

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062344.D
 Acq On : 6 May 2019 19:08
 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: May 07 03:41:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 03:35:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	313908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	437276	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	360491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	214551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	163427	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	4.30	113	179167	42.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.20%	
50) Toluene-d8	7.70	98	430535	42.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.46%	
62) 4-Bromofluorobenzene	11.49	95	177766	42.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	158884	35.991	ug/l	100
3) Chloromethane	1.16	50	102337	29.488	ug/l	100
4) Vinyl Chloride	1.19	62	106109	31.555	ug/l	100
5) Bromomethane	1.40	94	88226	36.042	ug/l	100
6) Chloroethane	1.44	64	56282	35.900	ug/l	100
7) Trichlorofluoromethane	1.56	101	239803	40.331	ug/l	100
8) Diethyl Ether	1.71	74	33158	33.432	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.92	101	133926	37.352	ug/l	100
10) Methyl Iodide	1.98	142	220504	35.808	ug/l	100
11) Tert butyl alcohol	2.70	59	39753	205.783	ug/l	100
12) 1,1-Dichloroethene	1.88	96	108787	34.648	ug/l	100
13) Acrolein	2.10	56	26556	182.911	ug/l	100
14) Allyl chloride	2.19	41	93452	29.268	ug/l	100
15) Acrylonitrile	3.09	53	80182	164.827	ug/l	100
16) Acetone	2.35	43	152544	210.674	ug/l	100
17) Carbon Disulfide	1.93	76	197830	25.188	ug/l	98
18) Methyl Acetate	2.47	43	54807	37.662	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	241679	39.035	ug/l	100
20) Methylene Chloride	2.34	84	71111	20.256	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	76368	24.859	ug/l	100
22) Diisopropyl ether	2.94	45	340186	36.589	ug/l	100
23) Vinyl Acetate	3.35	43	797897	191.932	ug/l	100
24) 1,1-Dichloroethane	3.01	63	204145	37.872	ug/l	100
25) 2-Butanone	4.53	43	191815	180.413	ug/l	100
26) 2,2-Dichloropropane	3.77	77	110556	39.236	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	140849	35.705	ug/l	100
28) Bromochloromethane	3.90	49	100037	42.086	ug/l	100
29) Tetrahydrofuran	4.26	42	83381	179.799	ug/l	100
30) Chloroform	4.05	83	280834	40.412	ug/l	100
31) Cyclohexane	3.88	56	156109	32.329	ug/l	100
32) 1,1,1-Trichloroethane	4.28	97	182203	35.703	ug/l	100
36) 1,1-Dichloropropene	4.47	75	180083	37.075	ug/l	100
37) Ethyl Acetate	4.30	43	76211	37.462	ug/l #	100
38) Carbon Tetrachloride	4.18	117	192606	38.598	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	186535	34.057	ug/l	100
40) Benzene	4.81	78	386358	34.176	ug/l	100
41) Methacrylonitrile	4.93	41	42367	37.628	ug/l	100
42) 1,2-Dichloroethane	5.13	62	171938	43.076	ug/l	100
43) Isopropyl Acetate	7.11	43	81076	37.018	ug/l	100
44) Trichloroethene	5.68	130	147271	37.396	ug/l	100
45) 1,2-Dichloropropane	6.40	63	92178	35.697	ug/l	100
46) Dibromomethane	6.25	93	75633	38.855	ug/l	100
47) Bromodichloromethane	6.55	83	189523	40.495	ug/l	100
48) Methyl methacrylate	6.87	41	60408	39.293	ug/l	100
49) 1,4-Dioxane	6.86	88	12732	746.993	ug/l	100
51) 4-Methyl-2-Pentanone	8.40	43	313730	192.335	ug/l	100
52) Toluene	7.77	92	239337	35.976	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	145517	42.068	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	169897	39.368	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	79969	40.242	ug/l	100
56) Ethyl methacrylate	8.76	69	81068	37.844	ug/l	100
57) 1,3-Dichloropropane	8.99	76	117906	38.695	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.45	63	118827	187.277	ug/l	100
59) 2-Hexanone	9.61	43	214860	190.852	ug/l	100
60) Dibromochloromethane	8.86	129	132624	40.791	ug/l	100
61) 1,2-Dibromoethane	9.12	107	94420	40.702	ug/l	100
64) Tetrachloroethene	8.30	164	140865	38.644	ug/l	100
65) Chlorobenzene	9.93	112	291352	37.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	148266	39.062	ug/l	100
67) Ethyl Benzene	10.03	91	509022	37.304	ug/l	100
68) m/p-Xylenes	10.26	106	360305	71.860	ug/l	100
69) o-Xylene	10.82	106	203724	36.298	ug/l	100
70) Styrene	10.89	104	300295	36.891	ug/l	100
71) Bromoform	10.88	173	83226	39.261	ug/l #	100
73) Isopropylbenzene	11.21	105	627350	36.078	ug/l	100
74) N-amyl acetate	11.45	43	125032	32.631	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.76	83	99310	36.216	ug/l	100
76) 1,2,3-Trichloropropane	11.86	75	72673	36.377	ug/l #	100
77) Bromobenzene	11.58	156	164743	37.470	ug/l	100
78) n-propylbenzene	11.66	91	646274	35.690	ug/l	100
79) 2-Chlorotoluene	11.79	91	410774	36.911	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	539971	36.892	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	39911	48.426	ug/l #	67
82) 4-Chlorotoluene	11.97	91	403466	36.903	ug/l	100
83) tert-Butylbenzene	12.20	119	578804	37.888	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	536320	37.367	ug/l	100
85) sec-Butylbenzene	12.36	105	691399	36.759	ug/l	100
86) p-Isopropyltoluene	12.51	119	638742	37.614	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	286089	36.977	ug/l	100
88) 1,4-Dichlorobenzene	12.62	146	290677	38.853	ug/l	100
89) n-Butylbenzene	12.90	91	558081	36.616	ug/l	100
90) Hexachloroethane	12.97	117	163994	38.014	ug/l	100
91) 1,2-Dichlorobenzene	13.00	146	283081	37.892	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21462	37.489	ug/l	100

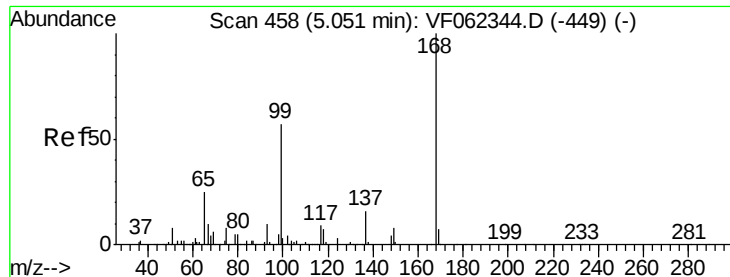
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
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Quant Title : SW846 8260
QLast Update : Tue May 07 03:35:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	257068	38.715	ug/l	100
94) Hexachlorobutadiene	14.23	225	194389	40.022	ug/l	100
95) Naphthalene	14.49	128	398034	38.472	ug/l	100
96) 1,2,3-Trichlorobenzene	14.63	180	254851	39.957	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

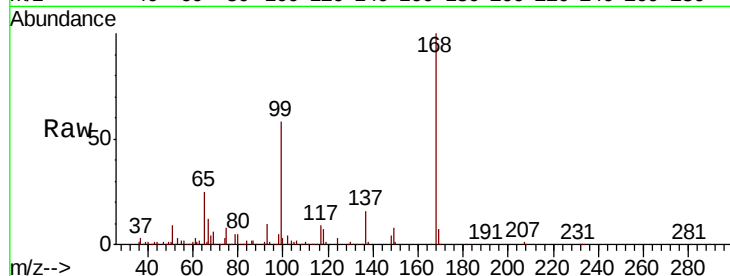
VSTDICCC050

Tot Ion:168 Resp: 313908

Ion Ratio Lower Upper

168 100

99 57.4 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

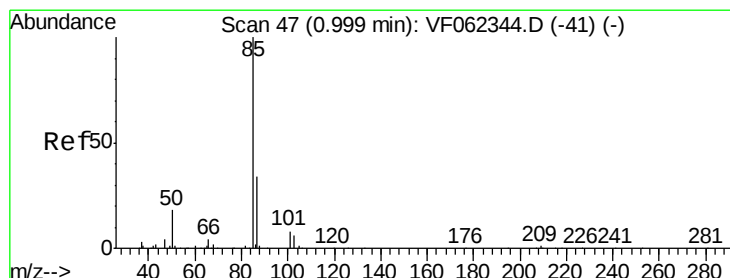
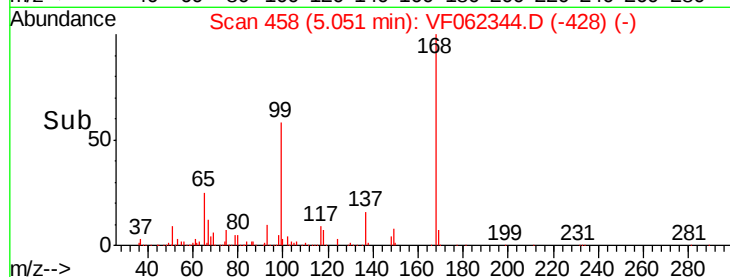
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 35.991 ug/l

RT: 1.00 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF062344.D

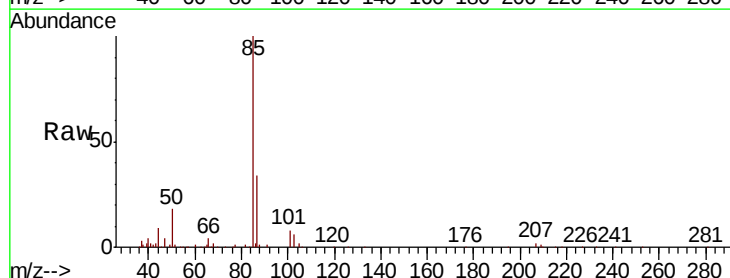
Acq: 6 May 2019 19:08

Tgt Ion: 85 Resp: 158884

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

40000

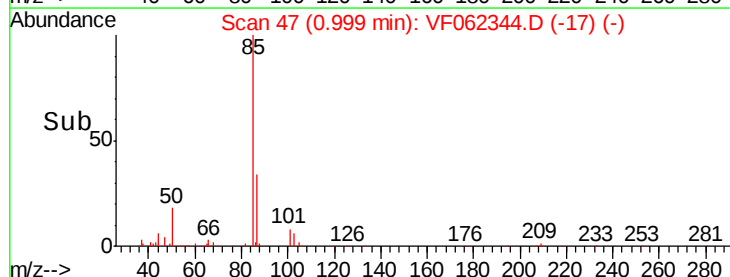
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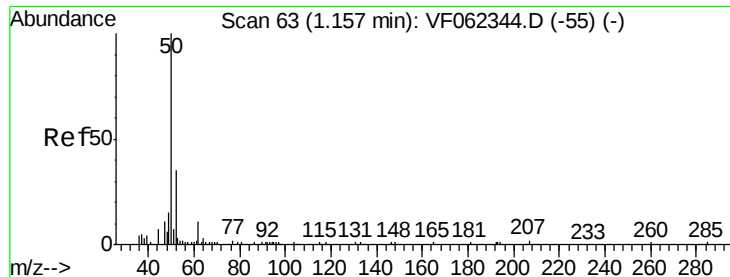
20000

10000

0

Time-->





#3

Chloromethane

Concen: 29.488 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

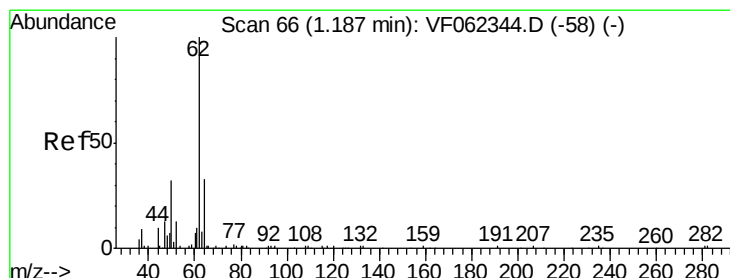
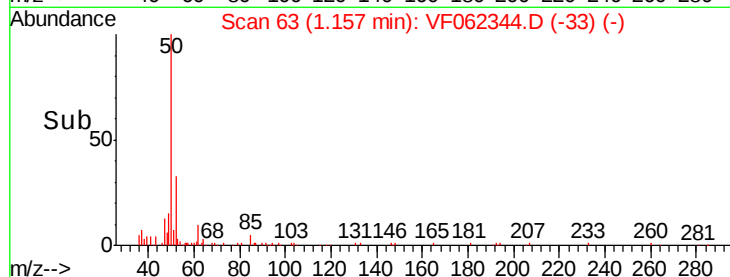
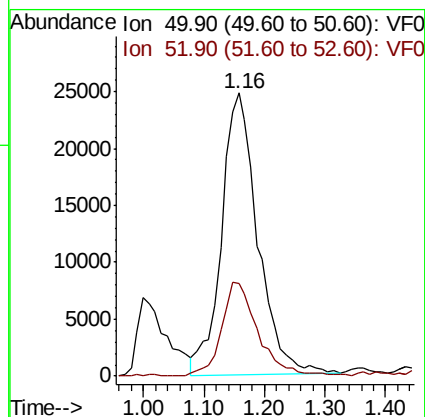
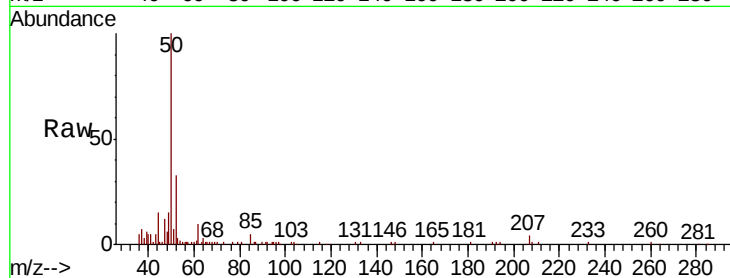
VSTDICCC050

Tot Ion: 50 Resp: 102337

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 31.555 ug/l

RT: 1.19 min Scan# 66

Delta R.T. 0.00 min

Lab File: VF062344.D

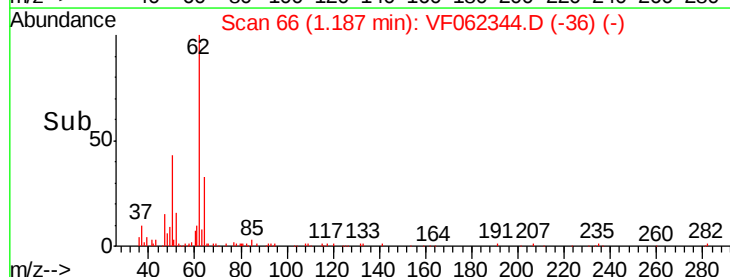
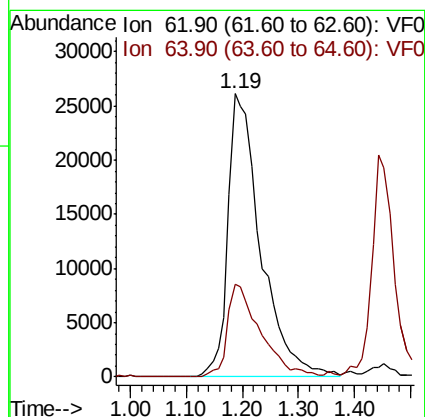
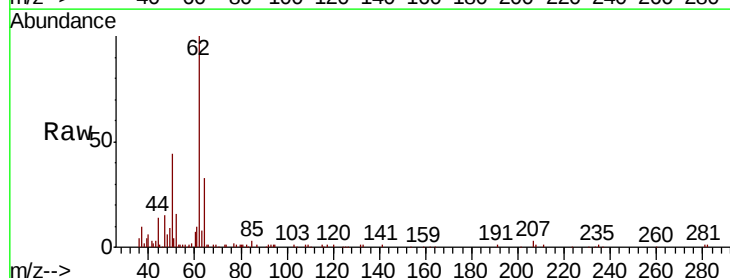
Acq: 6 May 2019 19:08

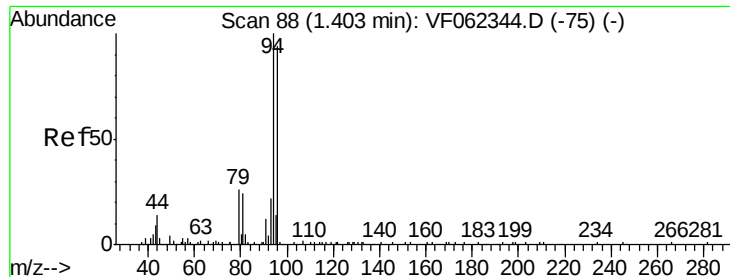
Tgt Ion: 62 Resp: 106109

Ion Ratio Lower Upper

62 100

64 32.6 26.1 39.1





#5

Bromomethane

Concen: 36.042 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

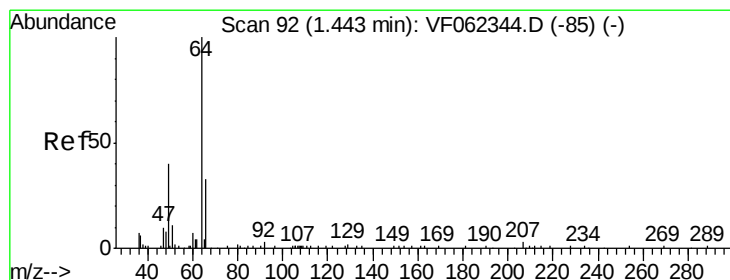
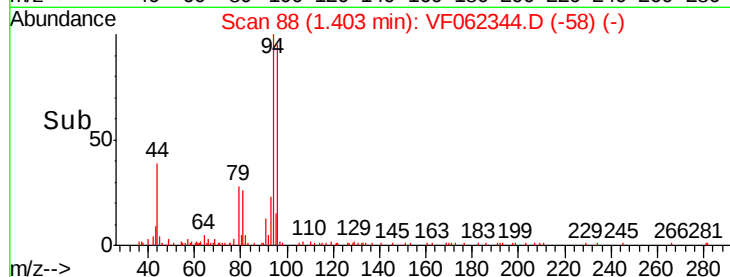
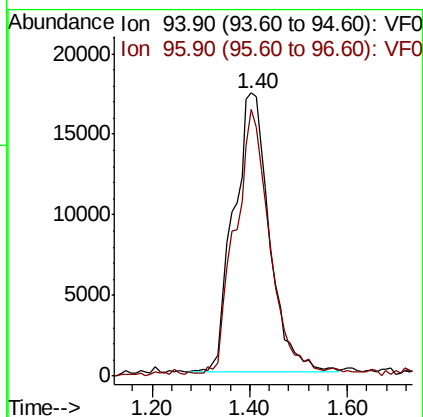
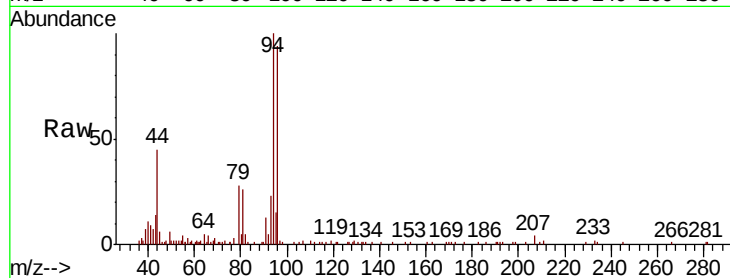
VSTDICCC050

Tot Ion: 94 Resp: 88226

Ion Ratio Lower Upper

94 100

96 94.3 75.4 113.2



#6

Chloroethane

Concen: 35.900 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VF062344.D

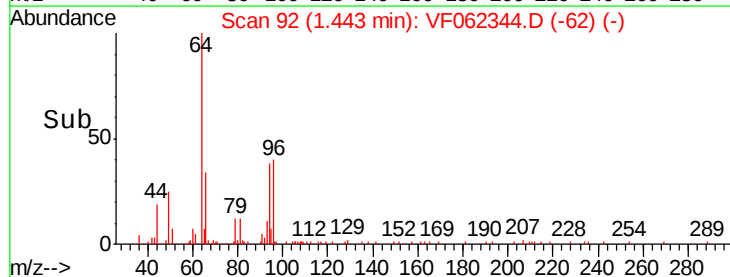
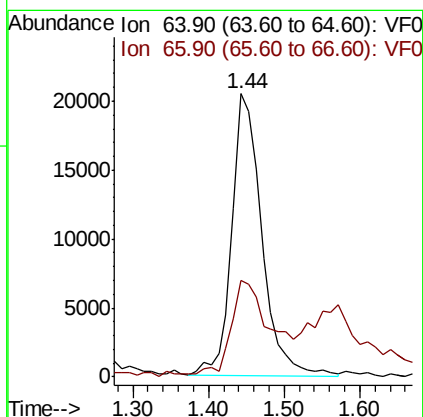
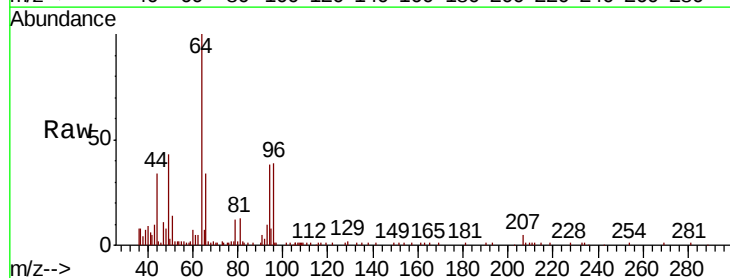
Acq: 6 May 2019 19:08

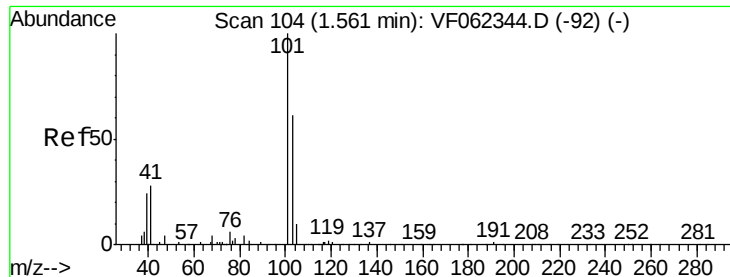
Tgt Ion: 64 Resp: 56282

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8



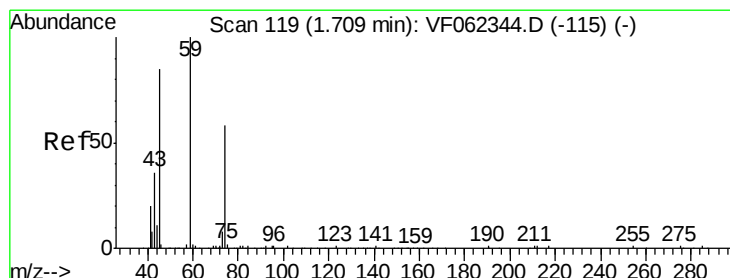
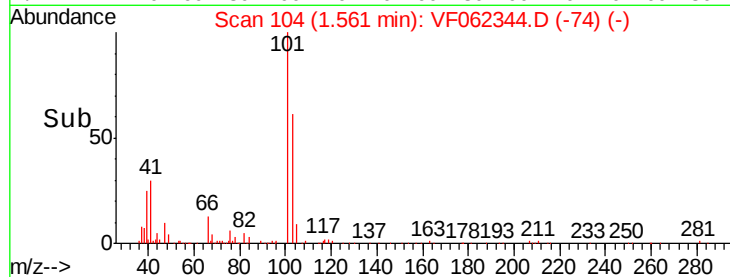
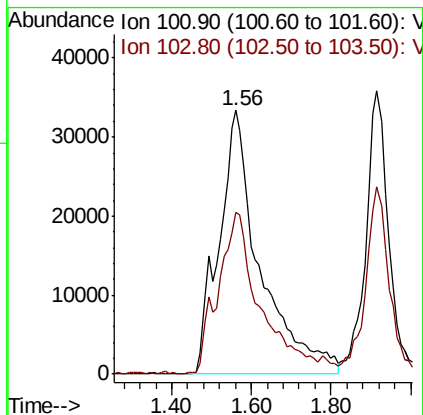
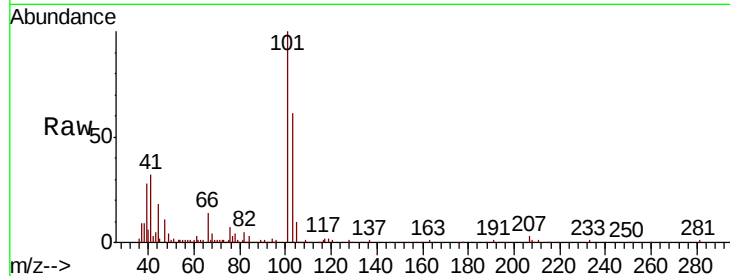


#7

Trichlorofluoromethane
Concen: 40.331 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Instrument :
MSVOA_F
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VSTDICCC050

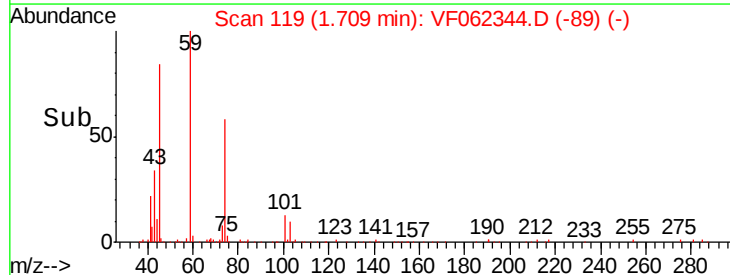
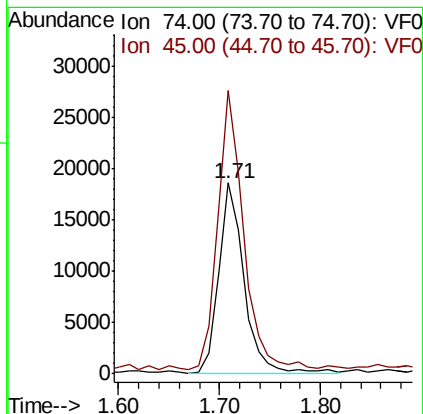
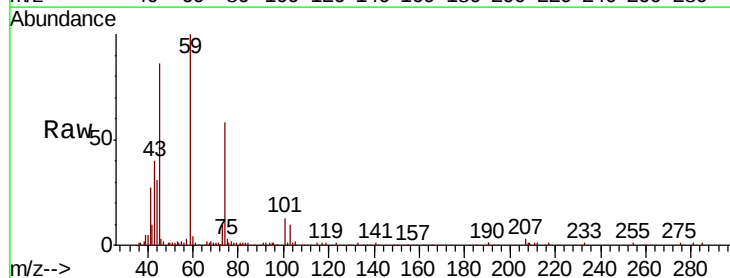
Tot Ion:101 Resp: 239803
Ion Ratio Lower Upper
101 100
103 60.6 48.5 72.7



#8

Diethyl Ether
Concen: 33.432 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 74 Resp: 33158
Ion Ratio Lower Upper
74 100
45 147.7 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.352 ug/l

RT: 1.92 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

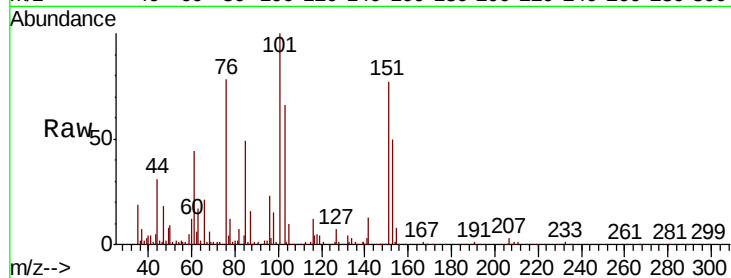
Tot Ion:101 Resp: 133926

Ion Ratio Lower Upper

101 100

85 49.4 39.5 59.3

151 74.9 59.9 89.9

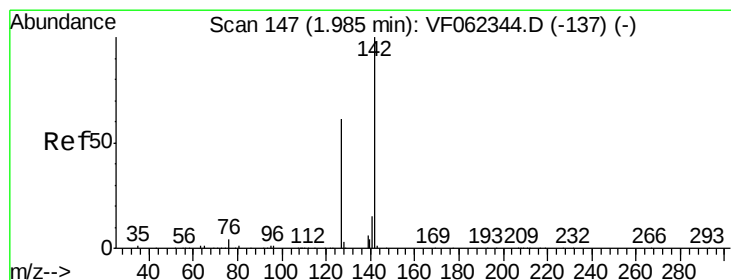
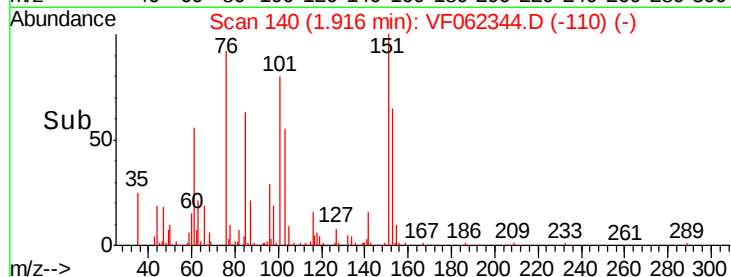
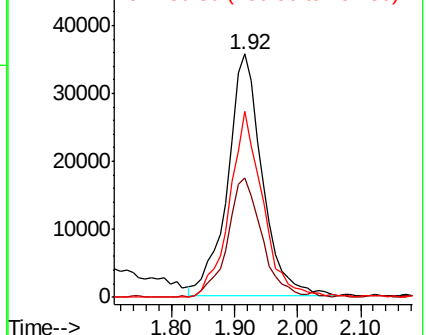


Abundance

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: 35.808 ug/l

RT: 1.98 min Scan# 147

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

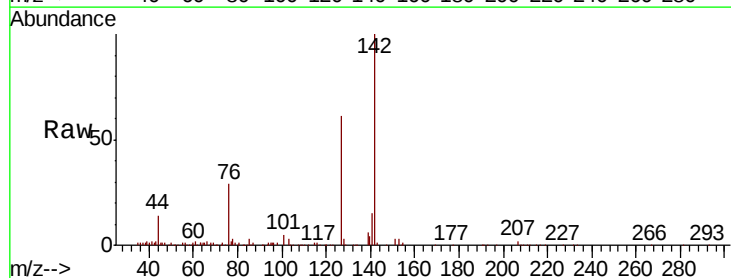
Tgt Ion:142 Resp: 220504

Ion Ratio Lower Upper

142 100

127 60.5 48.4 72.6

141 15.3 12.2 18.4

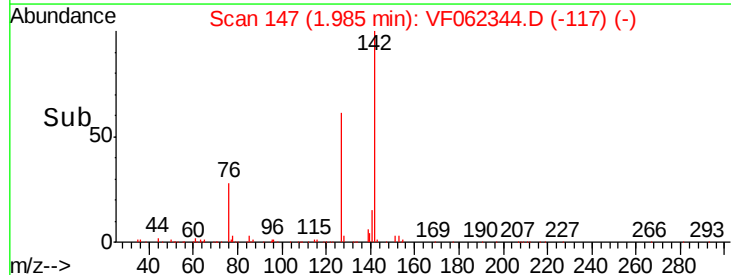
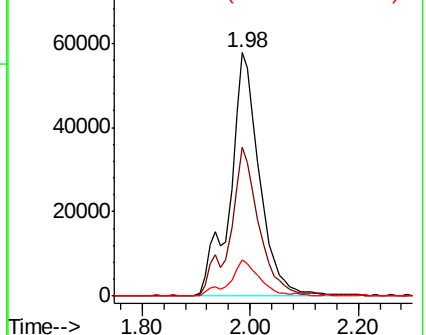


