

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062782.D
 Acq On : 29 May 2019 15:10
 Operator : FY/SY
 Sample : VF0529SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBSD03

Quant Time: May 30 08:39:51 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	5.08	168	665381	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.80	114	1129547	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	858402	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	410769	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.06	65	223443	47.52	ug/l	0.03
Spiked Amount						
			Recovery	=	95.04%	
35) Dibromofluoromethane	4.33	113	435971	50.44	ug/l	0.02
Spiked Amount						
			Recovery	=	100.88%	
50) Toluene-d8	7.73	98	984125	47.69	ug/l	0.02
Spiked Amount						
			Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.51	95	360990	46.12	ug/l	0.00
Spiked Amount						
			Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	176175	19.456	ug/l	97
3) Chloromethane	1.16	50	155233	18.619	ug/l	91
4) Vinyl Chloride	1.20	62	149045	19.420	ug/l	97
5) Bromomethane	1.41	94	81211	19.343	ug/l	99
6) Chloroethane	1.46	64	57696	20.470	ug/l #	79
7) Trichlorofluoromethane	1.56	101	222619	21.603	ug/l	99
8) Diethyl Ether	1.72	74	45899	22.483	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.94	101	144379	22.003	ug/l	89
10) Methyl Iodide	2.02	142	239545	18.584	ug/l	96
11) Tert butyl alcohol	2.72	59	32390	104.341	ug/l #	85
12) 1,1-Dichloroethene	1.90	96	136753	22.879	ug/l	98
13) Acrolein	2.12	56	25019	77.210	ug/l	97
14) Allyl chloride	2.29	41	14952	2.764	ug/l	94
15) Acrylonitrile	3.11	53	168645	192.594	ug/l	96
16) Acetone	2.36	43	113647	93.167	ug/l	99
17) Carbon Disulfide	1.94	76	354315	19.999	ug/l	94
18) Methyl Acetate	2.57	43	51681	26.961	ug/l	93
19) Methyl tert-butyl Ether	2.57	73	242519	22.696	ug/l	97
20) Methylene Chloride	2.37	84	94340	15.429	ug/l	96
21) trans-1,2-Dichloroethene	2.44	96	101539	17.380	ug/l	92
22) Diisopropyl ether	2.95	45	276989	20.760	ug/l	93
23) Vinyl Acetate	3.37	43	1035728	115.074	ug/l	98
24) 1,1-Dichloroethane	3.03	63	219576	22.433	ug/l	98
25) 2-Butanone	4.55	43	290728	111.554	ug/l	99
26) 2,2-Dichloropropane	3.80	77	126106	22.517	ug/l	90
27) cis-1,2-Dichloroethene	3.67	96	232159	24.158	ug/l	96
28) Bromochloromethane	3.93	49	123550	22.506	ug/l	98
29) Tetrahydrofuran	4.30	42	117288	111.213	ug/l	98
30) Chloroform	4.08	83	312176	22.971	ug/l	99
31) Cyclohexane	3.90	56	160172	12.187	ug/l	97
32) 1,1,1-Trichloroethane	4.31	97	198029	21.941	ug/l	98
36) 1,1-Dichloropropene	4.50	75	239602	20.701	ug/l	97
37) Ethyl Acetate	4.34	43	110419	23.365	ug/l #	61
38) Carbon Tetrachloride	4.21	117	165858	19.054	ug/l	97

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 Acq On : 29 May 2019 15:10
 Operator : FY/SY
 Sample : VF0529SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0529SBSD03

Quant Time: May 30 08:39:51 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	5.65	83	312399	22.431	ug/l	94
40) Benzene	4.85	78	742590	23.551	ug/l	99
41) Methacrylonitrile	4.96	41	53426	21.563	ug/l	92
42) 1,2-Dichloroethane	5.15	62	137163	21.814	ug/l	95
43) Isopropyl Acetate	7.14	43	119983	19.597	ug/l #	90
44) Trichloroethene	5.71	130	206933	23.350	ug/l	86
45) 1,2-Dichloropropane	6.43	63	191269	24.030	ug/l	92
46) Dibromomethane	6.29	93	109835	23.876	ug/l	96
47) Bromodichloromethane	6.58	83	221603	23.205	ug/l	93
48) Methyl methacrylate	6.91	41	59991	18.746	ug/l	94
49) 1,4-Dioxane	6.91	88	16406	400.274	ug/l	92
51) 4-Methyl-2-Pentanone	8.42	43	453459	108.354	ug/l	96
52) Toluene	7.80	92	389002	23.524	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	179047	22.917	ug/l	99
54) cis-1,3-Dichloropropene	7.49	75	259769	23.752	ug/l	96
55) 1,1,2-Trichloroethane	8.66	97	116009	23.693	ug/l	97
56) Ethyl methacrylate	8.78	69	119579	20.499	ug/l	99
57) 1,3-Dichloropropane	9.02	76	196006	23.502	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.48	63	209712	110.448	ug/l	99
59) 2-Hexanone	9.65	43	317570	106.395	ug/l	95
60) Dibromochloromethane	8.89	129	146781	23.001	ug/l	97
61) 1,2-Dibromoethane	9.15	107	122525	23.560	ug/l	97
64) Tetrachloroethene	8.33	164	145143	21.343	ug/l	96
65) Chlorobenzene	9.96	112	398686	23.647	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.08	131	162697	24.038	ug/l	95
67) Ethyl Benzene	10.05	91	708211	24.180	ug/l	97
68) m/p-Xylenes	10.28	106	535289	48.626	ug/l	84
69) o-Xylene	10.84	106	262156	23.121	ug/l	91
70) Styrene	10.91	104	400167	23.220	ug/l	99
71) Bromoform	10.90	173	78911	23.279	ug/l #	97
73) Isopropylbenzene	11.23	105	713400	24.232	ug/l	95
74) N-amyl acetate	11.46	43	199716	23.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	151150	25.122	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	100823	25.504	ug/l	94
77) Bromobenzene	11.60	156	169299	23.135	ug/l	97
78) n-propylbenzene	11.69	91	844802	24.247	ug/l	95
79) 2-Chlorotoluene	11.82	91	494306	25.174	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	592577	25.102	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	54304	30.903	ug/l	94
82) 4-Chlorotoluene	11.99	91	505123	26.087	ug/l	99
83) tert-Butylbenzene	12.21	119	568485	23.736	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	532042	23.286	ug/l	99
85) sec-Butylbenzene	12.39	105	778008	24.206	ug/l	96
86) p-Isopropyltoluene	12.53	119	639582	23.612	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	299056	22.588	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	296831	23.891	ug/l	99
89) n-Butylbenzene	12.91	91	658019	24.638	ug/l	92
90) Hexachloroethane	12.99	117	155356	23.908	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	275845	23.373	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	17163	23.912	ug/l	82

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Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

Quant Time: May 30 08:39:51 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

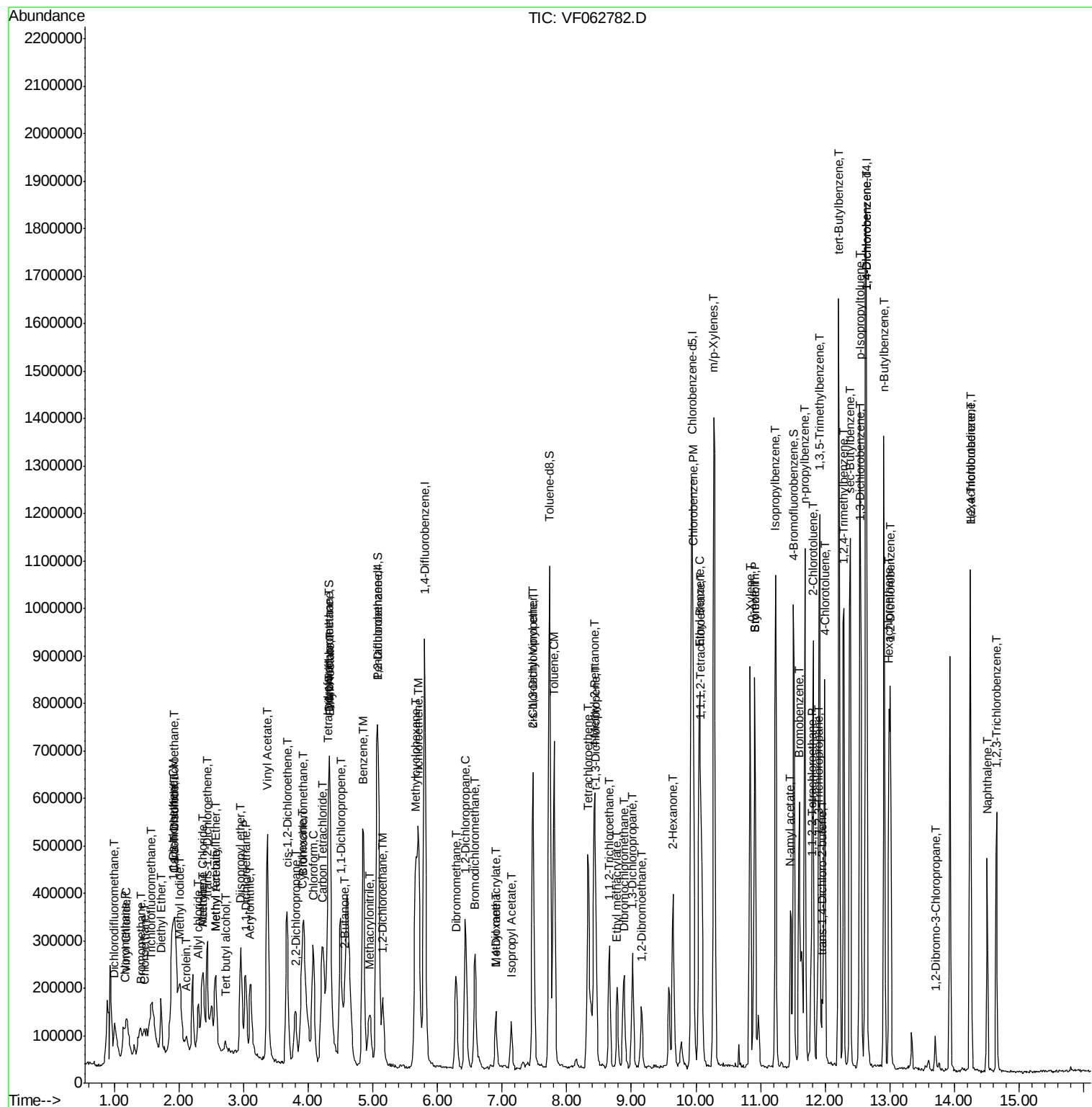
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	187504	22.196	ug/l	96
94) Hexachlorobutadiene	14.24	225	132431	22.463	ug/l	98
95) Naphthalene	14.51	128	304356	19.832	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	165438	20.675	ug/l	96

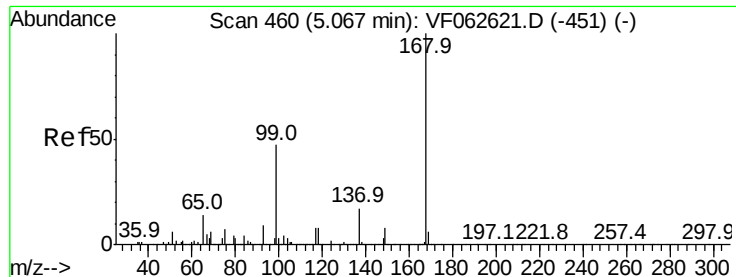
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062782.D
 Acq On : 29 May 2019 15:10
 Operator : FY/SY
 Sample : VF0529SBSD01
 Misc : 5.00µL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBSD03

Quant Time: May 30 08:39:51 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

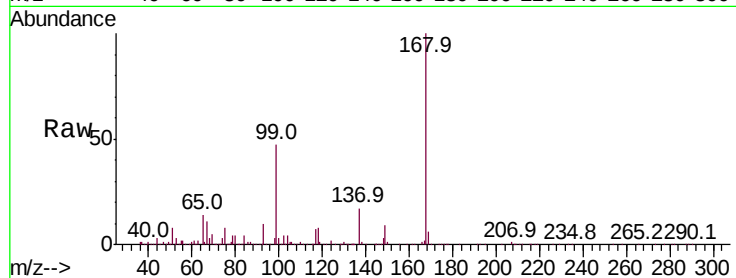
VF0529SBSD03

Tot Ion:168 Resp: 665381

Ion Ratio Lower Upper

168 100

99 46.9 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

150000

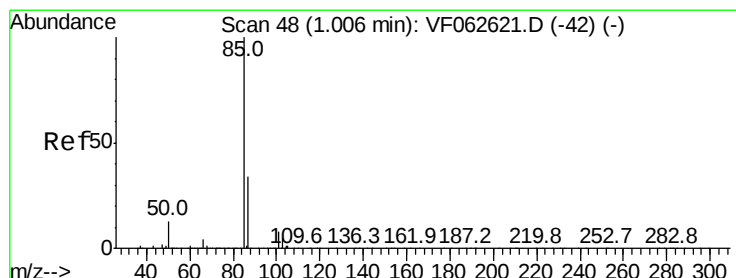
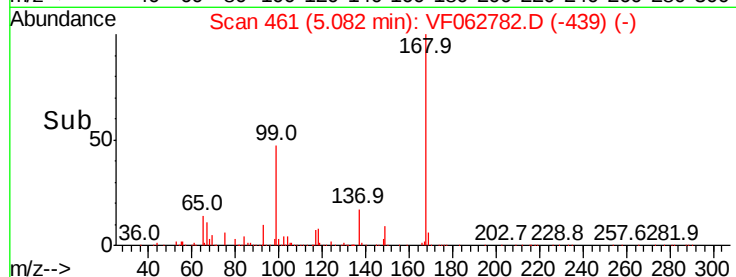
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 19.456 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062782.D

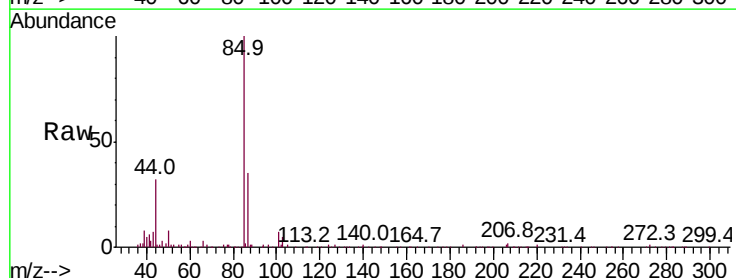
Acq: 29 May 2019 15:10

Tgt Ion: 85 Resp: 176175

Ion Ratio Lower Upper

85 100

87 35.2 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

50000

40000

30000

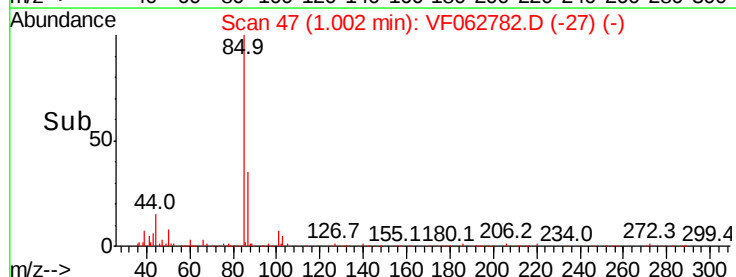
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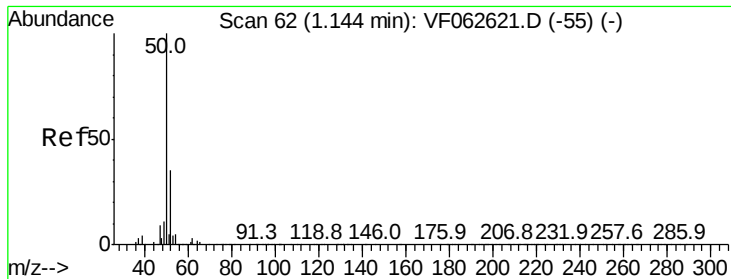
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 18.619 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

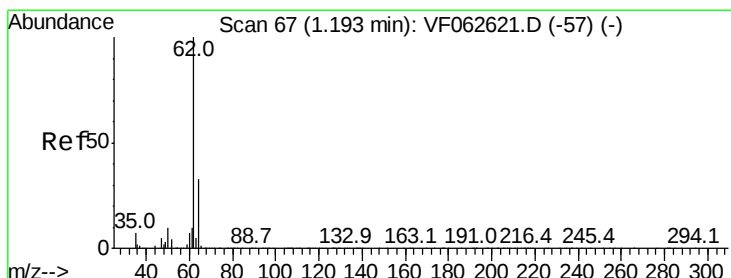
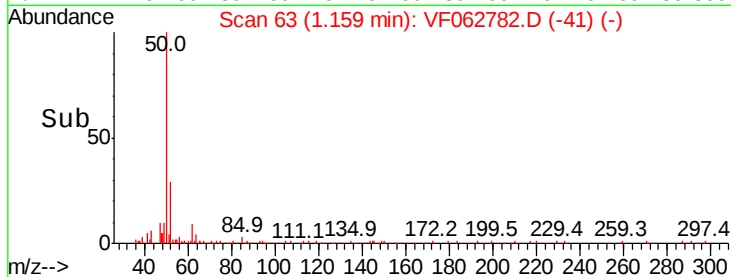
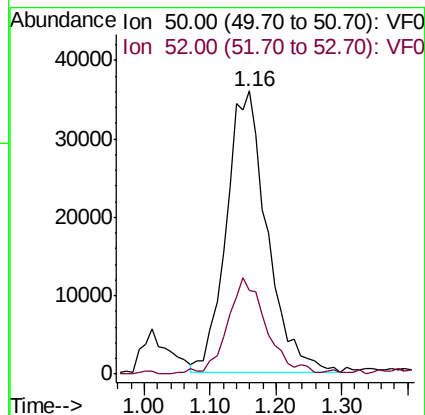
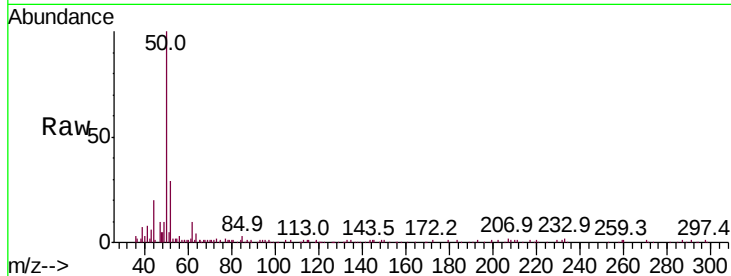
VF0529SBS03

Tot Ion: 50 Resp: 155233

Ion Ratio Lower Upper

50 100

52 29.4 27.5 41.3



#4

Vinyl Chloride

Concen: 19.420 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062782.D

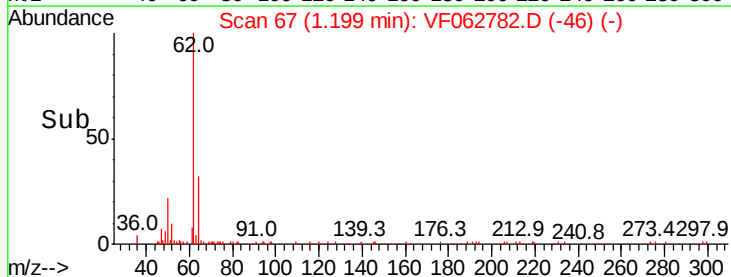
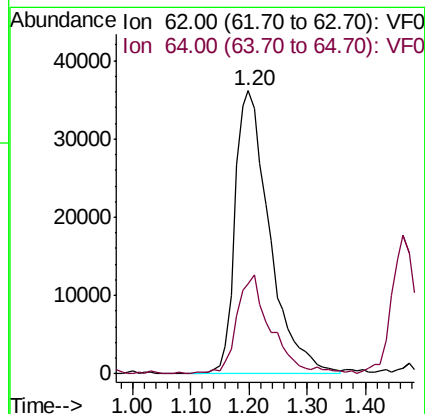
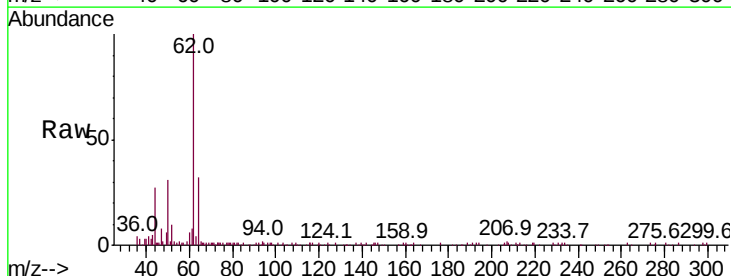
Acq: 29 May 2019 15:10

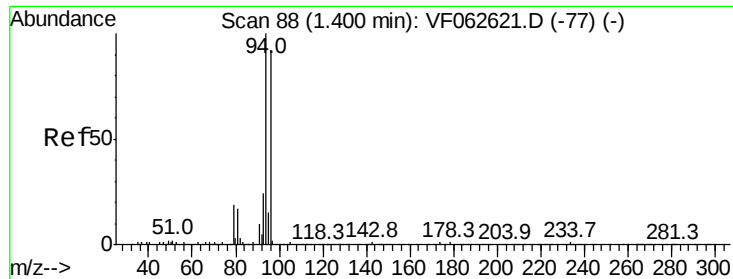
Tgt Ion: 62 Resp: 149045

Ion Ratio Lower Upper

62 100

64 31.6 26.7 40.1





#5

Bromomethane

Concen: 19.343 ug/l

RT: 1.41 min Scan# 88

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

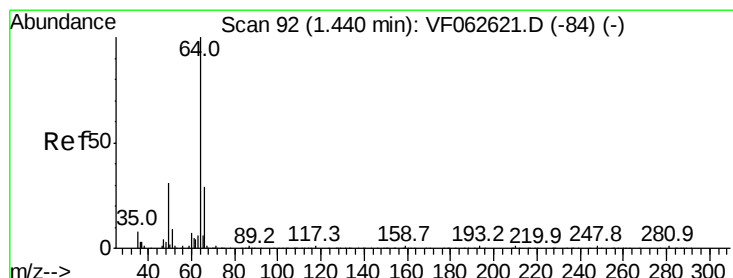
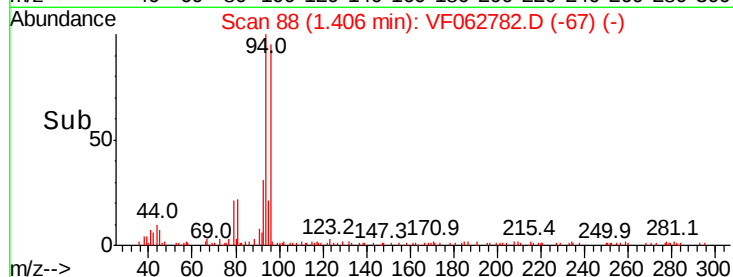
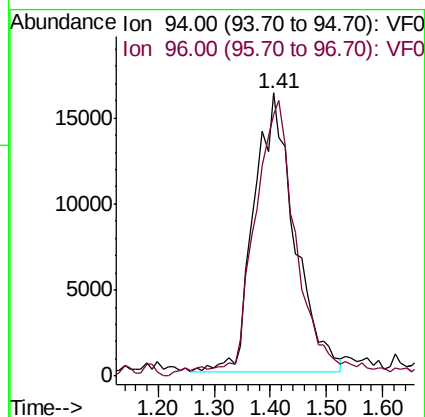
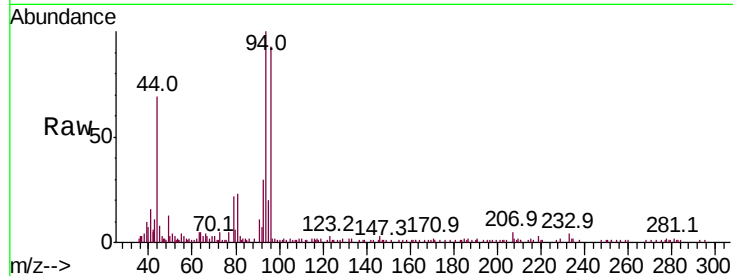
VF0529SBSD03

Tot Ion: 94 Resp: 81211

Ion Ratio Lower Upper

94 100

96 92.5 73.2 109.8



#6

Chloroethane

Concen: 20.470 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.03 min

Lab File: VF062782.D

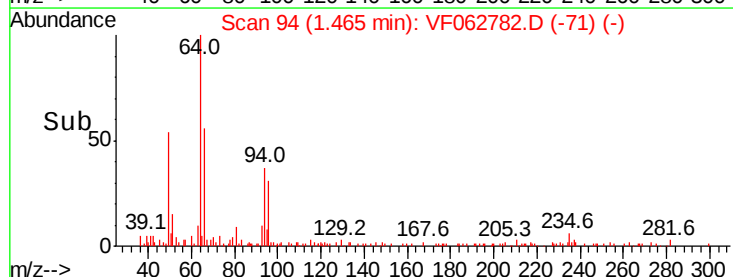
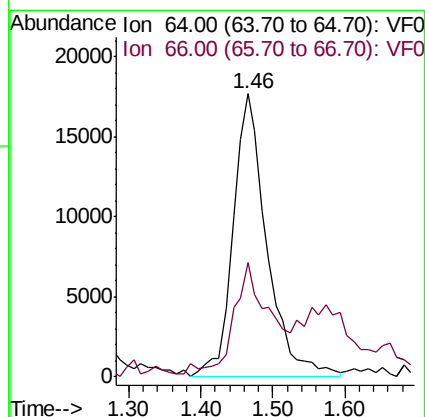
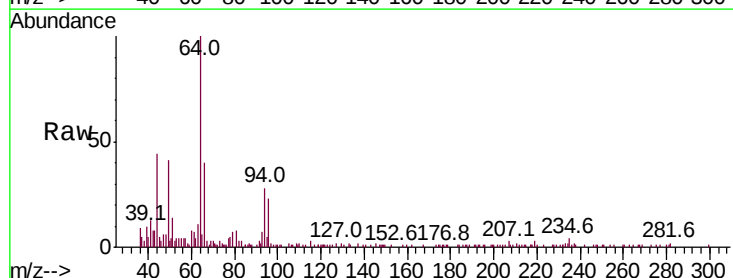
Acq: 29 May 2019 15:10

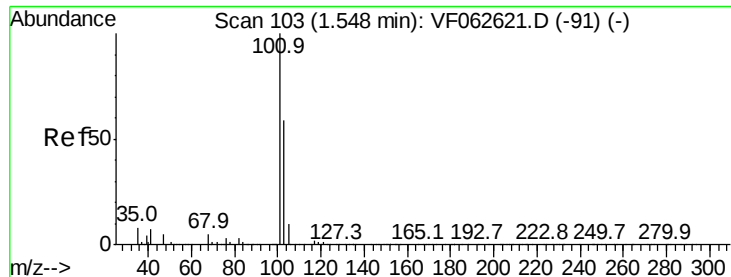
Tgt Ion: 64 Resp: 57696

Ion Ratio Lower Upper

64 100

66 40.3 23.4 35.2#



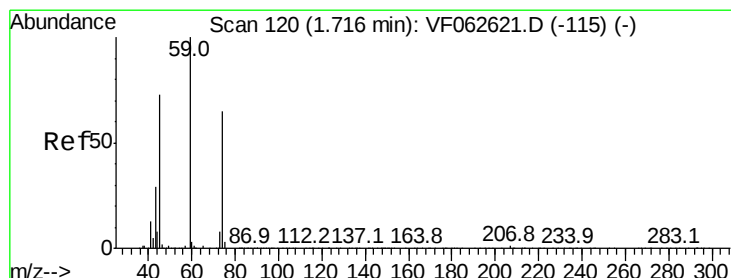
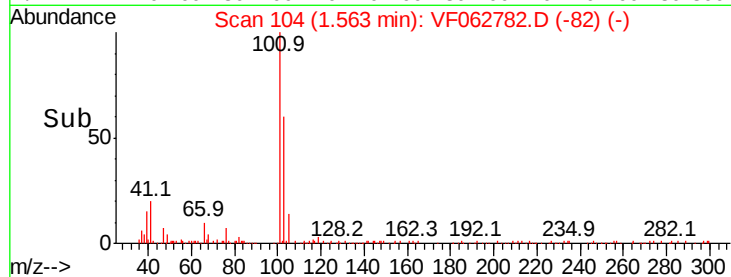
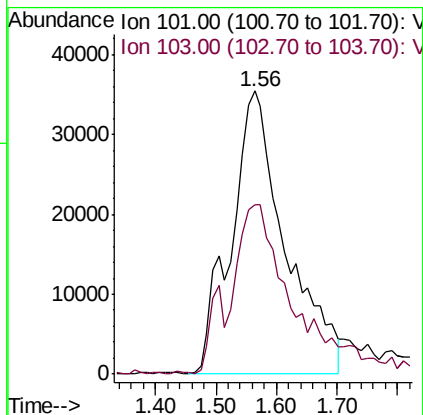
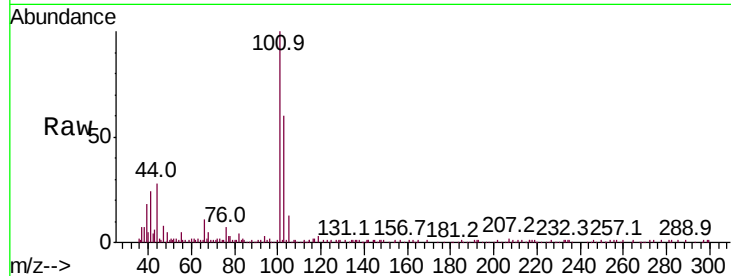


#7

Trichlorofluoromethane
Concen: 21.603 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

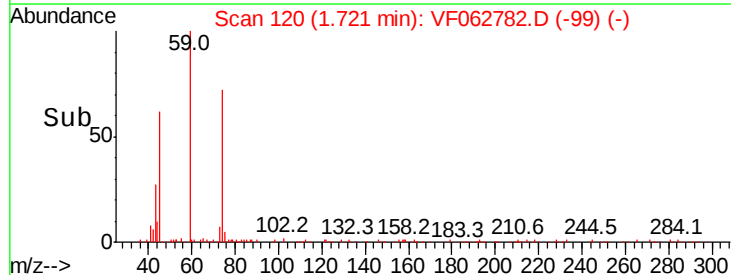
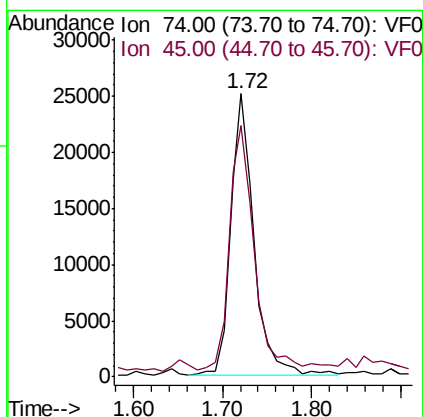
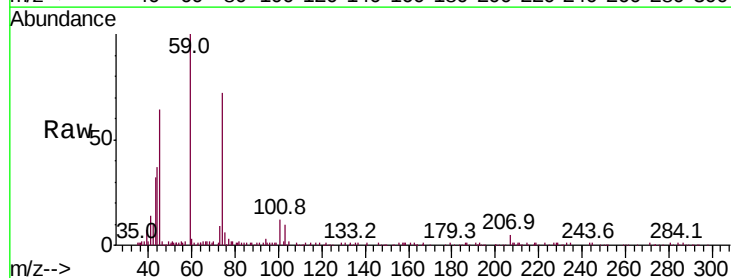
Tot Ion:101 Resp: 222619
Ion Ratio Lower Upper
101 100
103 59.7 47.3 70.9

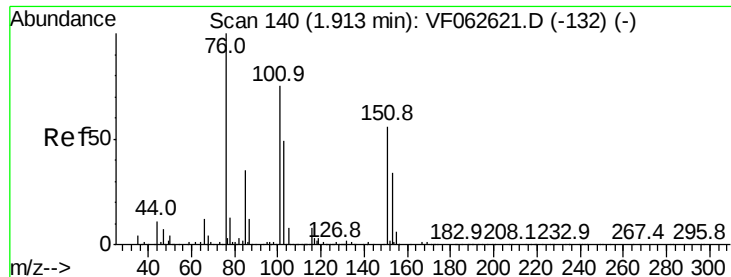


#8

Diethyl Ether
Concen: 22.483 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 74 Resp: 45899
Ion Ratio Lower Upper
74 100
45 89.0 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.003 ug/l

