

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062772.D
 Acq On : 28 May 2019 20:42
 Operator : FY/SY
 Sample : K3072-08
 Misc : 5.85g/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TP-8

Quant Time: May 29 01:50:44 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	7289	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.82	114	8371	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.98	117	409	50.00	ug/l	0.06
72) 1,4-Dichlorobenzene-d4	12.60	152	195	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.07	65	1407	27.32	ug/l	0.03
Spiked Amount	50.000		Recovery	=	54.64%	
35) Dibromofluoromethane	4.33	113	2135	33.33	ug/l	0.01
Spiked Amount	50.000		Recovery	=	66.66%	
50) Toluene-d8	7.73	98	2276	14.88	ug/l	0.01
Spiked Amount	50.000		Recovery	=	29.76%	
62) 4-Bromofluorobenzene	11.55	95	373	6.43	ug/l	0.05
Spiked Amount	50.000		Recovery	=	12.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.84	85	152	1.532	ug/l	86
3) Chloromethane	1.10	50	526	5.759	ug/l	91
4) Vinyl Chloride	1.20	62	153	1.820	ug/l #	41
5) Bromomethane	1.38	94	816	17.742	ug/l	85
6) Chloroethane	1.37	64	237	7.676	ug/l	95
7) Trichlorofluoromethane	1.53	101	272	2.410	ug/l #	74
8) Diethyl Ether	1.70	74	322	14.399	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.95	101	130	1.809	ug/l #	19
11) Tert butyl alcohol	2.70	59	224	65.871	ug/l #	1
12) 1,1-Dichloroethene	1.90	96	415	6.338	ug/l #	39
13) Acrolein	2.09	56	1060	298.615	ug/l #	14
14) Allvl chloride	2.19	41	240	4.050	ug/l #	67
15) Acrylonitrile	2.96	53	155	16.159	ug/l	87
16) Acetone	2.37	43	218	16.314	ug/l #	78
17) Carbon Disulfide	1.91	76	347	1.788	ug/l #	13
18) Methyl Acetate	2.49	43	1659	79.005	ug/l #	52
19) Methyl tert-butyl Ether	2.54	73	185	1.580	ug/l #	39
20) Methylene Chloride	2.38	84	267	3.986	ug/l #	31
21) trans-1,2-Dichloroethene	2.43	96	307	4.797	ug/l #	1
22) Diisopropyl ether	2.95	45	756	5.172	ug/l #	1
23) Vinyl Acetate	3.34	43	268	2.718	ug/l #	73
24) 1,1-Dichloroethane	3.02	63	177	1.651	ug/l #	86
25) 2-Butanone	4.59	43	2173	76.114	ug/l	95
26) 2,2-Dichloropropane	3.92	77	675	11.002	ug/l	92
27) cis-1,2-Dichloroethene	3.67	96	1002	9.518	ug/l	33
28) Bromochloromethane	3.91	49	286	4.756	ug/l #	3
29) Tetrahydrofuran	4.34	42	717	62.062	ug/l	91
30) Chloroform	3.94	83	327	2.197	ug/l	88
31) Cyclohexane	3.92	56	637	4.424	ug/l #	52
32) 1,1,1-Trichloroethane	4.30	97	494	4.997	ug/l #	50
36) 1,1-Dichloropropene	4.52	75	208	2.425	ug/l #	19
37) Ethyl Acetate	4.36	43	726	20.729	ug/l #	9
38) Carbon Tetrachloride	4.24	117	248	3.844	ug/l #	12
39) Methylcyclohexane	5.69	83	180	1.744	ug/l #	20

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 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)
40) Benzene	4.89	78	659	2.820	ug/l #	65
41) Methacrylonitrile	4.94	41	1023	55.714	ug/l #	50
42) 1,2-Dichloroethane	5.14	62	415	8.906	ug/l	71
43) Isopropyl Acetate	7.14	43	459	10.116	ug/l #	43
44) Trichloroethene	5.76	130	323	4.918	ug/l	62
45) 1,2-Dichloropropane	6.45	63	77	1.305	ug/l #	1
46) Dibromomethane	6.26	93	184	5.397	ug/l #	20
48) Methyl methacrylate	6.90	41	1137	47.943	ug/l #	51
49) 1,4-Dioxane	6.91	88	75	246.912	ug/l #	1
51) 4-Methyl-2-Pentanone	8.45	43	1087	35.048	ug/l	97
52) Toluene	7.81	92	253	2.064	ug/l #	55
53) t-1,3-Dichloropropene	8.50	75	824	14.231	ug/l #	44
54) cis-1,3-Dichloropropene	7.52	75	337	4.158	ug/l #	1
55) 1,1,2-Trichloroethane	8.68	97	72	1.984	ug/l #	1
56) Ethyl methacrylate	8.80	69	438	10.132	ug/l #	29
57) 1,3-Dichloropropane	9.07	76	111	1.796	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.47	63	188	13.360	ug/l #	54
59) 2-Hexanone	9.77	43	1524	62.131	ug/l	95
60) Dibromochloromethane	8.88	129	223	4.715	ug/l	67
61) 1,2-Dibromoethane	9.33	107	64	1.661	ug/l	97
64) Tetrachloroethene	8.31	164	85	26.233	ug/l #	46
65) Chlorobenzene	9.92	112	205	25.519	ug/l #	41
66) 1,1,1,2-Tetrachloroethane	10.11	131	150	46.513	ug/l #	1
67) Ethyl Benzene	10.02	91	364	26.083	ug/l #	42
68) m/p-Xylenes	10.28	106	78	14.871	ug/l	86
69) o-Xylene	10.72	106	157	29.061	ug/l	40
70) Styrene	10.88	104	185	22.530	ug/l #	1
71) Bromoform	10.92	173	186	115.160	ug/l #	75
73) Isopropylbenzene	11.20	105	130	9.302	ug/l #	45
74) N-amyl acetate	11.49	43	527	160.081	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	11.75	83	120	42.014	ug/l #	23
76) 1,2,3-Trichloropropane	11.87	75	158	84.191	ug/l #	1
77) Bromobenzene	11.43	156	121	34.830	ug/l	72
78) n-propylbenzene	11.69	91	202	12.213	ug/l #	72
79) 2-Chlorotoluene	11.79	91	232	24.889	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.96	105	139	12.403	ug/l #	22
81) trans-1,4-Dichloro-2-buten	11.82	75	483	578.997	ug/l	87
82) 4-Chlorotoluene	11.82	91	377	41.013	ug/l	69
83) tert-Butylbenzene	12.23	119	70	6.157	ug/l #	1
84) 1,2,4-Trimethylbenzene	12.25	105	114	10.510	ug/l #	25
85) sec-Butylbenzene	12.39	105	232	15.205	ug/l #	54
86) p-Isopropyltoluene	12.51	119	93	7.232	ug/l #	20
87) 1,3-Dichlorobenzene	12.49	146	471	74.938	ug/l #	44
88) 1,4-Dichlorobenzene	12.64	146	68	11.529	ug/l #	24
89) n-Butylbenzene	12.89	91	199	15.696	ug/l #	64
90) Hexachloroethane	12.87	117	79	25.610	ug/l	78
91) 1,2-Dichlorobenzene	13.00	146	75	13.387	ug/l #	45
92) 1,2-Dibromo-3-Chloropropan	13.70	75	140	410.881	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.23	180	115	28.676	ug/l #	81
94) Hexachlorobutadiene	14.22	225	82	29.300	ug/l #	16

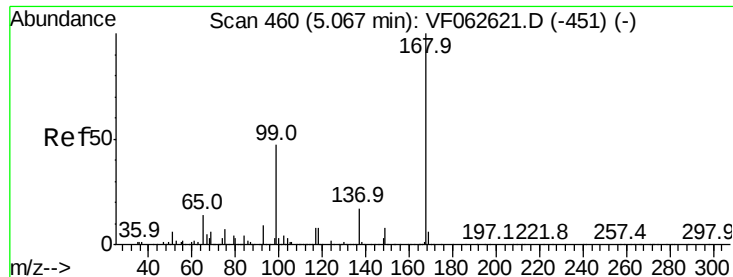
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.50	128	67	9.196	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.68	180	79	20.797	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

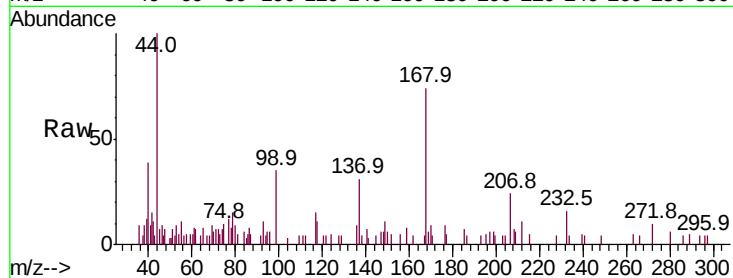
Instrument :
MSVOA_F
ClientSampleId :
TP-8

Tot Ion:168 Resp: 7289

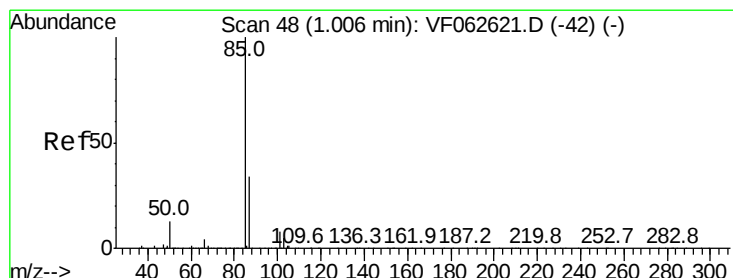
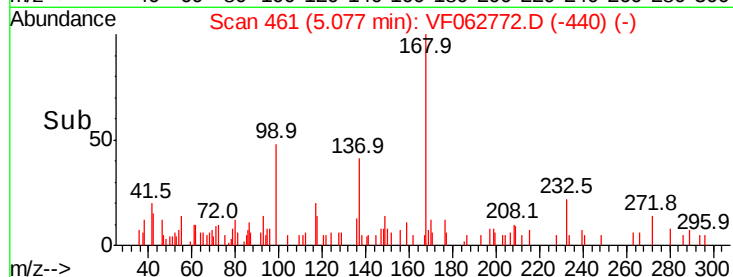
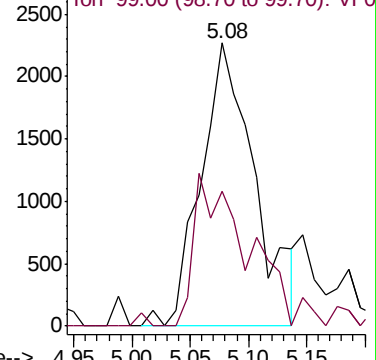
Ion Ratio Lower Upper

168 100

99 47.6 37.8 56.8



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.532 ug/l

RT: 0.84 min Scan# 31

Delta R.T. -0.17 min

Lab File: VF062772.D

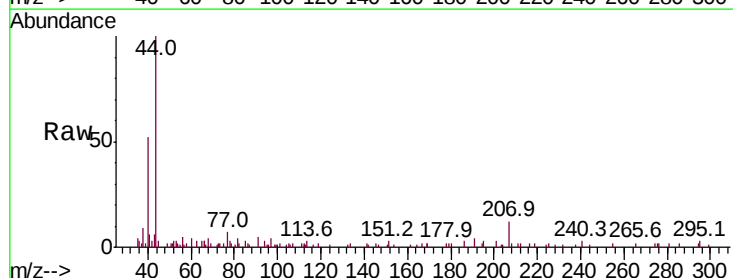
Acq: 28 May 2019 20:42

Tgt Ion: 85 Resp: 152

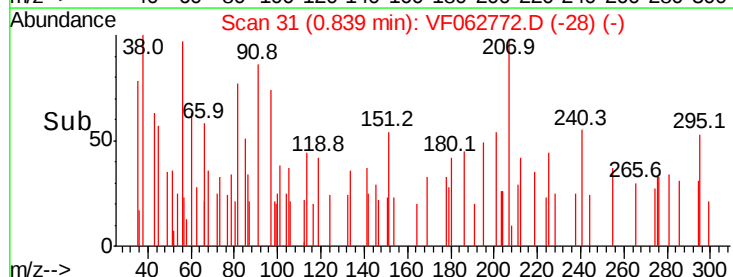
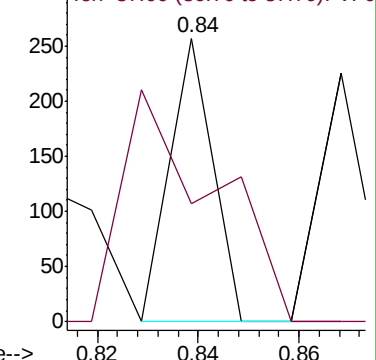
Ion Ratio Lower Upper

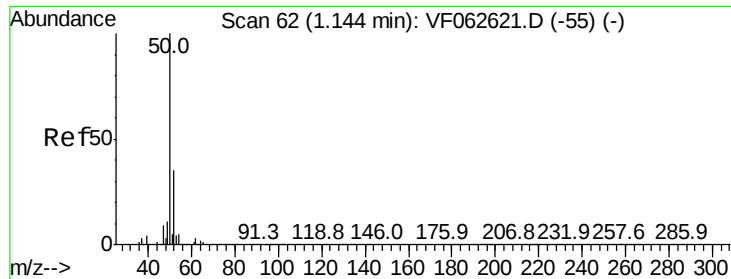
85 100

87 41.6 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 5.759 ug/l

RT: 1.10 min Scan# 58

Delta R.T. -0.04 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

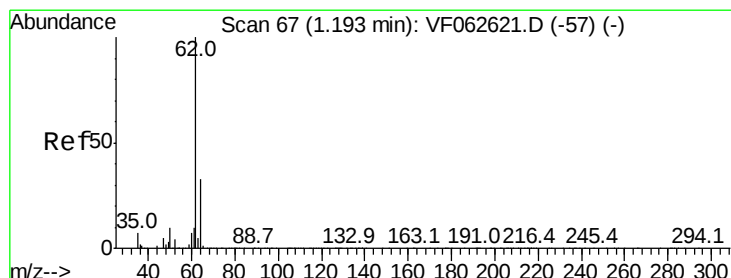
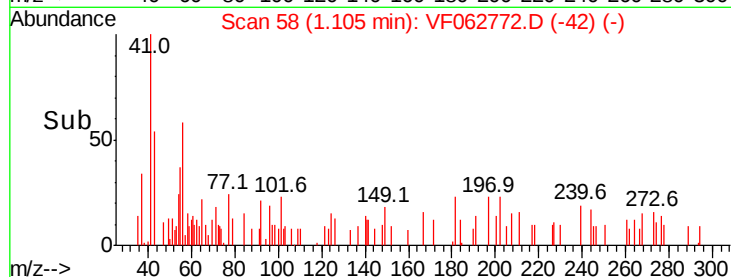
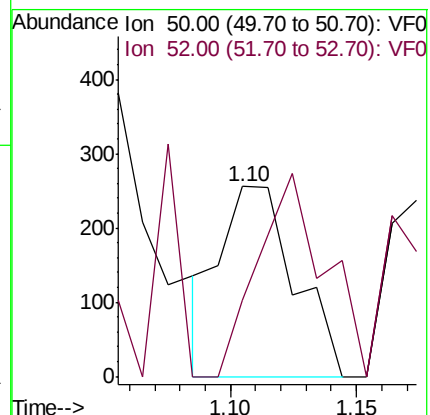
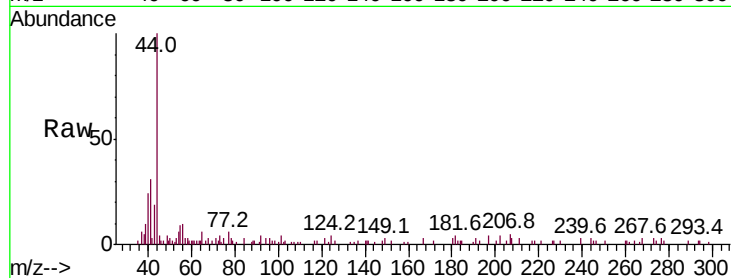
TP-8

Tot Ion: 50 Resp: 526

Ion Ratio Lower Upper

50 100

52 39.8 27.5 41.3



#4

Vinyl Chloride

Concen: 1.820 ug/l

RT: 1.20 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF062772.D

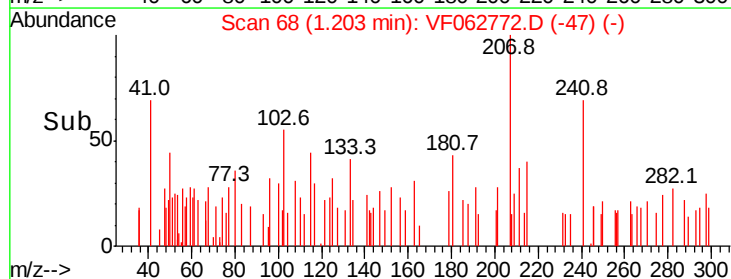
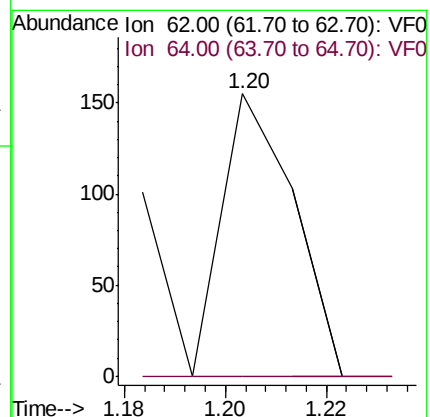
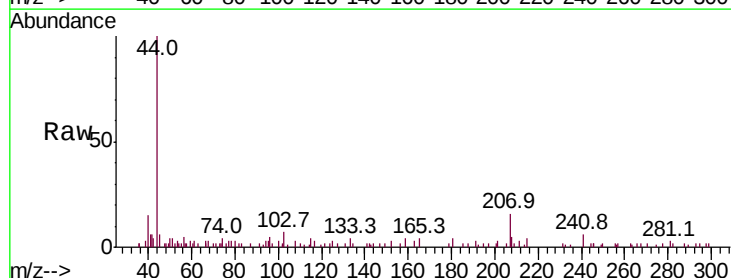
Acq: 28 May 2019 20:42

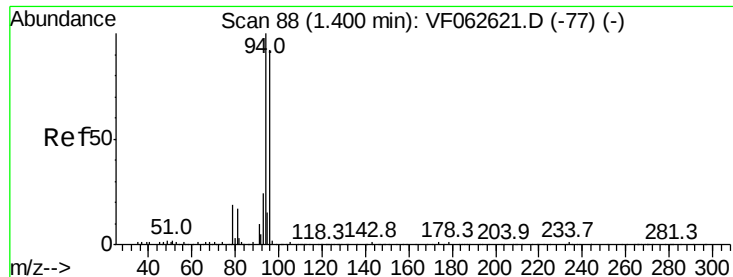
Tgt Ion: 62 Resp: 153

Ion Ratio Lower Upper

62 100

64 0.0 26.7 40.1#





#5

Bromomethane

Concen: 17.742 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

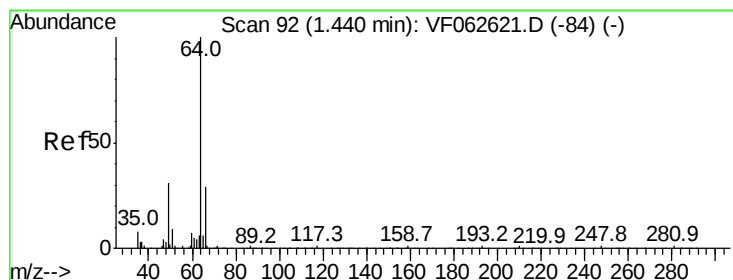
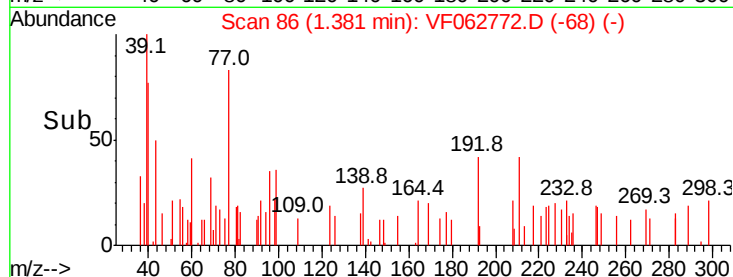
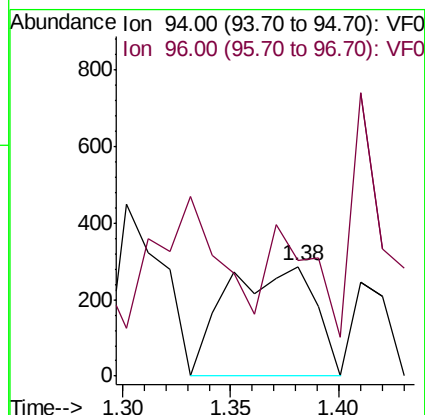
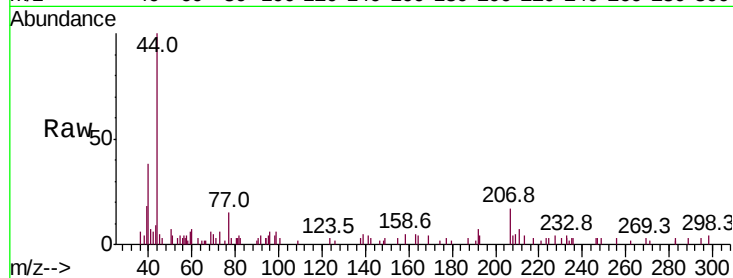
TP-8

Tot Ion: 94 Resp: 816

Ion Ratio Lower Upper

94 100

96 105.6 73.2 109.8



#6

Chloroethane

Concen: 7.676 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.07 min

Lab File: VF062772.D

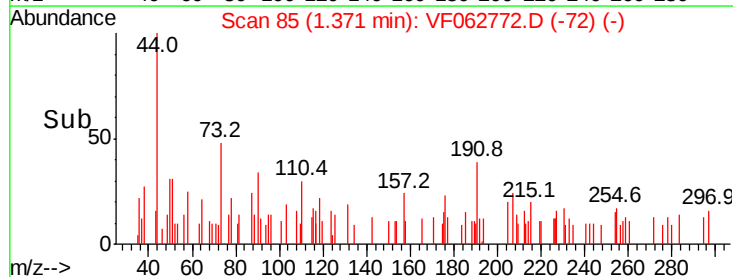
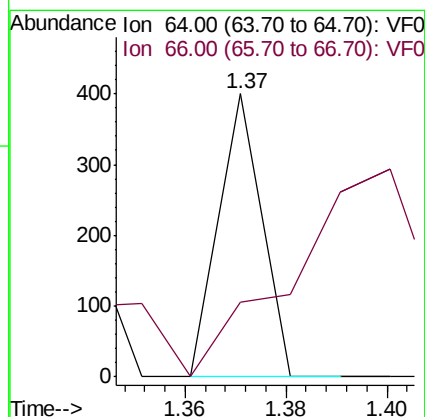
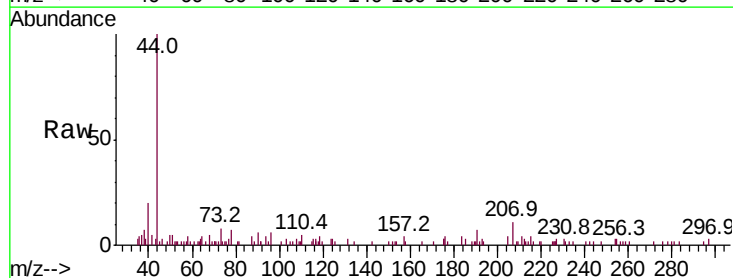
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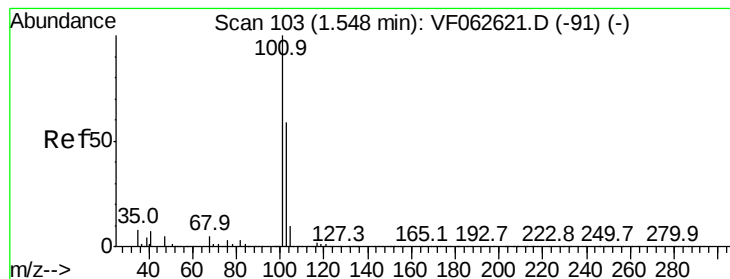
Tgt Ion: 64 Resp: 237

Ion Ratio Lower Upper

64 100

66 26.5 23.4 35.2



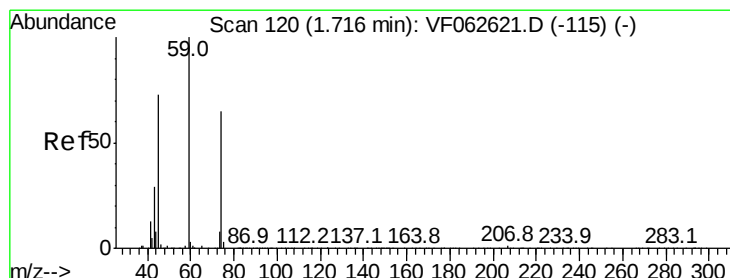
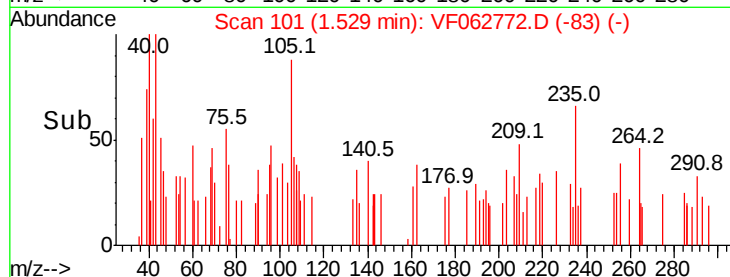
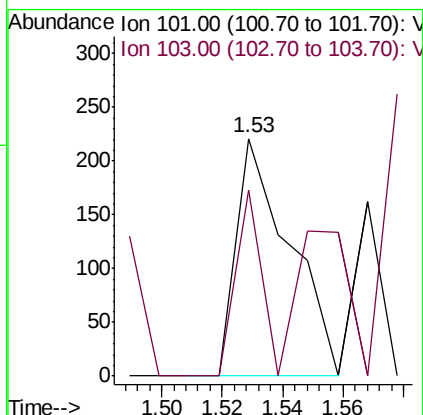
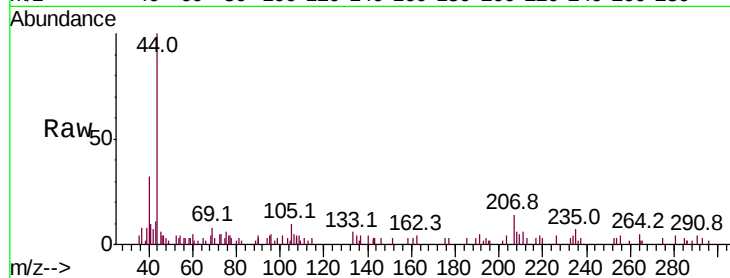


#7

Trichlorofluoromethane
Concen: 2.410 ug/l
RT: 1.53 min Scan# 101
Delta R.T. -0.02 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampled :
TP-8

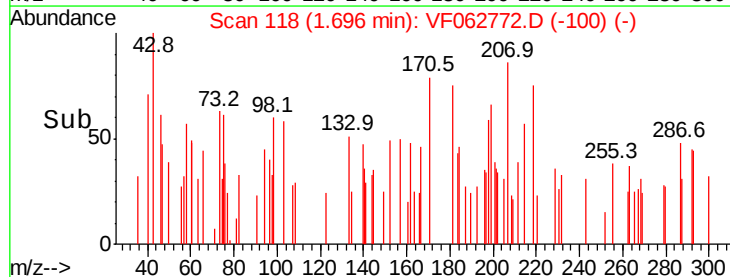
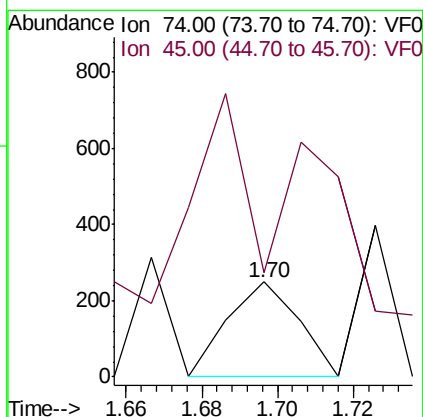
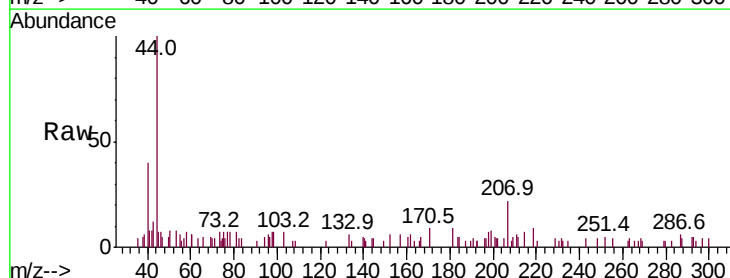
Tot Ion:101 Resp: 272
Ion Ratio Lower Upper
101 100
103 78.3 47.3 70.9#

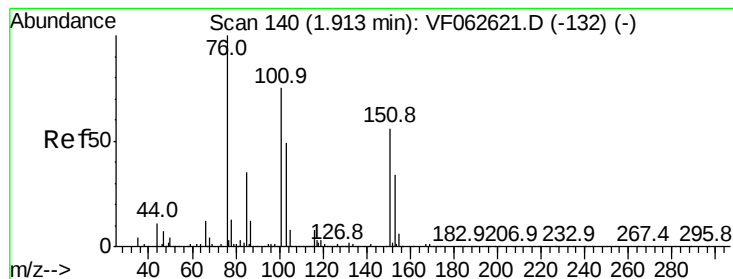


#8

Diethyl Ether
Concen: 14.399 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.02 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion: 74 Resp: 322
Ion Ratio Lower Upper
74 100
45 109.2 57.0 170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.809 ug/l

RT: 1.95 min Scan# 144

Delta R.T. 0.04 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

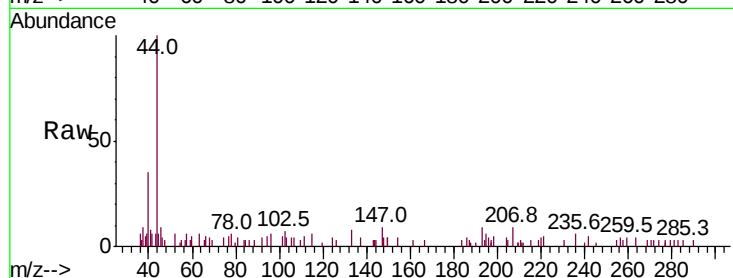
Tot Ion:101 Resp: 130

Ion Ratio Lower Upper

101 100

85 0.0 37.1 55.7#

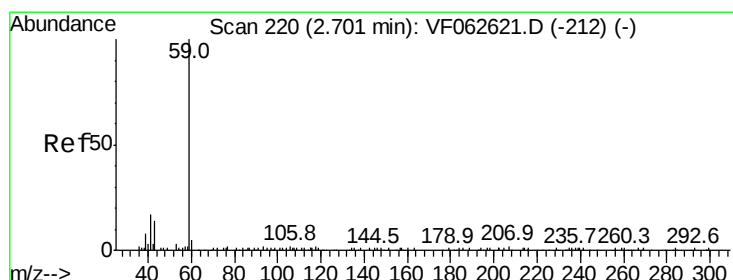
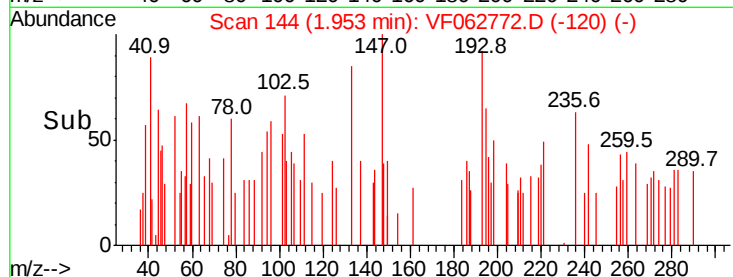
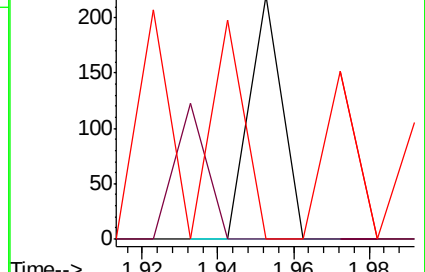
151 0.0 58.8 88.2#



