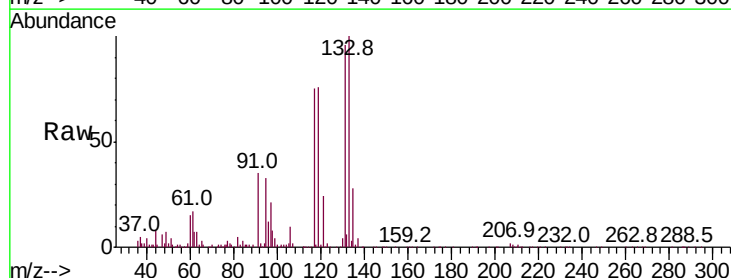
Tgt Ion:131 Resp: 158113

Ion Ratio Lower Upper

131 100

133 103.7 48.5 145.5

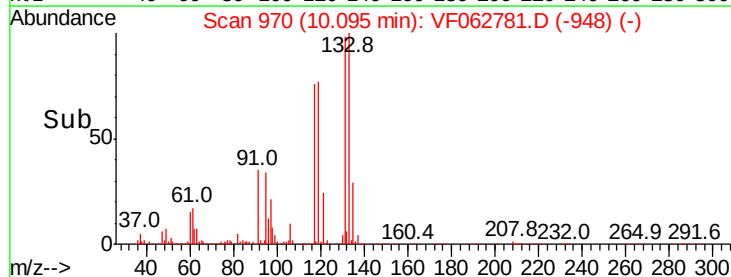
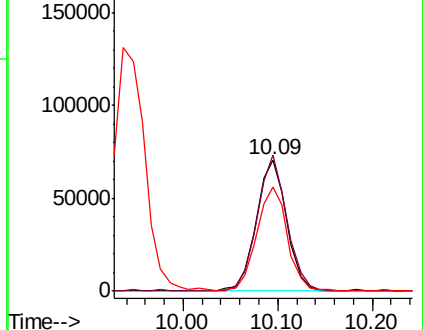
119 79.0 36.8 110.4

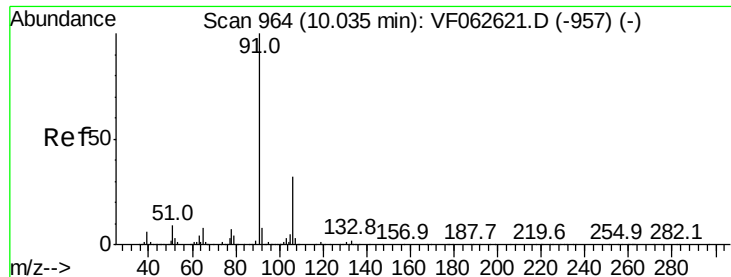


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 22.328 ug/l

RT: 10.07 min Scan# 967

Delta R.T. 0.03 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

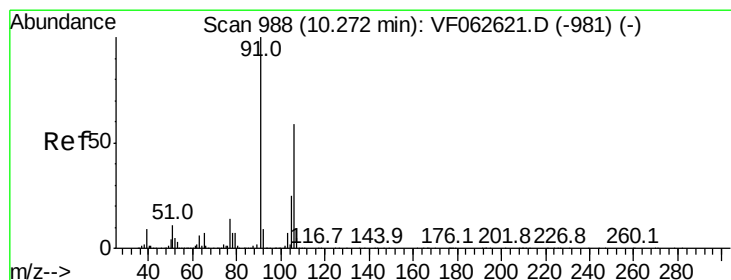
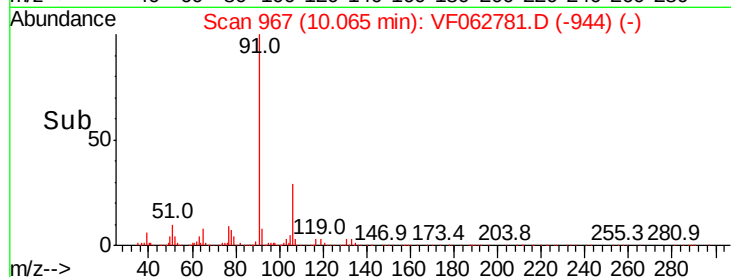
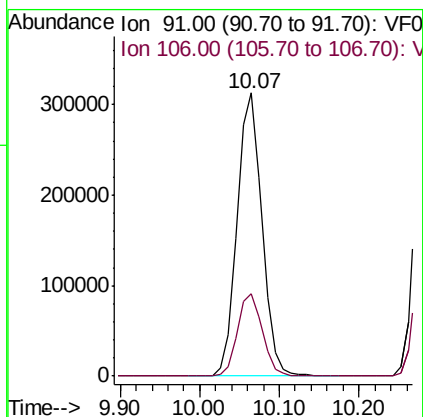
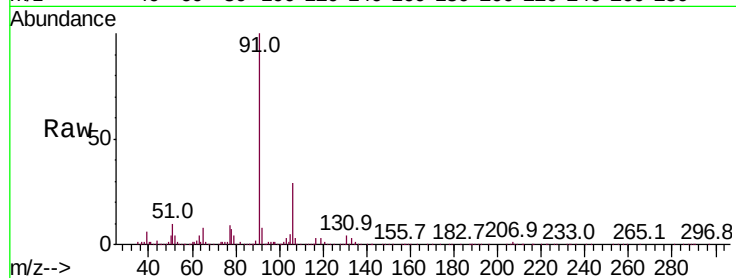
VF0529SBS03

Tot Ion: 91 Resp: 679012

Ion Ratio Lower Upper

91 100

106 28.9 25.8 38.8



#68

m/p-Xylenes

Concen: 45.567 ug/l

RT: 10.29 min Scan# 990

Delta R.T. 0.02 min

Lab File: VF062781.D

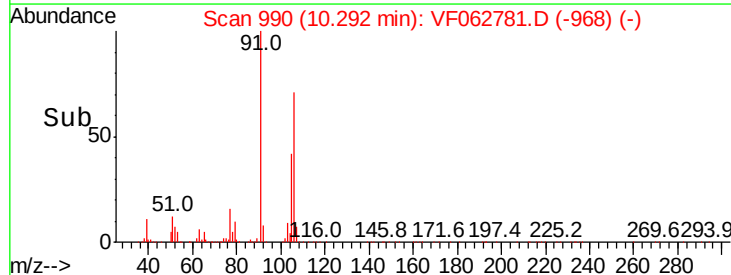
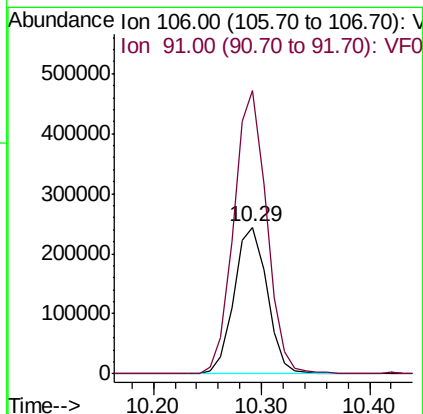
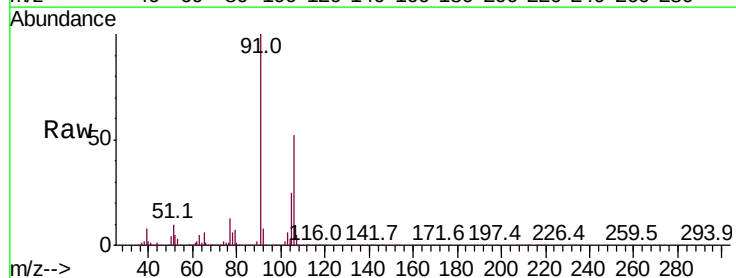
Acq: 29 May 2019 14:41

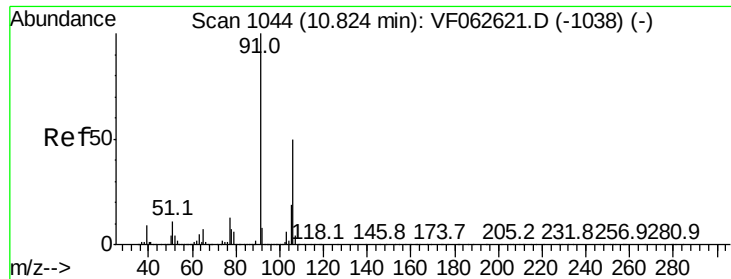
Tgt Ion: 106 Resp: 520810

Ion Ratio Lower Upper

106 100

91 192.5 136.9 205.3

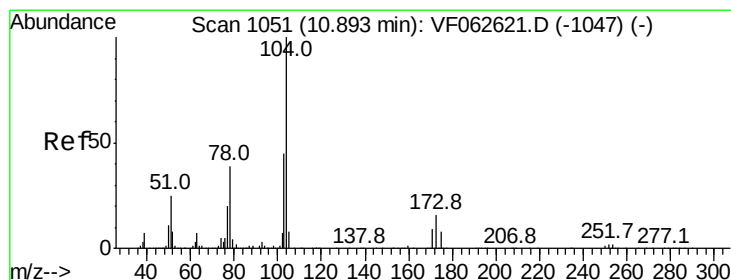
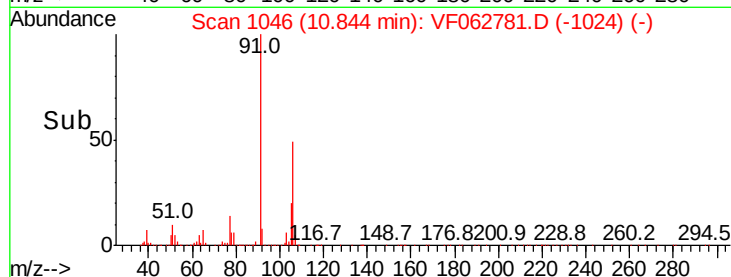
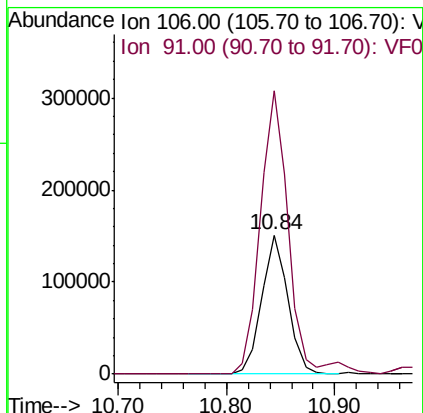
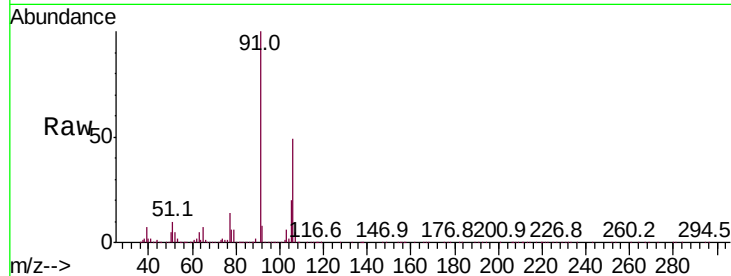