RT: 1.94 min Scan# 142

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

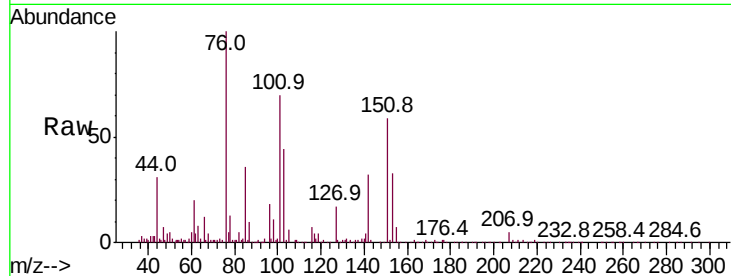
Tot Ion:101 Resp: 144379

Ion Ratio Lower Upper

101 100

85 51.6 37.1 55.7

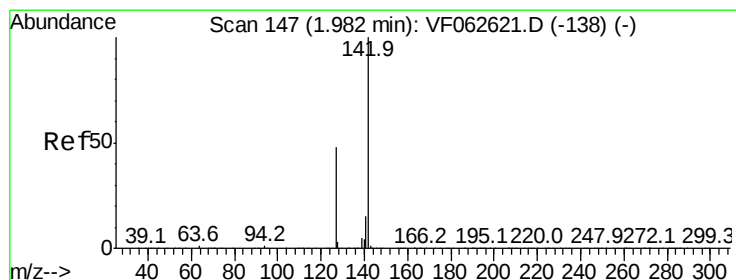
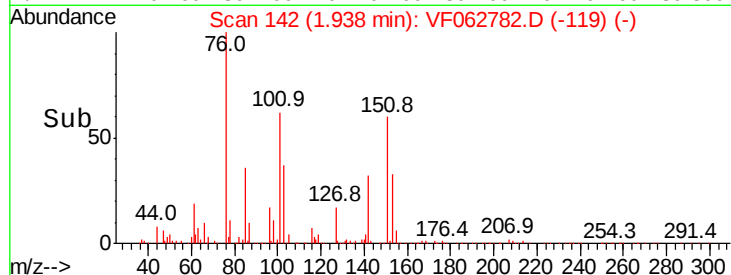
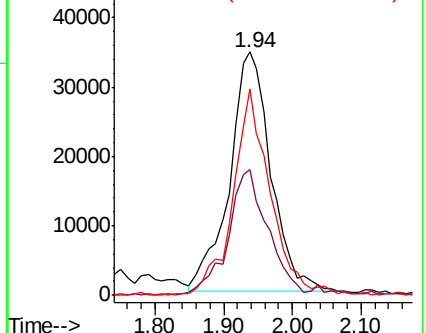
151 84.8 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 18.584 ug/l

RT: 2.02 min Scan# 150

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

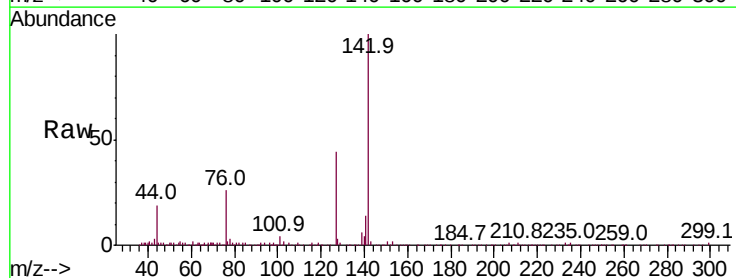
Tgt Ion:142 Resp: 239545

Ion Ratio Lower Upper

142 100

127 44.3 38.1 57.1

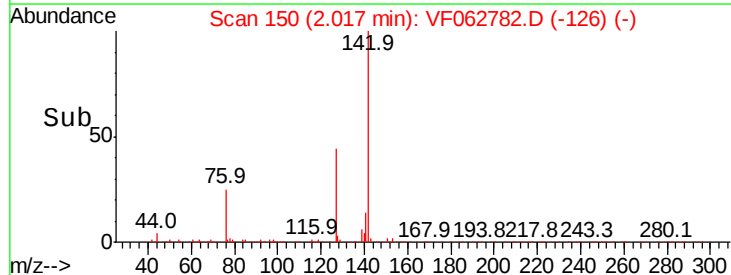
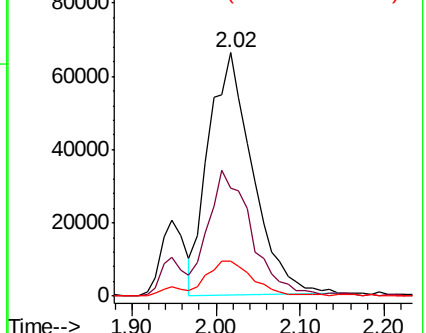
141 14.2 11.7 17.5

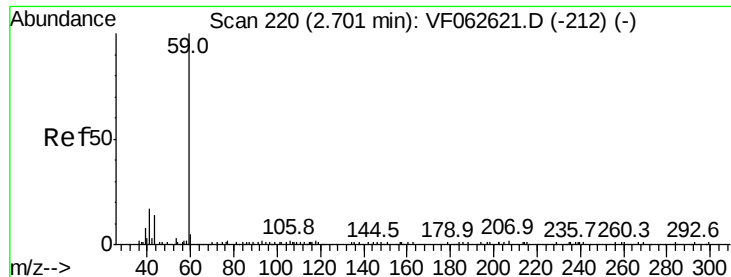


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

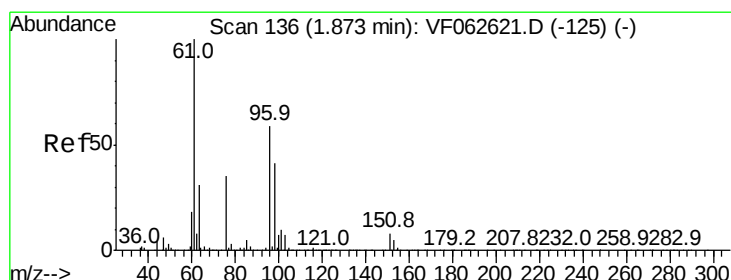
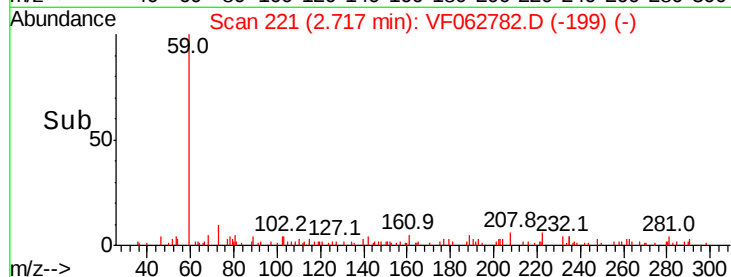
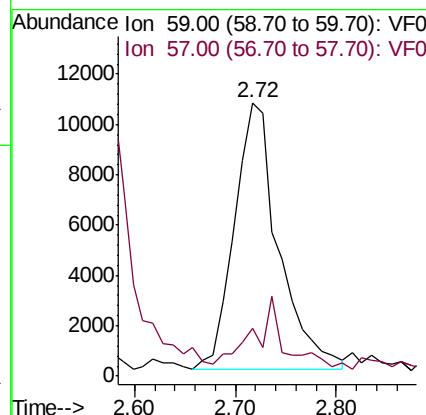
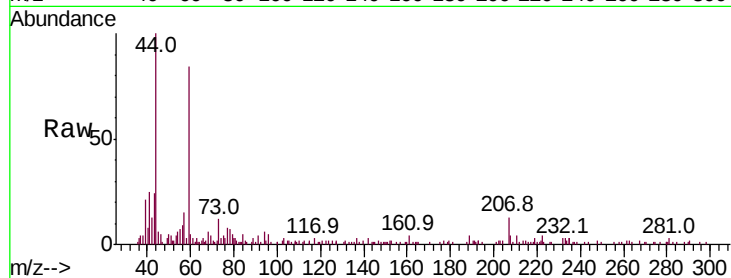




#11
Tert butyl alcohol
Concen: 104.341 ug/l
RT: 2.72 min Scan# 221
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

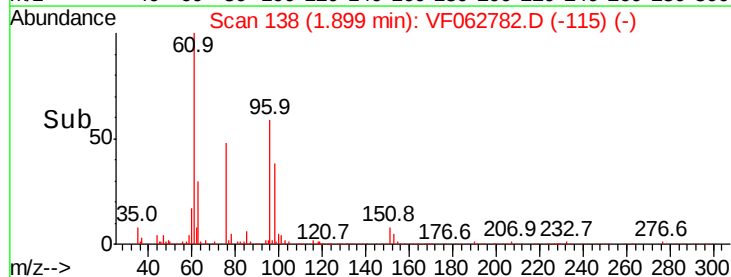
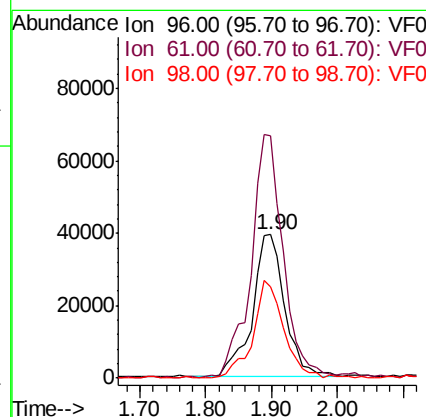
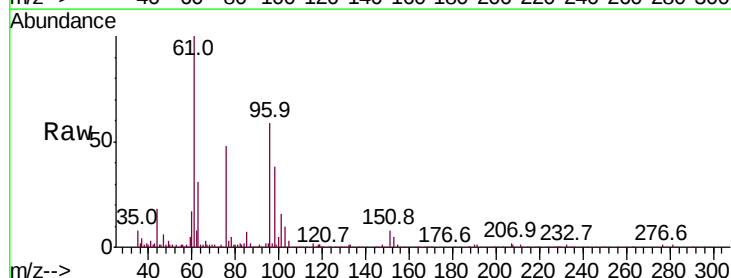
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

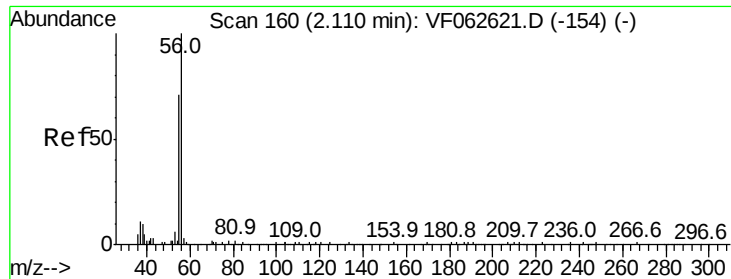
Tot Ion: 59 Resp: 32390
Ion Ratio Lower Upper
59 100
57 17.4 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 22.879 ug/l
RT: 1.90 min Scan# 138
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 96 Resp: 136753
Ion Ratio Lower Upper
96 100
61 168.7 134.3 201.5
98 63.4 55.0 82.6

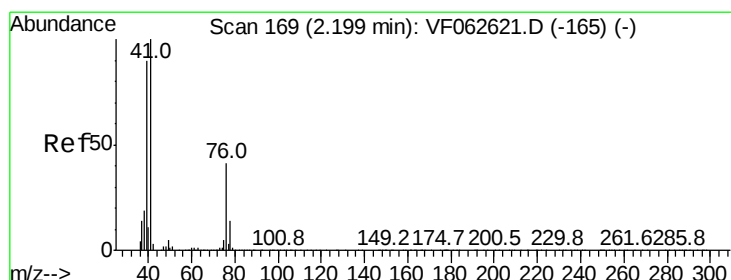
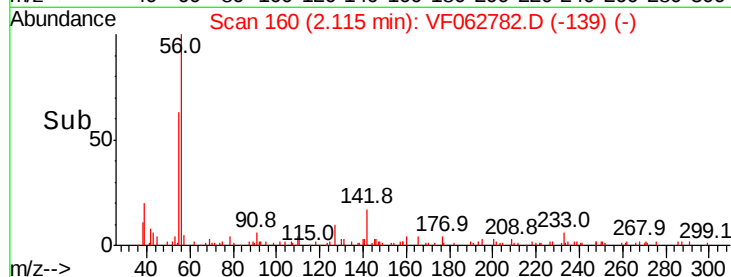
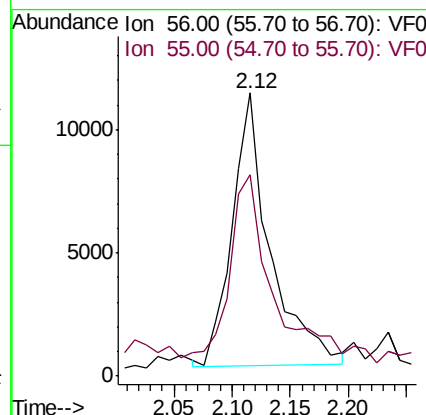
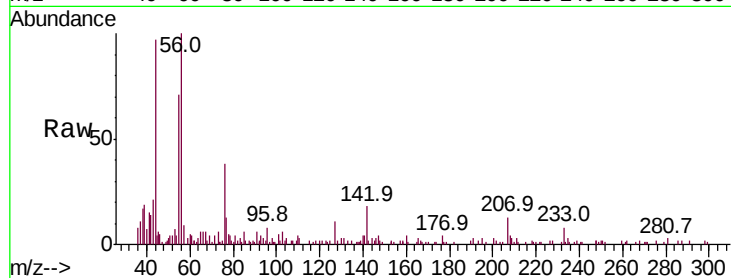




#13
Acrolein
Concen: 77.210 ug/l
RT: 2.12 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

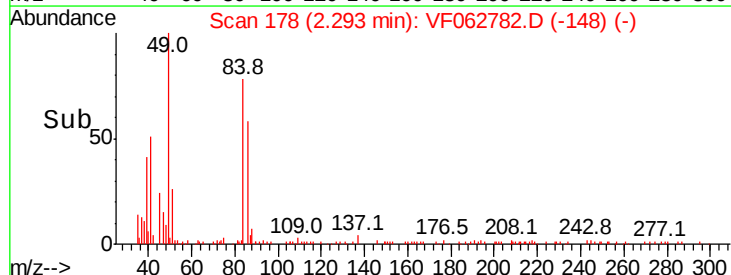
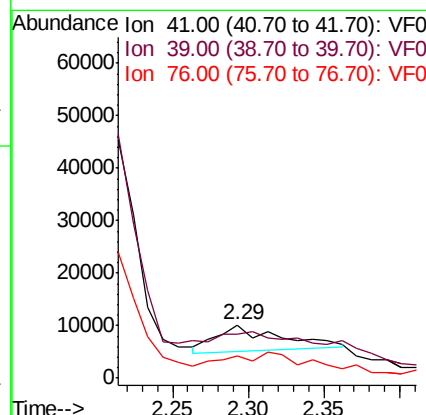
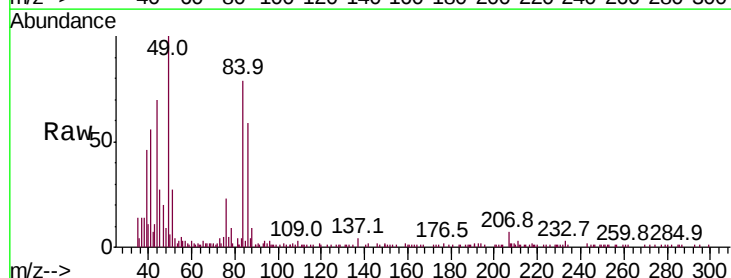
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

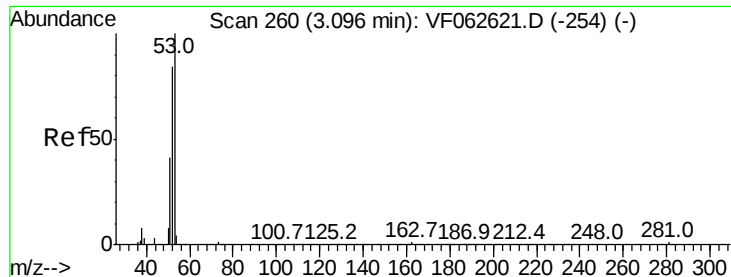
Tot Ion: 56 Resp: 25019
Ion Ratio Lower Upper
56 100
55 71.4 59.4 89.0



#14
Allyl chloride
Concen: 2.764 ug/l
RT: 2.29 min Scan# 178
Delta R.T. 0.09 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 41 Resp: 14952
Ion Ratio Lower Upper
41 100
39 83.0 72.0 108.0
76 42.1 34.8 52.2





#15

Acrylonitrile

Concen: 192.594 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

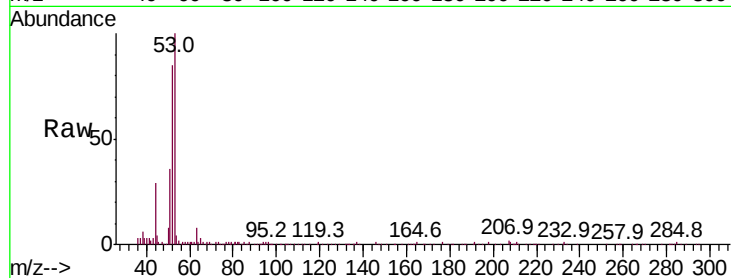
Tot Ion: 53 Resp: 168645

Ion Ratio Lower Upper

53 100

52 85.4 67.3 100.9

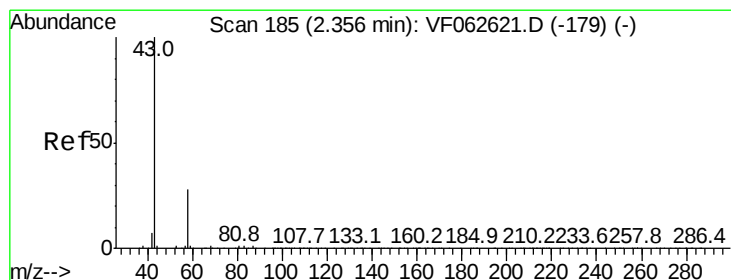
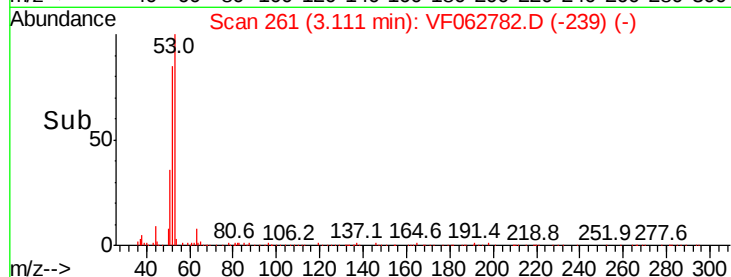
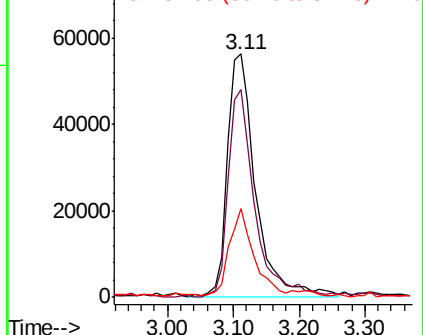
51 36.2 33.0 49.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 93.167 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062782.D

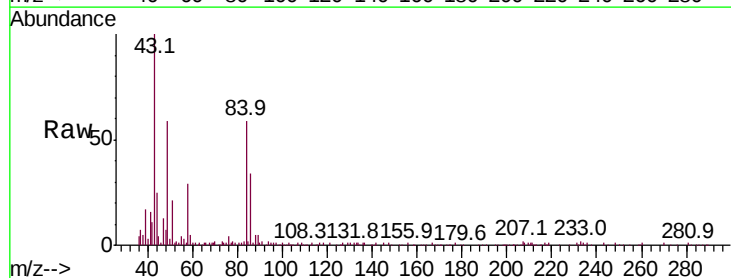
Acq: 29 May 2019 15:10

Tgt Ion: 43 Resp: 113647

Ion Ratio Lower Upper

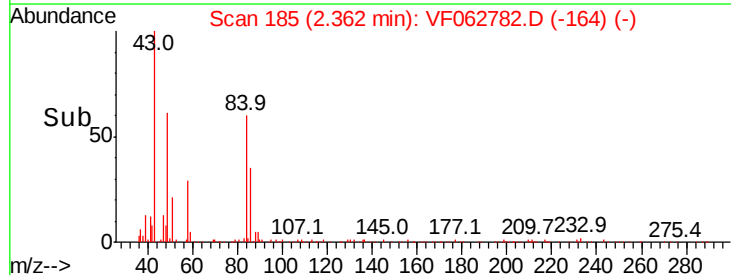
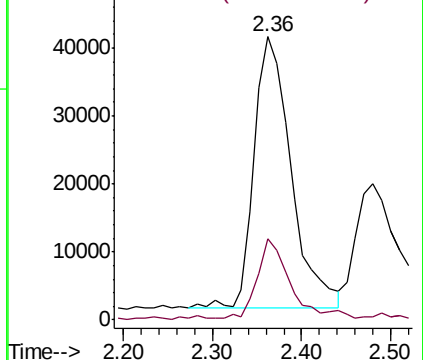
43 100

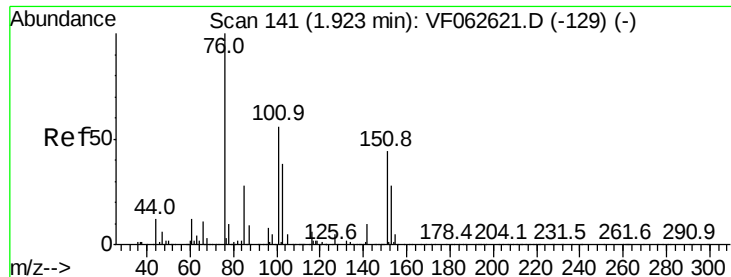
58 28.6 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

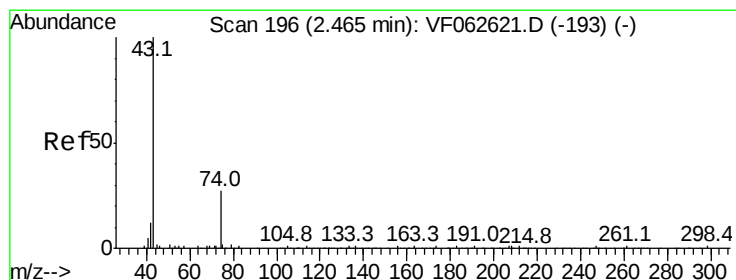
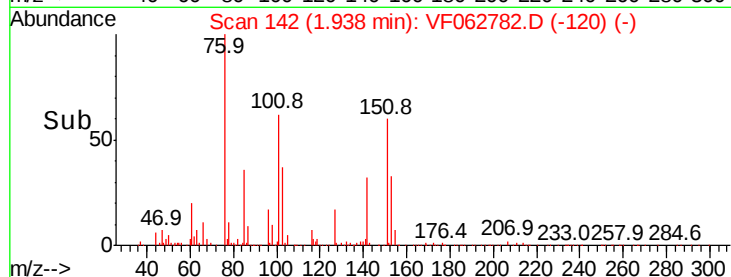
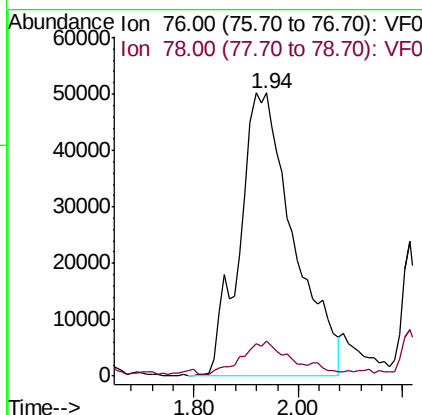
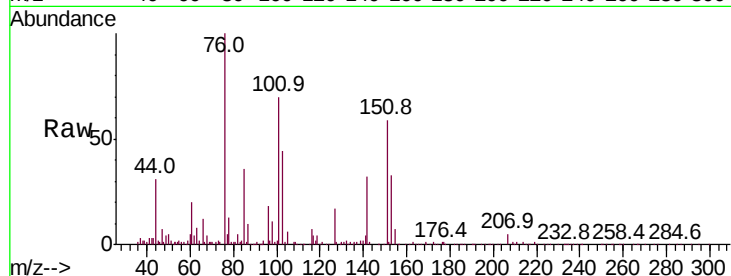




#17
Carbon Disulfide
Concen: 19.999 ug/l
RT: 1.94 min Scan# 142
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

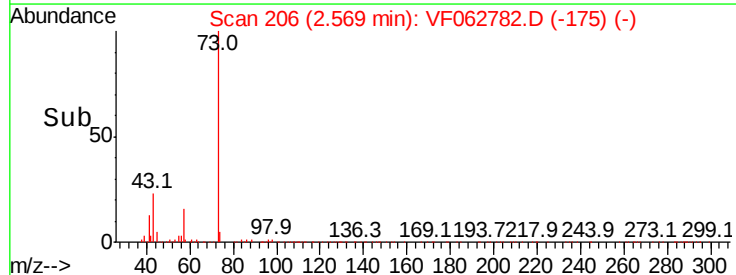
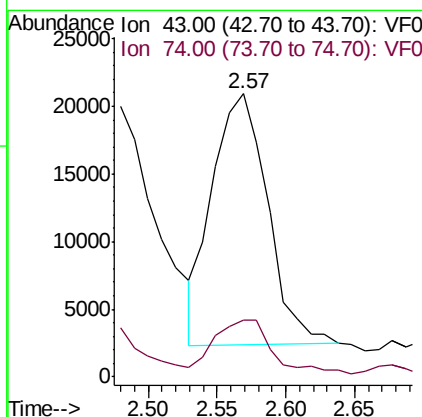
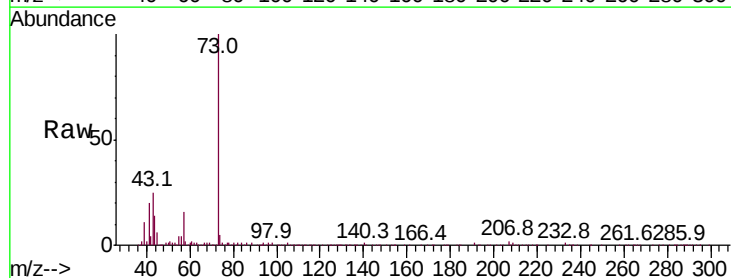
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

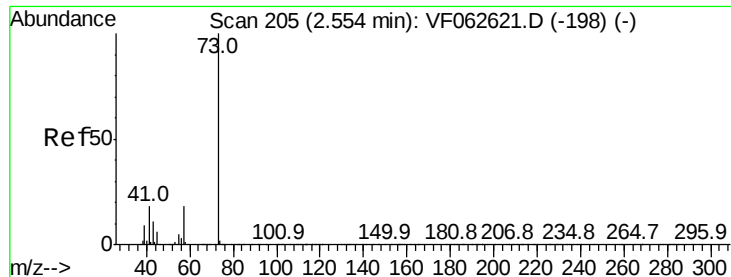
Tot Ion: 76 Resp: 354315
Ion Ratio Lower Upper
76 100
78 12.6 8.4 12.6



#18
Methyl Acetate
Concen: 26.961 ug/l
RT: 2.57 min Scan# 206
Delta R.T. 0.10 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 43 Resp: 51681
Ion Ratio Lower Upper
43 100
74 20.2 18.9 28.3

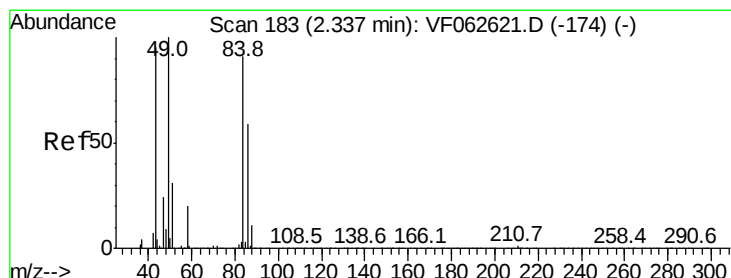
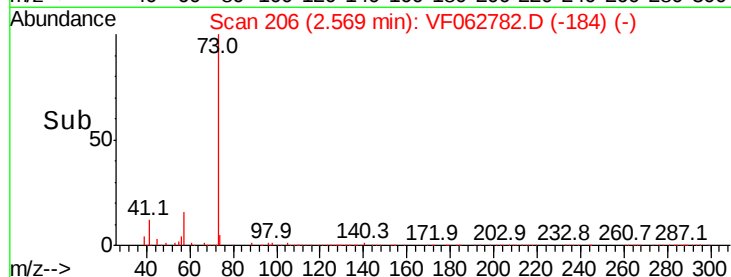
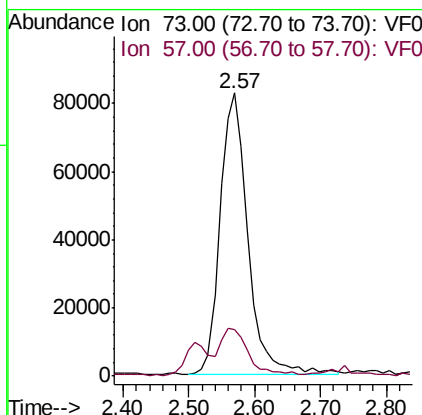
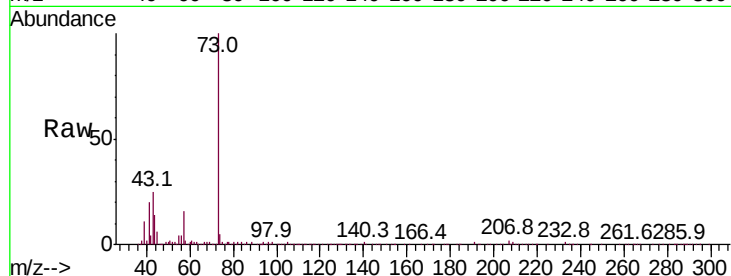




#19
Methvl tert-butvl Ether
Concen: 22.696 ug/l
RT: 2.57 min Scan# 206
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

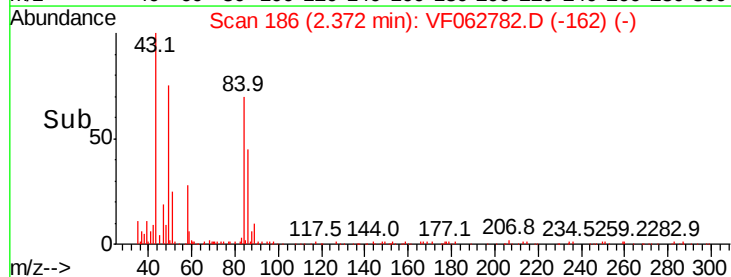
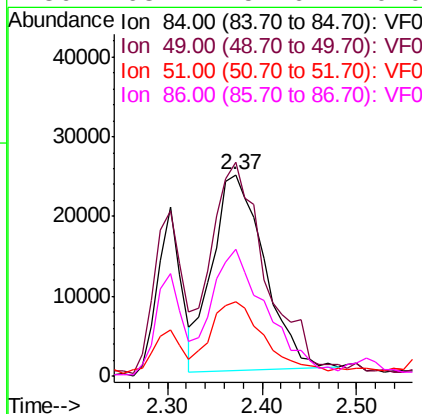
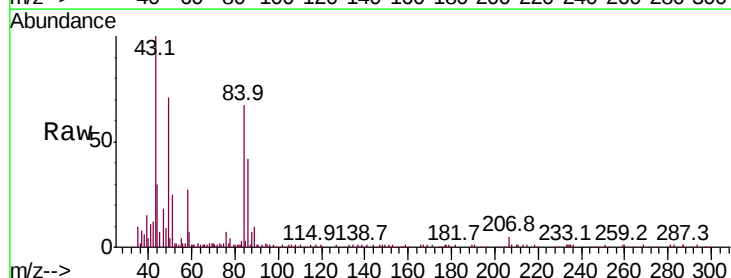
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

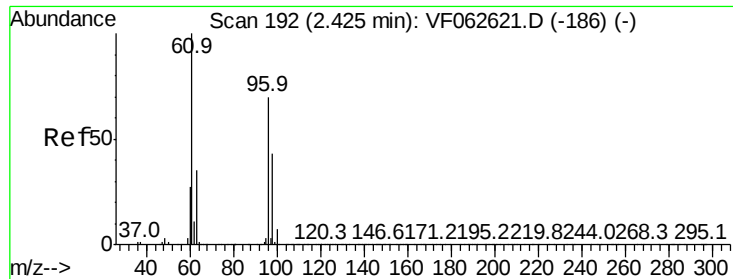
Tot Ion: 73 Resp: 242519
Ion Ratio Lower Upper
73 100
57 16.3 14.2 21.4



#20
Methylene Chloride
Concen: 15.429 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.04 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 84 Resp: 94340
Ion Ratio Lower Upper
84 100
49 106.2 89.8 134.8
51 37.0 28.4 42.6
86 63.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 17.380 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

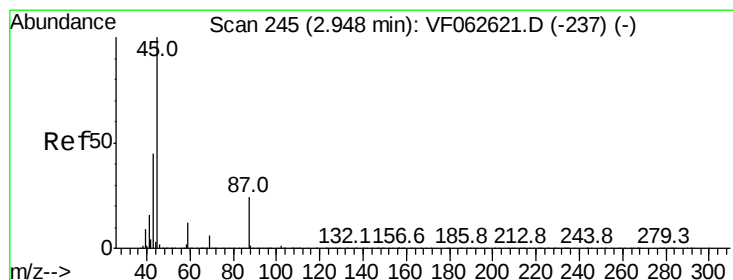
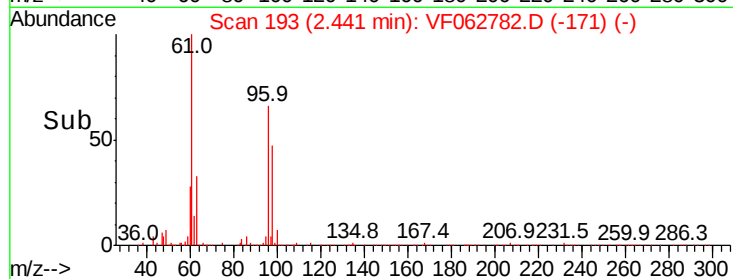
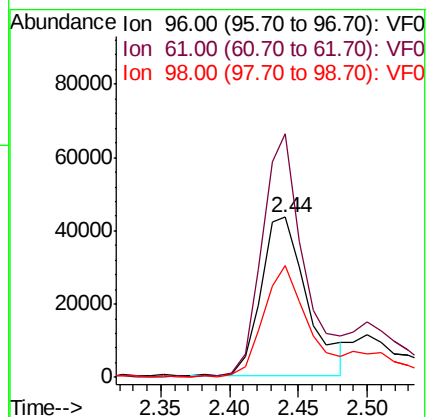
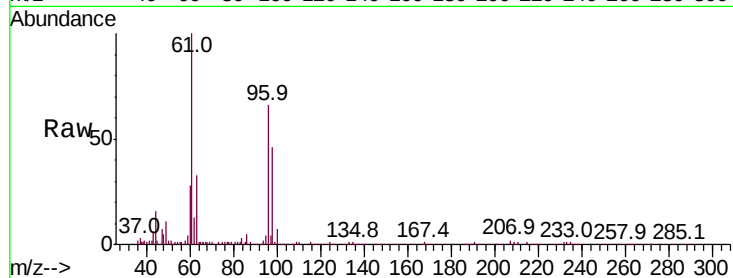
Tot Ion: 96 Resp: 101539