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



#11

Tert butyl alcohol

Concen: 65.871 ug/l

RT: 2.70 min Scan# 220

Delta R.T. 0.00 min

Lab File: VF062772.D

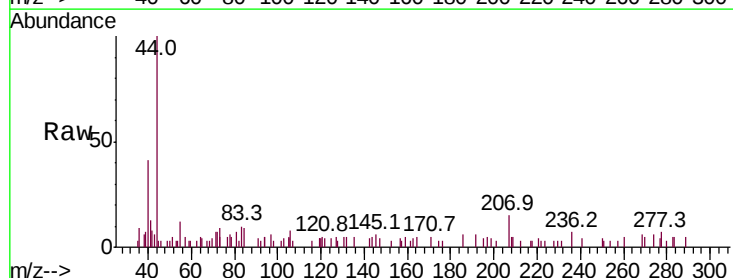
Acq: 28 May 2019 20:42

Tgt Ion: 59 Resp: 224

Ion Ratio Lower Upper

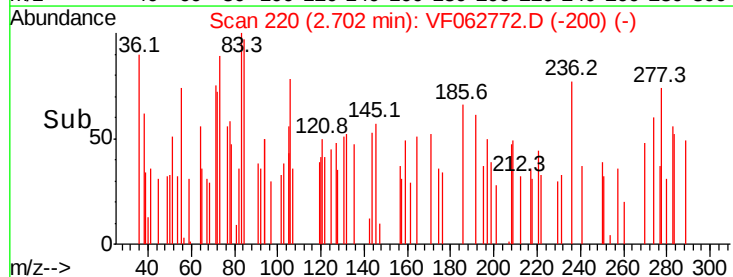
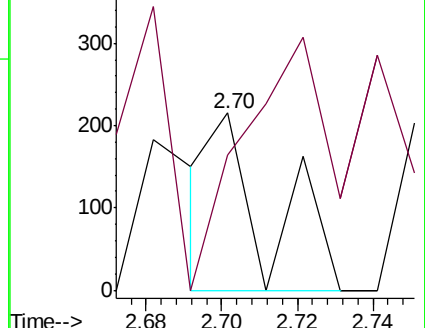
59 100

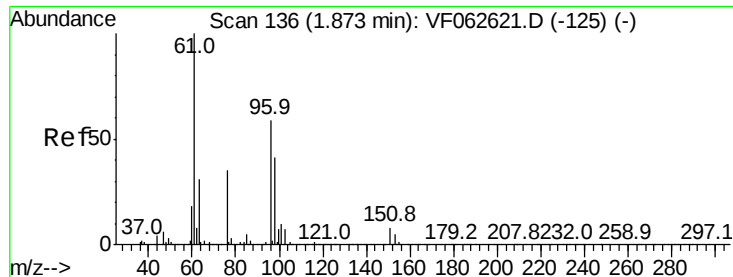
57 76.3 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 6.338 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.03 min

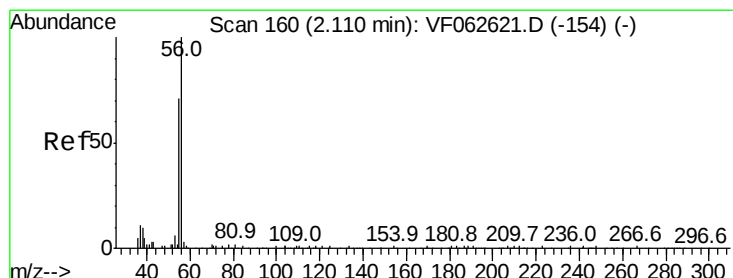
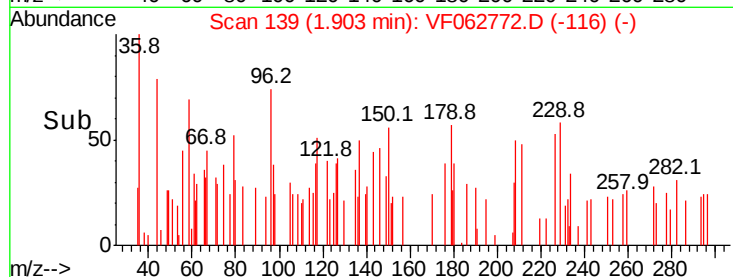
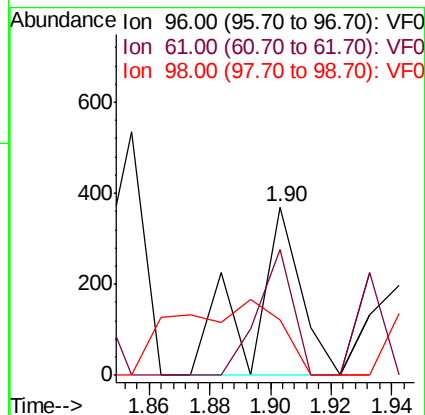
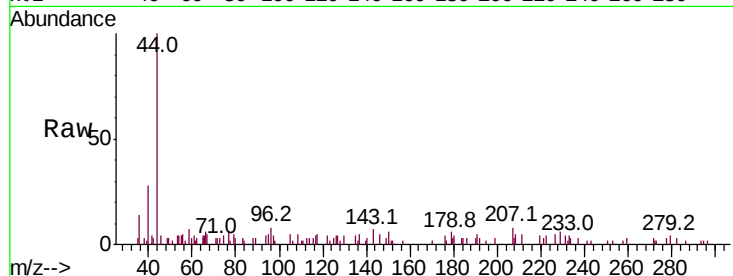
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampled :
TP-8

Tot Ion: 96 Resp: 415

Ion	Ratio	Lower	Upper
96	100		
61	74.6	134.3	201.5#
98	33.0	55.0	82.6#



#13

Acrolein

Concen: 298.615 ug/l

RT: 2.09 min Scan# 158

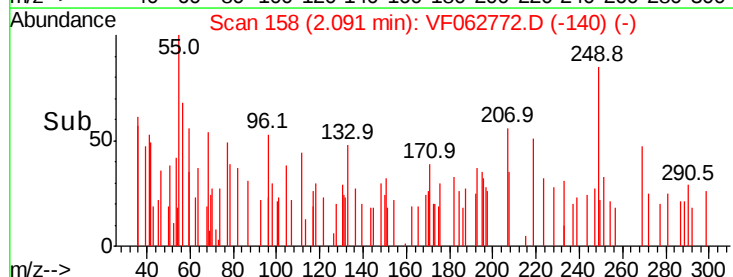
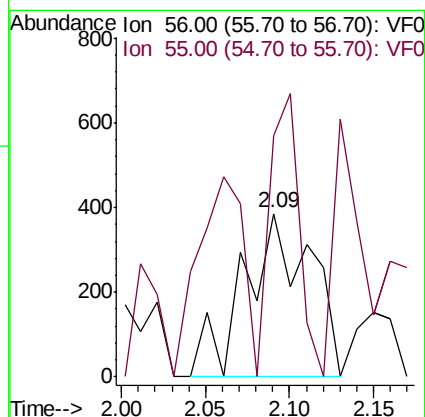
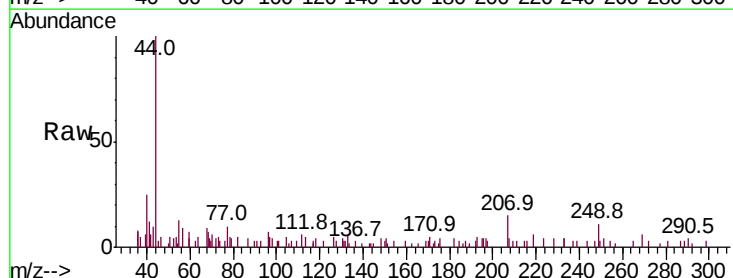
Delta R.T. -0.02 min

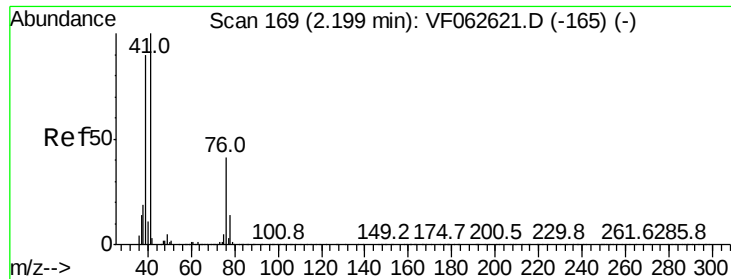
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion: 56 Resp: 1060

Ion	Ratio	Lower	Upper
56	100		
55	147.2	59.4	89.0#

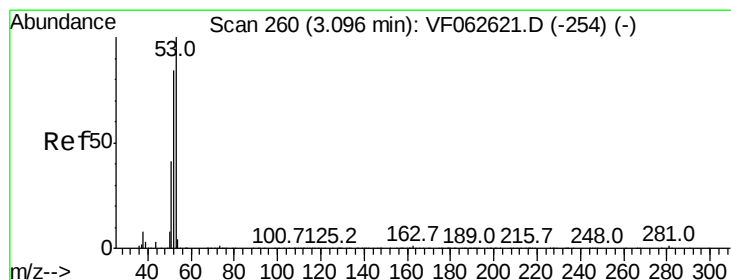
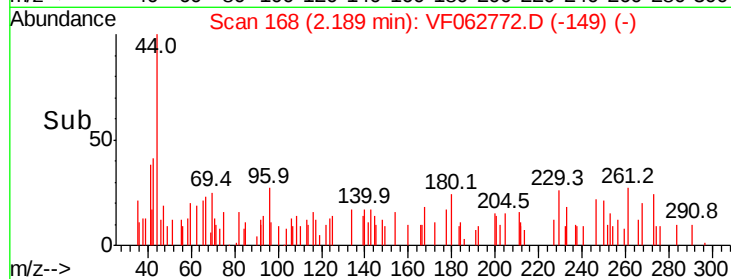
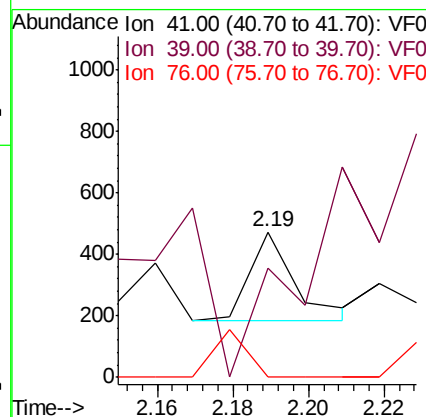
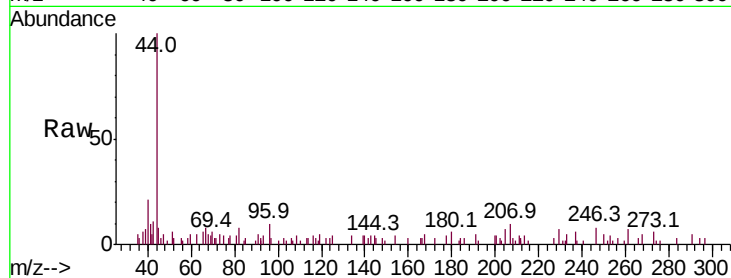




#14
Allvl chloride
Concen: 4.050 ug/l
RT: 2.19 min Scan# 168
Delta R.T. -0.01 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

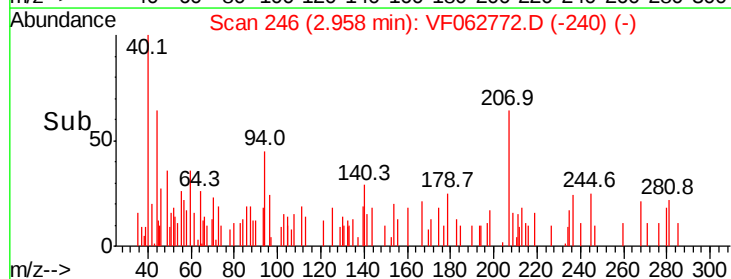
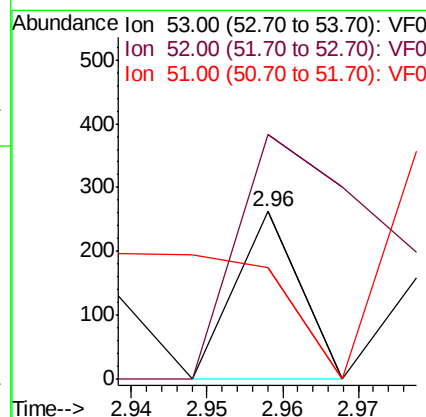
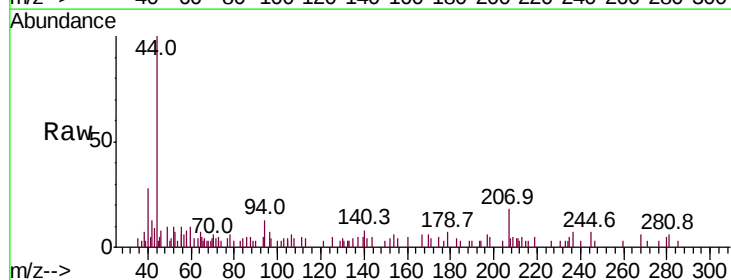
Instrument :
MSVOA_F
ClientSampled :
TP-8

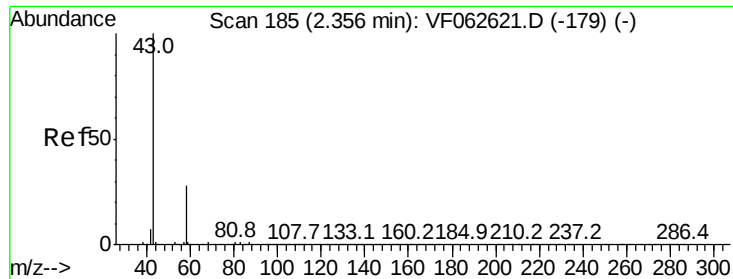
Tot Ion: 41 Resp: 240
Ion Ratio Lower Upper
41 100
39 75.1 72.0 108.0
76 0.0 34.8 52.2#



#15
Acrylonitrile
Concen: 16.159 ug/l
RT: 2.96 min Scan# 246
Delta R.T. -0.14 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion: 53 Resp: 155
Ion Ratio Lower Upper
53 100
52 98.5 67.3 100.9
51 45.0 33.0 49.6

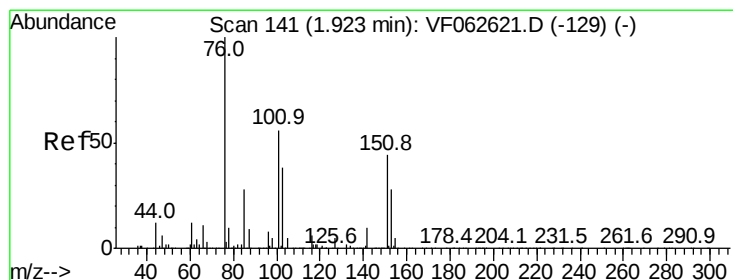
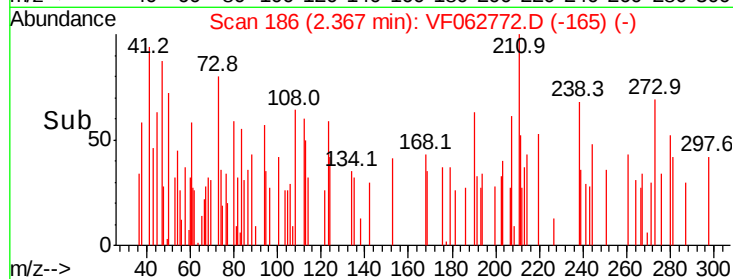
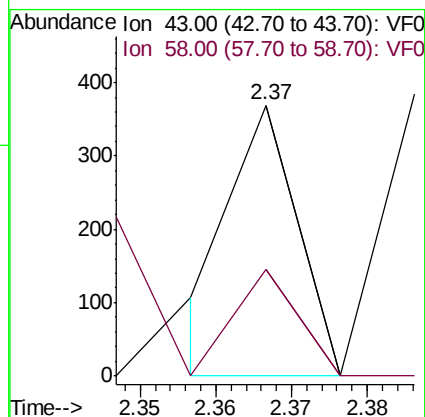
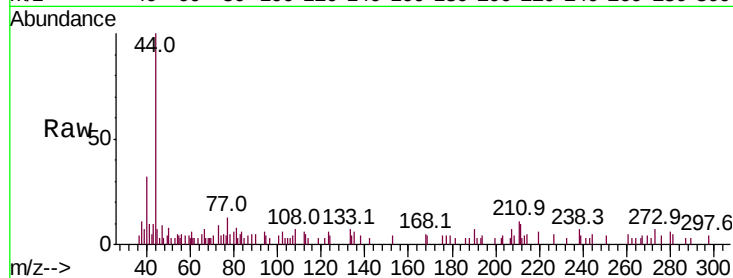




#16
Acetone
Concen: 16.314 ug/l
RT: 2.37 min Scan# 186
Delta R.T. 0.01 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

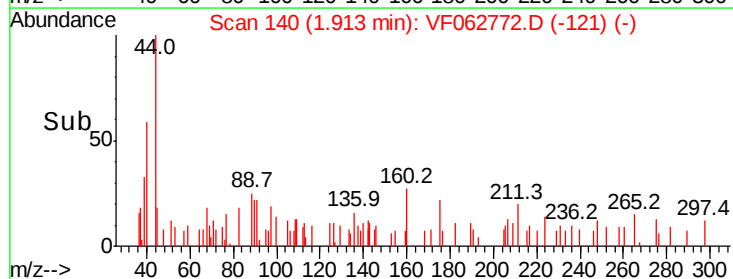
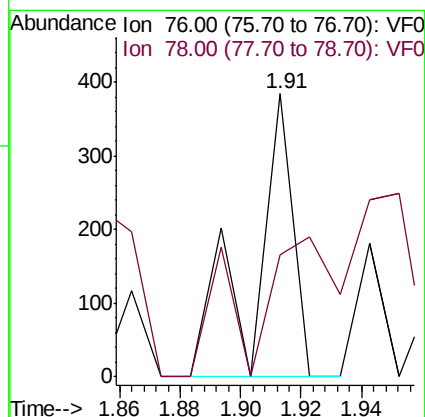
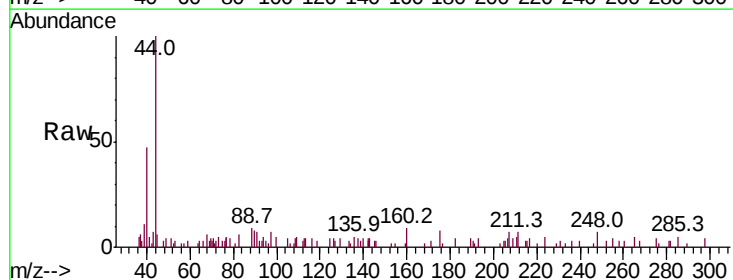
Instrument :
MSVOA_F
ClientSampleID :
TP-8

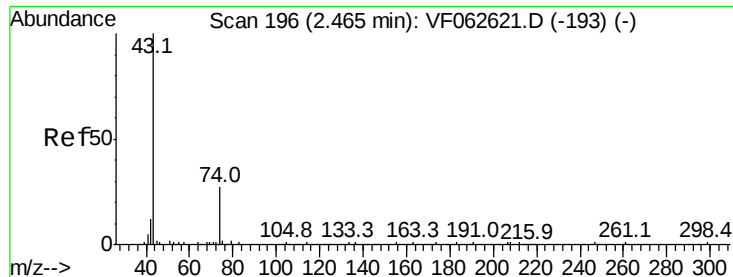
Tot Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
58 39.6 22.6 33.8#



#17
Carbon Disulfide
Concen: 1.788 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion: 76 Resp: 347
Ion Ratio Lower Upper
76 100
78 43.0 8.4 12.6#

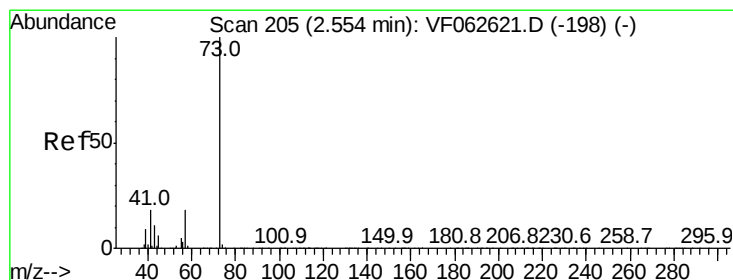
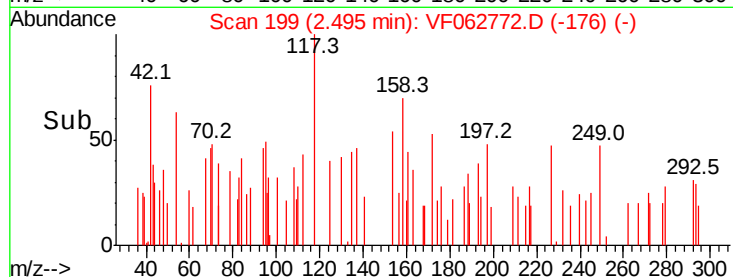
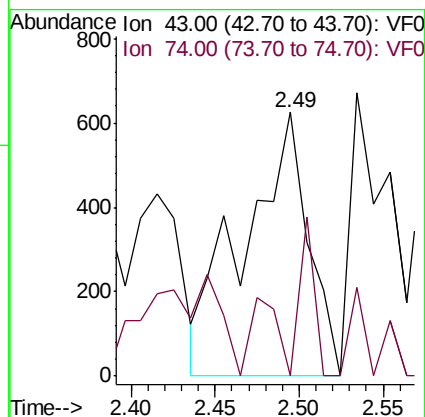
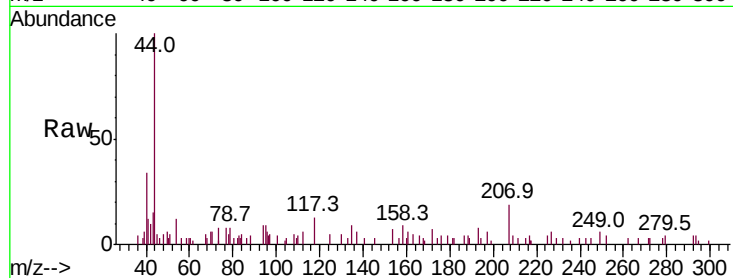




#18
Methyl Acetate
Concen: 79.005 ug/l
RT: 2.49 min Scan# 199
Delta R.T. 0.03 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

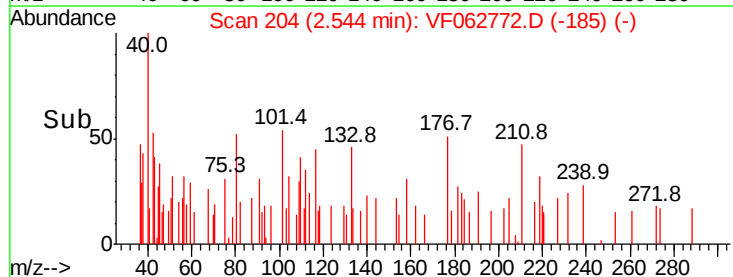
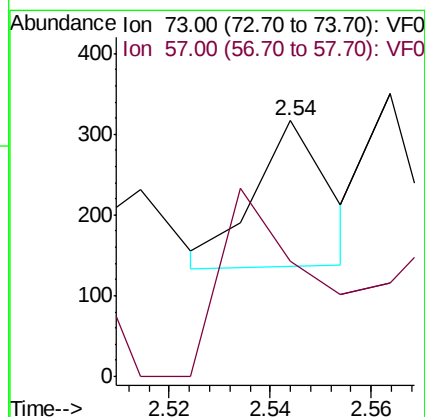
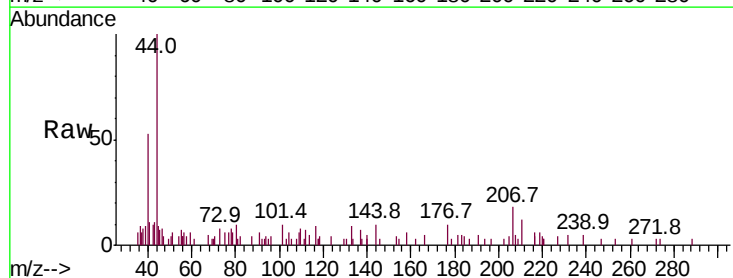
Instrument :
MSVOA_F
ClientSampled :
TP-8

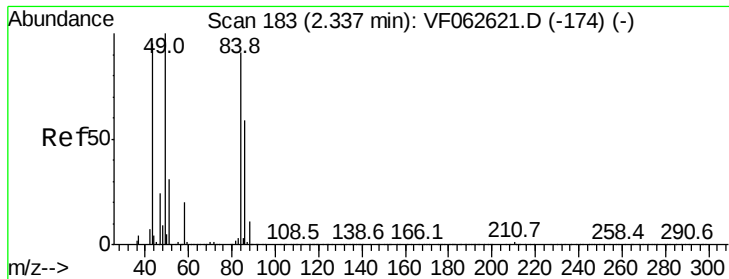
Tot Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#19
Methyl tert-butyl Ether
Concen: 1.580 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.01 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion: 73 Resp: 185
Ion Ratio Lower Upper
73 100
57 44.8 14.2 21.4#

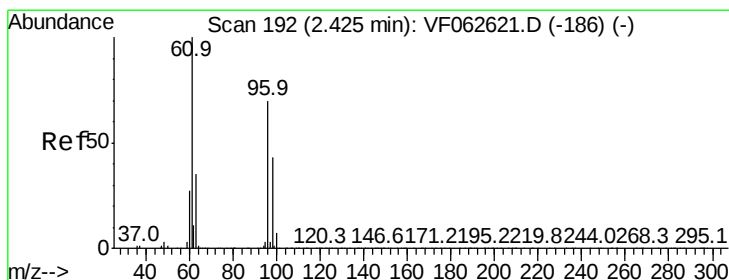
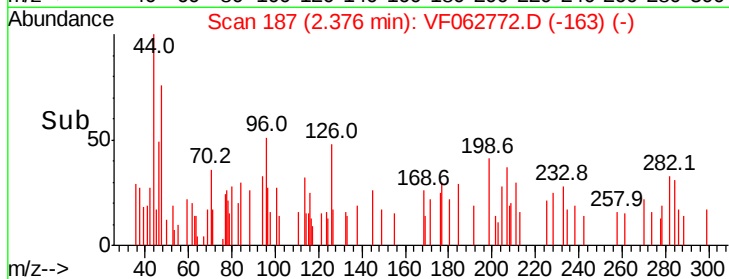
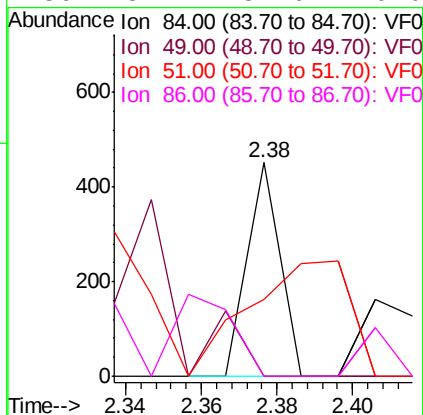
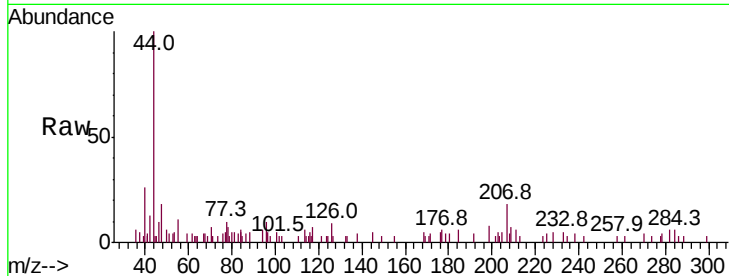




#20
Methvlene Chloride
Concen: 3.986 ug/l
RT: 2.38 min Scan# 187
Delta R.T. 0.04 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

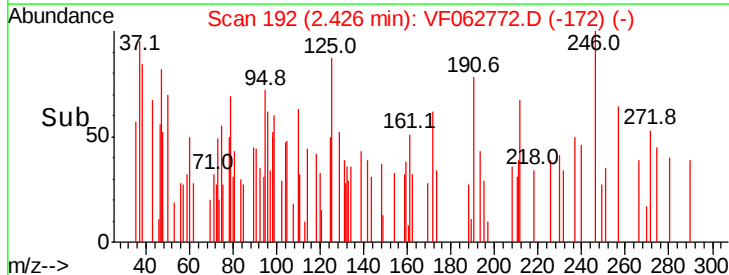
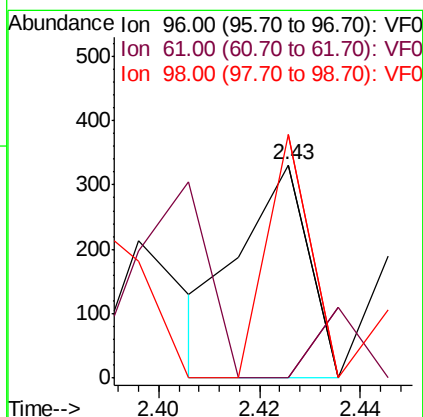
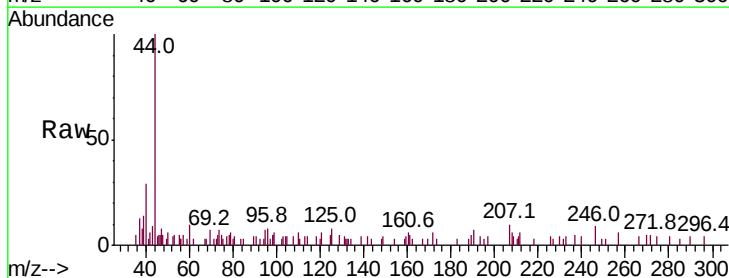
Instrument :
MSVOA_F
ClientSampled :
TP-8

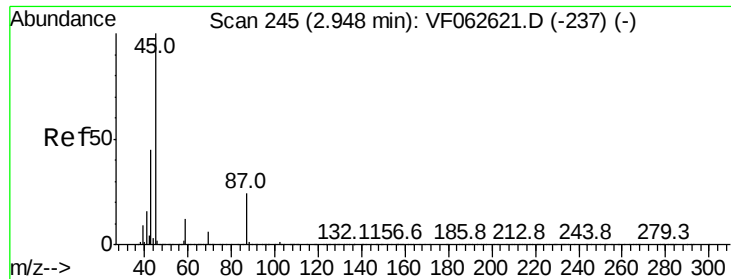
Tot Ion:	84	Resp:	267
Ion	Ratio	Lower	Upper
84	100		
49	0.0	89.8	134.8#
51	35.8	28.4	42.6
86	31.2	52.6	79.0#



#21
trans-1,2-Dichloroethene
Concen: 4.797 ug/l
RT: 2.43 min Scan# 192
Delta R.T. 0.00 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion:	96	Resp:	307
Ion	Ratio	Lower	Upper
96	100		
61	0.0	114.6	171.8#
98	114.2	49.5	74.3#





#22

Diisopropyl ether

Concen: 5.172 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.00 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

Tot Ion: 45 Resp: 756

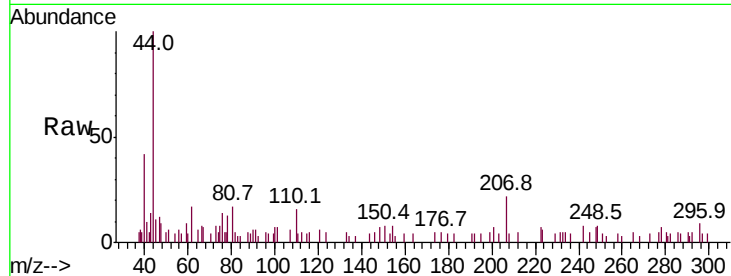
Ion Ratio Lower Upper

45 100

43 120.6 36.4 54.6#

87 48.0 19.3 28.9#

59 75.7 9.4 14.2#

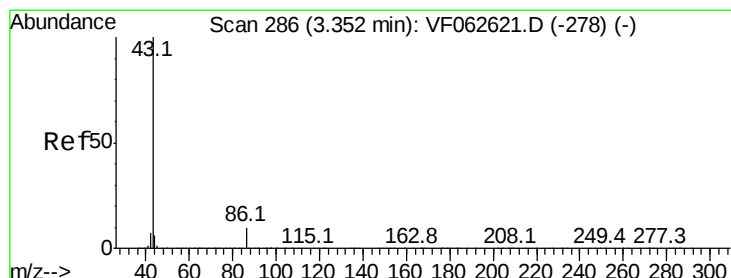
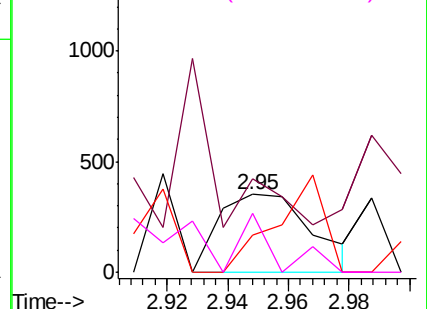
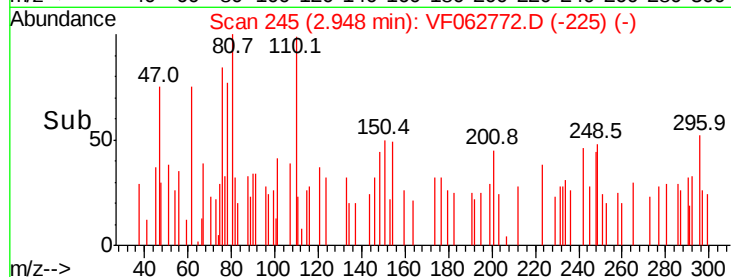


Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0



#23

Vinyl Acetate

Concen: 2.718 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF062772.D

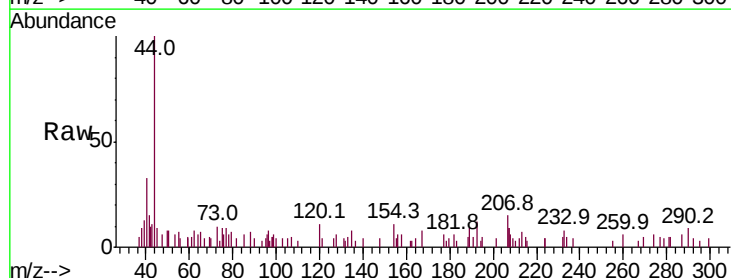
Acq: 28 May 2019 20:42

Tgt Ion: 43 Resp: 268

Ion Ratio Lower Upper

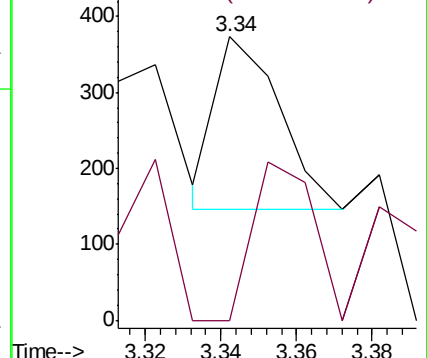
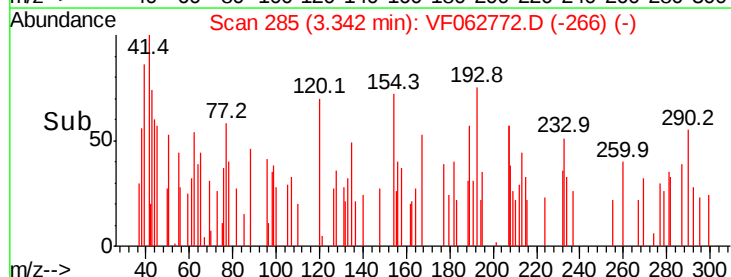
43 100

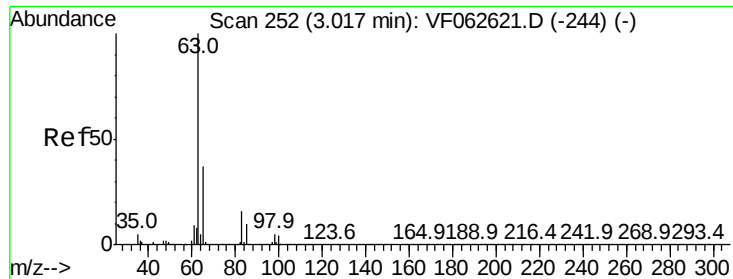
86 0.0 8.2 12.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0





#24

1,1-Dichloroethane

Concen: 1.651 ug/l

RT: 3.02 min Scan# 252

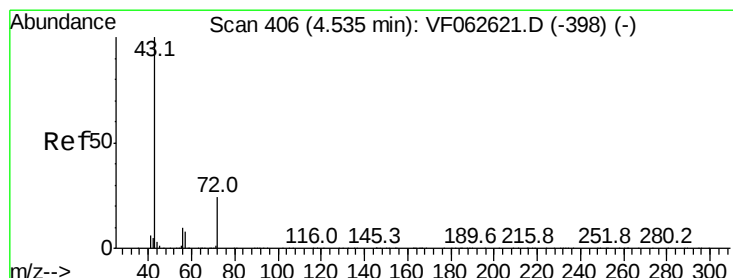
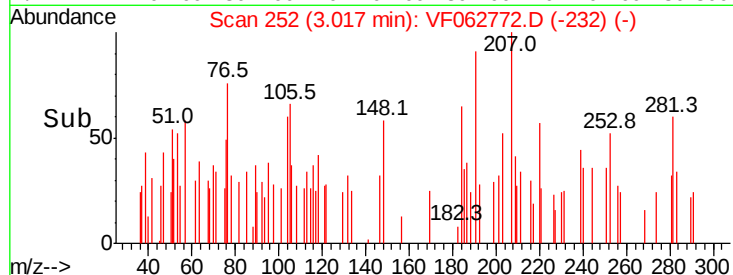
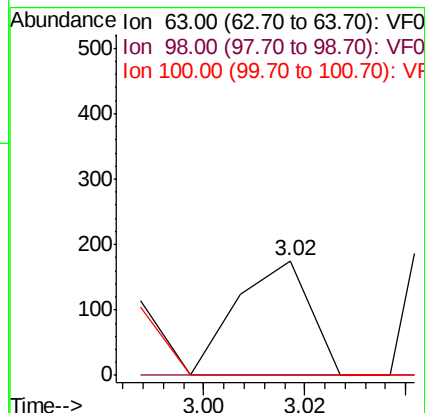
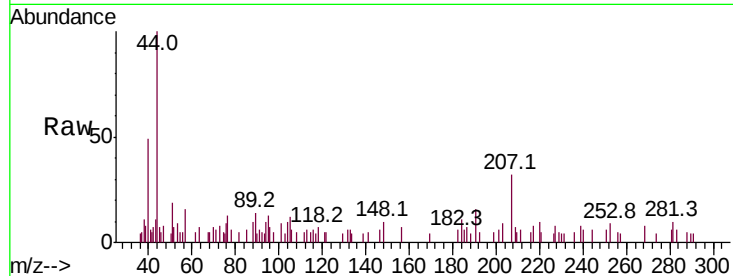
Delta R.T. 0.00 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampled :
TP-8

Tot Ion:	63	Resp:	177
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.8	8.3#
100	0.0	1.9	5.7#



#25

2-Butanone

Concen: 76.114 ug/l

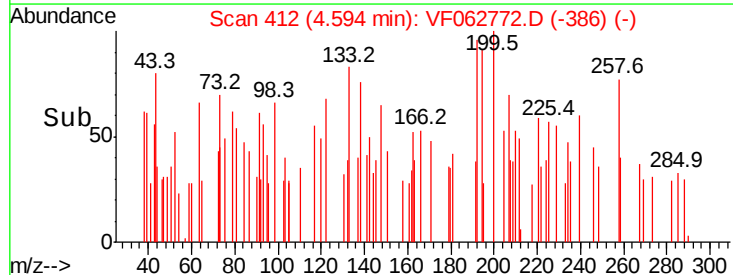
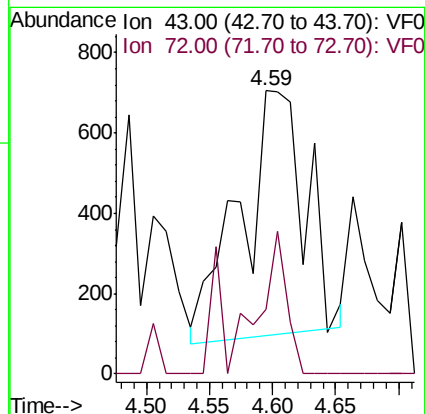
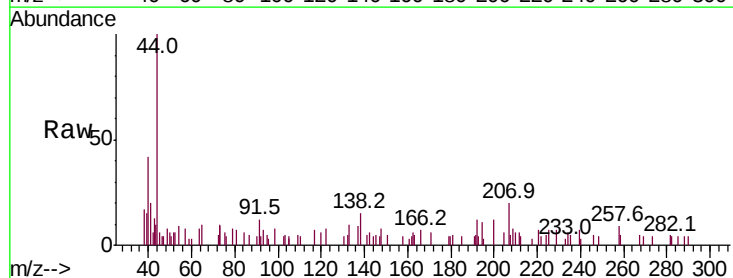
RT: 4.59 min Scan# 412

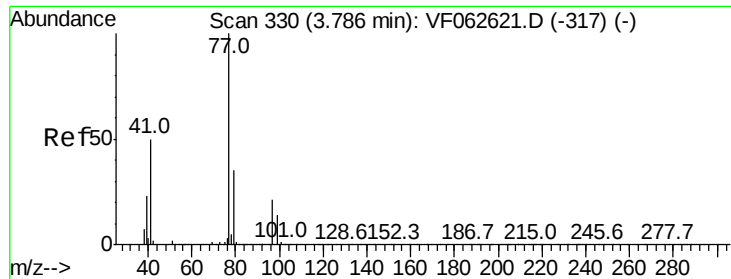
Delta R.T. 0.06 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion:	43	Resp:	2173
Ion	Ratio	Lower	Upper
43	100		
72	22.8	20.1	30.1





#26

2,2-Dichloropropane

Concen: 11.002 ug/l

RT: 3.92 min Scan# 344

Delta R.T. 0.14 min

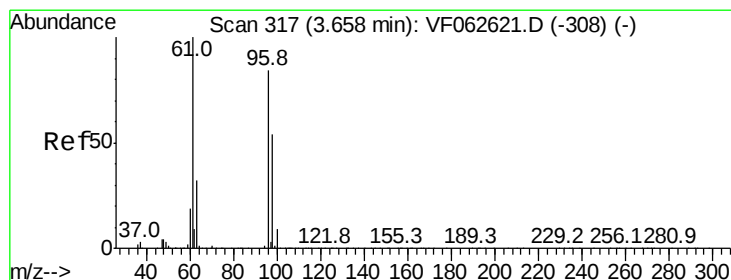
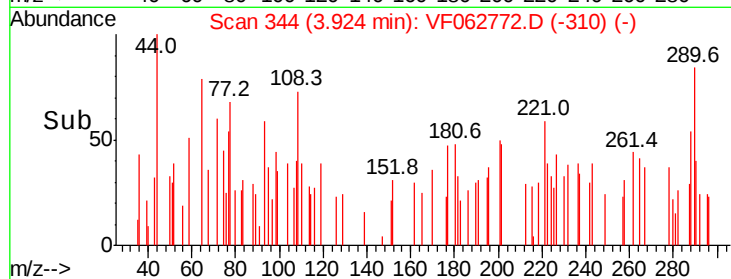
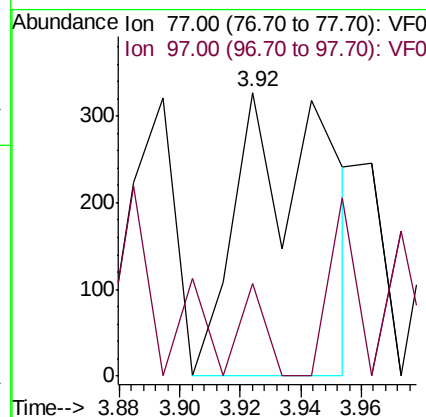
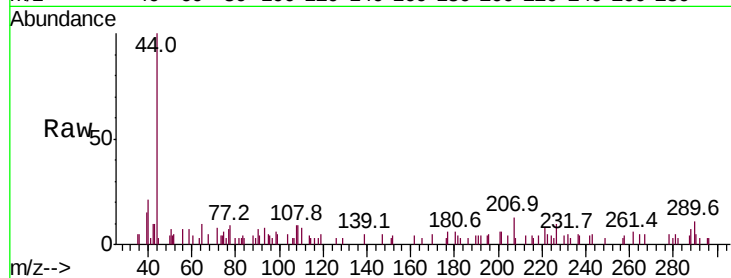
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampled :
TP-8

Tot Ion: 77 Resp: 675

Ion	Ratio	Lower	Upper
77	100		
97	32.7	14.1	42.4



#27

cis-1,2-Dichloroethene

Concen: 9.518 ug/l

RT: 3.67 min Scan# 318

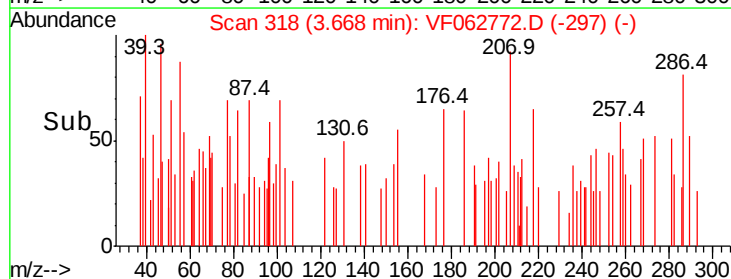
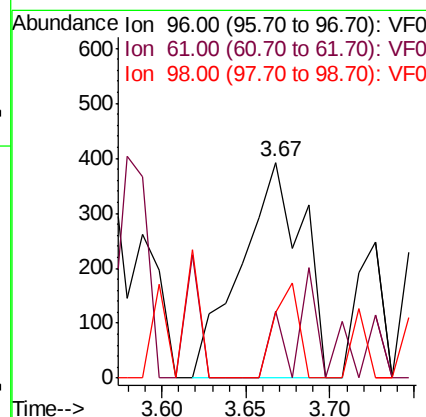
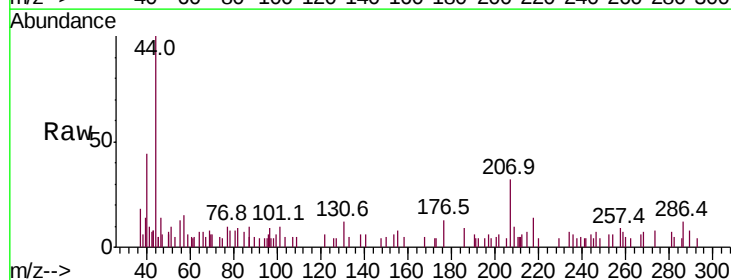
Delta R.T. 0.01 min

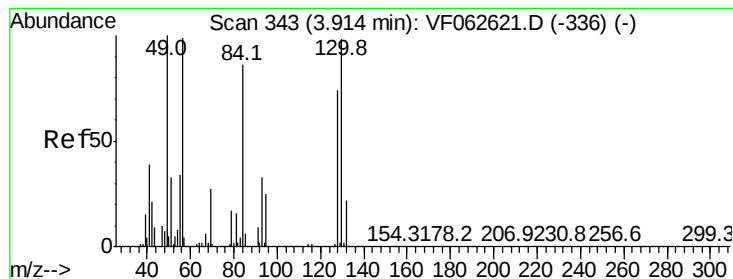
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion: 96 Resp: 1002

Ion	Ratio	Lower	Upper
96	100		
61	30.8	0.0	237.4
98	30.3	0.0	129.0





#28

Bromochloromethane

Concen: 4.756 ug/l

RT: 3.91 min Scan# 343

Delta R.T. 0.00 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampled :
TP-8

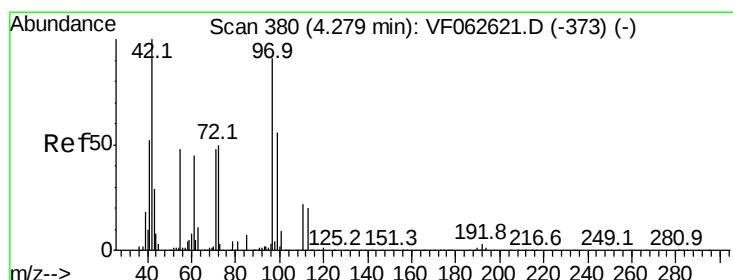
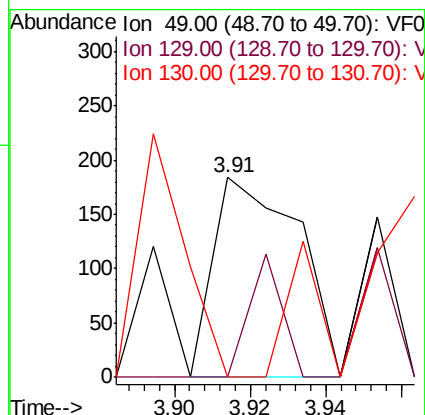
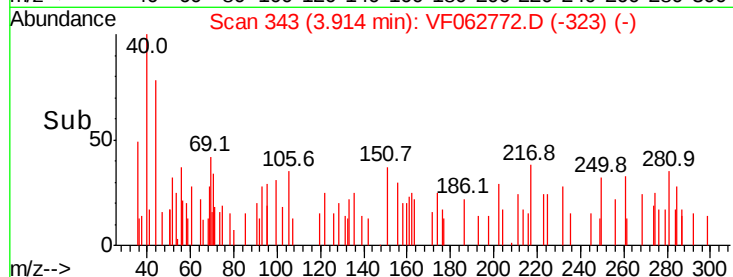
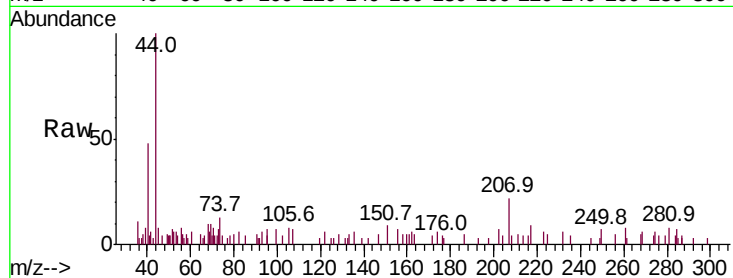
Tot Ion: 49 Resp: 286

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 77.8 116.8#



#29

Tetrahydrofuran

Concen: 62.062 ug/l

RT: 4.34 min Scan# 386

Delta R.T. 0.06 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

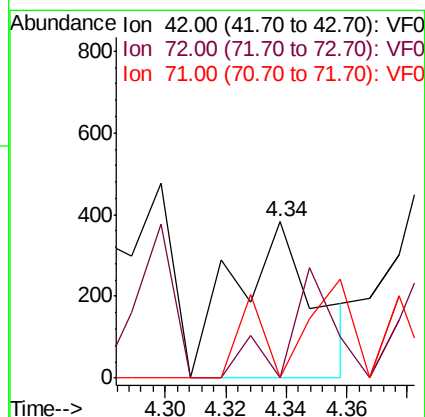
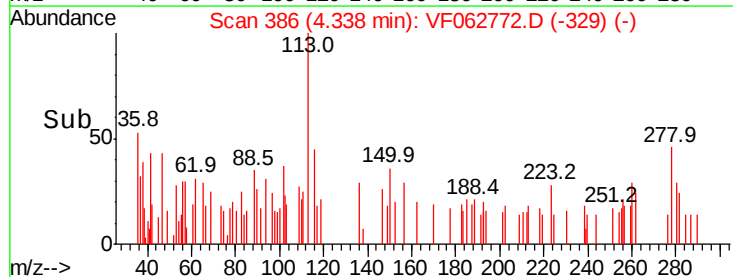
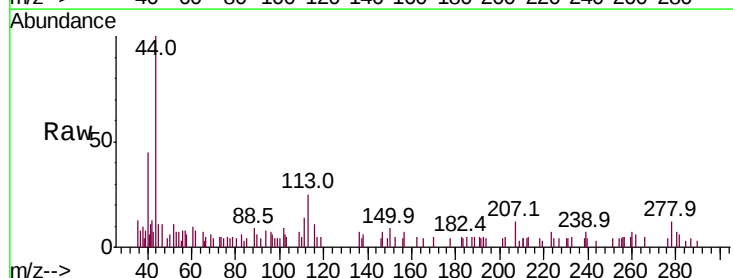
Tgt Ion: 42 Resp: 717

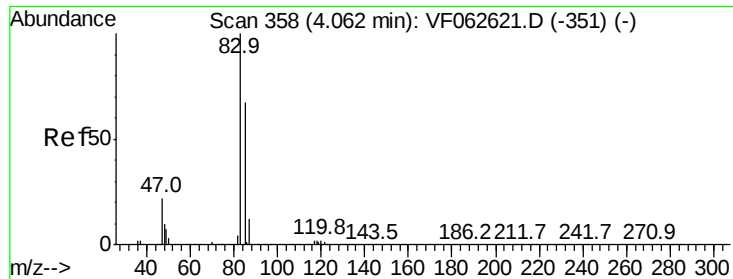
Ion Ratio Lower Upper

42 100

72 39.3 38.2 57.2

71 48.4 35.8 53.6

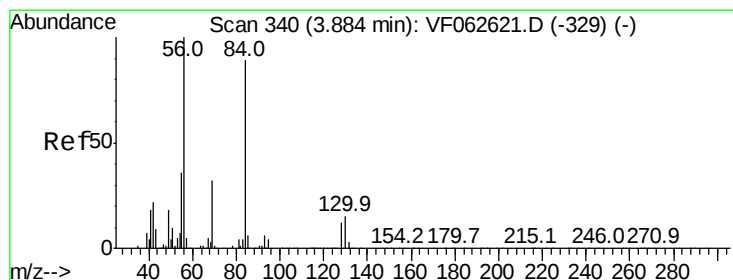
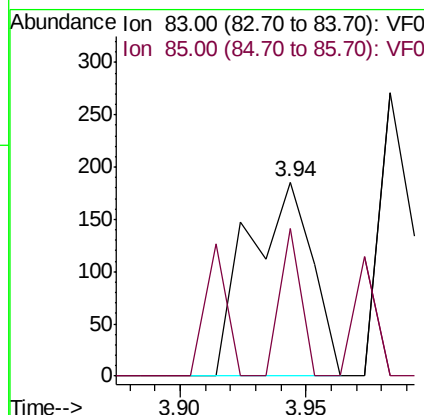
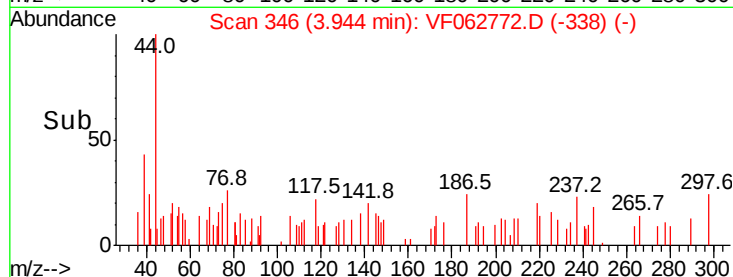
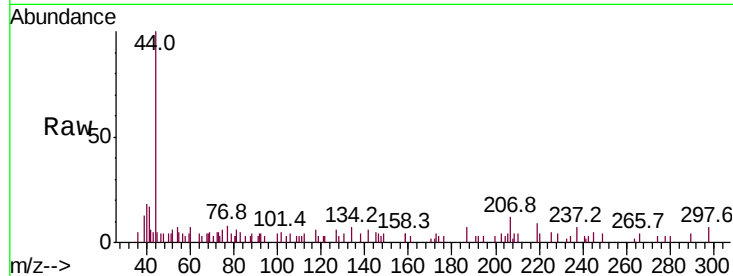




#30
Chloroform
Concen: 2.197 ug/l
RT: 3.94 min Scan# 346
Delta R.T. -0.12 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

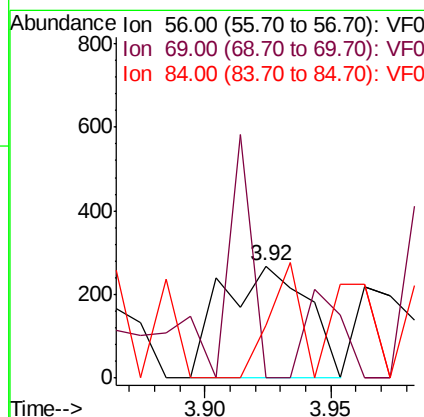
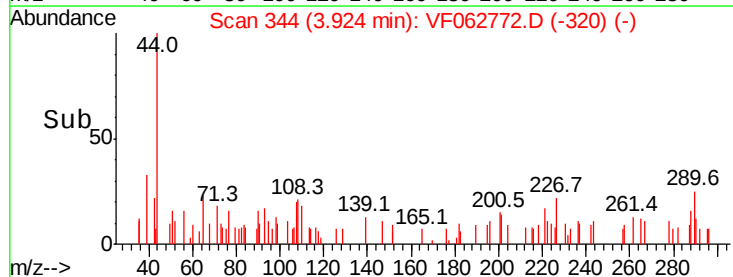
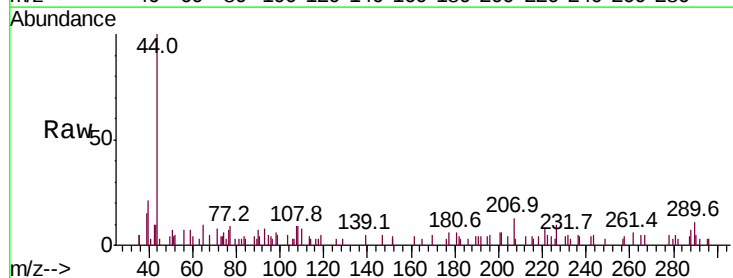
Instrument :
MSVOA_F
ClientSampleId :
TP-8

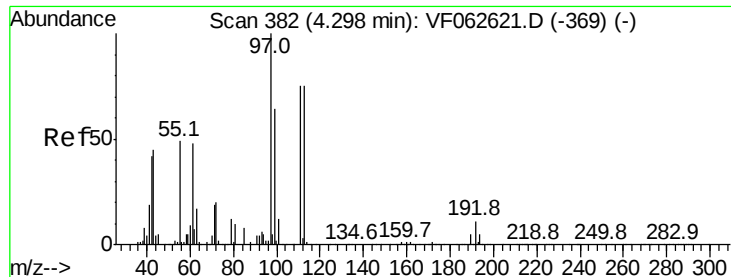
Tot Ion: 83 Resp: 327
Ion Ratio Lower Upper
83 100
85 76.3 53.6 80.4



#31
Cyclohexane
Concen: 4.424 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.04 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion: 56 Resp: 637
Ion Ratio Lower Upper
56 100
69 0.0 25.3 37.9#
84 47.4 71.0 106.4#





#32

1,1,1-Trichloroethane

Concen: 4.997 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

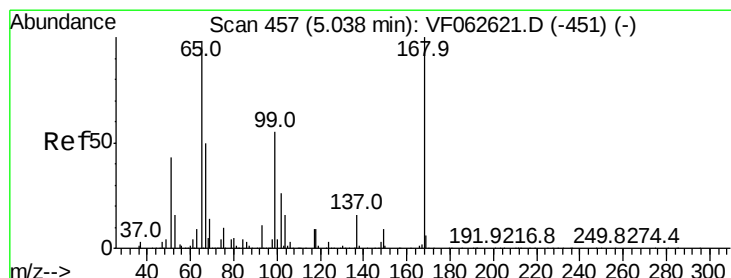
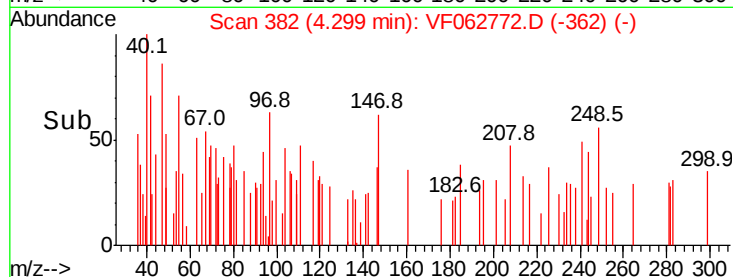
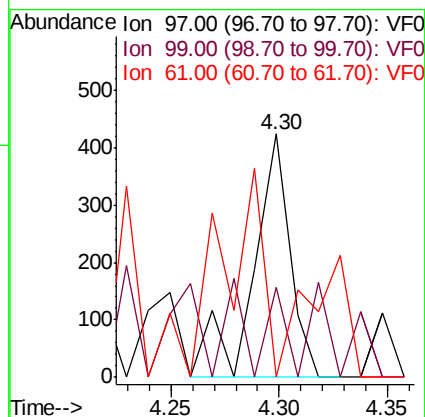
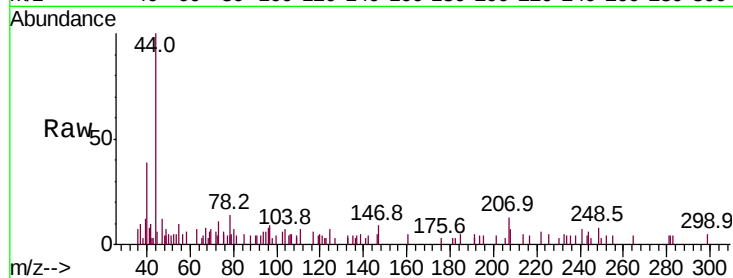
Tot Ion: 97 Resp: 494

Ion Ratio Lower Upper

97 100

99 37.0 51.3 76.9#

61 0.0 38.2 57.2#



#33

1,2-Dichloroethane-d4

Concen: 27.316 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062772.D

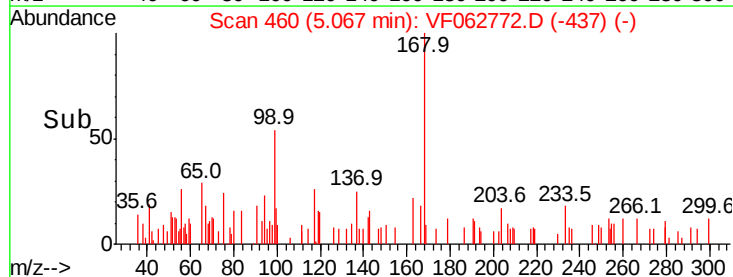
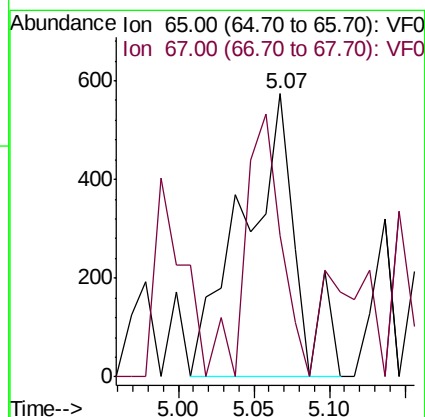
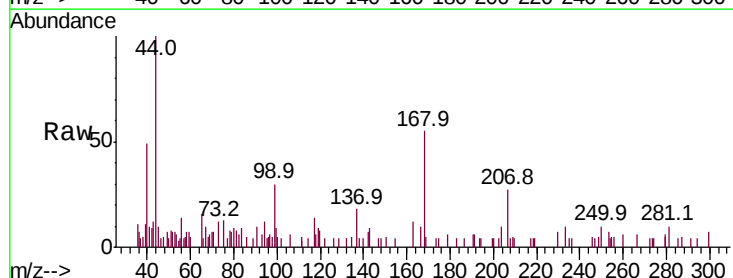
Acq: 28 May 2019 20:42

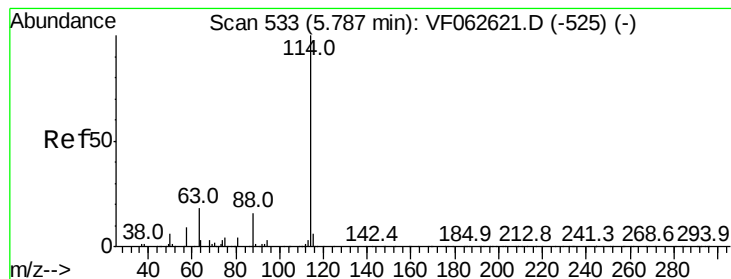
Tgt Ion: 65 Resp: 1407

Ion Ratio Lower Upper

65 100

67 49.9 0.0 117.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.82 min Scan# 536

Delta R.T. 0.03 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

TP-8

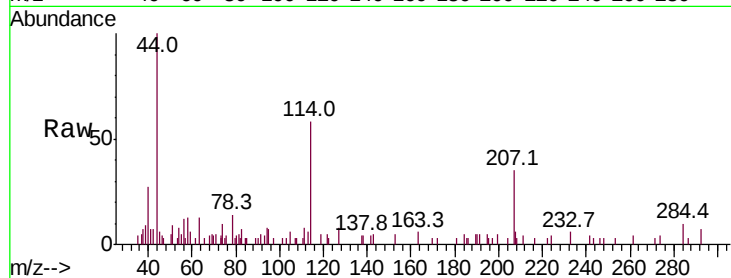
Tot Ion:114 Resp: 8371

Ion Ratio Lower Upper

114 100

63 23.1 0.0 35.4

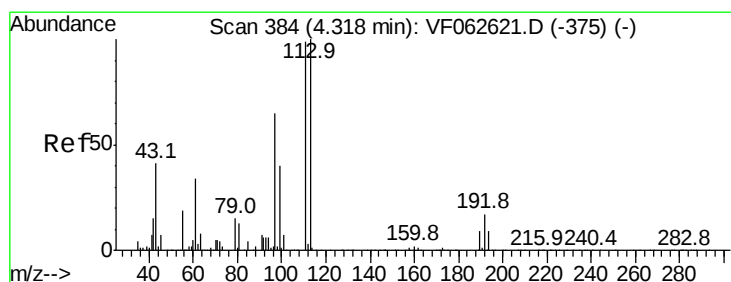
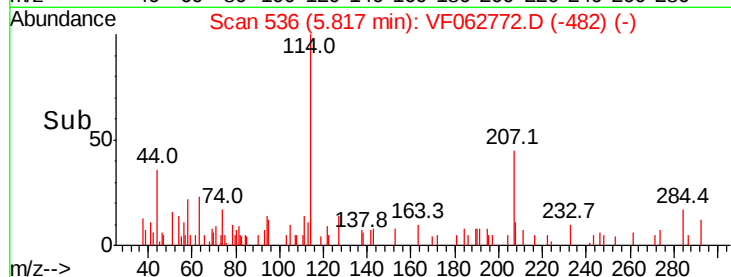
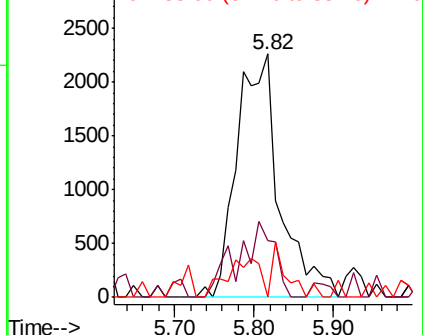
88 0.0 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 33.331 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