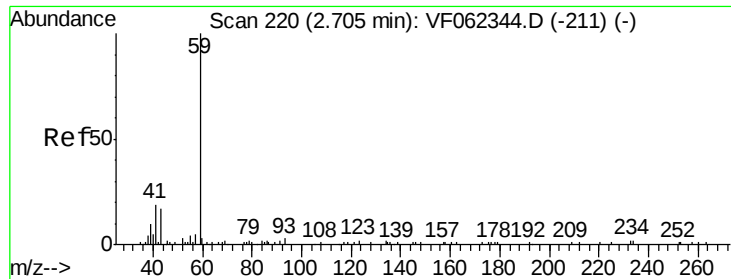
Abundance

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



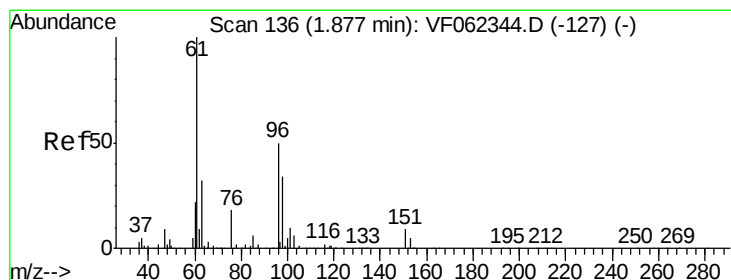
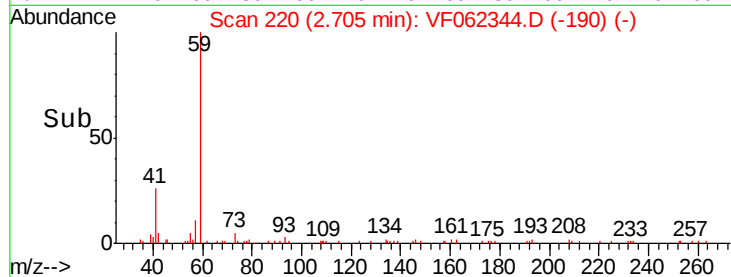
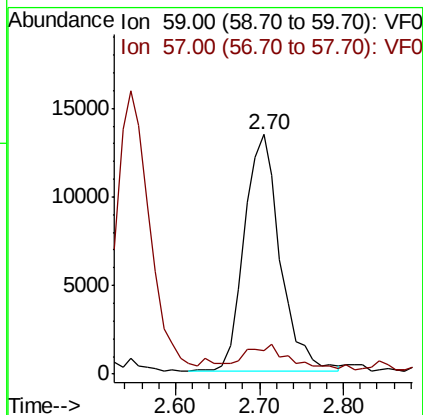
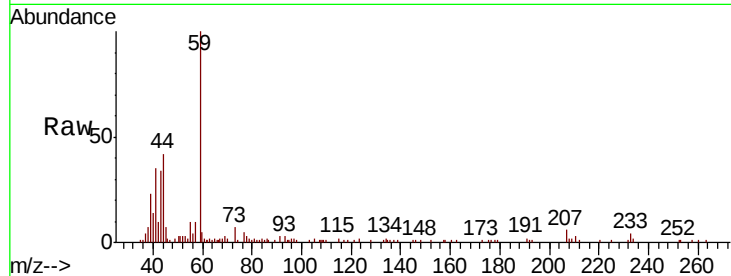


#11

Tert butyl alcohol
 Concen: 205.783 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

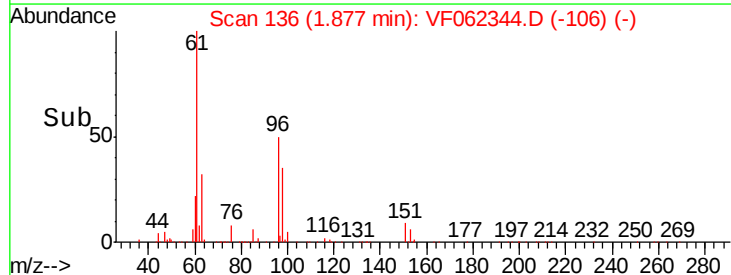
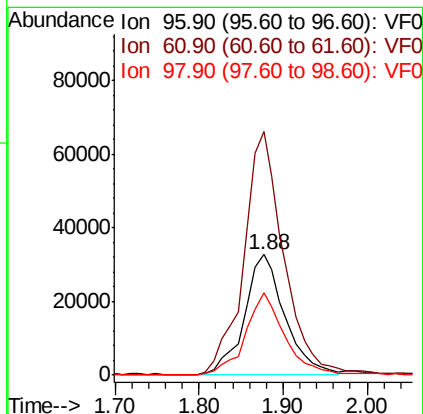
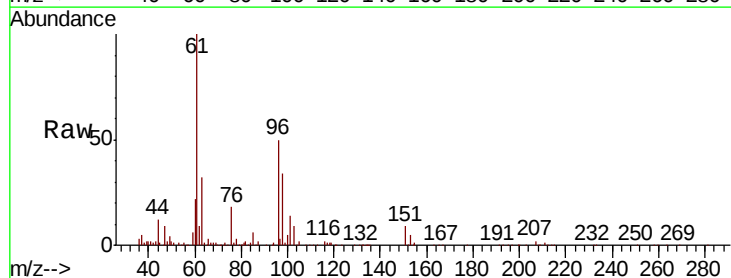
Tot Ion: 59 Resp: 39753
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.3 13.9

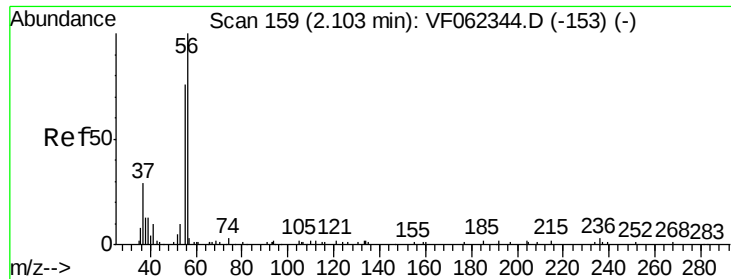


#12

1,1-Dichloroethene
 Concen: 34.648 ug/l
 RT: 1.88 min Scan# 136
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Tgt Ion: 96 Resp: 108787
 Ion Ratio Lower Upper
 96 100
 61 204.0 163.2 244.8
 98 69.0 55.2 82.8

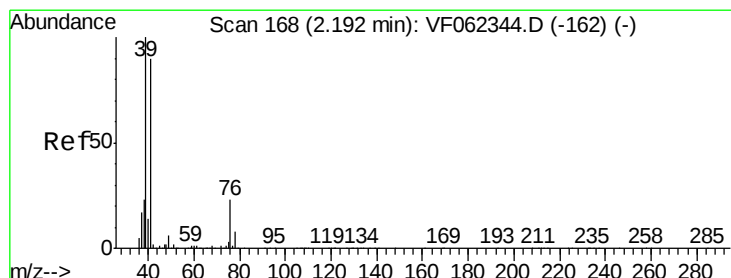
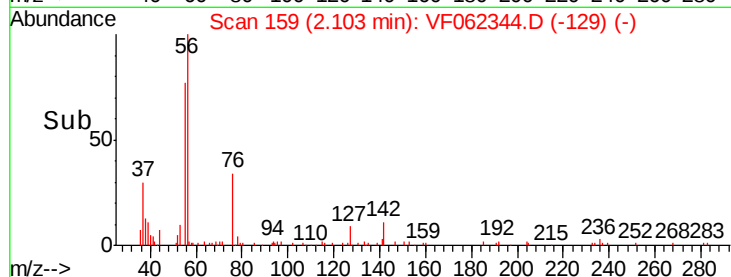
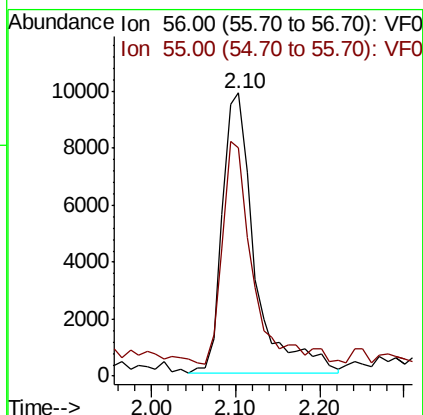
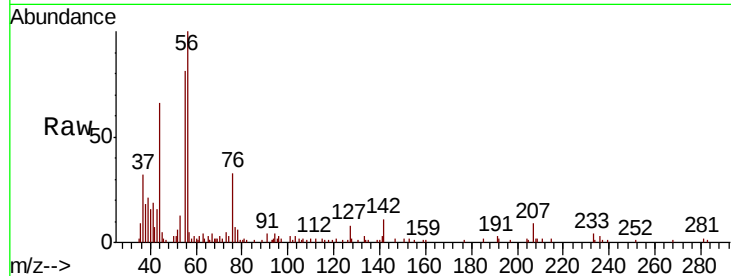




#13
Acrolein
Concen: 182.911 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

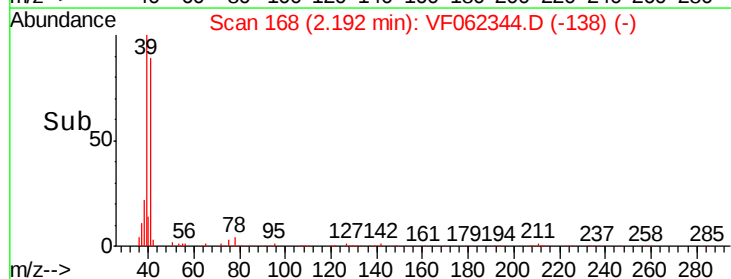
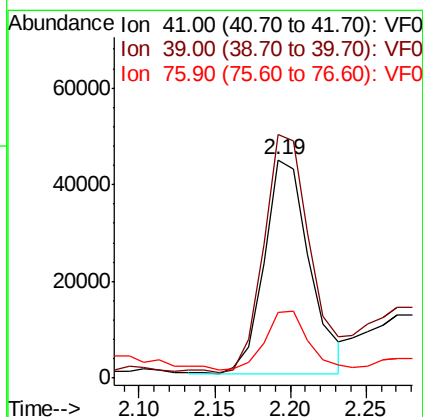
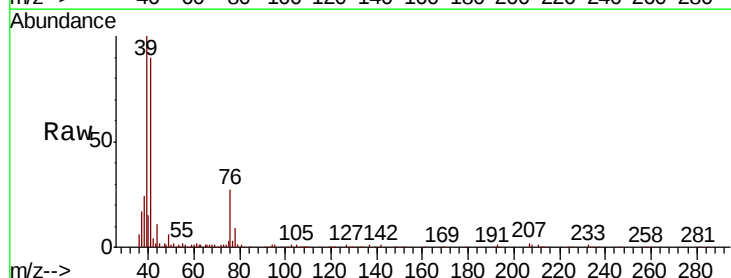
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

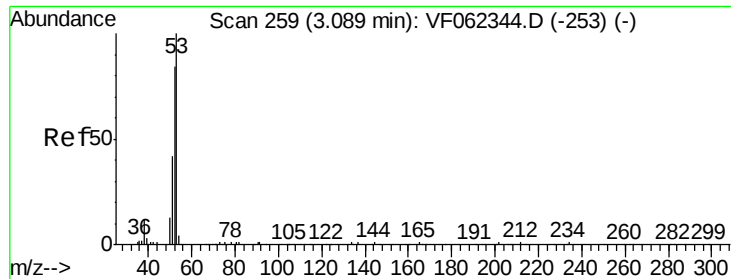
Tot Ion: 56 Resp: 26556
Ion Ratio Lower Upper
56 100
55 73.0 58.4 87.6



#14
Allyl chloride
Concen: 29.268 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 41 Resp: 93452
Ion Ratio Lower Upper
41 100
39 113.5 90.8 136.2
76 27.8 22.2 33.4





#15

Acrylonitrile

Concen: 164.827 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

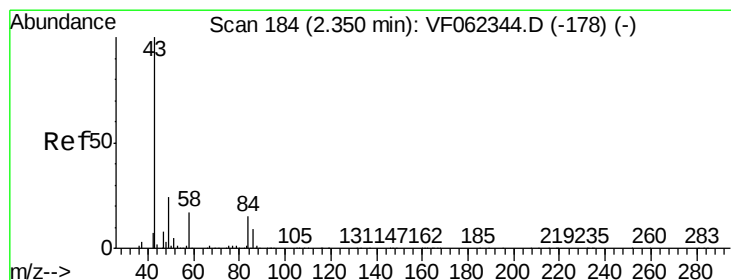
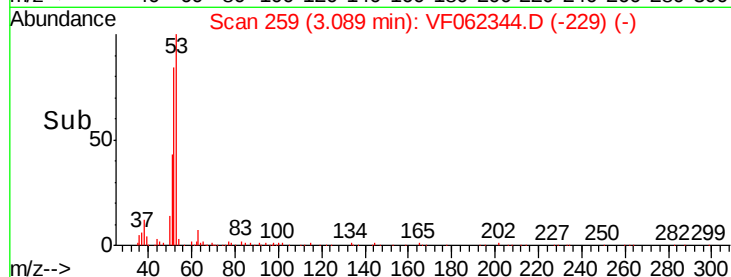
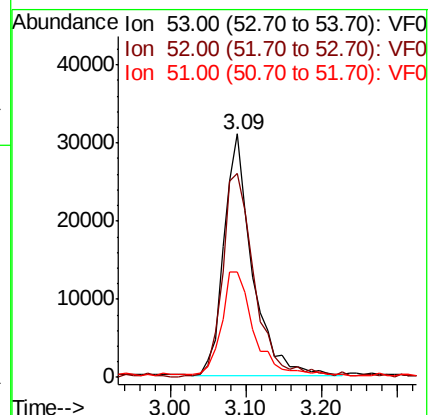
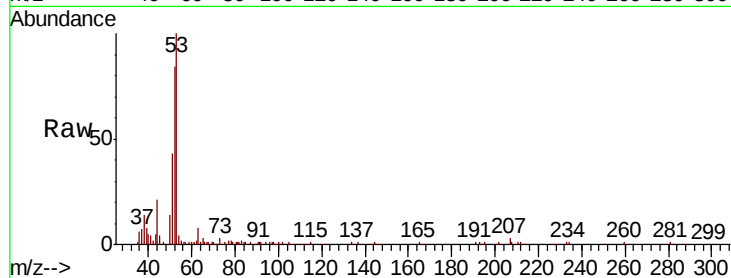
MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 80182

Ion	Ratio	Lower	Upper
53	100		
52	96.5	77.2	115.8
51	50.8	40.6	61.0



#16

Acetone

Concen: 210.674 ug/l

RT: 2.35 min Scan# 184

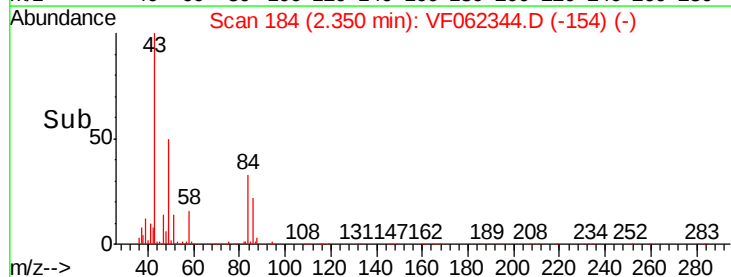
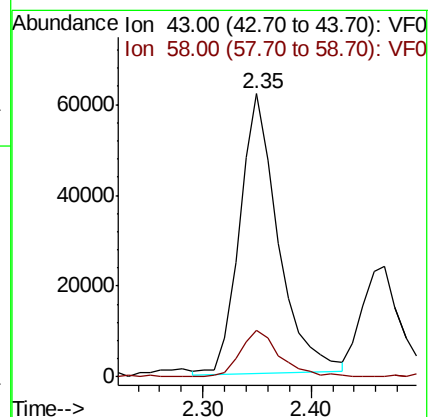
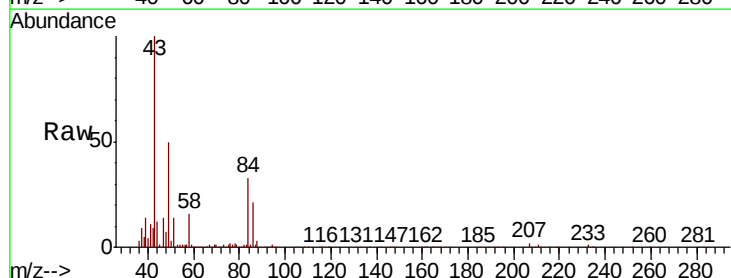
Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Tgt Ion: 43 Resp: 152544

Ion	Ratio	Lower	Upper
43	100		
58	16.4	13.1	19.7

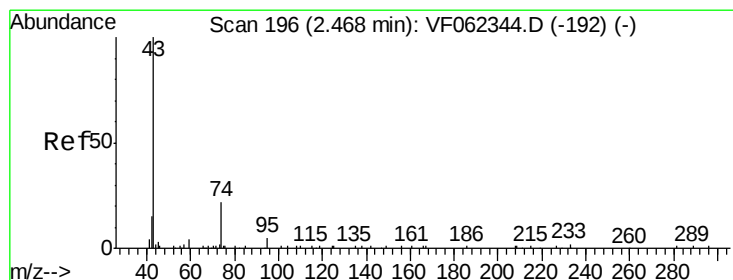
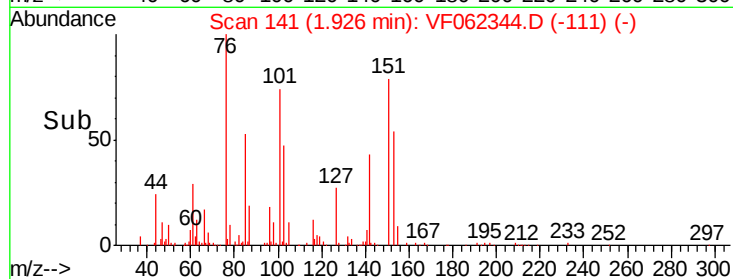
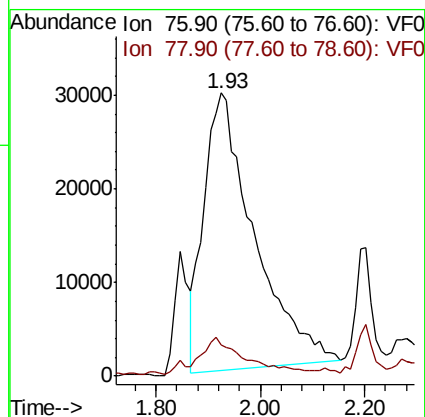
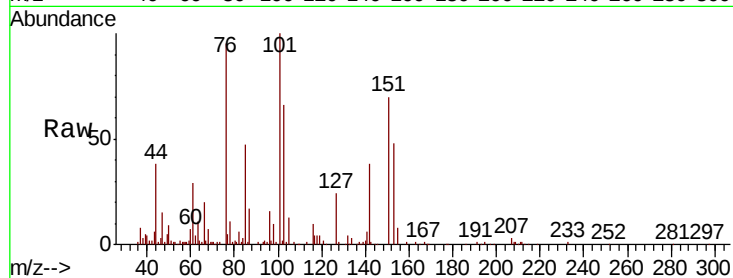




#17
Carbon Disulfide
Concen: 25.188 ug/l
RT: 1.93 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

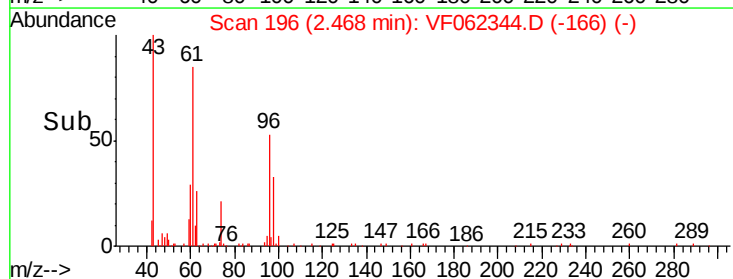
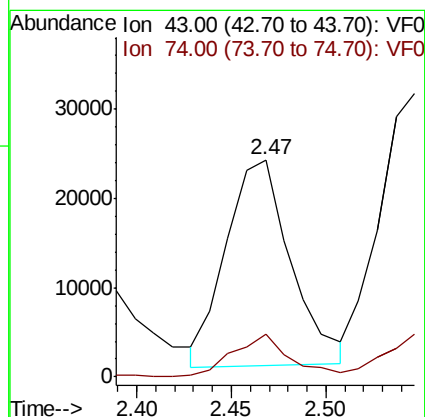
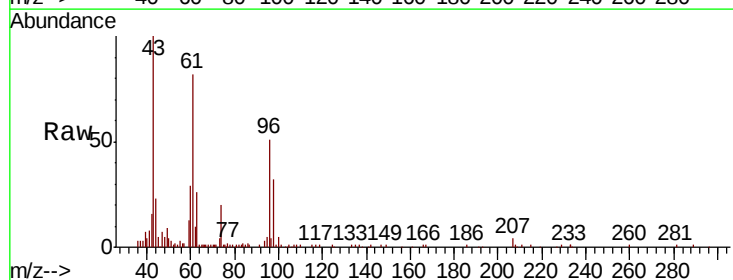
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

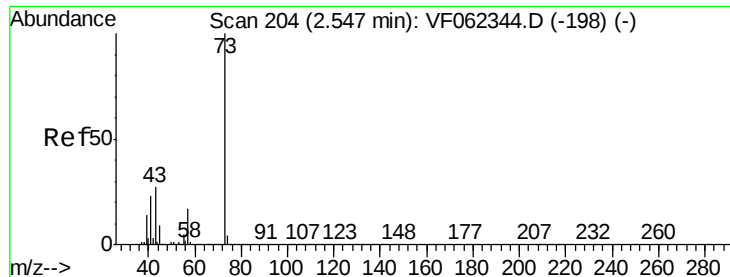
Tot Ion: 76 Resp: 197830
Ion Ratio Lower Upper
76 100
78 10.6 9.0 13.4



#18
Methyl Acetate
Concen: 37.662 ug/l
RT: 2.47 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 43 Resp: 54807
Ion Ratio Lower Upper
43 100
74 18.4 15.0 22.4



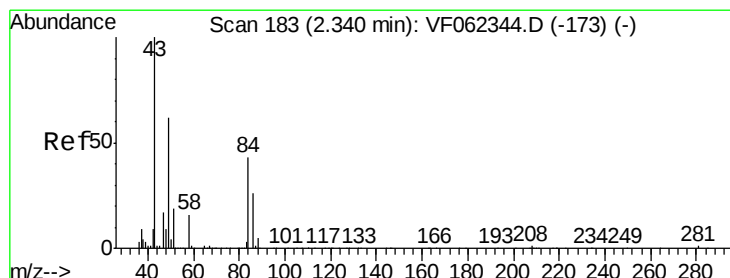
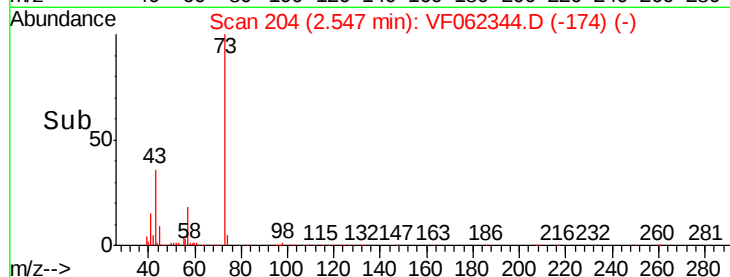
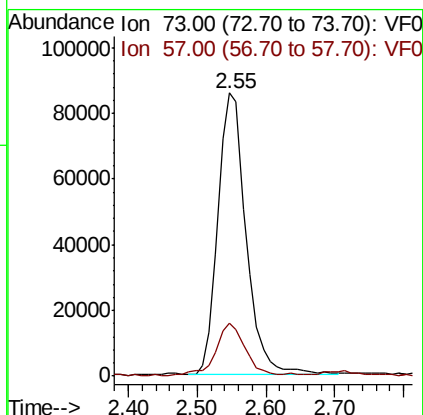
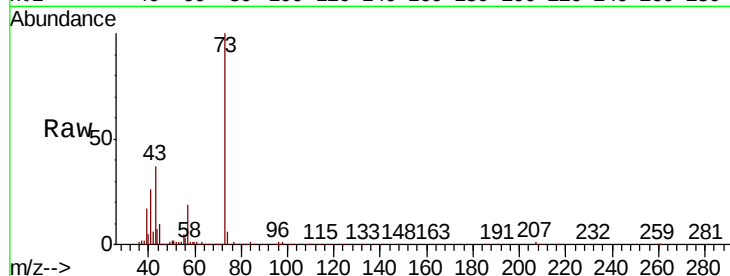


#19

Methyl tert-butyl Ether
 Concen: 39.035 ug/l
 RT: 2.55 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

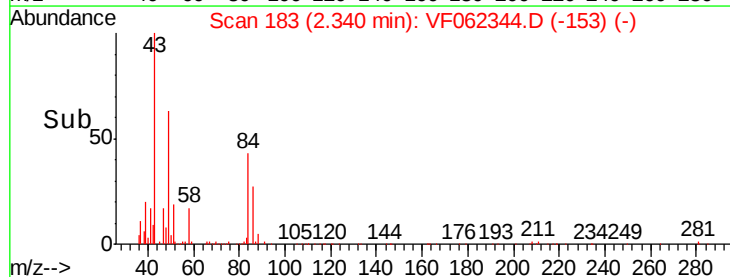
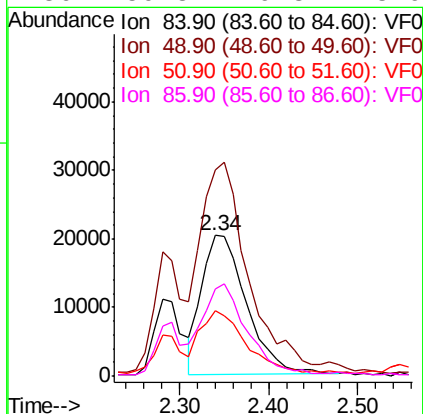
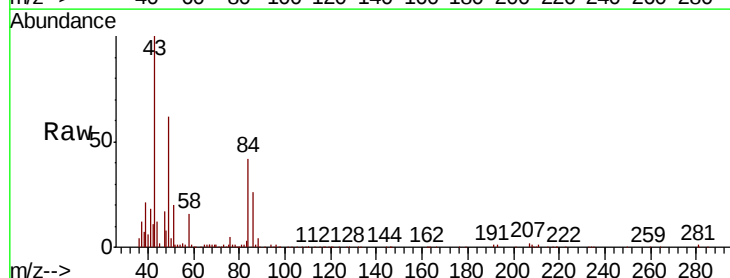
Tot Ion: 73 Resp: 241679
 Ion Ratio Lower Upper
 73 100
 57 17.1 13.7 20.5

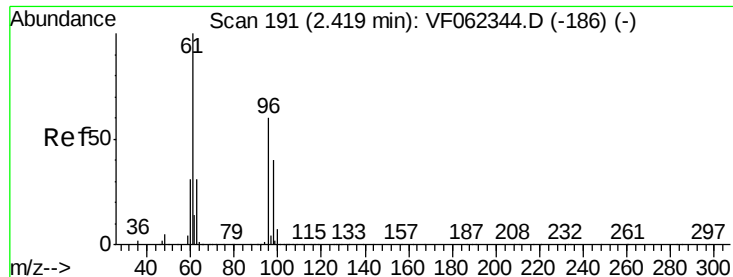


#20

Methylene Chloride
 Concen: 20.256 ug/l
 RT: 2.34 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Tgt Ion: 84 Resp: 71111
 Ion Ratio Lower Upper
 84 100
 49 140.7 117.5 176.3
 51 44.1 37.0 55.4
 86 59.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 24.859 ug/l

RT: 2.42 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

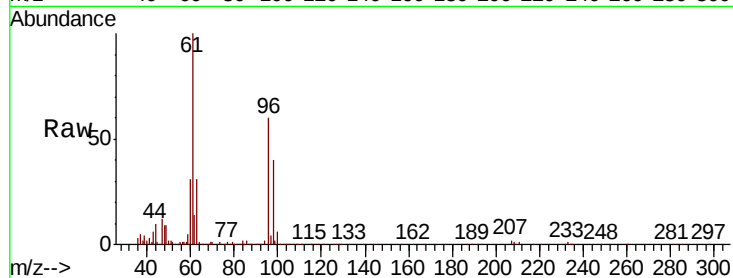
Tot Ion: 96 Resp: 76368

Ion Ratio Lower Upper

96 100

61 166.5 133.2 199.8

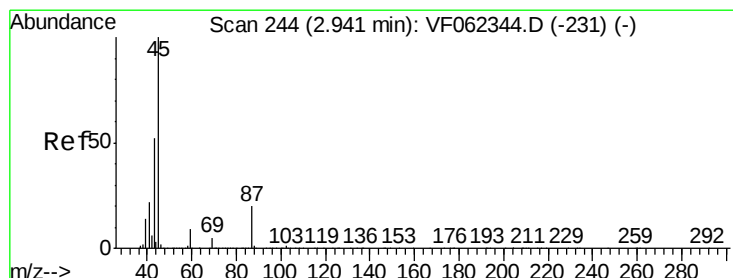
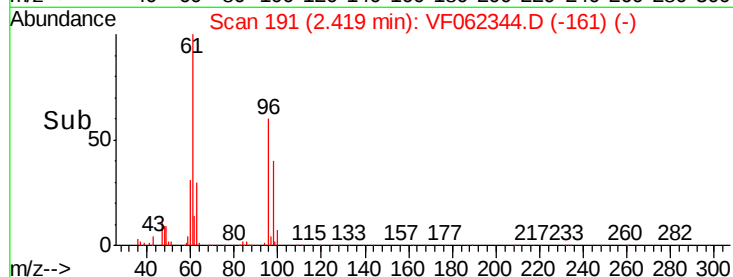
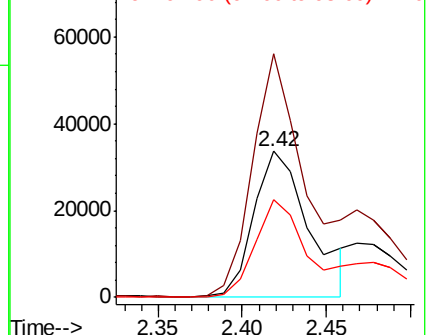
98 66.2 53.1 79.7



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: 36.589 ug/l

RT: 2.94 min Scan# 244

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Tgt Ion: 45 Resp: 340186

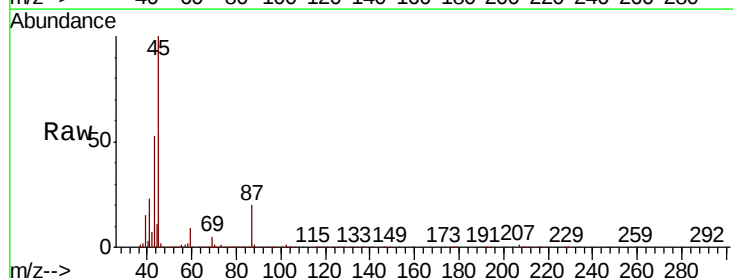
Ion Ratio Lower Upper

45 100

43 51.7 41.4 62.0

87 19.7 15.8 23.6

59 9.0 7.2 10.8

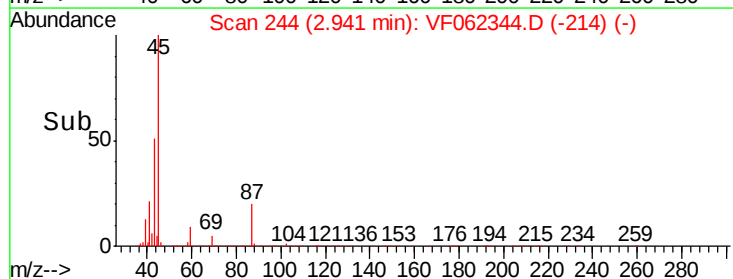
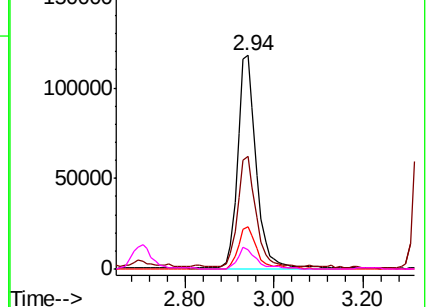


Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 191.932 ug/l

RT: 3.35 min Scan# 285

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

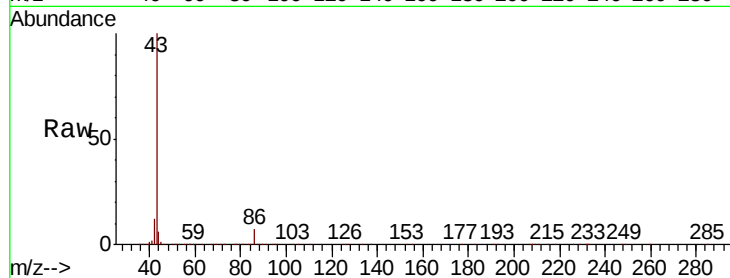
VSTDICCC050

Tot Ion: 43 Resp: 797897

Ion Ratio Lower Upper

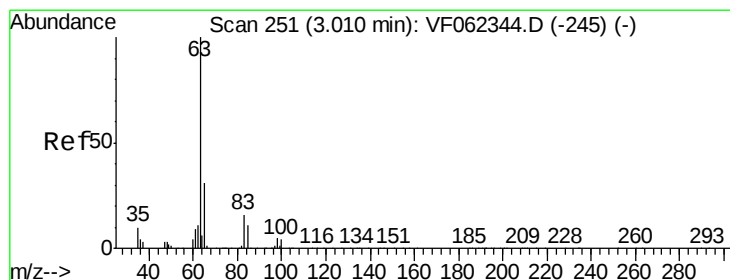
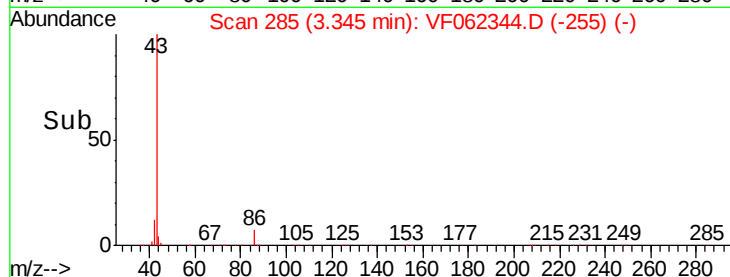
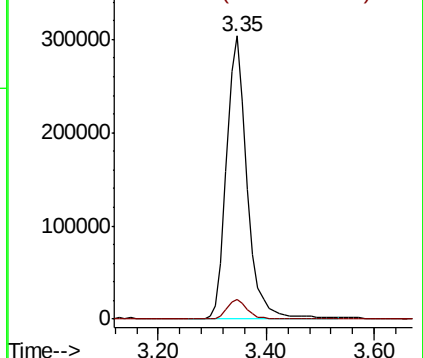
43 100

86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 37.872 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

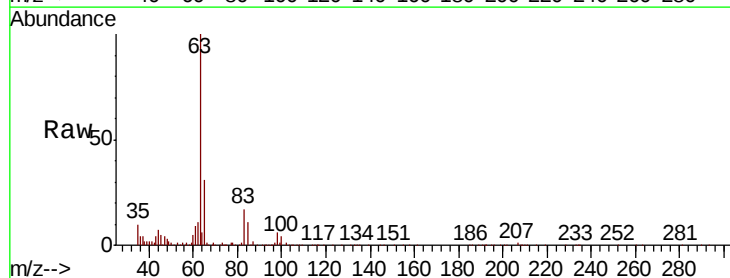
Tgt Ion: 63 Resp: 204145

Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

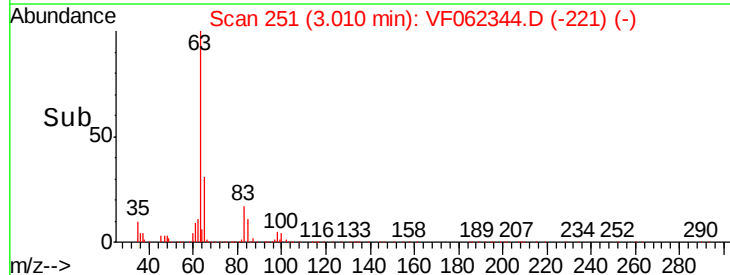
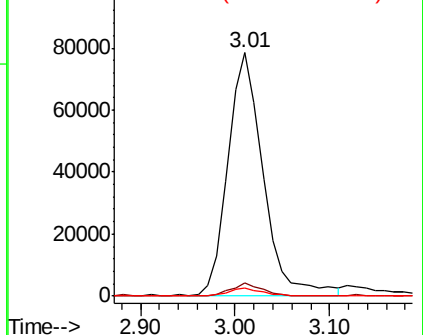
100 3.6 1.8 5.4

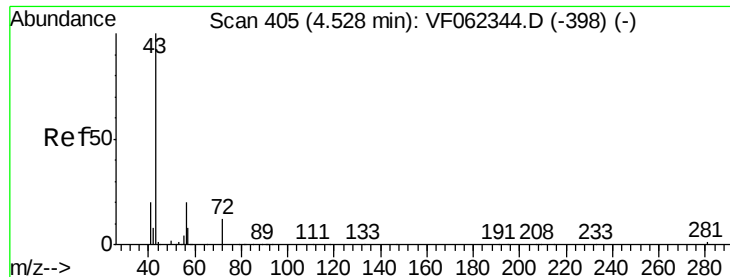


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 180.413 ug/l

RT: 4.53 min Scan# 405

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

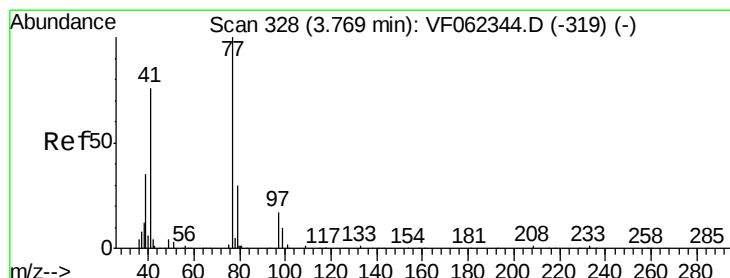
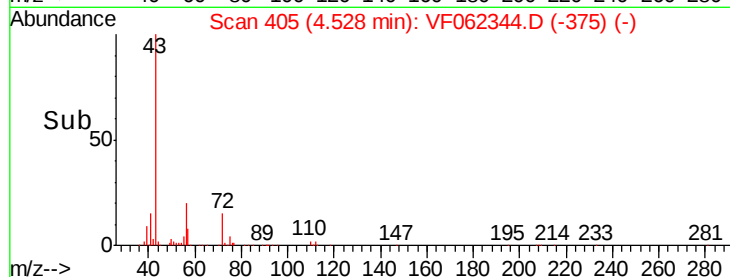
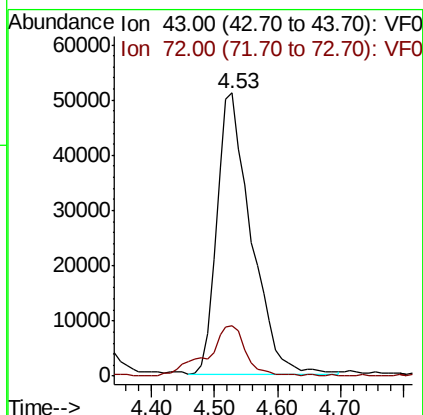
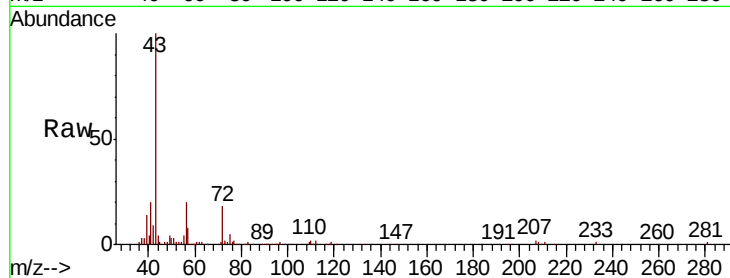
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 191815

Ion Ratio Lower Upper

43 100

72 17.8 14.2 21.4



#26

2,2-Dichloropropane

Concen: 39.236 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.00 min

Lab File: VF062344.D

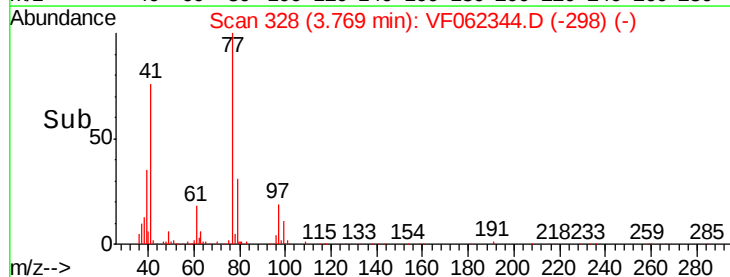
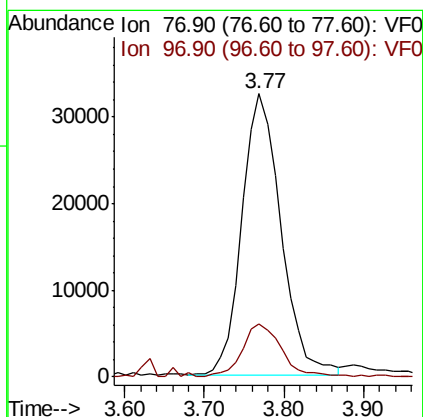
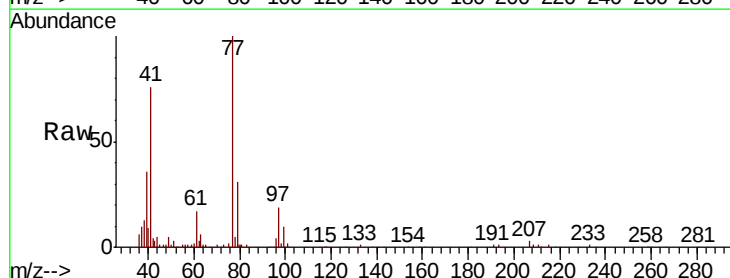
Acq: 6 May 2019 19:08

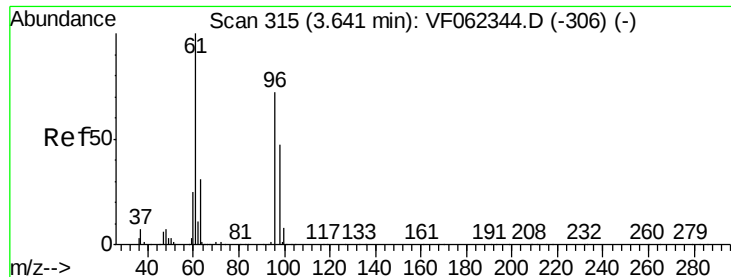
Tgt Ion: 77 Resp: 110556

Ion Ratio Lower Upper

77 100

97 19.0 9.5 28.5



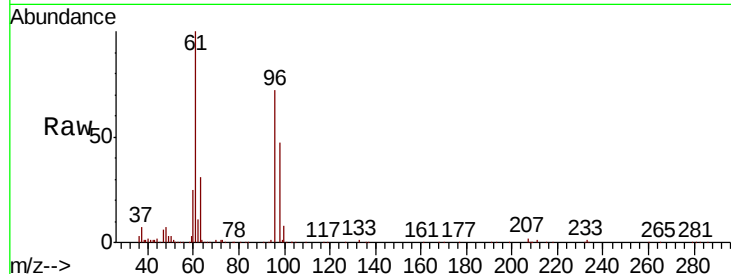


#27

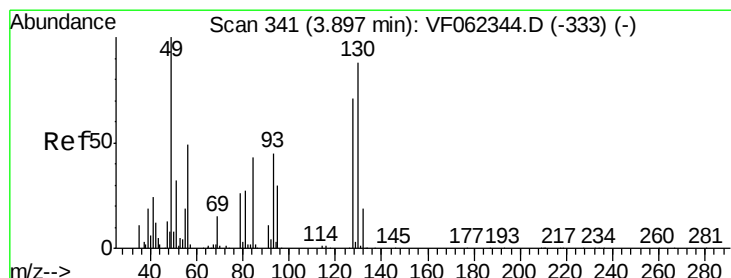
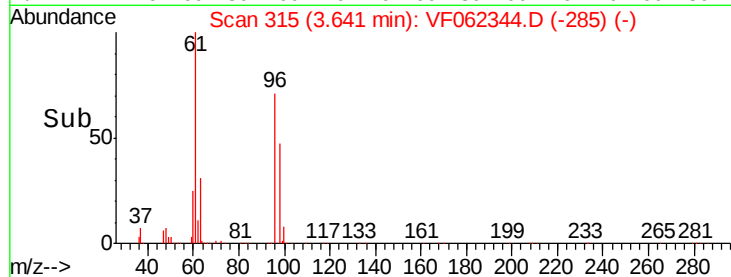
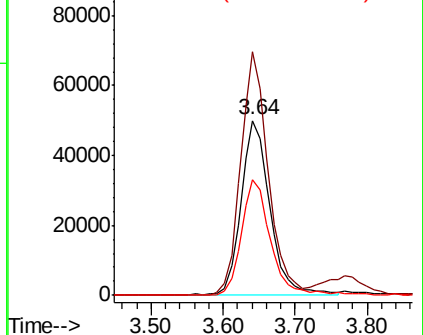
cis-1,2-Dichloroethene
Concen: 35.705 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 140849
Ion Ratio Lower Upper
96 100
61 131.5 0.0 263.0
98 65.4 0.0 130.8



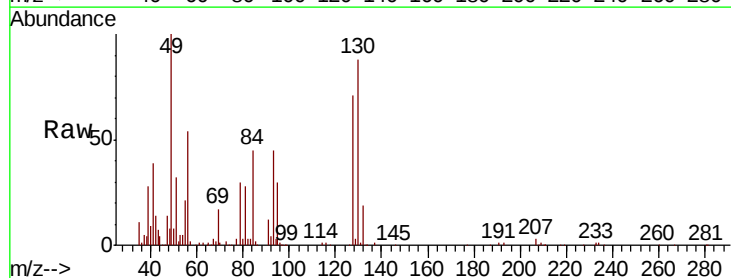
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



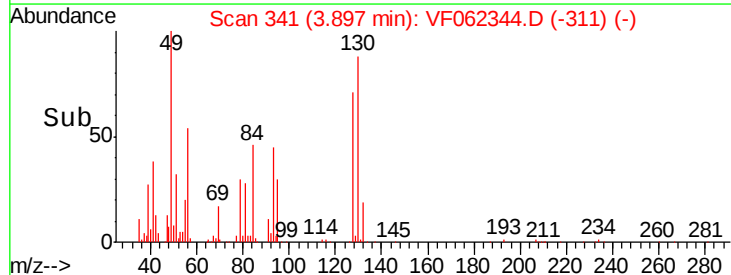
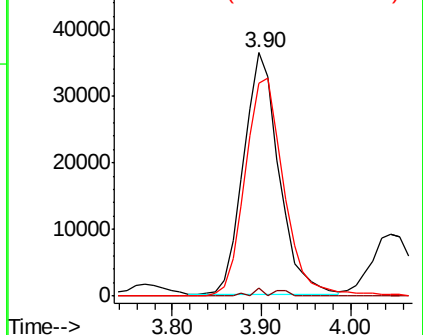
#28

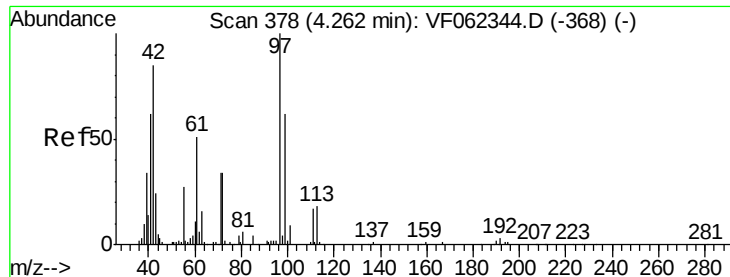
Bromochloromethane
Concen: 42.086 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 49 Resp: 100037
Ion Ratio Lower Upper
49 100
129 1.1 0.0 2.2
130 99.2 79.4 119.0



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

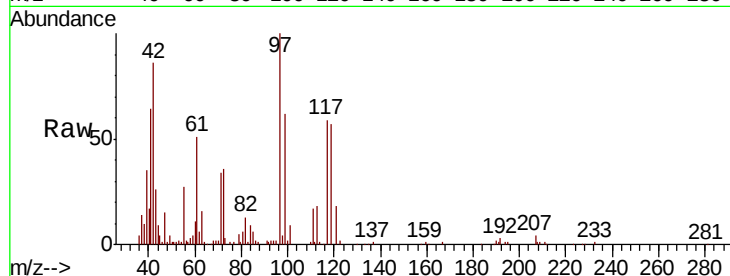




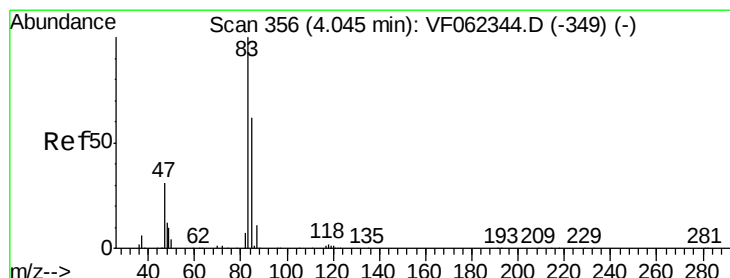
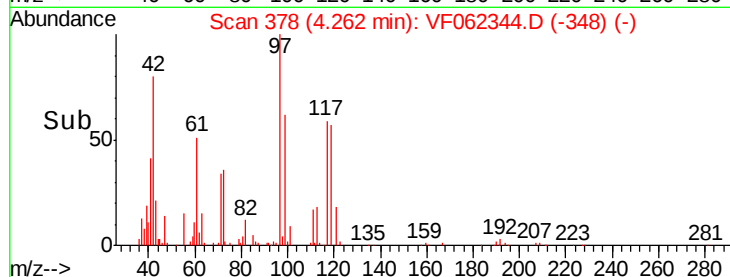
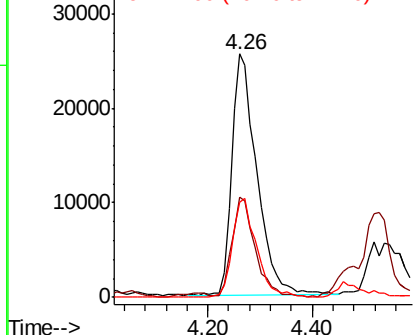
#29
Tetrahydrofuran
Concen: 179.799 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 42 Resp: 83381
Ion Ratio Lower Upper
42 100
72 39.0 31.4 47.0
71 39.4 31.7 47.5

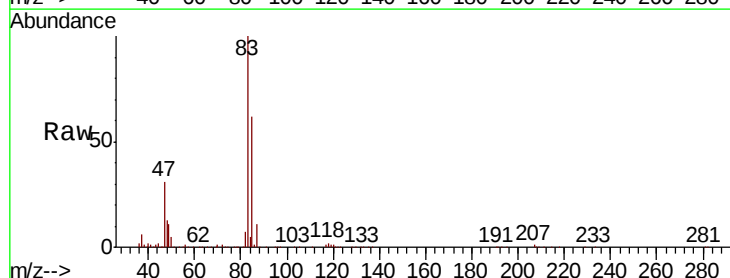


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

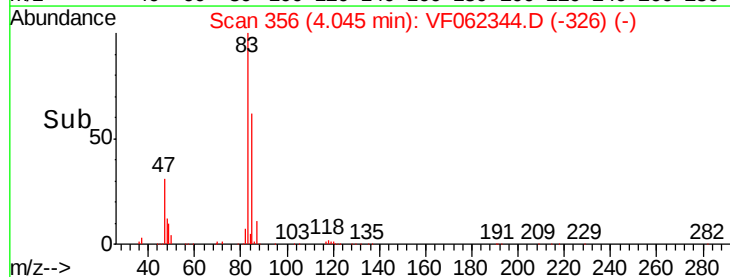
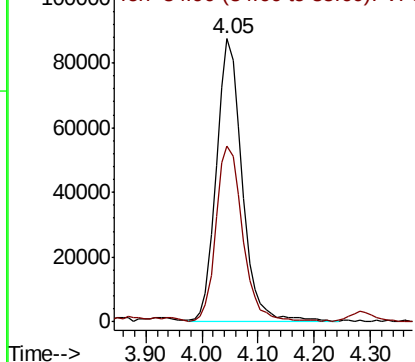


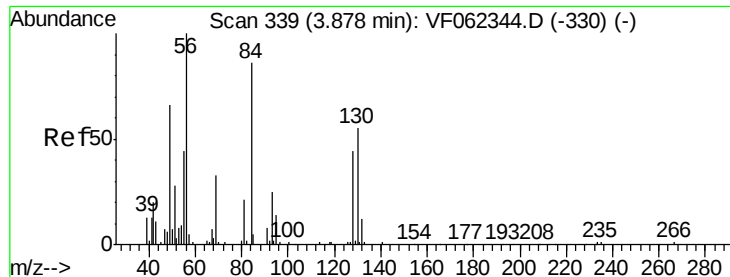
#30
Chloroform
Concen: 40.412 ug/l
RT: 4.05 min Scan# 356
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 83 Resp: 280834
Ion Ratio Lower Upper
83 100
85 62.0 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 84.90 (84.60 to 85.60): VF0





#31

Cyclohexane

Concen: 32.329 ug/l

RT: 3.88 min Scan# 339

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

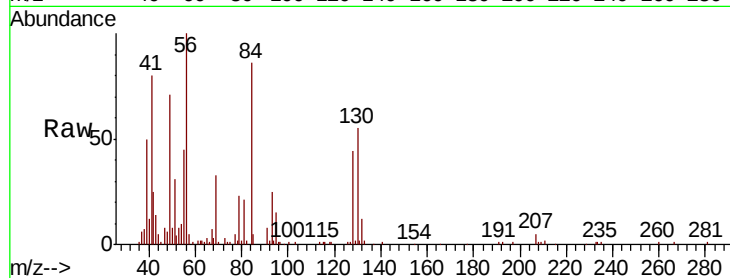
Tot Ion: 56 Resp: 156109

Ion Ratio Lower Upper

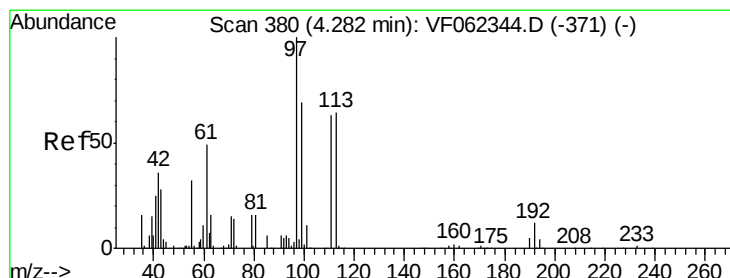
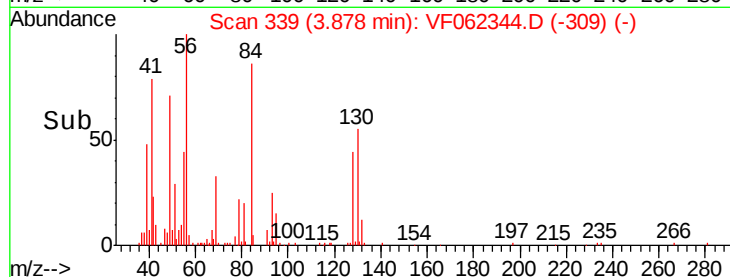
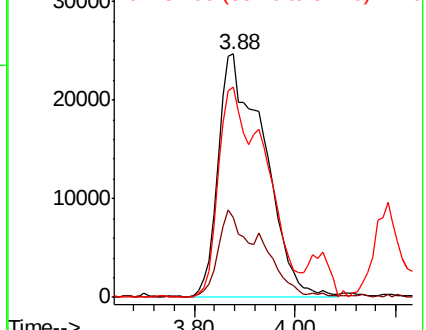
56 100

69 33.0 26.4 39.6

84 86.3 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 35.703 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

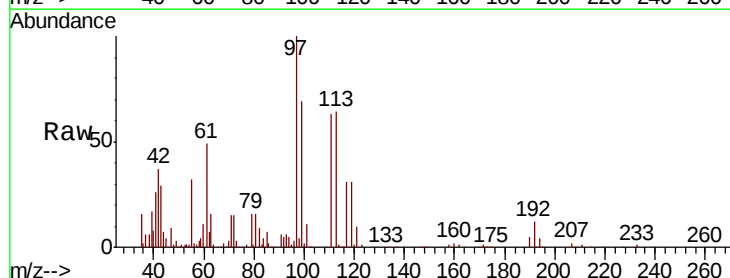
Tgt Ion: 97 Resp: 182203

Ion Ratio Lower Upper

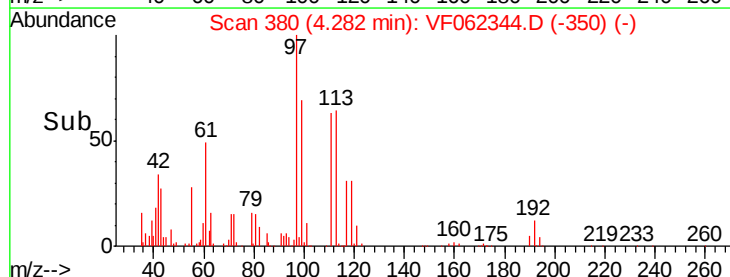
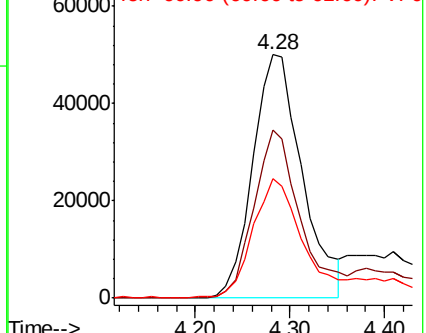
97 100

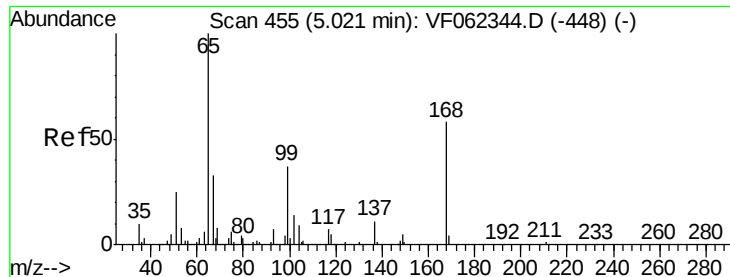
99 65.7 52.6 78.8

61 49.2 39.4 59.0



Abundance Ion 96.90 (96.60 to 97.60): VF0
Ion 98.90 (98.60 to 99.60): VF0
Ion 60.90 (60.60 to 61.60): VF0





#33

1,2-Dichloroethane-d4

Concen: 46.725 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

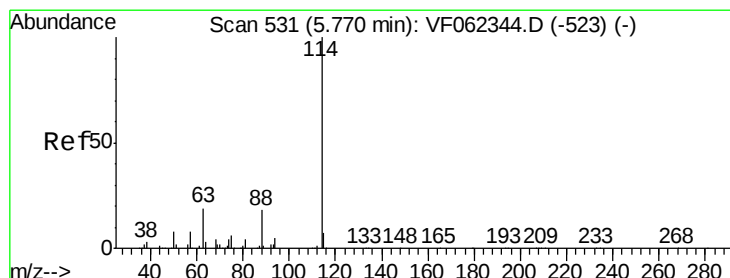
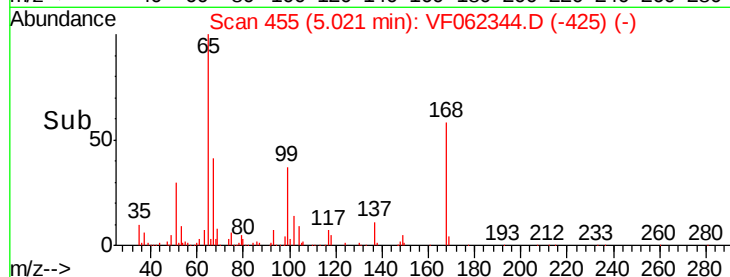
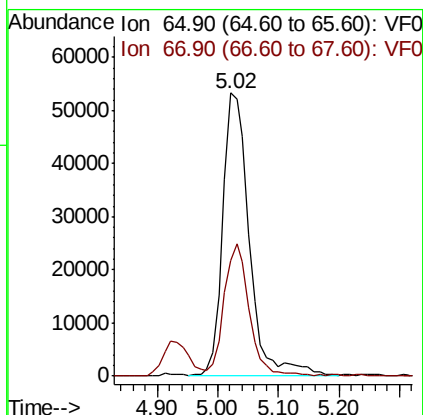
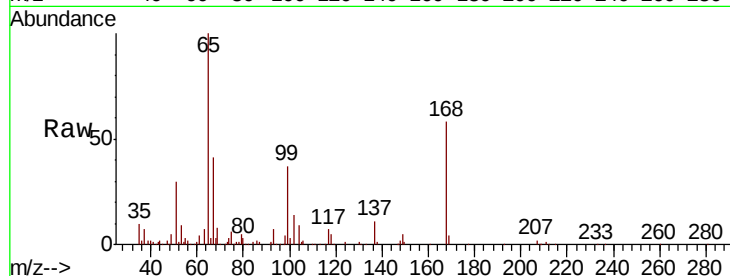
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 65 Resp: 163427

Ion Ratio Lower Upper

65 100

67 42.9 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

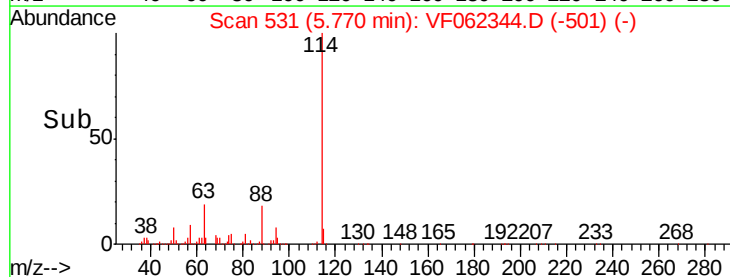
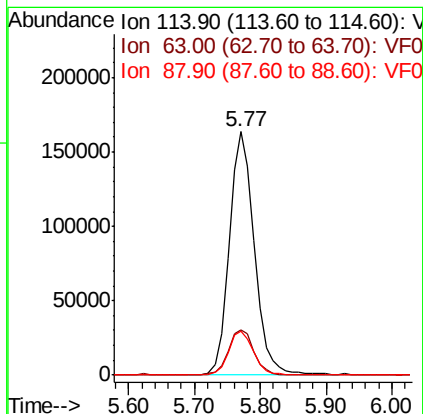
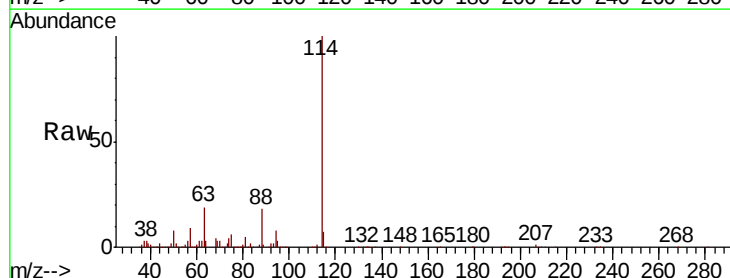
Tgt Ion: 114 Resp: 437276

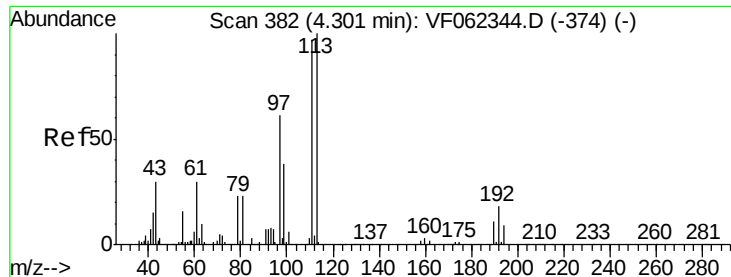
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

