

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
 Data File : VF062474.D
 Acq On : 11 May 2019 22:43
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: May 12 03:51:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	291402	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	377244	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	336619	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	211242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	143711	52.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.38%	
35) Dibromofluoromethane	4.32	113	165587	55.10	ug/l	0.02
Spiked Amount	50.000		Recovery	=	110.20%	
50) Toluene-d8	7.72	98	379701	52.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	11.50	95	166209	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	138938	41.197	ug/l	100
3) Chloromethane	1.15	50	86861	39.052	ug/l	94
4) Vinyl Chloride	1.20	62	92381	41.640	ug/l	98
5) Bromomethane	1.39	94	83864	50.102	ug/l	99
6) Chloroethane	1.44	64	54415	48.785	ug/l	95
7) Trichlorofluoromethane	1.55	101	229674	49.895	ug/l	100
8) Diethyl Ether	1.72	74	33469	48.053	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.91	101	130077	49.496	ug/l	97
10) Methyl Iodide	1.97	142	216808	50.062	ug/l	99
11) Tert butyl alcohol	2.69	59	33597	215.862	ug/l	96
12) 1,1-Dichloroethene	1.87	96	100919	45.171	ug/l	97
13) Acrolein	2.10	56	28385	299.202	ug/l	90
14) Allyl chloride	2.20	41	144199	73.066	ug/l	95
15) Acrylonitrile	3.10	53	68114	231.032	ug/l	97
16) Acetone	2.36	43	121170	217.506	ug/l	99
17) Carbon Disulfide	1.91	76	200590	41.177	ug/l	99
18) Methyl Acetate	2.47	43	49164	48.285	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	230826	50.051	ug/l	98
20) Methylene Chloride	2.33	84	97181	48.216	ug/l #	89
21) trans-1,2-Dichloroethene	2.43	96	92086	43.261	ug/l	96
22) Diisopropyl ether	2.95	45	295069	47.837	ug/l	99
23) Vinyl Acetate	3.35	43	662317	240.922	ug/l	98
24) 1,1-Dichloroethane	3.02	63	194931	52.290	ug/l	97
25) 2-Butanone	4.54	43	159731	228.225	ug/l	97
26) 2,2-Dichloropropane	3.79	77	114106	54.810	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	131297	49.346	ug/l	97
28) Bromochloromethane	3.92	49	91215	53.951	ug/l	95
29) Tetrahydrofuran	4.28	42	66619	207.107	ug/l	99
30) Chloroform	4.06	83	263110	52.242	ug/l	100
31) Cyclohexane	3.91	56	124493	41.839	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	228434	52.921	ug/l	99
36) 1,1-Dichloropropene	4.48	75	161393	49.803	ug/l	99
37) Ethyl Acetate	4.31	43	63786	50.611	ug/l #	100
38) Carbon Tetrachloride	4.20	117	254806	77.324	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	145627	44.807	ug/l	95
40) Benzene	4.83	78	342658	48.017	ug/l	95
41) Methacrylonitrile	4.94	41	33988	43.740	ug/l	93
42) 1,2-Dichloroethane	5.14	62	152668	51.152	ug/l	98
43) Isopropyl Acetate	7.12	43	70303	47.695	ug/l #	97
44) Trichloroethene	5.69	130	133897	51.078	ug/l	95
45) 1,2-Dichloropropane	6.42	63	82507	51.045	ug/l	94
46) Dibromomethane	6.27	93	70311	52.465	ug/l	96
47) Bromodichloromethane	6.57	83	173466	51.771	ug/l	99
48) Methyl methacrylate	6.88	41	50764	48.733	ug/l	98
49) 1,4-Dioxane	6.88	88	8921	830.483	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	290388	259.989	ug/l	99
52) Toluene	7.79	92	221902	50.405	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	130392	51.453	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	146029	49.513	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	75816	54.250	ug/l	92
56) Ethyl methacrylate	8.77	69	72765	49.324	ug/l	99
57) 1,3-Dichloropropane	9.00	76	108923	51.598	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	103924	234.316	ug/l	99
59) 2-Hexanone	9.62	43	189929	245.873	ug/l	96
60) Dibromochloromethane	8.86	129	126591	55.384	ug/l	98
61) 1,2-Dibromoethane	9.14	107	86733	52.804	ug/l	97
64) Tetrachloroethene	8.31	164	128134	46.888	ug/l	97
65) Chlorobenzene	9.94	112	278145	49.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	142657	50.774	ug/l	99
67) Ethyl Benzene	10.04	91	481304	49.350	ug/l	99
68) m/p-Xylenes	10.26	106	356293	99.014	ug/l	99
69) o-Xylene	10.83	106	201311	51.773	ug/l	96
70) Styrene	10.89	104	281464	48.299	ug/l	99
71) Bromoform	10.89	173	76422	49.647	ug/l #	100
73) Isopropylbenzene	11.22	105	605603	48.358	ug/l	99
74) N-amyl acetate	11.46	43	126430	47.025	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	95510	48.709	ug/l	96
76) 1,2,3-Trichloropropane	11.87	75	73441	49.092	ug/l #	100
77) Bromobenzene	11.58	156	163216	49.660	ug/l	98
78) n-propylbenzene	11.67	91	629056	47.181	ug/l	99
79) 2-Chlorotoluene	11.80	91	403514	48.671	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	526043	47.924	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	34736	61.772	ug/l #	71
82) 4-Chlorotoluene	11.98	91	396010	48.362	ug/l	100
83) tert-Butylbenzene	12.20	119	549753	47.657	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	517555	48.182	ug/l	97
85) sec-Butylbenzene	12.37	105	686917	48.922	ug/l	98
86) p-Isopropyltoluene	12.52	119	621998	47.679	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	294786	49.110	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	277754	47.942	ug/l	98
89) n-Butylbenzene	12.90	91	563107	48.517	ug/l	99
90) Hexachloroethane	12.97	117	154621	47.469	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	282887	48.690	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21646	49.275	ug/l	94

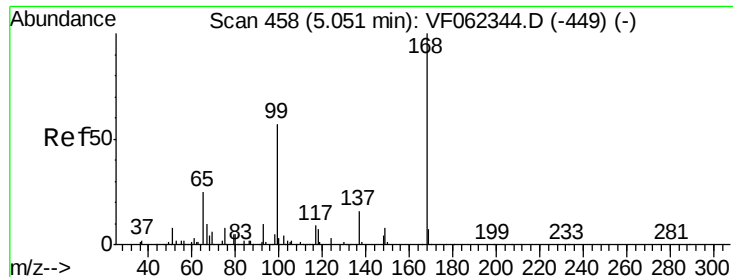
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051119\
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QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	255233	48.977	ug/l	100
94) Hexachlorobutadiene	14.23	225	191990	49.429	ug/l	99
95) Naphthalene	14.49	128	390508	49.843	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	251936	49.901	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

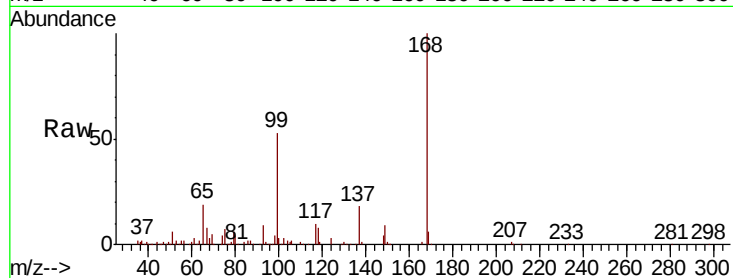
VSTDCCC050

Tot Ion:168 Resp: 291402

Ion Ratio Lower Upper

168 100

99 53.0 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.07

100000

80000

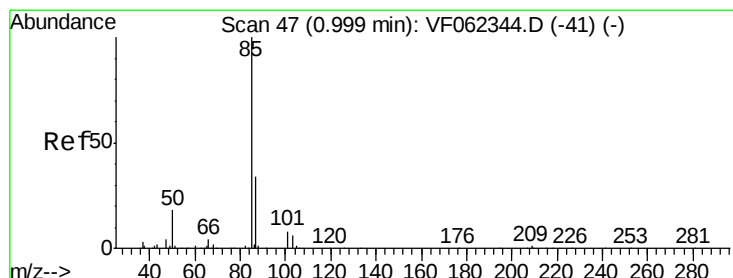
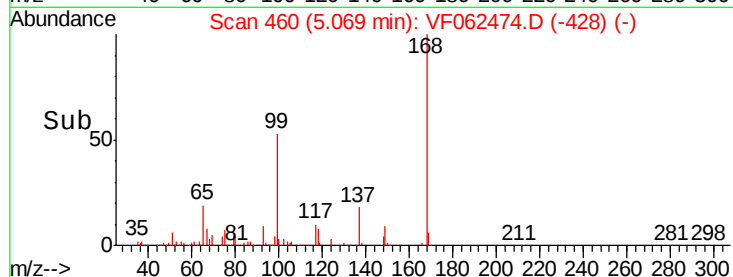
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 41.197 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062474.D

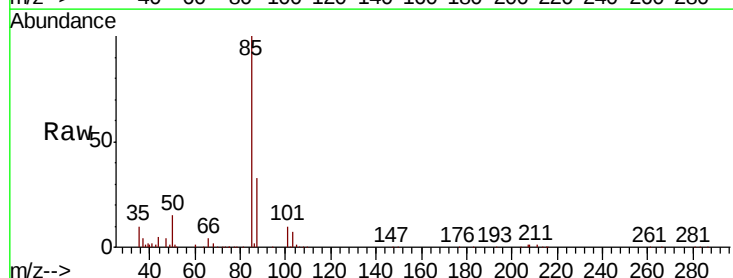
Acq: 11 May 2019 22:43

Tgt Ion: 85 Resp: 138938

Ion Ratio Lower Upper

85 100

87 33.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

50000

40000

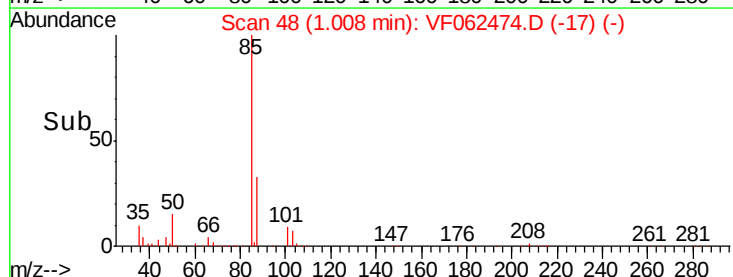
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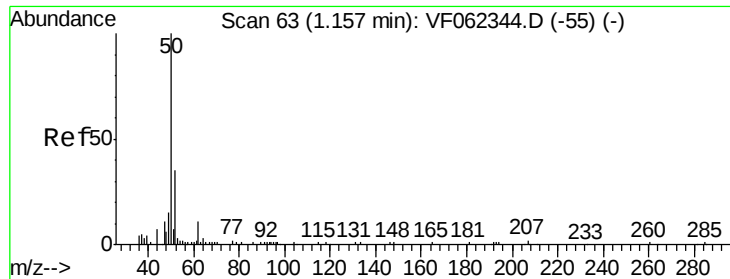
20000

10000

0

Time--> 0.80 1.00 1.20





#3

Chloromethane

Concen: 39.052 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

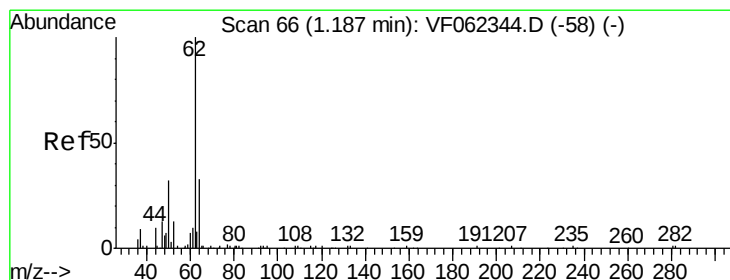
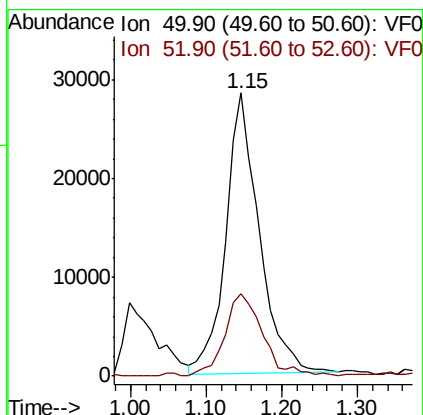
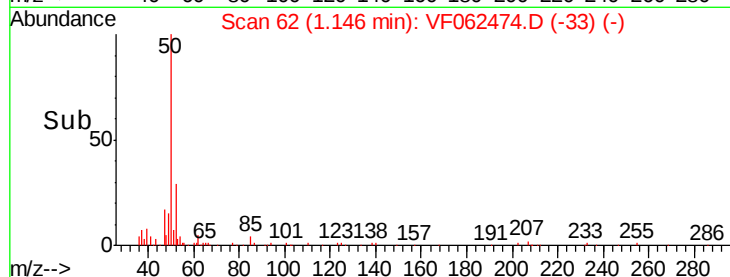
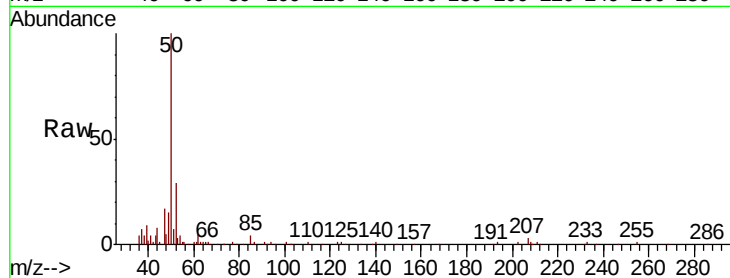
VSTDCCC050

Tot Ion: 50 Resp: 86861

Ion Ratio Lower Upper

50 100

52 29.4 26.1 39.1



#4

Vinyl Chloride

Concen: 41.640 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062474.D

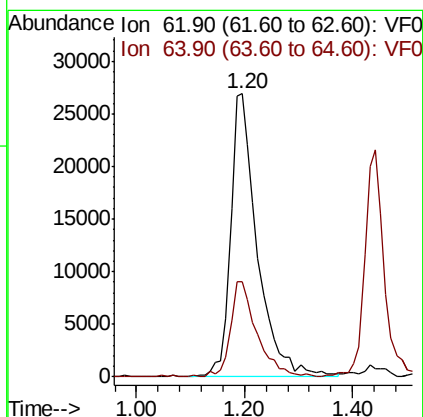
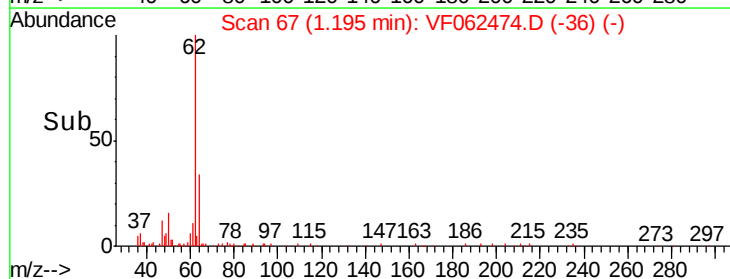
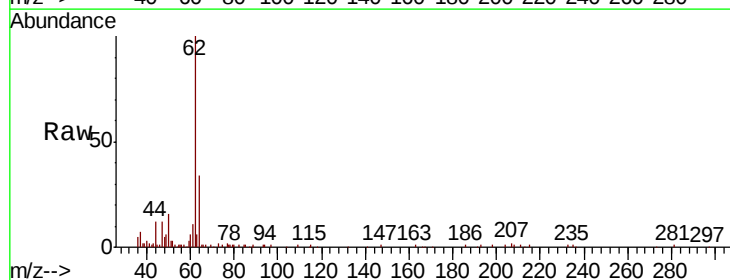
Acq: 11 May 2019 22:43

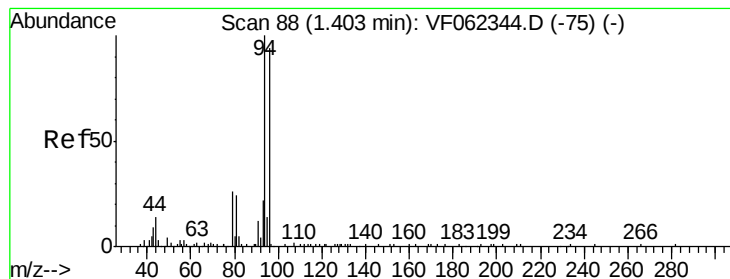
Tgt Ion: 62 Resp: 92381

Ion Ratio Lower Upper

62 100

64 33.7 26.1 39.1





#5

Bromomethane

Concen: 50.102 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

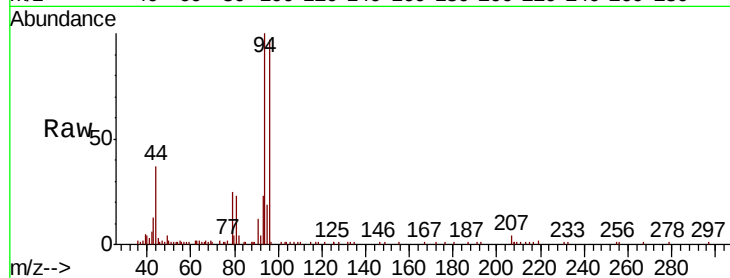
VSTDCCC050

Tot Ion: 94 Resp: 83864

Ion Ratio Lower Upper

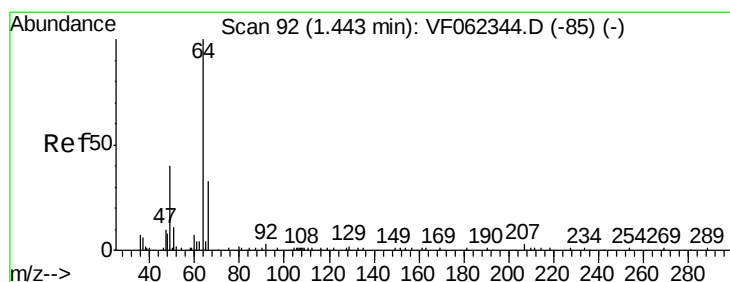
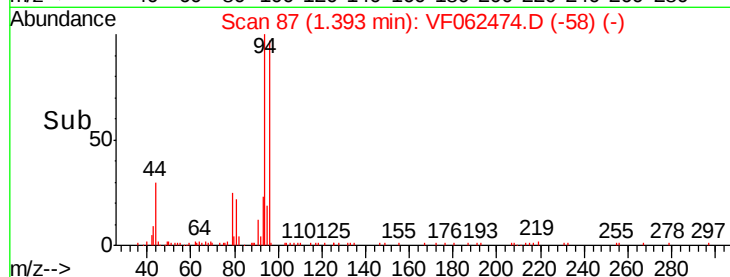
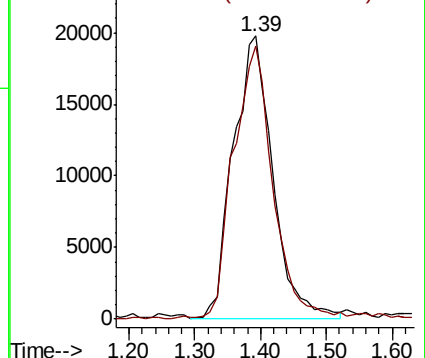
94 100

96 95.7 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 48.785 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062474.D

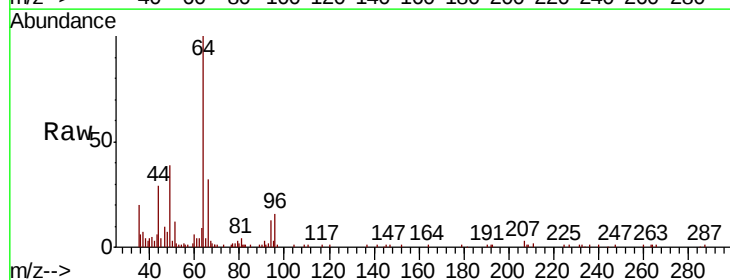
Acq: 11 May 2019 22:43

Tgt Ion: 64 Resp: 54415

Ion Ratio Lower Upper

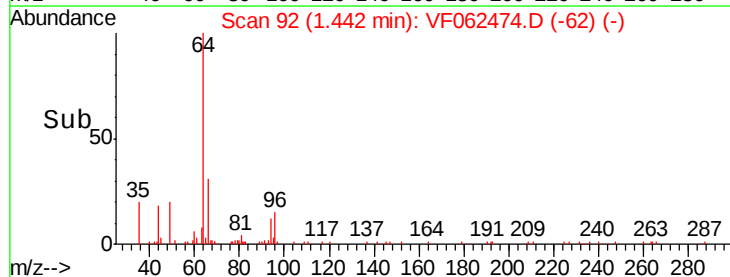
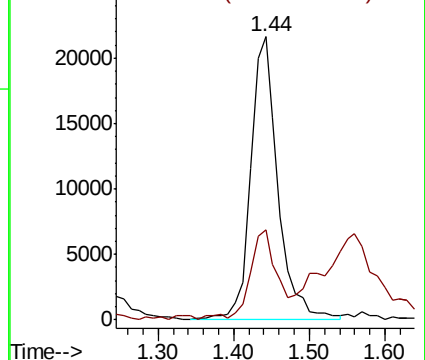
64 100

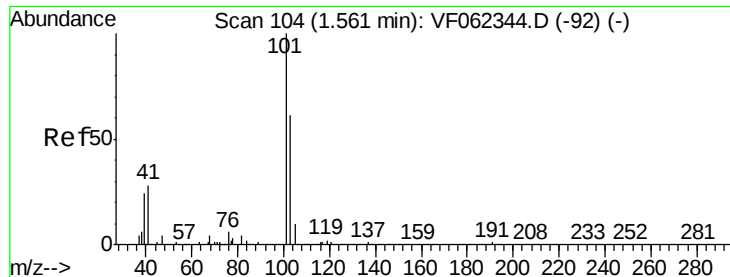
66 30.2 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0



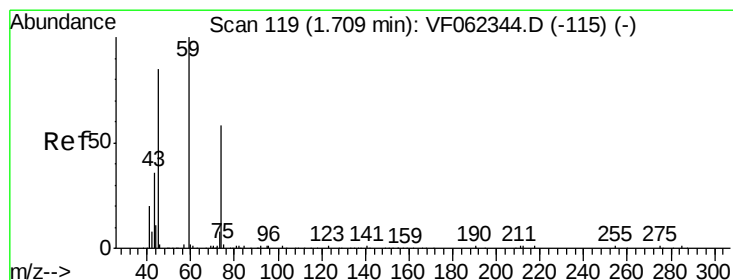
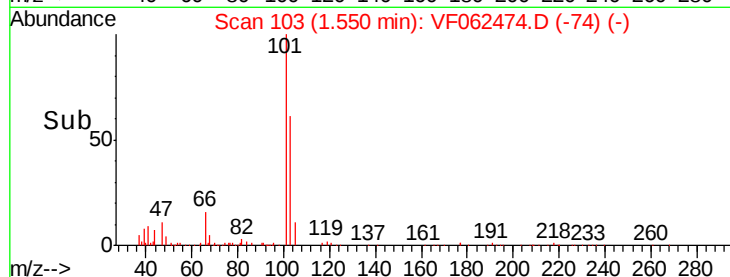
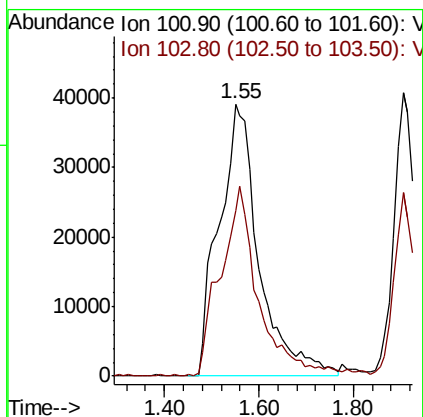
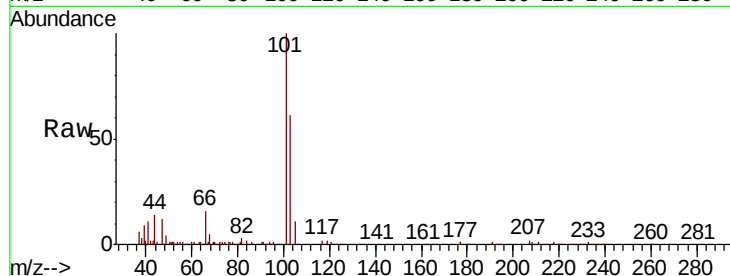


#7

Trichlorofluoromethane
Concen: 49.895 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

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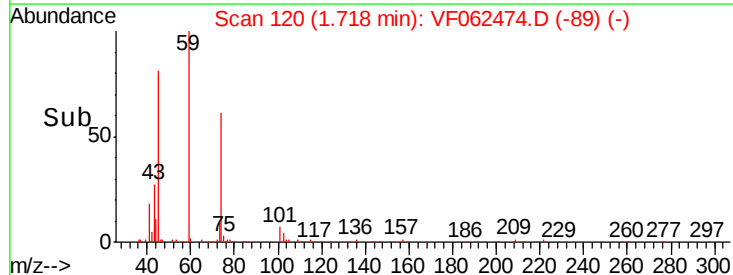
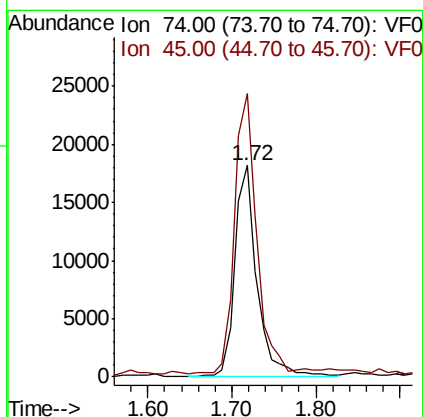
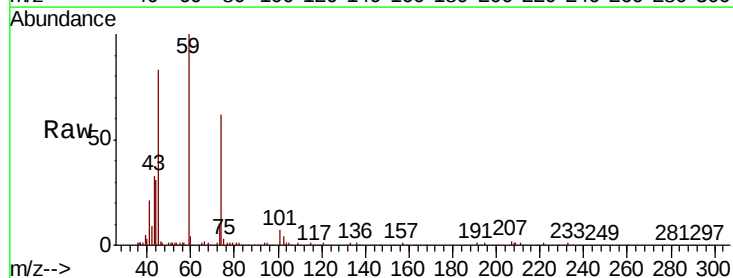
Tot Ion:101 Resp: 229674
Ion Ratio Lower Upper
101 100
103 60.5 48.5 72.7

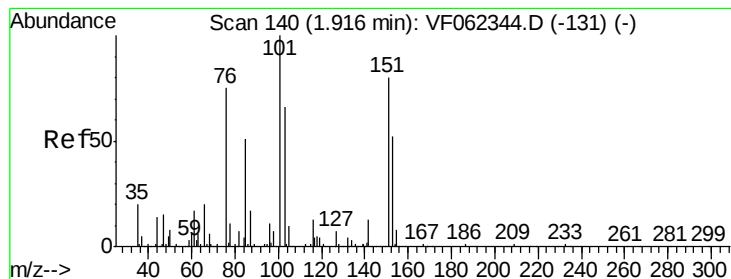


#8

Diethyl Ether
Concen: 48.053 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 74 Resp: 33469
Ion Ratio Lower Upper
74 100
45 133.0 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.496 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

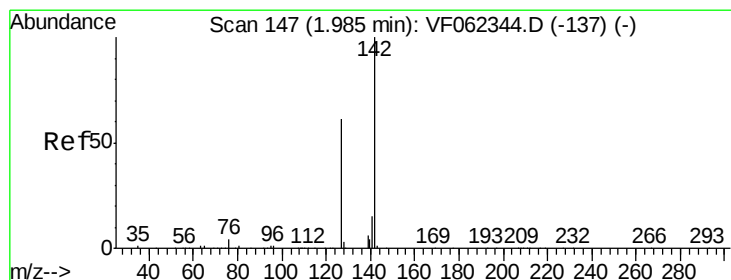
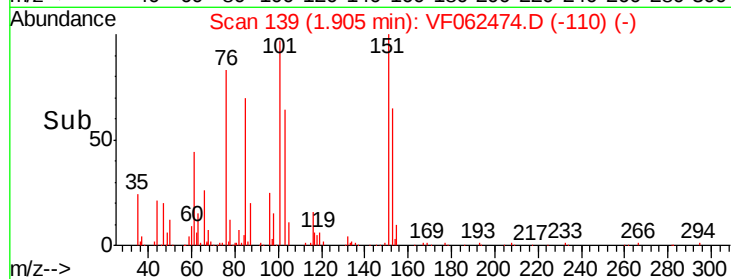
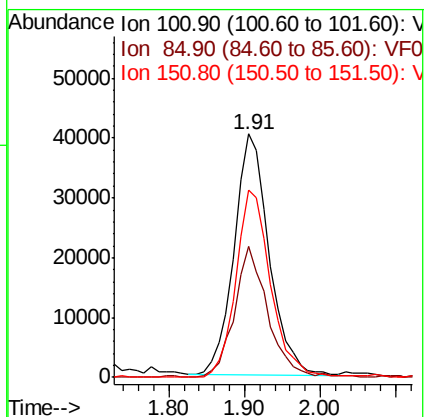
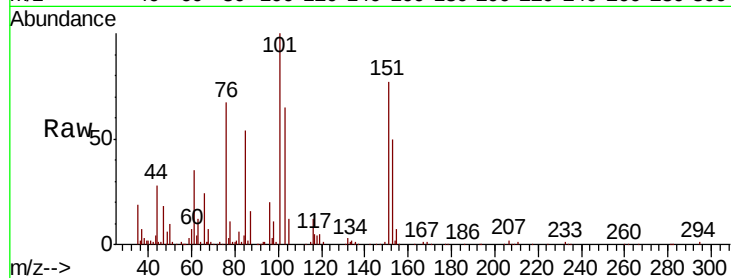
Tot Ion:101 Resp: 130077

Ion Ratio Lower Upper

101 100

85 51.9 39.5 59.3

151 76.6 59.9 89.9



#10

Methyl Iodide

Concen: 50.062 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

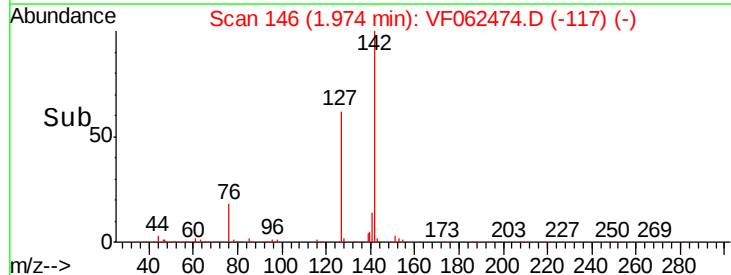
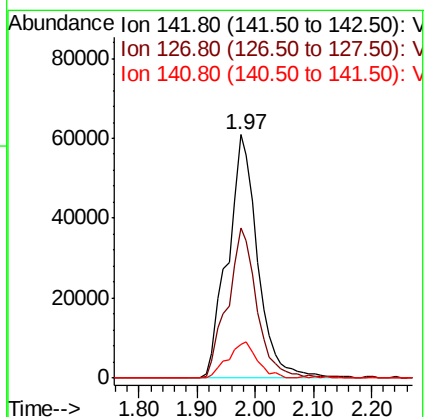
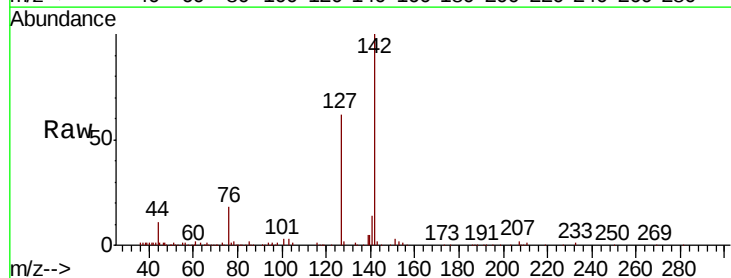
Tgt Ion:142 Resp: 216808