#69
o-Xylene
Concen: 21.846 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

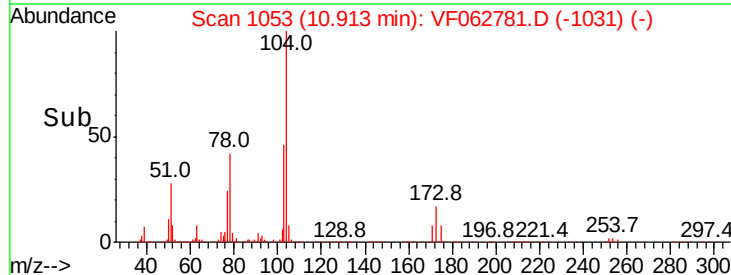
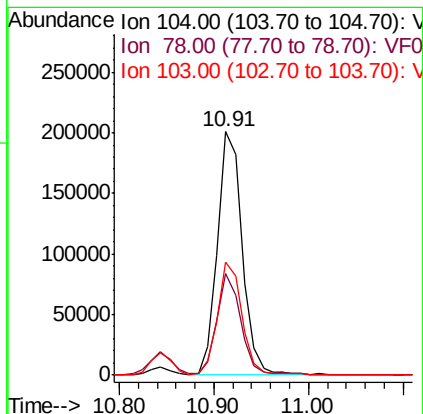
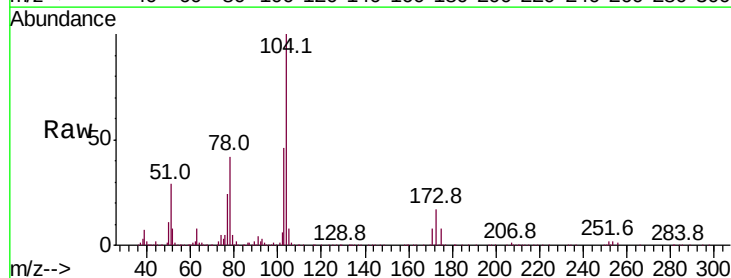
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

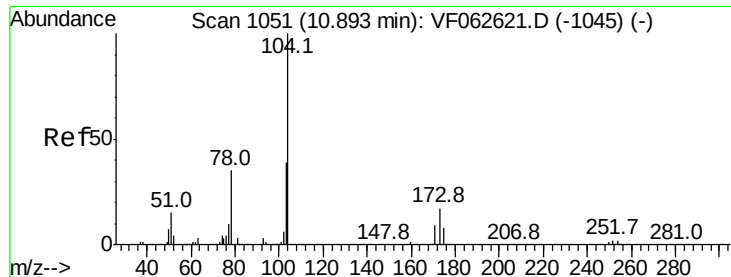
Tot Ion:106 Resp: 257180
Ion Ratio Lower Upper
106 100
91 203.9 100.2 300.5



#70
Styrene
Concen: 20.314 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion:104 Resp: 363493
Ion Ratio Lower Upper
104 100
78 41.8 31.9 47.9
103 46.3 36.1 54.1





#71

Bromoform

Concen: 22.209 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

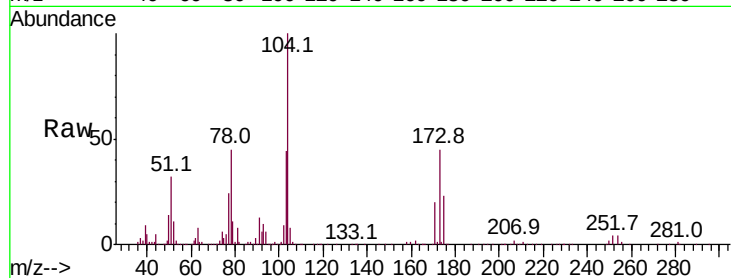
Tot Ion:173 Resp: 78167

Ion Ratio Lower Upper

173 100

175 51.5 25.3 75.9

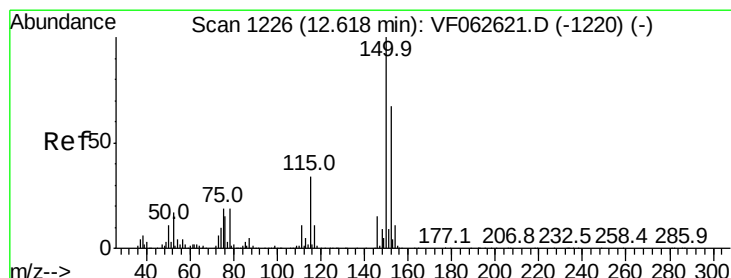
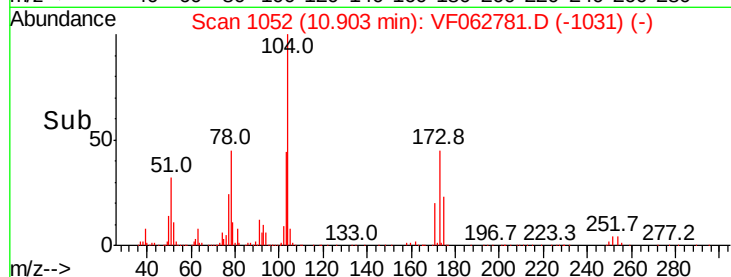
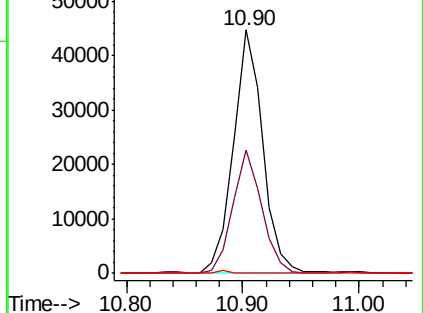
254 0.0 0.2 0.2#



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: VF062781.D

Acq: 29 May 2019 14:41

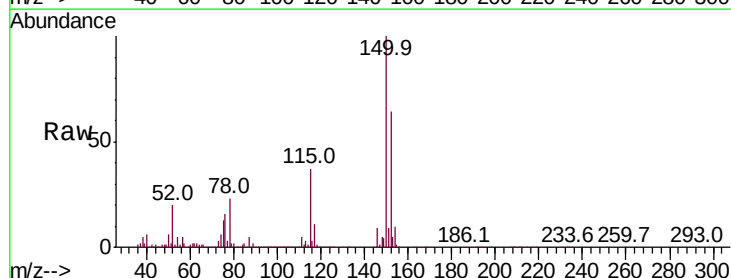
Tgt Ion:152 Resp: 427274

Ion Ratio Lower Upper

152 100

115 57.5 25.2 75.6

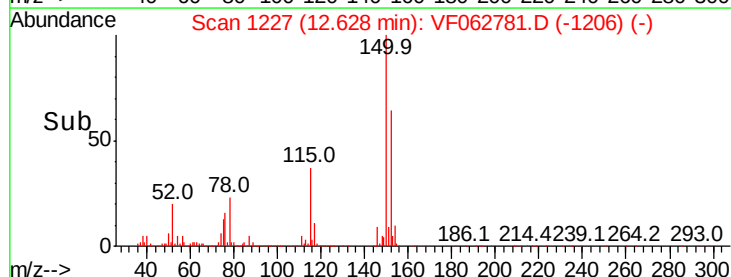
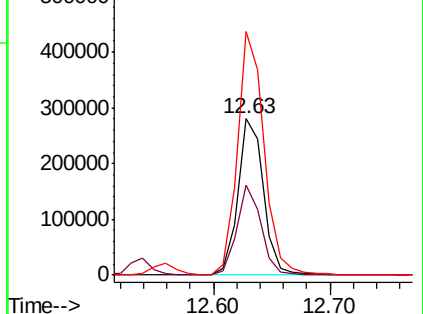
150 155.9 0.0 306.2

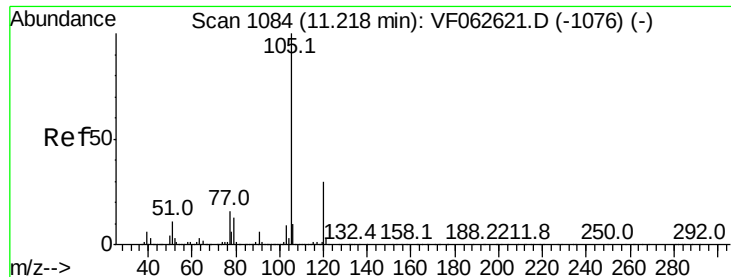


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

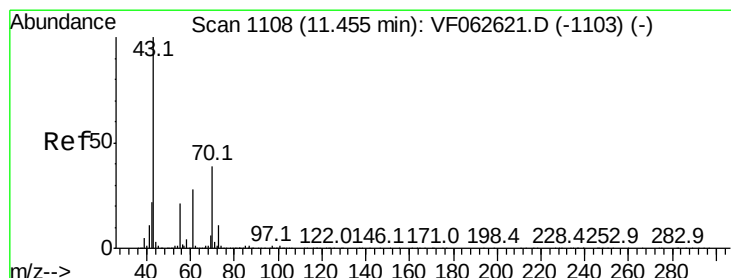
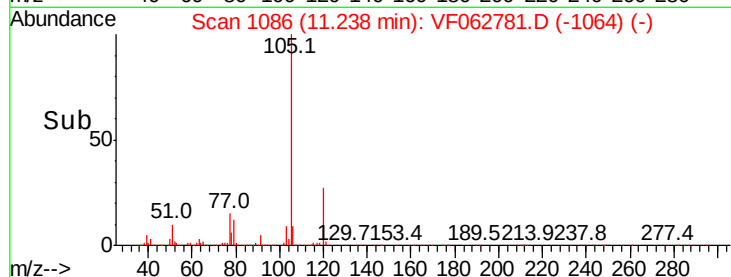
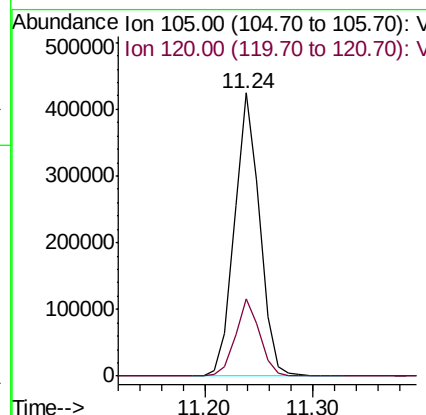
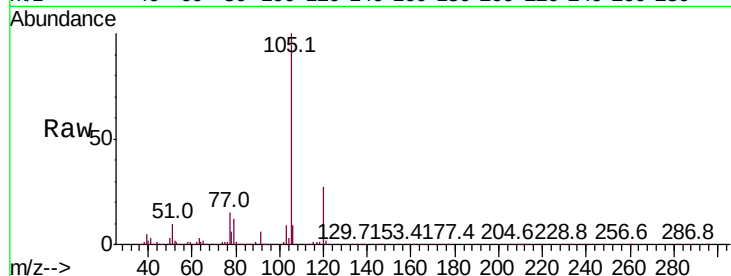