88 18.2 0.0 36.4

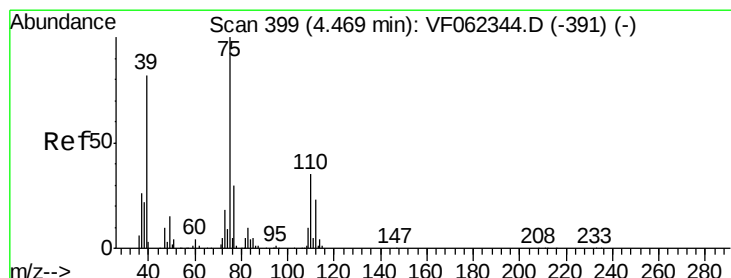
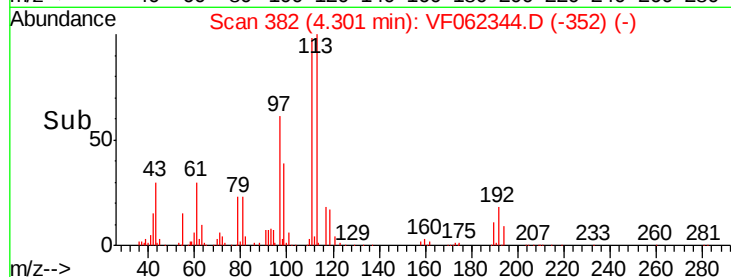
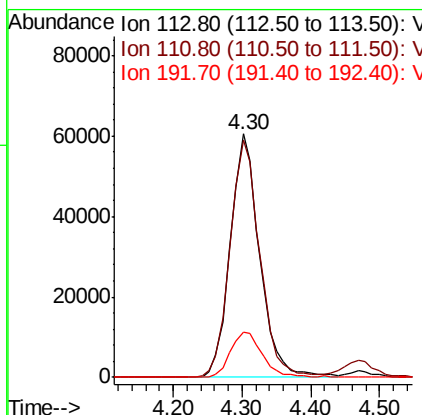
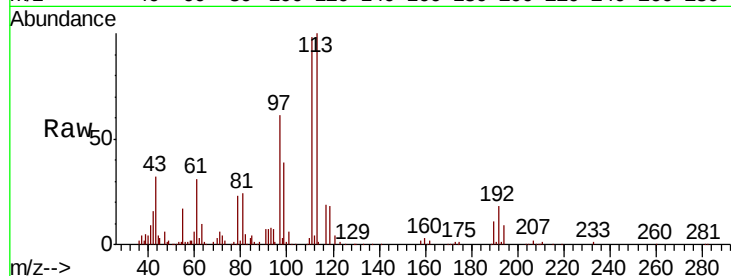




#35
 Dibromofluoromethane
 Concen: 42.599 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

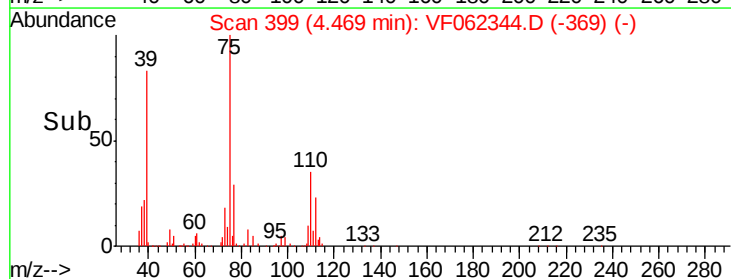
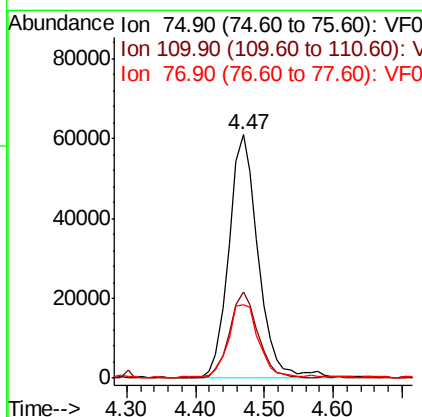
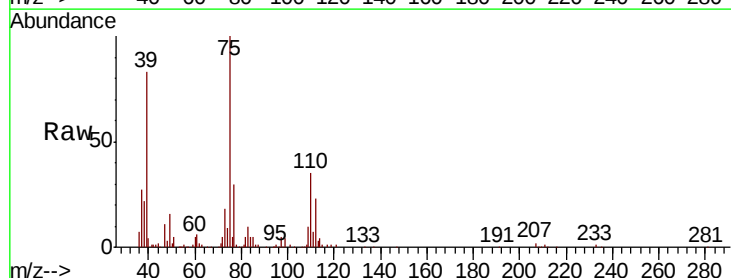
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

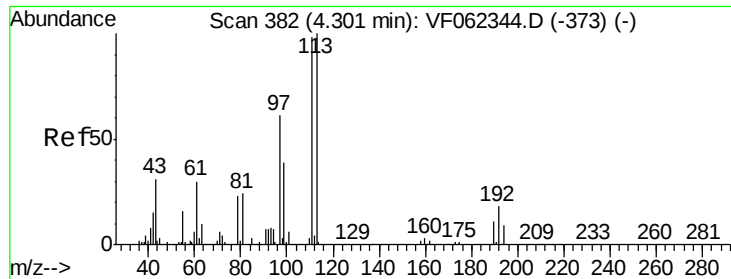
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.2	79.4	119.0
192	20.0	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 37.075 ug/l
 RT: 4.47 min Scan# 399
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.5	25.2	37.8

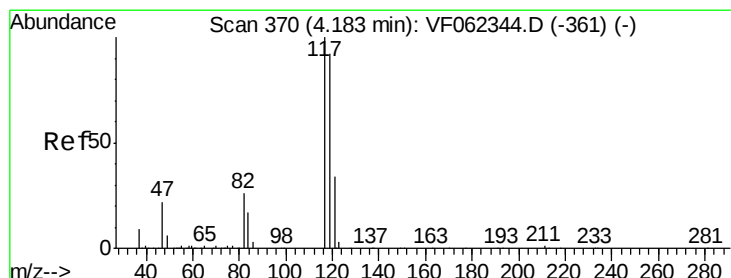
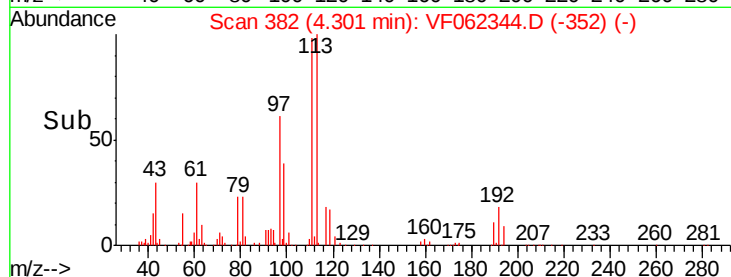
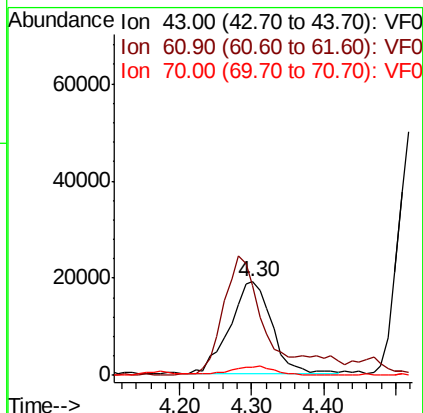
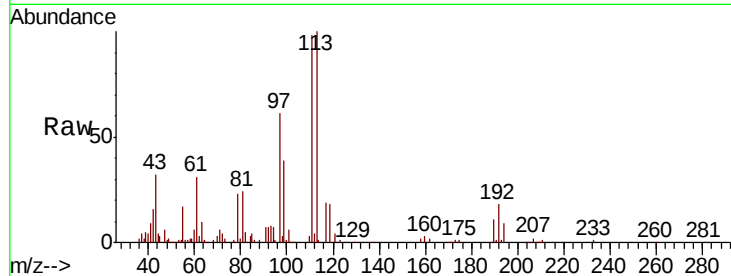




#37
Ethyl Acetate
Concen: 37.462 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

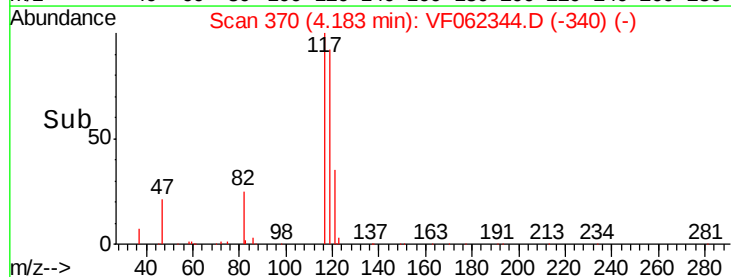
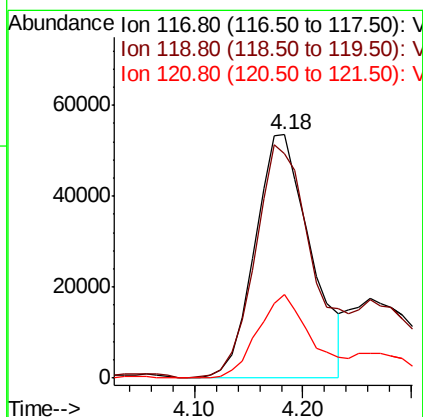
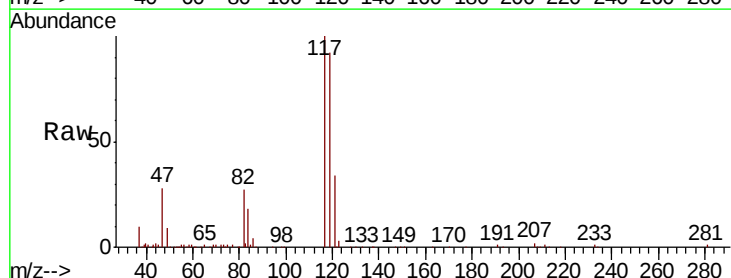
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

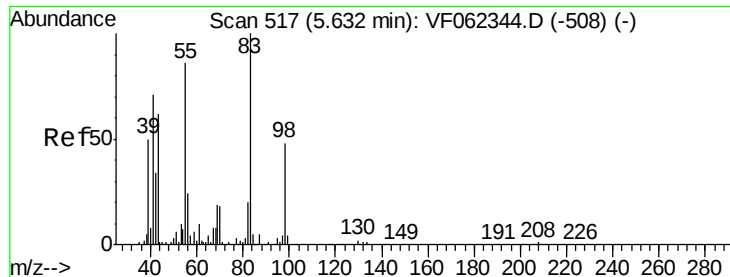
Tot Ion: 43 Resp: 76211
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 38.598 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 117 Resp: 192606
Ion Ratio Lower Upper
117 100
119 91.8 73.4 110.2
121 34.2 27.4 41.0

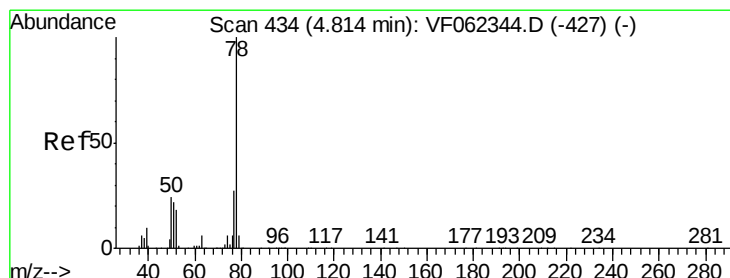
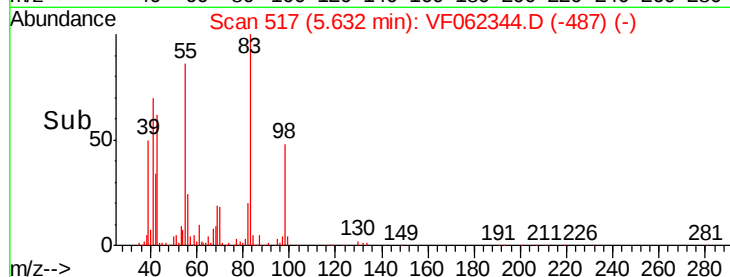
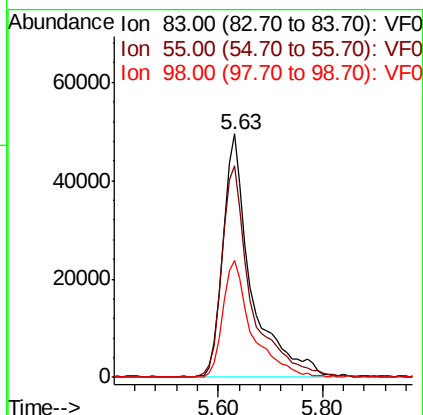
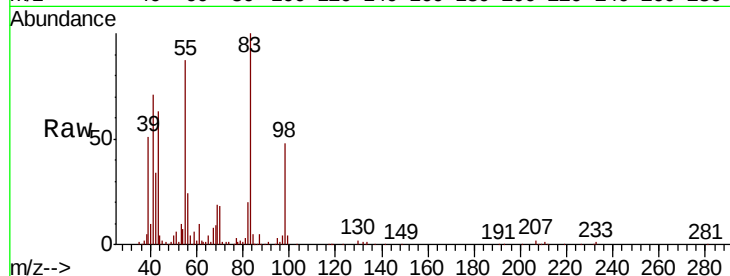




#39
Methvlcvclohexane
Concen: 34.057 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

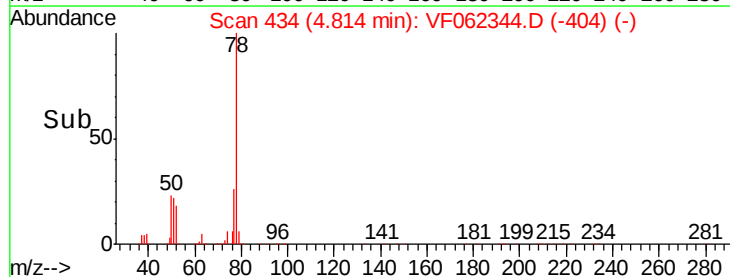
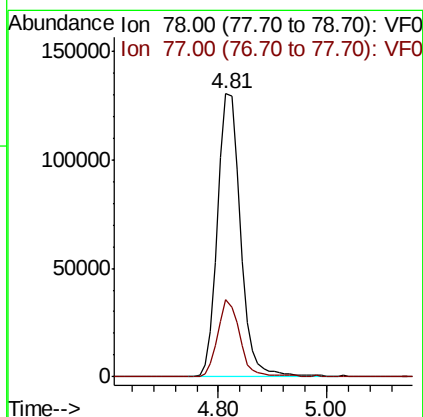
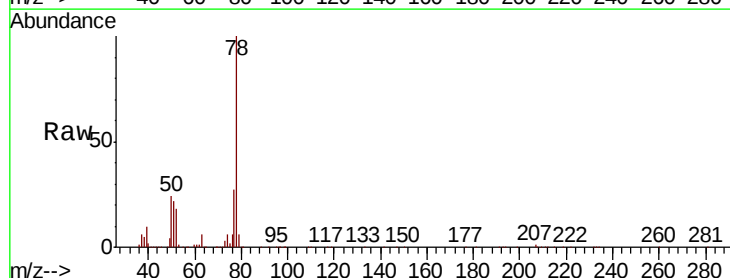
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

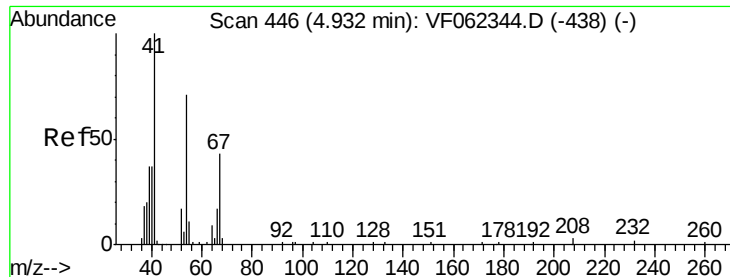
Tot Ion	83	Resp	186535
Ion Ratio	Lower	Upper	
83	100		
55	86.3	69.0	103.6
98	48.3	38.6	58.0



#40
Benzene
Concen: 34.176 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion	78	Resp	386358
Ion Ratio	Lower	Upper	
78	100		
77	27.0	21.6	32.4

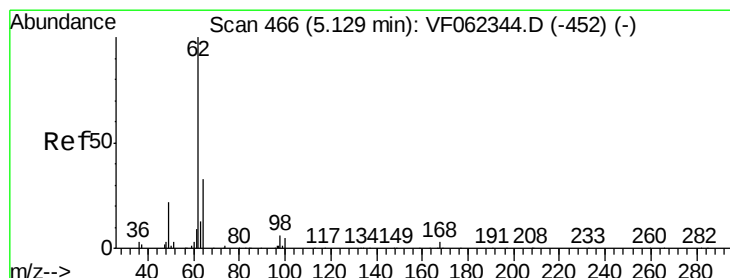
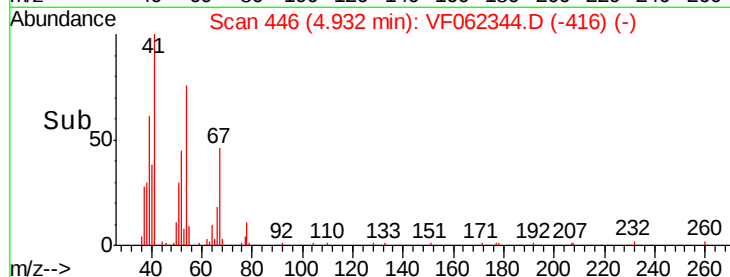
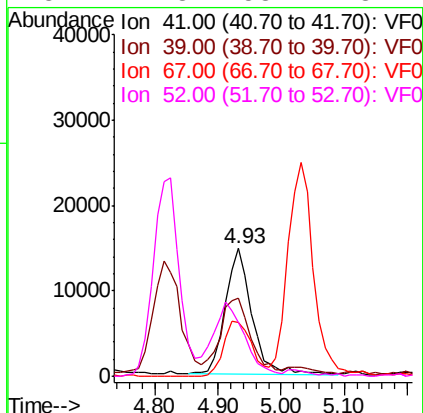
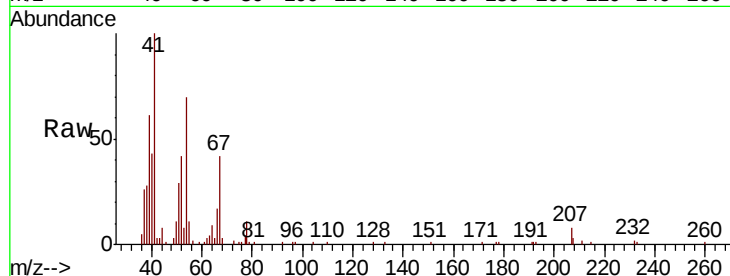




#41
Methacrylonitrile
Concen: 37.628 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

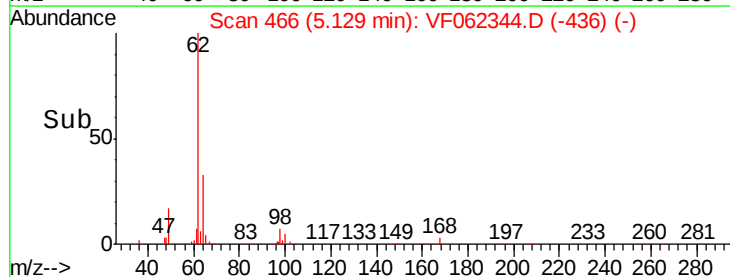
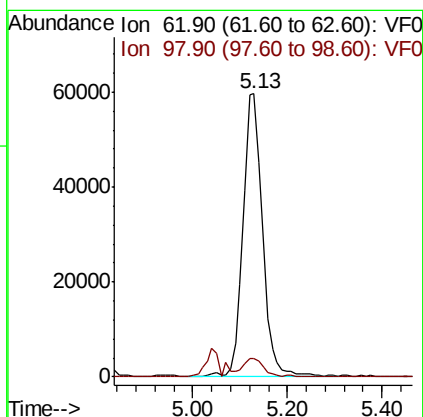
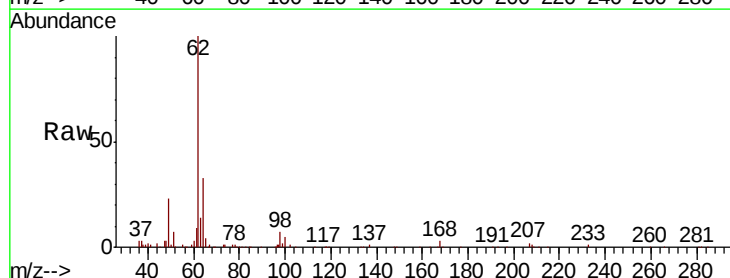
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

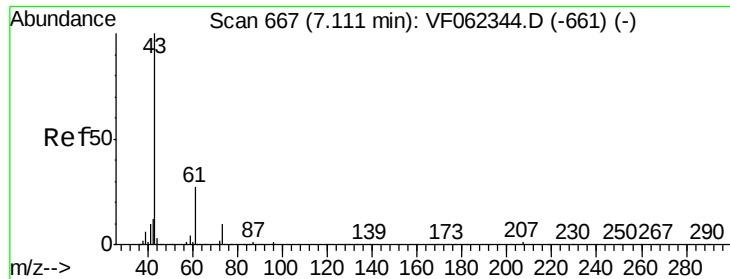
Tot Ion:	41	Resp:	42367
Ion	Ratio	Lower	Upper
41	100		
39	67.9	54.3	81.5
67	47.3	37.8	56.8
52	72.8	58.2	87.4



#42
1,2-Dichloroethane
Concen: 43.076 ug/l
RT: 5.13 min Scan# 466
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion:	62	Resp:	171938
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	12.4



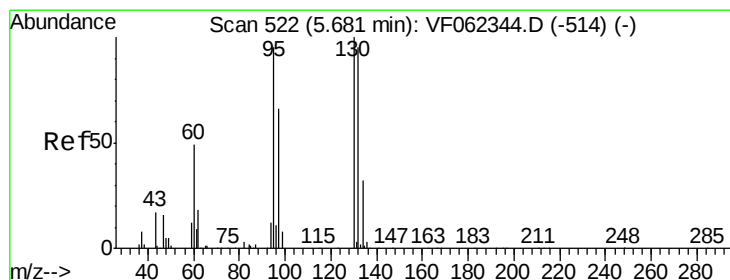
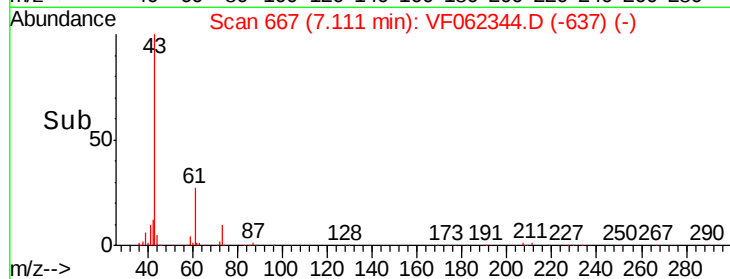
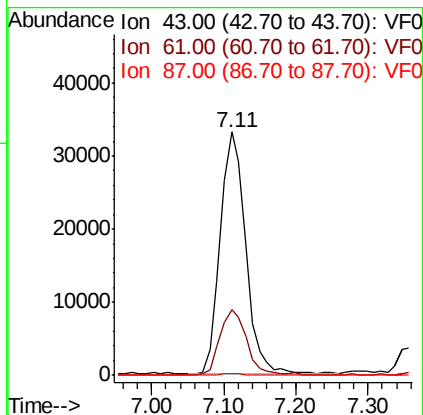
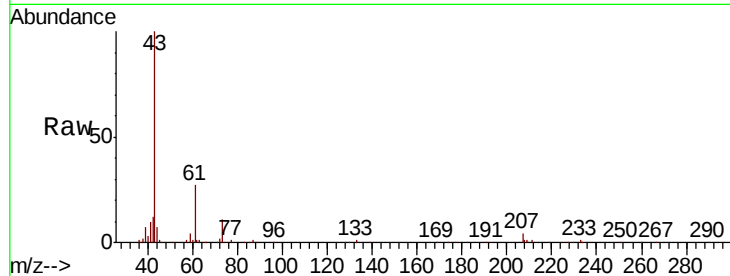


#43

Isopropyl Acetate
 Concen: 37.018 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

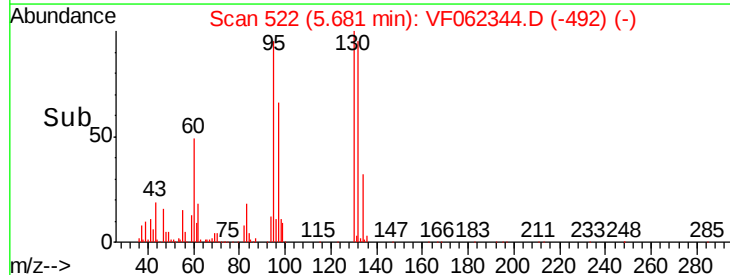
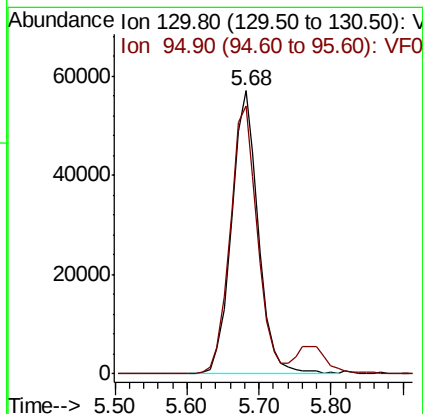
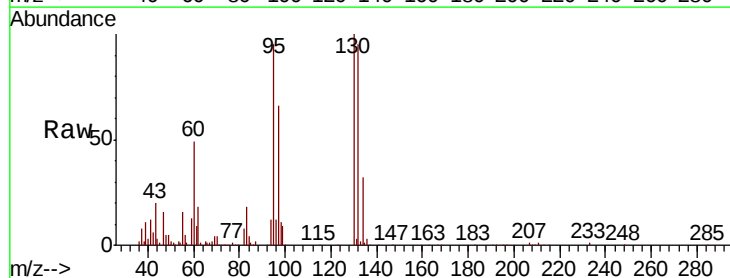
Tot Ion: 43 Resp: 81076
 Ion Ratio Lower Upper
 43 100
 61 28.5 22.8 34.2
 87 0.8 0.6 1.0

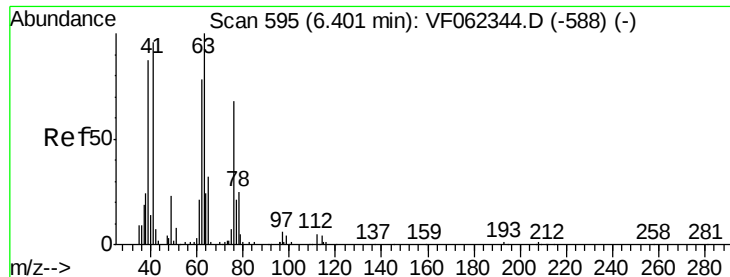


#44

Trichloroethene
 Concen: 37.396 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Tgt Ion: 130 Resp: 147271
 Ion Ratio Lower Upper
 130 100
 95 94.5 0.0 189.0





#45

1,2-Dichloropropane

Concen: 35.697 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

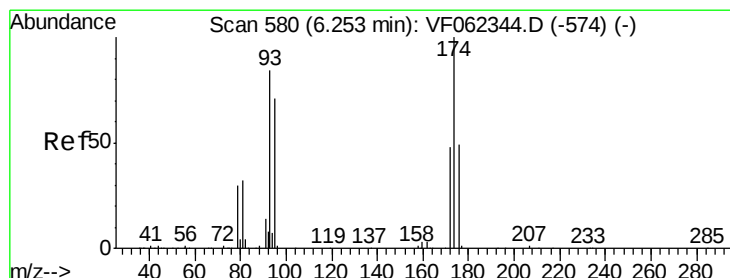
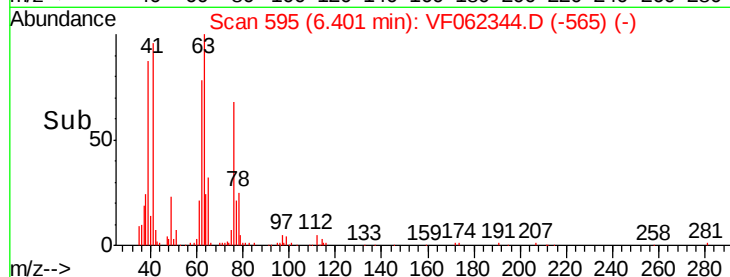
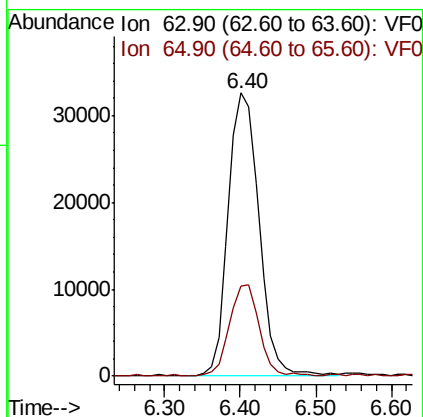
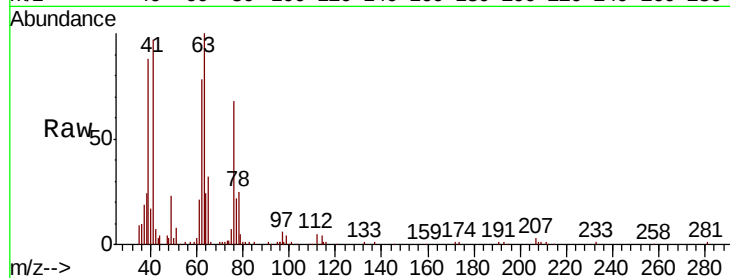
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 63 Resp: 92178

Ion Ratio Lower Upper

63 100

65 32.0 25.6 38.4



#46

Dibromomethane

Concen: 38.855 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

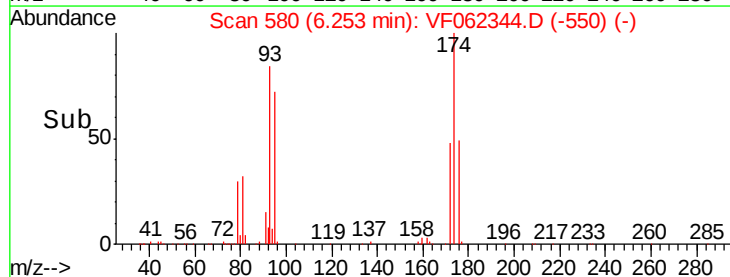
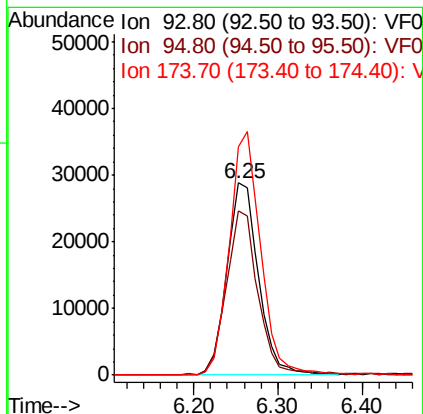
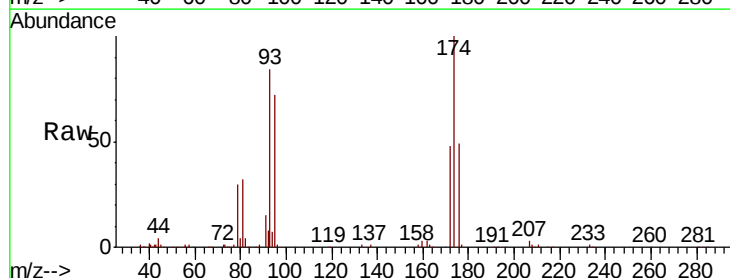
Tgt Ion: 93 Resp: 75633