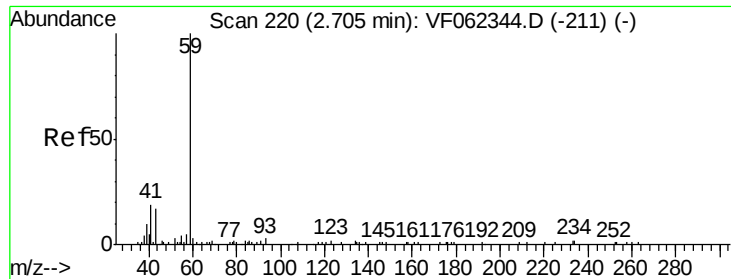
Ion Ratio Lower Upper

142 100

127 60.3 48.4 72.6

141 14.7 12.2 18.4

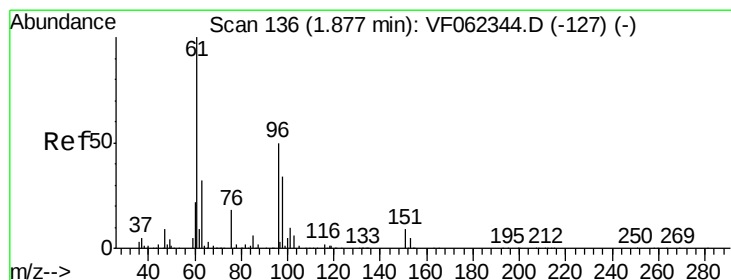
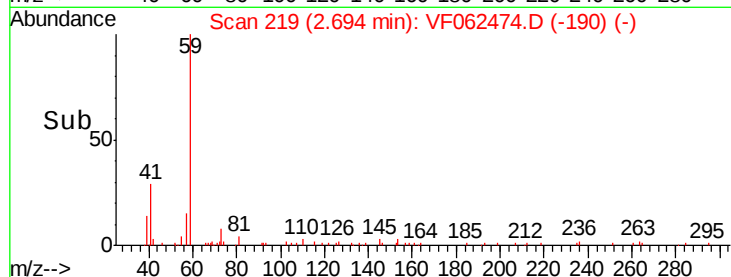
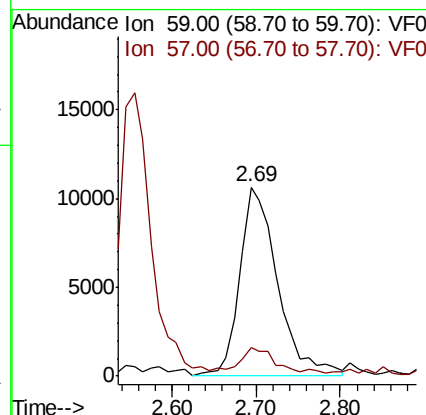
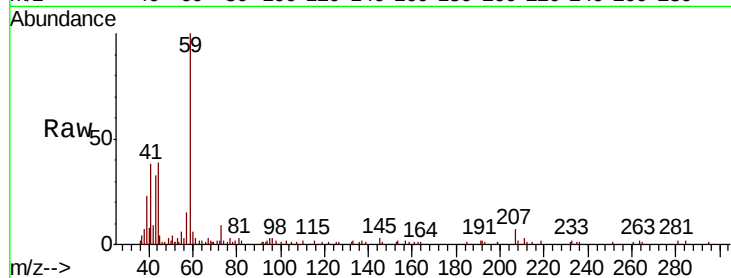




#11
Tert butyl alcohol
Concen: 215.862 ug/l
RT: 2.69 min Scan# 219
Delta R.T. -0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

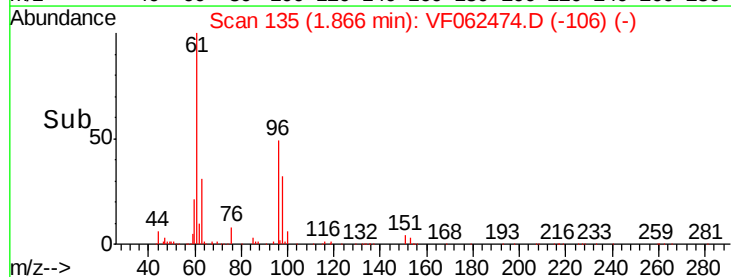
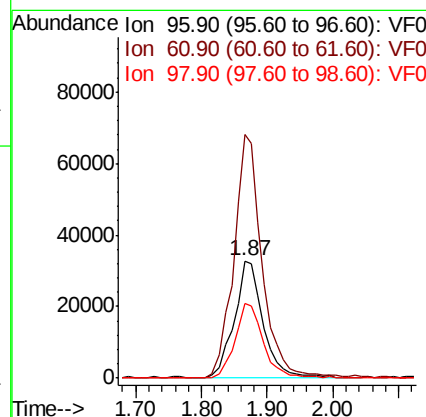
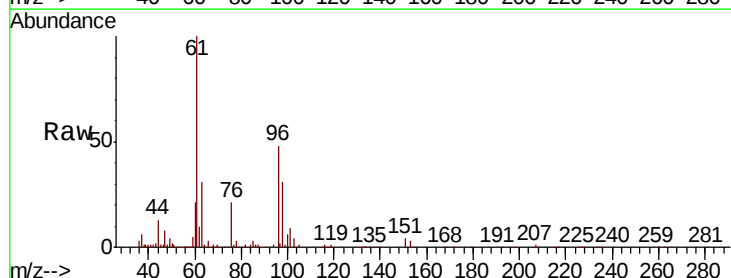
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

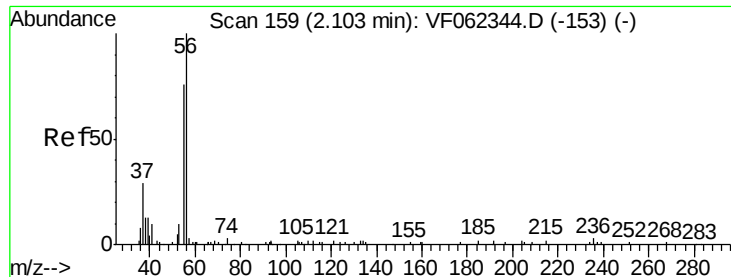
Tot Ion: 59 Resp: 33597
Ion Ratio Lower Upper
59 100
57 9.9 9.3 13.9



#12
1,1-Dichloroethene
Concen: 45.171 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 96 Resp: 100919
Ion Ratio Lower Upper
96 100
61 206.8 163.2 244.8
98 63.7 55.2 82.8





#13

Acrolein

Concen: 299.202 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

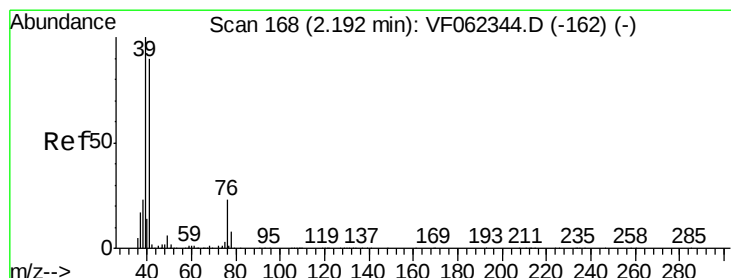
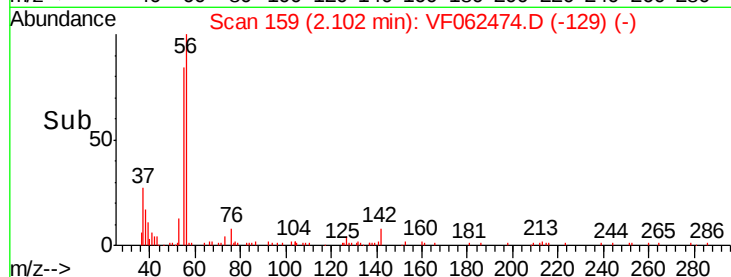
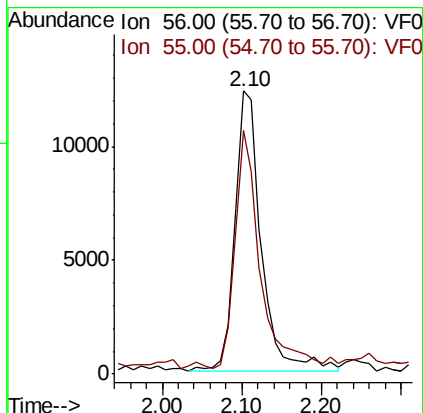
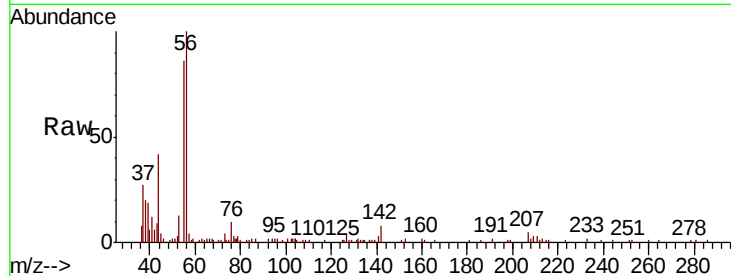
VSTDCCC050

Tot Ion: 56 Resp: 28385

Ion Ratio Lower Upper

56 100

55 81.4 58.4 87.6



#14

Allyl chloride

Concen: 73.066 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

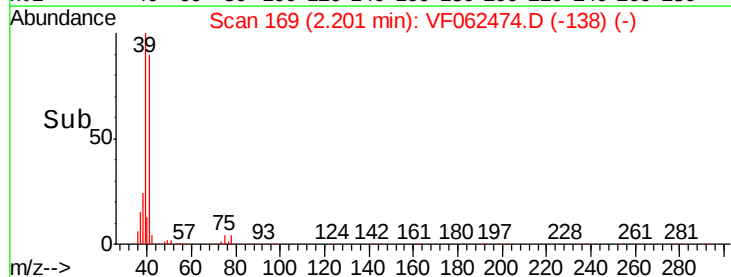
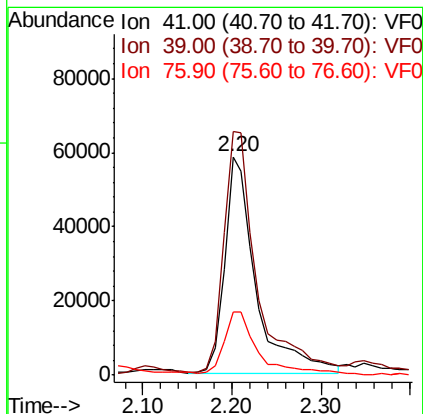
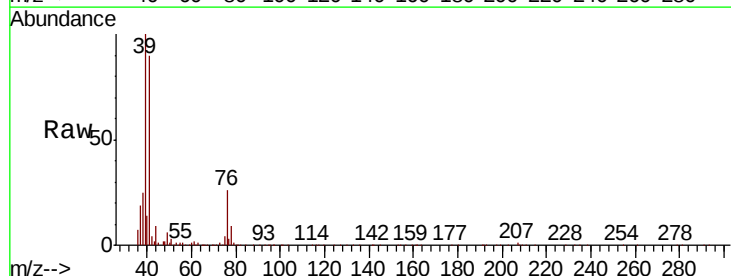
Tgt Ion: 41 Resp: 144199

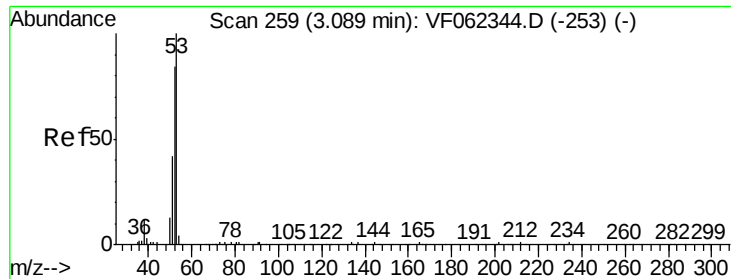
Ion Ratio Lower Upper

41 100

39 118.6 90.8 136.2

76 30.7 22.2 33.4





#15

Acrylonitrile

Concen: 231.032 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

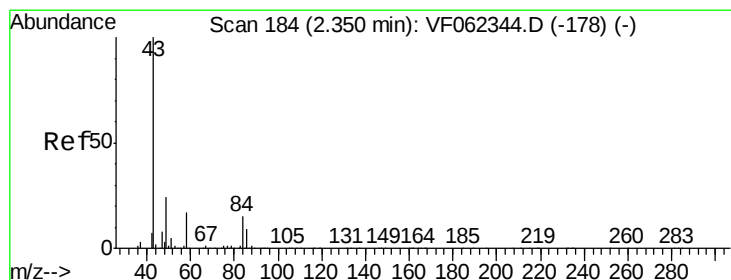
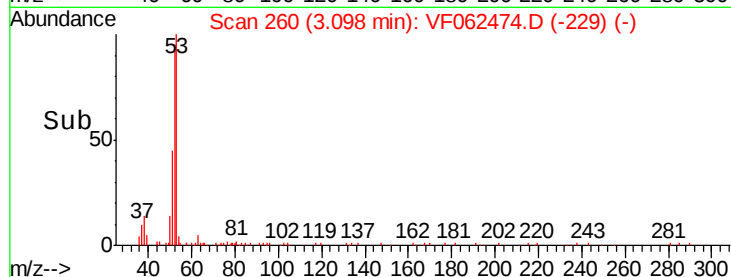
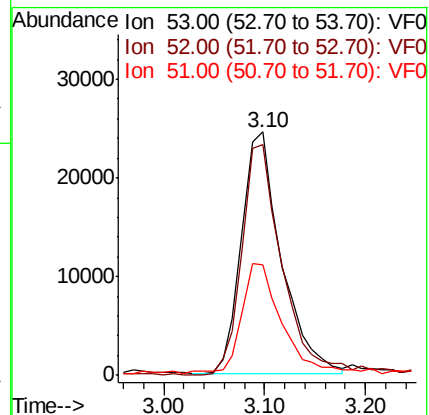
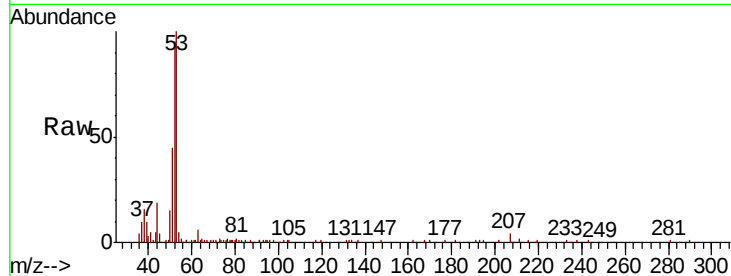
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 68114

Ion	Ratio	Lower	Upper
53	100		
52	98.1	77.2	115.8
51	46.0	40.6	61.0



#16

Acetone

Concen: 217.506 ug/l

RT: 2.36 min Scan# 185

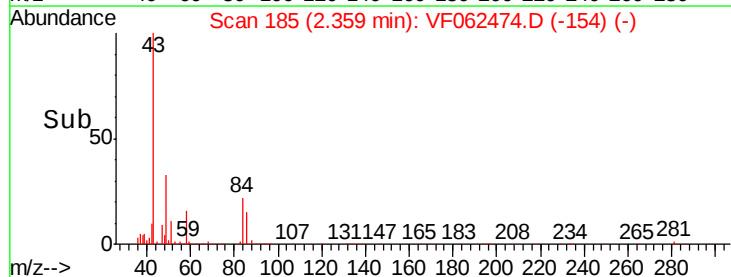
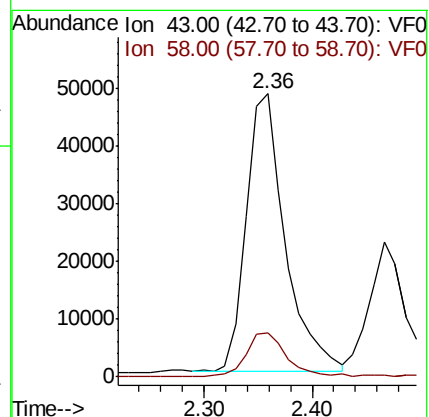
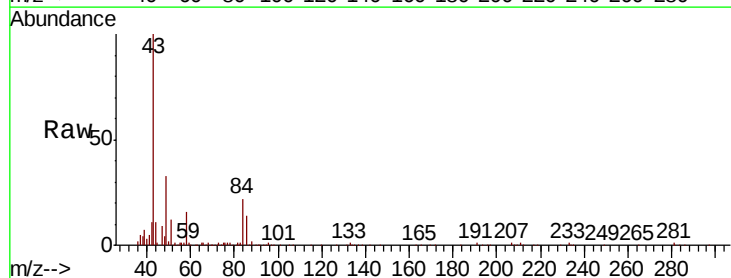
Delta R.T. 0.01 min

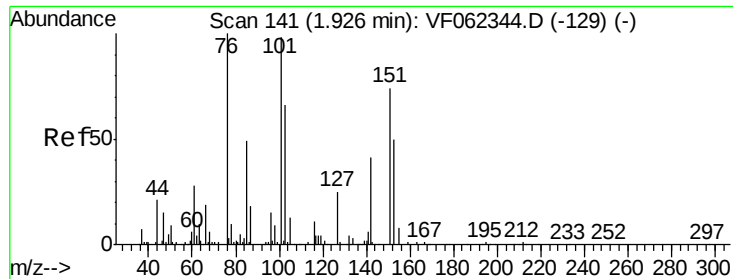
Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion: 43 Resp: 121170

Ion	Ratio	Lower	Upper
43	100		
58	15.9	13.1	19.7

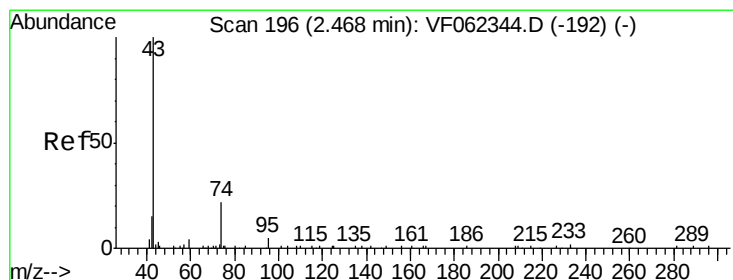
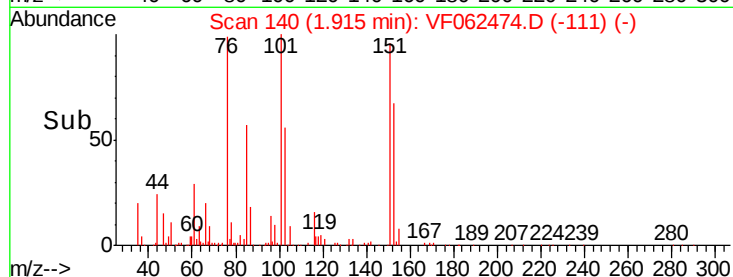
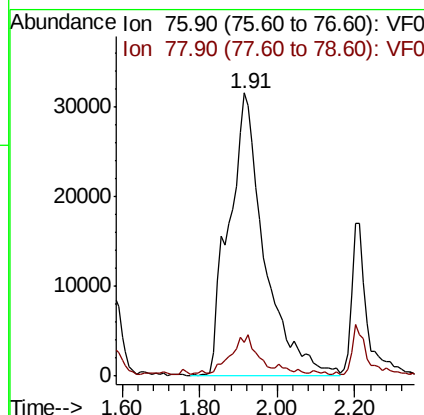
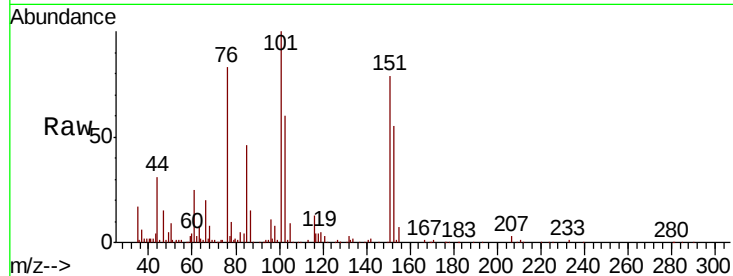




#17
Carbon Disulfide
Concen: 41.177 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

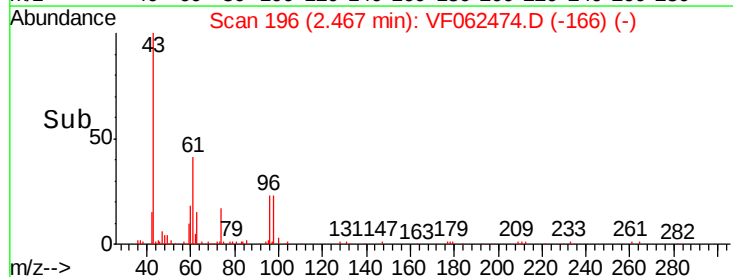
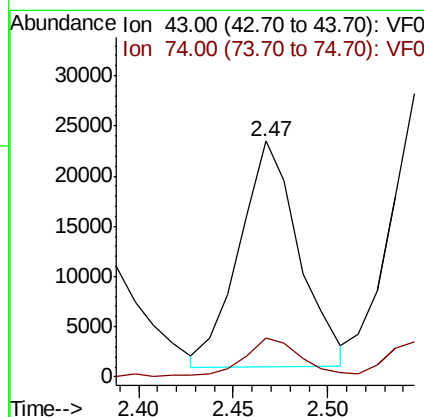
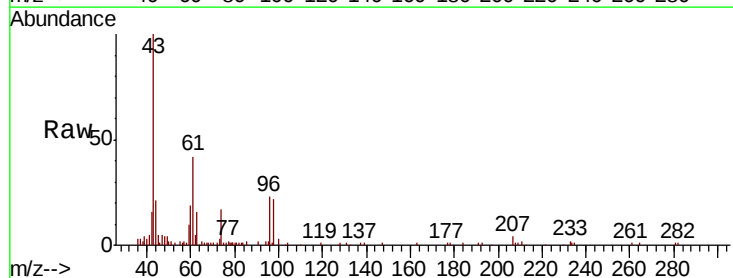
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

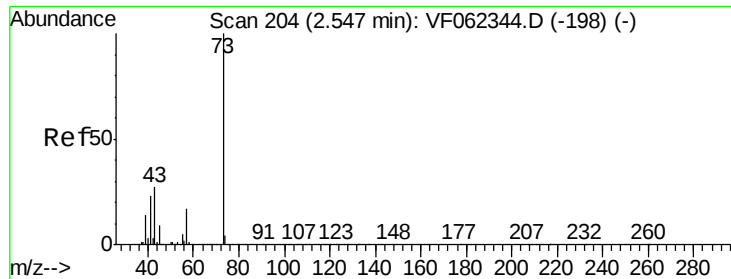
Tot Ion: 76 Resp: 200590
Ion Ratio Lower Upper
76 100
78 11.5 9.0 13.4



#18
Methyl Acetate
Concen: 48.285 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 43 Resp: 49164
Ion Ratio Lower Upper
43 100
74 15.9 15.0 22.4

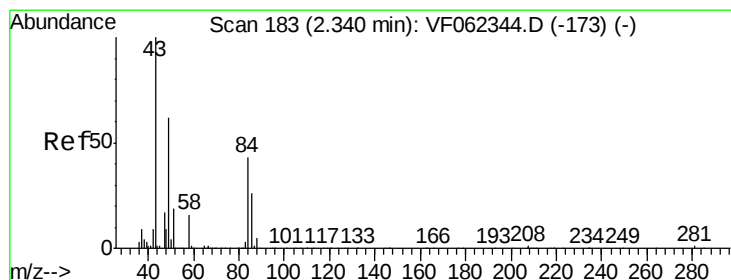
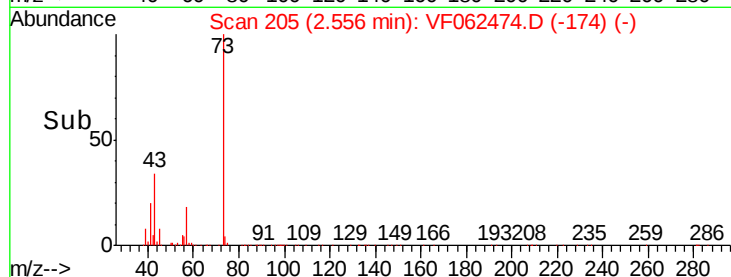
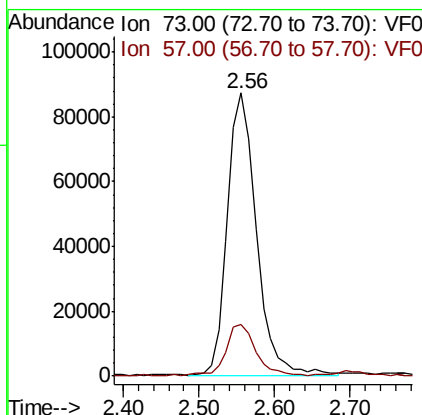
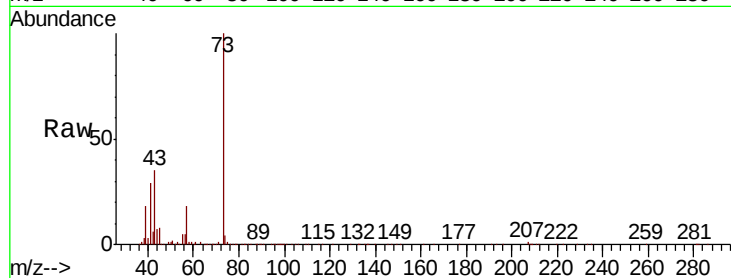




#19
Methyl tert-butyl Ether
Concen: 50.051 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

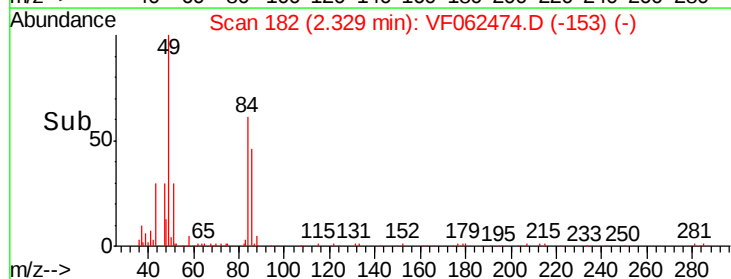
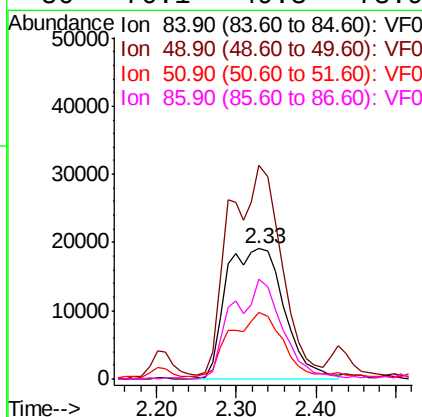
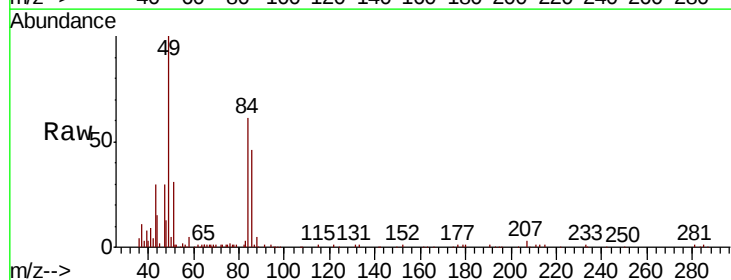
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

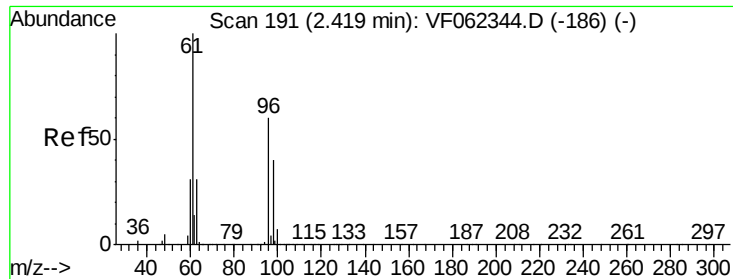
Tot Ion: 73 Resp: 230826
Ion Ratio Lower Upper
73 100
57 17.8 13.7 20.5



#20
Methylene Chloride
Concen: 48.216 ug/l
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 84 Resp: 97181
Ion Ratio Lower Upper
84 100
49 160.1 117.5 176.3
51 48.7 37.0 55.4
86 76.1 49.3 73.9#





#21

trans-1,2-Dichloroethene

Concen: 43.261 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

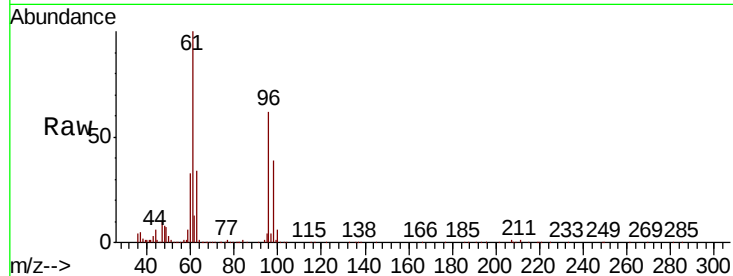
Tot Ion: 96 Resp: 92086

Ion Ratio Lower Upper

96 100

61 161.7 133.2 199.8

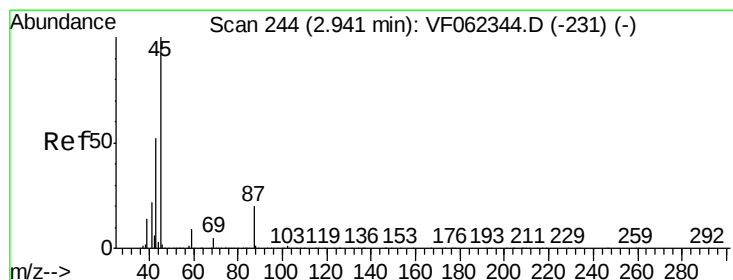
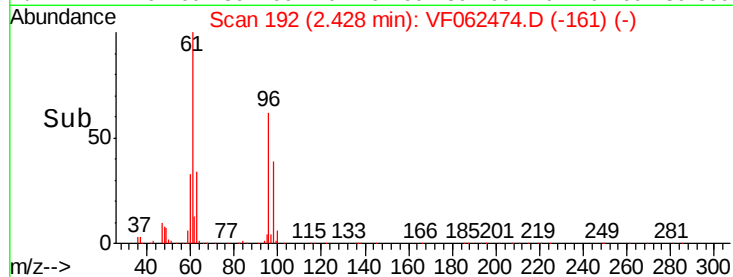
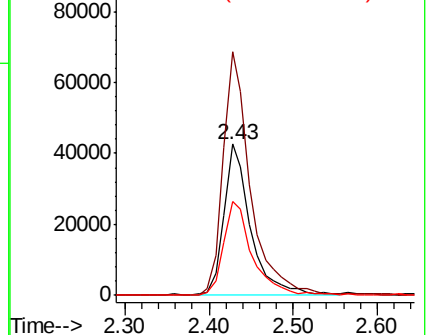
98 62.2 53.1 79.7



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: 47.837 ug/l

RT: 2.95 min Scan# 245

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion: 45 Resp: 295069

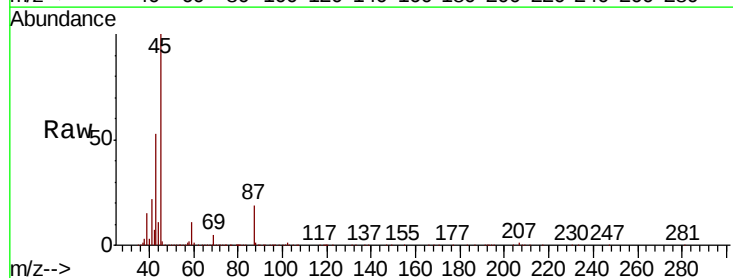
Ion Ratio Lower Upper

45 100

43 52.6 41.4 62.0

87 19.4 15.8 23.6

59 10.2 7.2 10.8

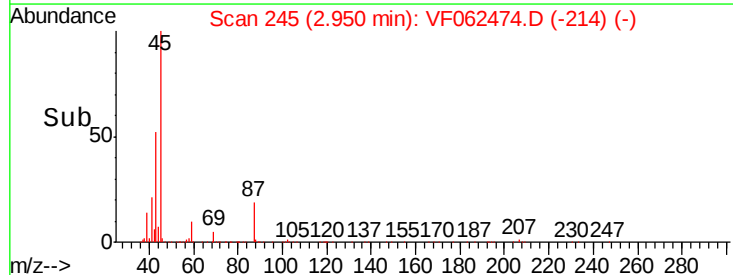
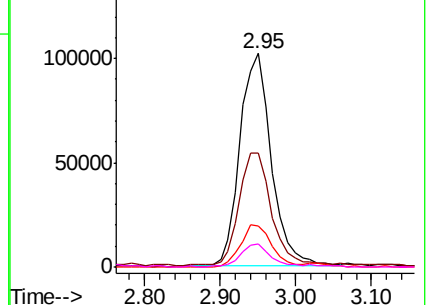


