

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050619\
 Data File : VF062347.D
 Acq On : 6 May 2019 21:28
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF050619

Quant Time: May 07 04:40:23 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	5.05	168	318142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	433065	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	354827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	210706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	153768	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	4.30	113	181349	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	7.71	98	437720	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.49	95	192977	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	168518	45.768	ug/l	99
3) Chloromethane	1.14	50	114762	47.259	ug/l	93
4) Vinyl Chloride	1.18	62	115296	47.600	ug/l	98
5) Bromomethane	1.39	94	98071	53.853	ug/l	98
6) Chloroethane	1.44	64	63287	51.970	ug/l	96
7) Trichlorofluoromethane	1.55	101	262296	52.192	ug/l	92
8) Diethyl Ether	1.71	74	42232	55.538	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.90	101	149294	52.034	ug/l	97
10) Methyl Iodide	1.97	142	252175	53.334	ug/l	97
11) Tert butyl alcohol	2.70	59	40053	235.713	ug/l	97
12) 1,1-Dichloroethene	1.86	96	118468	48.569	ug/l	94
13) Acrolein	2.10	56	26133	248.697	ug/l	86
14) Allyl chloride	2.20	41	193404	89.761	ug/l #	69
15) Acrylonitrile	3.09	53	87405	271.547	ug/l	95
16) Acetone	2.35	43	148264	243.772	ug/l	97
17) Carbon Disulfide	1.91	76	264437	49.721	ug/l #	94
18) Methyl Acetate	2.45	43	62210	56.493	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	274199	54.458	ug/l #	91
20) Methylene Chloride	2.33	84	113472	51.567	ug/l	95
21) trans-1,2-Dichloroethene	2.42	96	118396	50.946	ug/l	95
22) Diisopropyl ether	2.93	45	367004	54.499	ug/l	96
23) Vinyl Acetate	3.34	43	815960	271.864	ug/l	98
24) 1,1-Dichloroethane	3.01	63	220682	54.222	ug/l	97
25) 2-Butanone	4.52	43	190238	248.967	ug/l	96
26) 2,2-Dichloropropane	3.78	77	109313	48.095	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	153000	52.669	ug/l	99
28) Bromochloromethane	3.89	49	87711	47.518	ug/l	99
29) Tetrahydrofuran	4.26	42	90187	256.811	ug/l	98
30) Chloroform	4.04	83	295063	53.662	ug/l	98
31) Cyclohexane	3.87	56	159386	49.063	ug/l	97
32) 1,1,1-Trichloroethane	4.29	97	248573	52.747	ug/l	97
36) 1,1-Dichloropropene	4.47	75	183579	49.347	ug/l	98
37) Ethyl Acetate	4.30	43	85958	60.436	ug/l #	94
38) Carbon Tetrachloride	4.18	117	268156	70.641	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	181489	48.643	ug/l	97
40) Benzene	4.81	78	405508	49.500	ug/l	94
41) Methacrylonitrile	4.93	41	42082	47.176	ug/l	93
42) 1,2-Dichloroethane	5.13	62	178146	51.995	ug/l	99
43) Isopropyl Acetate	7.11	43	92408	54.611	ug/l #	99
44) Trichloroethene	5.68	130	147378	48.974	ug/l	96
45) 1,2-Dichloropropane	6.40	63	98205	52.926	ug/l	93
46) Dibromomethane	6.25	93	81937	53.259	ug/l	94
47) Bromodichloromethane	6.55	83	202364	52.611	ug/l	93
48) Methyl methacrylate	6.87	41	66743	55.814	ug/l	100
49) 1,4-Dioxane	6.87	88	13282	1081.016	ug/l	87
51) 4-Methyl-2-Pentanone	8.40	43	351958	274.496	ug/l	99
52) Toluene	7.78	92	262957	52.032	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	151591	52.108	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	178533	52.731	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	85898	53.542	ug/l	96
56) Ethyl methacrylate	8.75	69	92727	54.754	ug/l	98
57) 1,3-Dichloropropane	8.99	76	129513	53.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	120454	236.579	ug/l	94
59) 2-Hexanone	9.61	43	241424	272.251	ug/l	94
60) Dibromochloromethane	8.85	129	142622	54.355	ug/l	99
61) 1,2-Dibromoethane	9.13	107	99889	52.975	ug/l	100
64) Tetrachloroethene	8.30	164	153577	53.314	ug/l	97
65) Chlorobenzene	9.93	112	309299	52.684	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	142927	48.259	ug/l	98
67) Ethyl Benzene	10.03	91	531828	51.733	ug/l	98
68) m/p-Xylenes	10.25	106	393928	103.855	ug/l	98
69) o-Xylene	10.81	106	221105	53.945	ug/l	96
70) Styrene	10.88	104	319319	51.983	ug/l	99
71) Bromoform	10.87	173	84389	52.010	ug/l #	96
73) Isopropylbenzene	11.21	105	682191	54.613	ug/l	99
74) N-amyl acetate	11.44	43	150684	56.189	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	107786	55.109	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	81544	54.647	ug/l #	100
77) Bromobenzene	11.57	156	174286	53.163	ug/l	97
78) n-propylbenzene	11.67	91	675869	50.821	ug/l	99
79) 2-Chlorotoluene	11.79	91	436185	52.745	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	576025	52.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	41486	73.964	ug/l #	72
82) 4-Chlorotoluene	11.97	91	426895	52.266	ug/l	99
83) tert-Butylbenzene	12.19	119	597624	51.938	ug/l	100
84) 1,2,4-Trimethylbenzene	12.26	105	552454	51.561	ug/l	98
85) sec-Butylbenzene	12.36	105	728636	52.025	ug/l	99
86) p-Isopropyltoluene	12.52	119	656336	50.439	ug/l	100
87) 1,3-Dichlorobenzene	12.53	146	302915	50.592	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	291471	50.438	ug/l	98
89) n-Butylbenzene	12.89	91	586384	50.651	ug/l	99
90) Hexachloroethane	12.97	117	170727	52.547	ug/l	98
91) 1,2-Dichlorobenzene	12.99	146	302970	52.279	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.68	75	23903	54.552	ug/l	91

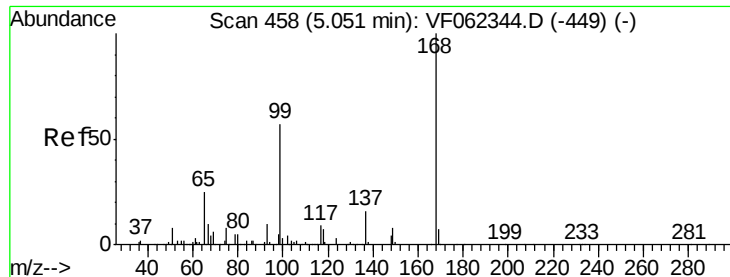
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF050619\
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	266284	51.227	ug/l	98
94) Hexachlorobutadiene	14.22	225	206432	53.282	ug/l	97
95) Naphthalene	14.49	128	434524	55.602	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	266122	52.845	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

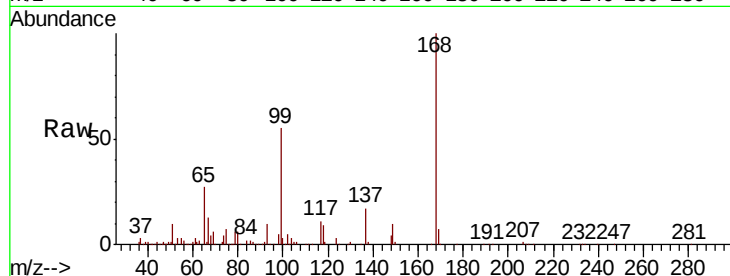
ICVVF050619

Tot Ion:168 Resp: 318142

Ion Ratio Lower Upper

168 100

99 54.5 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

5.05

120000

100000

80000

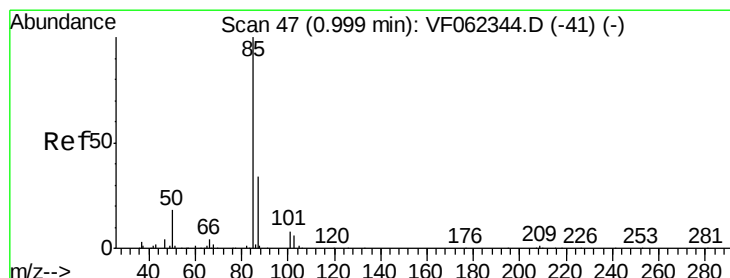
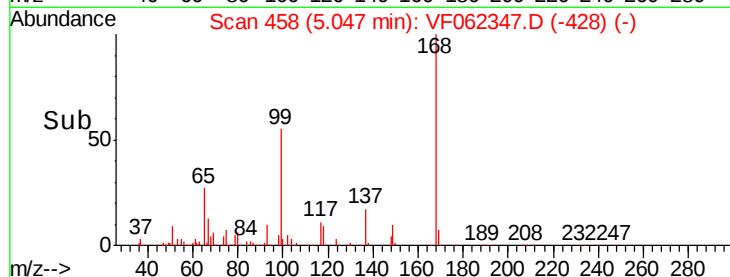
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.768 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF062347.D

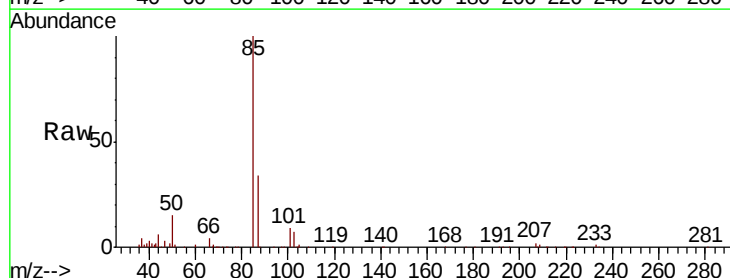
Acq: 6 May 2019 21:28

Tgt Ion: 85 Resp: 168518

Ion Ratio Lower Upper

85 100

87 34.2 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

50000

40000

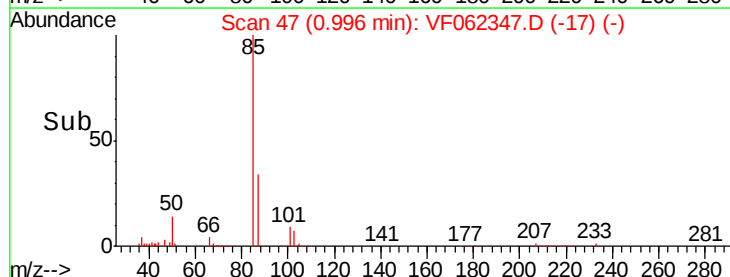
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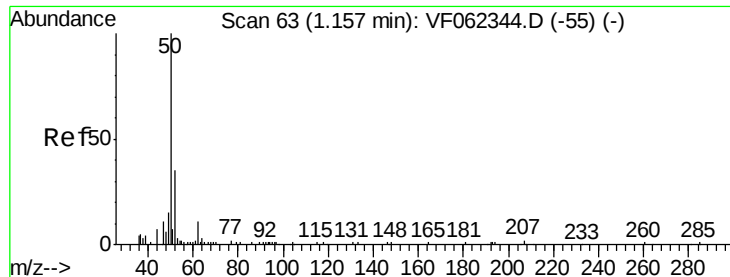
20000

10000

0

Time-->





#3

Chloromethane

Concen: 47.259 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

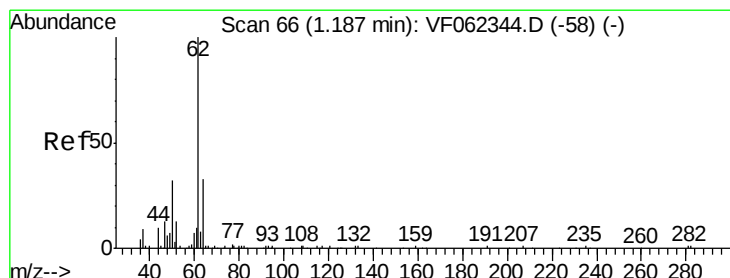
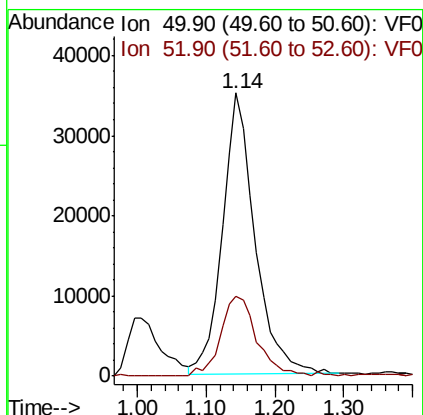
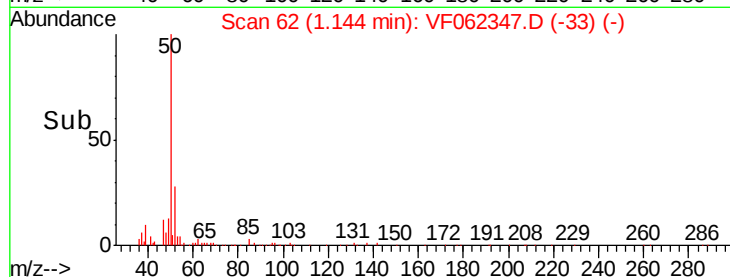
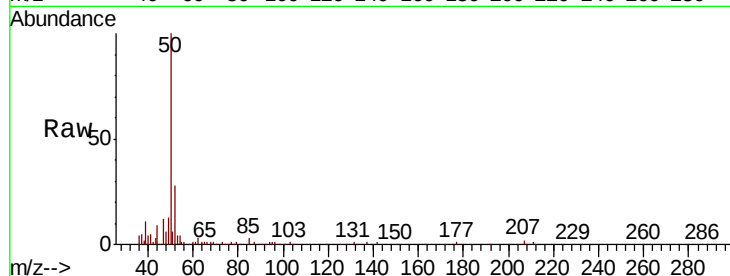
ICVVF050619

Tot Ion: 50 Resp: 114762

Ion Ratio Lower Upper

50 100

52 28.6 26.1 39.1



#4

Vinyl Chloride

Concen: 47.600 ug/l

RT: 1.18 min Scan# 66

Delta R.T. -0.00 min

Lab File: VF062347.D

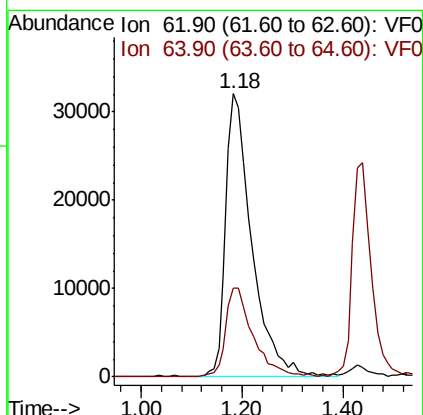
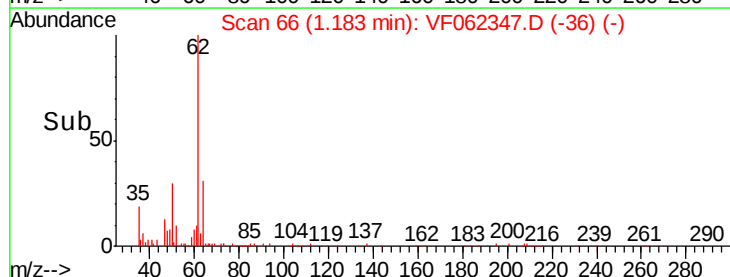
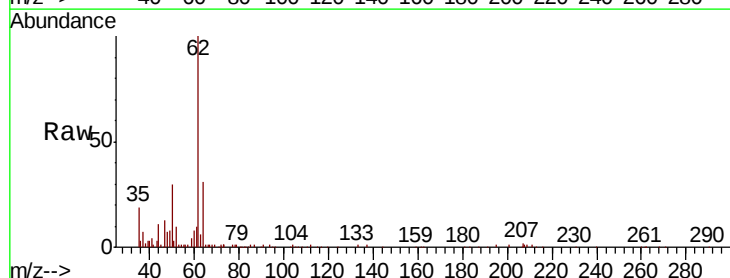
Acq: 6 May 2019 21:28