#73
Isopropylbenzene
Concen: 22.355 ug/l
RT: 11.24 min Scan# 1086
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

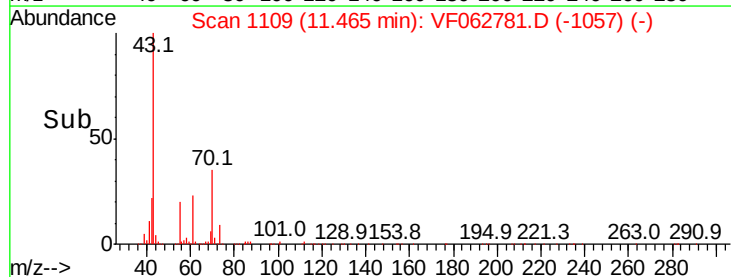
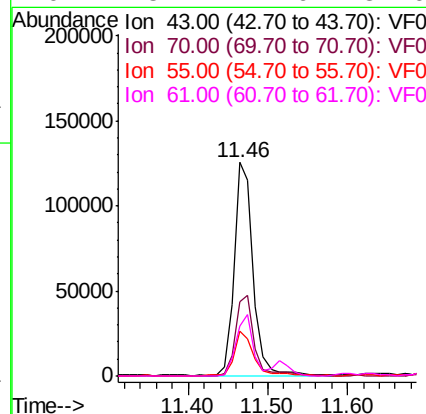
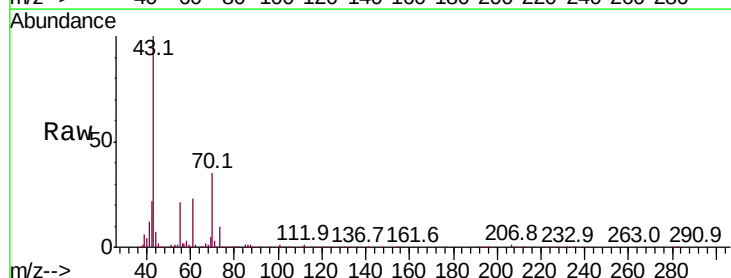
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

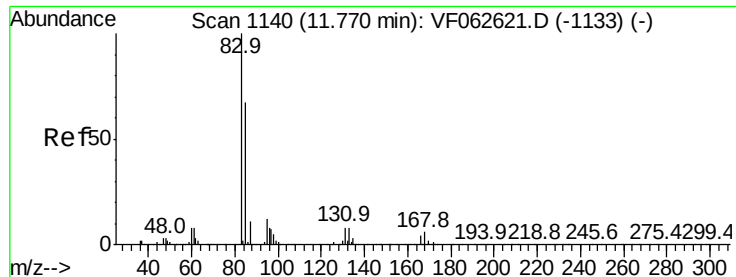
Tot Ion:105 Resp: 684583
Ion Ratio Lower Upper
105 100
120 27.2 14.8 44.4



#74
N-ethyl acetate
Concen: 23.926 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 43 Resp: 208353
Ion Ratio Lower Upper
43 100
70 34.7 30.9 46.3
55 20.9 17.0 25.4
61 23.2 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.042 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

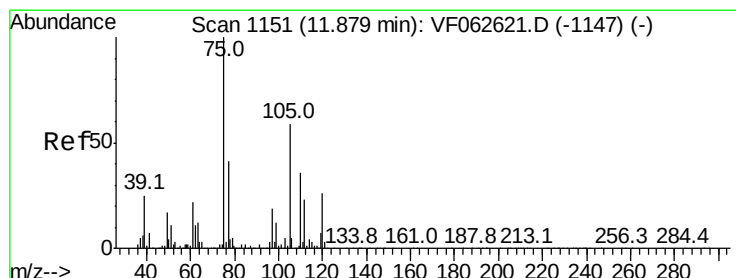
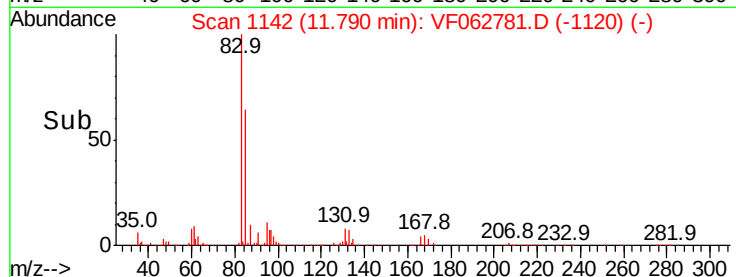
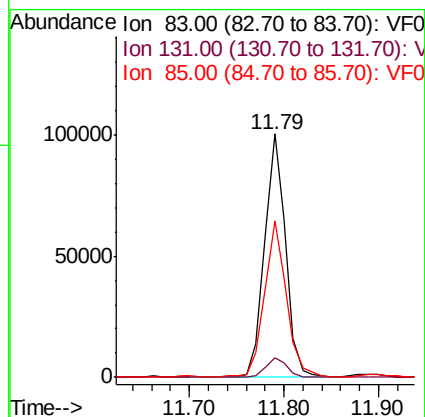
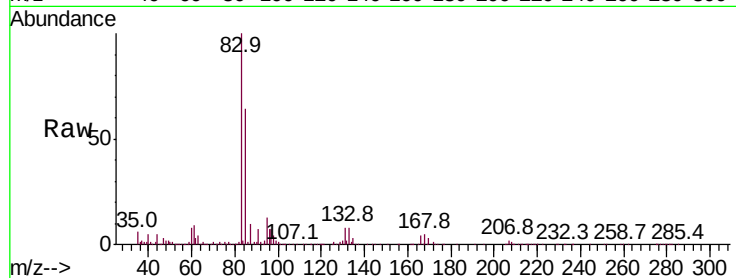
Tot Ion: 83 Resp: 156718

Ion Ratio Lower Upper

83 100

131 7.9 4.0 12.0

85 64.3 33.5 100.5



#76

1,2,3-Trichloropropane

Concen: 24.377 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.01 min

Lab File: VF062781.D

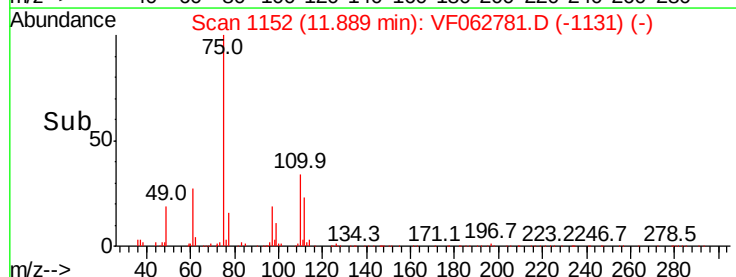
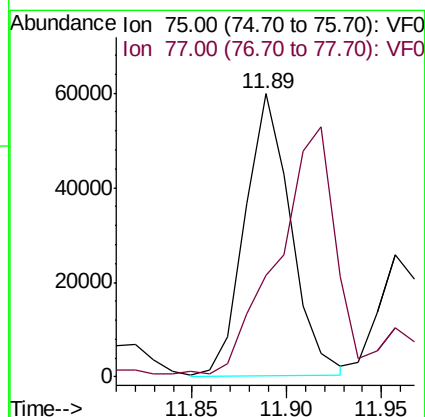
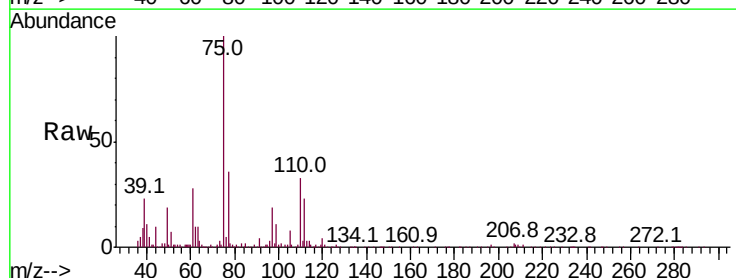
Acq: 29 May 2019 14:41