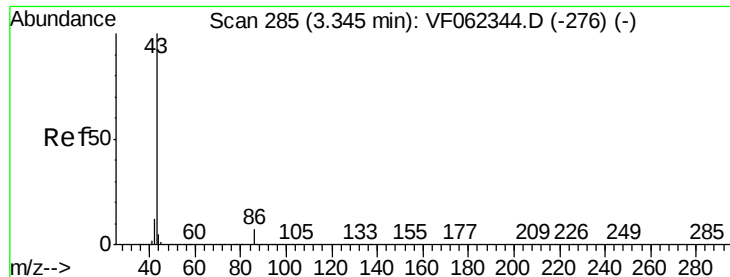
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 240.922 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

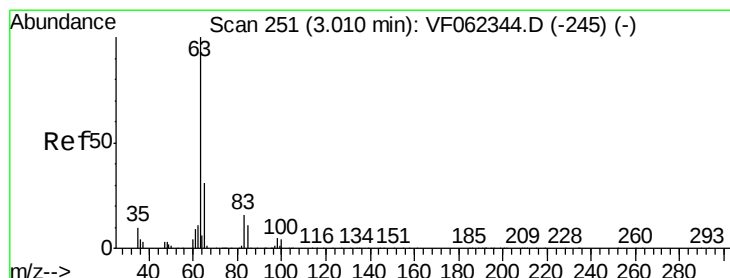
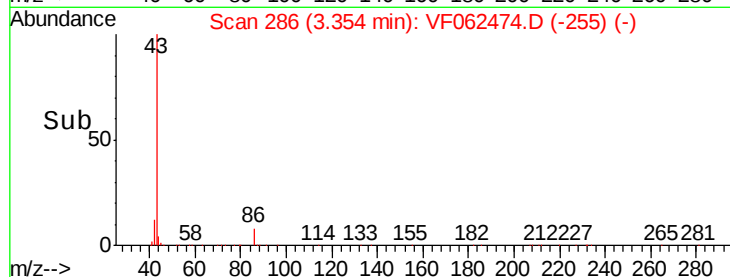
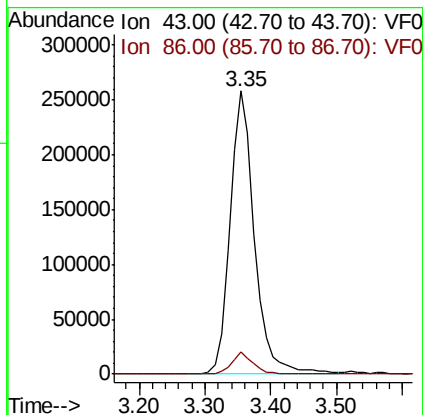
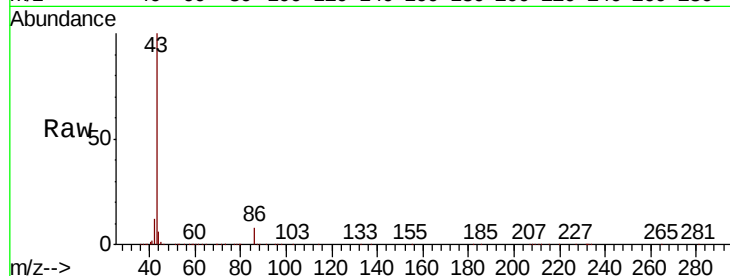
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 662317

Ion Ratio Lower Upper

43 100

86 7.7 5.7 8.5



#24

1,1-Dichloroethane

Concen: 52.290 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

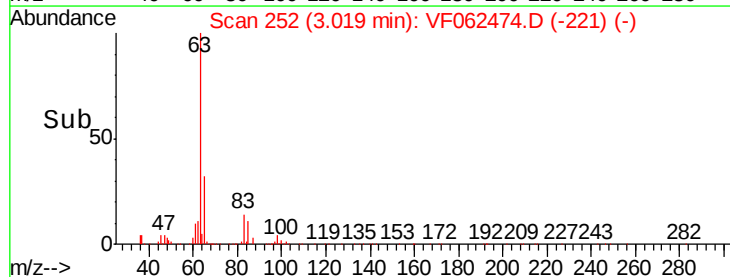
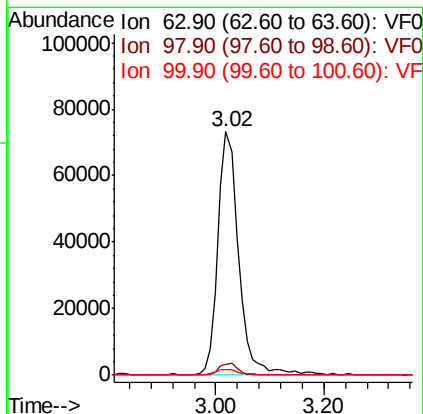
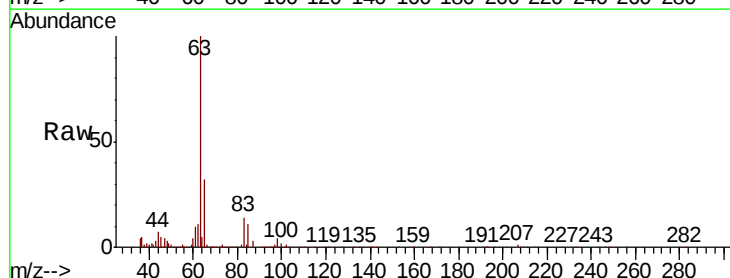
Tgt Ion: 63 Resp: 194931

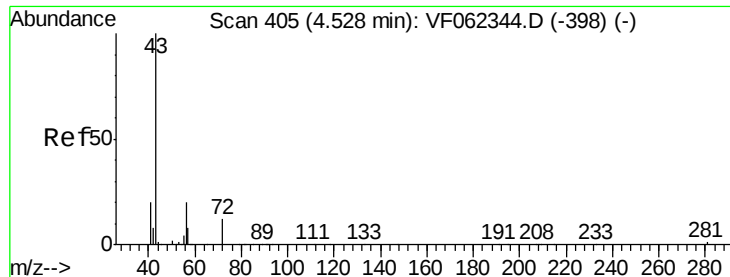
Ion Ratio Lower Upper

63 100

98 4.4 2.6 8.0

100 2.1 1.8 5.4

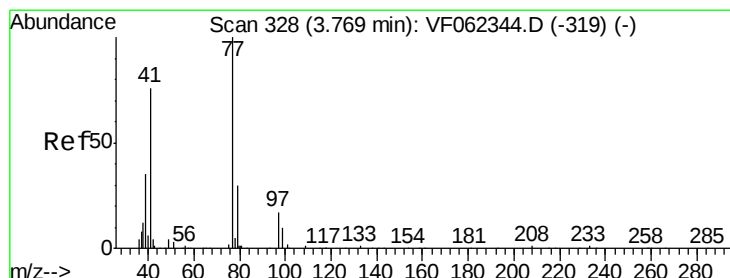
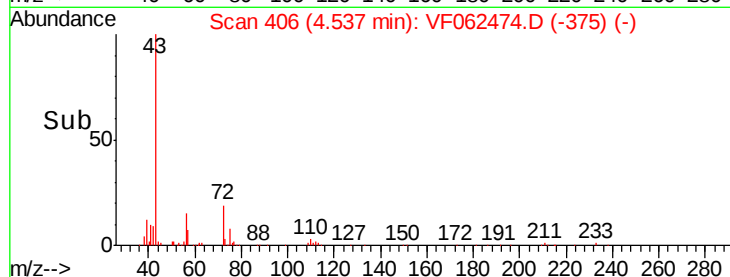
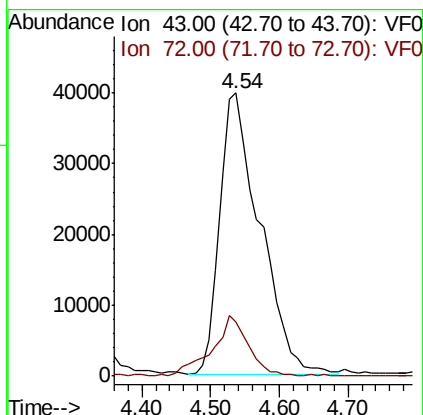
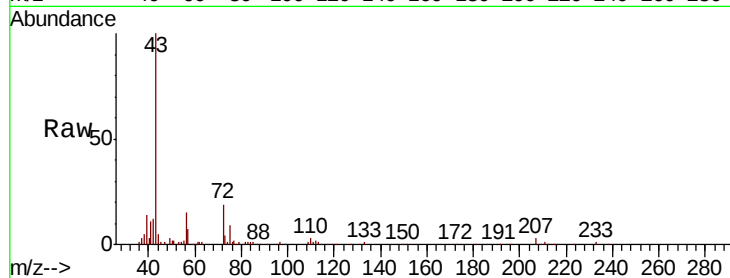




#25
2-Butanone
Concen: 228.225 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

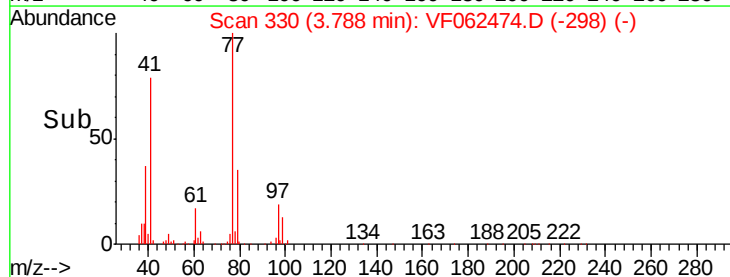
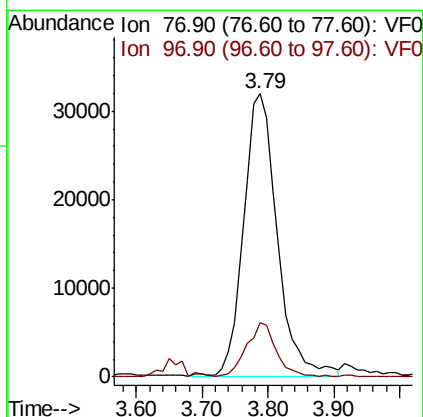
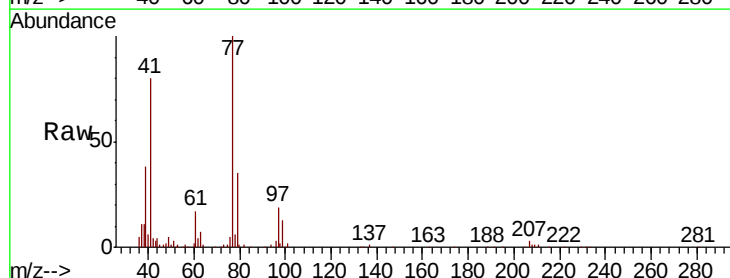
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

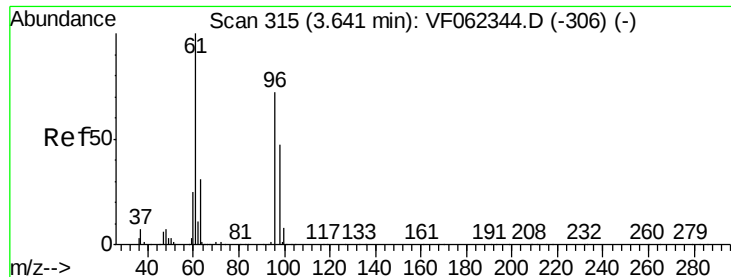
Tot Ion: 43 Resp: 159731
Ion Ratio Lower Upper
43 100
72 19.1 14.2 21.4



#26
2,2-Dichloropropane
Concen: 54.810 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 77 Resp: 114106
Ion Ratio Lower Upper
77 100
97 17.2 9.5 28.5



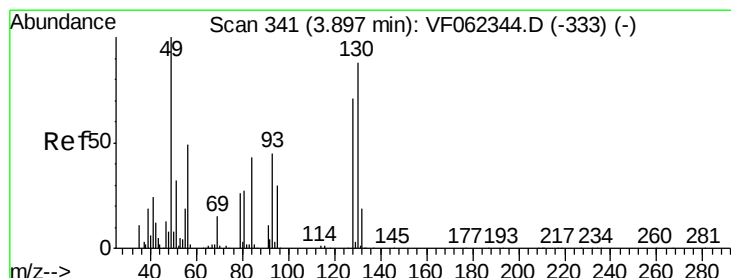
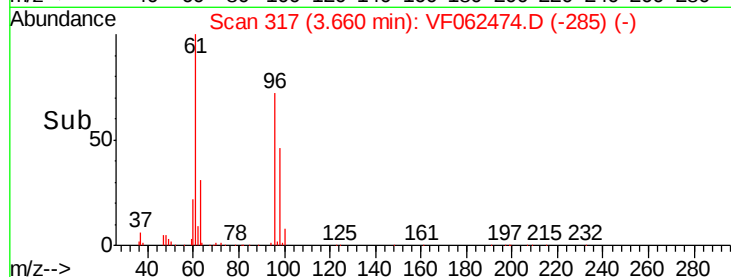
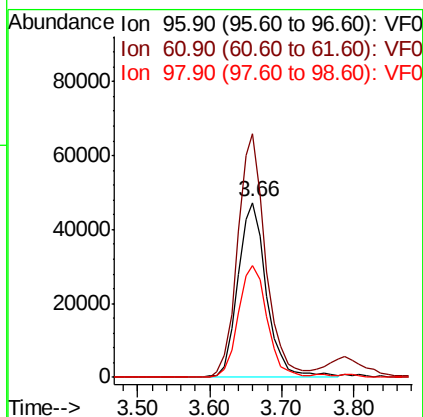
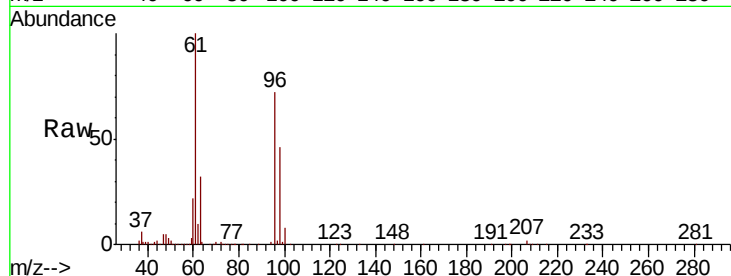


#27

cis-1,2-Dichloroethene
Concen: 49.346 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

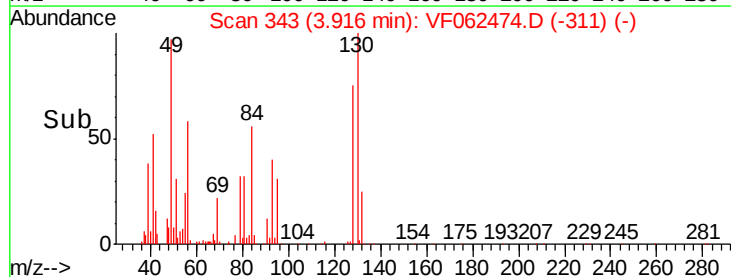
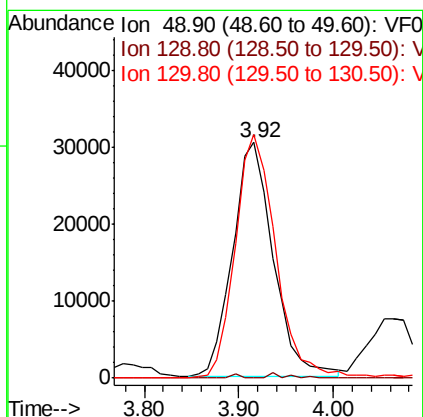
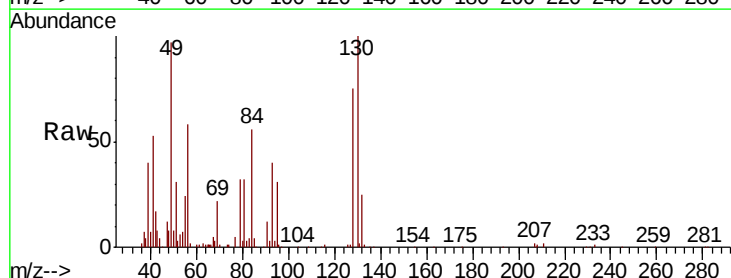
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	263.0
98	64.4	0.0	130.8

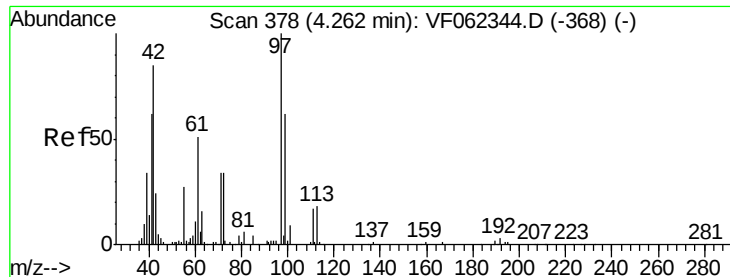


#28

Bromochloromethane
Concen: 53.951 ug/l
RT: 3.92 min Scan# 343
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.2
130	103.8	79.4	119.0





#29

Tetrahydrofuran

Concen: 207.107 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

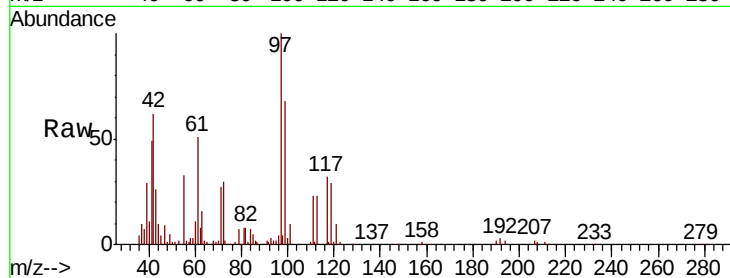
Tot Ion: 42 Resp: 66619

Ion Ratio Lower Upper

42 100

72 38.6 31.4 47.0

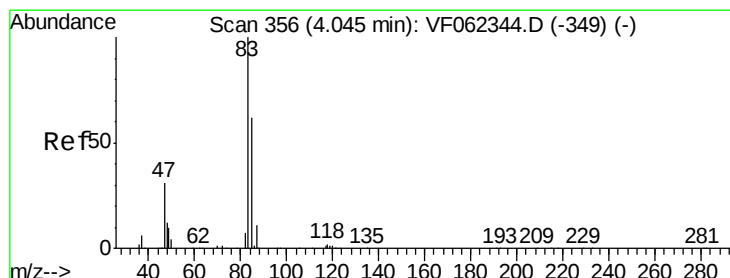
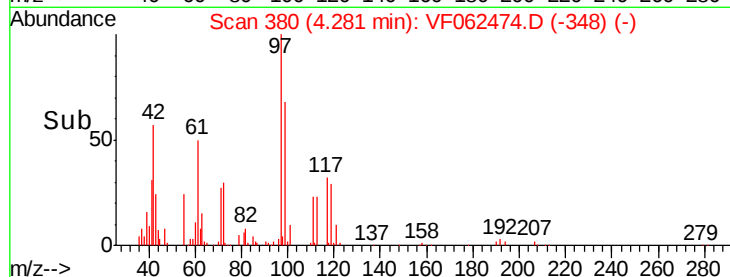
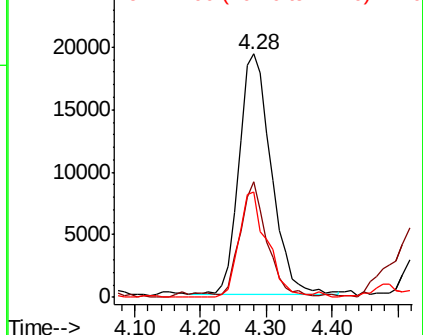
71 38.5 31.7 47.5



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: 52.242 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.02 min

Lab File: VF062474.D

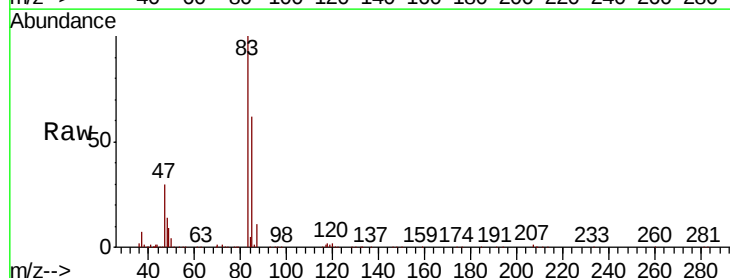
Acq: 11 May 2019 22:43

Tgt Ion: 83 Resp: 263110

Ion Ratio Lower Upper

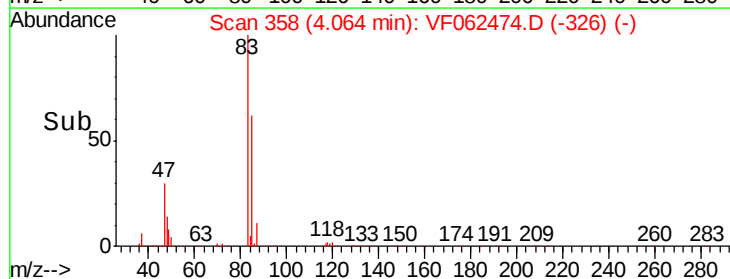
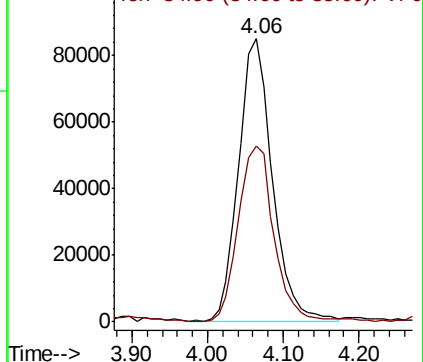
83 100

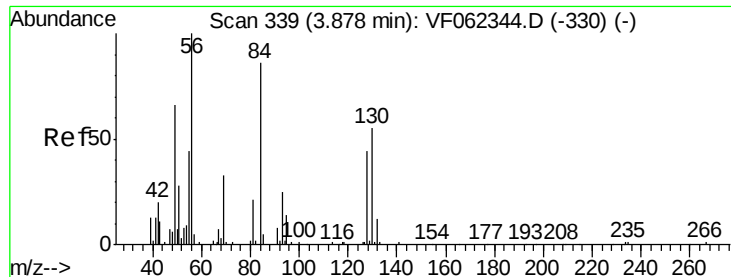
85 62.1 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

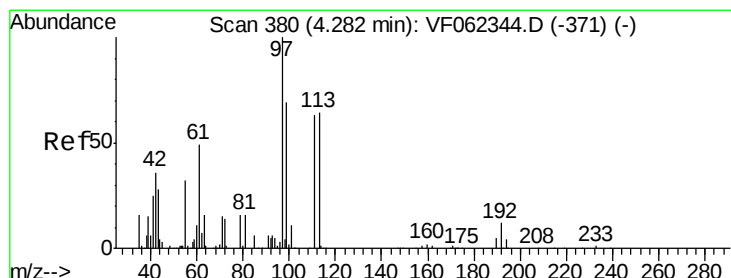
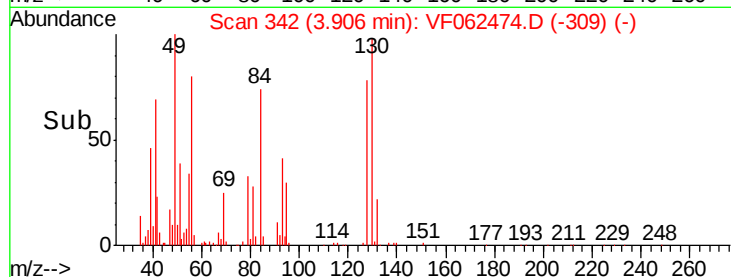
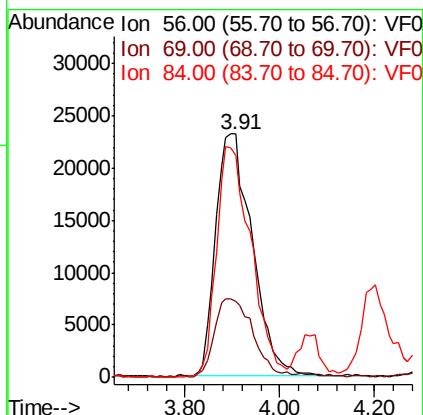
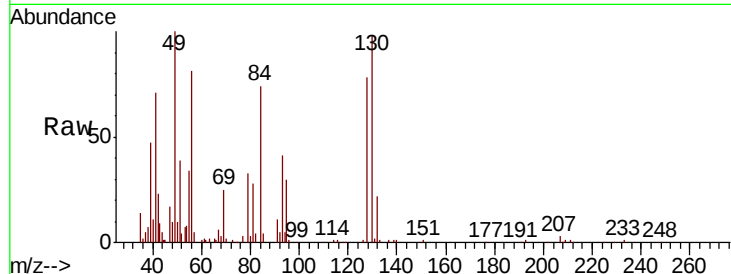




#31
Cyclohexane
Concen: 41.839 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

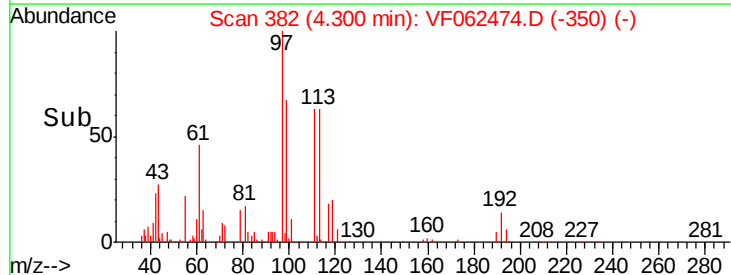
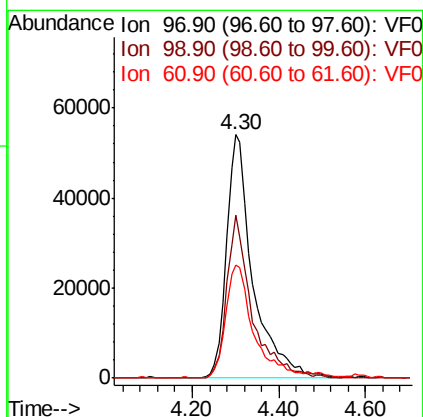
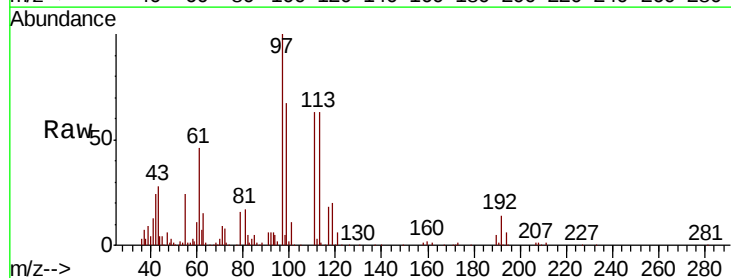
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

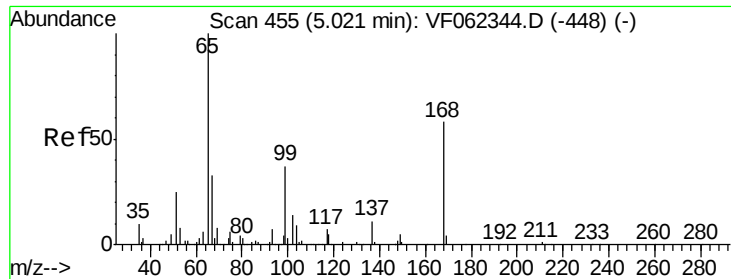
Tot Ion: 56 Resp: 124493
Ion Ratio Lower Upper
56 100
69 31.5 26.4 39.6
84 91.2 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 52.921 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 97 Resp: 228434
Ion Ratio Lower Upper
97 100
99 64.3 52.6 78.8
61 49.0 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 52.185 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

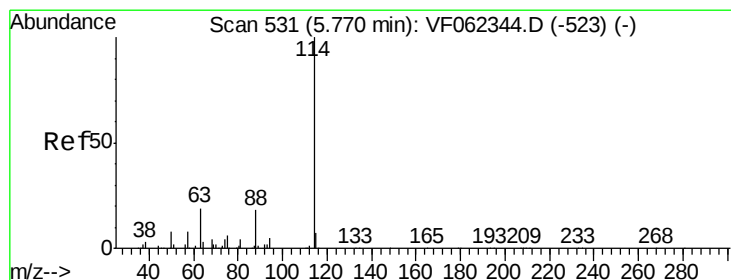
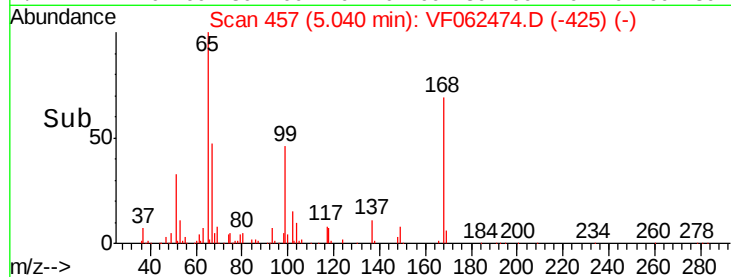
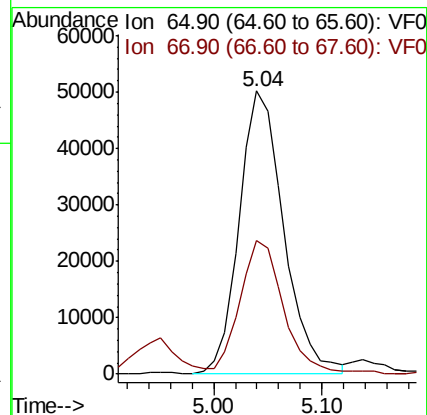
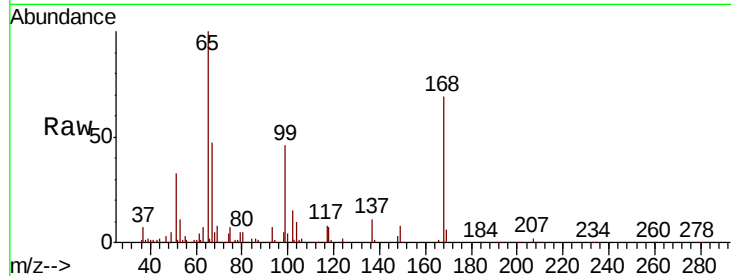
VSTDCCC050

Tot Ion: 65 Resp: 143711

Ion Ratio Lower Upper

65 100

67 46.0 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

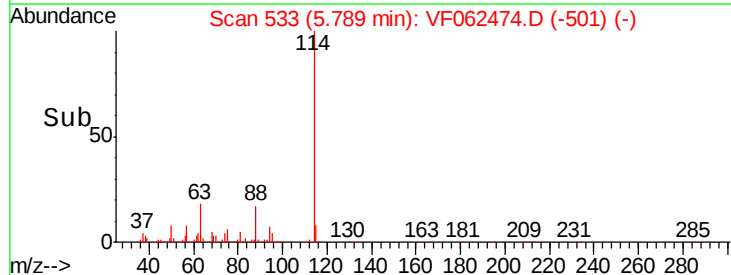
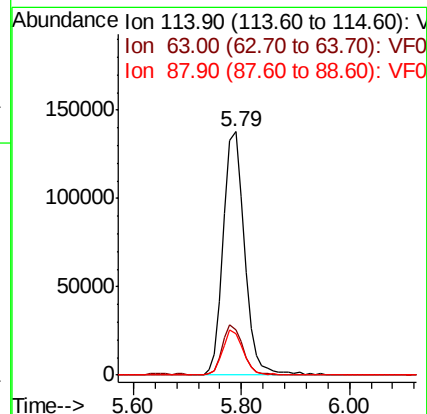
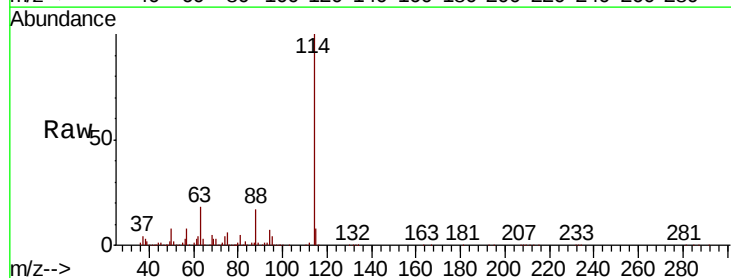
Tgt Ion: 114 Resp: 377244