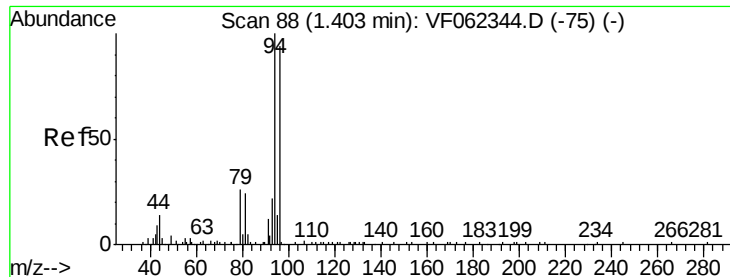
Tgt Ion: 62 Resp: 115296

Ion Ratio Lower Upper

62 100

64 31.5 26.1 39.1





#5

Bromomethane

Concen: 53.853 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

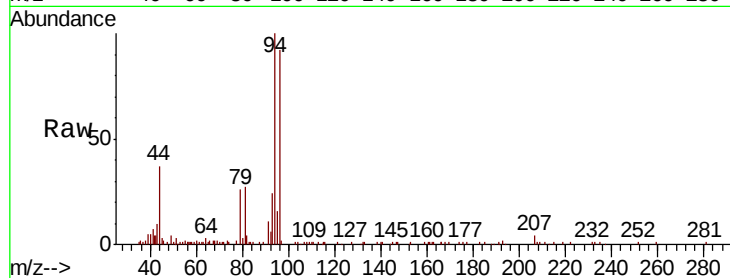
ICVVF050619

Tot Ion: 94 Resp: 98071

Ion Ratio Lower Upper

94 100

96 92.2 75.4 113.2



Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0

1.39

25000

20000

15000

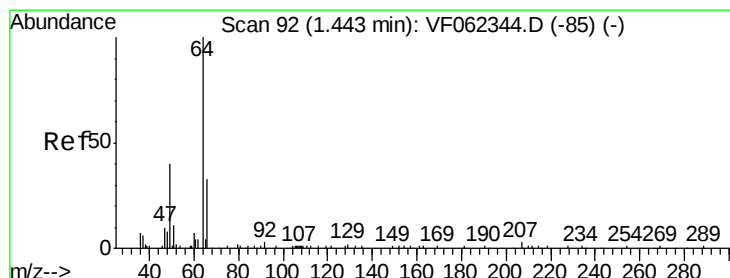
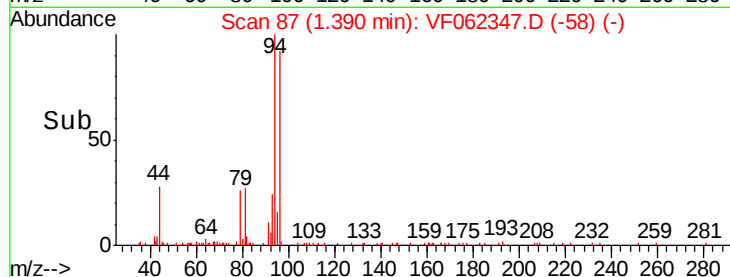
10000

5000

0

Time-->

1.20 1.30 1.40 1.50 1.60



#6

Chloroethane

Concen: 51.970 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062347.D

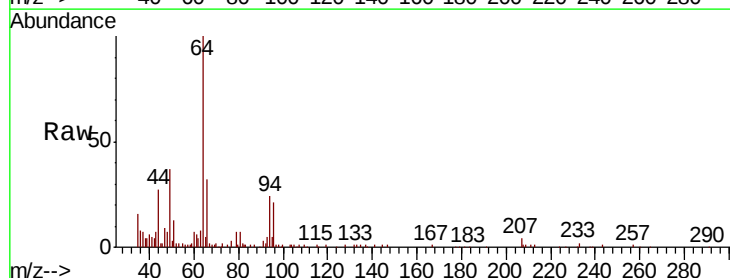
Acq: 6 May 2019 21:28

Tgt Ion: 64 Resp: 63287

Ion Ratio Lower Upper

64 100

66 31.0 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0

1.44

25000

20000

15000

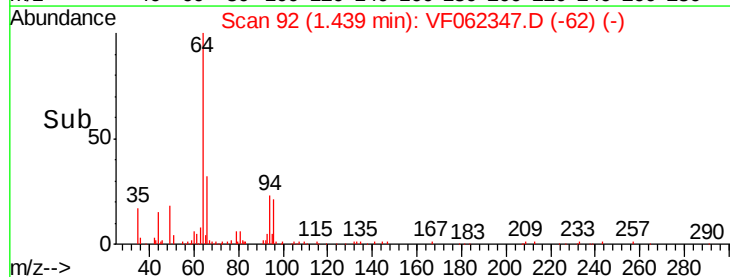
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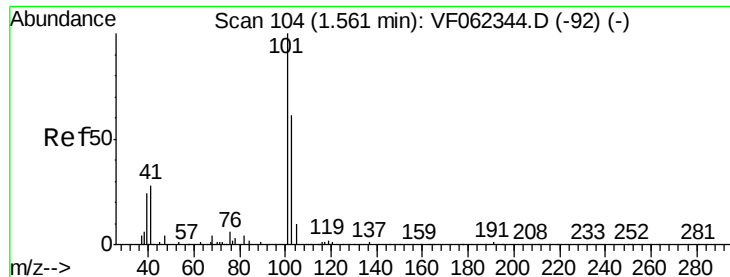
5000

0

Time-->

1.30 1.40 1.50 1.60



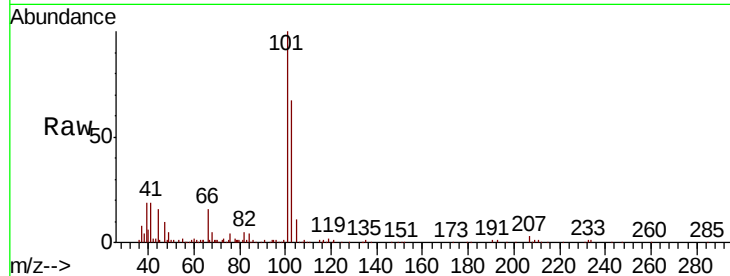


#7

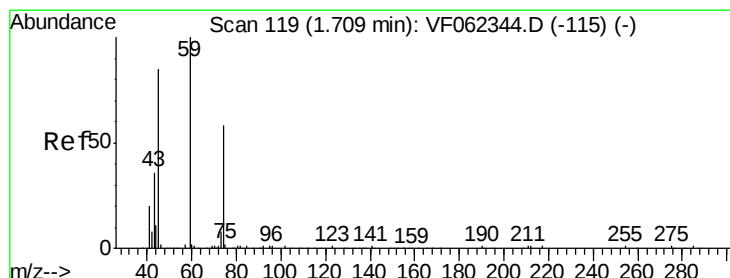
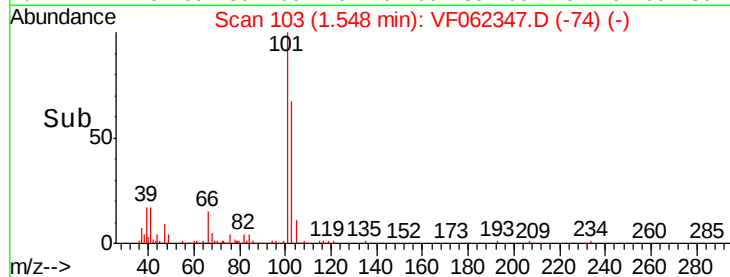
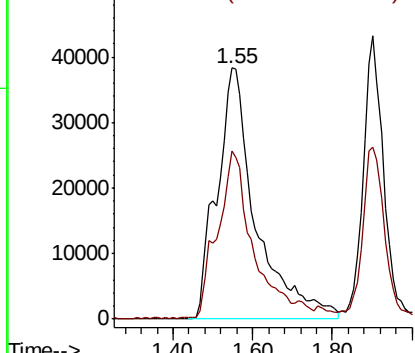
Trichlorofluoromethane
Concen: 52.192 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

Tot Ion:101 Resp: 262296
Ion Ratio Lower Upper
101 100
103 66.3 48.5 72.7



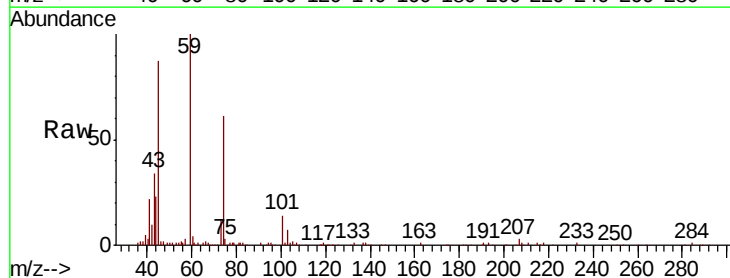
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



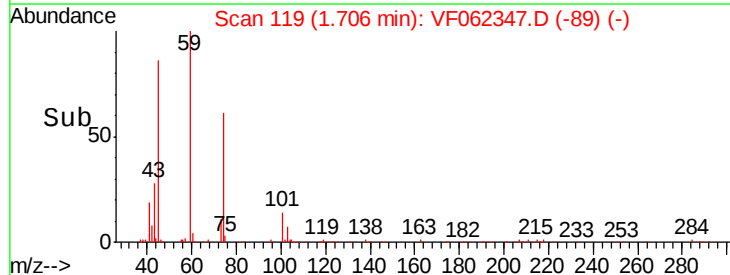
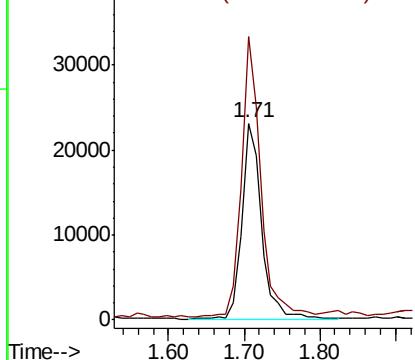
#8

Diethyl Ether
Concen: 55.538 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 74 Resp: 42232
Ion Ratio Lower Upper
74 100
45 137.9 73.9 221.6



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.034 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

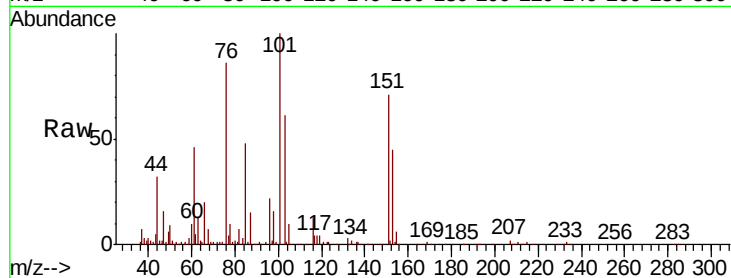
Tot Ion:101 Resp: 149294

Ion Ratio Lower Upper

101 100

85 47.6 39.5 59.3

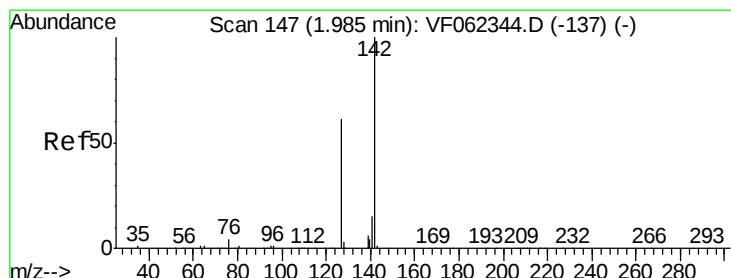
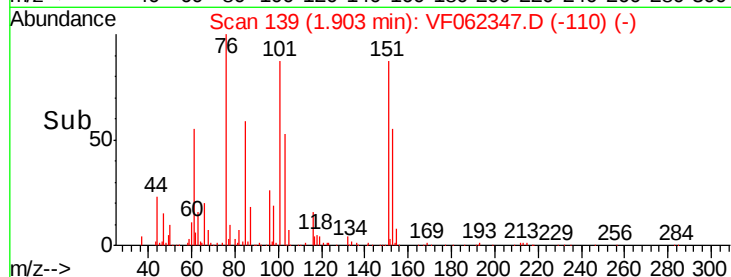
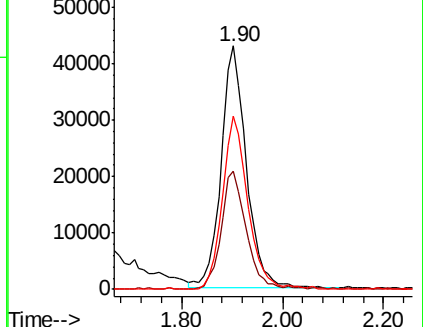
151 72.2 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.334 ug/l

RT: 1.97 min Scan# 146

Delta R.T. -0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

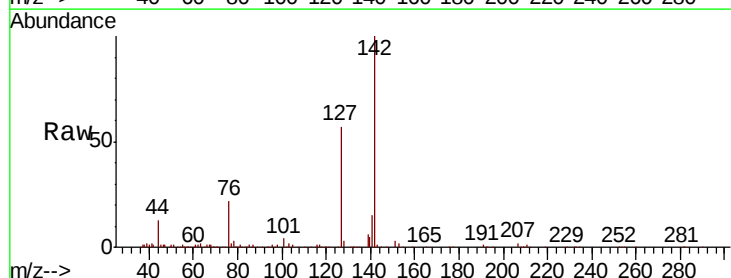
Tgt Ion:142 Resp: 252175

Ion Ratio Lower Upper

142 100

127 57.6 48.4 72.6

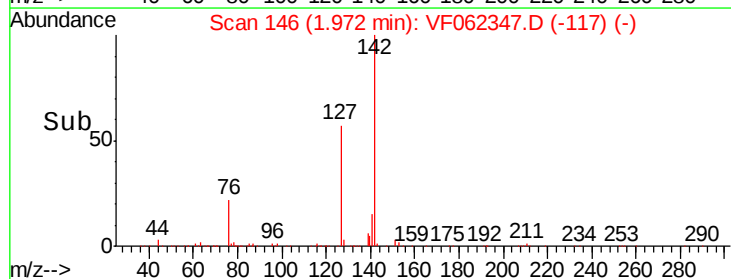
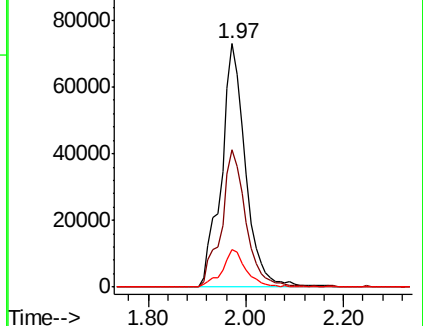
141 15.5 12.2 18.4

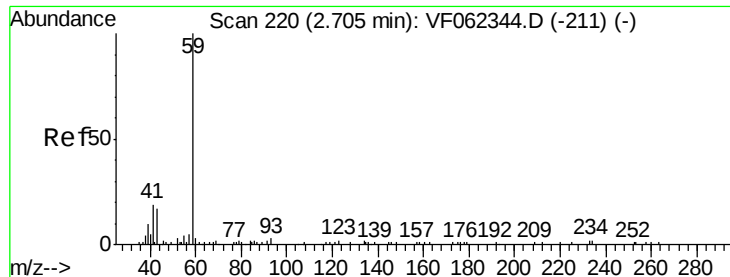


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



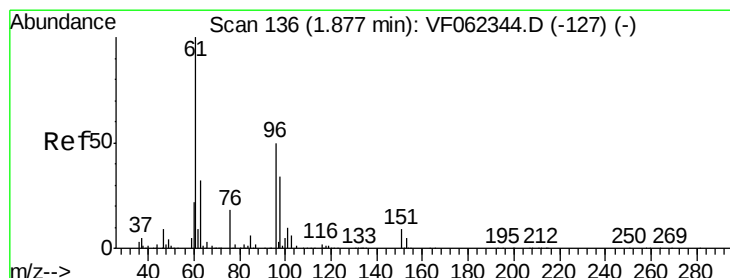
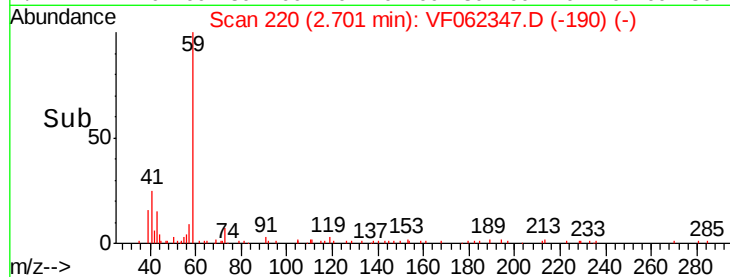
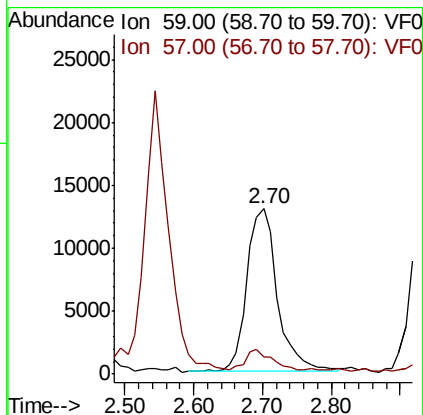
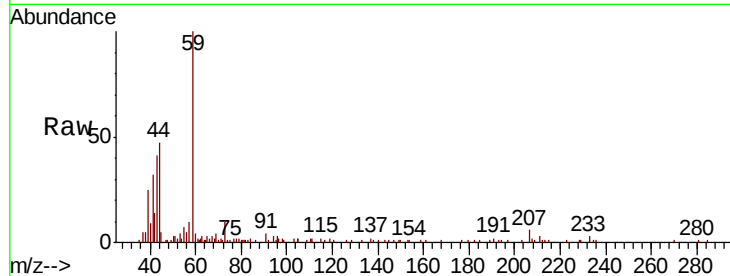


