

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041719\
 Data File : VF062193.D
 Acq On : 17 Apr 2019 18:38
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 18 06:53:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 06:46:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	410092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	597159	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.89	117	461958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.60	152	236107	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	194617	35.63	ug/l	0.00
Spiked Amount			Recovery	=	71.26%	
35) Dibromofluoromethane	4.30	113	251336	61.37	ug/l	0.00
Spiked Amount			Recovery	=	122.74%	
50) Toluene-d8	7.70	98	664900	44.53	ug/l	0.00
Spiked Amount			Recovery	=	89.06%	
62) 4-Bromofluorobenzene	11.48	95	243482	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	296716	60.327	ug/l	100
3) Chloromethane	1.15	50	308319	52.018	ug/l	100
4) Vinyl Chloride	1.19	62	270052	47.901	ug/l	100
5) Bromomethane	1.40	94	167240	45.081	ug/l	100
6) Chloroethane	1.45	64	120068	37.730	ug/l	100
7) Trichlorofluoromethane	1.55	101	347551	51.900	ug/l	100
8) Diethyl Ether	1.70	74	74446	26.652	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.91	101	234752	54.075	ug/l	100
10) Methyl Iodide	1.98	142	427912	85.262	ug/l	100
11) Tert butyl alcohol	2.69	59	62255	57.215	ug/l	100
12) 1,1-Dichloroethene	1.87	96	220869	49.629	ug/l	100
13) Acrolein	2.09	56	26023	28.693	ug/l	100
14) Allyl chloride	2.19	41	244673	27.658	ug/l	100
15) Acrylonitrile	3.07	53	192656	67.208	ug/l	100
16) Acetone	2.34	43	222604	83.693	ug/l	100
17) Carbon Disulfide	1.91	76	533022	38.709	ug/l	99
18) Methyl Acetate	2.45	43	97949	14.654	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	394578	27.224	ug/l	100
20) Methylene Chloride	2.33	84	158858	31.078	ug/l	100
21) trans-1,2-Dichloroethene	2.41	96	225257	47.780	ug/l	100
22) Diisopropyl ether	2.93	45	647062	36.266	ug/l	100
23) Vinyl Acetate	3.33	43	1666166	112.659	ug/l	100
24) 1,1-Dichloroethane	3.00	63	343509	37.987	ug/l	100
25) 2-Butanone	4.51	43	439643	102.252	ug/l	100
26) 2,2-Dichloropropane	3.75	77	170017	26.261	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	295898	53.968	ug/l	100
28) Bromochloromethane	3.88	49	155096	36.683	ug/l #	100
29) Tetrahydrofuran	4.26	42	200599	70.878	ug/l	100
30) Chloroform	4.04	83	444941	52.120	ug/l	100
31) Cyclohexane	3.86	56	427018	46.567	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	256498	38.382	ug/l	100
36) 1,1-Dichloropropene	4.45	75	355060	55.459	ug/l	100
37) Ethyl Acetate	4.29	43	163093	22.777	ug/l #	100
38) Carbon Tetrachloride	4.17	117	288133	53.863	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	424479	54.906	ug/l	100
40) Benzene	4.81	78	913513	49.756	ug/l	100
41) Methacrylonitrile	4.92	41	97964	23.659	ug/l	100
42) 1,2-Dichloroethane	5.11	62	244463	39.111	ug/l	100
43) Isopropyl Acetate	7.10	43	170491	15.113	ug/l	100
44) Trichloroethene	5.67	130	251830	54.677	ug/l	100
45) 1,2-Dichloropropane	6.39	63	201280	41.000	ug/l	100
46) Dibromomethane	6.25	93	140441	47.726	ug/l	100
47) Bromodichloromethane	6.53	83	302974	51.871	ug/l	100
48) Methyl methacrylate	6.86	41	113192	19.997	ug/l	100
49) 1,4-Dioxane	6.86	88	26047	248.263	ug/l	100
51) 4-Methyl-2-Pentanone	8.39	43	639654	88.247	ug/l	100
52) Toluene	7.77	92	499316	46.038	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	231353	36.816	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	309932	42.804	ug/l	100
55) 1,1,2-Trichloroethane	8.62	97	136826	33.475	ug/l	100
56) Ethyl methacrylate	8.74	69	151074	21.645	ug/l	100
57) 1,3-Dichloropropane	8.98	76	220968	30.677	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	233236	63.999	ug/l	100
59) 2-Hexanone	9.61	43	405051	73.245	ug/l	100
60) Dibromochloromethane	8.84	129	205324	49.695	ug/l	100
61) 1,2-Dibromoethane	9.12	107	154607	36.356	ug/l	100
64) Tetrachloroethene	8.29	164	206328	56.588	ug/l	100
65) Chlorobenzene	9.91	112	514046	51.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	229476	62.954	ug/l	100
67) Ethyl Benzene	10.01	91	874780	48.872	ug/l	100
68) m/p-Xylenes	10.24	106	639487	98.190	ug/l	100
69) o-Xylene	10.80	106	367389	56.260	ug/l	100
70) Styrene	10.88	104	495765	45.821	ug/l	100
71) Bromoform	10.86	173	119655	44.631	ug/l #	100
73) Isopropylbenzene	11.21	105	1029533	55.861	ug/l	100
74) N-amyl acetate	11.43	43	240184	25.569	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.76	83	176667	28.995	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	120173	22.827	ug/l #	64
77) Bromobenzene	11.57	156	216945	47.884	ug/l	100
78) n-propylbenzene	11.66	91	1045722	50.667	ug/l	100
79) 2-Chlorotoluene	11.79	91	642106	51.166	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	843571	54.767	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.92	75	73436	35.637	ug/l #	87
82) 4-Chlorotoluene	11.96	91	608907	43.152	ug/l	100
83) tert-Butylbenzene	12.19	119	876206	58.254	ug/l	100
84) 1,2,4-Trimethylbenzene	12.26	105	794936	51.312	ug/l	100
85) sec-Butylbenzene	12.36	105	1147514	62.975	ug/l	100
86) p-Isopropyltoluene	12.51	119	958219	58.291	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	386693	48.652	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	380820	47.369	ug/l	100
89) n-Butylbenzene	12.89	91	840717	55.701	ug/l	100
90) Hexachloroethane	12.96	117	252712	83.841	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	377659	48.163	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.68	75	35219	25.687	ug/l	100

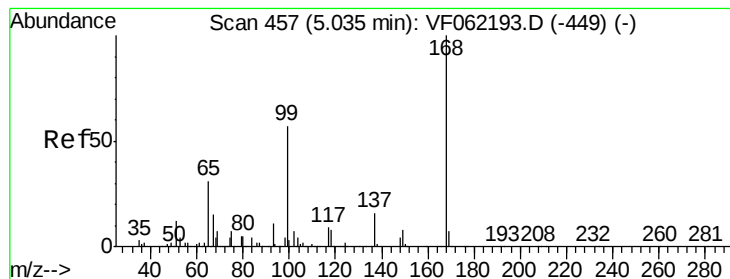
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF041719\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	316868	54.699	ug/l	100
94) Hexachlorobutadiene	14.22	225	225387	72.378	ug/l	100
95) Naphthalene	14.49	128	564398	33.103	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	320141	55.659	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

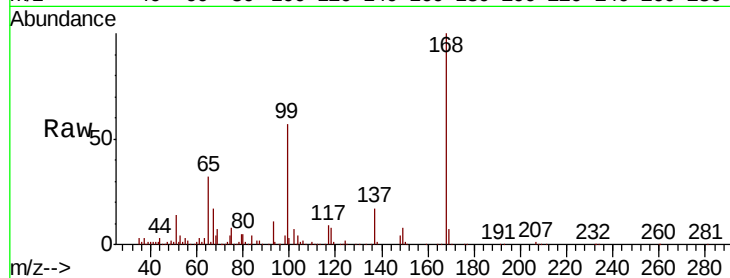
VSTDICCC050

Tot Ion:168 Resp: 410092

Ion Ratio Lower Upper

168 100

99 56.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.03

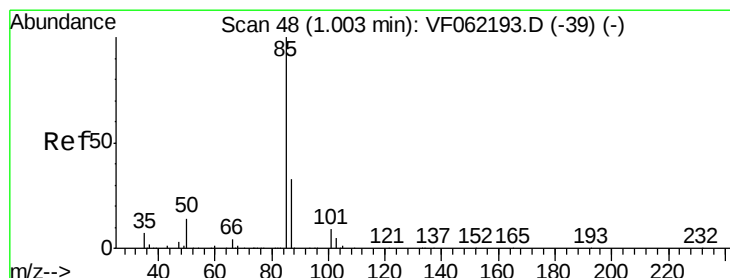
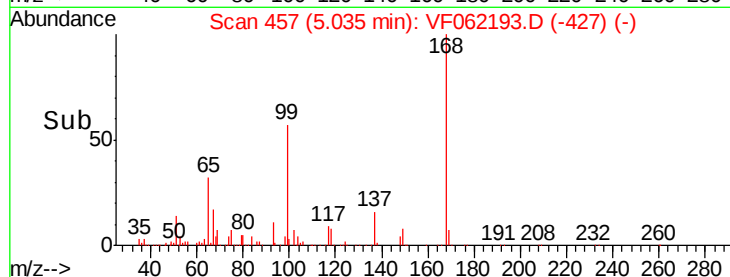
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 60.327 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062193.D

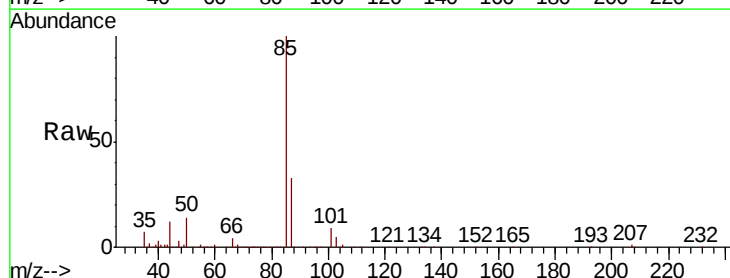
Acq: 17 Apr 2019 18:38

Tgt Ion: 85 Resp: 296716

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

80000

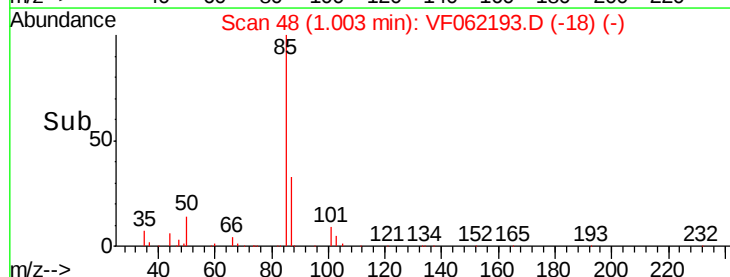
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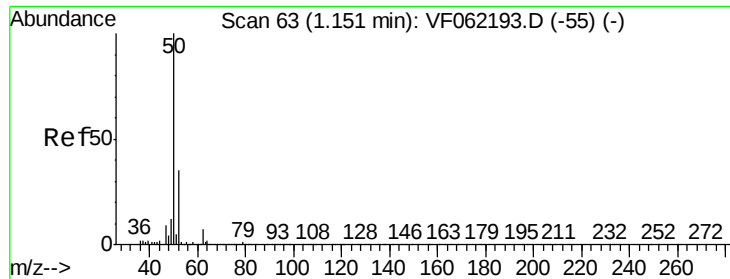
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20000

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Time-->





#3

Chloromethane

Concen: 52.018 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

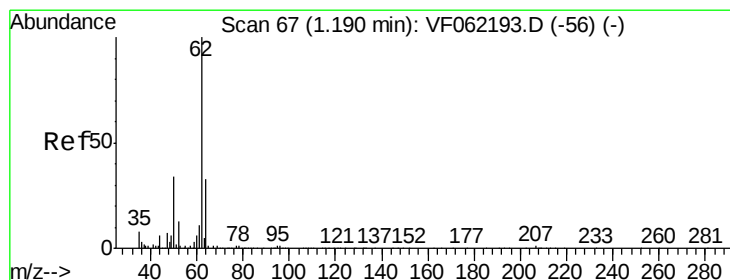
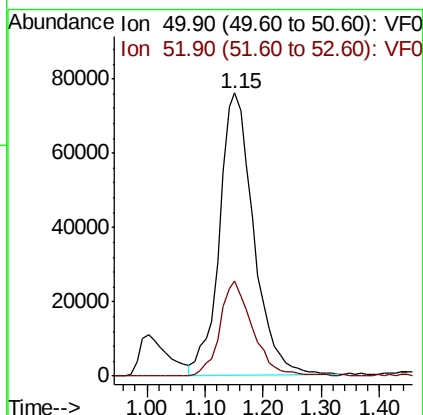
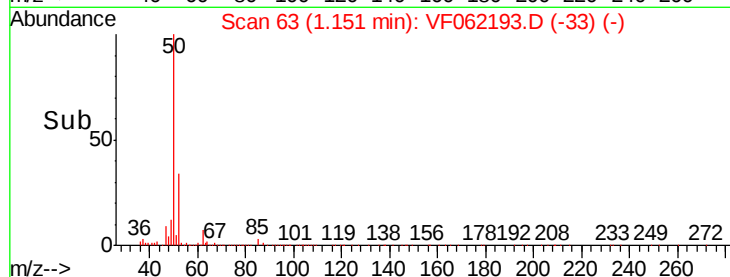
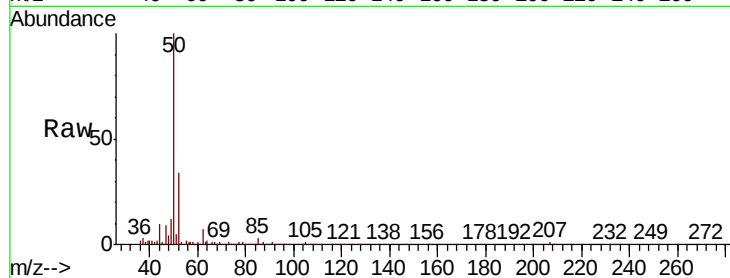
VSTDICCC050

Tot Ion: 50 Resp: 308319

Ion Ratio Lower Upper

50 100

52 33.7 27.0 40.4



#4

Vinyl Chloride

Concen: 47.901 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062193.D

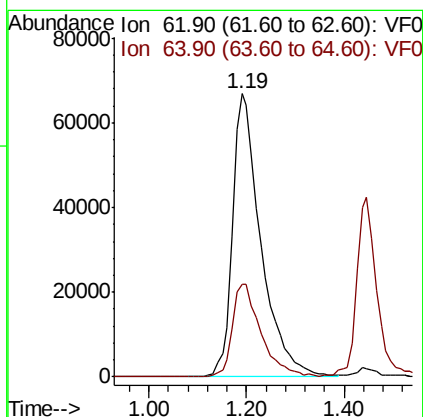
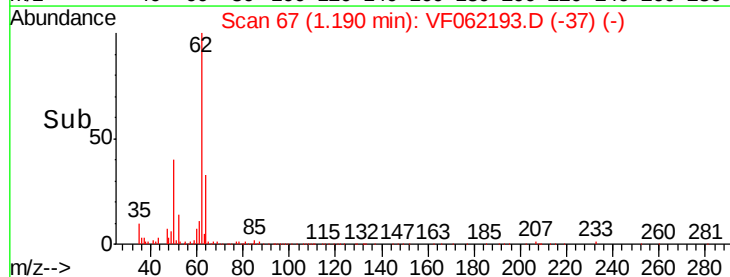
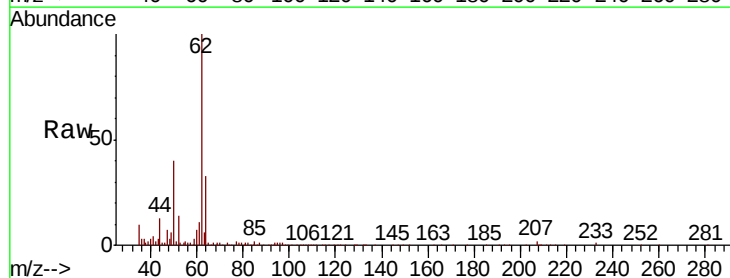
Acq: 17 Apr 2019 18:38

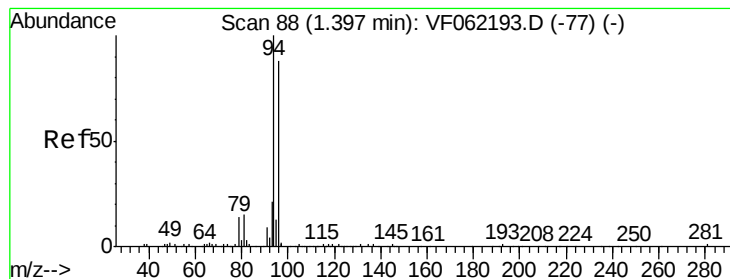
Tgt Ion: 62 Resp: 270052

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 45.081 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

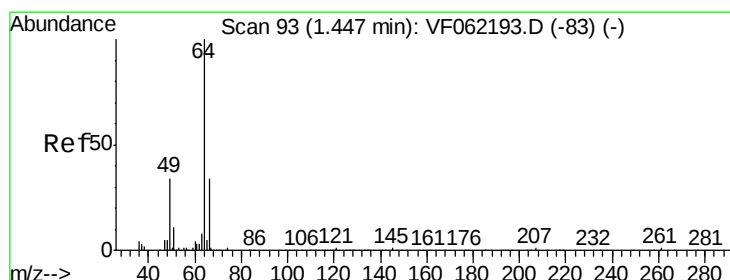
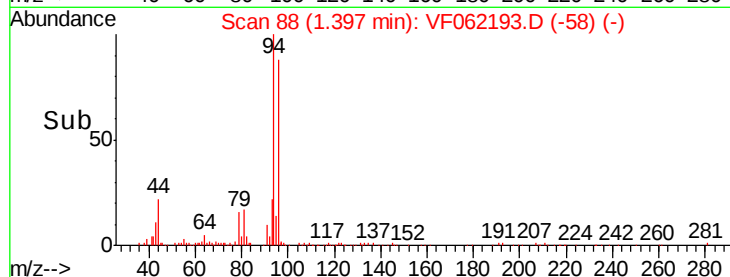
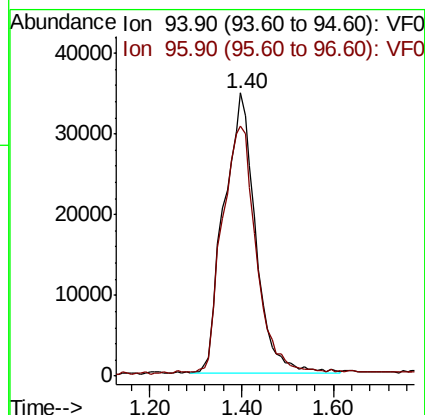
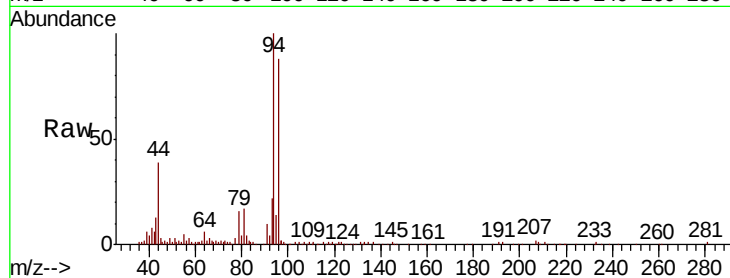
VSTDICCC050

Tot Ion: 94 Resp: 167240

Ion Ratio Lower Upper

94 100

96 87.8 70.2 105.4



#6

Chloroethane

Concen: 37.730 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF062193.D

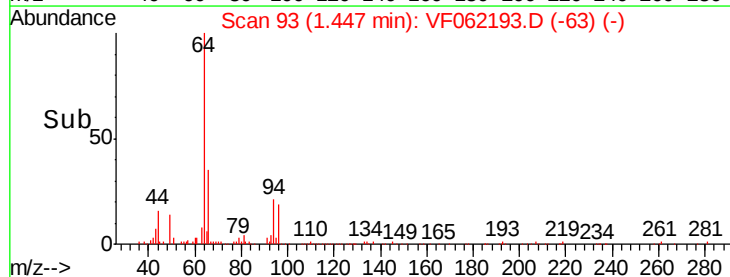
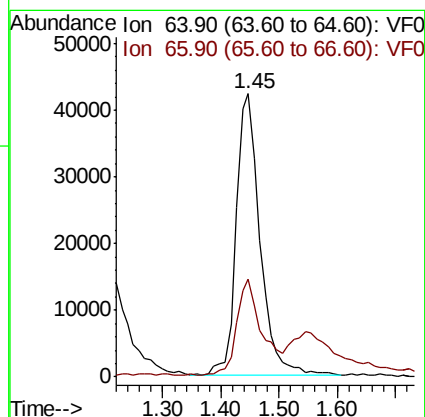
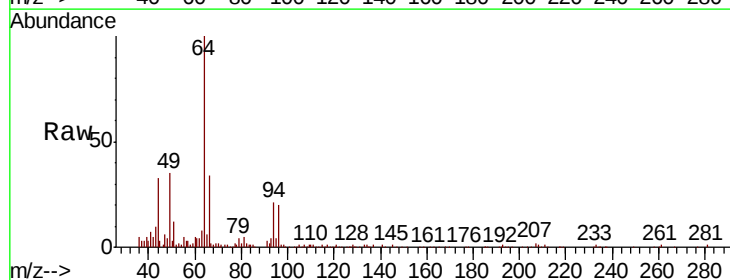
Acq: 17 Apr 2019 18:38

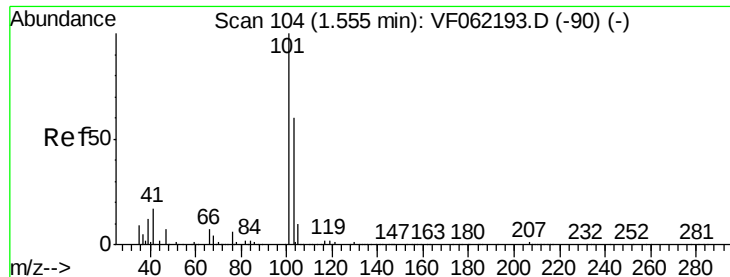
Tgt Ion: 64 Resp: 120068

Ion Ratio Lower Upper

64 100

66 33.7 27.0 40.4



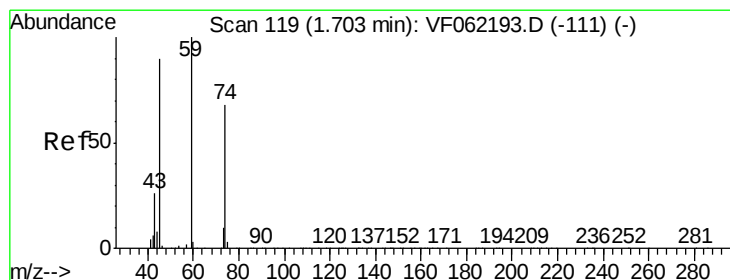
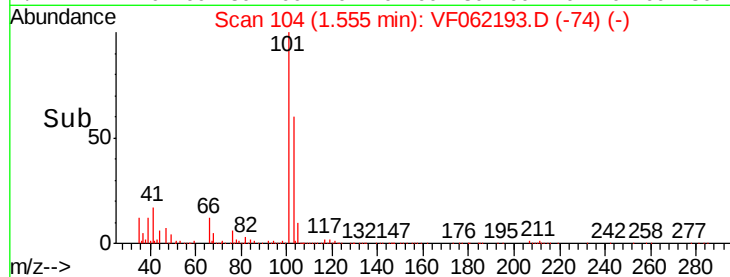
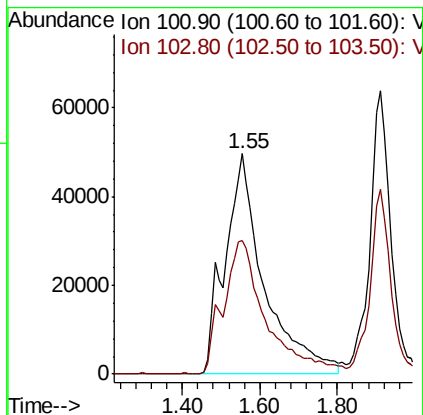
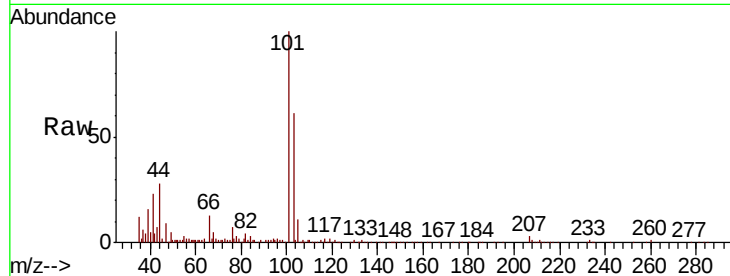


#7

Trichlorofluoromethane
Concen: 51.900 ug/l
RT: 1.55 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
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VSTDICCC050

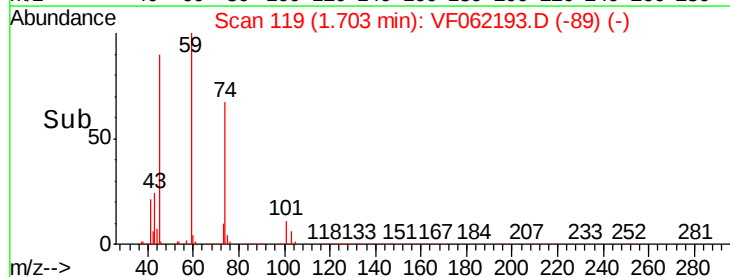
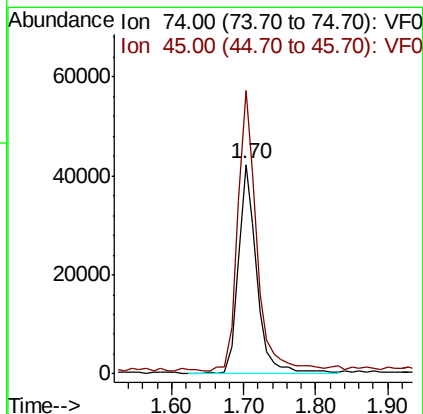
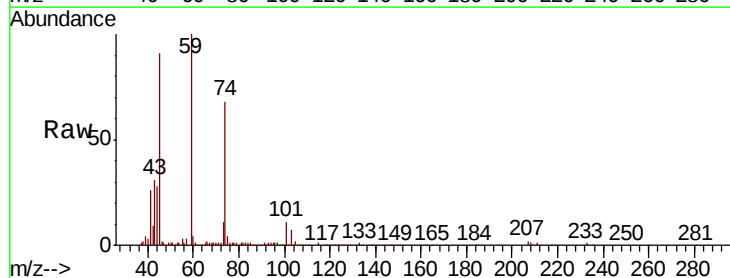
Tot Ion:101 Resp: 347551
Ion Ratio Lower Upper
101 100
103 60.3 48.2 72.4

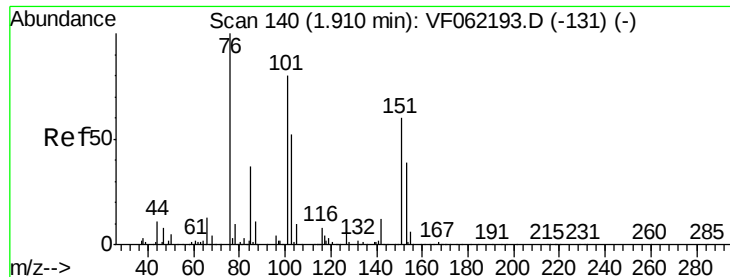


#8

Diethyl Ether
Concen: 26.652 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 74 Resp: 74446
Ion Ratio Lower Upper
74 100
45 140.1 70.0 210.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.075 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

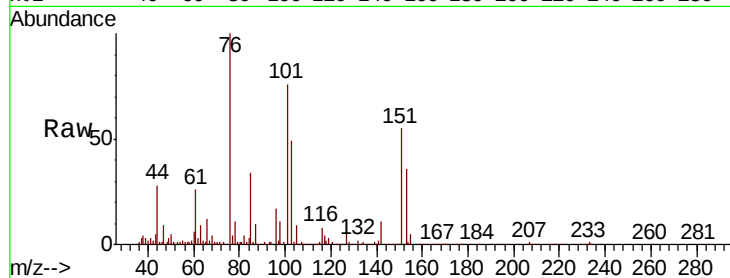
Tot Ion:101 Resp: 234752

Ion Ratio Lower Upper

101 100

85 44.1 35.3 52.9

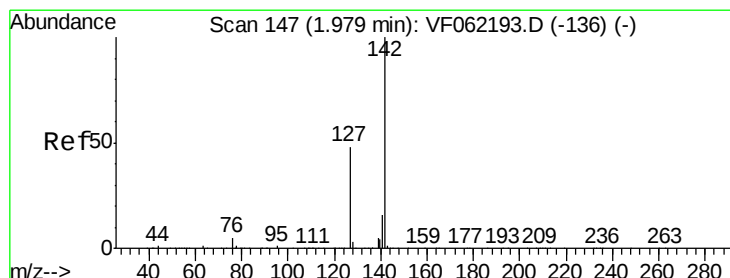
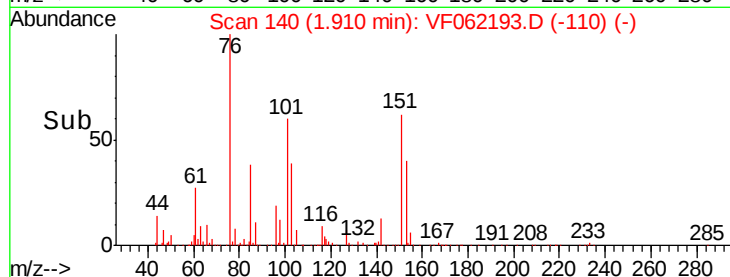
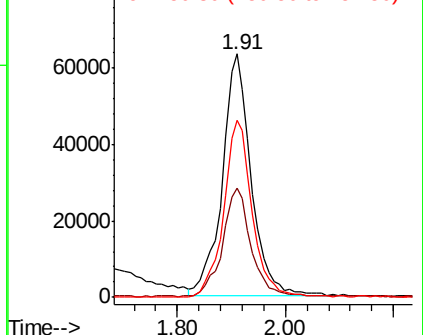
151 71.9 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 85.262 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

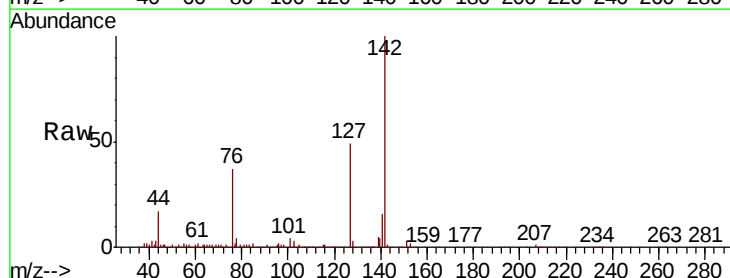
Tgt Ion:142 Resp: 427912

Ion Ratio Lower Upper

142 100

127 41.2 33.0 49.4

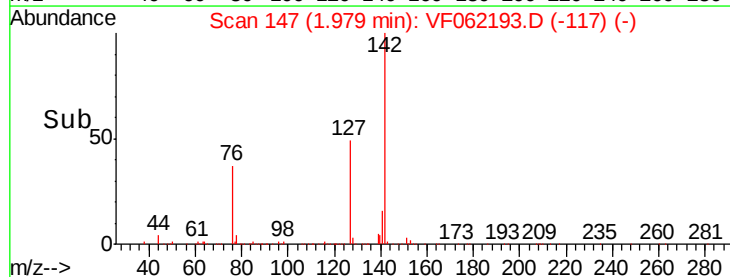
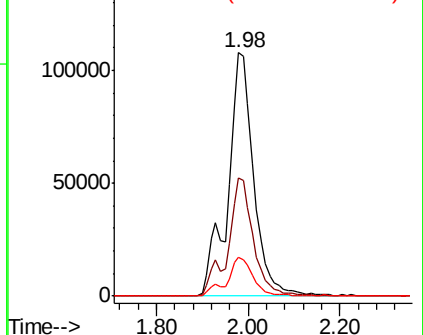
141 15.9 12.7 19.1