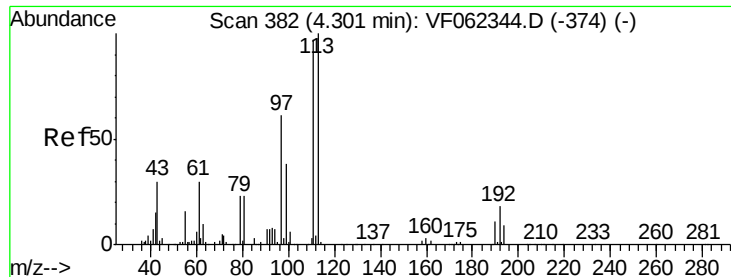
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.4

88 17.2 0.0 36.4

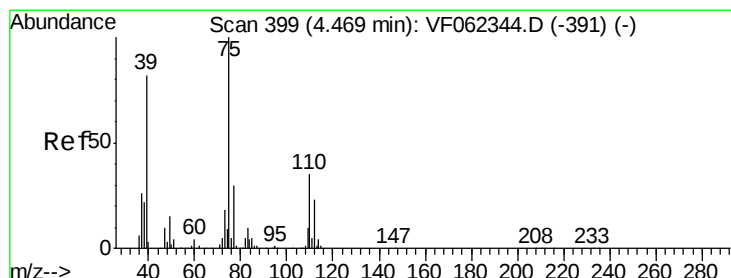
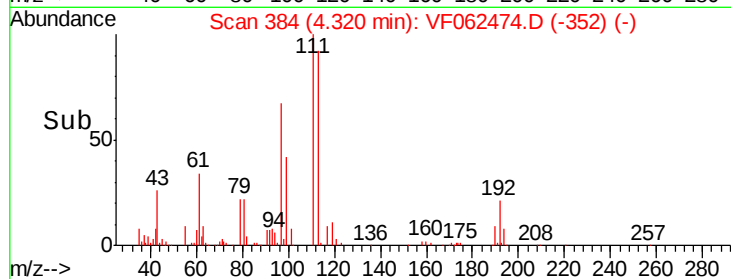
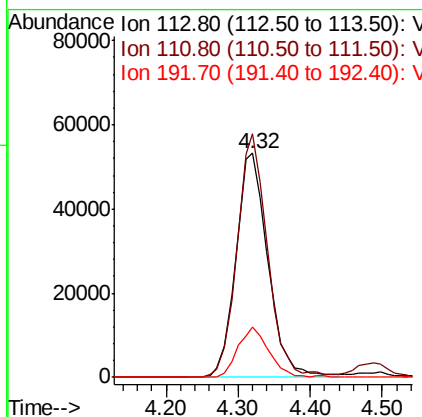
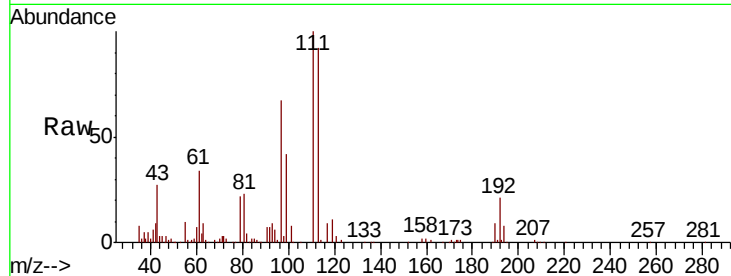




#35
 Dibromofluoromethane
 Concen: 55.096 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.02 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

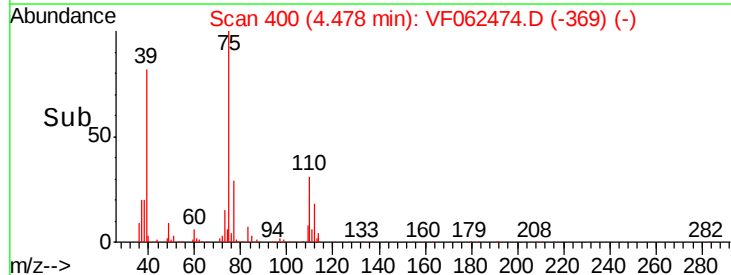
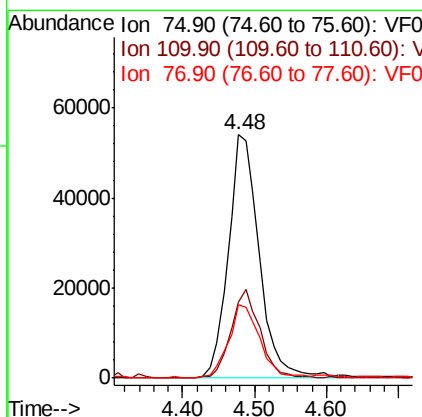
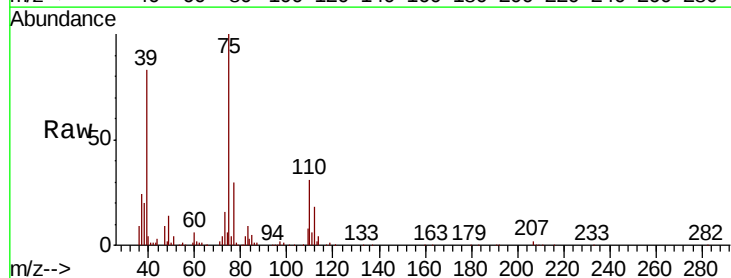
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

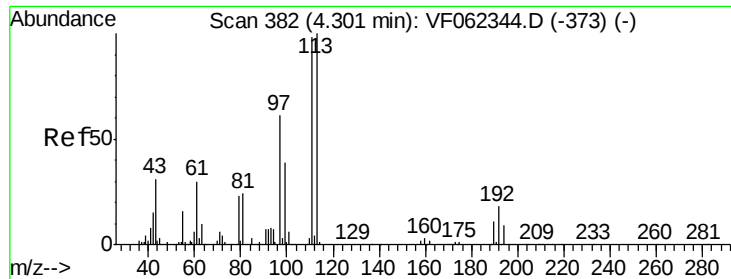
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.4	119.0
192	21.9	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 49.803 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.5
77	30.4	25.2	37.8

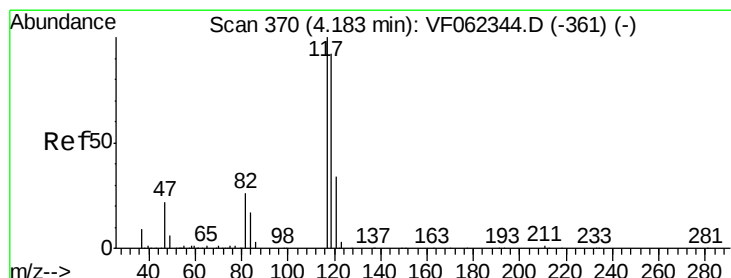
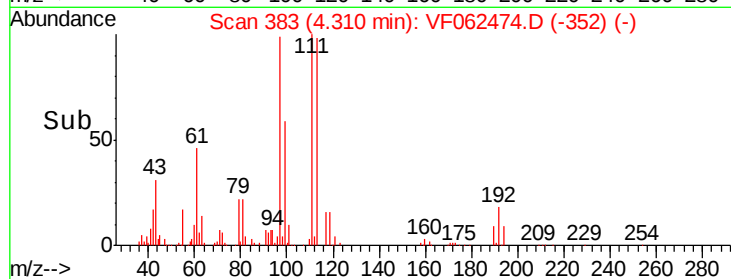
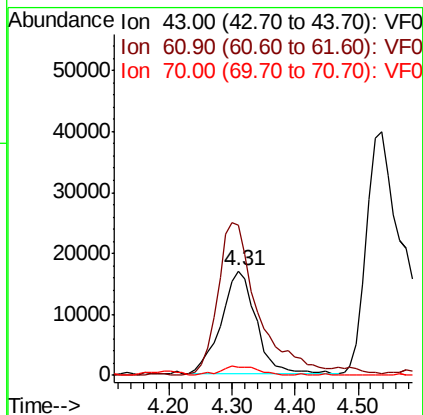
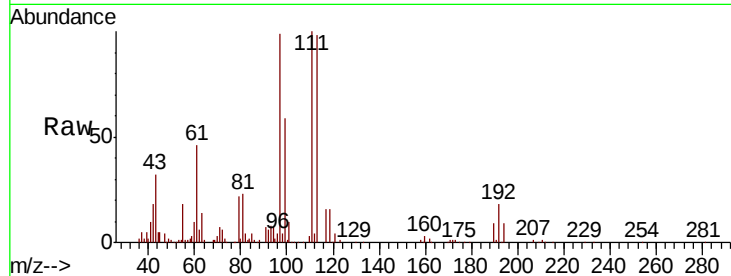




#37
Ethyl Acetate
Concen: 50.611 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

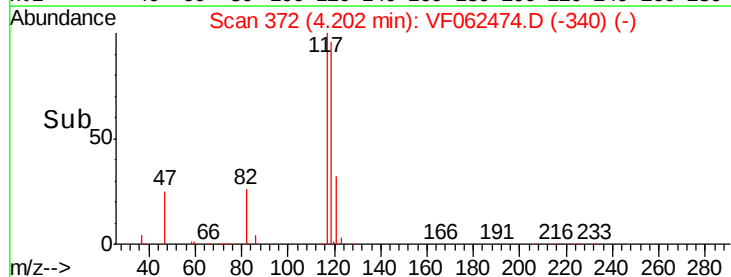
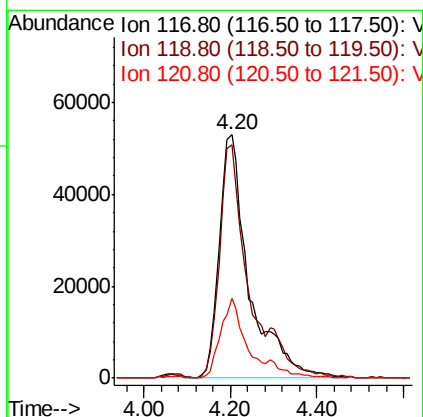
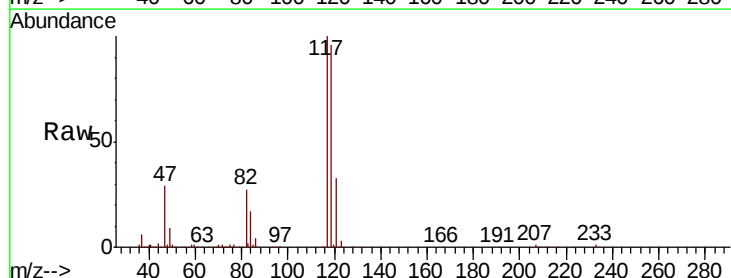
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

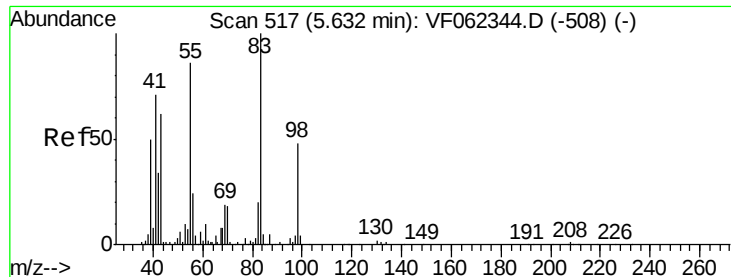
Tot Ion: 43 Resp: 63786
Ion Ratio Lower Upper
43 100
61 175.5 0.0 0.0#
70 10.0 8.2 12.2



#38
Carbon Tetrachloride
Concen: 77.324 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 117 Resp: 254806
Ion Ratio Lower Upper
117 100
119 95.4 73.4 110.2
121 32.2 27.4 41.0

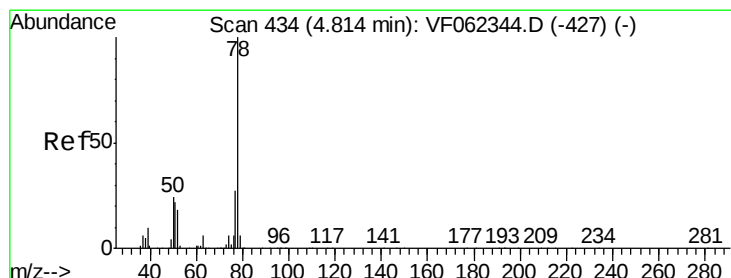
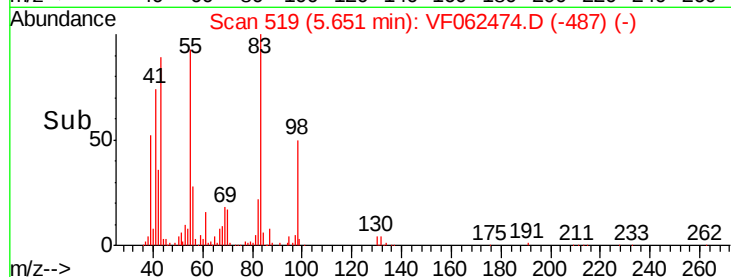
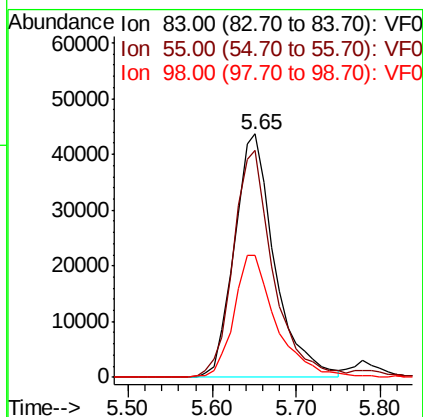
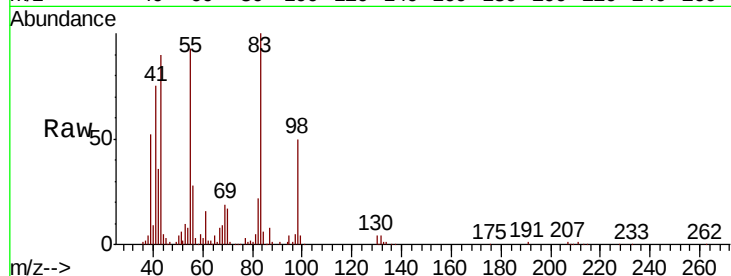




#39
Methvlcvclohexane
Concen: 44.807 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

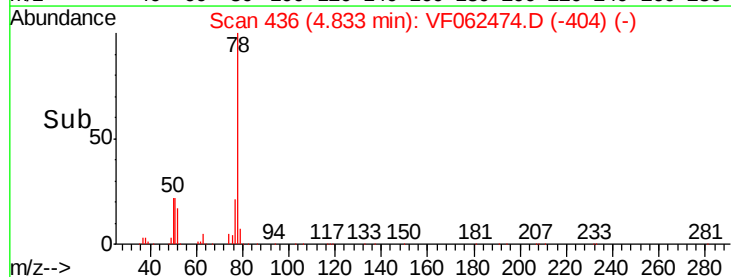
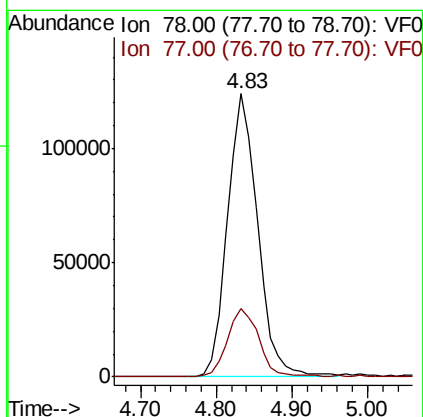
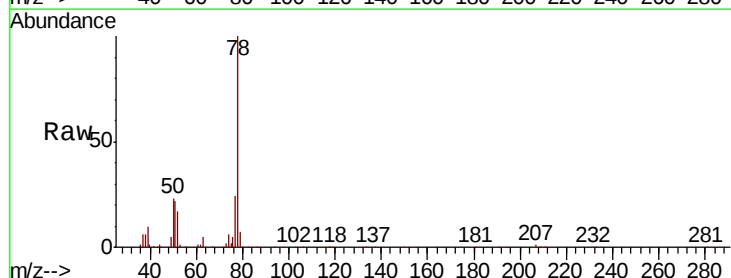
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

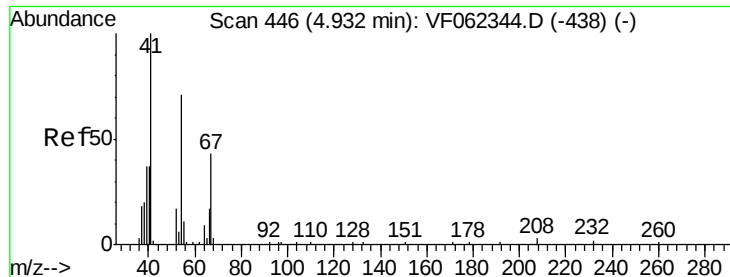
Tot Ion: 83 Resp: 145627
Ion Ratio Lower Upper
83 100
55 92.7 69.0 103.6
98 49.9 38.6 58.0



#40
Benzene
Concen: 48.017 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 78 Resp: 342658
Ion Ratio Lower Upper
78 100
77 24.2 21.6 32.4

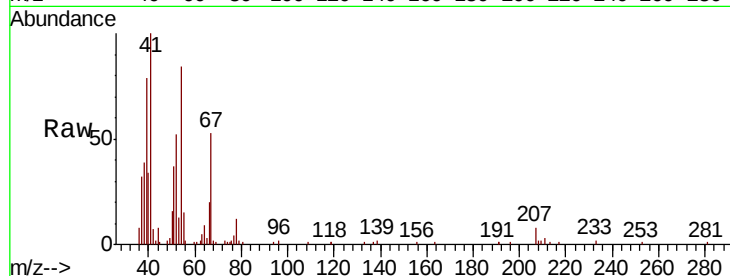




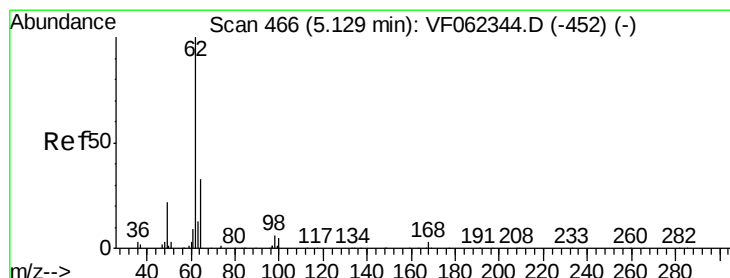
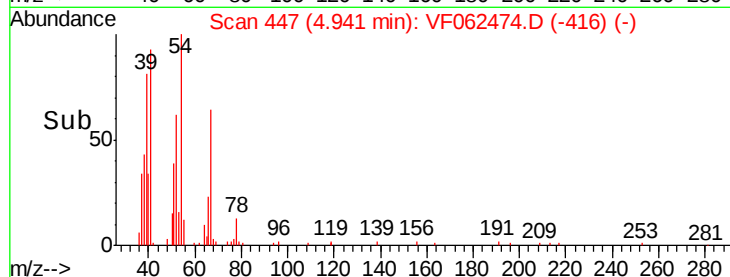
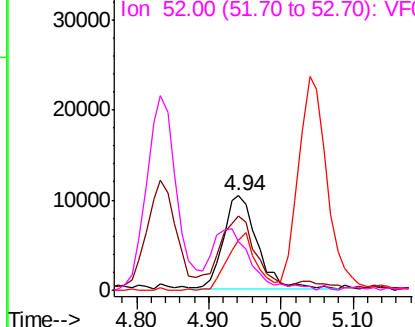
#41
Methacrylonitrile
Concen: 43.740 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	33988
Ion	Ratio	Lower	Upper
41	100		
39	80.8	54.3	81.5
67	51.3	37.8	56.8
52	73.0	58.2	87.4

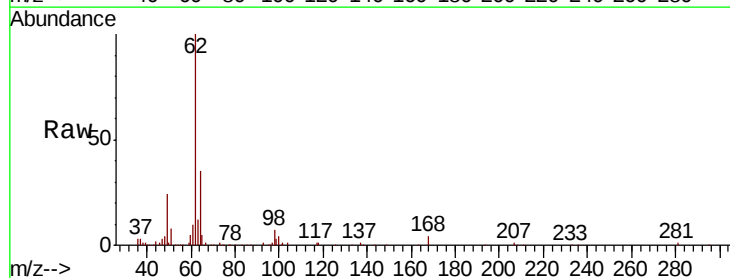


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

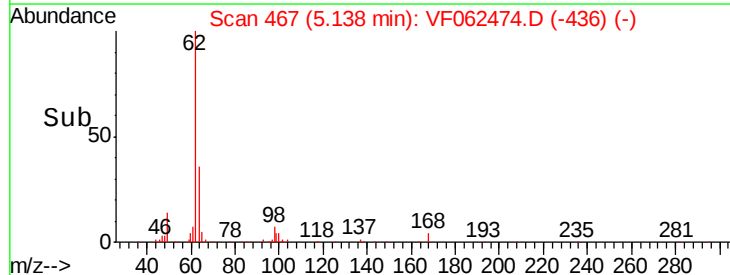
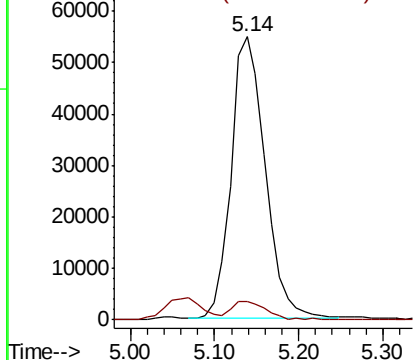


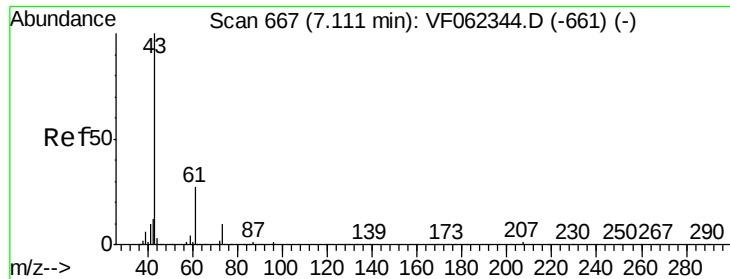
#42
1,2-Dichloroethane
Concen: 51.152 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:	62	Resp:	152668
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



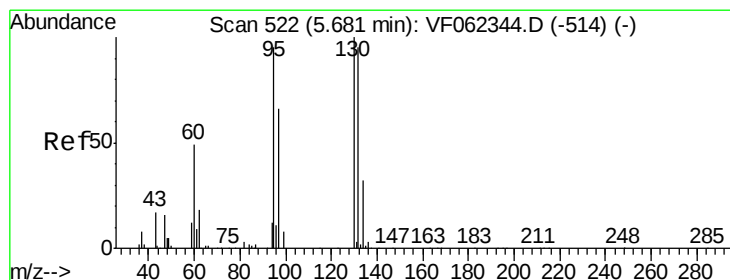
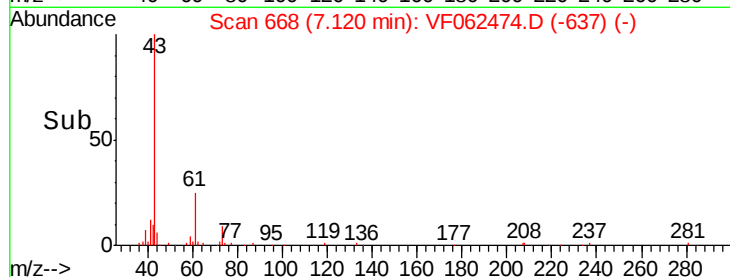
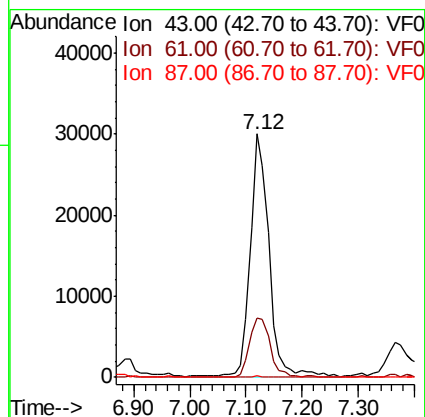
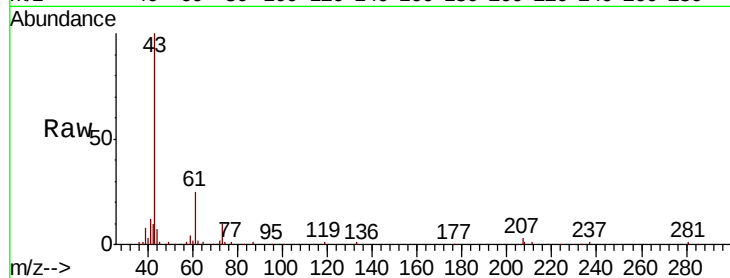


#43

Isopropyl Acetate
 Concen: 47.695 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

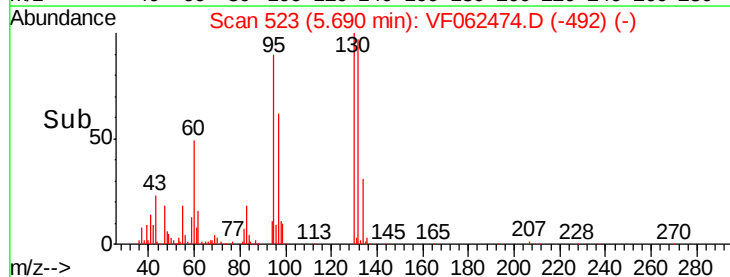
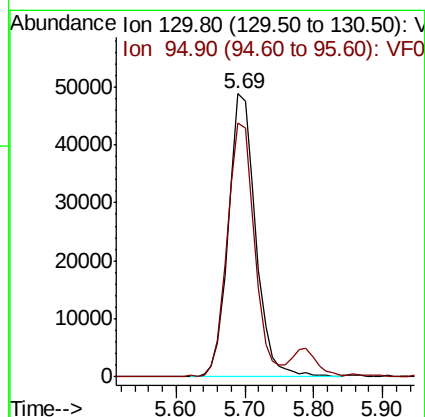
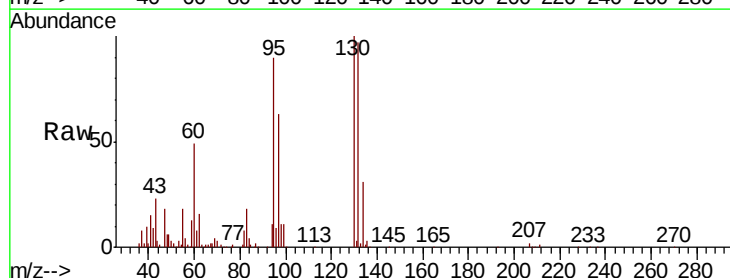
Tot Ion: 43 Resp: 70303
 Ion Ratio Lower Upper
 43 100
 61 26.7 22.8 34.2
 87 0.2 0.6 1.0#

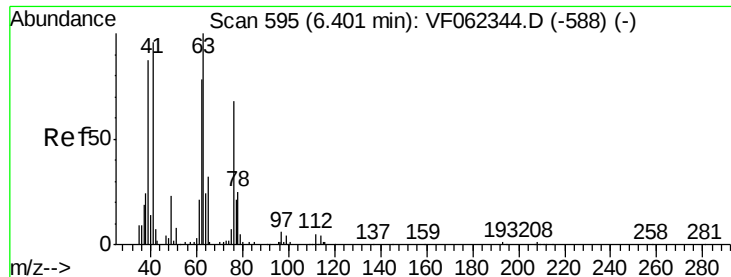


#44

Trichloroethene
 Concen: 51.078 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion: 130 Resp: 133897
 Ion Ratio Lower Upper
 130 100
 95 89.3 0.0 189.0





#45

1,2-Dichloropropane

Concen: 51.045 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

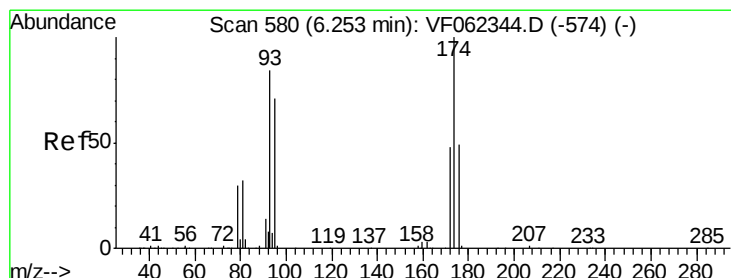
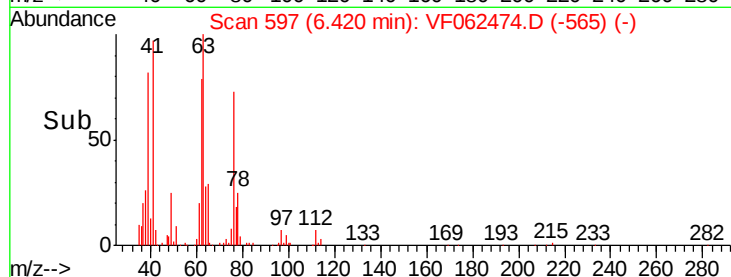
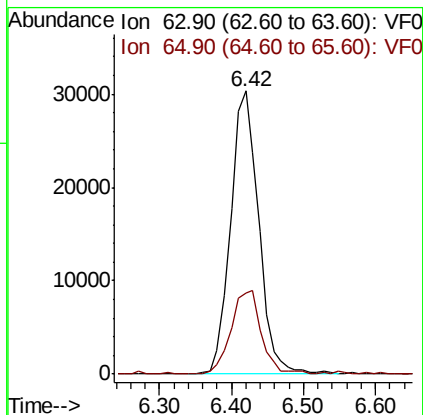
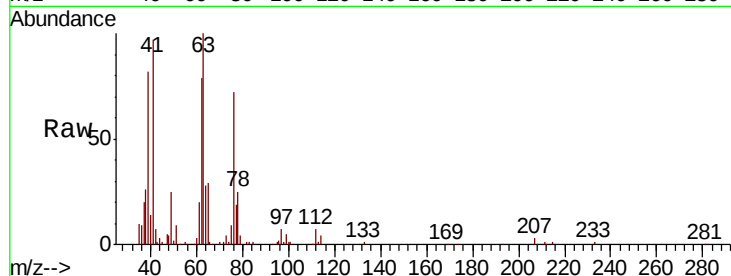
VSTDCCC050

Tot Ion: 63 Resp: 82507

Ion Ratio Lower Upper

63 100

65 28.7 25.6 38.4



#46

Dibromomethane

Concen: 52.465 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

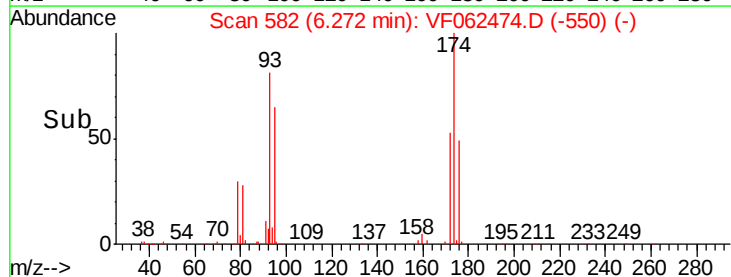
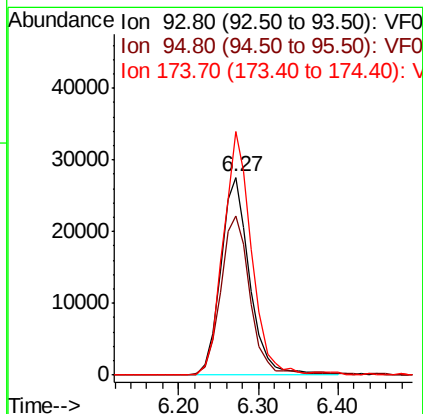
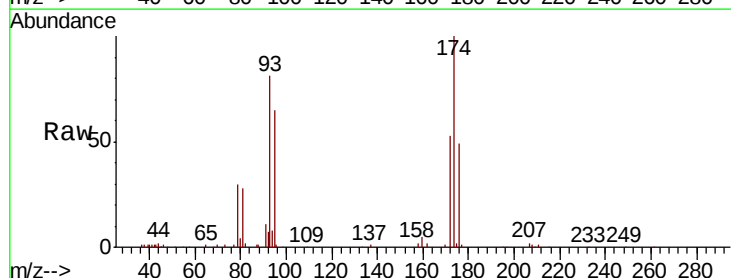
Tgt Ion: 93 Resp: 70311