#11

Tert butyl alcohol
 Concen: 235.713 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF050619

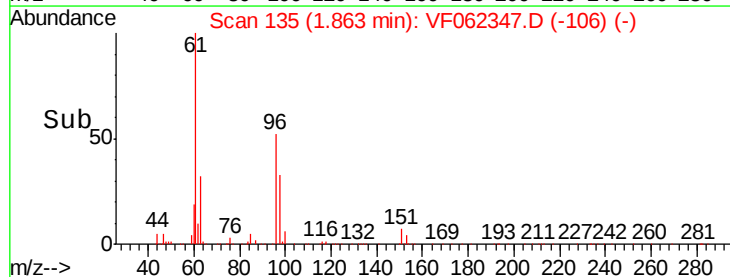
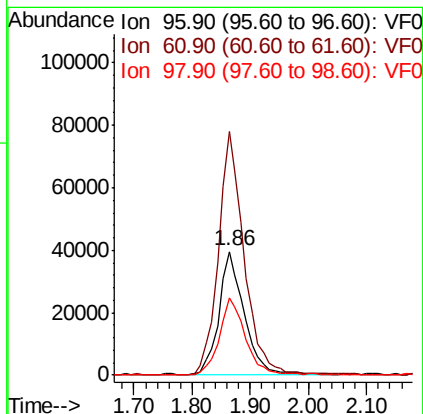
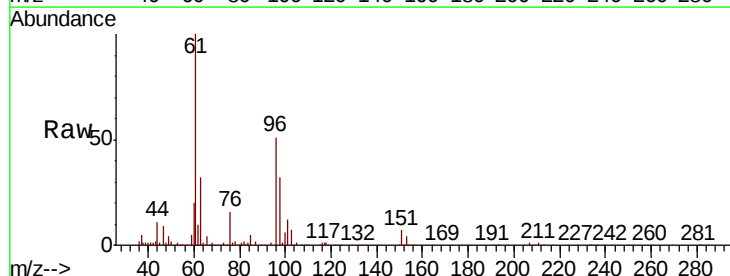
Tot Ion: 59 Resp: 40053
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.3 13.9

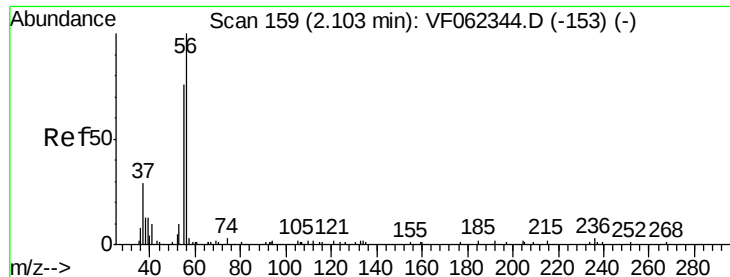


#12

1,1-Dichloroethene
 Concen: 48.569 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Tgt Ion: 96 Resp: 118468
 Ion Ratio Lower Upper
 96 100
 61 197.0 163.2 244.8
 98 62.1 55.2 82.8

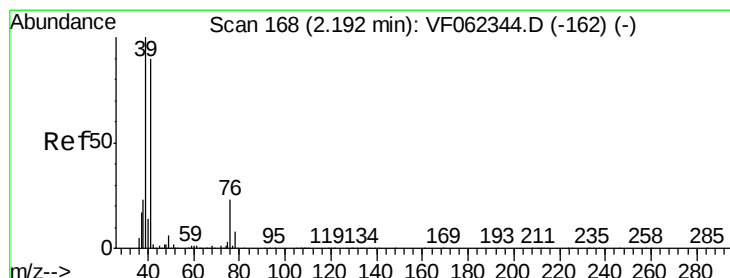
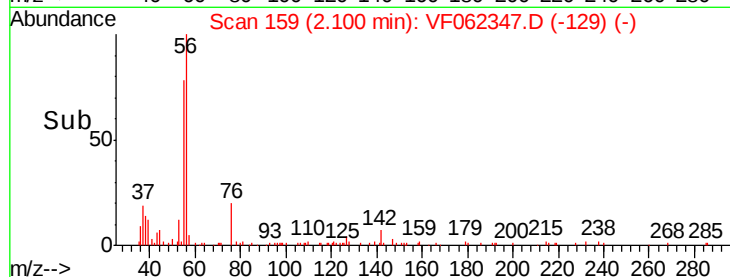
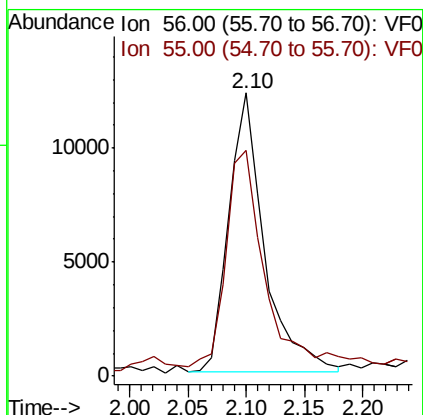
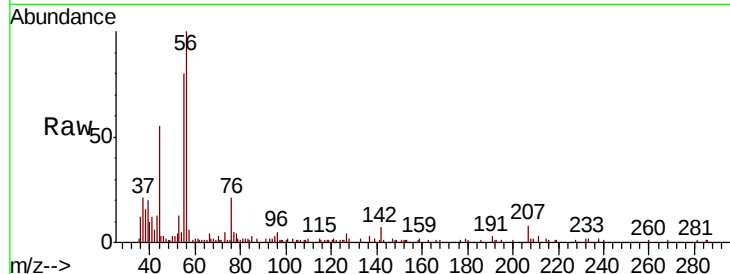




#13
Acrolein
Concen: 248.697 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

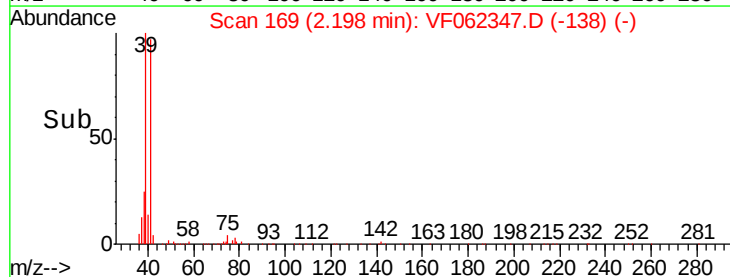
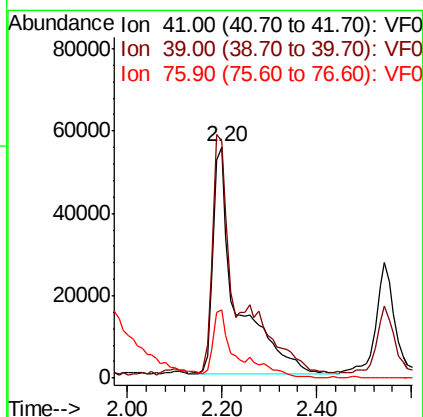
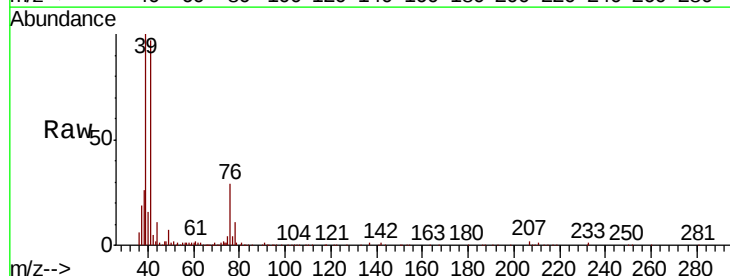
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

Tot Ion: 56 Resp: 26133
Ion Ratio Lower Upper
56 100
55 85.1 58.4 87.6



#14
Allyl chloride
Concen: 89.761 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 41 Resp: 193404
Ion Ratio Lower Upper
41 100
39 76.2 90.8 136.2#
76 18.9 22.2 33.4#





#15

Acrylonitrile

Concen: 271.547 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

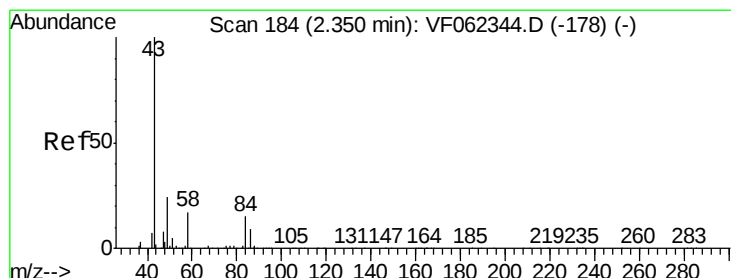
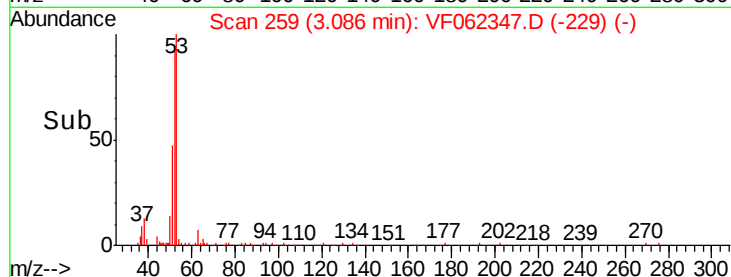
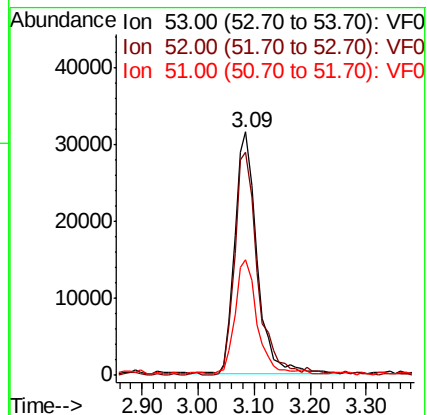
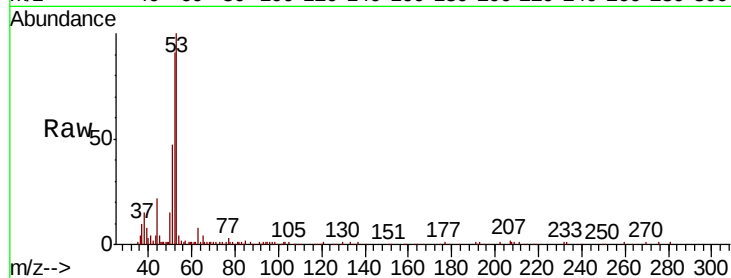
MSVOA_F

ClientSampleId :

ICVVF050619

Tot Ion: 53 Resp: 87405

Ion	Ratio	Lower	Upper
53	100		
52	93.6	77.2	115.8
51	45.6	40.6	61.0



#16

Acetone

Concen: 243.772 ug/l

RT: 2.35 min Scan# 184

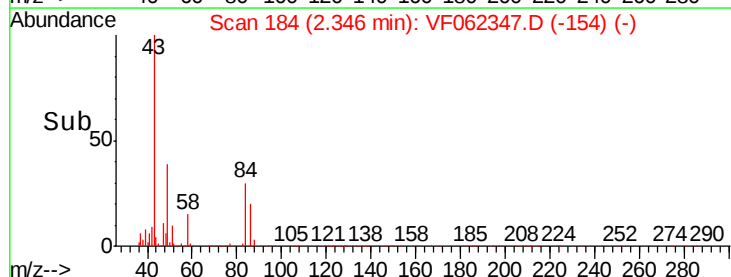
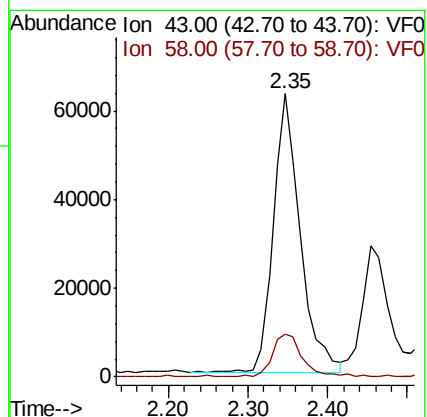
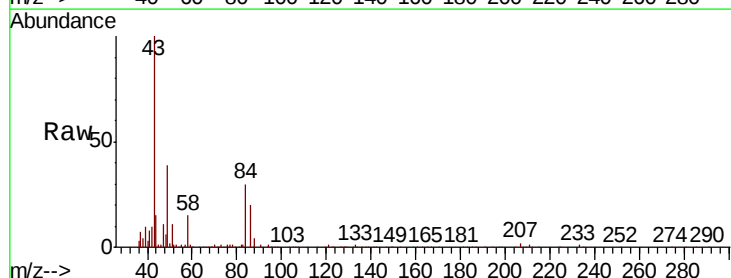
Delta R.T. -0.00 min

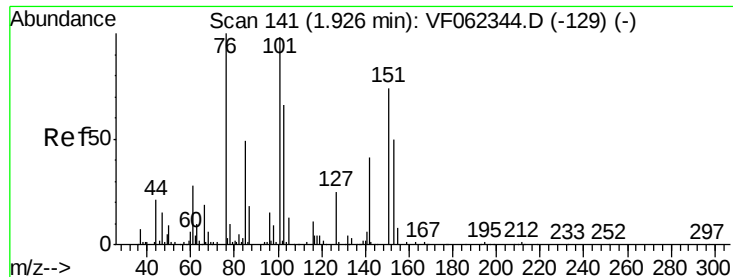
Lab File: VF062347.D

Acq: 6 May 2019 21:28

Tgt Ion: 43 Resp: 148264

Ion	Ratio	Lower	Upper
43	100		
58	15.0	13.1	19.7

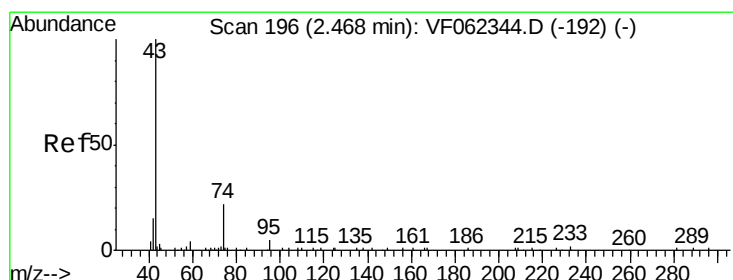
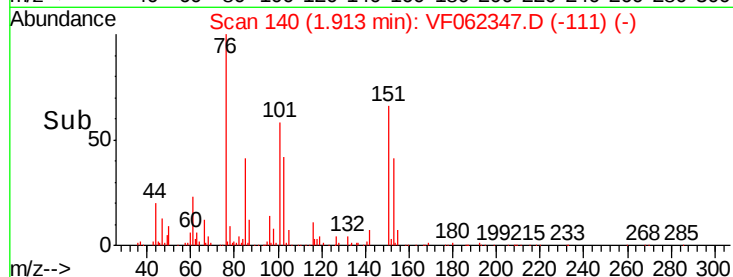
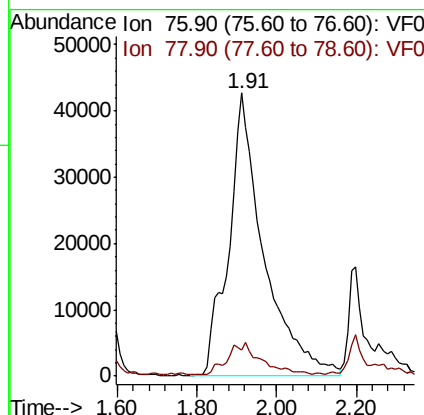
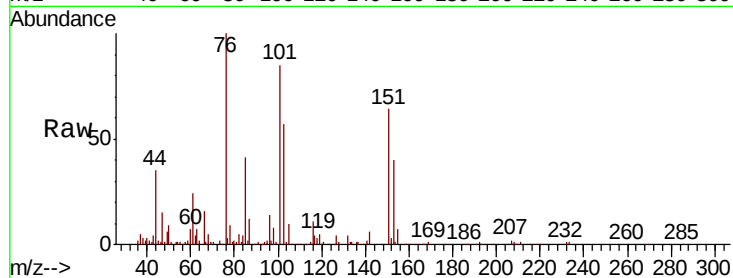