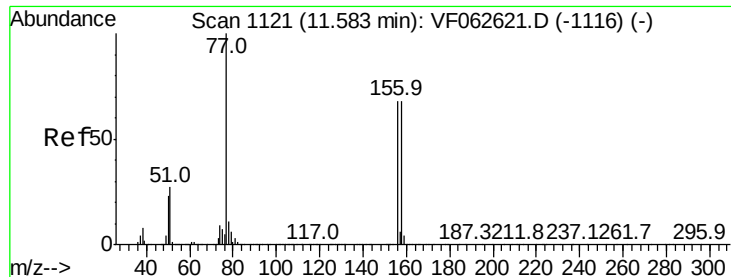
Tgt Ion: 75 Resp: 100242

Ion Ratio Lower Upper

75 100

77 35.9 20.6 61.8

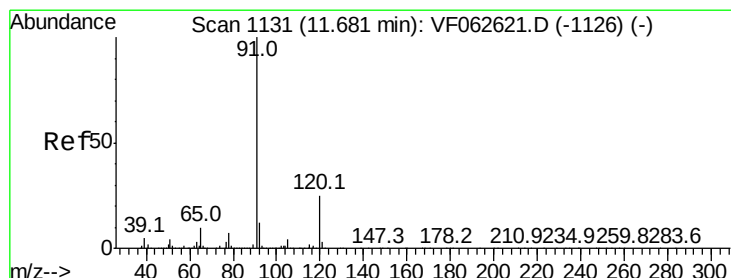
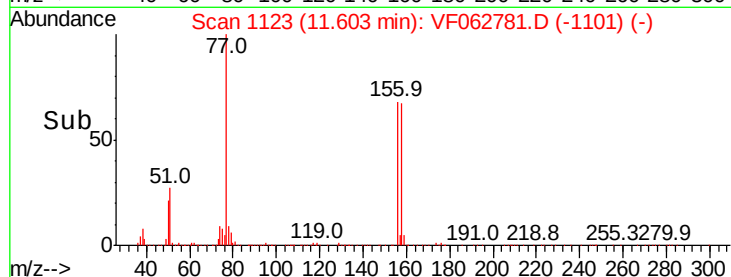
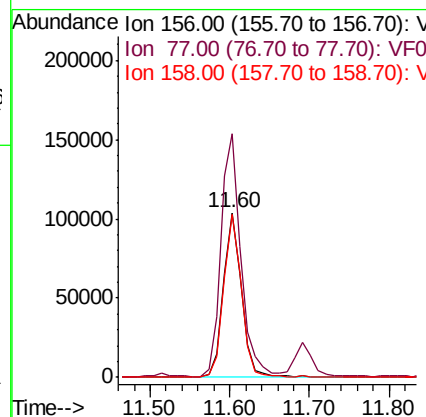
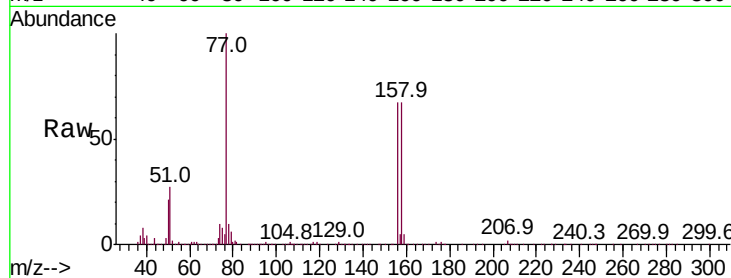




#77
Bromobenzene
Concen: 22.051 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

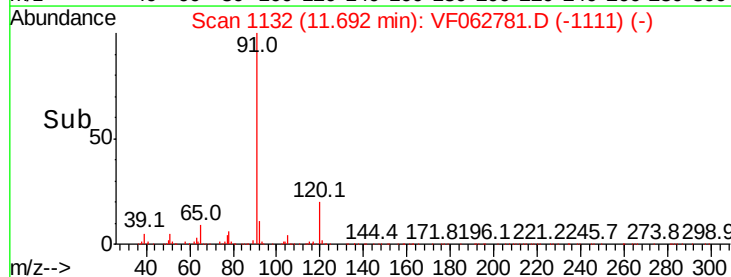
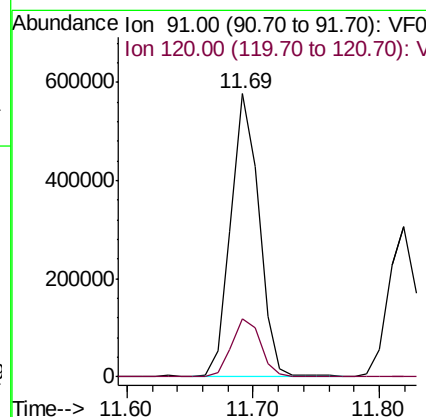
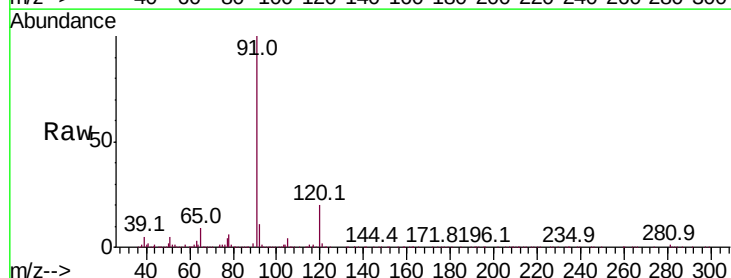
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

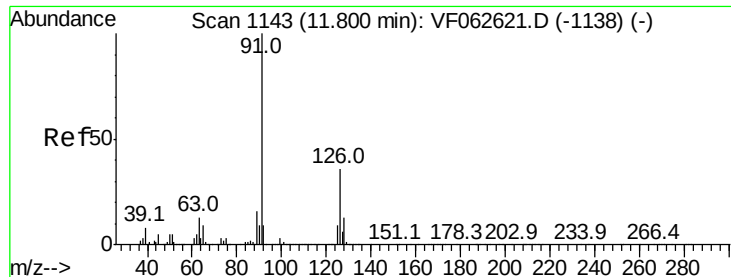
Tot Ion:156 Resp: 167854
Ion Ratio Lower Upper
156 100
77 148.3 73.6 220.8
158 99.6 49.6 148.8



#78
n-propylbenzene
Concen: 24.634 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion: 91 Resp: 892796
Ion Ratio Lower Upper
91 100
120 20.3 12.7 38.1





#79

2-Chlorotoluene

Concen: 23.326 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

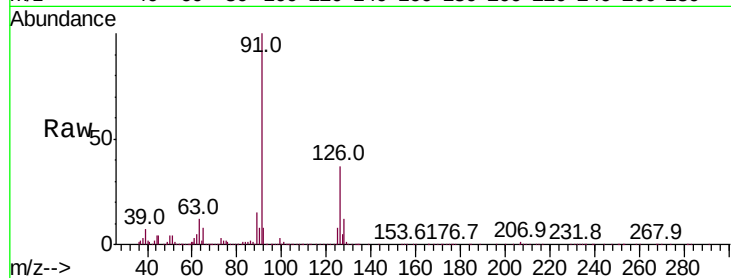
VF0529SBS03

Tot Ion: 91 Resp: 476427

Ion Ratio Lower Upper

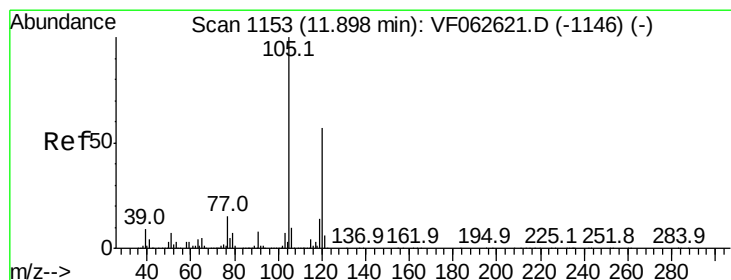
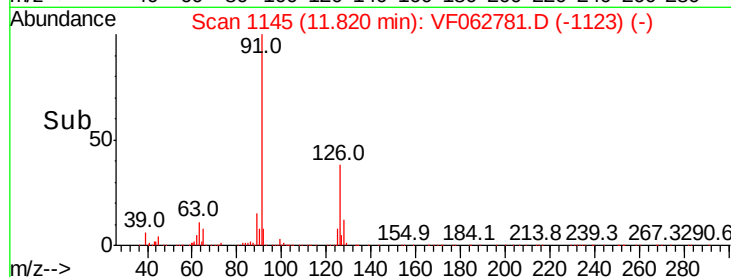
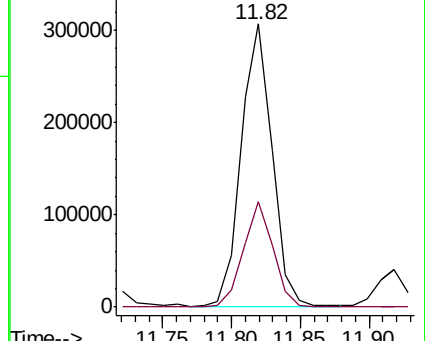
91 100

126 37.5 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 24.618 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.02 min

Lab File: VF062781.D

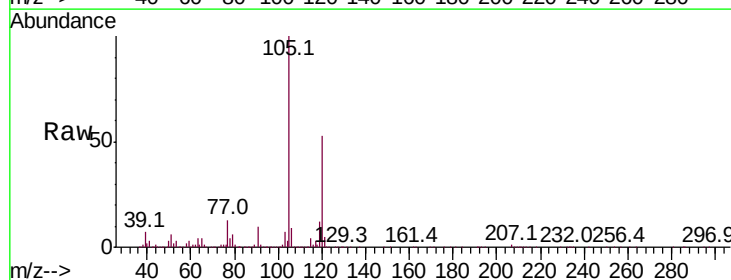
Acq: 29 May 2019 14:41

Tgt Ion: 105 Resp: 604497

Ion Ratio Lower Upper

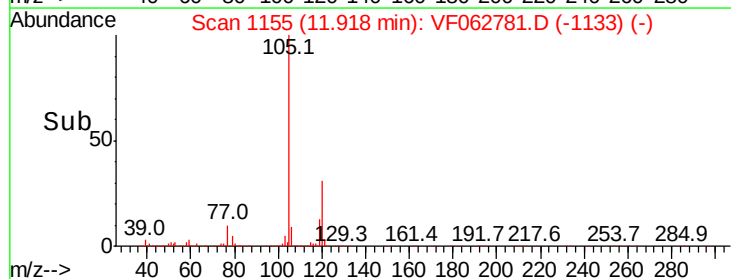
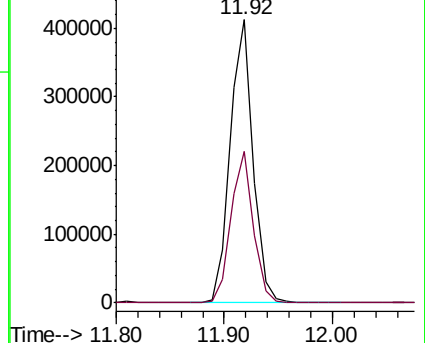
105 100

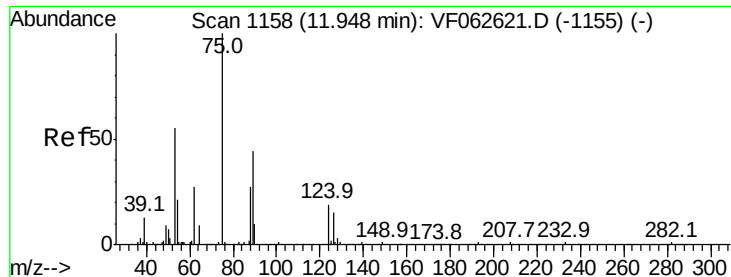
120 53.4 28.7 86.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 29.796 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