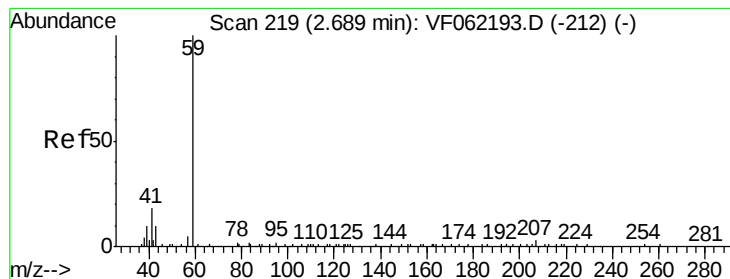


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



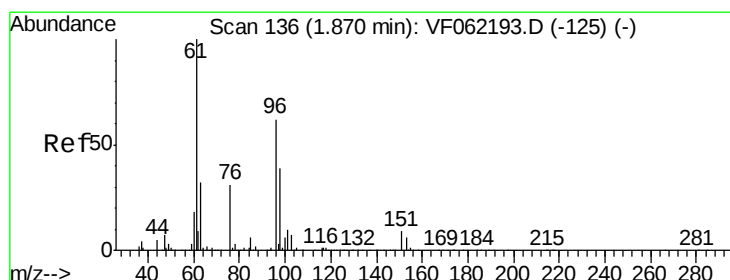
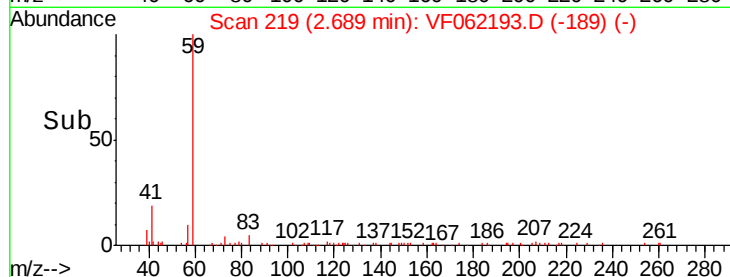
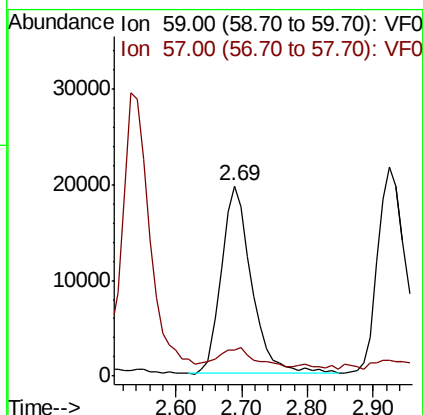
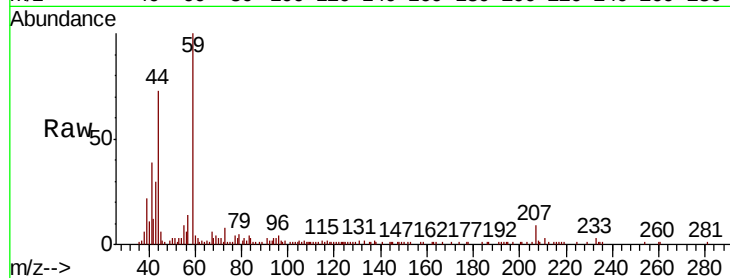


#11

Tert butyl alcohol
Concen: 57.215 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

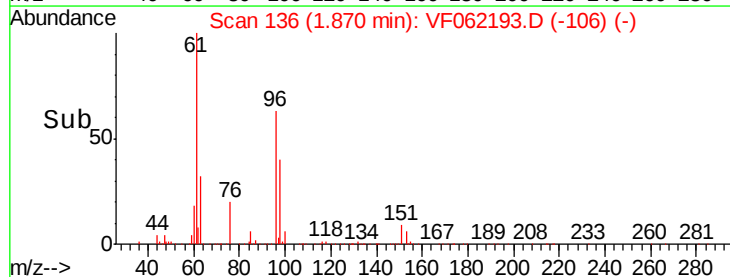
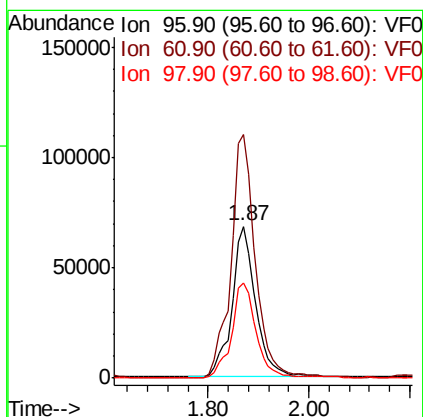
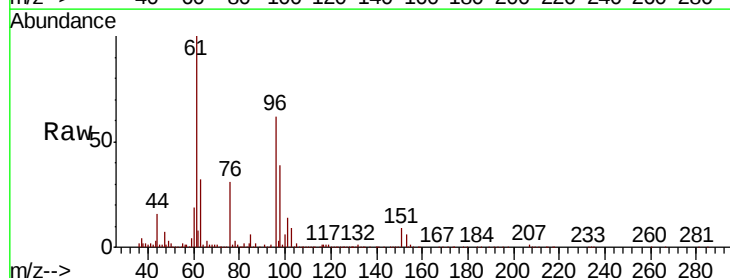
Tot Ion: 59 Resp: 62255
Ion Ratio Lower Upper
59 100
57 11.6 9.3 13.9

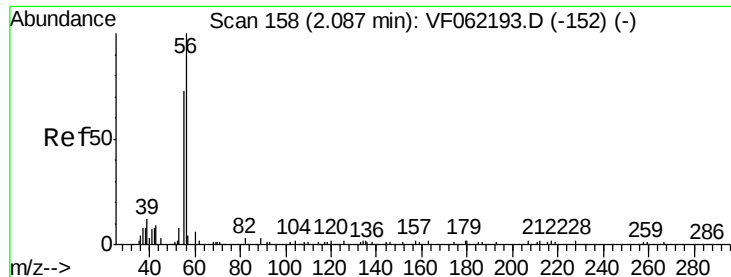


#12

1,1-Dichloroethene
Concen: 49.629 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 96 Resp: 220869
Ion Ratio Lower Upper
96 100
61 161.4 129.1 193.7
98 62.5 50.0 75.0

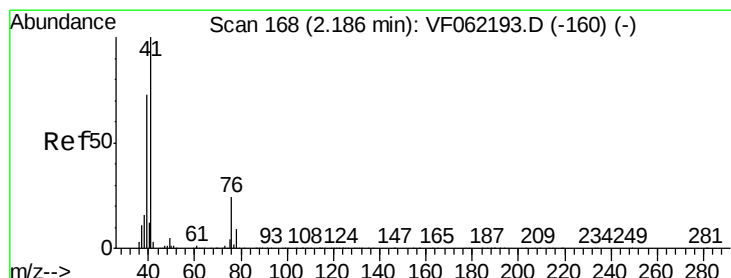
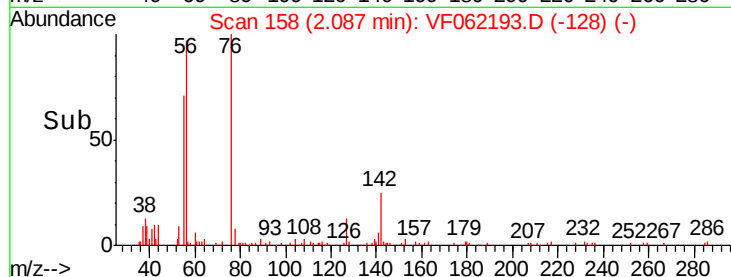
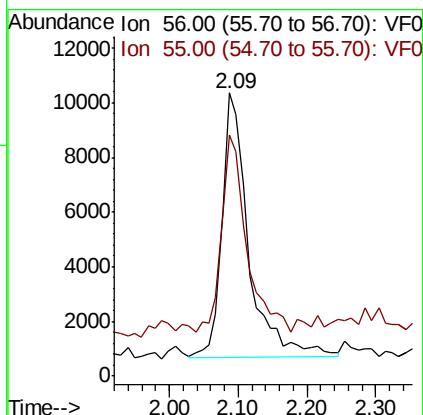
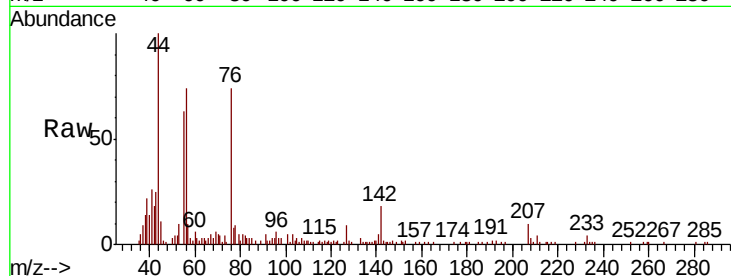




#13
Acrolein
Concen: 28.693 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

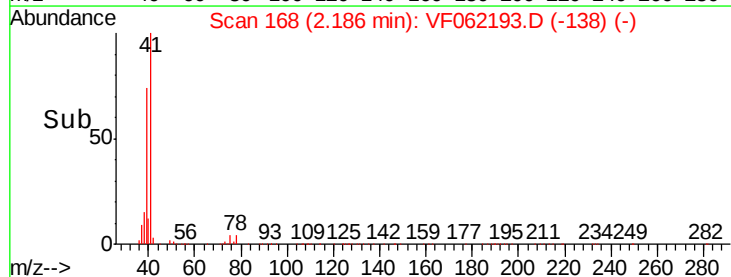
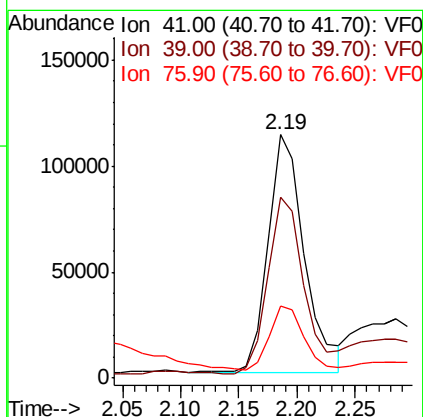
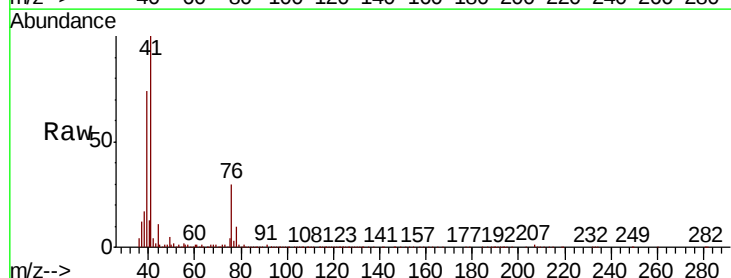
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

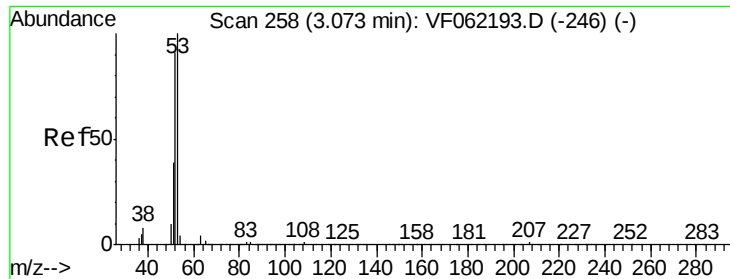
Tot Ion: 56 Resp: 26023
Ion Ratio Lower Upper
56 100
55 71.7 57.4 86.0



#14
Allyl chloride
Concen: 27.658 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 41 Resp: 244673
Ion Ratio Lower Upper
41 100
39 75.0 60.0 90.0
76 25.7 20.6 30.8





#15

Acrylonitrile

Concen: 67.208 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

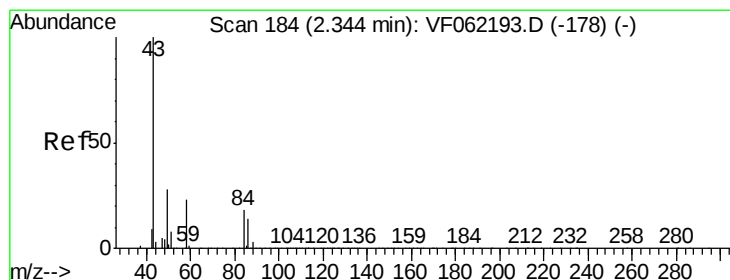
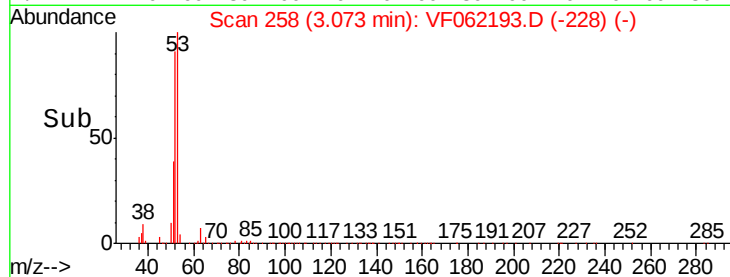
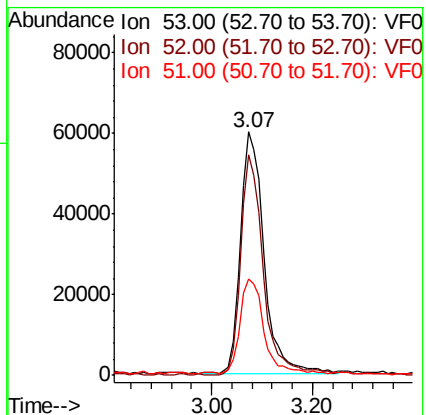
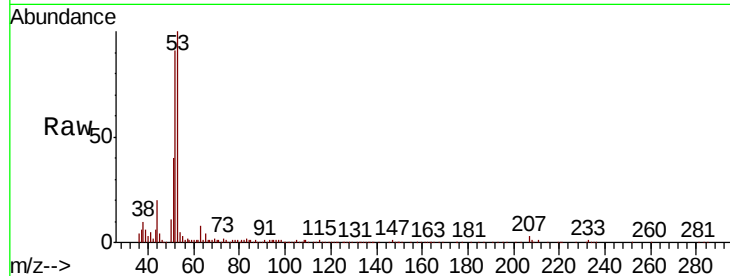
Tot Ion: 53 Resp: 192656

Ion Ratio Lower Upper

53 100

52 86.9 69.5 104.3

51 39.8 31.8 47.8



#16

Acetone

Concen: 83.693 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF062193.D

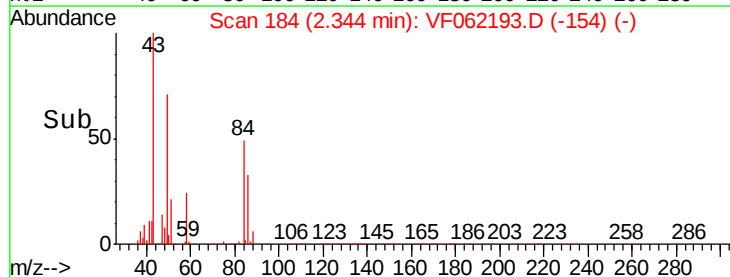
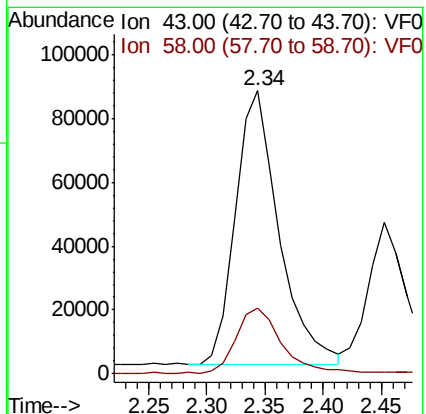
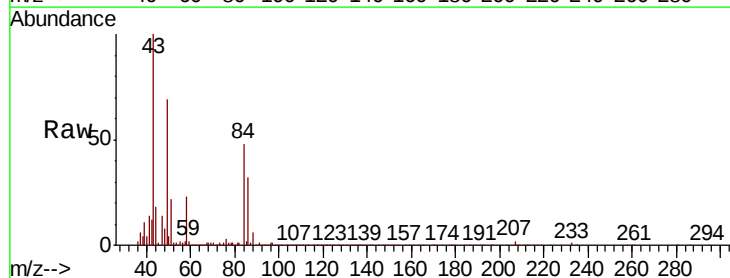
Acq: 17 Apr 2019 18:38

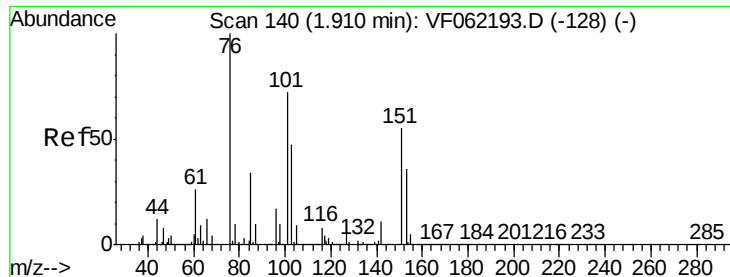
Tgt Ion: 43 Resp: 222604

Ion Ratio Lower Upper

43 100

58 23.5 18.8 28.2

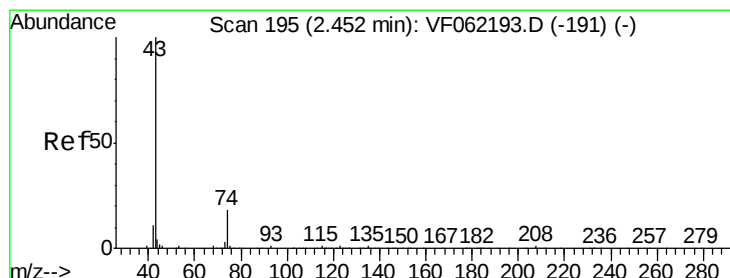
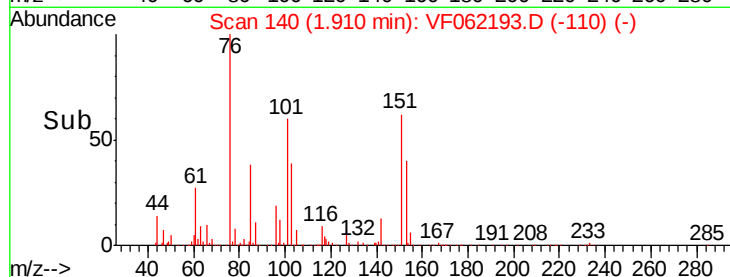
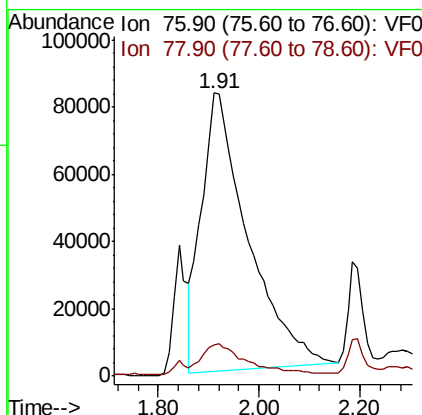
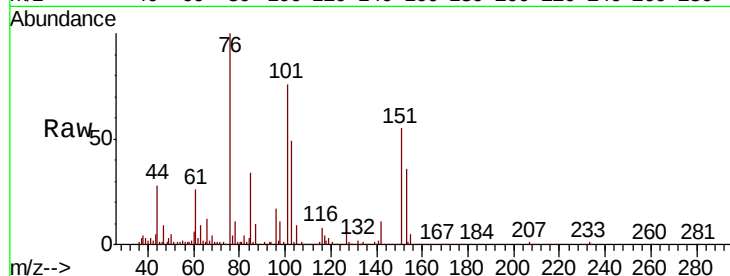




#17
Carbon Disulfide
Concen: 38.709 ug/l
RT: 1.91 min Scan# 140
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

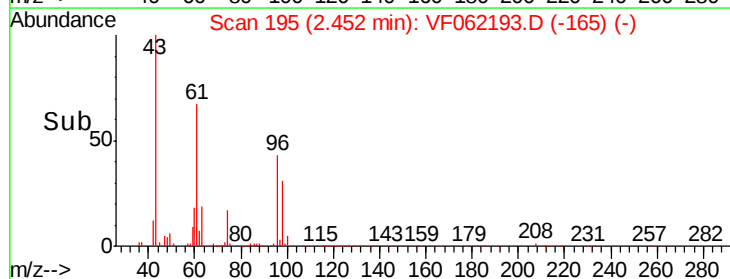
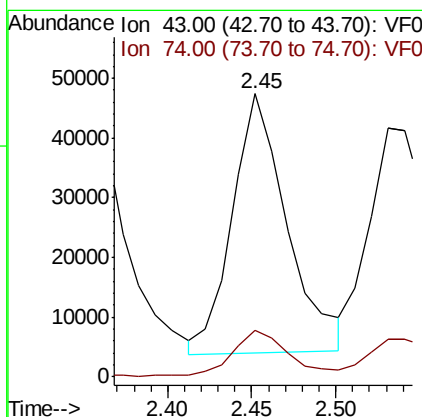
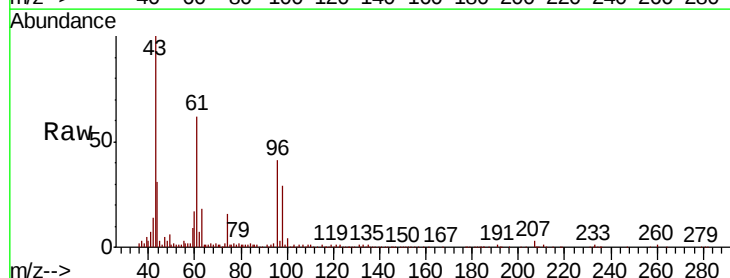
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

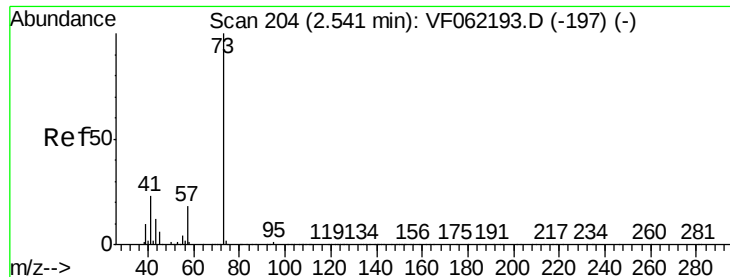
Tot Ion: 76 Resp: 533022
Ion Ratio Lower Upper
76 100
78 10.4 8.7 13.1



#18
Methyl Acetate
Concen: 14.654 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 43 Resp: 97949
Ion Ratio Lower Upper
43 100
74 18.1 14.5 21.7



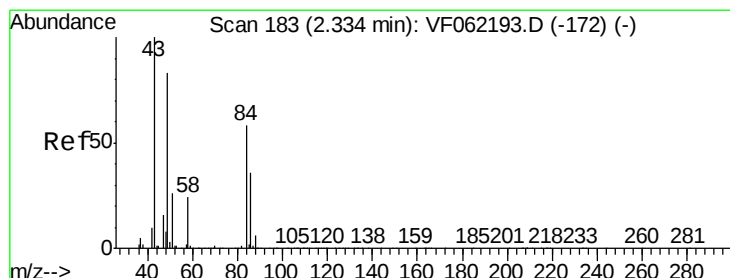
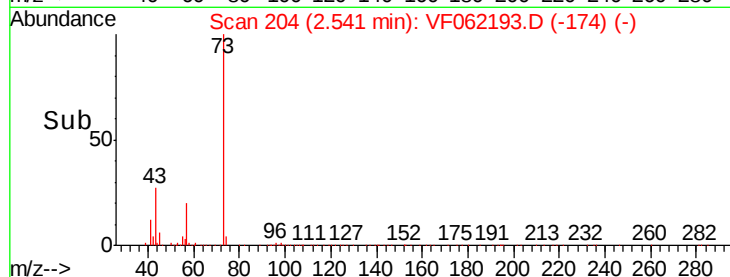
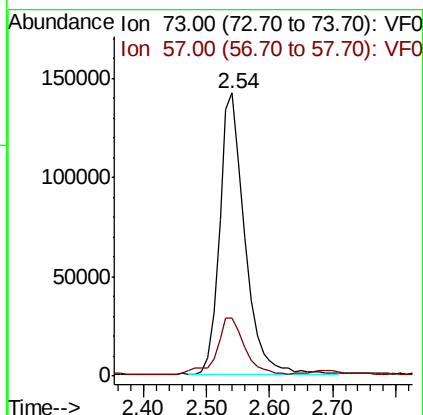
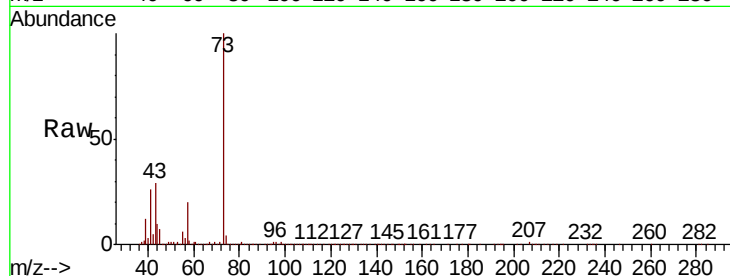


#19

Methyl tert-butyl Ether
 Concen: 27.224 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

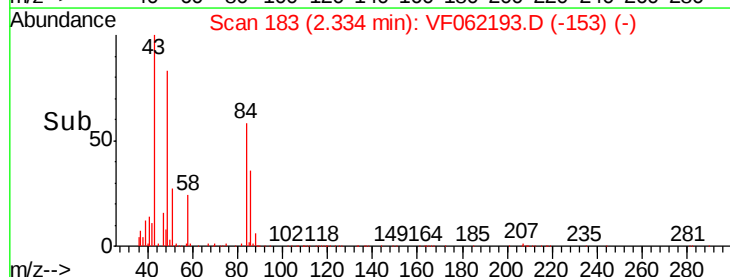
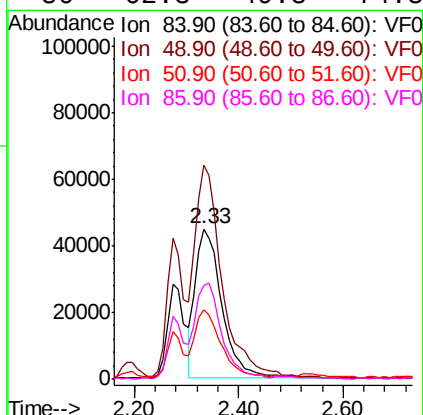
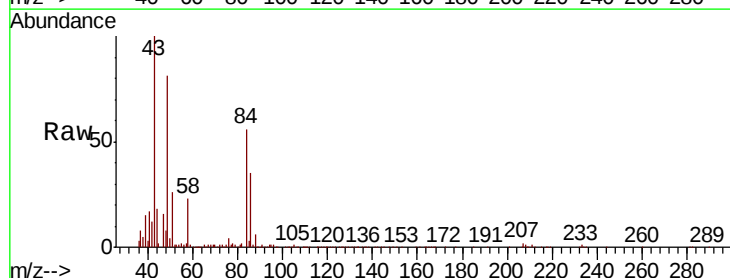
Tot Ion: 73 Resp: 394578
 Ion Ratio Lower Upper
 73 100
 57 18.9 15.1 22.7

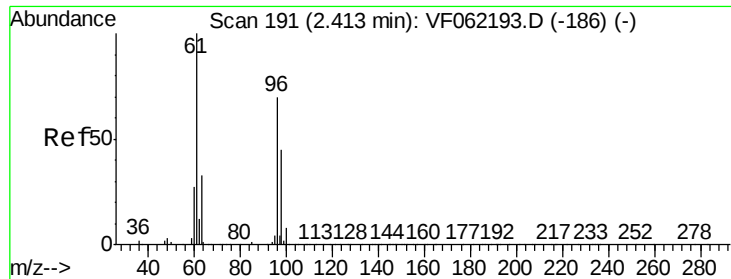


#20

Methylene Chloride
 Concen: 31.078 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion: 84 Resp: 158858
 Ion Ratio Lower Upper
 84 100
 49 142.6 114.0 171.0
 51 45.0 37.0 55.4
 86 62.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.780 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

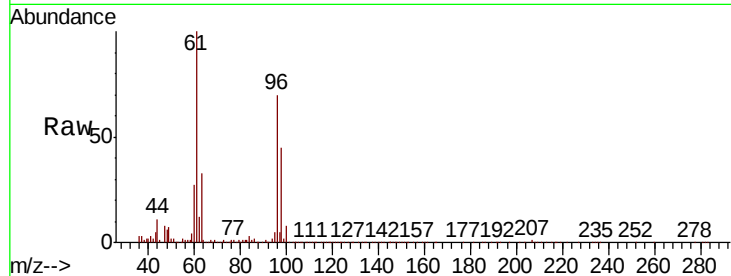
Tot Ion: 96 Resp: 225257

Ion Ratio Lower Upper

96 100

61 143.3 114.6 172.0

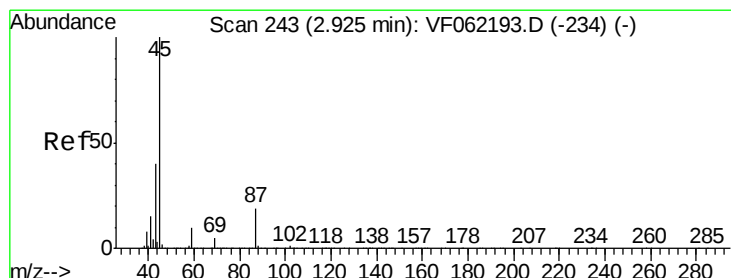
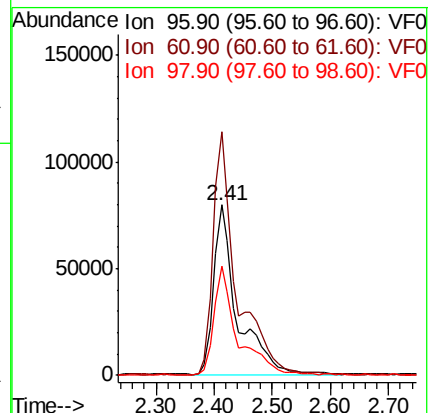
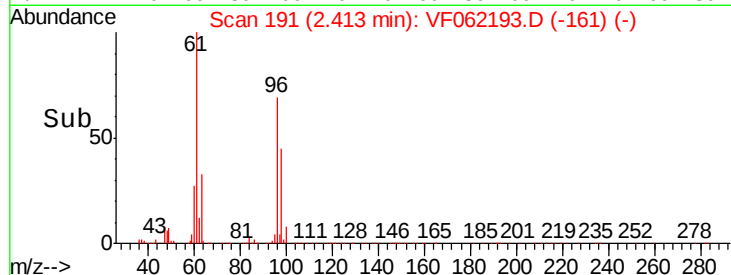
98 64.0 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 36.266 ug/l

RT: 2.93 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion: 45 Resp: 647062

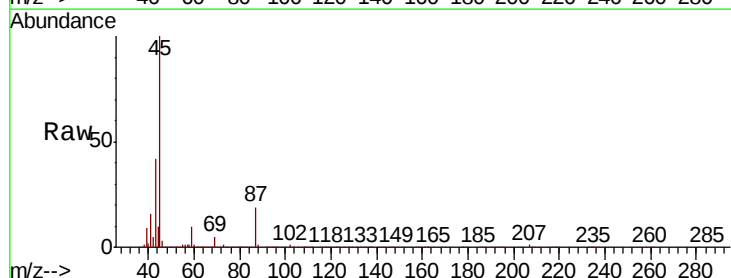
Ion Ratio Lower Upper

45 100

43 41.0 32.8 49.2

87 19.0 15.2 22.8

59 9.7 7.8 11.6

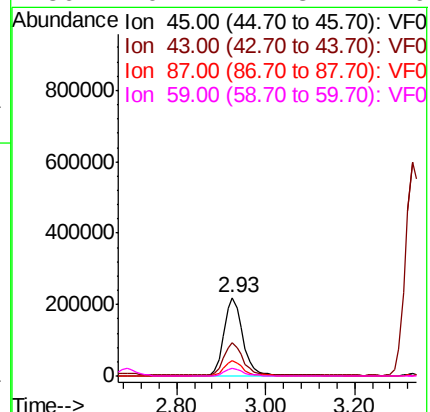
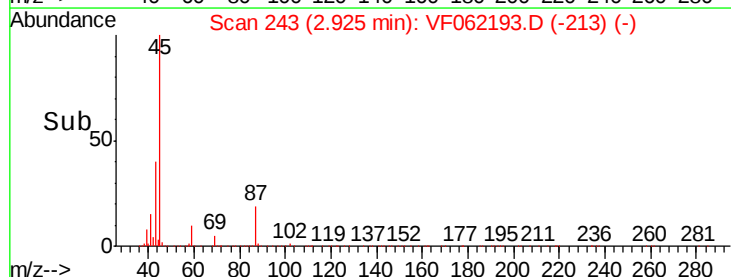


