

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062144.D
 Acq On : 26 Mar 2019 14:22
 Operator : VA/AP
 Sample : VF0326SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	236350	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	351138	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.75	117	294455	50.00	ug/l	-0.06
72) 1,4-Dichlorobenzene-d4	12.54	152	162540	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.82	65	102435	58.27	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	116.54%	
35) Dibromofluoromethane	4.09	113	141082	59.40	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	118.80%	
50) Toluene-d8	7.53	98	407422	57.46	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	114.92%	
62) 4-Bromofluorobenzene	11.40	95	157784	57.64	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	115.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	72680	24.004	ug/l	97
3) Chloromethane	1.09	50	74728	23.587	ug/l	90
4) Vinyl Chloride	1.13	62	71830	24.511	ug/l	98
5) Bromomethane	1.31	94	50496	23.971	ug/l	91
6) Chloroethane	1.39	64	35301	23.929	ug/l	99
7) Trichlorofluoromethane	1.47	101	87035	24.591	ug/l	97
8) Diethyl Ether	1.62	74	18662	23.083	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	54983	22.772	ug/l	91
10) Methyl Iodide	1.90	142	78215	17.046	ug/l	97
11) Tert butyl alcohol	2.56	59	11582	119.738	ug/l	97
12) 1,1-Dichloroethene	1.79	96	53928	23.671	ug/l	91
13) Acrolein	1.99	56	13357	114.834	ug/l	85
14) Allyl chloride	2.09	41	64513	26.523	ug/l	98
15) Acrylonitrile	2.93	53	37437	110.063	ug/l	98
16) Acetone	2.22	43	41377	111.831	ug/l	95
17) Carbon Disulfide	1.80	76	163353	23.513	ug/l	99
18) Methyl Acetate	2.41	43	16549	18.750	ug/l	93
19) Methyl tert-butyl Ether	2.42	73	78545	21.814	ug/l	96
20) Methylene Chloride	2.18	84	27467	9.762	ug/l	92
21) trans-1,2-Dichloroethene	2.29	96	52238	23.831	ug/l	89
22) Diisopropyl ether	2.79	45	144803	22.706	ug/l	97
23) Vinyl Acetate	3.17	43	311754	119.398	ug/l	100
24) 1,1-Dichloroethane	2.86	63	91991	24.054	ug/l	99
25) 2-Butanone	4.31	43	80101	103.702	ug/l	99
26) 2,2-Dichloropropane	3.58	77	38507	24.834	ug/l	98
27) cis-1,2-Dichloroethene	3.46	96	62440	21.496	ug/l	88
28) Bromochloromethane	3.69	49	39386	25.207	ug/l	94
29) Tetrahydrofuran	4.05	42	31753	94.549	ug/l	97
30) Chloroform	3.84	83	90817	22.470	ug/l	97
31) Cyclohexane	3.67	56	53469	13.387	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	60356	24.549	ug/l	98
36) 1,1-Dichloropropene	4.26	75	75977	22.716	ug/l	97
37) Ethyl Acetate	4.10	43	29134	19.932	ug/l	97
38) Carbon Tetrachloride	3.97	117	55616	24.398	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062144.D
 Acq On : 26 Mar 2019 14:22
 Operator : VA/AP
 Sample : VF0326SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	84350	21.730	ug/l	94
40) Benzene	4.61	78	204849	22.847	ug/l	96
41) Methacrylonitrile	4.73	41	17334	22.413	ug/l	92
42) 1,2-Dichloroethane	4.92	62	50086	23.622	ug/l	100
43) Isopropyl Acetate	6.94	43	39771	22.467	ug/l #	95
44) Trichloroethene	5.48	130	65809	24.007	ug/l	95
45) 1,2-Dichloropropane	6.22	63	47838	22.370	ug/l	95
46) Dibromomethane	6.07	93	27563	21.080	ug/l	97
47) Bromodichloromethane	6.37	83	65152	22.495	ug/l	92
48) Methyl methacrylate	6.69	41	22194	22.020	ug/l	92
49) 1,4-Dioxane	6.69	88	4444	502.495	ug/l	92
51) 4-Methyl-2-Pentanone	8.24	43	142156	119.984	ug/l	97
52) Toluene	7.61	92	116565	22.445	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	55244	24.298	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	73231	22.511	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	32686	22.158	ug/l	89
56) Ethyl methacrylate	8.60	69	41055	23.337	ug/l	100
57) 1,3-Dichloropropane	8.83	76	53227	21.741	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	29501	110.510	ug/l	96
59) 2-Hexanone	9.47	43	101780	117.211	ug/l	99
60) Dibromochloromethane	8.69	129	47740	23.280	ug/l	93
61) 1,2-Dibromoethane	8.96	107	36759	23.357	ug/l	95
64) Tetrachloroethene	8.13	164	53578	23.552	ug/l	93
65) Chlorobenzene	9.78	112	126987	23.049	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	55086	24.891	ug/l	94
67) Ethyl Benzene	9.88	91	236632	24.697	ug/l	99
68) m/p-Xylenes	10.11	106	174405	48.701	ug/l	98
69) o-Xylene	10.70	106	91685	24.445	ug/l	95
70) Styrene	10.77	104	132629	23.338	ug/l	99
71) Bromoform	10.75	173	25723	22.724	ug/l	96
73) Isopropylbenzene	11.11	105	266301	23.283	ug/l	99
74) N-amyl acetate	11.36	43	59618	21.876	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.68	83	43718	22.262	ug/l	98
76) 1,2,3-Trichloropropane	11.86	75	16386	11.856	ug/l	96
77) Bromobenzene	11.47	156	61113	21.870	ug/l	82
78) n-propylbenzene	11.58	91	307240	23.134	ug/l	97
79) 2-Chlorotoluene	11.70	91	162834	22.059	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	213687	22.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	16386	29.097	ug/l	94
82) 4-Chlorotoluene	11.88	91	173365	22.905	ug/l	96
83) tert-Butylbenzene	12.12	119	239188	24.288	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	213042	23.100	ug/l	97
85) sec-Butylbenzene	12.29	105	294110	23.085	ug/l	100
86) p-Isopropyltoluene	12.44	119	261243	23.668	ug/l	96
87) 1,3-Dichlorobenzene	12.46	146	119122	22.946	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	116398	22.977	ug/l	96
89) n-Butylbenzene	12.83	91	247960	23.547	ug/l	92
90) Hexachloroethane	12.90	117	59071	22.476	ug/l	84
91) 1,2-Dichlorobenzene	12.92	146	111619	22.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6489	21.808	ug/l	69

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
Data File : VF062144.D
Acq On : 26 Mar 2019 14:22
Operator : VA/AP
Sample : VF0326SBS01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Mar 27 05:14:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration

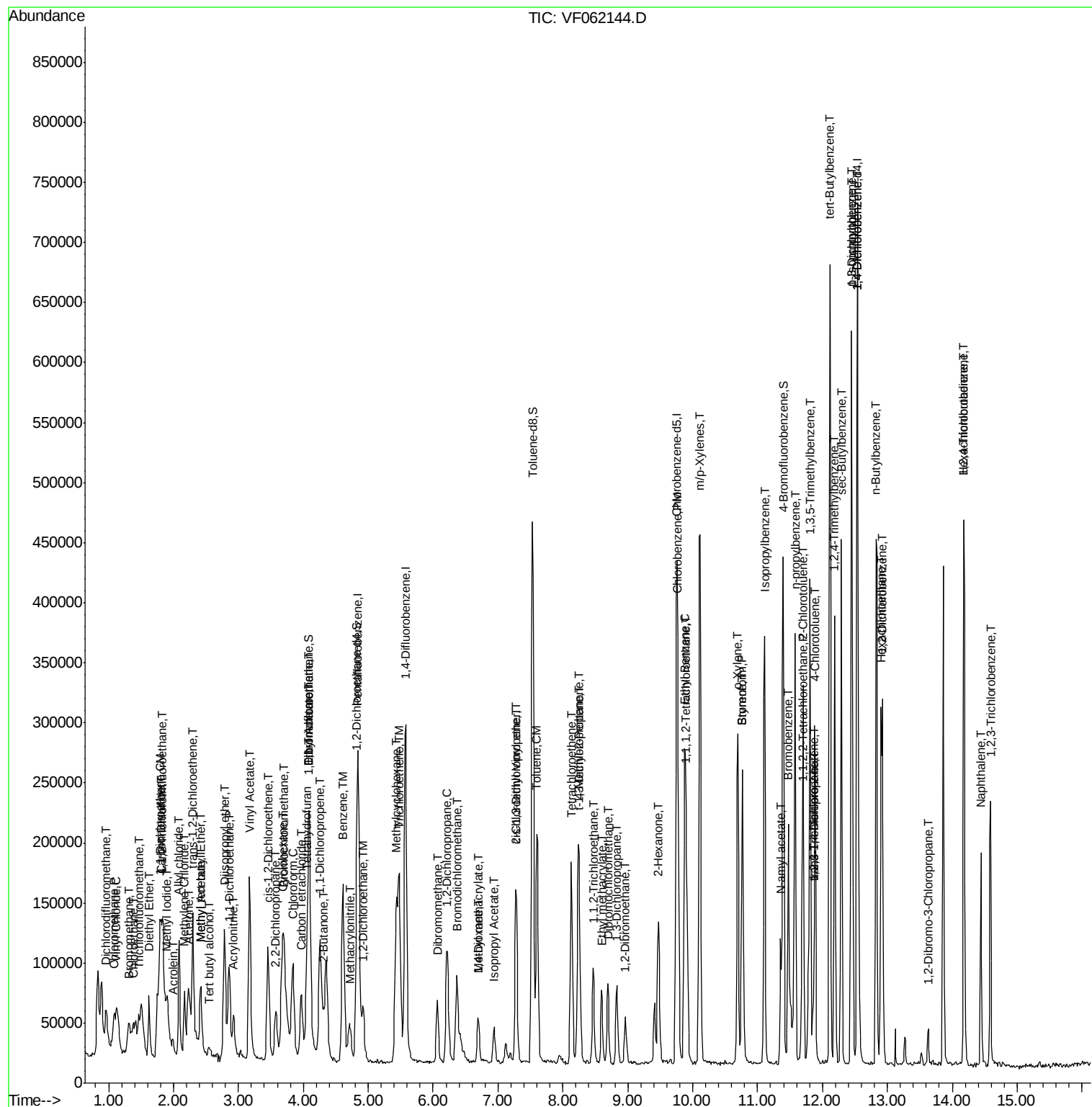
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	78687	23.160	ug/l	97
94) Hexachlorobutadiene	14.18	225	50858	22.514	ug/l	96
95) Naphthalene	14.44	128	125553	21.088	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	70930	22.303	ug/l	93

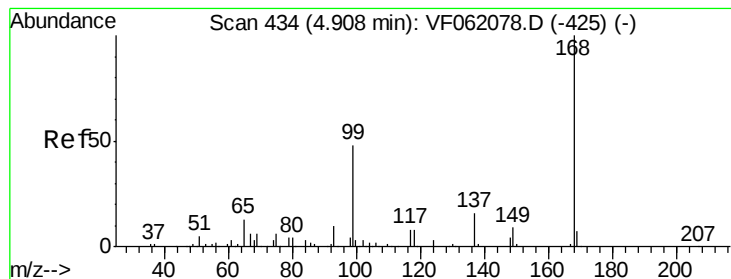
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032619\
 Data File : VF062144.D
 Acq On : 26 Mar 2019 14:22
 Operator : VA/AP
 Sample : VF0326SBS01
 Misc : 5.00µL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 27 05:14:57 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

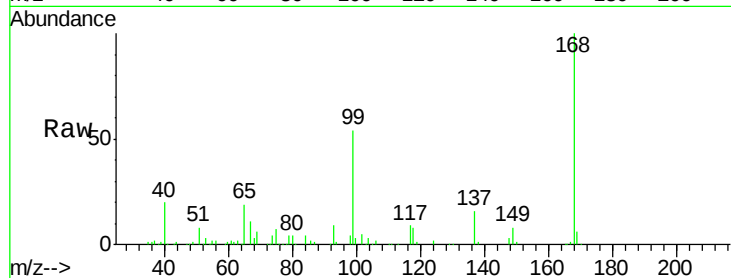
ClientSampleId :

Tot Ion:168 Resp: 236350

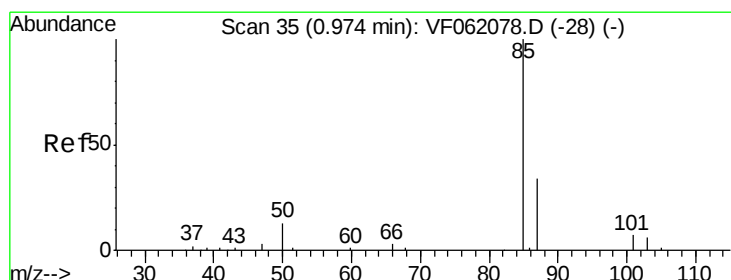
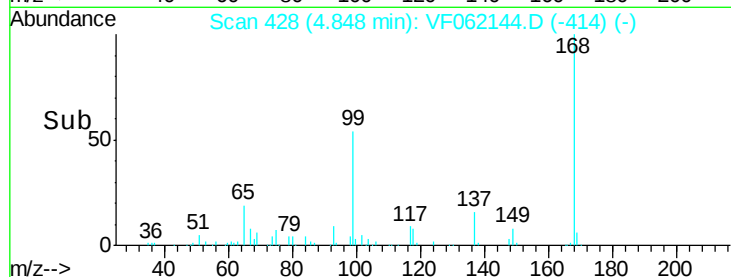
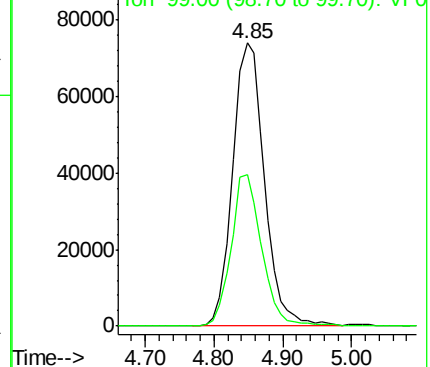
Ion Ratio Lower Upper

168 100

99 53.6 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 24.004 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF062144.D

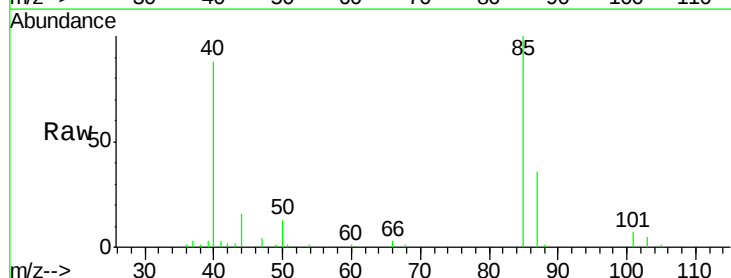
Acq: 26 Mar 2019 14:22

Tgt Ion: 85 Resp: 72680

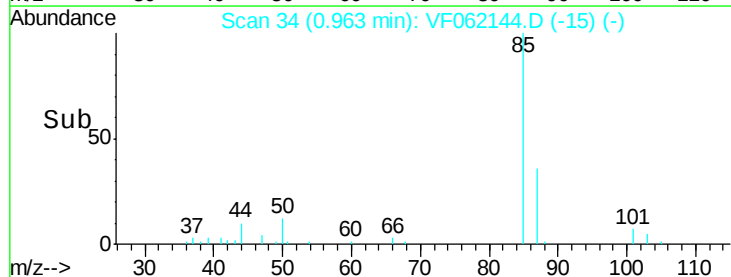
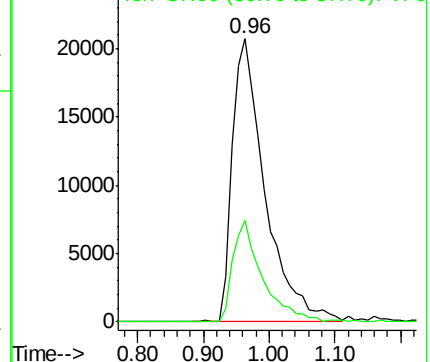
Ion Ratio Lower Upper

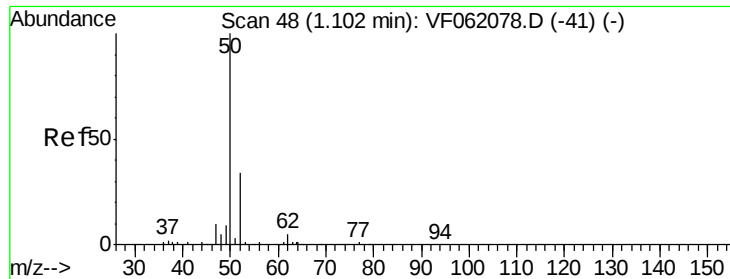
85 100

87 35.8 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 23.587 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

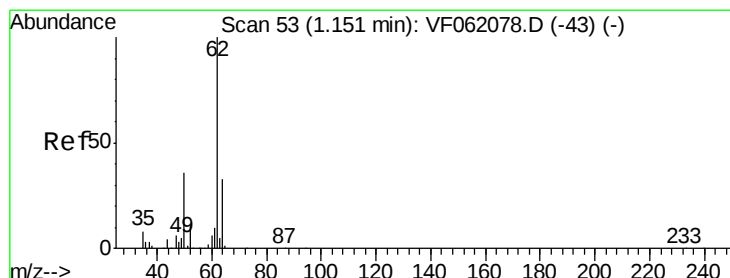
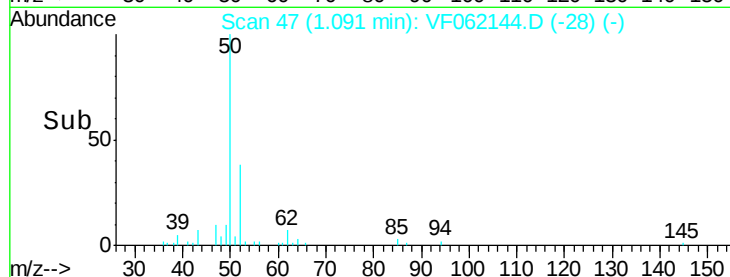
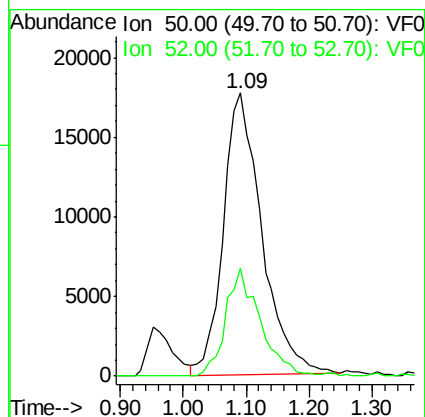
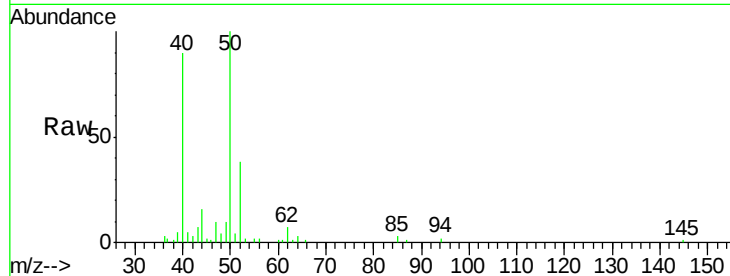
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 74728

Ion Ratio Lower Upper

50 100

52 38.1 26.1 39.1



#4

Vinyl Chloride

Concen: 24.511 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF062144.D

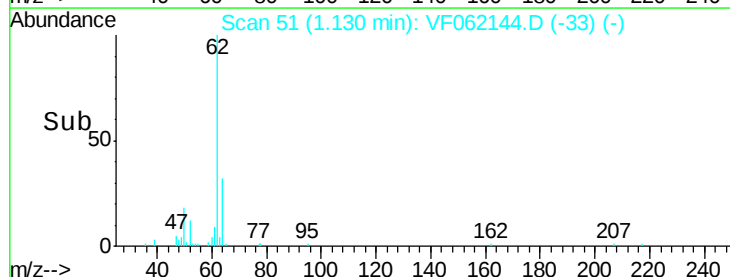
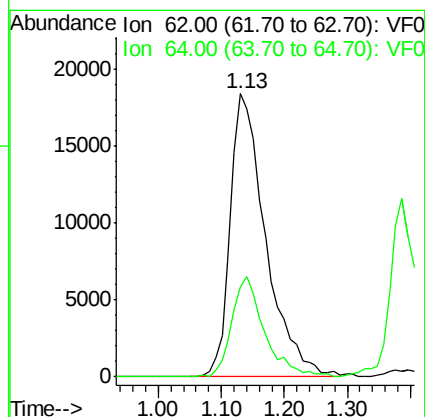
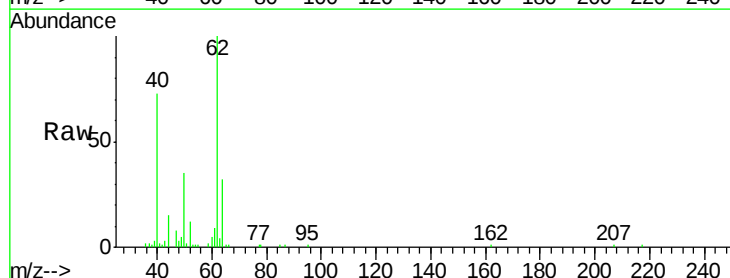
Acq: 26 Mar 2019 14:22

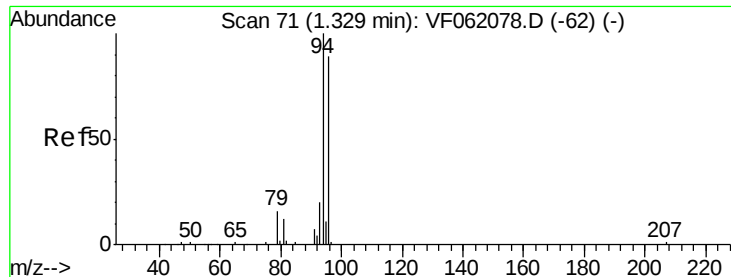
Tgt Ion: 62 Resp: 71830

Ion Ratio Lower Upper

62 100

64 31.7 26.2 39.2





#5

Bromomethane

Concen: 23.971 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.02 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

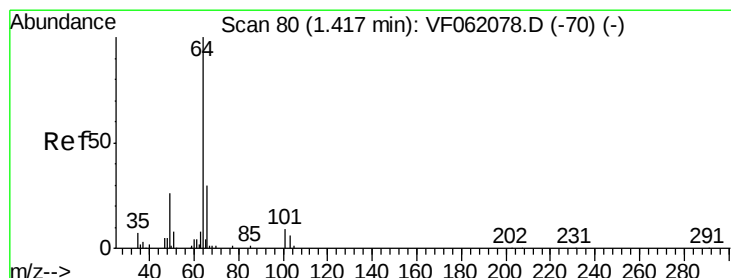
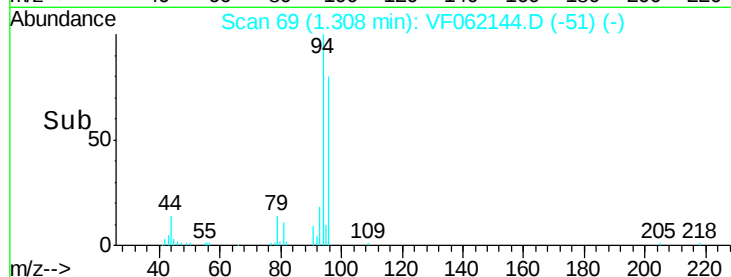
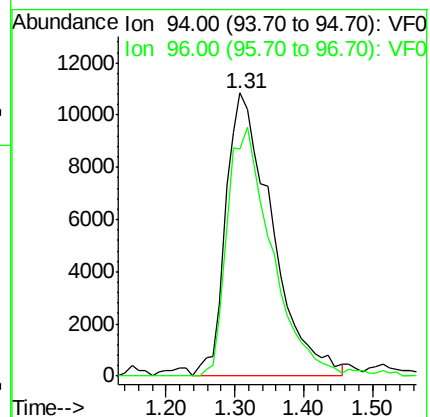
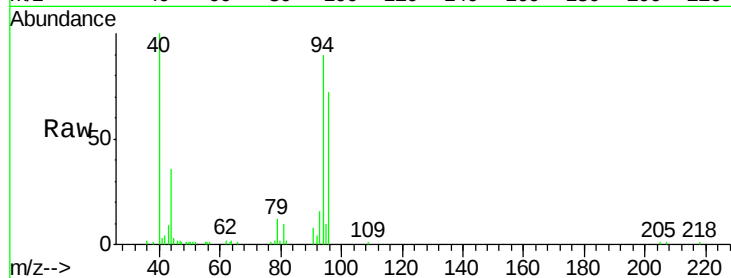
ClientSampled :

Tot Ion: 94 Resp: 50496

Ion Ratio Lower Upper

94 100

96 80.3 70.9 106.3



#6

Chloroethane

Concen: 23.929 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.03 min

Lab File: VF062144.D

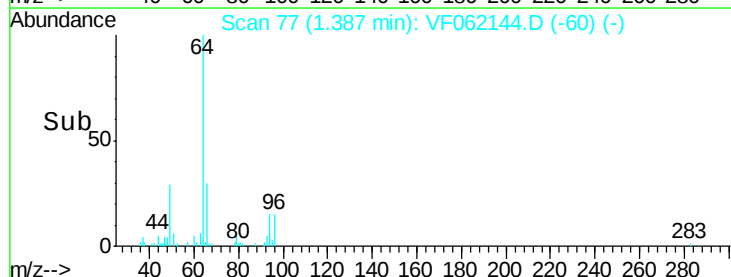
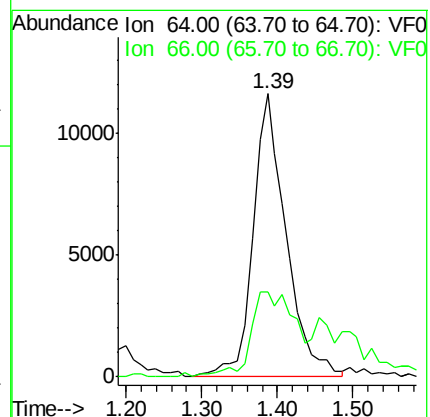
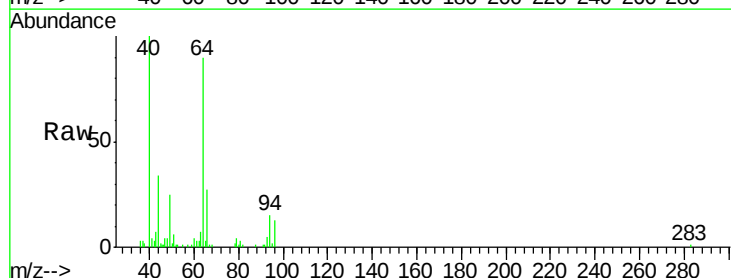
Acq: 26 Mar 2019 14:22

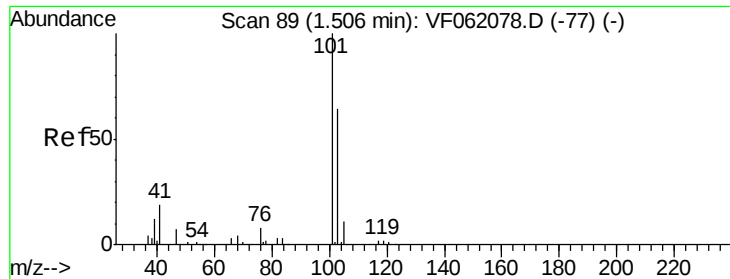
Tgt Ion: 64 Resp: 35301

Ion Ratio Lower Upper

64 100

66 30.1 24.5 36.7





#7

Trichlorofluoromethane

Concen: 24.591 ug/l

RT: 1.47 min Scan# 85

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

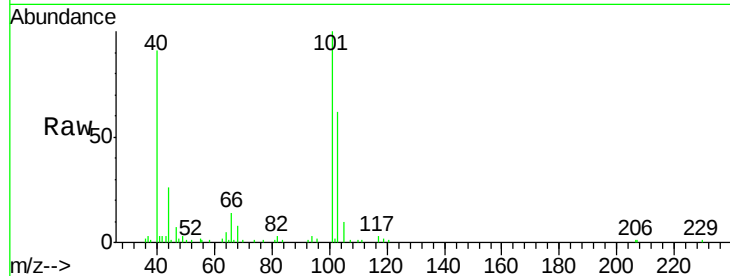
ClientSampleId :

Tot Ion:101 Resp: 87035

Ion Ratio Lower Upper

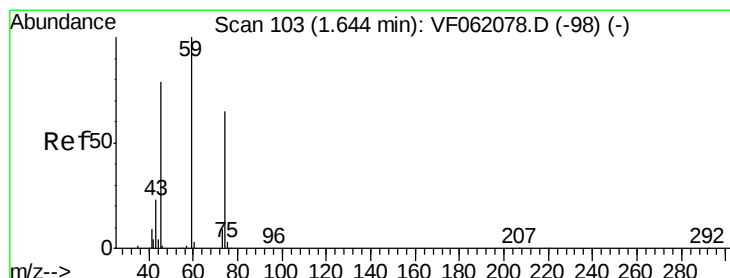
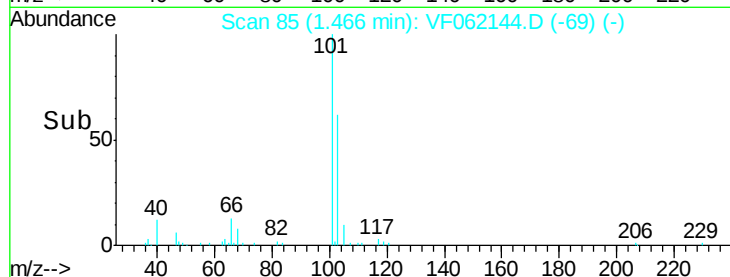
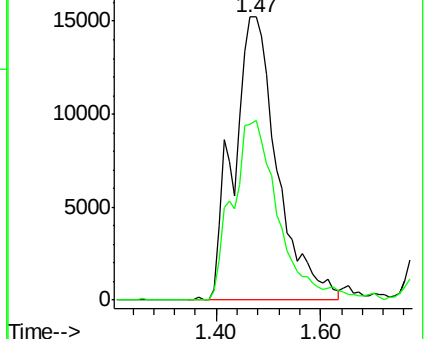
101 100

103 62.2 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 23.083 ug/l

RT: 1.62 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF062144.D

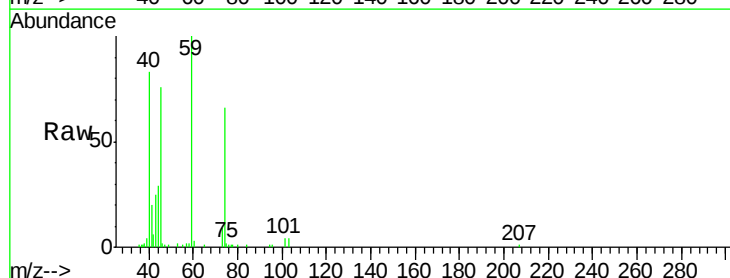
Acq: 26 Mar 2019 14:22

Tgt Ion: 74 Resp: 18662

Ion Ratio Lower Upper

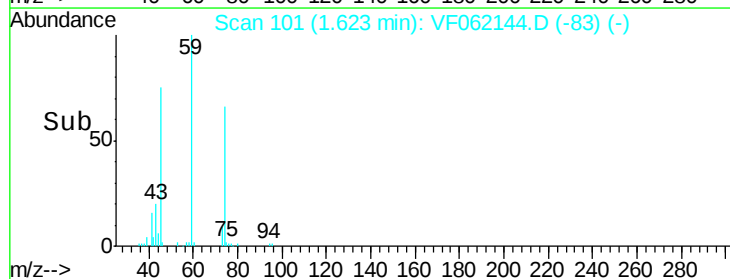
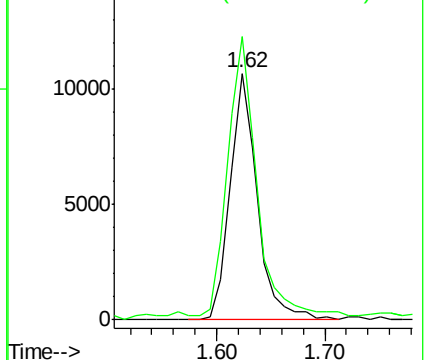
74 100

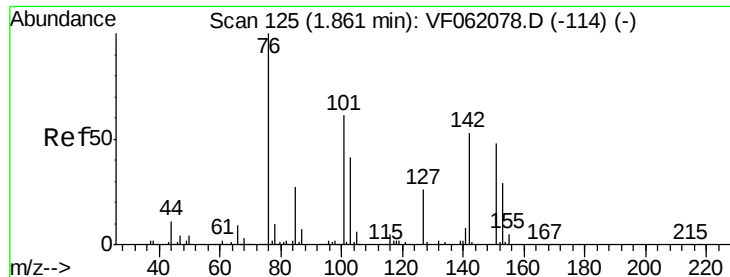
45 114.8 61.4 184.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.772 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.03 min