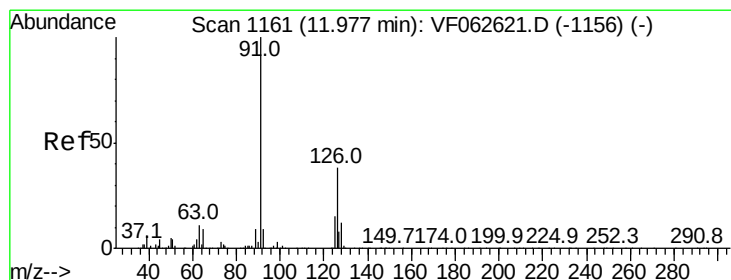
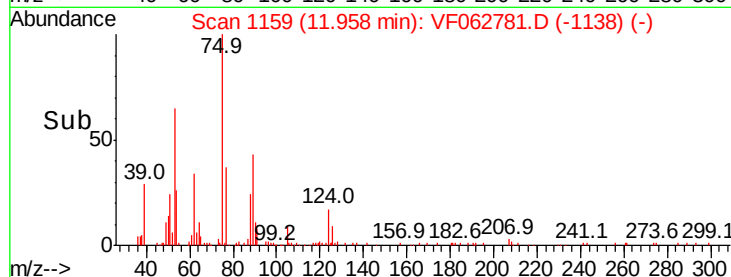
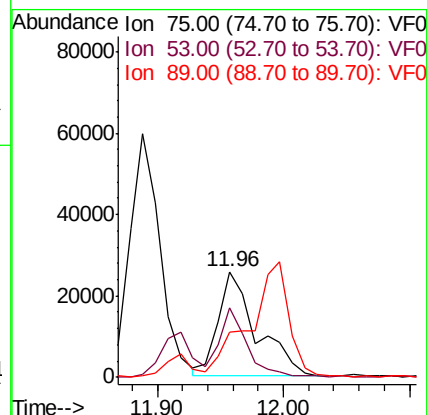
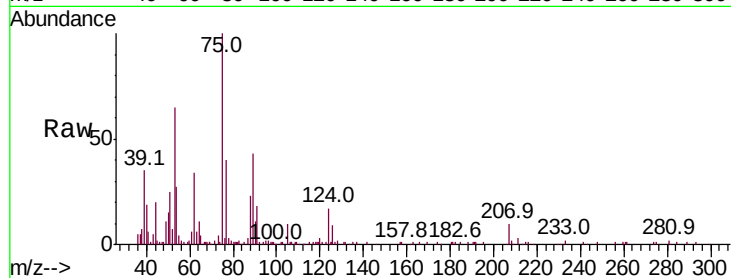
Tot Ion: 75 Resp: 54462

Ion Ratio Lower Upper

75 100

53 65.5 46.9 70.3

89 42.7 36.4 54.6



#82

4-Chlorotoluene

Concen: 23.279 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VF062781.D

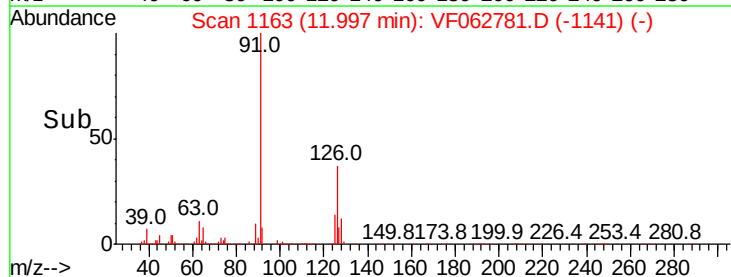
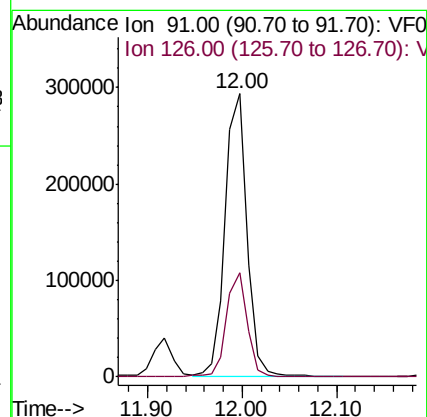
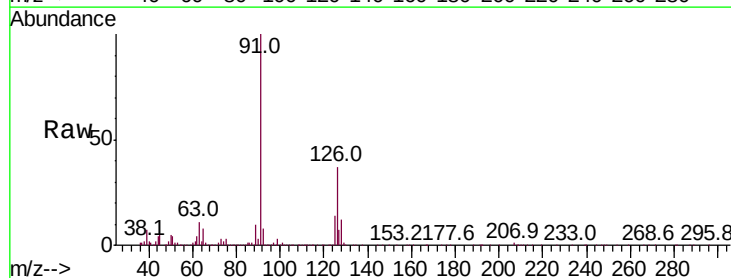
Acq: 29 May 2019 14:41

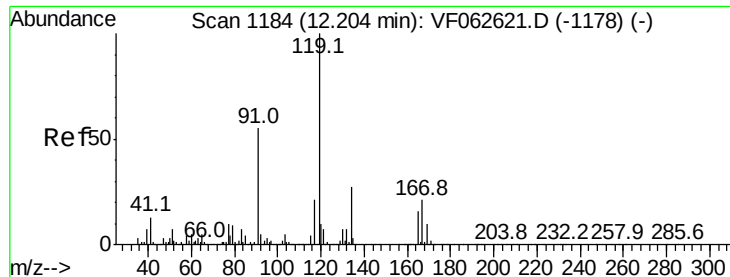
Tgt Ion: 91 Resp: 468864

Ion Ratio Lower Upper

91 100

126 37.0 19.1 57.1





#83

tert-Butylbenzene

Concen: 22.423 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

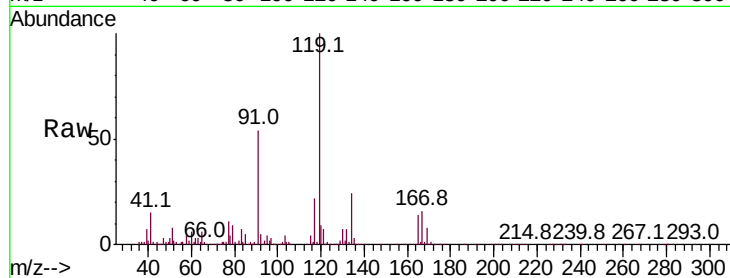
Tot Ion:119 Resp: 558617

Ion Ratio Lower Upper

119 100

91 54.0 27.3 81.9

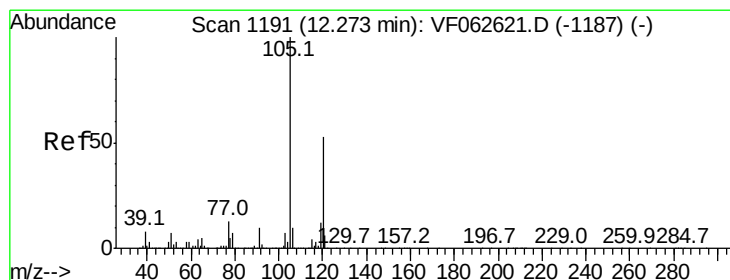
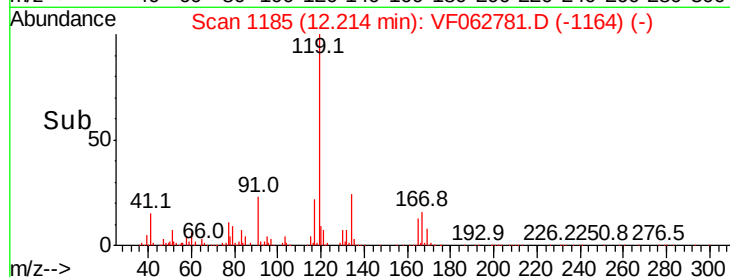
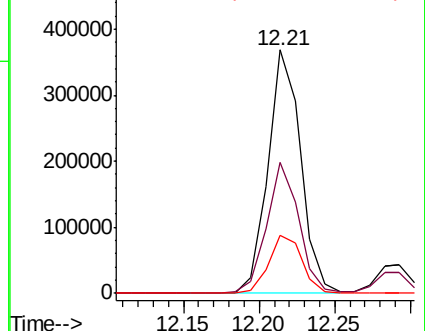
134 23.8 13.6 40.7



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: 22.360 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.02 min

Lab File: VF062781.D

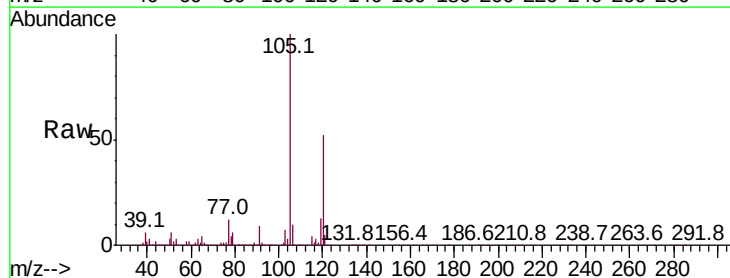
Acq: 29 May 2019 14:41

Tgt Ion:105 Resp: 531423

Ion Ratio Lower Upper

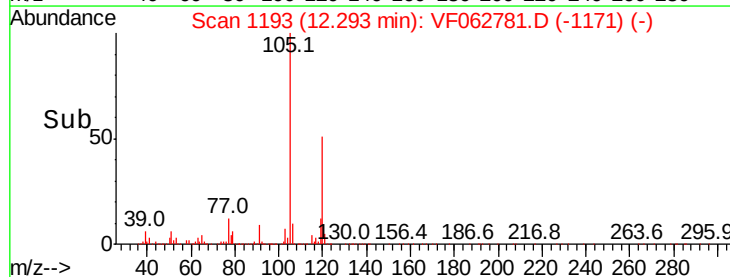
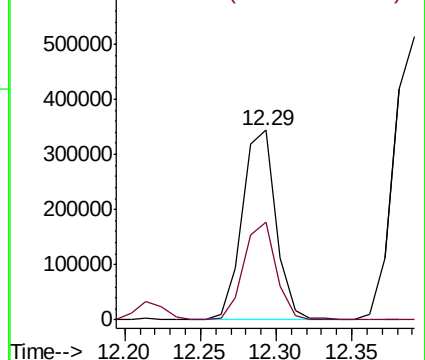
105 100