#17
Carbon Disulfide
Concen: 49.721 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

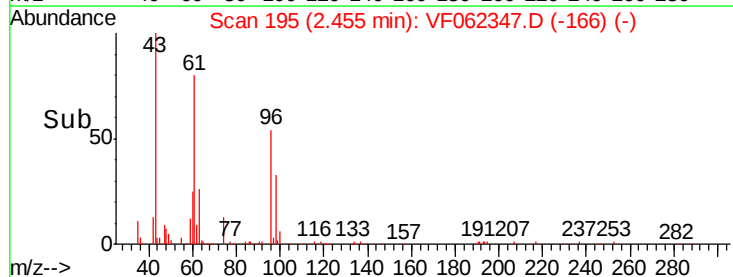
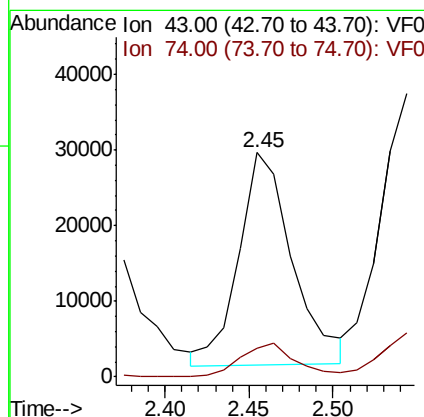
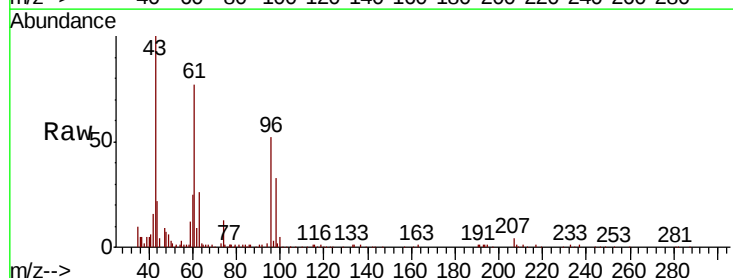
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

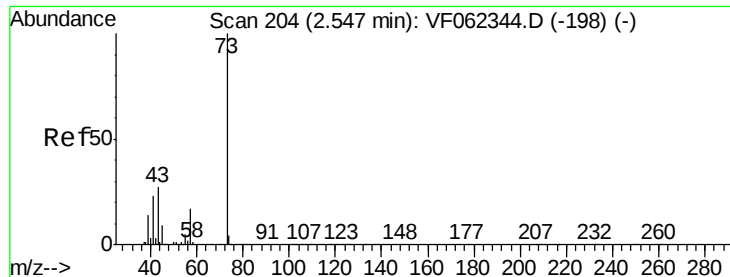
Tot Ion: 76 Resp: 264437
Ion Ratio Lower Upper
76 100
78 8.9 9.0 13.4#



#18
Methyl Acetate
Concen: 56.493 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 43 Resp: 62210
Ion Ratio Lower Upper
43 100
74 16.7 15.0 22.4



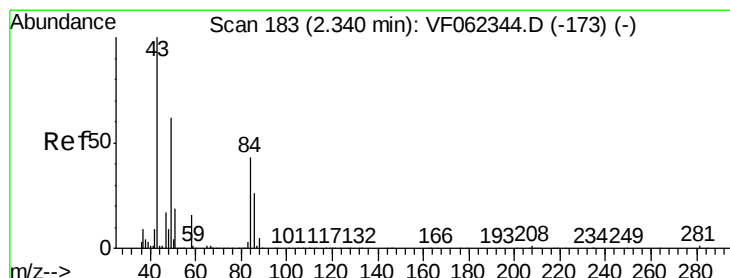
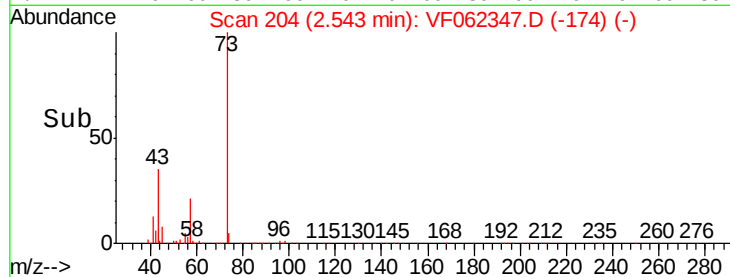
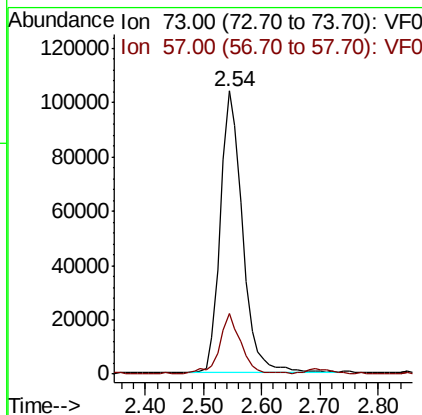
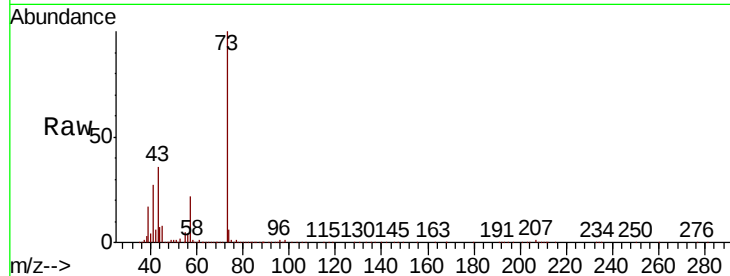


#19

Methyl tert-butyl Ether
 Concen: 54.458 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF050619

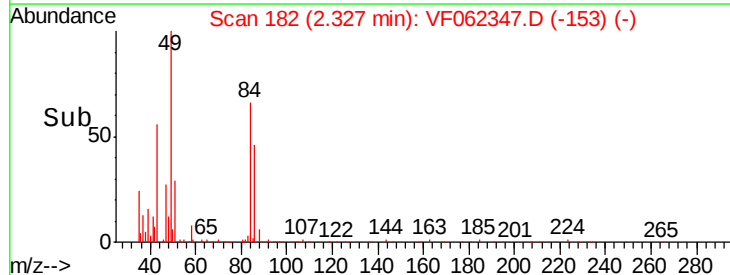
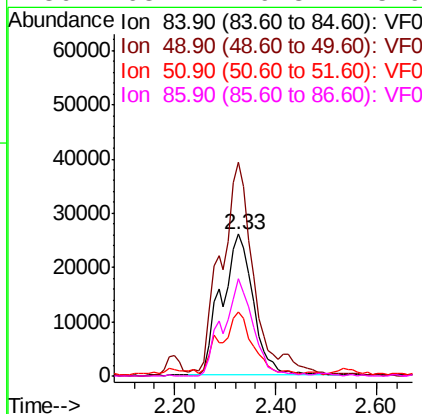
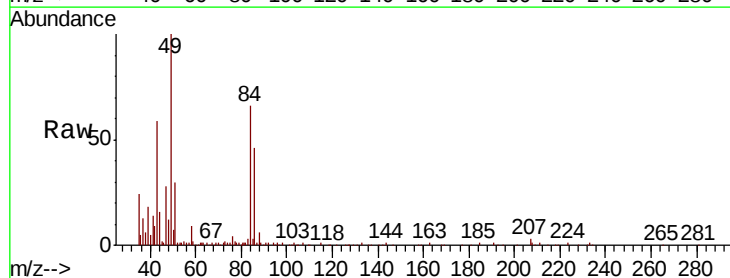
Tot Ion: 73 Resp: 274199
 Ion Ratio Lower Upper
 73 100
 57 21.0 13.7 20.5#

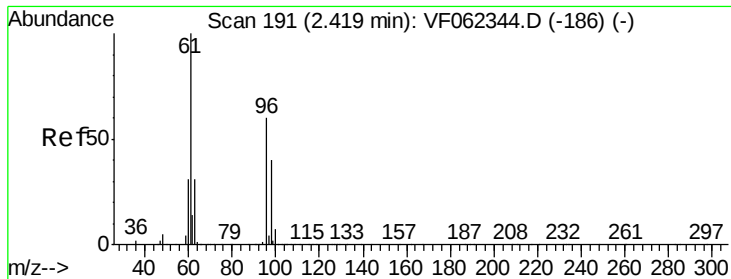


#20

Methylene Chloride
 Concen: 51.567 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Tgt Ion: 84 Resp: 113472
 Ion Ratio Lower Upper
 84 100
 49 150.0 117.5 176.3
 51 42.4 37.0 55.4
 86 68.7 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.946 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

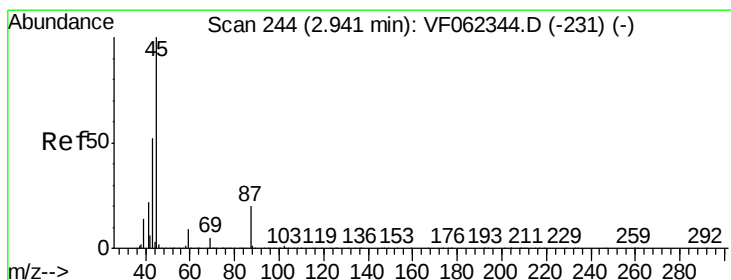
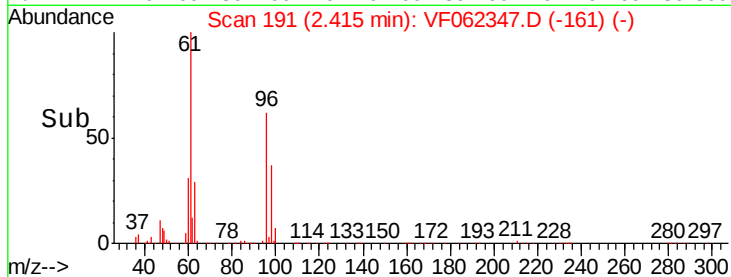
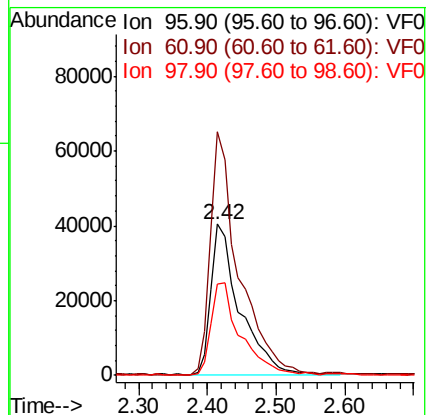
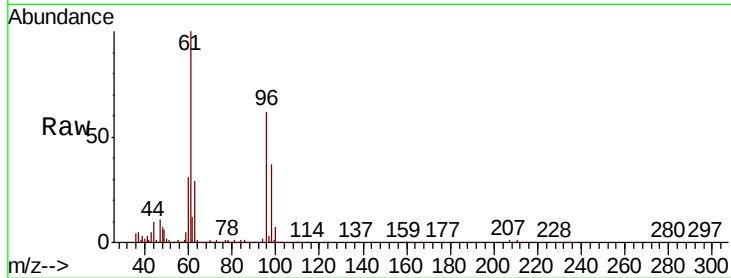
Tot Ion: 96 Resp: 118396

Ion Ratio Lower Upper

96 100

61 161.5 133.2 199.8

98 60.3 53.1 79.7



#22

Diisopropyl ether

Concen: 54.499 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Tgt Ion: 45 Resp: 367004

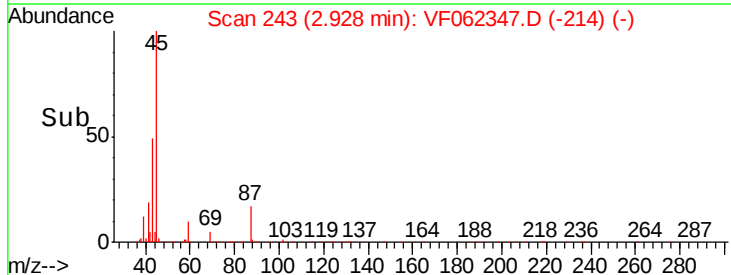
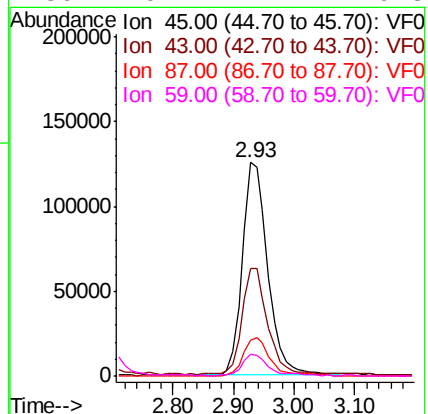
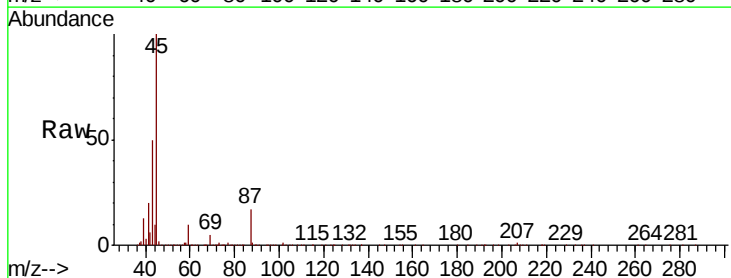
Ion Ratio Lower Upper

45 100

43 49.1 41.4 62.0

87 16.9 15.8 23.6

59 9.7 7.2 10.8





#23

Vinyl Acetate

Concen: 271.864 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

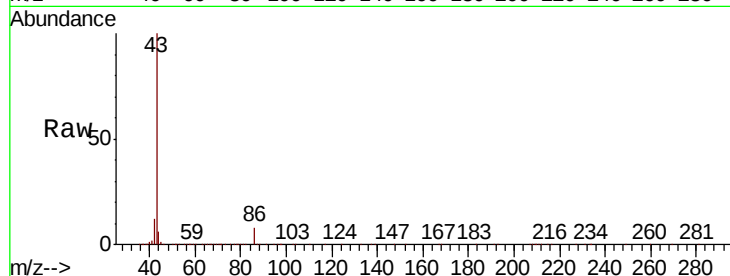
ICVVF050619

Tot Ion: 43 Resp: 815960

Ion Ratio Lower Upper

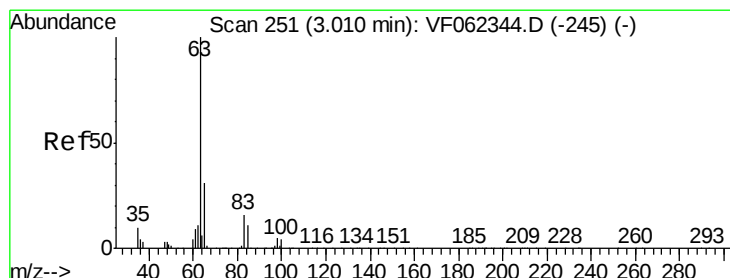
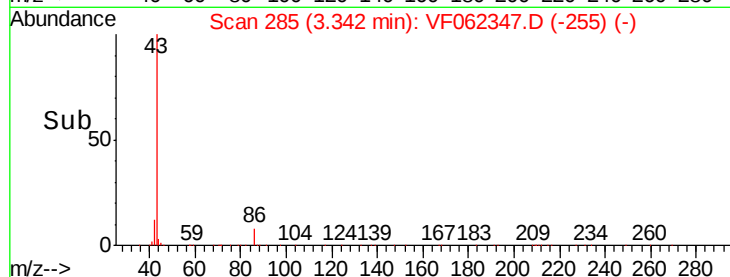
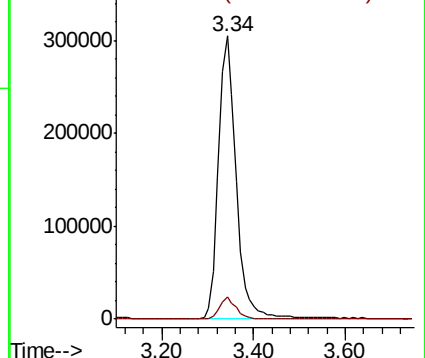
43 100