Lab File: VF062144.D

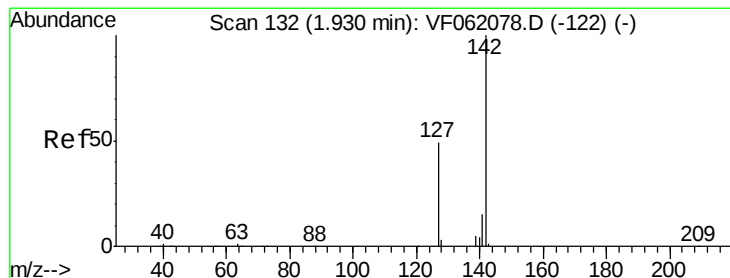
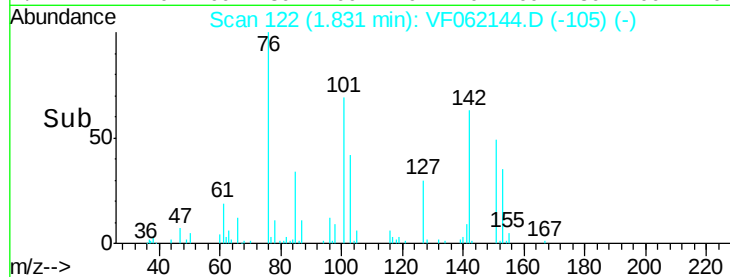
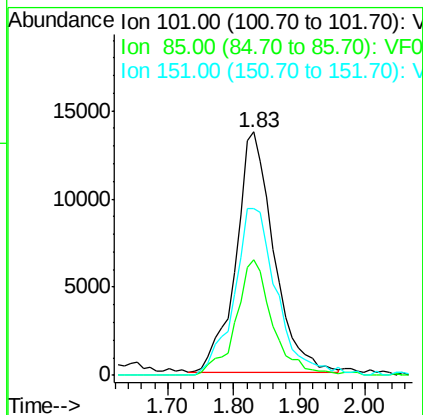
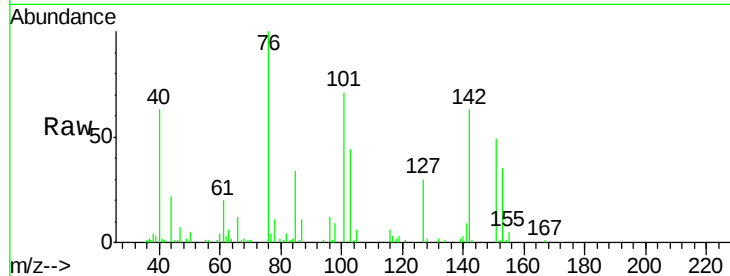
Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampled :

Tot Ion:	101	Resp:	54983
Ion	Ratio	Lower	Upper
101	100		
85	47.4	34.6	52.0
151	68.6	61.7	92.5



#10

Methyl Iodide

Concen: 17.046 ug/l

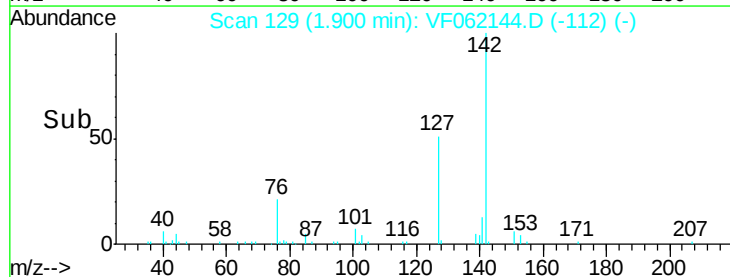
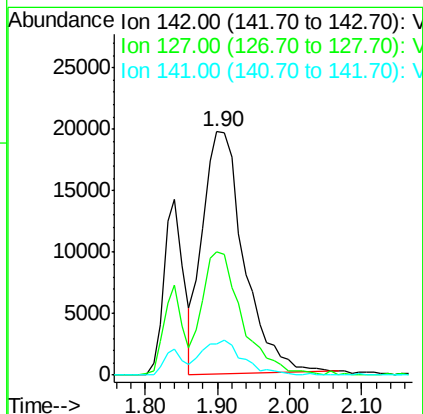
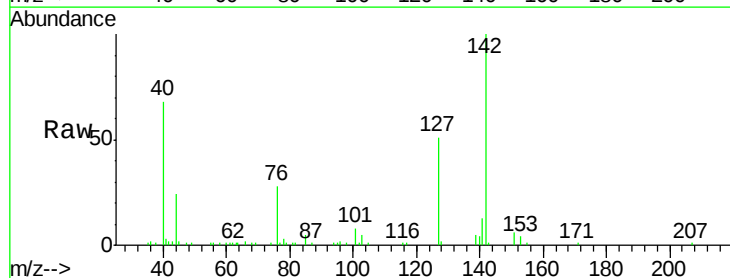
RT: 1.90 min Scan# 129

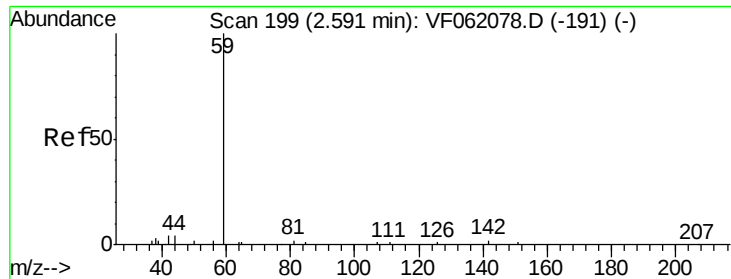
Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:	142	Resp:	78215
Ion	Ratio	Lower	Upper
142	100		
127	50.6	39.1	58.7
141	13.0	12.2	18.4



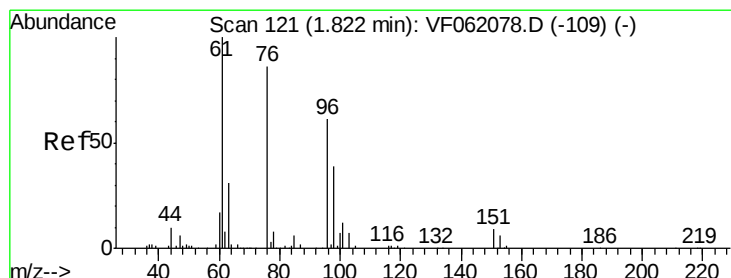
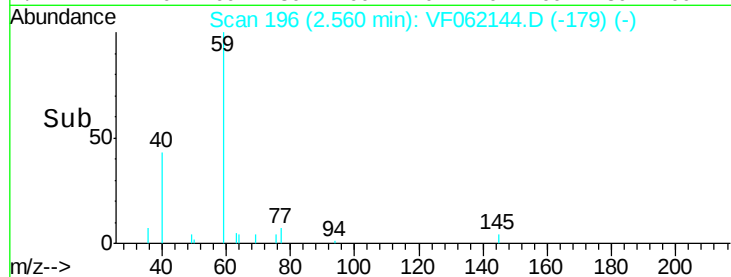
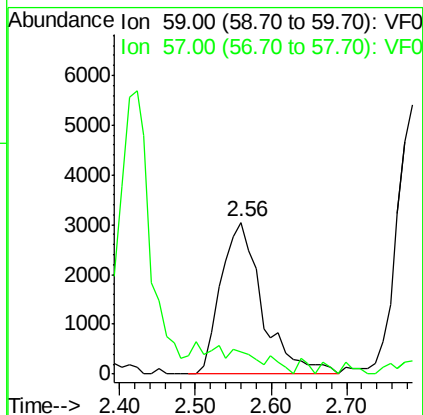
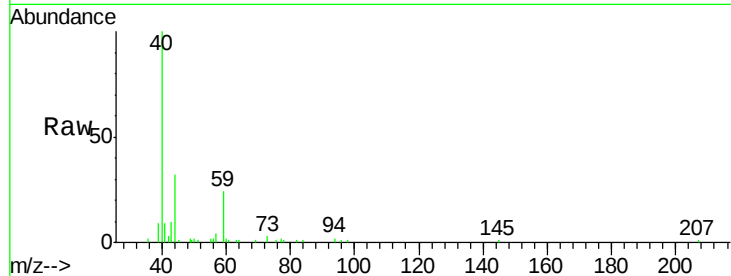


#11

Tert butyl alcohol
Concen: 119.738 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampled :

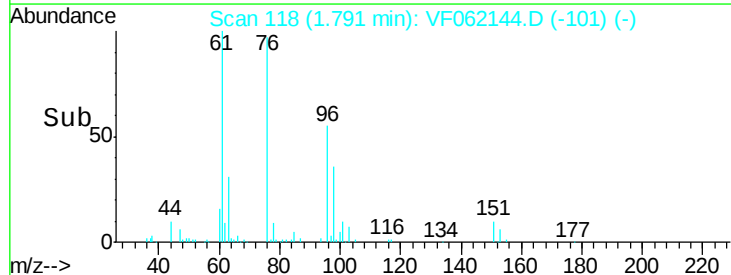
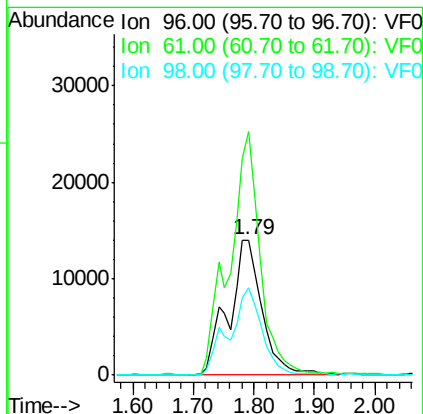
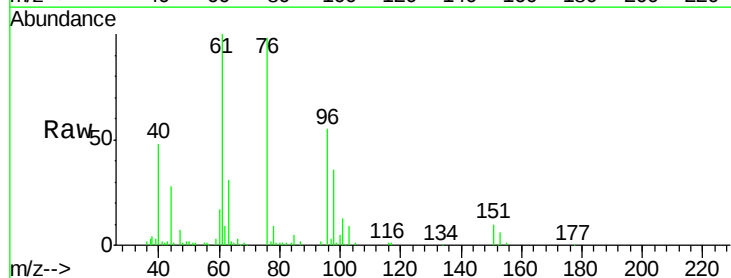
Tot Ion: 59 Resp: 11582
Ion Ratio Lower Upper
59 100
57 14.9 11.0 16.4

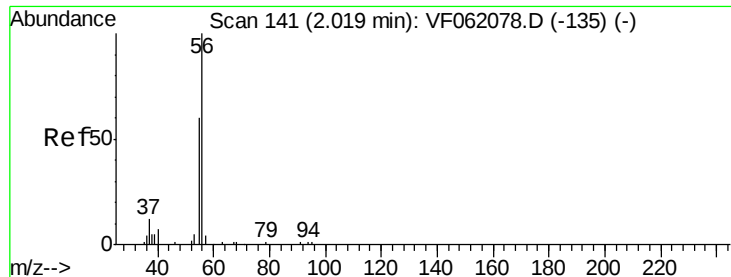


#12

1,1-Dichloroethene
Concen: 23.671 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 96 Resp: 53928
Ion Ratio Lower Upper
96 100
61 180.2 131.0 196.6
98 64.4 51.5 77.3





#13

Acrolein

Concen: 114.834 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

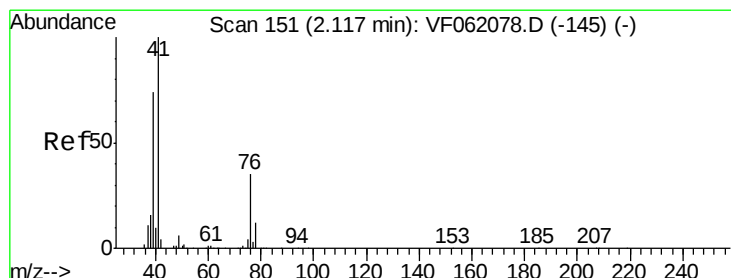
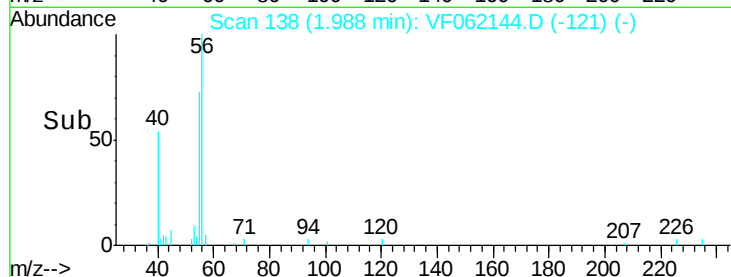
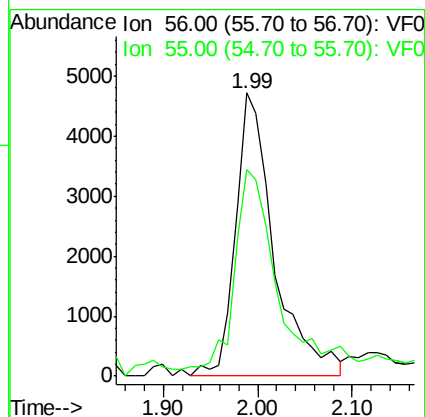
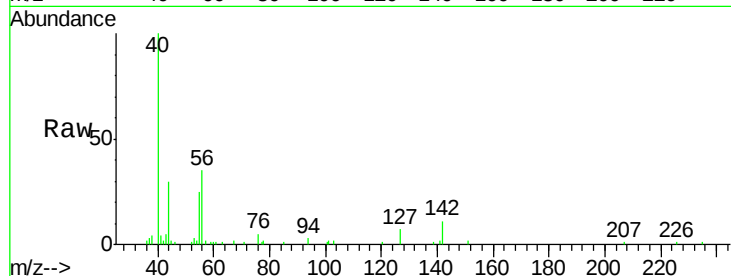
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 13357

Ion Ratio Lower Upper

56 100

55 72.9 49.0 73.4



#14

Allyl chloride

Concen: 26.523 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

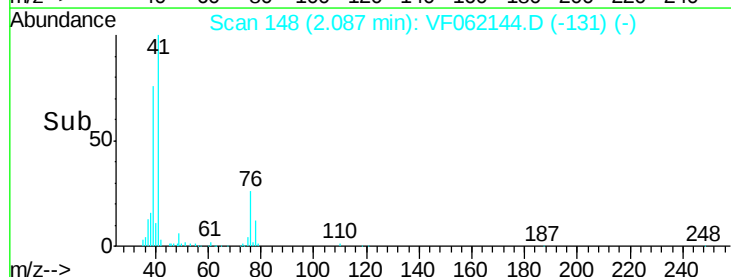
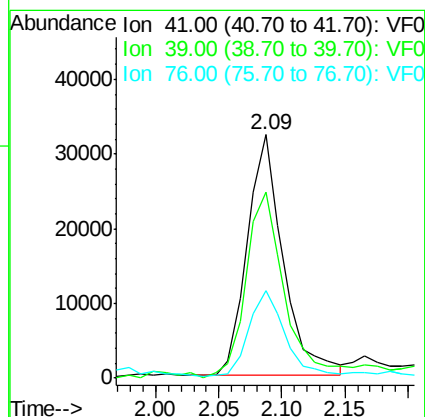
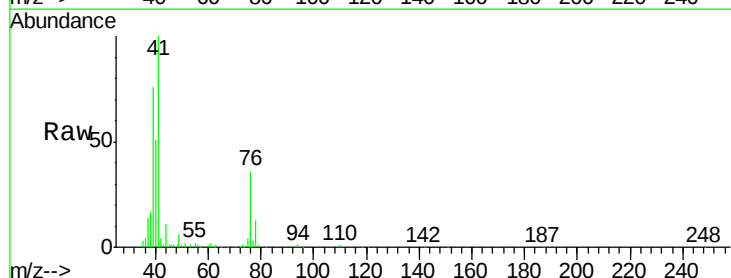
Tgt Ion: 41 Resp: 64513

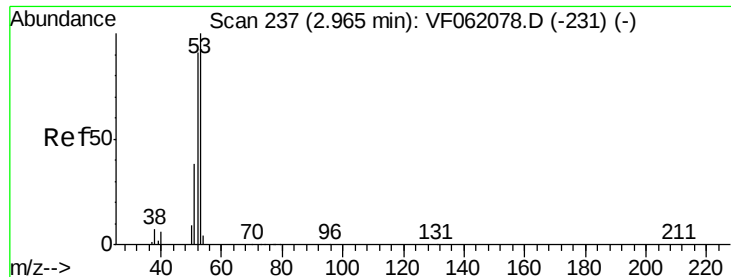
Ion Ratio Lower Upper

41 100

39 76.4 59.8 89.8

76 36.1 30.0 45.0





#15

Acrylonitrile

Concen: 110.063 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

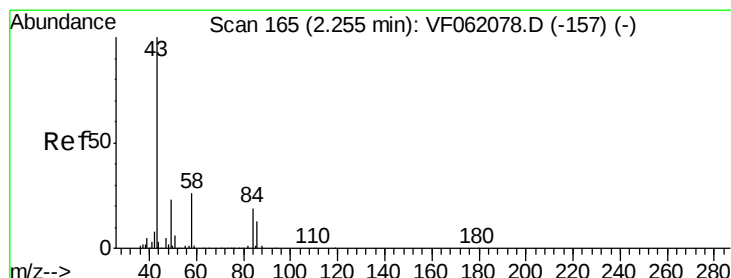
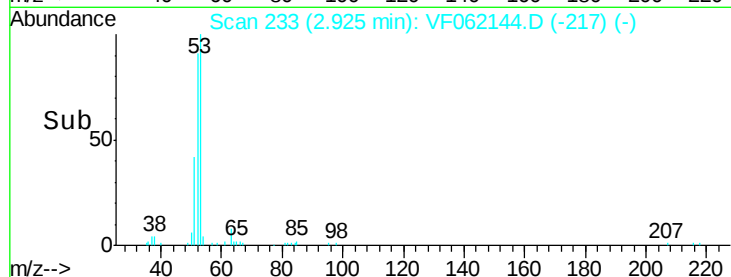
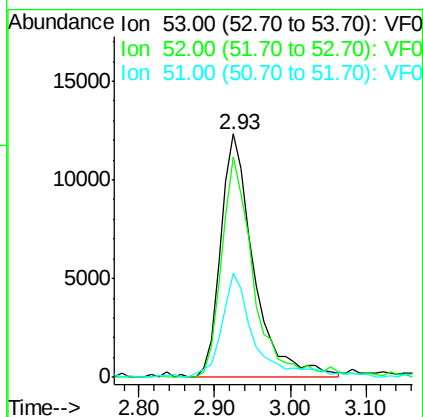
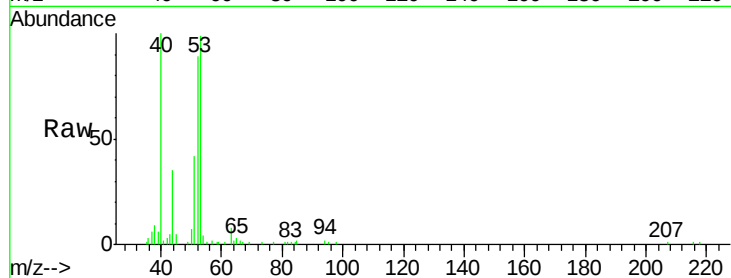
Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 53 Resp: 37437

Ion	Ratio	Lower	Upper
53	100		
52	90.6	72.3	108.5
51	42.6	30.4	45.6



#16

Acetone

Concen: 111.831 ug/l

RT: 2.22 min Scan# 162

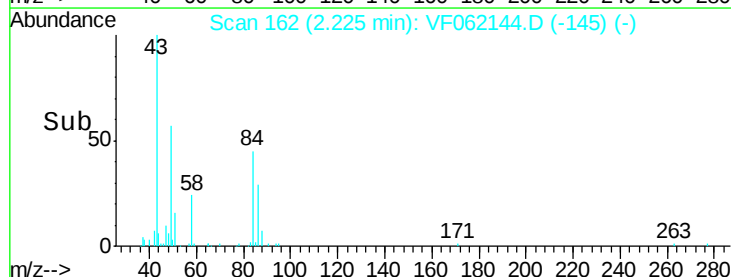
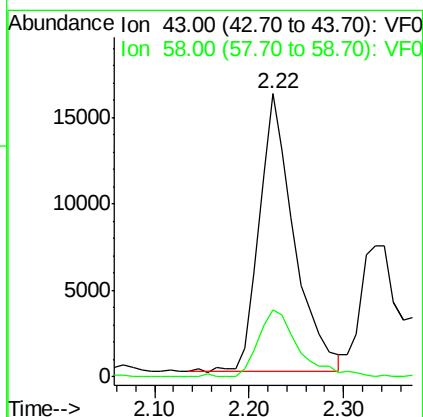
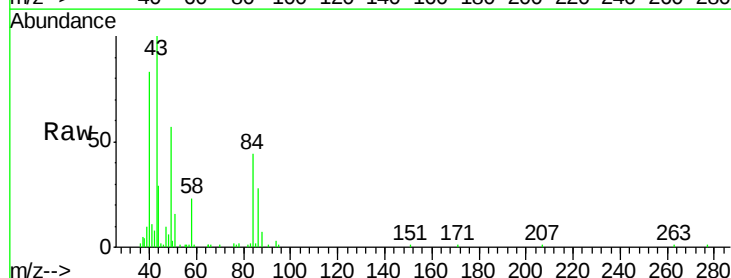
Delta R.T. -0.03 min

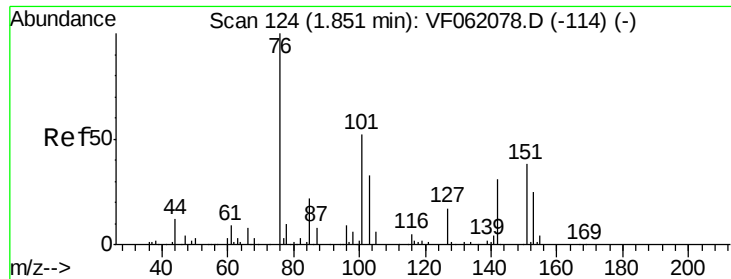
Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion: 43 Resp: 41377

Ion	Ratio	Lower	Upper
43	100		
58	23.5	20.8	31.2

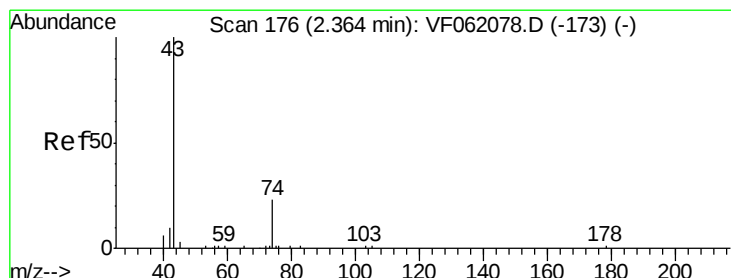
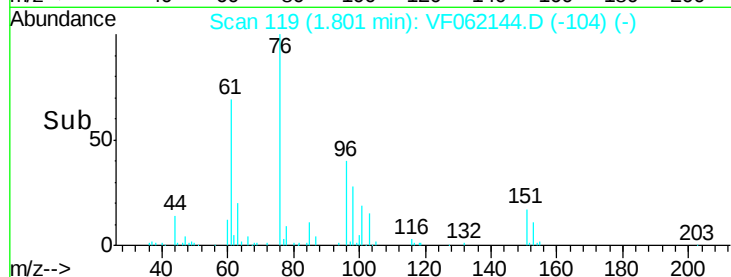
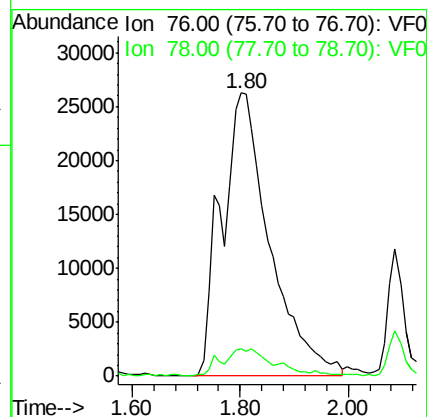
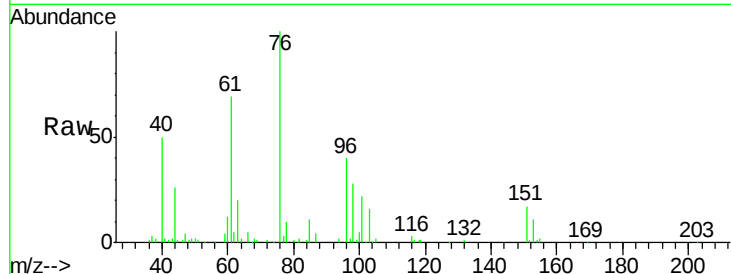




#17
Carbon Disulfide
Concen: 23.513 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

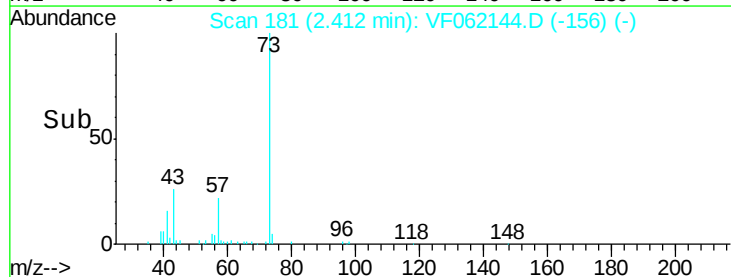
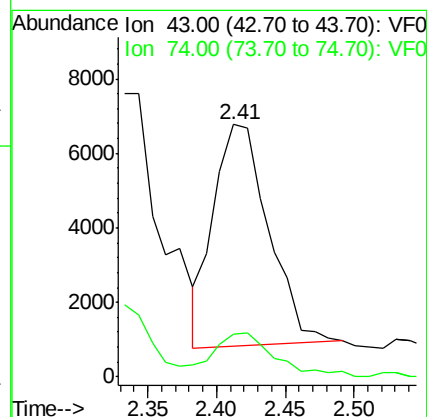
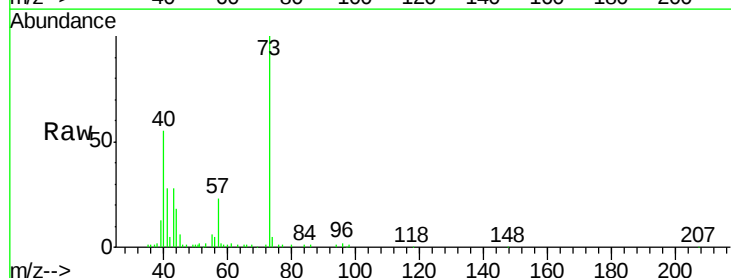
Instrument :
MSVOA_F
ClientSampled :

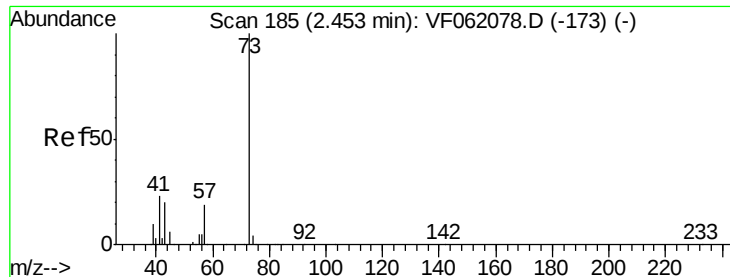
Tot Ion: 76 Resp: 163353
Ion Ratio Lower Upper
76 100
78 9.6 7.9 11.9



#18
Methyl Acetate
Concen: 18.750 ug/l
RT: 2.41 min Scan# 181
Delta R.T. 0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 43 Resp: 16549
Ion Ratio Lower Upper
43 100
74 17.0 16.3 24.5



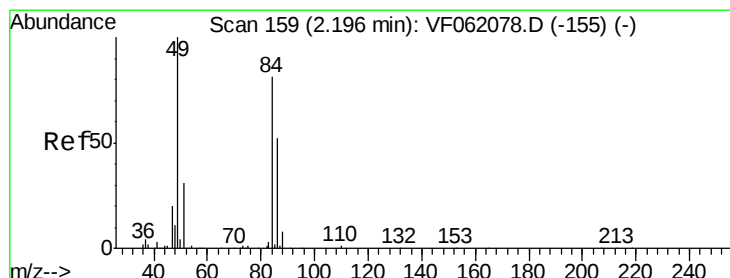
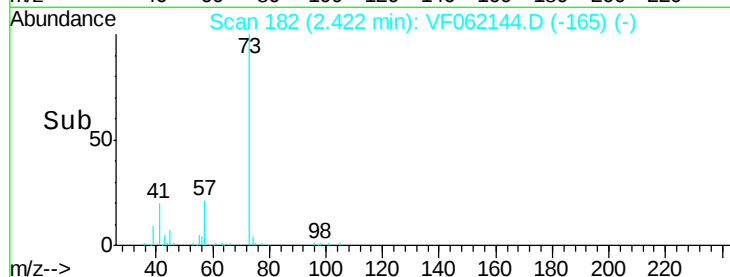
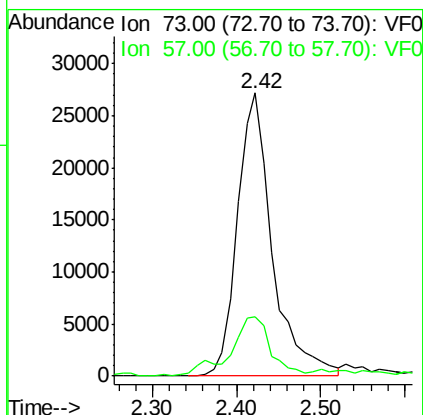
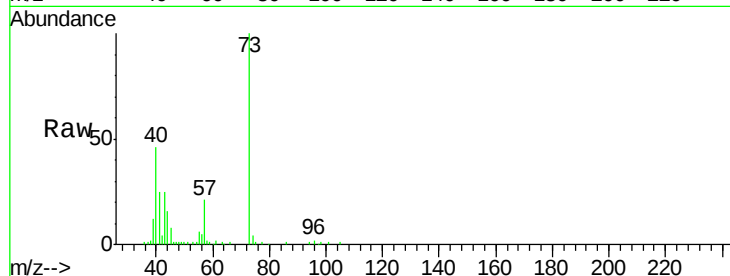


#19

Methyl tert-butyl Ether
 Concen: 21.814 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :

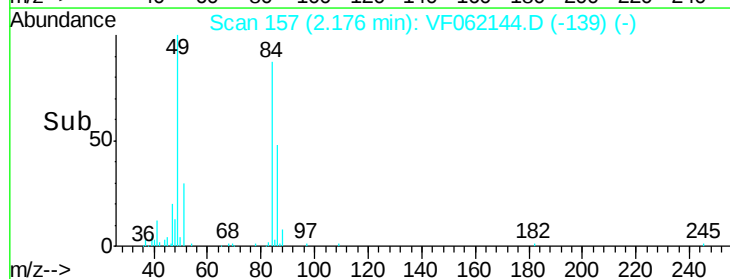
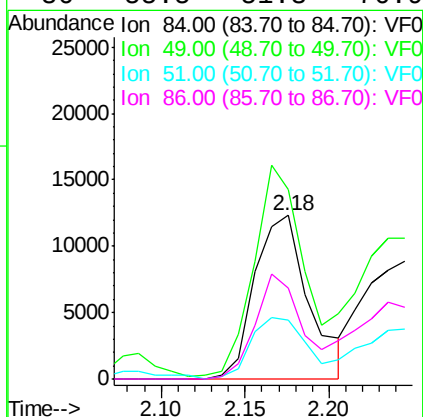
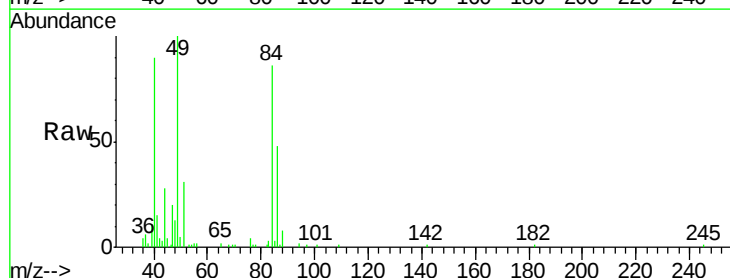
Tot Ion: 73 Resp: 78545
 Ion Ratio Lower Upper
 73 100
 57 20.9 15.1 22.7

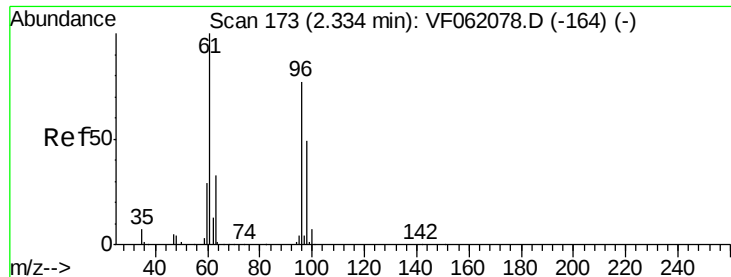


#20

Methylene Chloride
 Concen: 9.762 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.02 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 84 Resp: 27467
 Ion Ratio Lower Upper
 84 100
 49 116.1 100.4 150.6
 51 35.9 31.0 46.6
 86 55.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 23.831 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