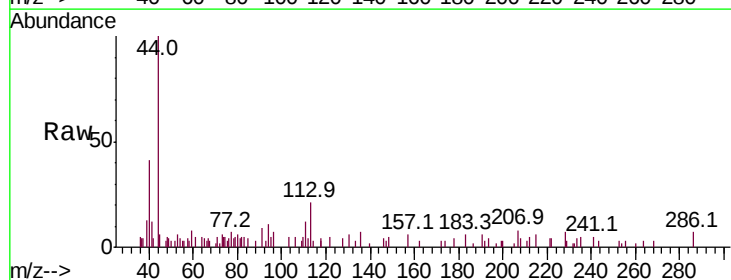
Tgt Ion:113 Resp: 2135

Ion Ratio Lower Upper

113 100

111 58.4 79.4 119.2#

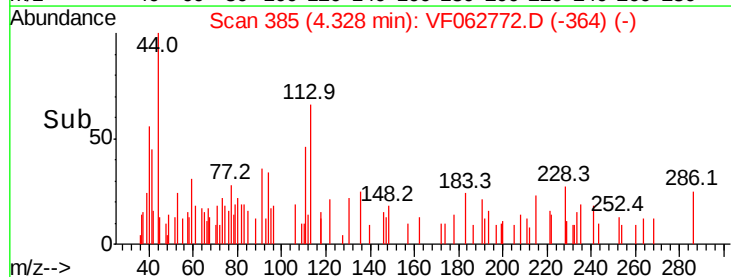
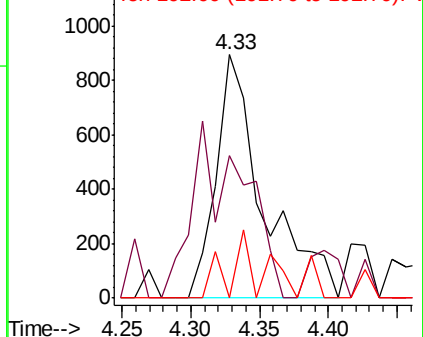
192 0.0 13.4 20.2#

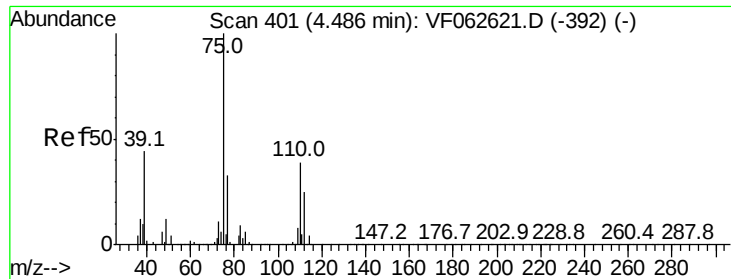


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#36

1,1-Dichloropropene

Concen: 2.425 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.03 min

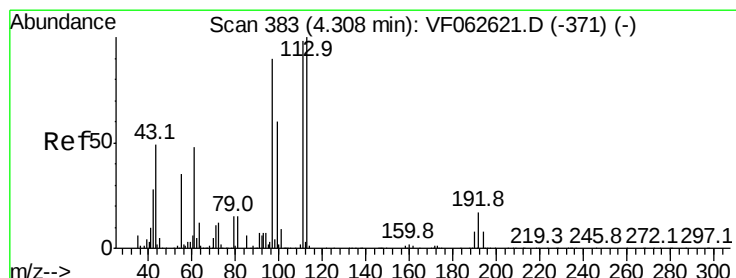
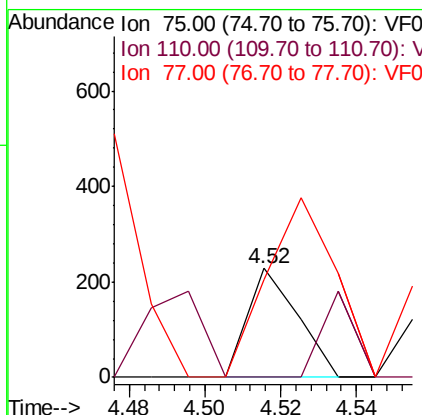
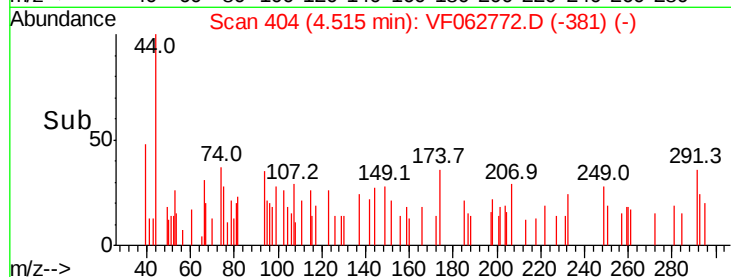
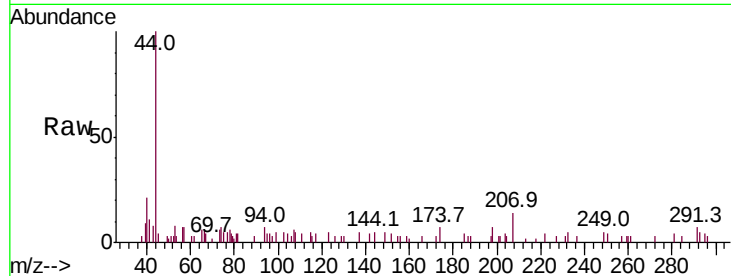
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampleId :
TP-8

Tot Ion: 75 Resp: 208

Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.1#
77	90.4	26.3	39.5#



#37

Ethyl Acetate

Concen: 20.729 ug/l

RT: 4.36 min Scan# 388

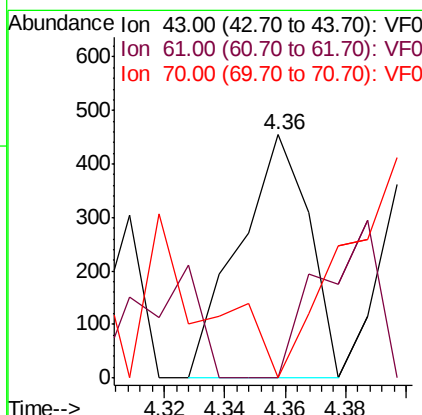
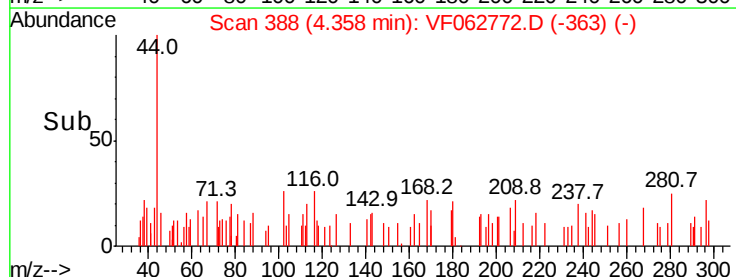
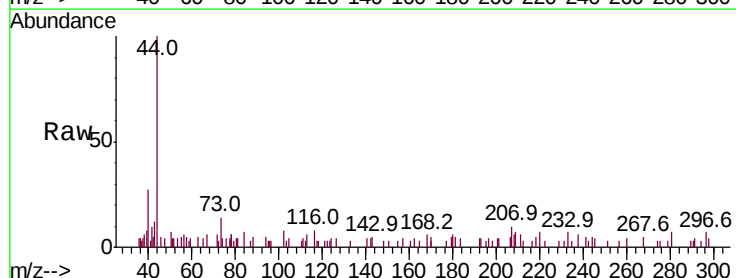
Delta R.T. 0.05 min

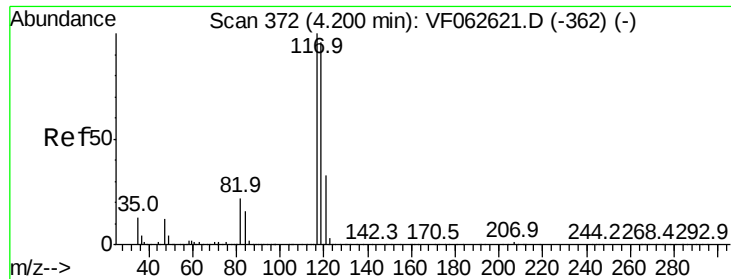
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion: 43 Resp: 726

Ion	Ratio	Lower	Upper
43	100		
61	0.0	76.9	115.3#
70	0.0	8.8	13.2#





#38

Carbon Tetrachloride

Concen: 3.844 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.04 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

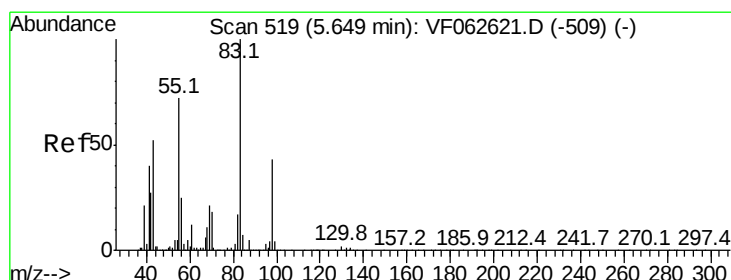
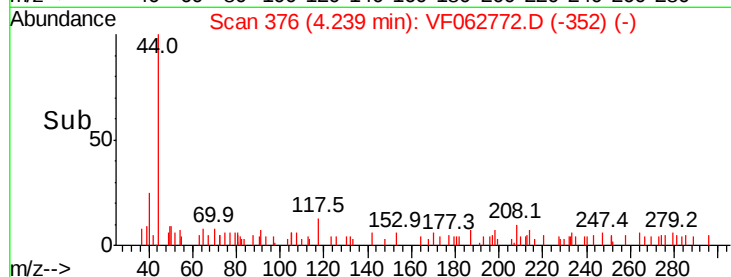
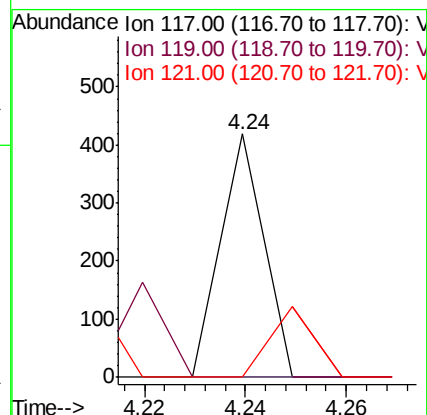
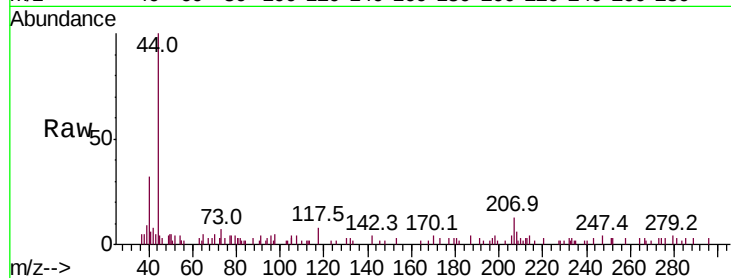
Tot Ion:117 Resp: 248

Ion Ratio Lower Upper

117 100

119 0.0 76.7 115.1#

121 0.0 26.6 40.0#



#39

Methylcyclohexane

Concen: 1.744 ug/l

RT: 5.69 min Scan# 523

Delta R.T. 0.04 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

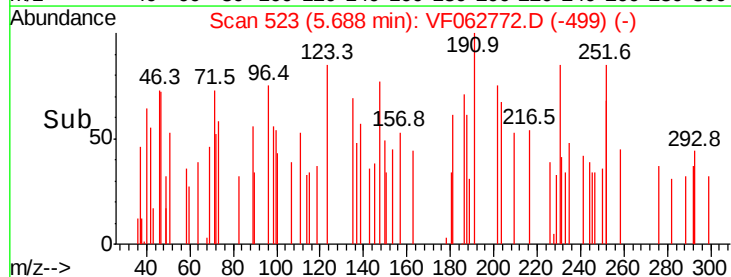
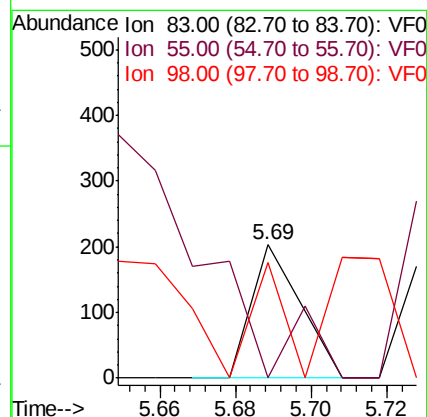
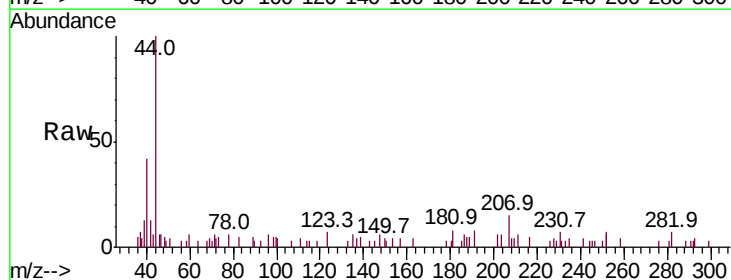
Tgt Ion: 83 Resp: 180

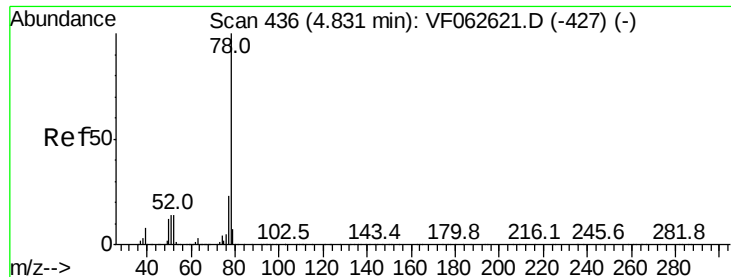
Ion Ratio Lower Upper

83 100

55 0.0 57.9 86.9#

98 87.2 34.6 52.0#





#40

Benzene

Concen: 2.820 ug/l

RT: 4.89 min Scan# 442

Delta R.T. 0.06 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

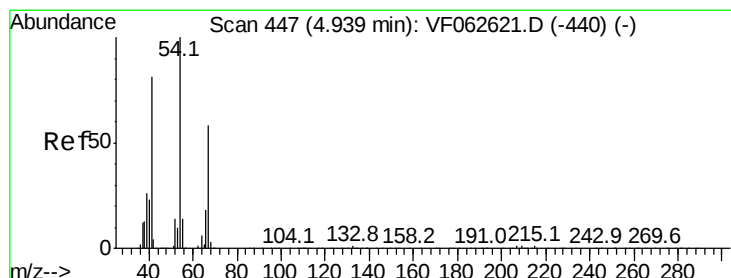
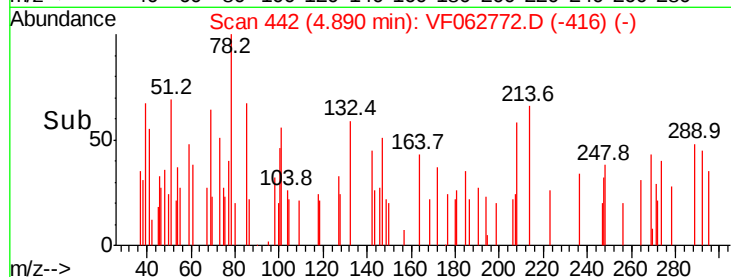
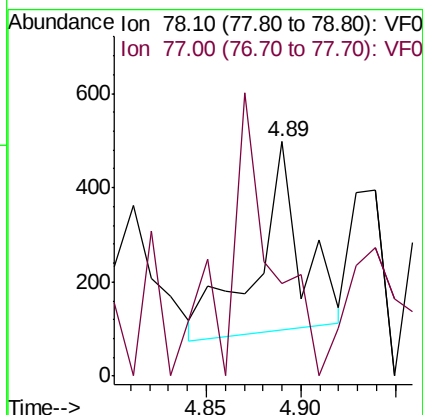
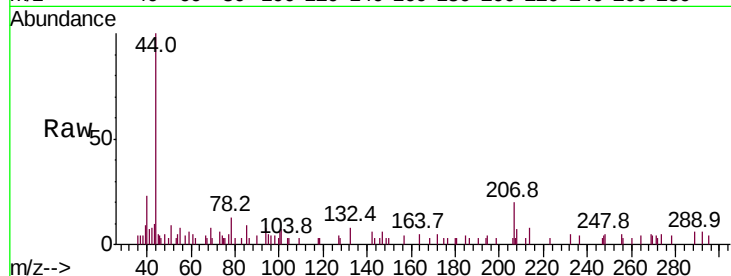
TP-8

Tot Ion: 78 Resp: 659

Ion Ratio Lower Upper

78 100

77 39.6 18.2 27.2#



#41

Methacrylonitrile

Concen: 55.714 ug/l

RT: 4.94 min Scan# 447

Delta R.T. 0.00 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion: 41 Resp: 1023

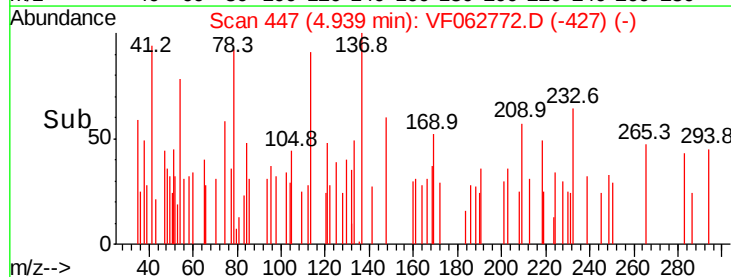
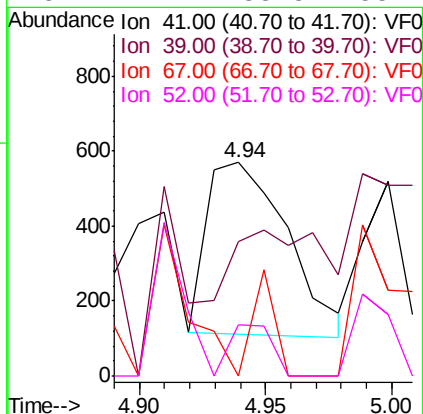
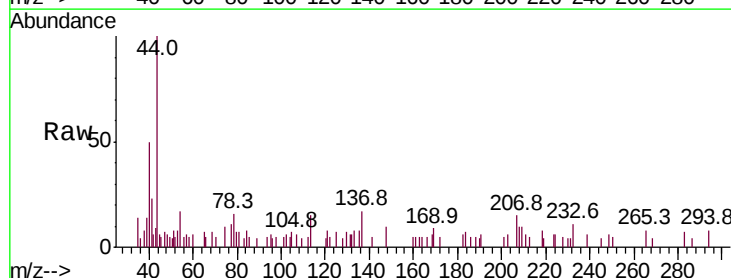
Ion Ratio Lower Upper

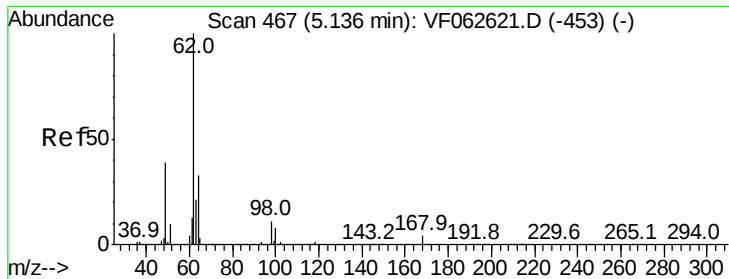
41 100

39 63.0 42.2 63.2

67 0.0 56.4 84.6#

52 24.2 38.8 58.2#





#42

1,2-Dichloroethane

Concen: 8.906 ug/l

RT: 5.14 min Scan# 467

Delta R.T. 0.00 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

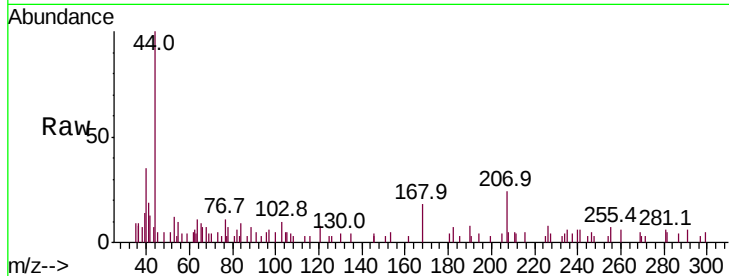
Instrument :
MSVOA_F
ClientSampleId :
TP-8

Tot Ion: 62 Resp: 415

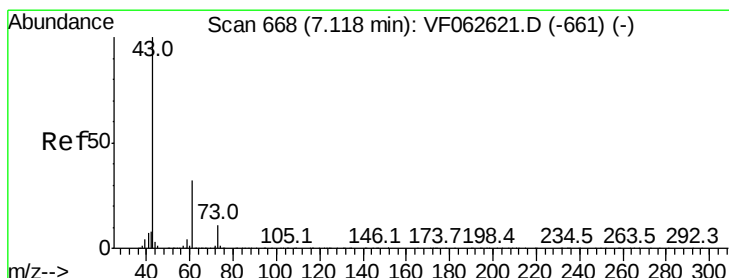
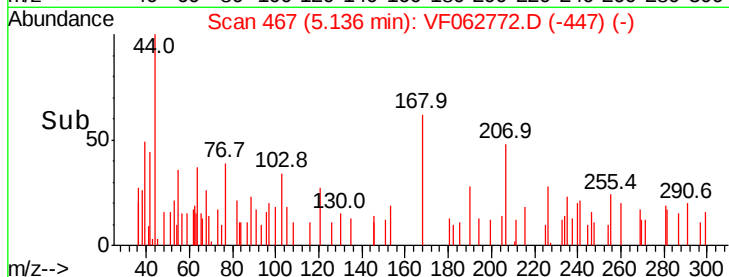
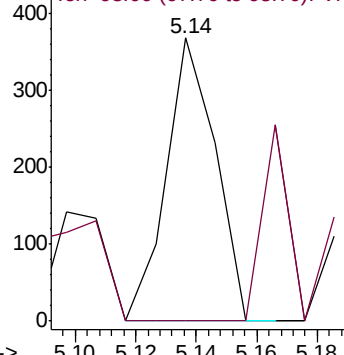
Ion Ratio Lower Upper

62 100

98 0.0 0.0 21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#43

Isopropyl Acetate

Concen: 10.116 ug/l

RT: 7.14 min Scan# 670

Delta R.T. 0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

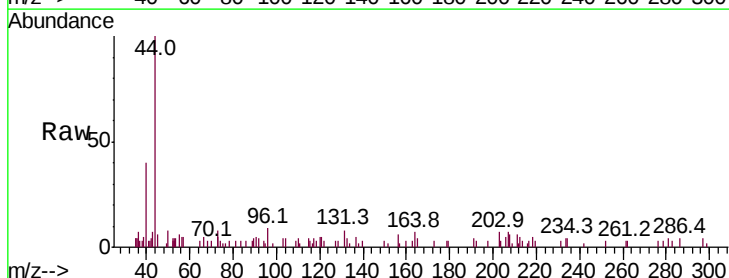
Tgt Ion: 43 Resp: 459

Ion Ratio Lower Upper

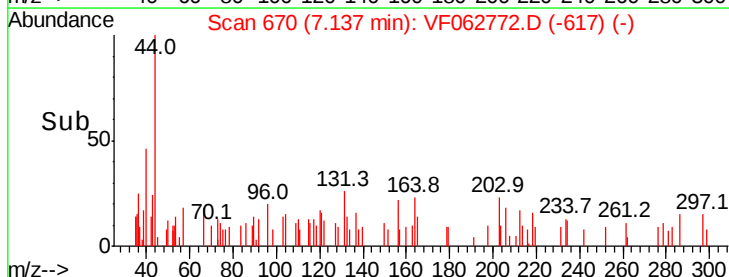
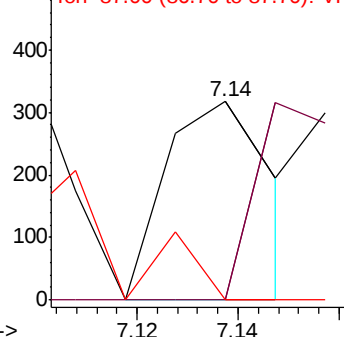
43 100

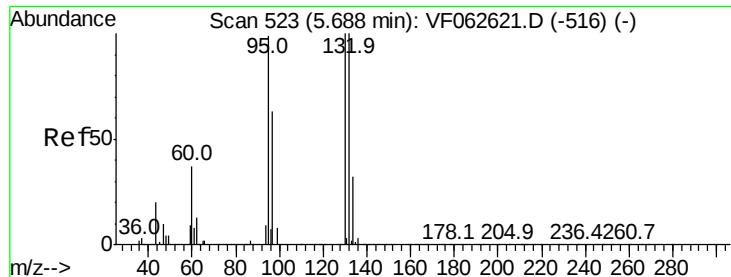
61 0.0 25.8 38.8#

87 0.0 0.4 0.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0





#44

Trichloroethene

Concen: 4.918 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.07 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

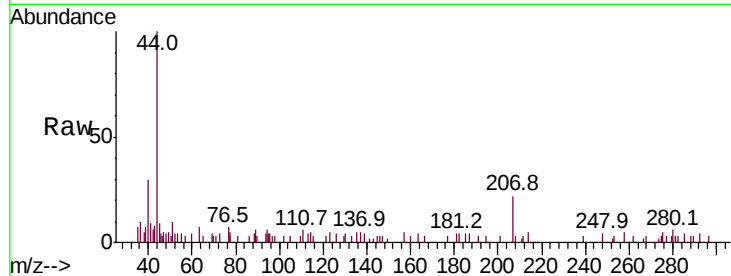
Instrument :
MSVOA_F
ClientSampleId :
TP-8

Tot Ion:130 Resp: 323

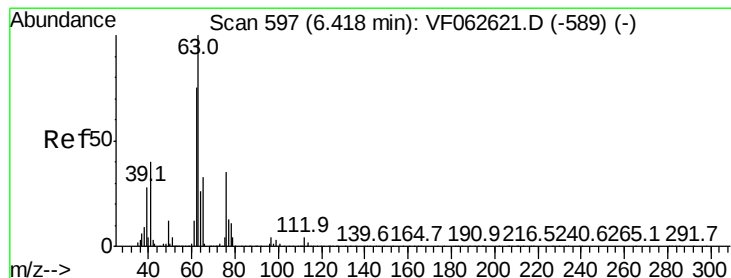
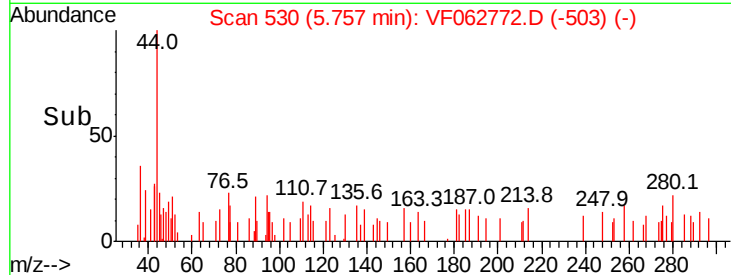
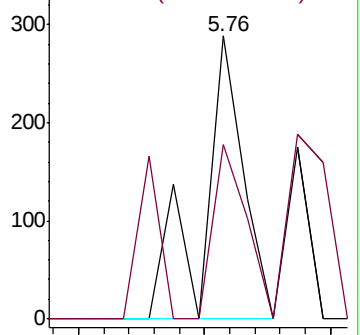
Ion Ratio Lower Upper

130 100

95 61.8 0.0 199.4



Abundance Ion 129.90 (129.60 to 130.60): VF0



#45

1,2-Dichloropropane

Concen: 1.305 ug/l

RT: 6.45 min Scan# 600

Delta R.T. 0.03 min

Lab File: VF062772.D

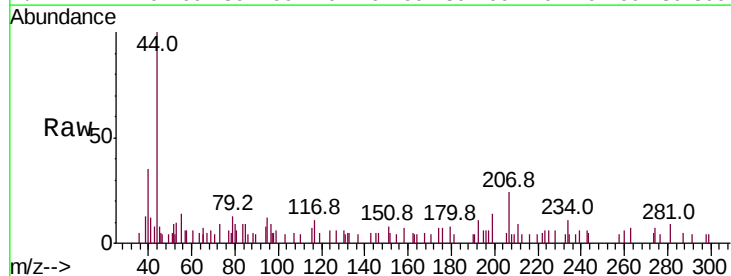
Acq: 28 May 2019 20:42

Tgt Ion: 63 Resp: 77

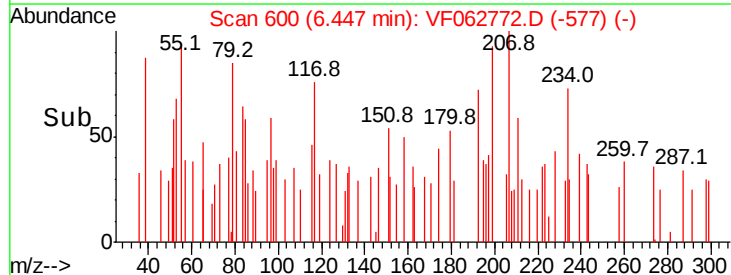
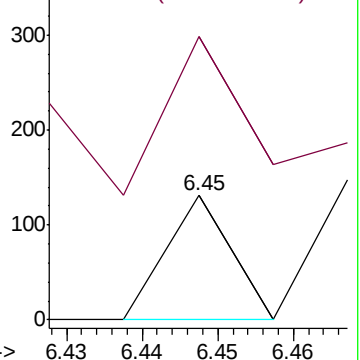
Ion Ratio Lower Upper

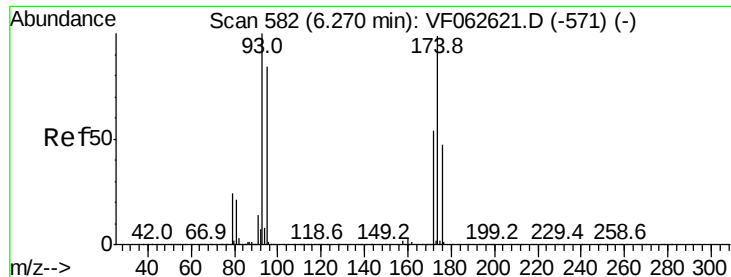
63 100

65 227.5 26.3 39.5#



Abundance Ion 63.00 (62.70 to 63.70): VF0





#46

Dibromomethane

Concen: 5.397 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampleId :
TP-8

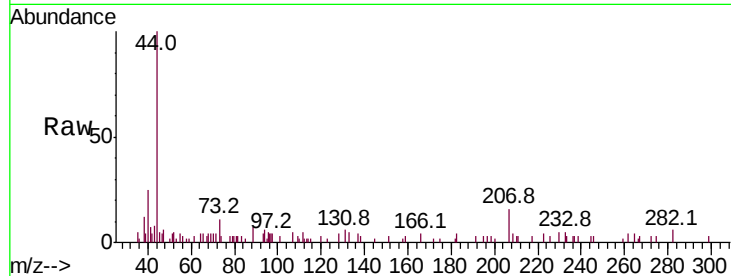
Tot Ion: 93 Resp: 184

Ion Ratio Lower Upper

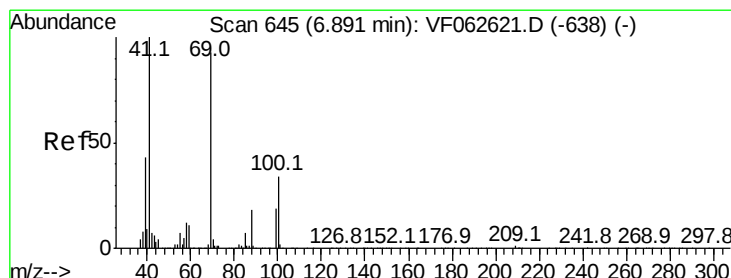
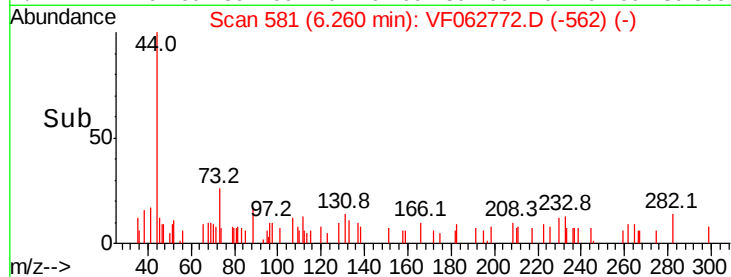
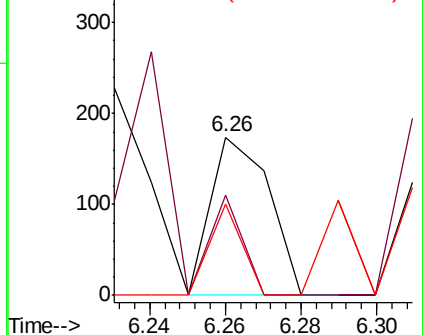
93 100