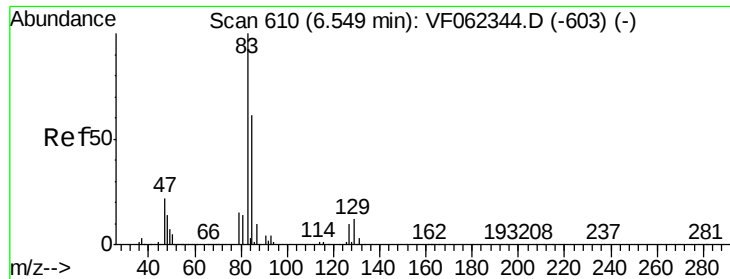
Ion Ratio Lower Upper

93 100

95 85.5 68.4 102.6

174 124.5 99.6 149.4





#47

Bromodichloromethane

Concen: 40.495 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

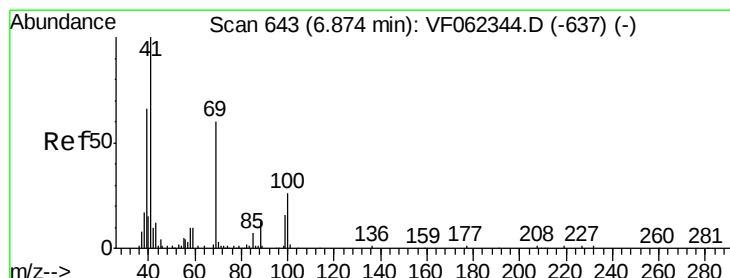
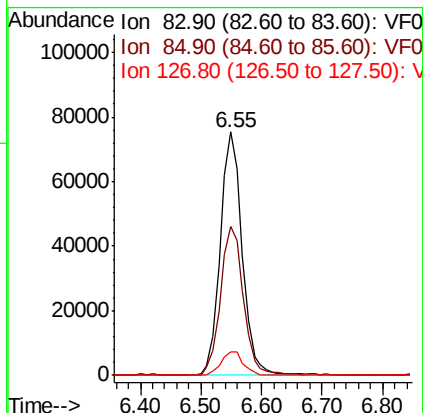
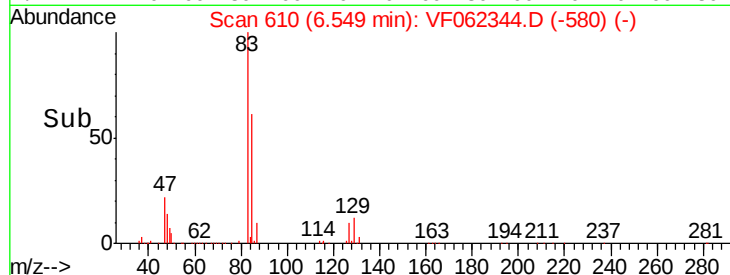
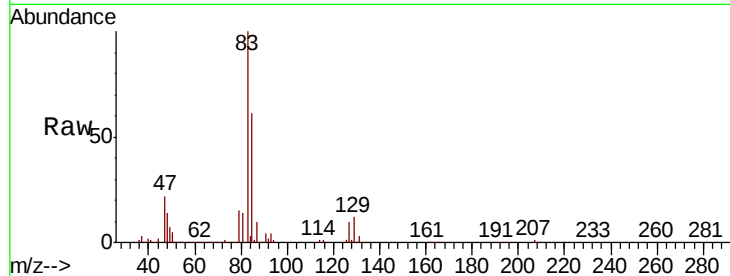
Tot Ion: 83 Resp: 189523

Ion Ratio Lower Upper

83 100

85 61.4 49.1 73.7

127 9.8 7.8 11.8



#48

Methyl methacrylate

Concen: 39.293 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

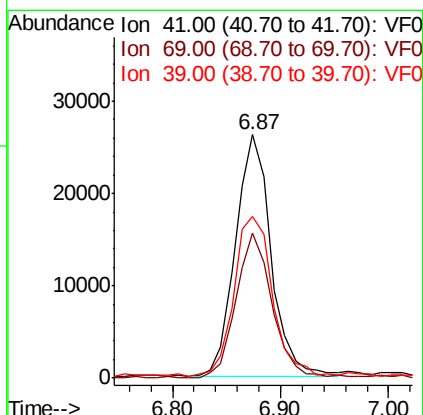
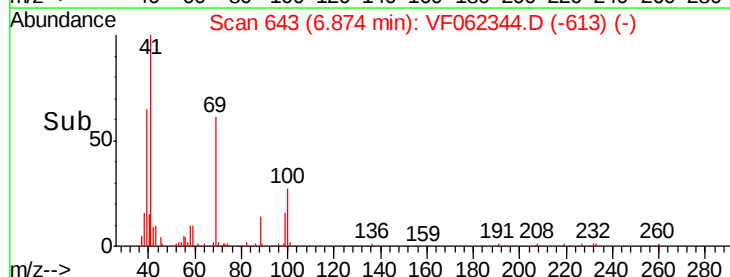
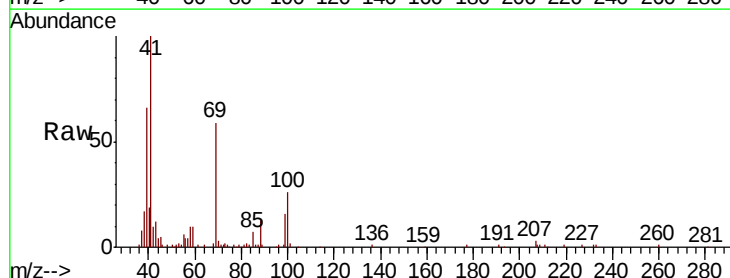
Tgt Ion: 41 Resp: 60408

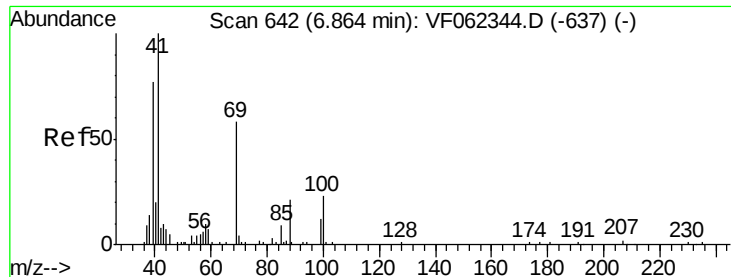
Ion Ratio Lower Upper

41 100

69 60.7 48.6 72.8

39 70.1 56.1 84.1

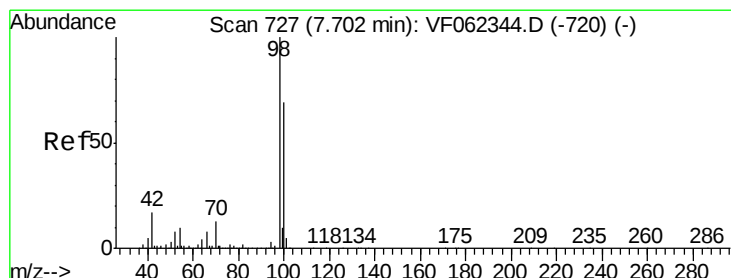
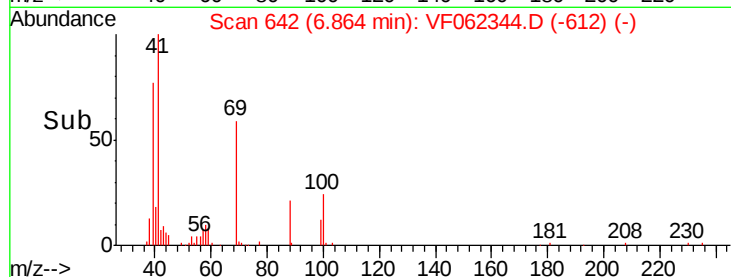
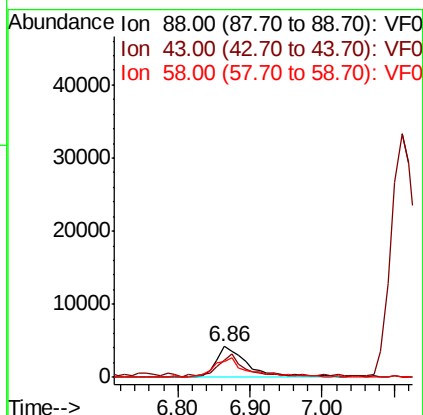
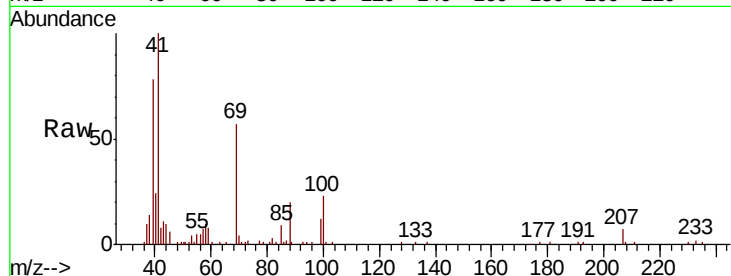




#49
1,4-Dioxane
Concen: 746.993 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

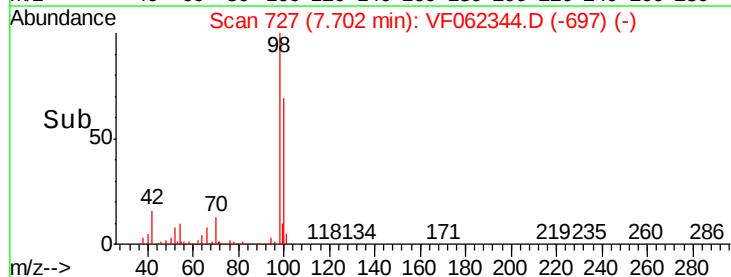
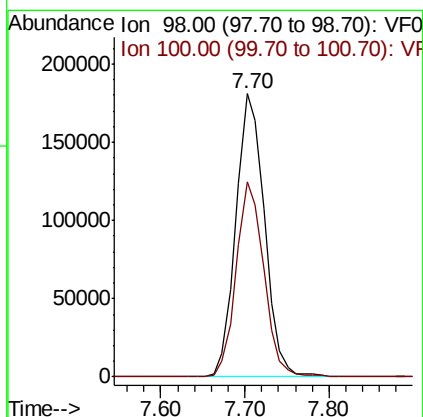
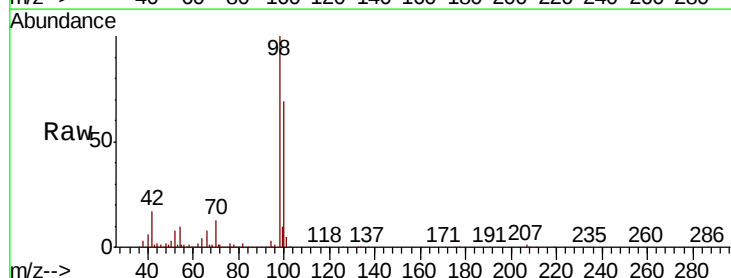
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

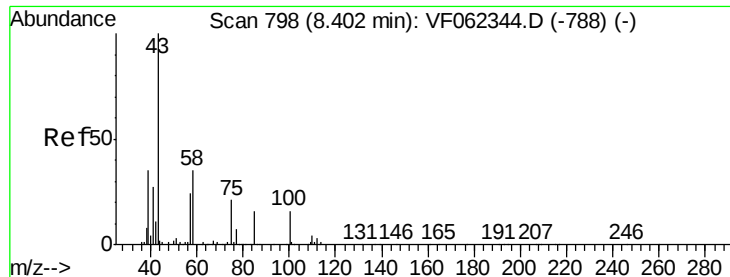
Tot Ion: 88 Resp: 12732
Ion Ratio Lower Upper
88 100
43 69.5 55.6 83.4
58 66.0 52.8 79.2



#50
Toluene-d8
Concen: 42.230 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 98 Resp: 430535
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 192.335 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

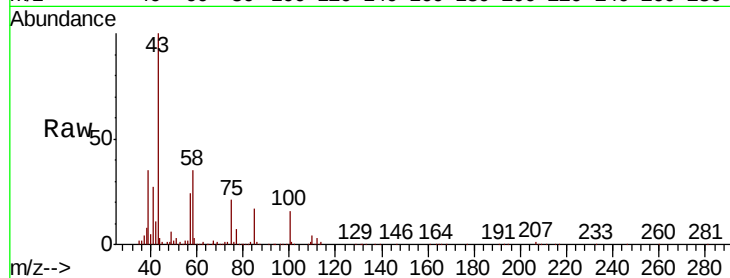
VSTDICCC050

Tot Ion: 43 Resp: 313730

Ion Ratio Lower Upper

43 100

58 34.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

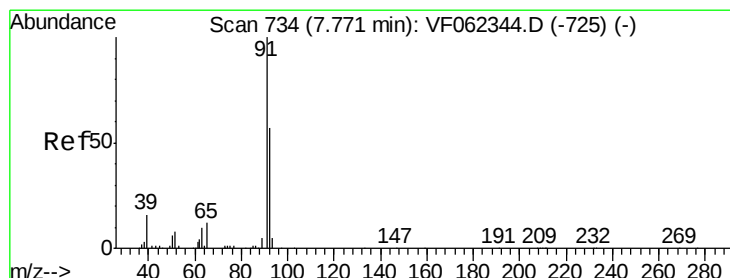
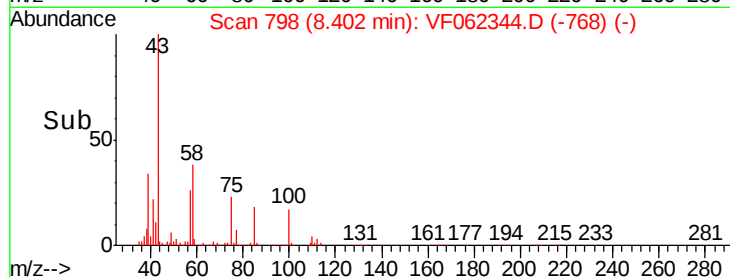
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50



#52

Toluene

Concen: 35.976 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF062344.D

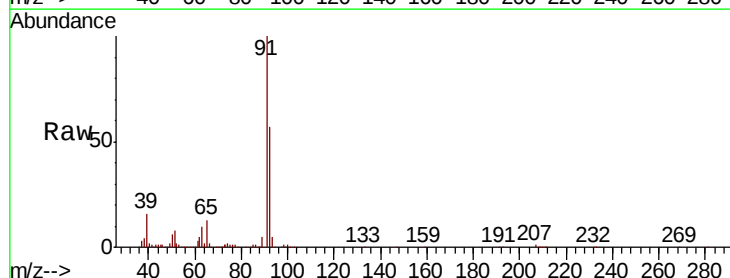
Acq: 6 May 2019 19:08

Tgt Ion: 92 Resp: 239337

Ion Ratio Lower Upper

92 100

91 173.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

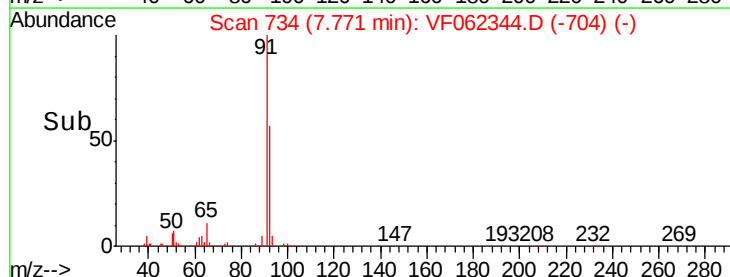
150000

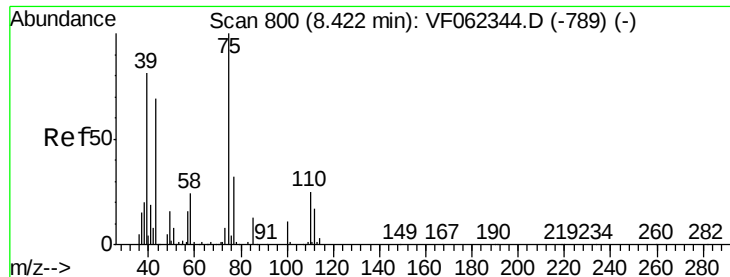
100000

50000

0

Time--> 7.60 7.70 7.80 7.90 8.00





#53

t-1,3-Dichloropropene

Concen: 42.068 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

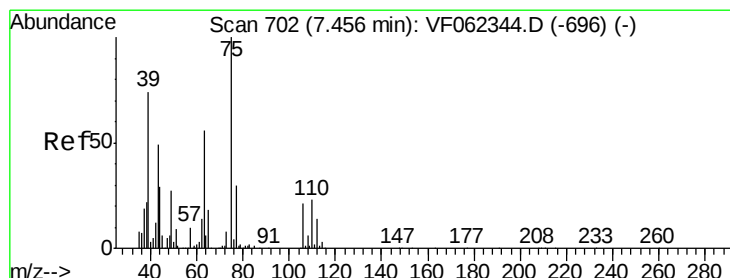
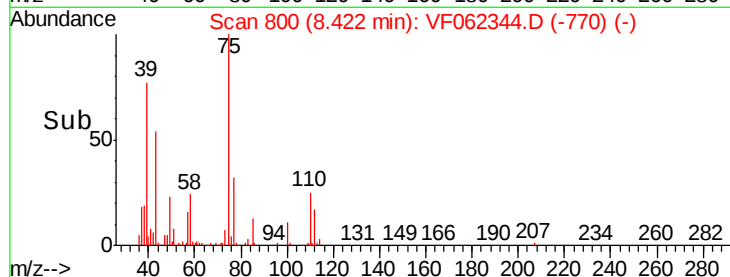
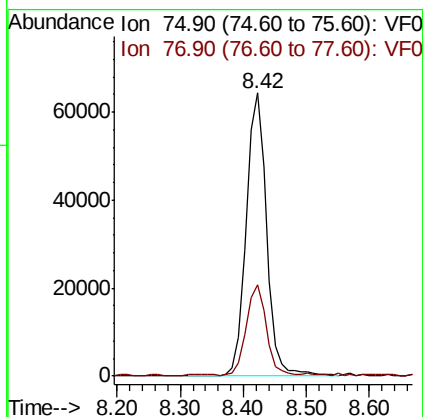
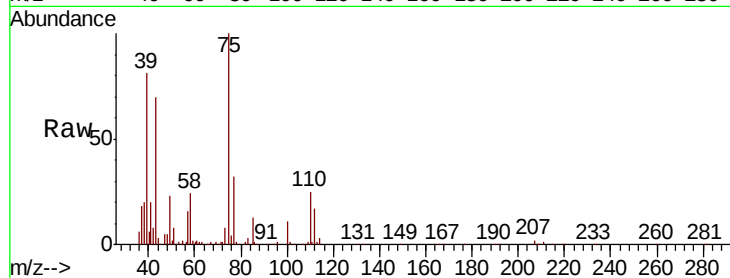
VSTDICCC050

Tot Ion: 75 Resp: 145517

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 39.368 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

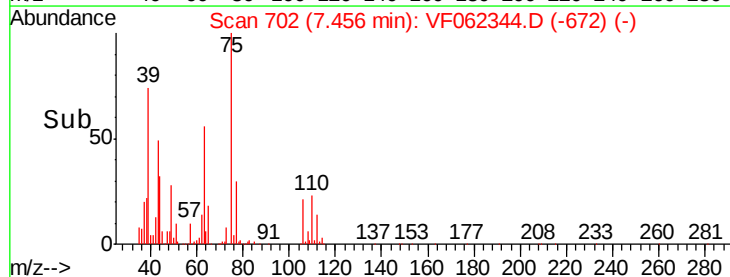
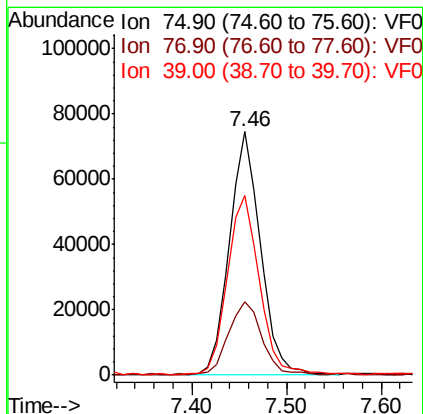
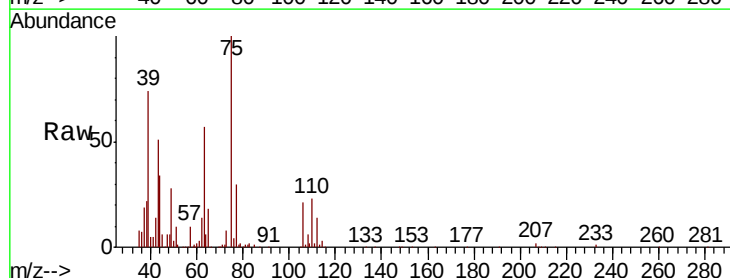
Tgt Ion: 75 Resp: 169897

Ion Ratio Lower Upper

75 100

77 30.0 24.0 36.0

39 73.4 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 40.242 ug/l

RT: 8.63 min Scan# 821

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 79969

Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.5	102.7
85	56.8	45.4	68.2
99	65.9	52.7	79.1

Abundance

Ion 96.90 (96.60 to 97.60): VF0

Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

8.63

Time-->

8.50 8.60 8.70

50000

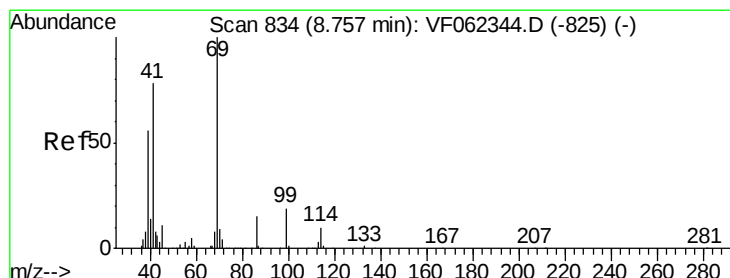
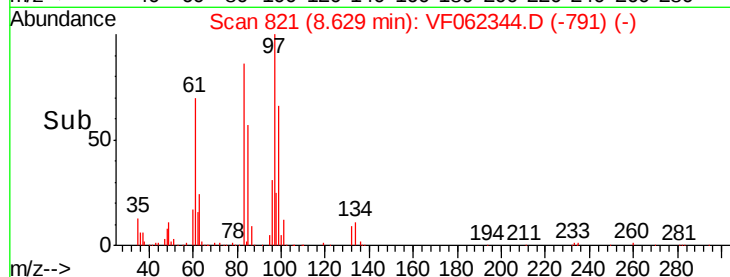
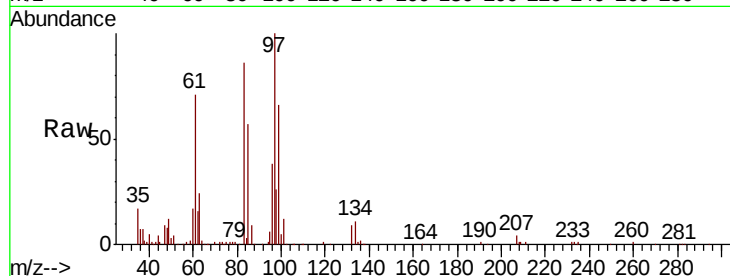
40000

30000

20000

10000

0



#56

Ethyl methacrylate

Concen: 37.844 ug/l

RT: 8.76 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Tgt Ion: 69 Resp: 81068

Ion	Ratio	Lower	Upper
69	100		
41	82.9	66.3	99.5
39	62.6	50.1	75.1

Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

8.76

Time-->

8.60 8.70 8.80 8.90

50000

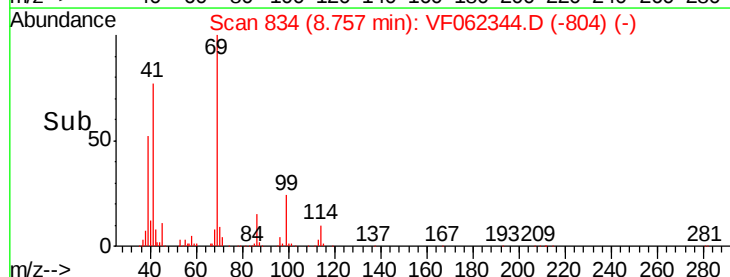
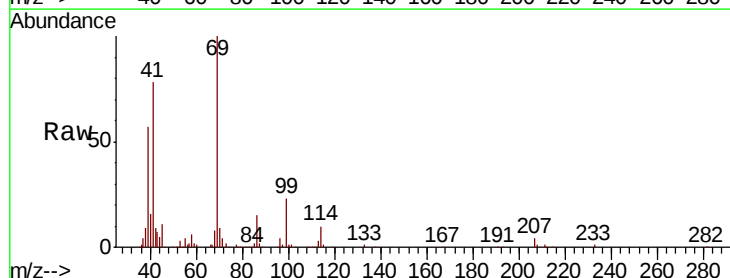
40000

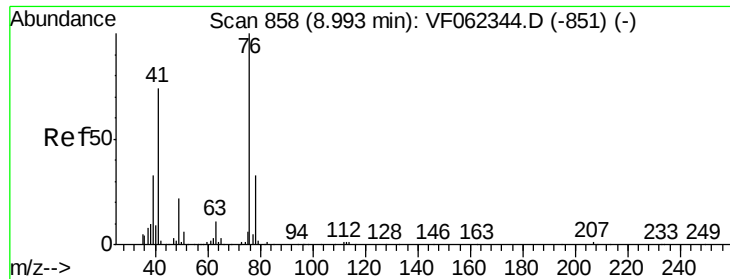
30000

20000

10000

0





#57

1,3-Dichloropropane

Concen: 38.695 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

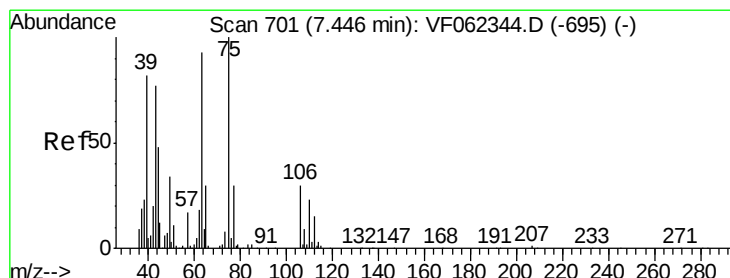
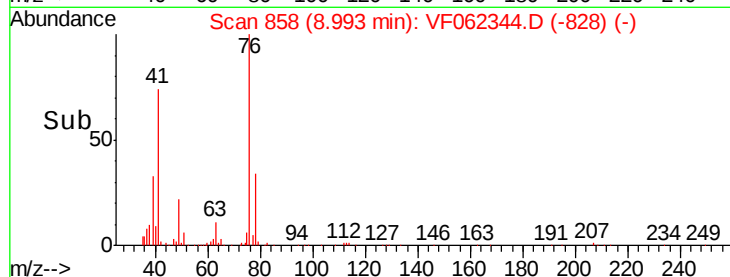
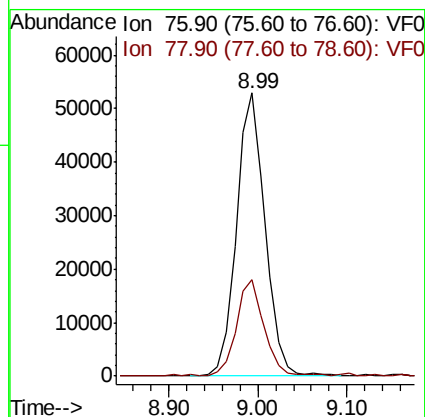
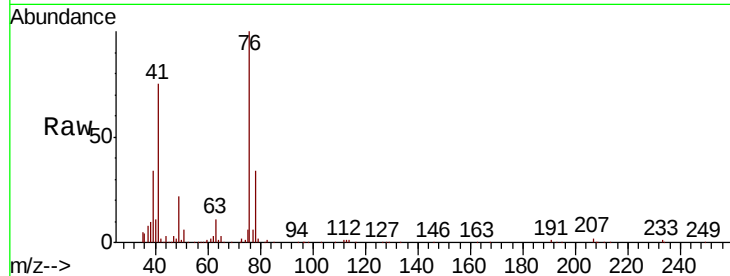
VSTDICCC050

Tot Ion: 76 Resp: 117906

Ion Ratio Lower Upper

76 100

78 33.0 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 187.277 ug/l

RT: 7.45 min Scan# 701

Delta R.T. 0.00 min

Lab File: VF062344.D

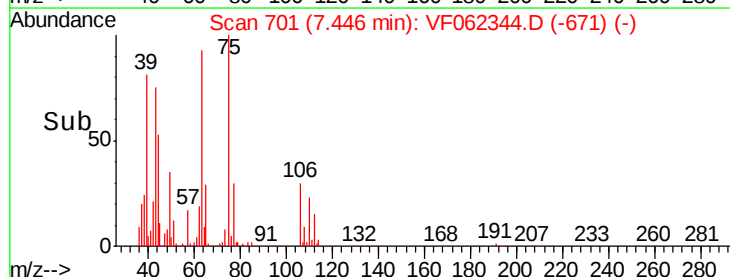
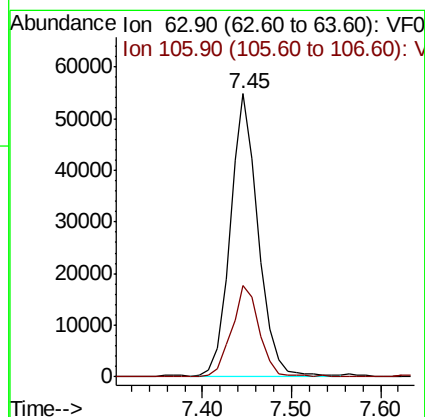
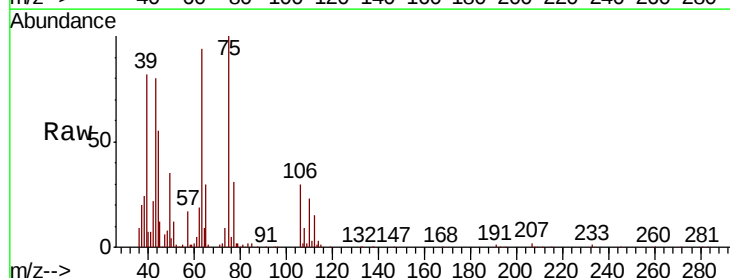
Acq: 6 May 2019 19:08

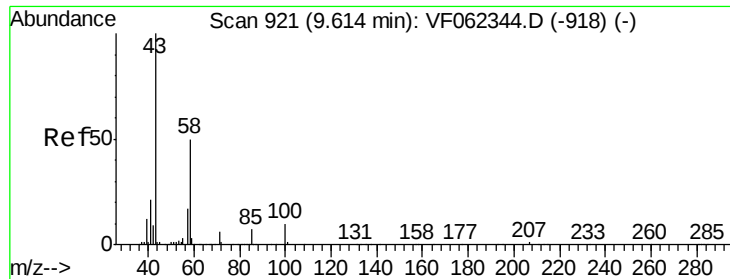
Tgt Ion: 63 Resp: 118827

Ion Ratio Lower Upper

63 100

106 32.3 25.8 38.8

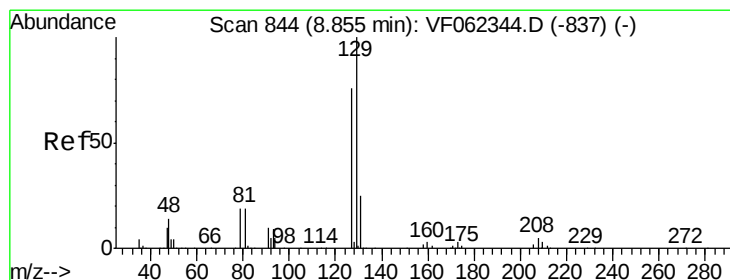
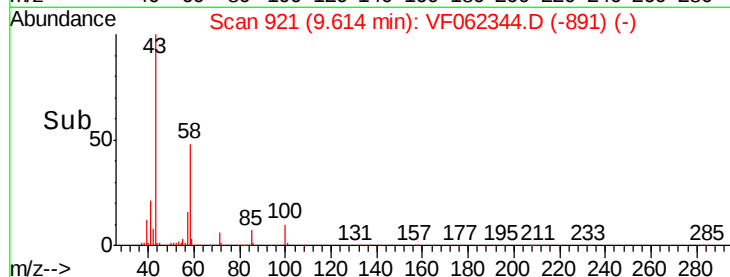
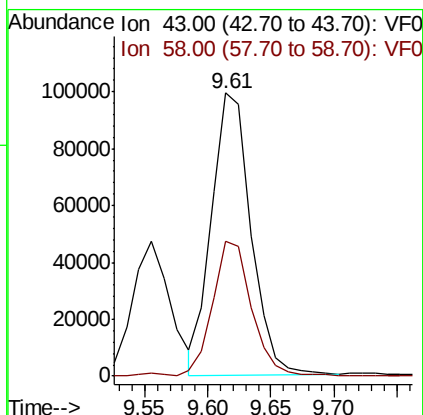
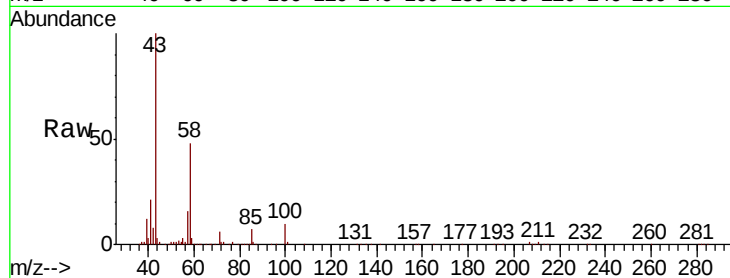