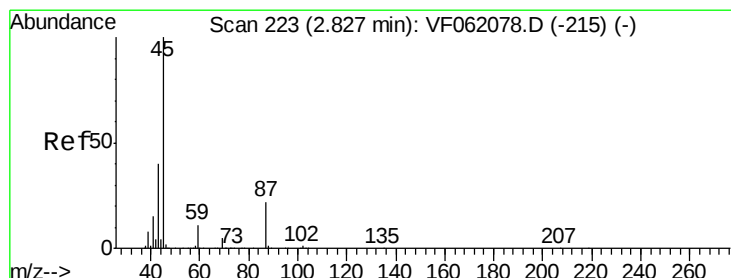
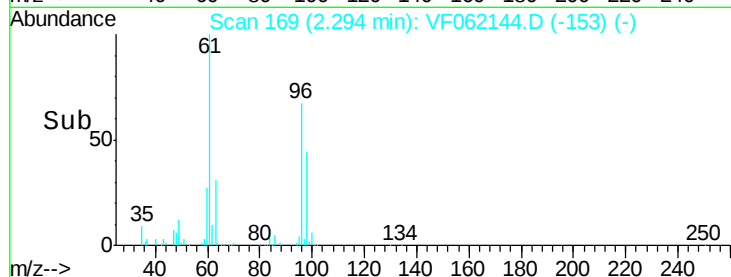
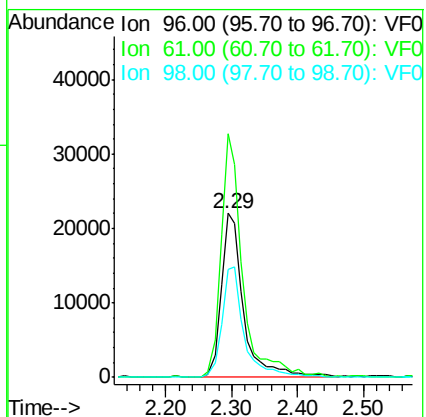
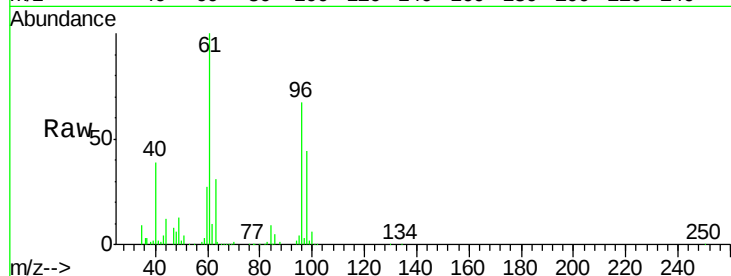
Tot Ion: 96 Resp: 52238

Ion Ratio Lower Upper

96 100

61 148.8 104.5 156.7

98 66.1 51.2 76.8



#22

Diisopropyl ether

Concen: 22.706 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion: 45 Resp: 144803

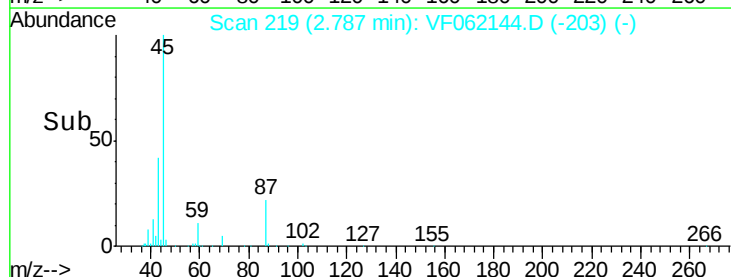
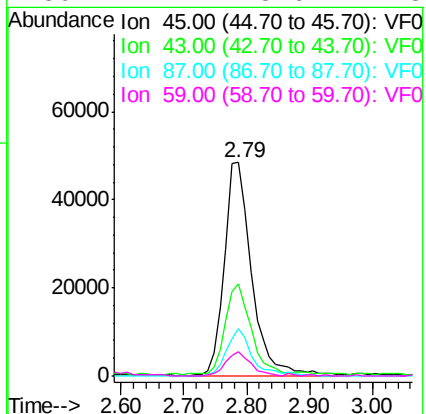
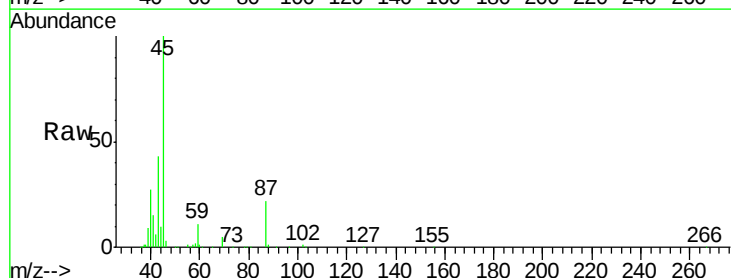
Ion Ratio Lower Upper

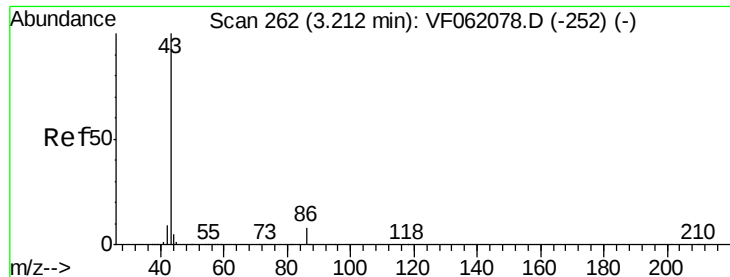
45 100

43 43.3 32.5 48.7

87 22.0 17.4 26.2

59 11.1 8.6 12.8





#23

Vinyl Acetate

Concen: 119.398 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

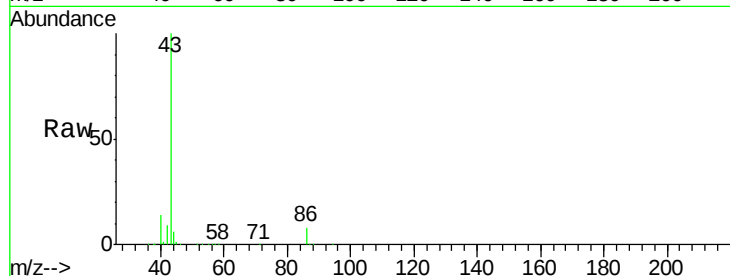
ClientSampleId :

Tot Ion: 43 Resp: 311754

Ion Ratio Lower Upper

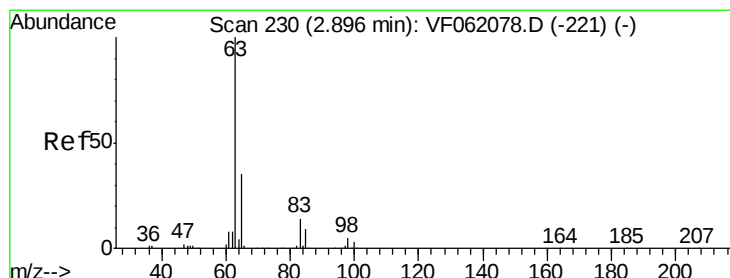
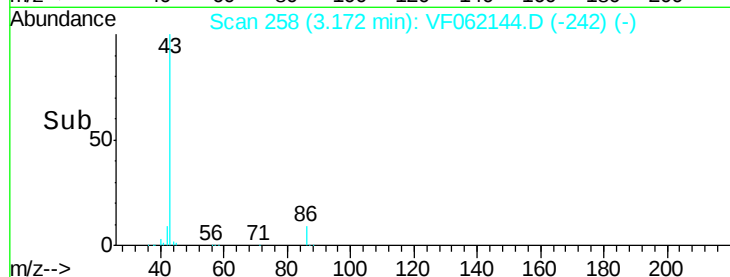
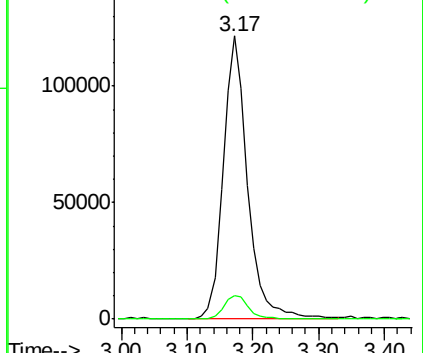
43 100

86 8.5 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.054 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

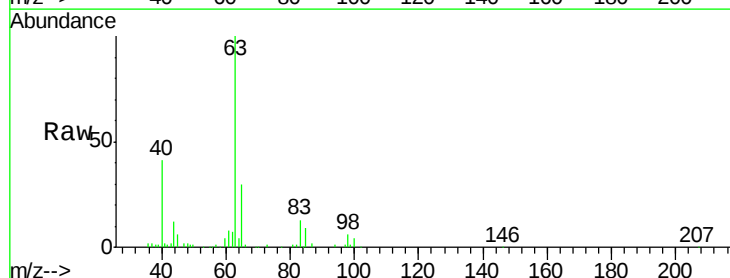
Tgt Ion: 63 Resp: 91991

Ion Ratio Lower Upper

63 100

98 5.7 2.7 8.1

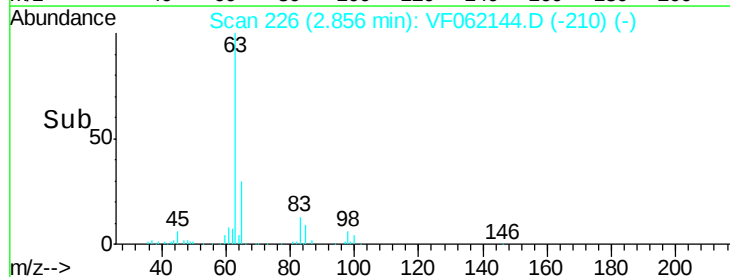
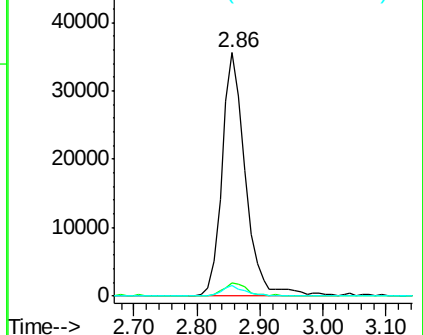
100 4.2 1.7 5.1

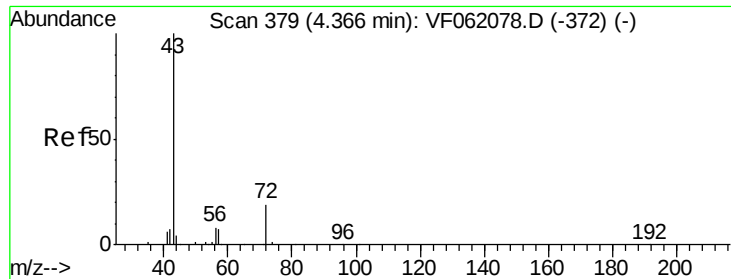


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 103.702 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

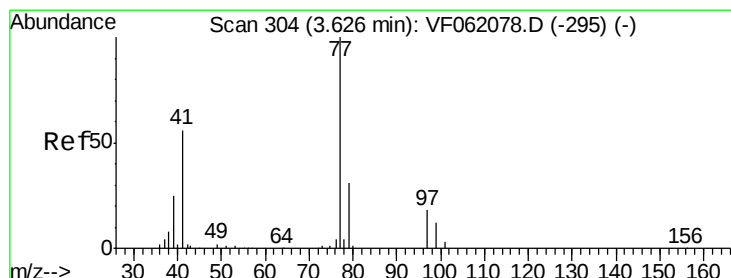
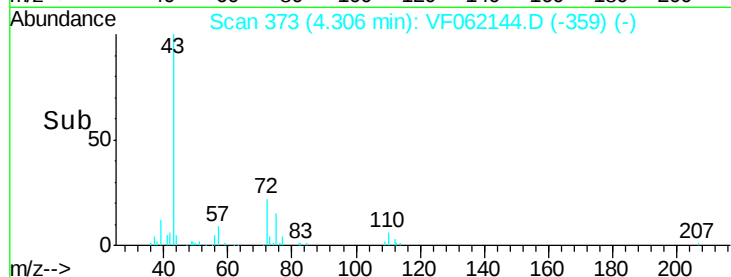
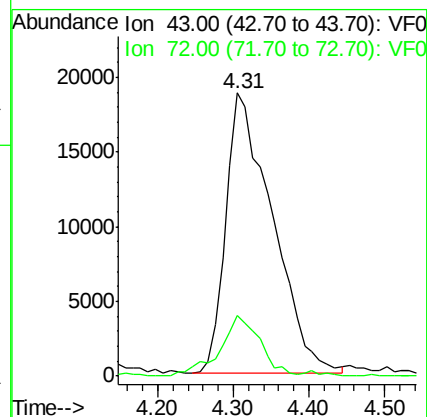
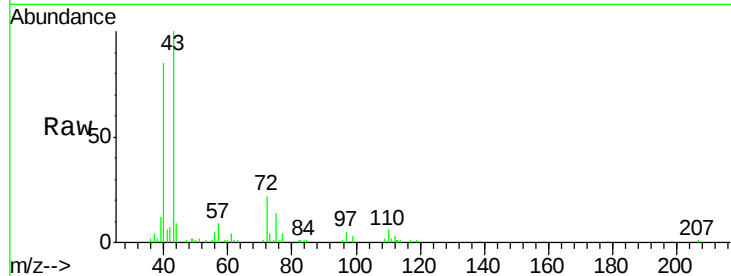
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 80101

Ion Ratio Lower Upper

43 100

72 21.5 16.7 25.1



#26

2,2-Dichloropropane

Concen: 24.834 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.05 min

Lab File: VF062144.D

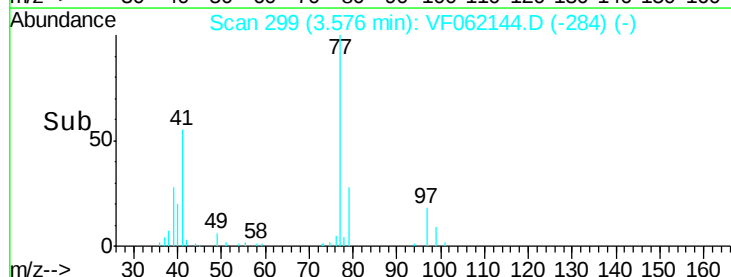
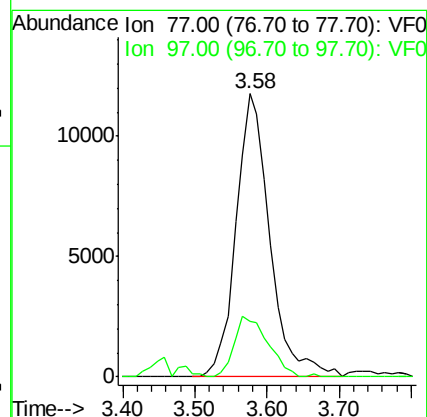
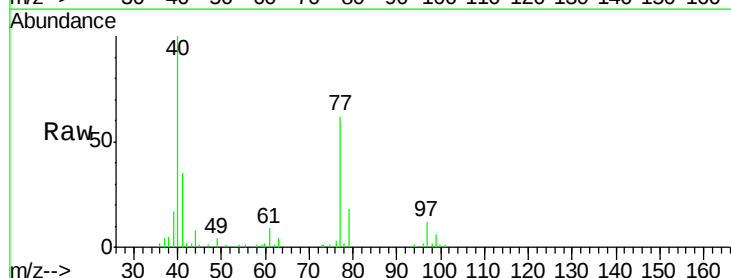
Acq: 26 Mar 2019 14:22

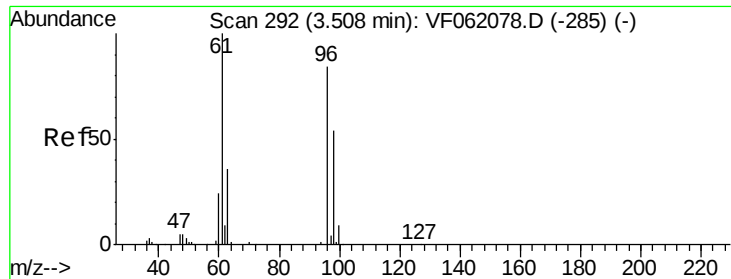
Tgt Ion: 77 Resp: 38507

Ion Ratio Lower Upper

77 100

97 19.8 10.3 30.9



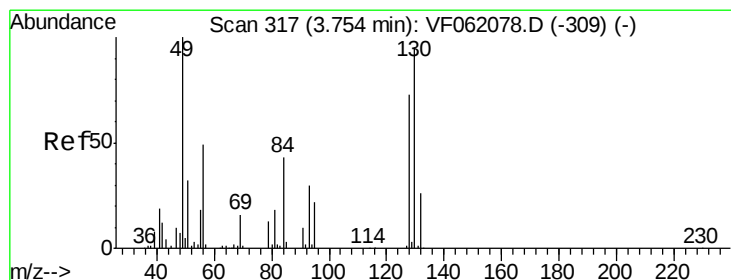
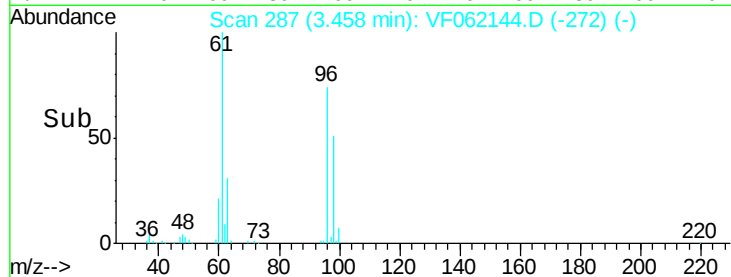
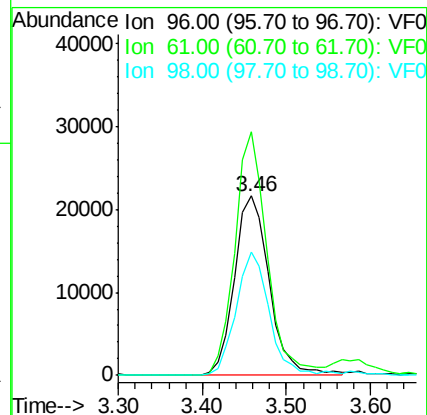
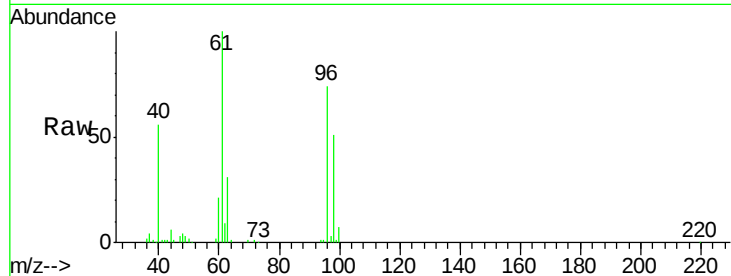


#27

cis-1,2-Dichloroethene
Concen: 21.496 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

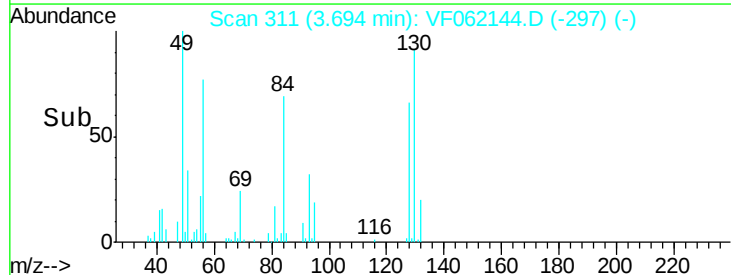
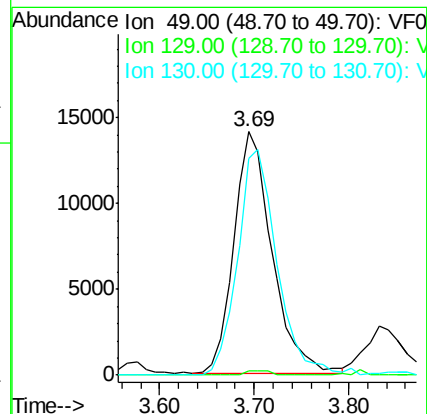
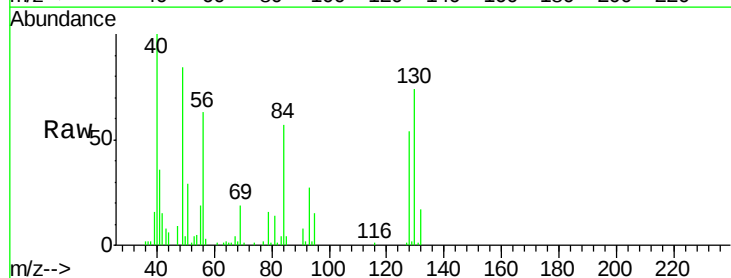
Tot Ion: 96 Resp: 62440
Ion Ratio Lower Upper
96 100
61 135.6 0.0 239.0
98 68.7 0.0 128.2

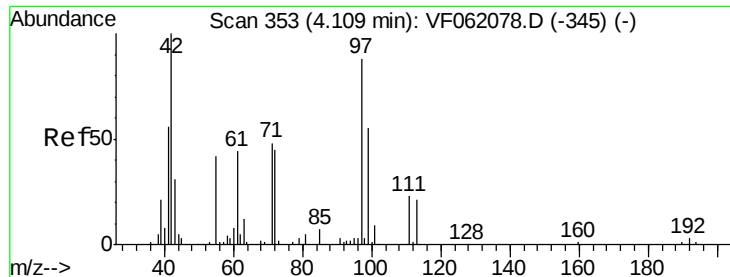


#28

Bromochloromethane
Concen: 25.207 ug/l
RT: 3.69 min Scan# 311
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 49 Resp: 39386
Ion Ratio Lower Upper
49 100
129 1.9 0.0 5.6
130 88.8 75.5 113.3

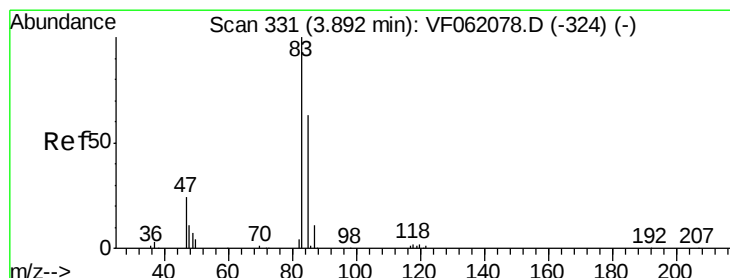
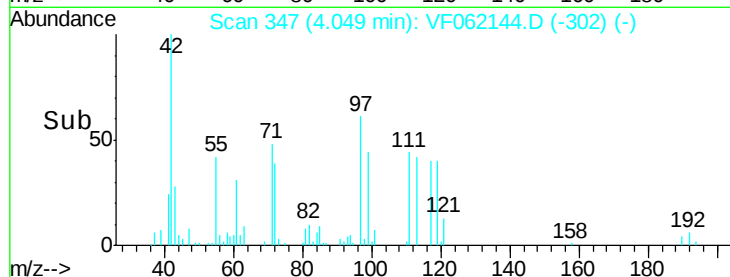
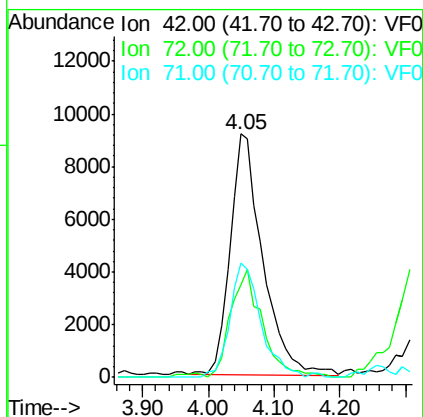
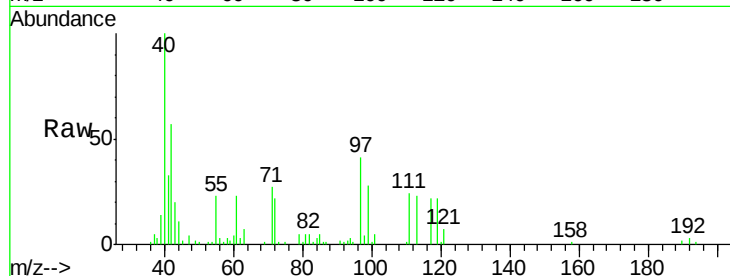




#29
Tetrahydrofuran
Concen: 94.549 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

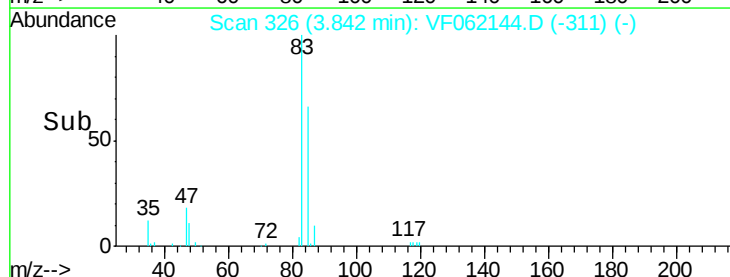
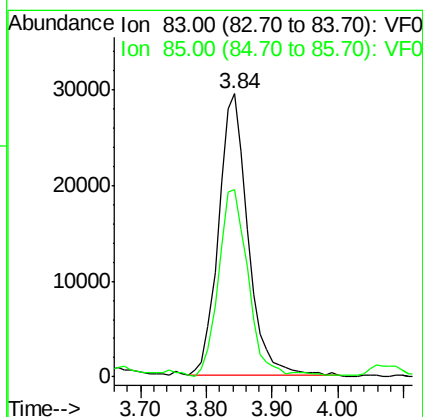
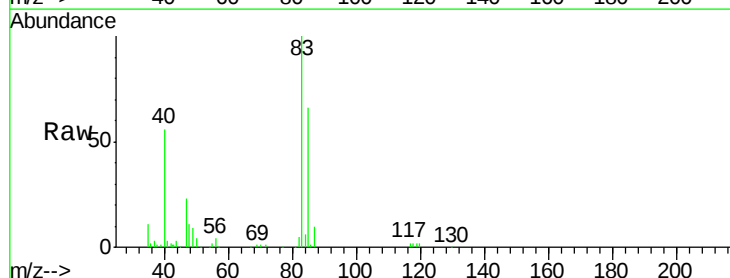
Instrument :
MSVOA_F
ClientSampleId :

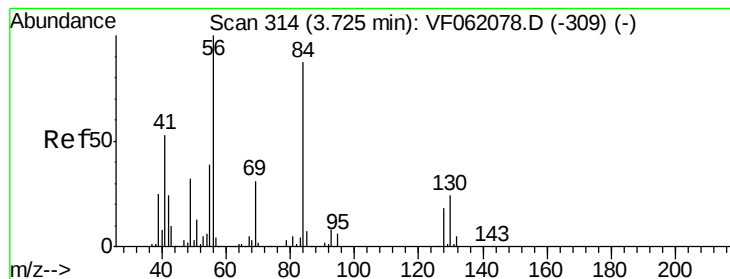
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	33.3	49.9
71	45.2	35.0	52.4



#30
Chloroform
Concen: 22.470 ug/l
RT: 3.84 min Scan# 326
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.5	77.3





#31

Cvclohexane

Concen: 13.387 ug/l

RT: 3.67 min Scan# 309

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

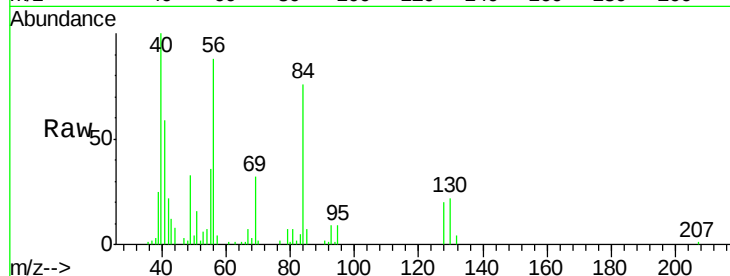
Tot Ion: 56 Resp: 53469

Ion Ratio Lower Upper

56 100

69 36.9 25.9 38.9

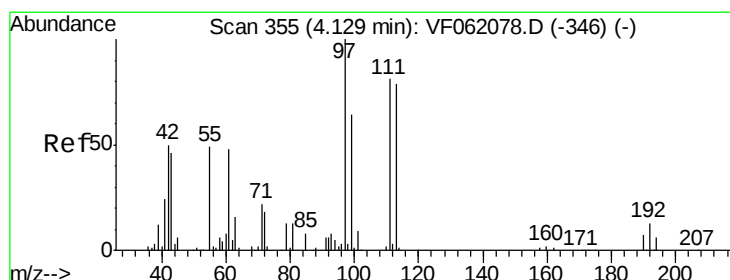
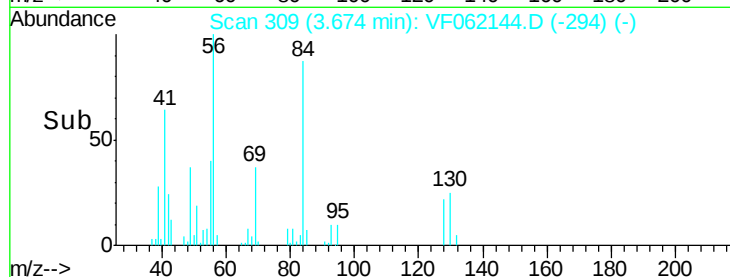
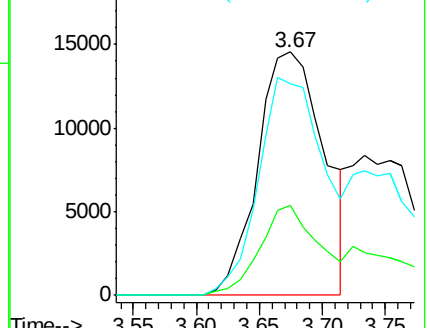
84 86.8 71.1 106.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 24.549 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

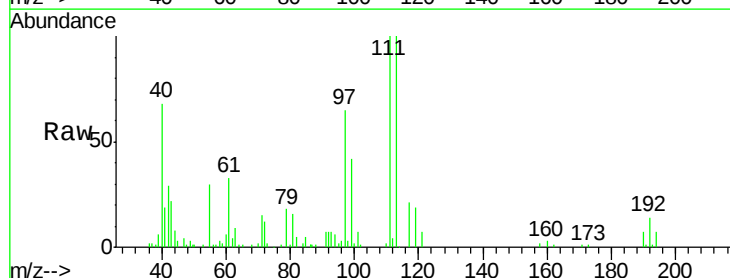
Tgt Ion: 97 Resp: 60356

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

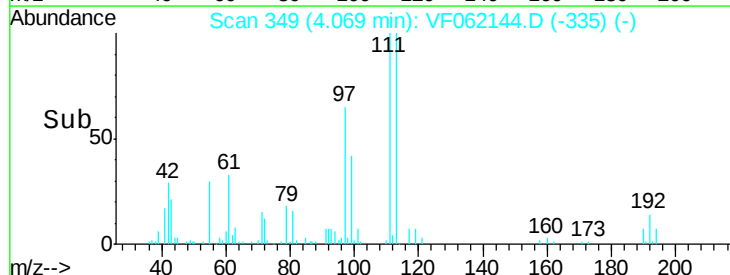
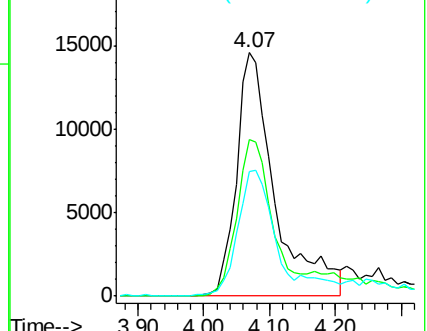
61 51.3 39.0 58.6

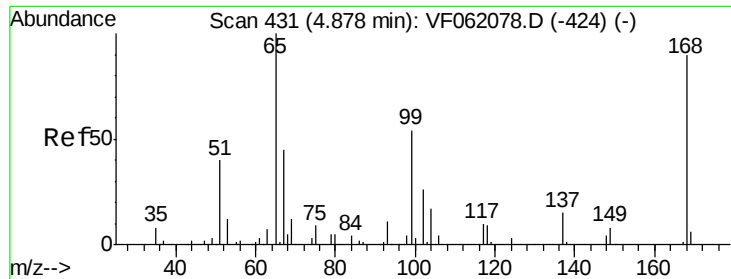


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 58.268 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

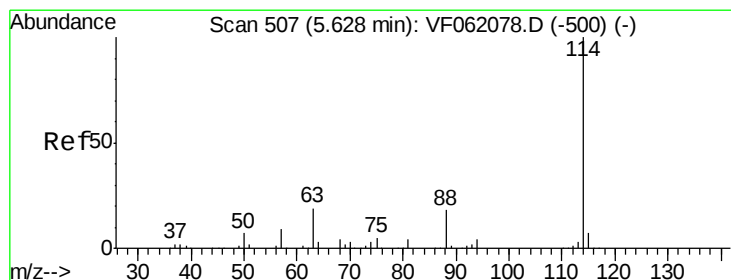
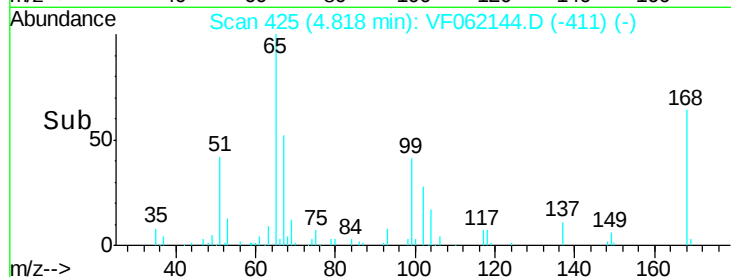
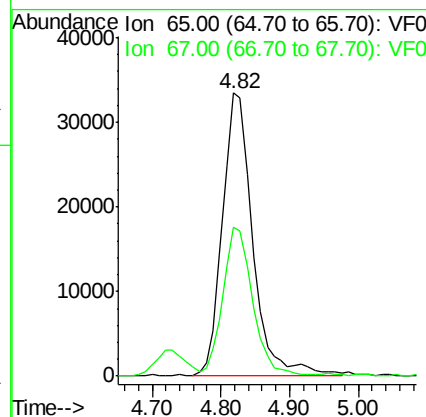
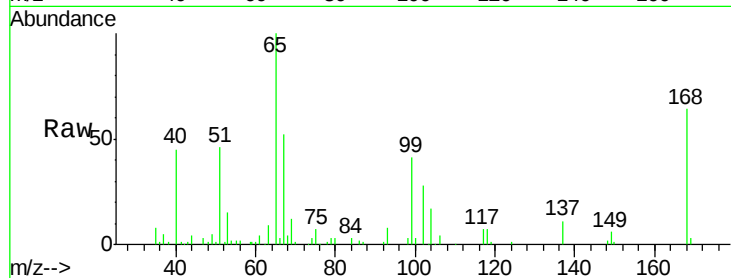
ClientSampleId :