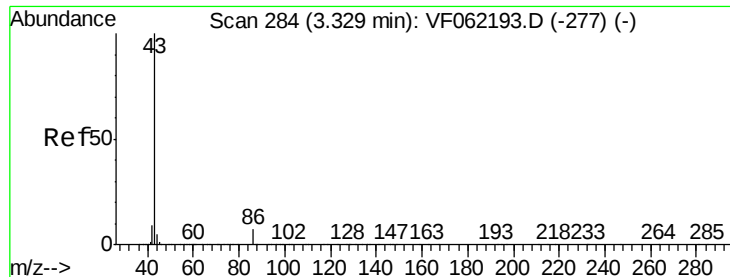
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 112.659 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

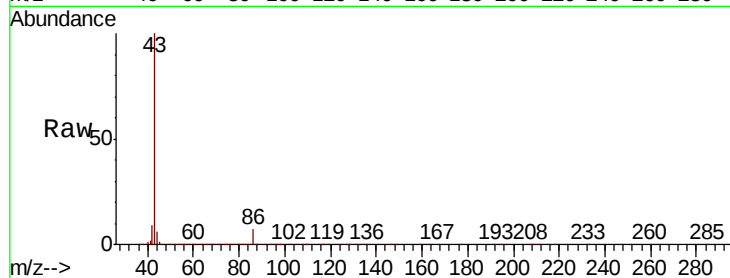
VSTDICCC050

Tot Ion: 43 Resp: 1666166

Ion Ratio Lower Upper

43 100

86 7.4 5.9 8.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

600000

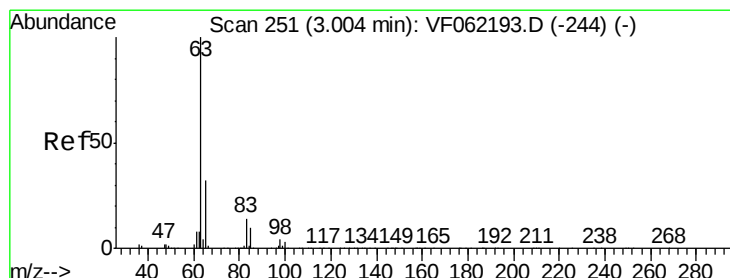
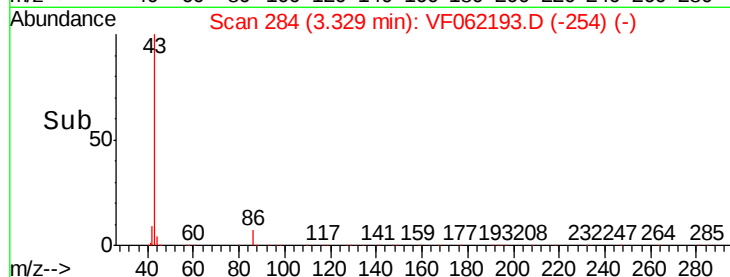
400000

200000

0

Time-->

3.20 3.40 3.60



#24

1,1-Dichloroethane

Concen: 37.987 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

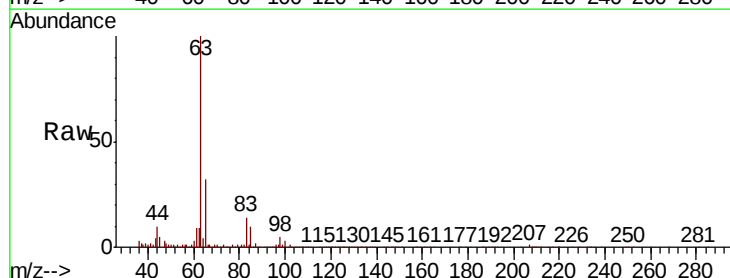
Tgt Ion: 63 Resp: 343509

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

100 3.3 1.7 5.0



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

150000

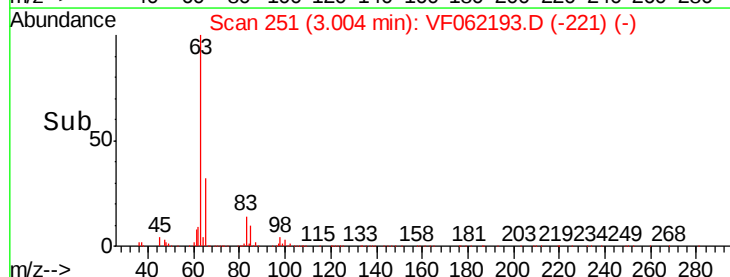
100000

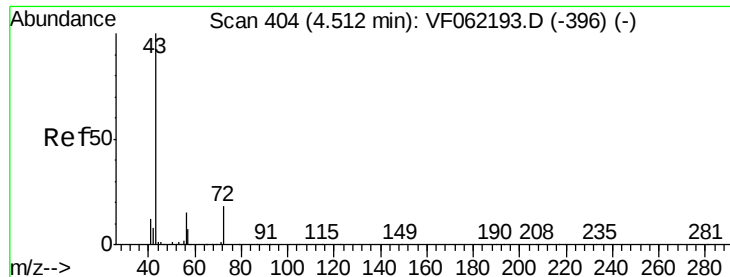
50000

0

Time-->

2.90 3.00 3.10





#25

2-Butanone

Concen: 102.252 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

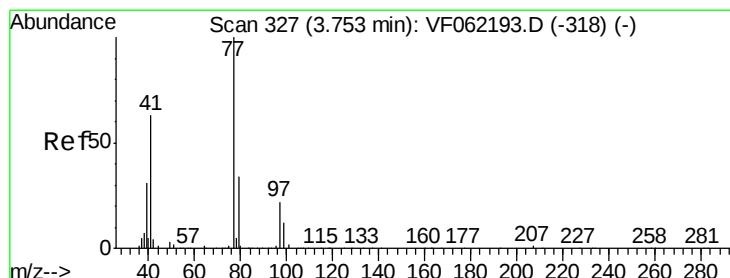
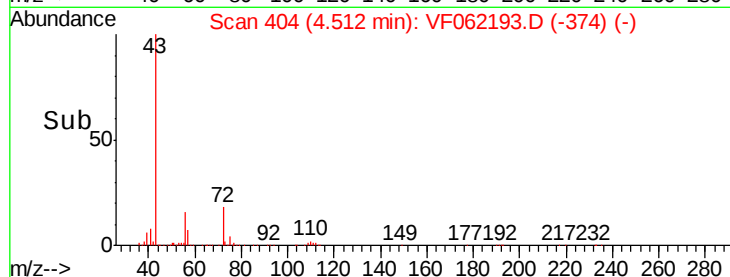
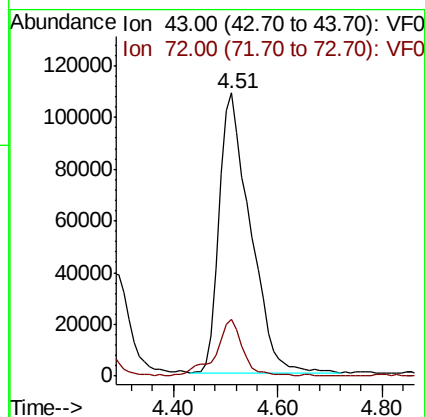
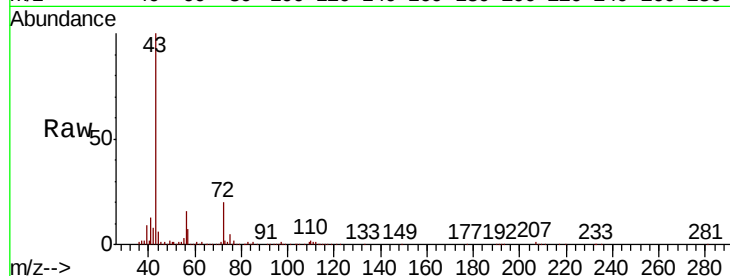
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 439643

Ion Ratio Lower Upper

43 100

72 20.1 16.1 24.1



#26

2,2-Dichloropropane

Concen: 26.261 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF062193.D

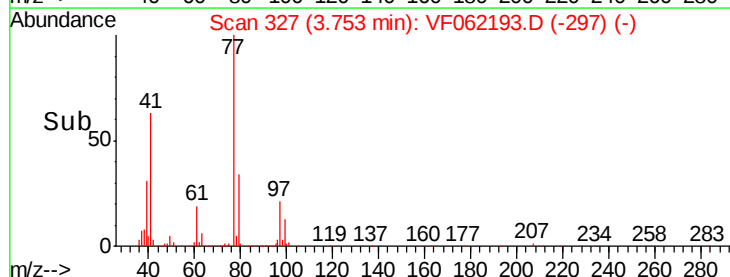
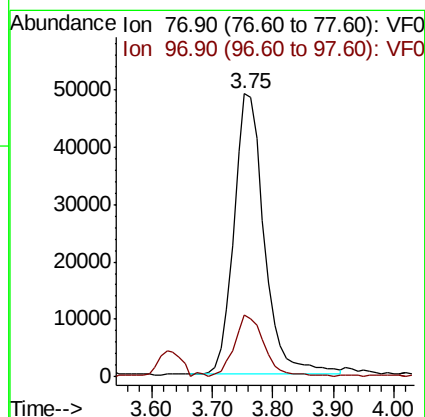
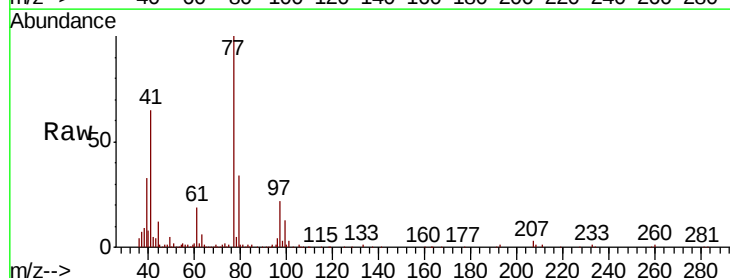
Acq: 17 Apr 2019 18:38

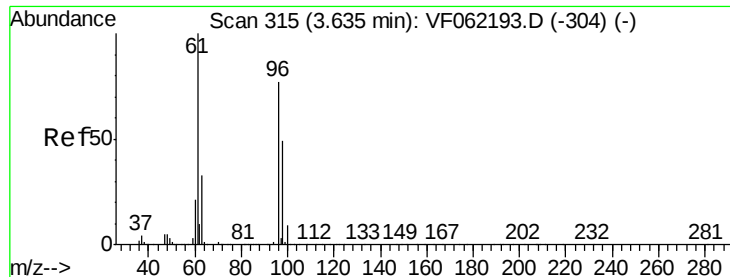
Tgt Ion: 77 Resp: 170017

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3



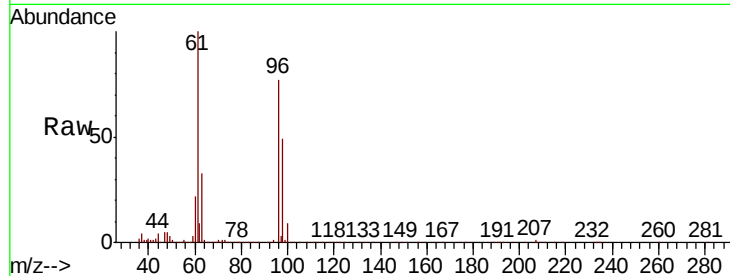


#27

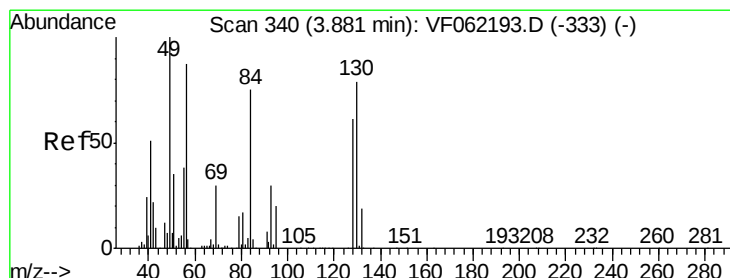
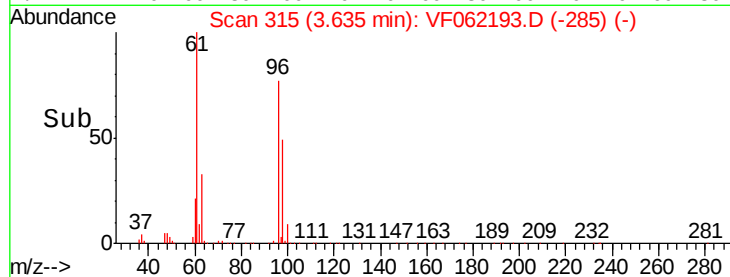
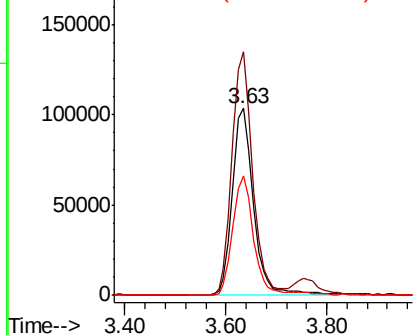
cis-1,2-Dichloroethene
Concen: 53.968 ug/l
RT: 3.63 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	253.6
98	62.4	0.0	124.8



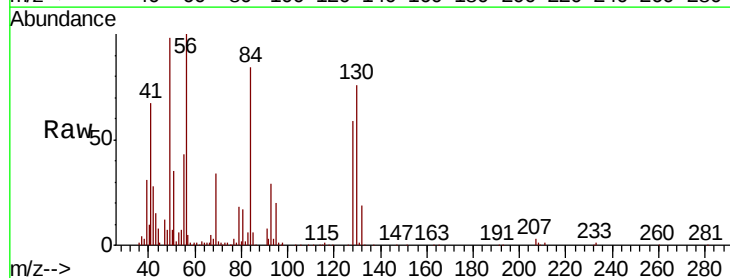
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



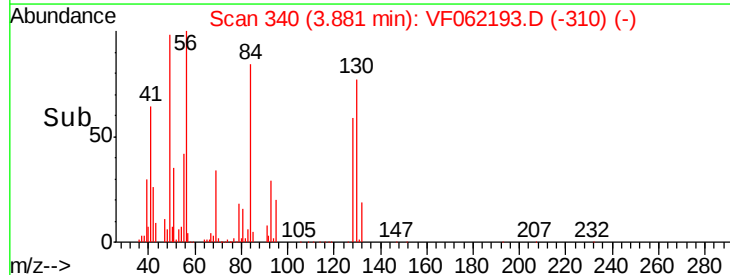
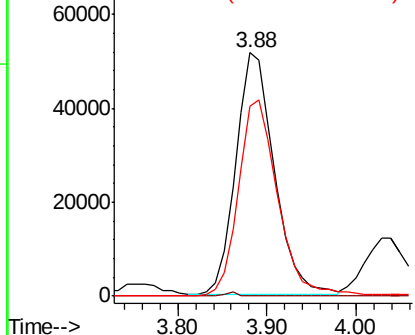
#28

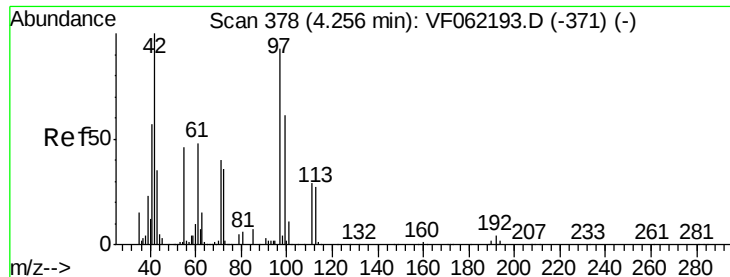
Bromochloromethane
Concen: 36.683 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	83.3	66.6	100.0



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 70.878 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

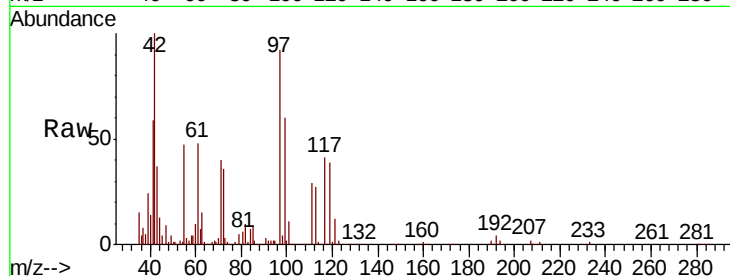
Tot Ion: 42 Resp: 200599

Ion Ratio Lower Upper

42 100

72 35.9 28.6 43.0

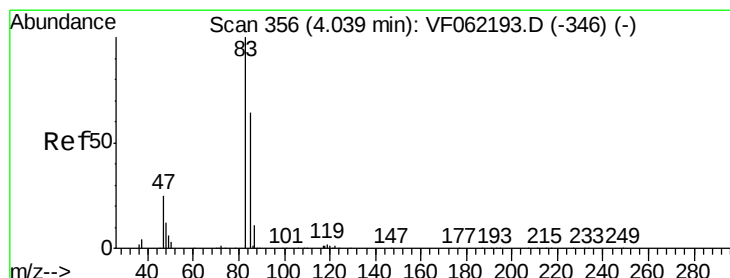
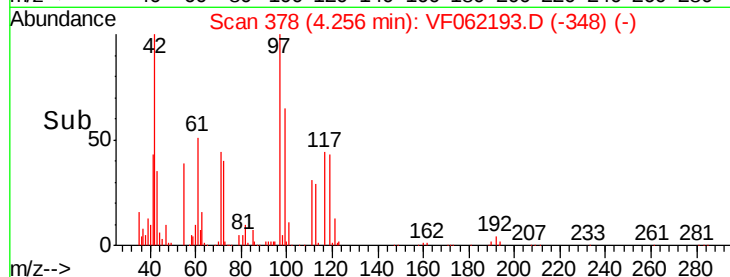
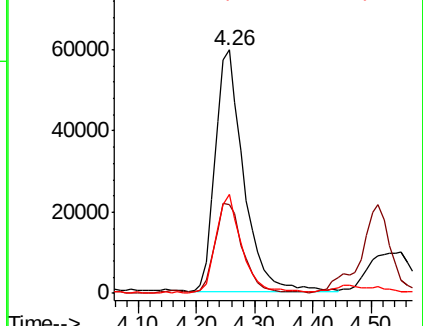
71 36.5 29.2 43.8



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 52.120 ug/l

RT: 4.04 min Scan# 356

Delta R.T. 0.00 min

Lab File: VF062193.D

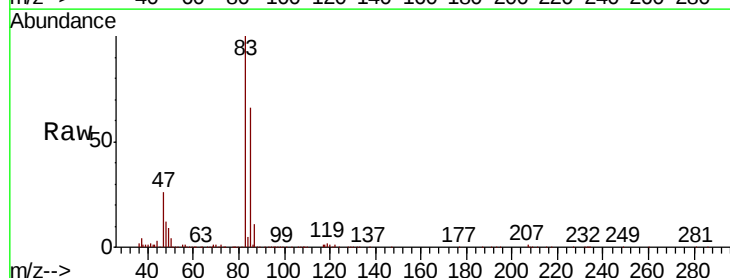
Acq: 17 Apr 2019 18:38

Tgt Ion: 83 Resp: 444941

Ion Ratio Lower Upper

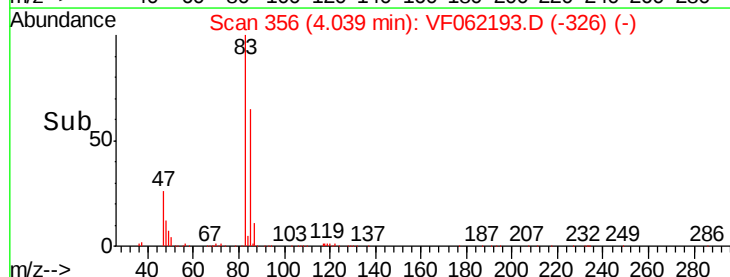
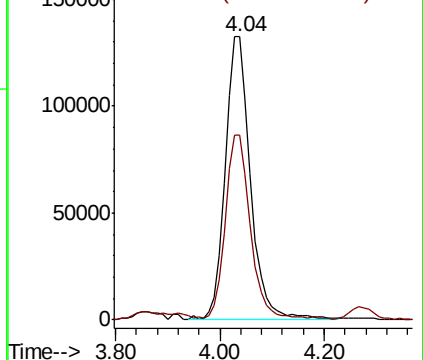
83 100

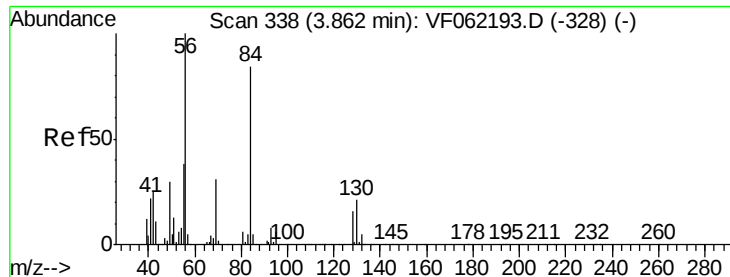
85 64.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

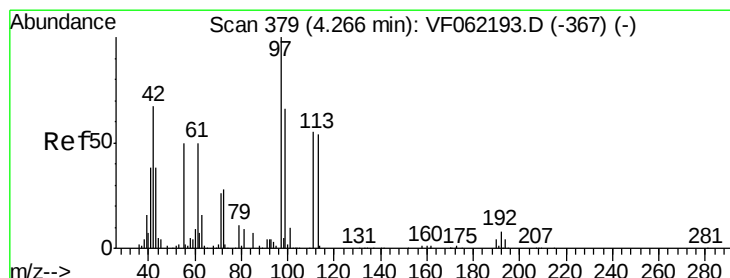
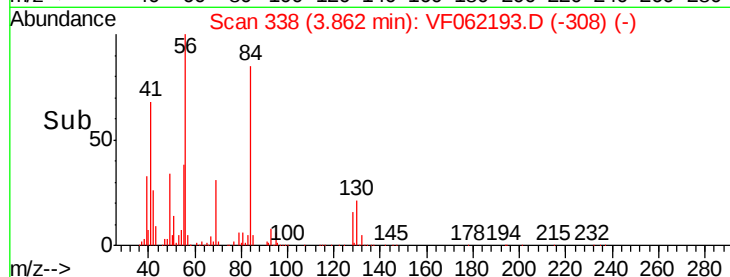
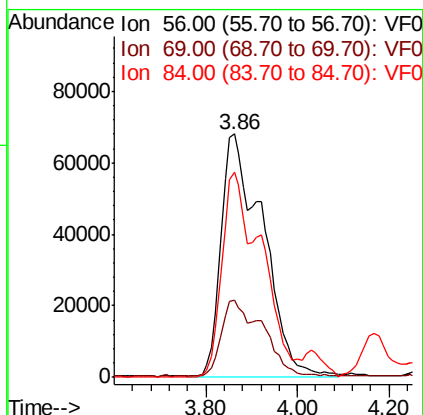
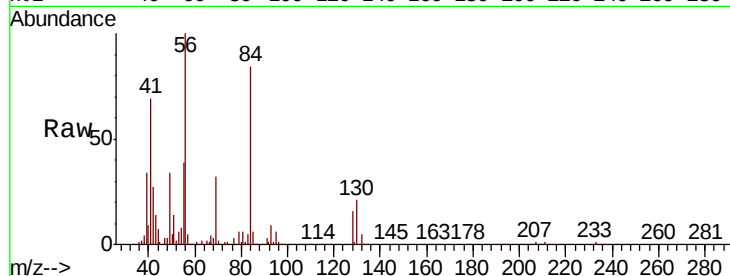




#31
Cyclohexane
Concen: 46.567 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

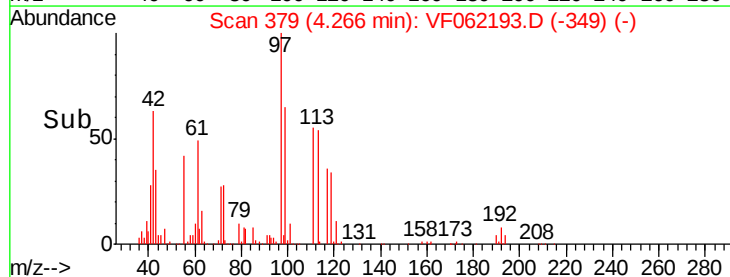
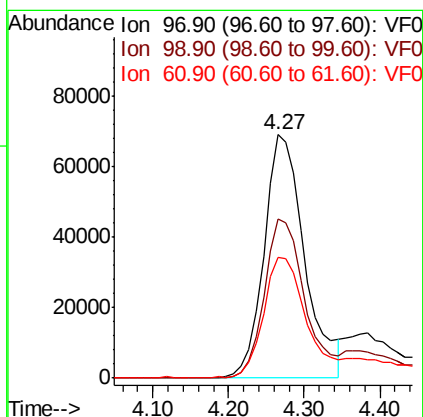
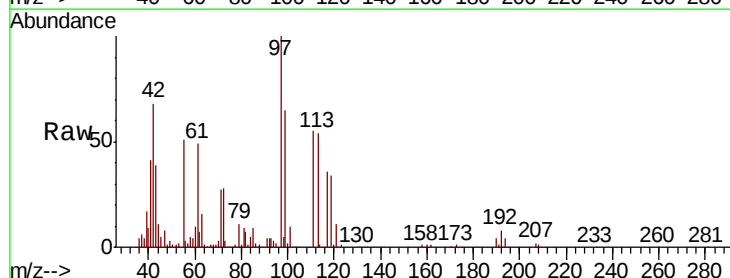
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

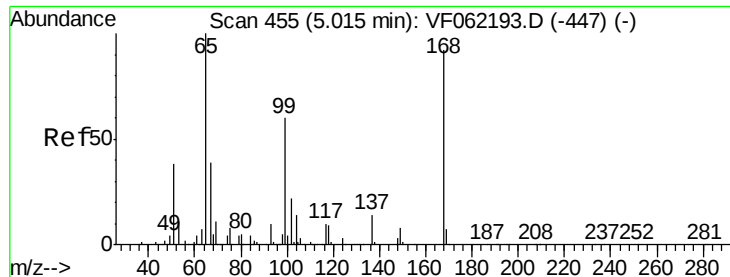
Tot Ion: 56 Resp: 427018
Ion Ratio Lower Upper
56 100
69 31.4 25.1 37.7
84 84.7 67.8 101.6



#32
1,1,1-Trichloroethane
Concen: 38.382 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 97 Resp: 256498
Ion Ratio Lower Upper
97 100
99 65.9 52.7 79.1
61 66.2 53.0 79.4

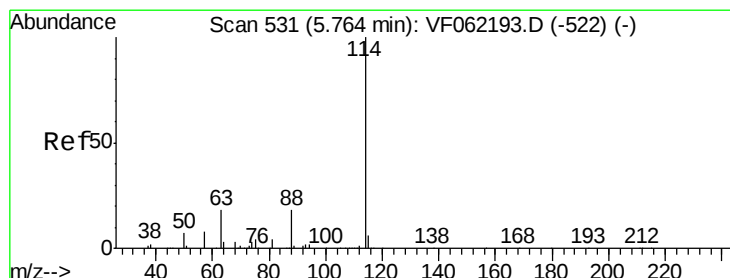
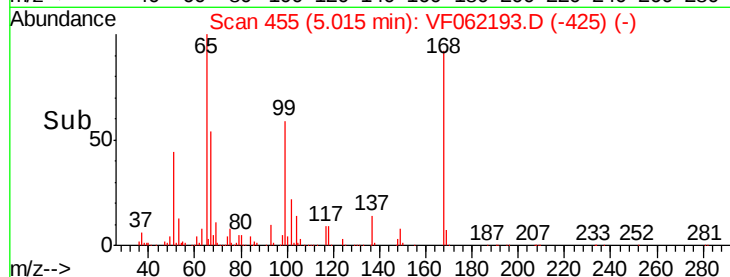
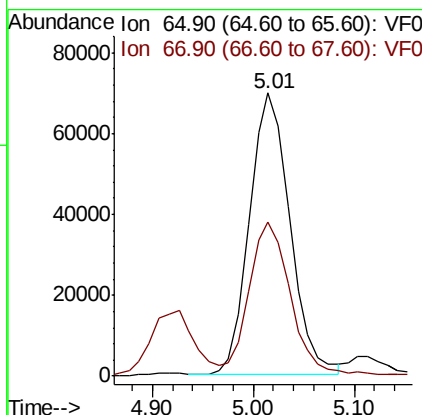
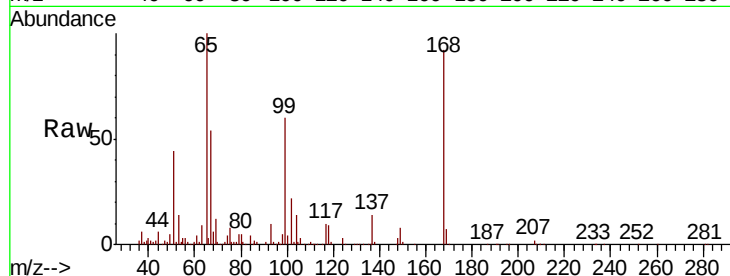




#33
 1,2-Dichloroethane-d4
 Concen: 35.627 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

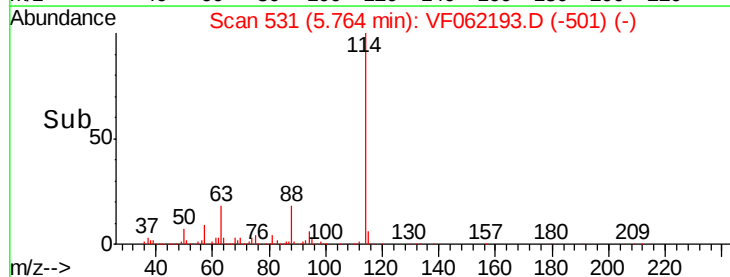
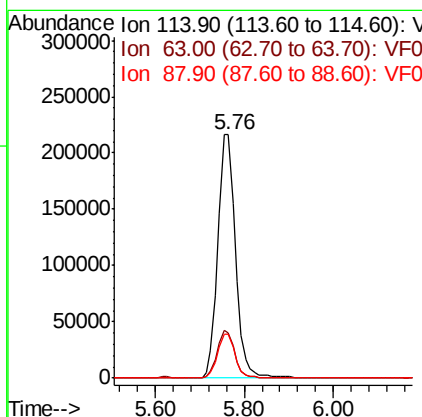
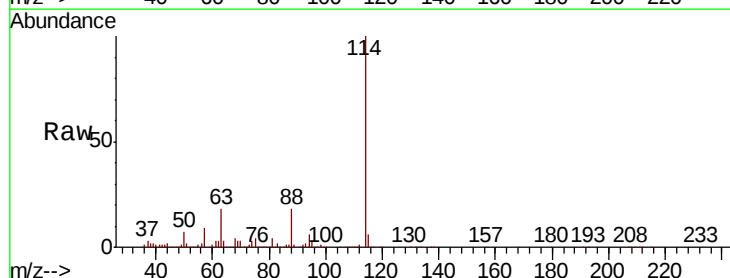
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

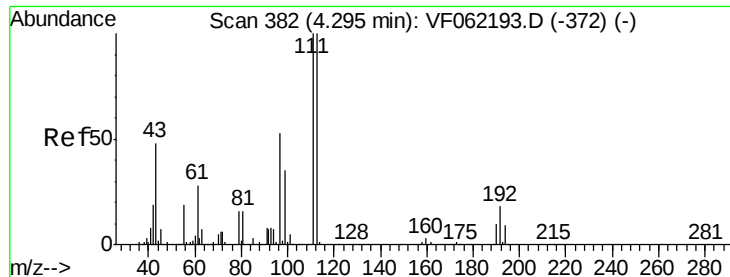
Tot Ion: 65 Resp: 194617
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion: 114 Resp: 597159
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 36.6
 88 17.9 0.0 35.8