#59
2-Hexanone
Concen: 190.852 ug/l
RT: 9.61 min Scan# 921
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

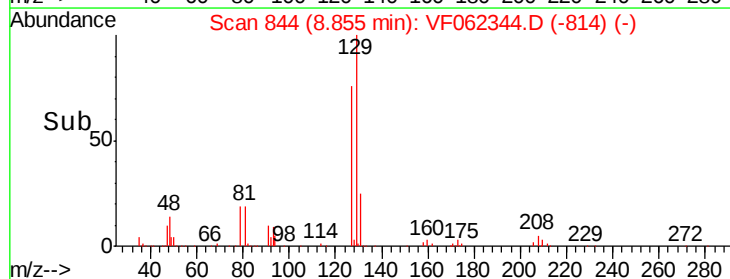
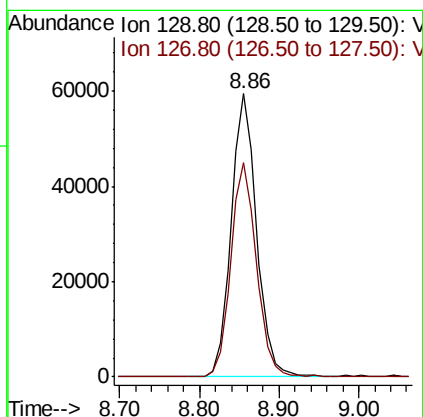
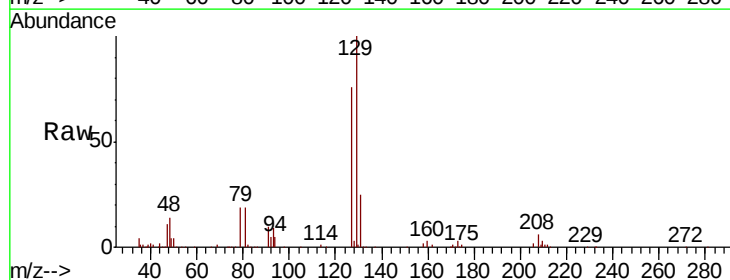
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

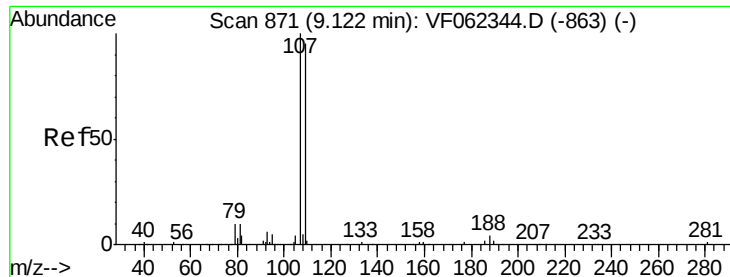
Tot Ion: 43 Resp: 214860
Ion Ratio Lower Upper
43 100
58 48.7 24.3 73.0



#60
Dibromochloromethane
Concen: 40.791 ug/l
RT: 8.86 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 129 Resp: 132624
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 40.702 ug/l

RT: 9.12 min Scan# 871

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

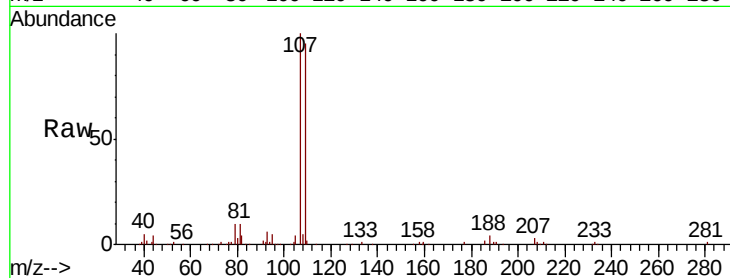
VSTDICCC050

Tot Ion:107 Resp: 94420

Ion Ratio Lower Upper

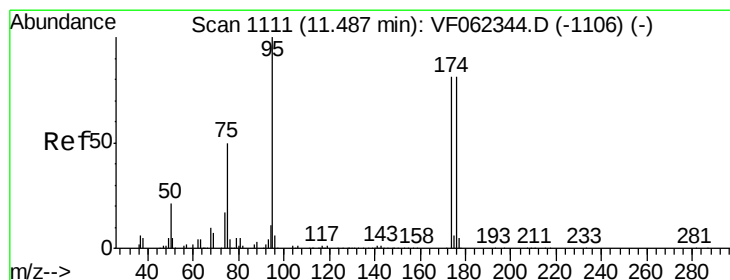
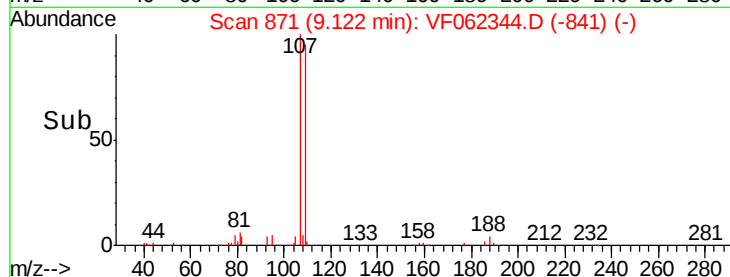
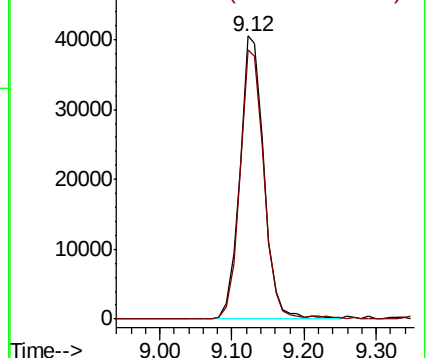
107 100

109 94.0 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.200 ug/l

RT: 11.49 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

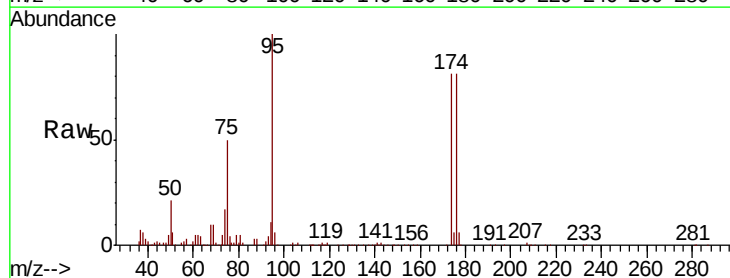
Tgt Ion: 95 Resp: 177766

Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.8

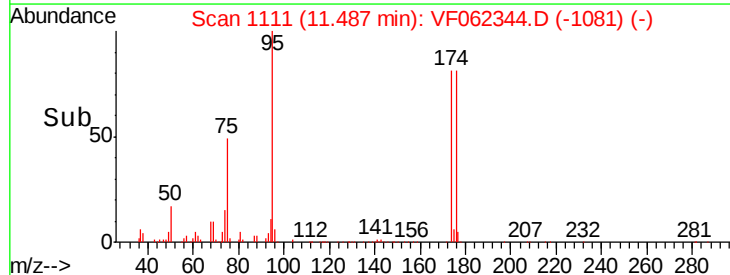
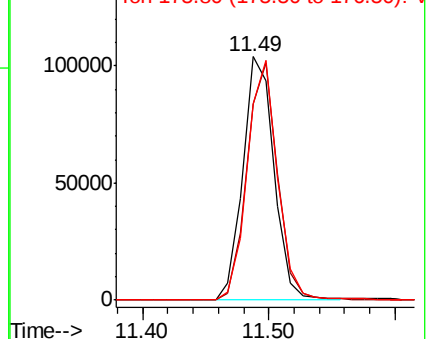
176 96.6 0.0 193.2

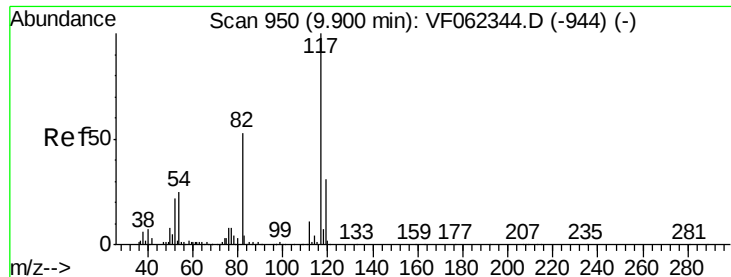


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

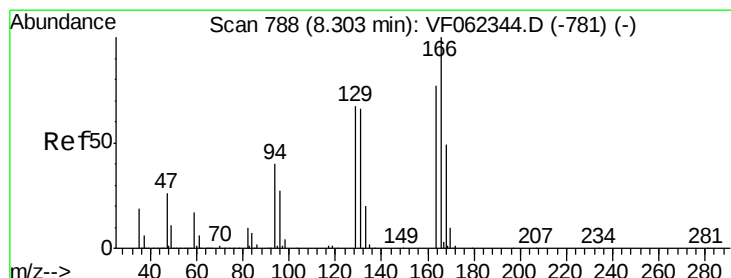
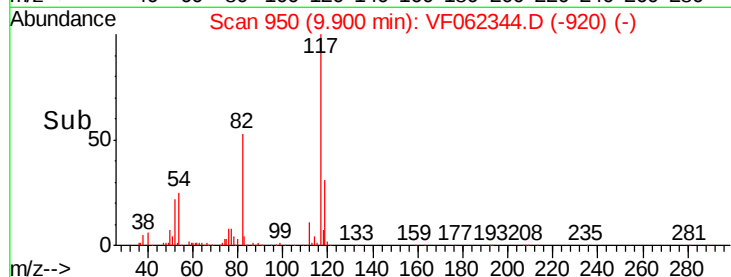
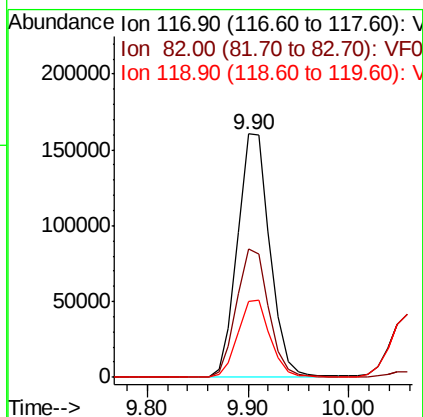
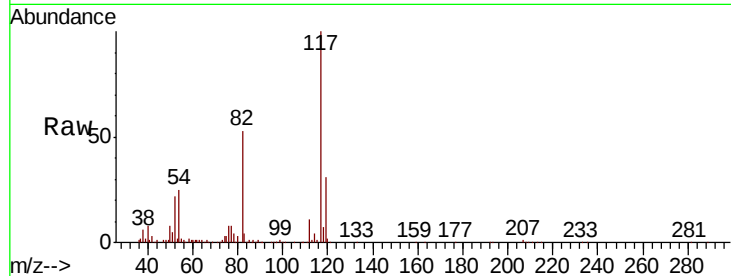




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

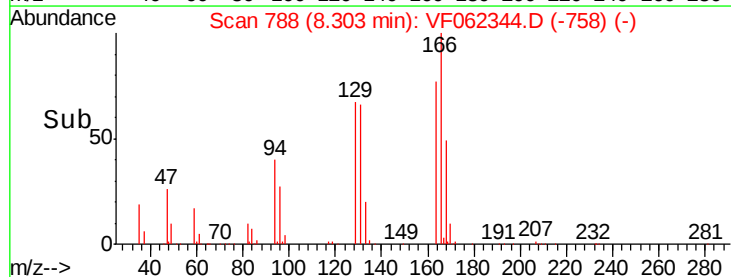
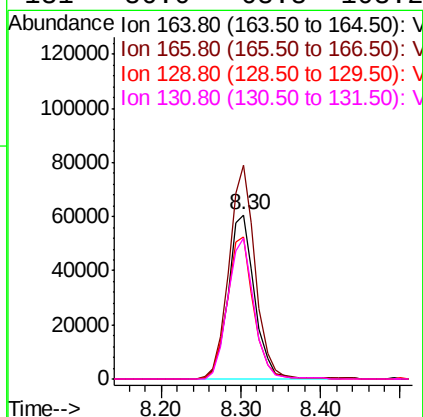
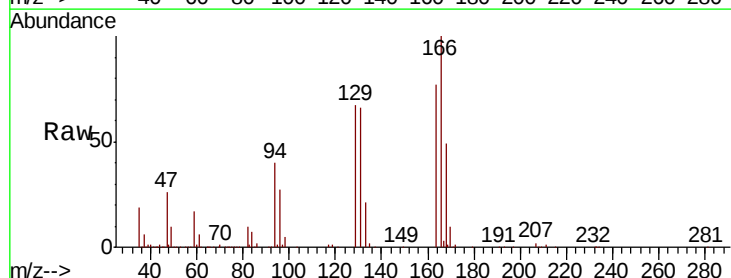
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

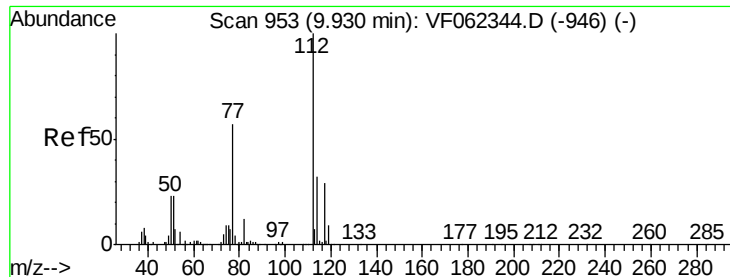
Tot Ion:117 Resp: 360491
Ion Ratio Lower Upper
117 100
82 52.7 42.2 63.2
119 31.2 25.0 37.4



#64
Tetrachloroethene
Concen: 38.644 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion:164 Resp: 140865
Ion Ratio Lower Upper
164 100
166 130.3 104.2 156.4
129 87.0 69.6 104.4
131 86.0 68.8 103.2

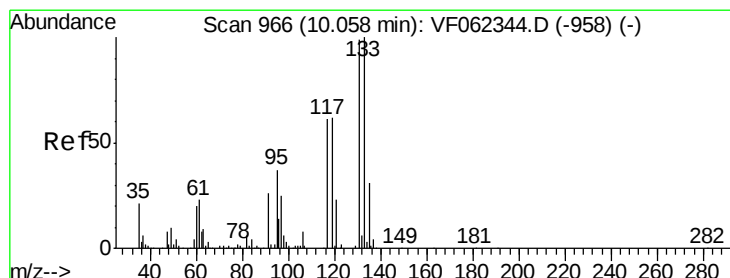
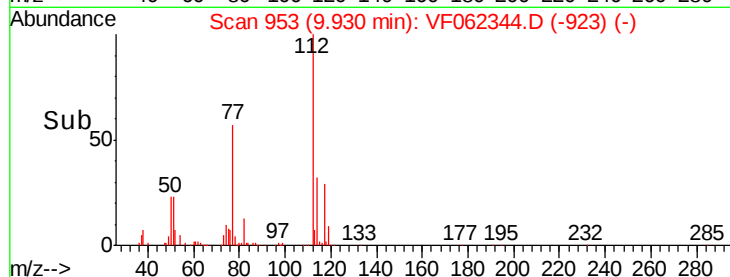
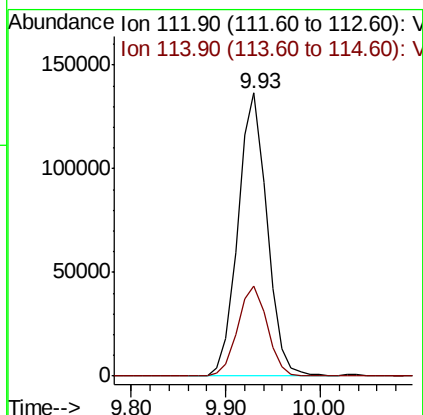
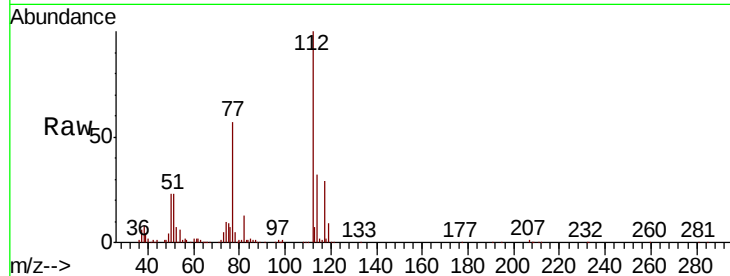




#65
Chlorobenzene
Concen: 37.061 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

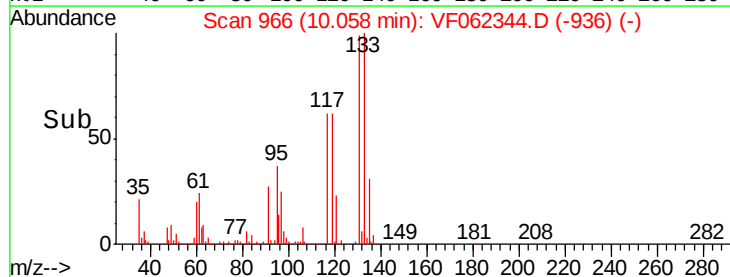
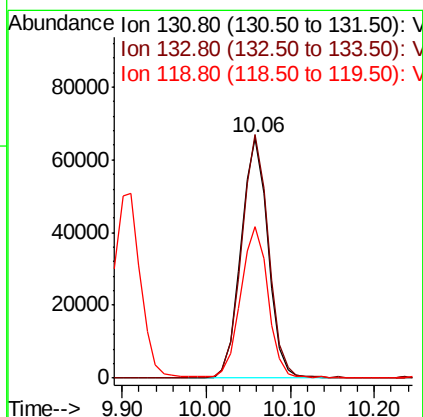
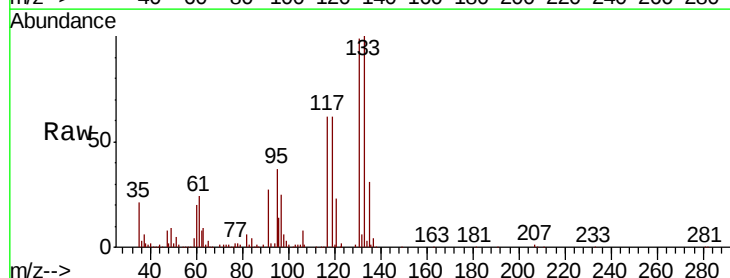
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

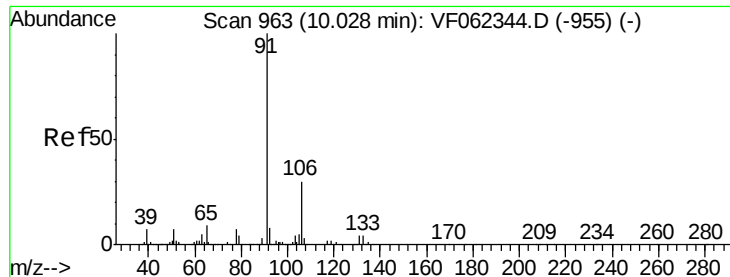
Tot Ion:112 Resp: 291352
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 39.062 ug/l
RT: 10.06 min Scan# 966
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion:131 Resp: 148266
Ion Ratio Lower Upper
131 100
133 100.5 50.2 150.7
119 63.3 31.6 95.0

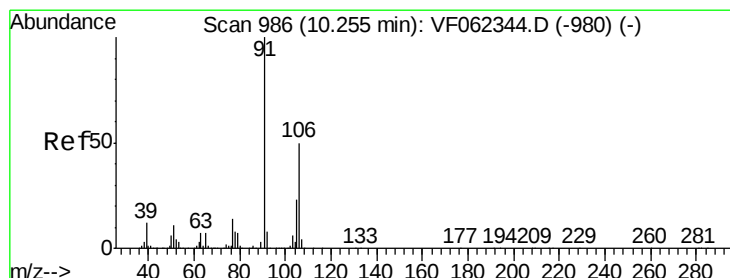
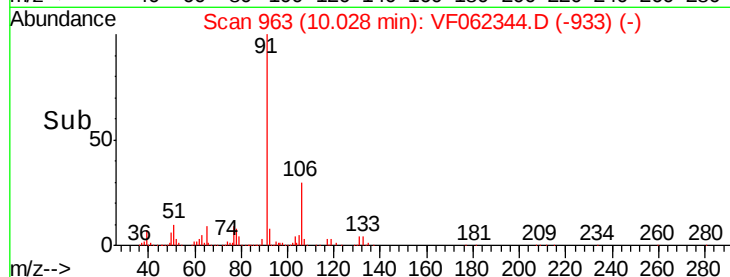
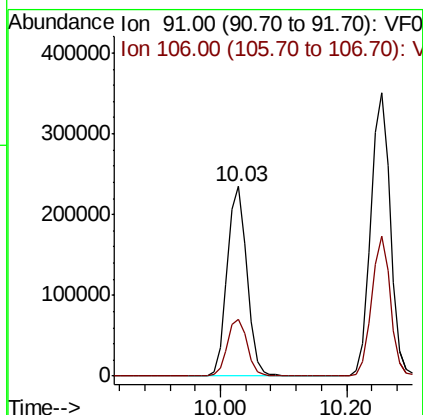
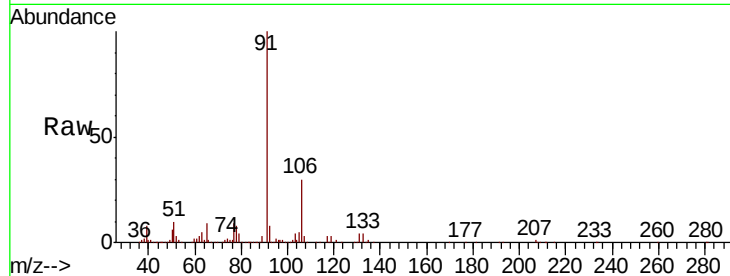




#67
Ethyl Benzene
Concen: 37.304 ug/l
RT: 10.03 min Scan# 963
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

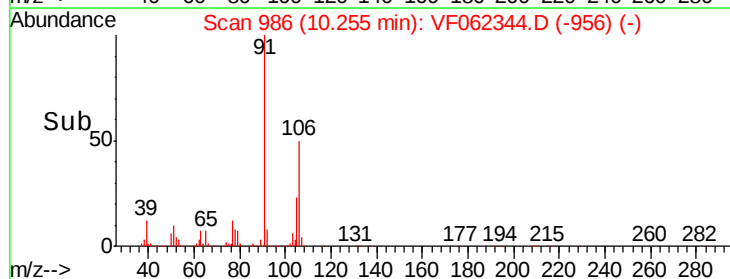
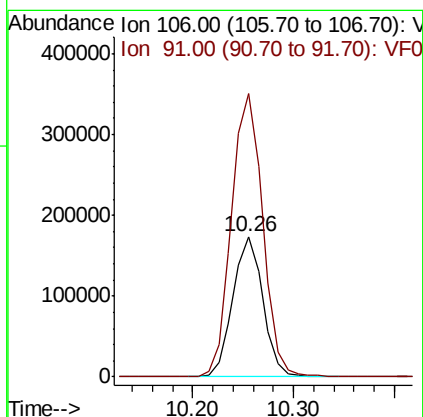
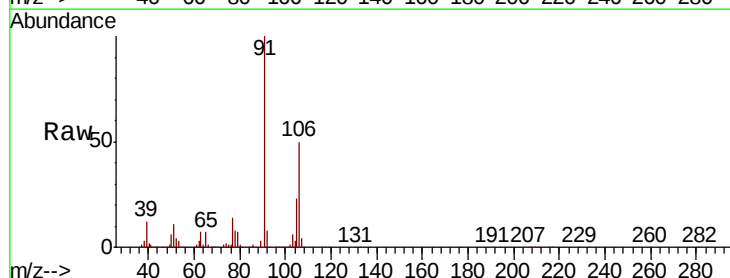
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 509022
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1



#68
m/p-Xylenes
Concen: 71.860 ug/l
RT: 10.26 min Scan# 986
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 106 Resp: 360305
Ion Ratio Lower Upper
106 100
91 209.3 167.4 251.2

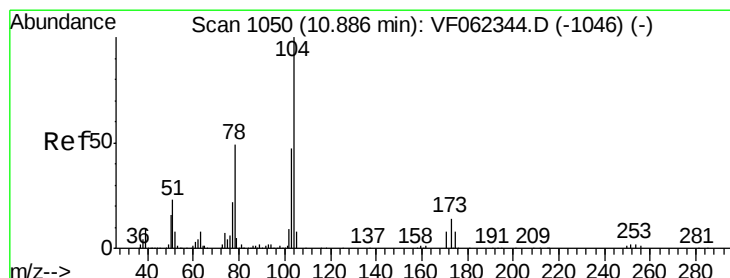
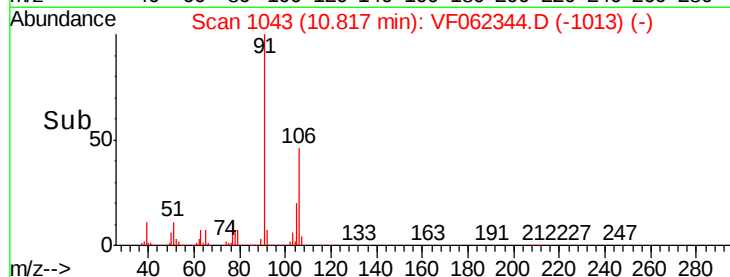
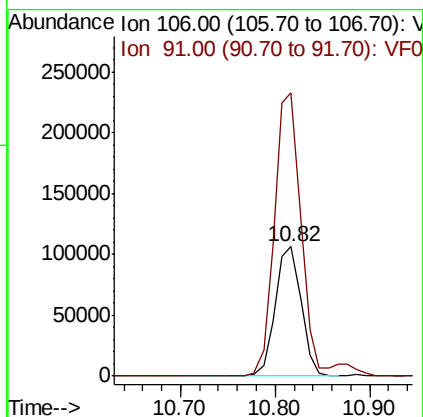
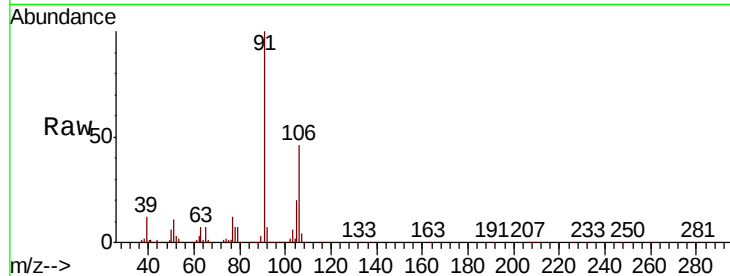




#69
o-Xylene
Concen: 36.298 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

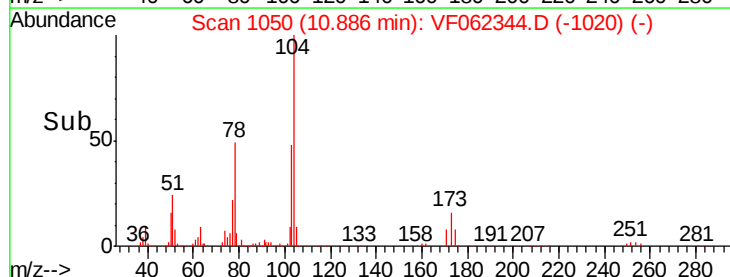
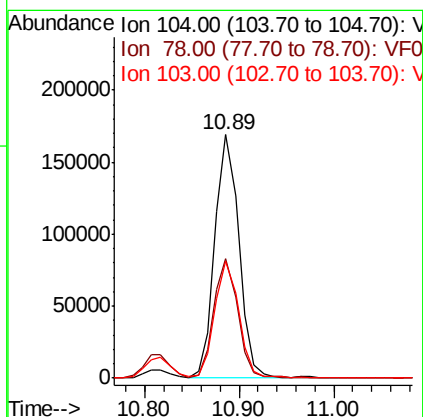
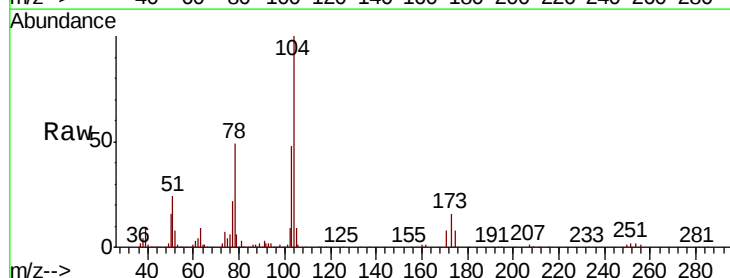
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

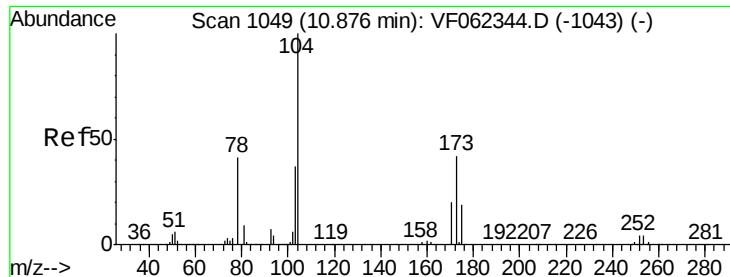
Tot Ion:106 Resp: 203724
Ion Ratio Lower Upper
106 100
91 222.5 111.3 333.8



#70
Styrene
Concen: 36.891 ug/l
RT: 10.89 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion:104 Resp: 300295
Ion Ratio Lower Upper
104 100
78 49.4 39.5 59.3
103 48.0 38.4 57.6