Tot Ion: 65 Resp: 102435

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

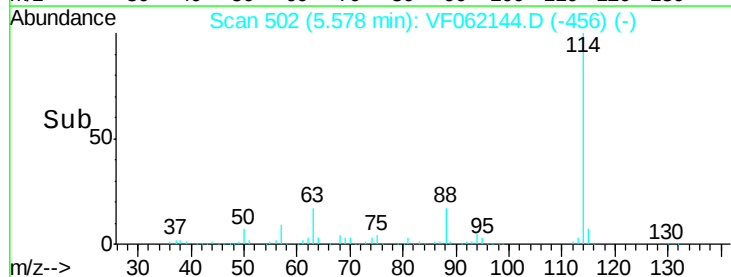
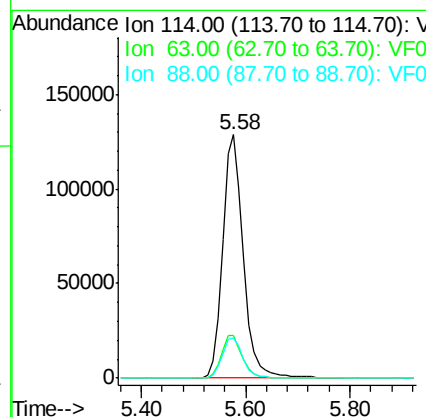
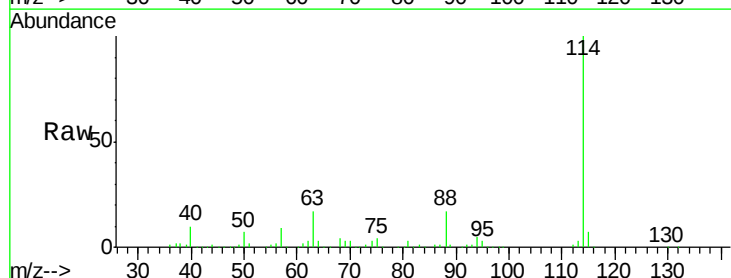
Tgt Ion: 114 Resp: 351138

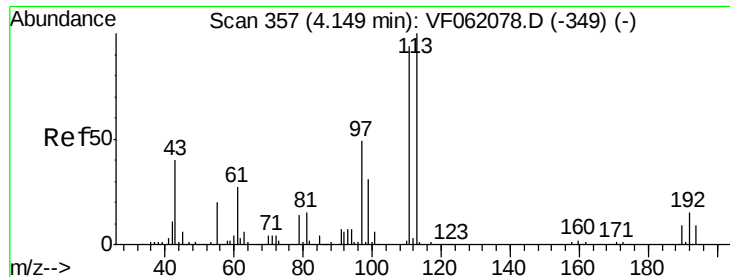
Ion Ratio Lower Upper

114 100

63 17.3 0.0 37.8

88 16.7 0.0 36.4

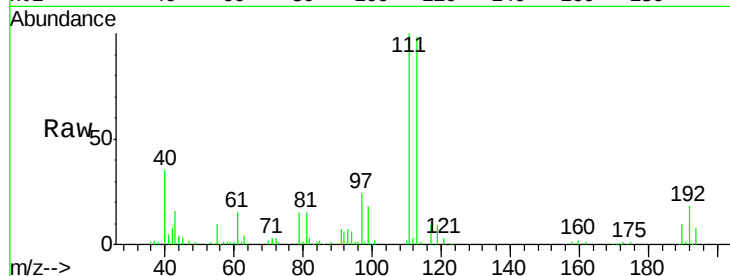




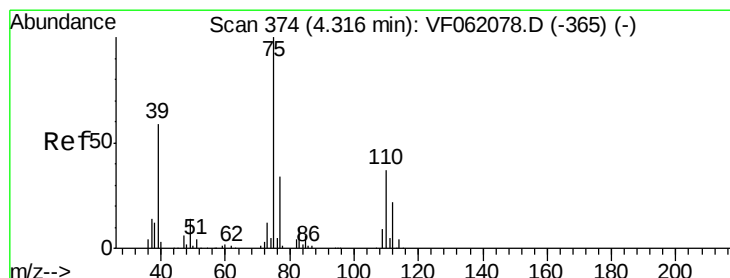
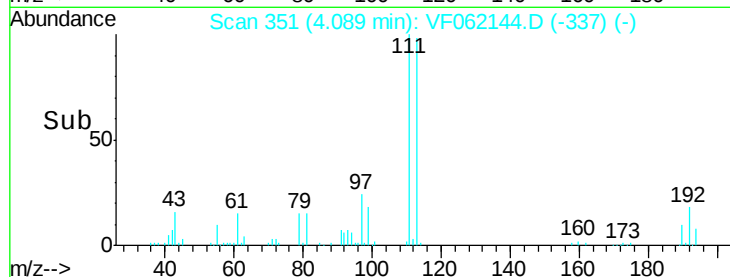
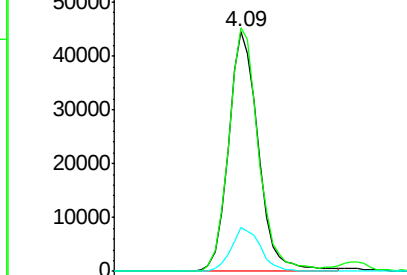
#35
 Dibromofluoromethane
 Concen: 59.395 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.06 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:113 Resp: 141082
 Ion Ratio Lower Upper
 113 100
 111 101.8 75.4 113.0
 192 18.9 12.3 18.5#

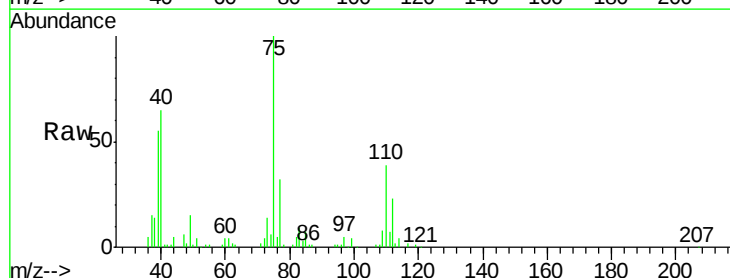


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

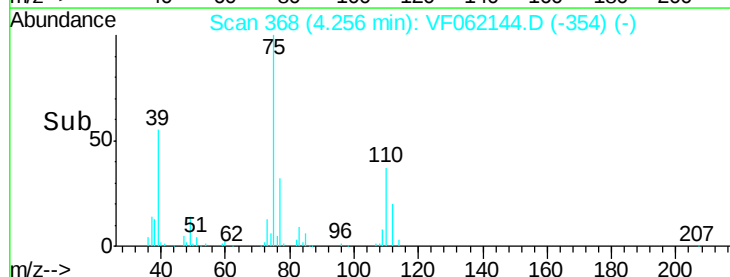
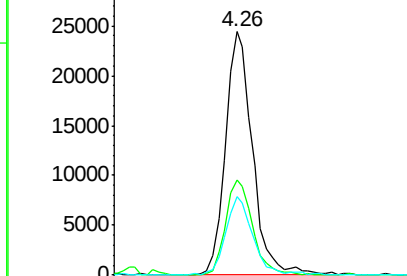


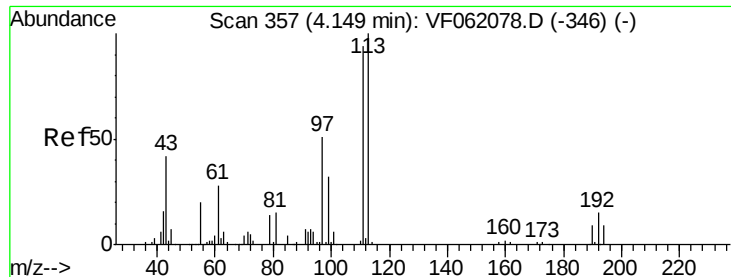
#36
 1,1-Dichloropropene
 Concen: 22.716 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.06 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 75 Resp: 75977
 Ion Ratio Lower Upper
 75 100
 110 38.9 18.5 55.5
 77 32.4 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

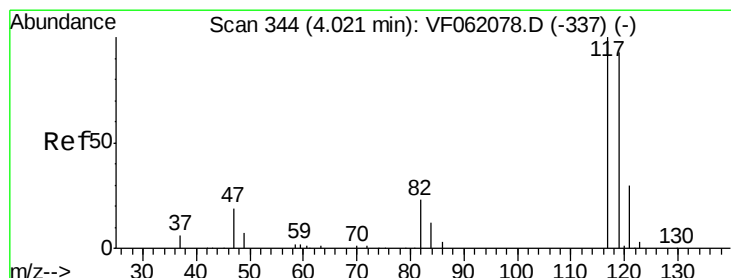
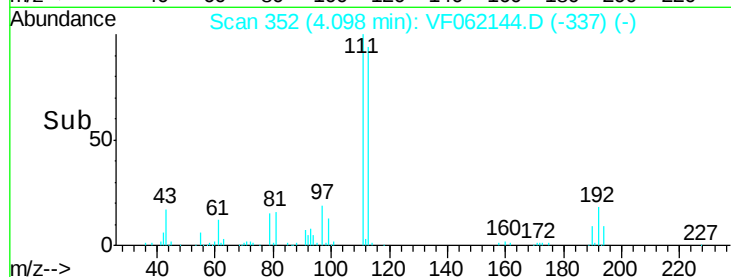
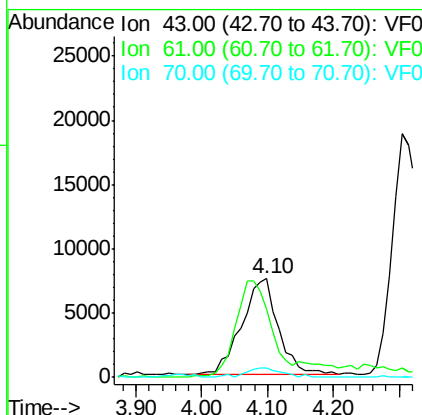
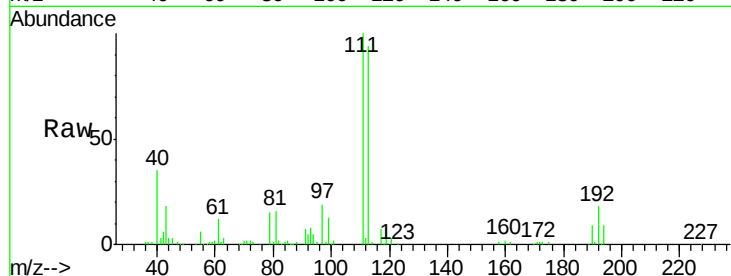




#37
Ethyl Acetate
Concen: 19.932 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

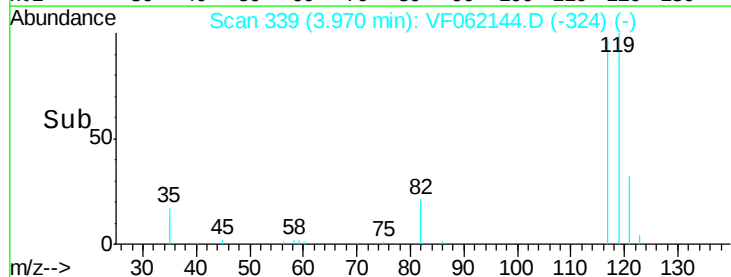
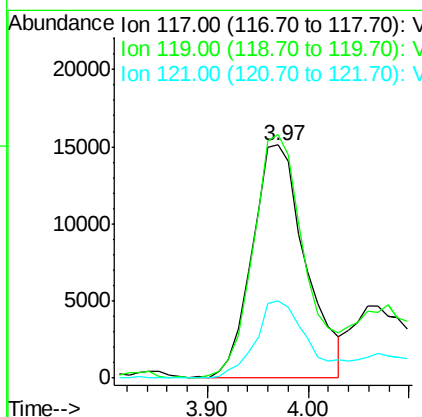
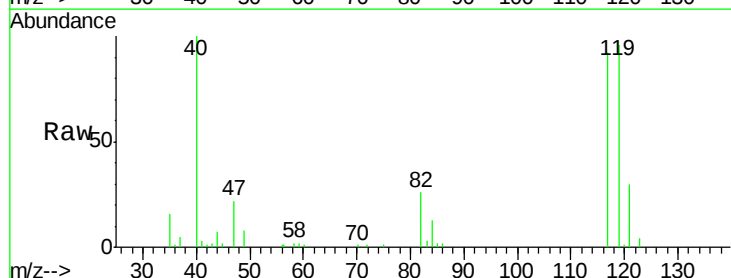
Instrument :
MSVOA_F
ClientSampled :

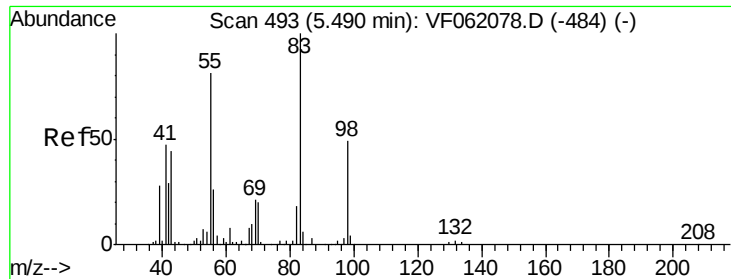
Tot Ion: 43 Resp: 29134
Ion Ratio Lower Upper
43 100
61 68.9 53.6 80.4
70 9.2 9.0 13.6



#38
Carbon Tetrachloride
Concen: 24.398 ug/l
RT: 3.97 min Scan# 339
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 117 Resp: 55616
Ion Ratio Lower Upper
117 100
119 104.5 74.7 112.1
121 33.1 23.6 35.4

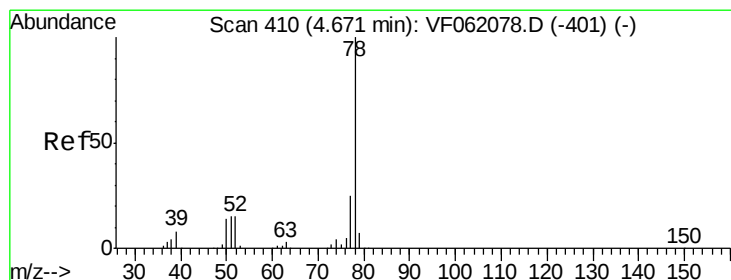
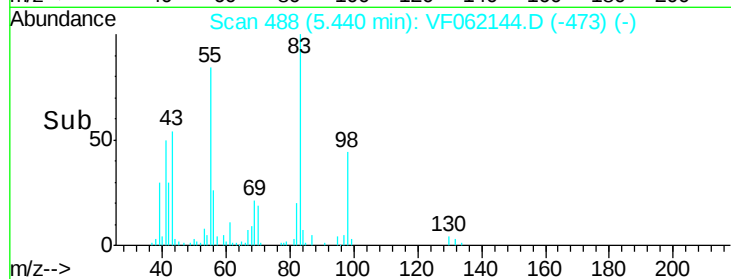
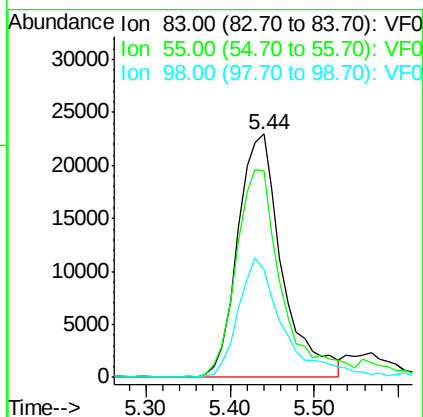
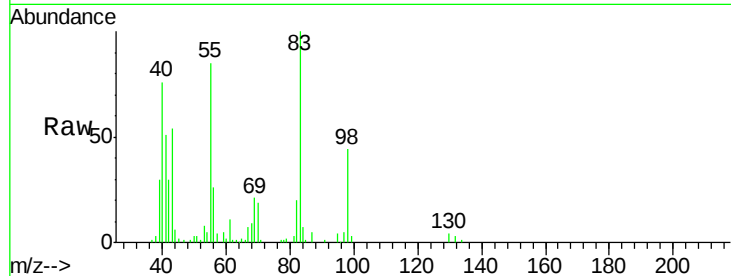




#39
Methvlcvclohexane
Concen: 21.730 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

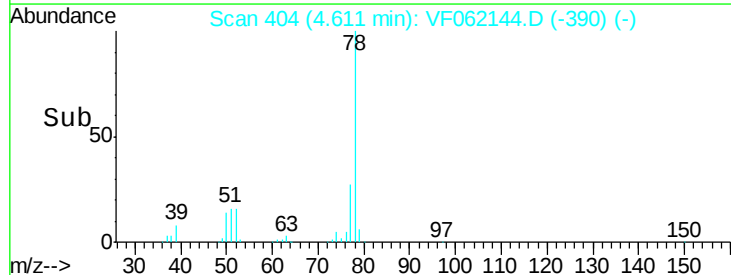
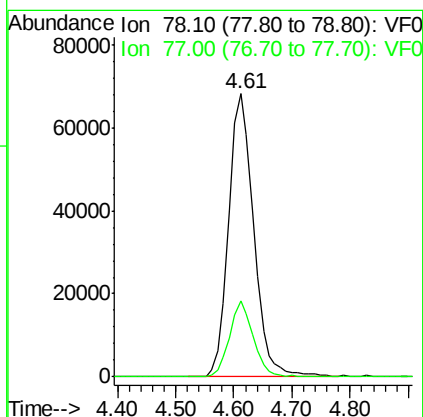
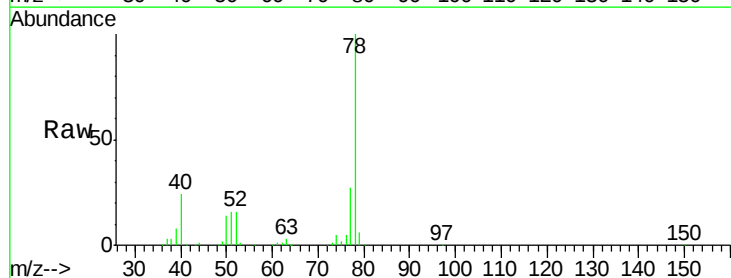
Instrument :
MSVOA_F
ClientSampleId :

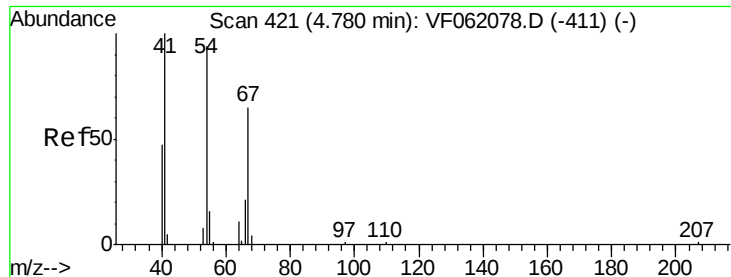
Tot Ion: 83 Resp: 84350
Ion Ratio Lower Upper
83 100
55 85.0 64.5 96.7
98 44.4 39.1 58.7



#40
Benzene
Concen: 22.847 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 78 Resp: 204849
Ion Ratio Lower Upper
78 100
77 26.8 19.8 29.6





#41

Methacrylonitrile

Concen: 22.413 ug/l

RT: 4.73 min Scan# 416

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 17334

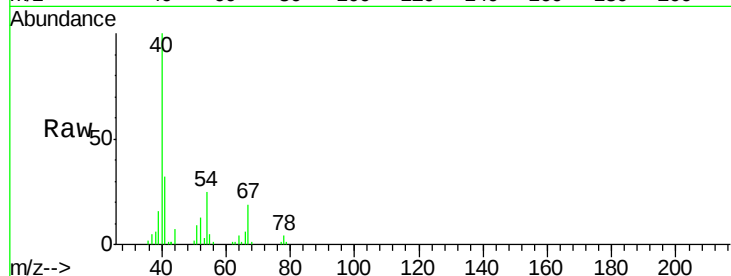
Ion Ratio Lower Upper

41 100

39 49.2 43.5 65.3

67 58.4 51.6 77.4

52 40.1 36.5 54.7

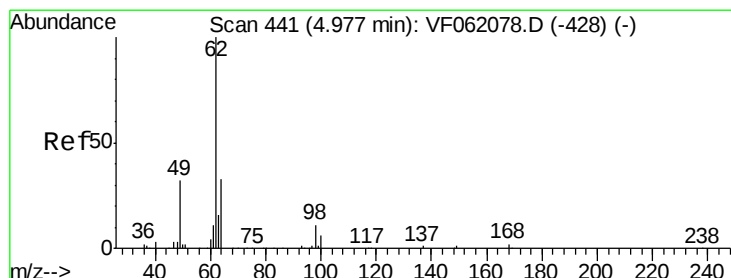
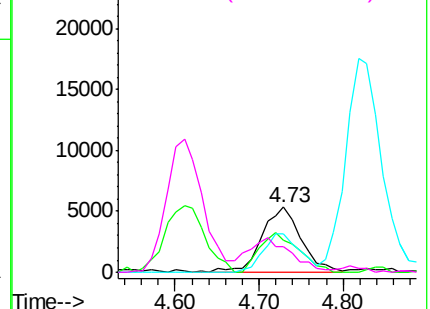
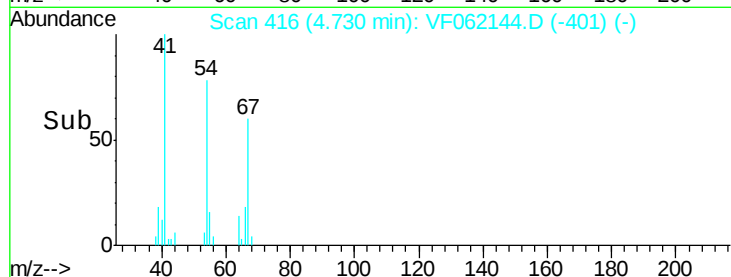


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 23.622 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.06 min

Lab File: VF062144.D

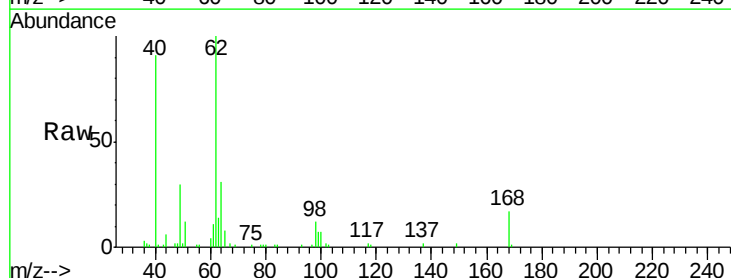
Acq: 26 Mar 2019 14:22

Tgt Ion: 62 Resp: 50086

Ion Ratio Lower Upper

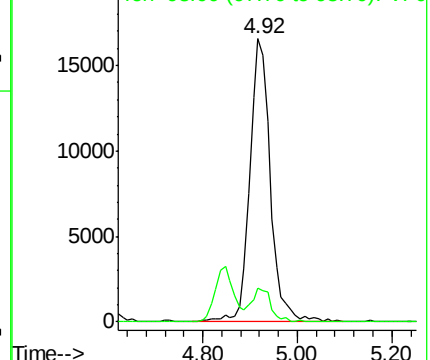
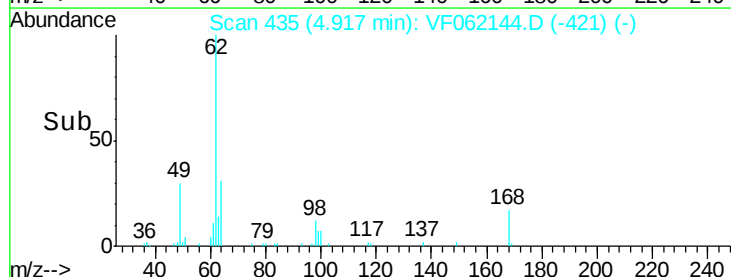
62 100

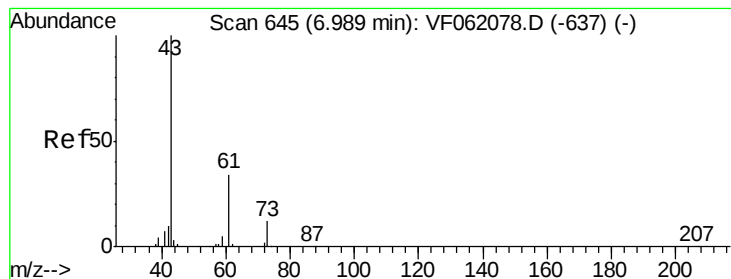
98 11.8 0.0 23.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



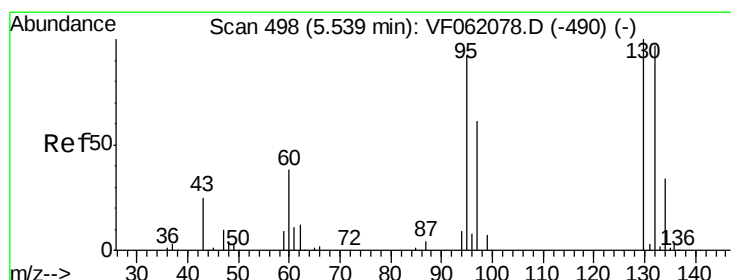
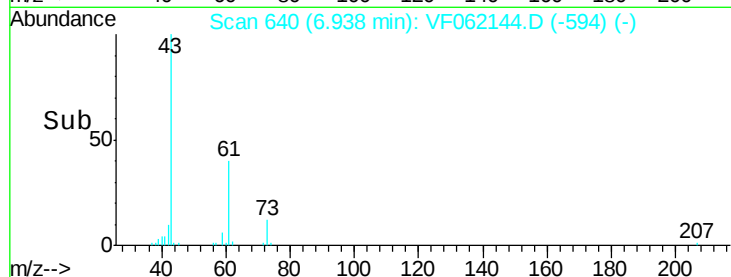
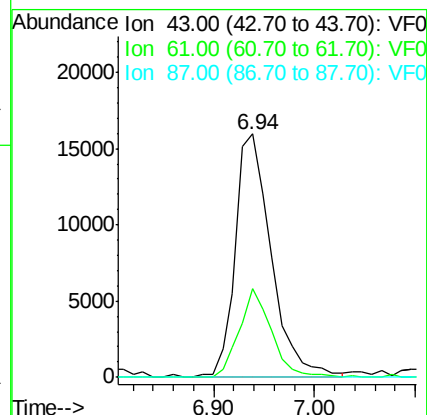
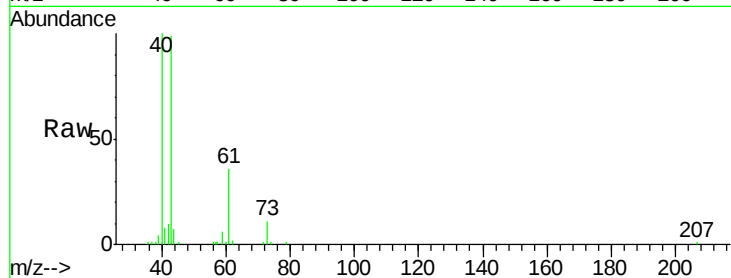


#43

Isopropyl Acetate
 Concen: 22.467 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :

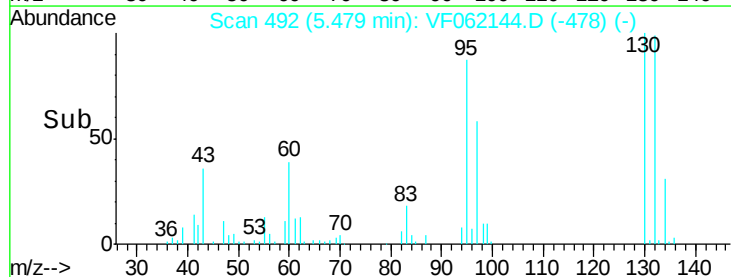
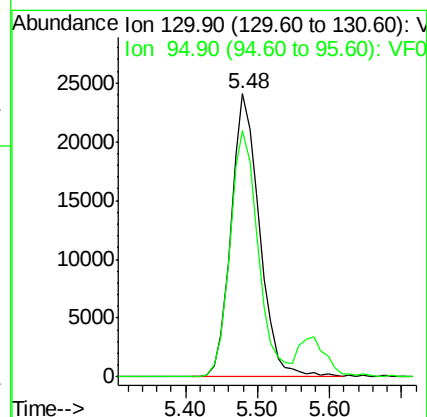
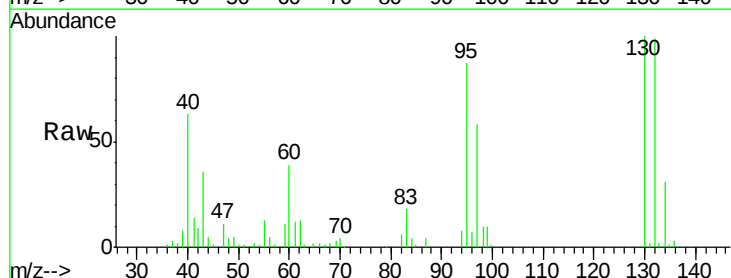
Tot Ion: 43 Resp: 39771
 Ion Ratio Lower Upper
 43 100
 61 36.3 27.0 40.4
 87 0.0 0.4 0.6#

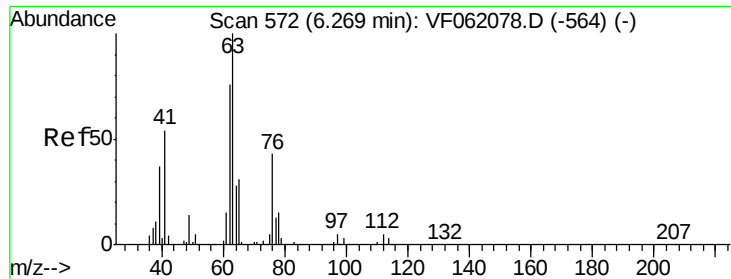


#44

Trichloroethene
 Concen: 24.007 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.06 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 130 Resp: 65809
 Ion Ratio Lower Upper
 130 100
 95 86.8 0.0 183.4





#45

1,2-Dichloropropane

Concen: 22.370 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

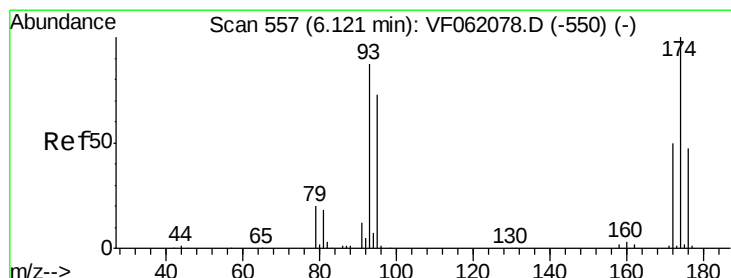
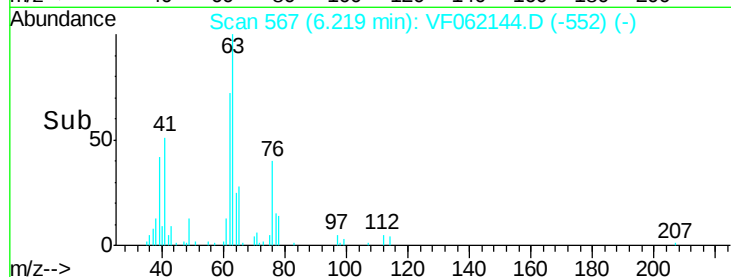
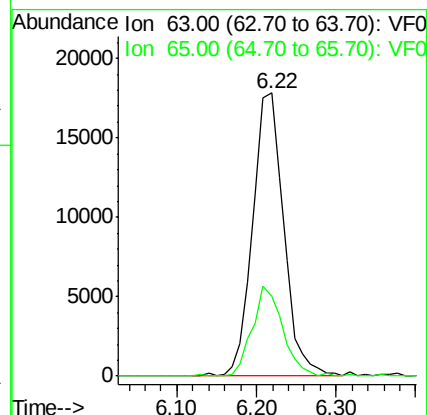
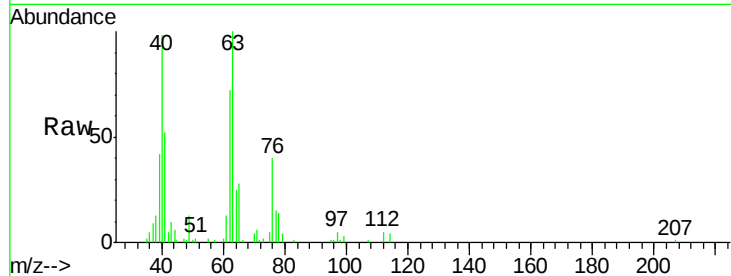
ClientSampleId :