86 7.7 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.222 ug/l

RT: 3.01 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

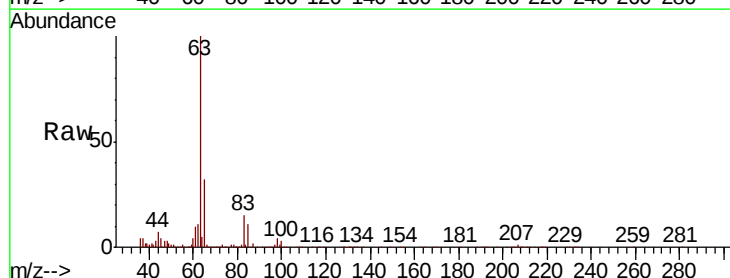
Tgt Ion: 63 Resp: 220682

Ion Ratio Lower Upper

63 100

98 4.0 2.6 8.0

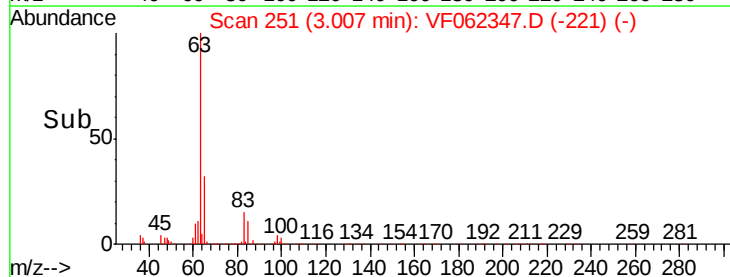
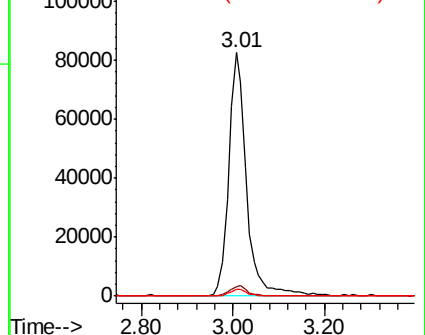
100 2.9 1.8 5.4

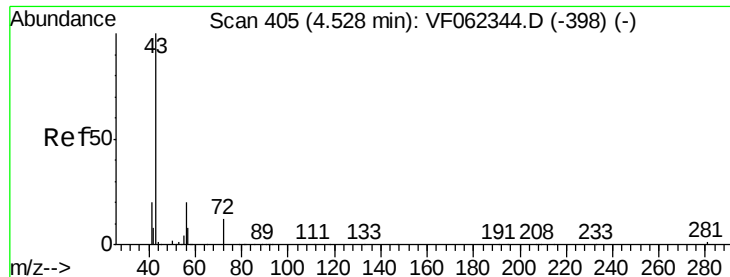


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 248.967 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

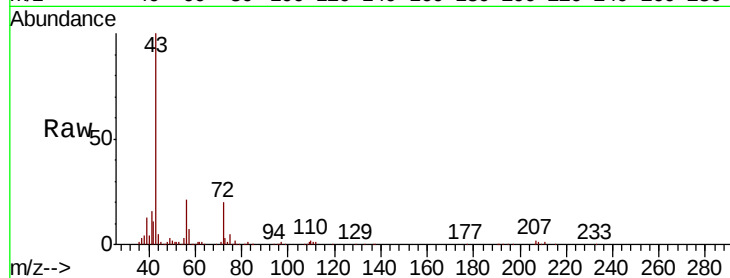
ICVVF050619

Tot Ion: 43 Resp: 190238

Ion Ratio Lower Upper

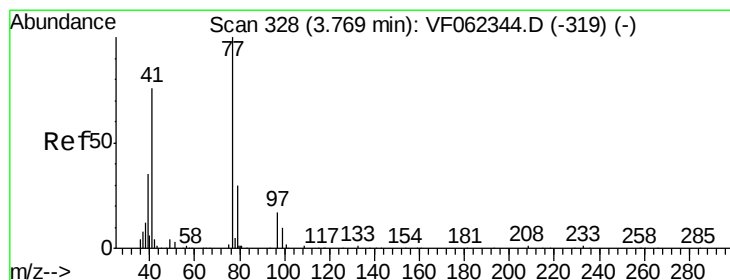
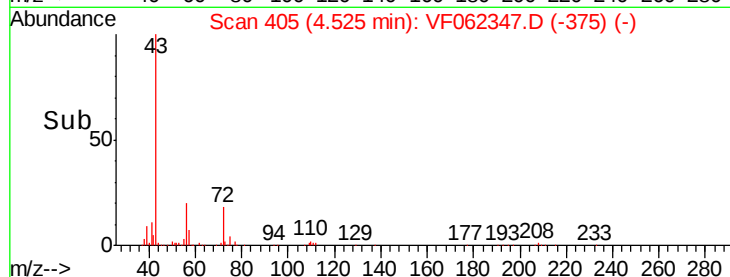
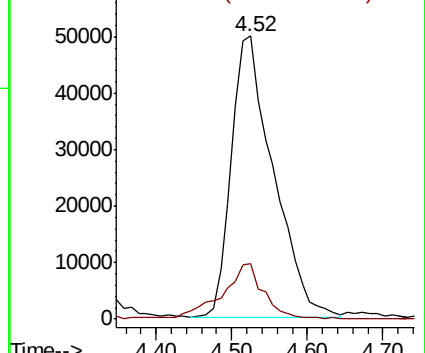
43 100

72 19.4 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 48.095 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF062347.D

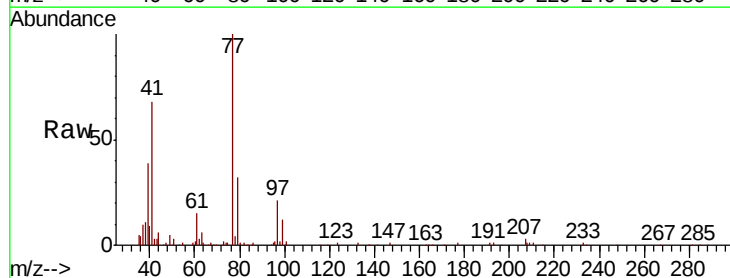
Acq: 6 May 2019 21:28

Tgt Ion: 77 Resp: 109313

Ion Ratio Lower Upper

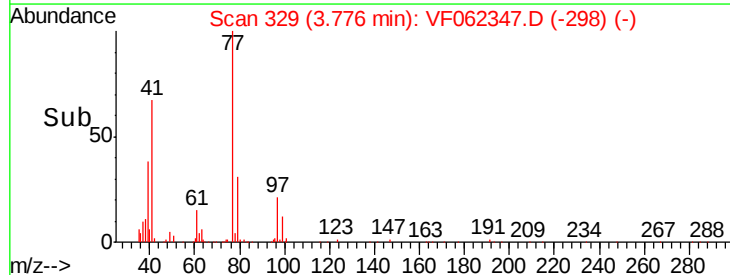
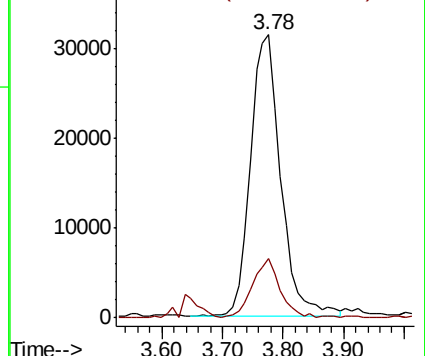
77 100

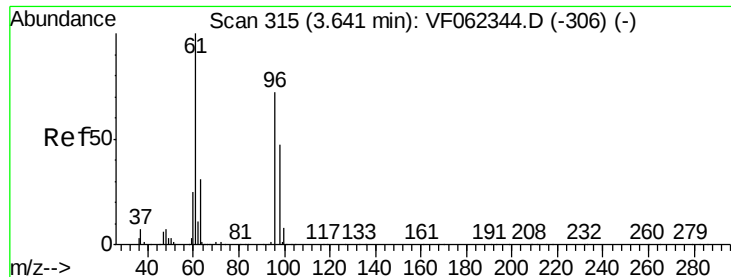
97 19.4 9.5 28.5



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0



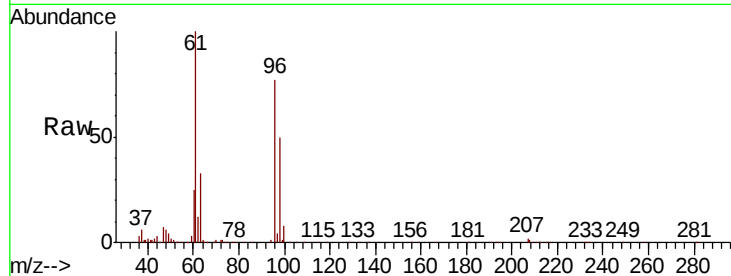


#27

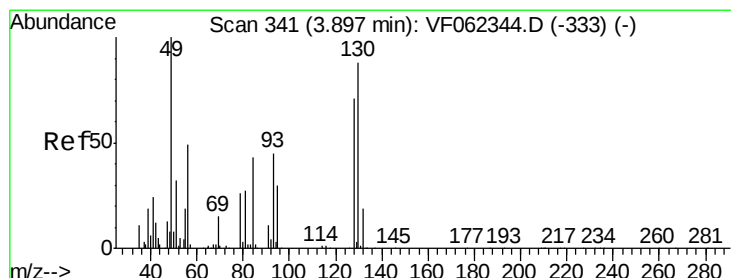
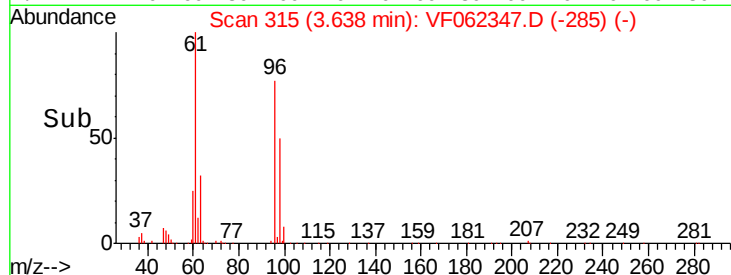
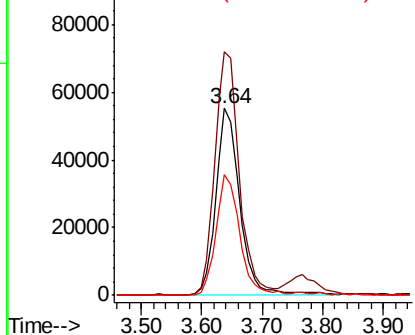
cis-1,2-Dichloroethene
Concen: 52.669 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

Tot Ion: 96 Resp: 153000
Ion Ratio Lower Upper
96 100
61 132.2 0.0 263.0
98 63.5 0.0 130.8



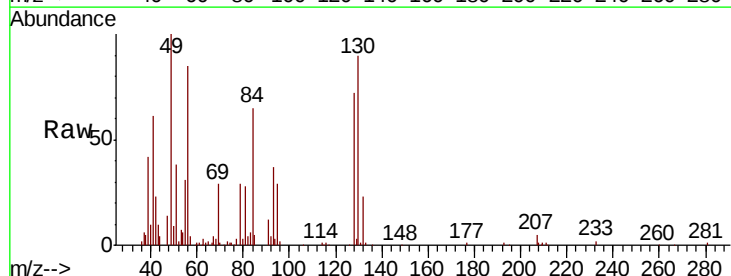
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



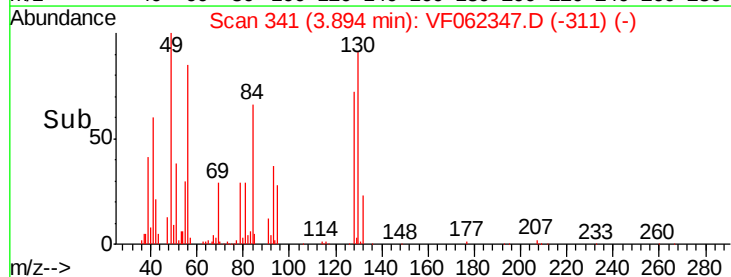
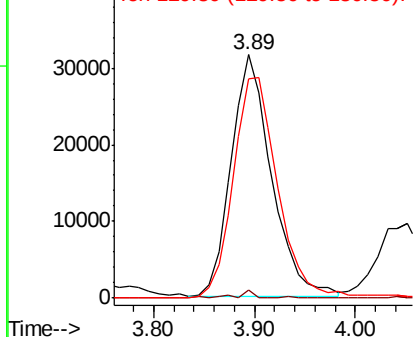
#28

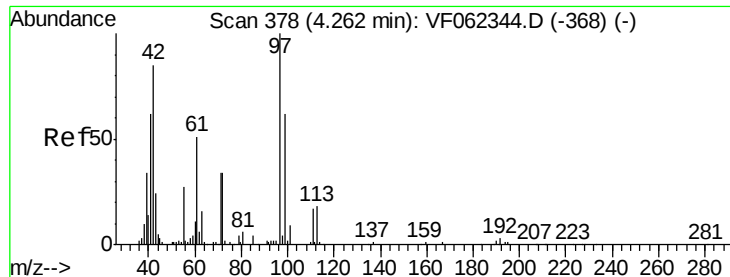
Bromochloromethane
Concen: 47.518 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 49 Resp: 87711
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.2
130 100.5 79.4 119.0



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





#29

Tetrahydrofuran

Concen: 256.811 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

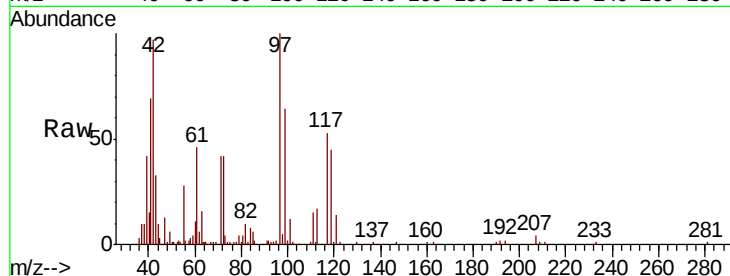
Tot Ion: 42 Resp: 90187

Ion Ratio Lower Upper

42 100

72 37.8 31.4 47.0

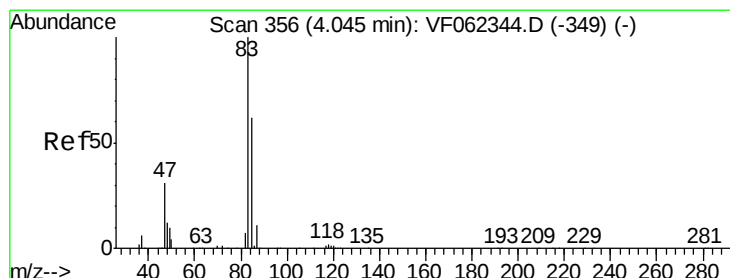
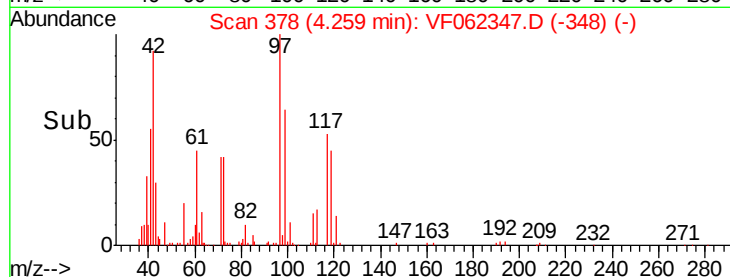
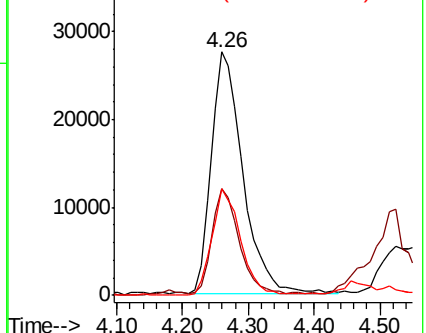
71 40.4 31.7 47.5



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 53.662 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF062347.D