95 198.9 67.4 101.2#

174 58.0 79.4 119.2#



Abundance Ion 93.00 (92.70 to 93.70): VF0
Ion 95.00 (94.70 to 95.70): VF0
Ion 174.00 (173.70 to 174.70): V



#48

Methyl methacrylate

Concen: 47.943 ug/l

RT: 6.90 min Scan# 646

Delta R.T. 0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

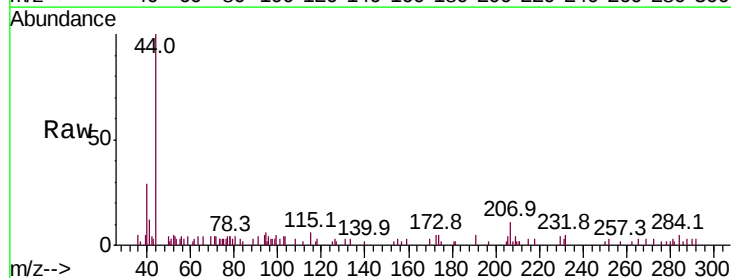
Tgt Ion: 41 Resp: 1137

Ion Ratio Lower Upper

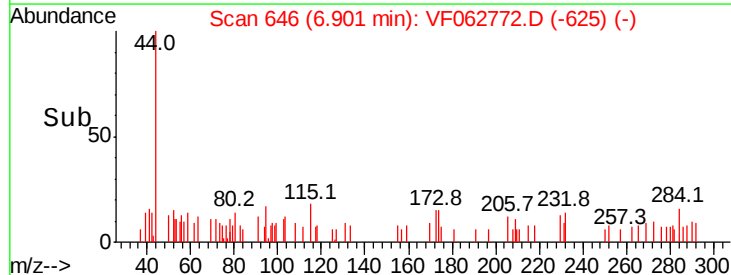
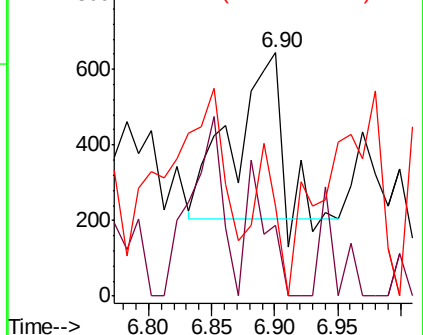
41 100

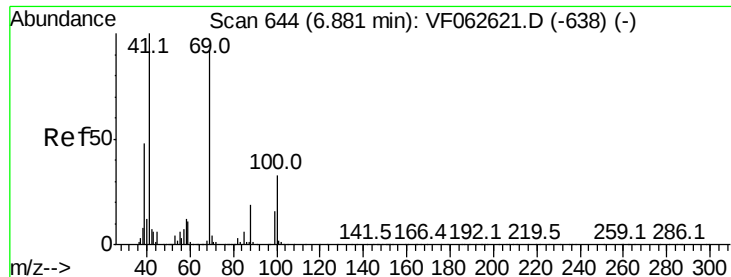
69 28.9 74.2 111.2#

39 36.8 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

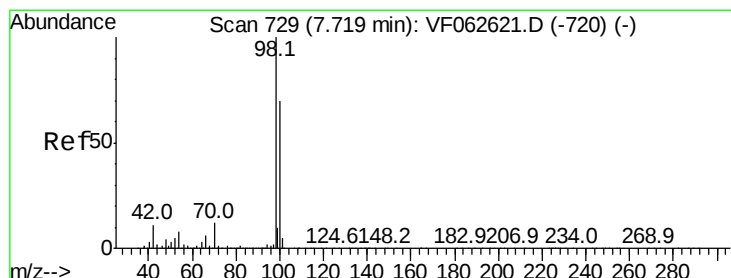
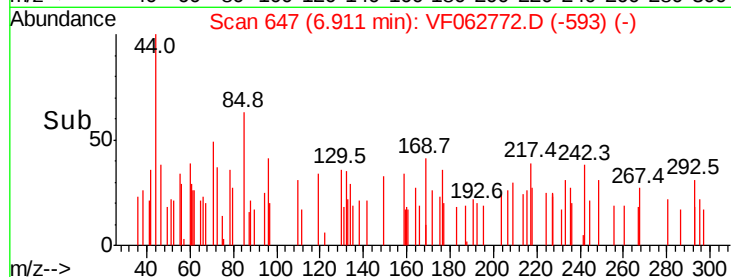
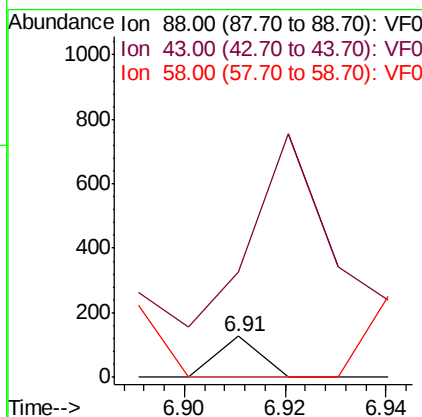
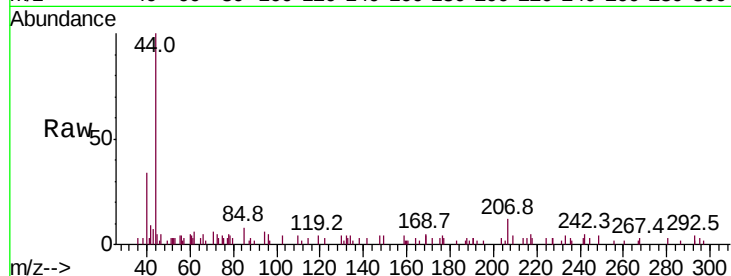




#49
1,4-Dioxane
Concen: 246.912 ug/l
RT: 6.91 min Scan# 647
Delta R.T. 0.03 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

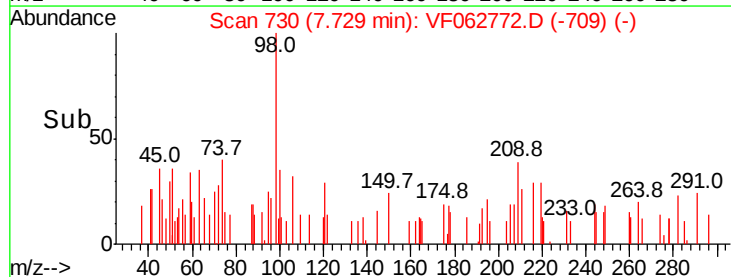
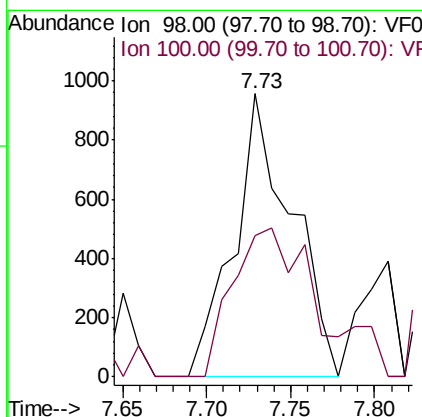
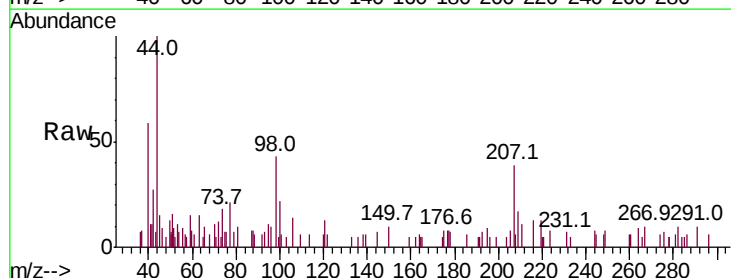
Instrument :
MSVOA_F
ClientSampleId :
TP-8

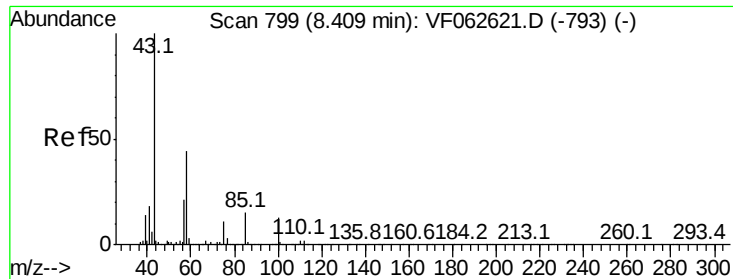
Tot Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 256.7 30.0 45.0#
58 0.0 51.1 76.7#



#50
Toluene-d8
Concen: 14.882 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion: 98 Resp: 2276
Ion Ratio Lower Upper
98 100
100 49.7 56.2 84.2#





#51

4-Methyl-2-Pentanone

Concen: 35.048 ug/l

RT: 8.45 min Scan# 803

Delta R.T. 0.04 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

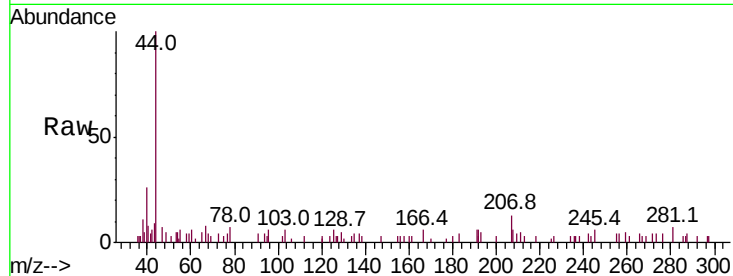
Instrument :
MSVOA_F
ClientSampled :
TP-8

Tot Ion: 43 Resp: 1087

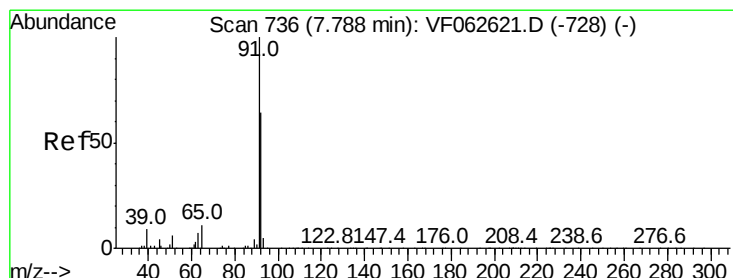
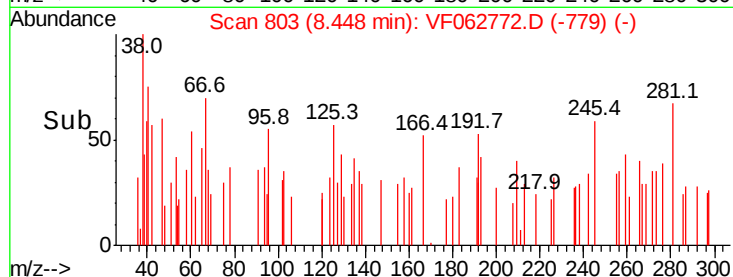
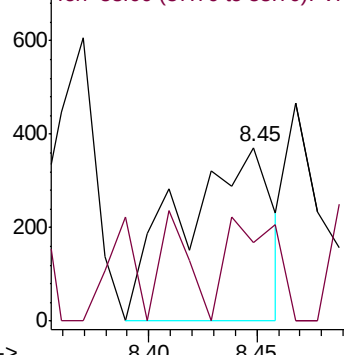
Ion Ratio Lower Upper

43 100

58 45.4 34.9 52.3



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



#52

Toluene

Concen: 2.064 ug/l

RT: 7.81 min Scan# 738

Delta R.T. 0.02 min

Lab File: VF062772.D

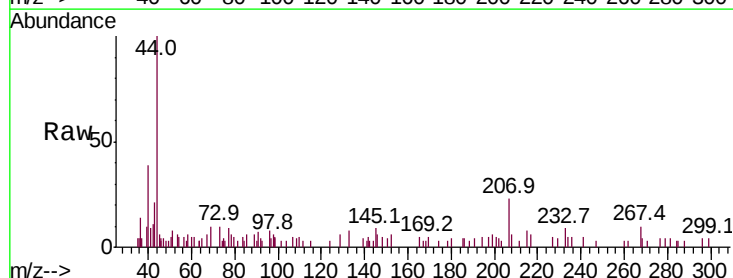
Acq: 28 May 2019 20:42

Tgt Ion: 92 Resp: 253

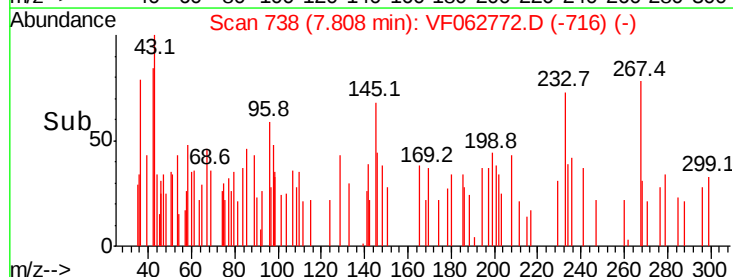
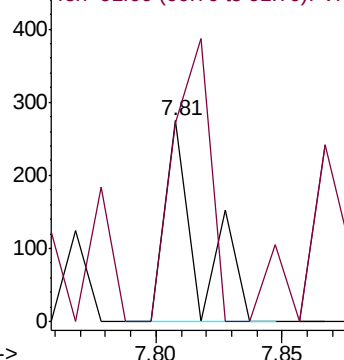
Ion Ratio Lower Upper

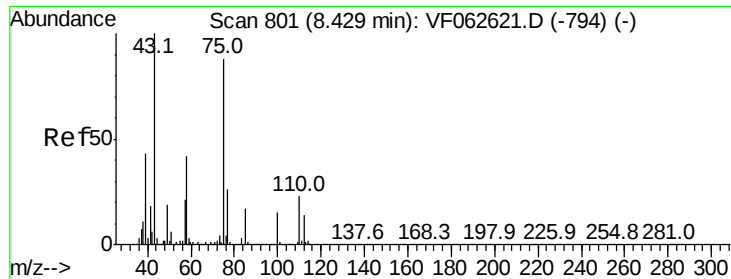
92 100

91 98.5 125.4 188.0#



Abundance Ion 92.00 (91.70 to 92.70): VF0
Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 14.231 ug/l

RT: 8.50 min Scan# 808

Delta R.T. 0.07 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

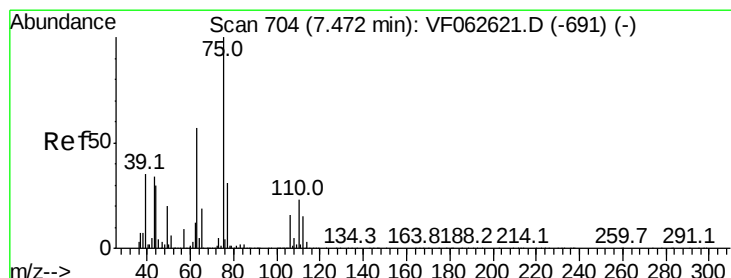
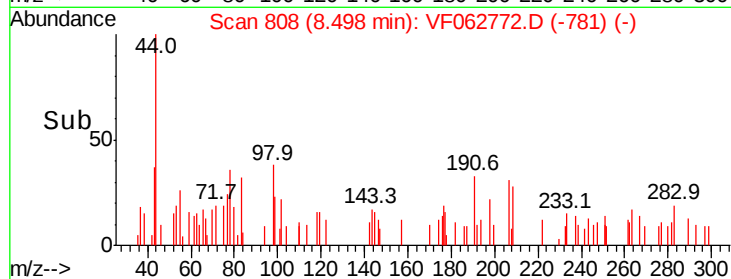
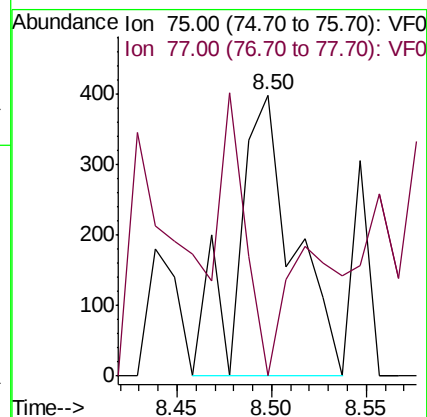
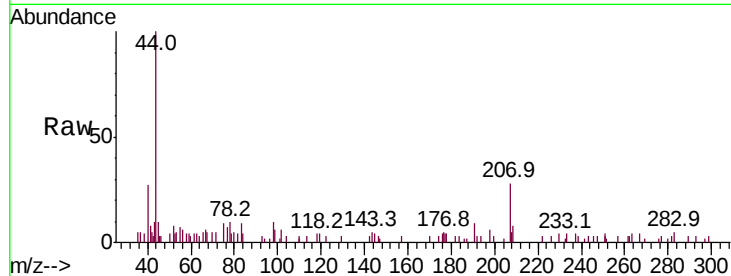
TP-8

Tot Ion: 75 Resp: 824

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.4#



#54

cis-1,3-Dichloropropene

Concen: 4.158 ug/l

RT: 7.52 min Scan# 709

Delta R.T. 0.05 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

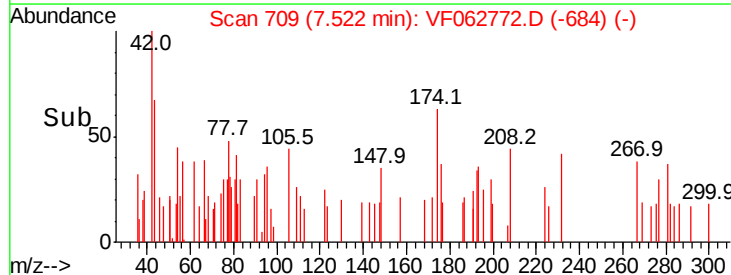
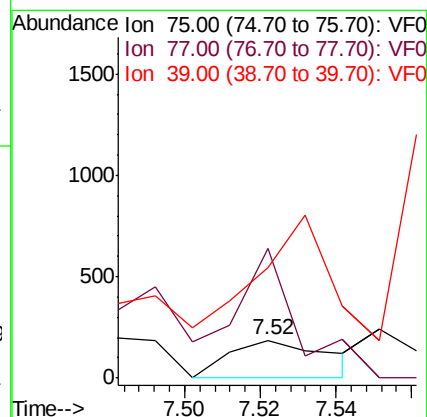
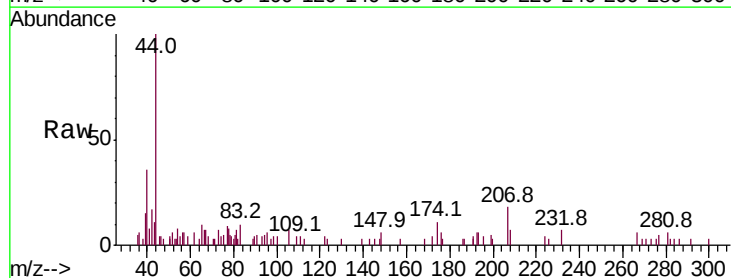
Tgt Ion: 75 Resp: 337

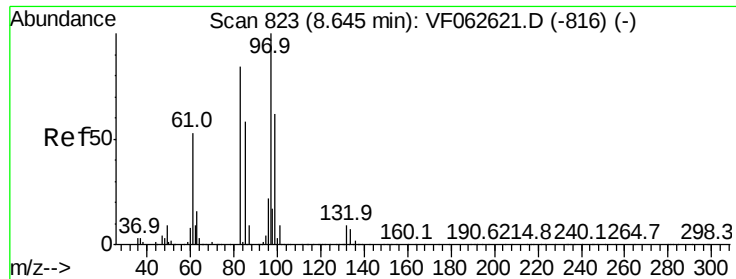
Ion Ratio Lower Upper

75 100

77 342.5 25.3 37.9#

39 294.1 28.2 42.2#





#55

1,1,2-Trichloroethane

Concen: 1.984 ug/l

RT: 8.68 min Scan# 826

Delta R.T. 0.03 min

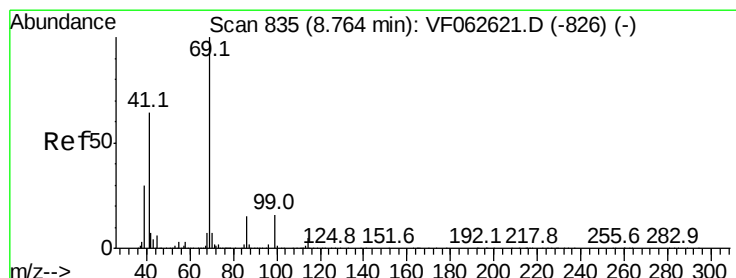
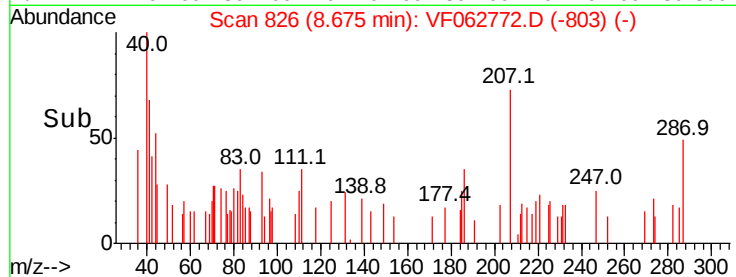
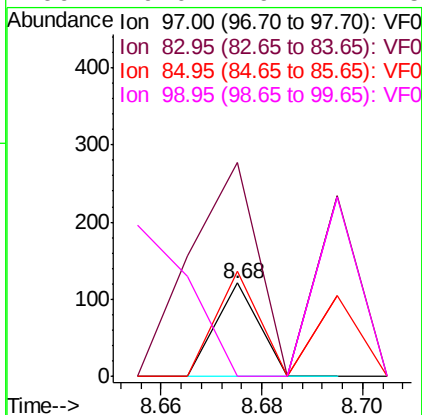
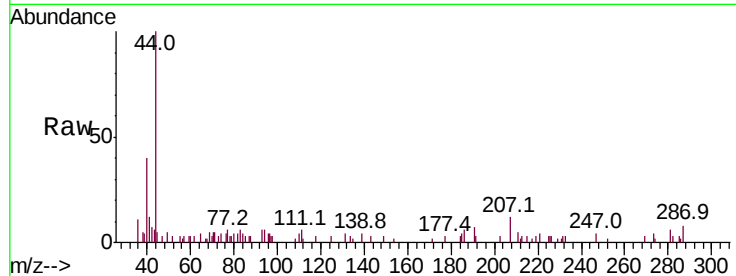
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampled :
TP-8

Tot Ion: 97 Resp: 72

Ion	Ratio	Lower	Upper
97	100		
83	228.9	67.3	100.9#
85	113.2	46.6	69.8#
99	0.0	49.7	74.5#



#56

Ethyl methacrylate

Concen: 10.132 ug/l

RT: 8.80 min Scan# 839

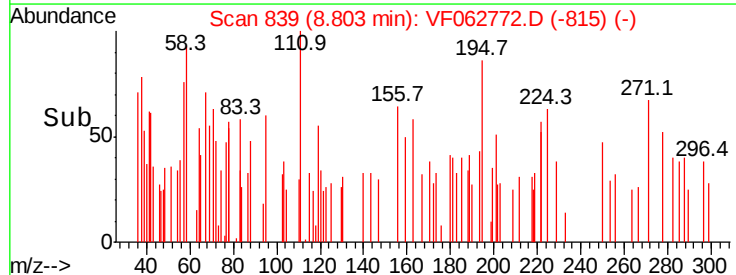
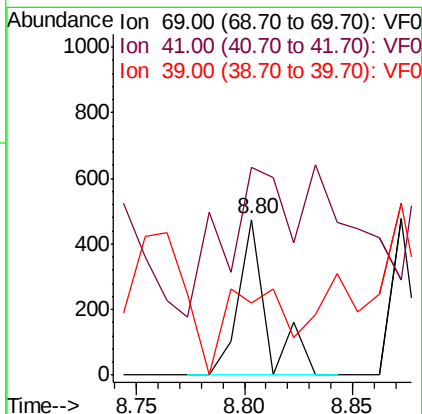
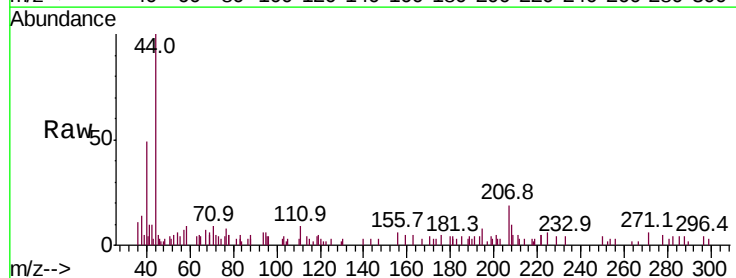
Delta R.T. 0.04 min

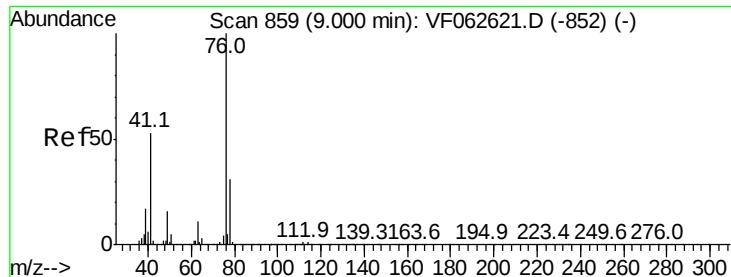
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion: 69 Resp: 438

Ion	Ratio	Lower	Upper
69	100		
41	133.8	51.4	77.2#
39	46.4	23.6	35.4#





#57

1,3-Dichloropropane

Concen: 1.796 ug/l

RT: 9.07 min Scan# 866

Delta R.T. 0.07 min

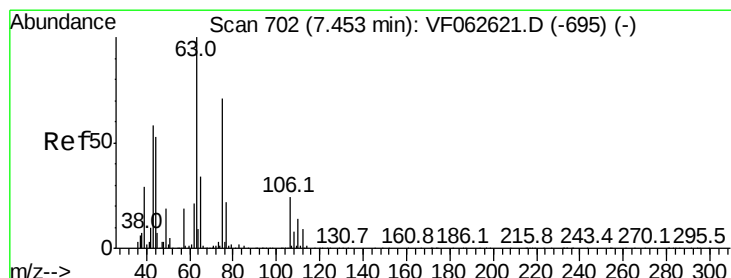
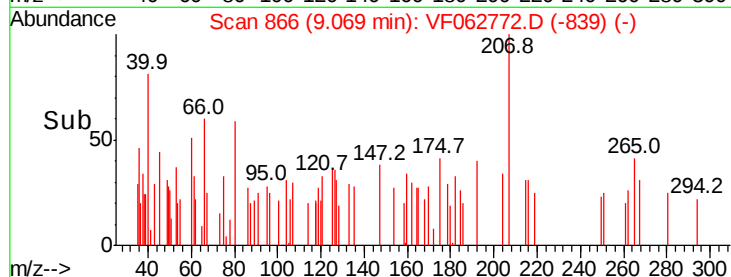
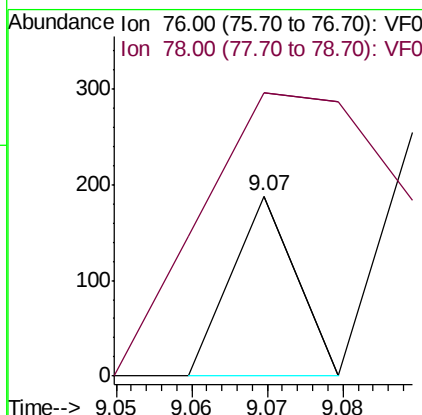
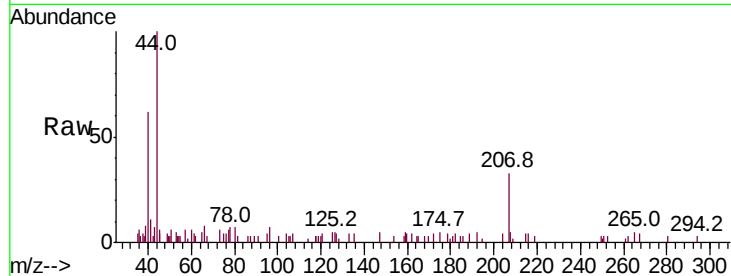
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampleId :
TP-8

Tot Ion: 76 Resp: 111

Ion	Ratio	Lower	Upper
76	100		
78	157.4	25.4	38.0#



#58

2-Chloroethyl Vinyl ether

Concen: 13.360 ug/l

RT: 7.47 min Scan# 704

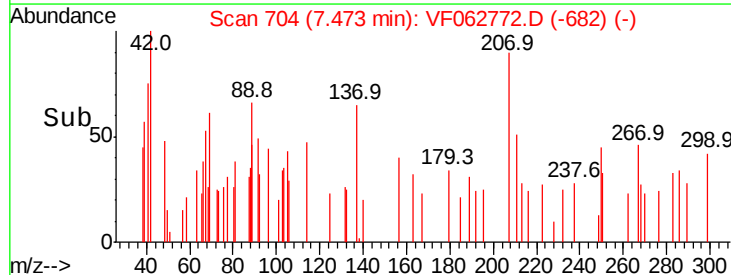
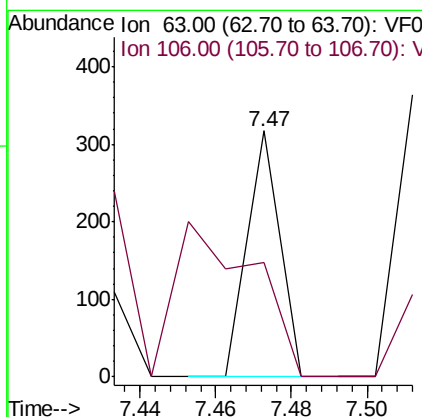
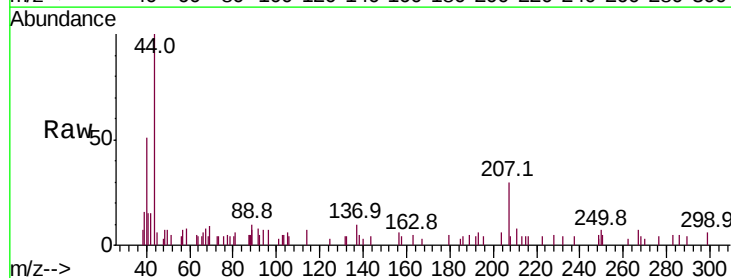
Delta R.T. 0.02 min

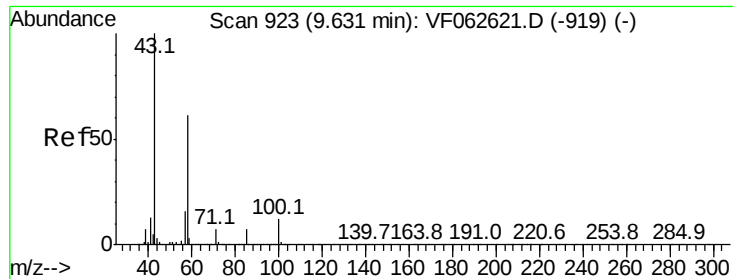
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion: 63 Resp: 188

Ion	Ratio	Lower	Upper
63	100		
106	46.4	19.1	28.7#

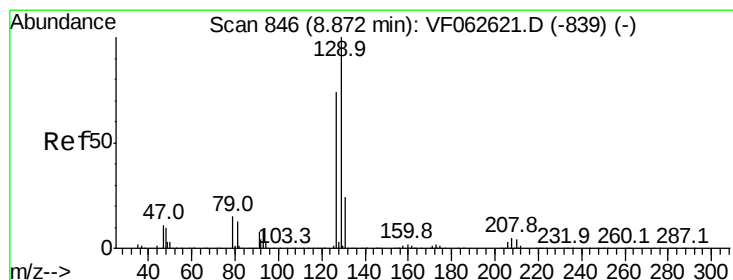
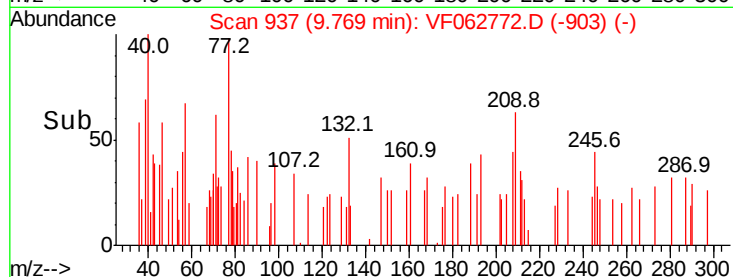
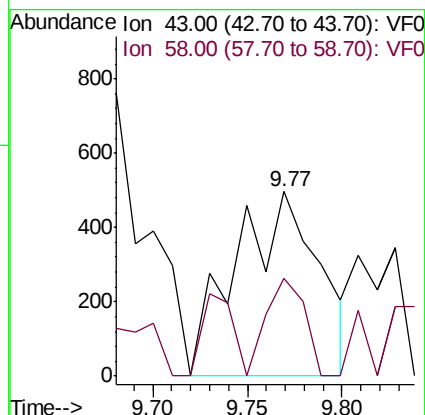
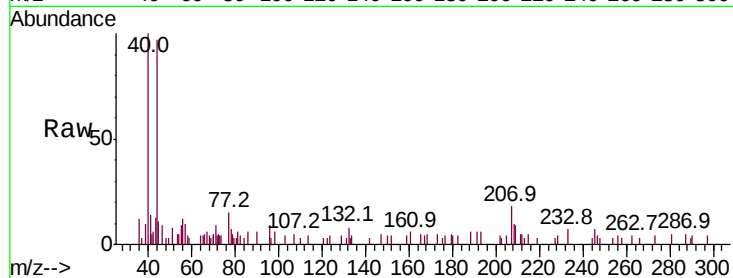