Tot Ion: 63 Resp: 47838

Ion Ratio Lower Upper

63 100

65 28.3 24.9 37.3



#46

Dibromomethane

Concen: 21.080 ug/l

RT: 6.07 min Scan# 552

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

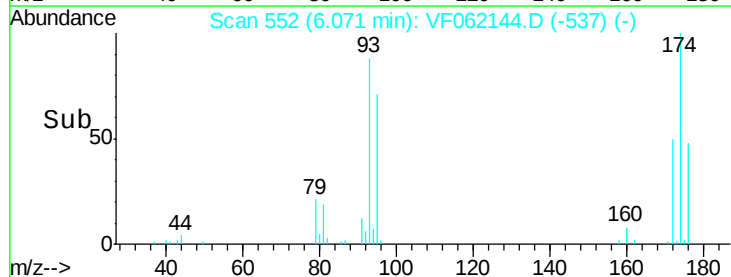
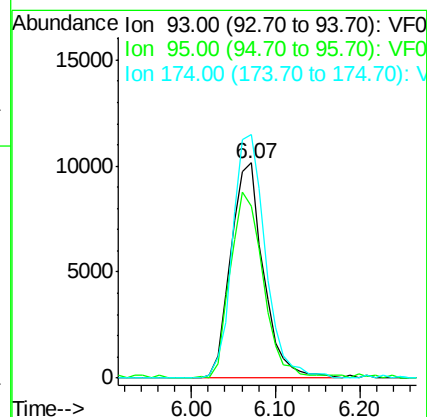
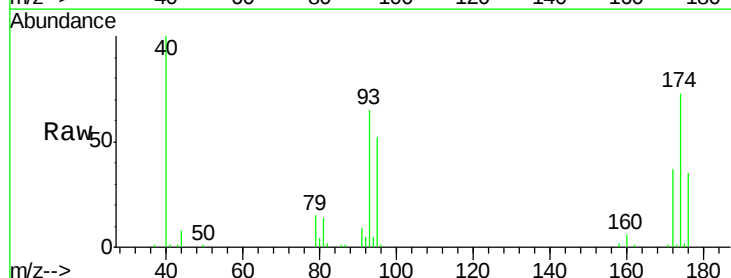
Tgt Ion: 93 Resp: 27563

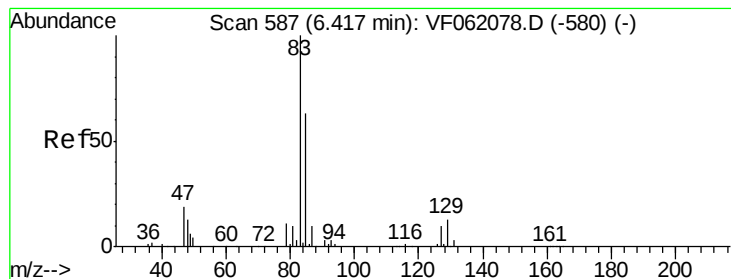
Ion Ratio Lower Upper

93 100

95 80.0 67.4 101.2

174 113.0 92.0 138.0





#47

Bromodichloromethane

Concen: 22.495 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

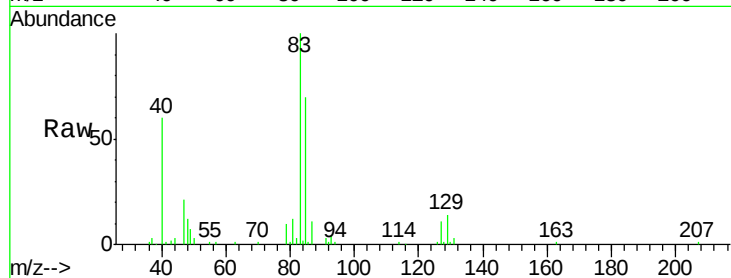
Tot Ion: 83 Resp: 65152

Ion Ratio Lower Upper

83 100

85 70.0 50.7 76.1

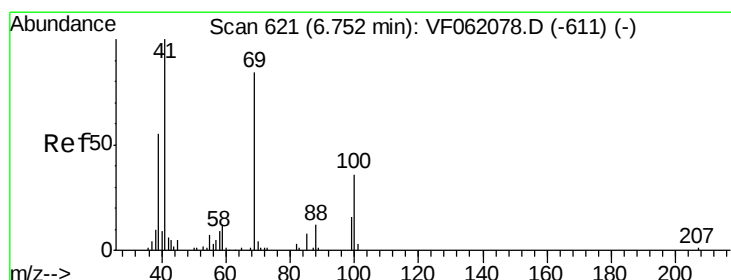
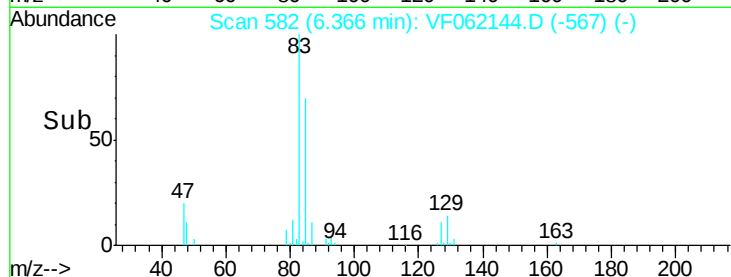
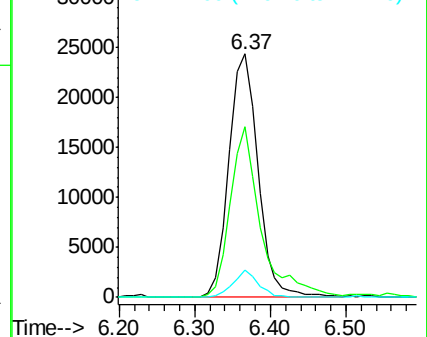
127 11.0 7.8 11.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 22.020 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

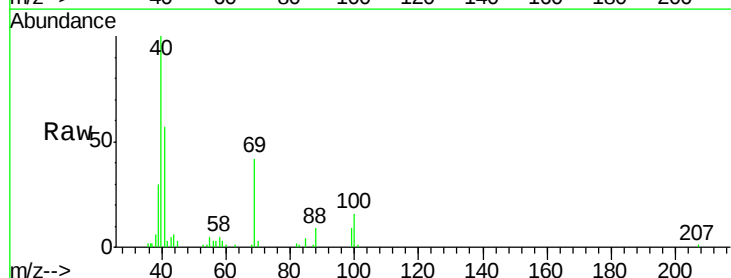
Tgt Ion: 41 Resp: 22194

Ion Ratio Lower Upper

41 100

69 73.5 66.6 100.0

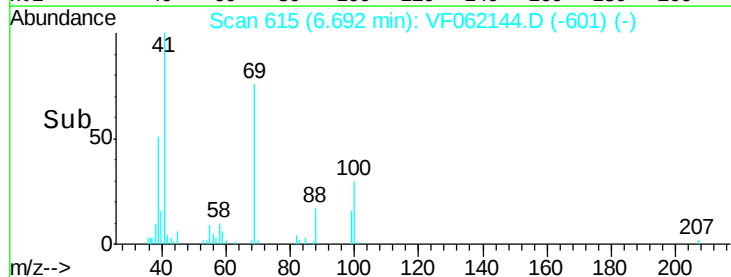
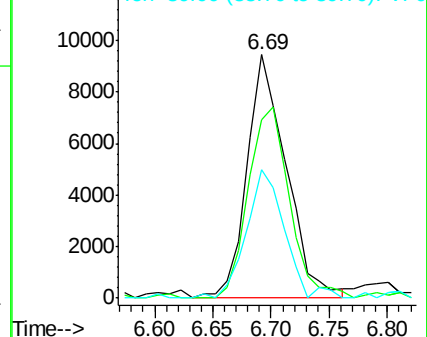
39 52.7 43.6 65.4

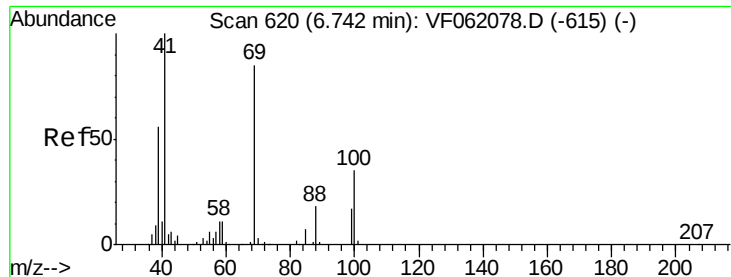


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

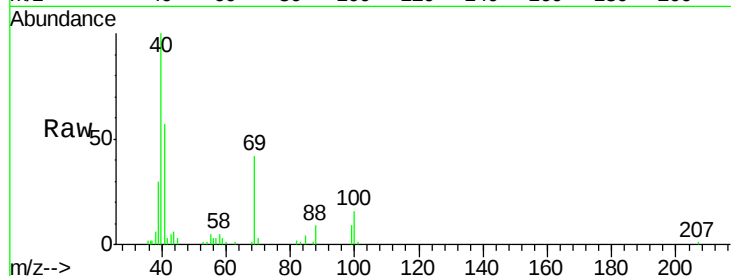




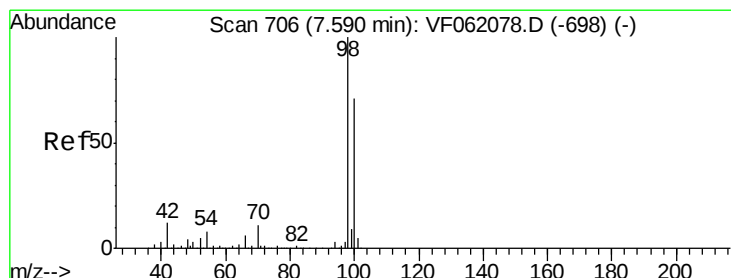
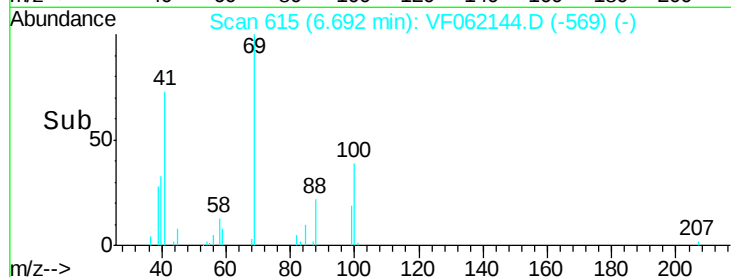
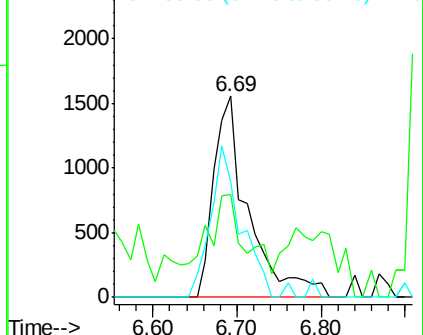
#49
1,4-Dioxane
Concen: 502.495 ug/l
RT: 6.69 min Scan# 615
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 88 Resp: 4444
Ion Ratio Lower Upper
88 100
43 51.2 35.0 52.4
58 57.6 49.9 74.9

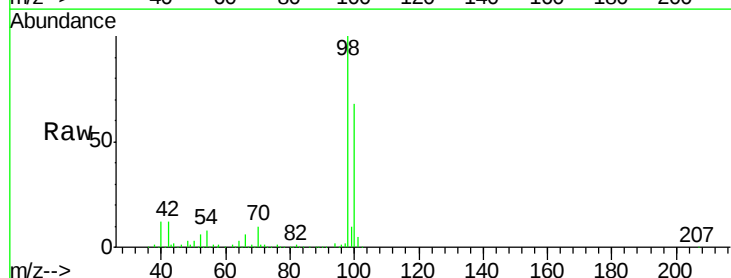


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

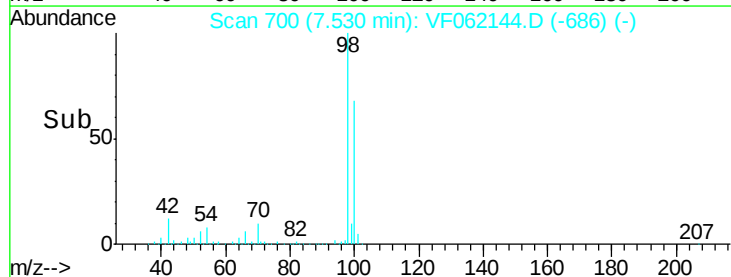
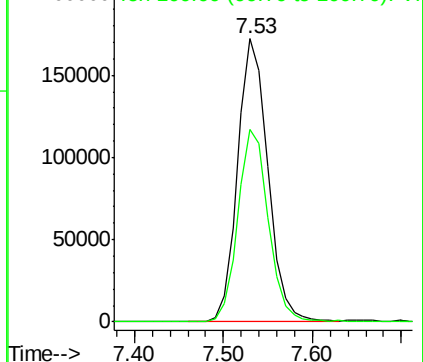


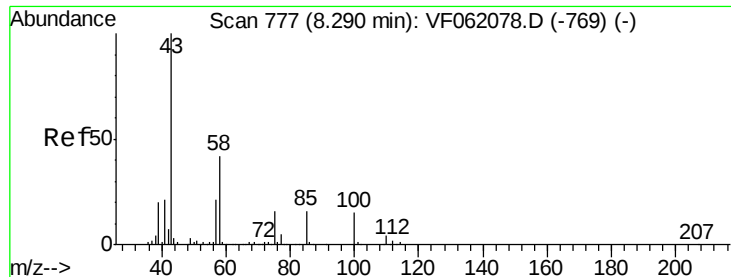
#50
Toluene-d8
Concen: 57.462 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion: 98 Resp: 407422
Ion Ratio Lower Upper
98 100
100 68.1 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 119.984 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

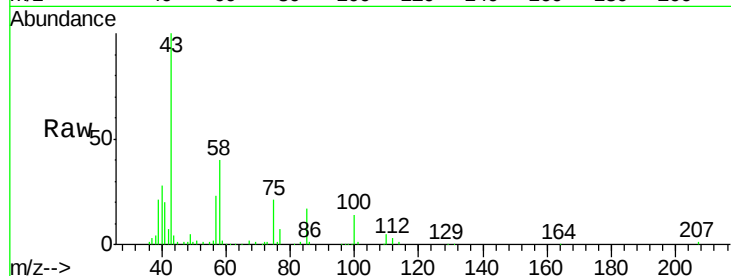
ClientSampleId :

Tot Ion: 43 Resp: 142156

Ion Ratio Lower Upper

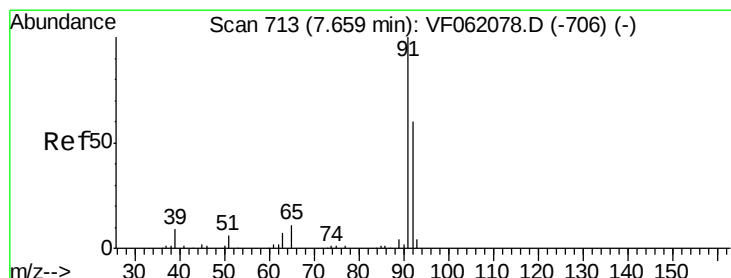
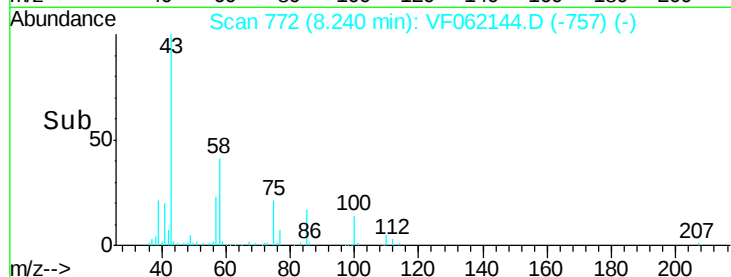
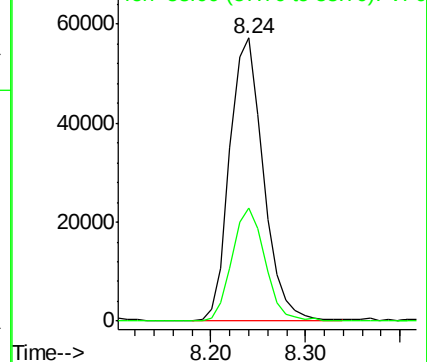
43 100

58 40.1 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.445 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF062144.D

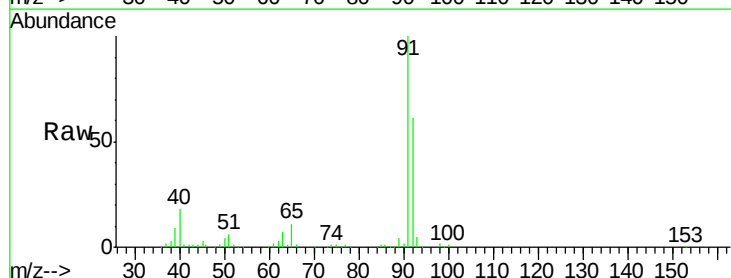
Acq: 26 Mar 2019 14:22

Tgt Ion: 92 Resp: 116565

Ion Ratio Lower Upper

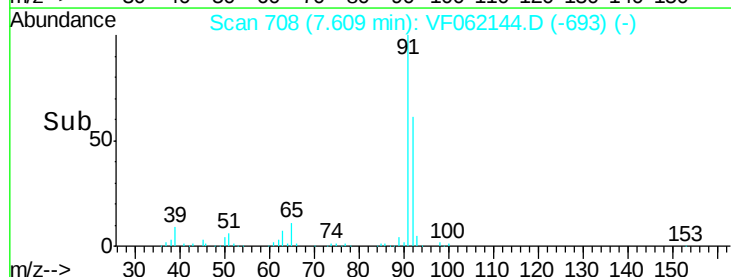
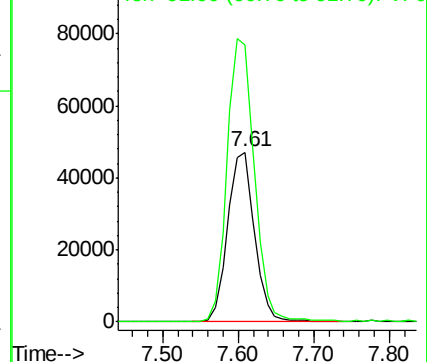
92 100

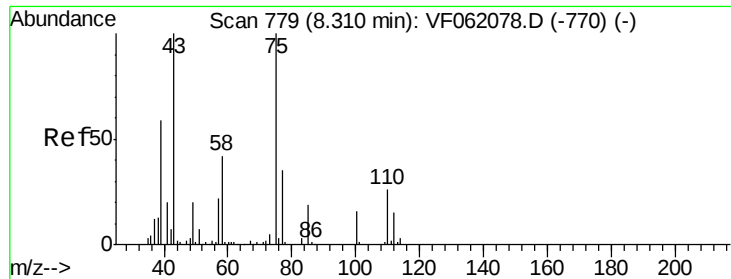
91 163.1 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

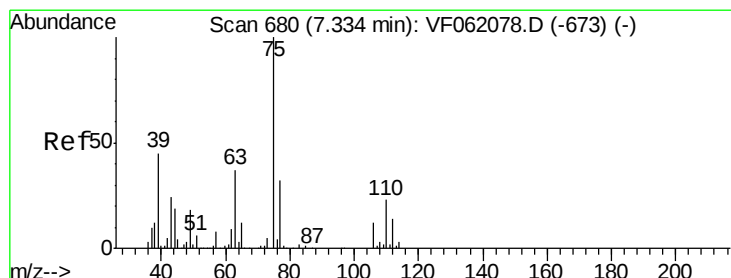
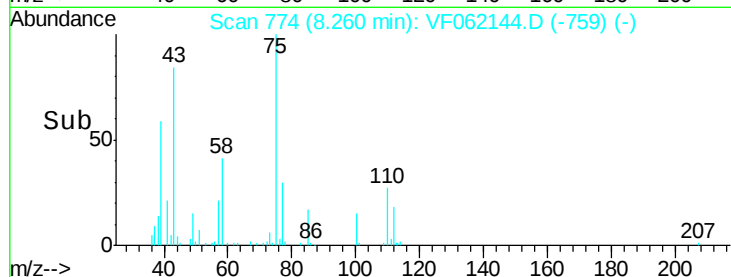
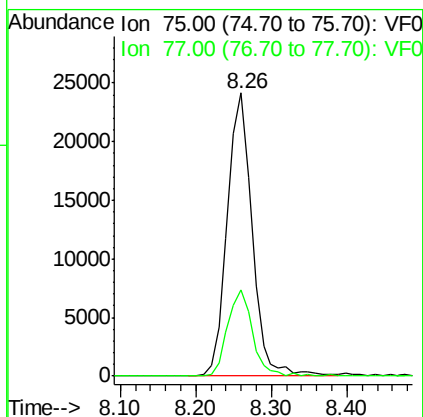
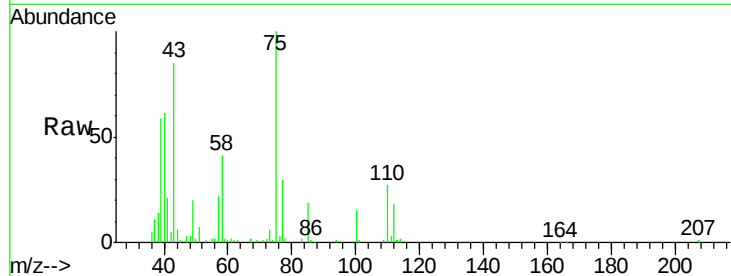




#53
 t-1,3-Dichloropropene
 Concen: 24.298 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

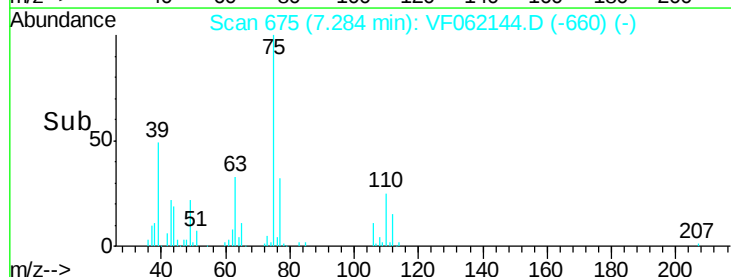
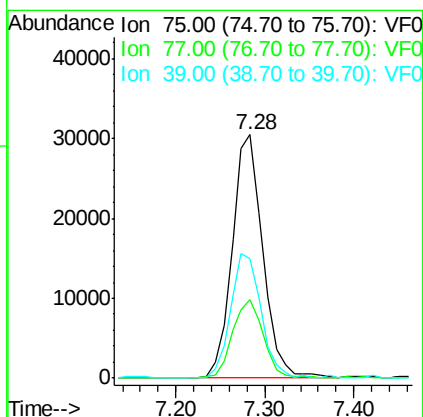
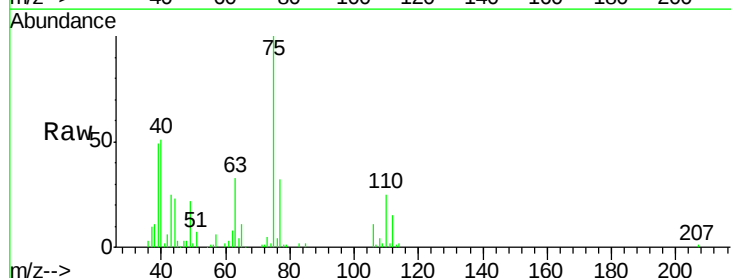
Instrument :
 MSVOA_F
 ClientSampled :

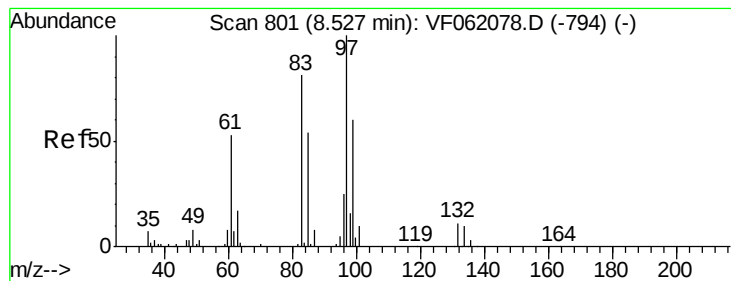
Tot Ion: 75 Resp: 55244
 Ion Ratio Lower Upper
 75 100
 77 30.4 28.0 42.0



#54
 cis-1,3-Dichloropropene
 Concen: 22.511 ug/l
 RT: 7.28 min Scan# 675
 Delta R.T. -0.05 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion: 75 Resp: 73231
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6
 39 48.8 35.9 53.9





#55

1,1,2-Trichloroethane

Concen: 22.158 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 32686

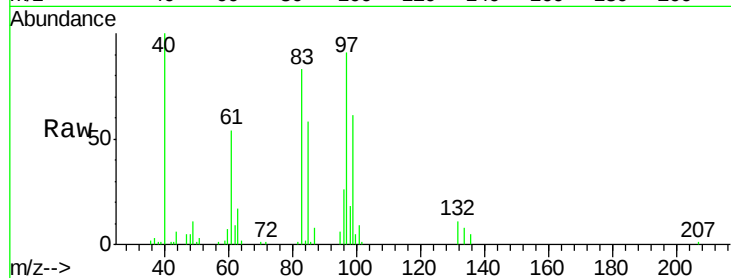
Ion	Ratio	Lower	Upper
97	100		
83	91.2	64.6	97.0
85	64.3	43.6	65.4
99	67.0	48.2	72.2

97 100

83 91.2 64.6 97.0

85 64.3 43.6 65.4

99 67.0 48.2 72.2



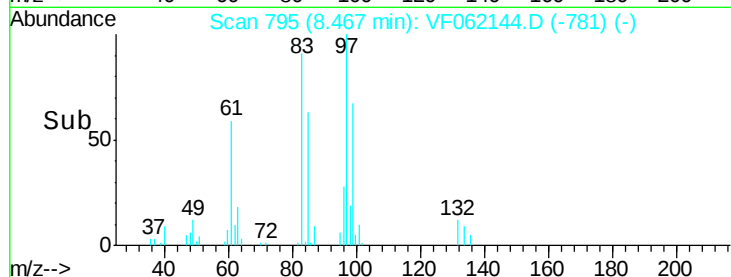
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

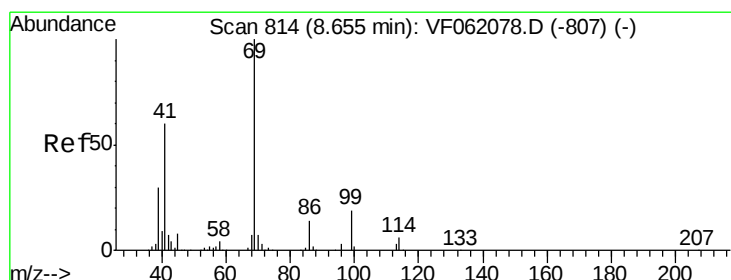
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 23.337 ug/l

RT: 8.60 min Scan# 809

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

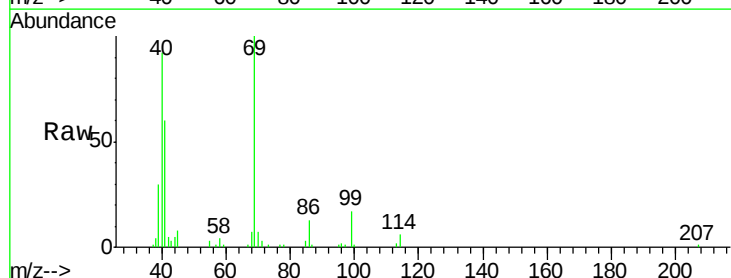
Tgt Ion: 69 Resp: 41055

Ion	Ratio	Lower	Upper
69	100		
41	60.1	48.2	72.2
39	30.1	24.0	36.0

69 100

41 60.1 48.2 72.2

39 30.1 24.0 36.0

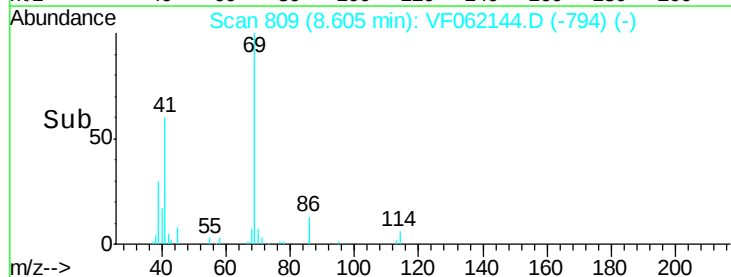


Abundance Ion 69.00 (68.70 to 69.70): VF0

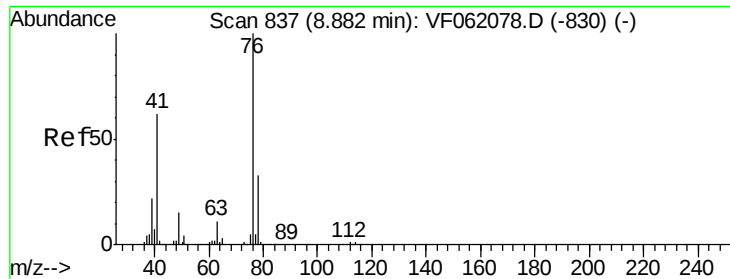
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 21.741 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

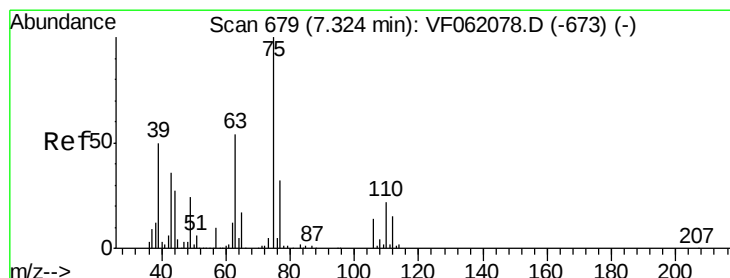
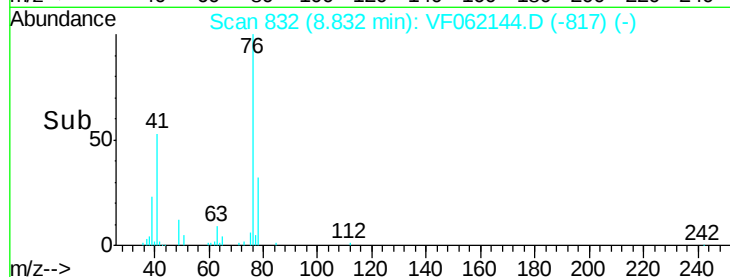
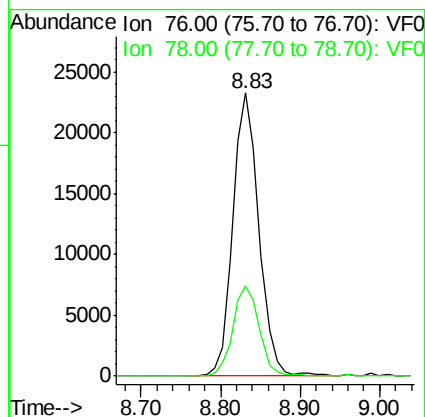
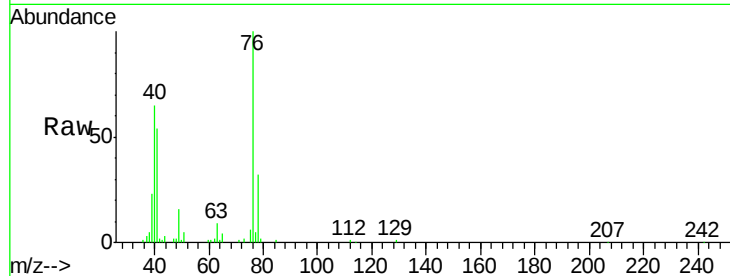
ClientSampleId :

Tot Ion: 76 Resp: 53227

Ion Ratio Lower Upper

76 100

78 31.8 26.6 39.8



#58

2-Chloroethyl Vinyl ether

Concen: 110.510 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF062144.D

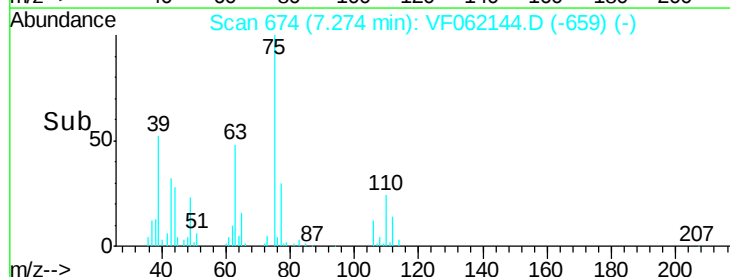
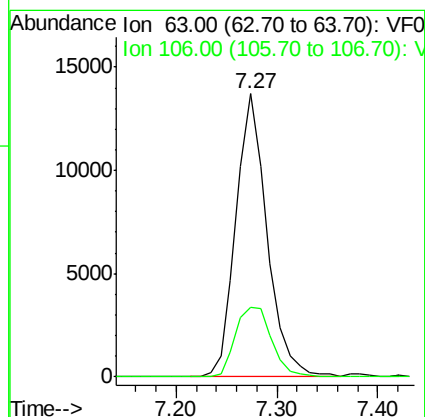
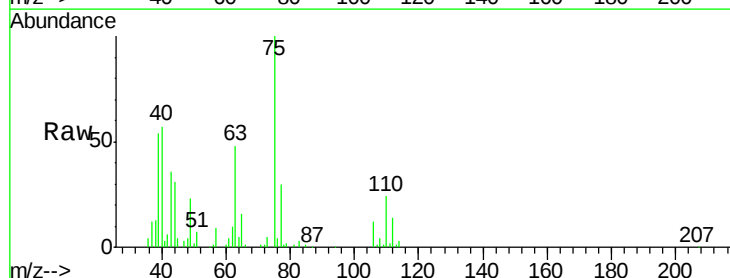
Acq: 26 Mar 2019 14:22