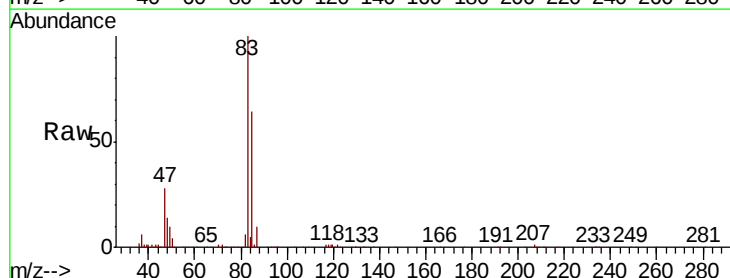
Acq: 6 May 2019 21:28

Tgt Ion: 83 Resp: 295063

Ion Ratio Lower Upper

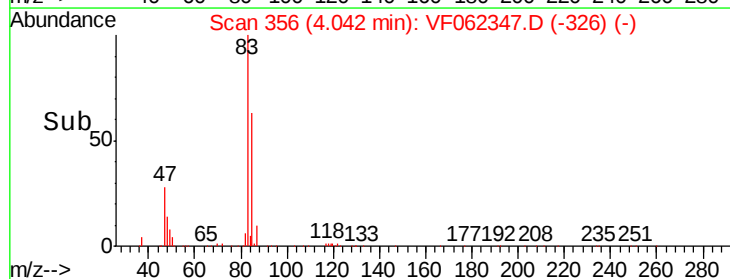
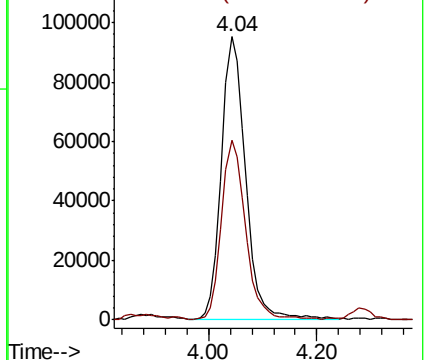
83 100

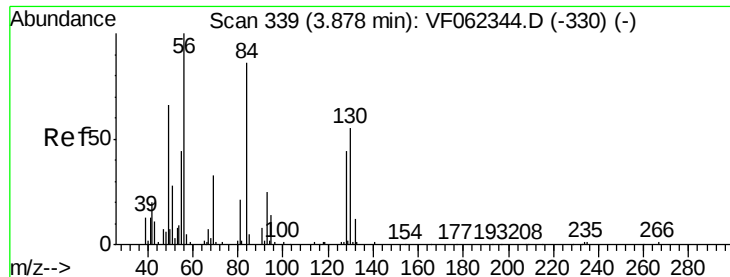
85 63.2 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

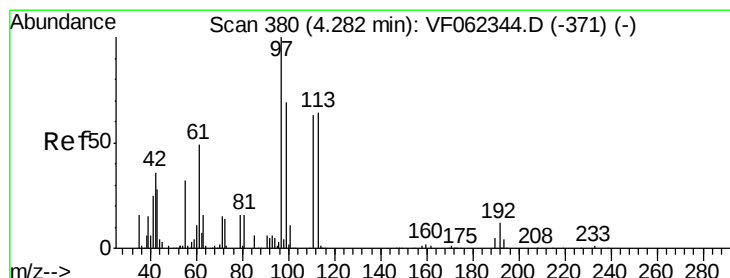
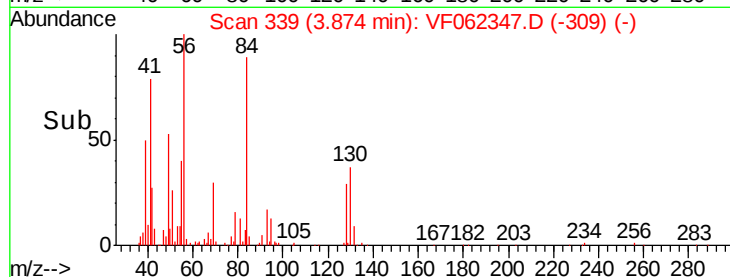
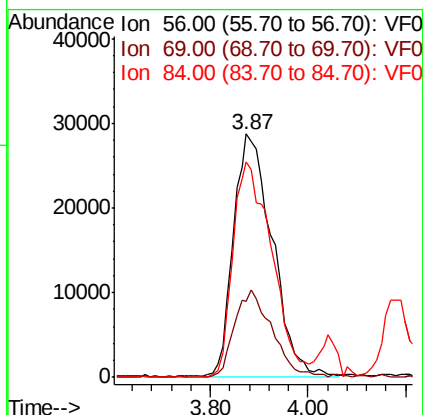
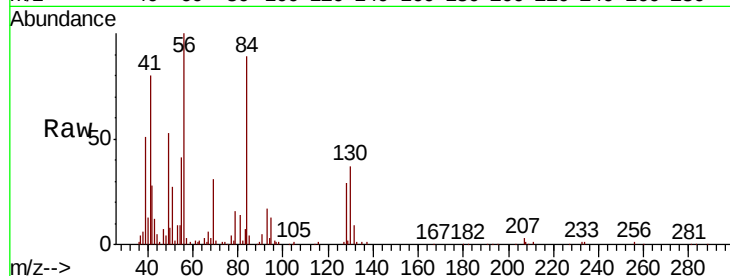




#31
Cyclohexane
Concen: 49.063 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

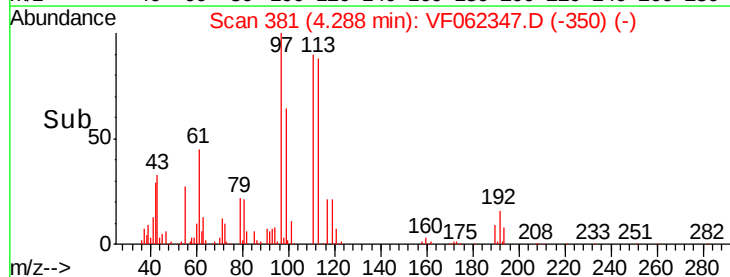
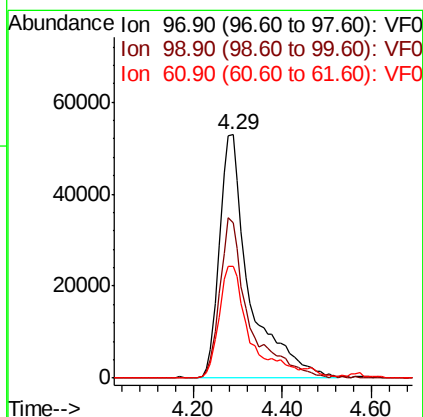
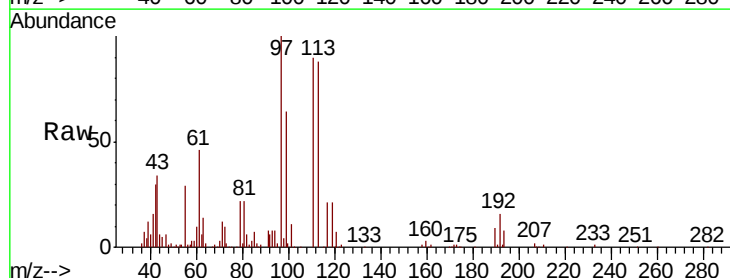
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

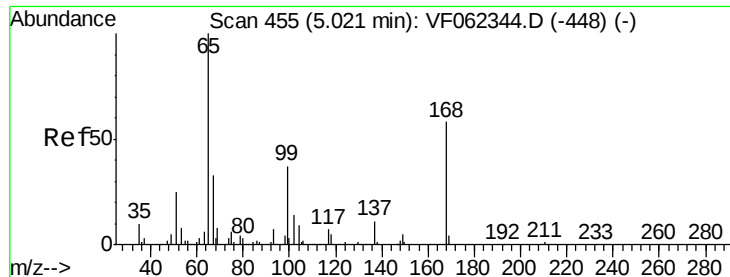
Tot Ion: 56 Resp: 159386
Ion Ratio Lower Upper
56 100
69 30.7 26.4 39.6
84 88.5 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 52.747 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 97 Resp: 248573
Ion Ratio Lower Upper
97 100
99 63.5 52.6 78.8
61 46.8 39.4 59.0





#33

1,2-Dichloroethane-d4

Concen: 51.144 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

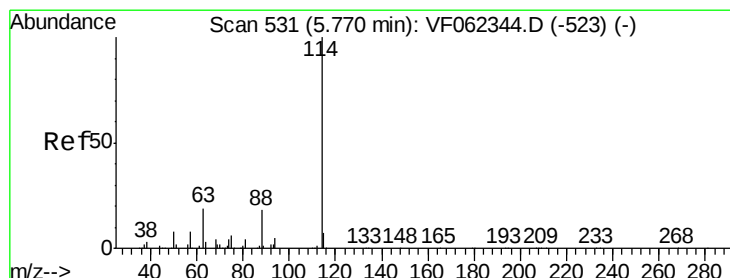
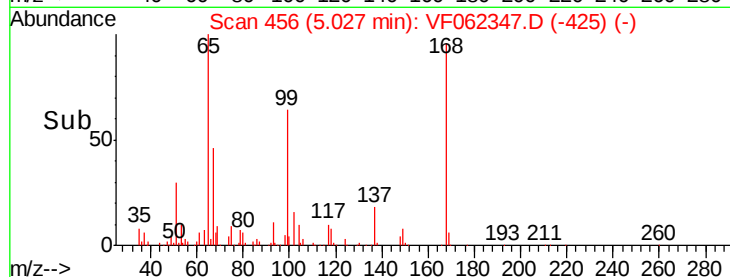
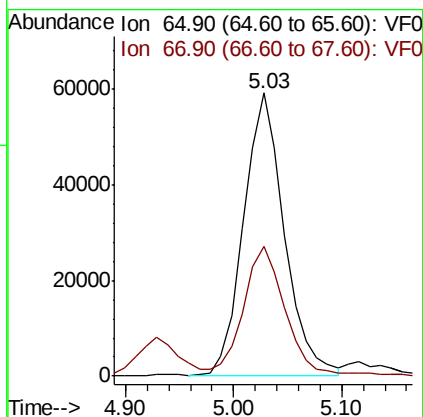
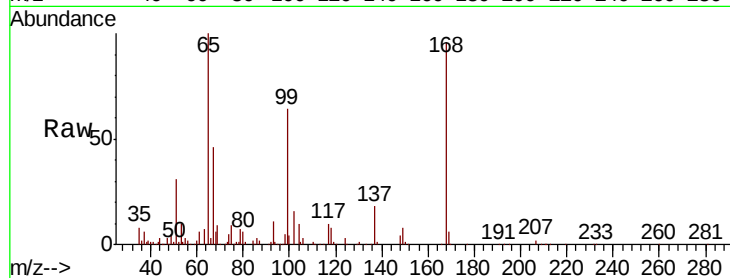
ICVVF050619

Tot Ion: 65 Resp: 153768

Ion Ratio Lower Upper

65 100

67 47.2 0.0 85.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

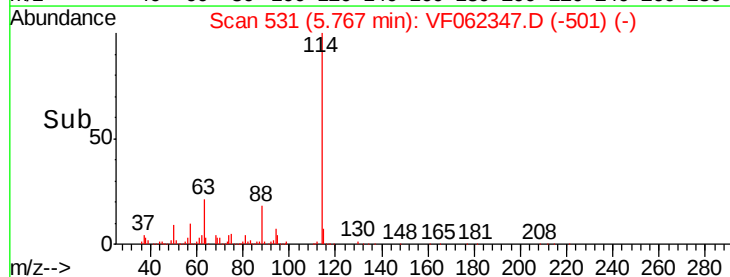
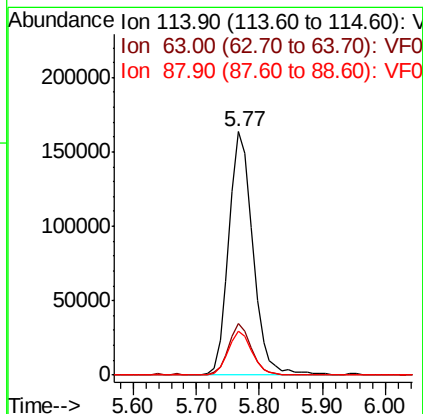
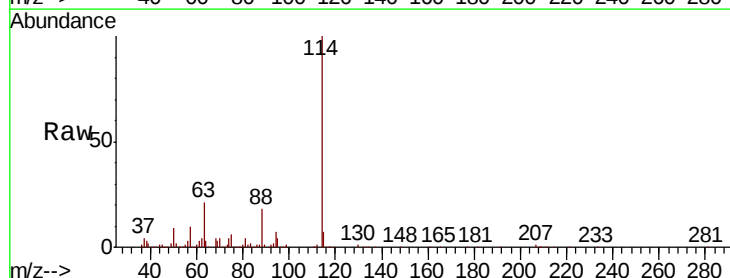
Tgt Ion:114 Resp: 433065

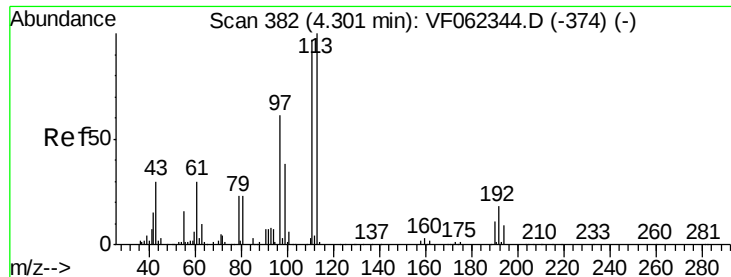
Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.4

88 18.3 0.0 36.4





#35

Dibromofluoromethane

Concen: 52.563 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

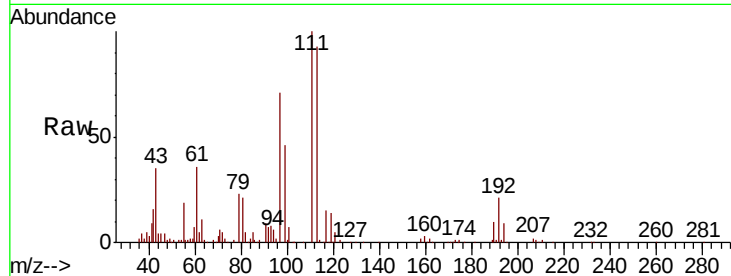
Tot Ion:113 Resp: 181349

Ion Ratio Lower Upper

113 100

111 101.4 79.4 119.0

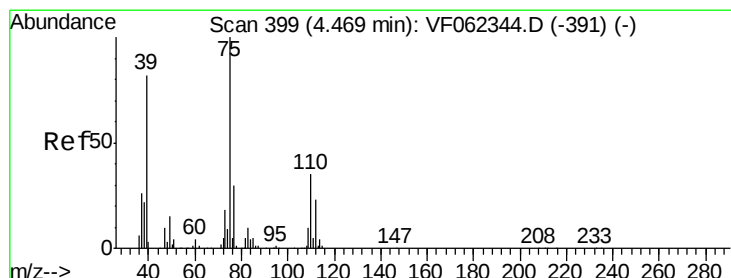
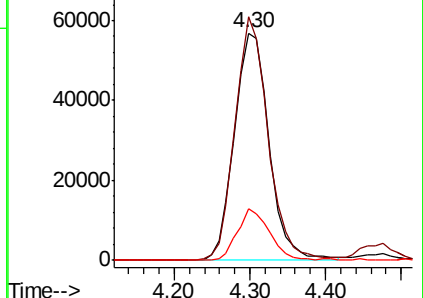
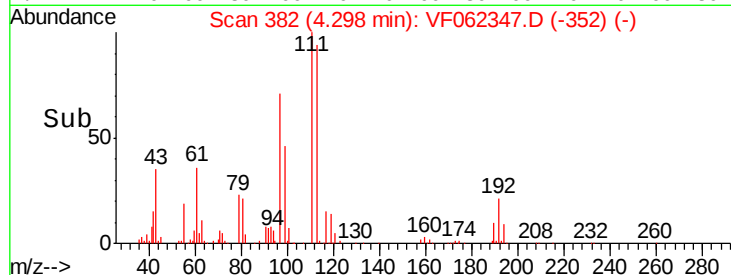
192 21.5 16.0 24.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.347 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