#59
2-Hexanone
Concen: 62.131 ug/l
RT: 9.77 min Scan# 937
Delta R.T. 0.14 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

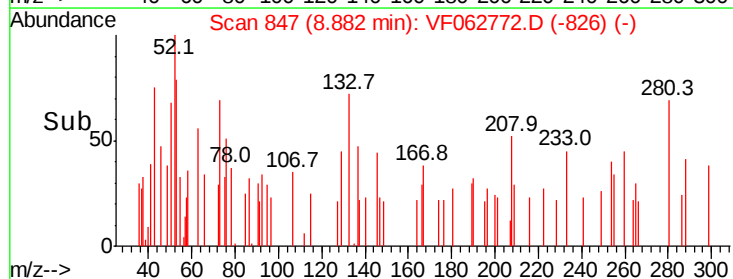
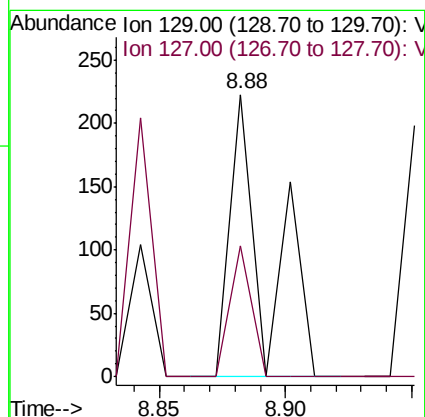
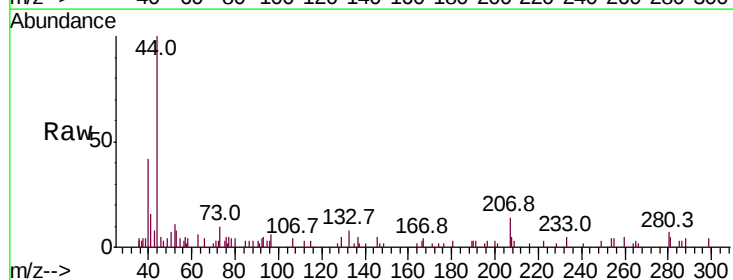
Instrument :
MSVOA_F
ClientSampled :
TP-8

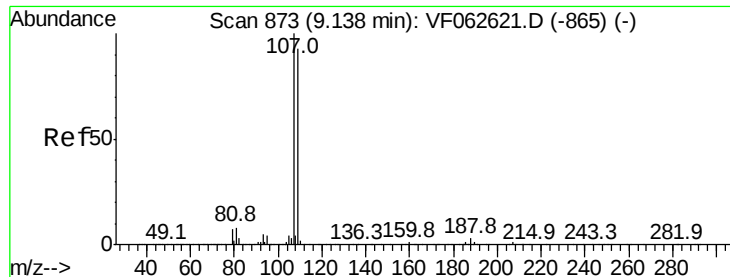
Tot Ion: 43 Resp: 1524
Ion Ratio Lower Upper
43 100
58 52.8 28.1 84.4



#60
Dibromochloromethane
Concen: 4.715 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion:129 Resp: 223
Ion Ratio Lower Upper
129 100
127 46.2 37.2 111.6





#61

1,2-Dibromoethane

Concen: 1.661 ug/l

RT: 9.33 min Scan# 892

Delta R.T. 0.19 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

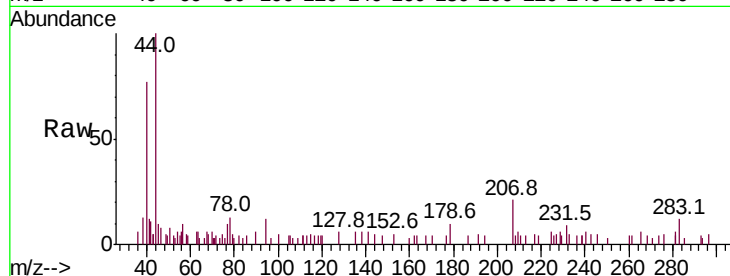
TP-8

Tot Ion: 107 Resp: 64

Ion Ratio Lower Upper

107 100

109 96.3 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.33

100

80

60

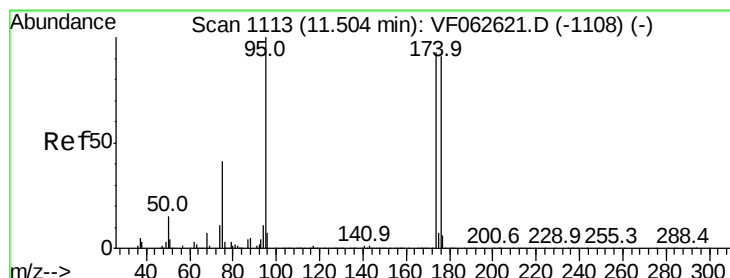
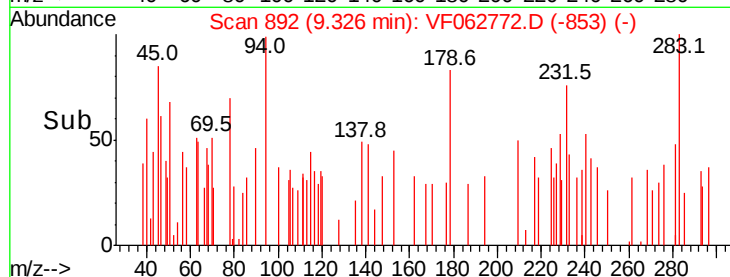
40

20

0

9.30 9.32 9.34

Time-->



#62

4-Bromofluorobenzene

Concen: 6.430 ug/l

RT: 11.55 min Scan# 1118

Delta R.T. 0.05 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

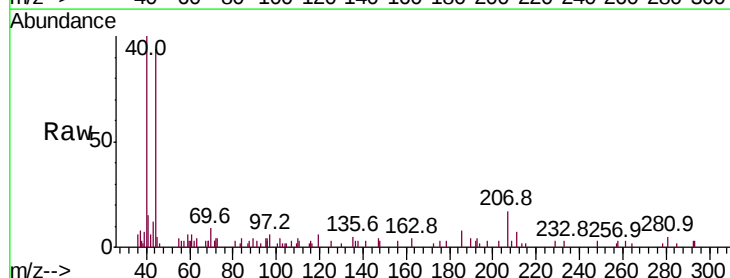
Tgt Ion: 95 Resp: 373

Ion Ratio Lower Upper

95 100

174 0.0 0.0 185.6

176 0.0 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

500

400

300

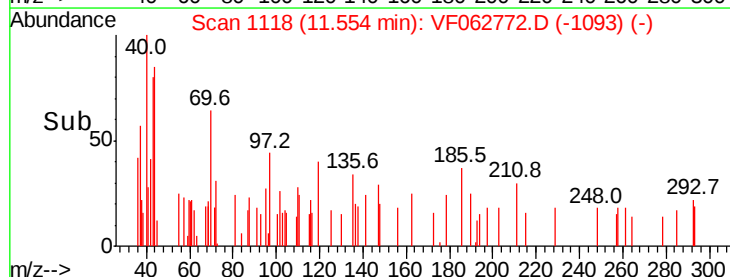
200

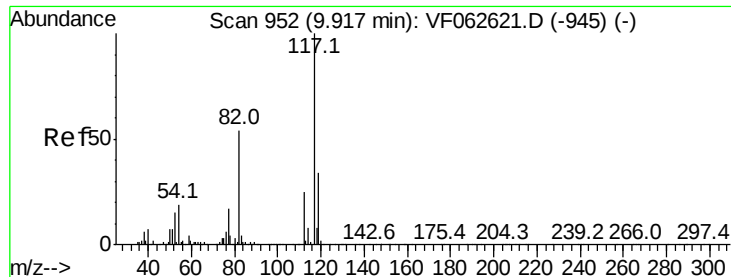
100

0

11.54 11.55 11.58

Time-->

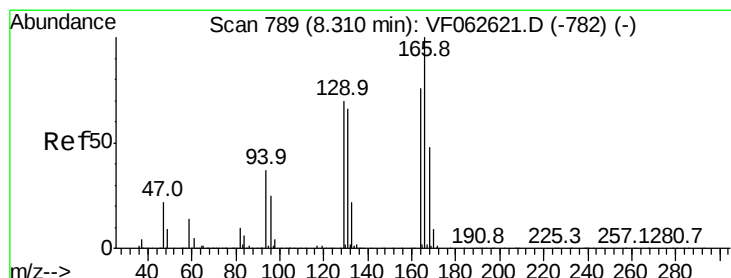
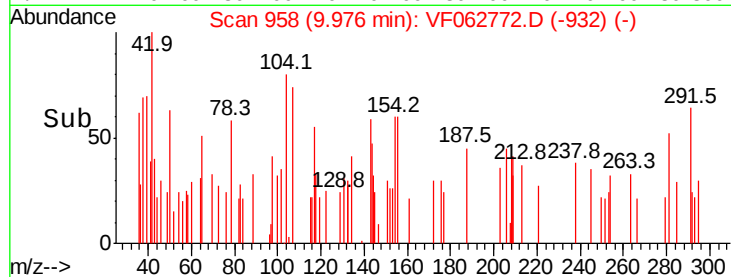
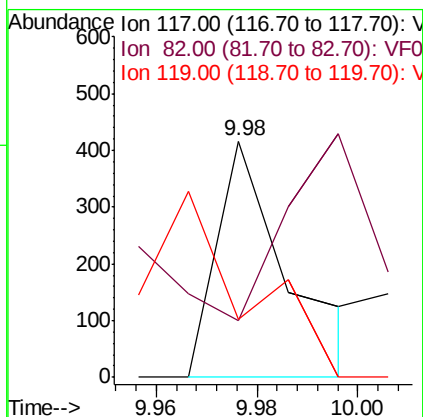
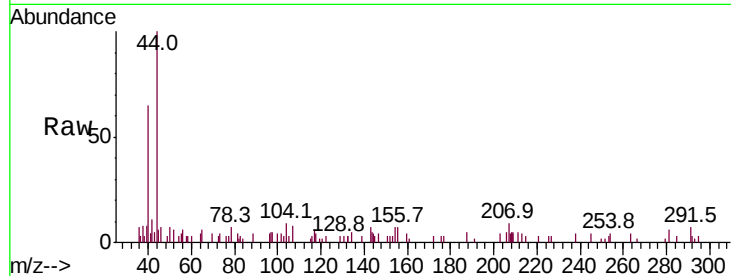




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.98 min Scan# 958
Delta R.T. 0.06 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

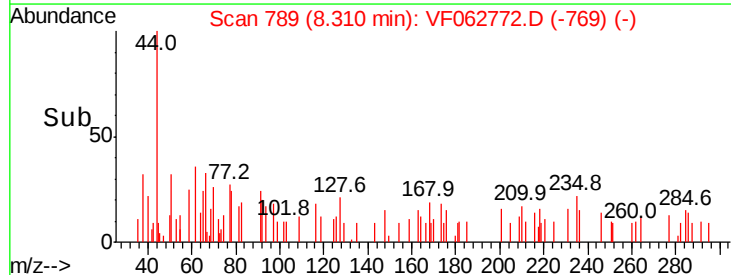
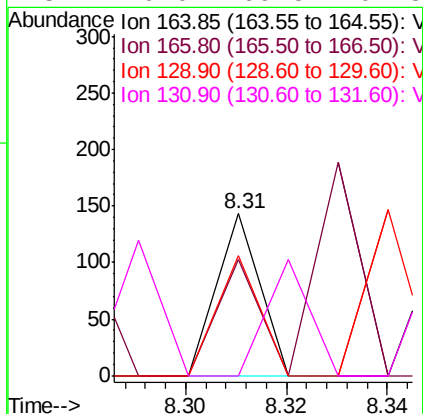
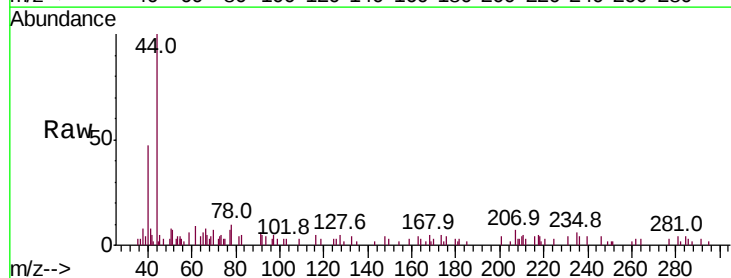
Instrument :
MSVOA_F
ClientSampled :
TP-8

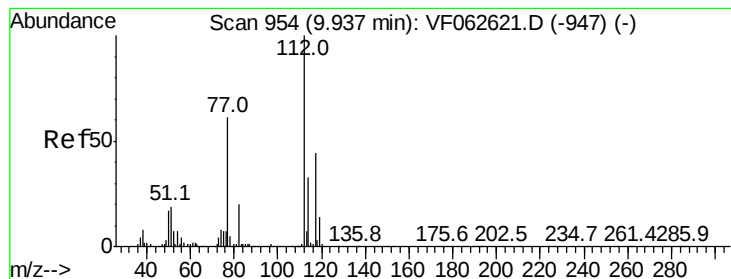
Tot Ion:117 Resp: 409
Ion Ratio Lower Upper
117 100
82 24.3 43.3 64.9#
119 24.8 27.4 41.0#



#64
Tetrachloroethene
Concen: 26.233 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion:164 Resp: 85
Ion Ratio Lower Upper
164 100
166 72.0 105.5 158.3#
129 74.1 73.8 110.6
131 0.0 69.5 104.3#





#65

Chlorobenzene

Concen: 25.519 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

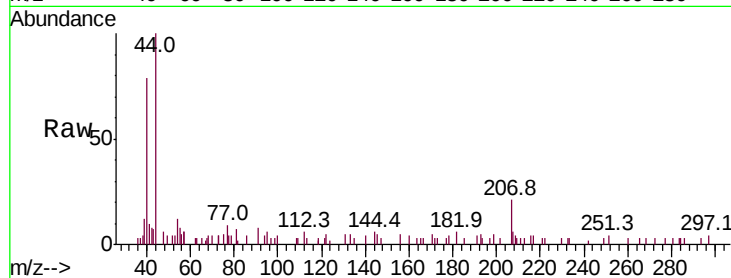
TP-8

Tot Ion:112 Resp: 205

Ion Ratio Lower Upper

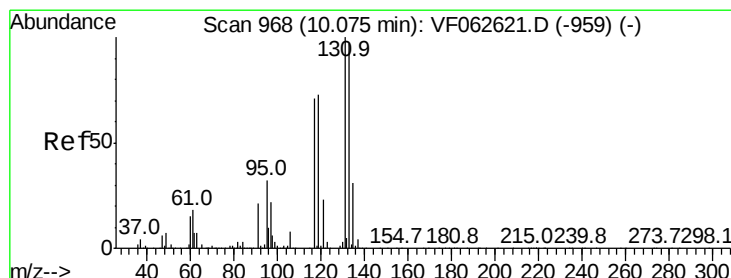
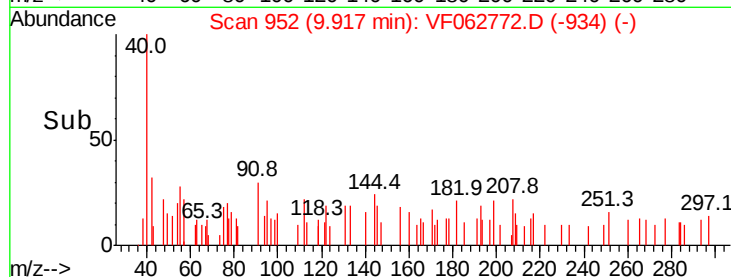
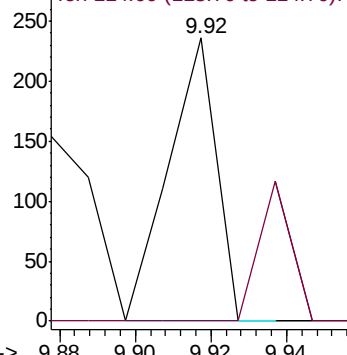
112 100

114 0.0 26.8 40.2#



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 46.513 ug/l

RT: 10.11 min Scan# 972

Delta R.T. 0.04 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

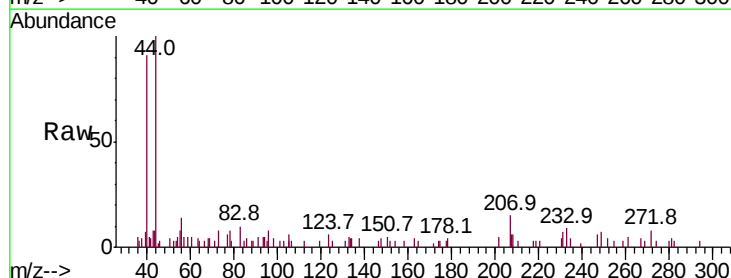
Tgt Ion:131 Resp: 150

Ion Ratio Lower Upper

131 100

133 270.9 48.5 145.5#

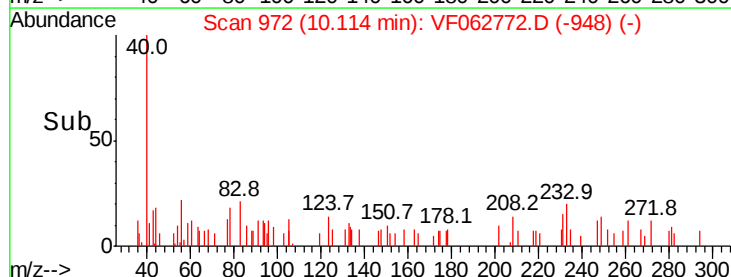
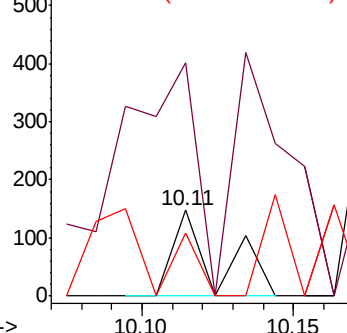
119 73.0 36.8 110.4

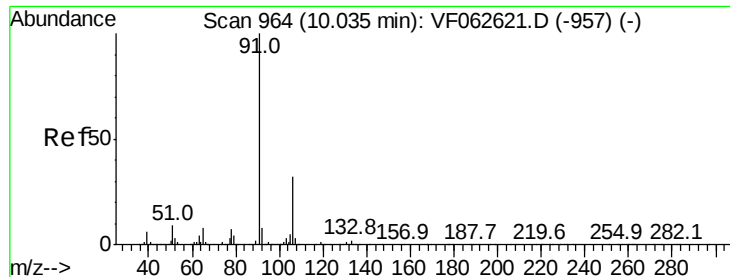


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 26.083 ug/l

RT: 10.02 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

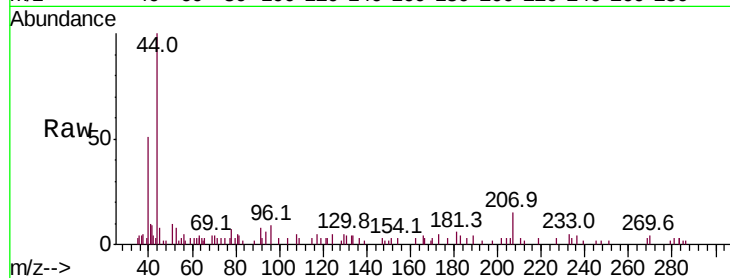
Instrument :
MSVOA_F
ClientSampled :
TP-8

Tot Ion: 91 Resp: 364

Ion Ratio Lower Upper

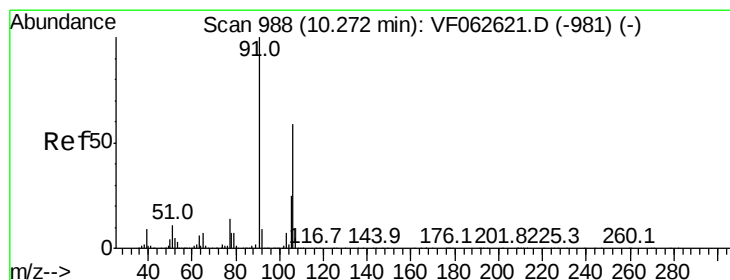
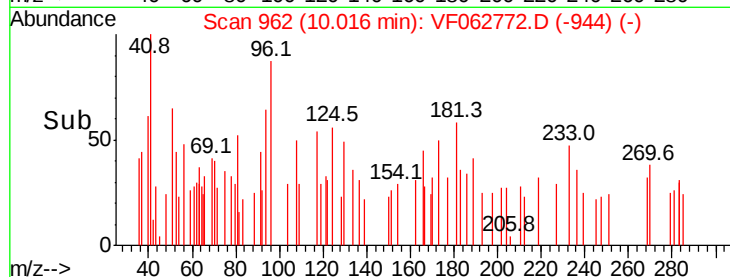
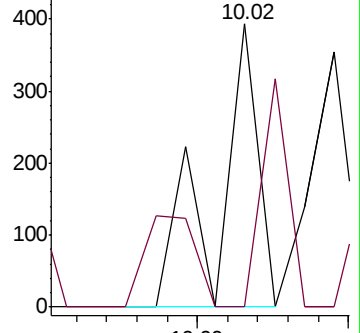
91 100

106 0.0 25.8 38.8#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 14.871 ug/l

RT: 10.28 min Scan# 989

Delta R.T. 0.01 min

Lab File: VF062772.D

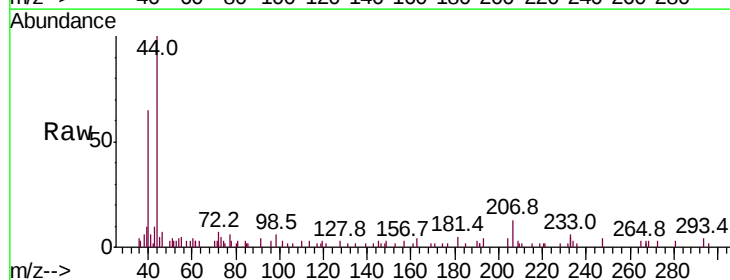
Acq: 28 May 2019 20:42

Tgt Ion: 106 Resp: 78

Ion Ratio Lower Upper

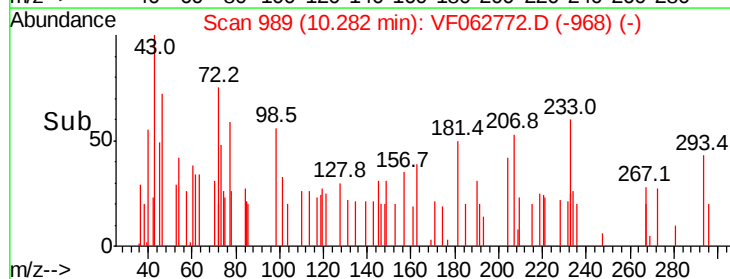
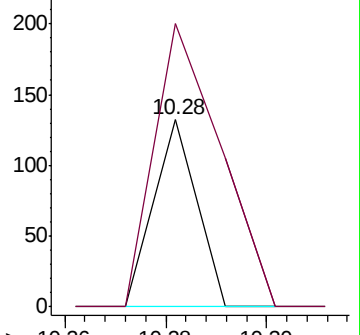
106 100

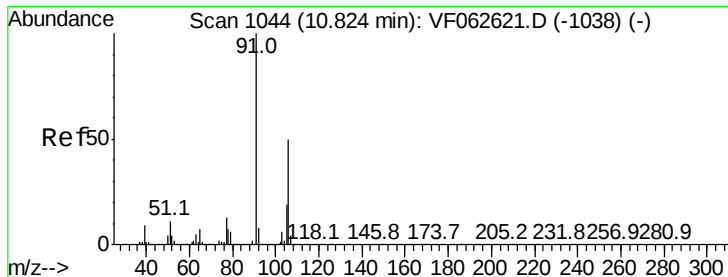
91 151.5 136.9 205.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

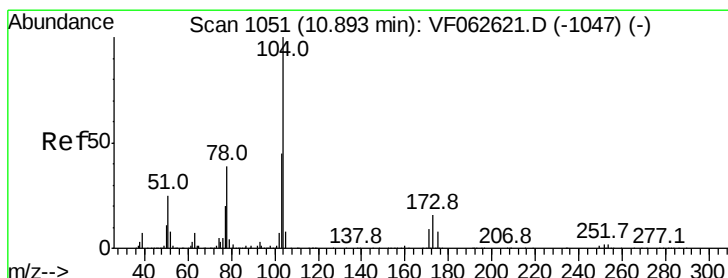
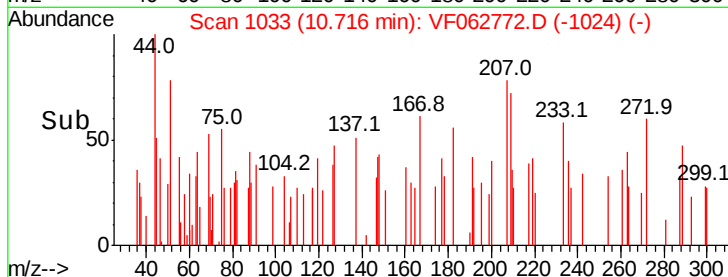
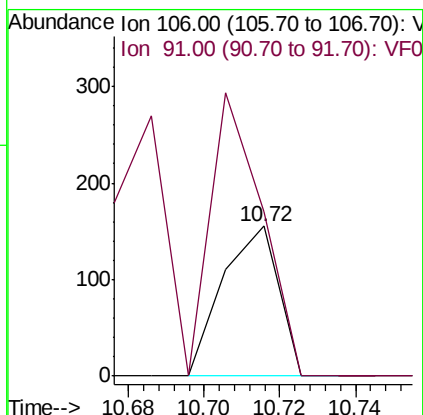
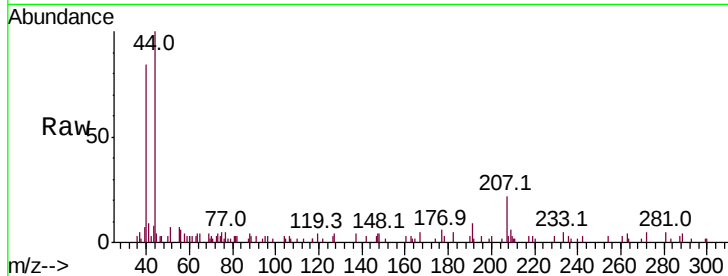




#69
o-Xylene
Concen: 29.061 ug/l
RT: 10.72 min Scan# 1033
Delta R.T. -0.11 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

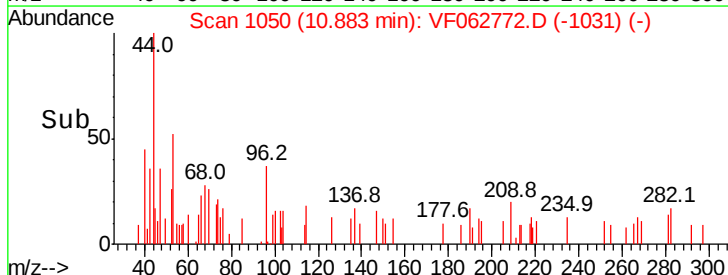
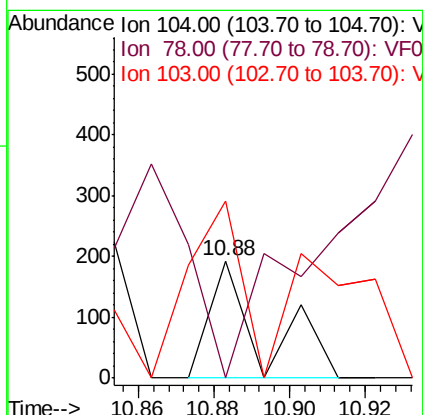
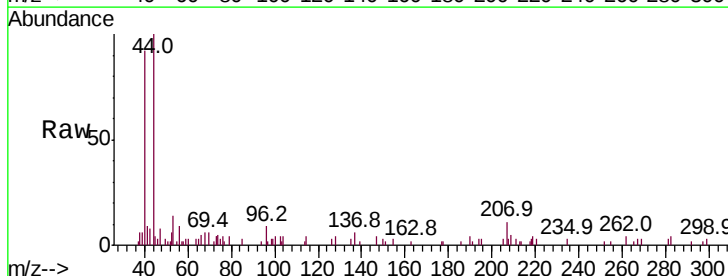
Instrument :
MSVOA_F
ClientSampleId :
TP-8

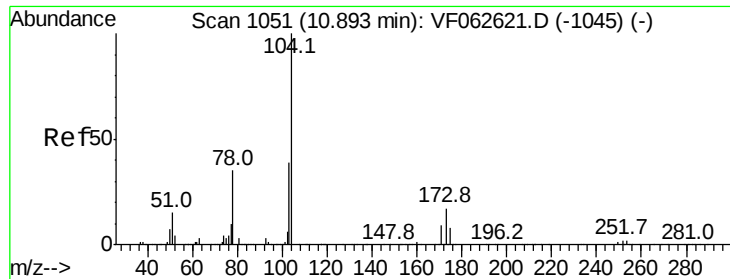
Tot Ion:106 Resp: 157
Ion Ratio Lower Upper
106 100
91 109.7 100.2 300.5



#70
Styrene
Concen: 22.530 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion:104 Resp: 185
Ion Ratio Lower Upper
104 100
78 0.0 31.9 47.9#
103 150.8 36.1 54.1#





#71

Bromoform

Concen: 115.160 ug/l

RT: 10.92 min Scan# 1054

Delta R.T. 0.03 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

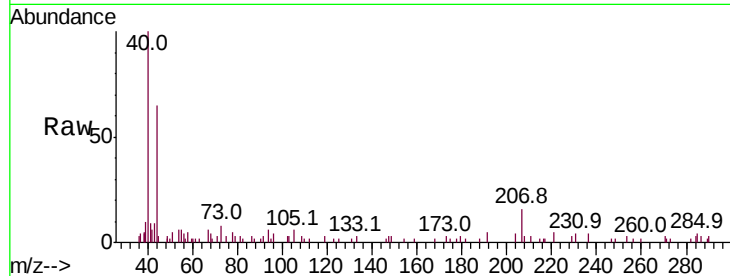
Tot Ion:173 Resp: 186

Ion Ratio Lower Upper

173 100

175 68.2 25.3 75.9

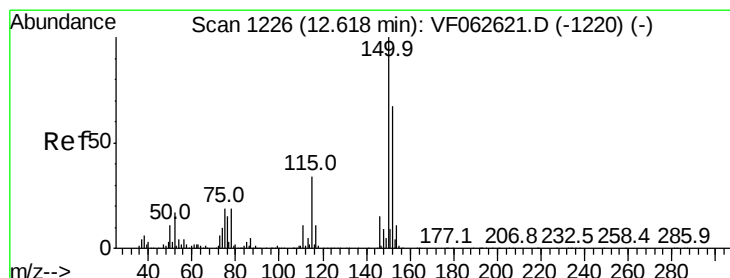
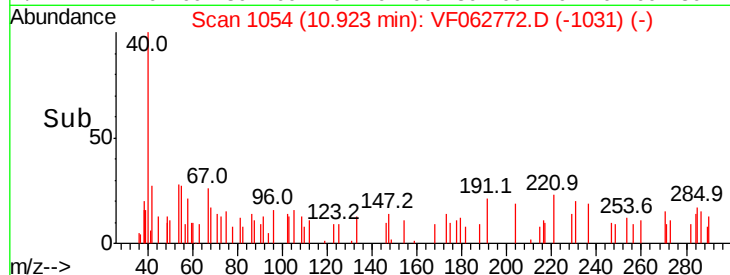
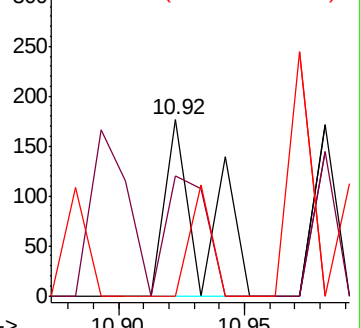
254 0.0 0.2 0.2#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