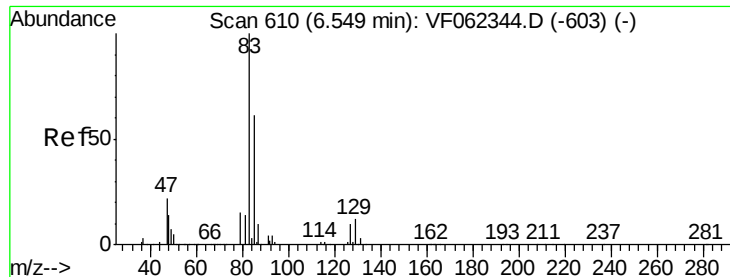
Ion Ratio Lower Upper

93 100

95 81.4 68.4 102.6

174 119.9 99.6 149.4





#47

Bromodichloromethane

Concen: 51.771 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

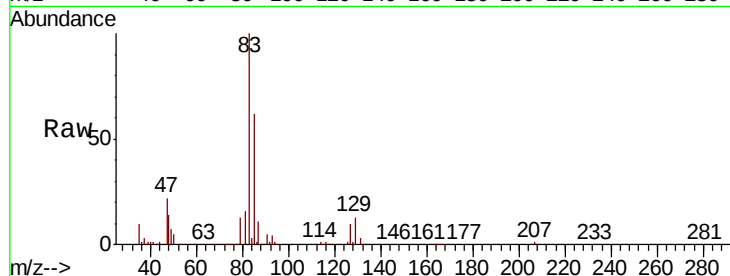
Tot Ion: 83 Resp: 173466

Ion Ratio Lower Upper

83 100

85 62.2 49.1 73.7

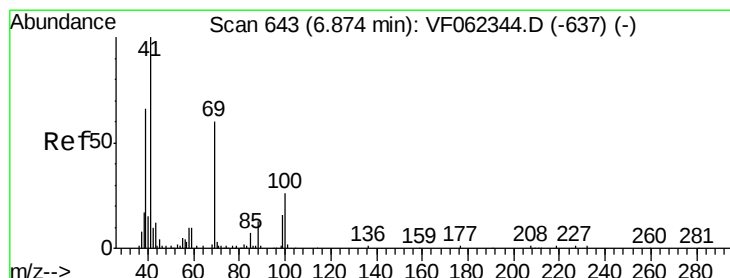
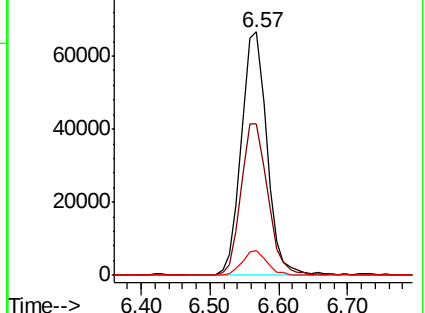
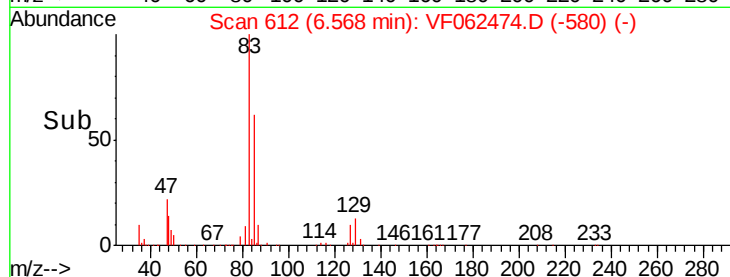
127 10.4 7.8 11.8



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 48.733 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

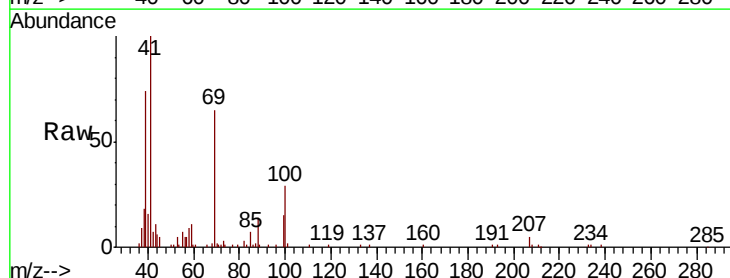
Tgt Ion: 41 Resp: 50764

Ion Ratio Lower Upper

41 100

69 63.1 48.6 72.8

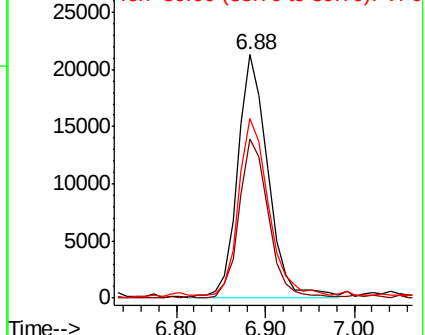
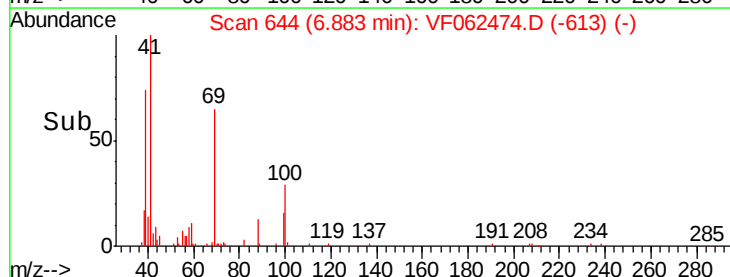
39 71.5 56.1 84.1

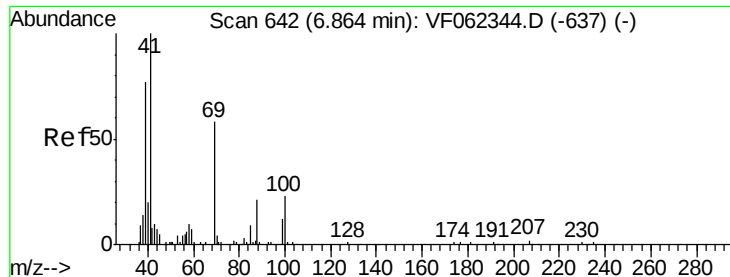


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

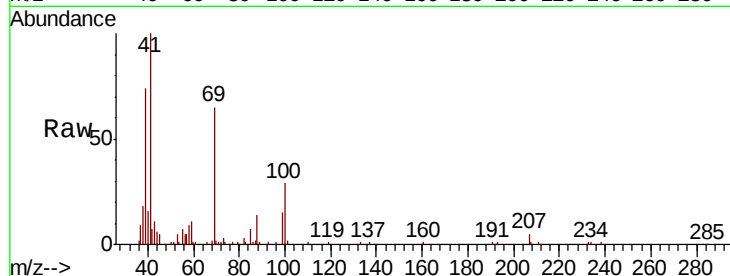




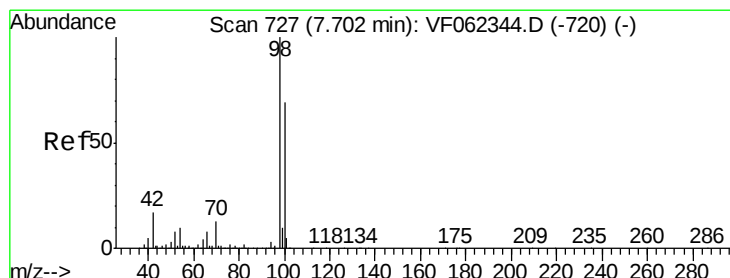
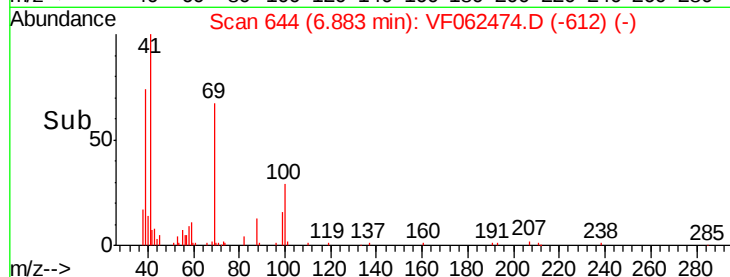
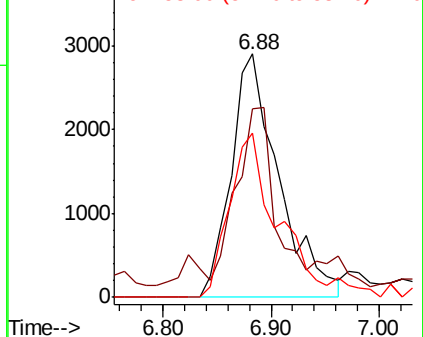
#49
1,4-Dioxane
Concen: 830.483 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 8921
Ion Ratio Lower Upper
88 100
43 54.4 55.6 83.4#
58 70.3 52.8 79.2

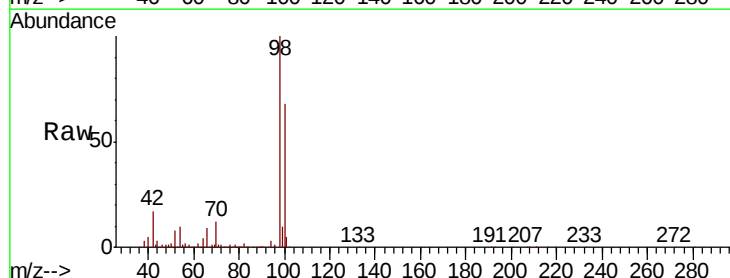


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

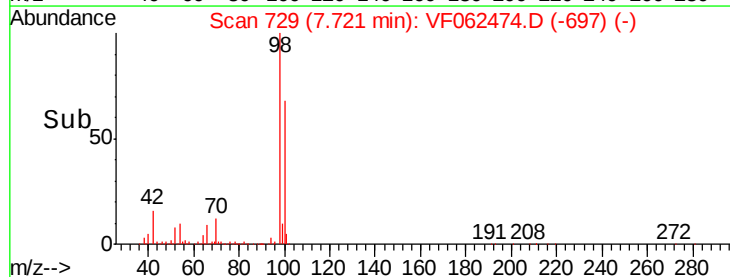
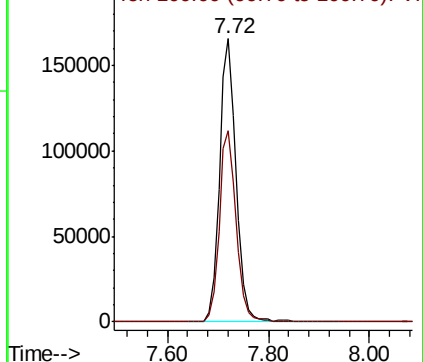


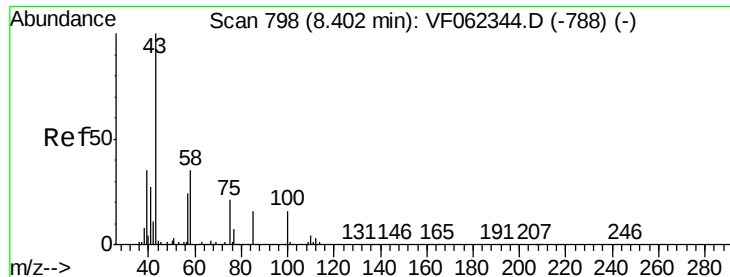
#50
Toluene-d8
Concen: 52.192 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 98 Resp: 379701
Ion Ratio Lower Upper
98 100
100 68.4 53.3 79.9



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





#51

4-Methyl-2-Pentanone

Concen: 259.989 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

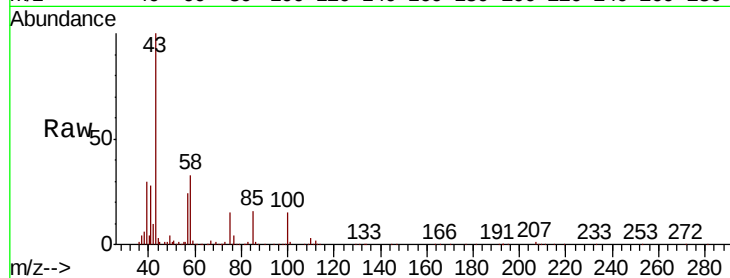
VSTDCCC050

Tot Ion: 43 Resp: 290388

Ion Ratio Lower Upper

43 100

58 34.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

150000

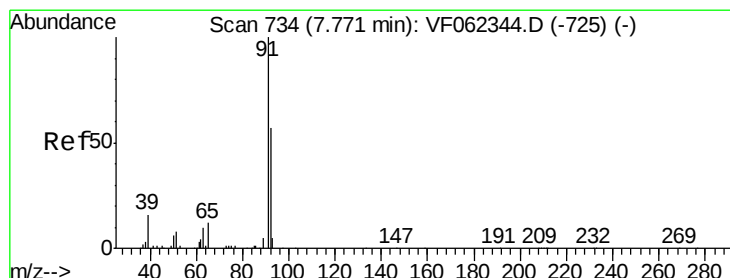
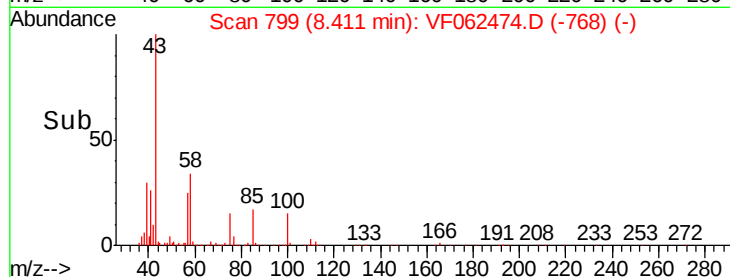
100000

50000

0

Time-->

8.30 8.40 8.50



#52

Toluene

Concen: 50.405 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.02 min

Lab File: VF062474.D

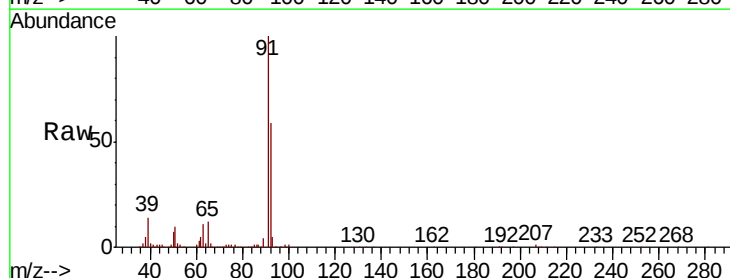
Acq: 11 May 2019 22:43

Tgt Ion: 92 Resp: 221902

Ion Ratio Lower Upper

92 100

91 168.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

150000

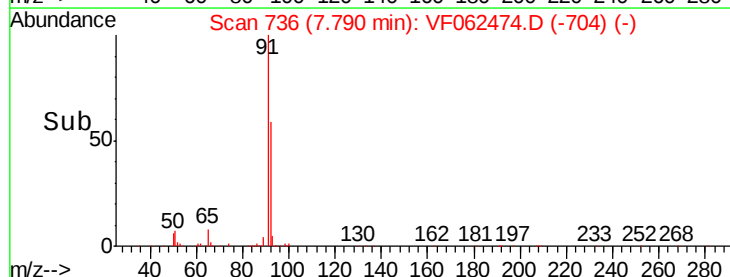
100000

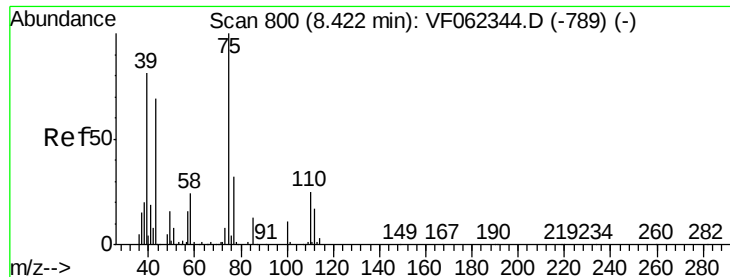
50000

0

Time-->

7.60 7.70 7.80 7.90 8.00





#53

t-1,3-Dichloropropene

Concen: 51.453 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

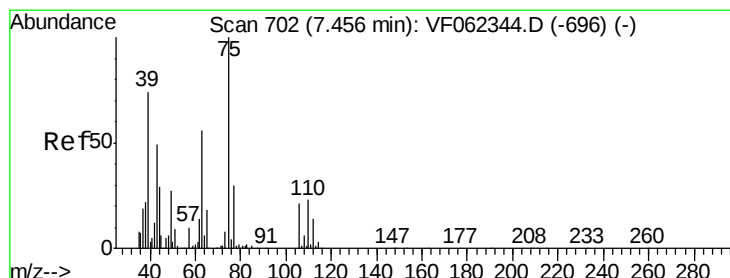
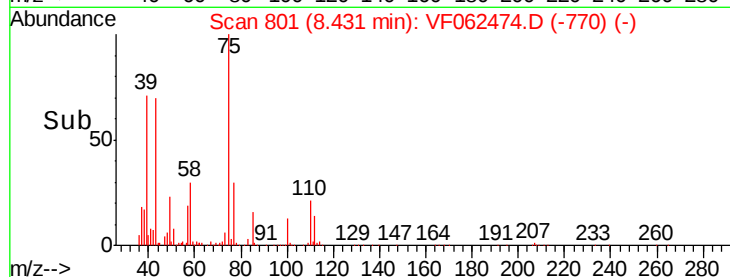
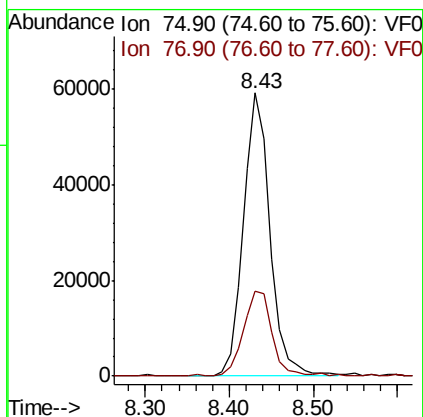
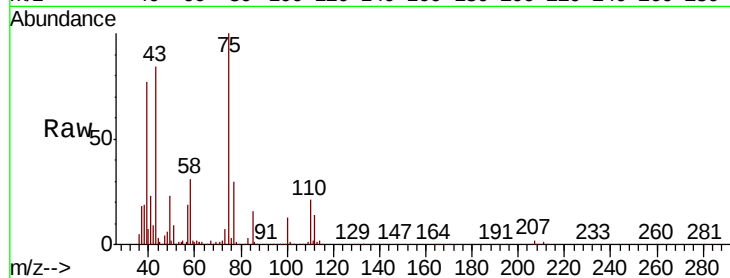
VSTDCCC050

Tot Ion: 75 Resp: 130392

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 49.513 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

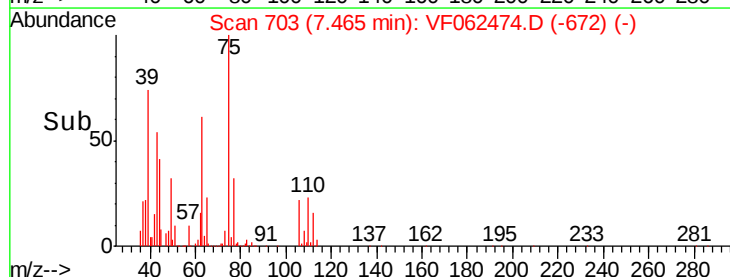
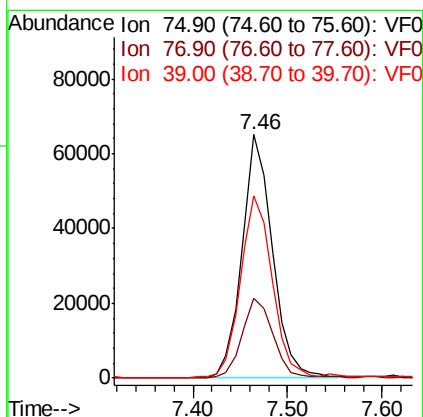
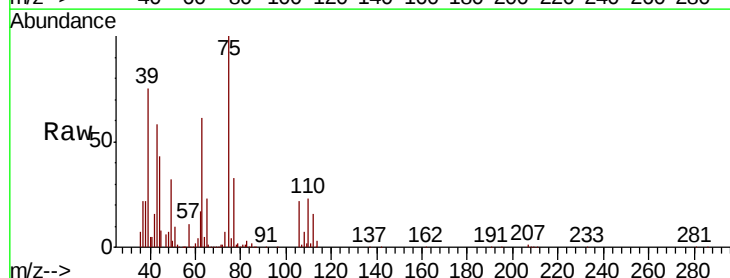
Tgt Ion: 75 Resp: 146029

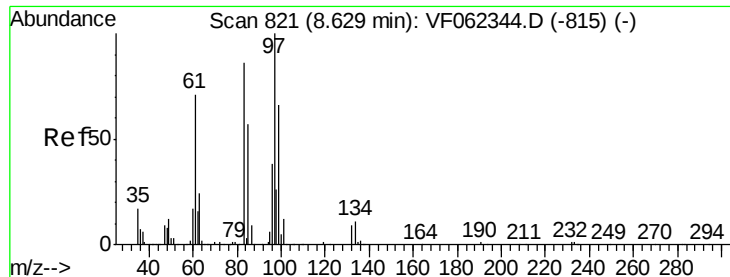
Ion Ratio Lower Upper

75 100

77 32.5 24.0 36.0

39 74.7 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 54.250 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 75816

Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.5	102.7
85	47.3	45.4	68.2
99	59.0	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

8.64

Time-->

8.60 8.70

50000

40000

30000

20000

10000

0

8.60 8.70

Time-->

8.60 8.70

50000

40000

30000

20000

10000

0

8.60 8.70

Time-->

8.60 8.70

50000

40000

30000

20000

10000

0

8.60 8.70

Time-->

8.60 8.70

50000

40000

30000

20000

10000

0

8.60 8.70

Time-->

8.60 8.70

50000

40000

30000

20000

10000

0

8.60 8.70

Time-->

8.60 8.70

50000

40000

30000

20000

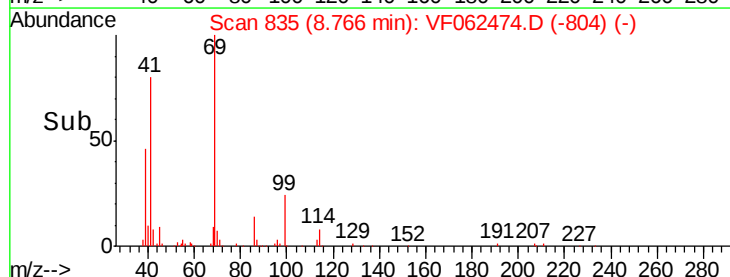
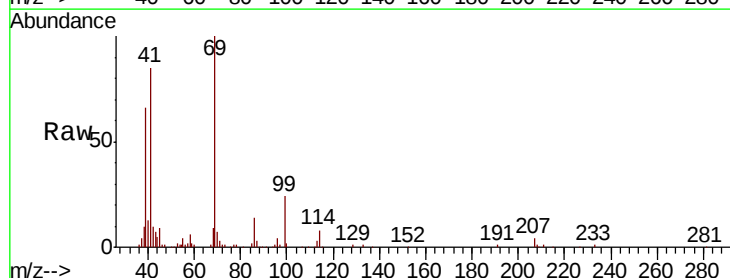
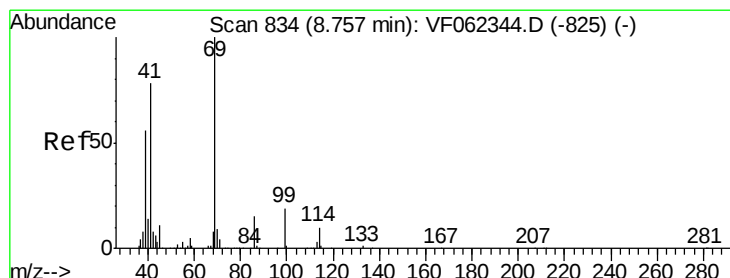
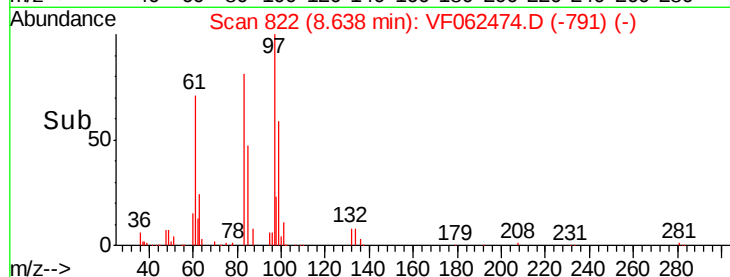
10000

0

8.60 8.70

Time-->

8.60 8.70



#56

Ethyl methacrylate

Concen: 49.324 ug/l

RT: 8.77 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion: 69 Resp: 72765

Ion	Ratio	Lower	Upper
69	100		
41	83.5	66.3	99.5
39	60.9	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

8.77

Time-->

8.60 8.70

40000

30000

20000

10000

0

8.60 8.70

Time-->

8.60 8.70

40000

30000

20000

10000

0

8.60 8.70

Time-->

8.60 8.70

40000

30000

20000

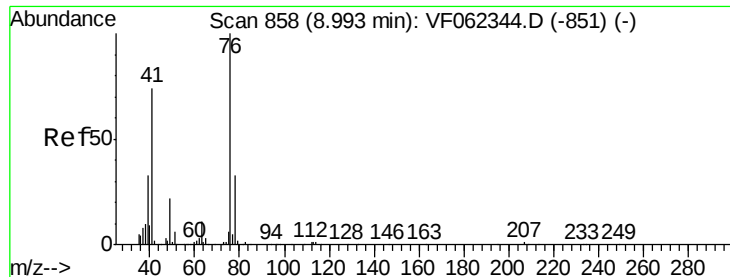
10000

0

8.60 8.70

Time-->

8.60 8.70



#57

1,3-Dichloropropane

Concen: 51.598 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

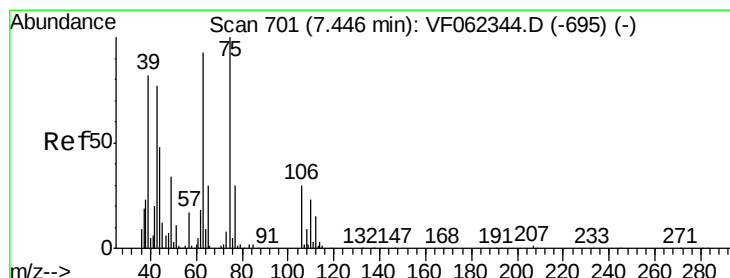
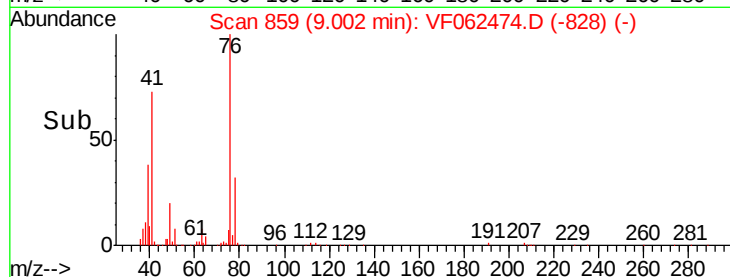
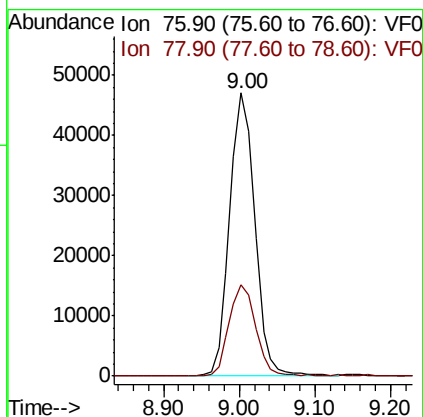
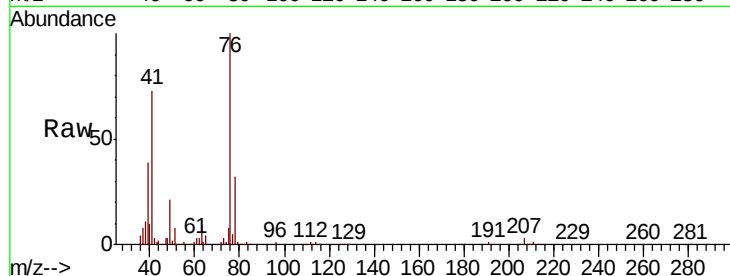
VSTDCCC050

Tot Ion: 76 Resp: 108923

Ion Ratio Lower Upper

76 100

78 34.0 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 234.316 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062474.D

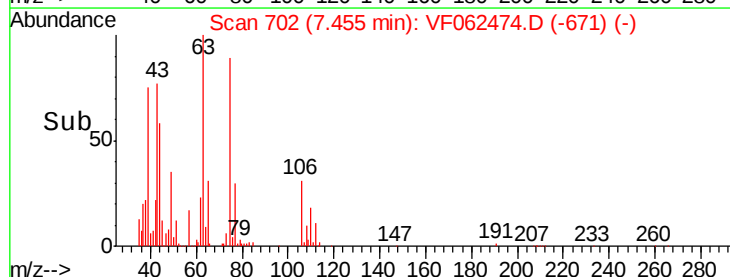
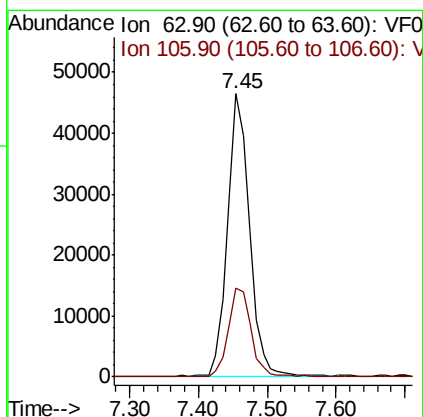
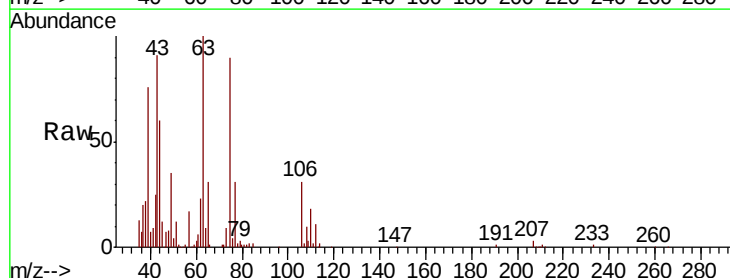
Acq: 11 May 2019 22:43

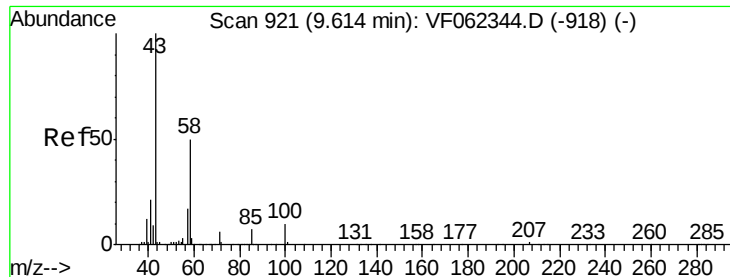
Tgt Ion: 63 Resp: 103924

Ion Ratio Lower Upper

63 100

106 31.9 25.8 38.8

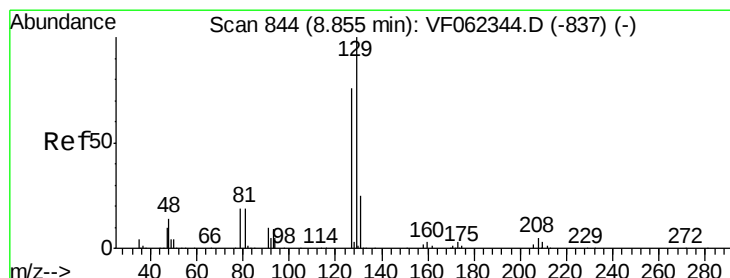
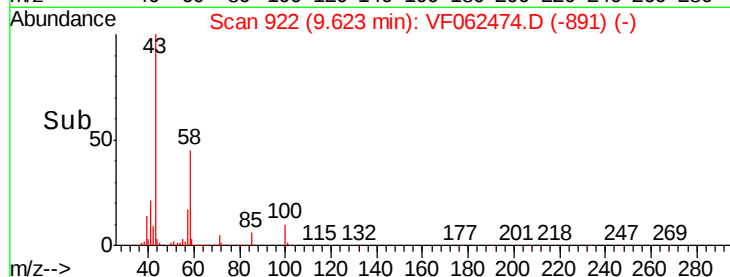
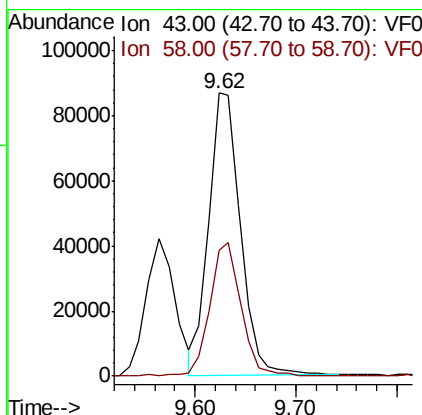
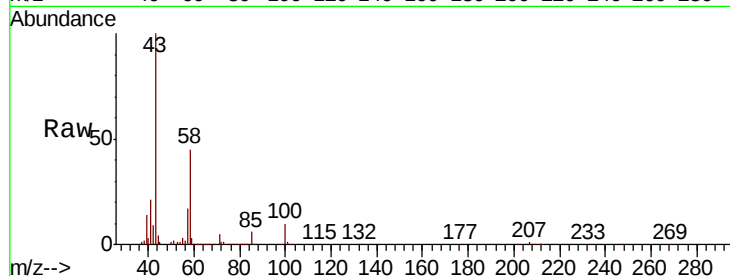