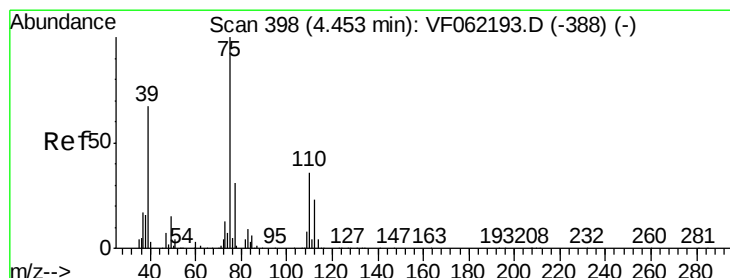
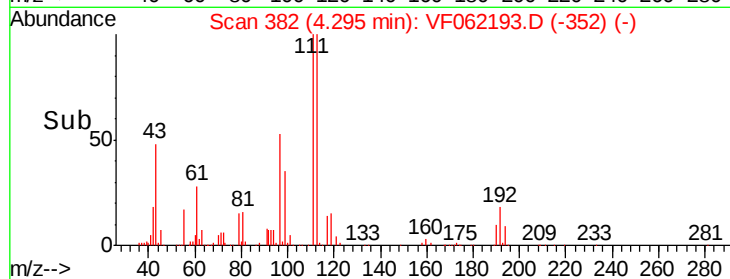
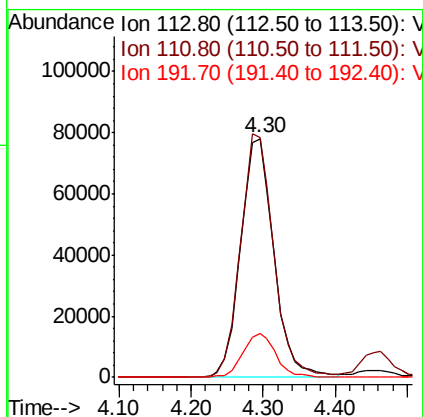
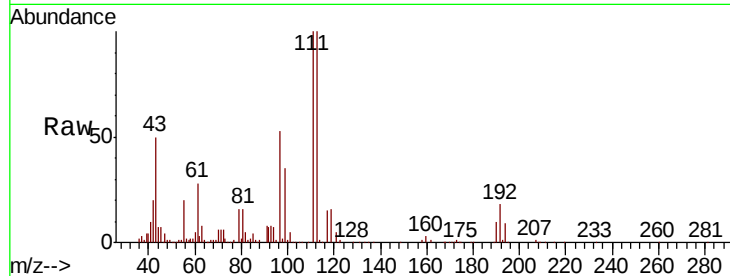




#35
 Dibromofluoromethane
 Concen: 61.371 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

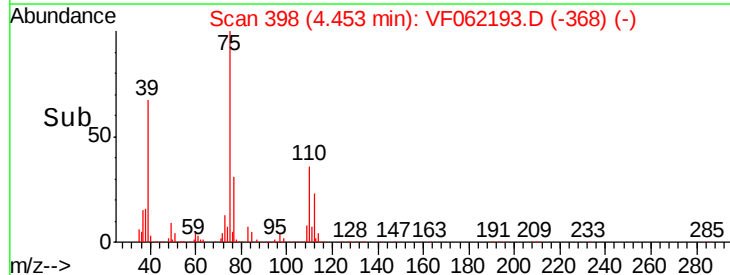
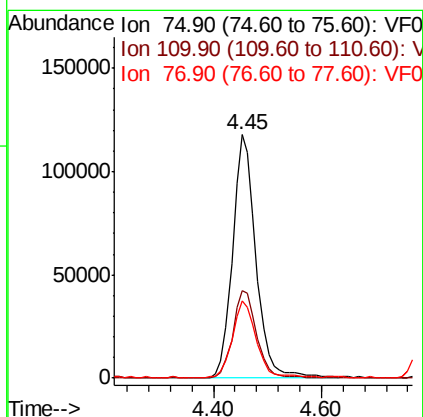
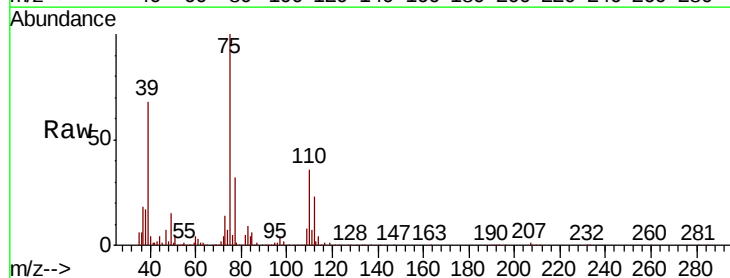
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

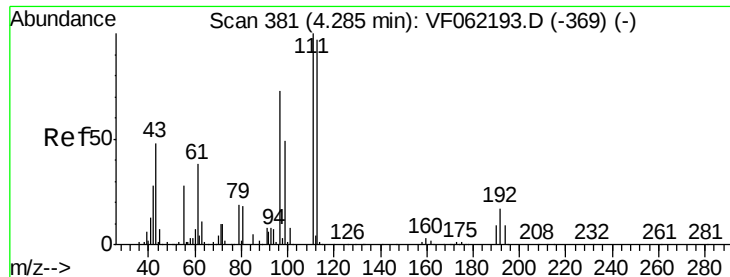
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.1	121.7
192	18.4	14.7	22.1



#36
 1,1-Dichloropropene
 Concen: 55.459 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.4	55.2
77	31.8	25.4	38.2

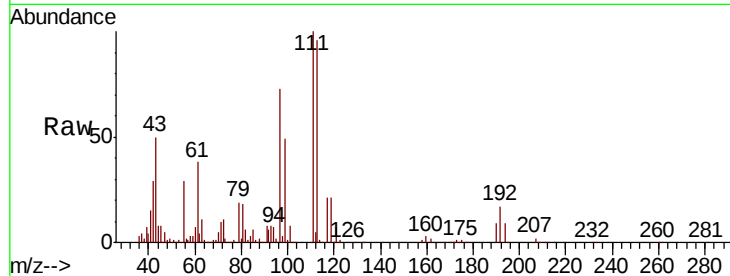




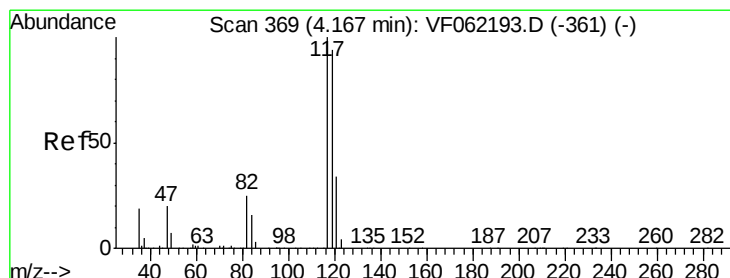
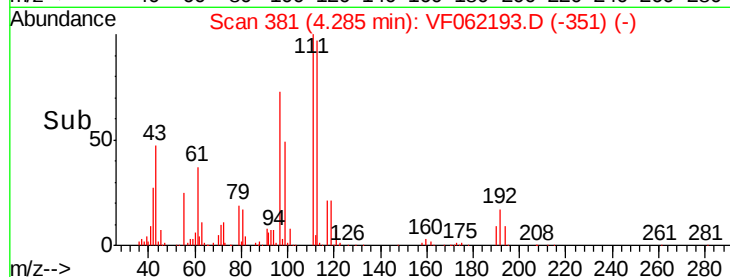
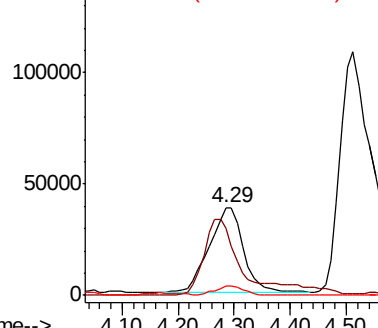
#37
Ethyl Acetate
Concen: 22.777 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 163093
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 9.7 7.8 11.6

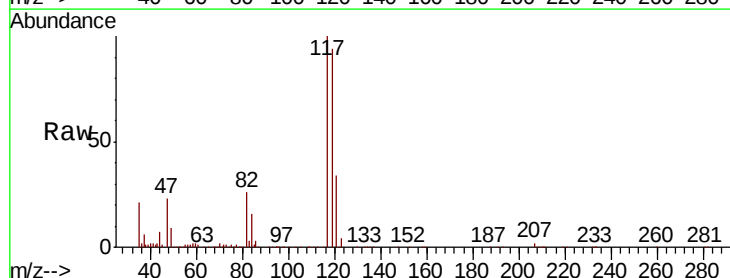


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

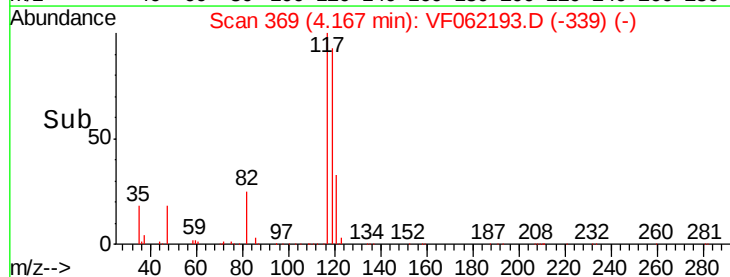
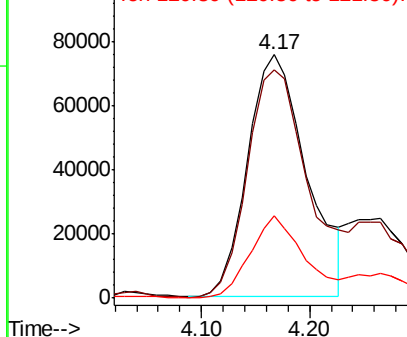


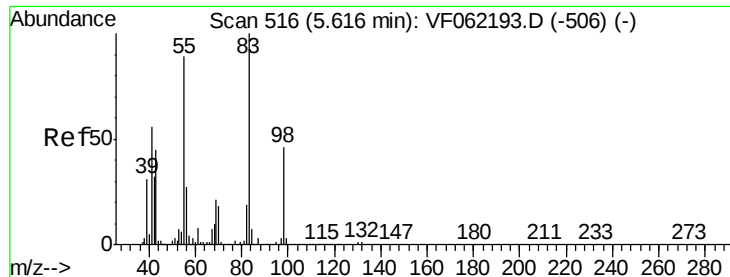
#38
Carbon Tetrachloride
Concen: 53.863 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 117 Resp: 288133
Ion Ratio Lower Upper
117 100
119 93.7 75.0 112.4
121 33.6 26.9 40.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

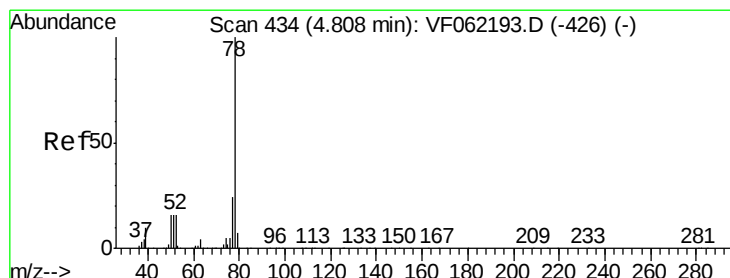
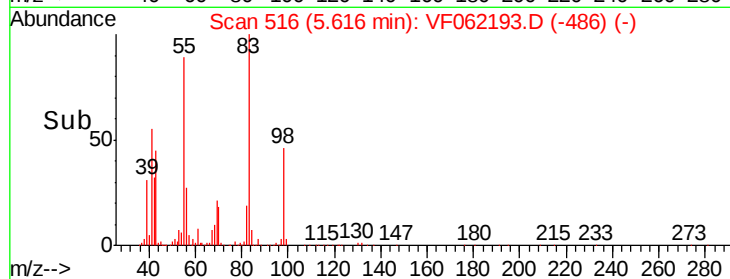
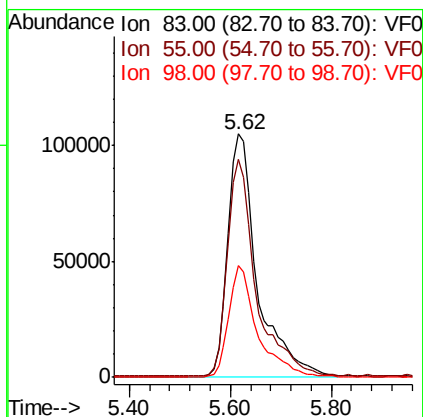
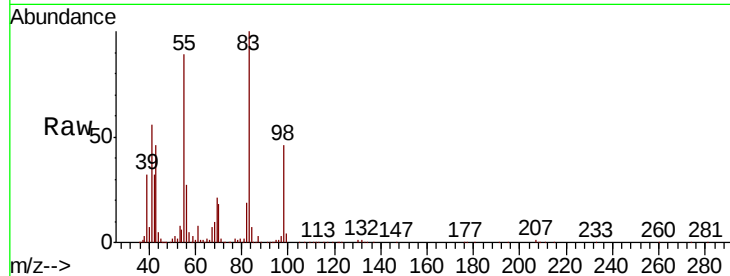




#39
Methvlcvclohexane
Concen: 54.906 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

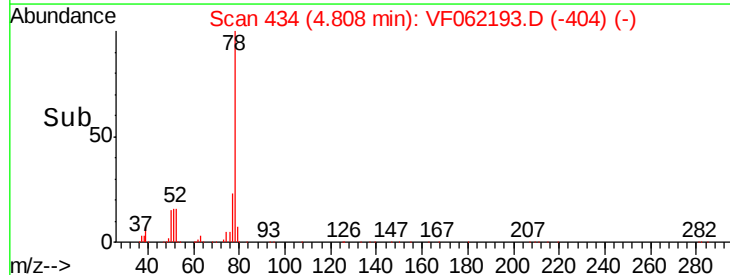
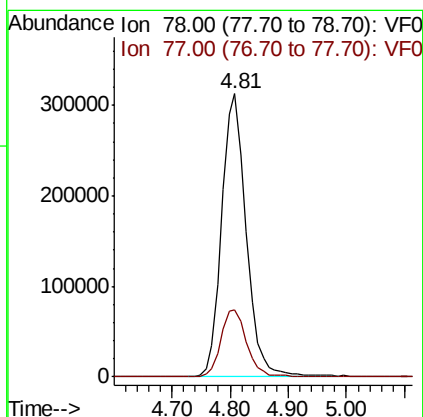
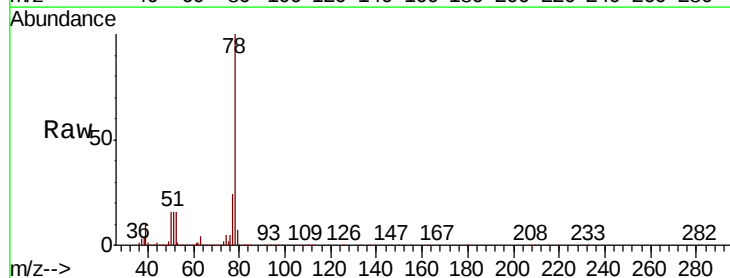
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

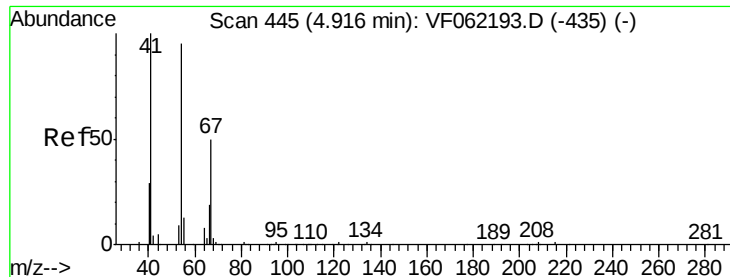
Tot Ion: 83 Resp: 424479
Ion Ratio Lower Upper
83 100
55 88.8 71.0 106.6
98 45.9 36.7 55.1



#40
Benzene
Concen: 49.756 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 78 Resp: 913513
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

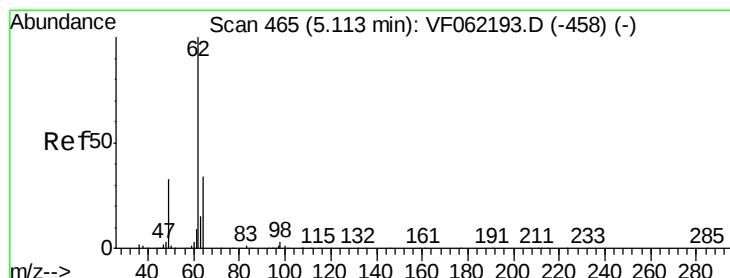
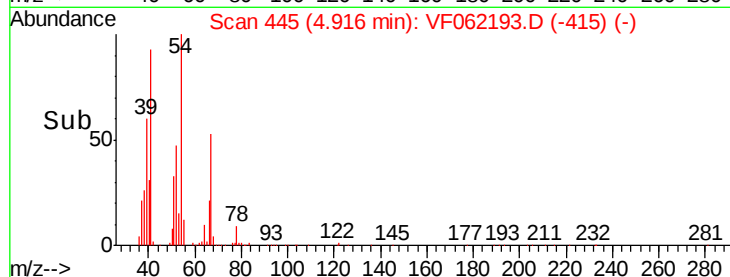
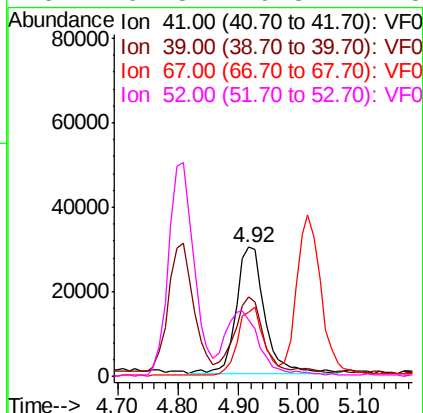
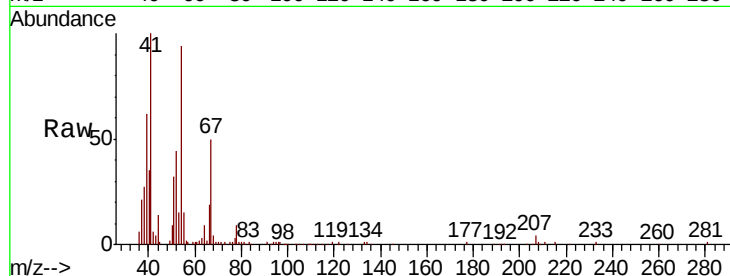




#41
Methacrylonitrile
Concen: 23.659 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

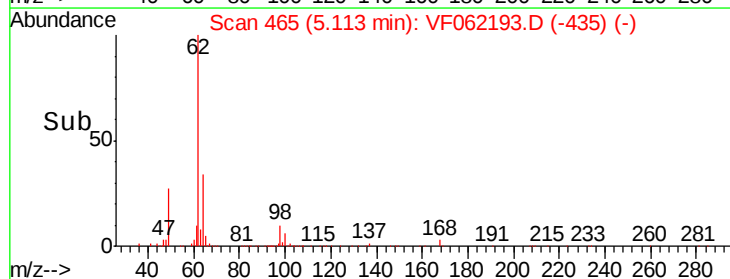
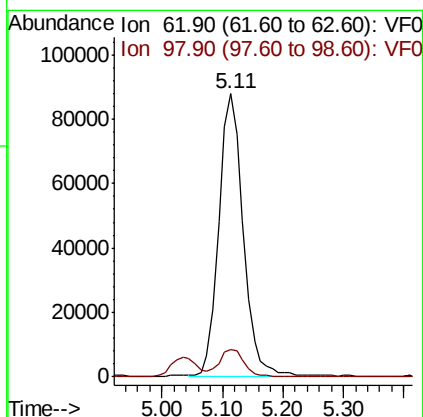
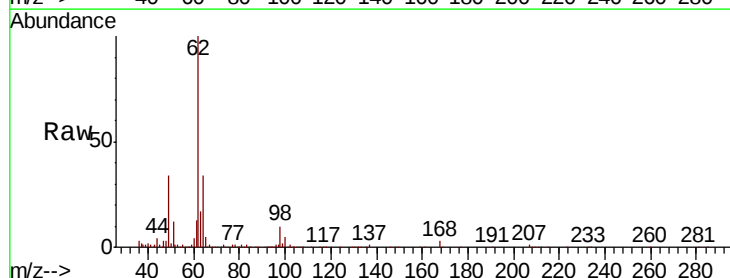
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

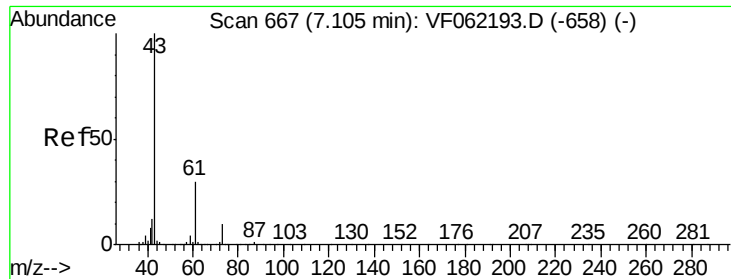
Tot Ion:	41	Resp:	97964
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.7	67.1
67	48.9	39.1	58.7
52	62.3	49.8	74.8



#42
1,2-Dichloroethane
Concen: 39.111 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:	62	Resp:	244463
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.0



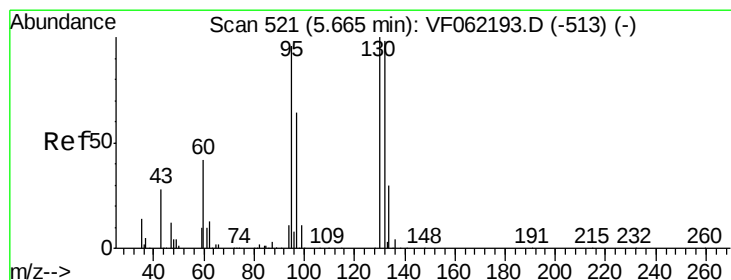
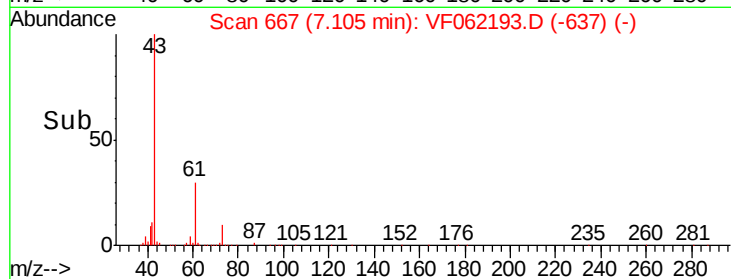
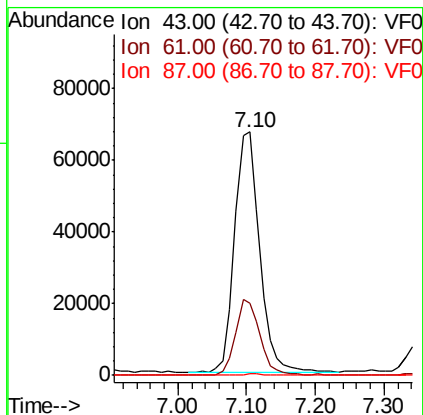
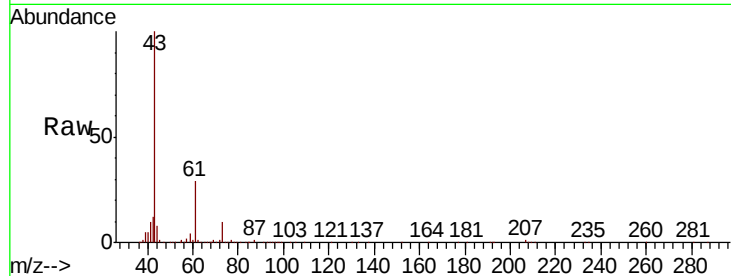


#43

Isopropyl Acetate
 Concen: 15.113 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

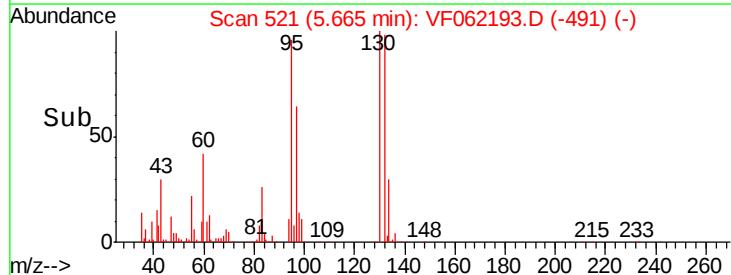
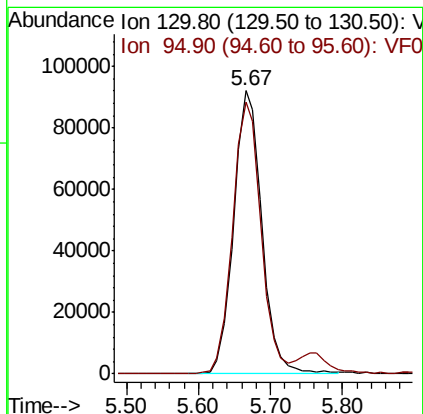
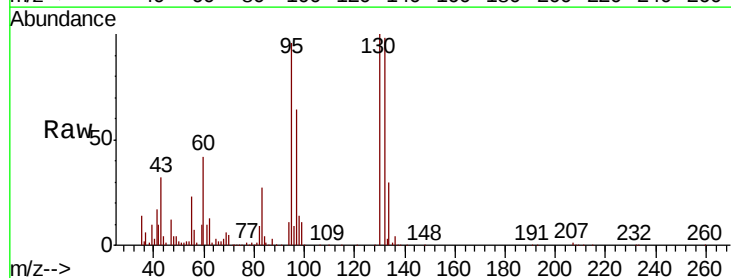
Tot Ion: 43 Resp: 170491
 Ion Ratio Lower Upper
 43 100
 61 30.5 24.4 36.6
 87 0.5 0.4 0.6

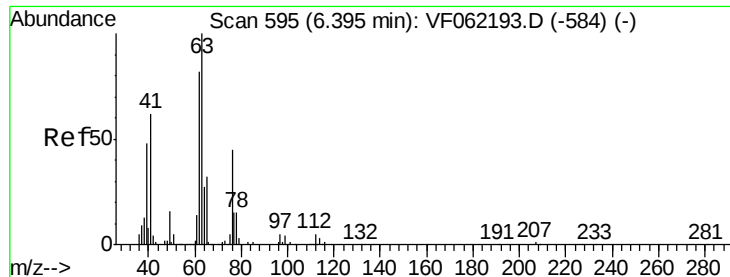


#44

Trichloroethene
 Concen: 54.677 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:130 Resp: 251830
 Ion Ratio Lower Upper
 130 100
 95 95.7 0.0 191.4





#45

1,2-Dichloropropane

Concen: 41.000 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

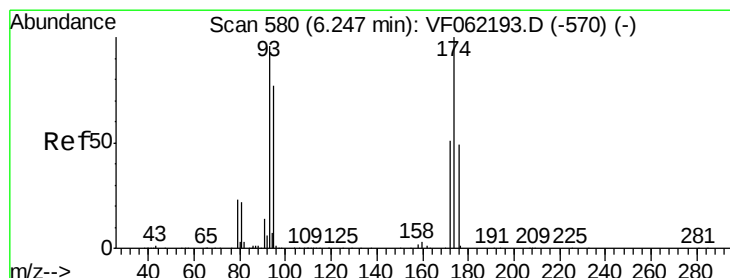
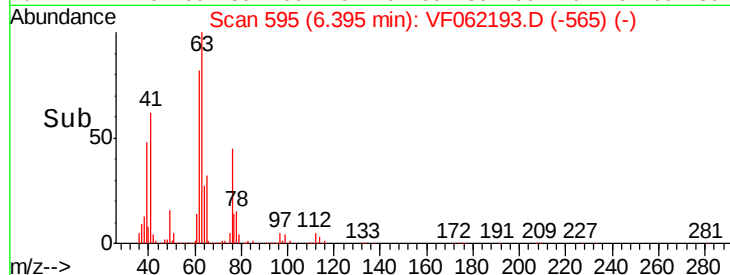
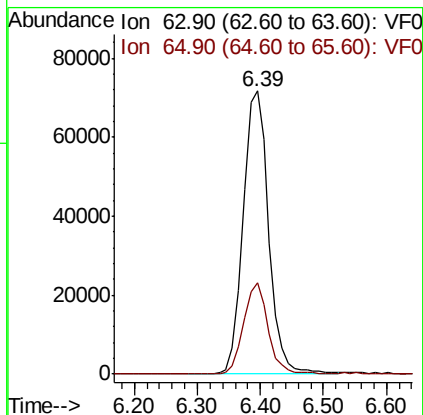
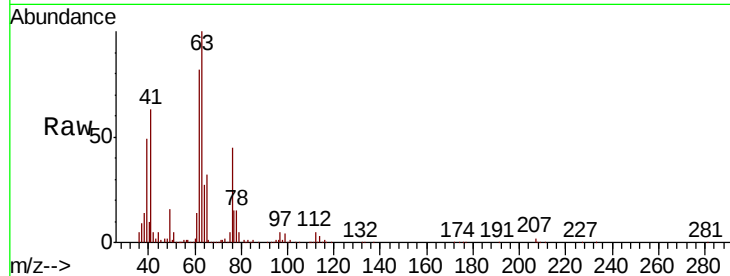
VSTDICCC050

Tot Ion: 63 Resp: 201280

Ion Ratio Lower Upper

63 100

65 32.4 25.9 38.9



#46

Dibromomethane

Concen: 47.726 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

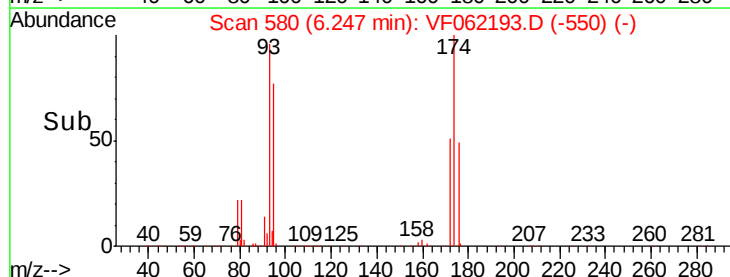
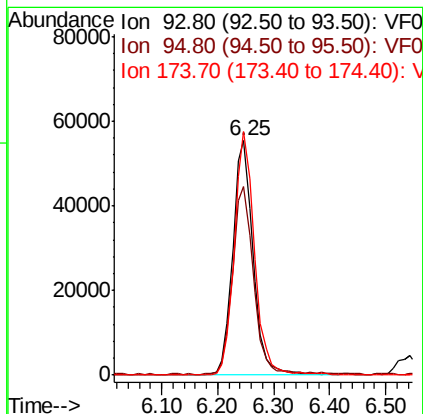
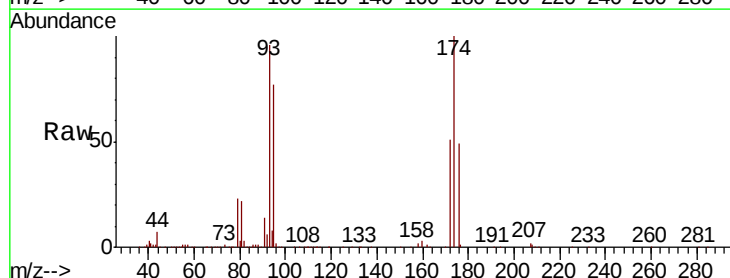
Tgt Ion: 93 Resp: 140441