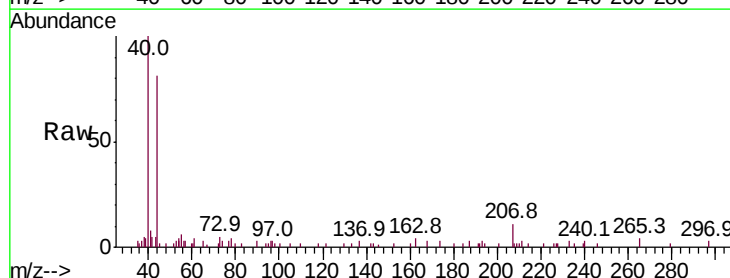
Tgt Ion:152 Resp: 195

Ion Ratio Lower Upper

152 100

115 0.0 25.2 75.6#

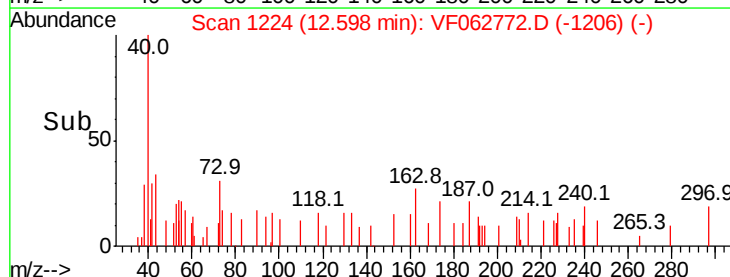
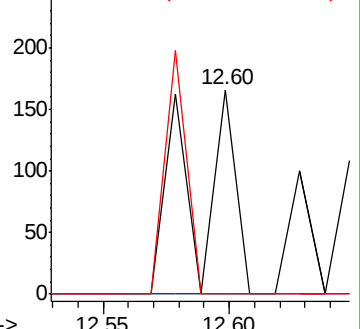
150 0.0 0.0 306.2

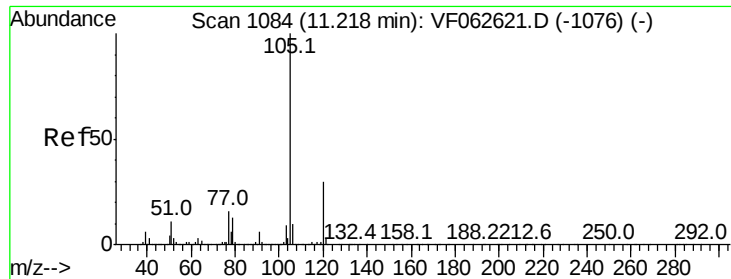


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 9.302 ug/l

RT: 11.20 min Scan# 1082

Delta R.T. -0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

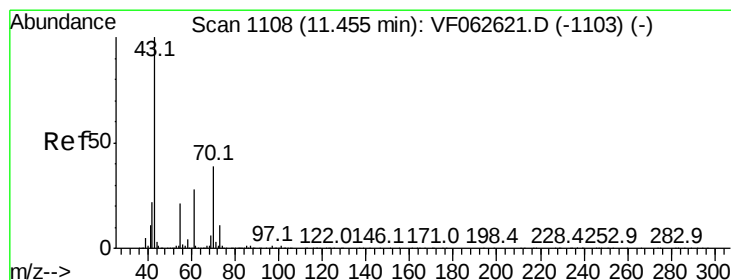
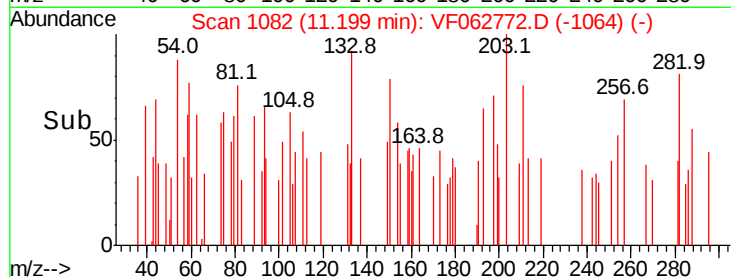
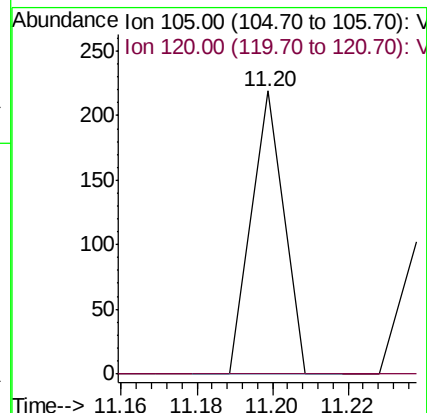
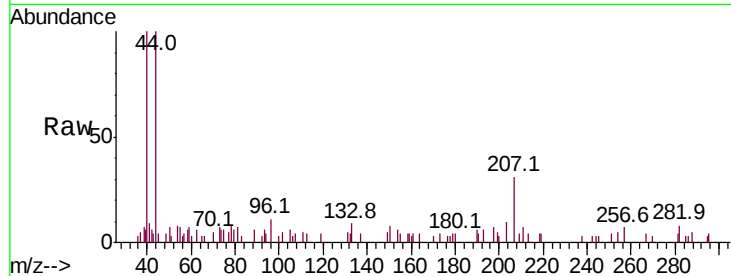
TP-8

Tot Ion:105 Resp: 130

Ion Ratio Lower Upper

105 100

120 0.0 14.8 44.4#



#74

N-ethyl acetate

Concen: 160.081 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.04 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion: 43 Resp: 527

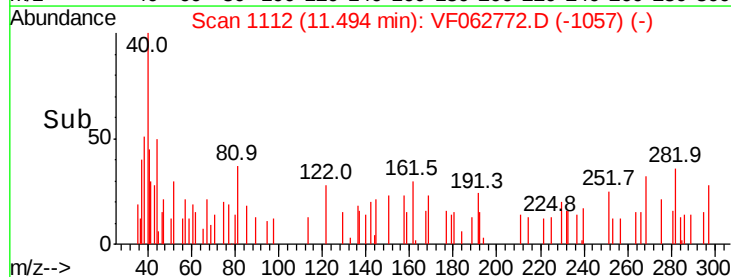
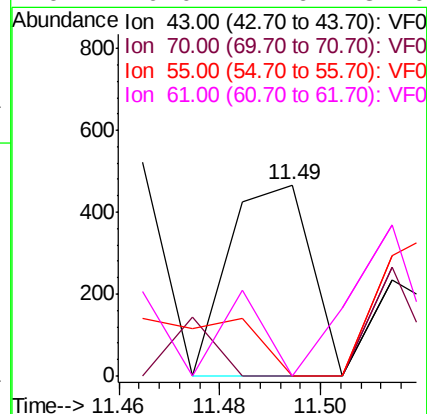
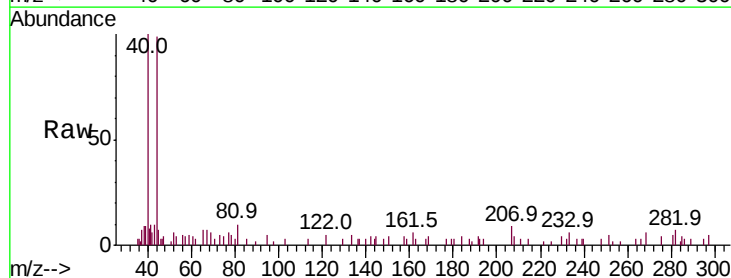
Ion Ratio Lower Upper

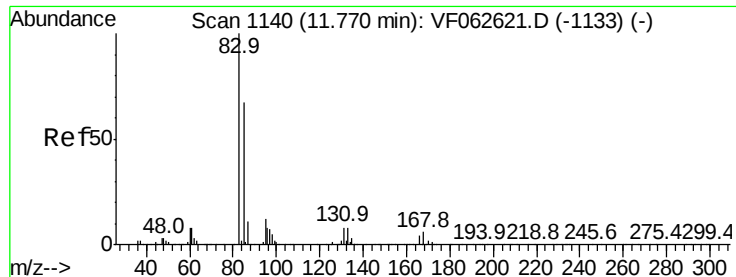
43 100

70 26.6 30.9 46.3#

55 0.0 17.0 25.4#

61 0.0 22.6 34.0#





#75

1,1,2,2-Tetrachloroethane

Concen: 42.014 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

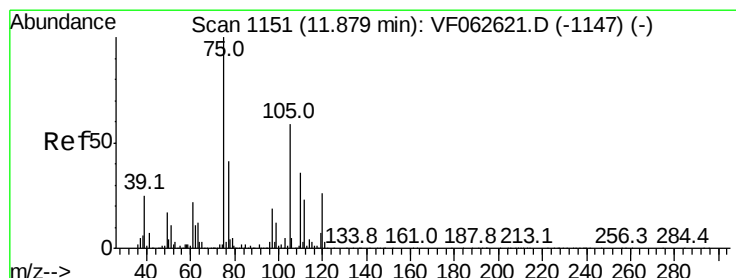
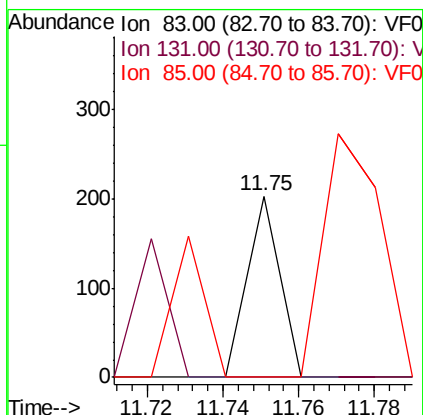
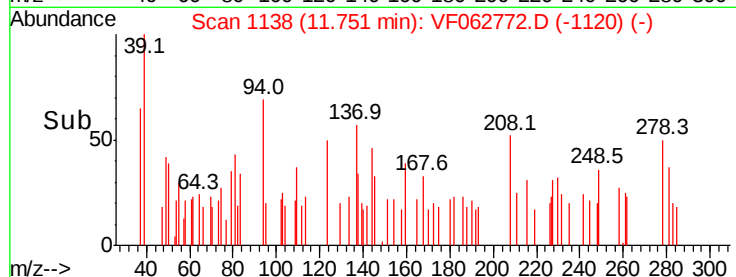
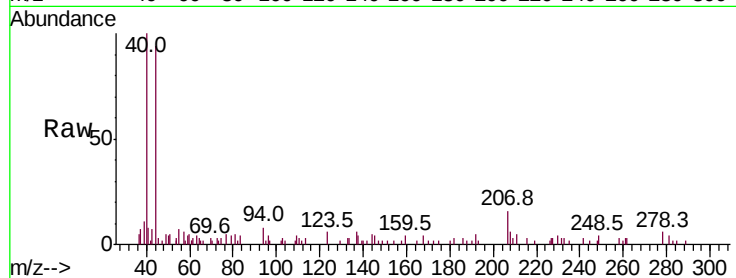
Tot Ion: 83 Resp: 120

Ion Ratio Lower Upper

83 100

131 0.0 4.0 12.0#

85 0.0 33.5 100.5#



#76

1,2,3-Trichloropropane

Concen: 84.191 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF062772.D

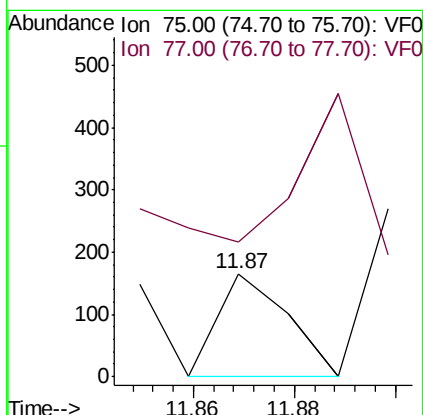
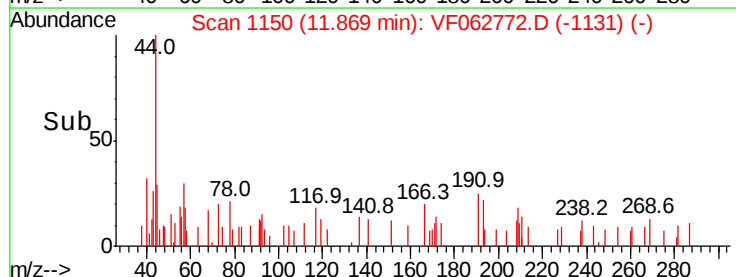
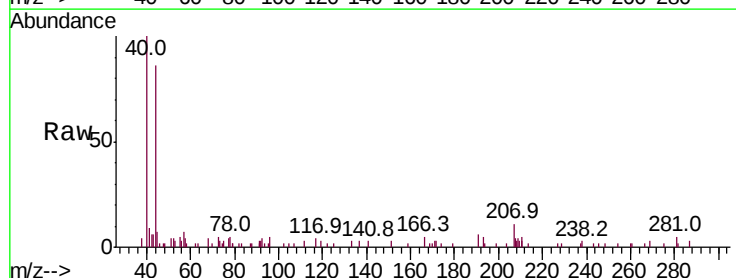
Acq: 28 May 2019 20:42

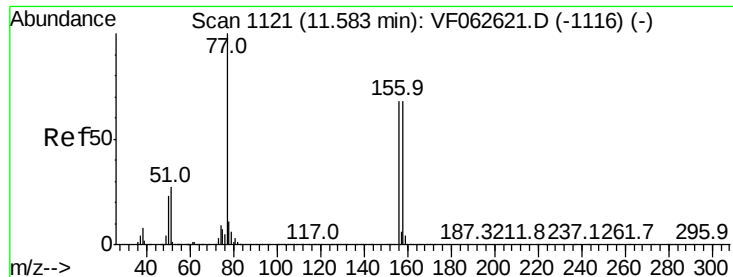
Tgt Ion: 75 Resp: 158

Ion Ratio Lower Upper

75 100

77 130.9 20.6 61.8#





#77

Bromobenzene

Concen: 34.830 ug/l

RT: 11.43 min Scan# 1105

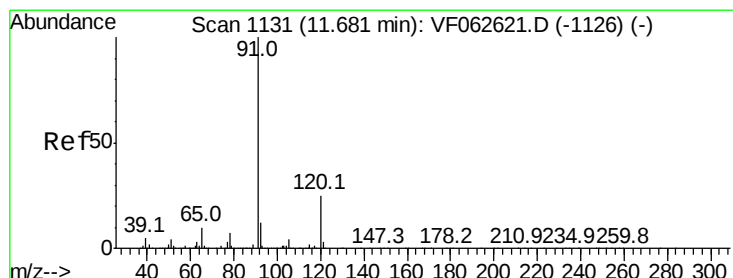
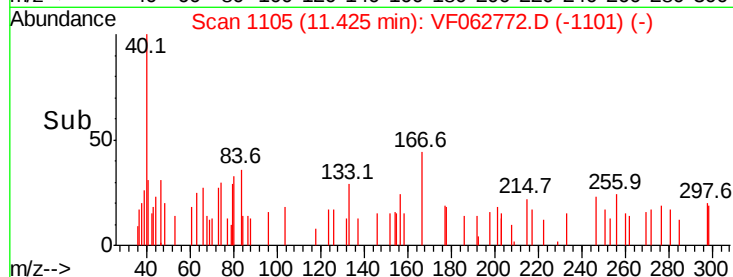
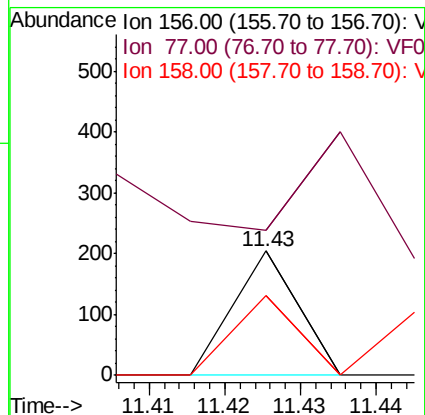
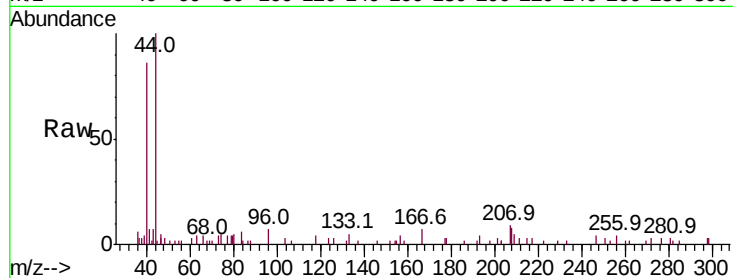
Delta R.T. -0.16 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampled :
TP-8

Tot Ion:	156	Resp:	121
Ion	Ratio	Lower	Upper
156	100		
77	117.2	73.6	220.8
158	64.2	49.6	148.8



#78

n-propylbenzene

Concen: 12.213 ug/l

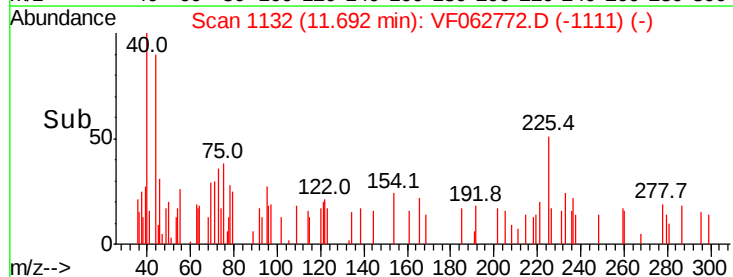
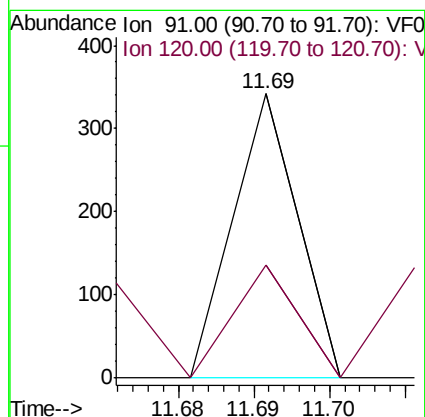
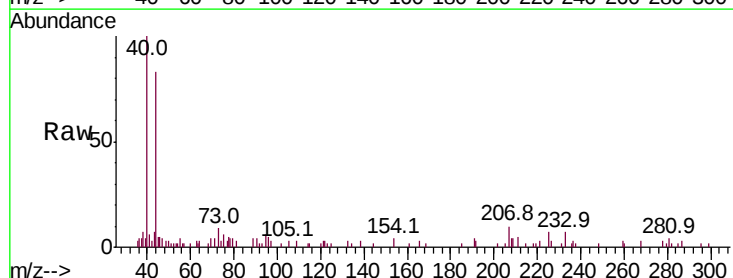
RT: 11.69 min Scan# 1132

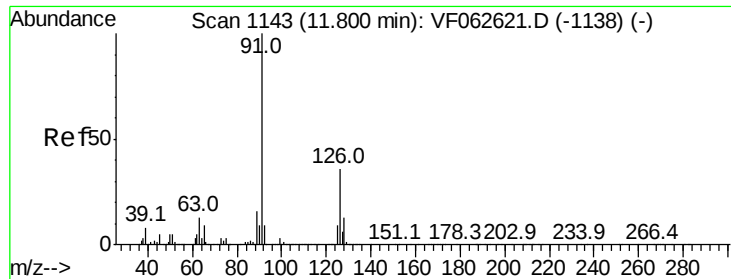
Delta R.T. 0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion:	91	Resp:	202
Ion	Ratio	Lower	Upper
91	100		
120	39.5	12.7	38.1#





#79

2-Chlorotoluene

Concen: 24.889 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

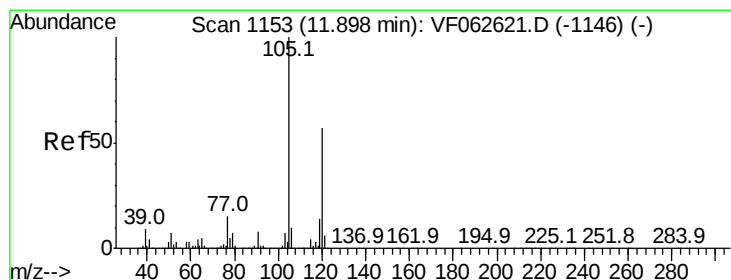
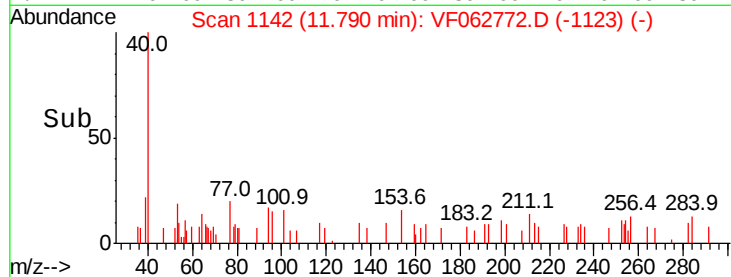
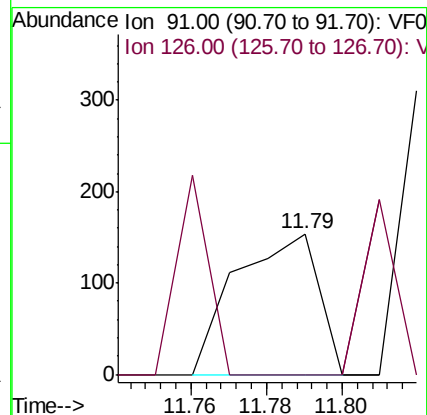
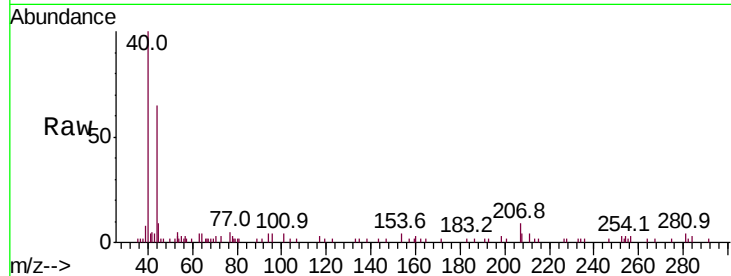
TP-8

Tot Ion: 91 Resp: 232

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#80

1,3,5-Trimethylbenzene

Concen: 12.403 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.06 min

Lab File: VF062772.D

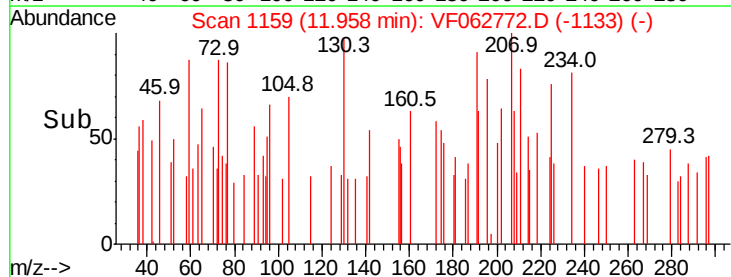
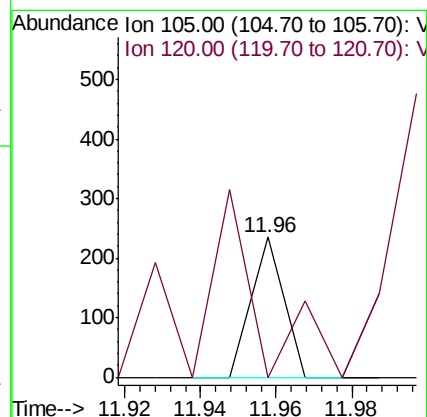
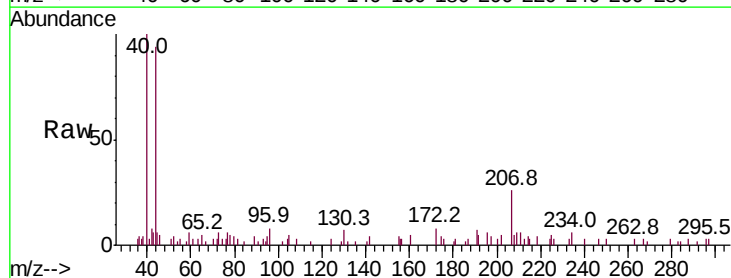
Acq: 28 May 2019 20:42

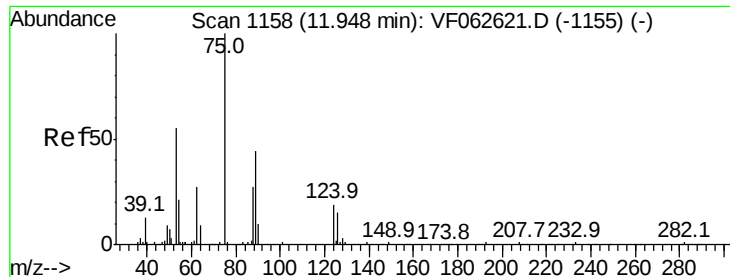
Tgt Ion:105 Resp: 139

Ion Ratio Lower Upper

105 100

120 0.0 28.7 86.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 578.997 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.13 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

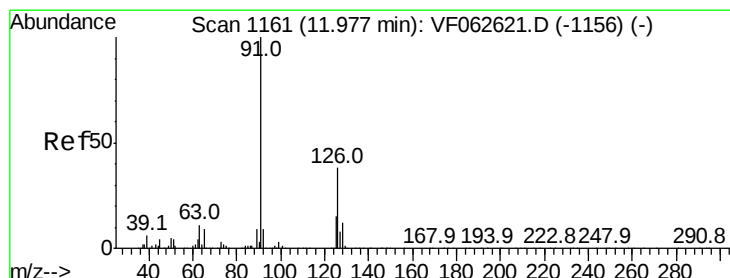
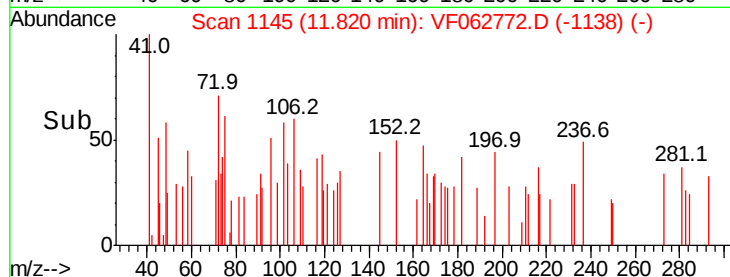
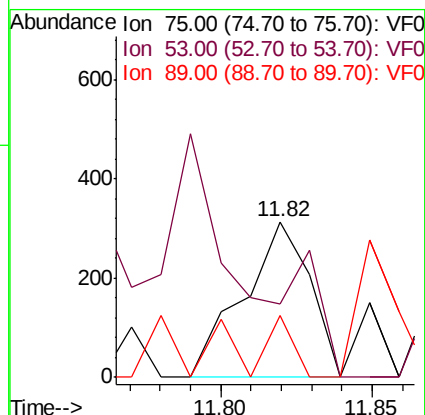
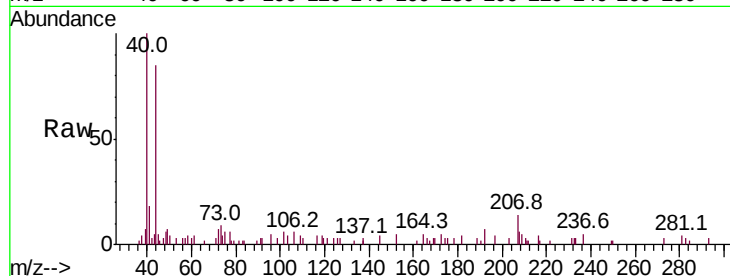
Tot Ion: 75 Resp: 483

Ion Ratio Lower Upper

75 100

53 47.0 46.9 70.3

89 39.6 36.4 54.6



#82

4-Chlorotoluene

Concen: 41.013 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.16 min

Lab File: VF062772.D

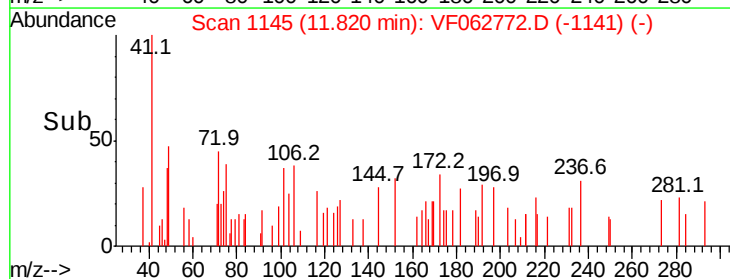
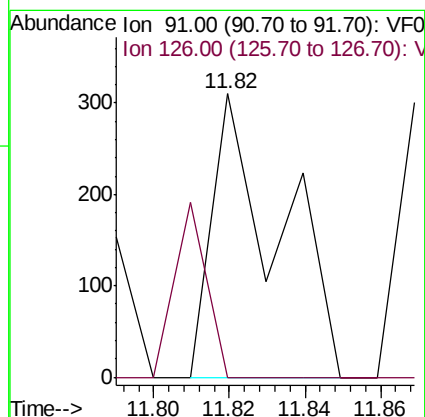
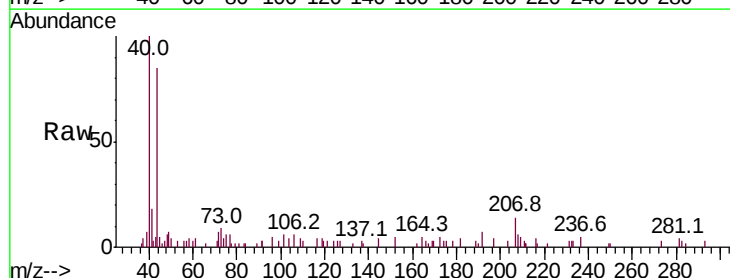
Acq: 28 May 2019 20:42

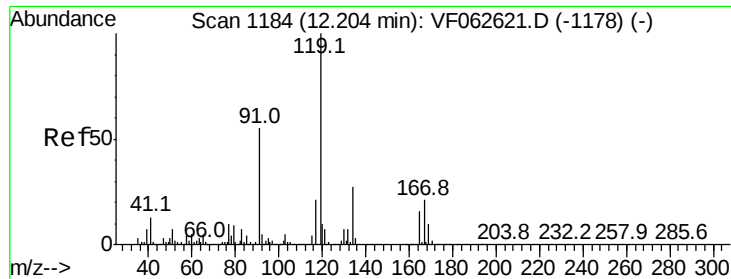
Tgt Ion: 91 Resp: 377

Ion Ratio Lower Upper

91 100

126 56.8 19.1 57.1





#83

tert-Butylbenzene

Concen: 6.157 ug/l

RT: 12.23 min Scan# 1187

Delta R.T. 0.03 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

TP-8

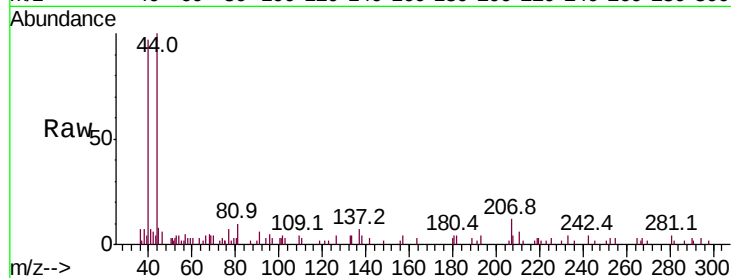
Tot Ion:119 Resp: 70

Ion Ratio Lower Upper

119 100

91 256.8 27.3 81.9#

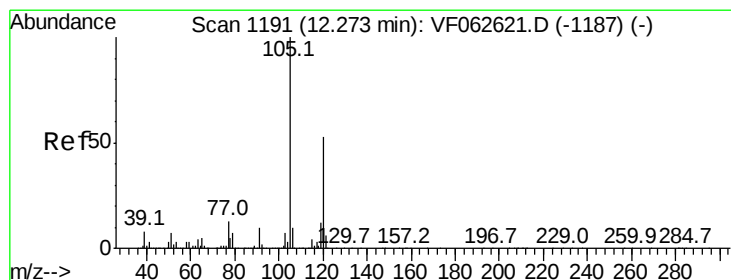
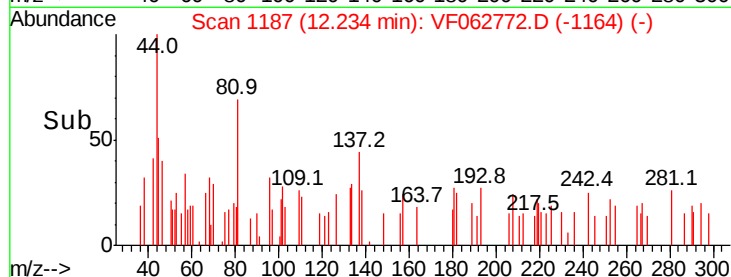
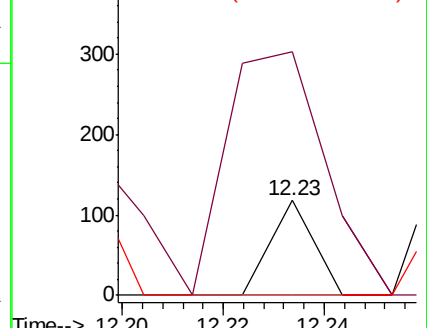
134 0.0 13.6 40.7#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 10.510 ug/l