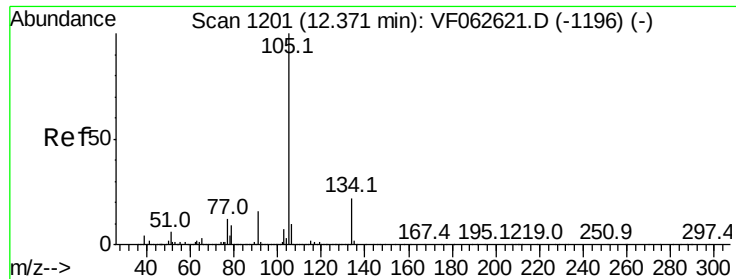
120 51.5 26.7 80.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.877 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

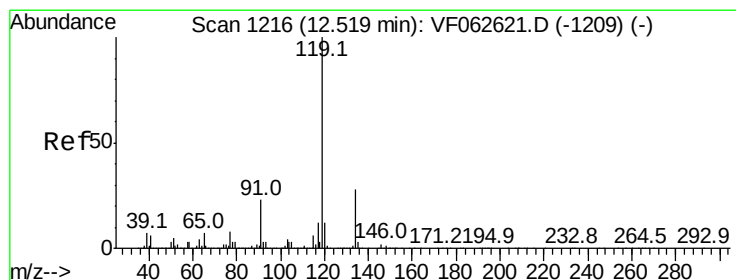
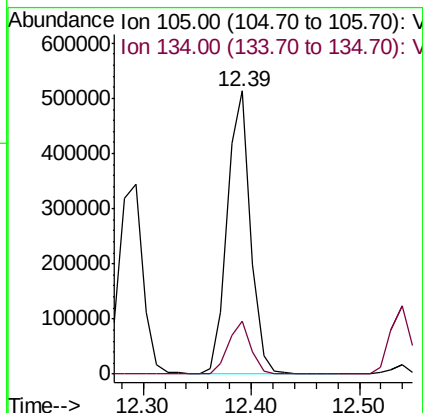
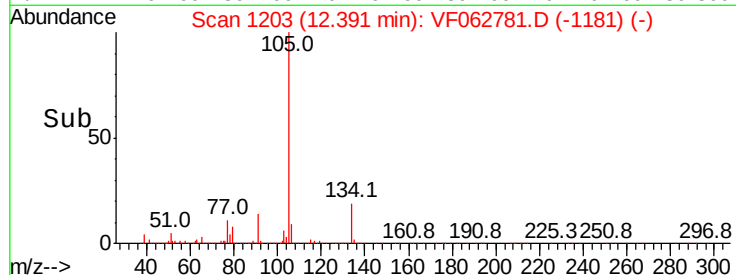
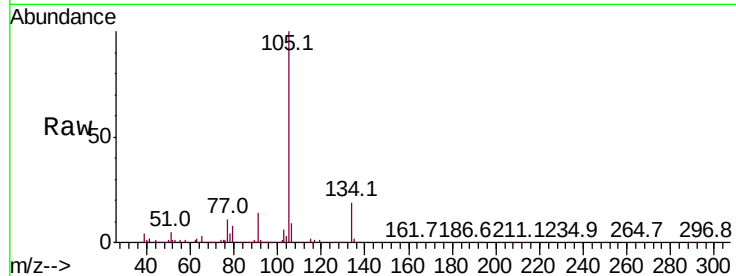
VF0529SBS03

Tot Ion:105 Resp: 764835

Ion Ratio Lower Upper

105 100

134 18.7 10.8 32.4



#86

p-Isopropyltoluene

Concen: 22.549 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

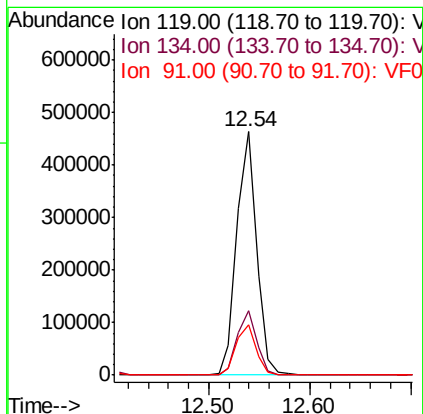
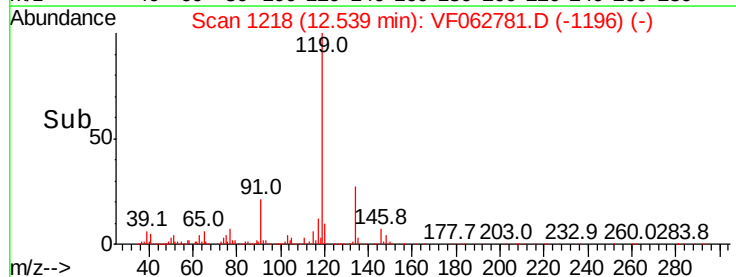
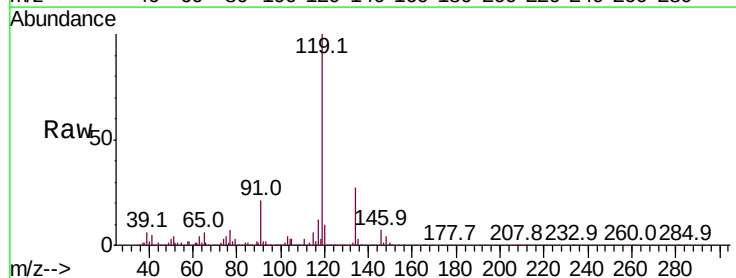
Tgt Ion:119 Resp: 635326

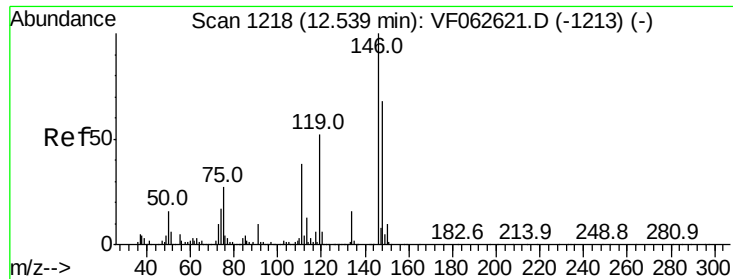
Ion Ratio Lower Upper

119 100

134 26.6 14.1 42.3

91 20.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 22.160 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.02 min

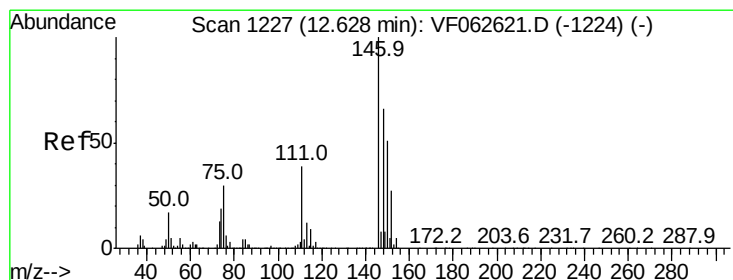
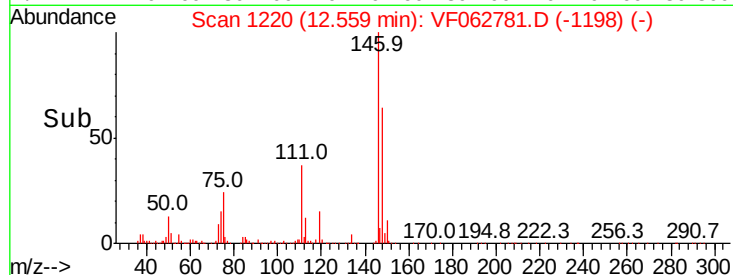
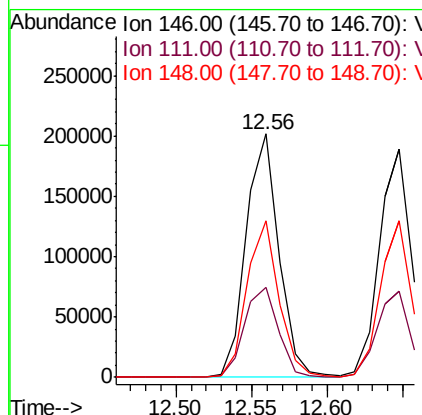
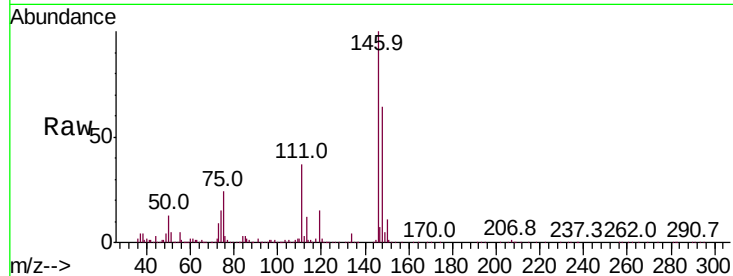
Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion:146 Resp: 305183

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	64.4	34.0	101.8



#88

1,4-Dichlorobenzene

Concen: 22.246 ug/l

RT: 12.65 min Scan# 1229

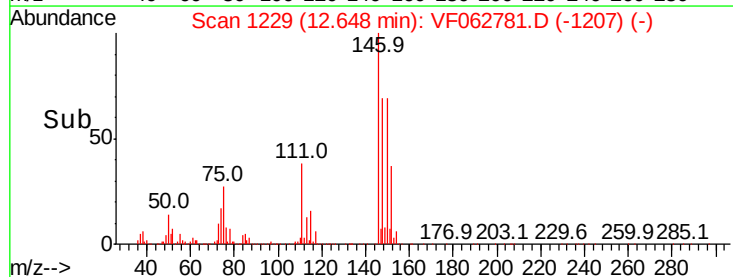
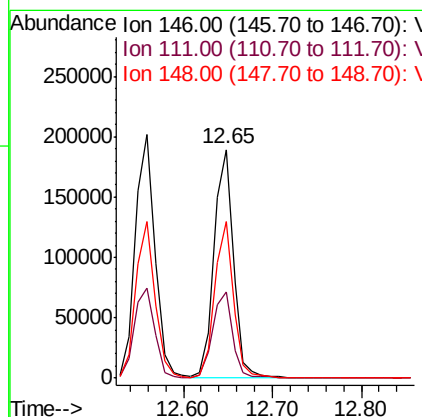
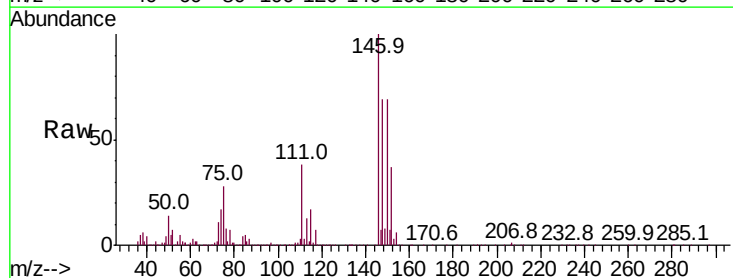
Delta R.T. 0.02 min