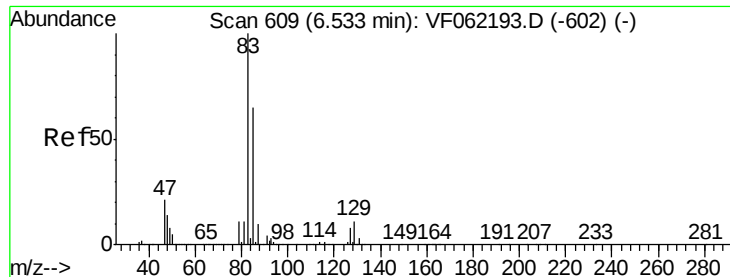
Ion Ratio Lower Upper

93 100

95 81.4 65.1 97.7

174 102.2 81.8 122.6





#47

Bromodichloromethane

Concen: 51.871 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

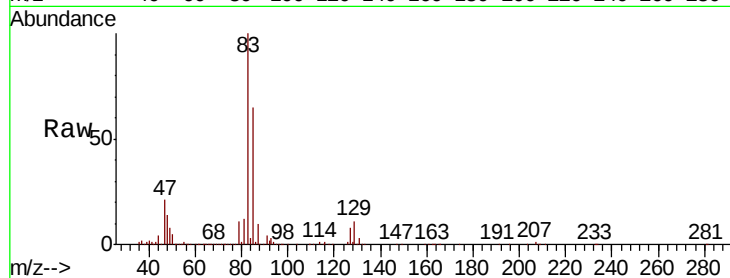
Tot Ion: 83 Resp: 302974

Ion Ratio Lower Upper

83 100

85 65.3 52.2 78.4

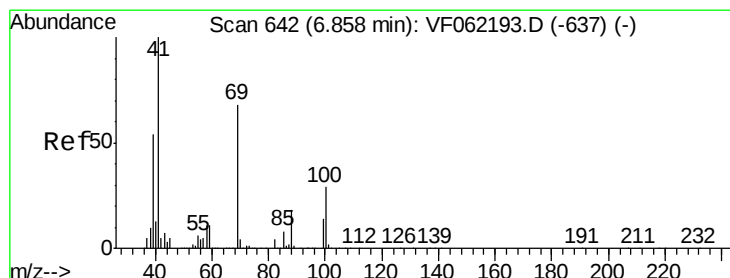
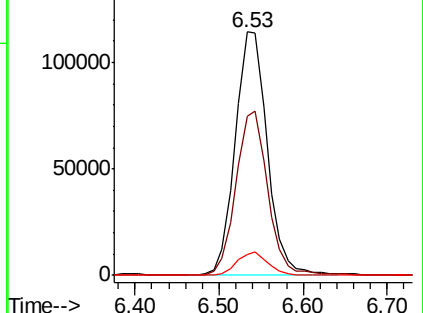
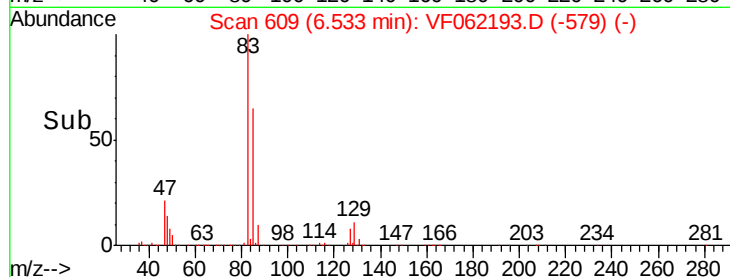
127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.997 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

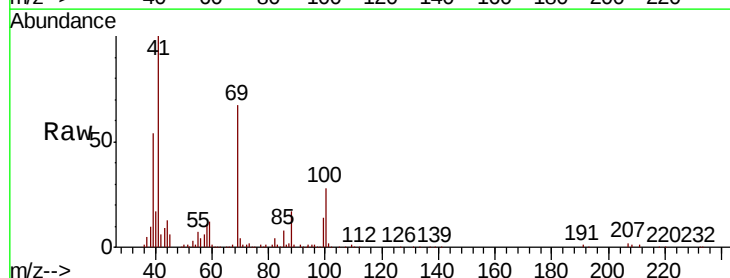
Tgt Ion: 41 Resp: 113192

Ion Ratio Lower Upper

41 100

69 68.6 54.9 82.3

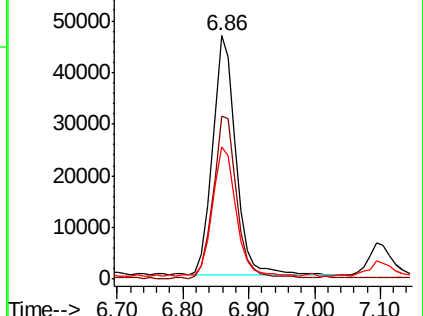
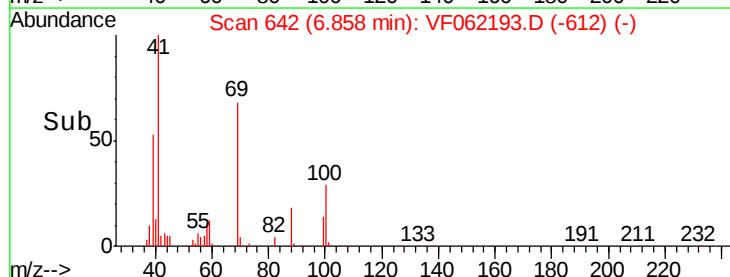
39 54.5 43.6 65.4

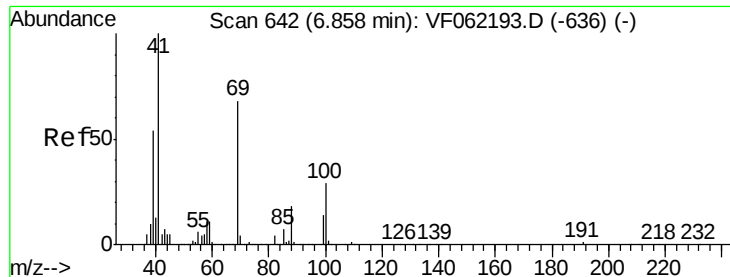


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

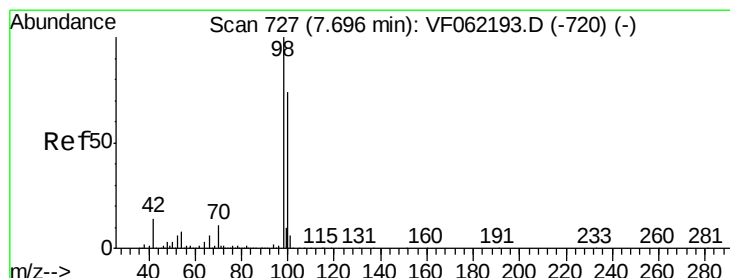
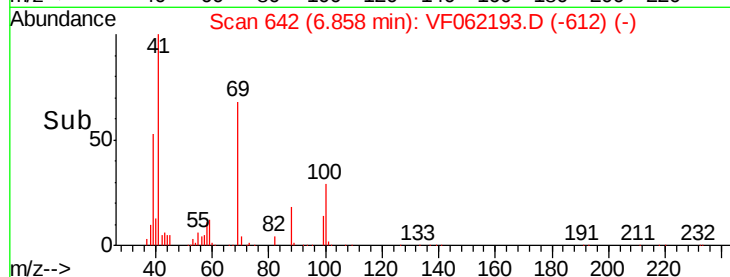
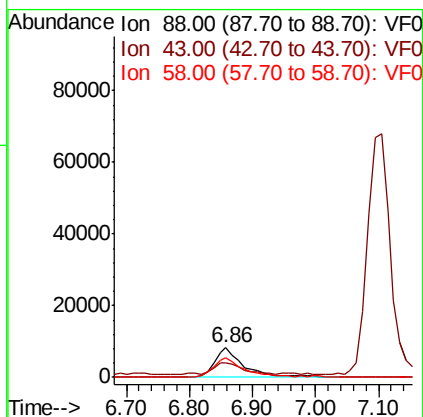
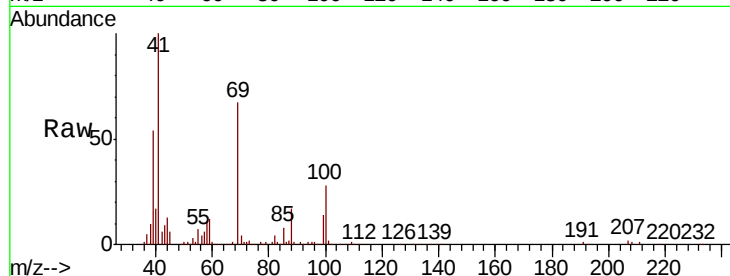




#49
1,4-Dioxane
Concen: 248.263 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

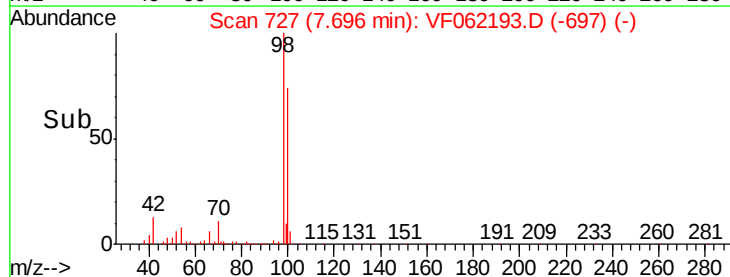
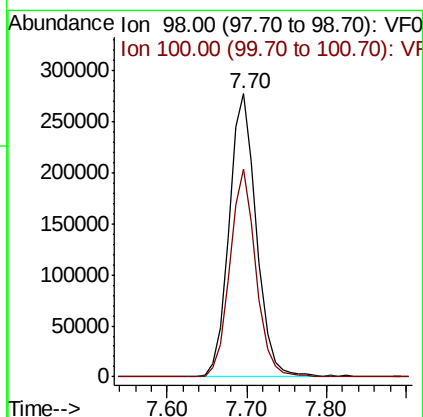
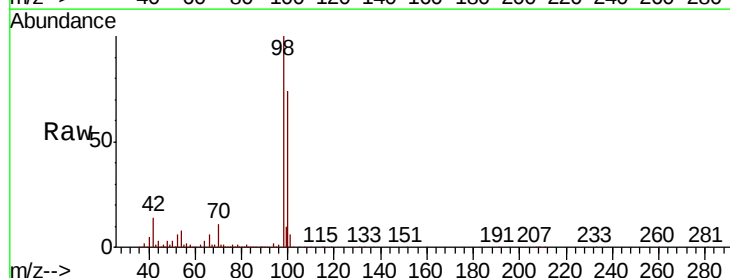
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

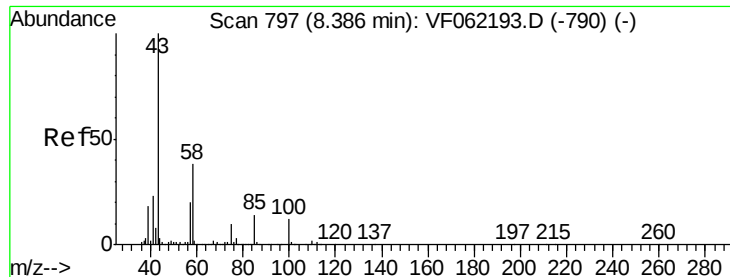
Tot Ion: 88 Resp: 26047
Ion Ratio Lower Upper
88 100
43 46.1 36.9 55.3
58 71.0 56.8 85.2



#50
Toluene-d8
Concen: 44.532 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 98 Resp: 664900
Ion Ratio Lower Upper
98 100
100 70.2 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 88.247 ug/l

RT: 8.39 min Scan# 797

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

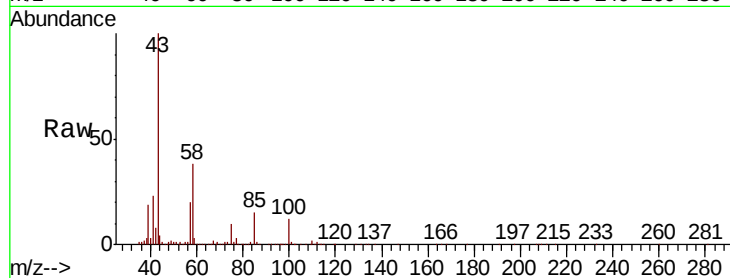
VSTDICCC050

Tot Ion: 43 Resp: 639654

Ion Ratio Lower Upper

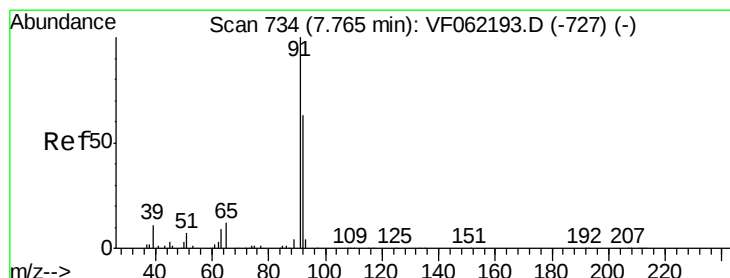
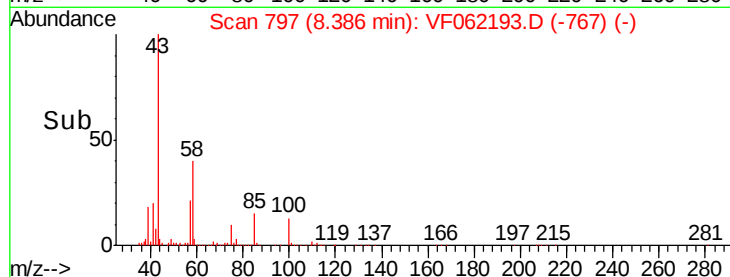
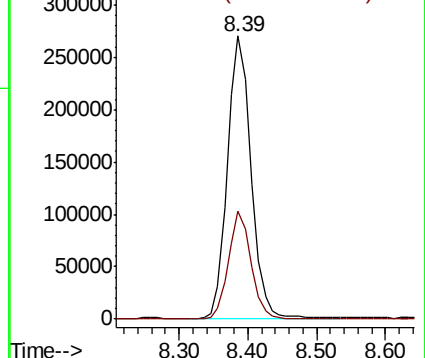
43 100

58 36.6 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.038 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062193.D

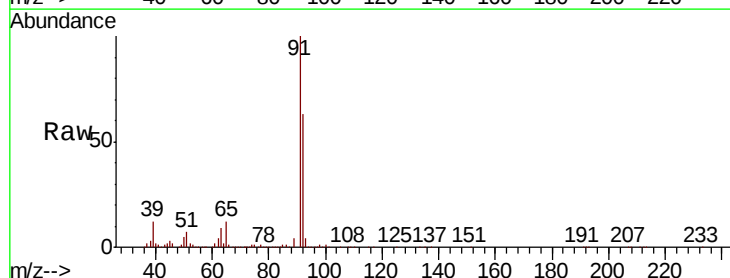
Acq: 17 Apr 2019 18:38

Tgt Ion: 92 Resp: 499316

Ion Ratio Lower Upper

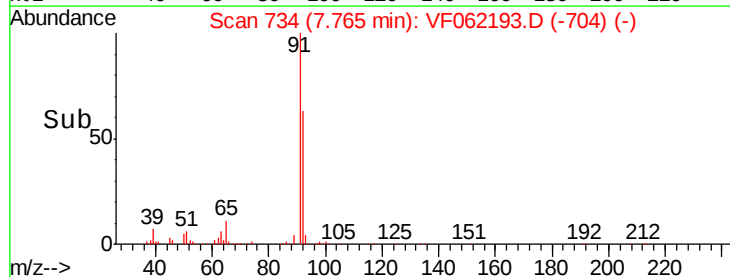
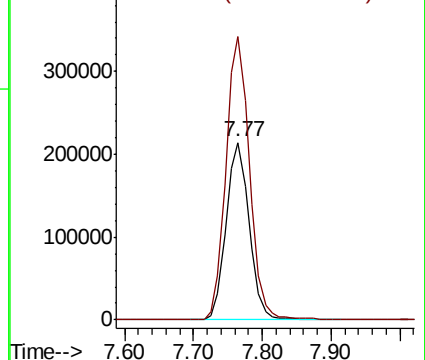
92 100

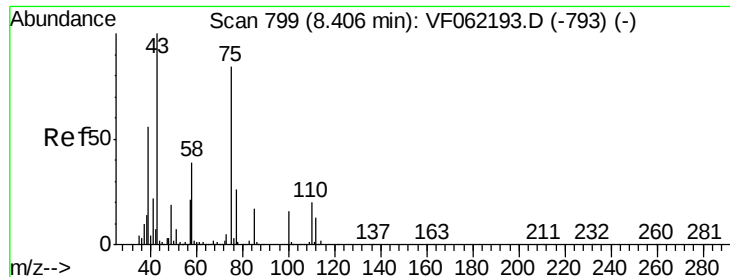
91 162.6 130.1 195.1



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: 36.816 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

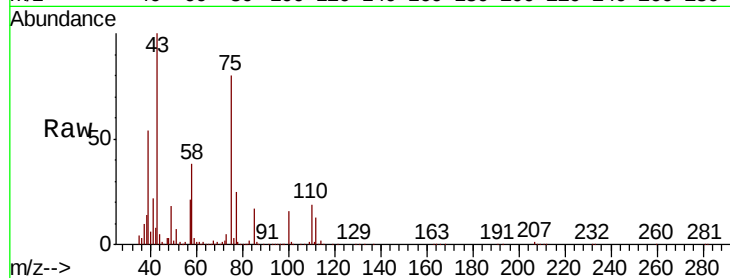
VSTDICCC050

Tot Ion: 75 Resp: 231353

Ion Ratio Lower Upper

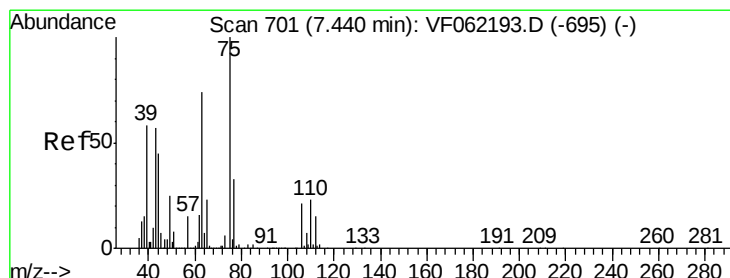
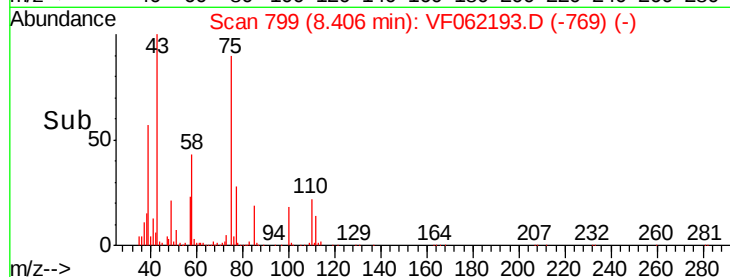
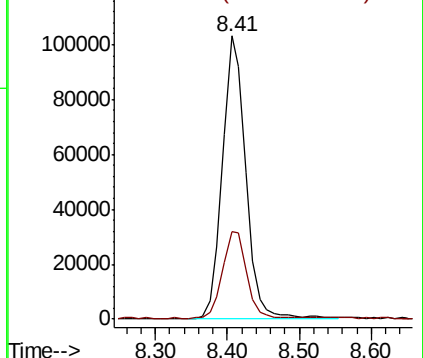
75 100

77 30.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



#54

cis-1,3-Dichloropropene

Concen: 42.804 ug/l

RT: 7.44 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

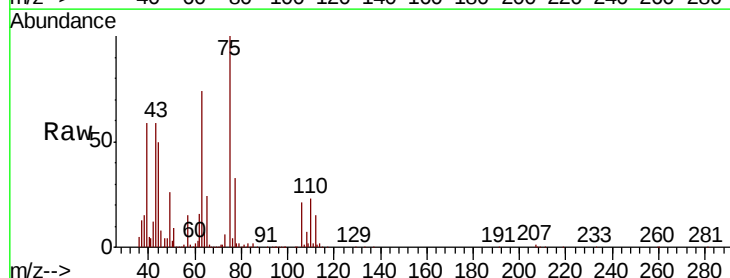
Tgt Ion: 75 Resp: 309932

Ion Ratio Lower Upper

75 100

77 33.0 26.4 39.6

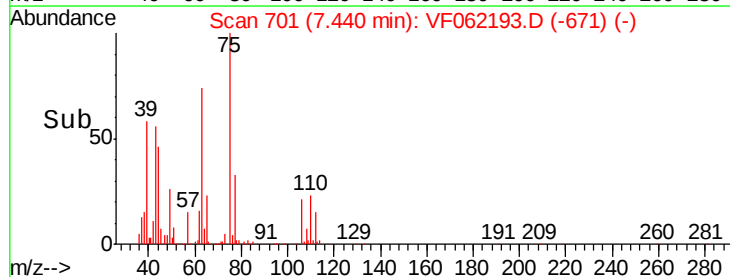
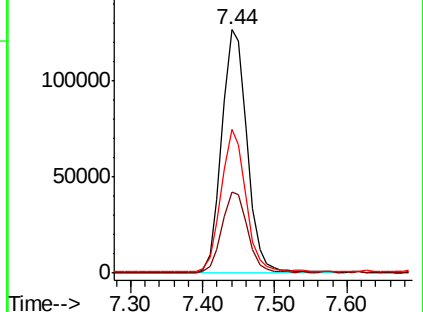
39 58.4 46.7 70.1

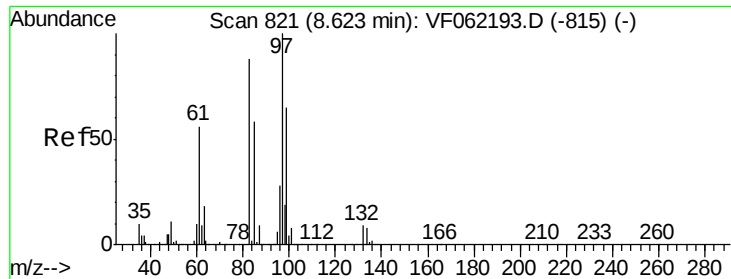


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 33.475 ug/l

RT: 8.62 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 136826

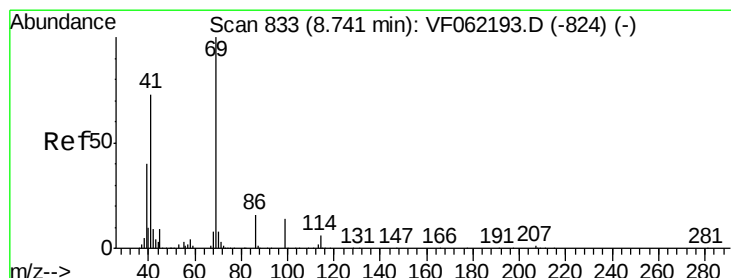
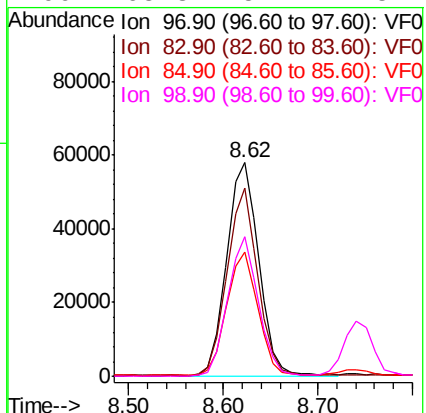
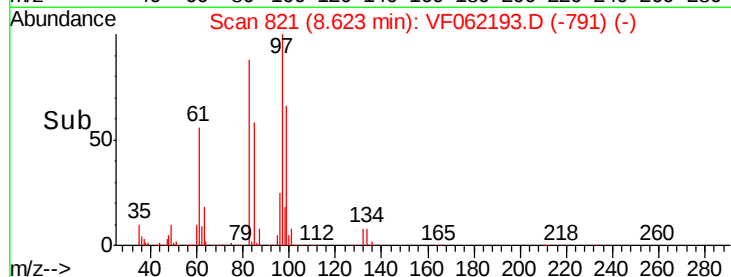
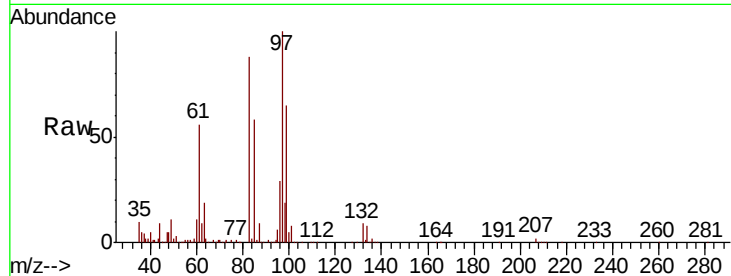
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.2	105.2
85	57.8	46.2	69.4
99	65.3	52.2	78.4

97 100

83 87.7 70.2 105.2

85 57.8 46.2 69.4

99 65.3 52.2 78.4



#56

Ethyl methacrylate

Concen: 21.645 ug/l

RT: 8.74 min Scan# 833

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

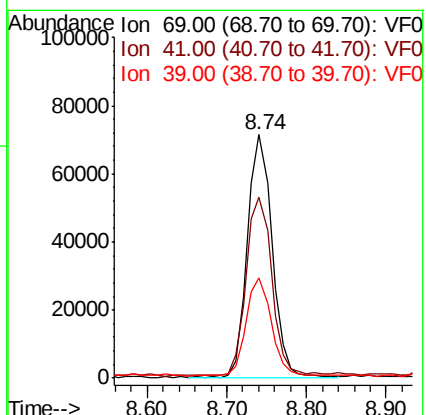
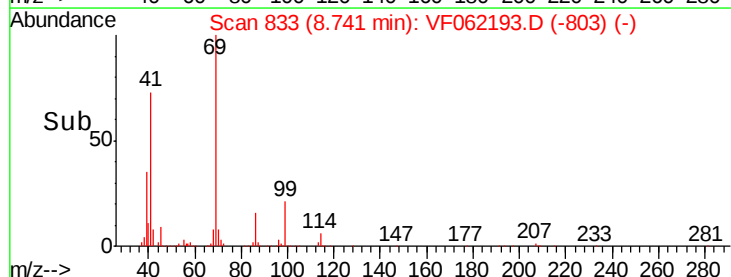
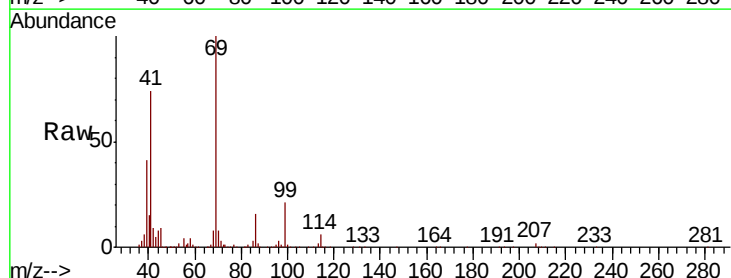
Tgt Ion: 69 Resp: 151074

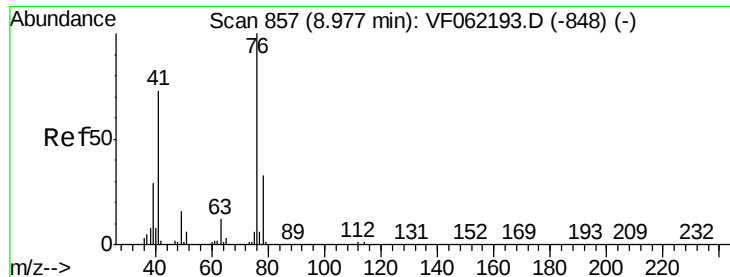
Ion	Ratio	Lower	Upper
69	100		
41	76.9	61.5	92.3
39	41.6	33.3	49.9

69 100

41 76.9 61.5 92.3

39 41.6 33.3 49.9





#57

1,3-Dichloropropane

Concen: 30.677 ug/l

RT: 8.98 min Scan# 857

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

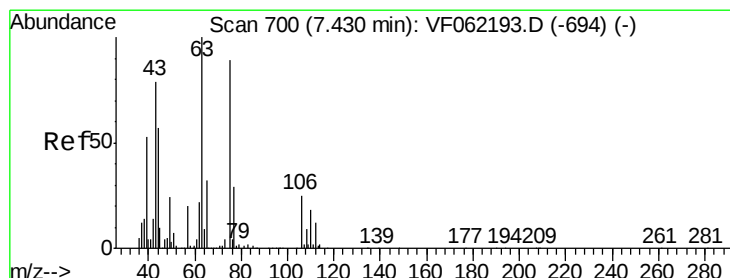
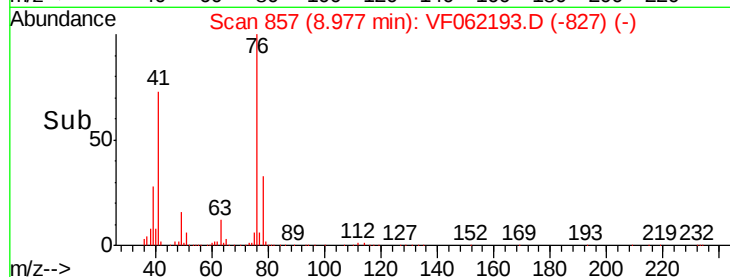
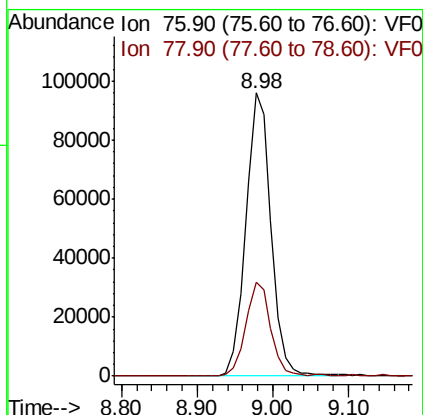
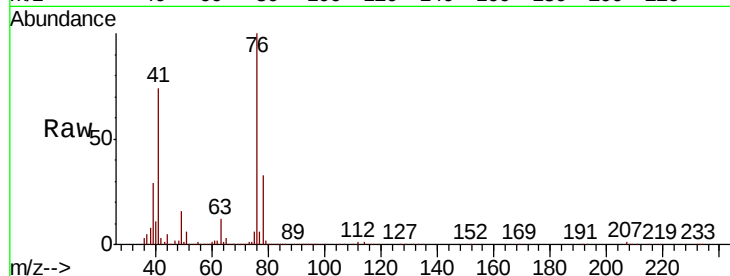
VSTDICCC050

Tot Ion: 76 Resp: 220968

Ion Ratio Lower Upper

76 100

78 33.1 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 63.999 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.00 min

Lab File: VF062193.D

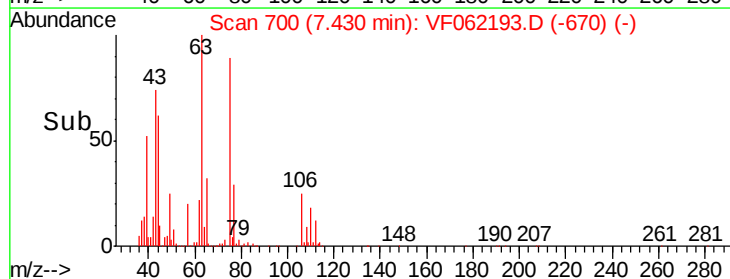
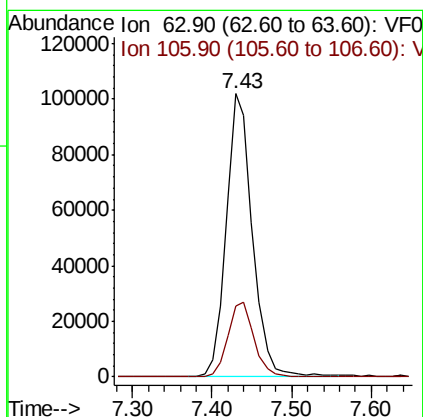
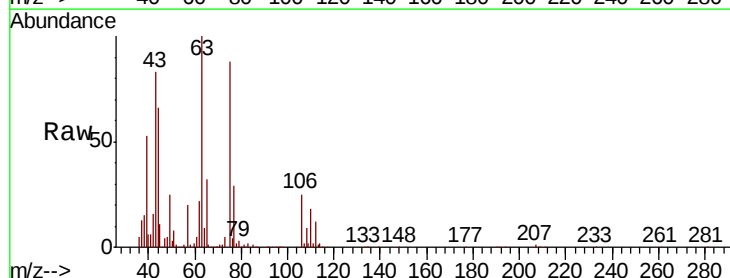
Acq: 17 Apr 2019 18:38