RT: 12.25 min Scan# 1189

Delta R.T. -0.02 min

Lab File: VF062772.D

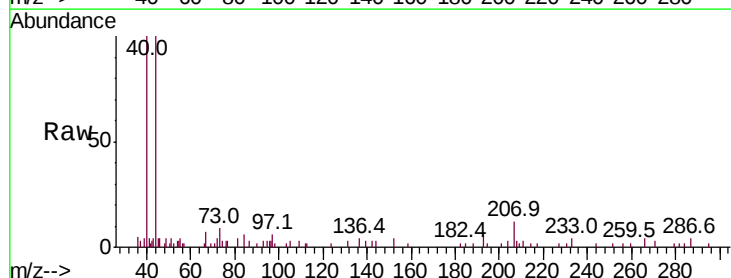
Acq: 28 May 2019 20:42

Tgt Ion:105 Resp: 114

Ion Ratio Lower Upper

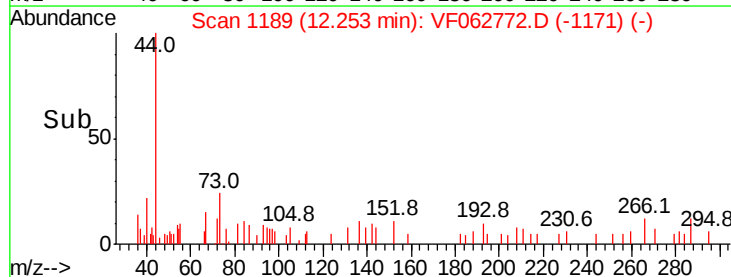
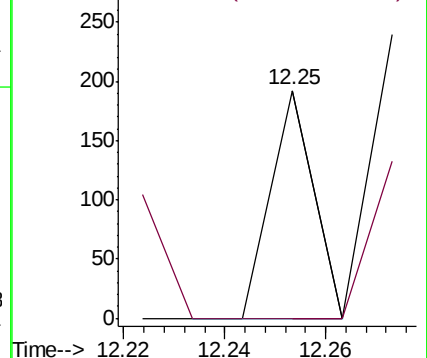
105 100

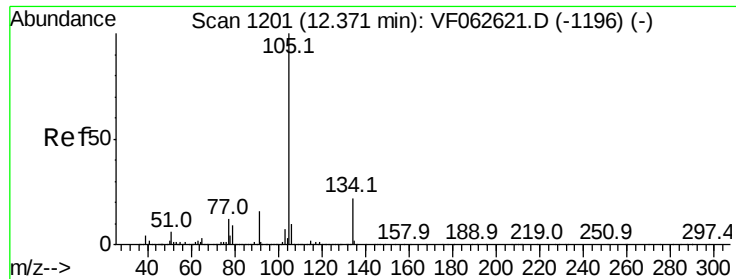
120 0.0 26.7 80.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 15.205 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampleId :

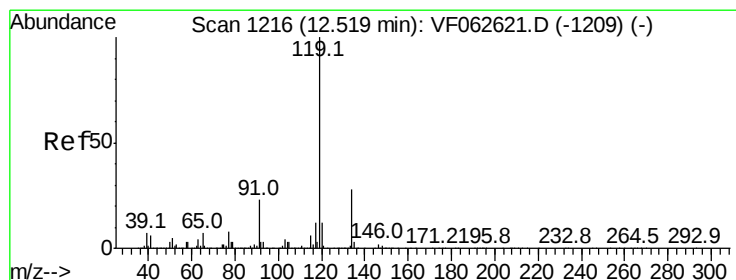
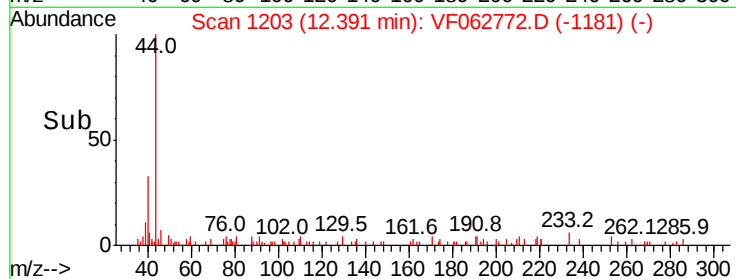
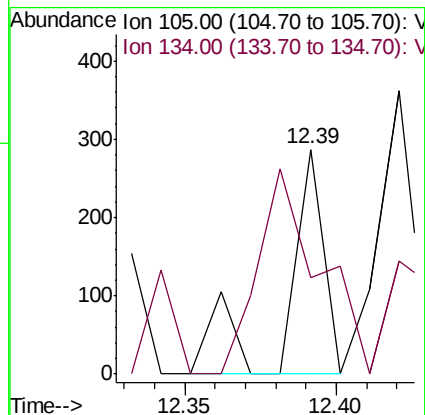
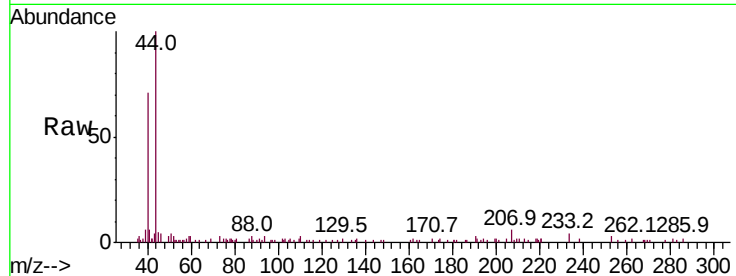
TP-8

Tot Ion:105 Resp: 232

Ion Ratio Lower Upper

105 100

134 43.2 10.8 32.4#



#86

p-Isopropyltoluene

Concen: 7.232 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

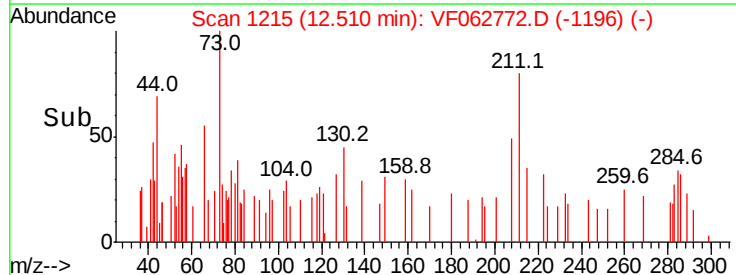
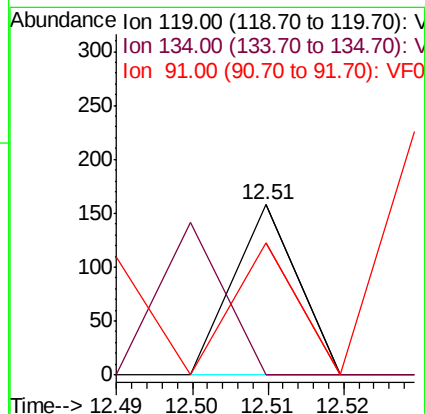
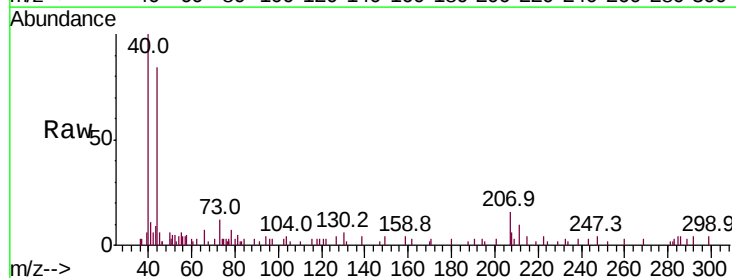
Tgt Ion:119 Resp: 93

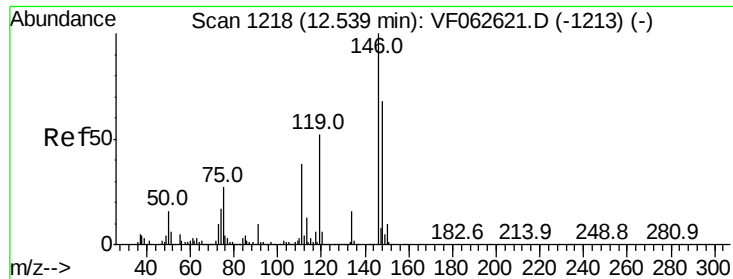
Ion Ratio Lower Upper

119 100

134 0.0 14.1 42.3#

91 77.2 11.4 34.2#





#87

1,3-Dichlorobenzene

Concen: 74.938 ug/l

RT: 12.49 min Scan# 1213

Delta R.T. -0.05 min

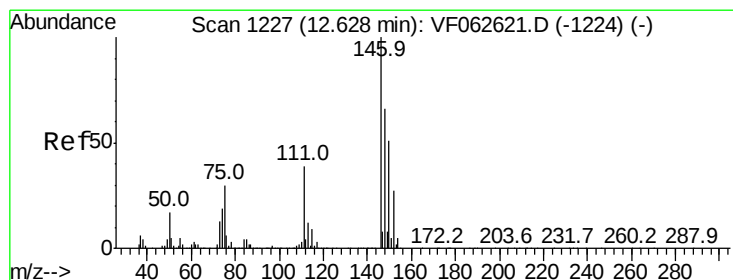
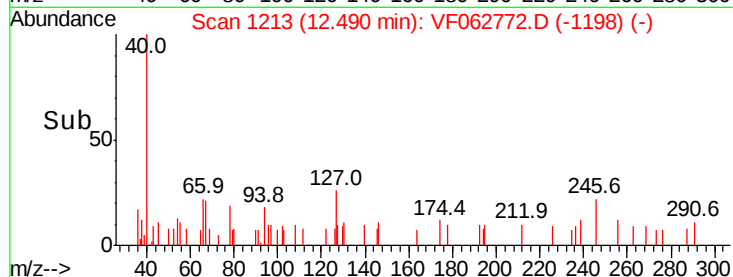
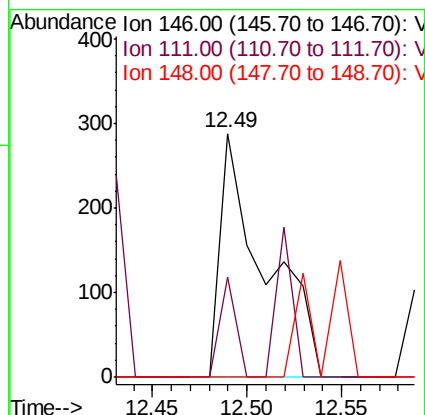
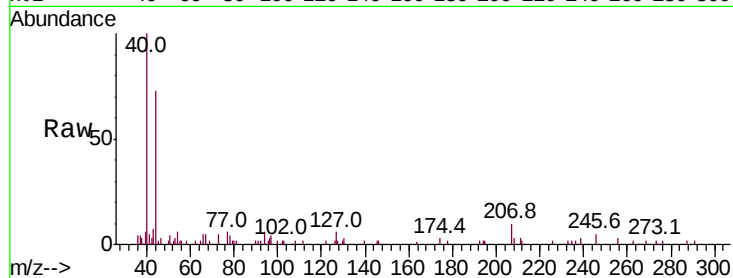
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampleId :
TP-8

Tot Ion:146 Resp: 471

Ion	Ratio	Lower	Upper
146	100		
111	41.3	18.9	56.9
148	0.0	34.0	101.8#



#88

1,4-Dichlorobenzene

Concen: 11.529 ug/l

RT: 12.64 min Scan# 1228

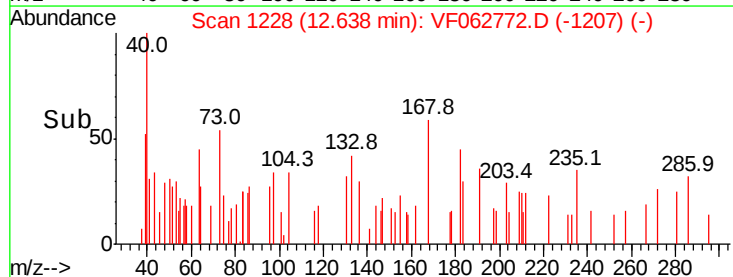
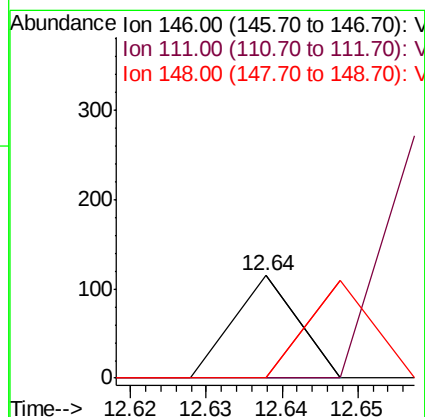
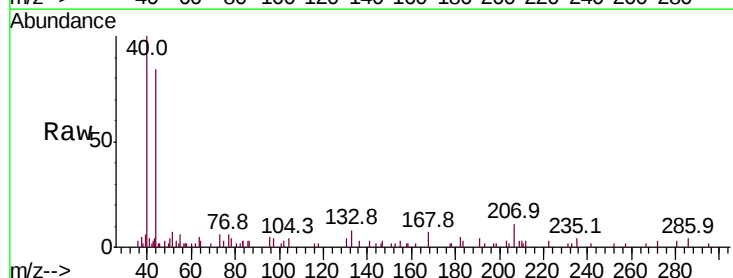
Delta R.T. 0.01 min

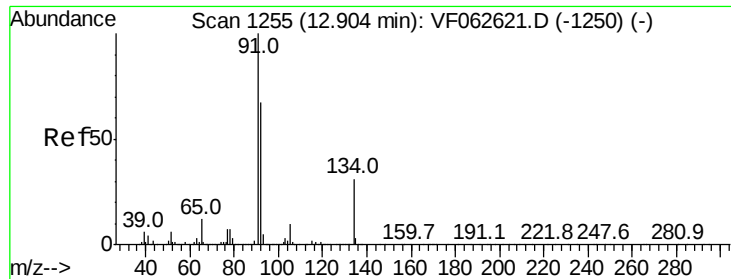
Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion:146 Resp: 68

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.4	58.2#
148	0.0	33.2	99.6#





#89

n-Butylbenzene

Concen: 15.696 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Instrument :

MSVOA_F

ClientSampled :

TP-8

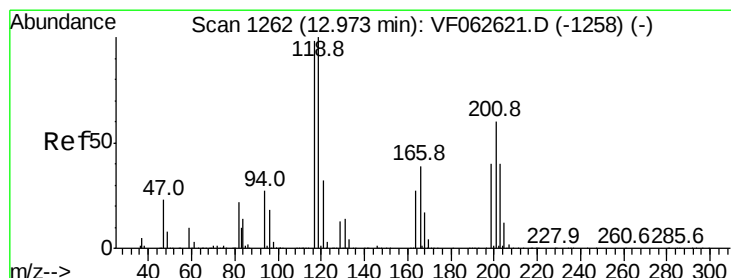
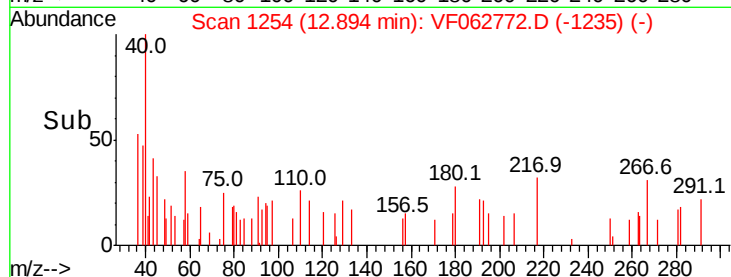
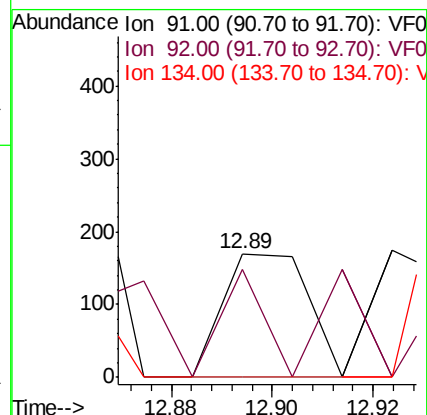
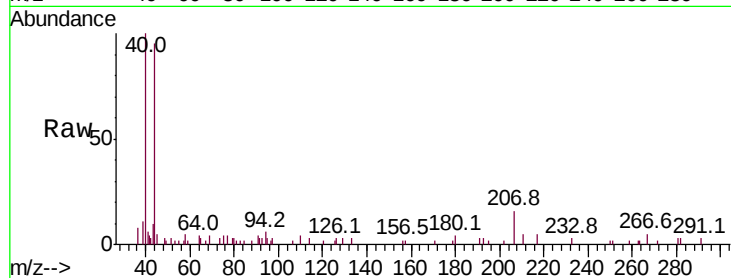
Tot Ion: 91 Resp: 199

Ion Ratio Lower Upper

91 100

92 87.6 33.3 99.8

134 0.0 15.4 46.4#



#90

Hexachloroethane

Concen: 25.610 ug/l

RT: 12.87 min Scan# 1252

Delta R.T. -0.10 min

Lab File: VF062772.D

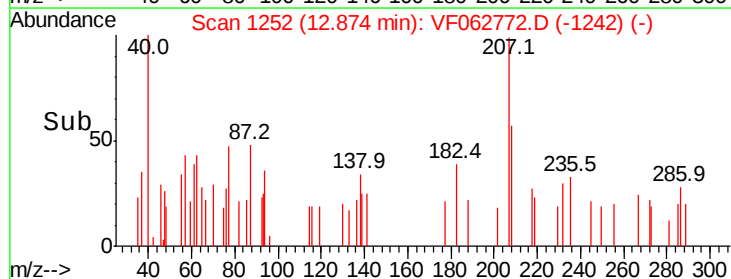
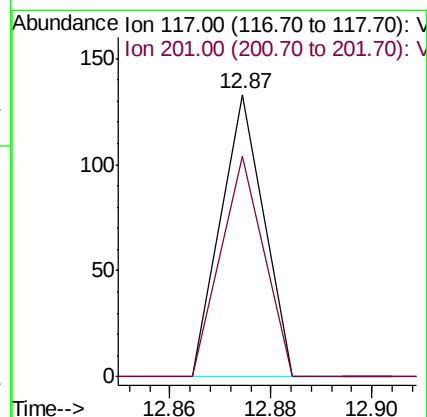
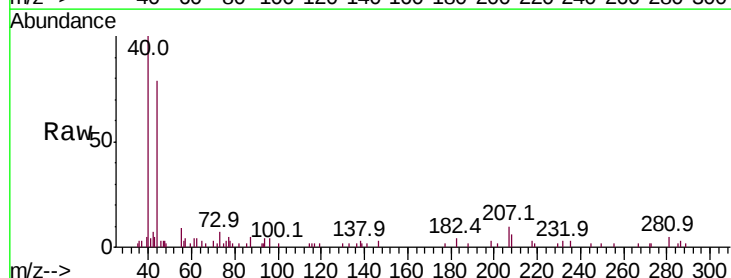
Acq: 28 May 2019 20:42

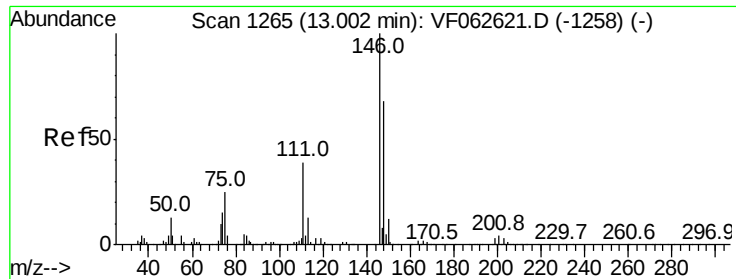
Tgt Ion: 117 Resp: 79

Ion Ratio Lower Upper

117 100

201 78.2 30.7 92.1





#91

1,2-Dichlorobenzene

Concen: 13.387 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

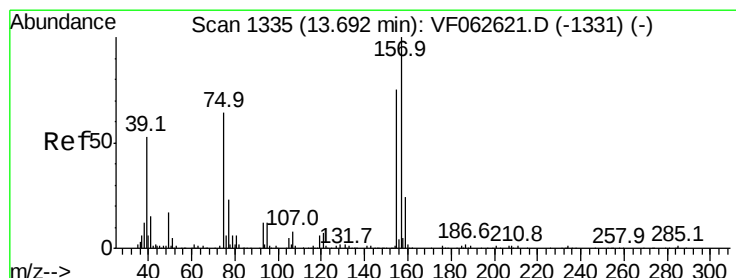
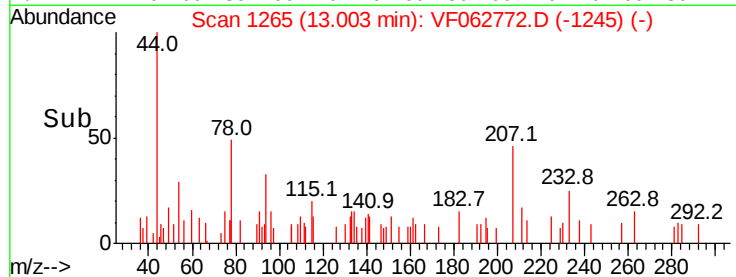
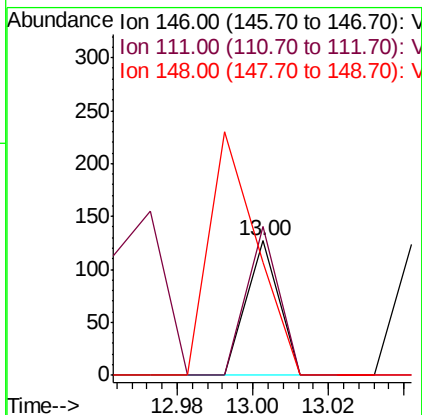
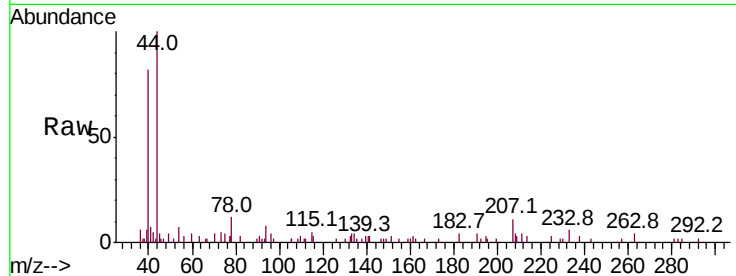
Instrument :

MSVOA_F

ClientSampled :

TP-8

Tot Ion:	146	Resp:	75
Ion	Ratio	Lower	Upper
146	100		
111	110.2	19.8	59.3#
148	84.3	34.1	102.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 410.881 ug/l

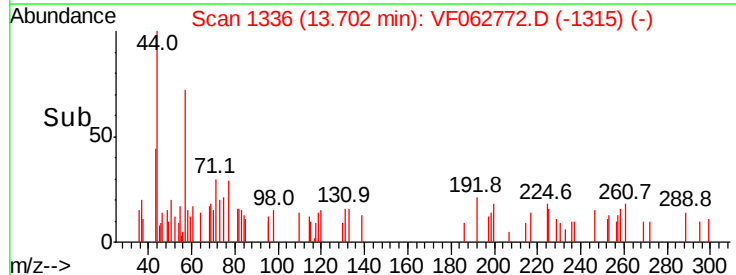
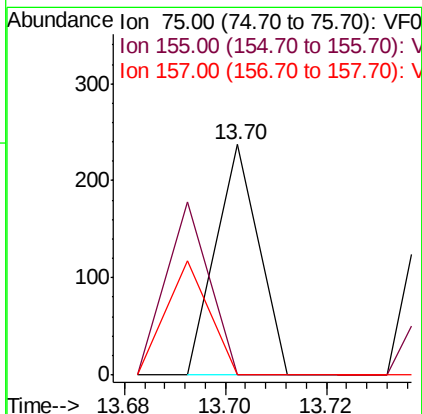
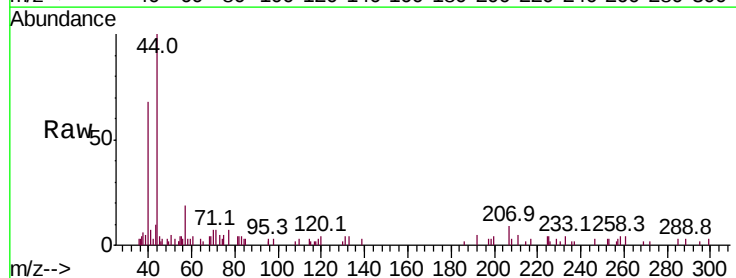
RT: 13.70 min Scan# 1336

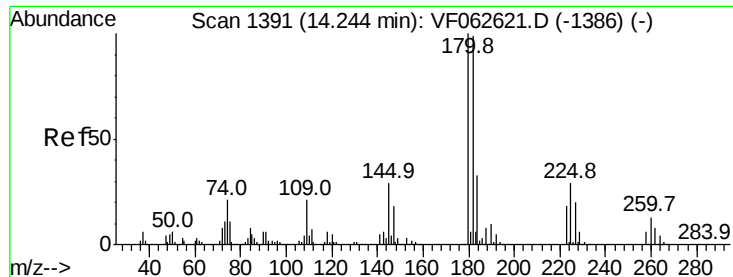
Delta R.T. 0.01 min

Lab File: VF062772.D

Acq: 28 May 2019 20:42

Tgt Ion:	75	Resp:	140
Ion	Ratio	Lower	Upper
75	100		
155	0.0	58.1	174.3#
157	0.0	77.8	233.4#

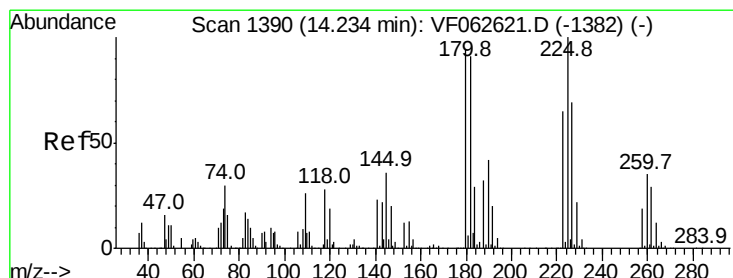
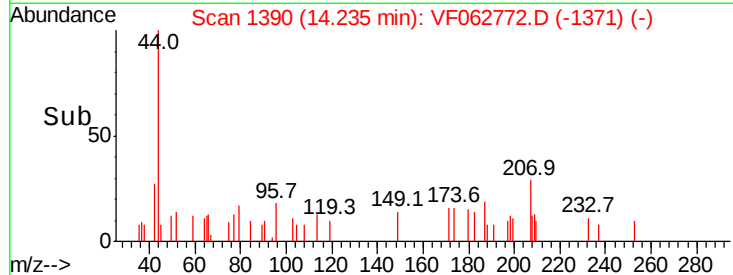
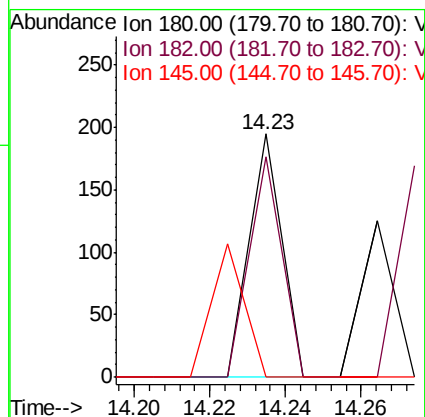
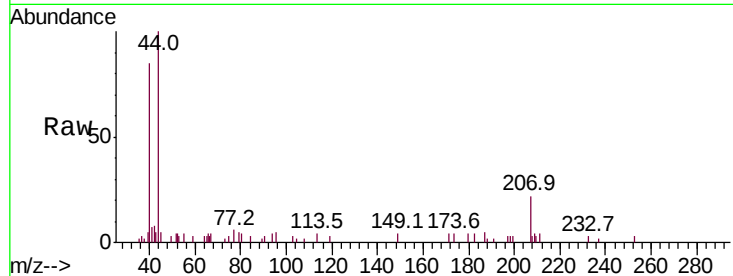




#93
 1,2,4-Trichlorobenzene
 Concen: 28.676 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062772.D
 Acq: 28 May 2019 20:42

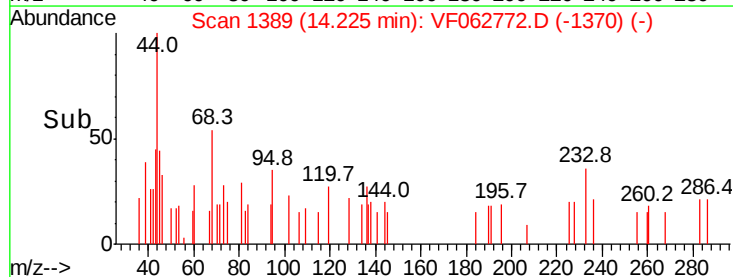
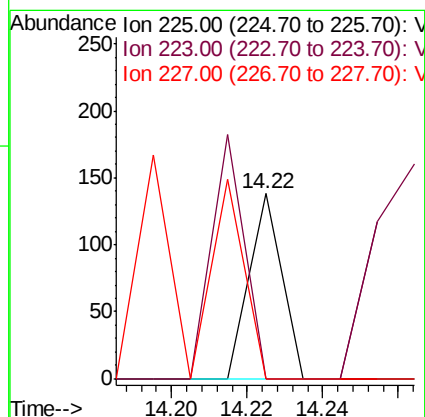
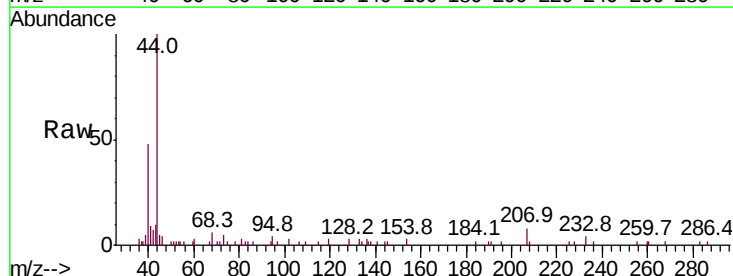
Instrument :
 MSVOA_F
 ClientSampled :
 TP-8

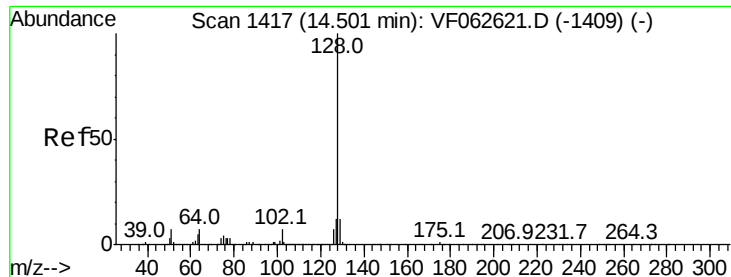
Tot Ion:180 Resp: 115
 Ion Ratio Lower Upper
 180 100
 182 90.8 49.7 149.1
 145 0.0 14.6 44.0#



#94
 Hexachlorobutadiene
 Concen: 29.300 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VF062772.D
 Acq: 28 May 2019 20:42

Tgt Ion:225 Resp: 82
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.5 97.4#
 227 0.0 34.5 103.5#

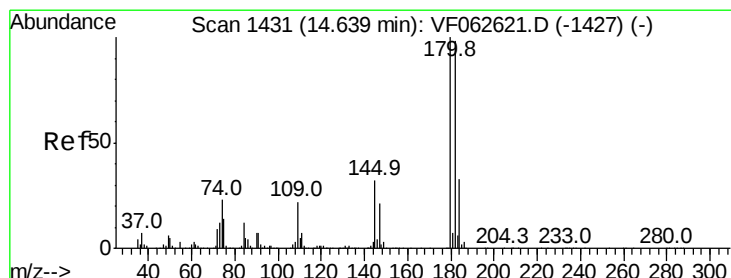
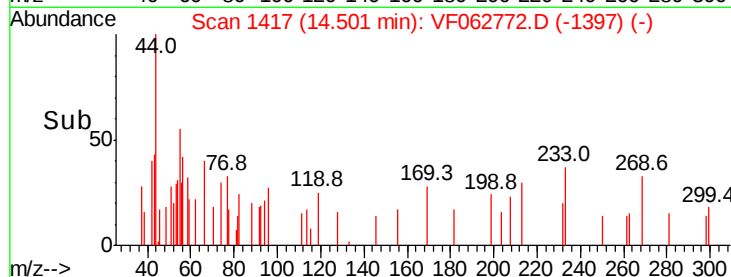
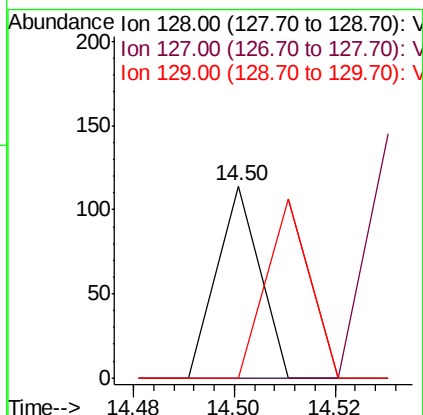
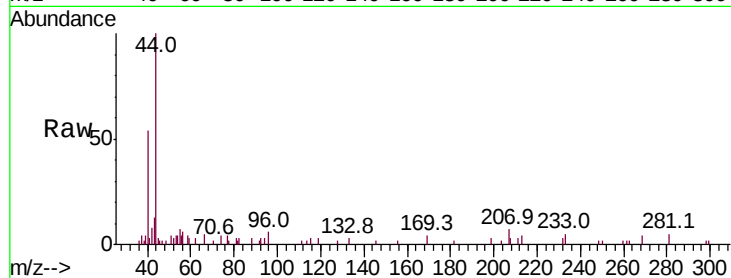




#95
Naphthalene
Concen: 9.196 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Instrument :
MSVOA_F
ClientSampleId :
TP-8

Tot Ion:	128	Resp:	67
Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.7	14.5#
129	0.0	9.3	13.9#



#96
1,2,3-Trichlorobenzene
Concen: 20.797 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.04 min
Lab File: VF062772.D
Acq: 28 May 2019 20:42

Tgt Ion:	180	Resp:	79
Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.9	146.7#
145	0.0	16.1	48.2#