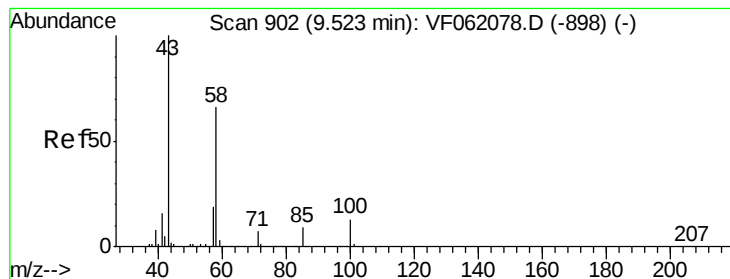
Tgt Ion: 63 Resp: 29501

Ion Ratio Lower Upper

63 100

106 24.8 21.5 32.3





#59

2-Hexanone

Concen: 117.211 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

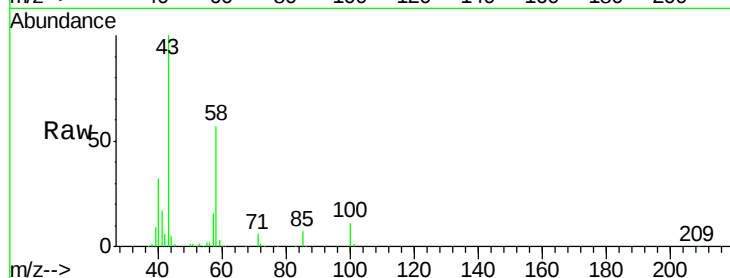
ClientSampleId :

Tot Ion: 43 Resp: 101780

Ion Ratio Lower Upper

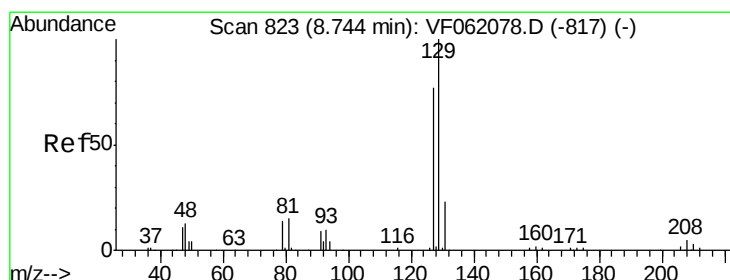
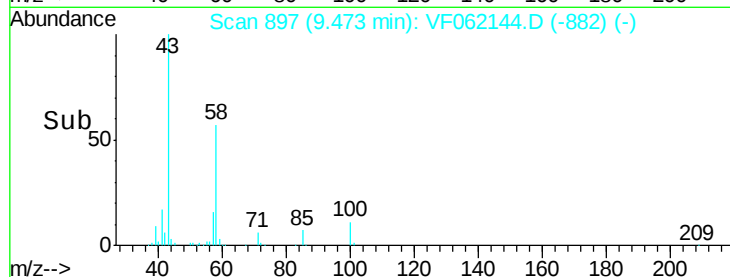
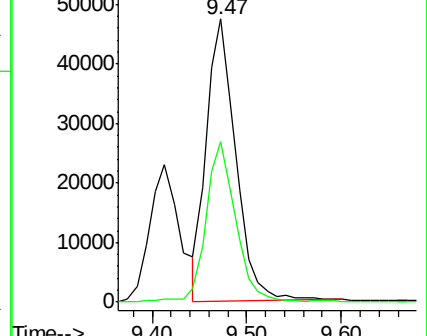
43 100

58 56.6 28.8 86.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 23.280 ug/l

RT: 8.69 min Scan# 818

Delta R.T. -0.05 min

Lab File: VF062144.D

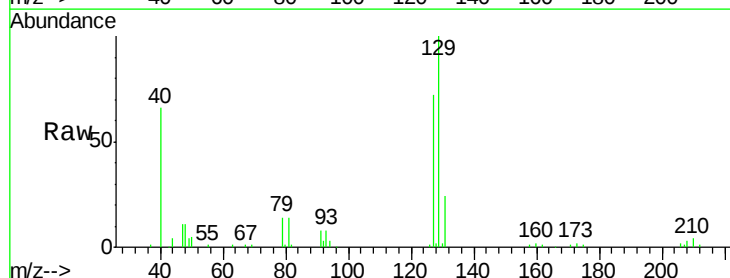
Acq: 26 Mar 2019 14:22

Tgt Ion:129 Resp: 47740

Ion Ratio Lower Upper

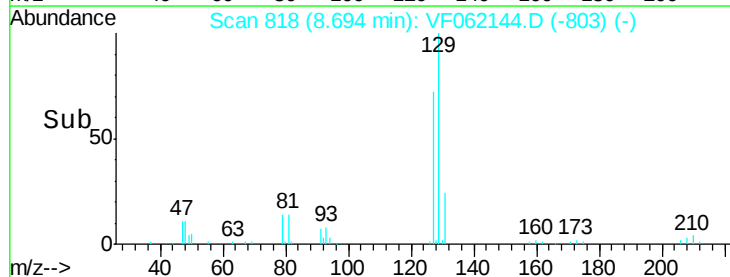
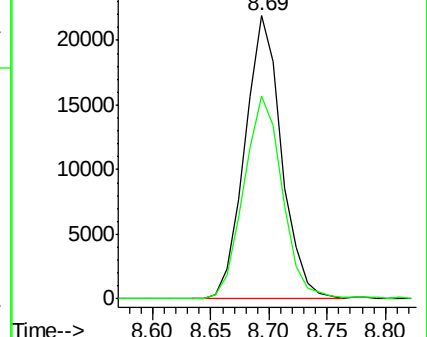
129 100

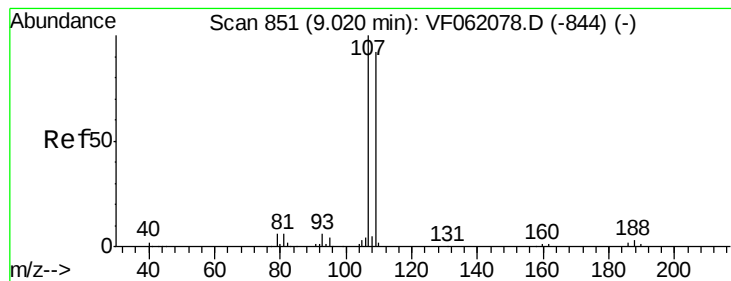
127 71.5 38.7 116.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 23.357 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

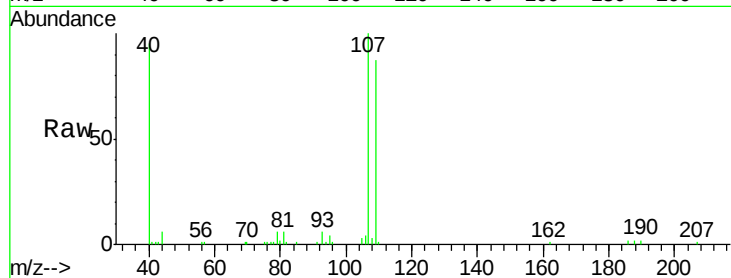
ClientSampleId :

Tot Ion:107 Resp: 36759

Ion Ratio Lower Upper

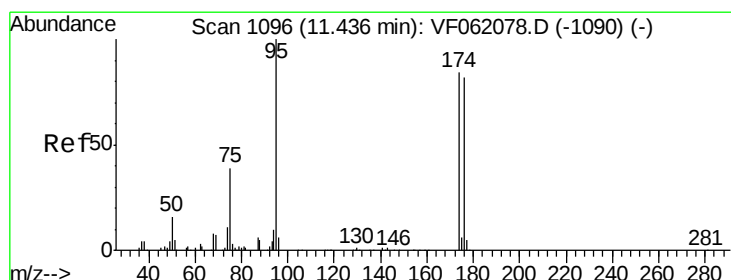
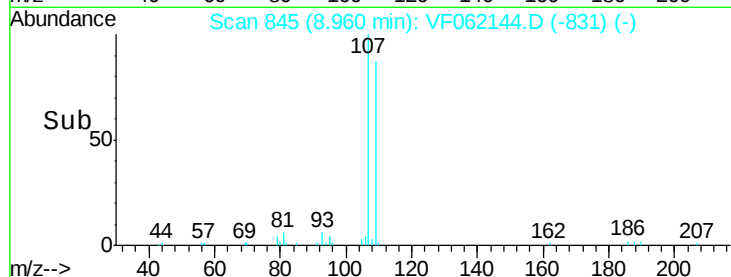
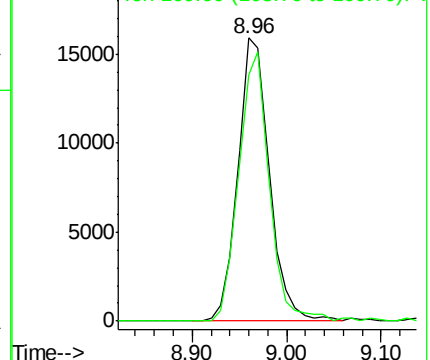
107 100

109 86.8 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 57.643 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

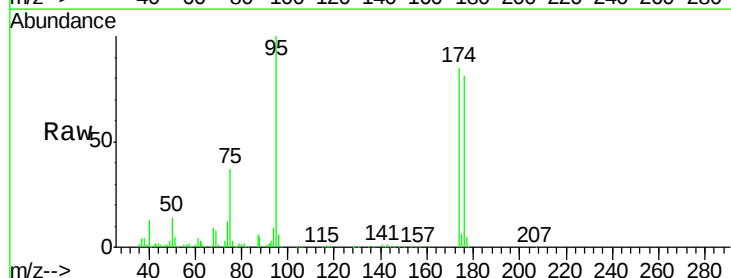
Tgt Ion: 95 Resp: 157784

Ion Ratio Lower Upper

95 100

174 85.1 0.0 168.2

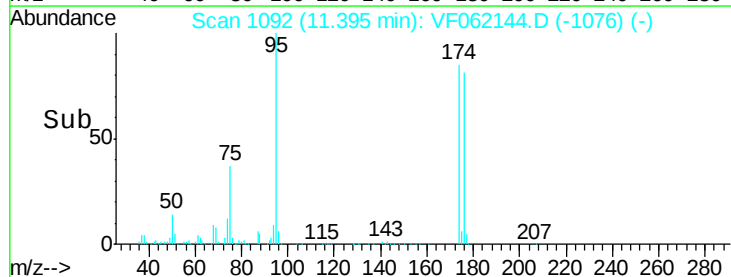
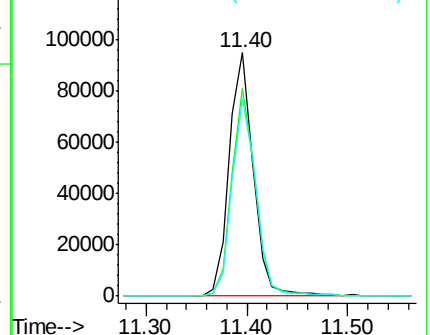
176 81.1 0.0 164.2

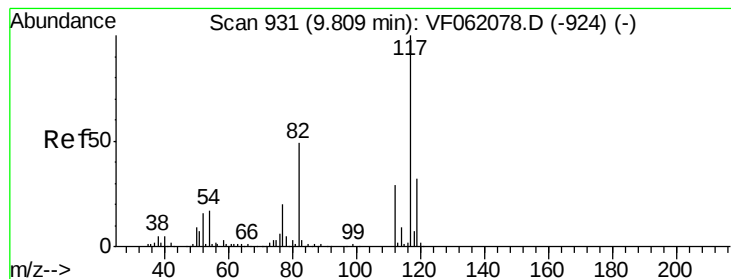


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

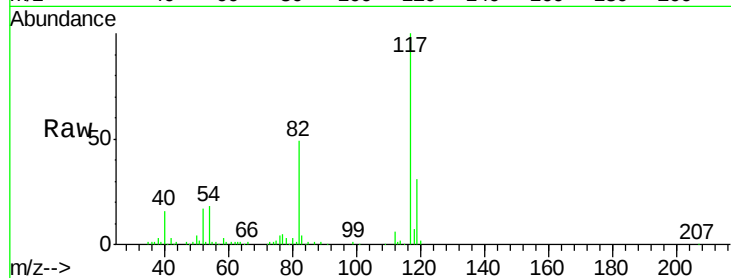
Tot Ion:117 Resp: 294455

Ion Ratio Lower Upper

117 100

82 49.2 39.2 58.8

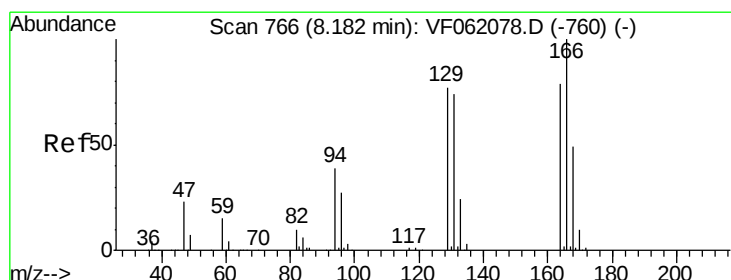
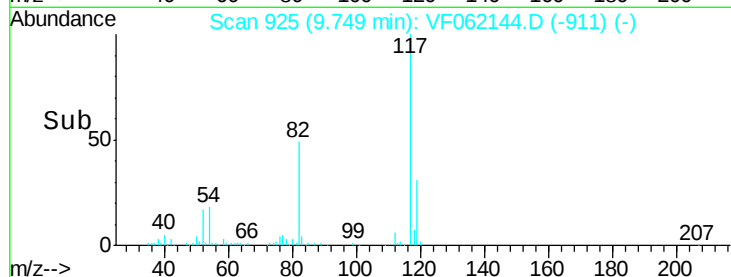
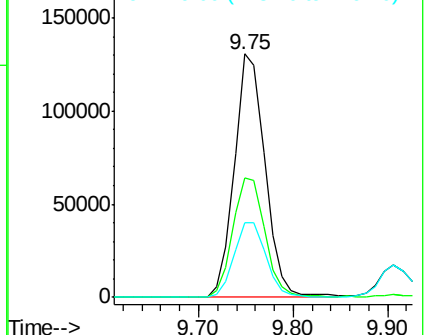
119 30.7 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 23.552 ug/l

RT: 8.13 min Scan# 761

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion:164 Resp: 53578

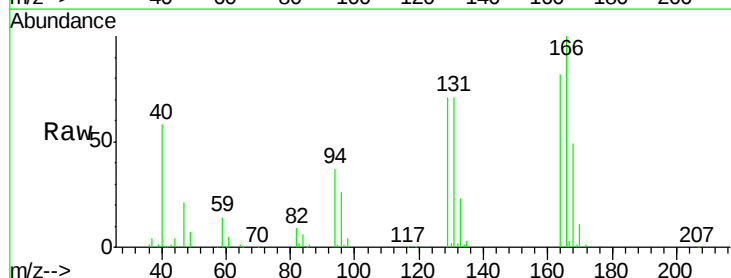
Ion Ratio Lower Upper

164 100

166 121.7 100.9 151.3

129 86.5 77.9 116.9

131 86.0 74.6 112.0

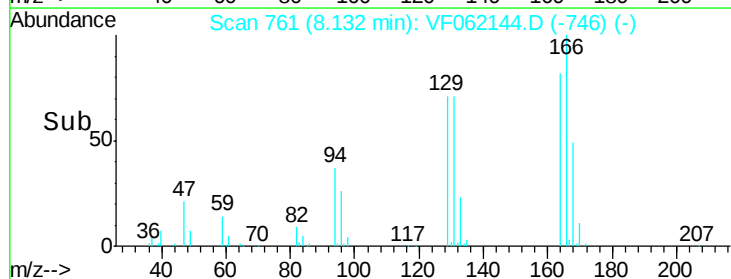
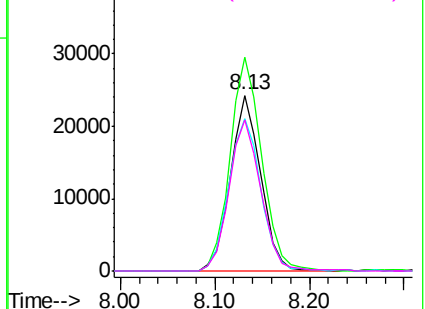


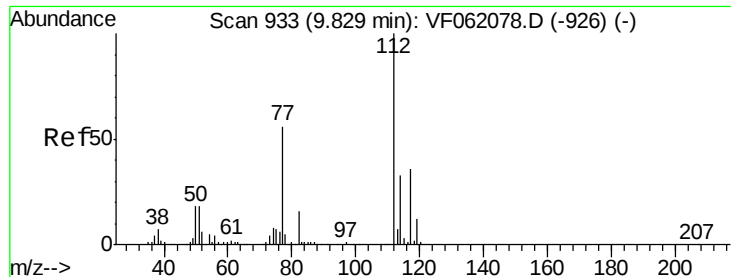
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

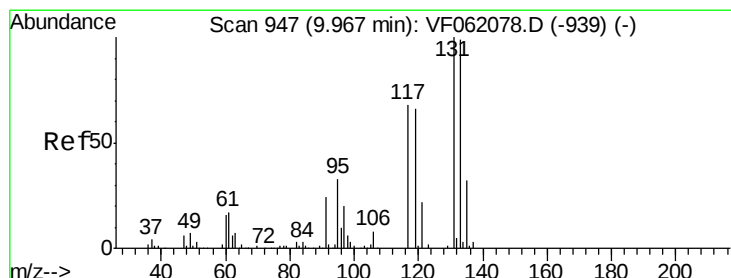
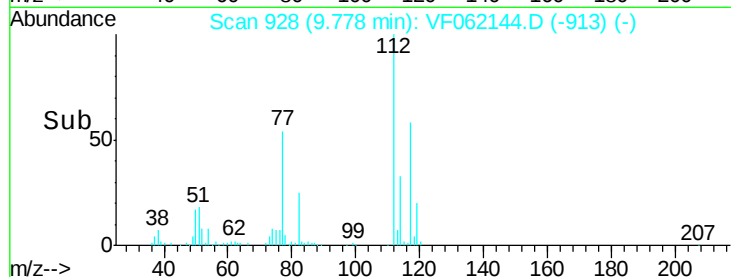
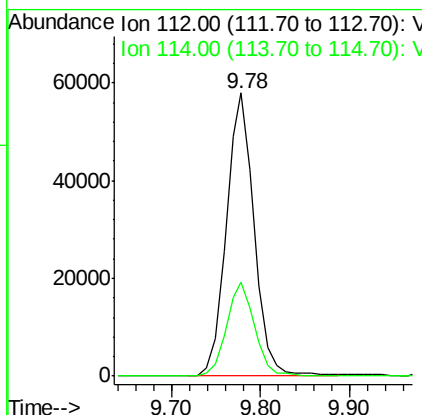
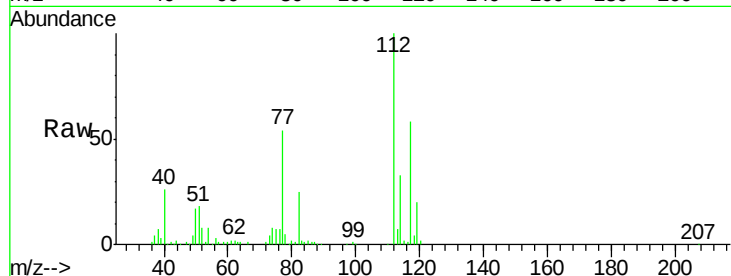




#65
Chlorobenzene
Concen: 23.049 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

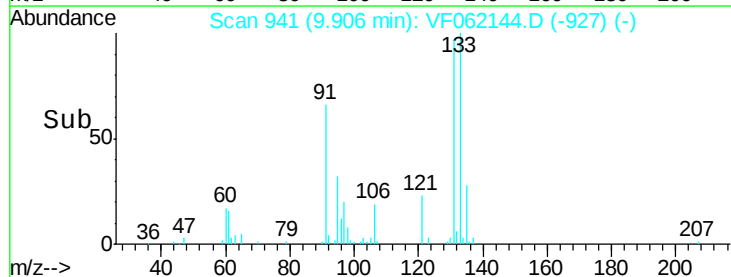
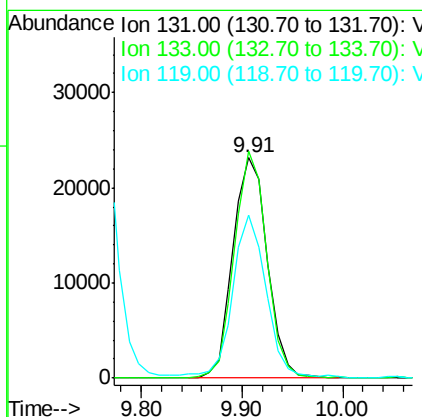
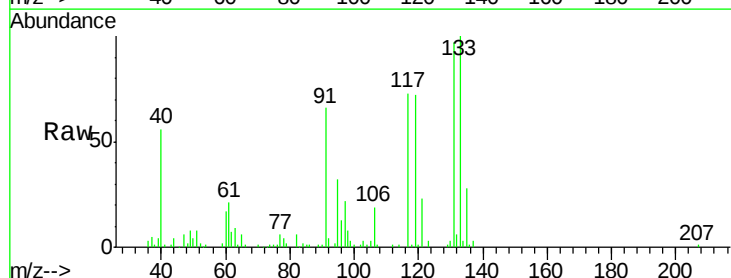
Instrument :
MSVOA_F
ClientSampleId :

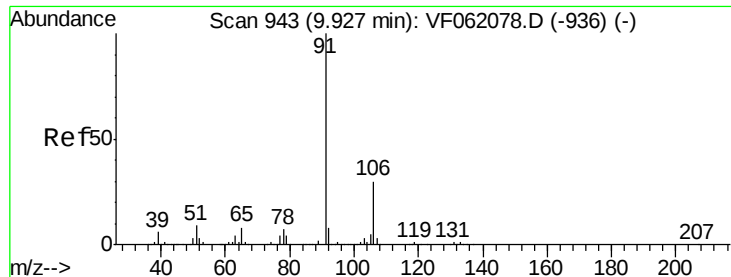
Tot Ion:112 Resp: 126987
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 24.891 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.06 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion:131 Resp: 55086
Ion Ratio Lower Upper
131 100
133 102.8 49.3 147.8
119 73.9 33.5 100.4





#67

Ethyl Benzene

Concen: 24.697 ug/l

RT: 9.88 min Scan# 938

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

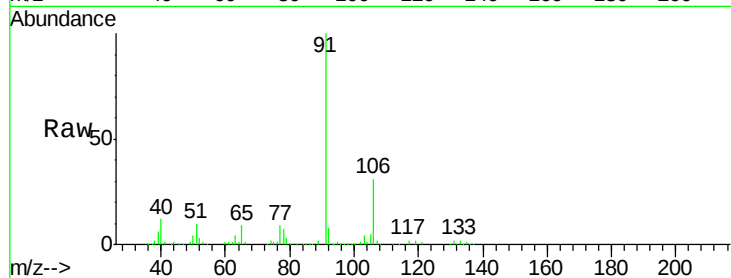
ClientSampled :

Tot Ion: 91 Resp: 236632

Ion Ratio Lower Upper

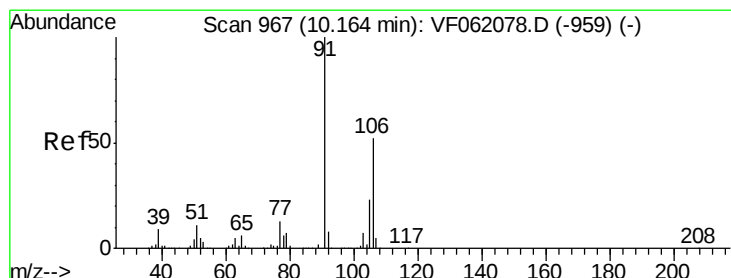
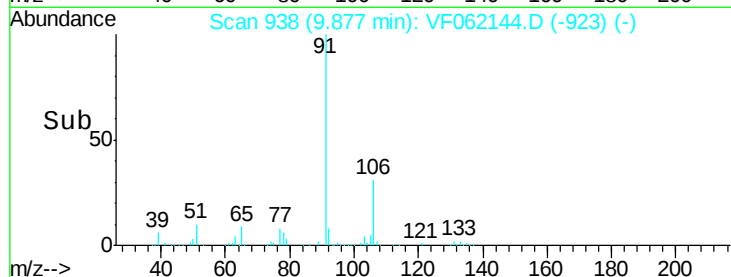
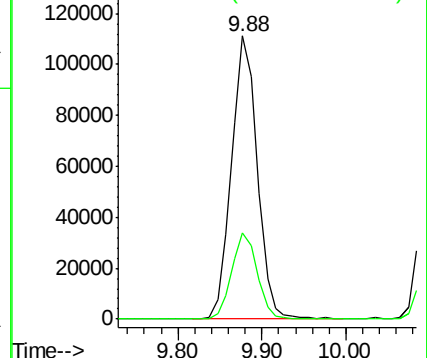
91 100

106 30.6 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 48.701 ug/l

RT: 10.11 min Scan# 962

Delta R.T. -0.05 min

Lab File: VF062144.D

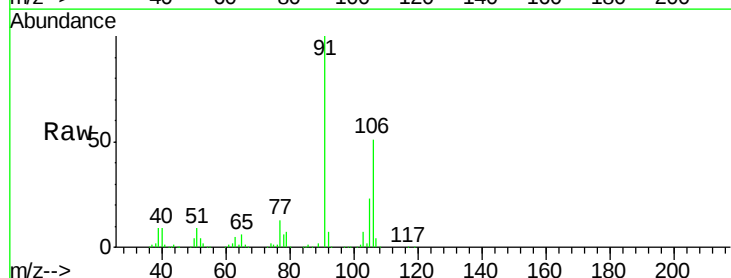
Acq: 26 Mar 2019 14:22

Tgt Ion: 106 Resp: 174405

Ion Ratio Lower Upper

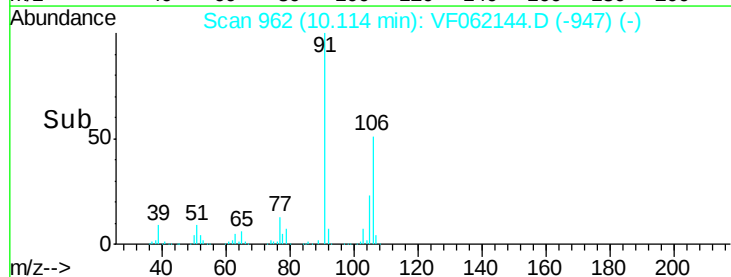
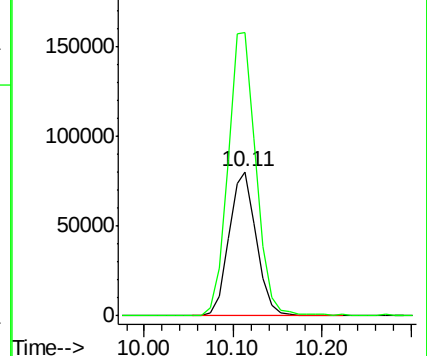
106 100

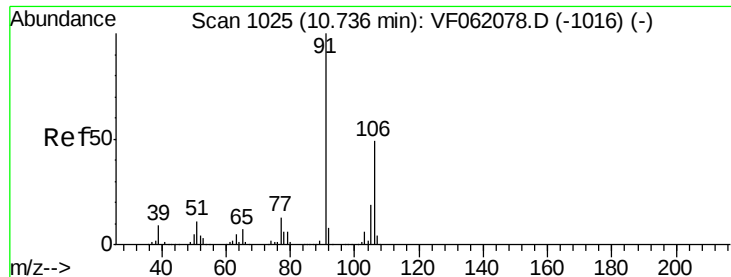
91 196.0 154.4 231.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

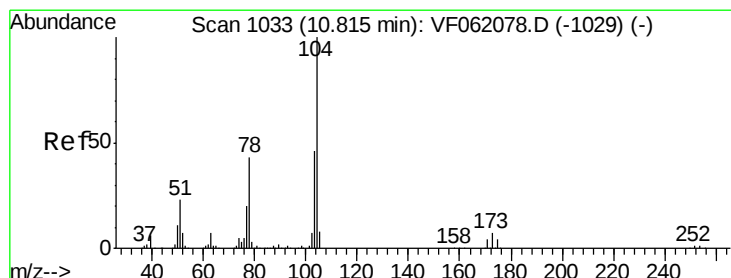
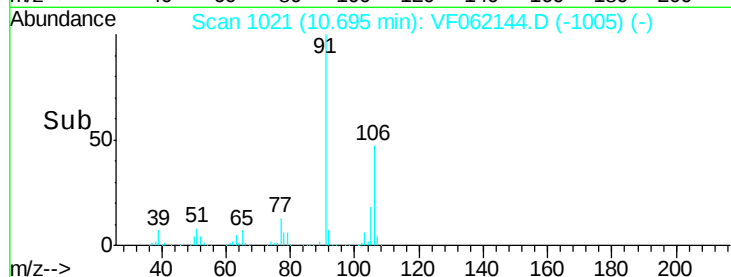
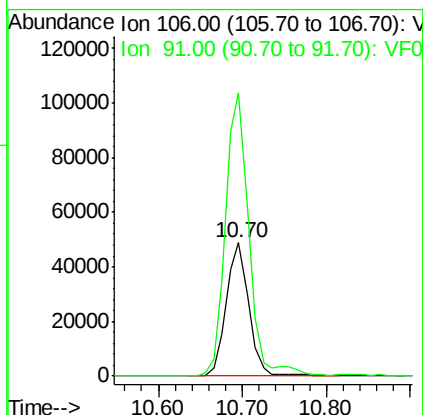
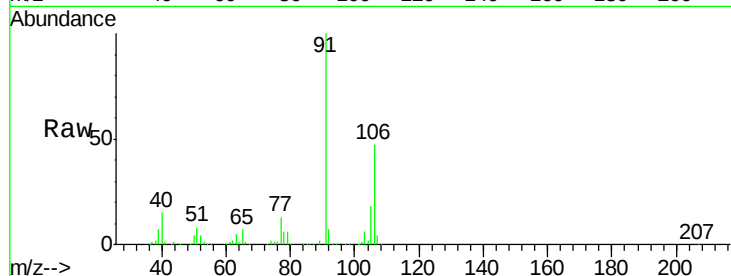




#69
o-Xylene
Concen: 24.445 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.04 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

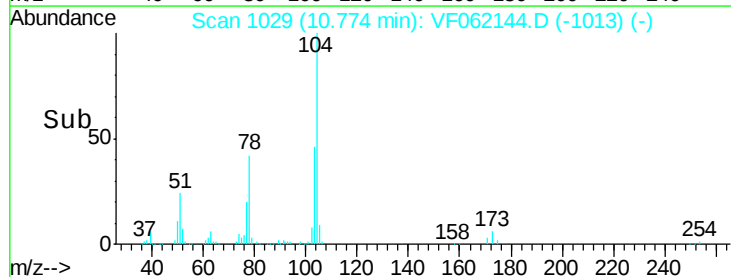
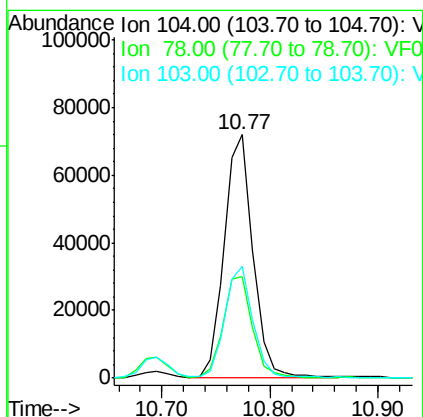
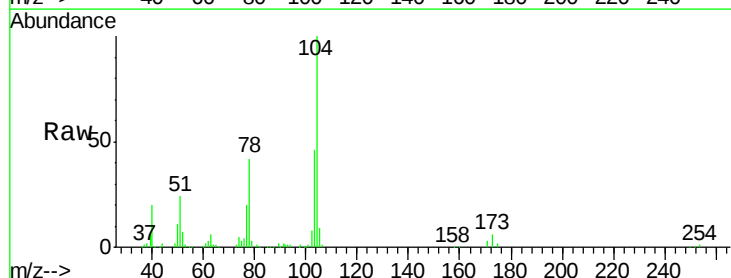
Instrument :
MSVOA_F
ClientSampleId :

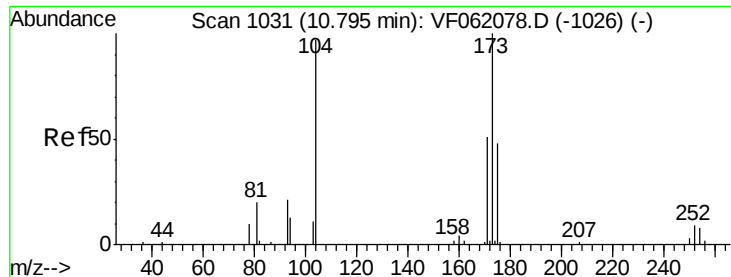
Tot Ion:106 Resp: 91685
Ion Ratio Lower Upper
106 100
91 212.4 102.6 307.8