Ion Ratio Lower Upper

96 100

61 151.9 114.6 171.8

98 70.0 49.5 74.3



#22

Diisopropyl ether

Concen: 20.760 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion: 45 Resp: 276989

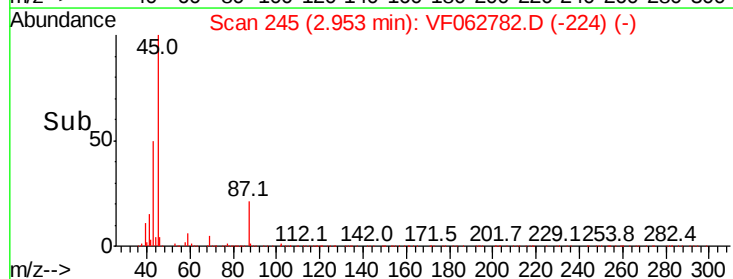
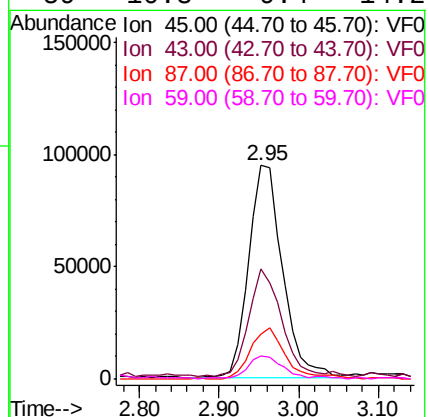
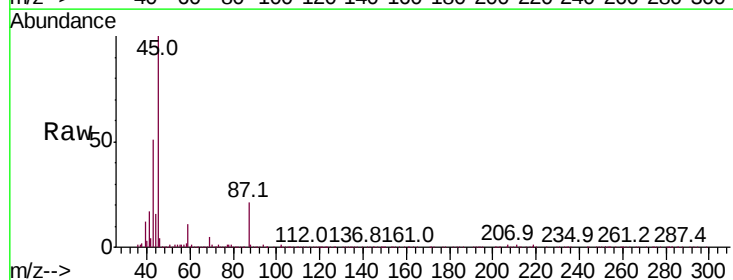
Ion Ratio Lower Upper

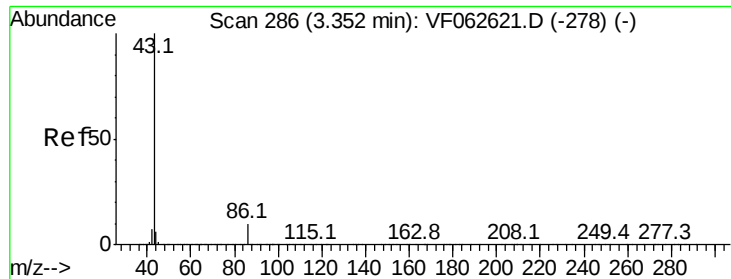
45 100

43 51.4 36.4 54.6

87 21.3 19.3 28.9

59 10.8 9.4 14.2





#23

Vinyl Acetate

Concen: 115.074 ug/l

RT: 3.37 min Scan# 287

Delta R.T. 0.02 min

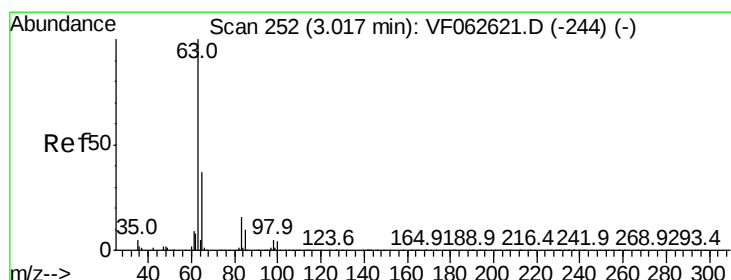
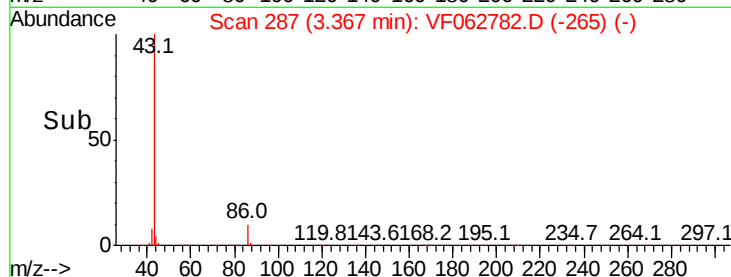
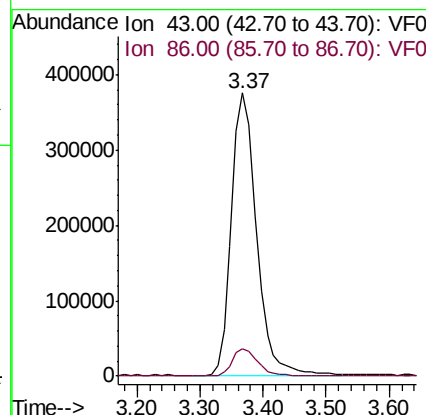
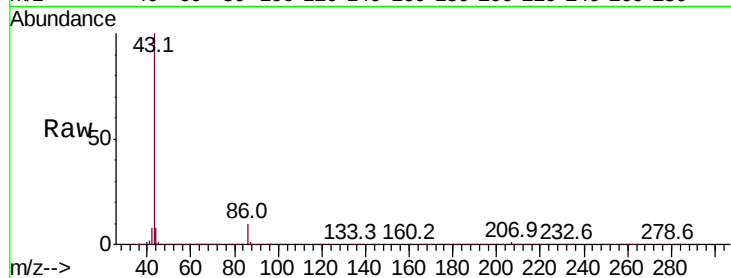
Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

Tot Ion: 43 Resp: 1035728

Ion	Ratio	Lower	Upper
43	100		
86	9.6	8.2	12.2



#24

1,1-Dichloroethane

Concen: 22.433 ug/l

RT: 3.03 min Scan# 253

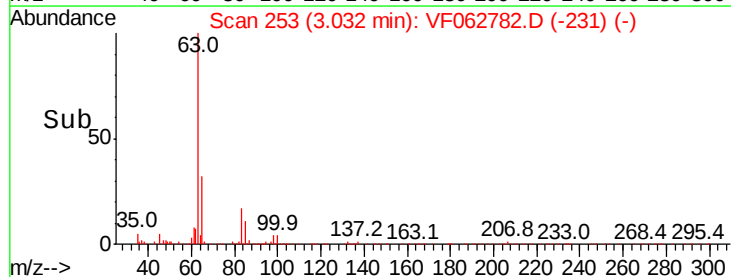
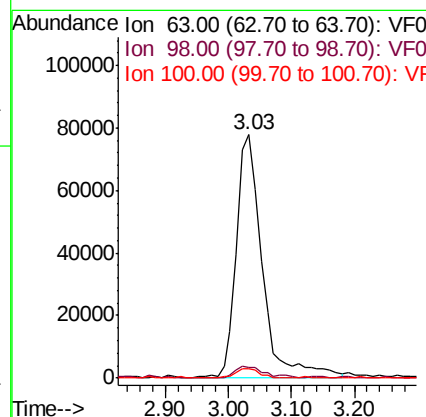
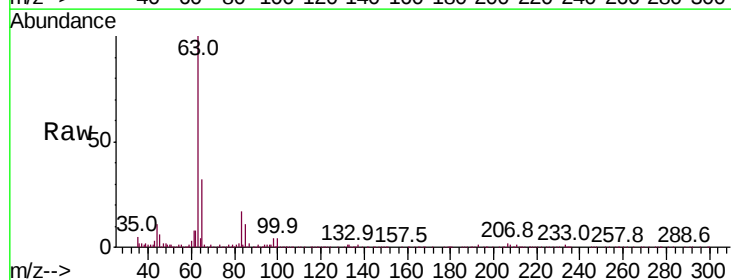
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion: 63 Resp: 219576

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.8	8.3
100	3.6	1.9	5.7





#25

2-Butanone

Concen: 111.554 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

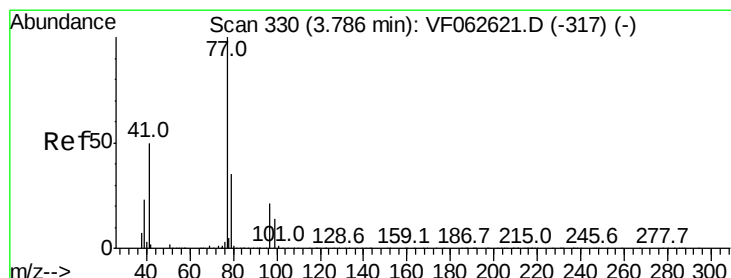
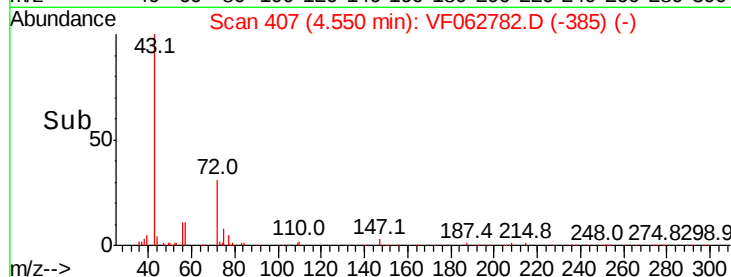
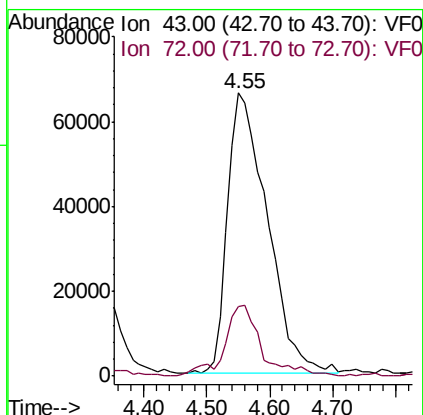
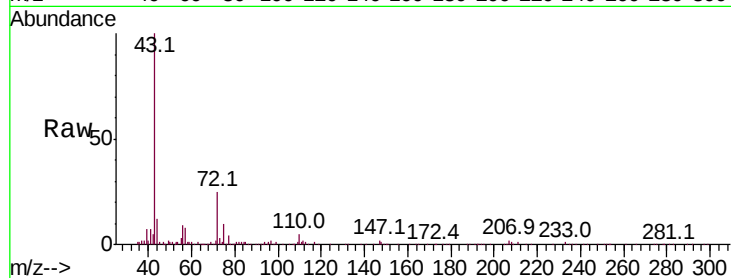
VF0529SBSD03

Tot Ion: 43 Resp: 290728

Ion Ratio Lower Upper

43 100

72 24.8 20.1 30.1



#26

2,2-Dichloropropane

Concen: 22.517 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.02 min

Lab File: VF062782.D

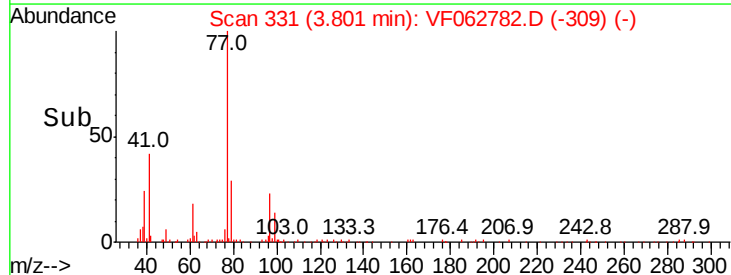
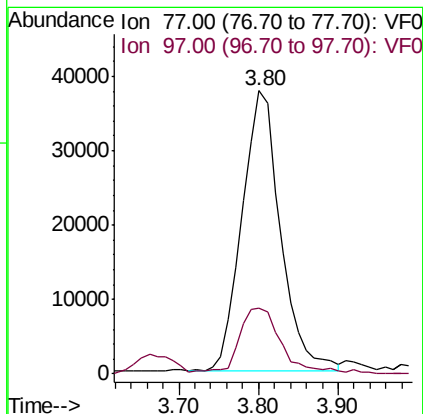
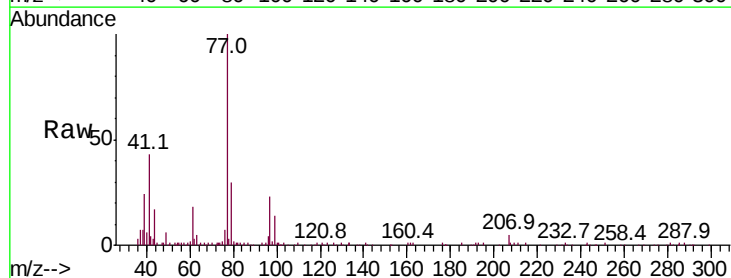
Acq: 29 May 2019 15:10

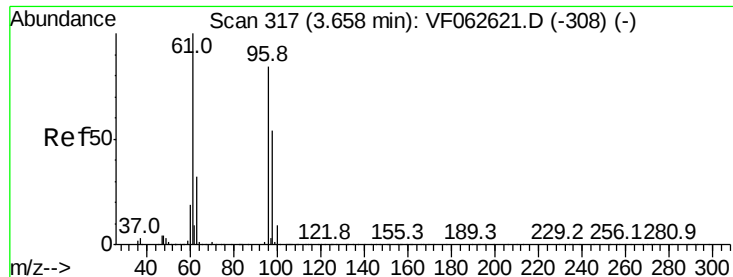
Tgt Ion: 77 Resp: 126106

Ion Ratio Lower Upper

77 100

97 23.0 14.1 42.4



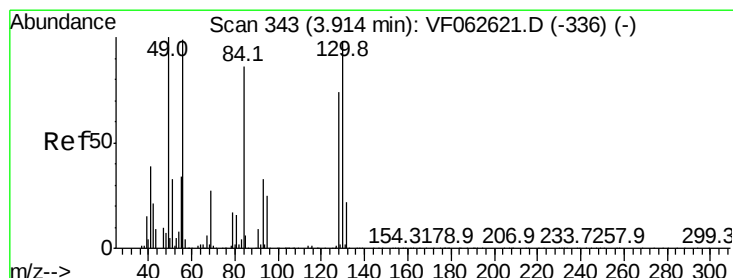
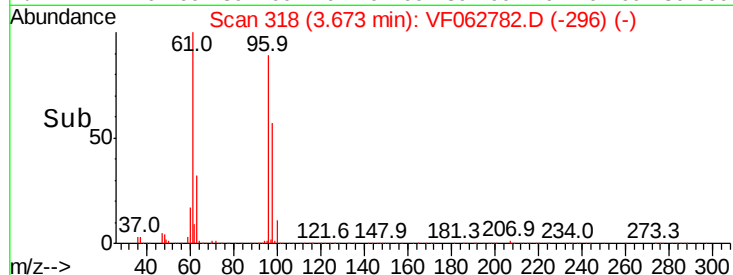
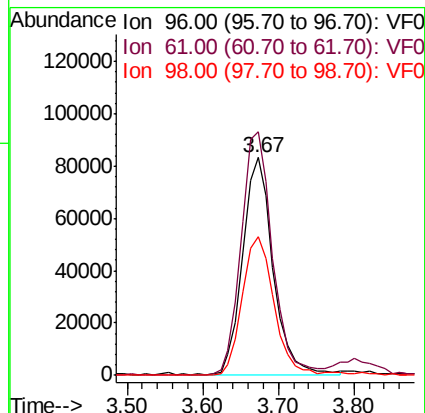
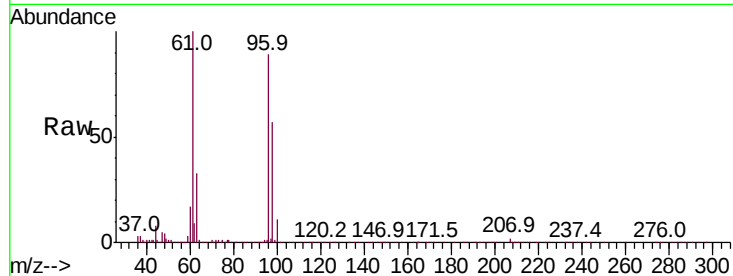


#27

cis-1,2-Dichloroethene
Concen: 24.158 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

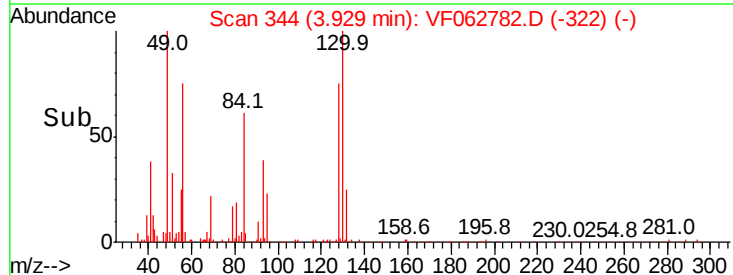
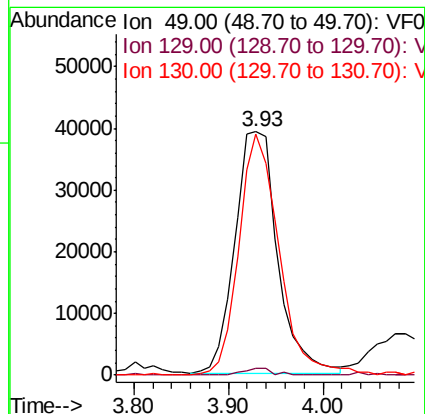
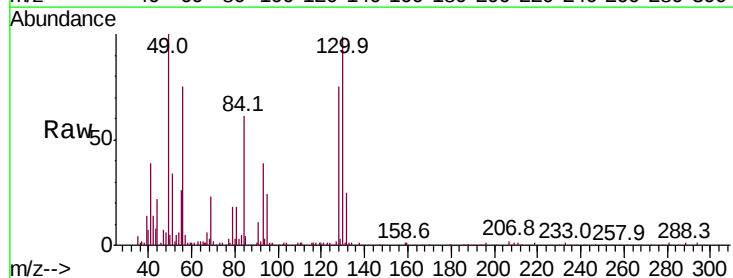
Tot Ion	96	Resp	232159
Ion Ratio	Lower	Upper	
96	100		
61	112.0	0.0	237.4
98	63.8	0.0	129.0

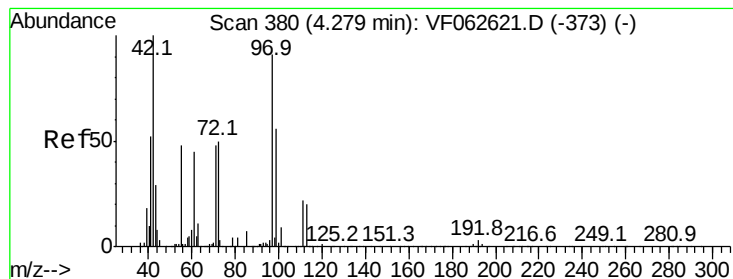


#28

Bromochloromethane
Concen: 22.506 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion	49	Resp	123550
Ion Ratio	Lower	Upper	
49	100		
129	2.9	0.0	4.0
130	99.1	77.8	116.8





#29

Tetrahydrofuran

Concen: 111.213 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

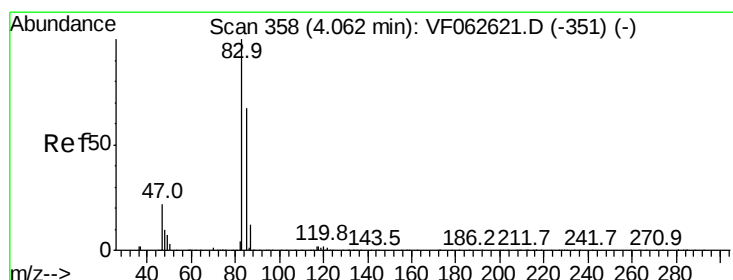
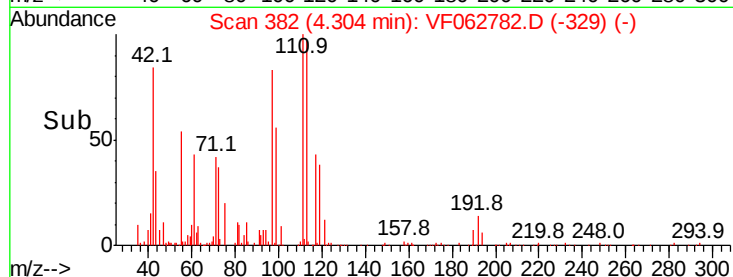
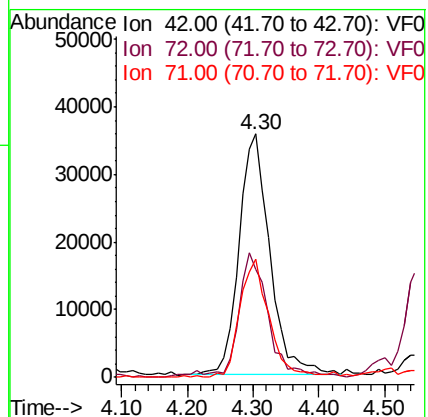
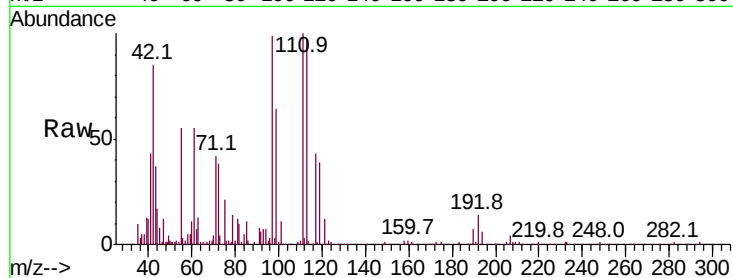
Tot Ion: 42 Resp: 117288

Ion Ratio Lower Upper

42 100

72 48.9 38.2 57.2

71 46.6 35.8 53.6



#30

Chloroform

Concen: 22.971 ug/l

RT: 4.08 min Scan# 359

Delta R.T. 0.02 min

Lab File: VF062782.D

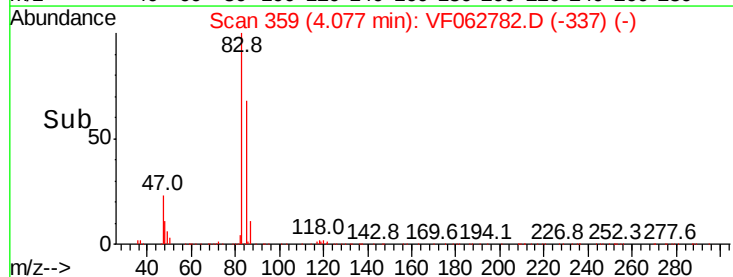
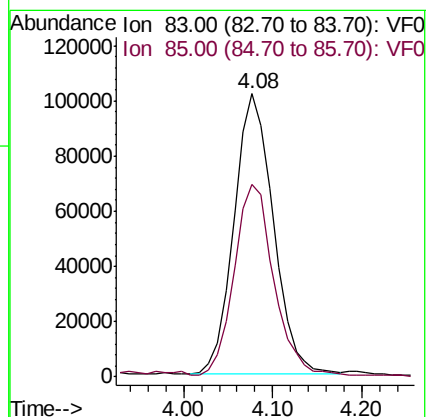
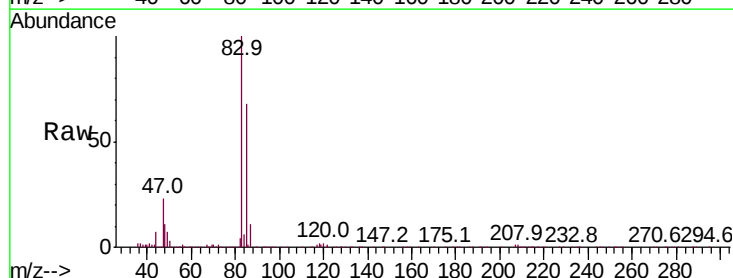
Acq: 29 May 2019 15:10

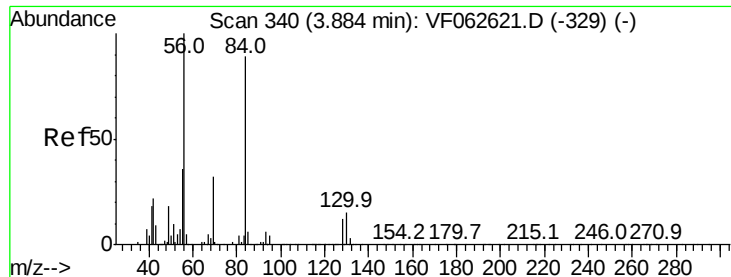
Tgt Ion: 83 Resp: 312176

Ion Ratio Lower Upper

83 100

85 68.1 53.6 80.4

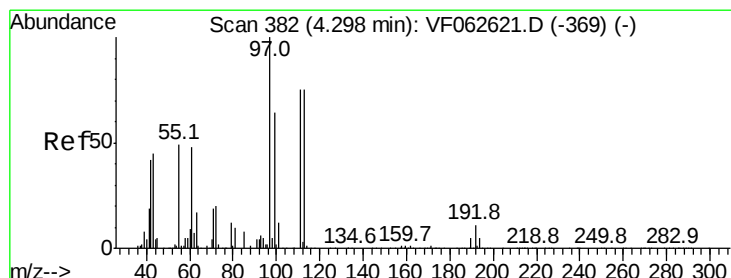
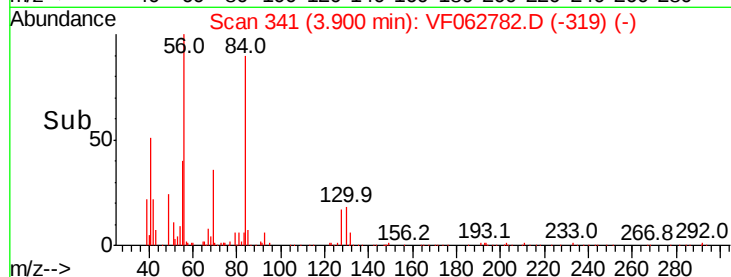
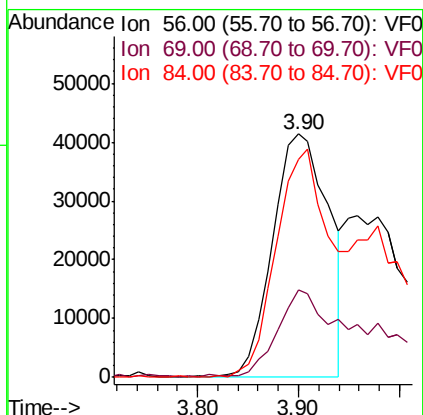
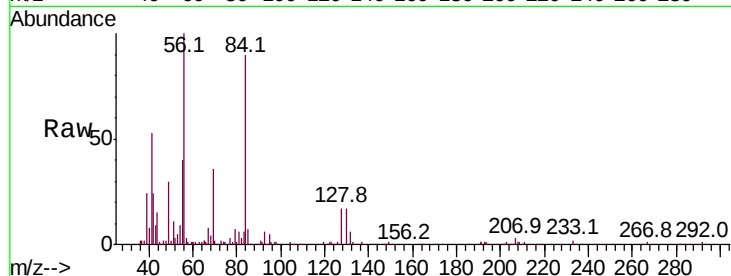




#31
Cyclohexane
Concen: 12.187 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

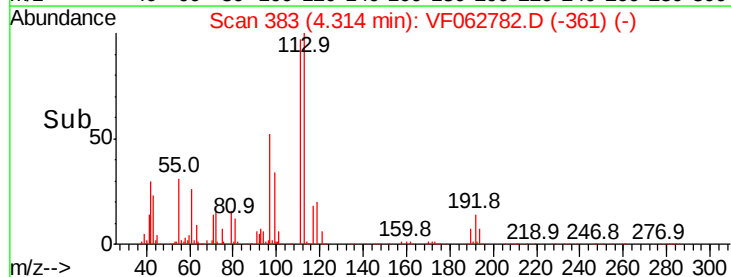
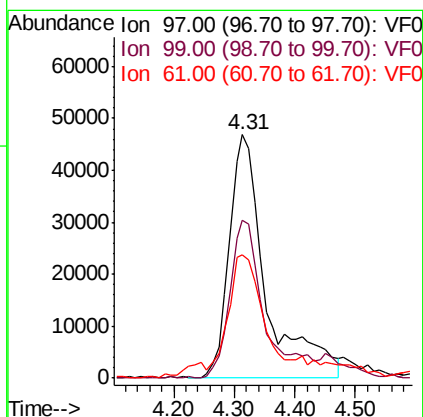
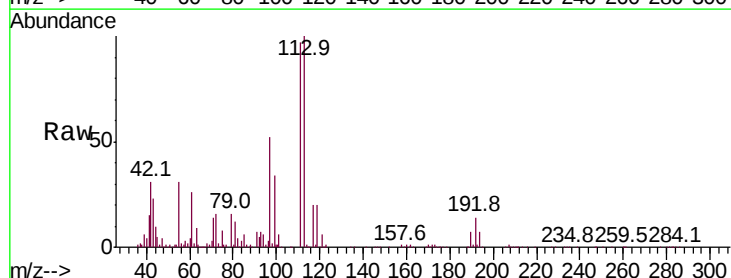
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

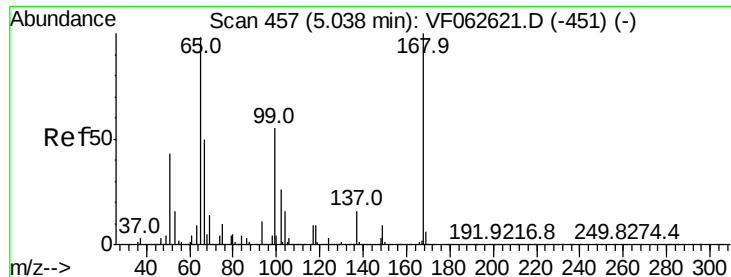
Tot Ion: 56 Resp: 160172
Ion Ratio Lower Upper
56 100
69 35.8 25.3 37.9
84 89.6 71.0 106.4



#32
1,1,1-Trichloroethane
Concen: 21.941 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 97 Resp: 198029
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 50.4 38.2 57.2

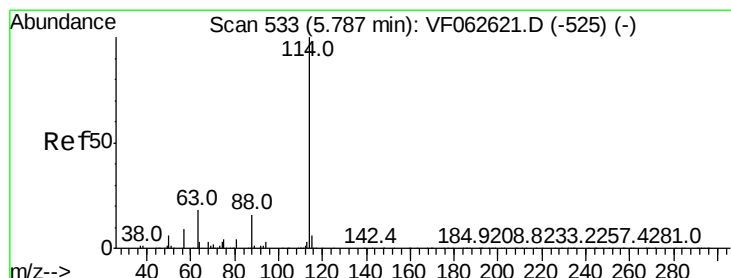
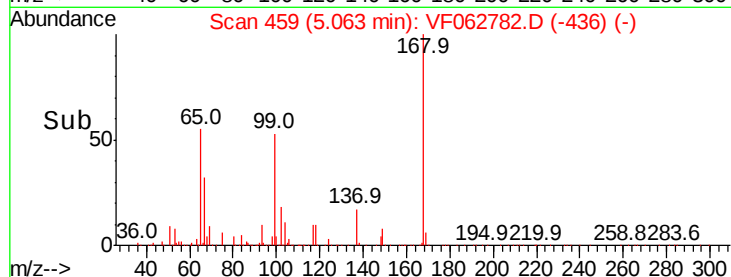
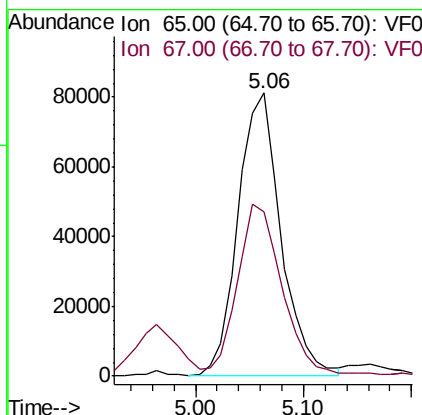
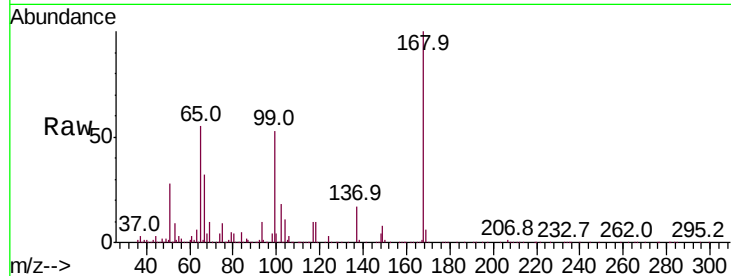




#33
 1,2-Dichloroethane-d4
 Concen: 47.522 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.03 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