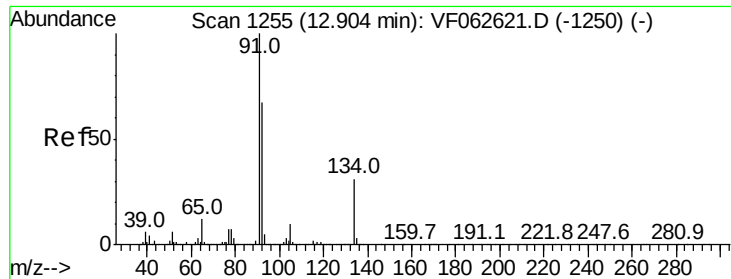
Lab File: VF062781.D

Acq: 29 May 2019 14:41

Tgt Ion:146 Resp: 287501

Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.4	58.2
148	68.5	33.2	99.6

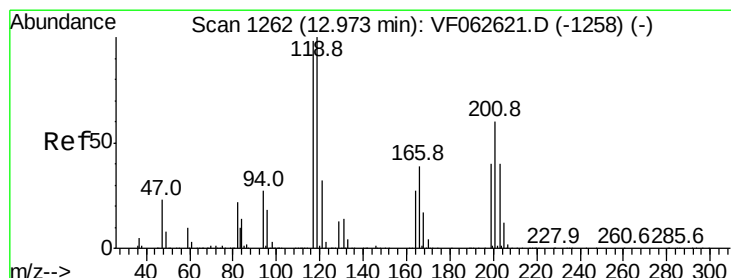
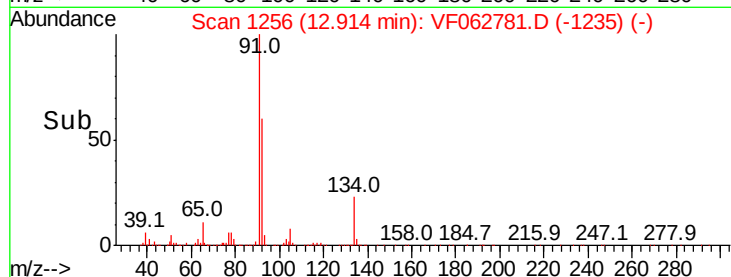
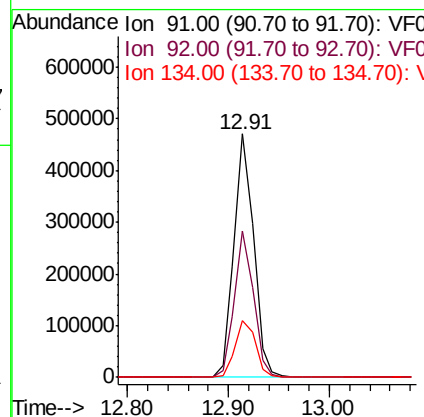
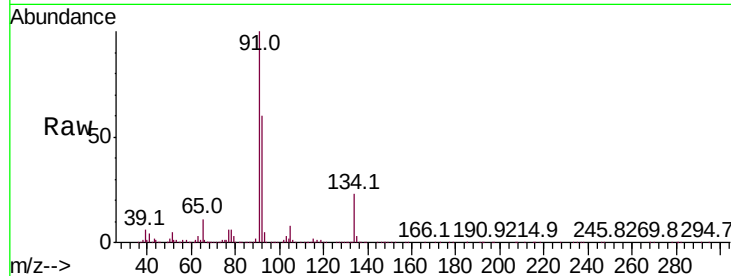




#89
n-Butylbenzene
Concen: 23.004 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

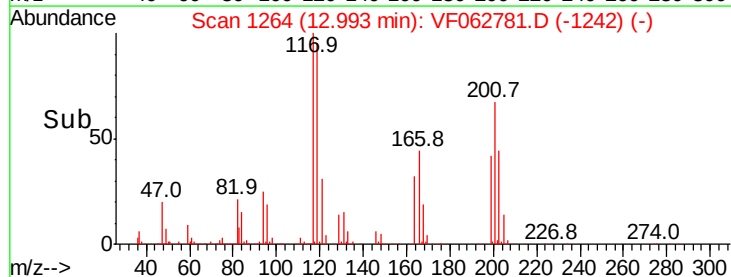
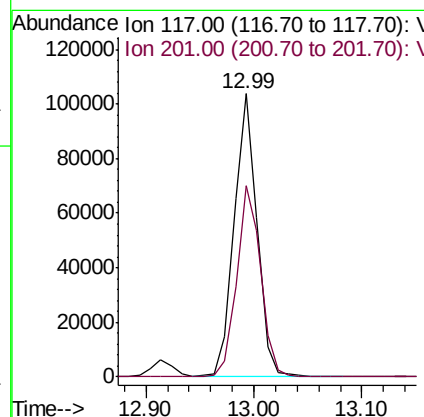
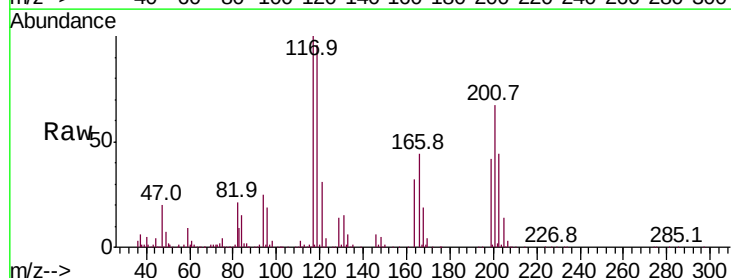
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

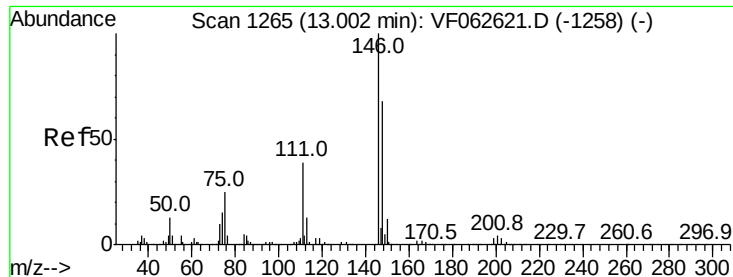
Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	33.3	99.8
134	23.1	15.4	46.4



#90
Hexachloroethane
Concen: 22.729 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 21.898 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

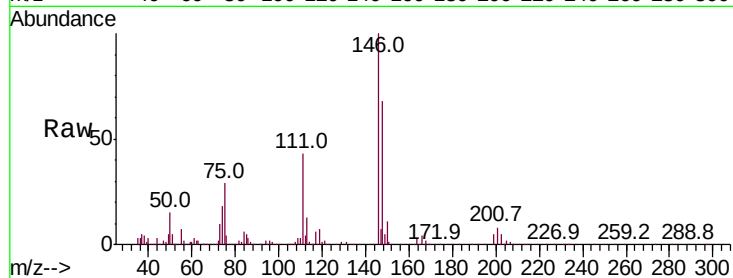
Tot Ion:146 Resp: 268827

Ion Ratio Lower Upper

146 100

111 43.1 19.8 59.3

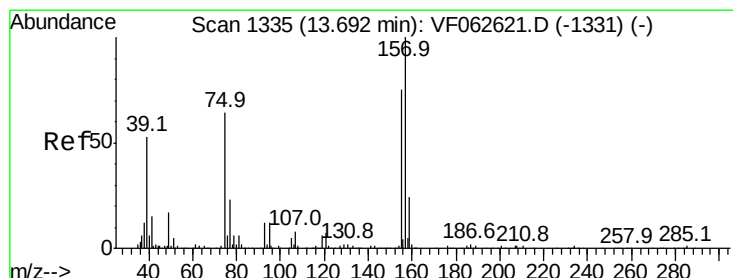
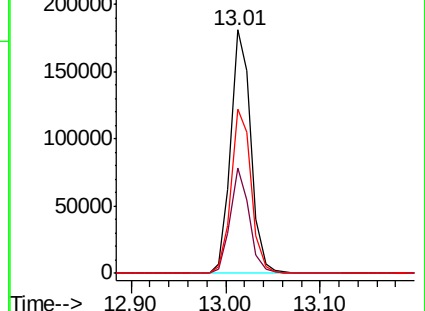
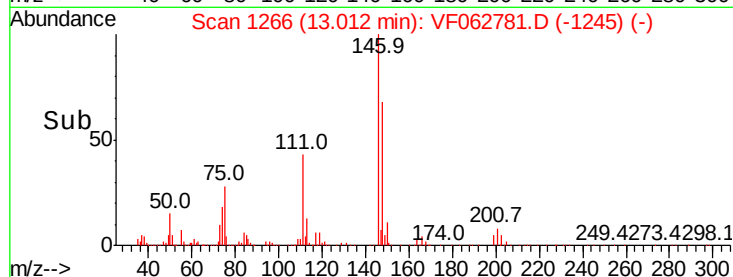
148 67.6 34.1 102.2



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: 22.917 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.02 min