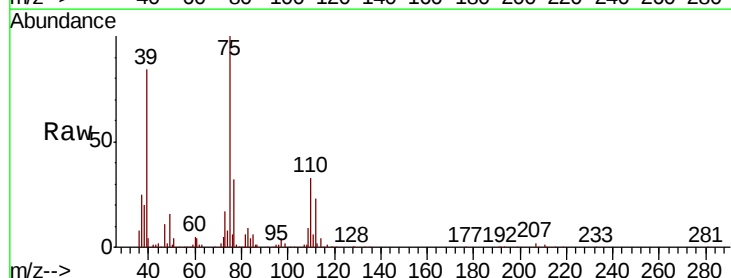
Tgt Ion: 75 Resp: 183579

Ion Ratio Lower Upper

75 100

110 35.8 17.2 51.5

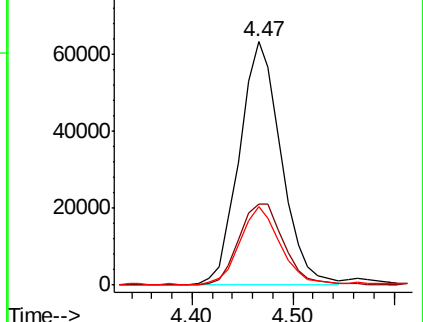
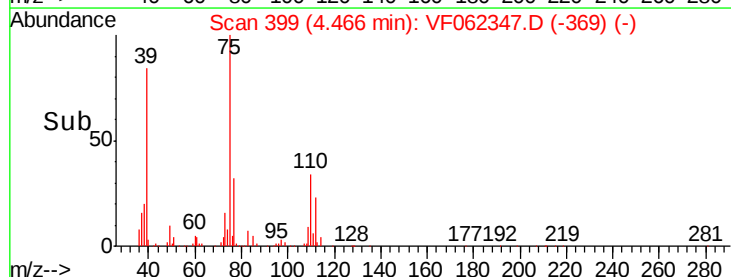
77 30.8 25.2 37.8

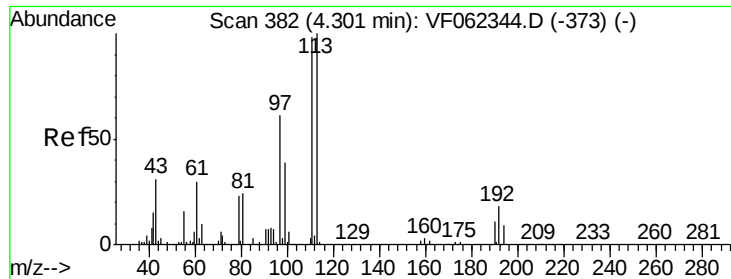


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

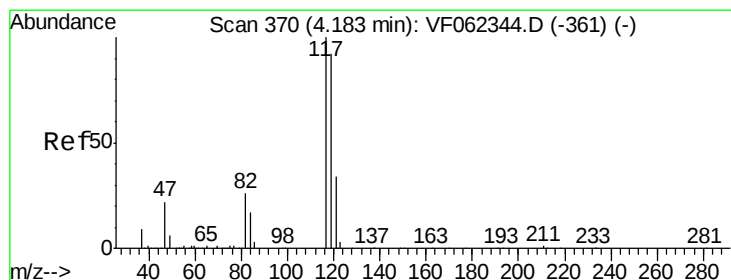
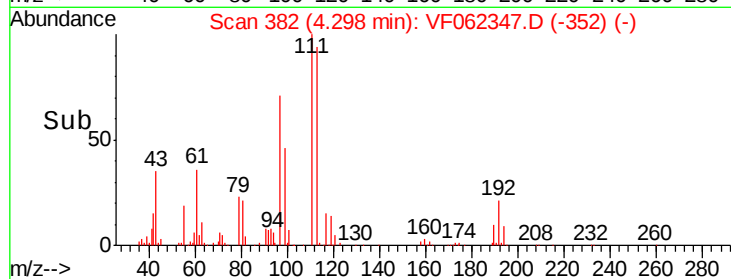
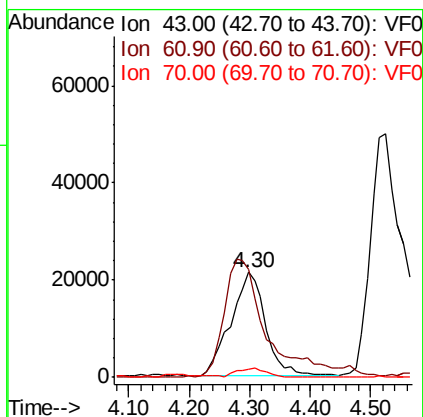
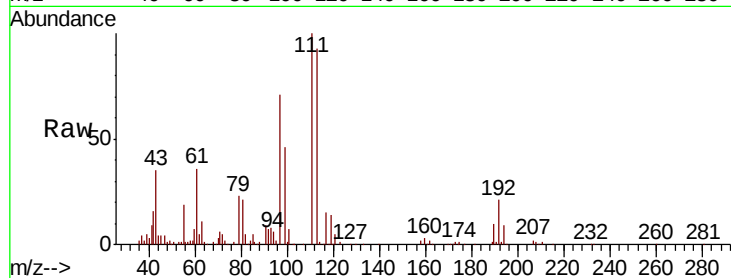




#37
Ethyl Acetate
Concen: 60.436 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

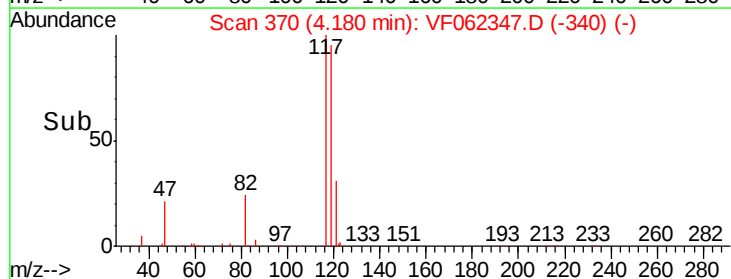
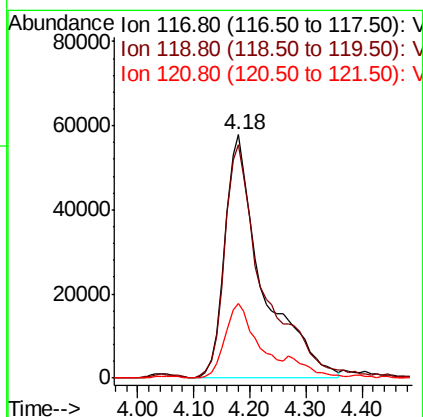
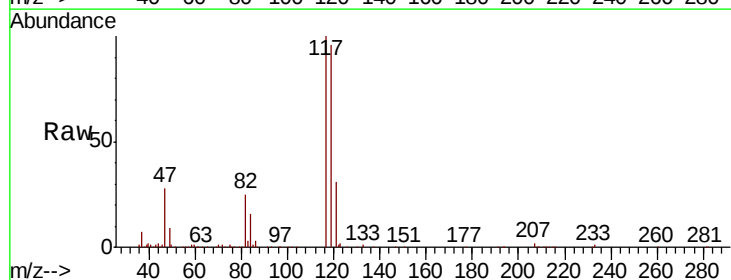
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

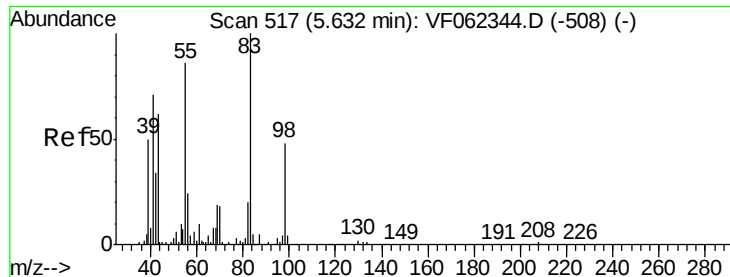
Tot Ion: 43 Resp: 85958
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 8.1 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 70.641 ug/l
RT: 4.18 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 117 Resp: 268156
Ion Ratio Lower Upper
117 100
119 95.5 73.4 110.2
121 30.8 27.4 41.0

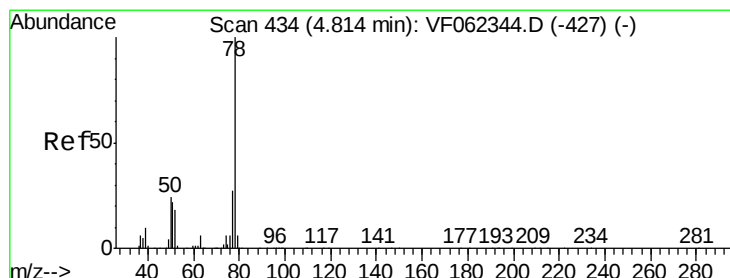
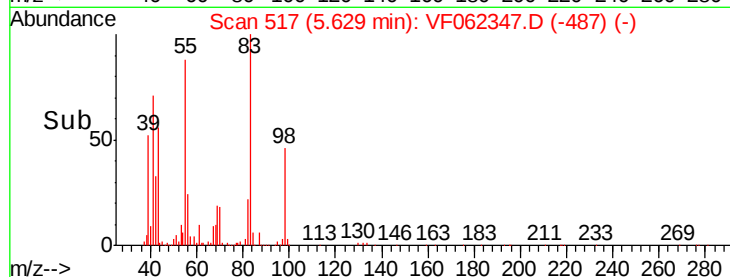
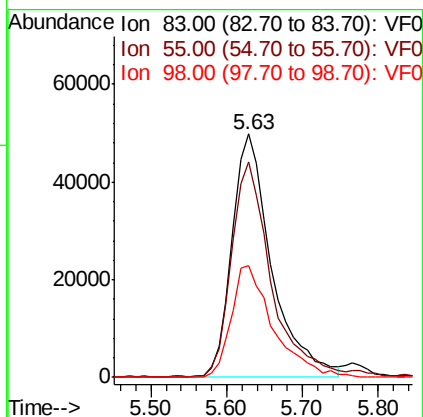
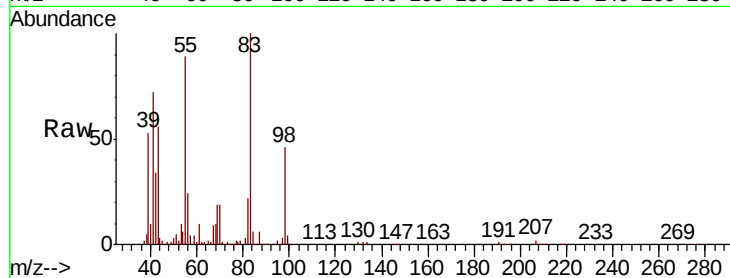




#39
Methvlcvclohexane
Concen: 48.643 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

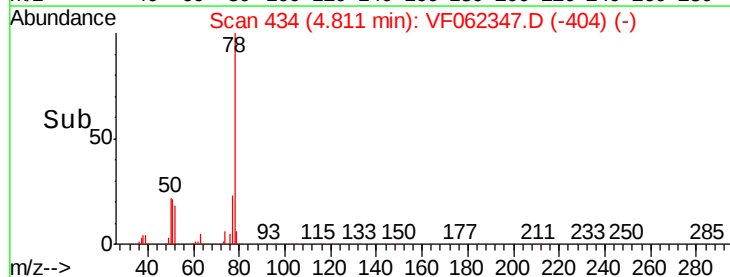
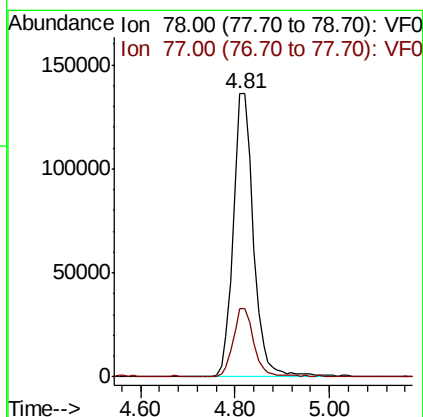
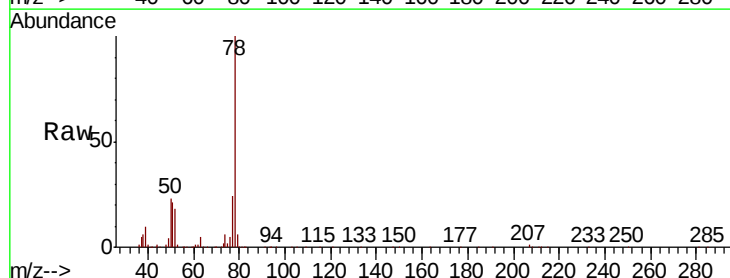
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

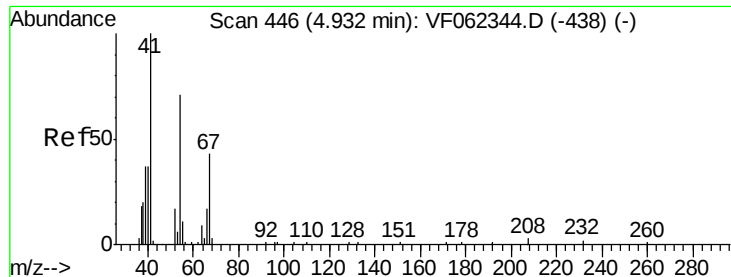
Tot Ion: 83 Resp: 181489
Ion Ratio Lower Upper
83 100
55 88.3 69.0 103.6
98 45.8 38.6 58.0



#40
Benzene
Concen: 49.500 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 78 Resp: 405508
Ion Ratio Lower Upper
78 100
77 24.1 21.6 32.4





#41

Methacrylonitrile

Concen: 47.176 ug/l

RT: 4.93 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

Tot Ion: 41 Resp: 42082

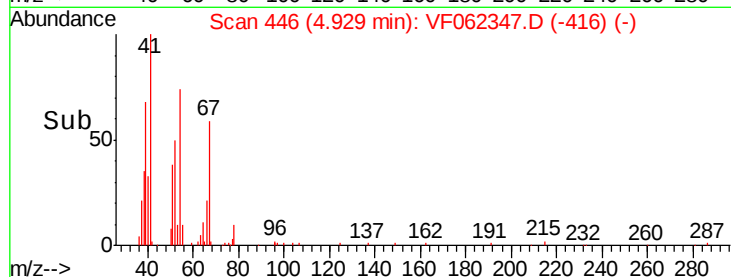
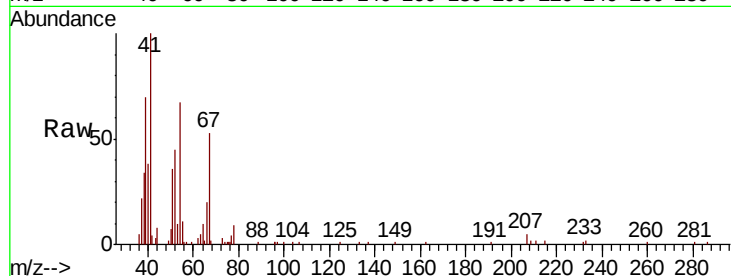
Ion Ratio Lower Upper

41 100

39 78.3 54.3 81.5

67 53.0 37.8 56.8

52 73.9 58.2 87.4

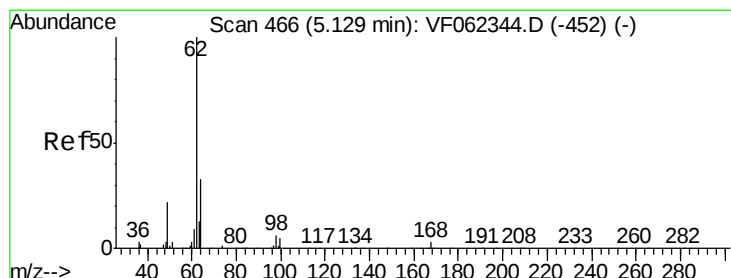
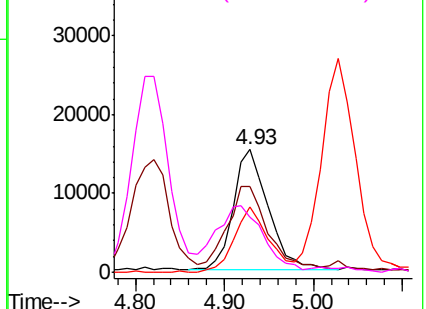