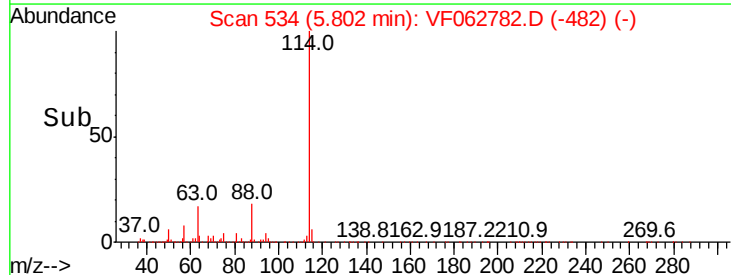
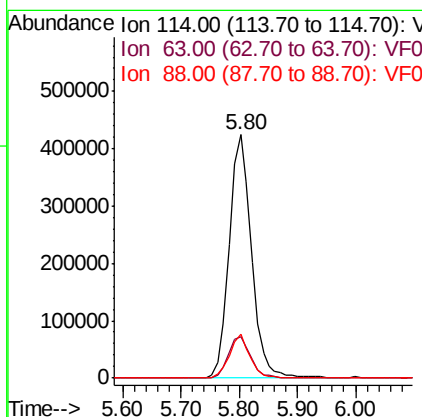
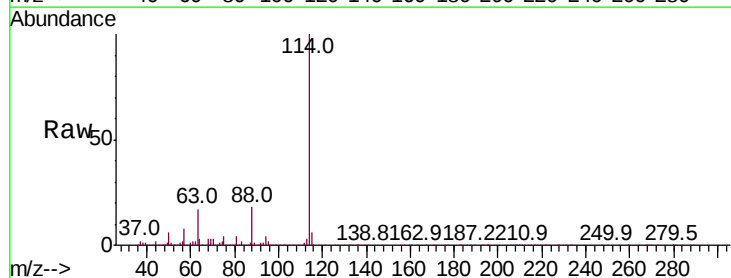
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

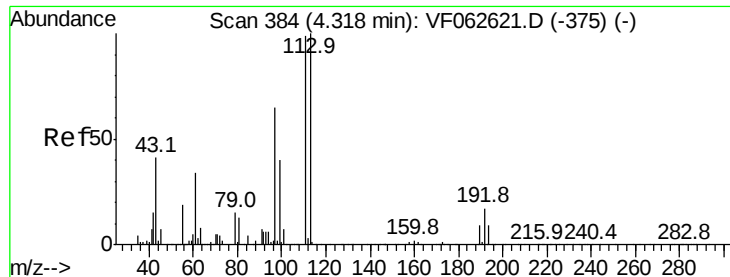
Tot Ion: 65 Resp: 223443
 Ion Ratio Lower Upper
 65 100
 67 58.0 0.0 117.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion: 114 Resp: 1129547
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 35.4
 88 18.0 0.0 32.4

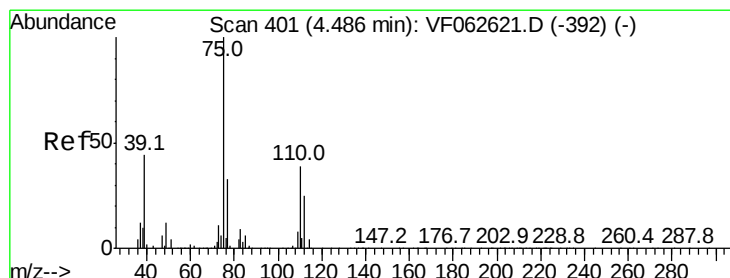
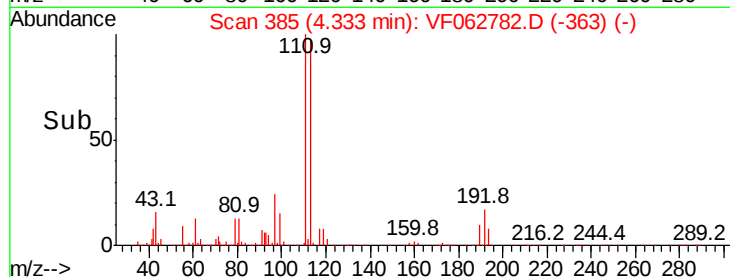
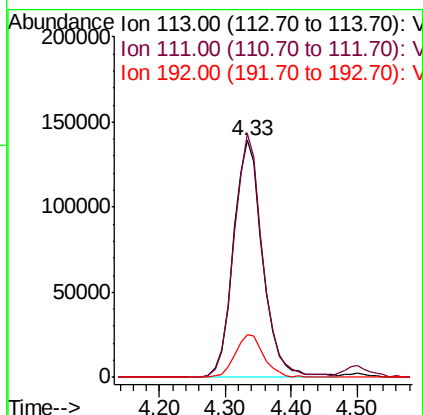
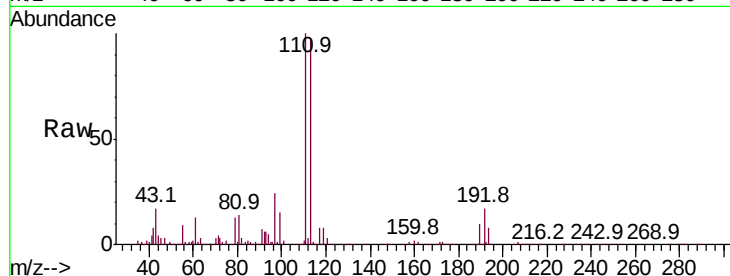




#35
 Dibromofluoromethane
 Concen: 50.440 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

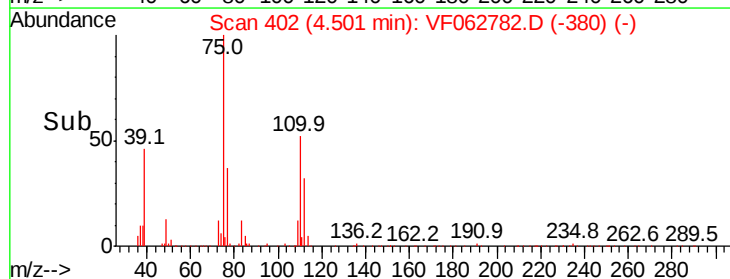
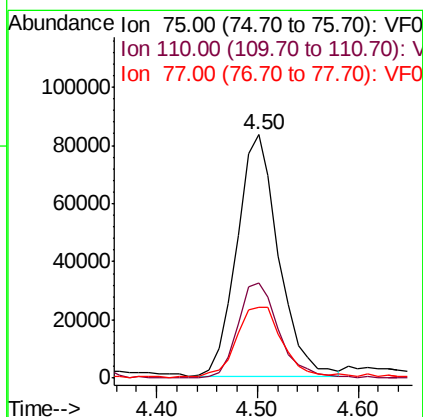
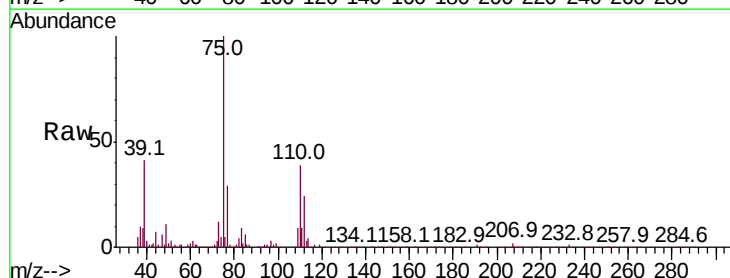
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	79.4	119.2
192	18.2	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 20.701 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.7	59.1
77	29.2	26.3	39.5

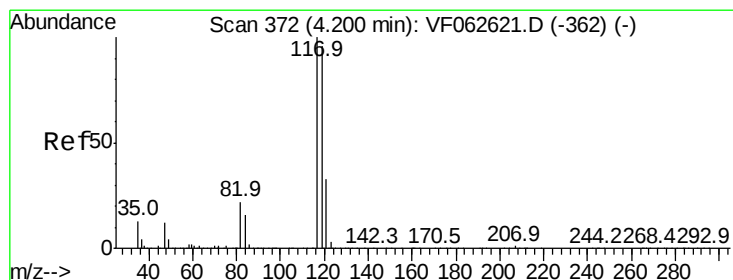
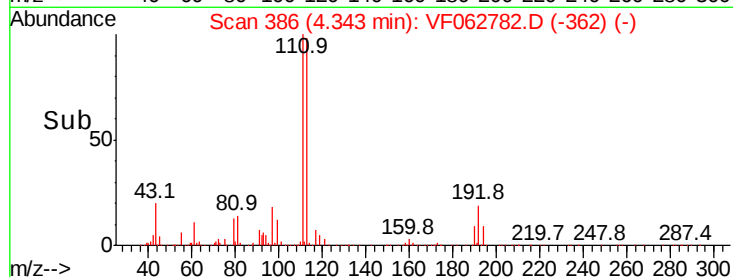
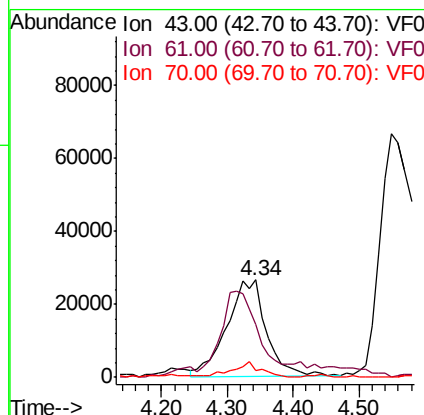
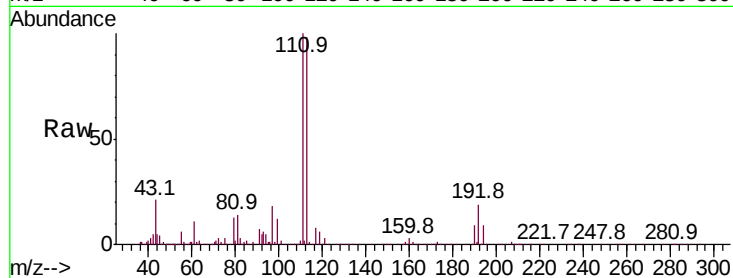




#37
Ethyl Acetate
Concen: 23.365 ug/l
RT: 4.34 min Scan# 386
Delta R.T. 0.04 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

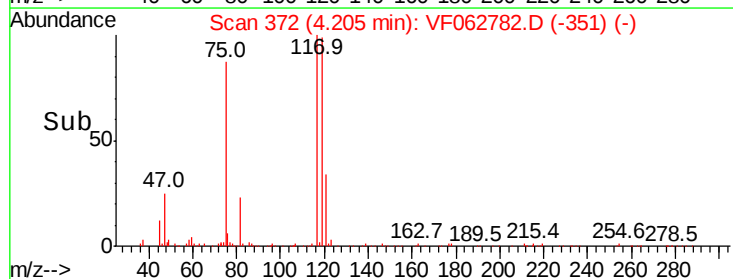
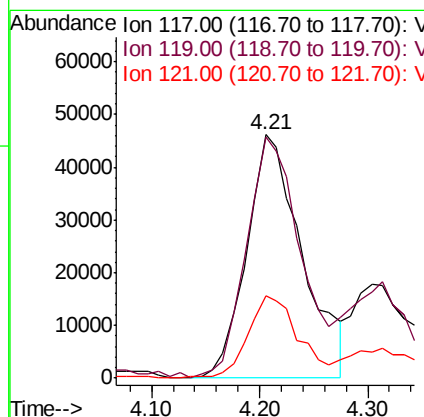
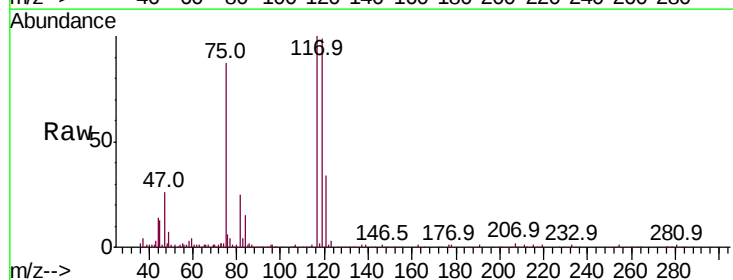
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

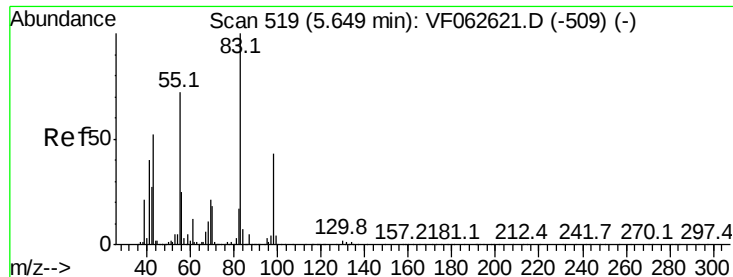
Tot Ion: 43 Resp: 110419
Ion Ratio Lower Upper
43 100
61 54.4 76.9 115.3#
70 7.1 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 19.054 ug/l
RT: 4.21 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 117 Resp: 165858
Ion Ratio Lower Upper
117 100
119 99.2 76.7 115.1
121 33.9 26.6 40.0

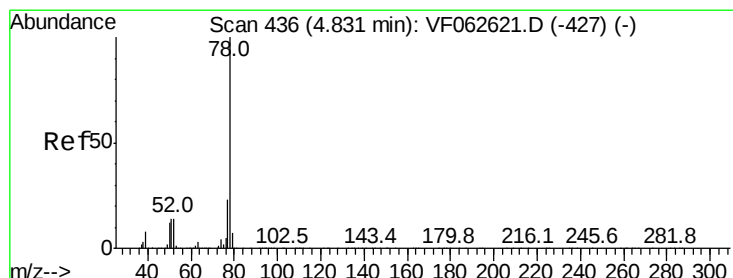
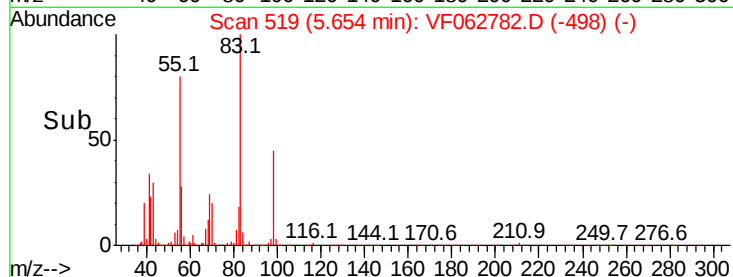
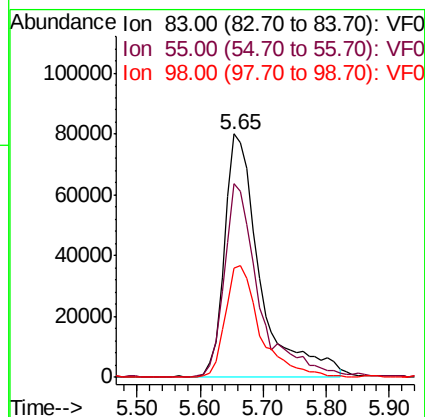
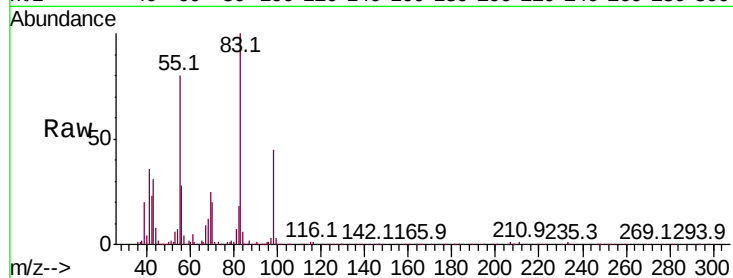




#39
Methvlcvclohexane
Concen: 22.431 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

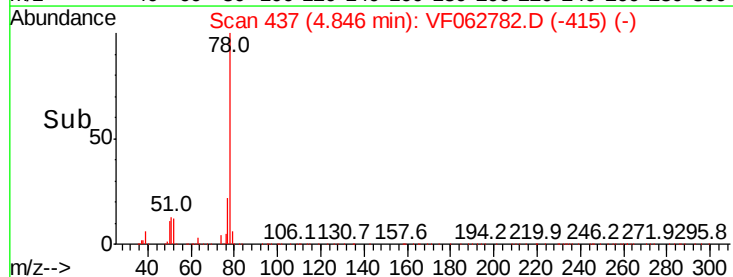
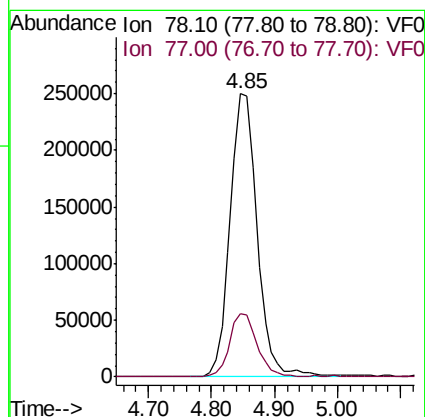
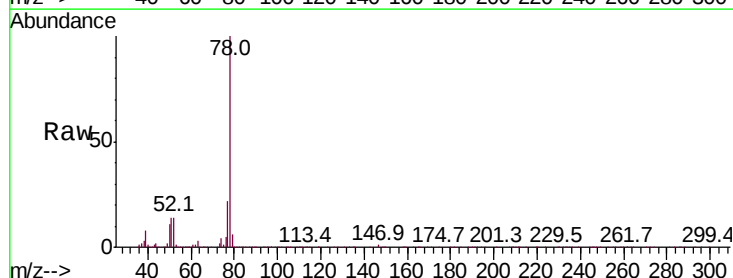
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS03

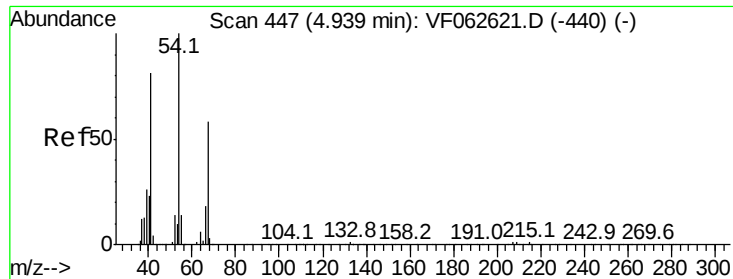
Tot Ion: 83 Resp: 312399
Ion Ratio Lower Upper
83 100
55 79.8 57.9 86.9
98 44.7 34.6 52.0



#40
Benzene
Concen: 23.551 ug/l
RT: 4.85 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 78 Resp: 742590
Ion Ratio Lower Upper
78 100
77 22.4 18.2 27.2

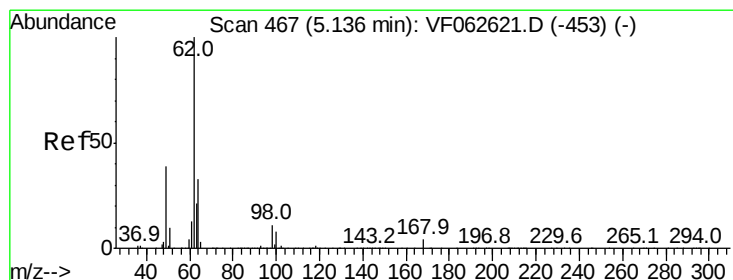
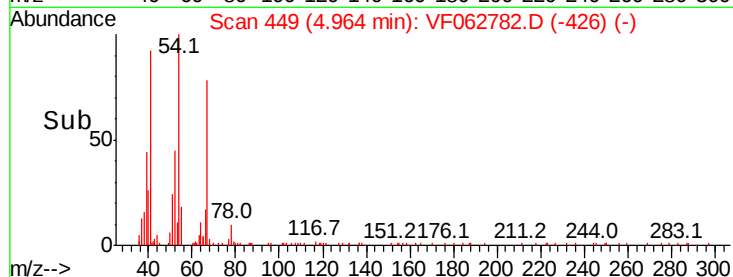
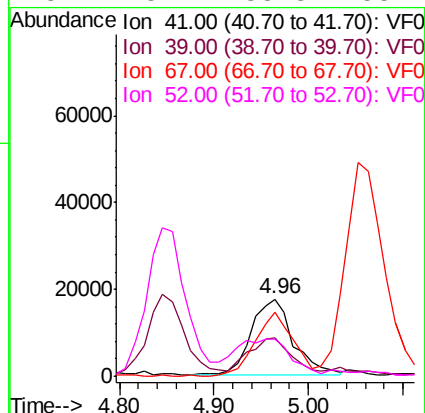
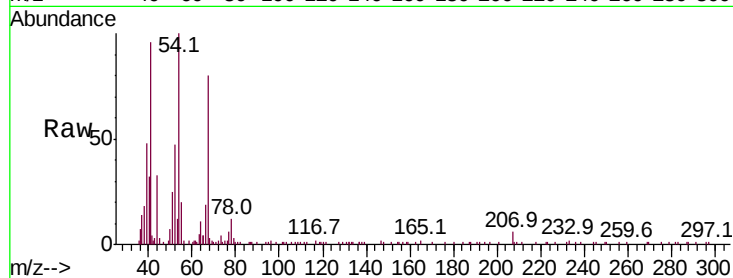




#41
Methacrylonitrile
Concen: 21.563 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

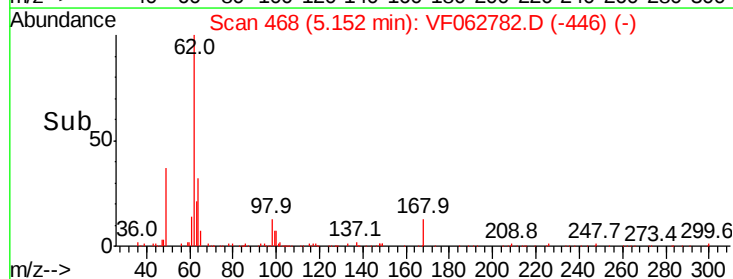
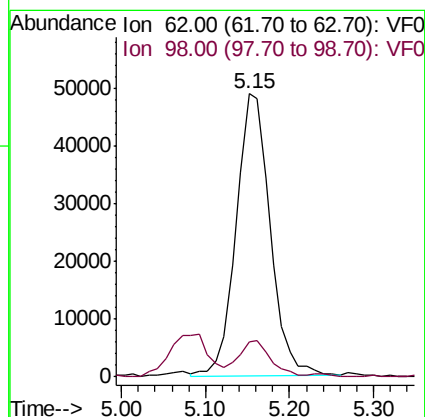
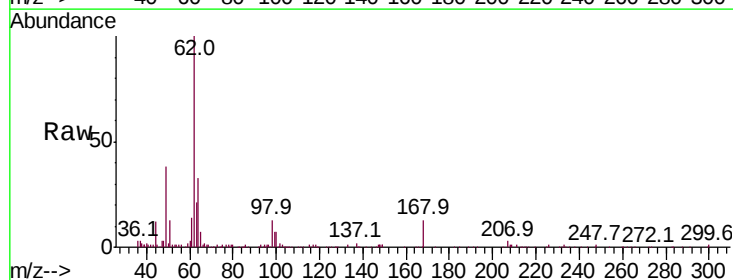
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

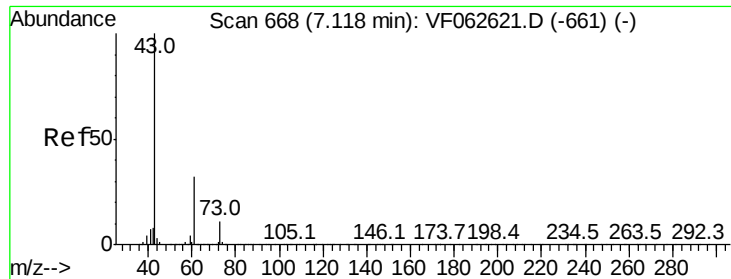
Tot Ion:	41	Resp:	53426
Ion	Ratio	Lower	Upper
41	100		
39	49.7	42.2	63.2
67	82.8	56.4	84.6
52	48.7	38.8	58.2



#42
1,2-Dichloroethane
Concen: 21.814 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion:	62	Resp:	137163
Ion	Ratio	Lower	Upper
62	100		
98	12.5	0.0	21.6



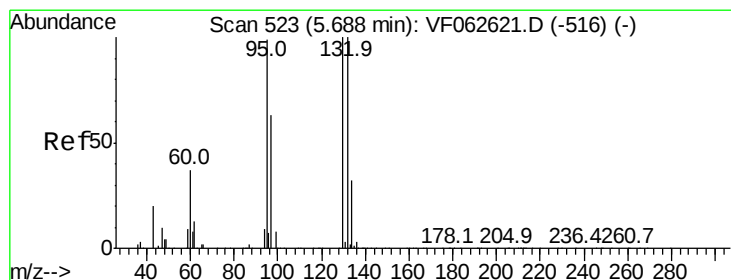
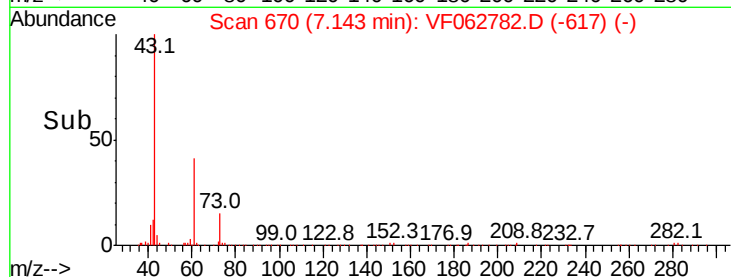
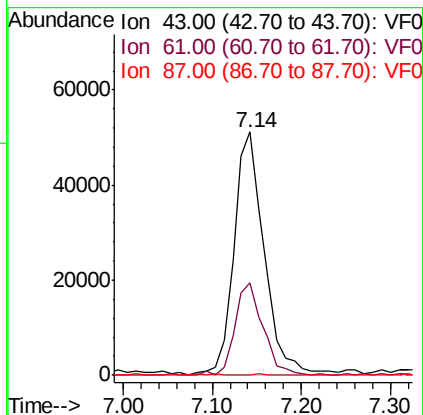
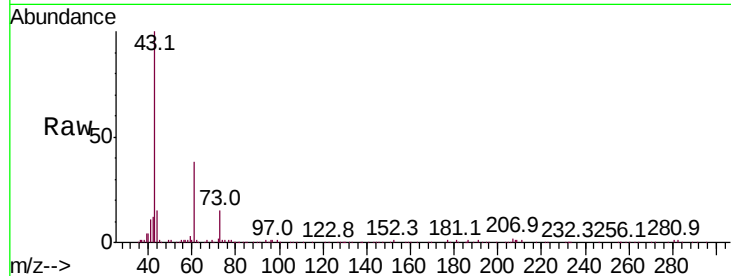


#43

Isopropyl Acetate
 Concen: 19.597 ug/l
 RT: 7.14 min Scan# 670
 Delta R.T. 0.03 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

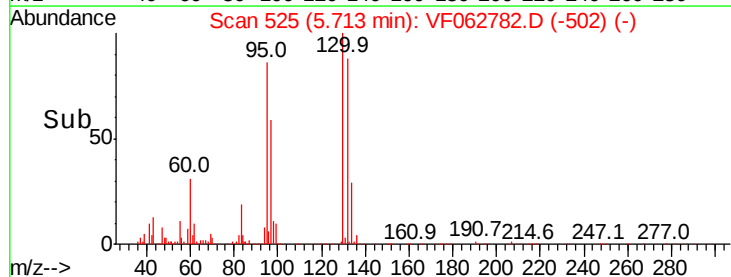
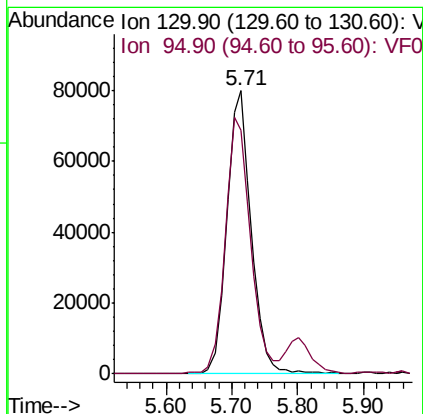
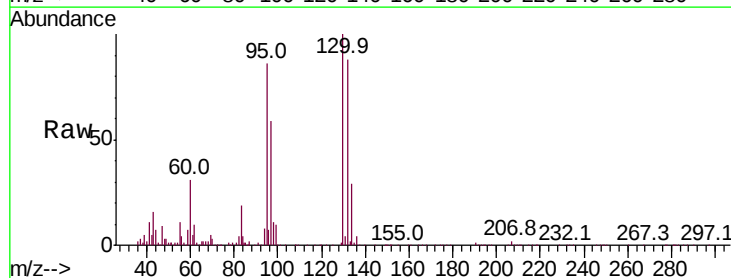
Tot Ion: 43 Resp: 119983
 Ion Ratio Lower Upper
 43 100
 61 37.8 25.8 38.8
 87 0.0 0.4 0.6#

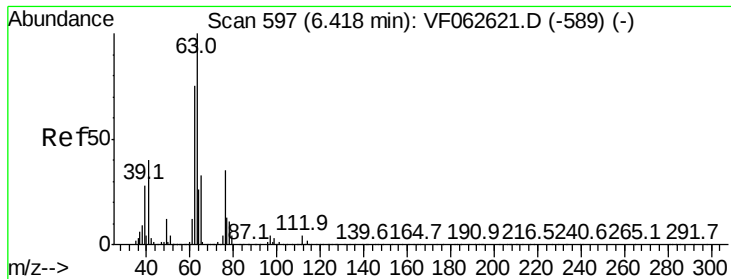


#44

Trichloroethene
 Concen: 23.350 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.03 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion: 130 Resp: 206933
 Ion Ratio Lower Upper
 130 100
 95 86.1 0.0 199.4





#45

1,2-Dichloropropane

Concen: 24.030 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

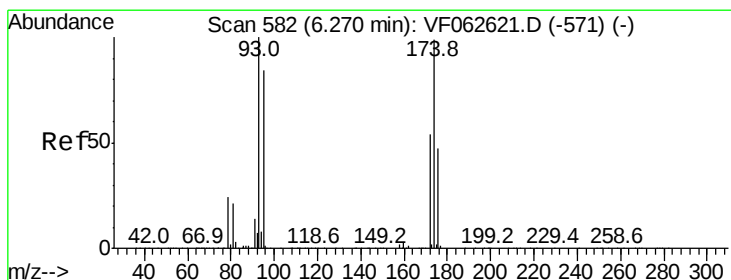
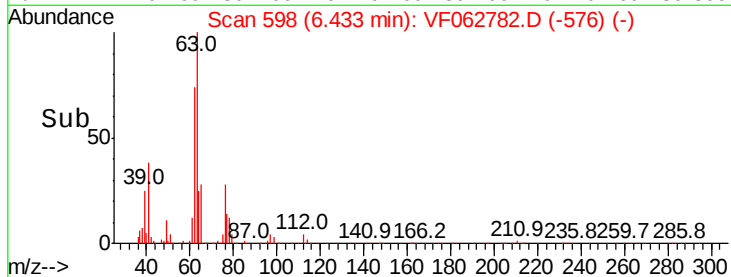
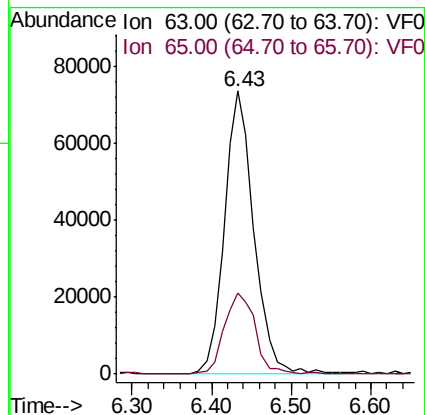
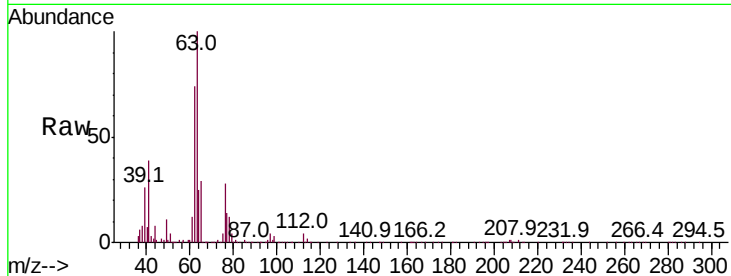
VF0529SBS03

Tot Ion: 63 Resp: 191269

Ion Ratio Lower Upper

63 100

65 28.6 26.3 39.5



#46

Dibromomethane

Concen: 23.876 ug/l

RT: 6.29 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

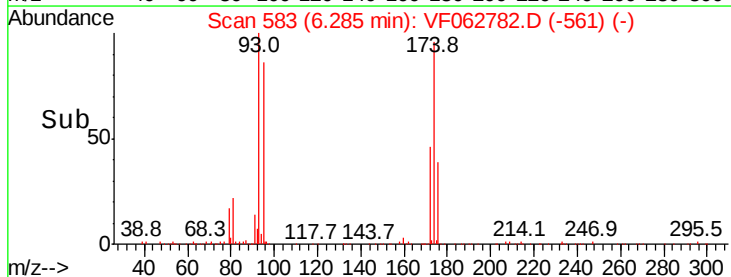
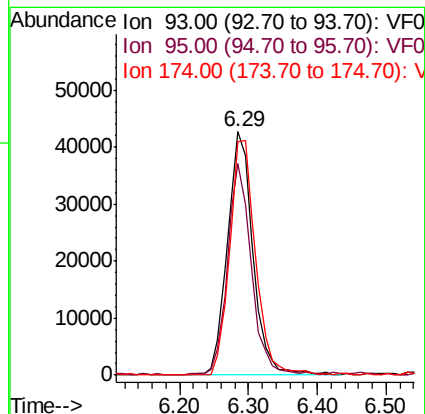
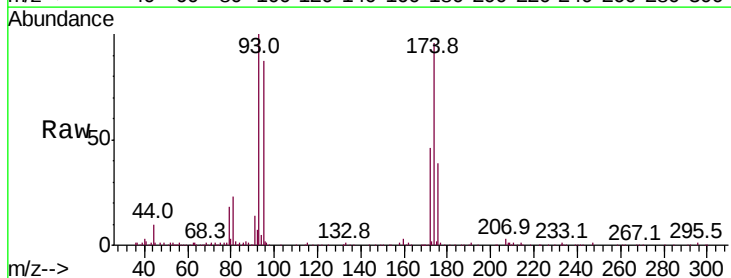
Tgt Ion: 93 Resp: 109835