#59
2-Hexanone
Concen: 245.873 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

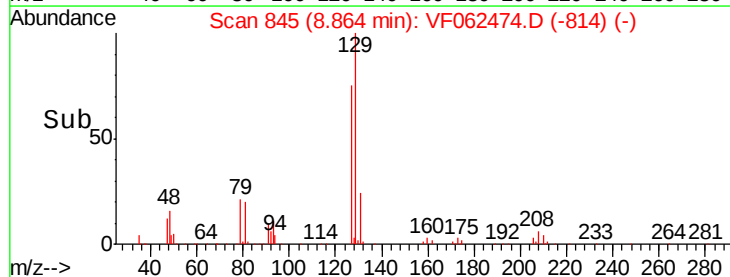
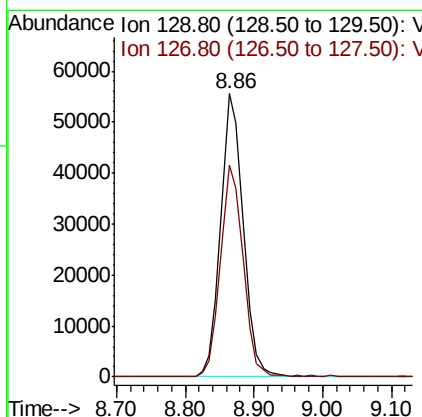
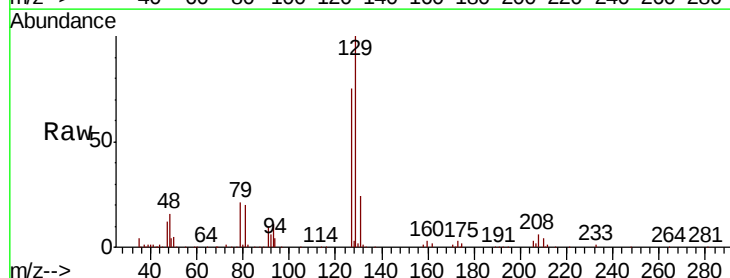
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

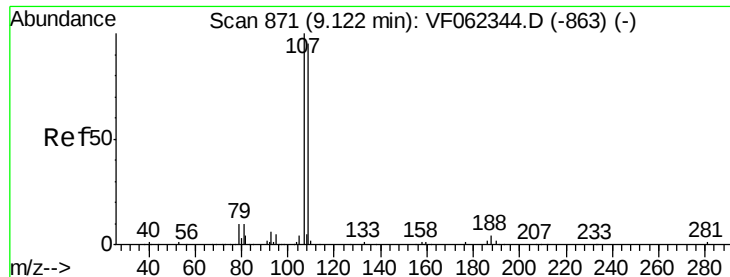
Tot Ion: 43 Resp: 189929
Ion Ratio Lower Upper
43 100
58 46.1 24.3 73.0



#60
Dibromochloromethane
Concen: 55.384 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 129 Resp: 126591
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.804 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

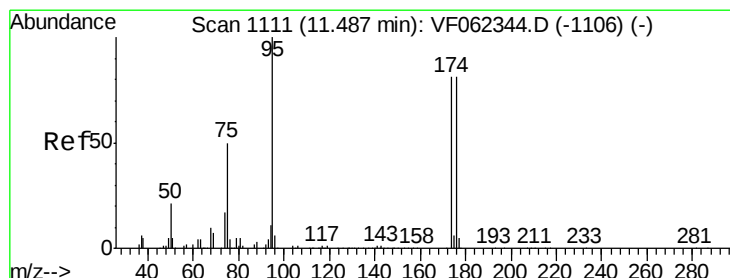
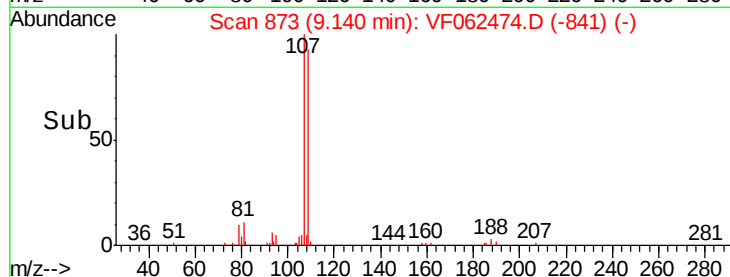
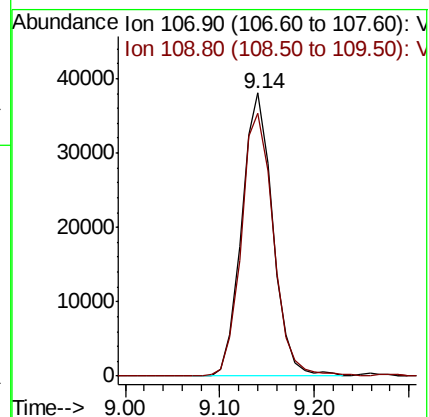
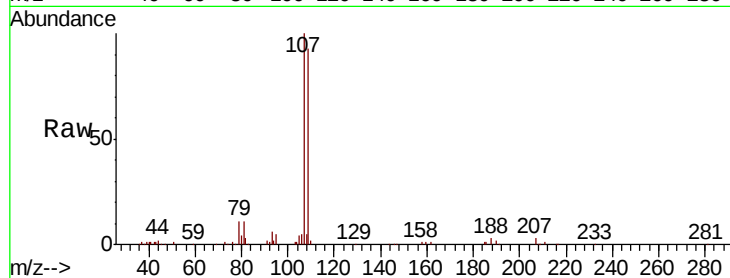
VSTDCCC050

Tot Ion:107 Resp: 86733

Ion Ratio Lower Upper

107 100

109 96.5 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 50.638 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

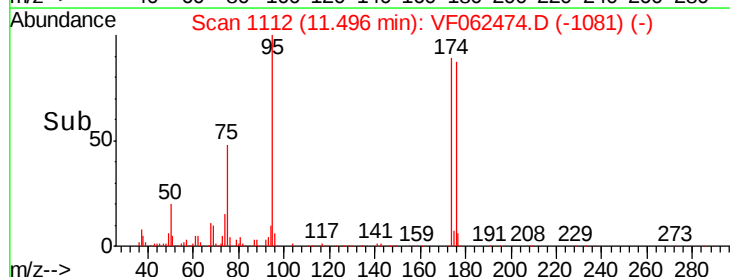
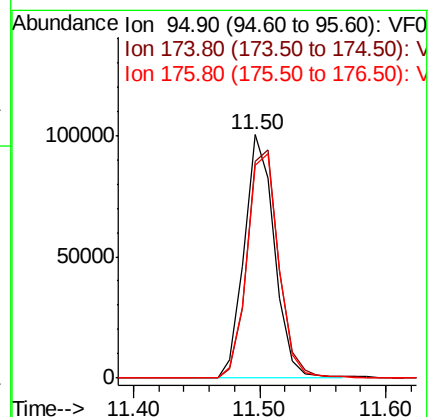
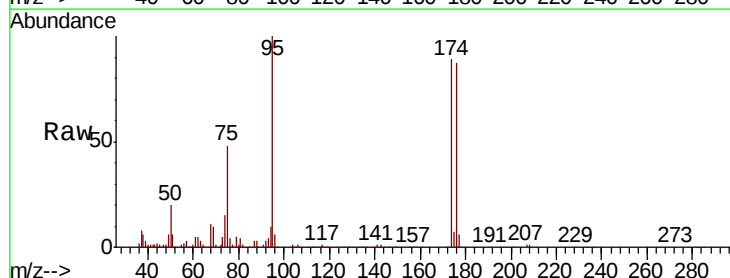
Tgt Ion: 95 Resp: 166209

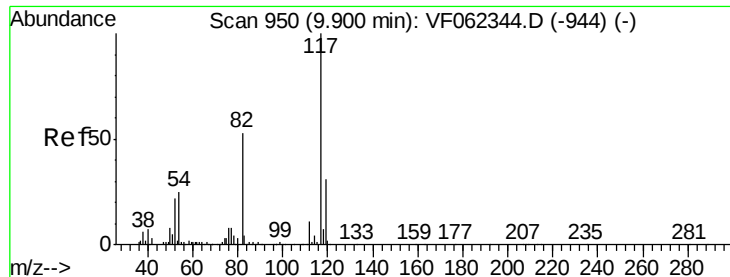
Ion Ratio Lower Upper

95 100

174 99.1 0.0 191.8

176 97.7 0.0 193.2

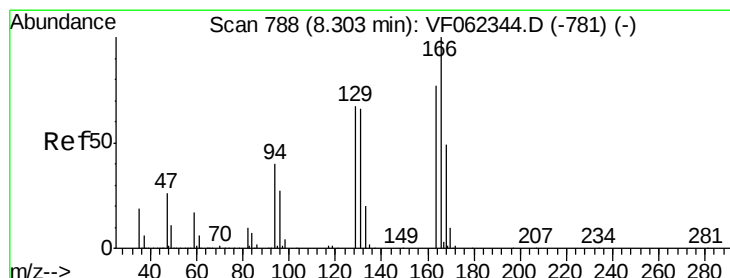
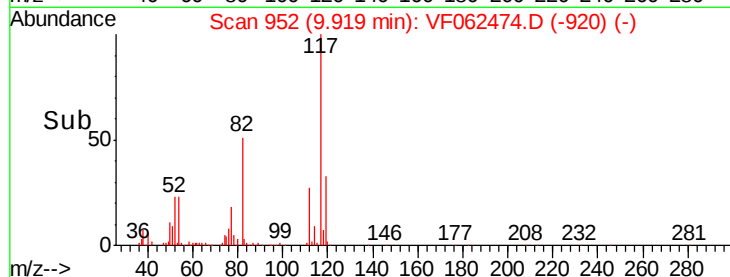
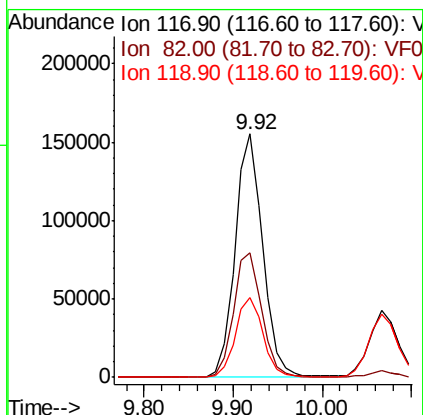
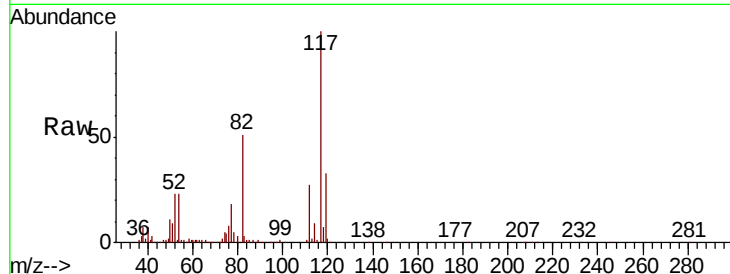




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.02 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

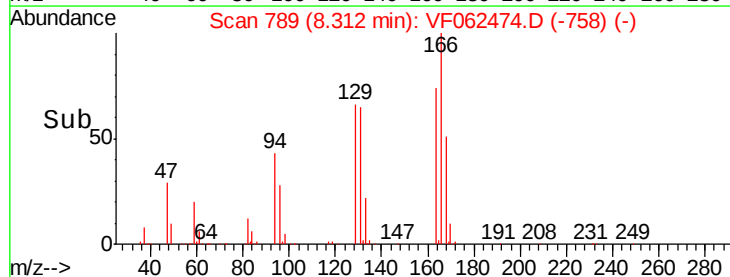
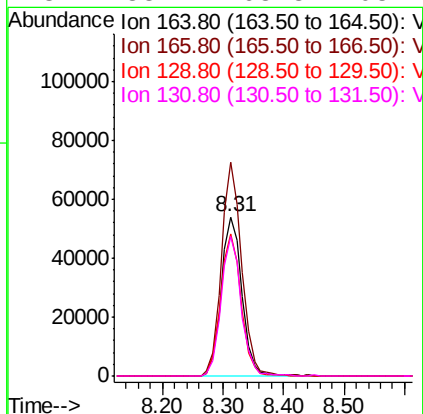
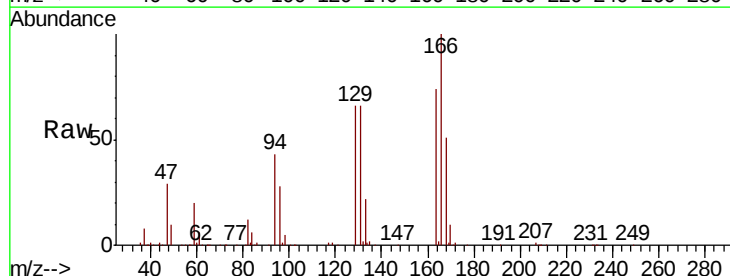
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

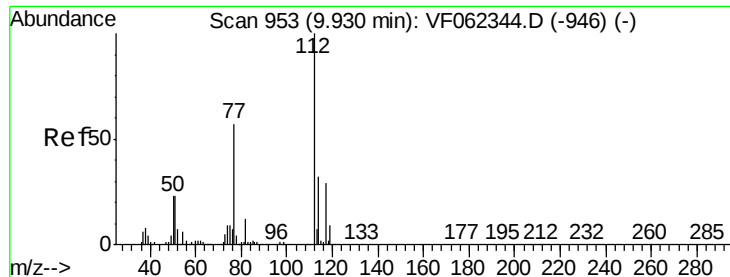
Tot Ion:117 Resp: 336619
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 32.6 25.0 37.4



#64
Tetrachloroethene
Concen: 46.888 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:164 Resp: 128134
Ion Ratio Lower Upper
164 100
166 134.3 104.2 156.4
129 89.0 69.6 104.4
131 88.1 68.8 103.2

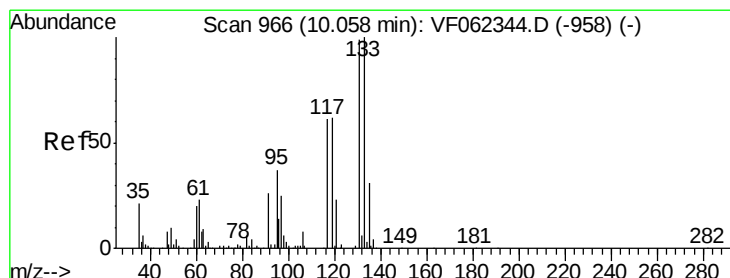
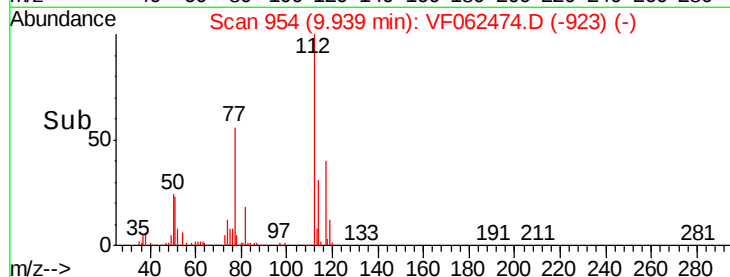
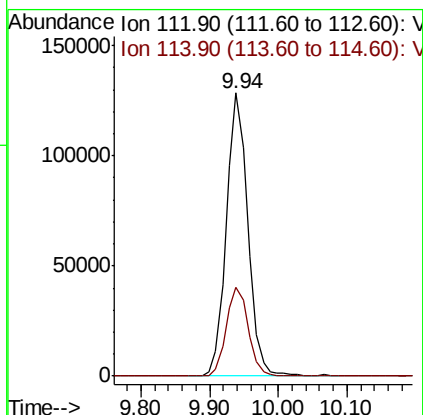
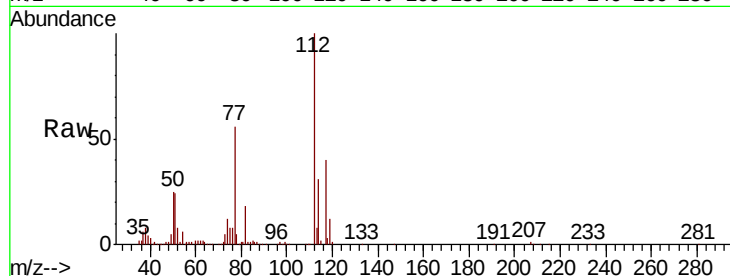




#65
Chlorobenzene
Concen: 49.940 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

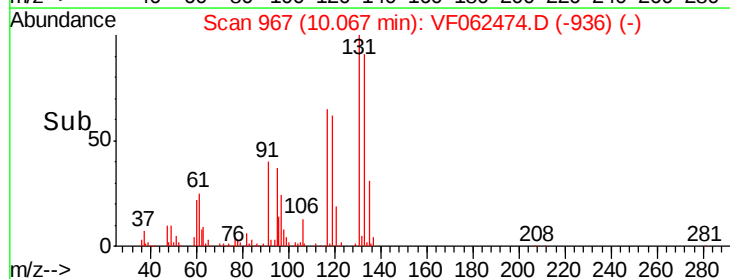
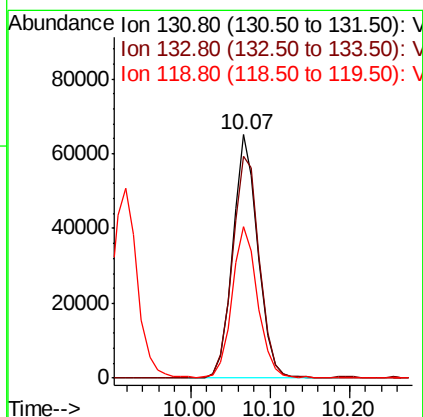
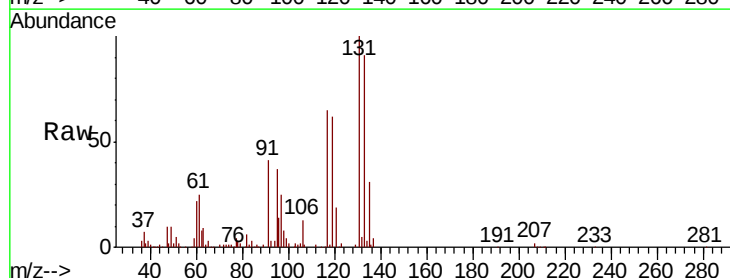
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

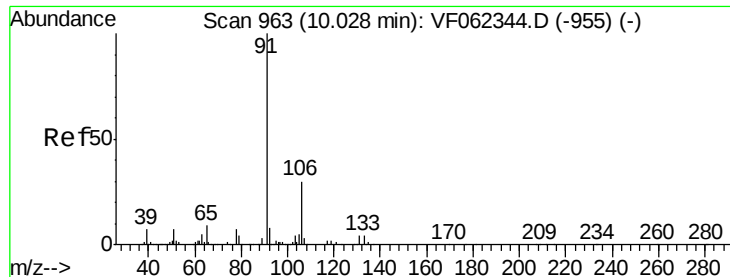
Tot Ion:112 Resp: 278145
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.774 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:131 Resp: 142657
Ion Ratio Lower Upper
131 100
133 98.4 50.2 150.7
119 63.2 31.6 95.0





#67

Ethyl Benzene

Concen: 49.350 ug/l

RT: 10.04 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

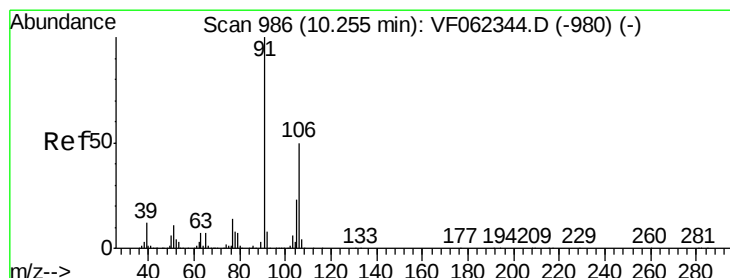
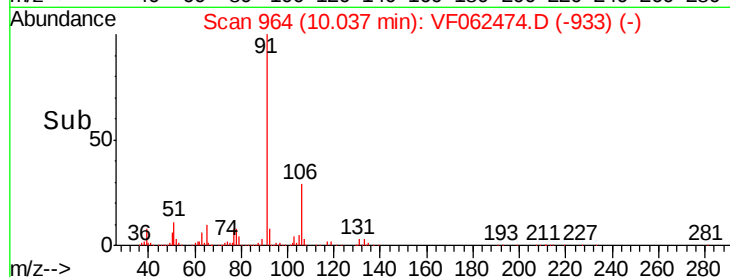
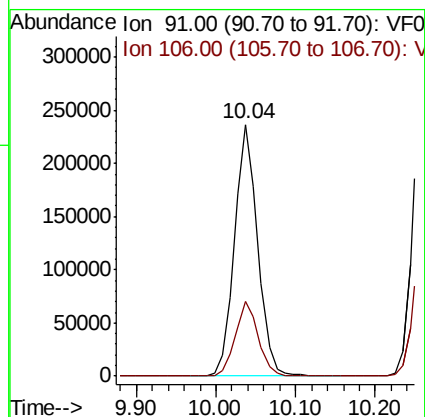
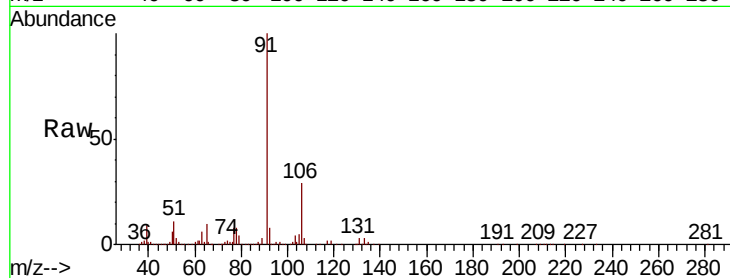
VSTDCCC050

Tot Ion: 91 Resp: 481304

Ion Ratio Lower Upper

91 100

106 29.5 24.1 36.1



#68

m/p-Xylenes

Concen: 99.014 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.01 min

Lab File: VF062474.D

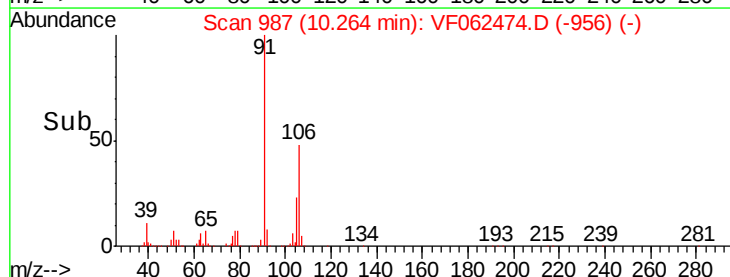
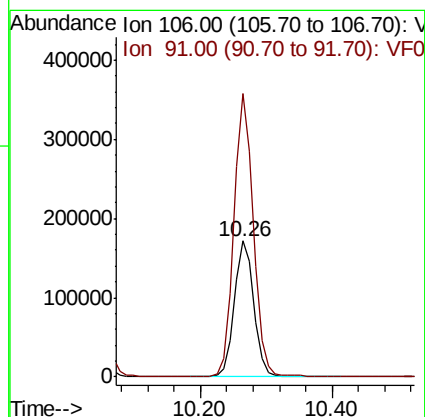
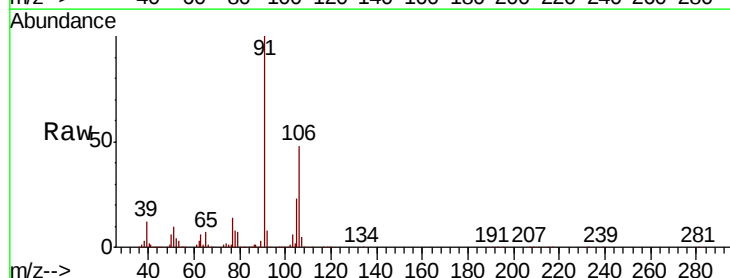
Acq: 11 May 2019 22:43

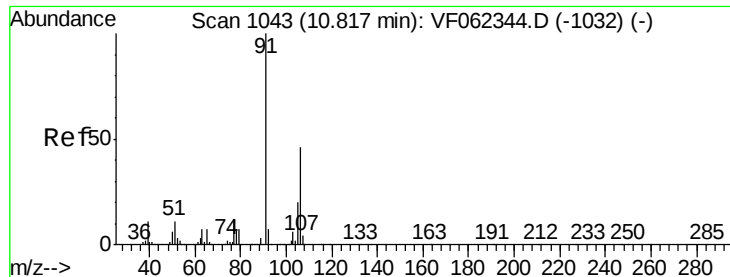
Tgt Ion: 106 Resp: 356293

Ion Ratio Lower Upper

106 100

91 207.4 167.4 251.2

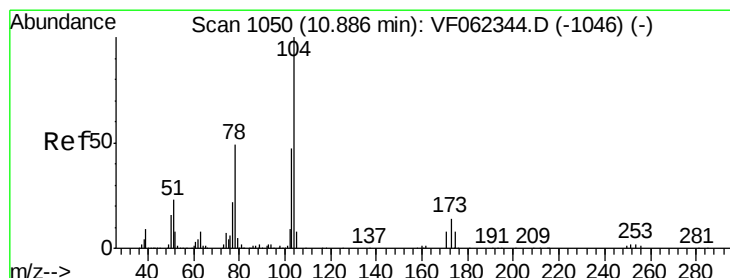
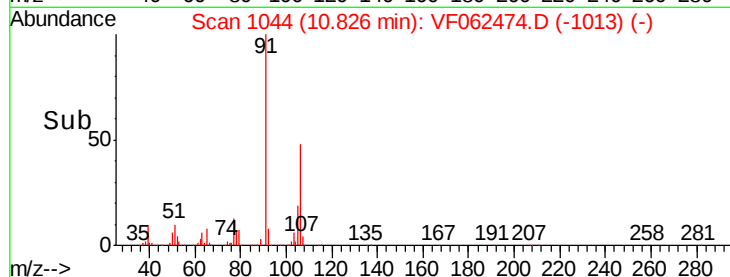
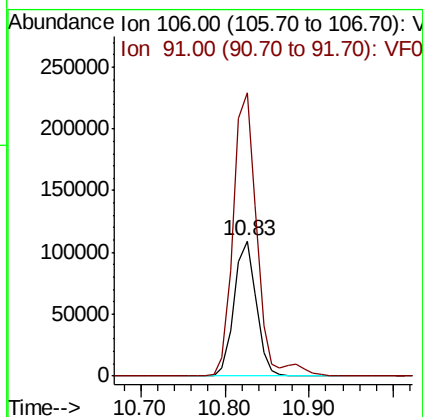
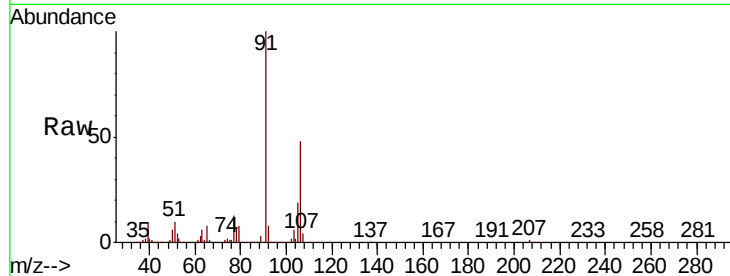




#69
o-Xylene
Concen: 51.773 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

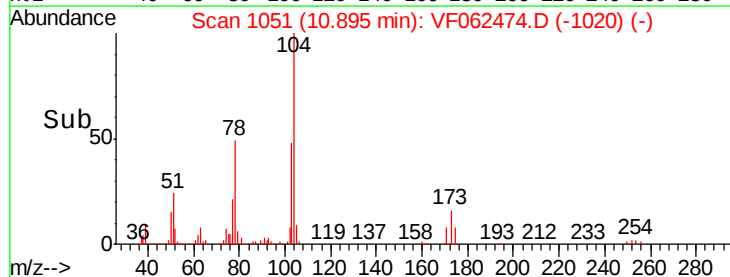
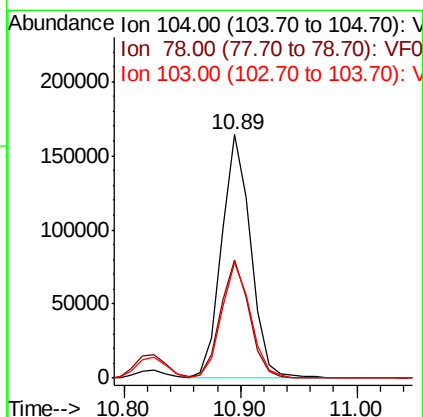
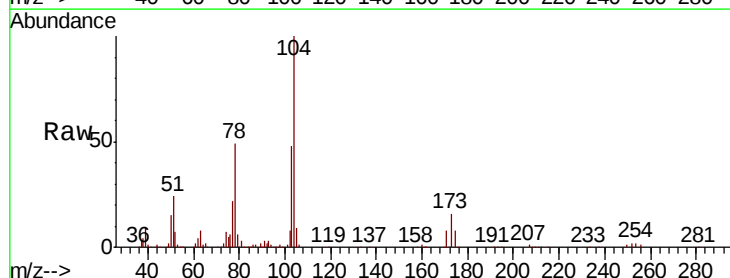
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

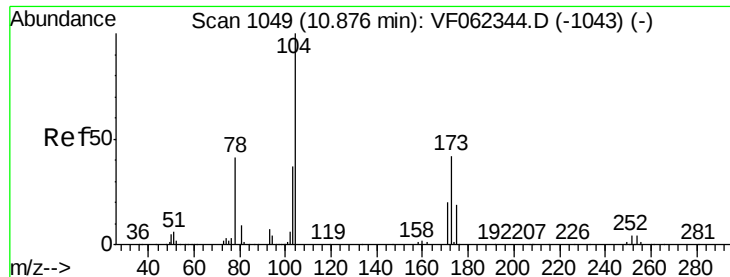
Tot Ion:106 Resp: 201311
Ion Ratio Lower Upper
106 100
91 215.9 111.3 333.8



#70
Styrene
Concen: 48.299 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion:104 Resp: 281464
Ion Ratio Lower Upper
104 100
78 48.1 39.5 59.3
103 48.2 38.4 57.6