Lab File: VF062781.D

Acq: 29 May 2019 14:41

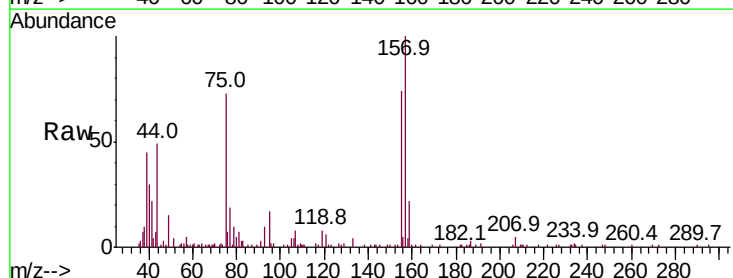
Tgt Ion: 75 Resp: 17110

Ion Ratio Lower Upper

75 100

155 101.2 58.1 174.3

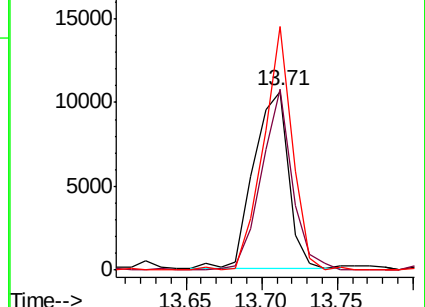
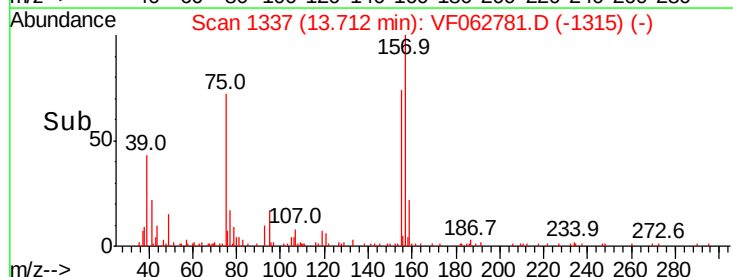
157 136.5 77.8 233.4

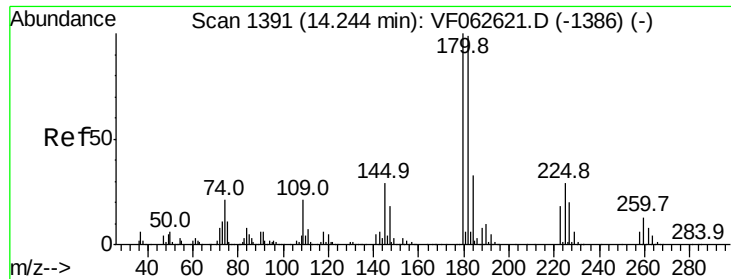


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

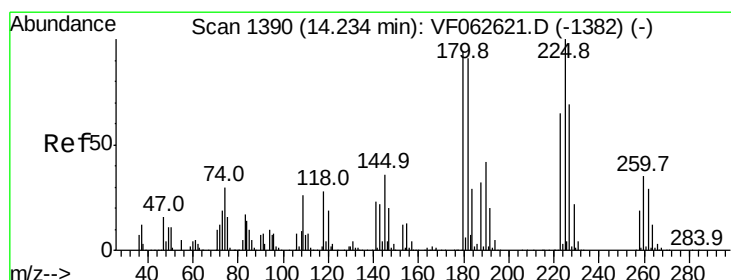
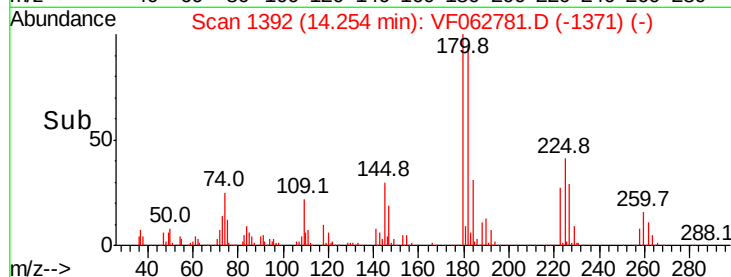
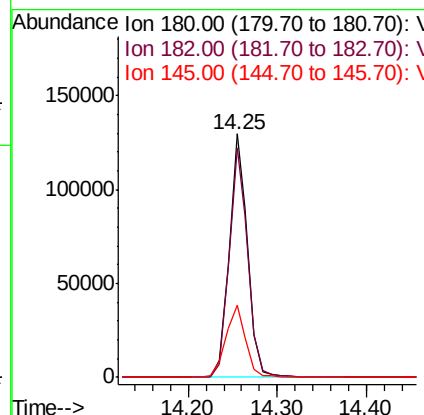
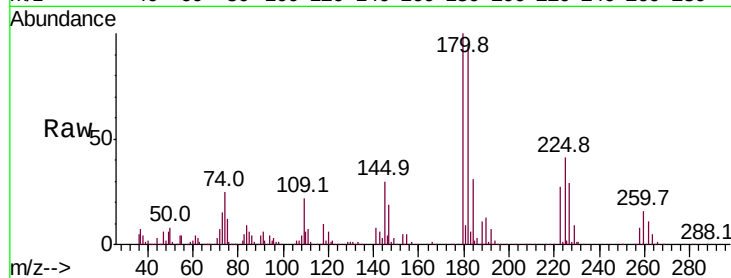




#93
 1,2,4-Trichlorobenzene
 Concen: 21.451 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

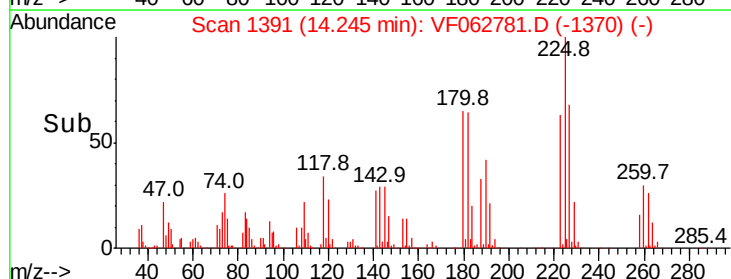
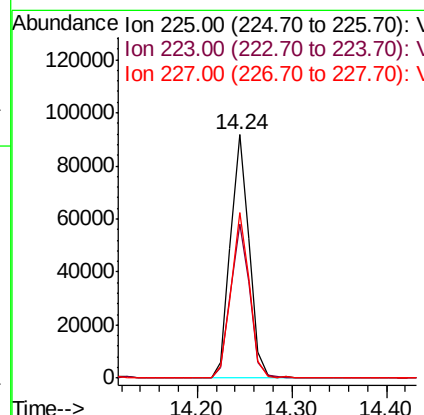
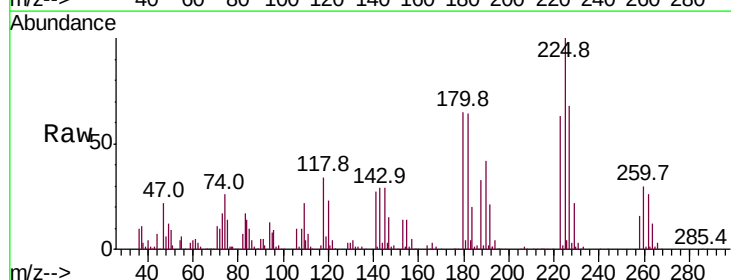
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

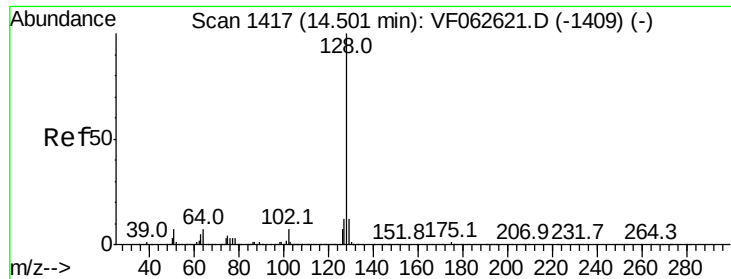
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	49.7	149.1
145	29.8	14.6	44.0



#94
 Hexachlorobutadiene
 Concen: 20.451 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062781.D
 Acq: 29 May 2019 14:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.5	97.4
227	67.8	34.5	103.5

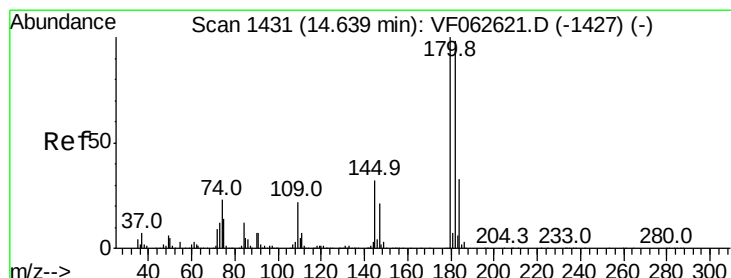
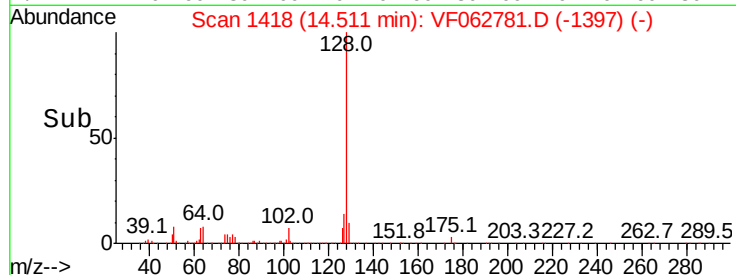
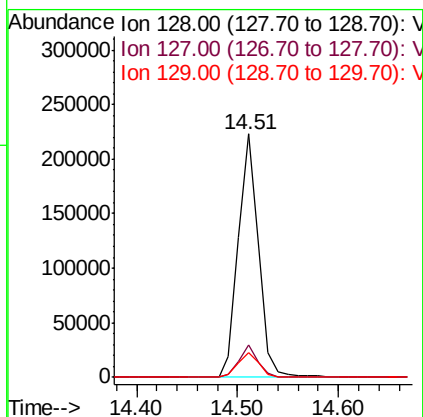
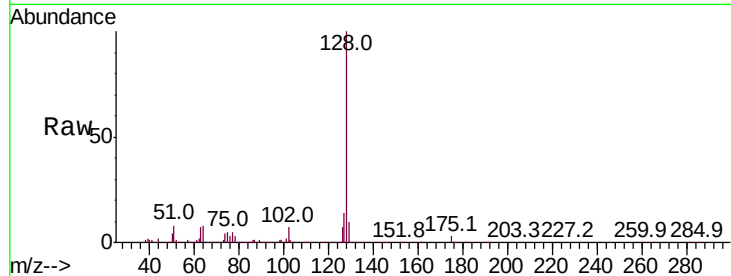




#95
Naphthalene
Concen: 19.462 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. 0.01 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion:128 Resp: 310678
Ion Ratio Lower Upper
128 100
127 13.5 9.7 14.5
129 10.0 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 20.966 ug/l
RT: 14.66 min Scan# 1433
Delta R.T. 0.02 min
Lab File: VF062781.D
Acq: 29 May 2019 14:41

Tgt Ion:180 Resp: 174510
Ion Ratio Lower Upper
180 100
182 92.2 48.9 146.7
145 25.5 16.1 48.2