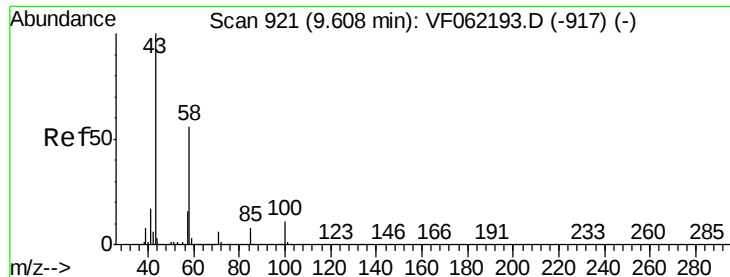
Tgt Ion: 63 Resp: 233236

Ion Ratio Lower Upper

63 100

106 26.7 21.4 32.0

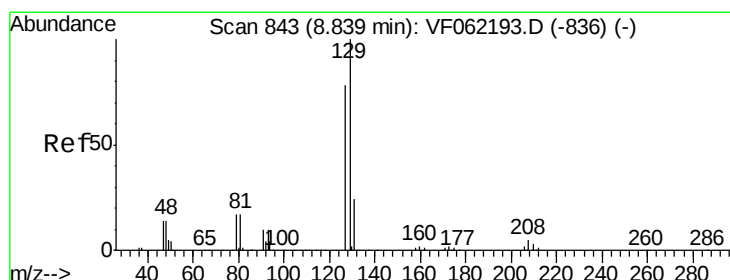
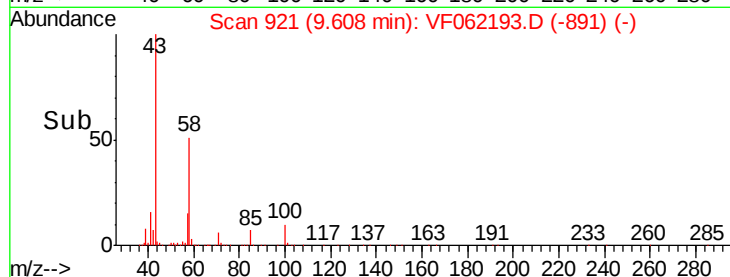
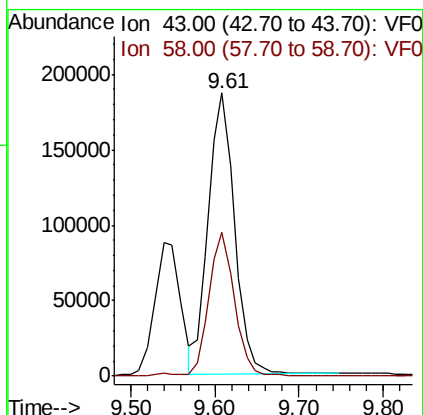
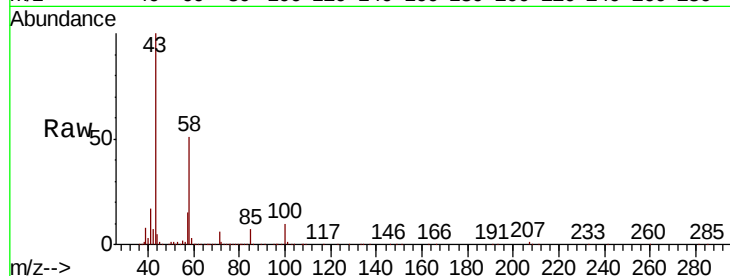




#59
2-Hexanone
Concen: 73.245 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

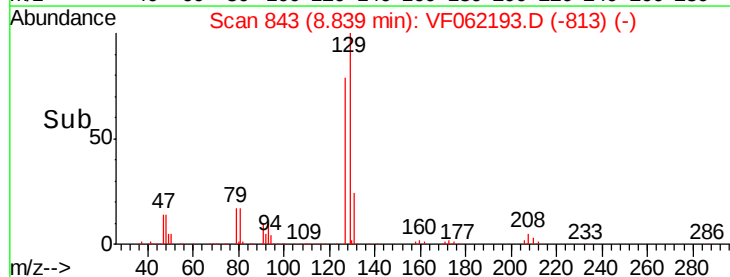
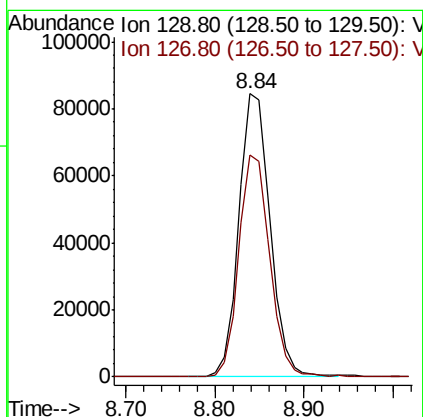
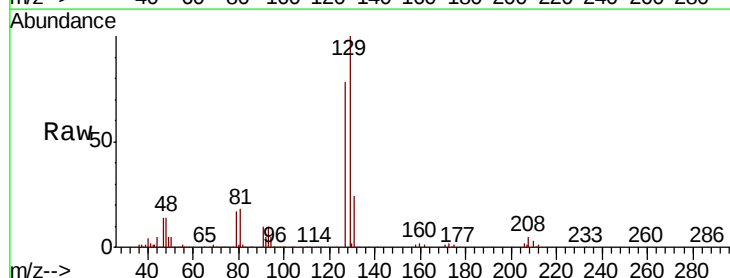
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

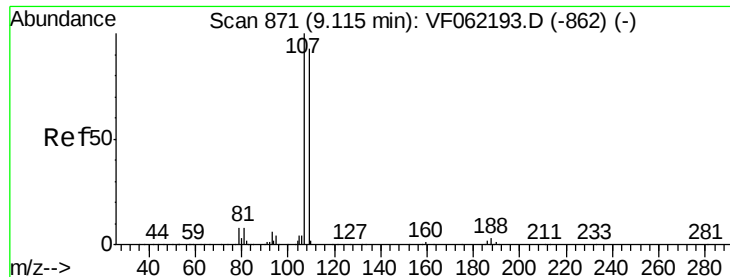
Tot Ion: 43 Resp: 405051
Ion Ratio Lower Upper
43 100
58 49.3 24.6 74.0



#60
Dibromochloromethane
Concen: 49.695 ug/l
RT: 8.84 min Scan# 843
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 129 Resp: 205324
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





#61

1,2-Dibromoethane

Concen: 36.356 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

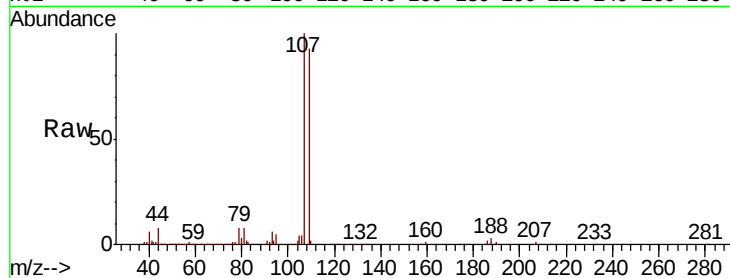
VSTDICCC050

Tot Ion: 107 Resp: 154607

Ion Ratio Lower Upper

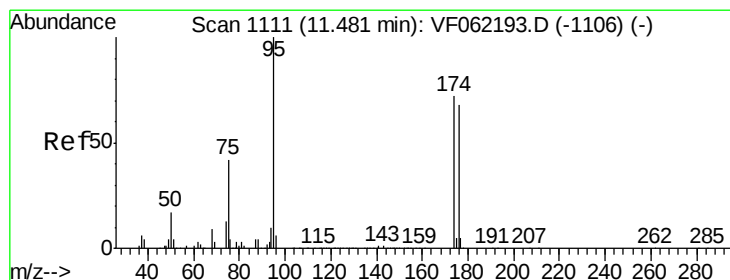
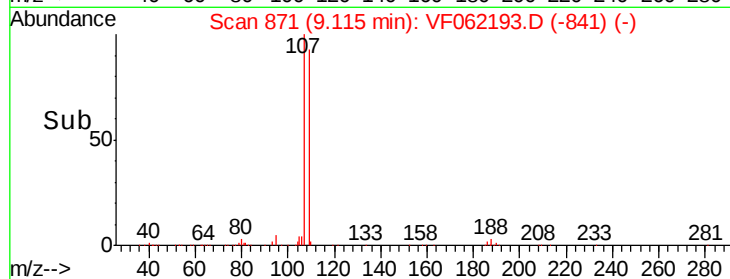
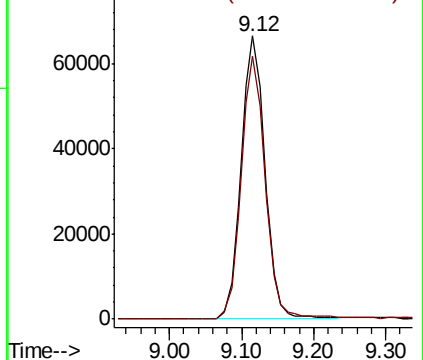
107 100

109 92.9 74.3 111.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.946 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

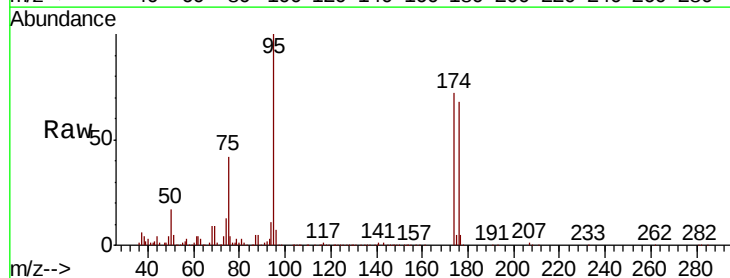
Tgt Ion: 95 Resp: 243482

Ion Ratio Lower Upper

95 100

174 79.7 0.0 159.4

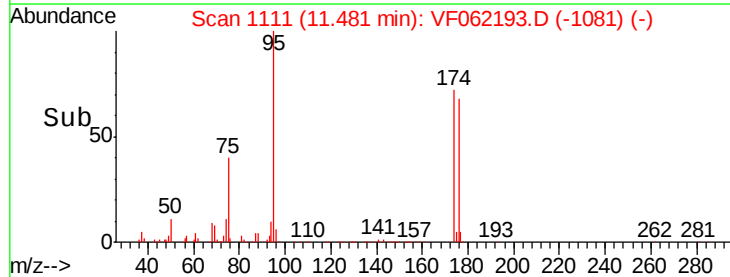
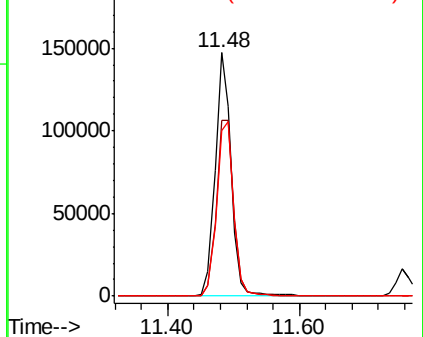
176 77.7 0.0 155.4

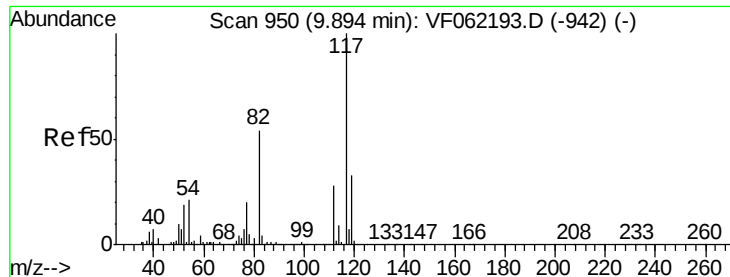


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

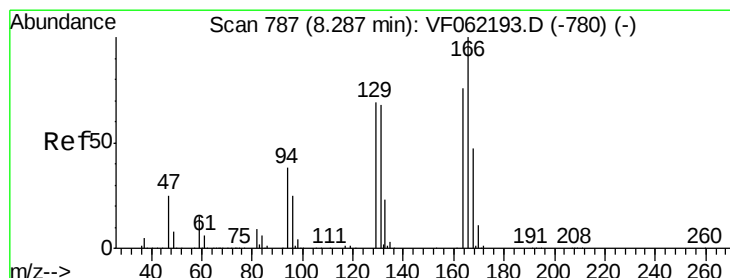
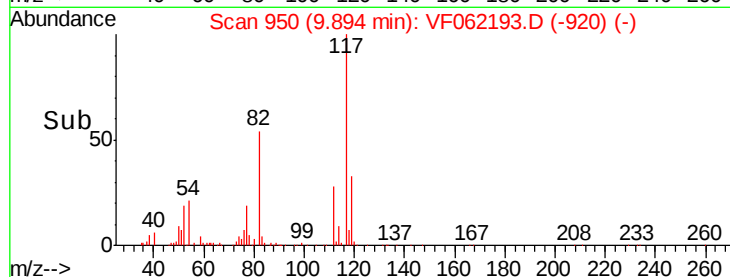
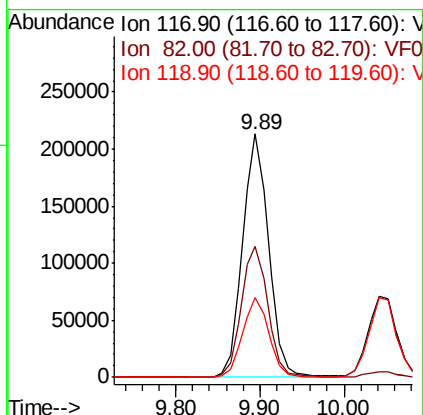
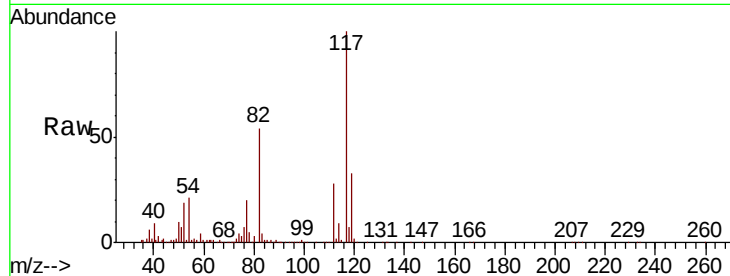




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

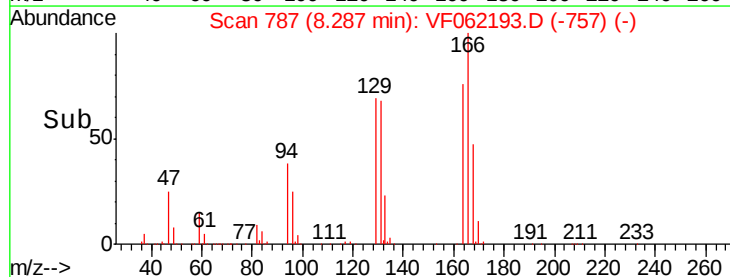
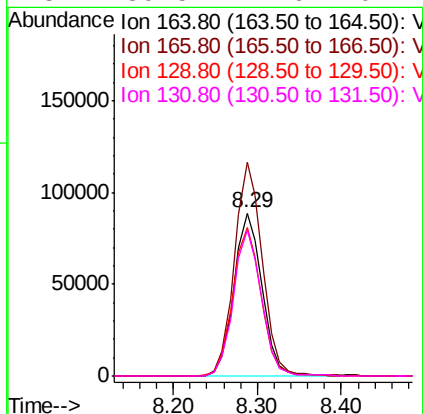
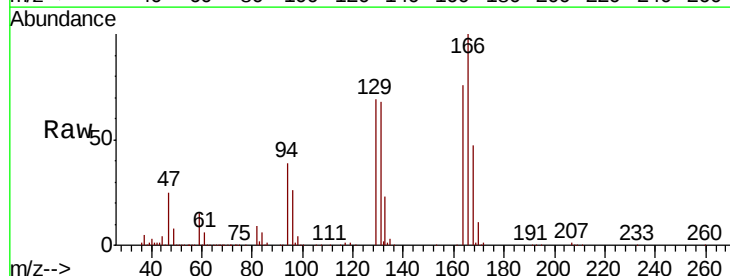
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

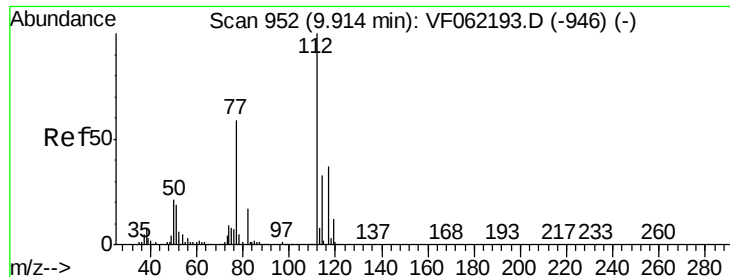
Tot Ion:117 Resp: 461958
Ion Ratio Lower Upper
117 100
82 54.0 43.2 64.8
119 32.8 26.2 39.4



#64
Tetrachloroethene
Concen: 56.588 ug/l
RT: 8.29 min Scan# 787
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:164 Resp: 206328
Ion Ratio Lower Upper
164 100
166 130.9 104.7 157.1
129 90.8 72.6 109.0
131 89.5 71.6 107.4





#65

Chlorobenzene

Concen: 51.708 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

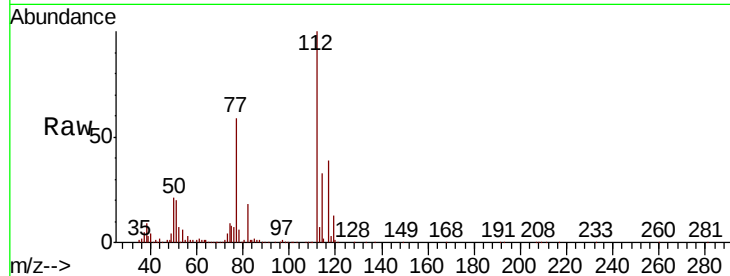
VSTDICCC050

Tot Ion:112 Resp: 514046

Ion Ratio Lower Upper

112 100

114 32.6 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.91

250000

200000

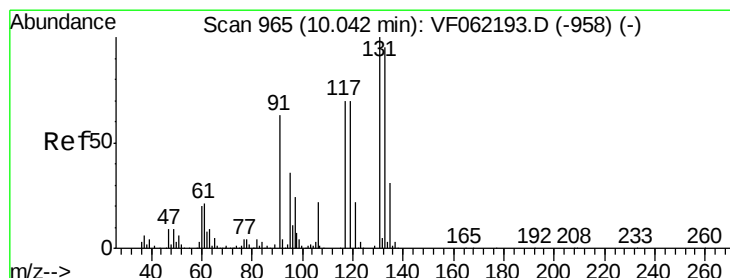
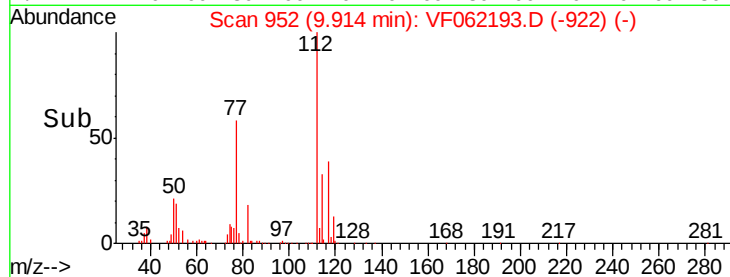
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 62.954 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

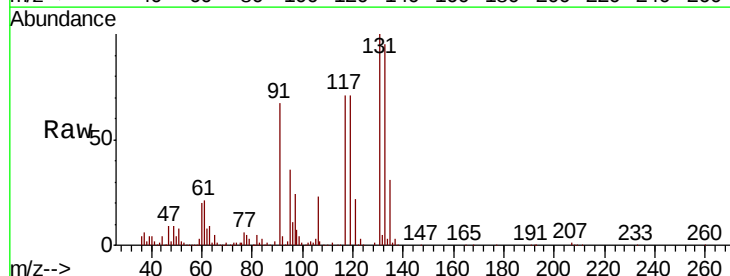
Tgt Ion:131 Resp: 229476

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

119 69.3 34.6 103.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

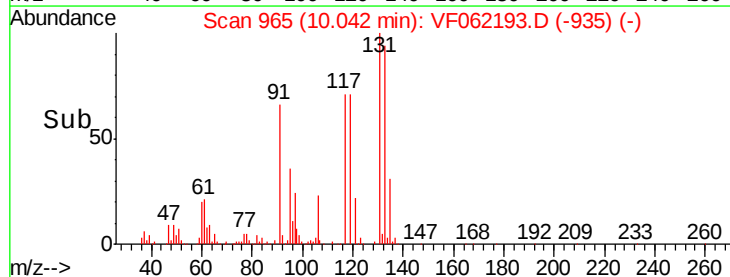
10.04

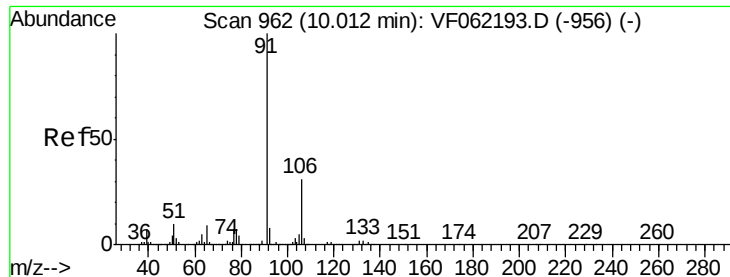
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 48.872 ug/l

RT: 10.01 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

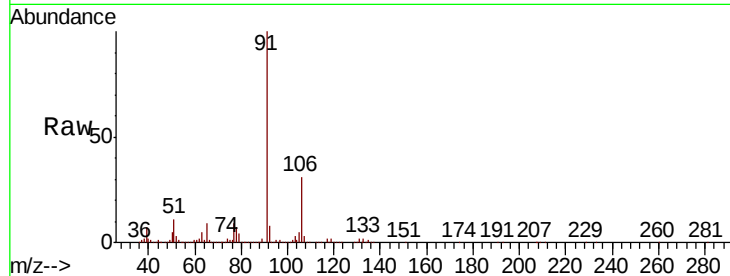
VSTDICCC050

Tot Ion: 91 Resp: 874780

Ion Ratio Lower Upper

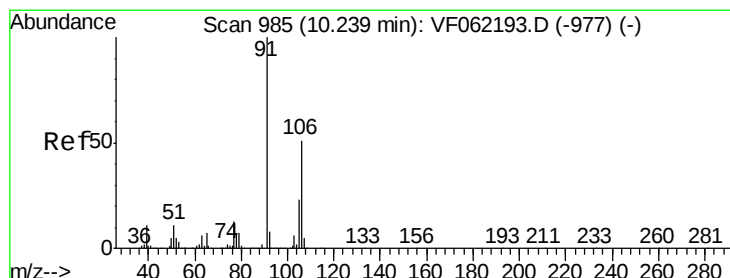
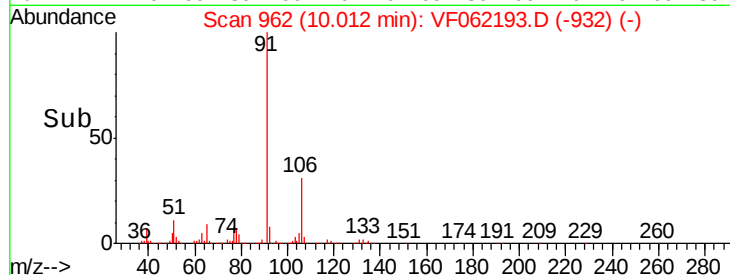
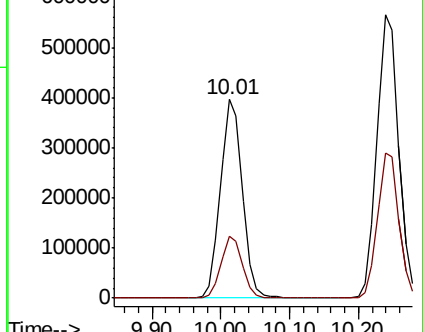
91 100

106 31.1 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 98.190 ug/l

RT: 10.24 min Scan# 985

Delta R.T. 0.00 min

Lab File: VF062193.D

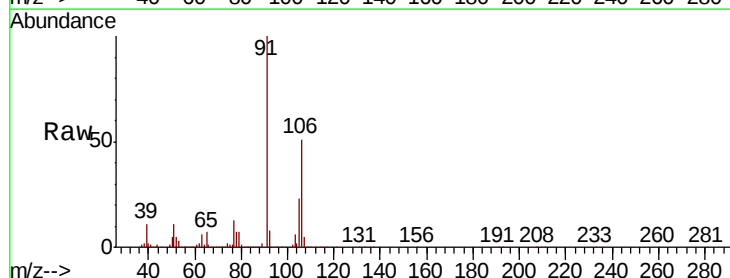
Acq: 17 Apr 2019 18:38

Tgt Ion:106 Resp: 639487

Ion Ratio Lower Upper

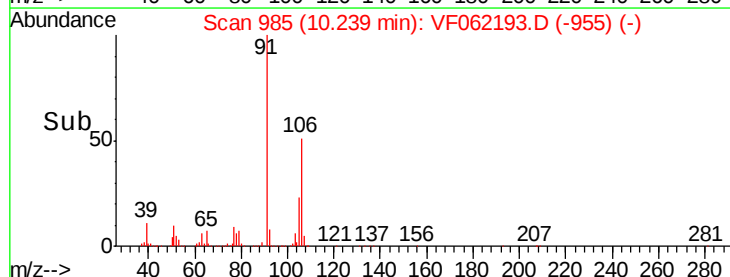
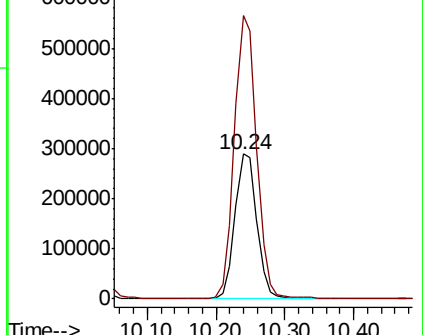
106 100

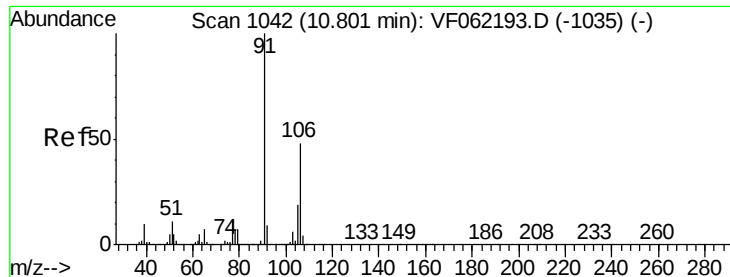
91 198.9 159.1 238.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

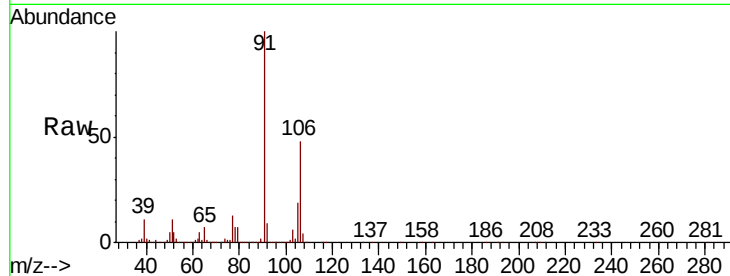




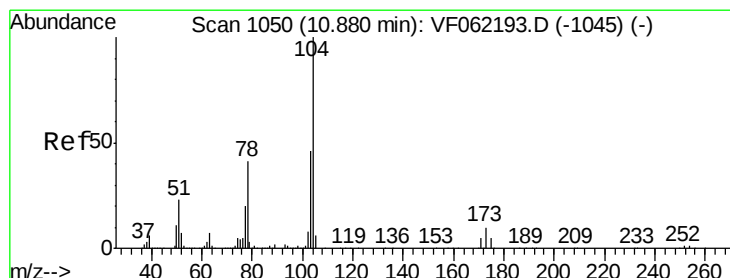
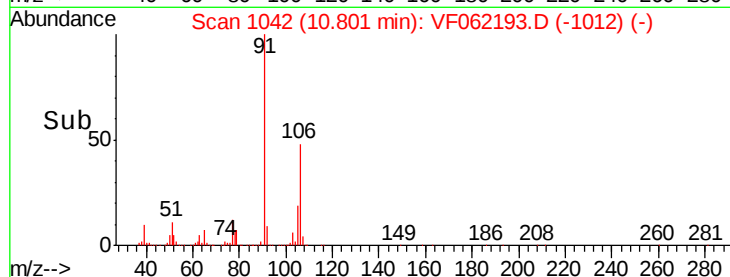
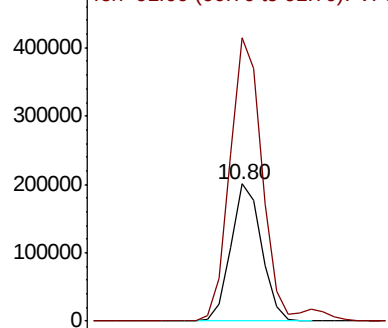
#69
o-Xylene
Concen: 56.260 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 367389
Ion Ratio Lower Upper
106 100
91 214.9 107.5 322.4

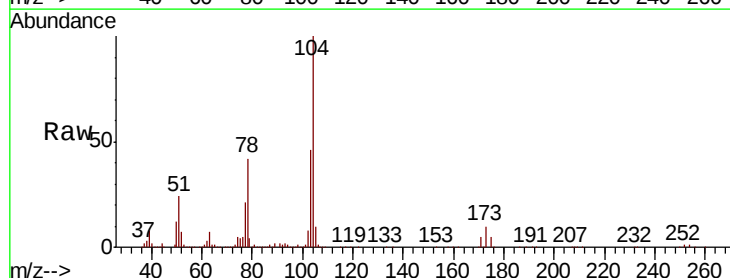


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

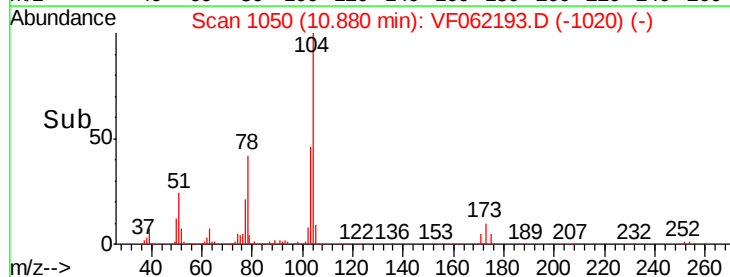
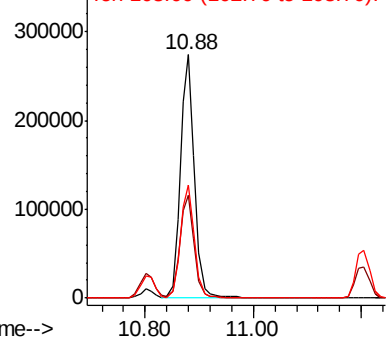


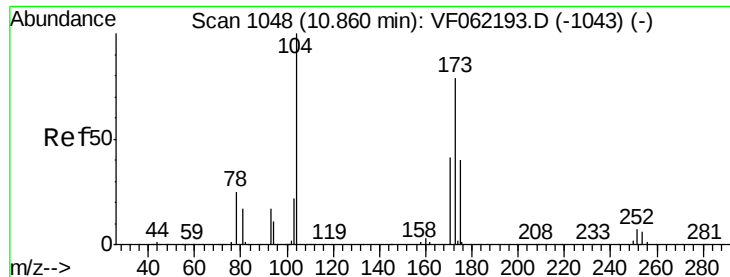
#70
Styrene
Concen: 45.821 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion:104 Resp: 495765
Ion Ratio Lower Upper
104 100
78 43.1 34.5 51.7
103 46.5 37.2 55.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 44.631 ug/l

RT: 10.86 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

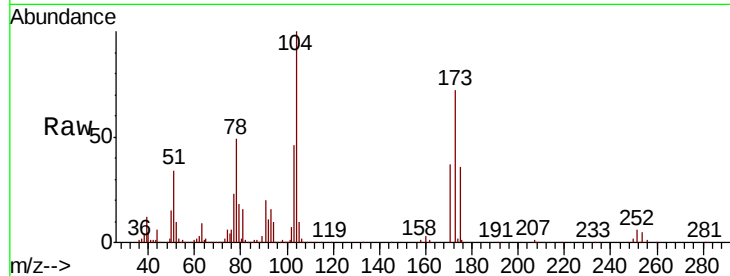
Tot Ion:173 Resp: 119655

Ion Ratio Lower Upper

173 100

175 49.0 24.5 73.5

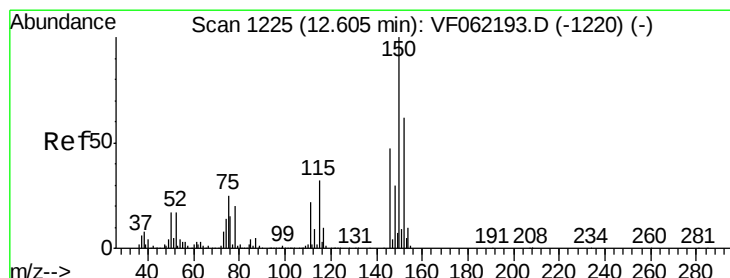
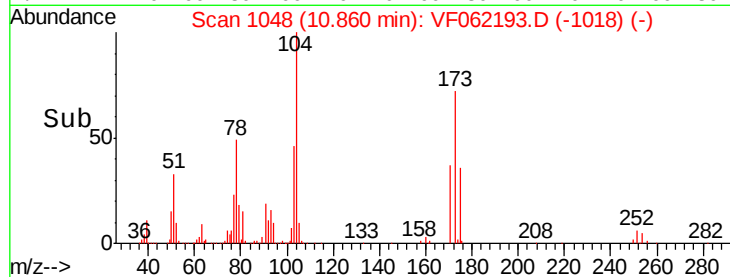
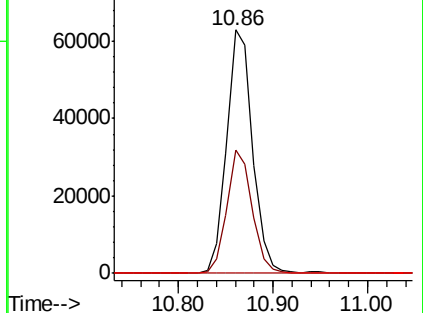
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.60 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