#70
Styrene
Concen: 23.338 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion:104 Resp: 132629
Ion Ratio Lower Upper
104 100
78 41.9 34.3 51.5
103 46.1 36.9 55.3





#71

Bromoform

Concen: 22.724 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

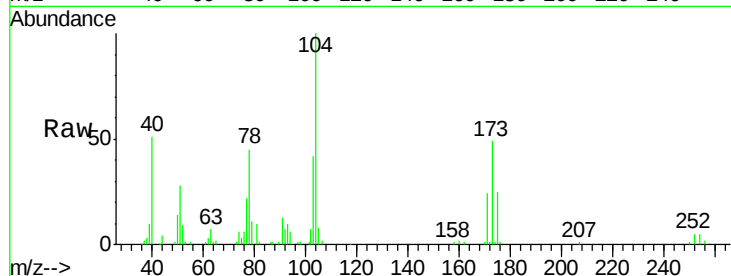
Tot Ion:173 Resp: 25723

Ion Ratio Lower Upper

173 100

175 50.7 24.1 72.4

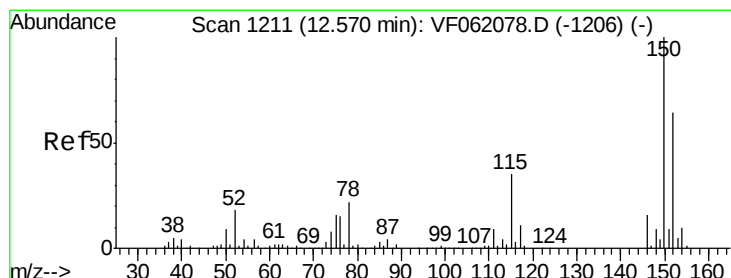
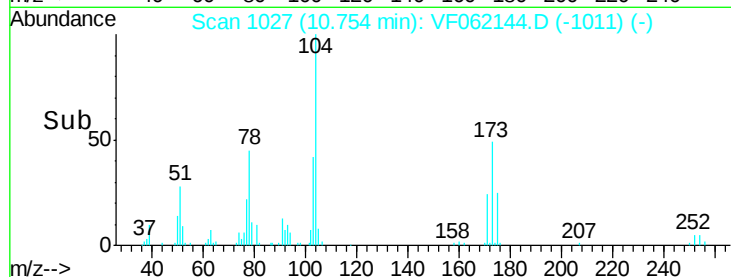
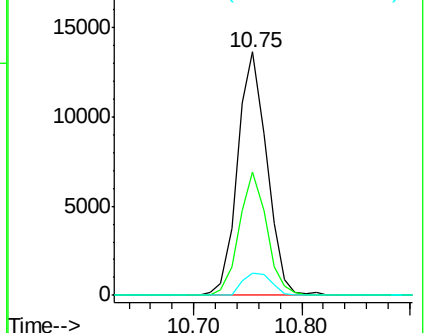
254 9.1 6.2 9.4



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: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

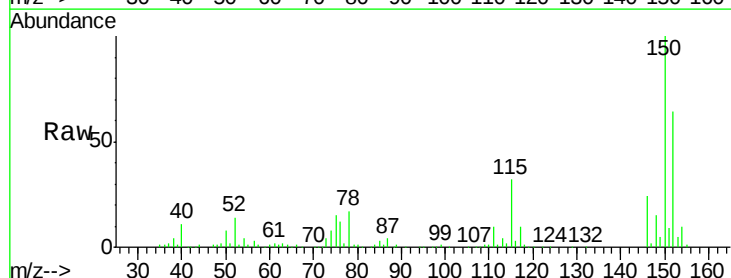
Tgt Ion:152 Resp: 162540

Ion Ratio Lower Upper

152 100

115 50.0 27.7 83.1

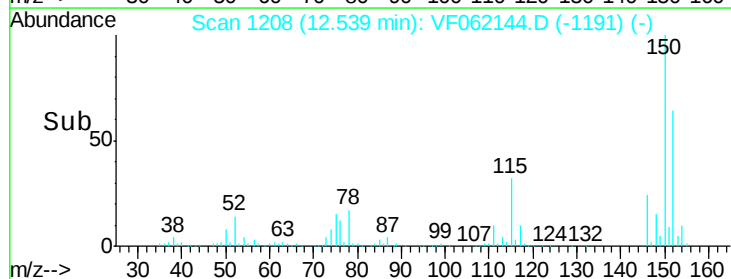
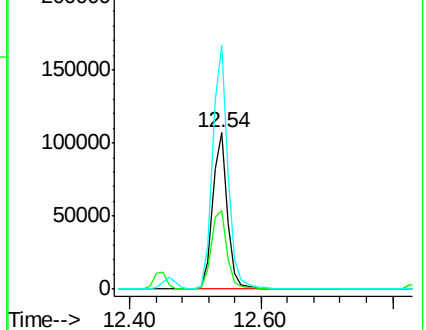
150 155.9 0.0 313.2

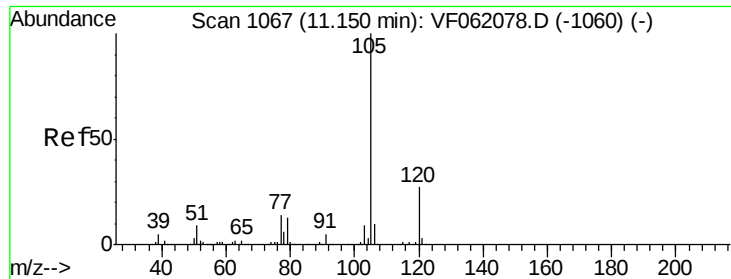


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.283 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

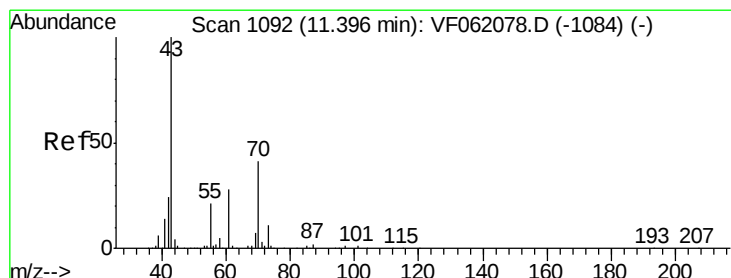
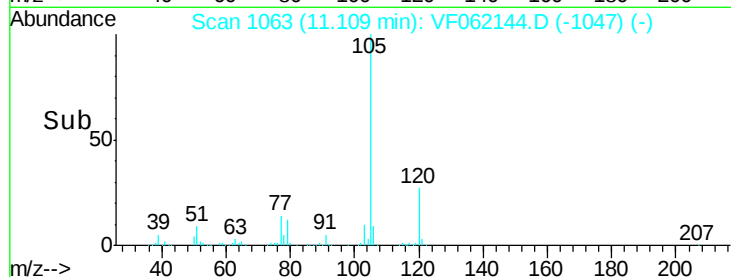
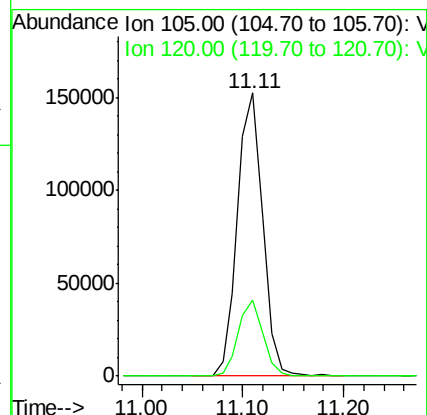
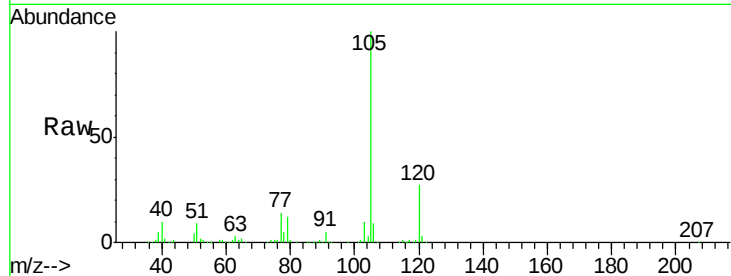
ClientSampleId :

Tot Ion:105 Resp: 266301

Ion Ratio Lower Upper

105 100

120 27.0 13.8 41.3



#74

N-ethyl acetate

Concen: 21.876 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Tgt Ion: 43 Resp: 59618

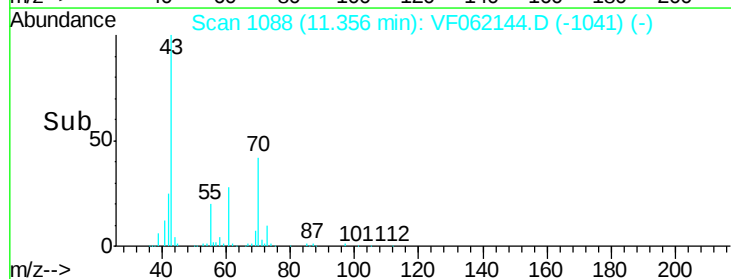
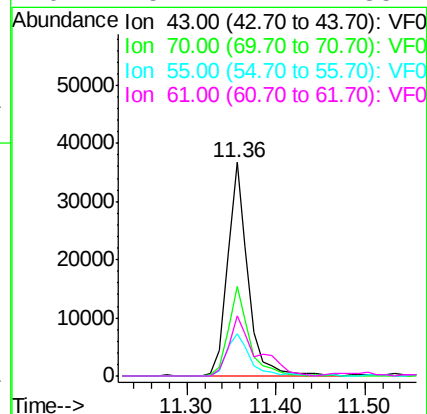
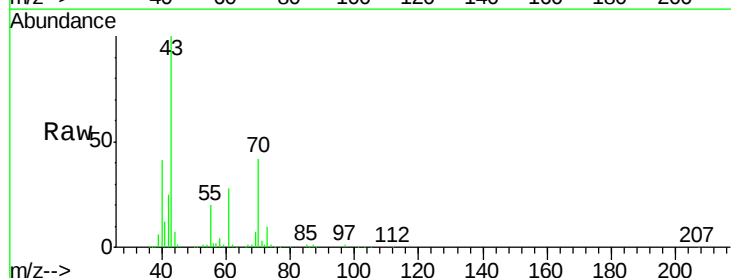
Ion Ratio Lower Upper

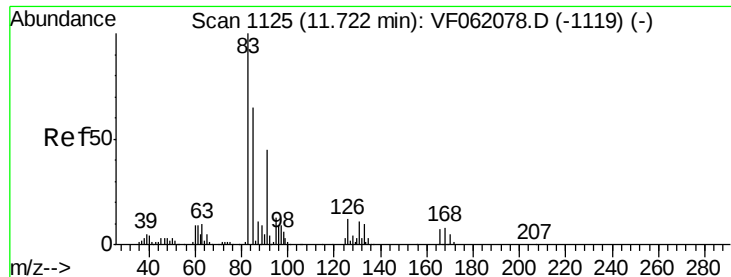
43 100

70 41.9 32.9 49.3

55 19.9 17.1 25.7

61 28.2 22.2 33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.262 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

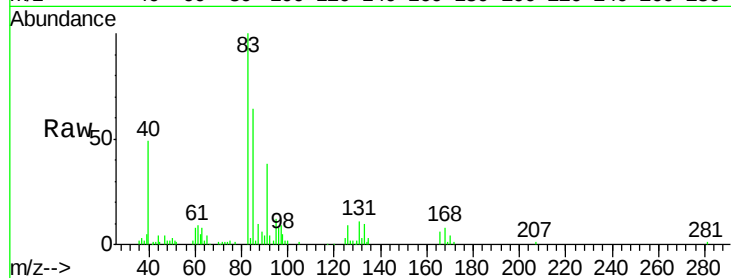
Tot Ion: 83 Resp: 43718

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.3	15.8
85	64.2	32.6	98.0

83 100

131 11.3 5.3 15.8

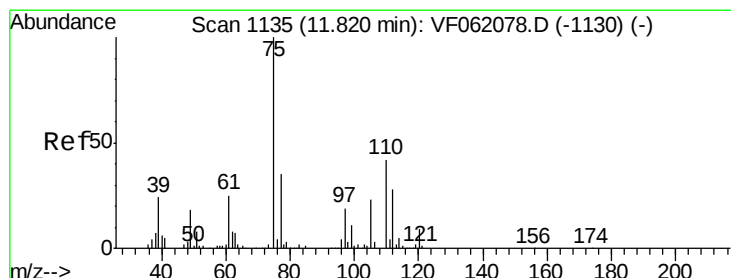
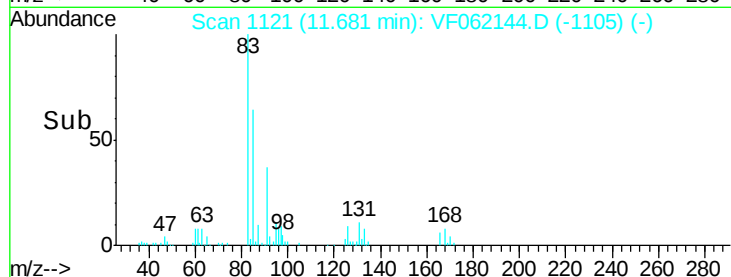
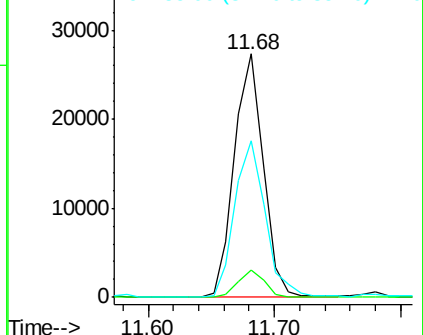
85 64.2 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 11.856 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. 0.04 min

Lab File: VF062144.D

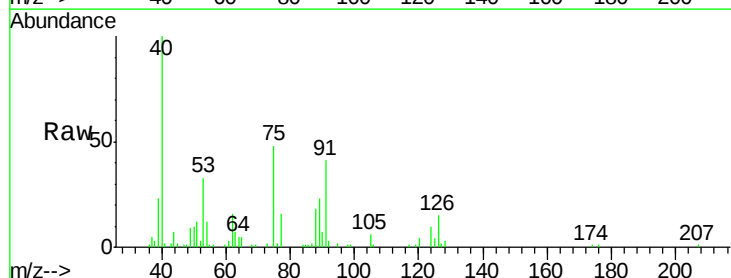
Acq: 26 Mar 2019 14:22

Tgt Ion: 75 Resp: 16386

Ion	Ratio	Lower	Upper
75	100		
77	33.1	17.8	53.3

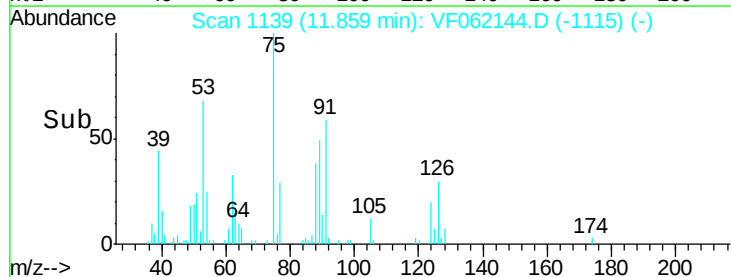
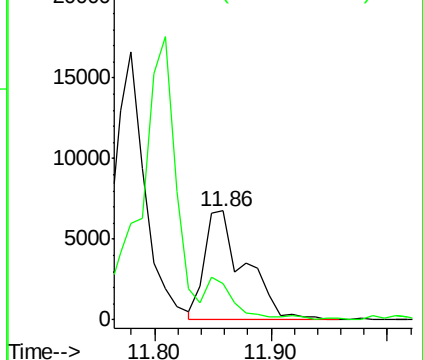
75 100

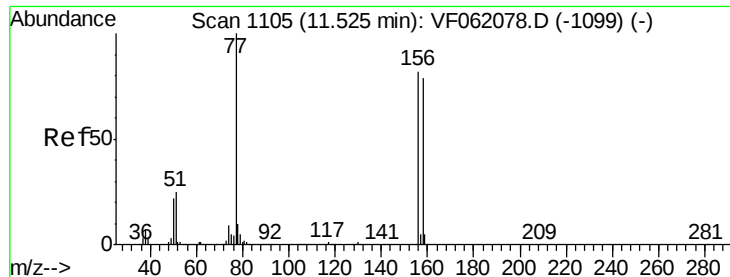
77 33.1 17.8 53.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.870 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. -0.05 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

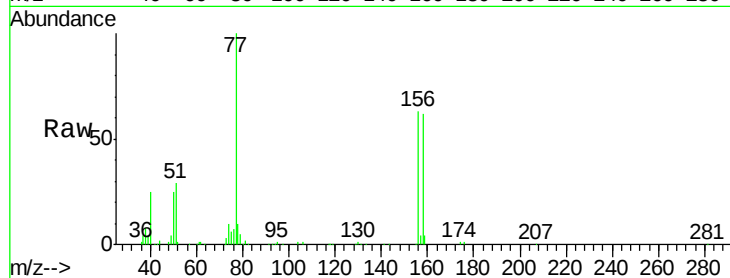
Tot Ion:156 Resp: 61113

Ion Ratio Lower Upper

156 100

77 158.0 61.3 183.9

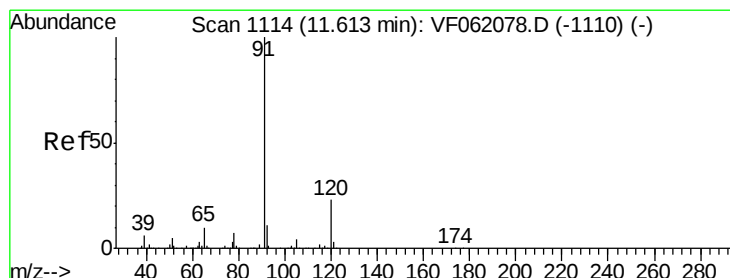
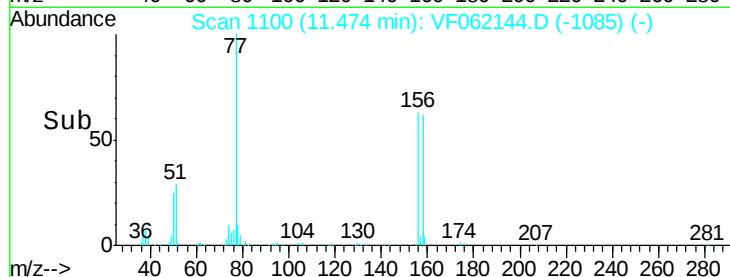
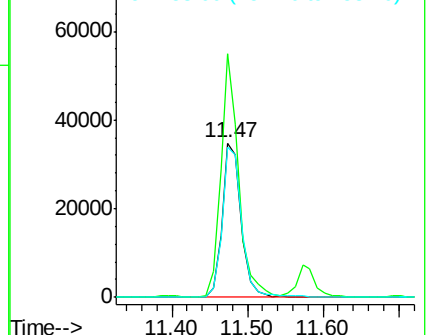
158 97.3 48.6 145.9



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.134 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF062144.D

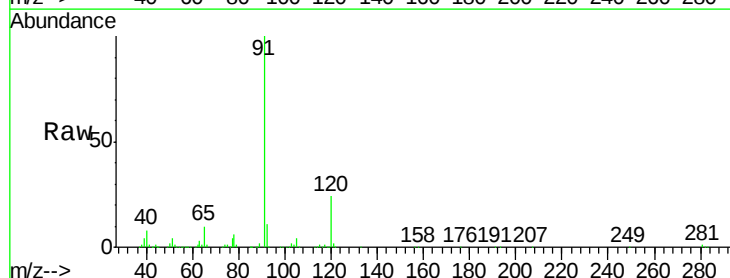
Acq: 26 Mar 2019 14:22

Tgt Ion: 91 Resp: 307240

Ion Ratio Lower Upper

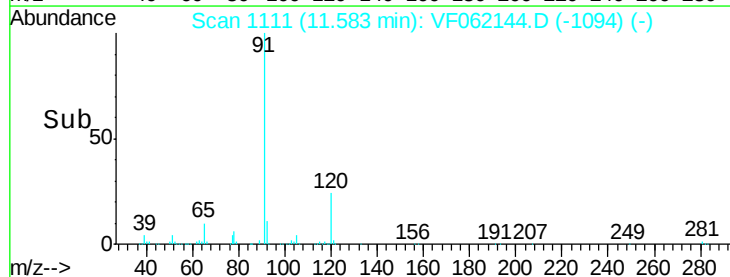
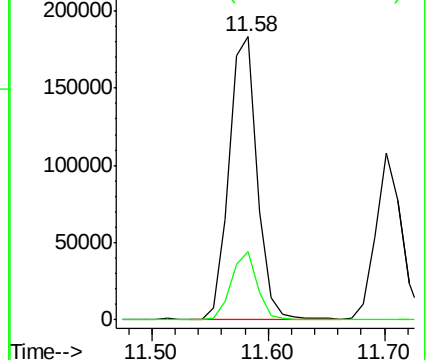
91 100

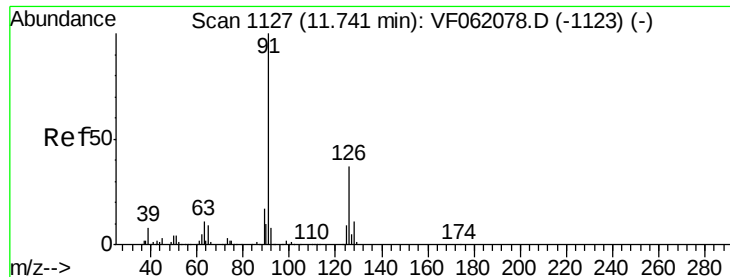
120 24.0 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.059 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

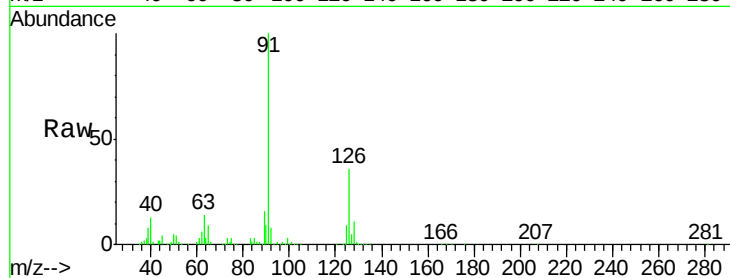
ClientSampled :

Tot Ion: 91 Resp: 162834

Ion Ratio Lower Upper

91 100

126 36.1 18.3 54.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.70

120000

100000

80000

60000

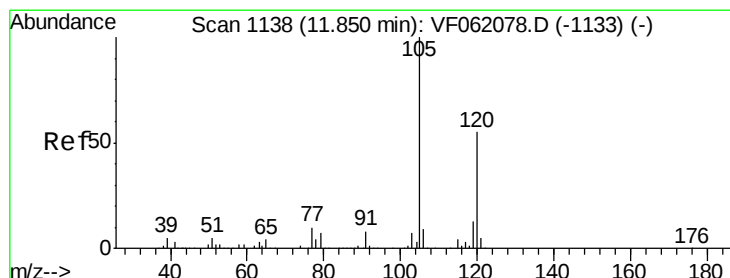
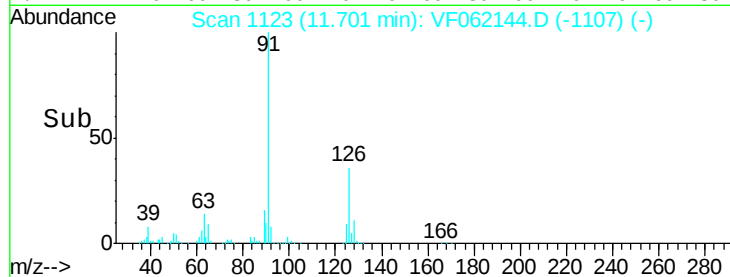
40000

20000

0

Time-->

11.65 11.70 11.75 11.80



#80

1,3,5-Trimethylbenzene

Concen: 22.714 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.04 min

Lab File: VF062144.D

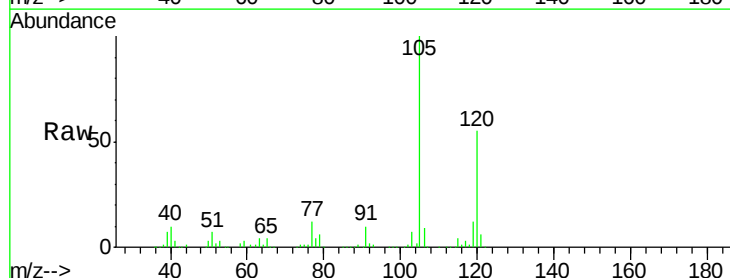
Acq: 26 Mar 2019 14:22

Tgt Ion:105 Resp: 213687

Ion Ratio Lower Upper

105 100

120 54.8 27.8 83.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.81

150000

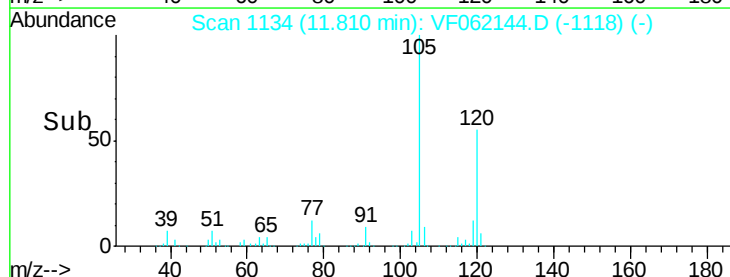
100000

50000

0

Time-->

11.70 11.80 11.90





#81

trans-1,4-Dichloro-2-butene

Concen: 29.097 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

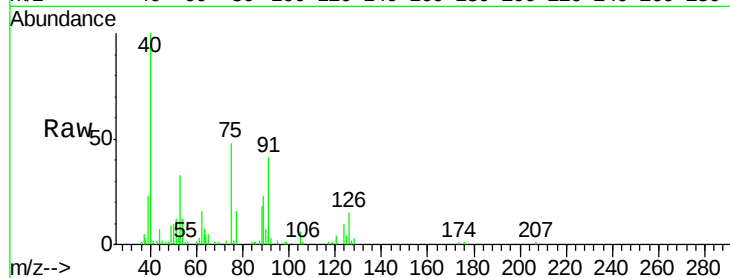
Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 75 Resp: 16386

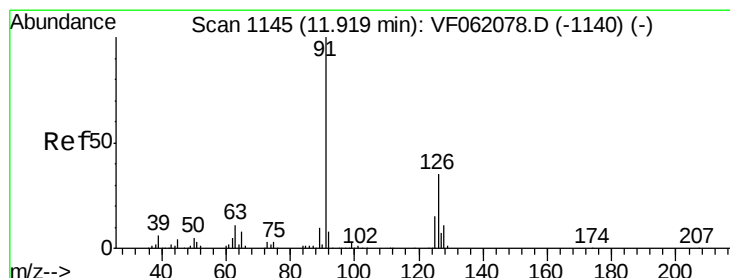
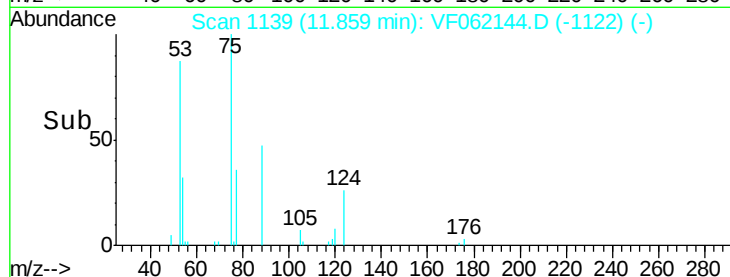
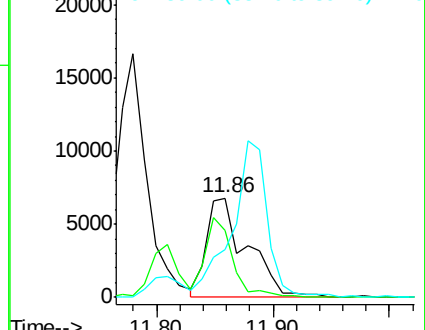
Ion	Ratio	Lower	Upper
75	100		
53	68.2	49.4	74.0
89	48.7	40.6	60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 22.905 ug/l

RT: 11.88 min Scan# 1141

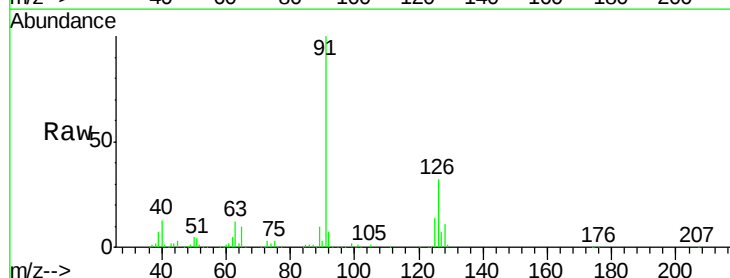
Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

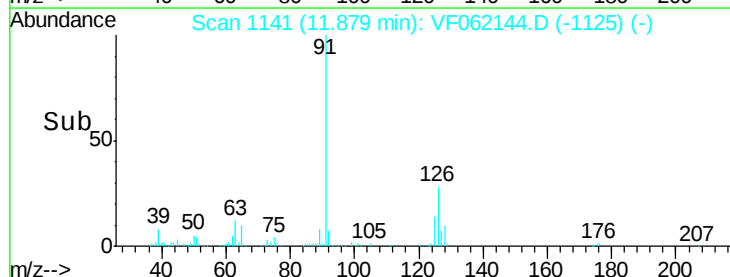
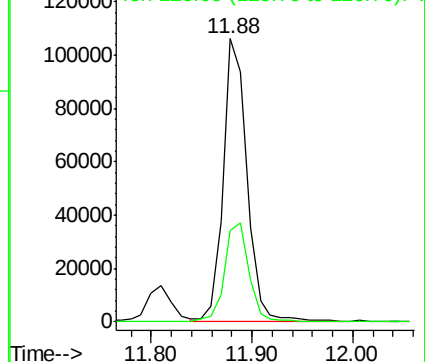
Tgt Ion: 91 Resp: 173365

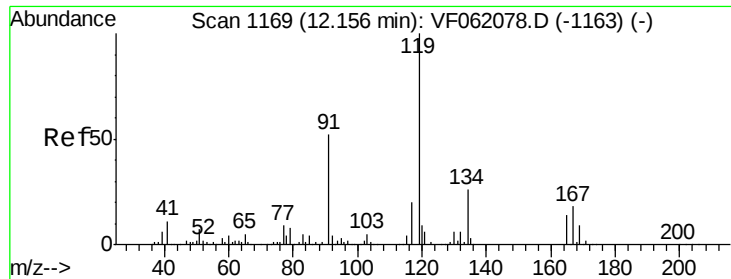
Ion	Ratio	Lower	Upper
91	100		
126	32.1	17.2	51.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

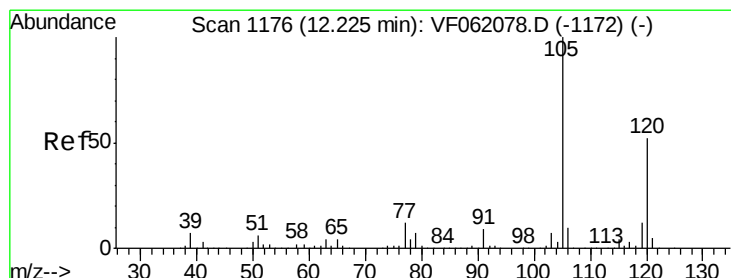
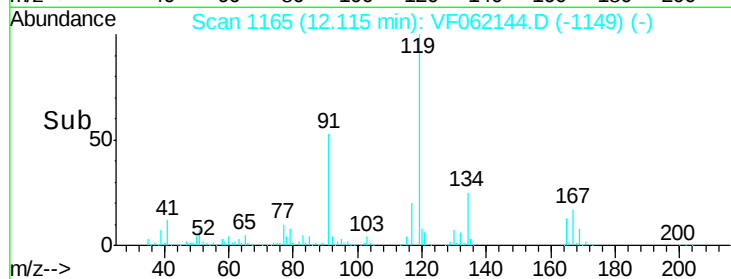
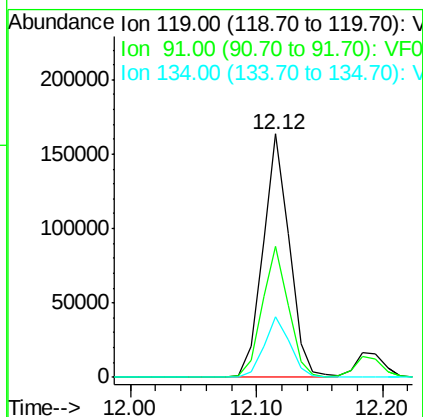
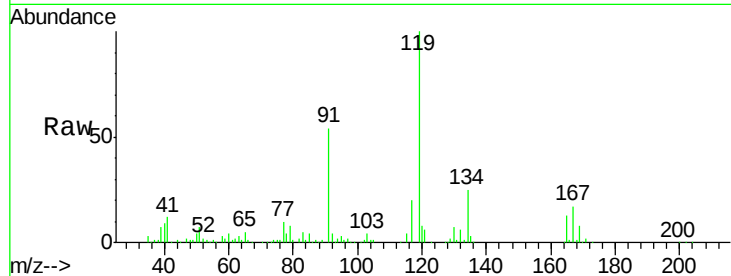