Ion Ratio Lower Upper

93 100

95 88.4 67.4 101.2

174 95.6 79.4 119.2





#47

Bromodichloromethane

Concen: 23.205 ug/l

RT: 6.58 min Scan# 613

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

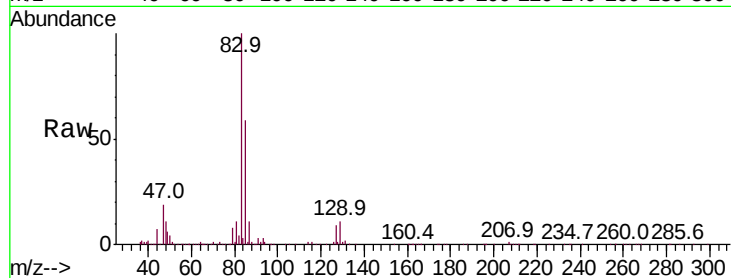
Tot Ion: 83 Resp: 221603

Ion Ratio Lower Upper

83 100

85 59.0 52.0 78.0

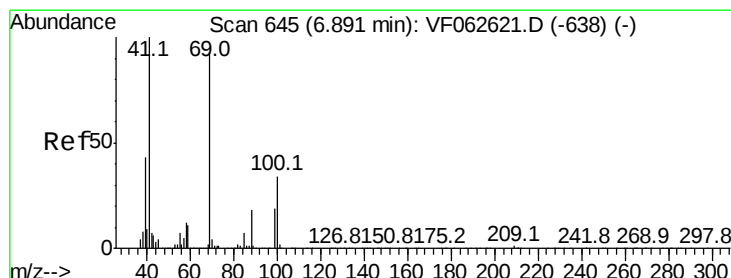
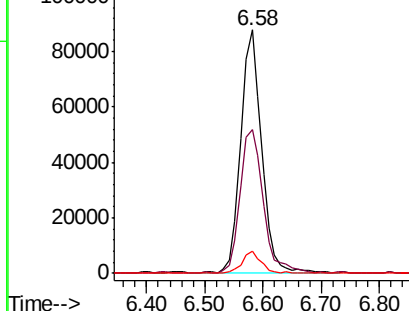
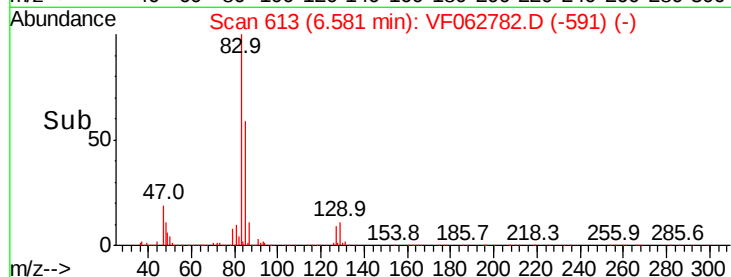
127 9.2 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 18.746 ug/l

RT: 6.91 min Scan# 646

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

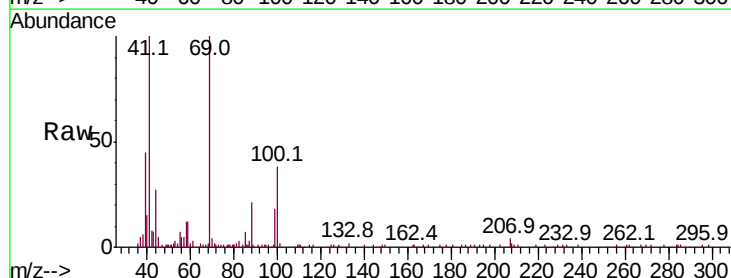
Tgt Ion: 41 Resp: 59991

Ion Ratio Lower Upper

41 100

69 99.6 74.2 111.2

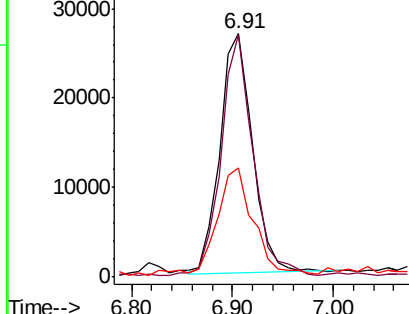
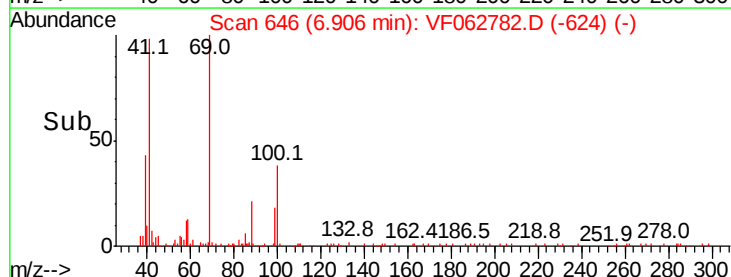
39 45.0 34.2 51.4

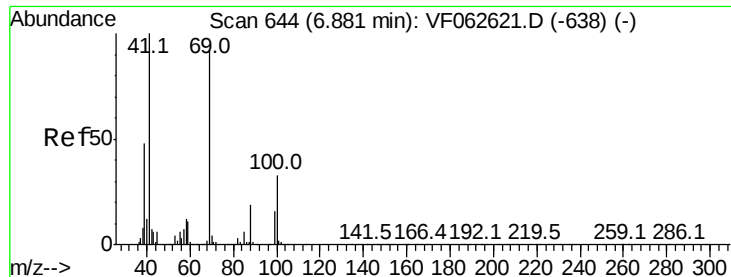


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

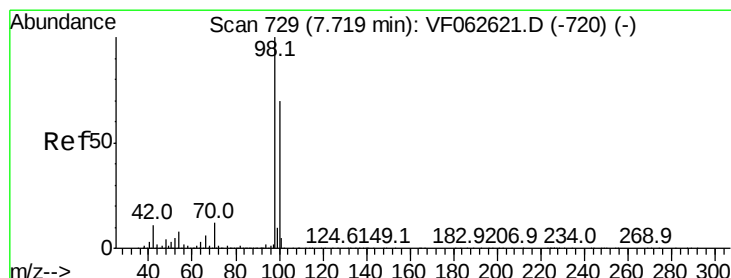
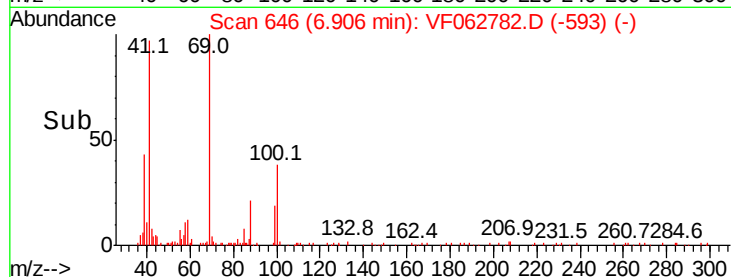
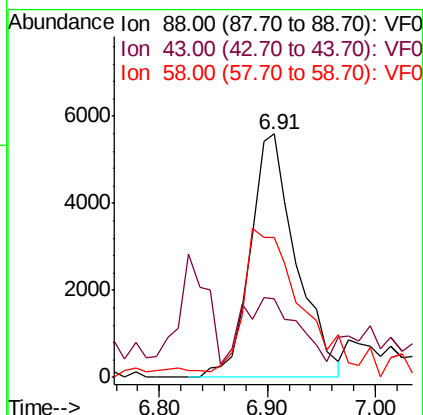
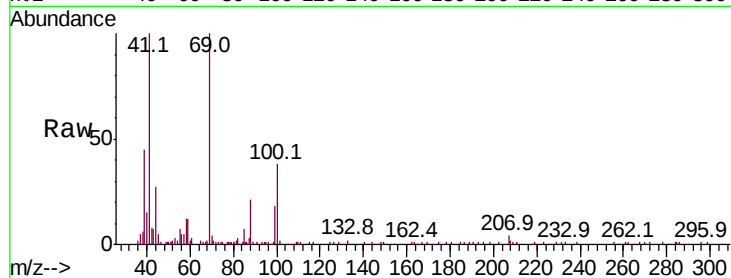




#49
1,4-Dioxane
Concen: 400.274 ug/l
RT: 6.91 min Scan# 646
Delta R.T. 0.03 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

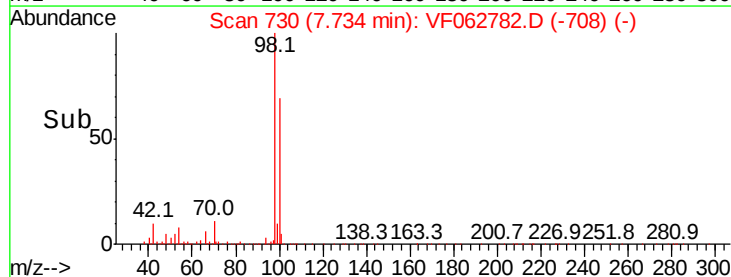
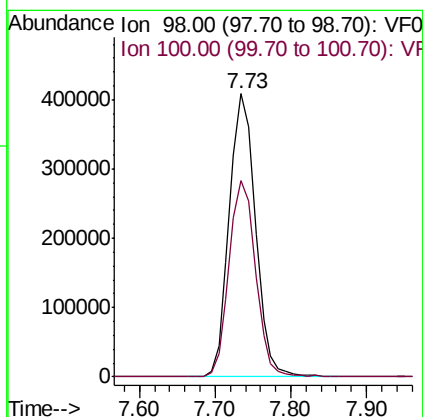
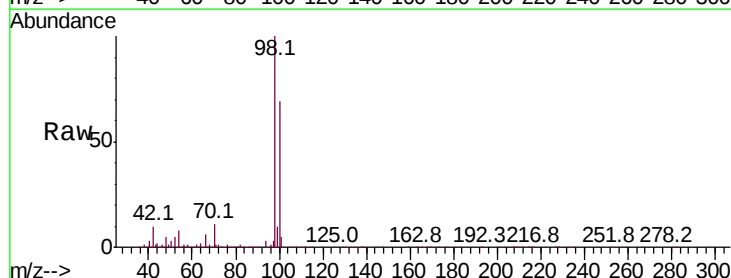
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

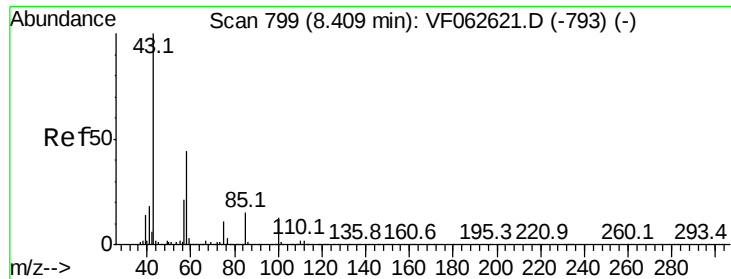
Tot Ion: 88 Resp: 16406
Ion Ratio Lower Upper
88 100
43 32.4 30.0 45.0
58 57.7 51.1 76.7



#50
Toluene-d8
Concen: 47.688 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 98 Resp: 984125
Ion Ratio Lower Upper
98 100
100 69.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 108.354 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

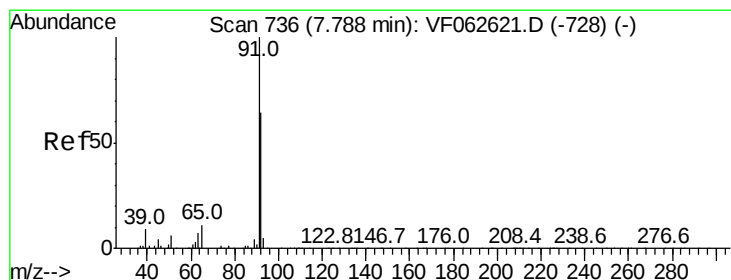
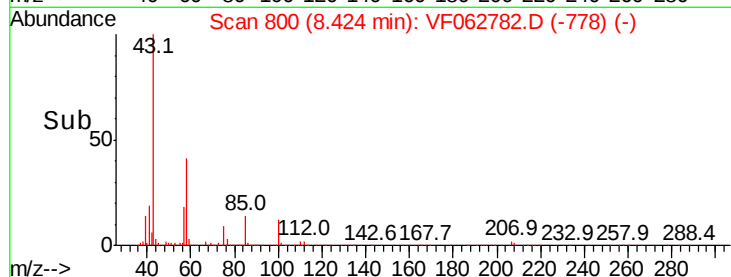
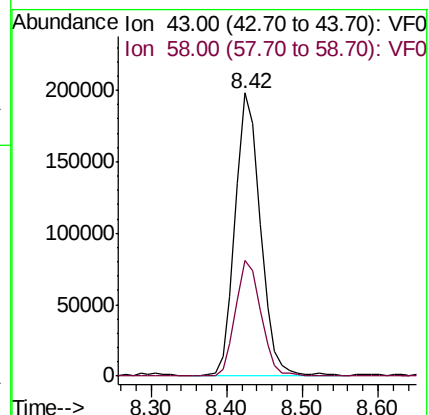
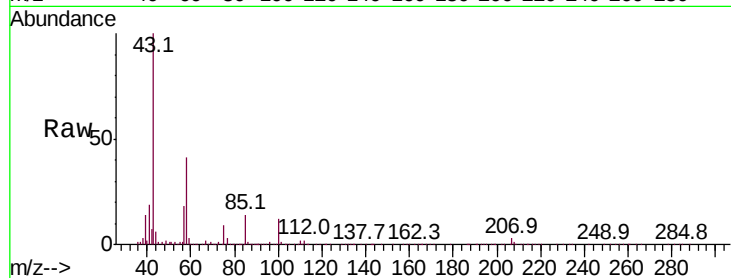
VF0529SBSD03

Tot Ion: 43 Resp: 453459

Ion Ratio Lower Upper

43 100

58 41.1 34.9 52.3



#52

Toluene

Concen: 23.524 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.02 min

Lab File: VF062782.D

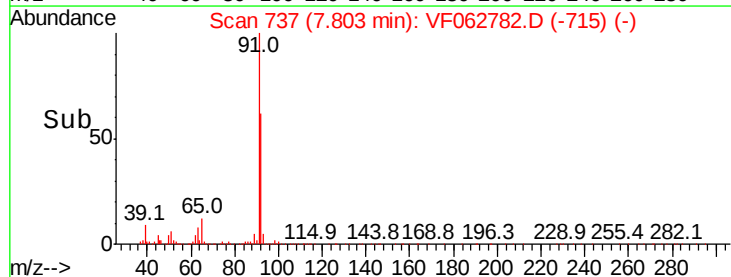
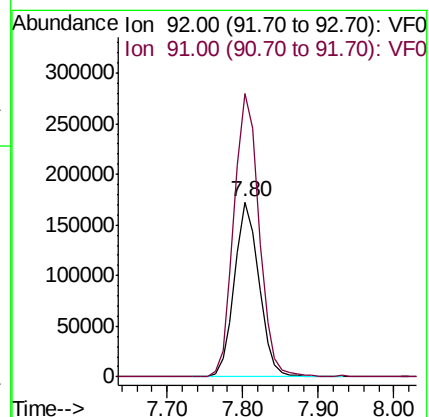
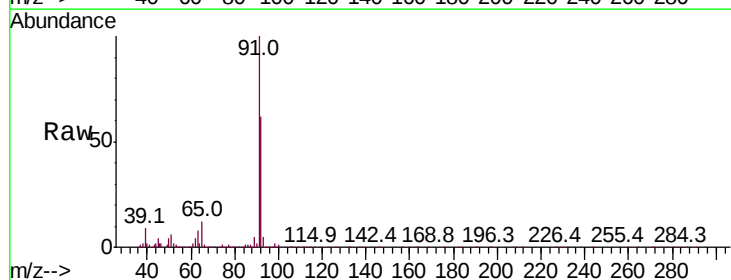
Acq: 29 May 2019 15:10

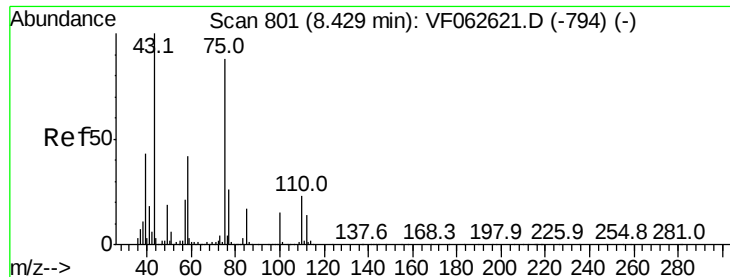
Tgt Ion: 92 Resp: 389002

Ion Ratio Lower Upper

92 100

91 161.7 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 22.917 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

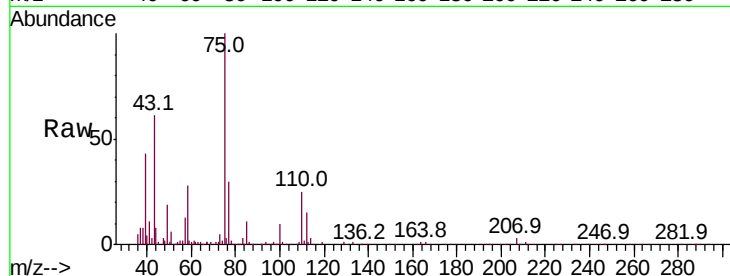
VF0529SBS03

Tot Ion: 75 Resp: 179047

Ion Ratio Lower Upper

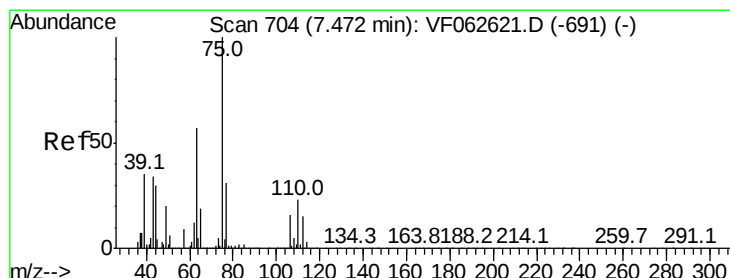
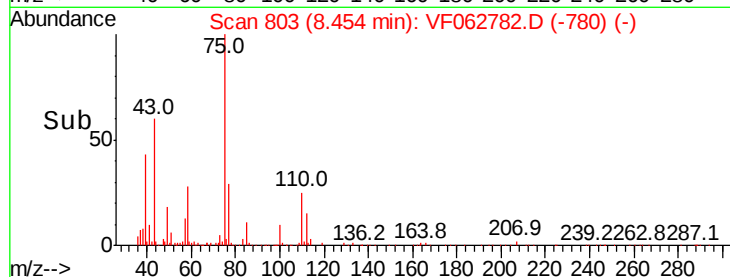
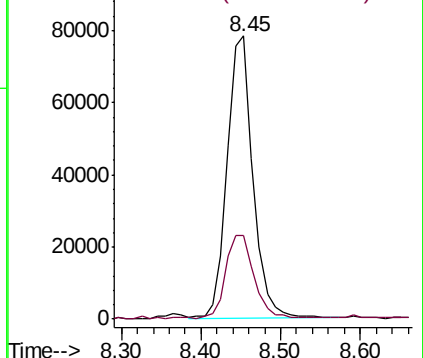
75 100

77 29.7 24.2 36.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 23.752 ug/l

RT: 7.49 min Scan# 705

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

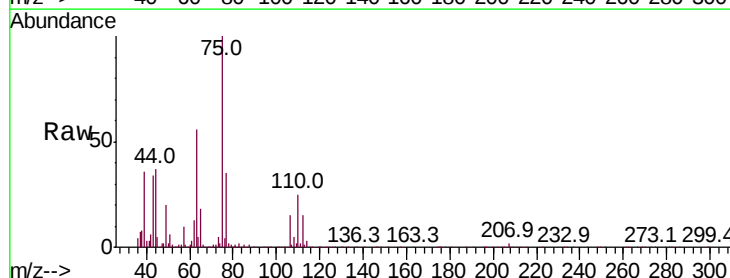
Tgt Ion: 75 Resp: 259769

Ion Ratio Lower Upper

75 100

77 35.3 25.3 37.9

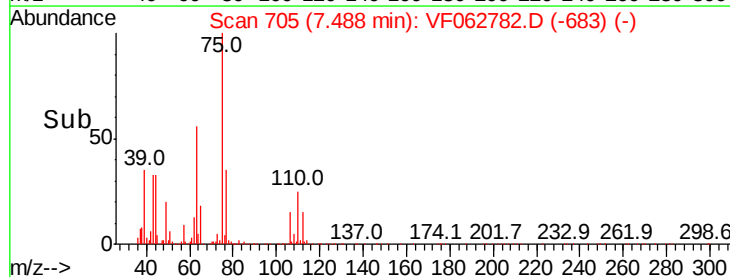
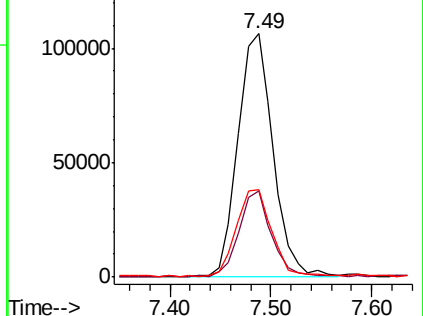
39 35.7 28.2 42.2

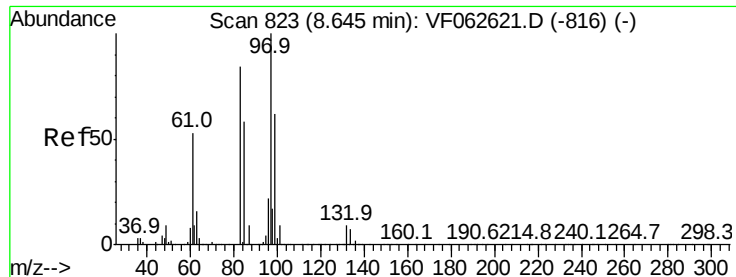


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 23.693 ug/l

RT: 8.66 min Scan# 824

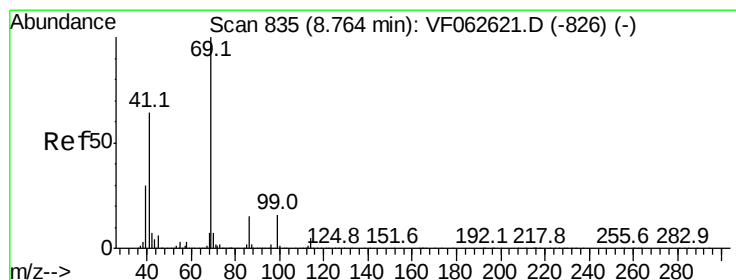
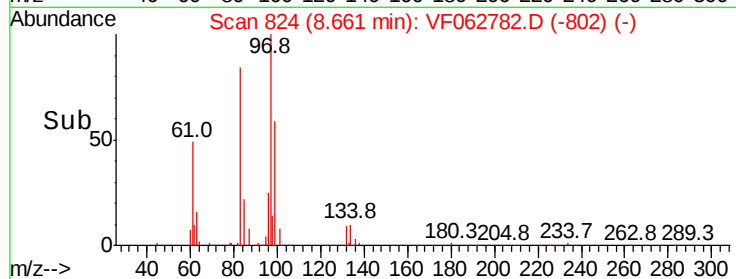
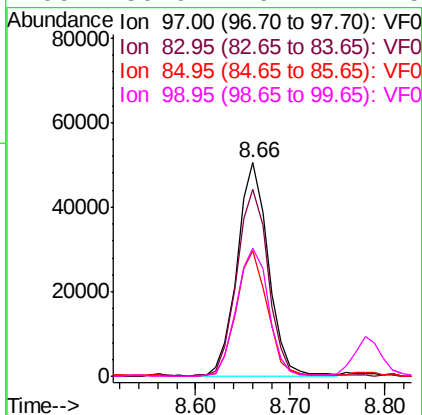
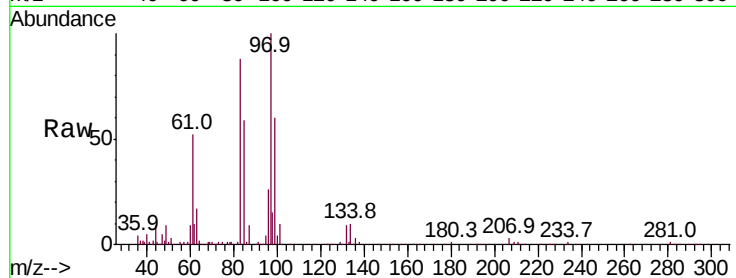
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

Tot Ion:	97	Resp:	116009
Ion	Ratio	Lower	Upper
97	100		
83	87.7	67.3	100.9
85	59.0	46.6	69.8
99	59.9	49.7	74.5



#56

Ethyl methacrylate

Concen: 20.499 ug/l

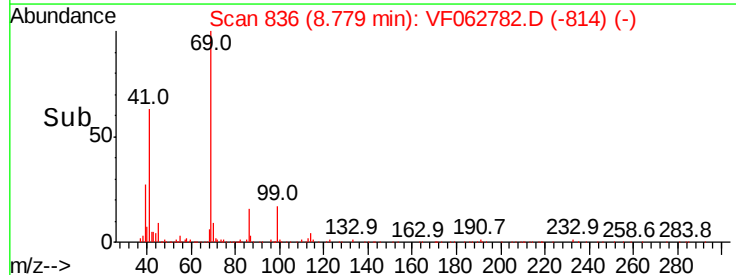
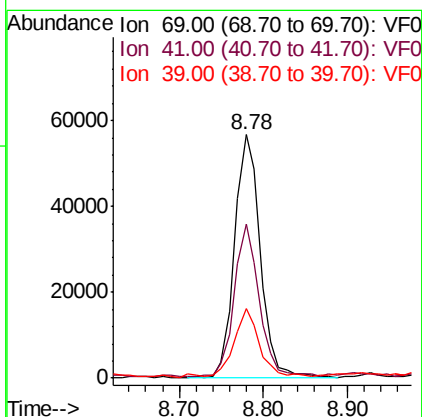
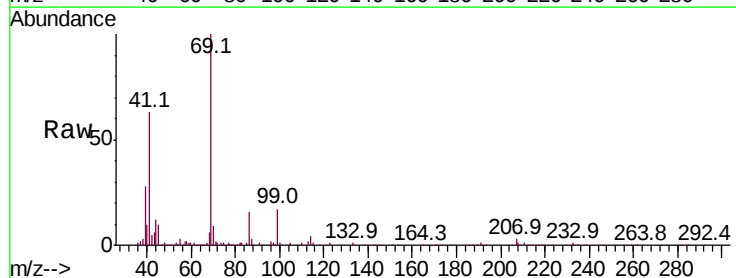
RT: 8.78 min Scan# 836

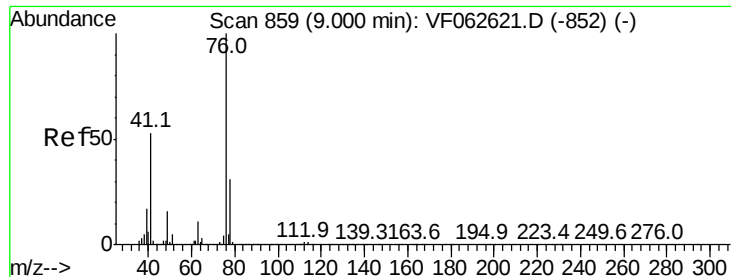
Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion:	69	Resp:	119579
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.4	77.2
39	28.5	23.6	35.4





#57

1,3-Dichloropropane

Concen: 23.502 ug/l

RT: 9.02 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

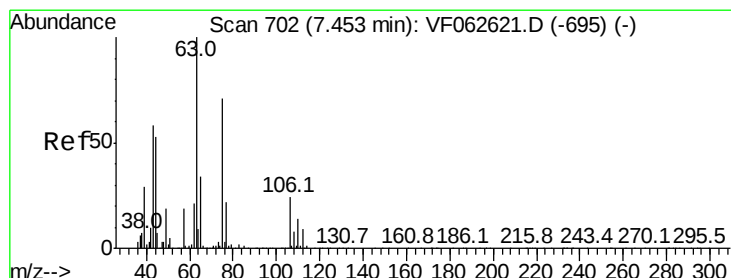
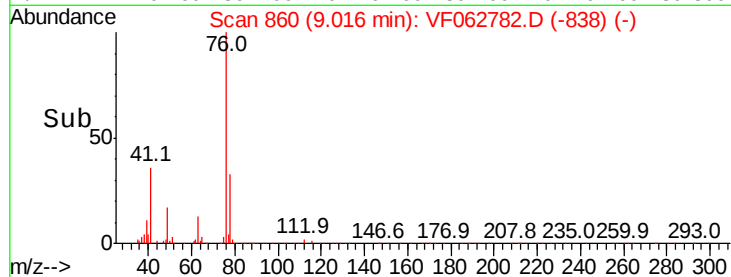
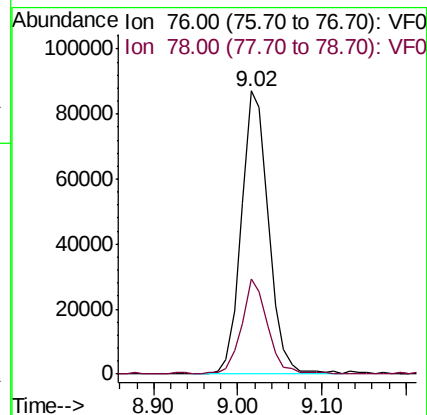
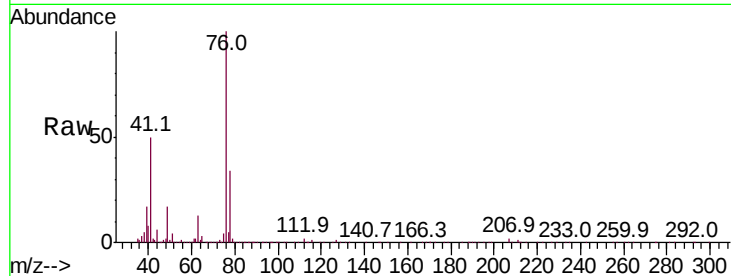
VF0529SBSD03

Tot Ion: 76 Resp: 196006

Ion Ratio Lower Upper

76 100

78 33.6 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 110.448 ug/l

RT: 7.48 min Scan# 704

Delta R.T. 0.03 min

Lab File: VF062782.D

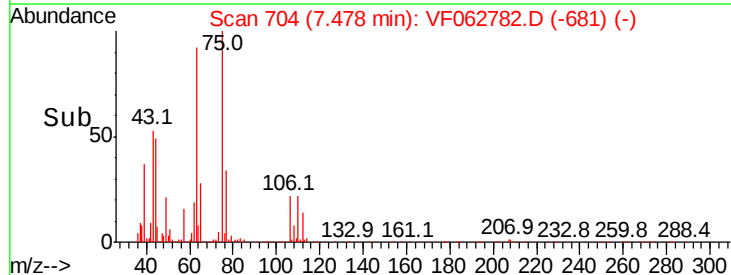
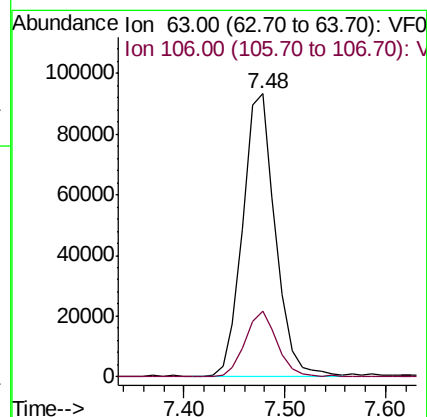
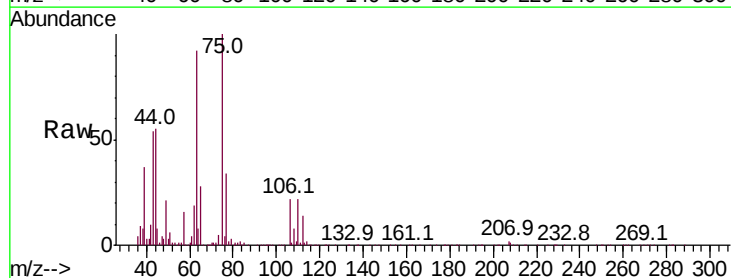
Acq: 29 May 2019 15:10