#71

Bromoform

Concen: 49.647 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

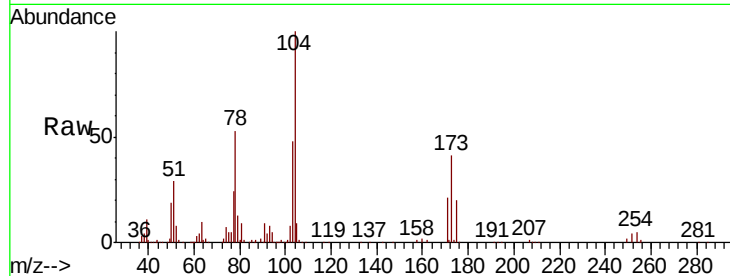
Tot Ion:173 Resp: 76422

Ion Ratio Lower Upper

173 100

175 47.2 23.8 71.2

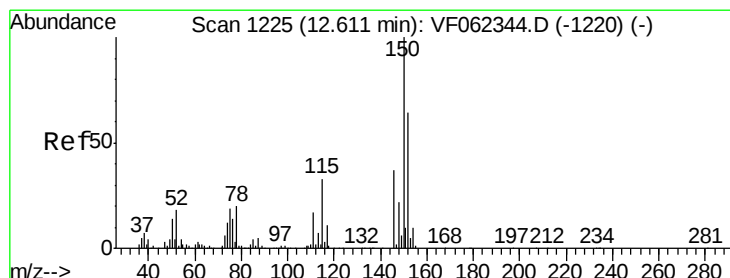
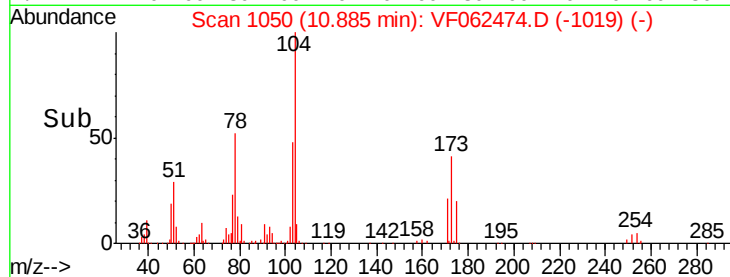
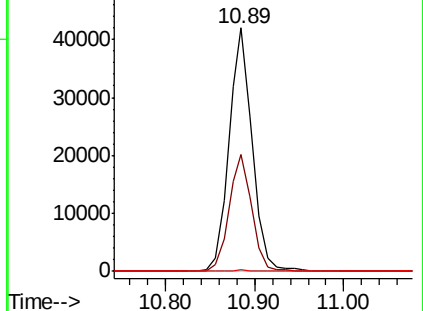
254 0.2 0.1 0.1#



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: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

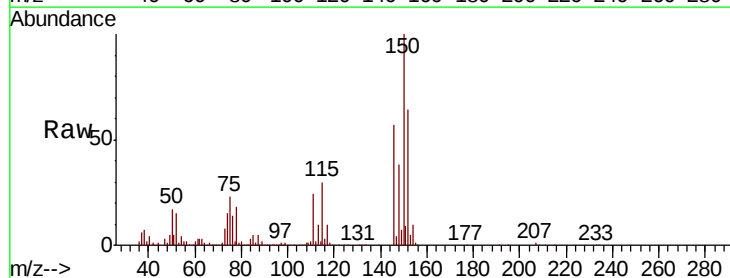
Tgt Ion:152 Resp: 211242

Ion Ratio Lower Upper

152 100

115 52.2 26.4 79.2

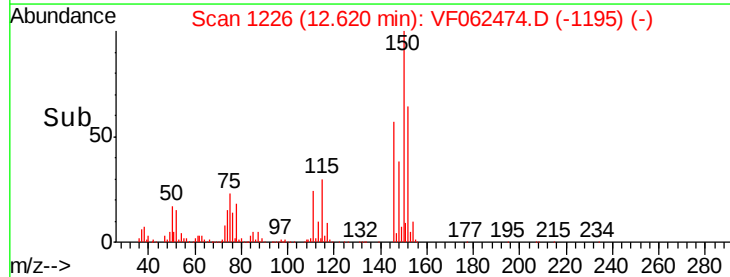
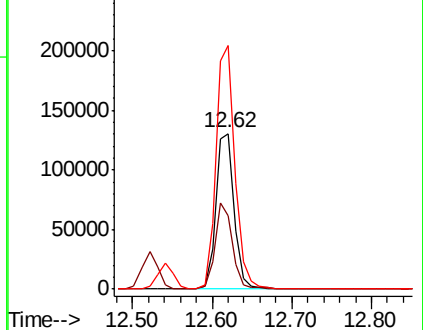
150 162.6 0.0 335.0

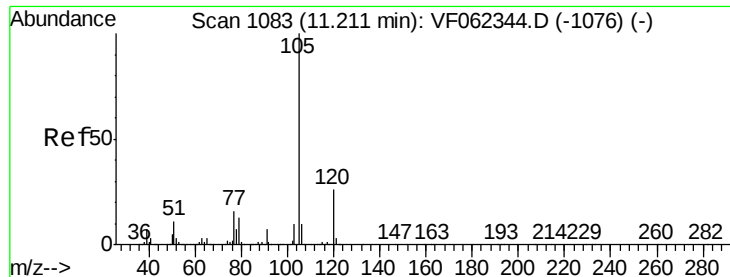


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.358 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

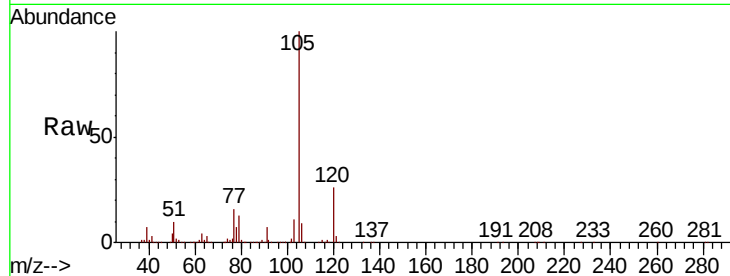
VSTDCCC050

Tot Ion:105 Resp: 605603

Ion Ratio Lower Upper

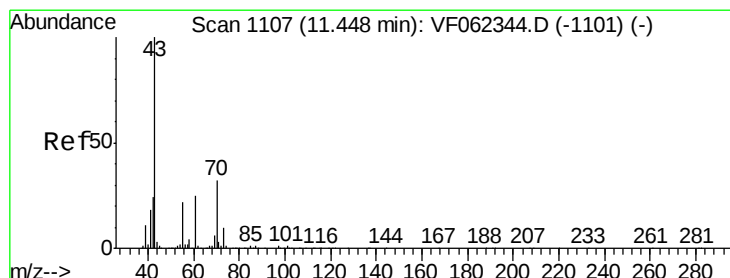
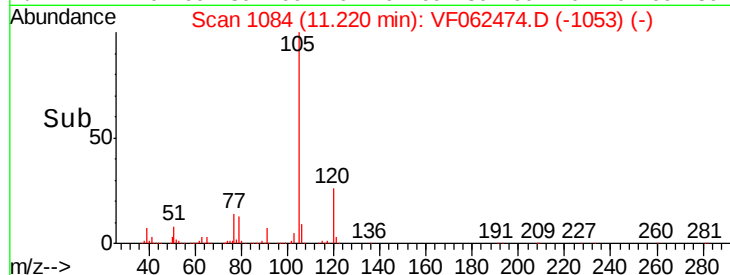
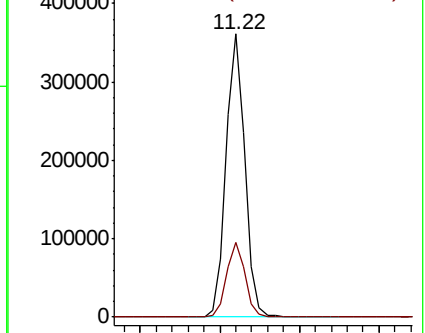
105 100

120 25.6 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: 47.025 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Tgt Ion: 43 Resp: 126430

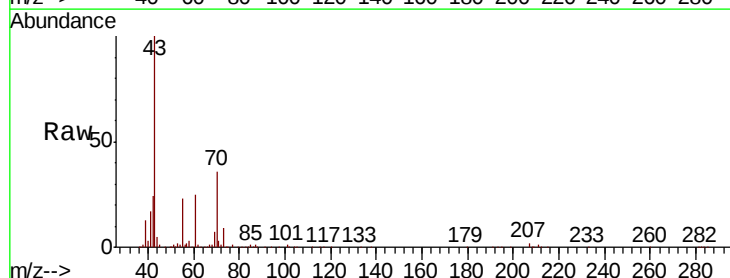
Ion Ratio Lower Upper

43 100

70 34.5 26.5 39.7

55 22.5 17.8 26.6

61 24.0 20.2 30.2

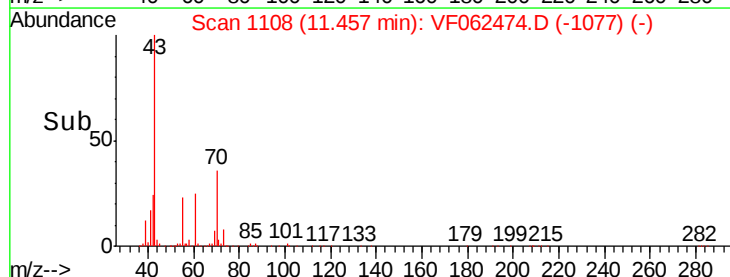
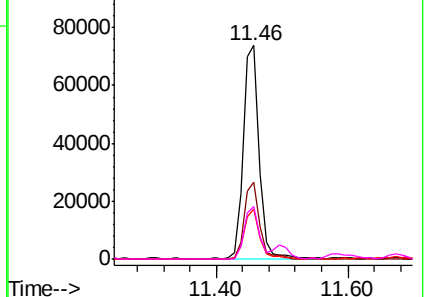


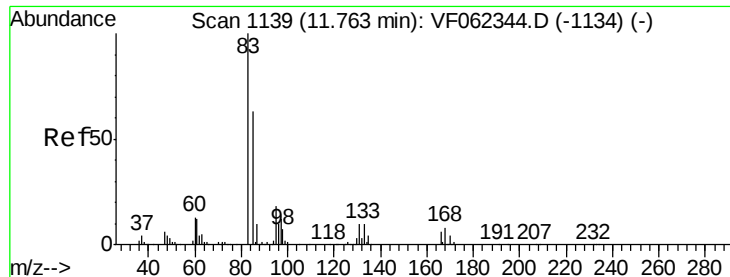
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.709 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

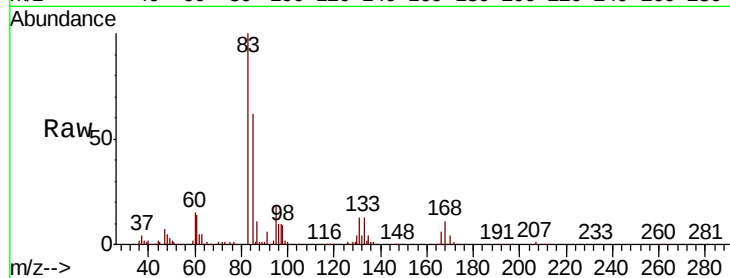
Tot Ion: 83 Resp: 95510

Ion Ratio Lower Upper

83 100

131 13.7 5.8 17.4

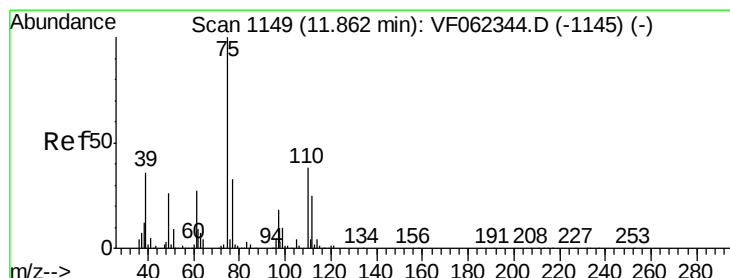
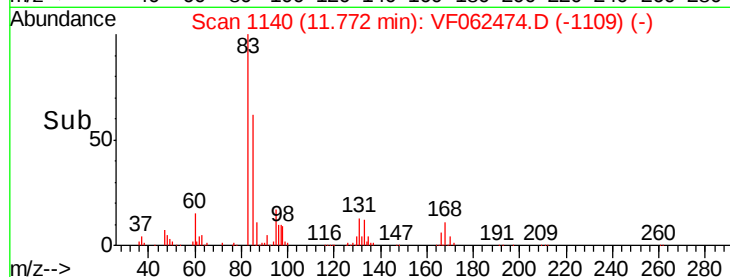
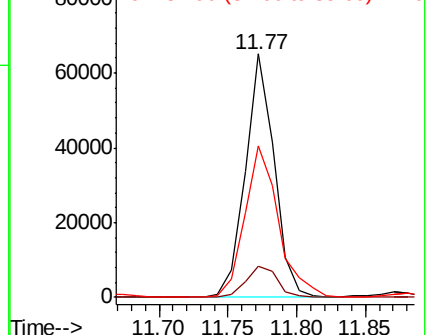
85 73.2 35.3 105.7



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 49.092 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062474.D

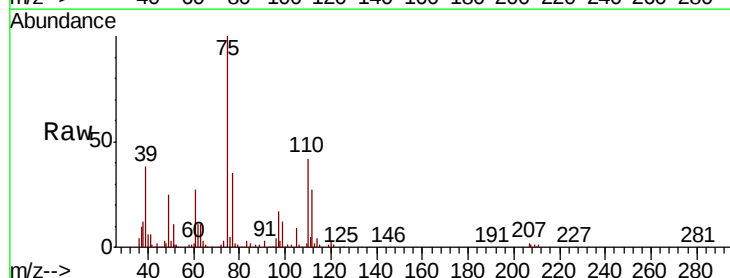
Acq: 11 May 2019 22:43

Tgt Ion: 75 Resp: 73441

Ion Ratio Lower Upper

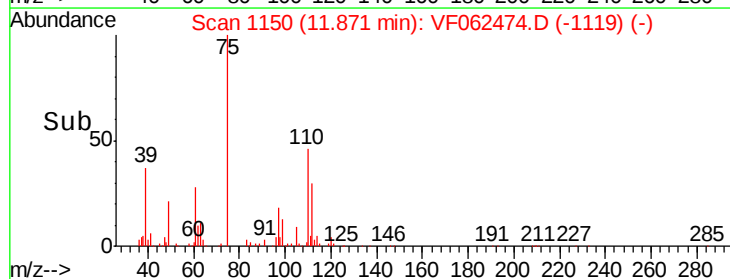
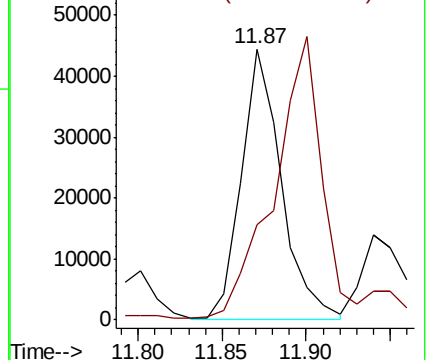
75 100

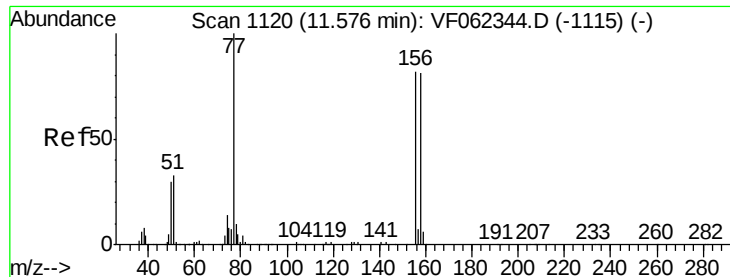
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.660 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

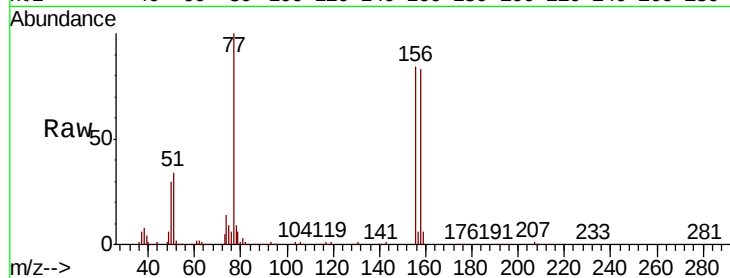
Tot Ion:156 Resp: 163216

Ion Ratio Lower Upper

156 100

77 125.8 64.8 194.3

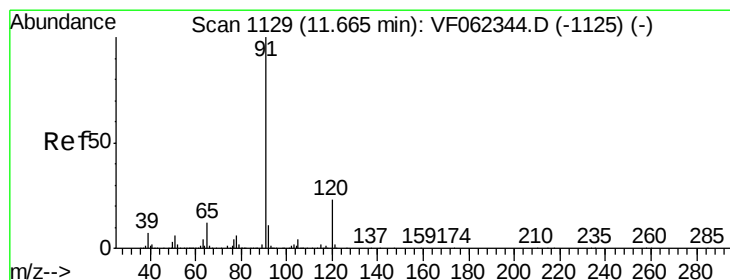
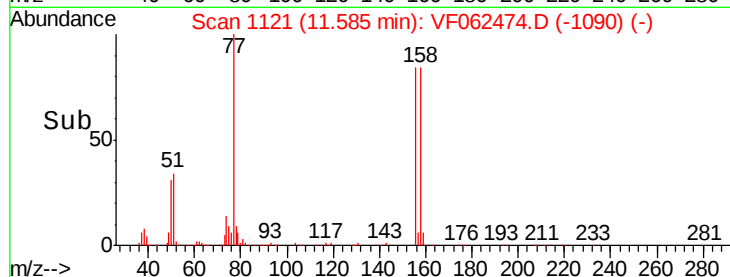
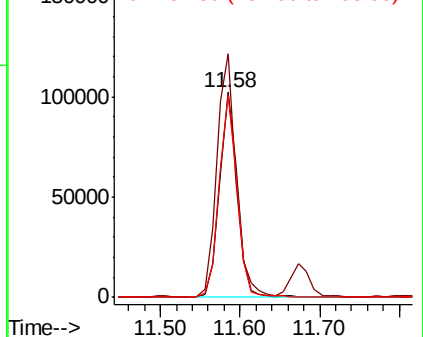
158 98.9 49.1 147.3



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



#78

n-propylbenzene

Concen: 47.181 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. 0.01 min

Lab File: VF062474.D

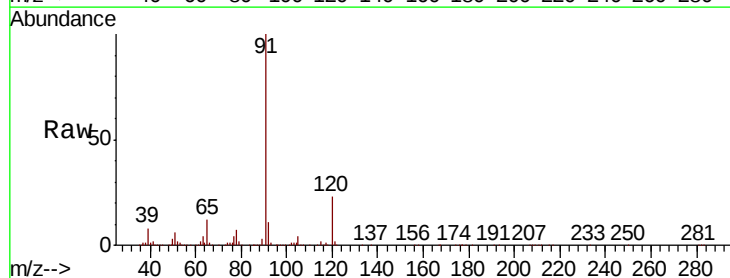
Acq: 11 May 2019 22:43

Tgt Ion: 91 Resp: 629056

Ion Ratio Lower Upper

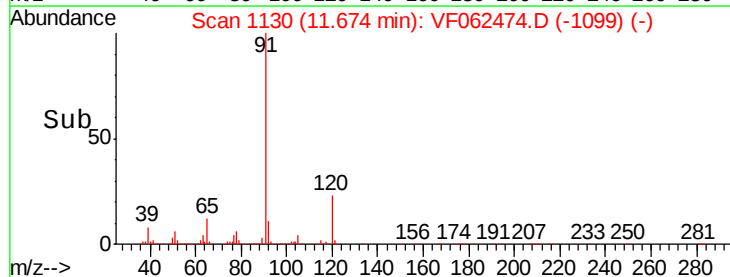
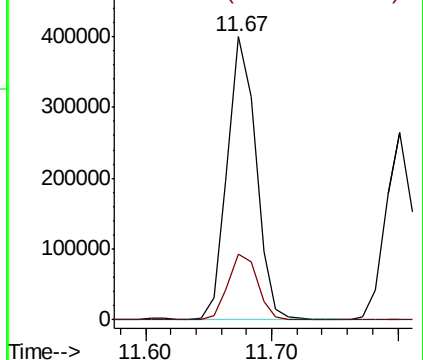
91 100

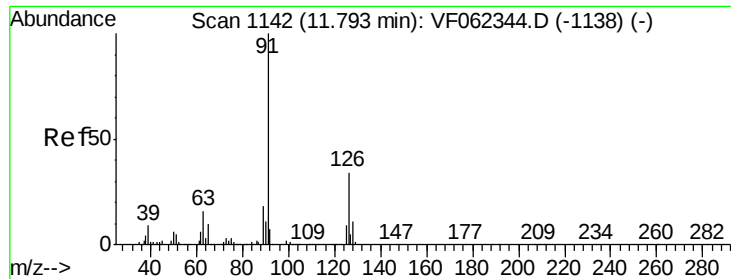
120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

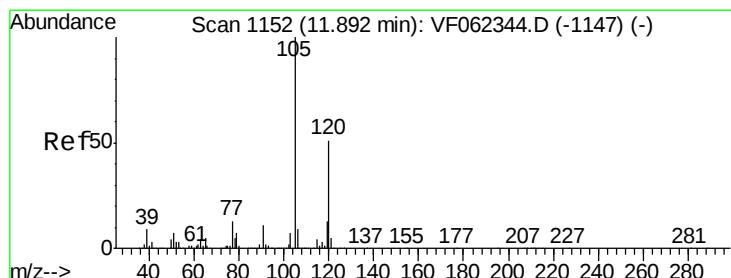
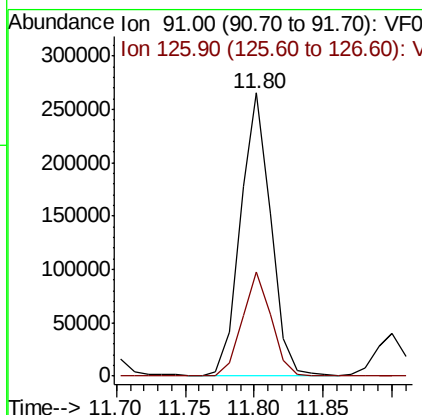
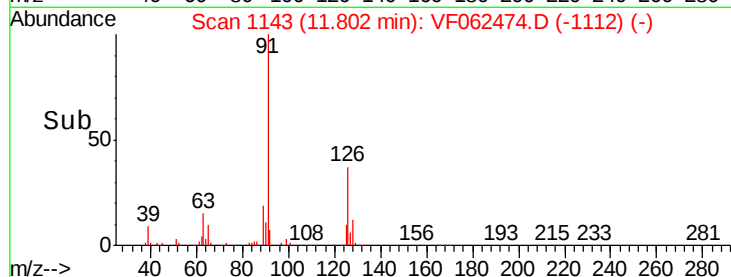
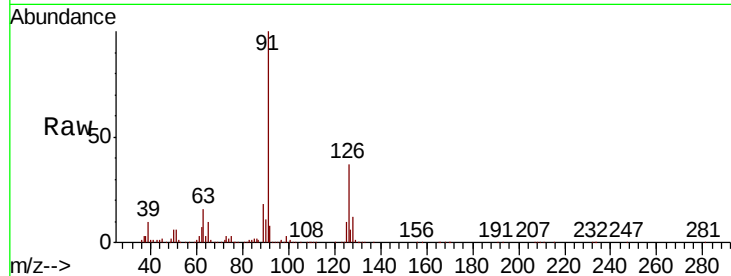




#79
 2-Chlorotoluene
 Concen: 48.671 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

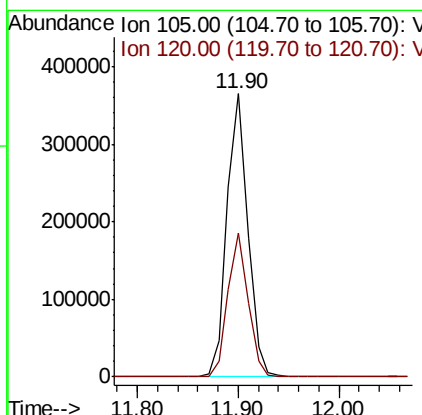
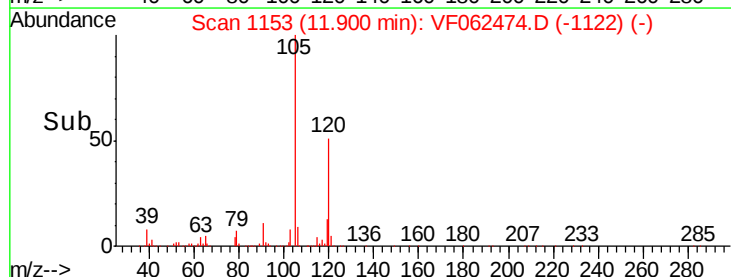
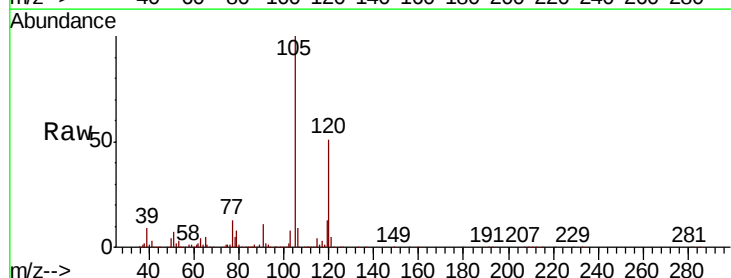
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

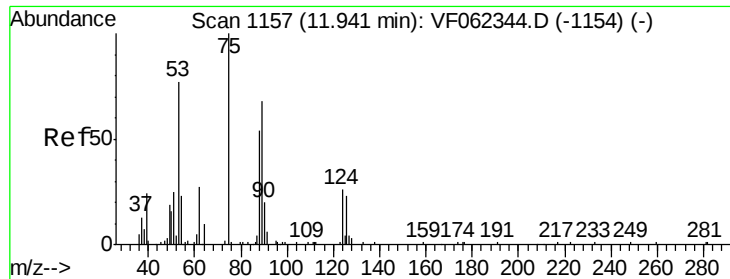
Tot Ion: 91 Resp: 403514
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 47.924 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion: 105 Resp: 526043
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 61.772 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

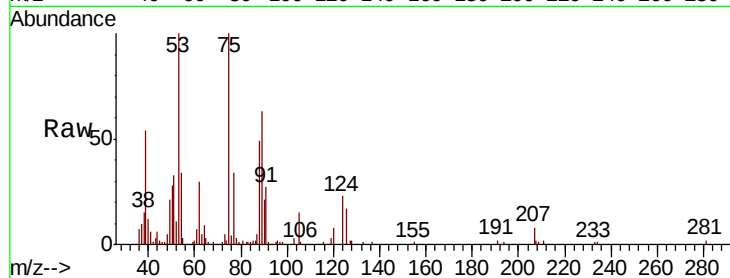
Tot Ion: 75 Resp: 34736

Ion Ratio Lower Upper

75 100

53 62.7 71.9 107.9#

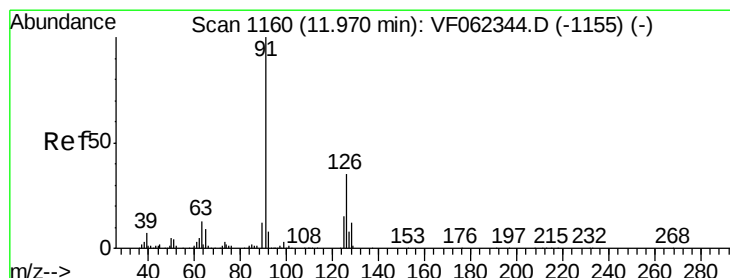
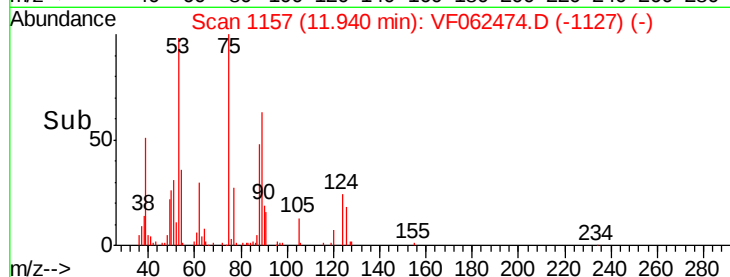
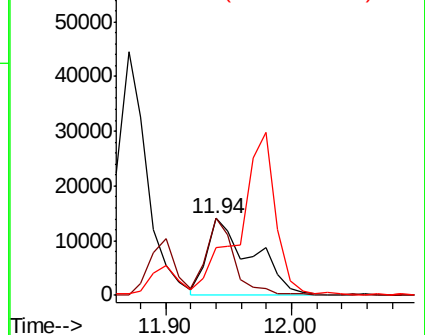
89 0.0 0.0 0.0



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: 48.362 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF062474.D

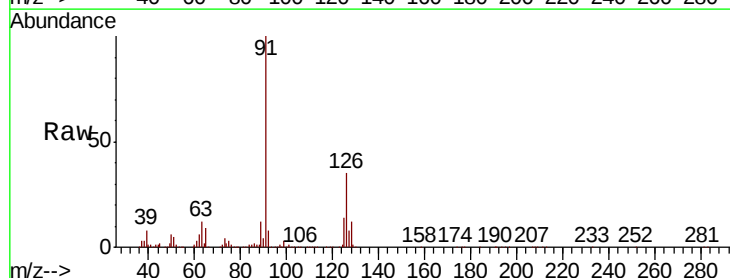
Acq: 11 May 2019 22:43

Tgt Ion: 91 Resp: 396010

Ion Ratio Lower Upper

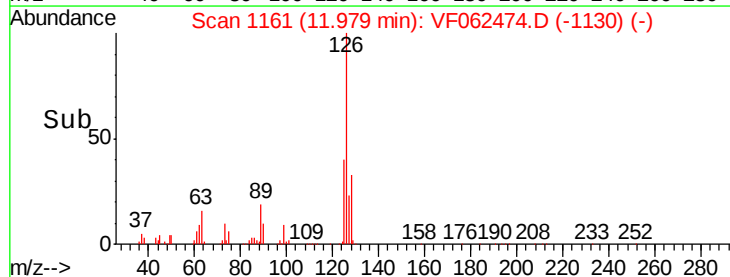
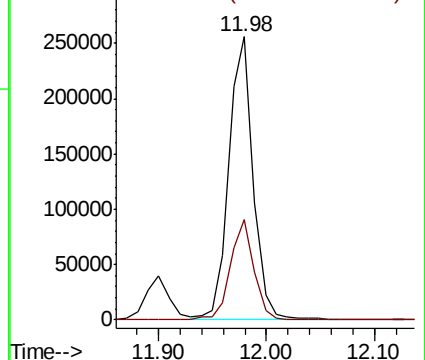
91 100

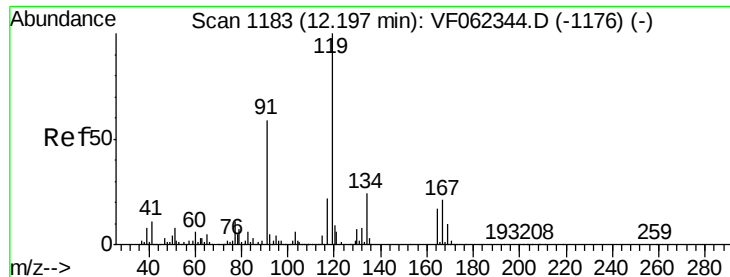
126 35.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 47.657 ug/l

RT: 12.20 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

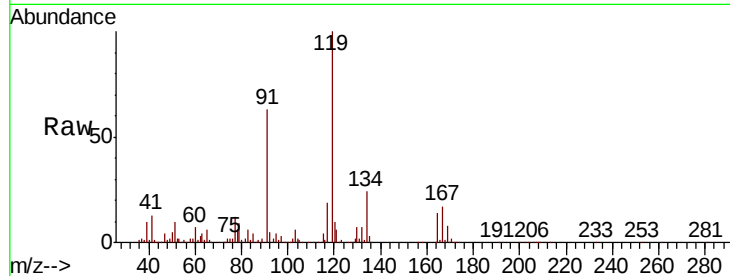
Tot Ion:119 Resp: 549753

Ion Ratio Lower Upper

119 100

91 60.6 30.4 91.3

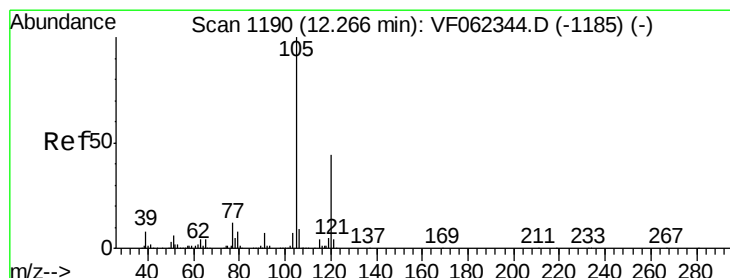
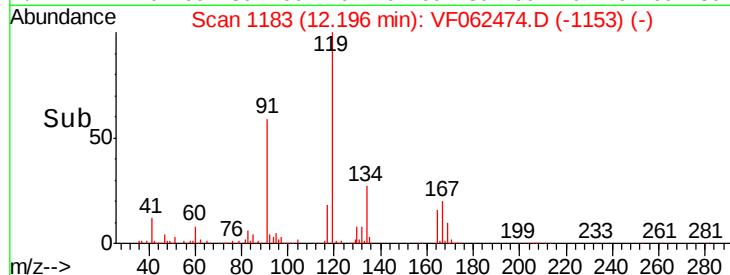
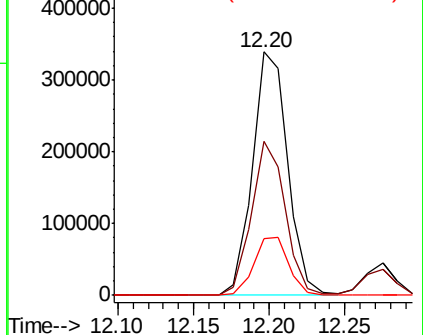
134 23.9 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.182 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. 0.01 min