#83
 tert-Butylbenzene
 Concen: 24.288 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

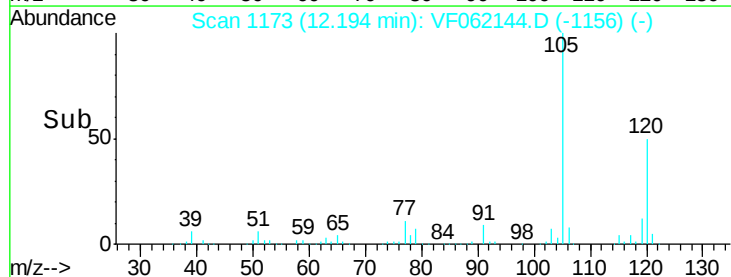
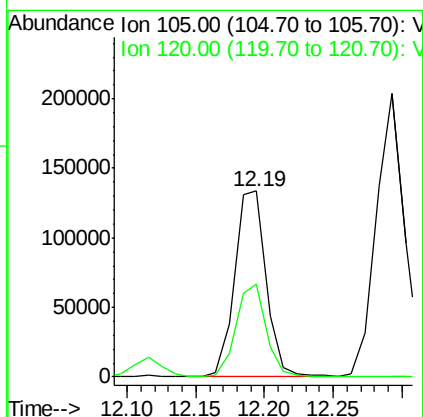
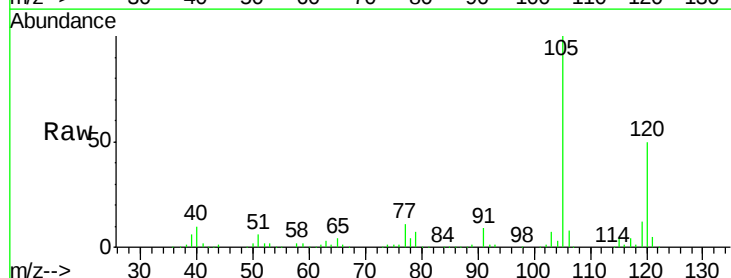
Instrument :
 MSVOA_F
 ClientSampleId :

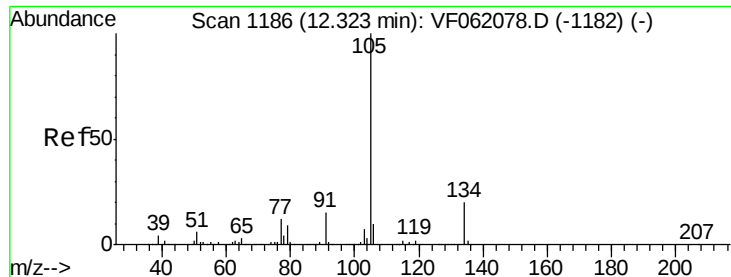
Tot Ion:119 Resp: 239188
 Ion Ratio Lower Upper
 119 100
 91 53.9 26.1 78.2
 134 24.9 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 23.100 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion:105 Resp: 213042
 Ion Ratio Lower Upper
 105 100
 120 50.2 26.1 78.2





#85

sec-Butylbenzene

Concen: 23.085 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

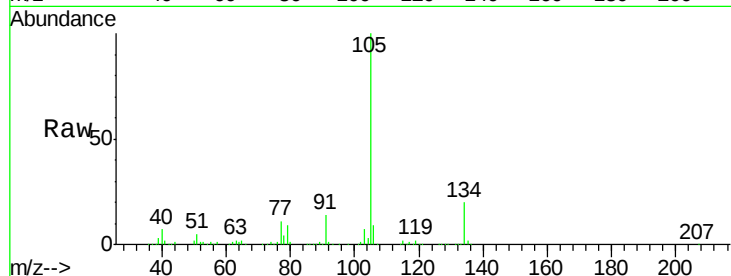
ClientSampleId :

Tot Ion:105 Resp: 294110

Ion Ratio Lower Upper

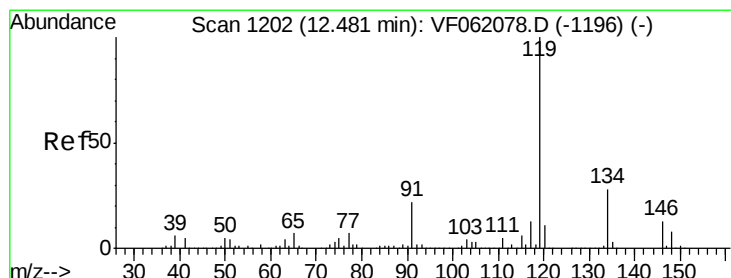
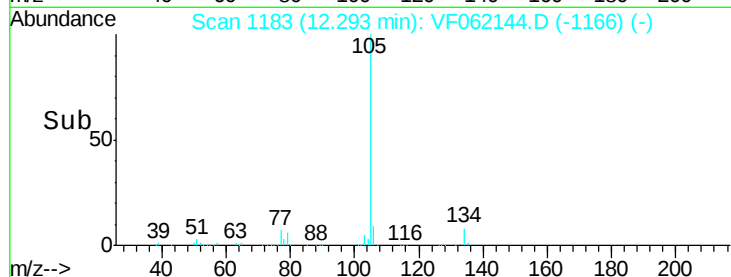
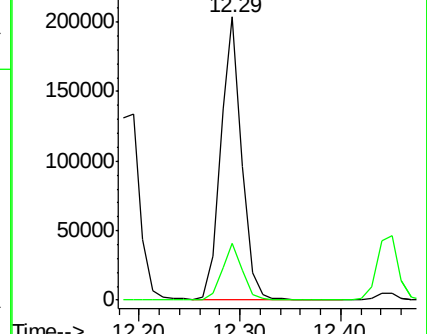
105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.668 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

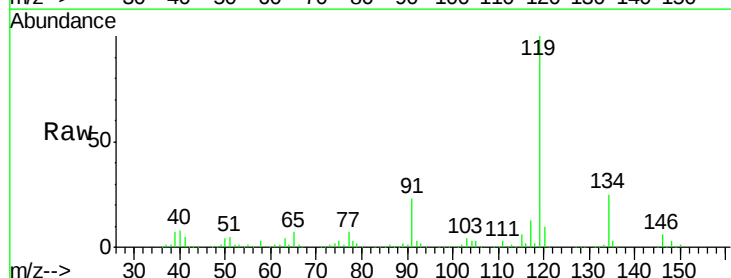
Tgt Ion:119 Resp: 261243

Ion Ratio Lower Upper

119 100

134 25.2 14.0 42.0

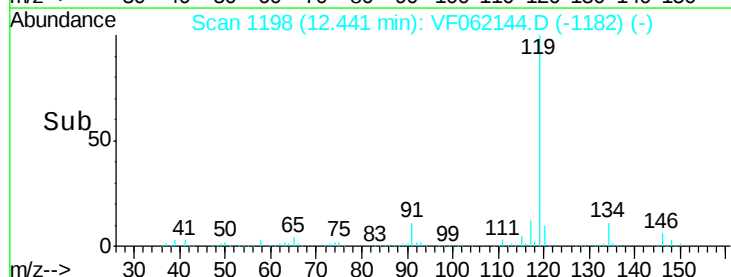
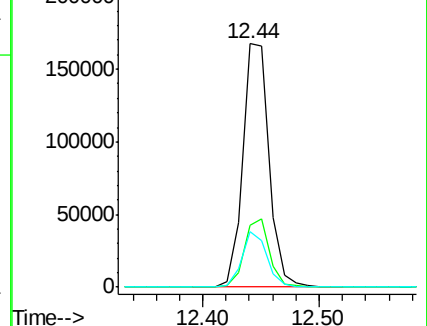
91 22.7 10.8 32.4

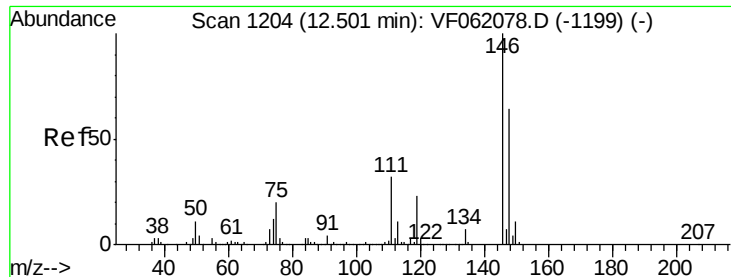


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

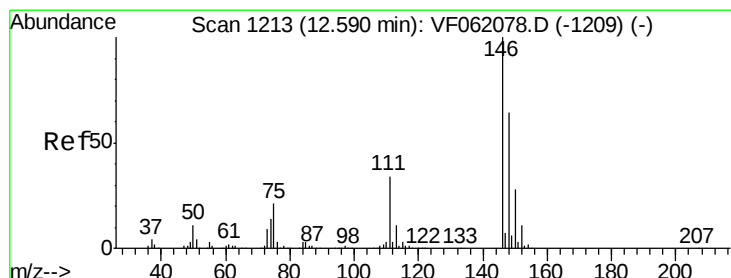
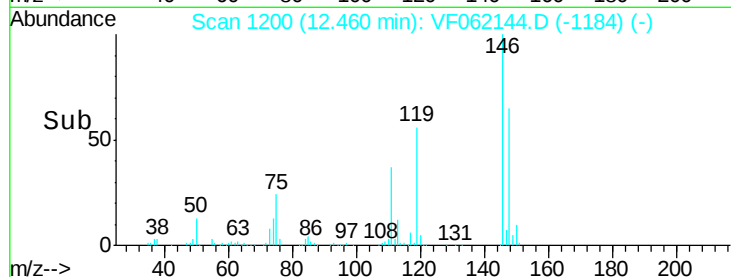
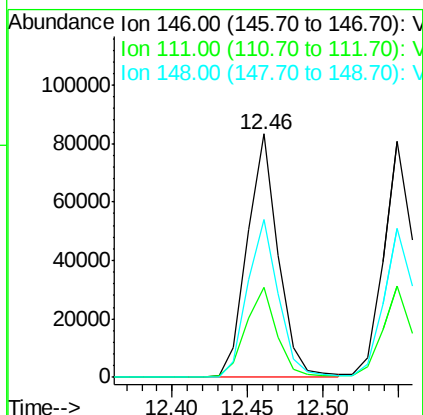
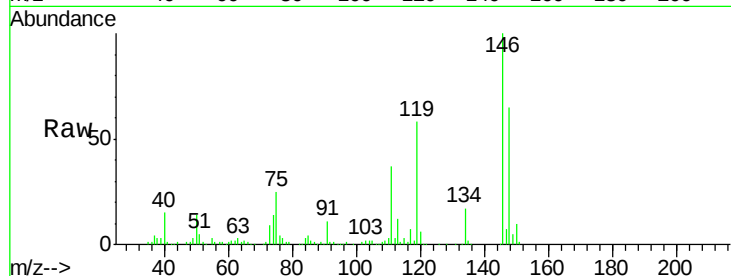




#87
 1,3-Dichlorobenzene
 Concen: 22.946 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

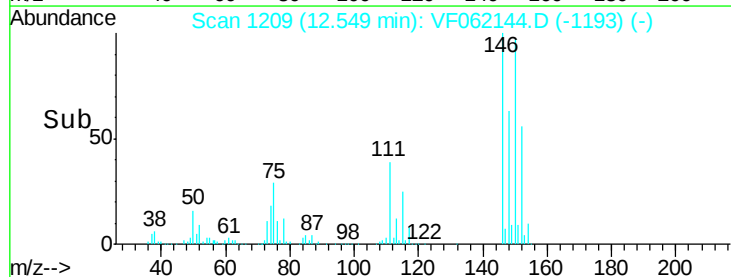
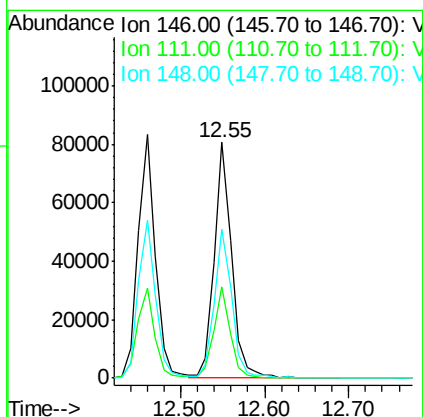
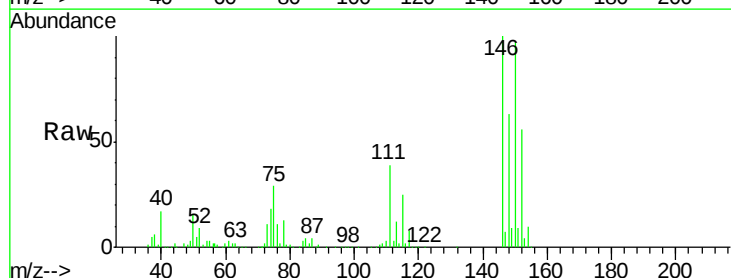
Instrument :
 MSVOA_F
 ClientSampleId :

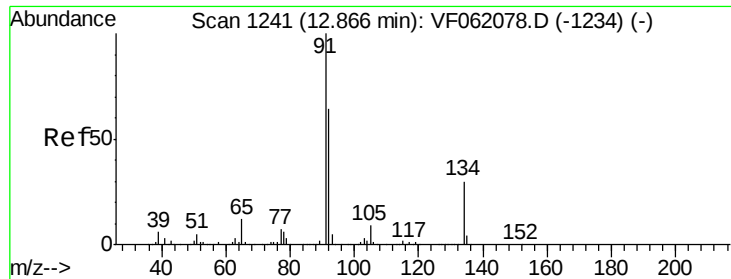
Tot Ion:146 Resp: 119122
 Ion Ratio Lower Upper
 146 100
 111 36.9 16.1 48.3
 148 64.9 31.9 95.7



#88
 1,4-Dichlorobenzene
 Concen: 22.977 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion:146 Resp: 116398
 Ion Ratio Lower Upper
 146 100
 111 38.6 16.9 50.6
 148 62.9 31.9 95.7





#89

n-Butylbenzene

Concen: 23.547 ug/l

RT: 12.83 min Scan# 1237

Delta R.T. -0.04 min

Lab File: VF062144.D

Acq: 26 Mar 2019 14:22

Instrument :

MSVOA_F

ClientSampleId :

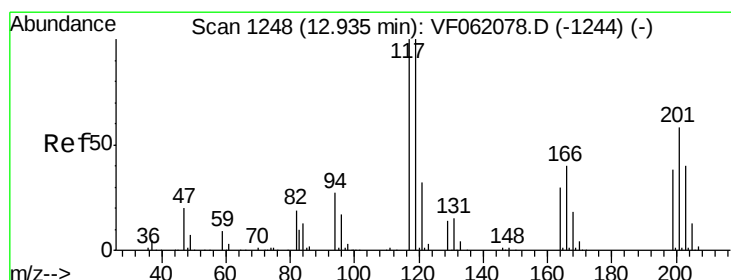
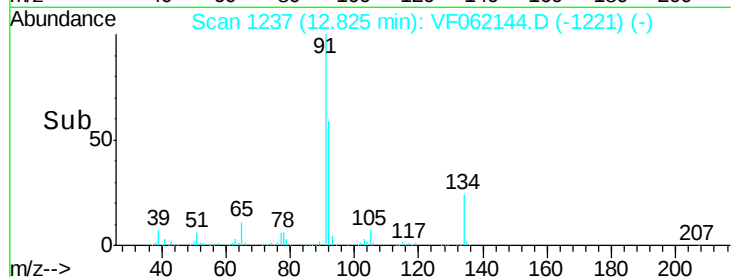
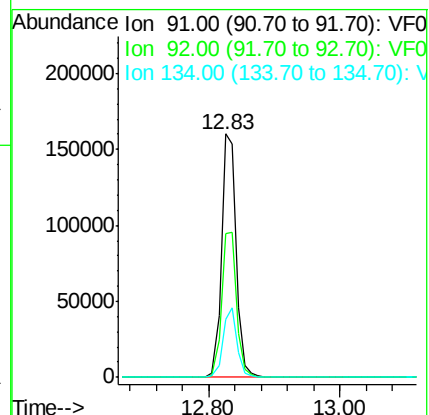
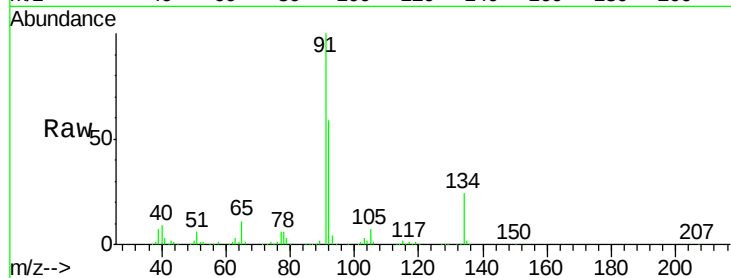
Tot Ion: 91 Resp: 247960

Ion Ratio Lower Upper

91 100

92 59.1 31.9 95.5

134 23.9 14.9 44.9



#90

Hexachloroethane

Concen: 22.476 ug/l

RT: 12.90 min Scan# 1245

Delta R.T. -0.03 min

Lab File: VF062144.D

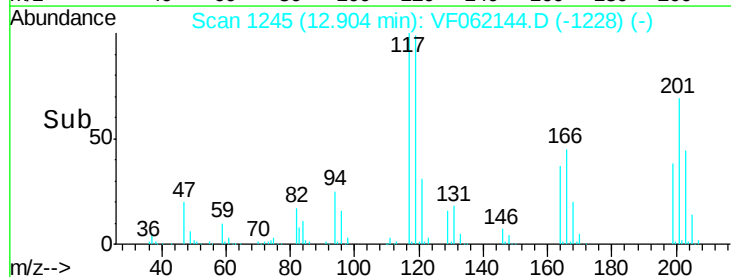
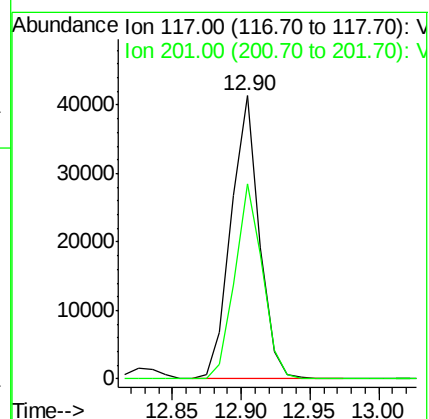
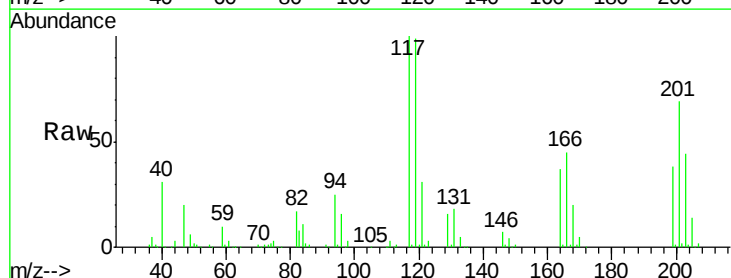
Acq: 26 Mar 2019 14:22

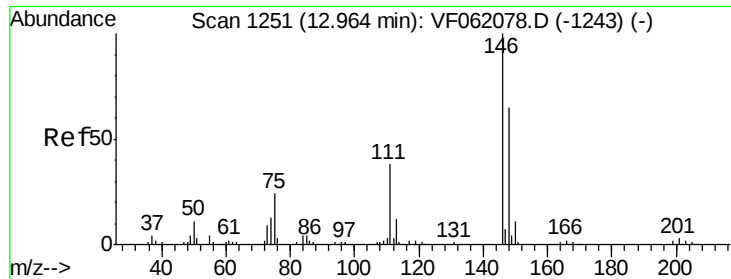
Tgt Ion: 117 Resp: 59071

Ion Ratio Lower Upper

117 100

201 68.9 28.7 86.1

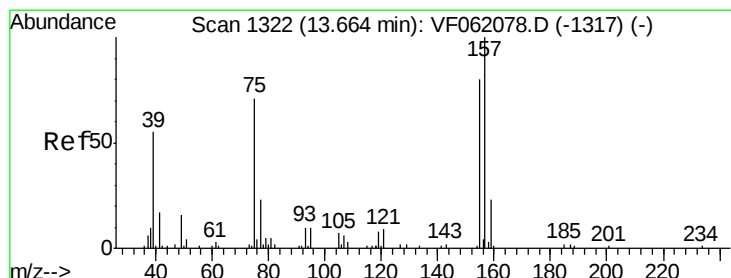
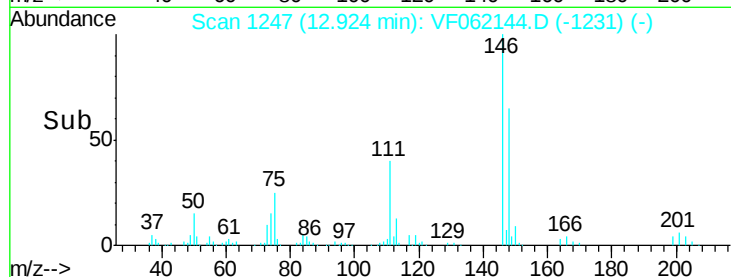
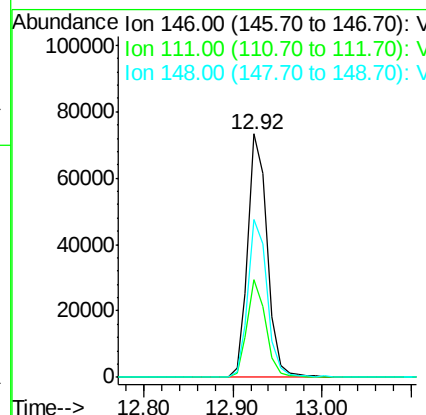
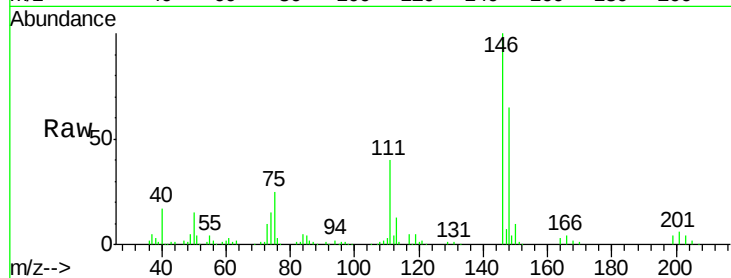




#91
 1,2-Dichlorobenzene
 Concen: 22.897 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

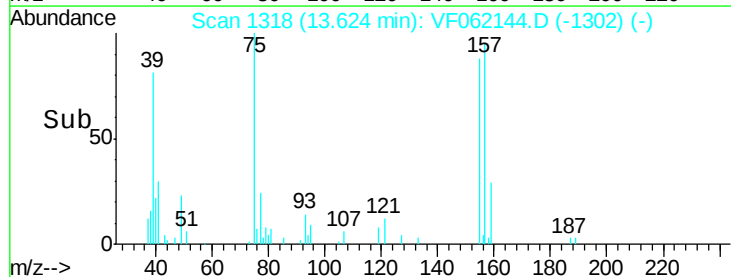
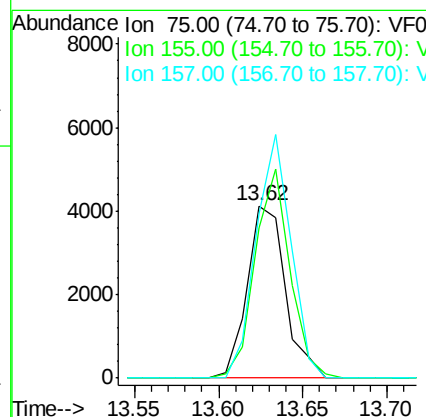
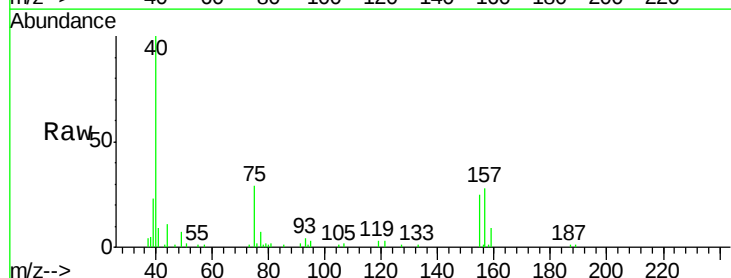
Instrument :
 MSVOA_F
 ClientSampleId :

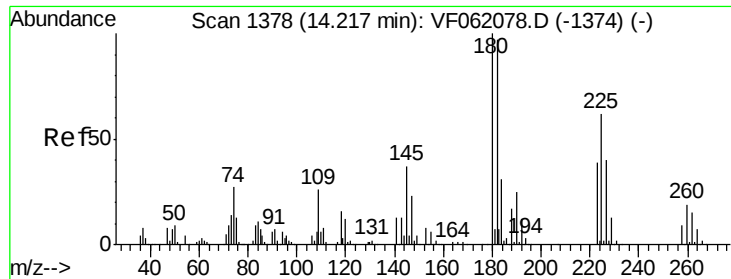
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.1	57.3
148	64.6	32.8	98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.808 ug/l
 RT: 13.62 min Scan# 1318
 Delta R.T. -0.04 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	56.1	168.4
157	95.4	70.4	211.2

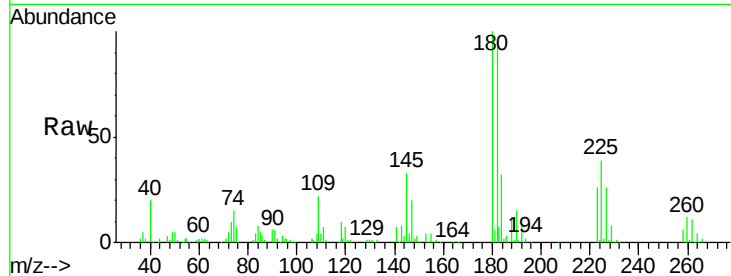




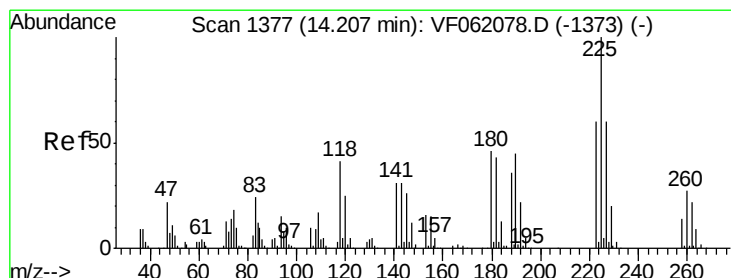
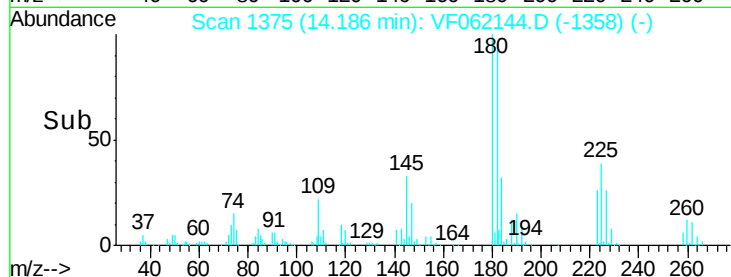
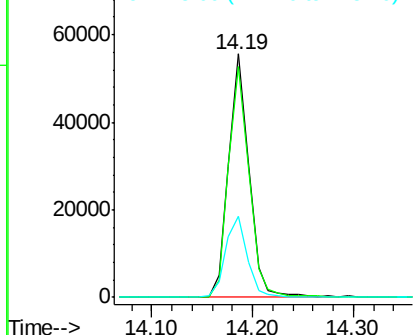
#93
 1,2,4-Trichlorobenzene
 Concen: 23.160 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 78687
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.7 146.1
 145 33.4 18.3 54.8

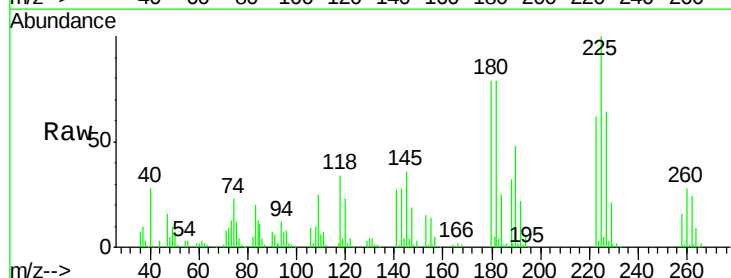


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

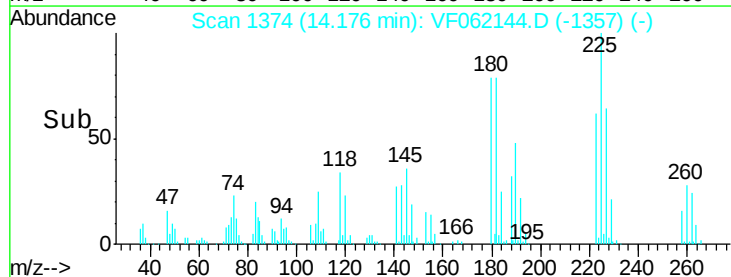
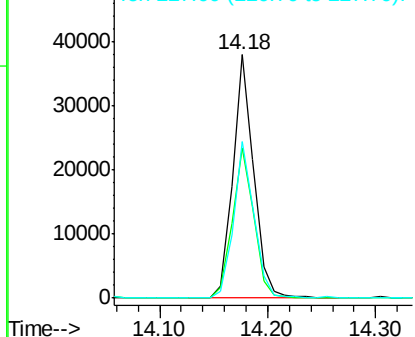


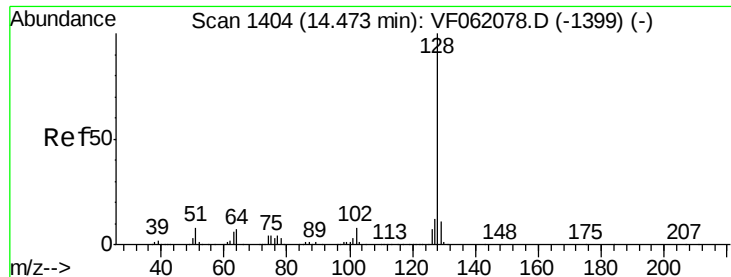
#94
 Hexachlorobutadiene
 Concen: 22.514 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF062144.D
 Acq: 26 Mar 2019 14:22

Tgt Ion:225 Resp: 50858
 Ion Ratio Lower Upper
 225 100
 223 61.9 30.0 90.0
 227 64.5 30.2 90.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

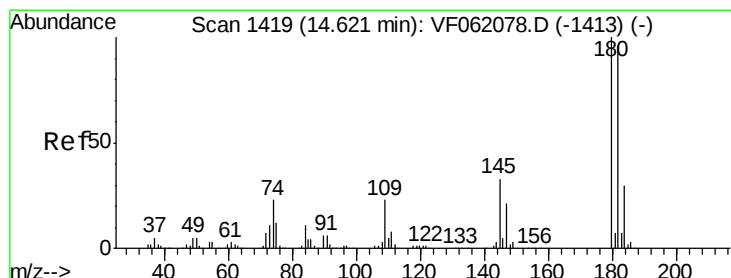
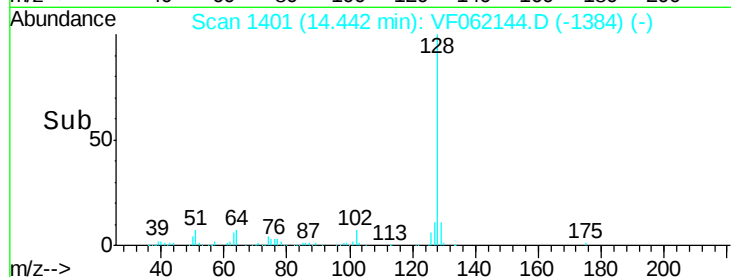
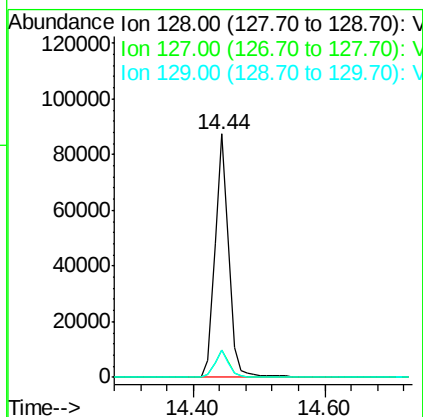
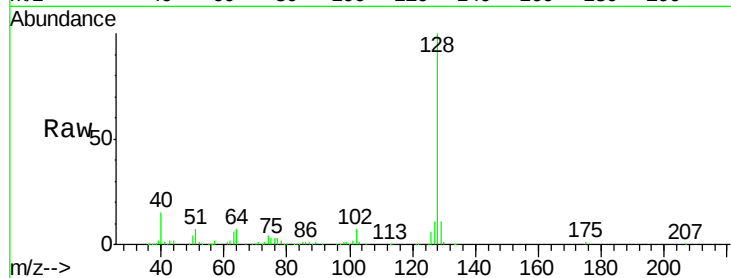




#95
Naphthalene
Concen: 21.088 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 125553
Ion Ratio Lower Upper
128 100
127 11.4 9.5 14.3
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.303 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF062144.D
Acq: 26 Mar 2019 14:22

Tgt Ion:180 Resp: 70930
Ion Ratio Lower Upper
180 100
182 90.2 47.9 143.7
145 26.7 16.6 49.7