#71

Bromoform

Concen: 39.261 ug/l

RT: 10.88 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

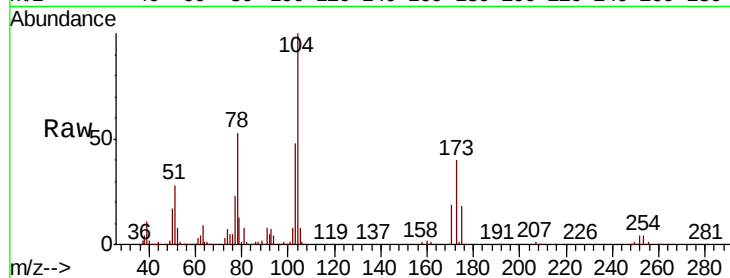
Tot Ion:173 Resp: 83226

Ion Ratio Lower Upper

173 100

175 47.5 23.8 71.2

254 0.1 0.1 0.1#

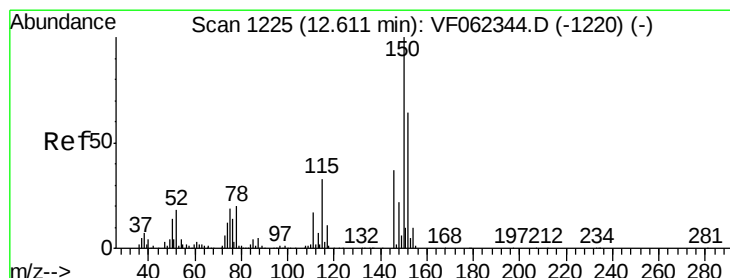
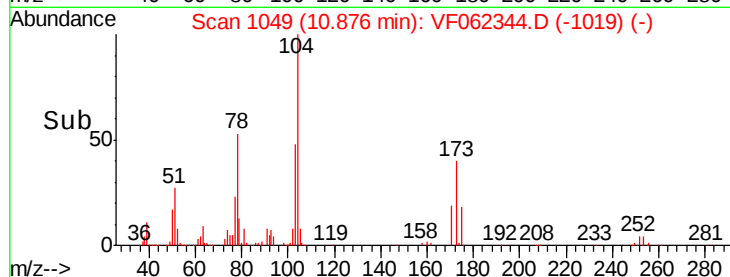
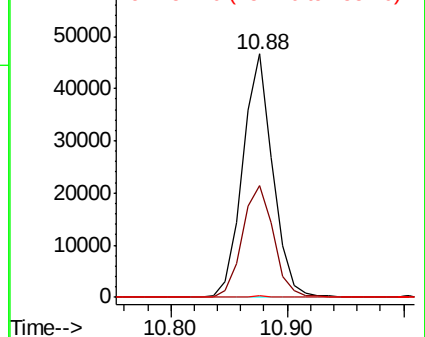


Abundance

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: 12.61 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

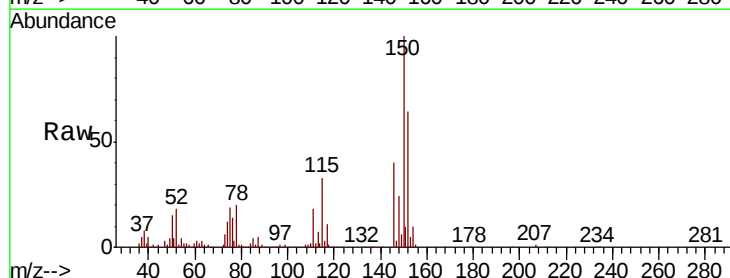
Tgt Ion:152 Resp: 214551

Ion Ratio Lower Upper

152 100

115 52.8 26.4 79.2

150 167.5 0.0 335.0

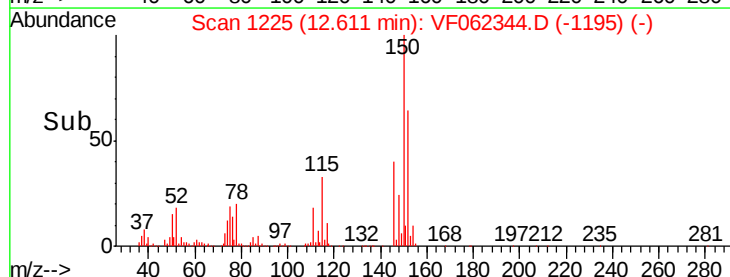
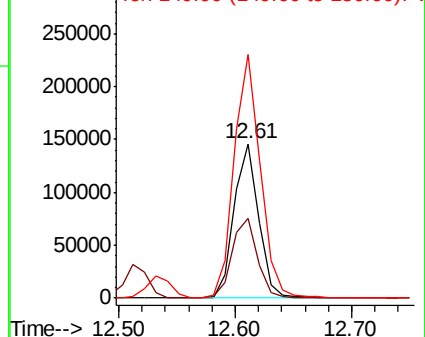


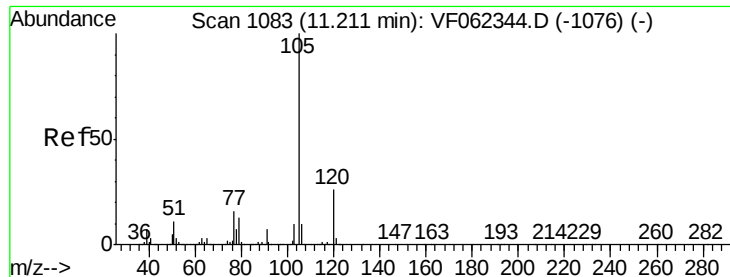
Abundance

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: 36.078 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

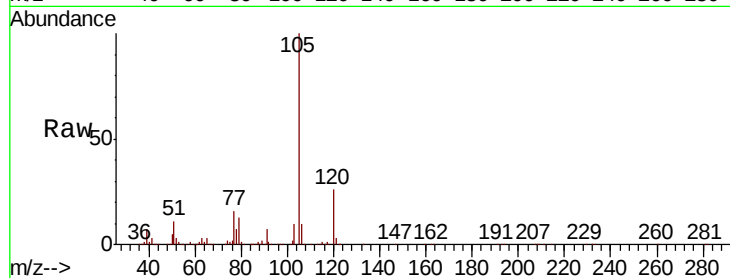
VSTDICCC050

Tot Ion: 105 Resp: 627350

Ion Ratio Lower Upper

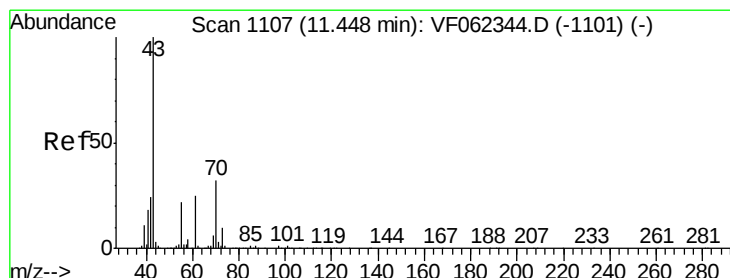
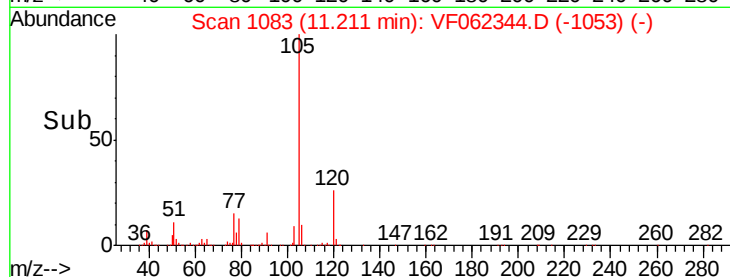
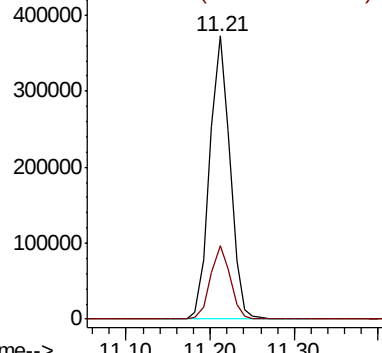
105 100

120 25.3 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 32.631 ug/l

RT: 11.45 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Tgt Ion: 43 Resp: 125032

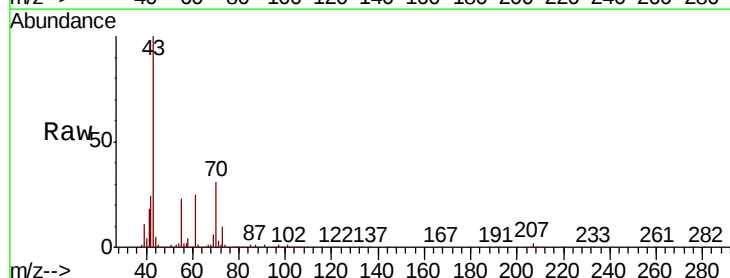
Ion Ratio Lower Upper

43 100

70 33.1 26.5 39.7

55 22.2 17.8 26.6

61 25.2 20.2 30.2

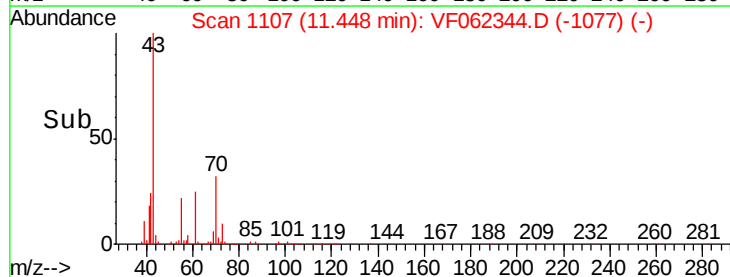
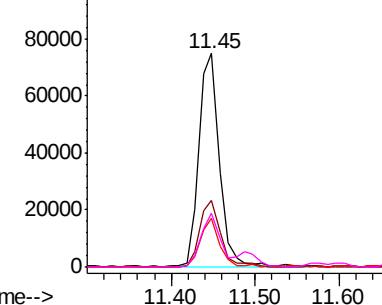


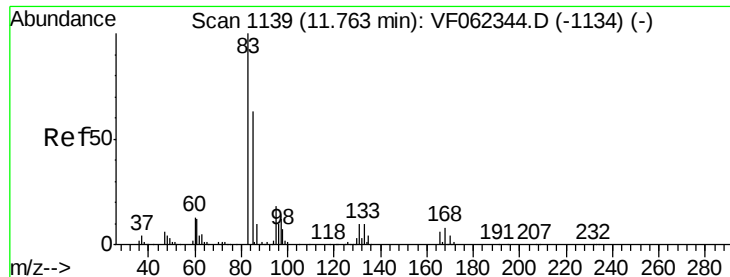
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 36.216 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

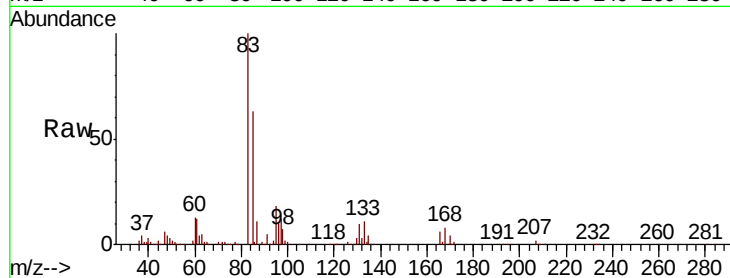
Tot Ion: 83 Resp: 99310

Ion	Ratio	Lower	Upper
83	100		
131	11.6	5.8	17.4
85	70.5	35.3	105.7

83 100

131 11.6 5.8 17.4

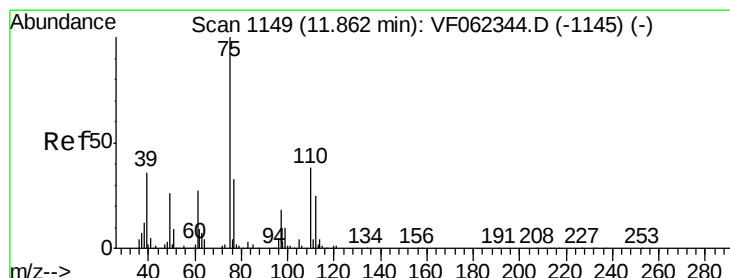
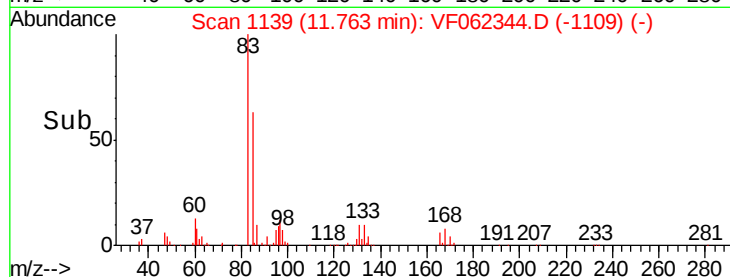
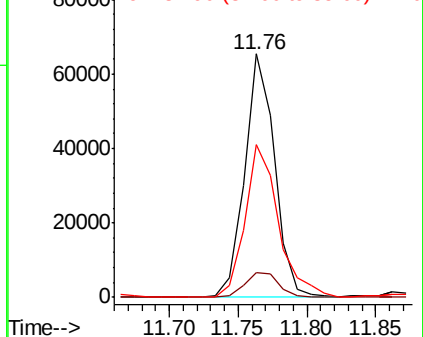
85 70.5 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 36.377 ug/l

RT: 11.86 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062344.D

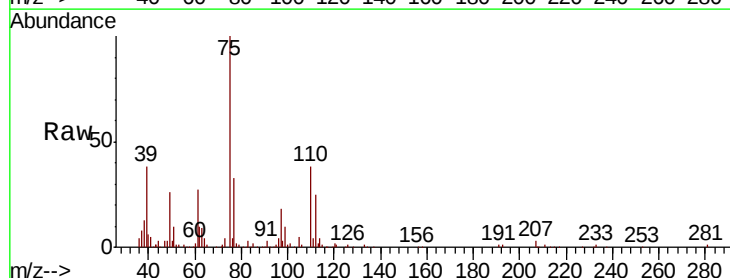
Acq: 6 May 2019 19:08

Tgt Ion: 75 Resp: 72673

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

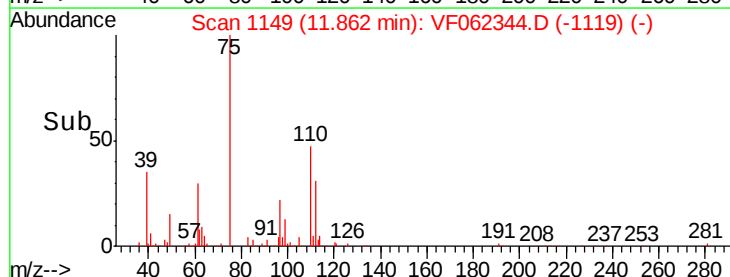
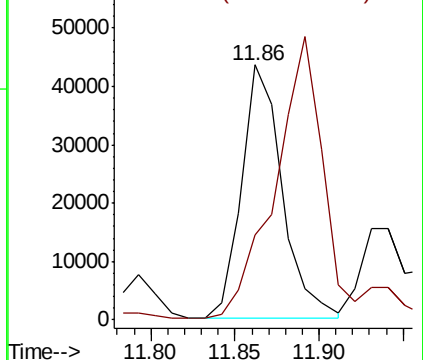
75 100

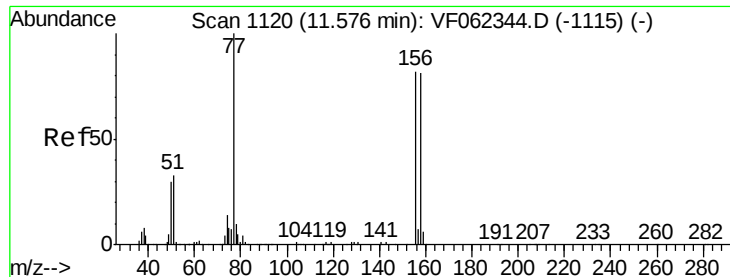
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 37.470 ug/l

RT: 11.58 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

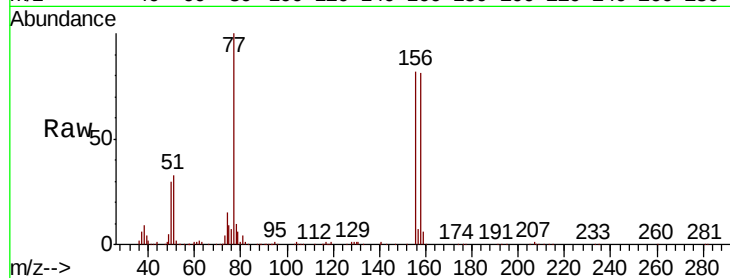
Tot Ion:156 Resp: 164743

Ion Ratio Lower Upper

156 100

77 129.5 64.8 194.3

158 98.2 49.1 147.3



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

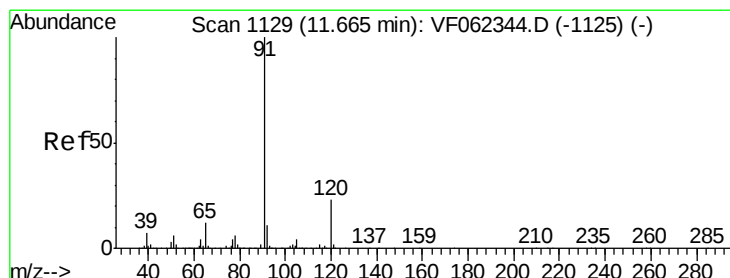
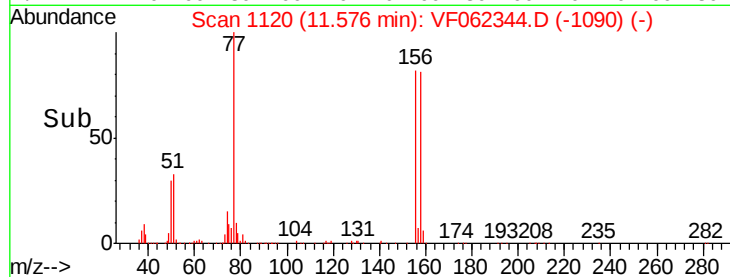
11.58

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 35.690 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VF062344.D

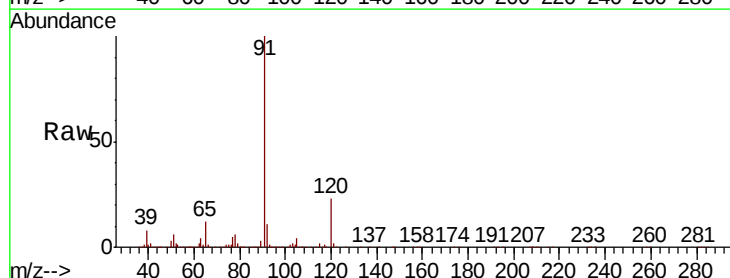
Acq: 6 May 2019 19:08

Tgt Ion: 91 Resp: 646274

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.66

400000

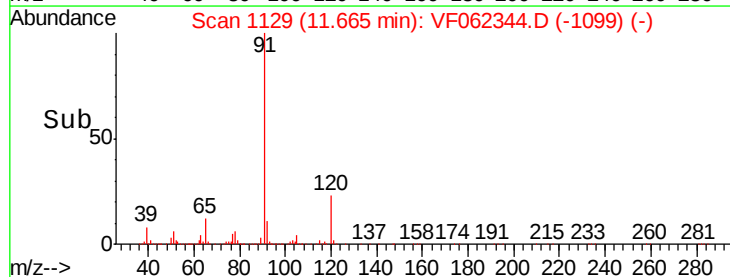
300000

200000

100000

0

Time-->





#79

2-Chlorotoluene

Concen: 36.911 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

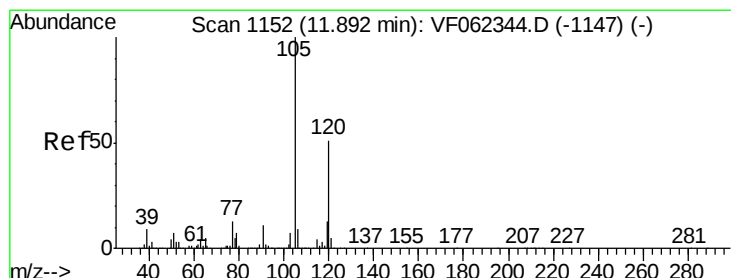
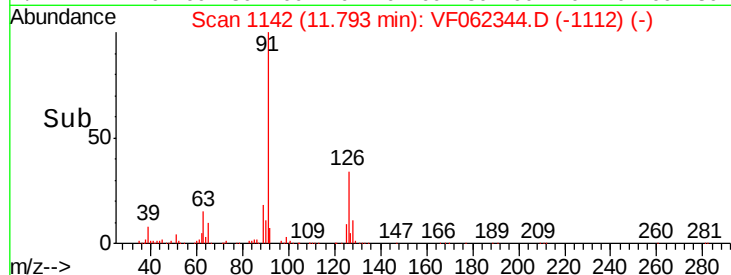
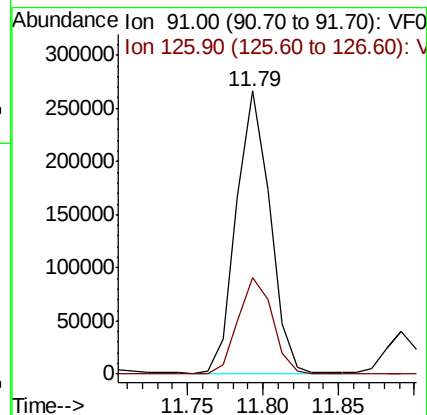
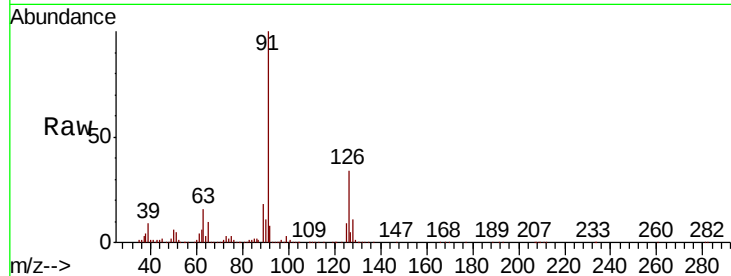
VSTDICCC050

Tot Ion: 91 Resp: 410774

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 36.892 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062344.D

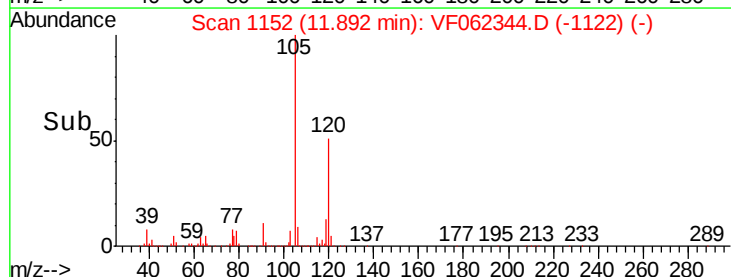
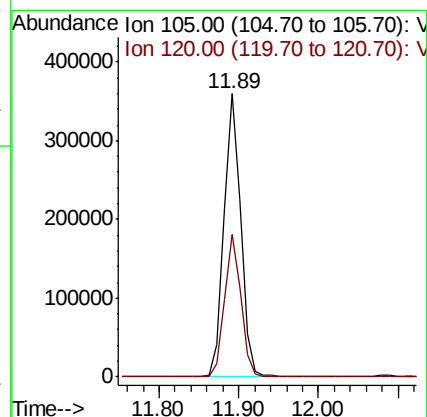
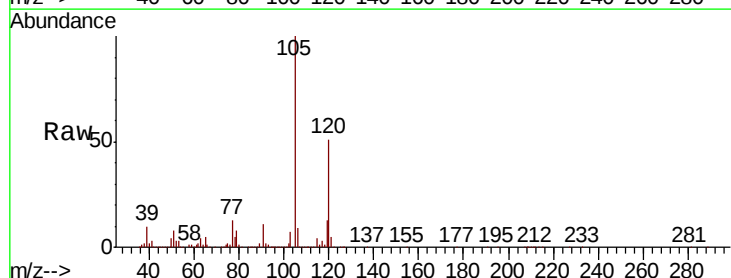
Acq: 6 May 2019 19:08

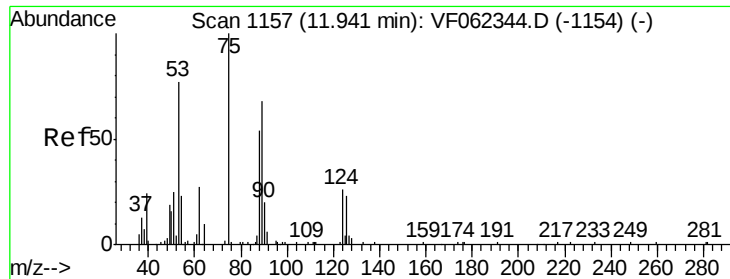
Tgt Ion:105 Resp: 539971

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0

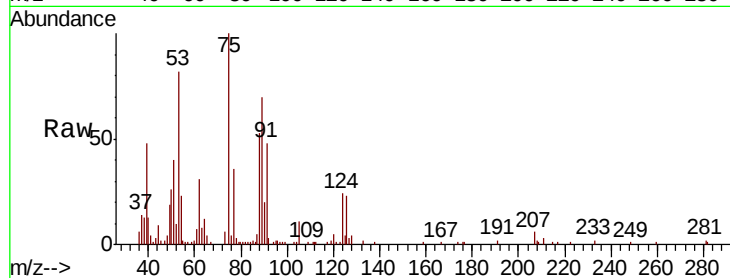




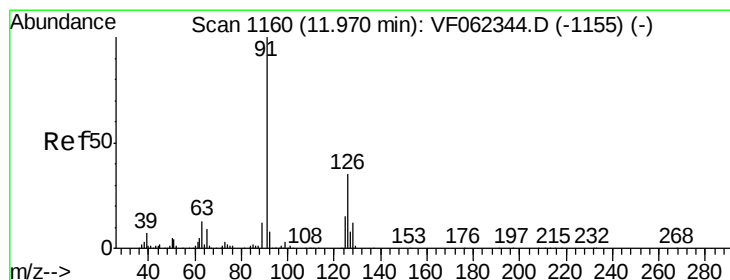
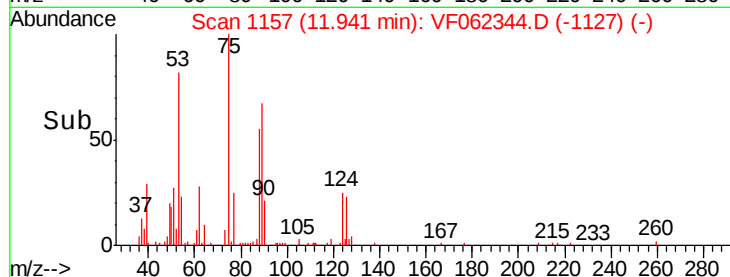
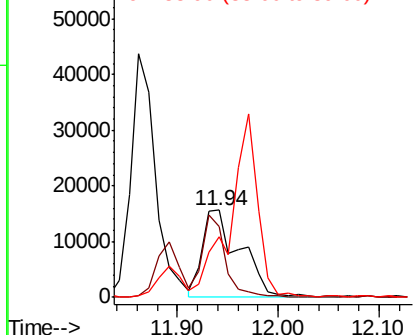
#81
trans-1,4-Dichloro-2-butene
Concen: 48.426 ug/l
RT: 11.94 min Scan# 1157
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 39911
Ion Ratio Lower Upper
75 100
53 59.3 71.9 107.9#
89 0.0 0.0 0.0

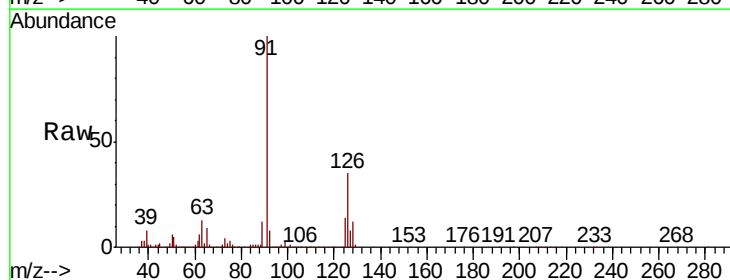


Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 88.90 (88.60 to 89.60): VF0

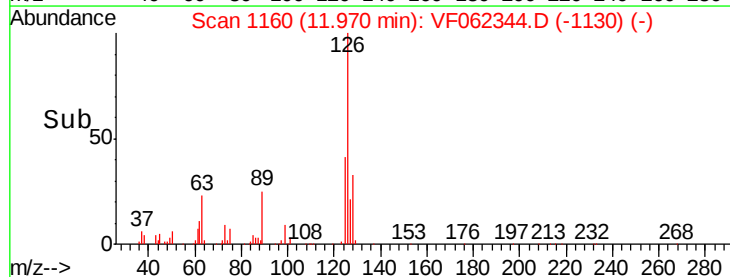
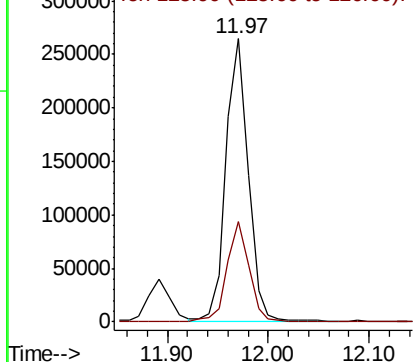


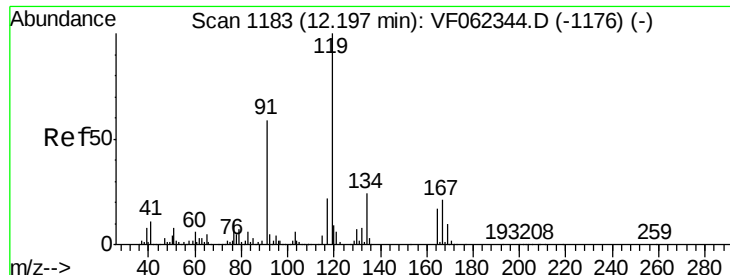
#82
4-Chlorotoluene
Concen: 36.903 ug/l
RT: 11.97 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion: 91 Resp: 403466
Ion Ratio Lower Upper
91 100
126 35.4 17.7 53.1



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

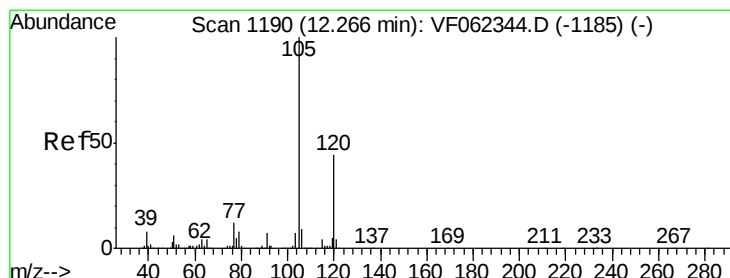
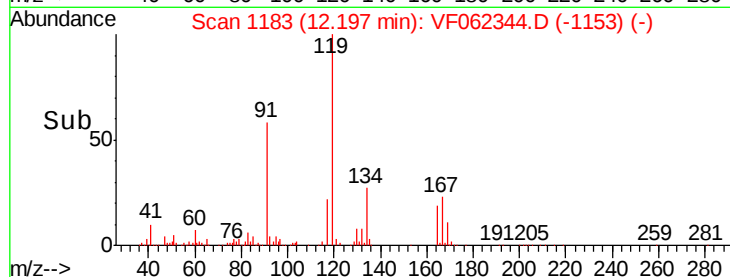
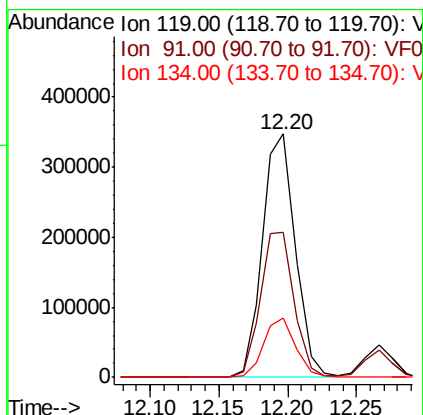
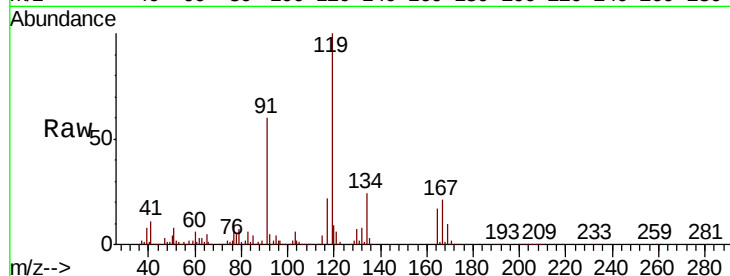




#83
tert-Butylbenzene
Concen: 37.888 ug/l
RT: 12.20 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