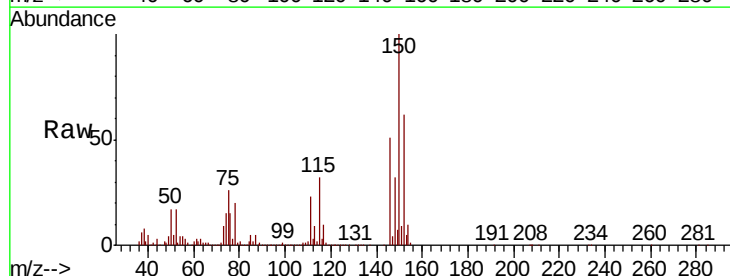
Tgt Ion:152 Resp: 236107

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.3

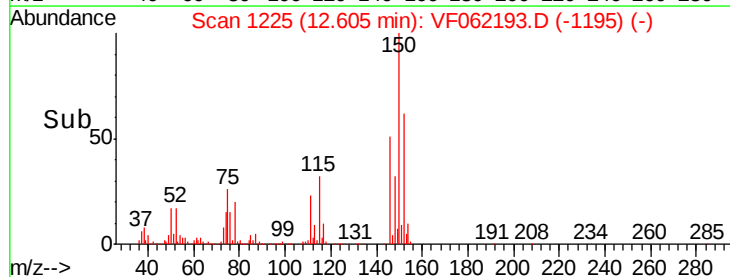
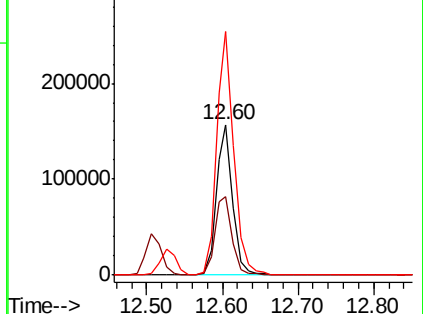
150 170.9 0.0 341.8

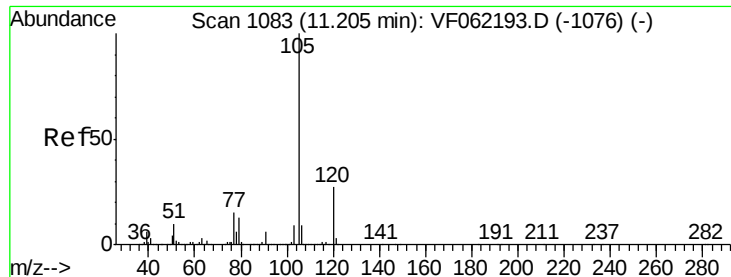


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.861 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

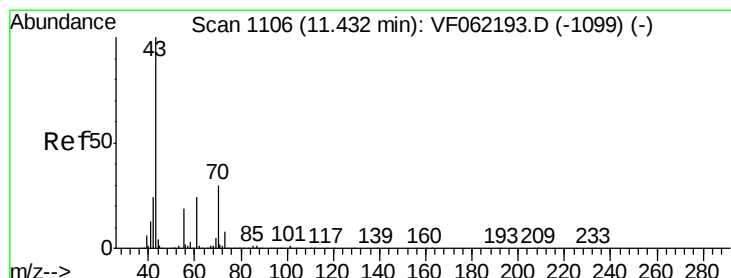
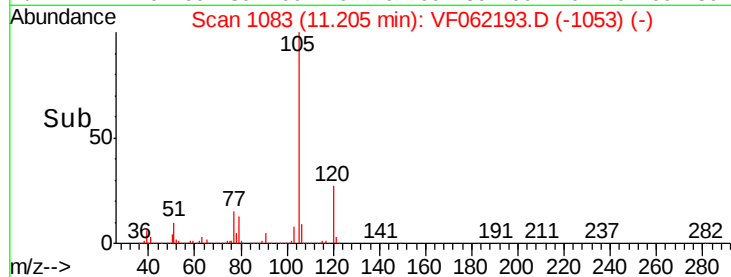
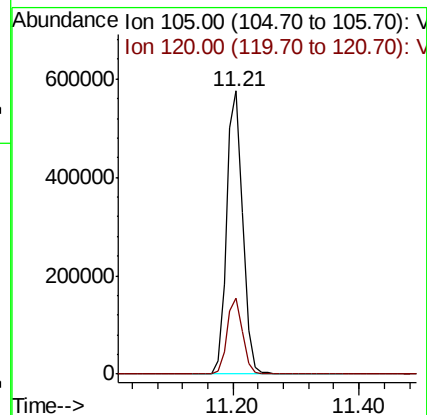
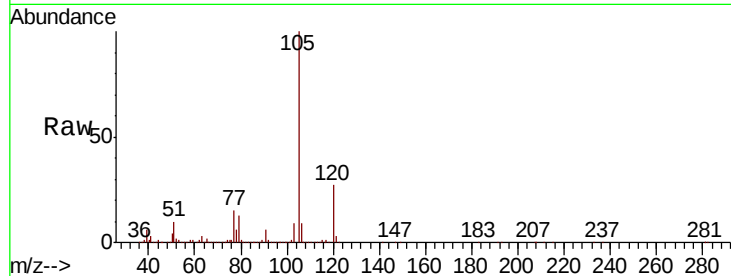
VSTDICCC050

Tot Ion:105 Resp: 1029533

Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9



#74

N-ethyl acetate

Concen: 25.569 ug/l

RT: 11.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Tgt Ion: 43 Resp: 240184

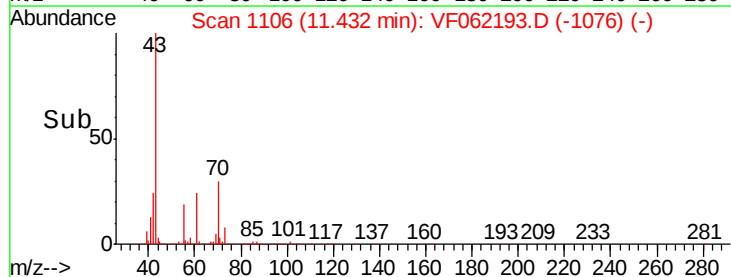
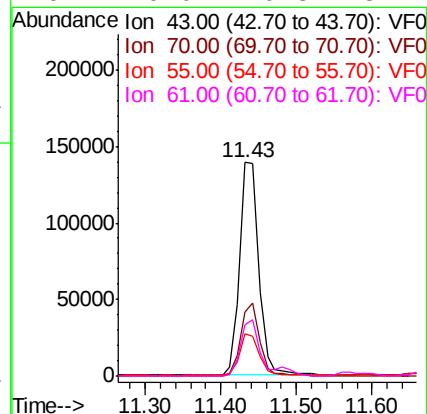
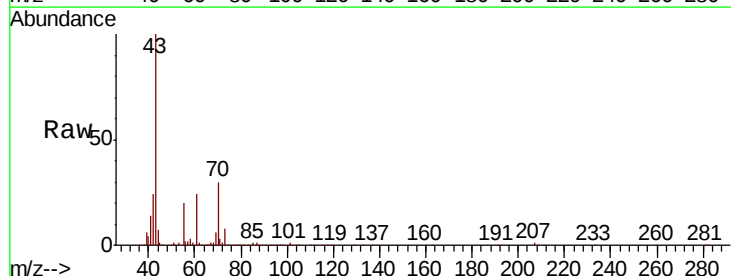
Ion Ratio Lower Upper

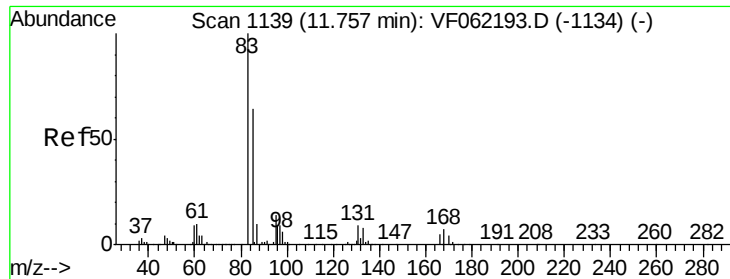
43 100

70 33.7 27.0 40.4

55 19.6 15.7 23.5

61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 28.995 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

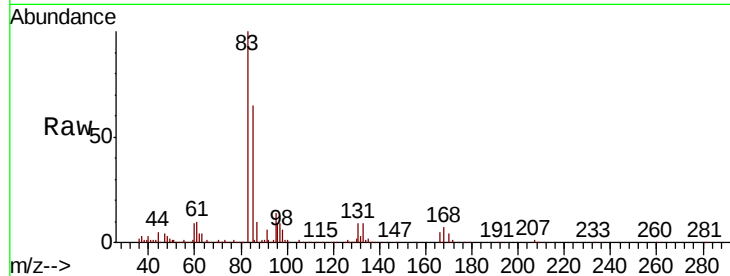
MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 176667

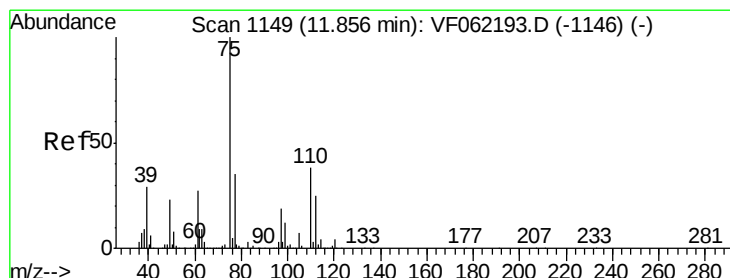
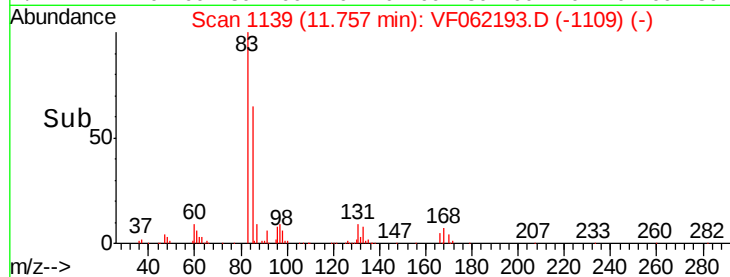
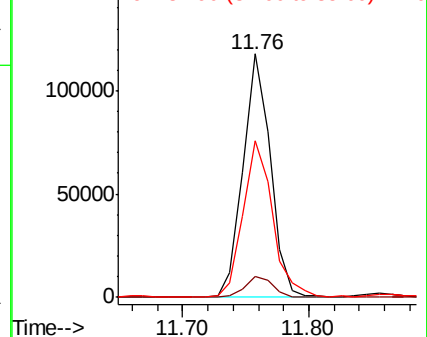
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.5
85	69.4	34.7	104.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 22.827 ug/l

RT: 11.86 min Scan# 1149

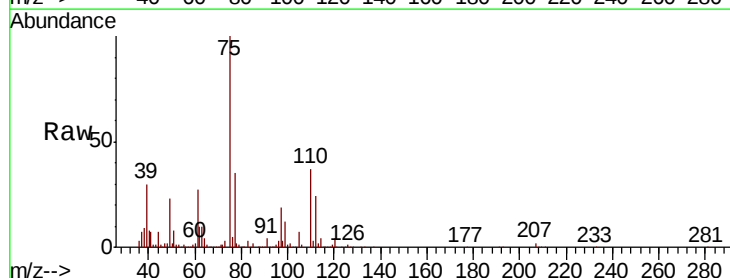
Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

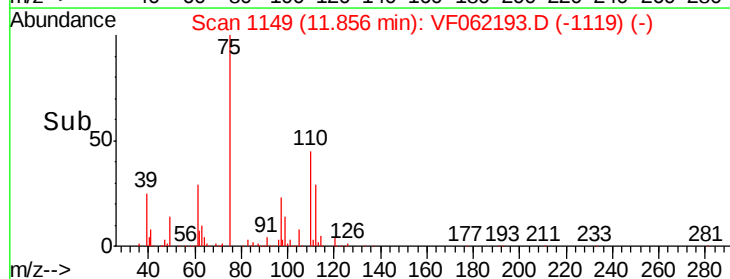
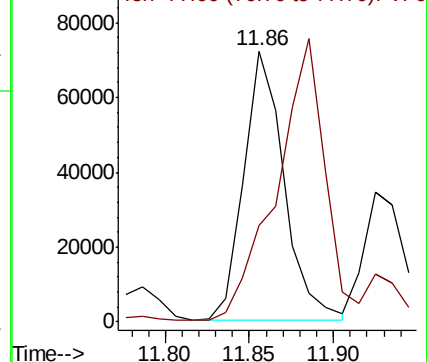
Tgt Ion: 75 Resp: 120173

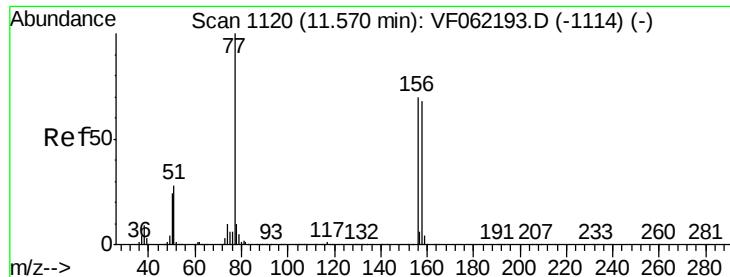
Ion	Ratio	Lower	Upper
75	100		
77	0.0	7.4	22.2



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 47.884 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

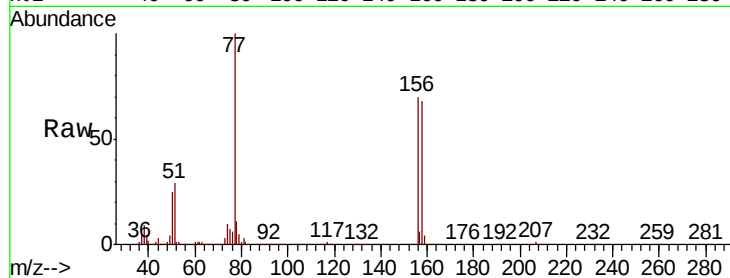
Tot Ion:156 Resp: 216945

Ion Ratio Lower Upper

156 100

77 161.8 80.9 242.7

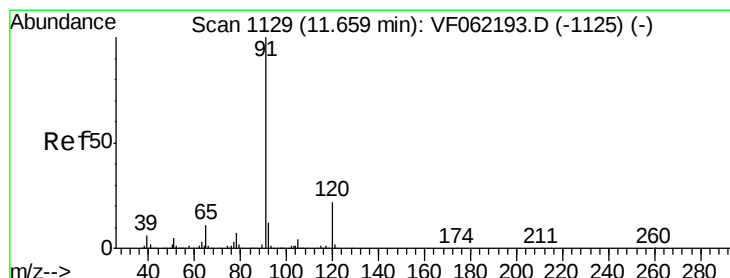
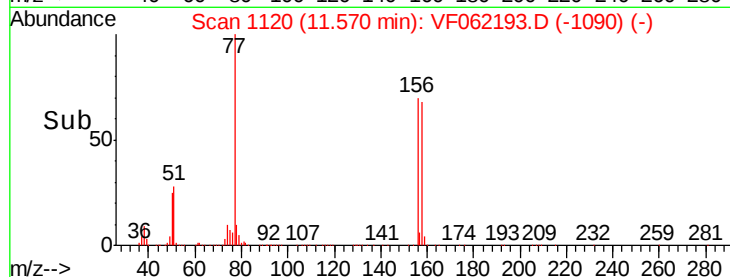
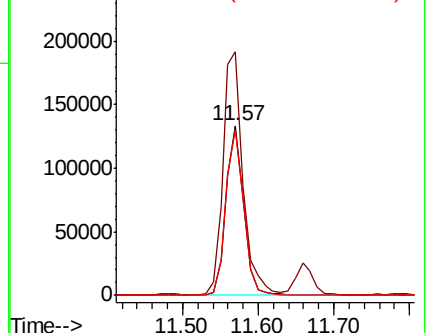
158 99.6 49.8 149.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.667 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062193.D

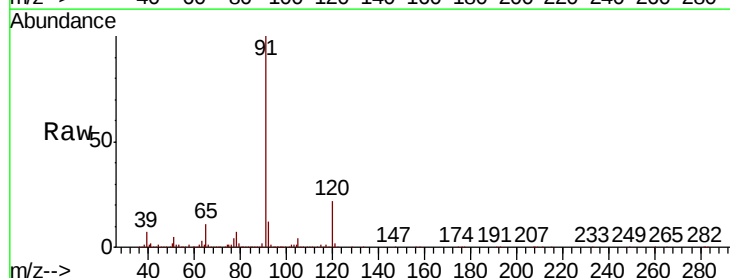
Acq: 17 Apr 2019 18:38

Tgt Ion: 91 Resp: 1045722

Ion Ratio Lower Upper

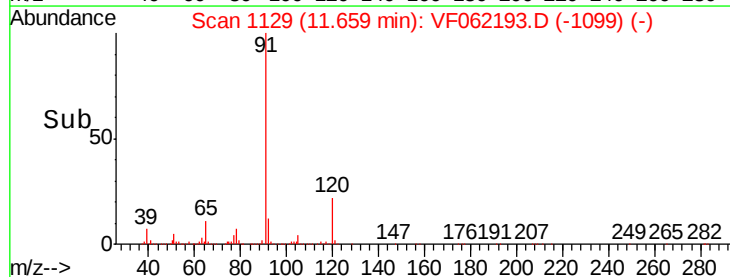
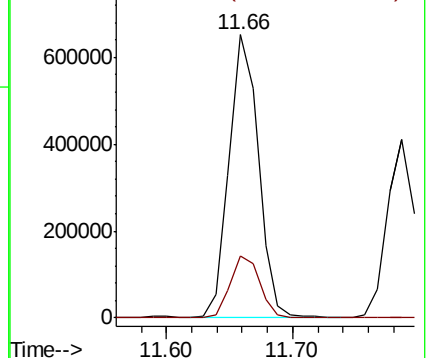
91 100

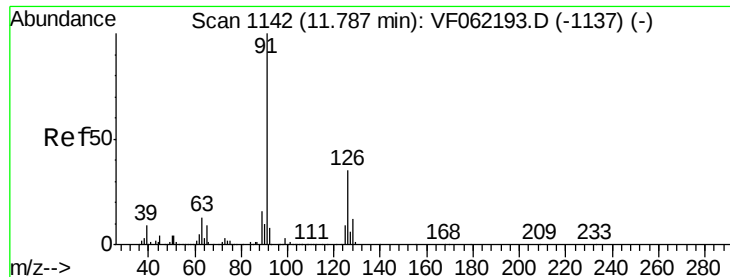
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.166 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

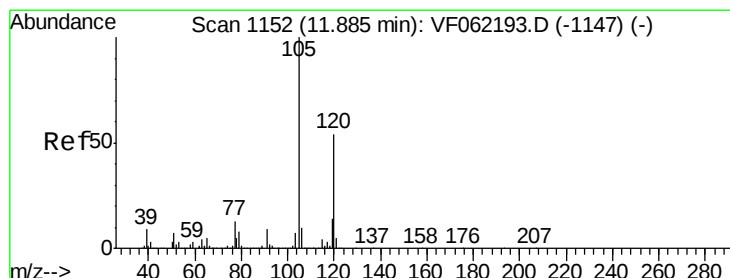
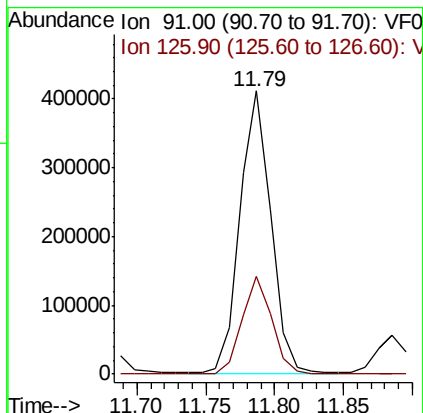
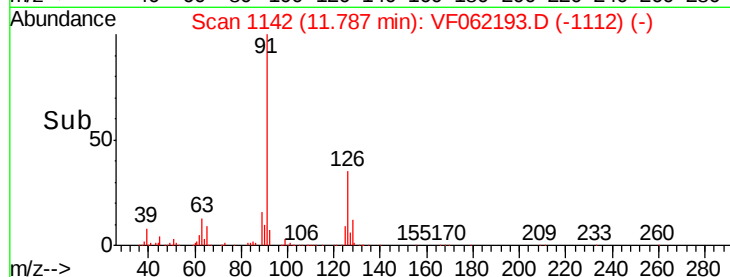
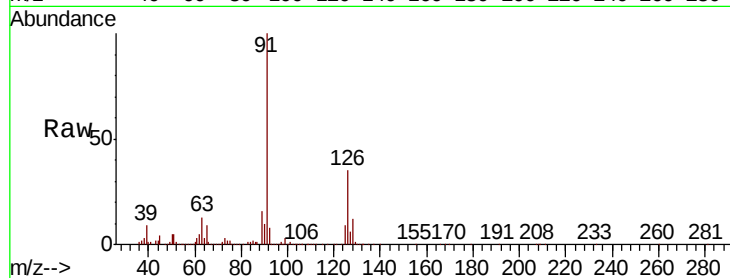
VSTDICCC050

Tot Ion: 91 Resp: 642106

Ion Ratio Lower Upper

91 100

126 33.7 16.9 50.6



#80

1,3,5-Trimethylbenzene

Concen: 54.767 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062193.D

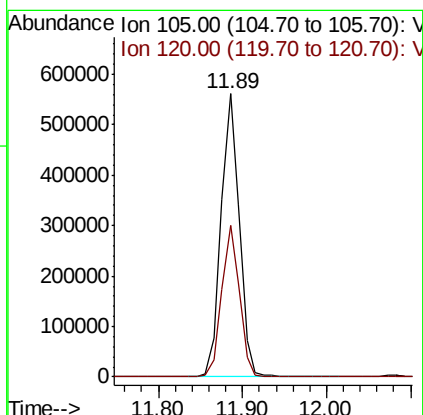
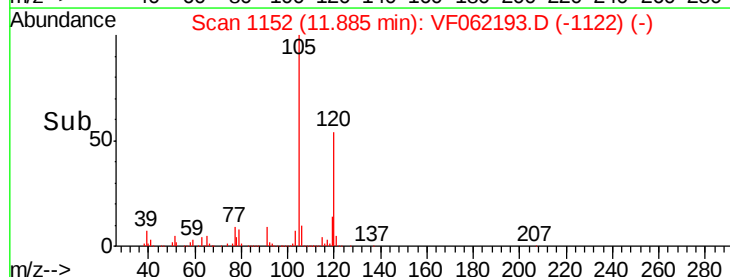
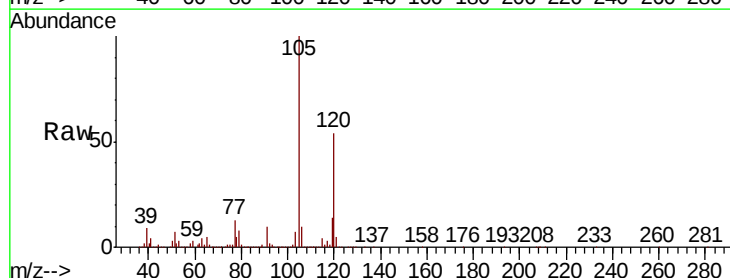
Acq: 17 Apr 2019 18:38

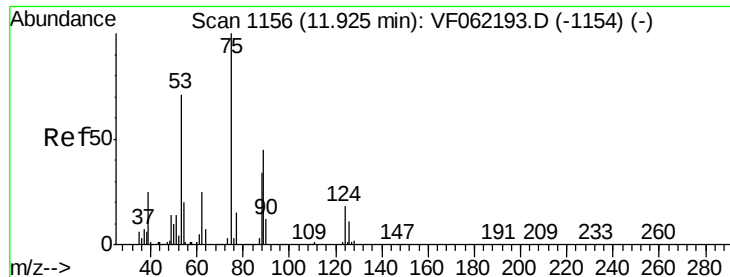
Tgt Ion:105 Resp: 843571

Ion Ratio Lower Upper

105 100

120 52.3 26.2 78.5





#81

trans-1,4-Dichloro-2-butene

Concen: 35.637 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

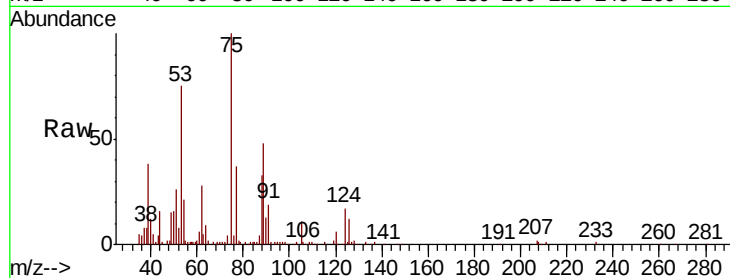
Tot Ion: 75 Resp: 73436

Ion Ratio Lower Upper

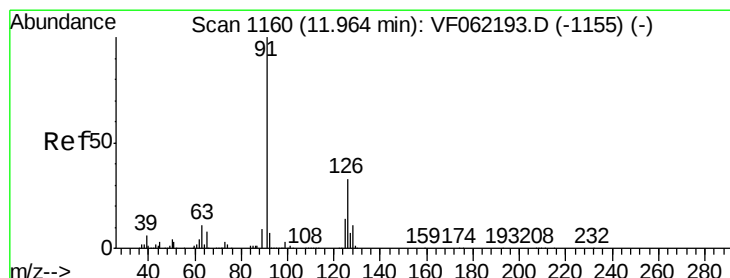
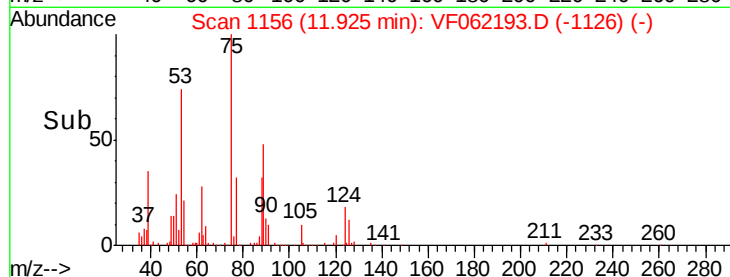
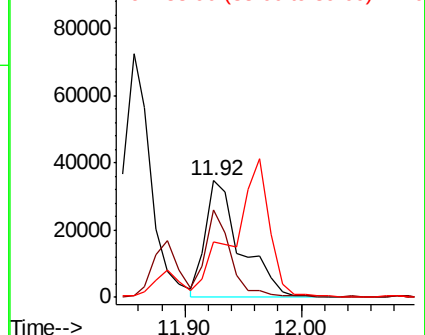
75 100

53 52.8 50.2 75.4

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 43.152 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF062193.D

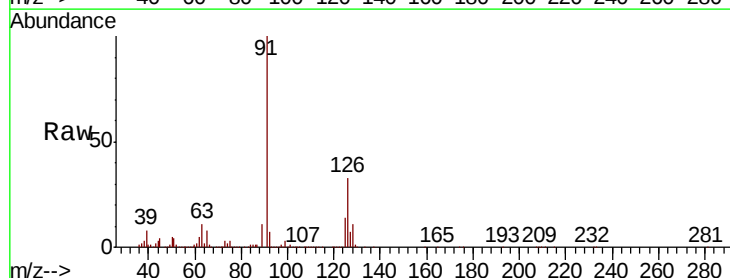
Acq: 17 Apr 2019 18:38

Tgt Ion: 91 Resp: 608907

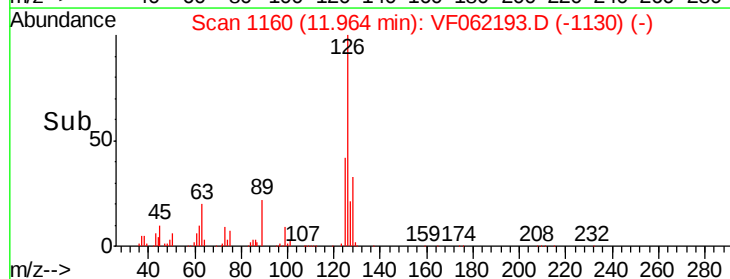
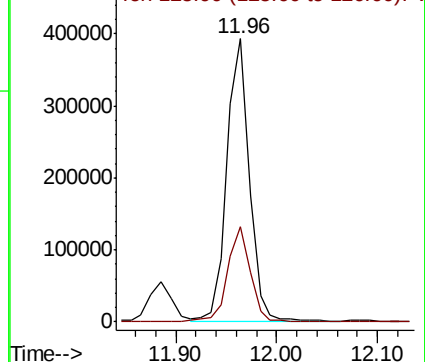
Ion Ratio Lower Upper

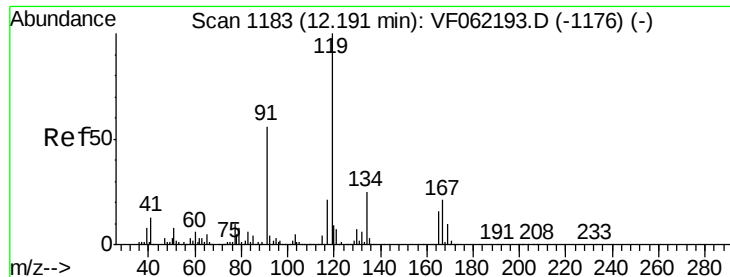
91 100

126 33.7 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 125.90 (125.60 to 126.60): V

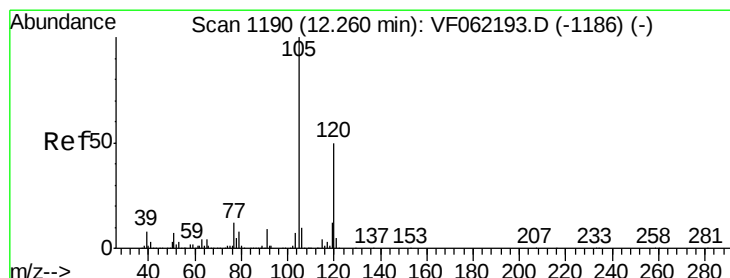
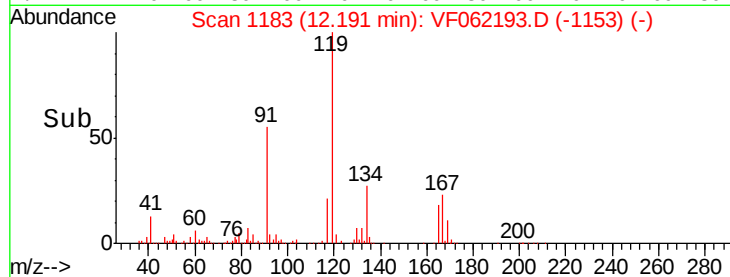
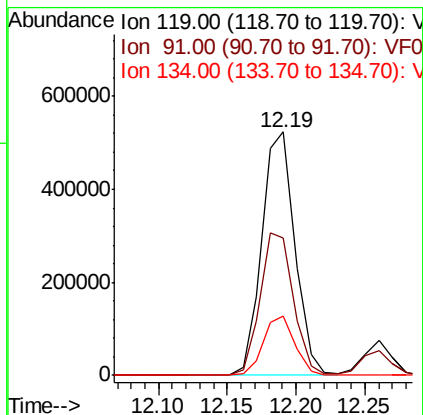
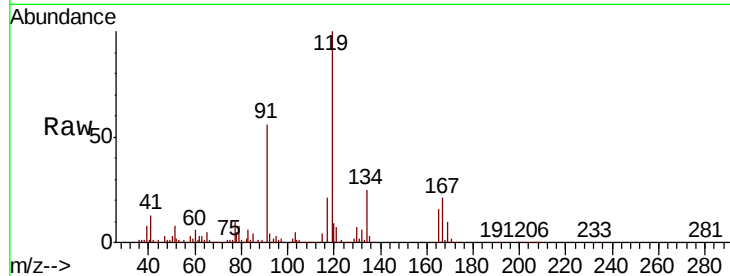




#83
 tert-Butylbenzene
 Concen: 58.254 ug/l
 RT: 12.19 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