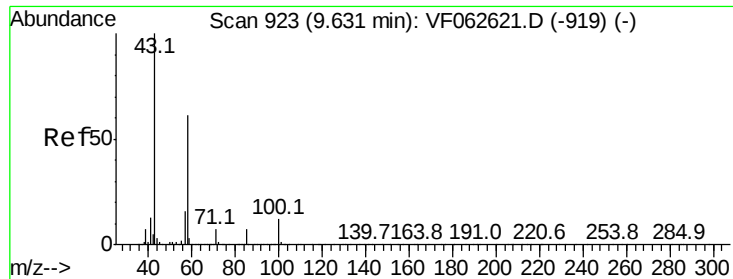
Tgt Ion: 63 Resp: 209712

Ion Ratio Lower Upper

63 100

106 23.4 19.1 28.7

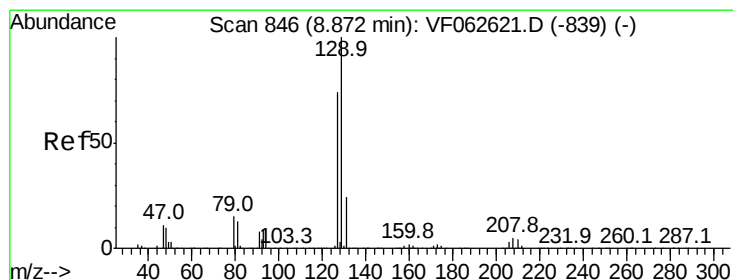
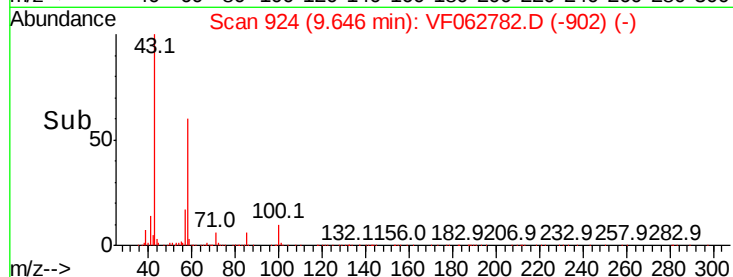
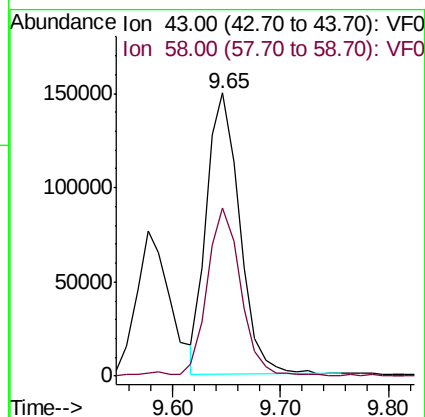
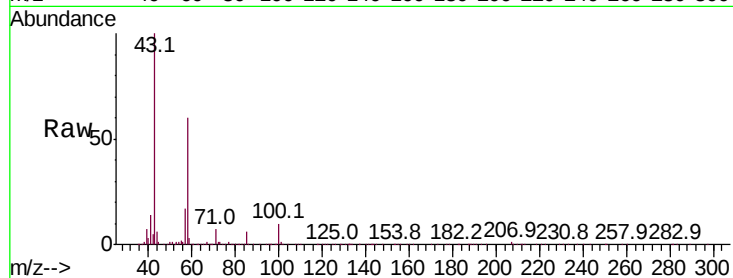




#59
2-Hexanone
Concen: 106.395 ug/l
RT: 9.65 min Scan# 924
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

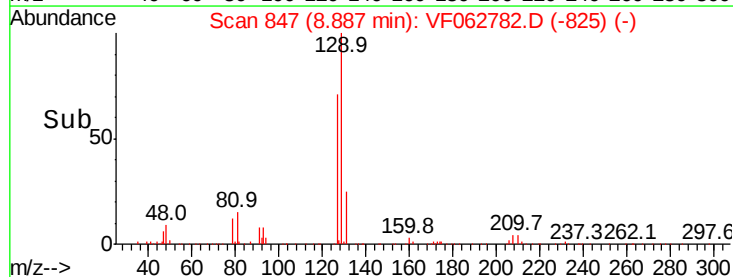
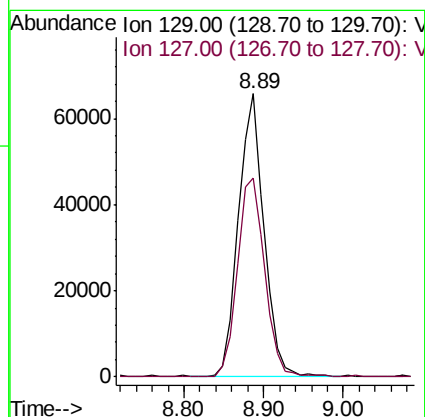
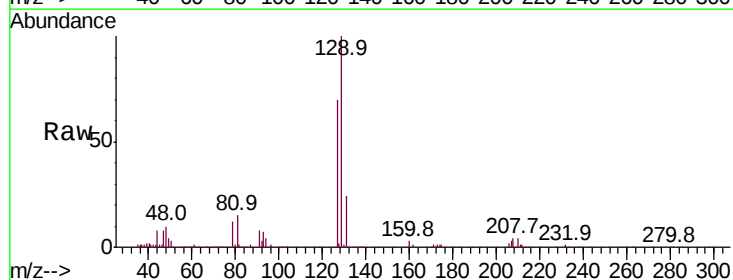
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

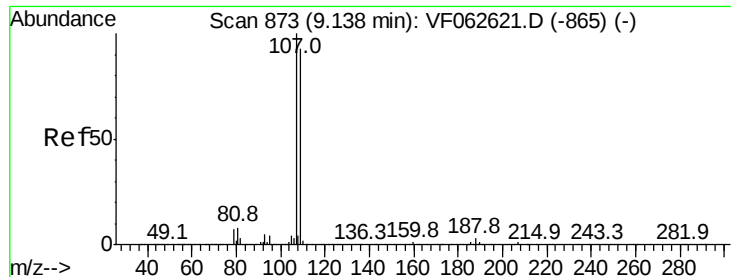
Tot Ion: 43 Resp: 317570
Ion Ratio Lower Upper
43 100
58 59.6 28.1 84.4



#60
Dibromochloromethane
Concen: 23.001 ug/l
RT: 8.89 min Scan# 847
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 129 Resp: 146781
Ion Ratio Lower Upper
129 100
127 72.1 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.560 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

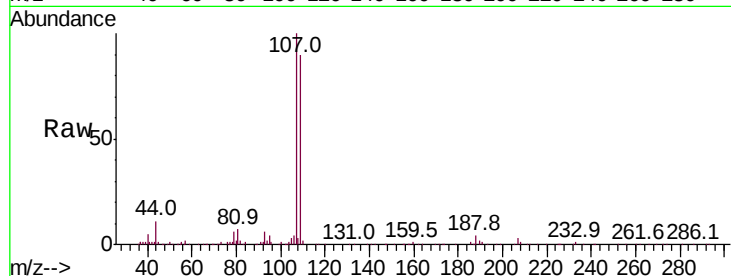
VF0529SBSD03

Tot Ion:107 Resp: 122525

Ion Ratio Lower Upper

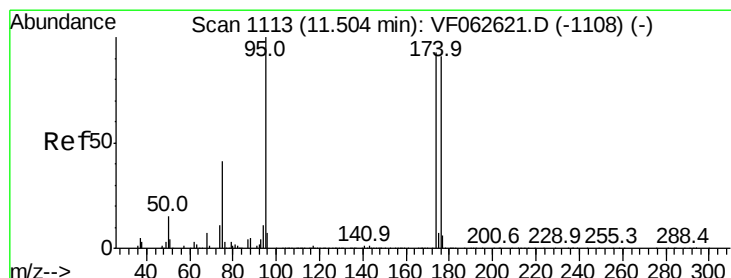
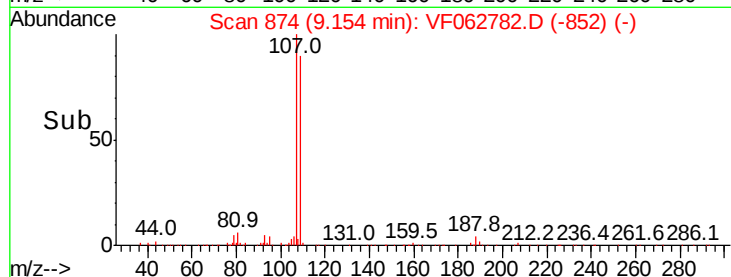
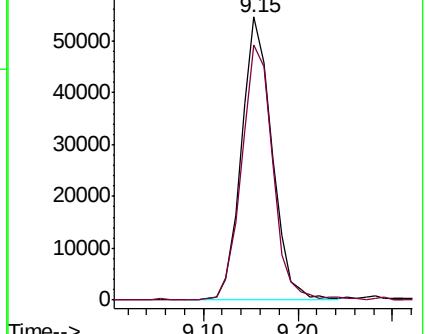
107 100

109 90.3 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.121 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

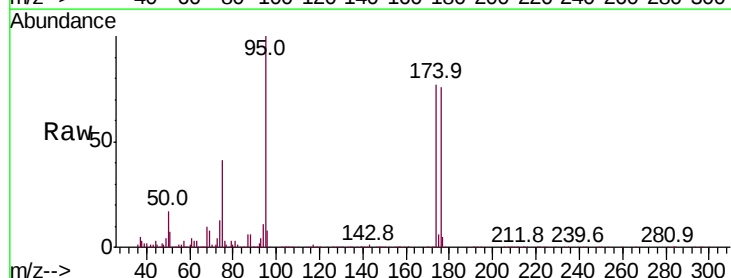
Tgt Ion: 95 Resp: 360990

Ion Ratio Lower Upper

95 100

174 77.5 0.0 185.6

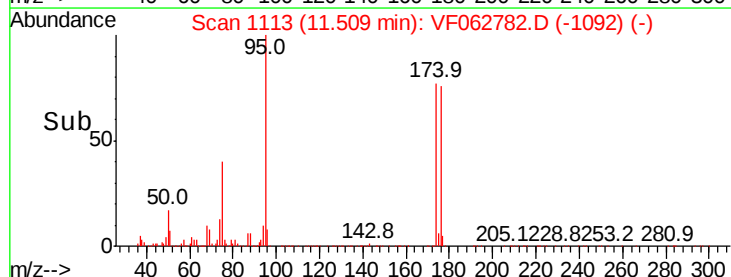
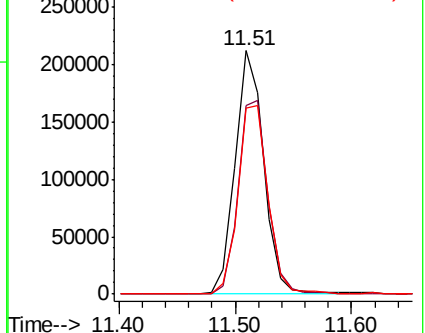
176 76.3 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

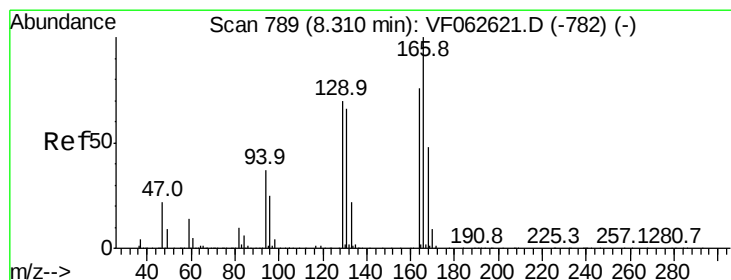
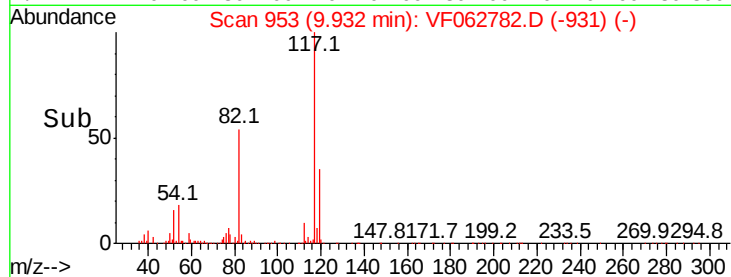
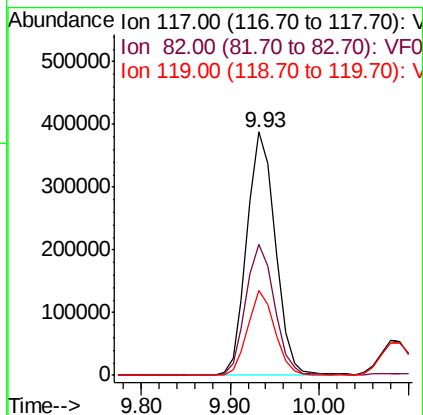
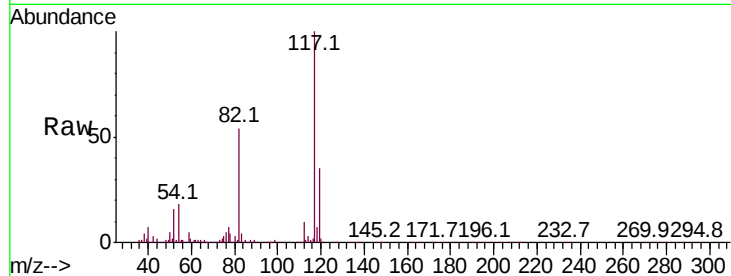




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

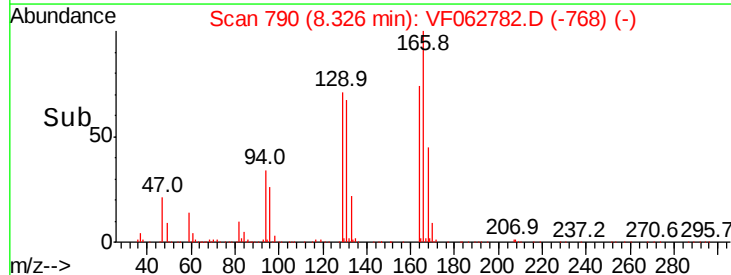
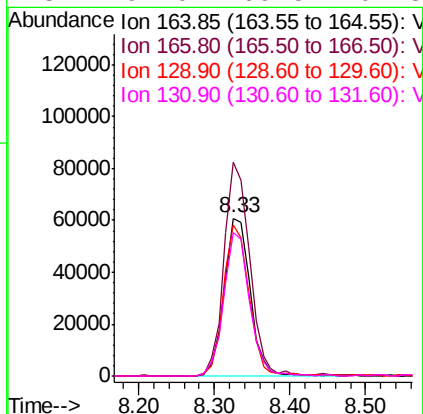
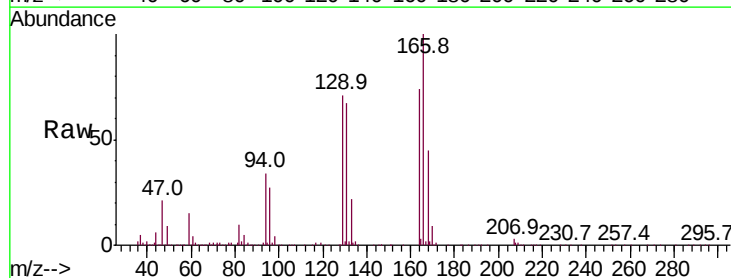
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

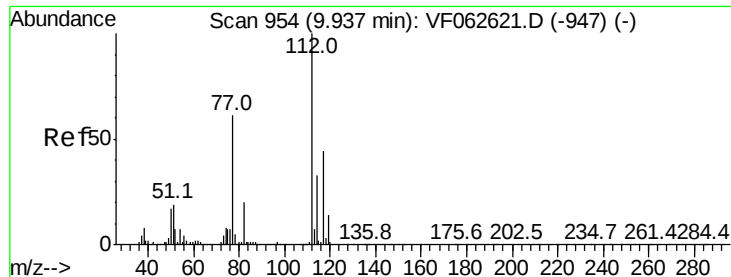
Tot Ion:117 Resp: 858402
Ion Ratio Lower Upper
117 100
82 53.9 43.3 64.9
119 34.7 27.4 41.0



#64
Tetrachloroethene
Concen: 21.343 ug/l
RT: 8.33 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion:164 Resp: 145143
Ion Ratio Lower Upper
164 100
166 135.6 105.5 158.3
129 96.1 73.8 110.6
131 91.0 69.5 104.3





#65

Chlorobenzene

Concen: 23.647 ug/l

RT: 9.96 min Scan# 956

Delta R.T. 0.03 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

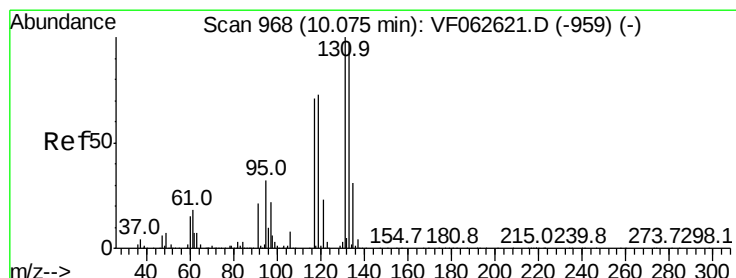
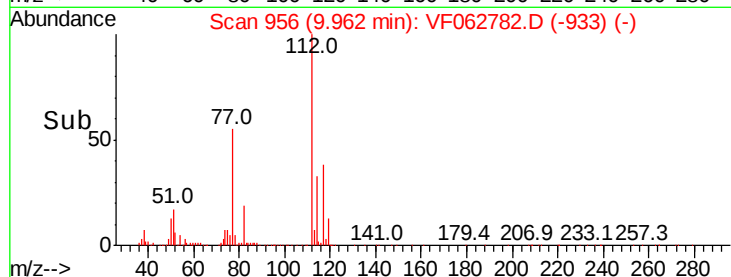
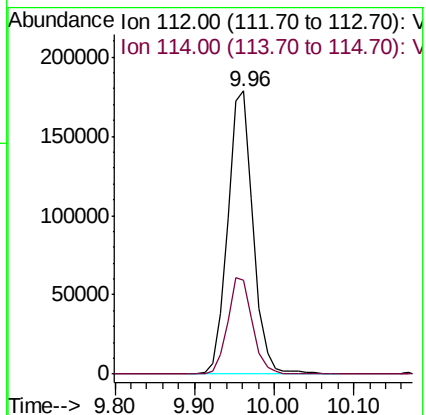
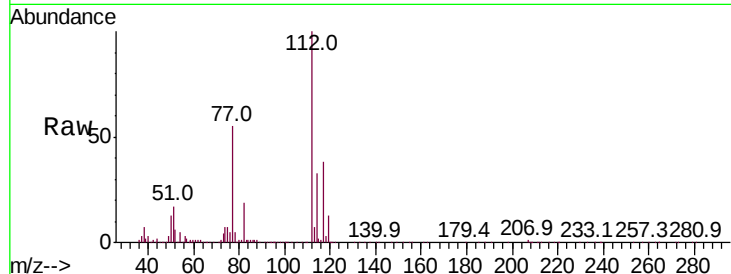
VF0529SBS03

Tot Ion:112 Resp: 398686

Ion Ratio Lower Upper

112 100

114 33.2 26.8 40.2



#66

1,1,1,2-Tetrachloroethane

Concen: 24.038 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

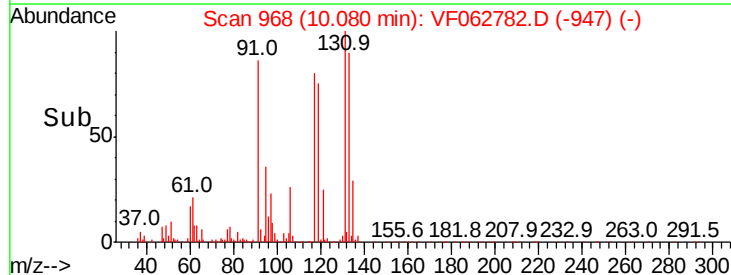
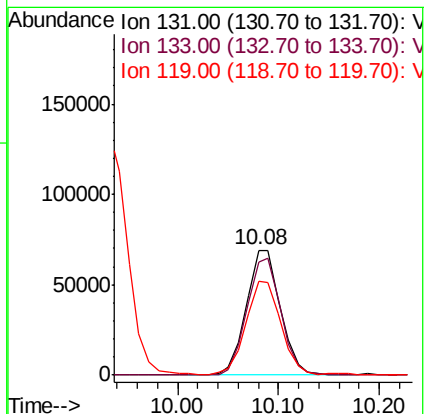
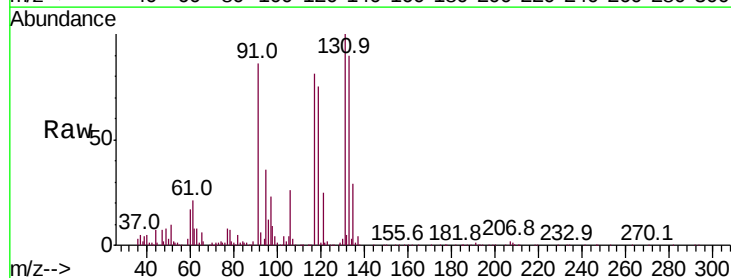
Tgt Ion:131 Resp: 162697

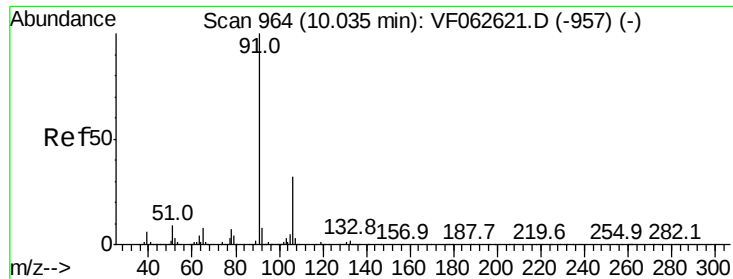
Ion Ratio Lower Upper

131 100

133 90.3 48.5 145.5

119 74.9 36.8 110.4





#67

Ethyl Benzene

Concen: 24.180 ug/l

RT: 10.05 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

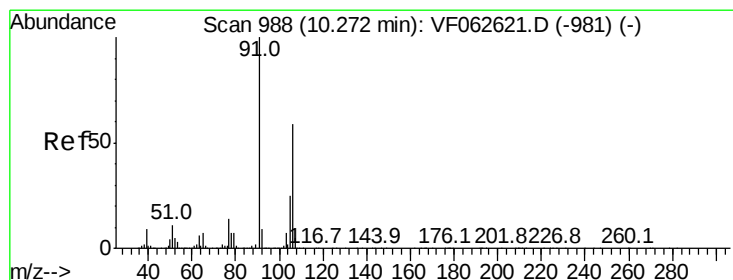
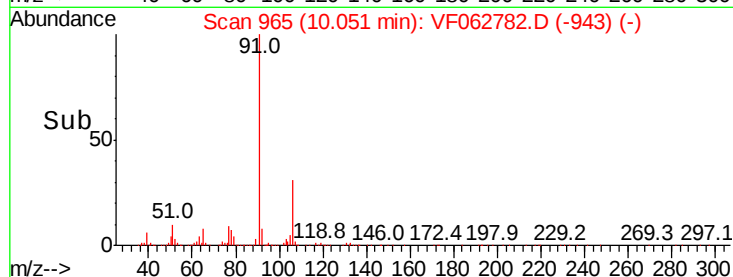
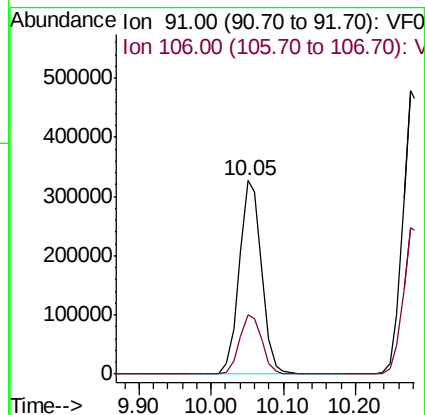
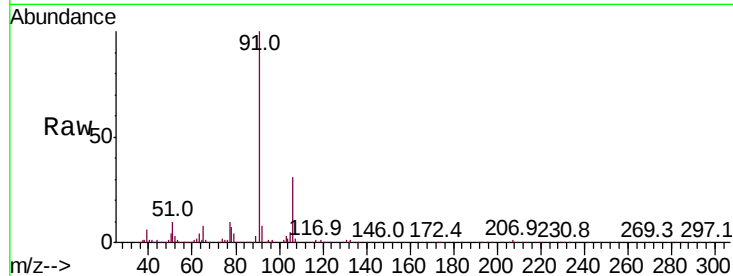
VF0529SBSD03

Tot Ion: 91 Resp: 708211

Ion Ratio Lower Upper

91 100

106 30.7 25.8 38.8



#68

m/p-Xylenes

Concen: 48.626 ug/l

RT: 10.28 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062782.D

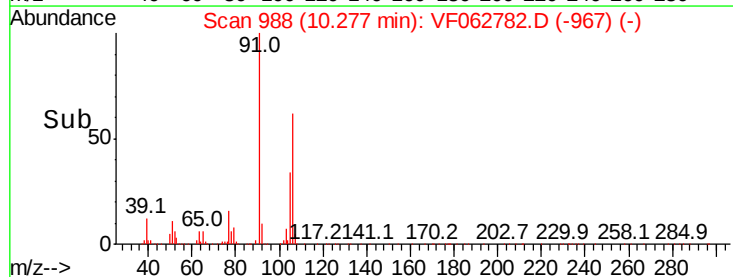
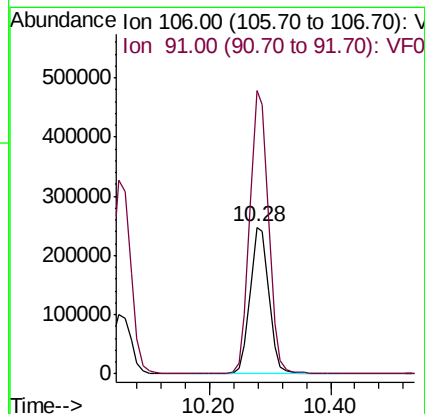
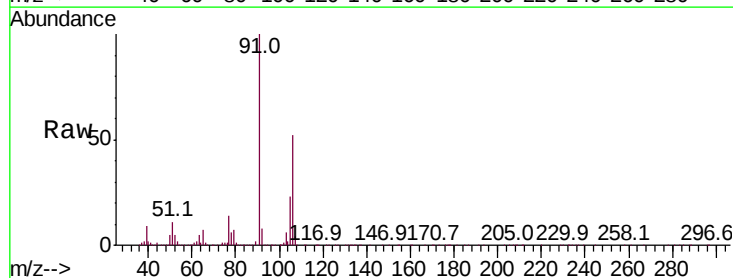
Acq: 29 May 2019 15:10

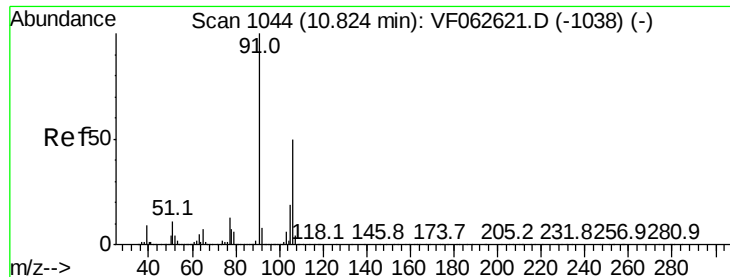
Tgt Ion:106 Resp: 535289

Ion Ratio Lower Upper

106 100

91 193.3 136.9 205.3

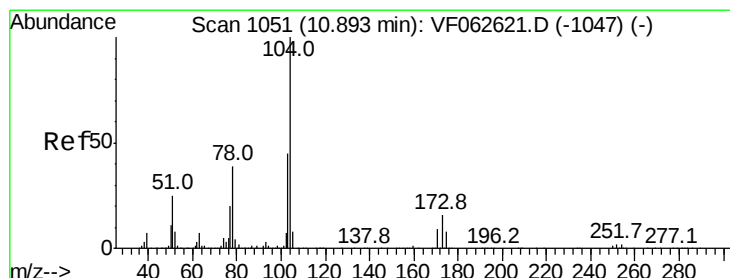
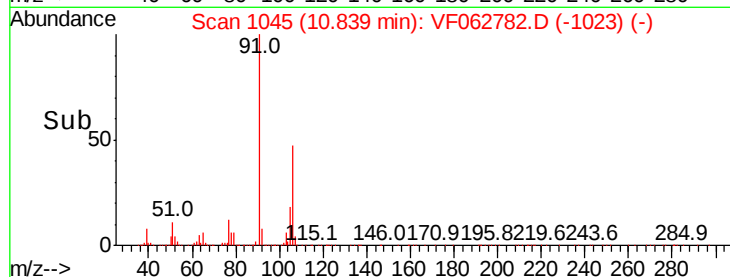
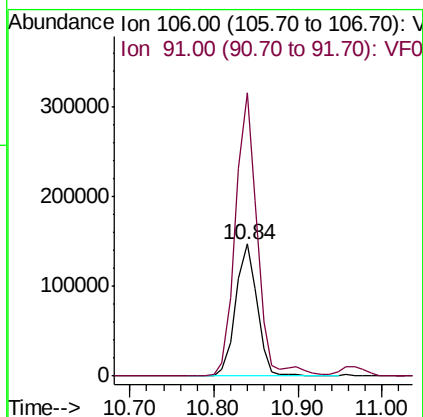
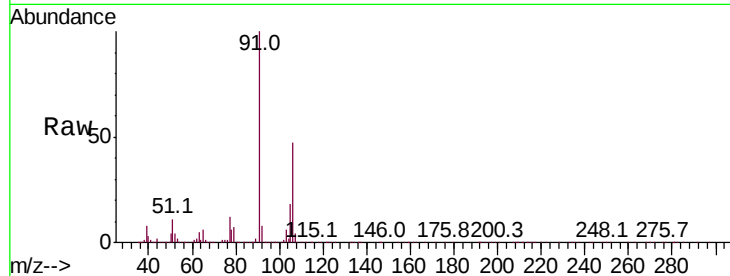




#69
o-Xylene
Concen: 23.121 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

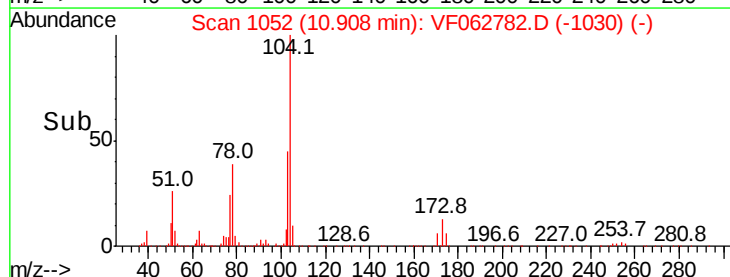
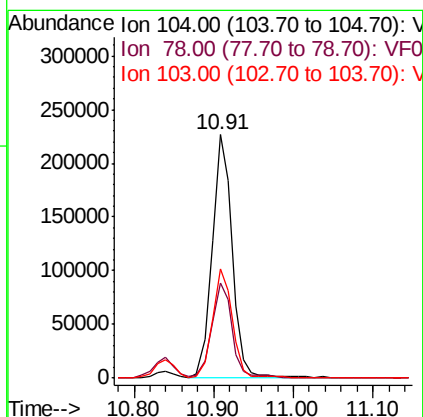
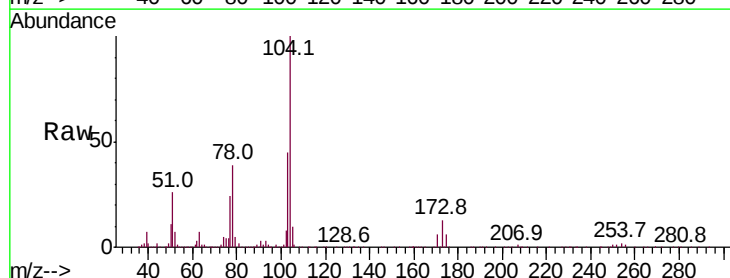
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

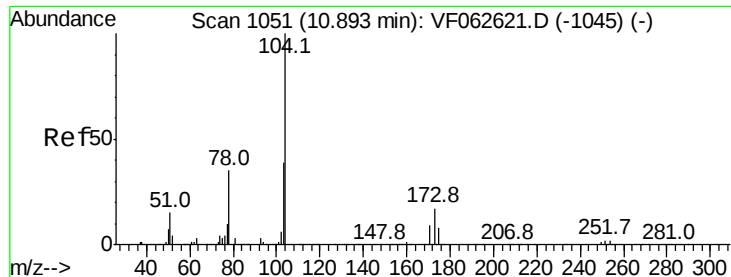
Tot Ion:106 Resp: 262156
Ion Ratio Lower Upper
106 100
91 214.3 100.2 300.5



#70
Styrene
Concen: 23.220 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion:104 Resp: 400167
Ion Ratio Lower Upper
104 100
78 39.1 31.9 47.9
103 45.1 36.1 54.1





#71

Bromoform

Concen: 23.279 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBSD03

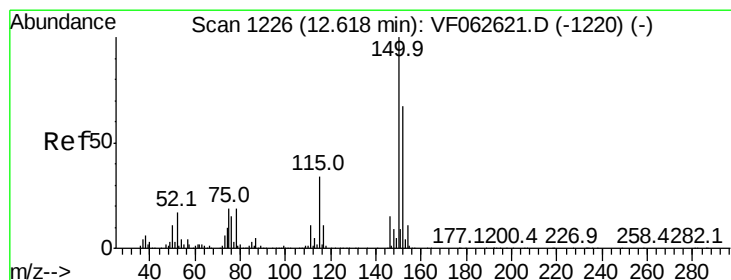
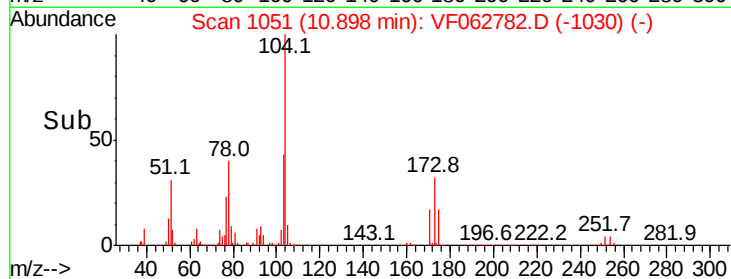
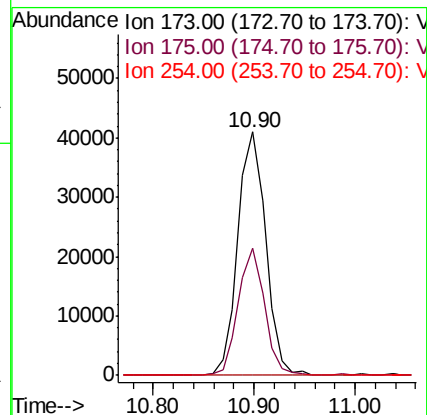
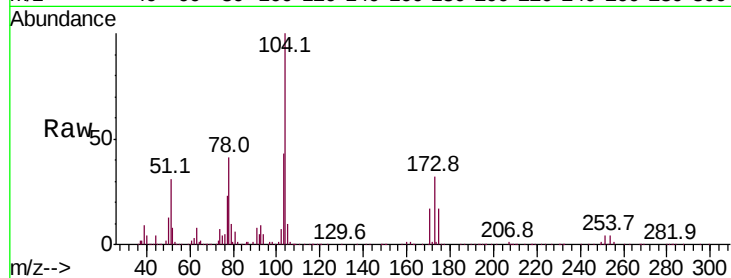
Tot Ion:173 Resp: 78911