Lab File: VF062474.D

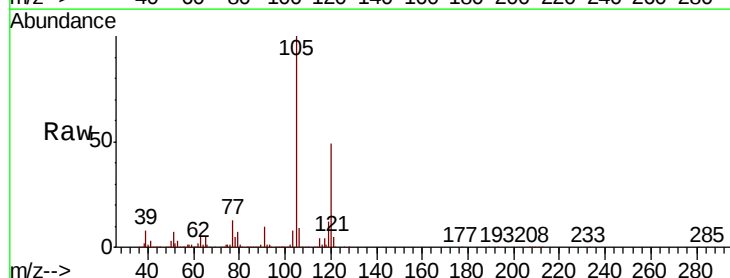
Acq: 11 May 2019 22:43

Tgt Ion:105 Resp: 517555

Ion Ratio Lower Upper

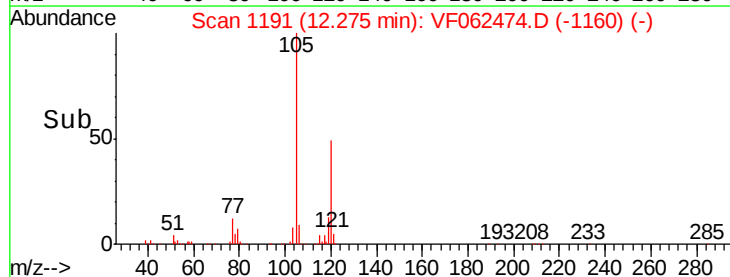
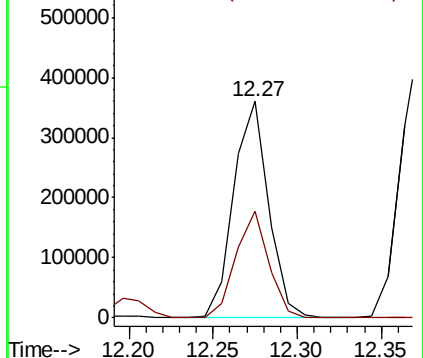
105 100

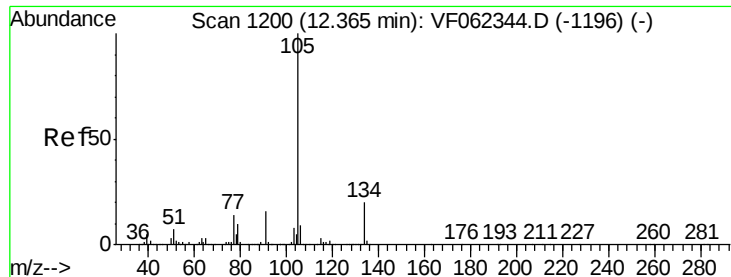
120 47.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.922 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

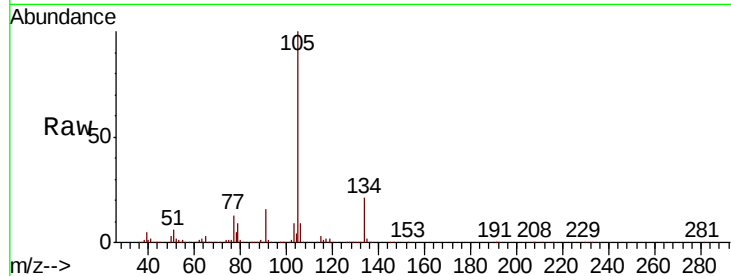
VSTDCCC050

Tot Ion:105 Resp: 686917

Ion Ratio Lower Upper

105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

500000

400000

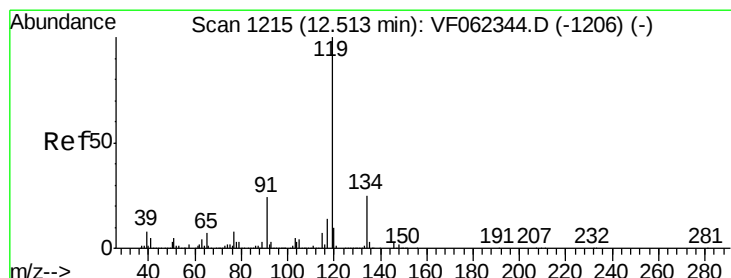
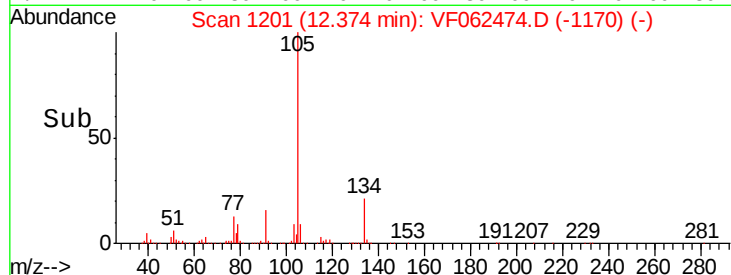
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 47.679 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

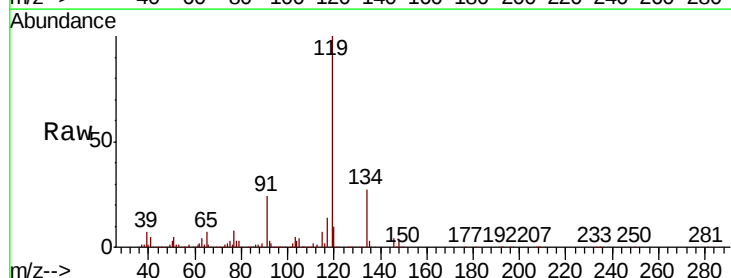
Tgt Ion:119 Resp: 621998

Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 24.3 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

600000

500000

400000

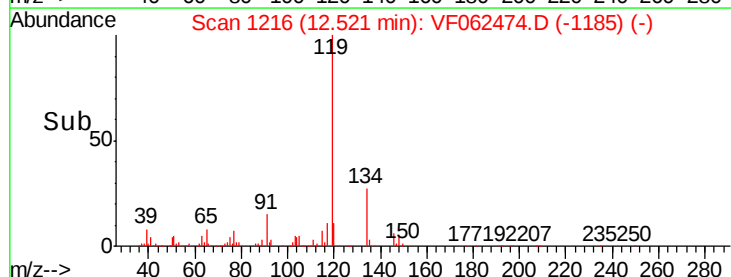
300000

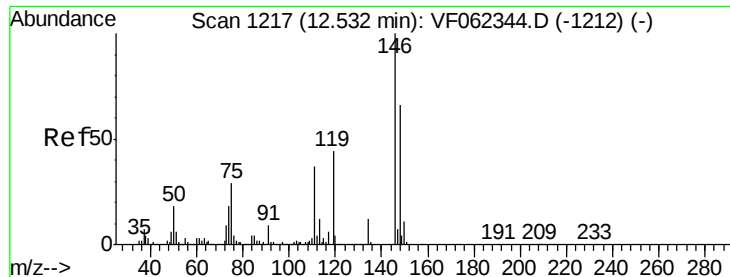
200000

100000

0

Time-->

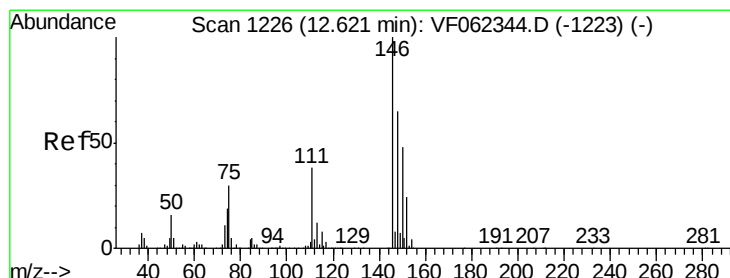
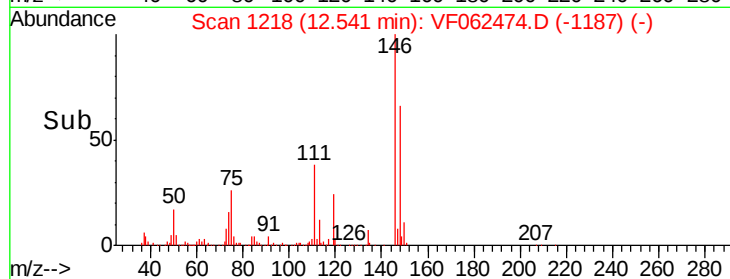
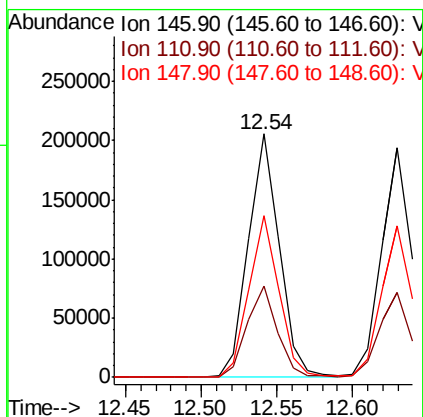
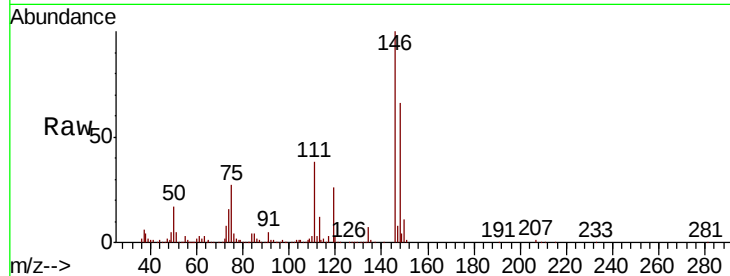




#87
 1,3-Dichlorobenzene
 Concen: 49.110 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

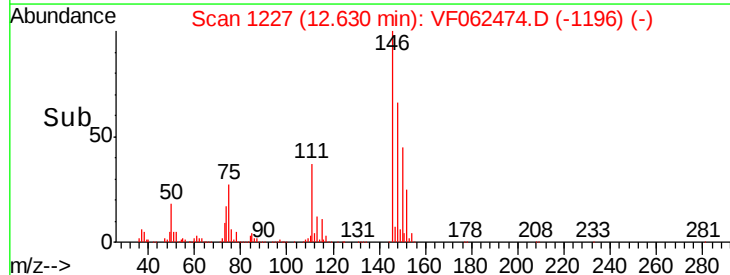
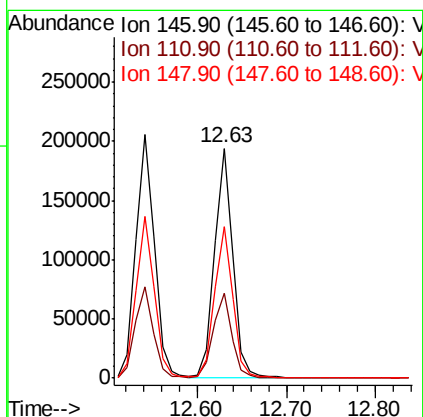
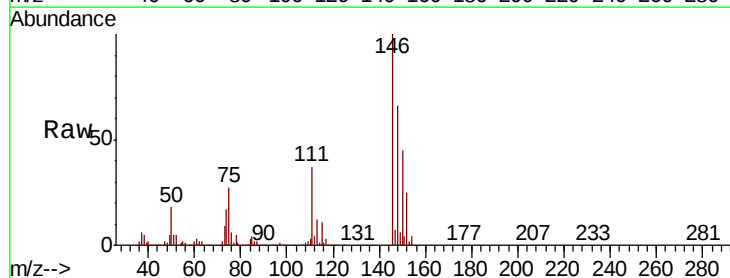
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

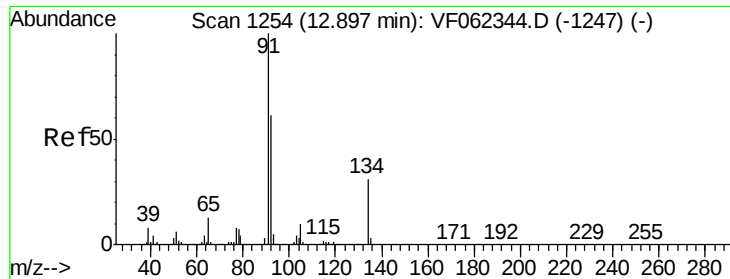
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.8
148	64.9	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 47.942 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	66.2	32.2	96.6

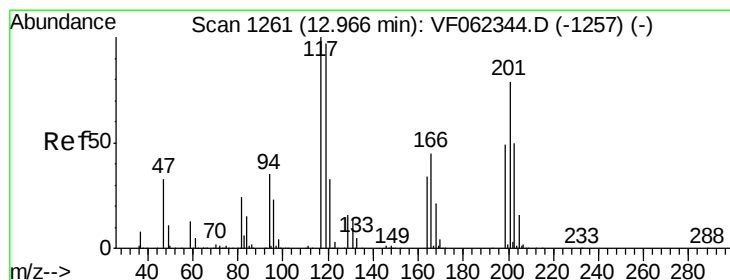
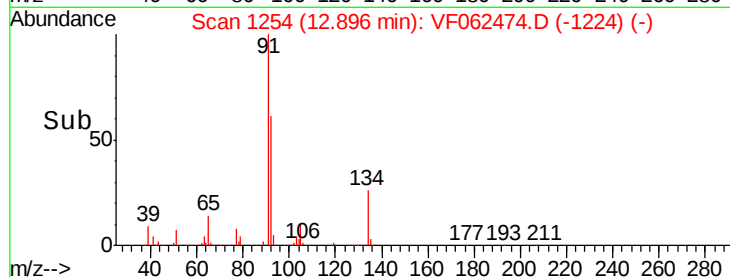
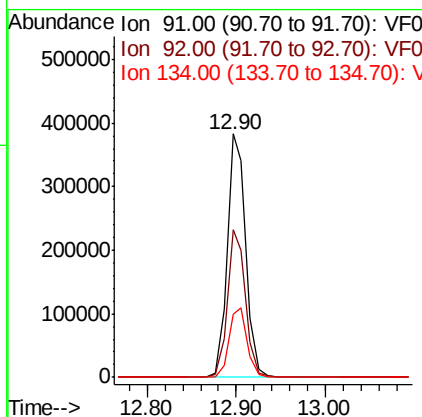
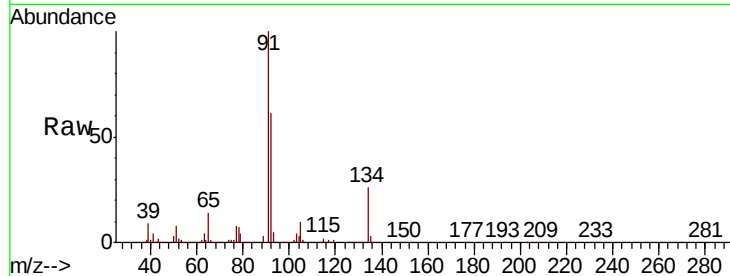




#89
n-Butylbenzene
Concen: 48.517 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

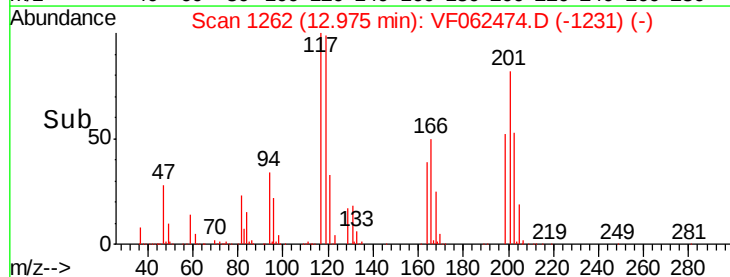
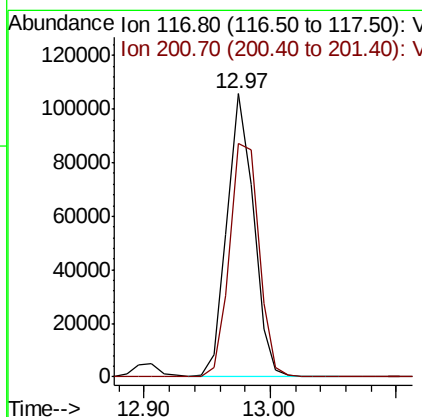
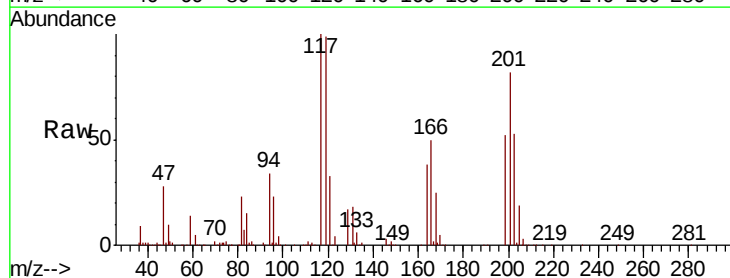
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

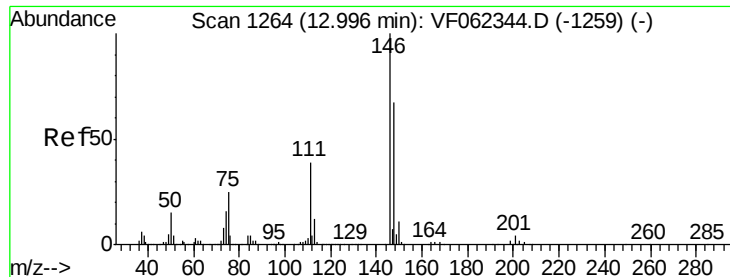
Tot Ion: 91 Resp: 563107
Ion Ratio Lower Upper
91 100
92 59.3 30.0 90.0
134 28.1 14.1 42.4



#90
Hexachloroethane
Concen: 47.469 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062474.D
Acq: 11 May 2019 22:43

Tgt Ion: 117 Resp: 154621
Ion Ratio Lower Upper
117 100
201 91.2 46.2 138.5

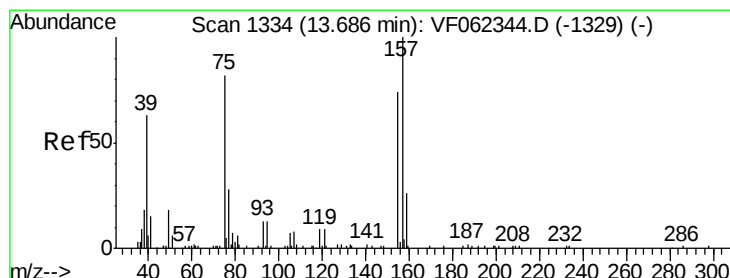
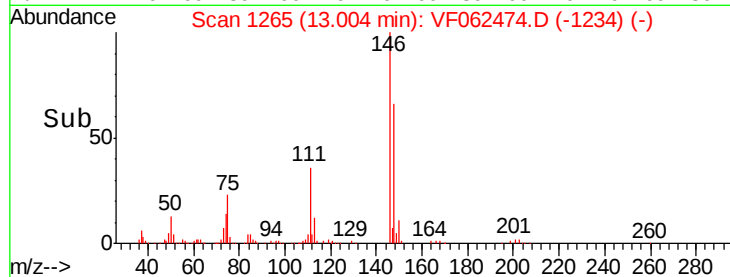
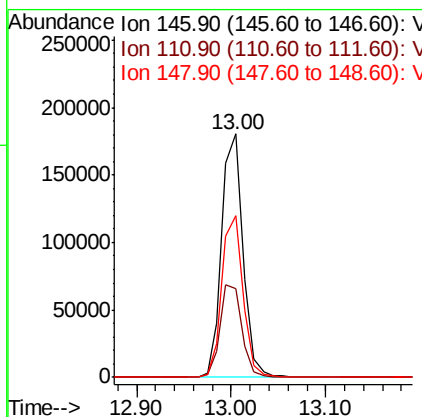
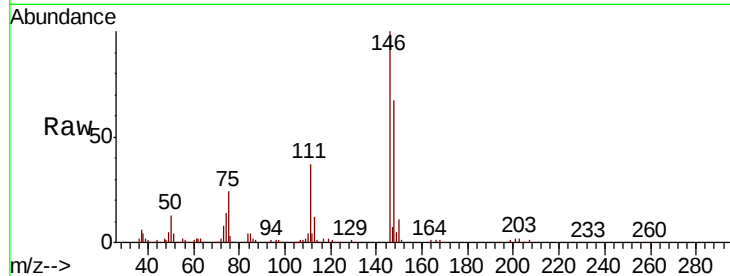




#91
 1,2-Dichlorobenzene
 Concen: 48.690 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

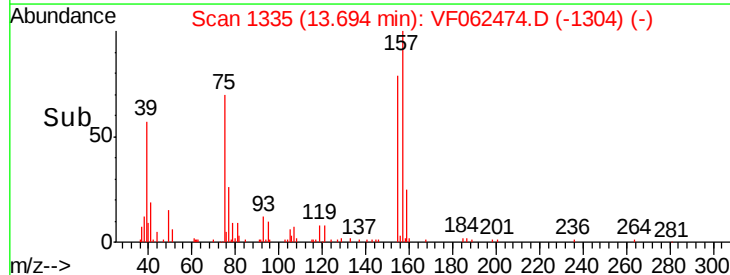
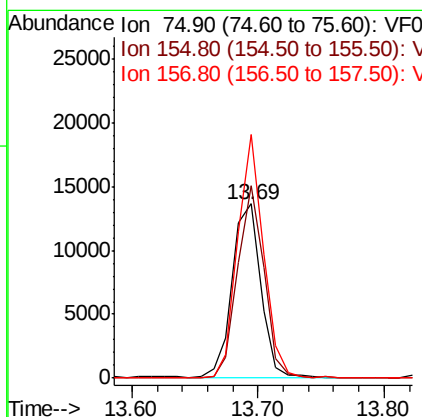
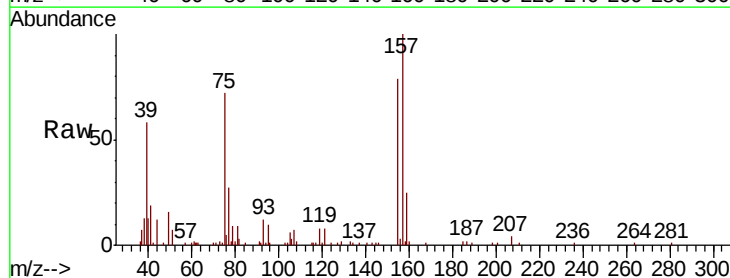
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

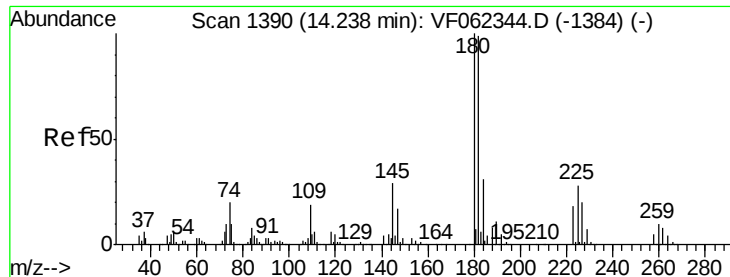
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.0	60.0
148	65.8	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.275 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	51.8	155.4
157	123.8	67.3	201.8

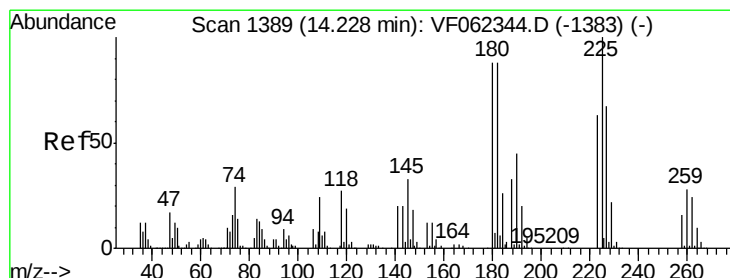
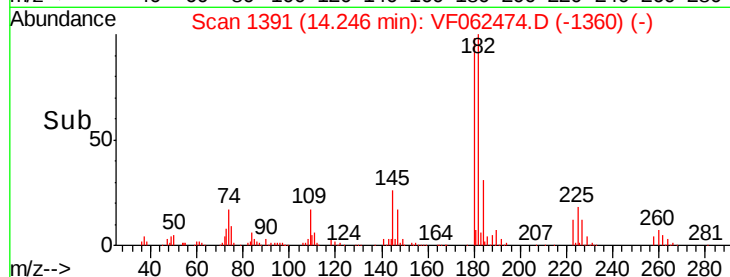
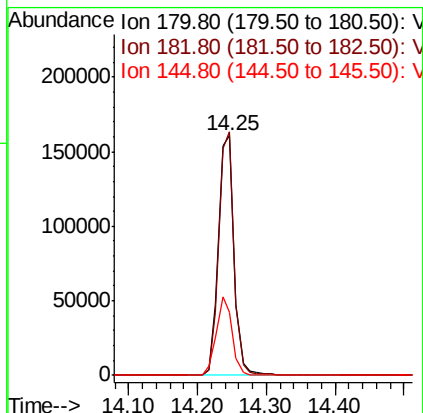
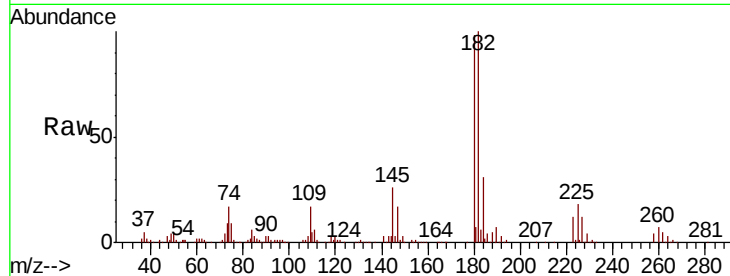




#93
 1,2,4-Trichlorobenzene
 Concen: 48.977 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

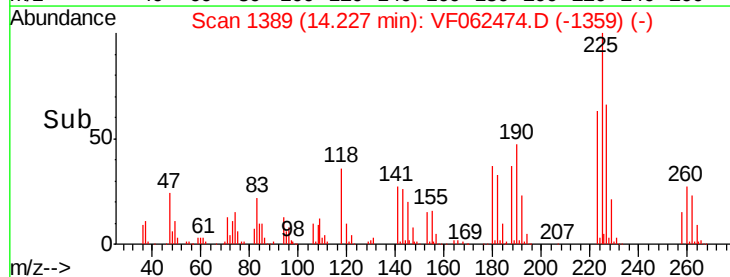
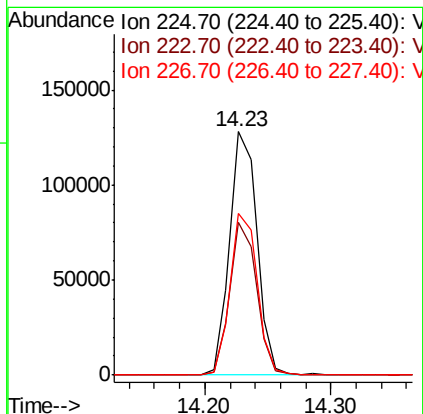
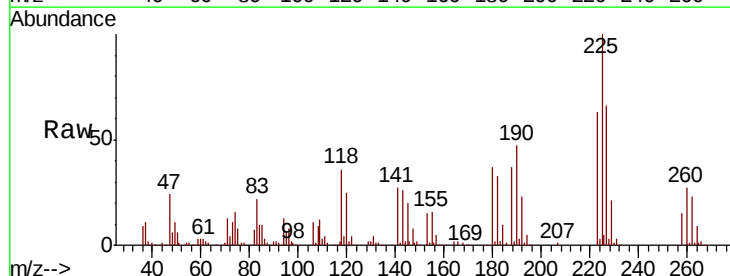
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

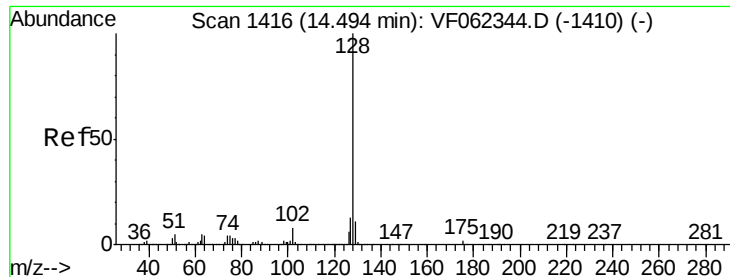
Tot Ion:180 Resp: 255233
 Ion Ratio Lower Upper
 180 100
 182 98.2 49.0 147.0
 145 32.9 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 49.429 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062474.D
 Acq: 11 May 2019 22:43

Tgt Ion:225 Resp: 191990
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.9 95.5
 227 65.9 33.1 99.5





#95

Naphthalene

Concen: 49.843 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

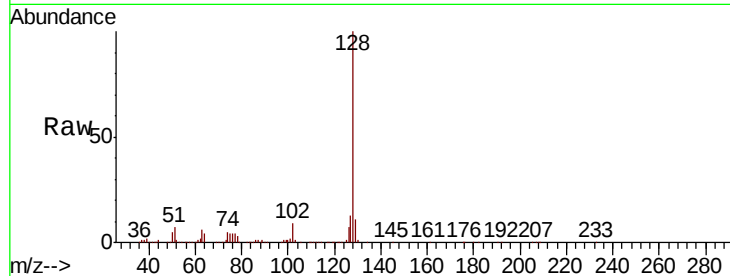
Tot Ion:128 Resp: 390508

Ion Ratio Lower Upper

128 100

127 12.6 10.5 15.7

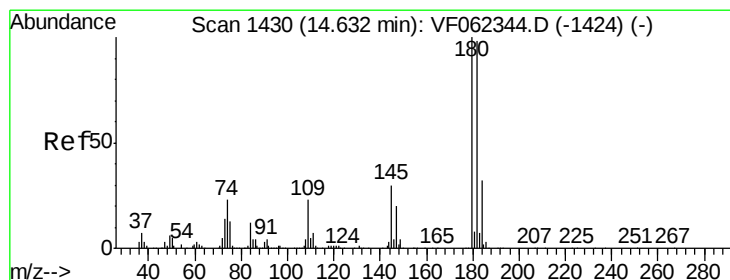
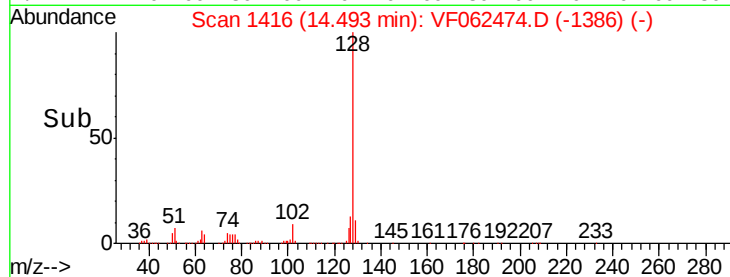
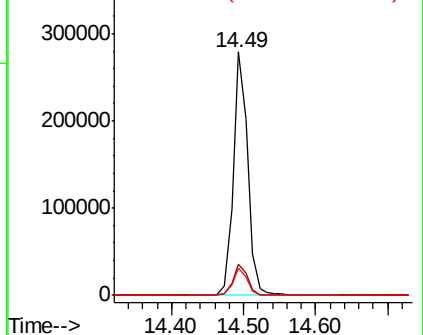
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.901 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062474.D

Acq: 11 May 2019 22:43

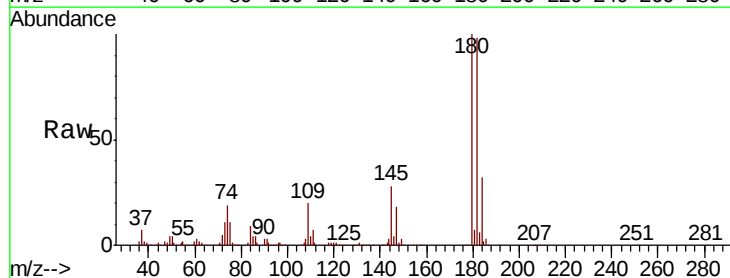
Tgt Ion:180 Resp: 251936

Ion Ratio Lower Upper

180 100

182 97.8 49.4 148.0

145 28.9 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