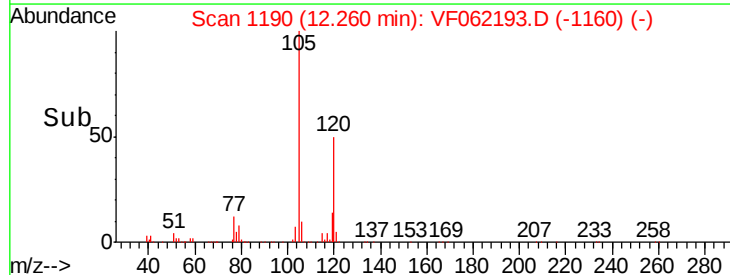
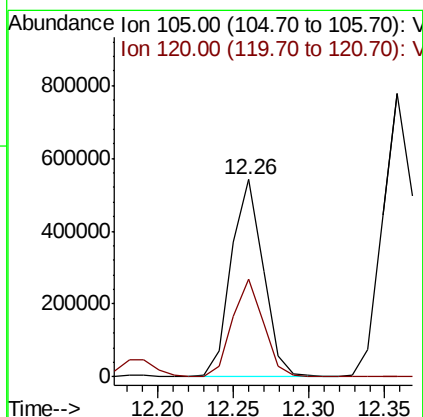
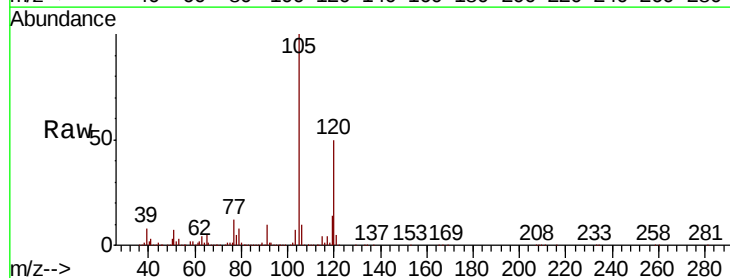
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

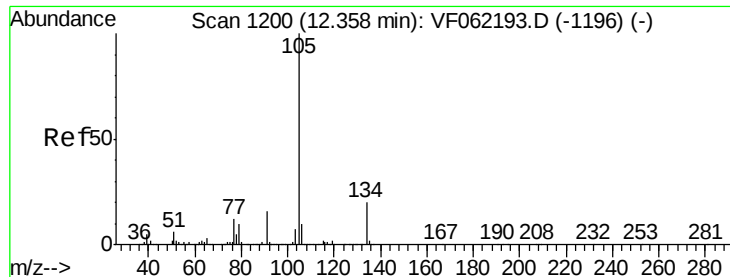
Tot Ion:119 Resp: 876206
 Ion Ratio Lower Upper
 119 100
 91 58.8 29.4 88.2
 134 23.5 11.8 35.3



#84
 1,2,4-Trimethylbenzene
 Concen: 51.312 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:105 Resp: 794936
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.0 72.0





#85

sec-Butylbenzene

Concen: 62.975 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

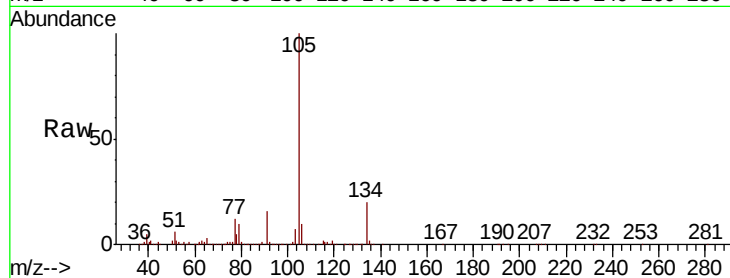
VSTDICCC050

Tot Ion:105 Resp: 1147514

Ion Ratio Lower Upper

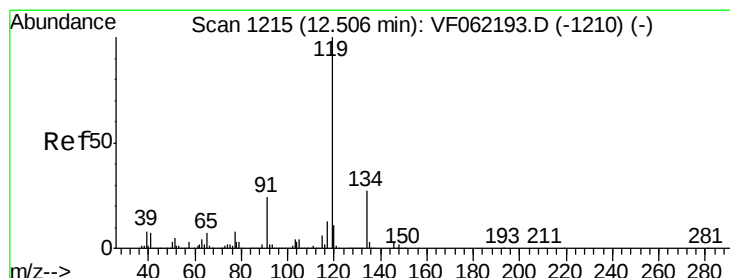
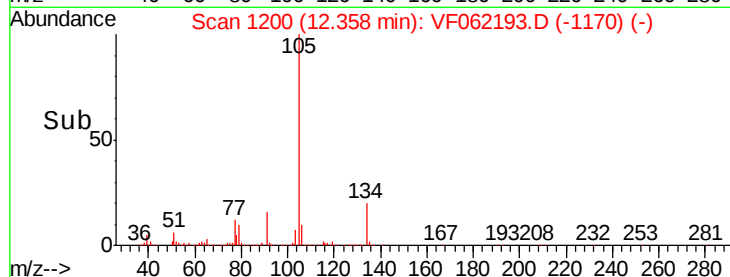
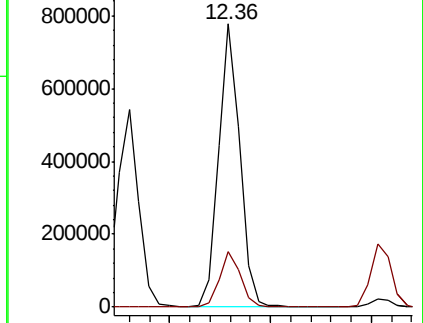
105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.291 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

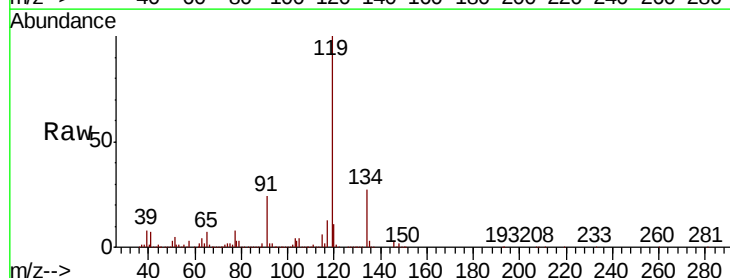
Tgt Ion:119 Resp: 958219

Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

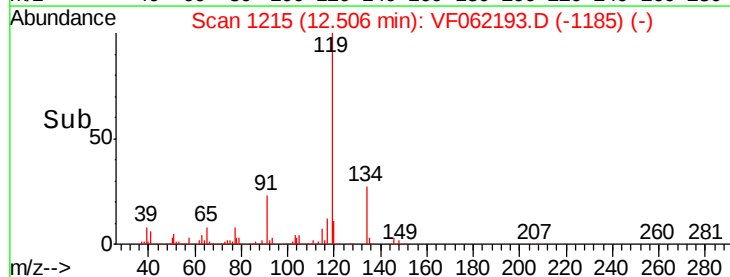
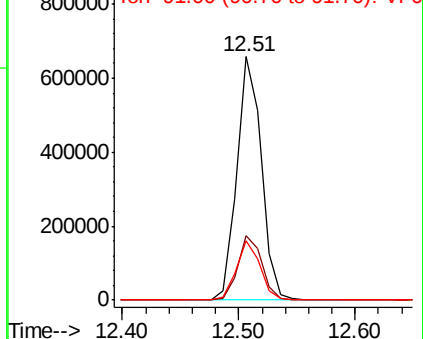
91 23.4 11.7 35.1

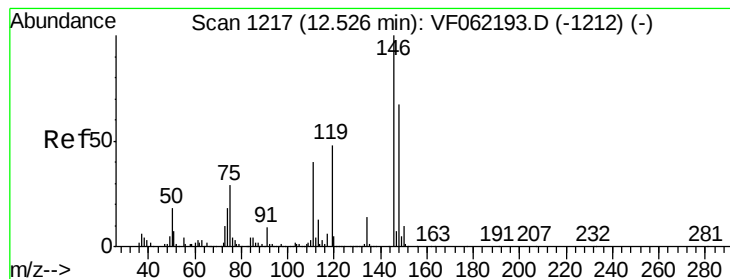


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 48.652 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

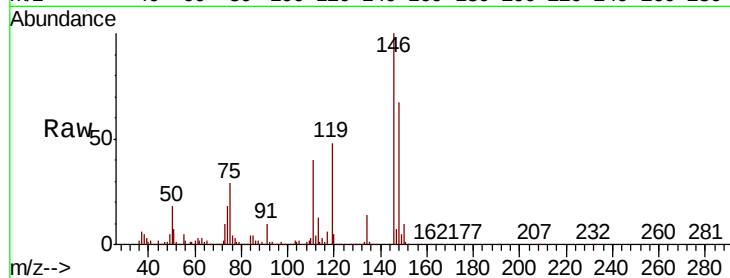
Tot Ion:146 Resp: 386693

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

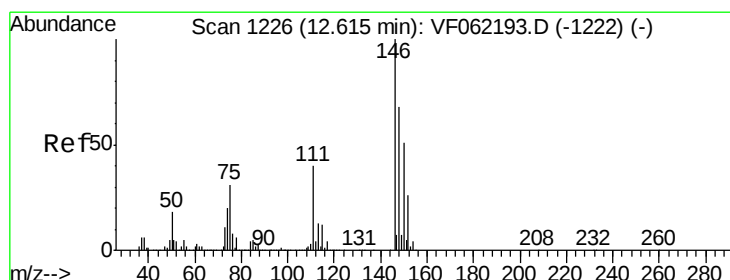
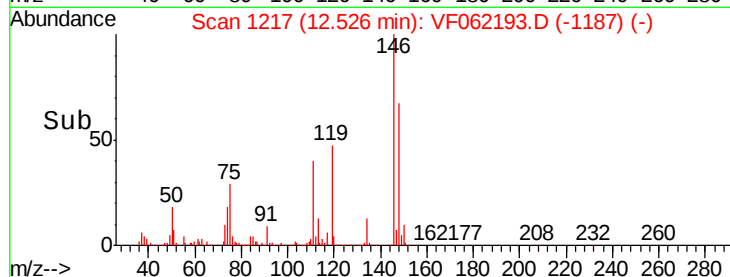
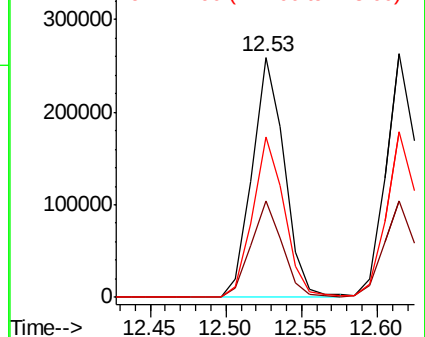
148 65.7 32.9 98.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.369 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

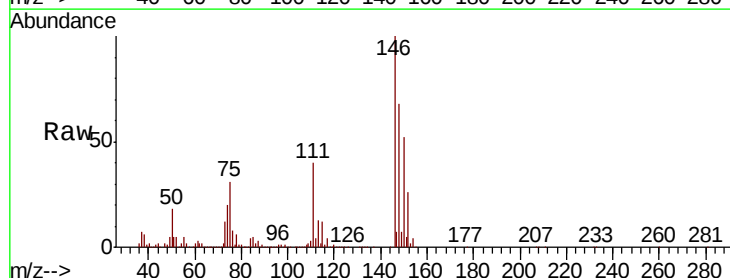
Tgt Ion:146 Resp: 380820

Ion Ratio Lower Upper

146 100

111 40.0 20.0 60.0

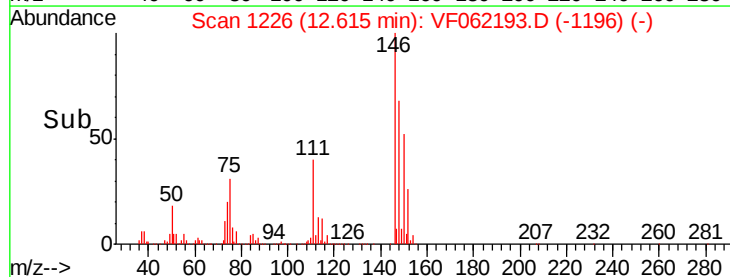
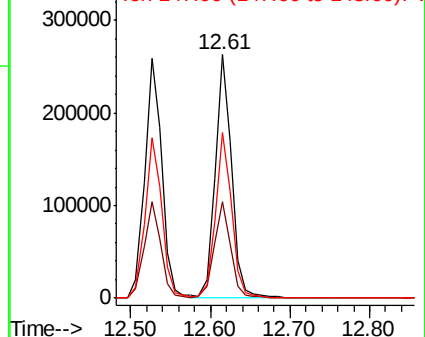
148 67.2 33.6 100.8

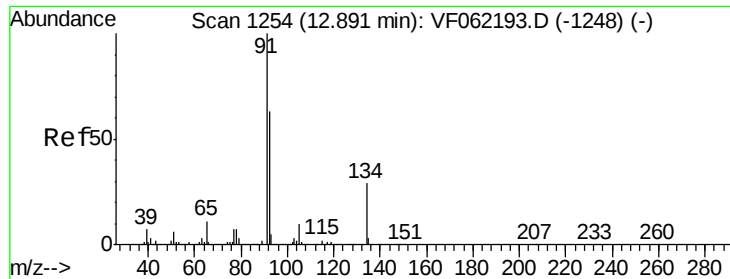


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

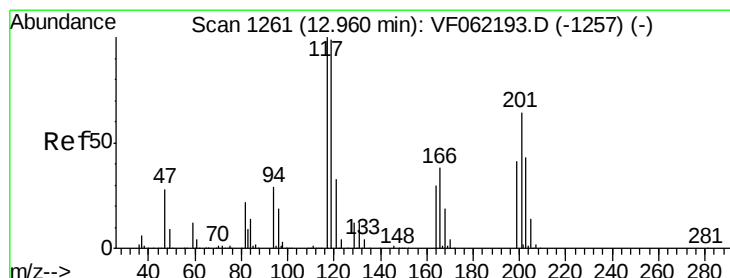
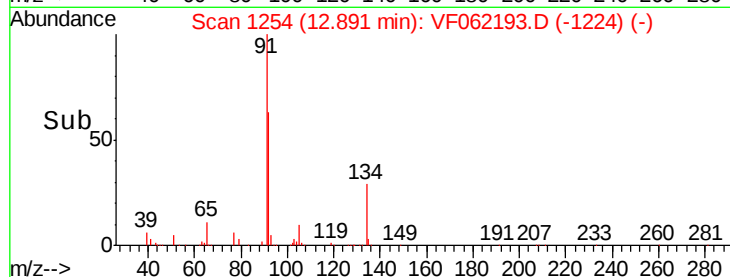
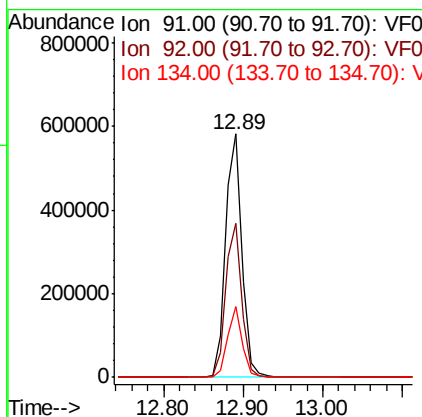
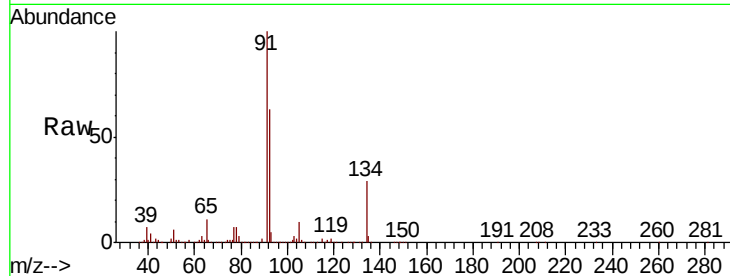




#89
n-Butylbenzene
Concen: 55.701 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

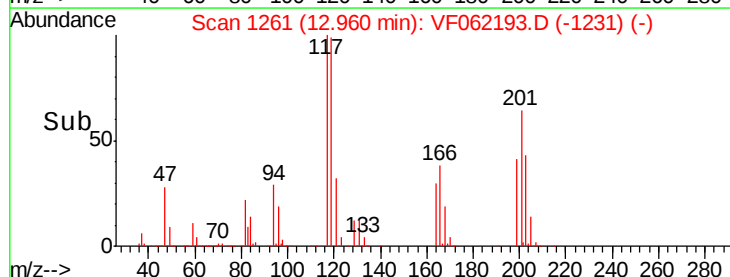
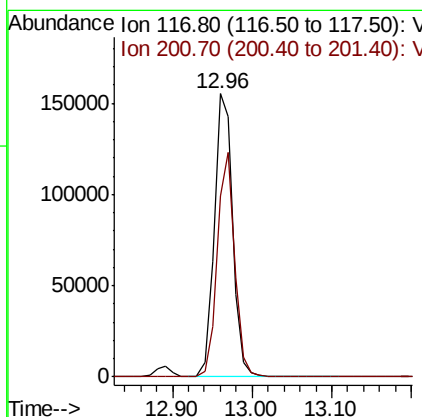
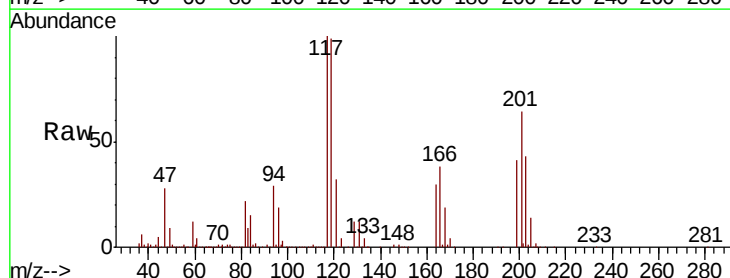
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

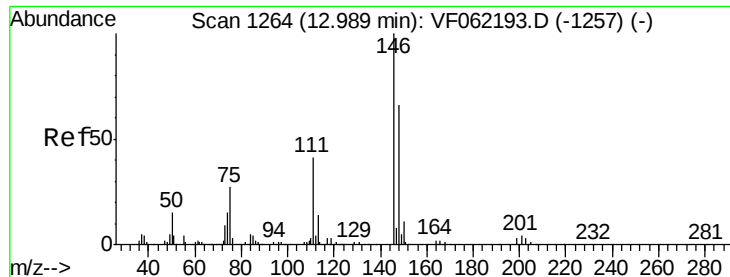
Tot Ion: 91 Resp: 840717
Ion Ratio Lower Upper
91 100
92 62.4 31.2 93.6
134 26.1 13.1 39.1



#90
Hexachloroethane
Concen: 83.841 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VF062193.D
Acq: 17 Apr 2019 18:38

Tgt Ion: 117 Resp: 252712
Ion Ratio Lower Upper
117 100
201 75.4 37.7 113.1

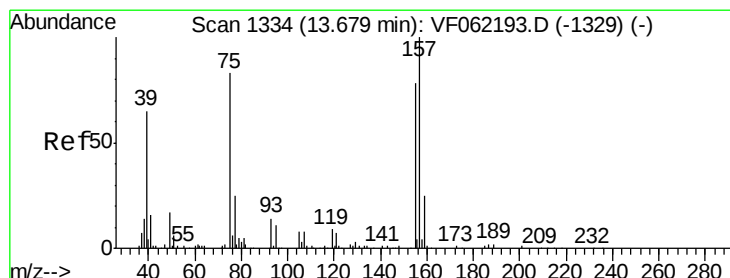
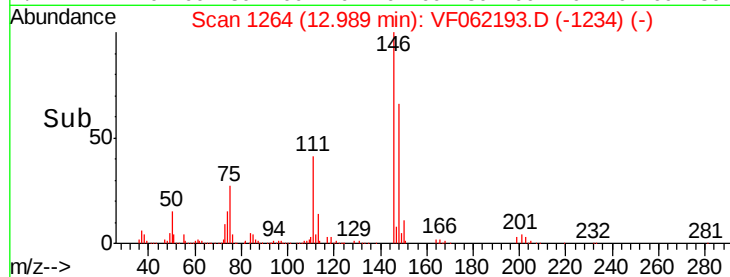
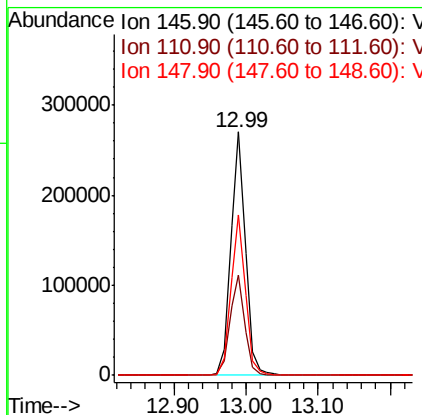
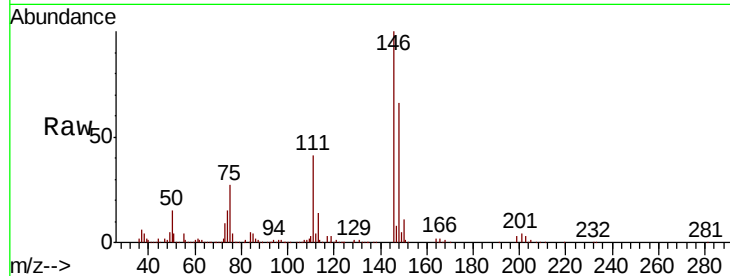




#91
 1,2-Dichlorobenzene
 Concen: 48.163 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

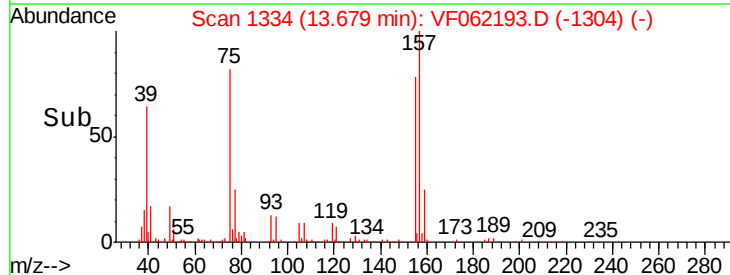
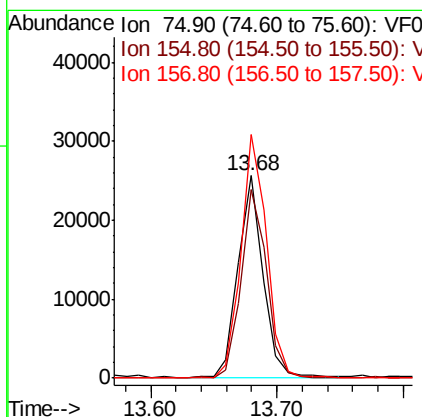
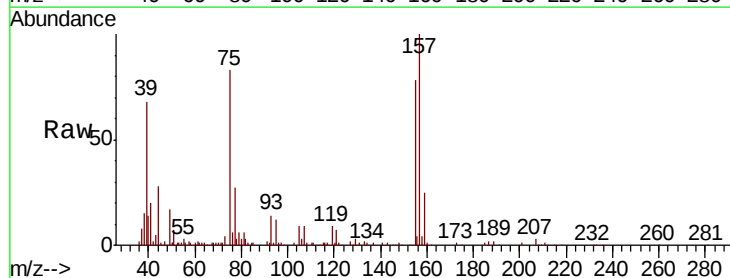
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

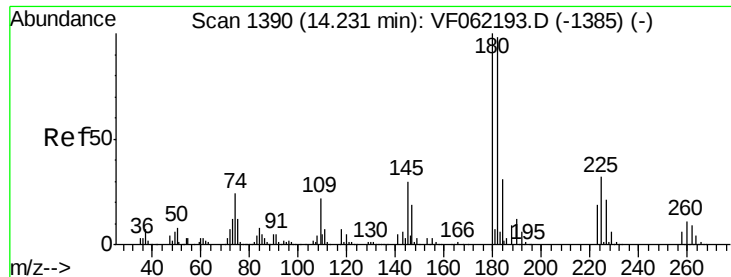
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	66.0	33.0	99.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.687 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	47.6	142.8
157	122.6	61.3	183.9

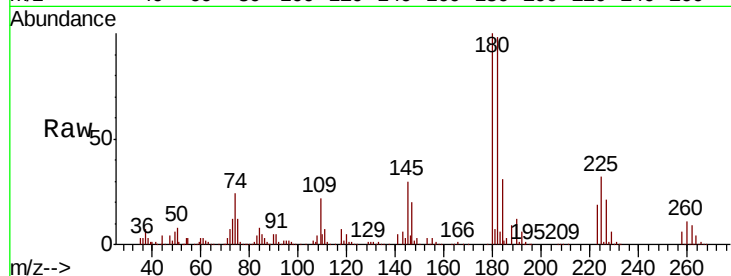




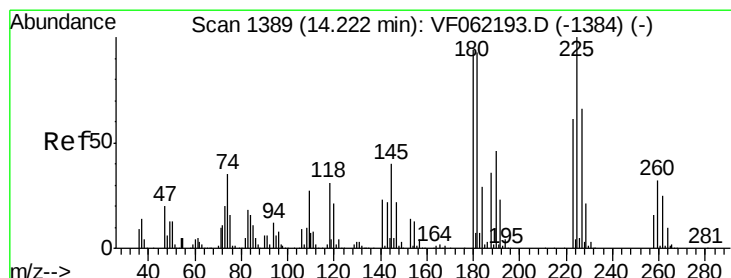
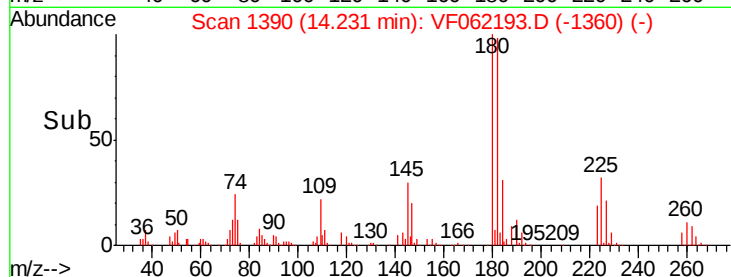
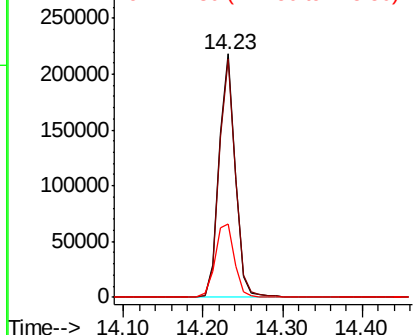
#93
 1,2,4-Trichlorobenzene
 Concen: 54.699 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 316868
 Ion Ratio Lower Upper
 180 100
 182 98.6 49.3 147.9
 145 36.3 18.1 54.4

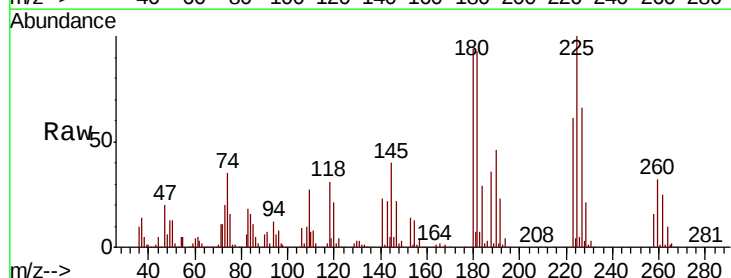


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

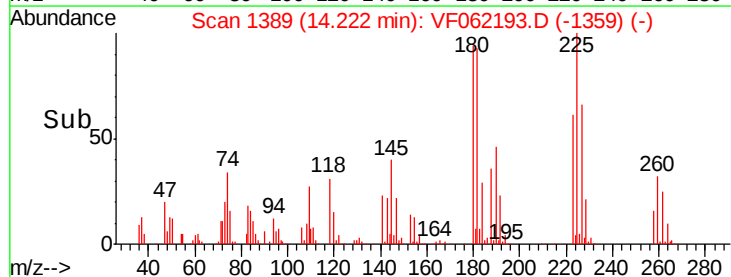
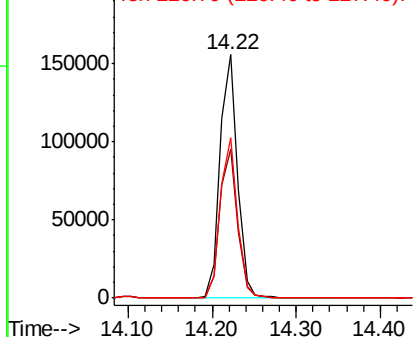


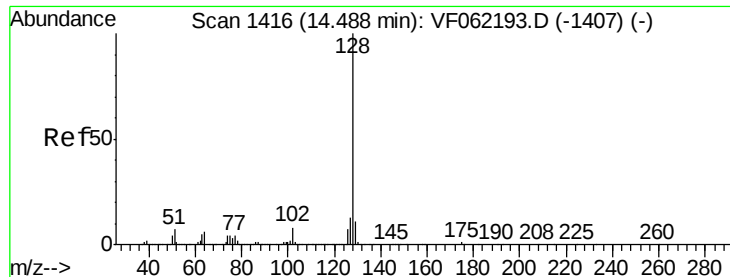
#94
 Hexachlorobutadiene
 Concen: 72.378 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062193.D
 Acq: 17 Apr 2019 18:38

Tgt Ion:225 Resp: 225387
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.0 93.0
 227 64.7 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 33.103 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

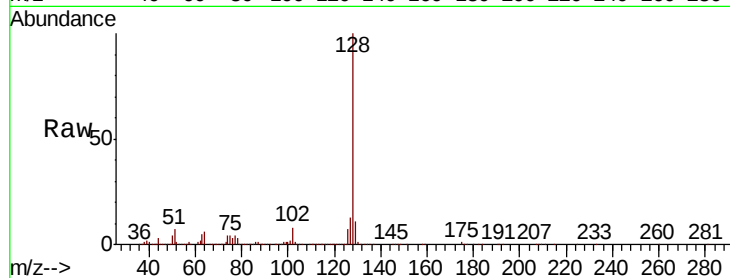
Tot Ion:128 Resp: 564398

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.5 9.2 13.8

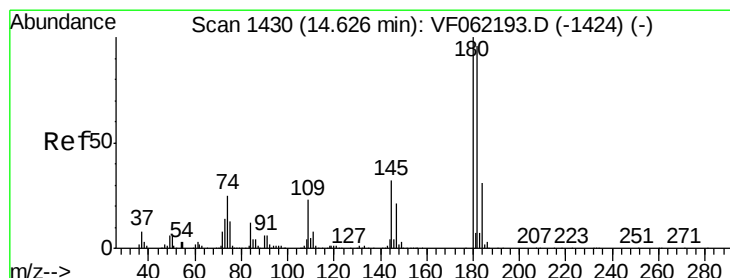
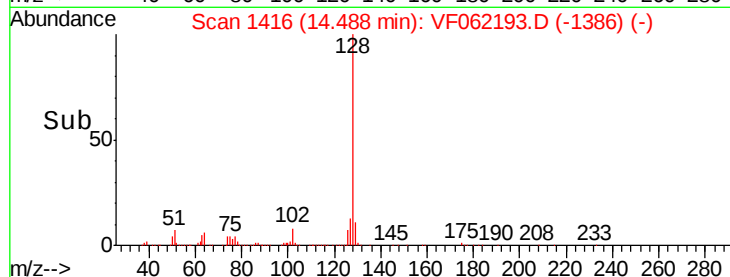
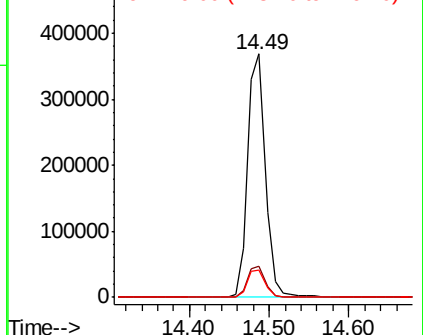


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 55.659 ug/l

RT: 14.63 min Scan# 1430

Delta R.T. 0.00 min

Lab File: VF062193.D

Acq: 17 Apr 2019 18:38

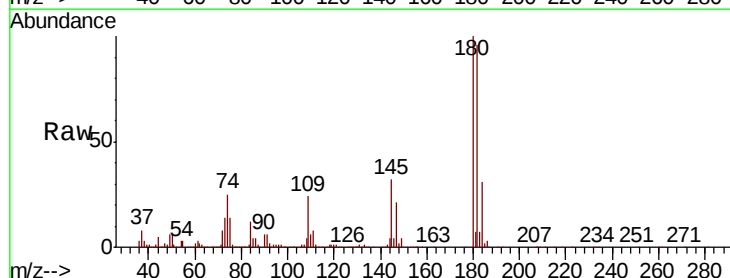
Tgt Ion:180 Resp: 320141

Ion Ratio Lower Upper

180 100

182 96.9 48.4 145.3

145 31.2 15.6 46.8



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