Ion Ratio Lower Upper

173 100

175 52.4 25.3 75.9

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

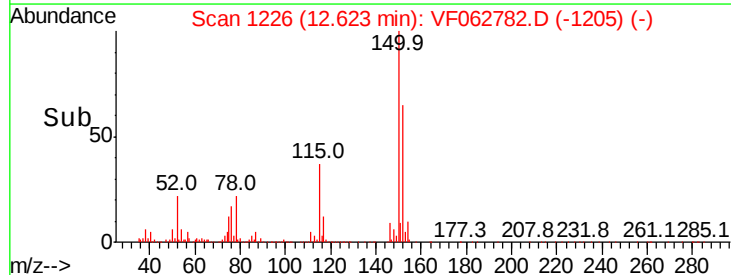
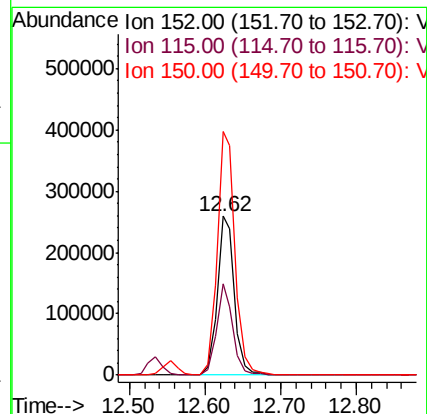
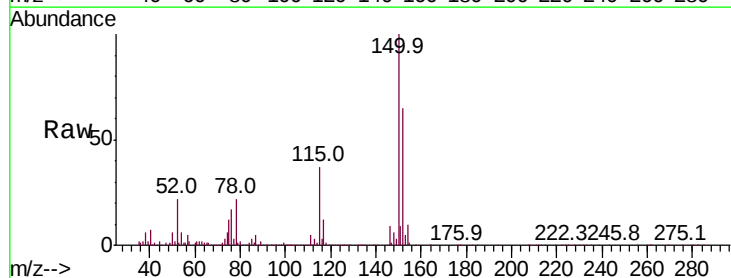
Tgt Ion:152 Resp: 410769

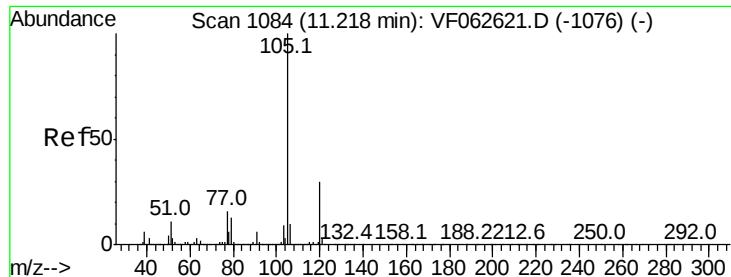
Ion Ratio Lower Upper

152 100

115 57.2 25.2 75.6

150 153.1 0.0 306.2





#73

Isopropylbenzene

Concen: 24.232 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

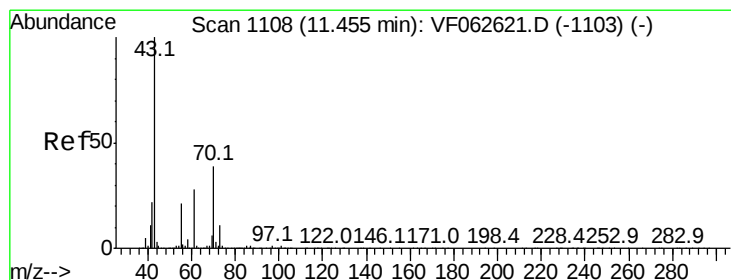
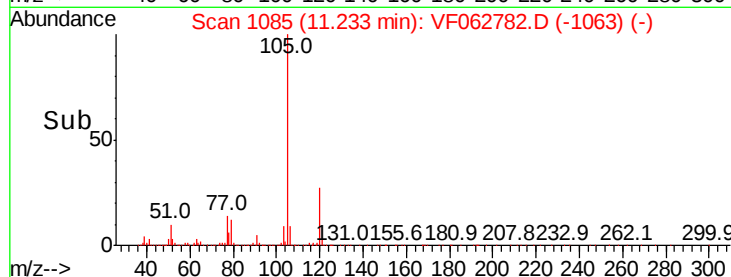
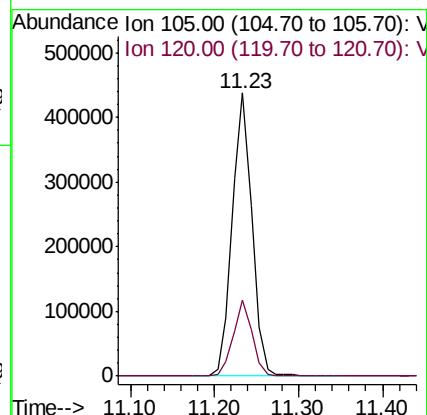
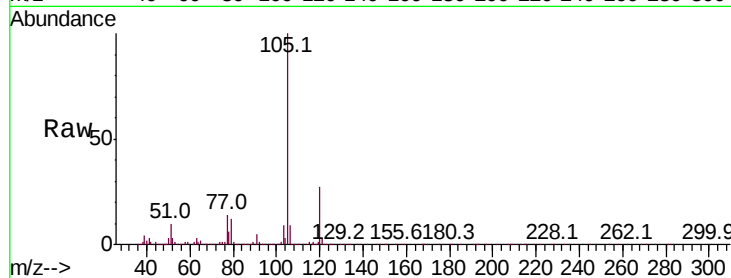
VF0529SBS03

Tot Ion:105 Resp: 713400

Ion Ratio Lower Upper

105 100

120 26.9 14.8 44.4



#74

N-ethyl acetate

Concen: 23.838 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Tgt Ion: 43 Resp: 199716

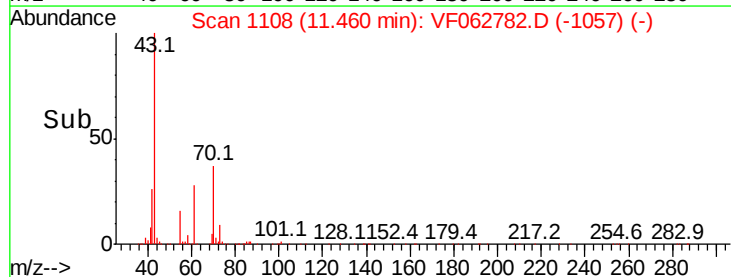
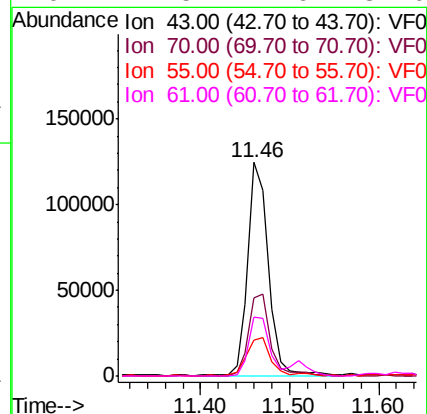
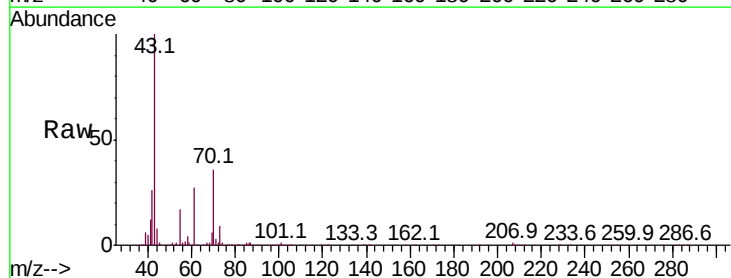
Ion Ratio Lower Upper

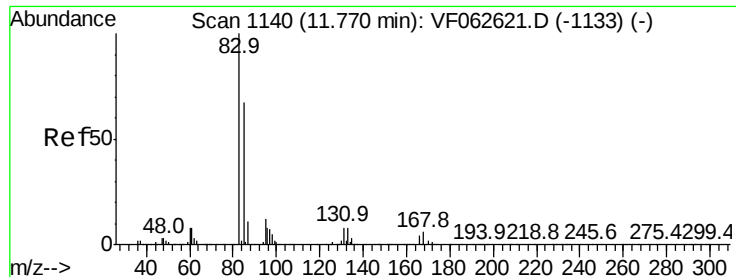
43 100

70 36.3 30.9 46.3

55 17.0 17.0 25.4

61 27.5 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 25.122 ug/l

RT: 11.79 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBSD03

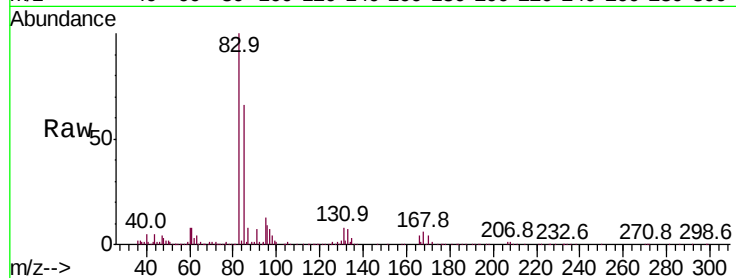
Tot Ion: 83 Resp: 151150

Ion Ratio Lower Upper

83 100

131 7.8 4.0 12.0

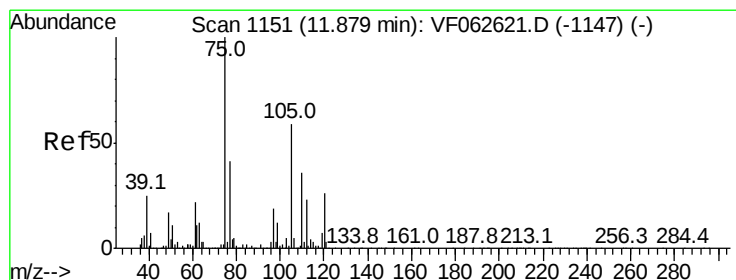
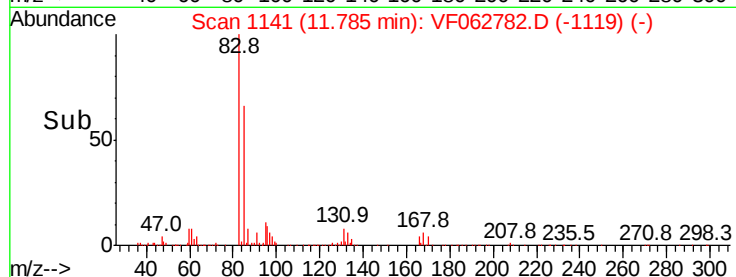
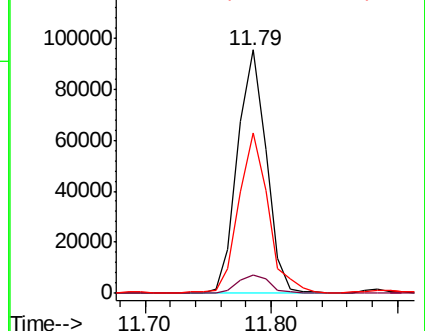
85 65.8 33.5 100.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 25.504 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062782.D

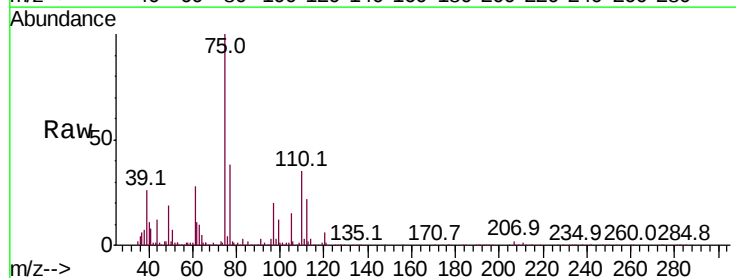
Acq: 29 May 2019 15:10

Tgt Ion: 75 Resp: 100823

Ion Ratio Lower Upper

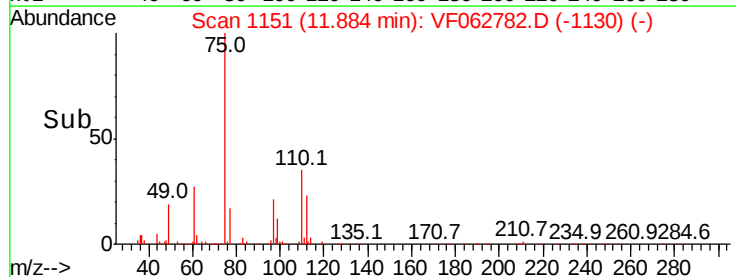
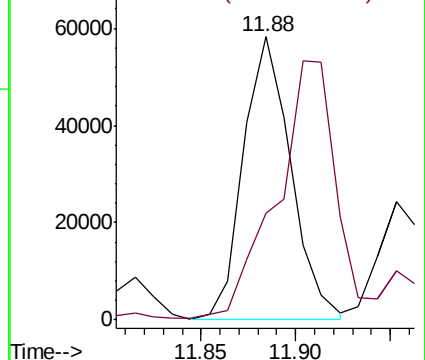
75 100

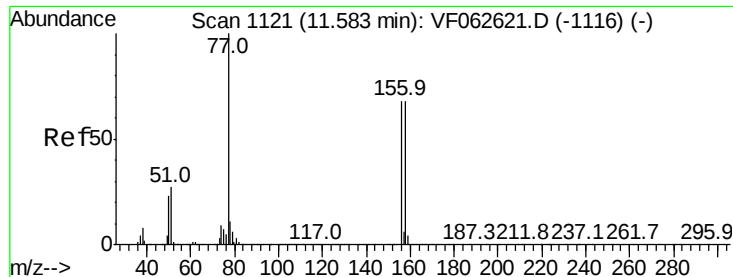
77 37.7 20.6 61.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 23.135 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

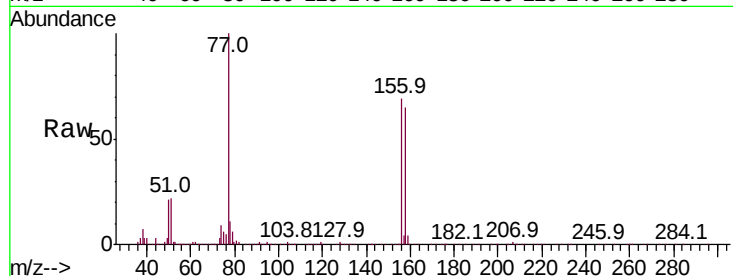
Tot Ion:156 Resp: 169299

Ion Ratio Lower Upper

156 100

77 145.1 73.6 220.8

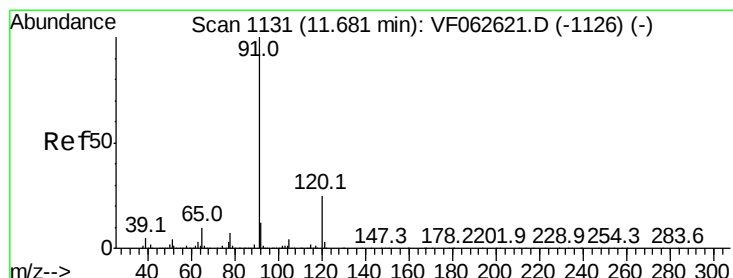
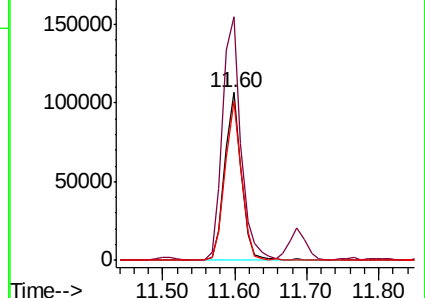
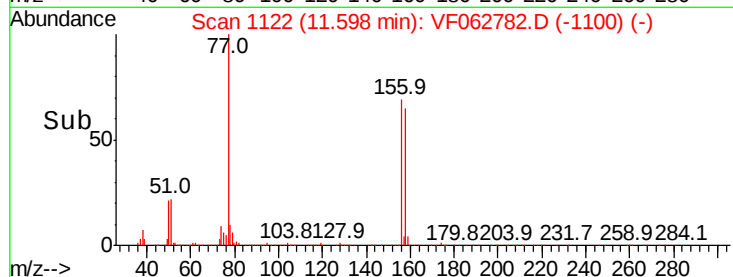
158 94.6 49.6 148.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.247 ug/l

RT: 11.69 min Scan# 1131

Delta R.T. 0.01 min

Lab File: VF062782.D

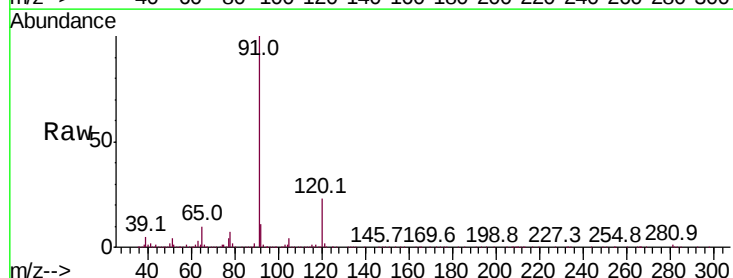
Acq: 29 May 2019 15:10

Tgt Ion: 91 Resp: 844802

Ion Ratio Lower Upper

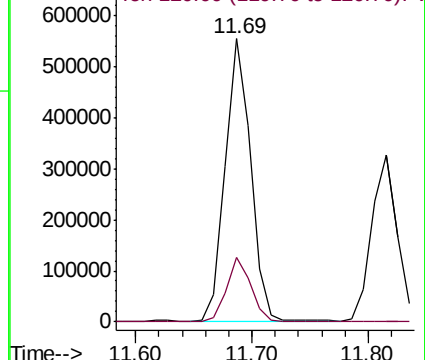
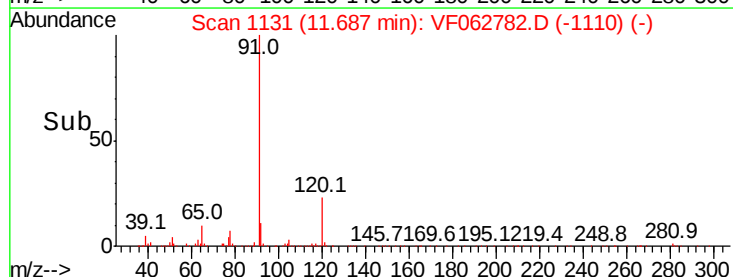
91 100

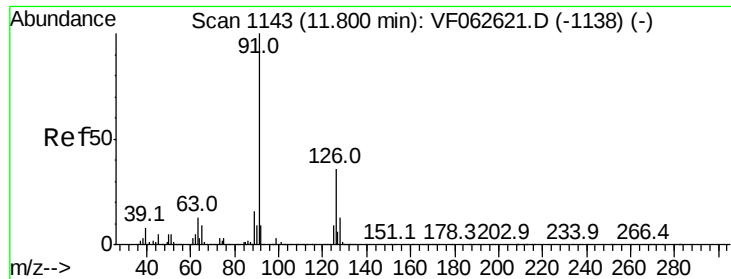
120 22.7 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

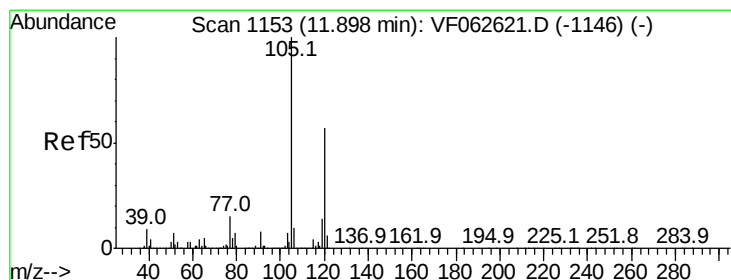
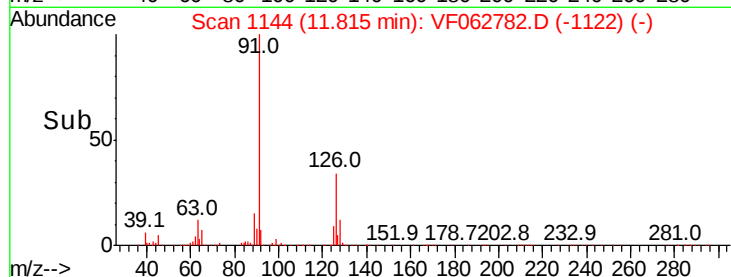
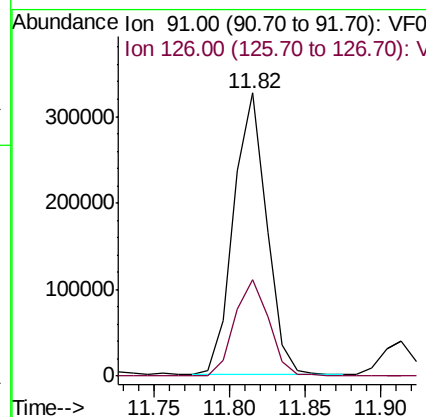
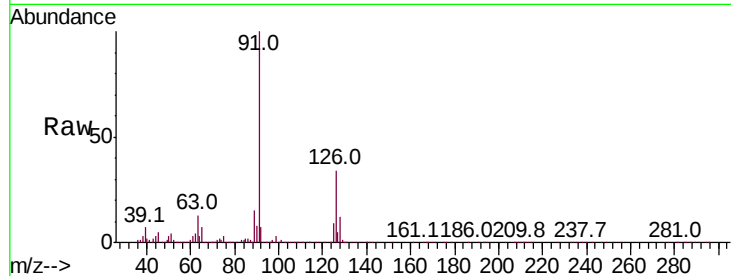




#79
2-Chlorotoluene
Concen: 25.174 ug/l
RT: 11.82 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

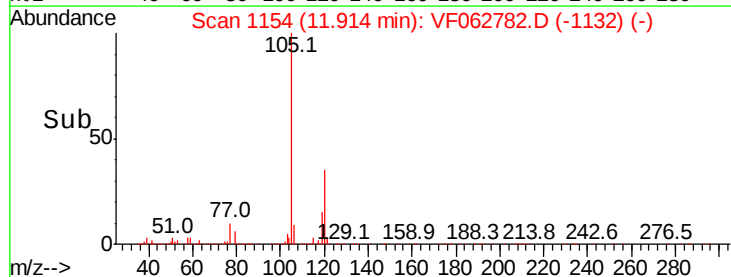
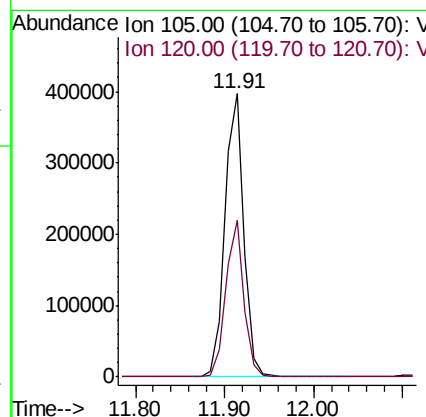
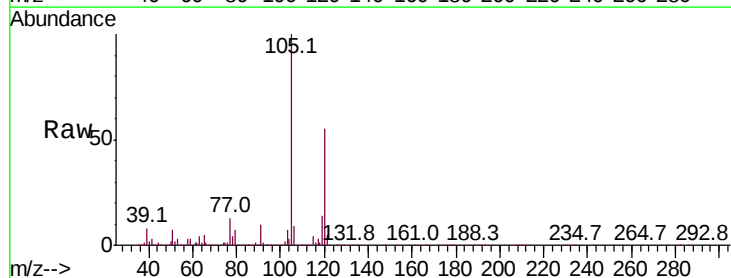
Instrument :
MSVOA_F
ClientSampleId :
VF0529SBSD03

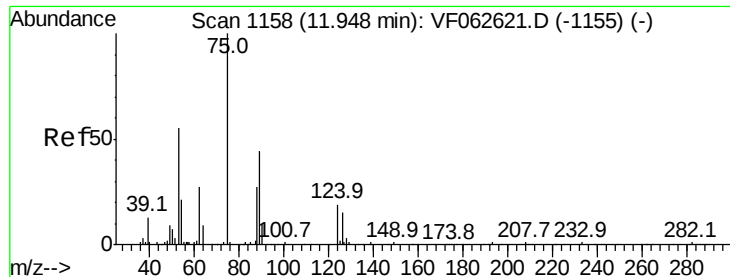
Tot Ion: 91 Resp: 494306
Ion Ratio Lower Upper
91 100
126 34.1 18.1 54.4



#80
1,3,5-Trimethylbenzene
Concen: 25.102 ug/l
RT: 11.91 min Scan# 1154
Delta R.T. 0.02 min
Lab File: VF062782.D
Acq: 29 May 2019 15:10

Tgt Ion: 105 Resp: 592577
Ion Ratio Lower Upper
105 100
120 55.2 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 30.903 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

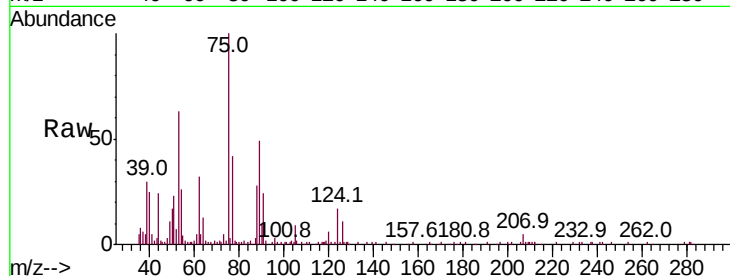
Tot Ion: 75 Resp: 54304

Ion Ratio Lower Upper

75 100

53 63.1 46.9 70.3

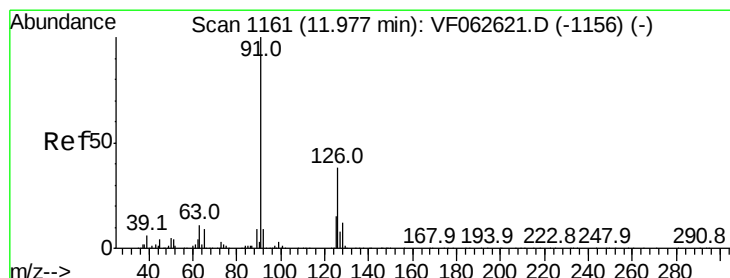
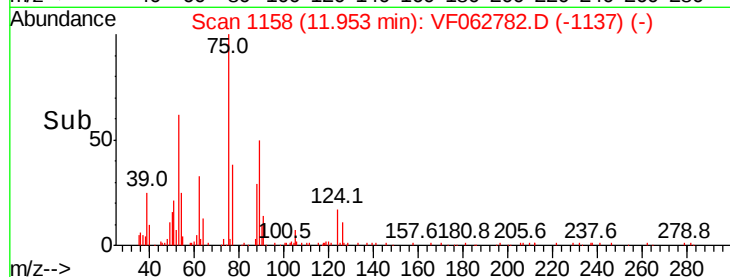
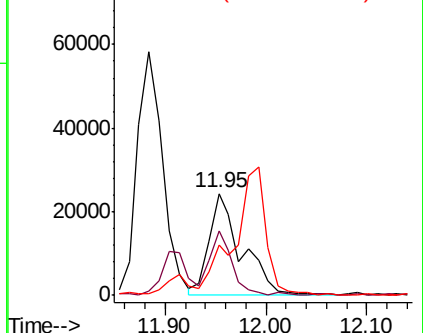
89 49.1 36.4 54.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 26.087 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.02 min

Lab File: VF062782.D

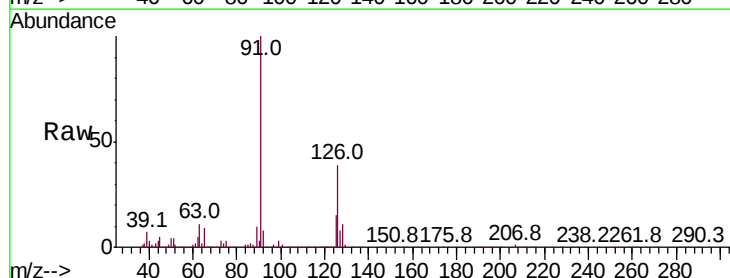
Acq: 29 May 2019 15:10

Tgt Ion: 91 Resp: 505123

Ion Ratio Lower Upper

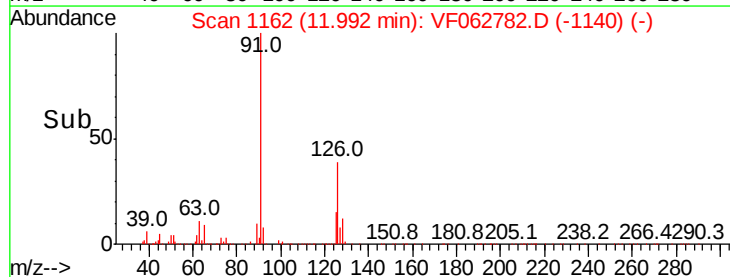
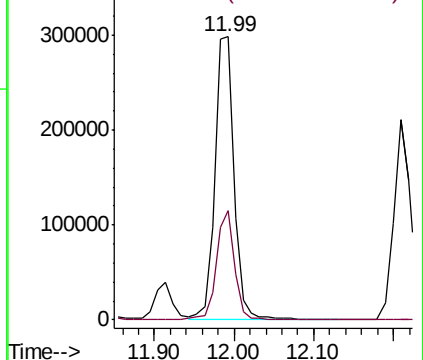
91 100

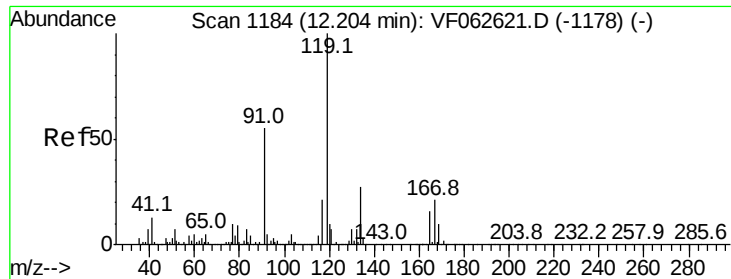
126 38.6 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

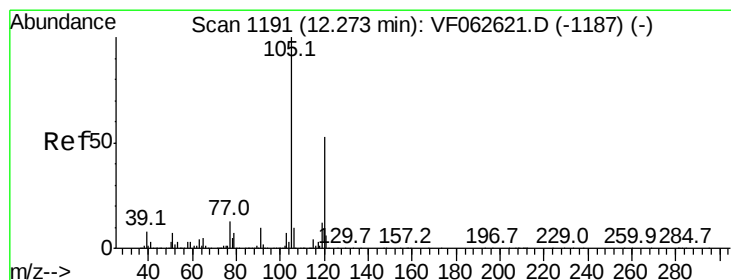
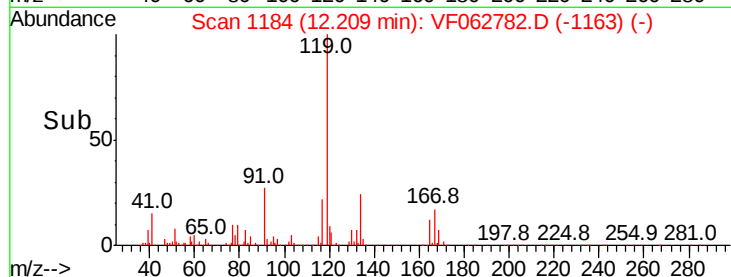
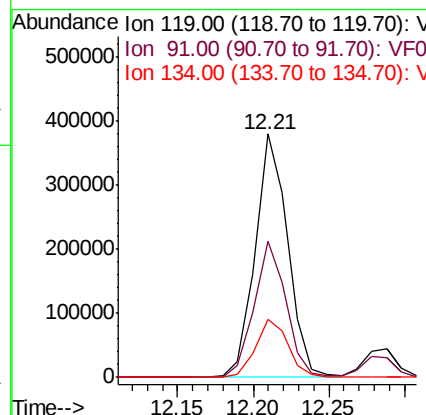
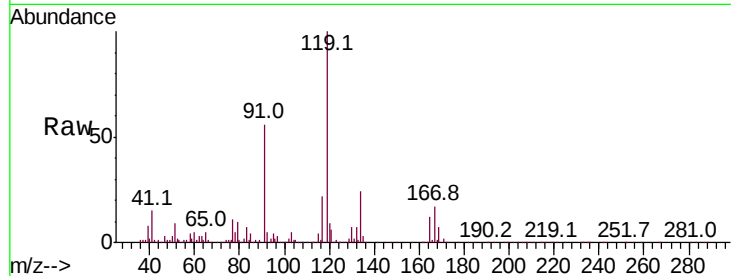




#83
 tert-Butylbenzene
 Concen: 23.736 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