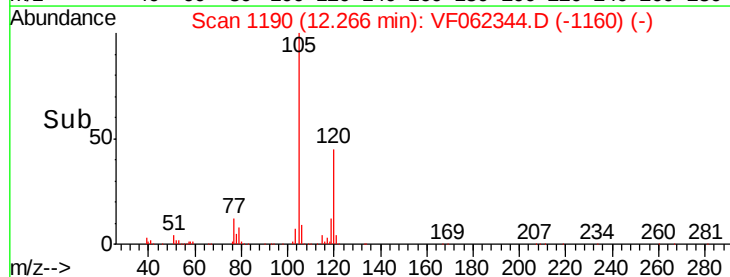
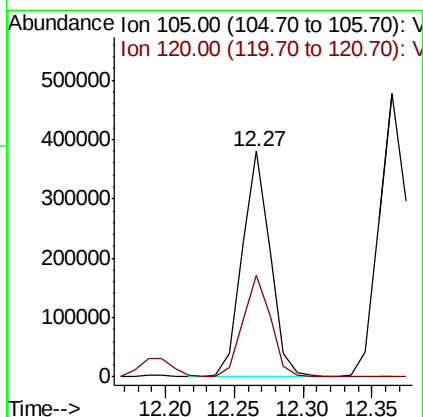
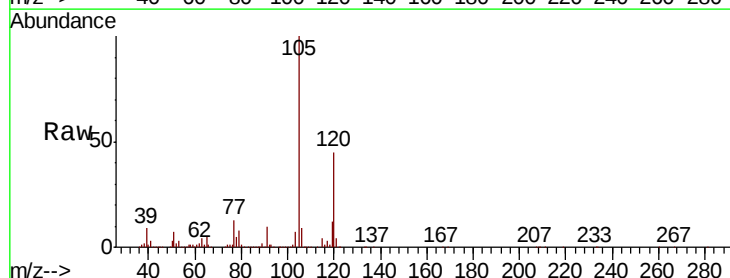
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

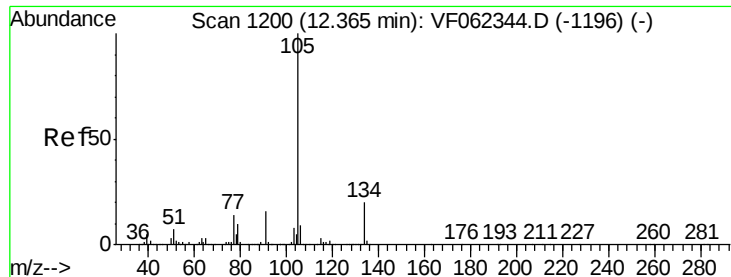
Tot Ion:119 Resp: 578804
Ion Ratio Lower Upper
119 100
91 60.9 30.4 91.3
134 23.8 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 37.367 ug/l
RT: 12.27 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion:105 Resp: 536320
Ion Ratio Lower Upper
105 100
120 45.1 22.6 67.7

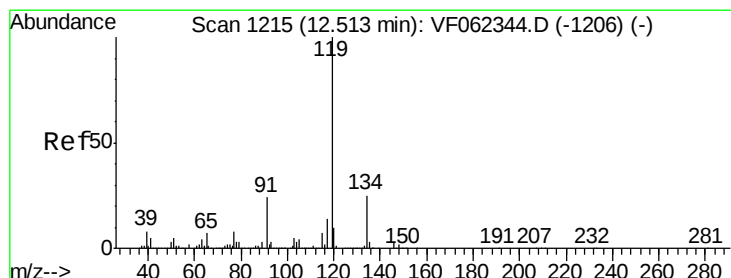
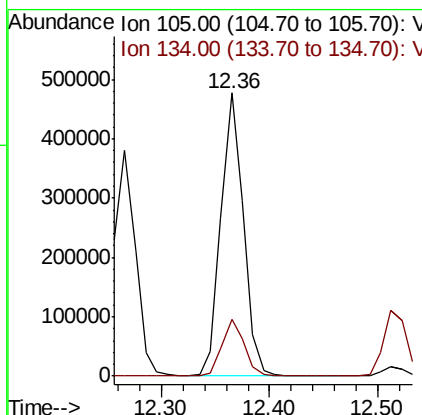
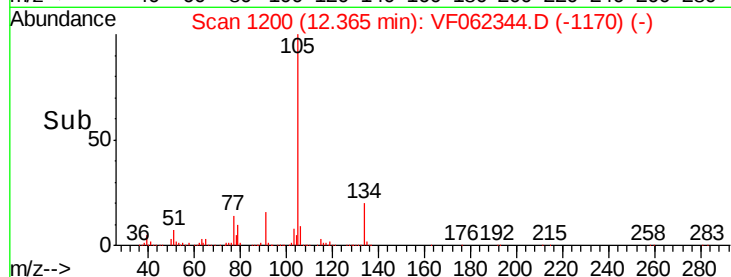
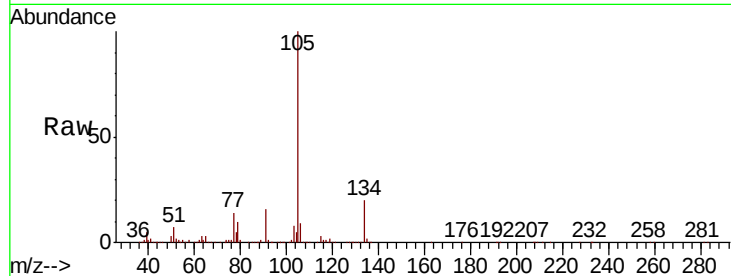




#85
 sec-Butylbenzene
 Concen: 36.759 ug/l
 RT: 12.36 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

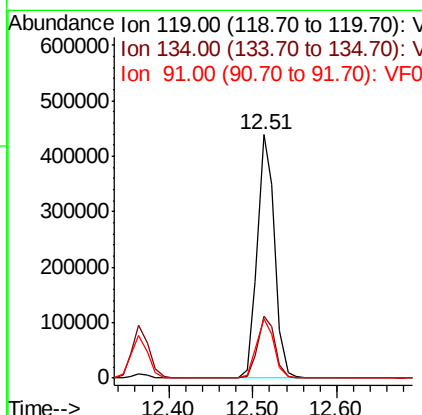
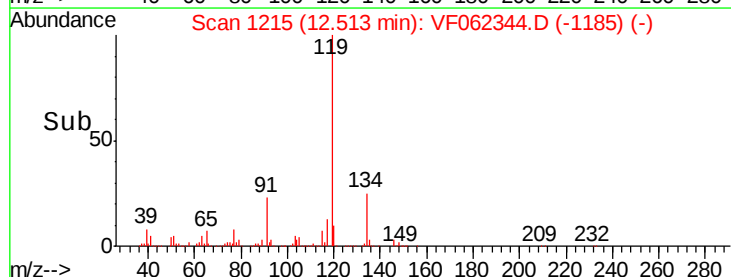
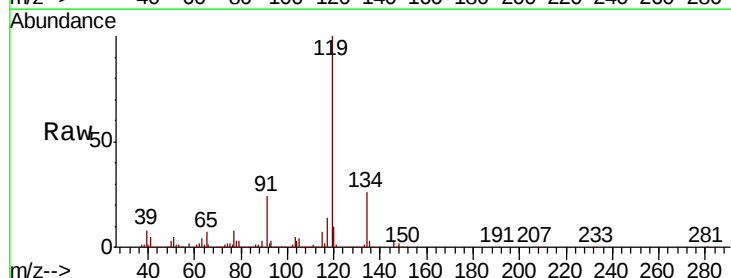
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

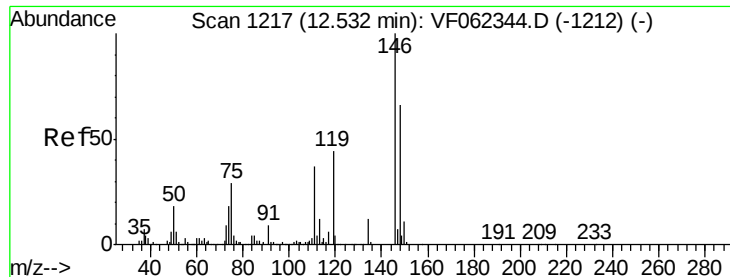
Tot Ion:105 Resp: 691399
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 37.614 ug/l
 RT: 12.51 min Scan# 1215
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Tgt Ion:119 Resp: 638742
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 36.977 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

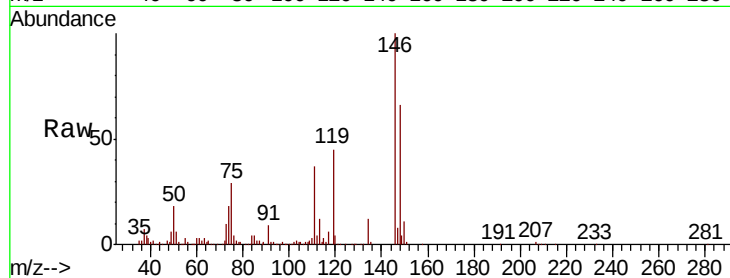
Tot Ion:146 Resp: 286089

Ion Ratio Lower Upper

146 100

111 36.5 18.3 54.8

148 64.6 32.3 96.9

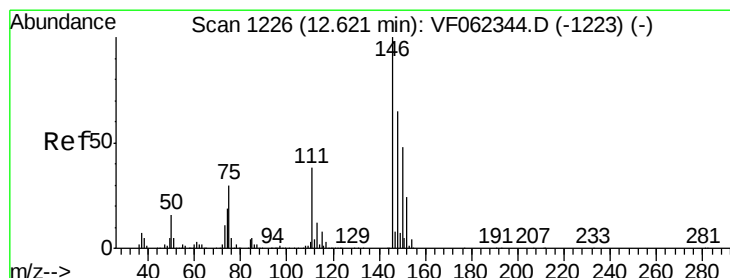
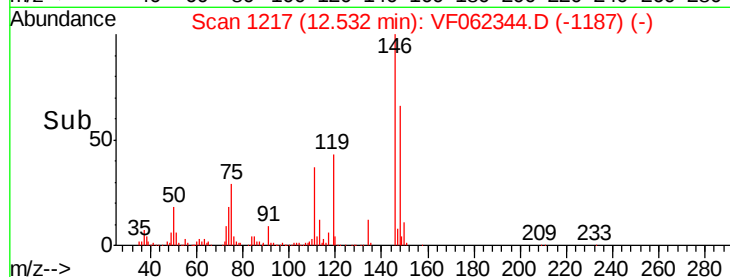
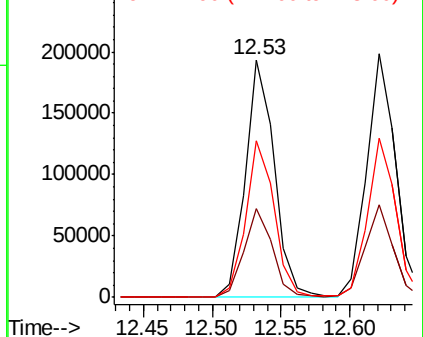


Abundance

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: 38.853 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

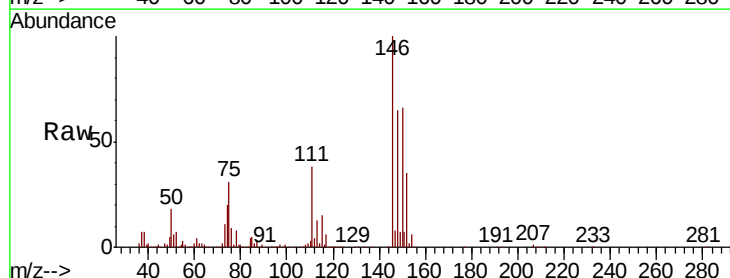
Tgt Ion:146 Resp: 290677

Ion Ratio Lower Upper

146 100

111 37.5 18.8 56.3

148 64.4 32.2 96.6

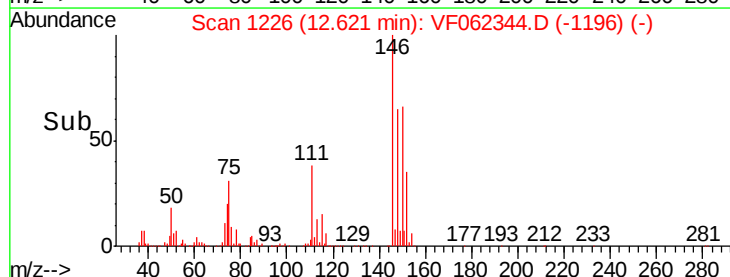
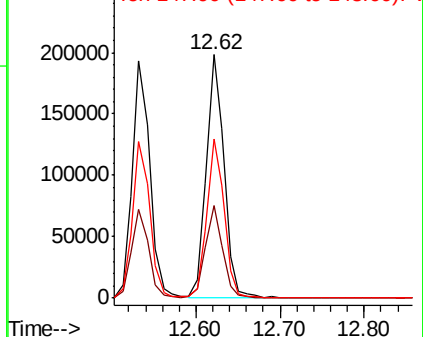


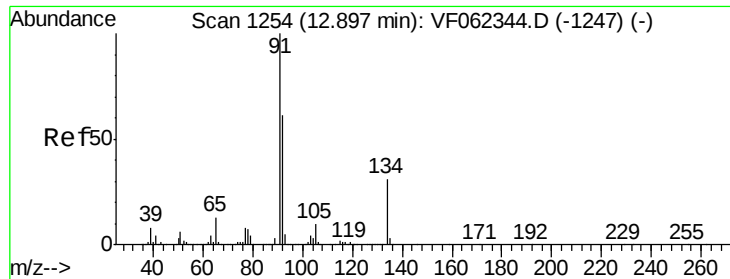
Abundance

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





#89

n-Butylbenzene

Concen: 36.616 ug/l

RT: 12.90 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VF062344.D

Acq: 6 May 2019 19:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

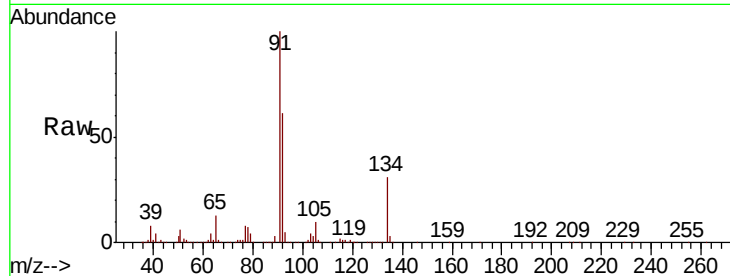
Tot Ion: 91 Resp: 558081

Ion Ratio Lower Upper

91 100

92 60.0 30.0 90.0

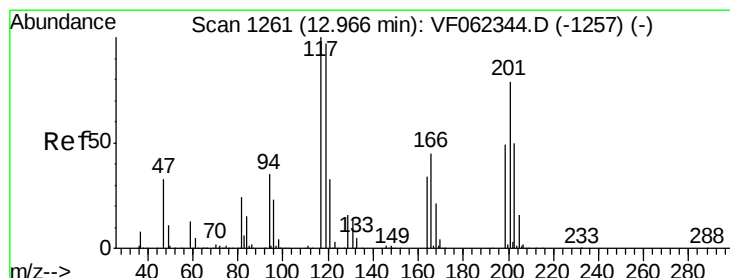
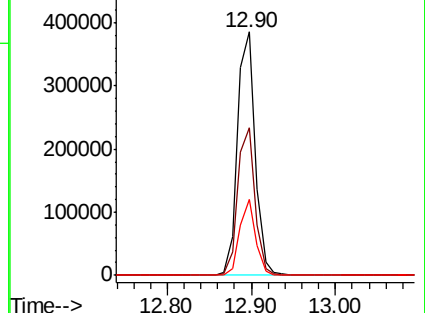
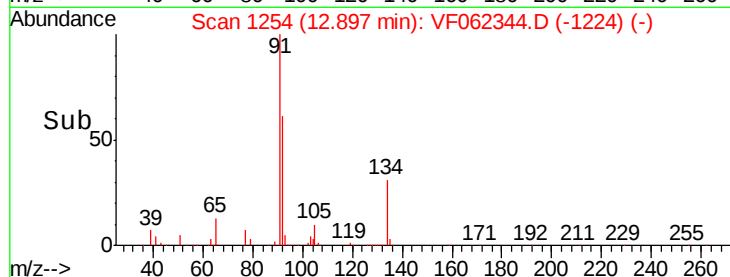
134 28.3 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 38.014 ug/l

RT: 12.97 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VF062344.D

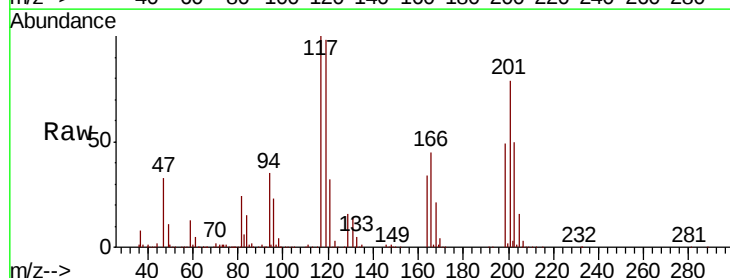
Acq: 6 May 2019 19:08

Tgt Ion: 117 Resp: 163994

Ion Ratio Lower Upper

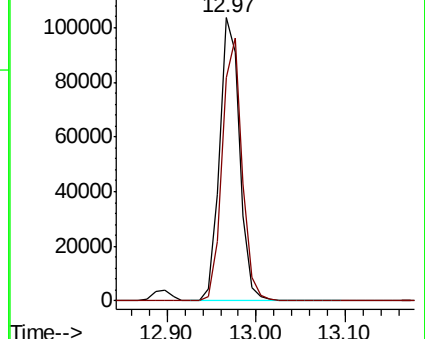
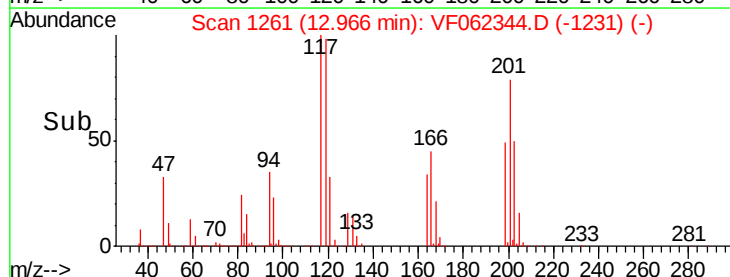
117 100

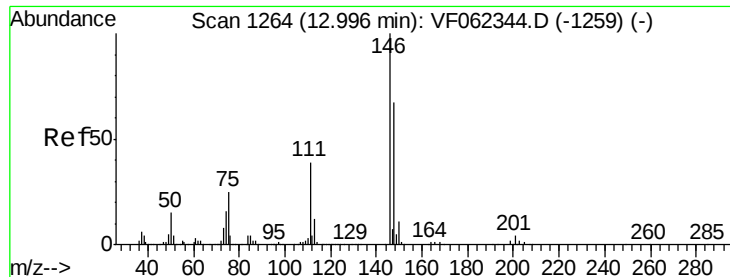
201 92.3 46.2 138.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

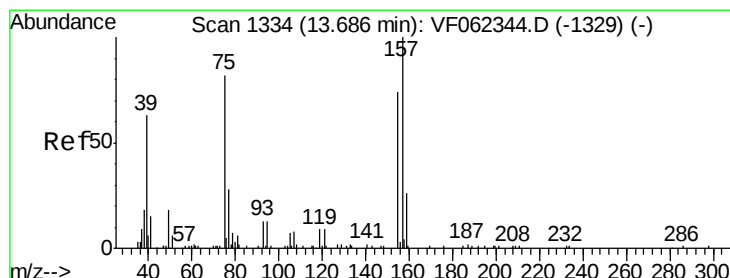
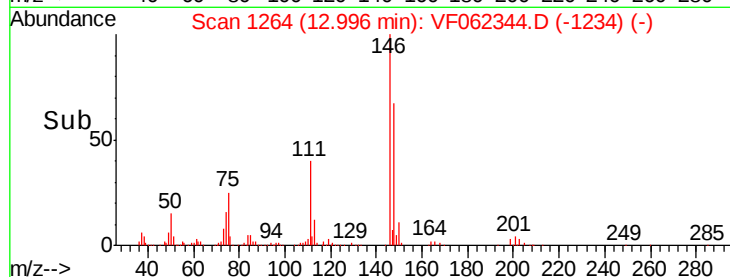
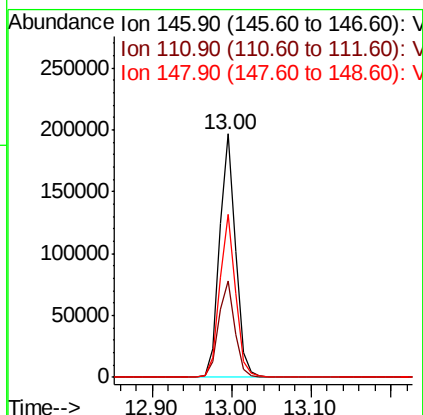
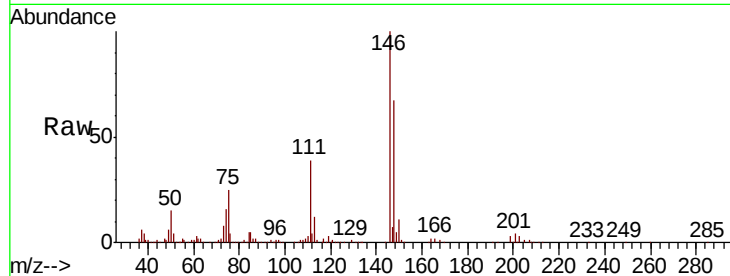




#91
 1,2-Dichlorobenzene
 Concen: 37.892 ug/l
 RT: 13.00 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

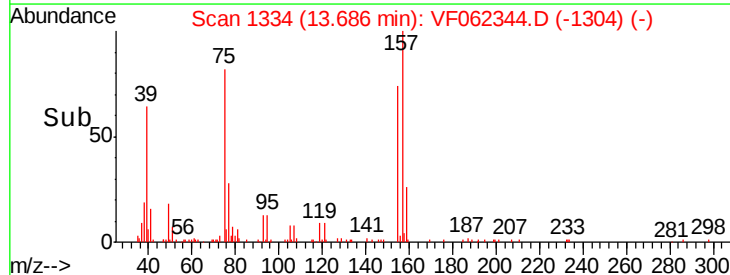
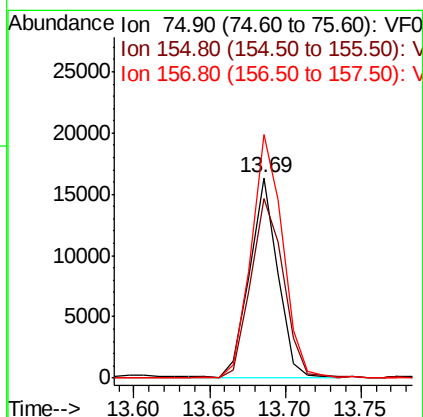
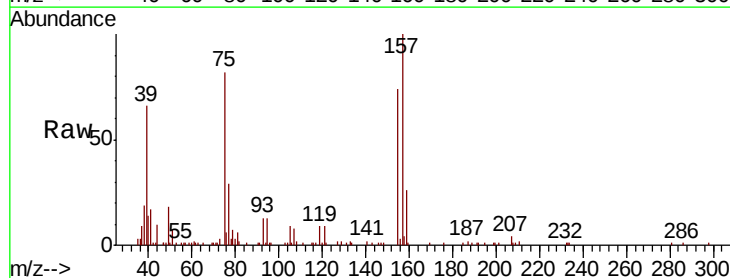
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

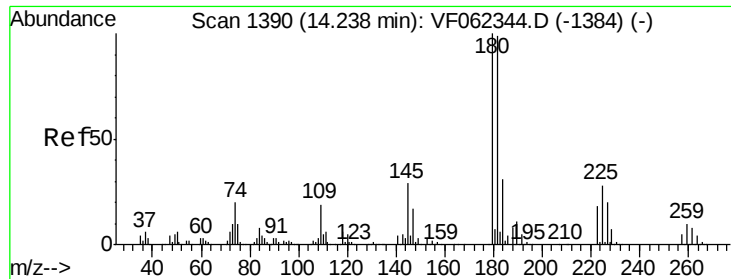
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	66.3	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 37.489 ug/l
 RT: 13.69 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.6	51.8	155.4
157	134.5	67.3	201.8

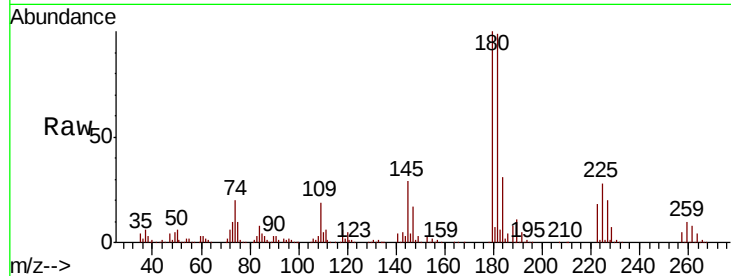




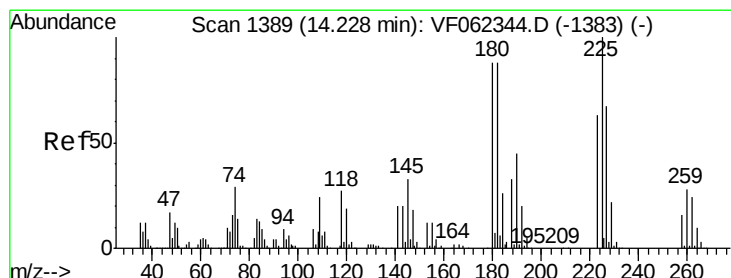
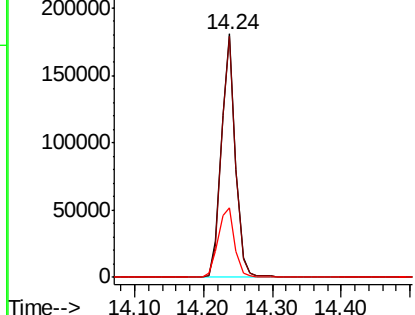
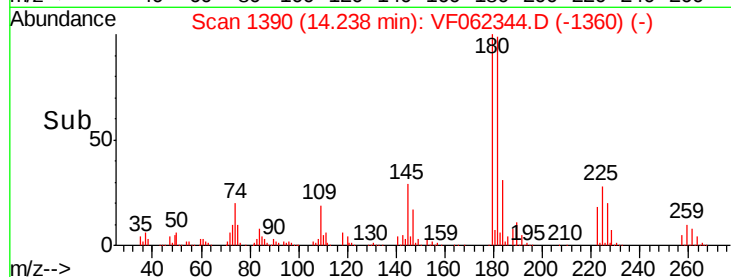
#93
 1,2,4-Trichlorobenzene
 Concen: 38.715 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 257068
 Ion Ratio Lower Upper
 180 100
 182 98.0 49.0 147.0
 145 33.4 16.7 50.1

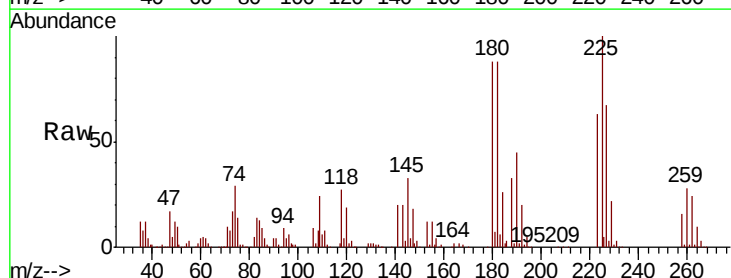


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

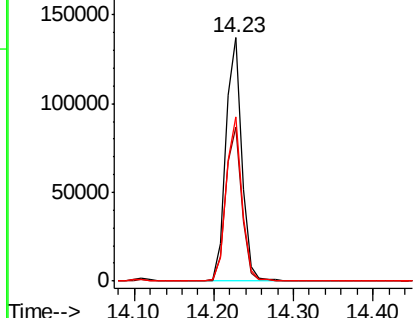
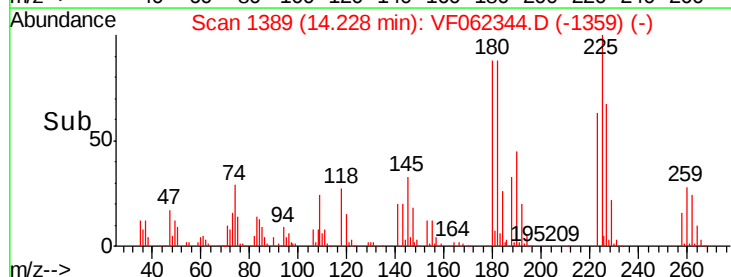


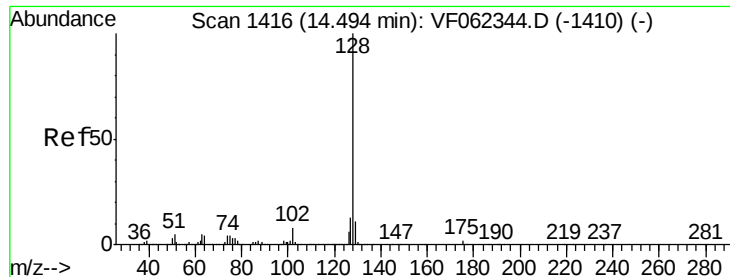
#94
 Hexachlorobutadiene
 Concen: 40.022 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VF062344.D
 Acq: 6 May 2019 19:08

Tgt Ion:225 Resp: 194389
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.9 95.5
 227 66.3 33.1 99.5



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

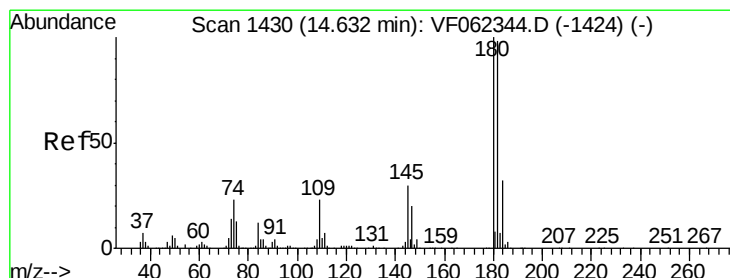
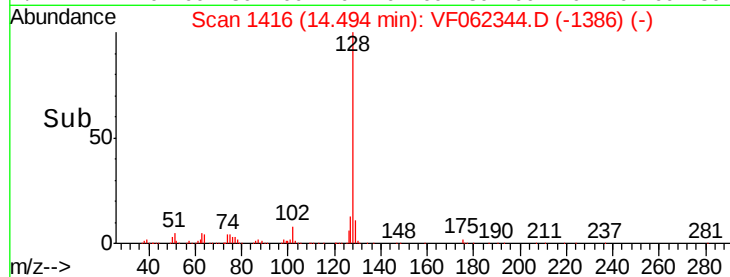
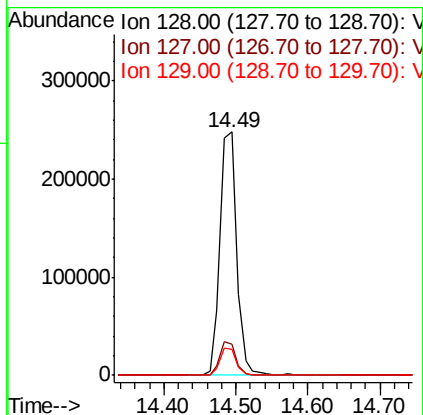
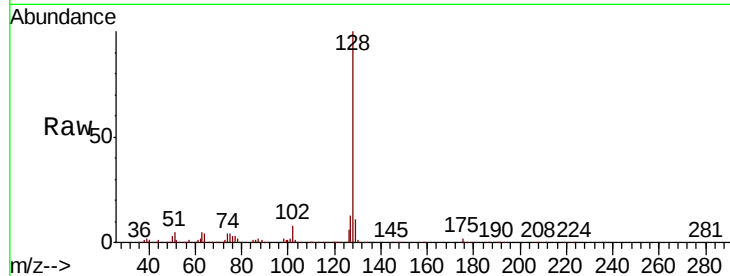




#95
Naphthalene
Concen: 38.472 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion:128 Resp: 398034
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 39.957 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. 0.00 min
Lab File: VF062344.D
Acq: 6 May 2019 19:08

Tgt Ion:180 Resp: 254851
Ion Ratio Lower Upper
180 100
182 98.7 49.4 148.0
145 29.5 14.8 44.3