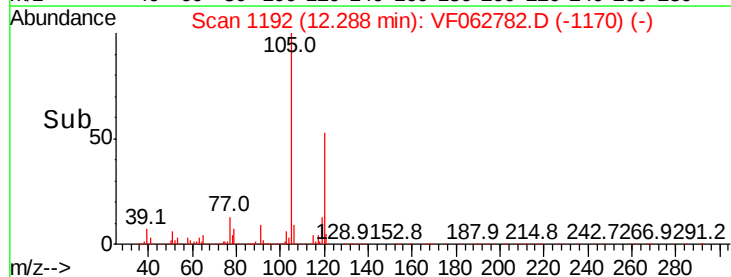
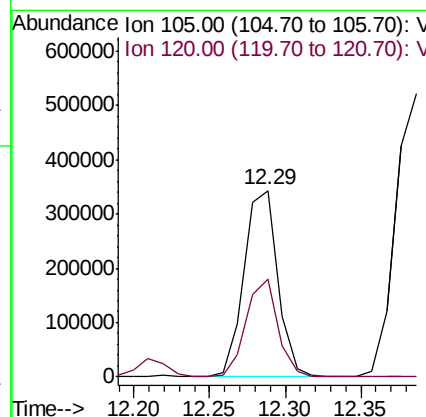
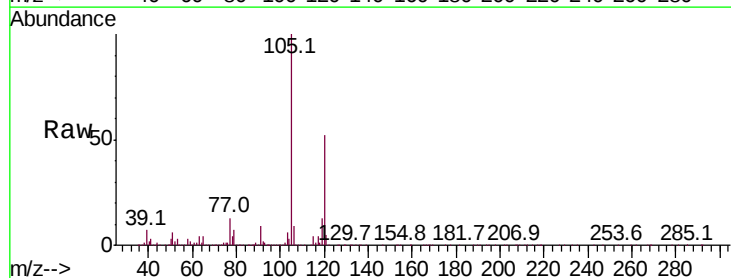
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS03

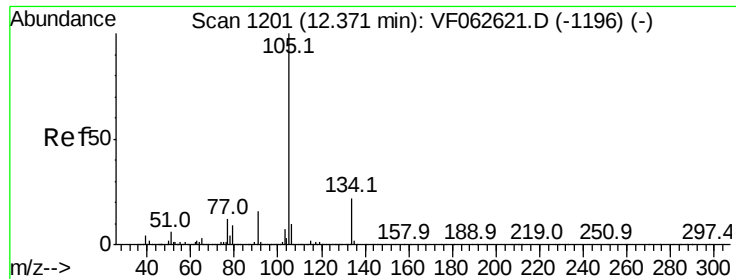
Tot Ion	Ratio	Lower	Upper
119	100		
91	55.8	27.3	81.9
134	23.7	13.6	40.7



#84
 1,2,4-Trimethylbenzene
 Concen: 23.286 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.5	26.7	80.1





#85

sec-Butylbenzene

Concen: 24.206 ug/l

RT: 12.39 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

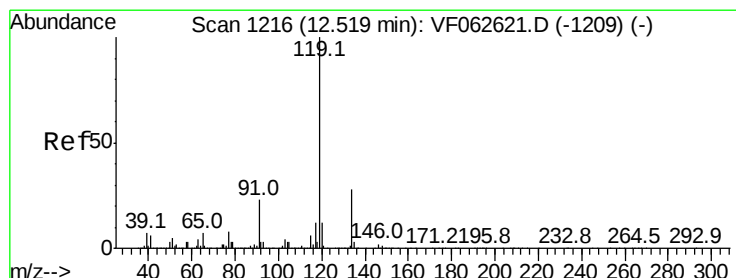
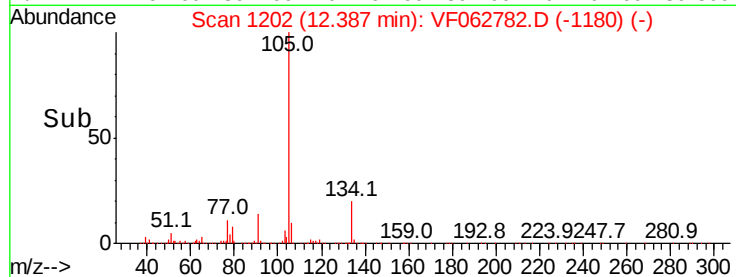
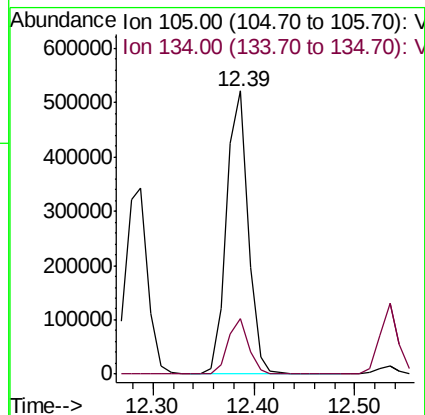
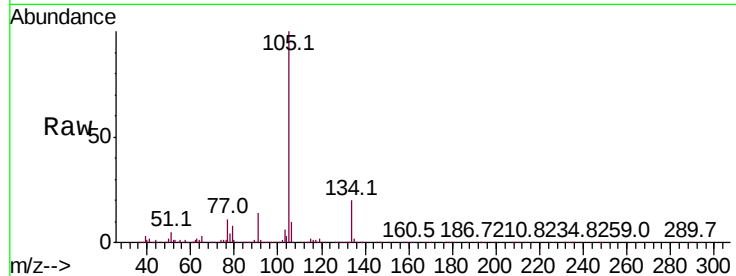
VF0529SBS03

Tot Ion:105 Resp: 778008

Ion Ratio Lower Upper

105 100

134 19.6 10.8 32.4



#86

p-Isopropyltoluene

Concen: 23.612 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

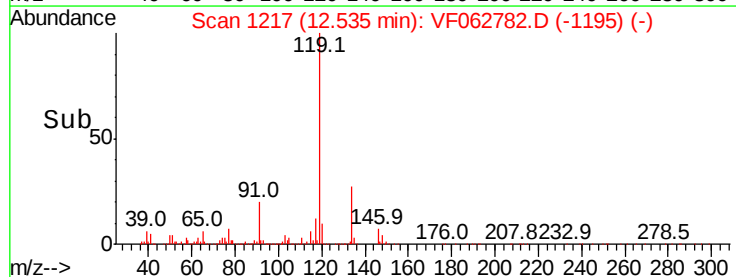
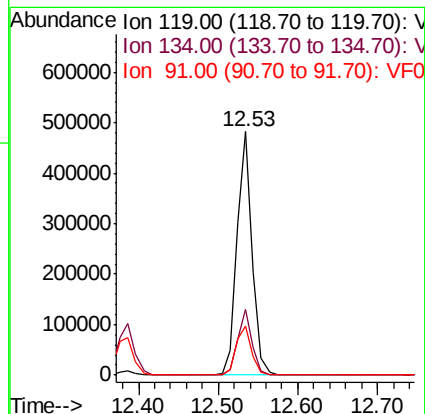
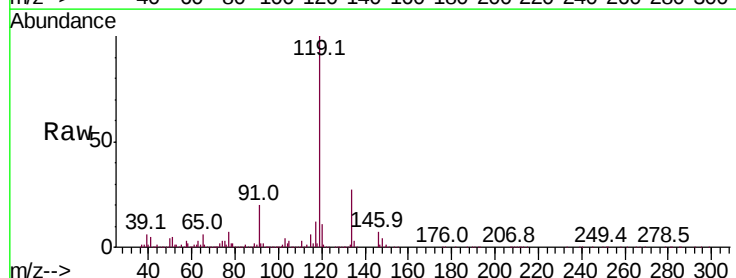
Tgt Ion:119 Resp: 639582

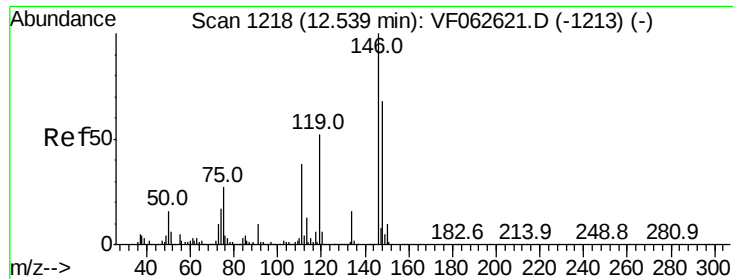
Ion Ratio Lower Upper

119 100

134 27.1 14.1 42.3

91 20.3 11.4 34.2

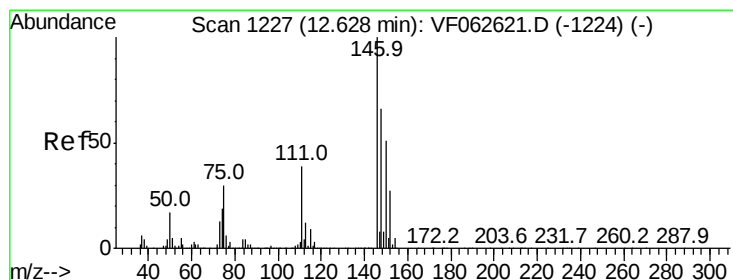
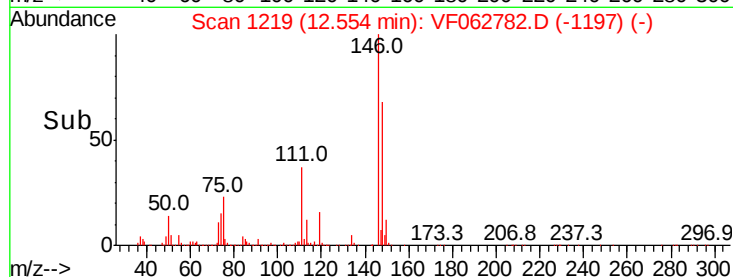
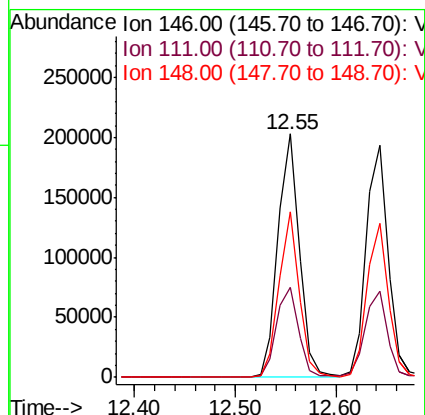
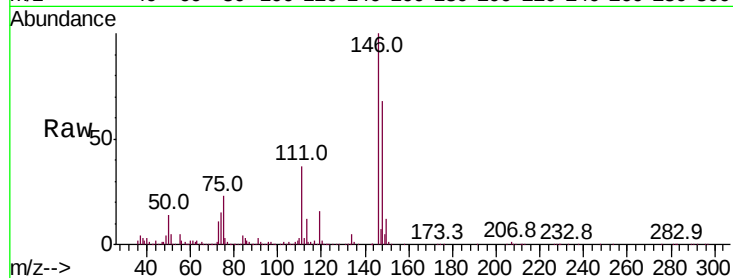




#87
 1,3-Dichlorobenzene
 Concen: 22.588 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

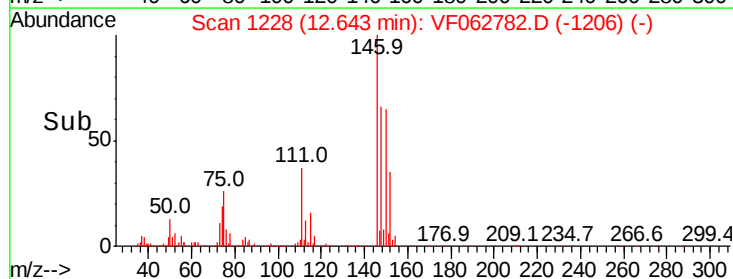
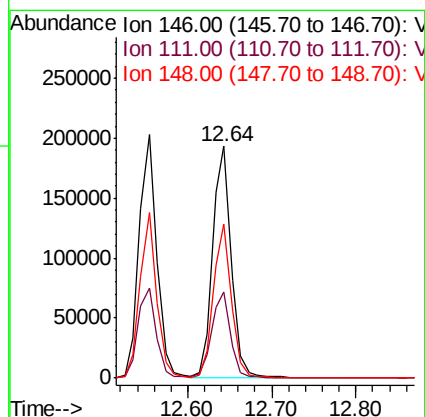
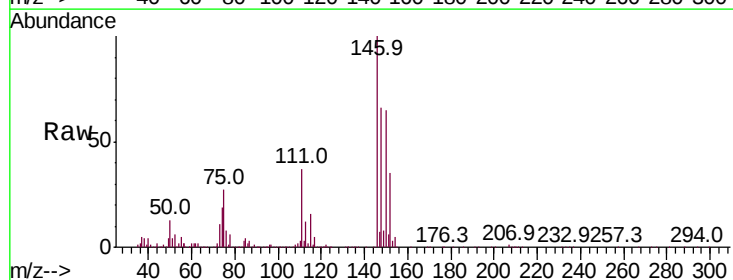
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBSD03

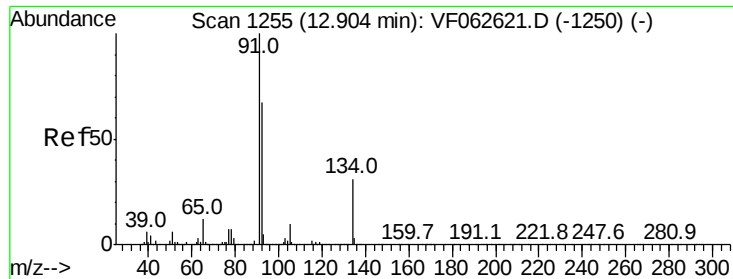
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	68.1	34.0	101.8



#88
 1,4-Dichlorobenzene
 Concen: 23.891 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.4	58.2
148	66.4	33.2	99.6





#89

n-Butylbenzene

Concen: 24.638 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

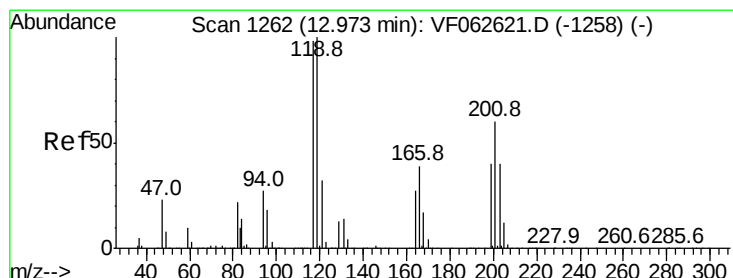
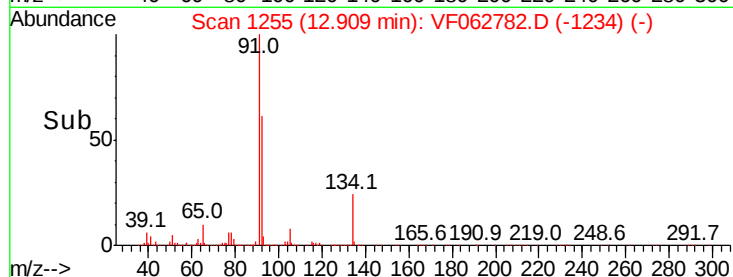
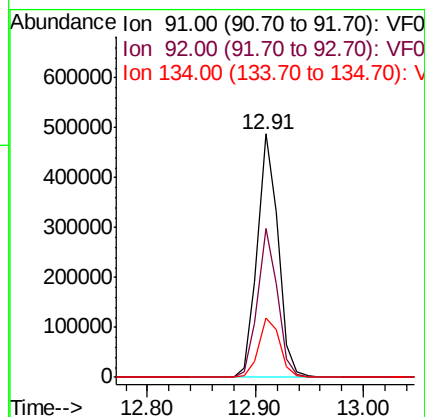
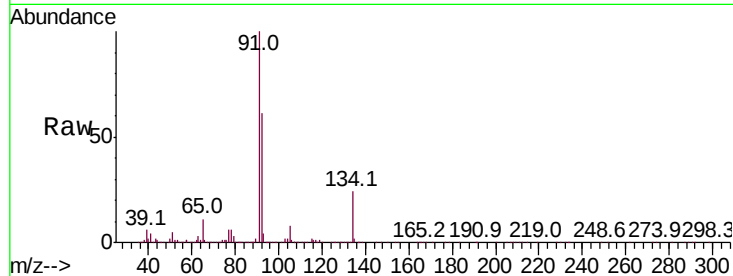
Tot Ion: 91 Resp: 658019

Ion Ratio Lower Upper

91 100

92 61.3 33.3 99.8

134 24.3 15.4 46.4



#90

Hexachloroethane

Concen: 23.908 ug/l

RT: 12.99 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VF062782.D

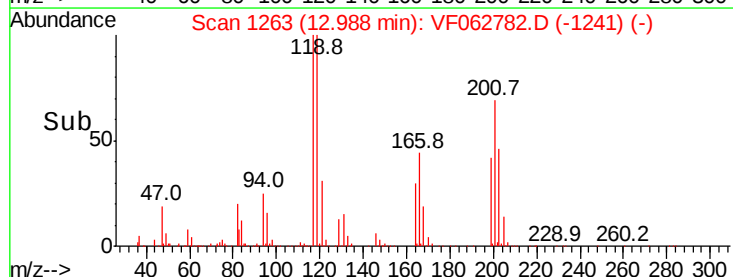
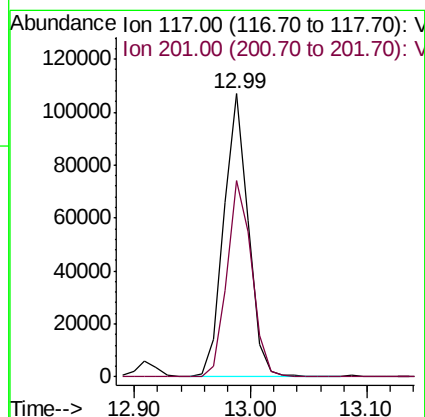
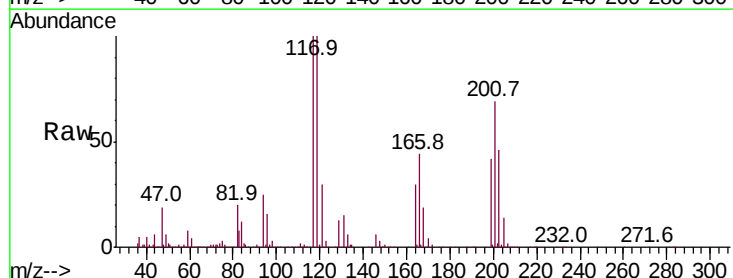
Acq: 29 May 2019 15:10

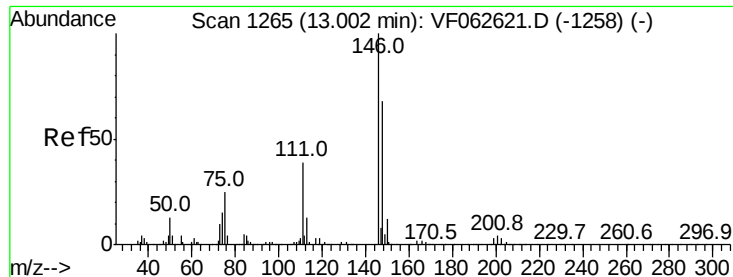
Tgt Ion: 117 Resp: 155356

Ion Ratio Lower Upper

117 100

201 69.2 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 23.373 ug/l

RT: 13.01 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

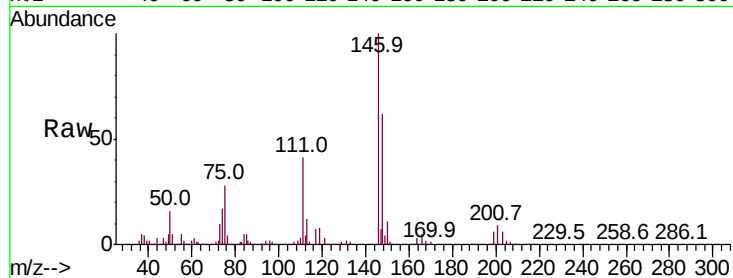
Tot Ion:146 Resp: 275845

Ion Ratio Lower Upper

146 100

111 41.1 19.8 59.3

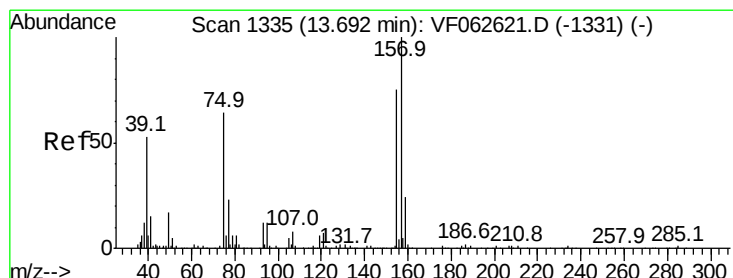
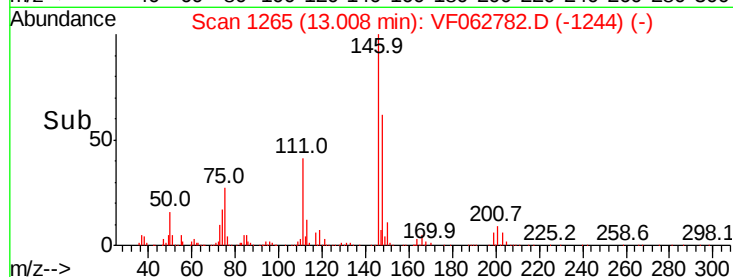
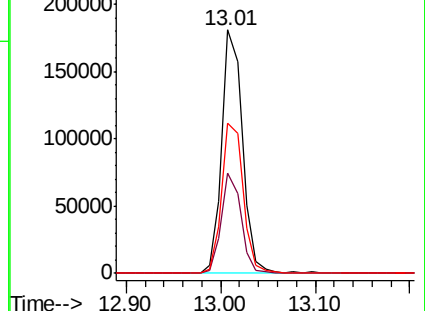
148 61.9 34.1 102.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.912 ug/l

RT: 13.71 min Scan# 1336

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

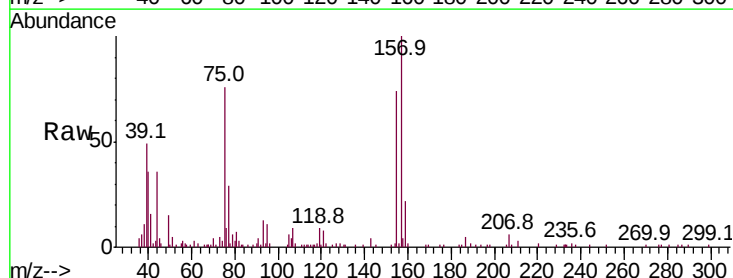
Tgt Ion: 75 Resp: 17163

Ion Ratio Lower Upper

75 100

155 97.7 58.1 174.3

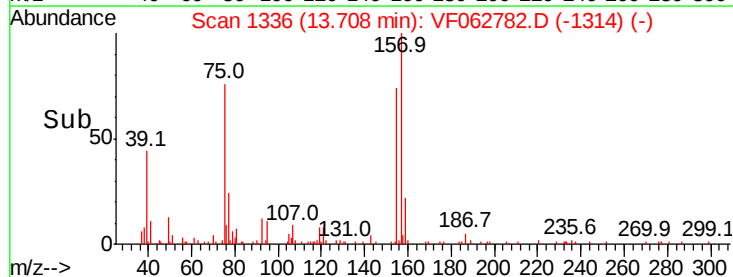
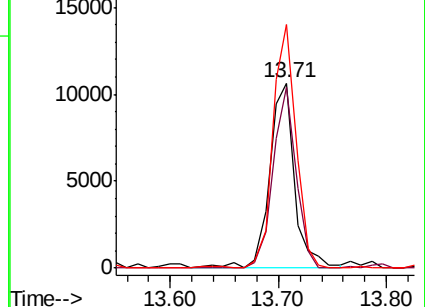
157 131.5 77.8 233.4

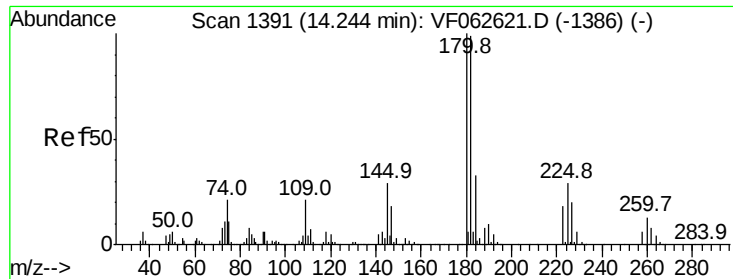


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

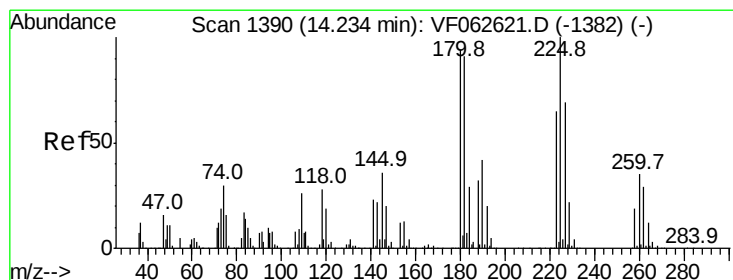
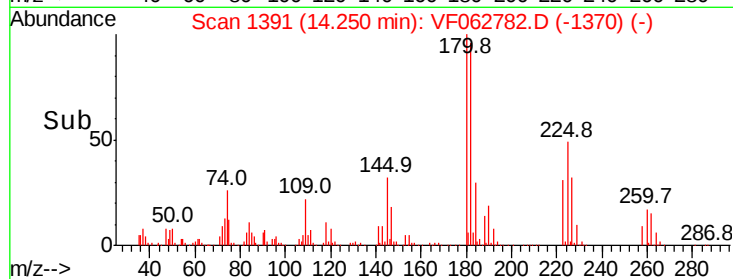
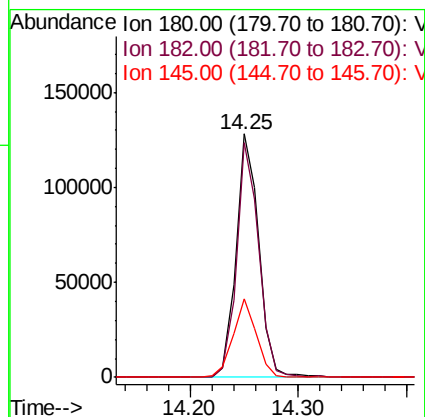
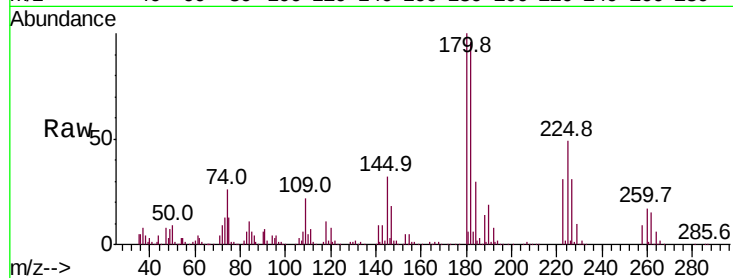




#93
 1,2,4-Trichlorobenzene
 Concen: 22.196 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

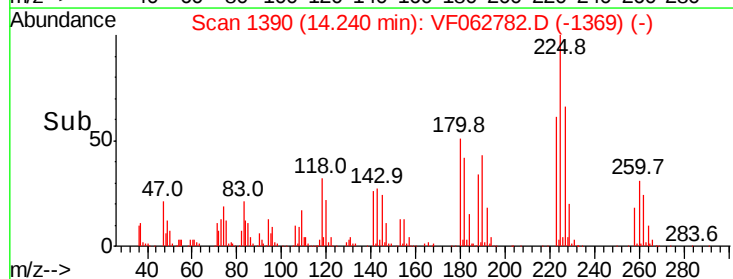
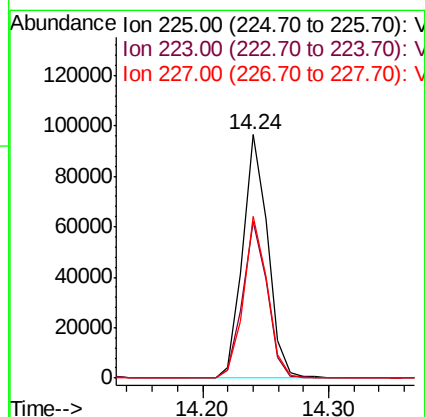
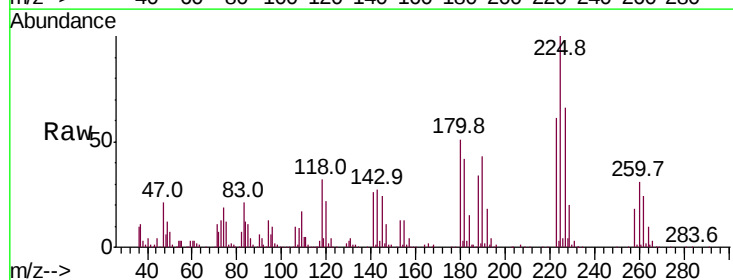
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBSD03

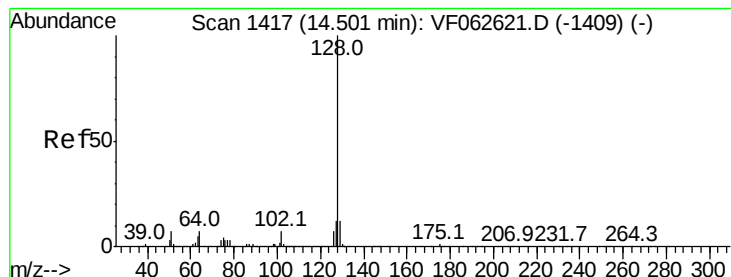
Tot Ion:180 Resp: 187504
 Ion Ratio Lower Upper
 180 100
 182 96.4 49.7 149.1
 145 32.4 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 22.463 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062782.D
 Acq: 29 May 2019 15:10

Tgt Ion:225 Resp: 132431
 Ion Ratio Lower Upper
 225 100
 223 64.4 32.5 97.4
 227 66.2 34.5 103.5





#95

Naphthalene

Concen: 19.832 ug/l

RT: 14.51 min Scan# 1417

Delta R.T. 0.01 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS03

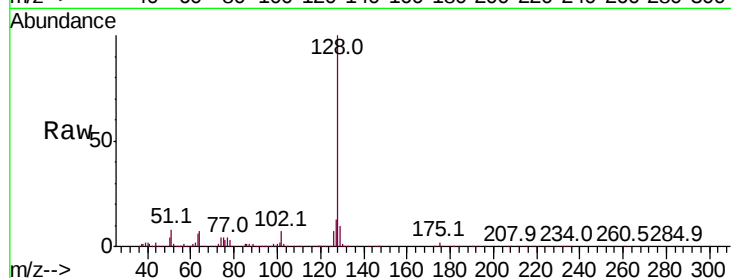
Tot Ion:128 Resp: 304356

Ion Ratio Lower Upper

128 100

127 12.5 9.7 14.5

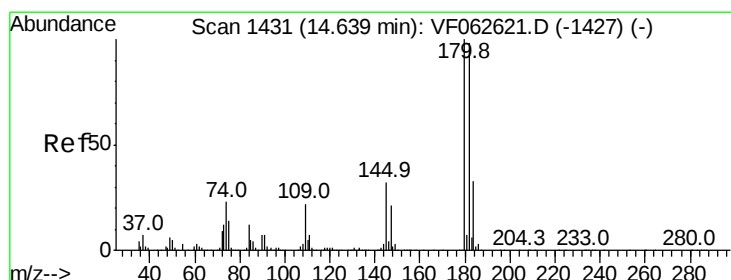
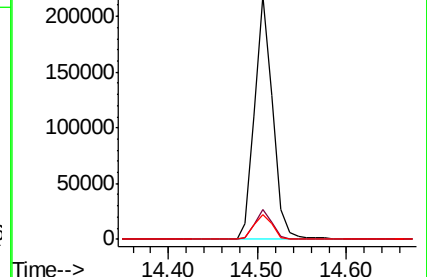
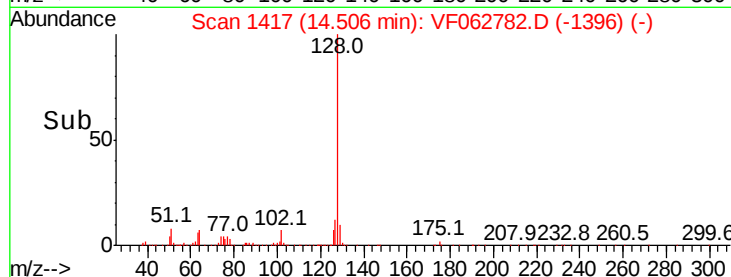
129 10.3 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.675 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.02 min

Lab File: VF062782.D

Acq: 29 May 2019 15:10

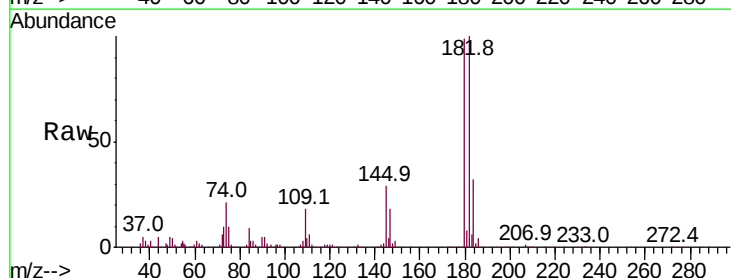
Tgt Ion:180 Resp: 165438

Ion Ratio Lower Upper

180 100

182 101.0 48.9 146.7

145 28.8 16.1 48.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