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 51.995 ug/l

RT: 5.13 min Scan# 466

Delta R.T. -0.00 min

Lab File: VF062347.D

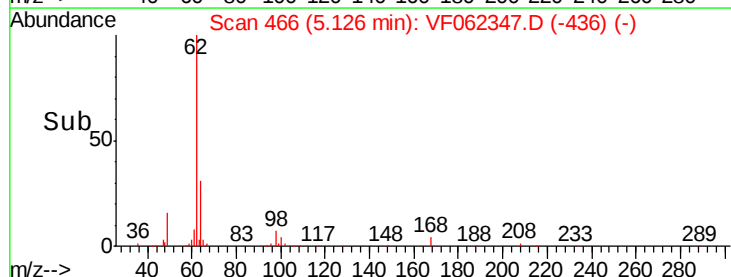
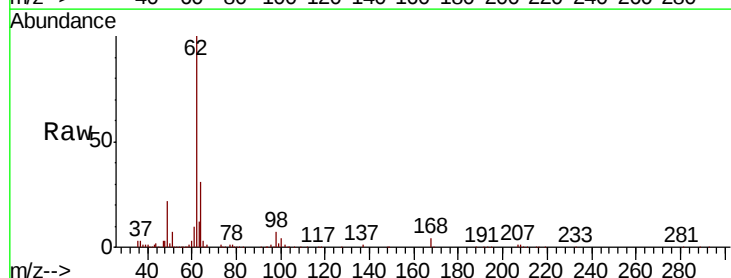
Acq: 6 May 2019 21:28

Tgt Ion: 62 Resp: 178146

Ion Ratio Lower Upper

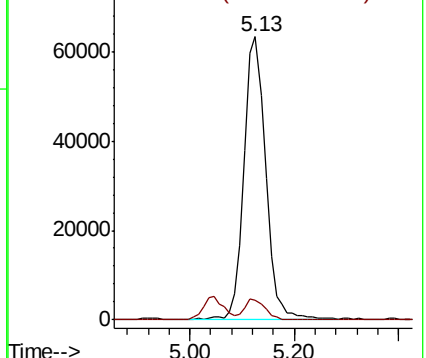
62 100

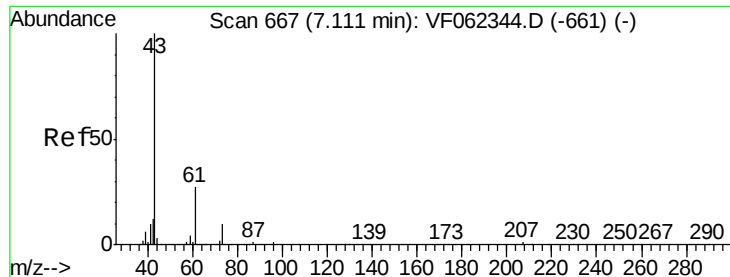
98 6.5 0.0 12.4



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 54.611 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

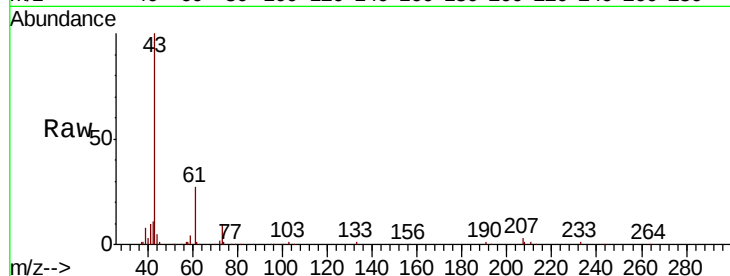
Tot Ion: 43 Resp: 92408

Ion Ratio Lower Upper

43 100

61 27.9 22.8 34.2

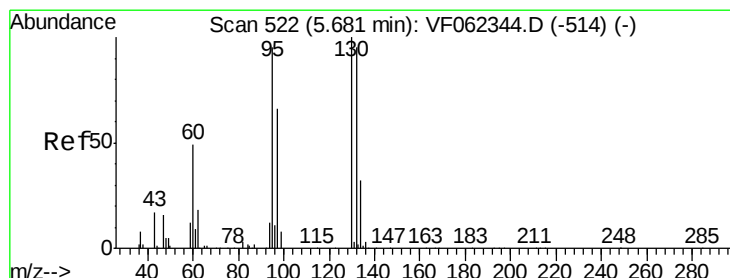
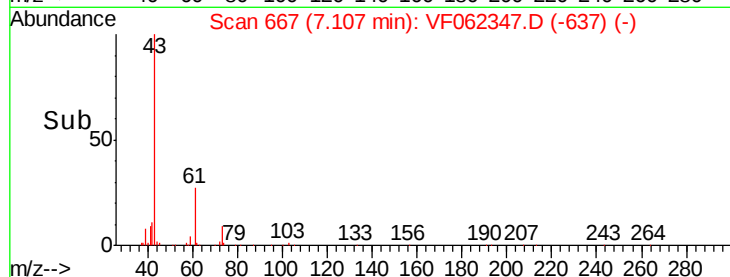
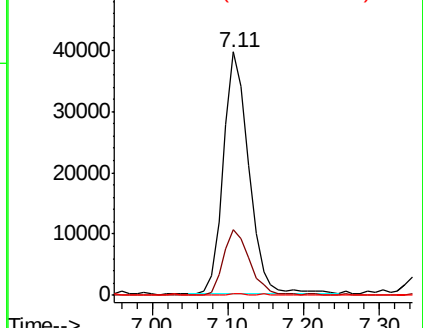
87 0.5 0.6 1.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 48.974 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.00 min

Lab File: VF062347.D

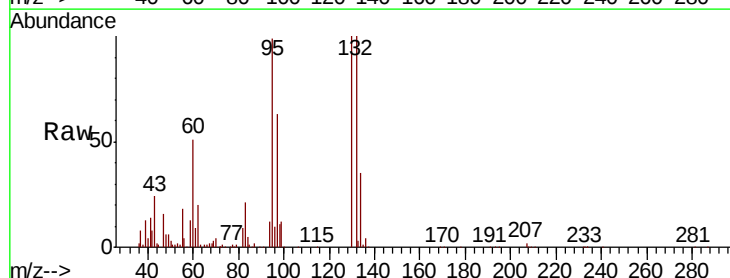
Acq: 6 May 2019 21:28

Tgt Ion:130 Resp: 147378

Ion Ratio Lower Upper

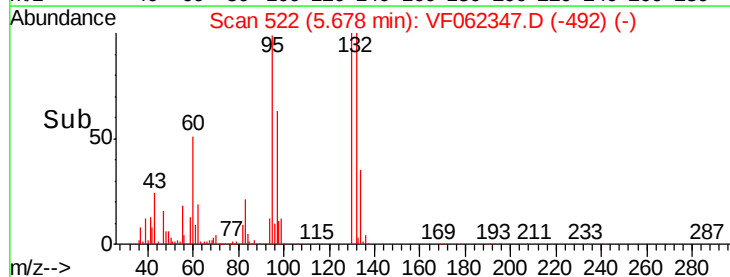
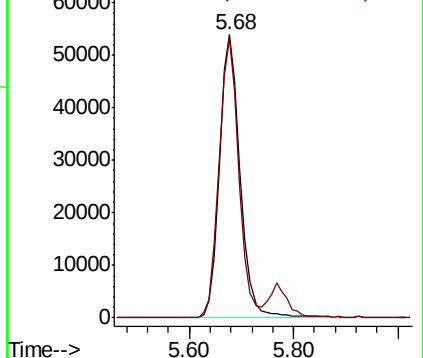
130 100

95 98.5 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 52.926 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

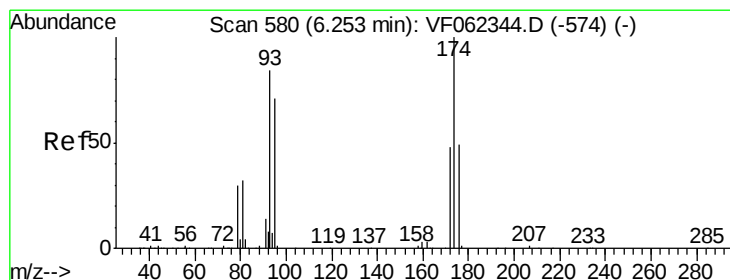
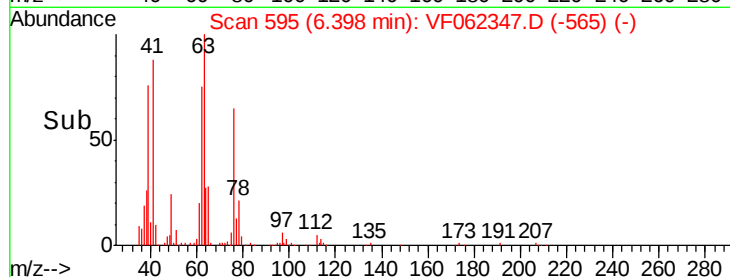
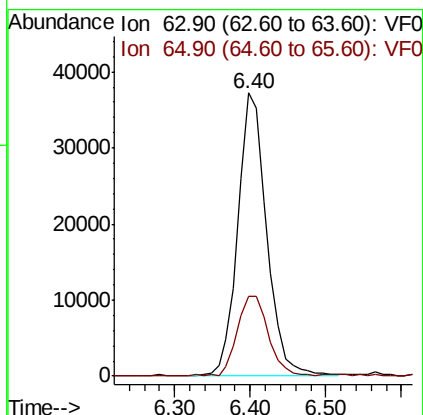
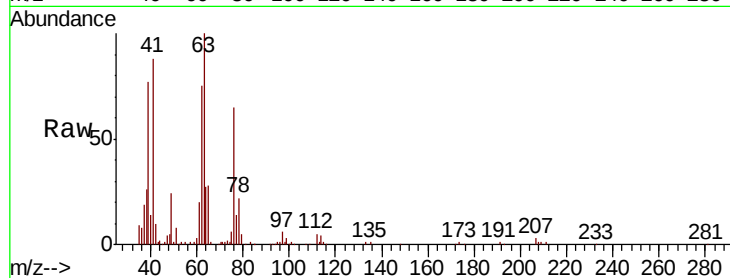
ICVVF050619

Tot Ion: 63 Resp: 98205

Ion Ratio Lower Upper

63 100

65 28.2 25.6 38.4



#46

Dibromomethane

Concen: 53.259 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

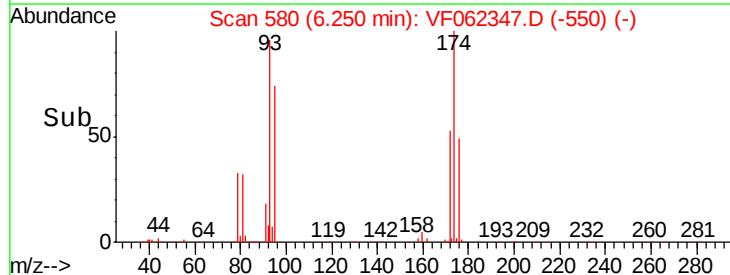
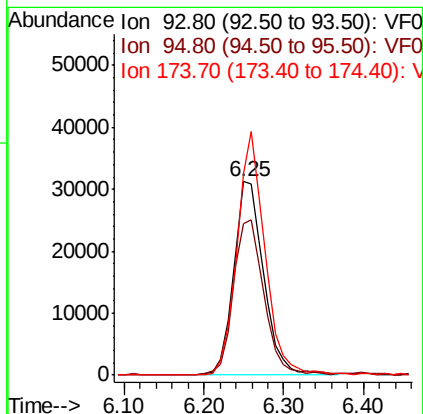
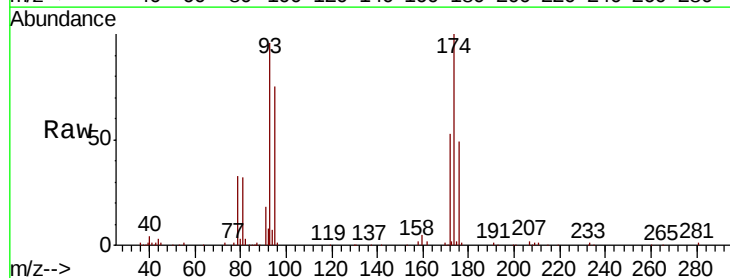
Tgt Ion: 93 Resp: 81937

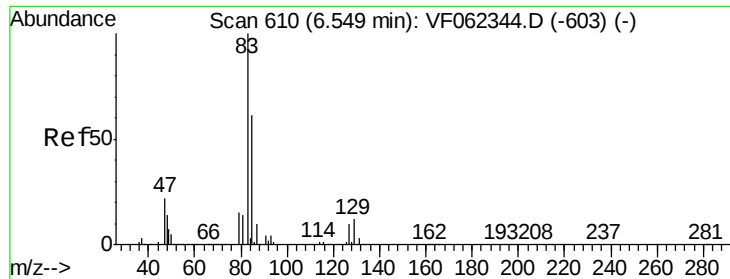
Ion Ratio Lower Upper

93 100

95 81.3 68.4 102.6

174 116.5 99.6 149.4





#47

Bromodichloromethane

Concen: 52.611 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

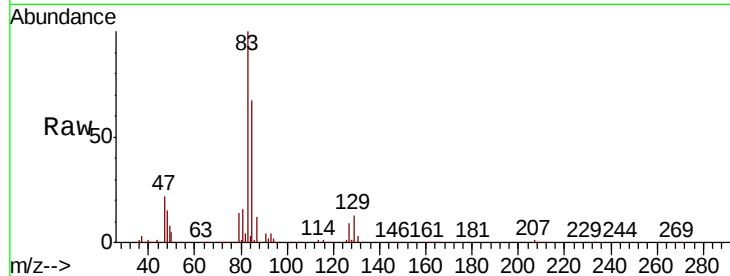
Tot Ion: 83 Resp: 202364

Ion Ratio Lower Upper

83 100

85 67.0 49.1 73.7

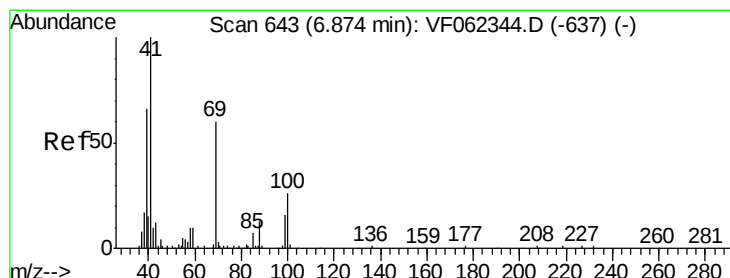
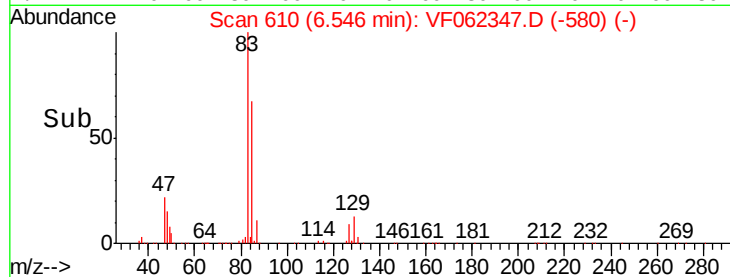
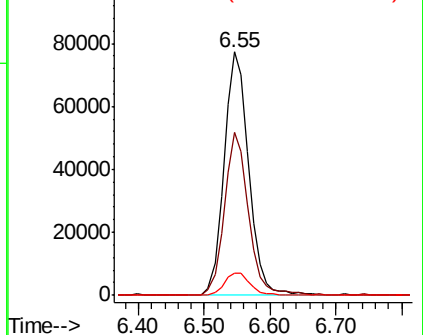
127 9.1 7.8 11.8



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: 55.814 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

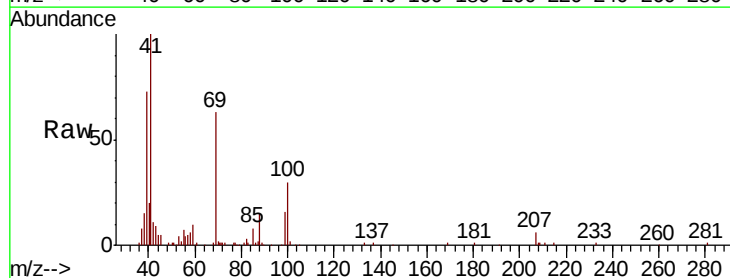
Tgt Ion: 41 Resp: 66743

Ion Ratio Lower Upper

41 100

69 61.0 48.6 72.8

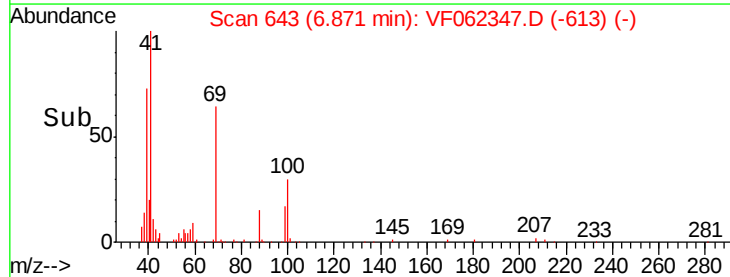
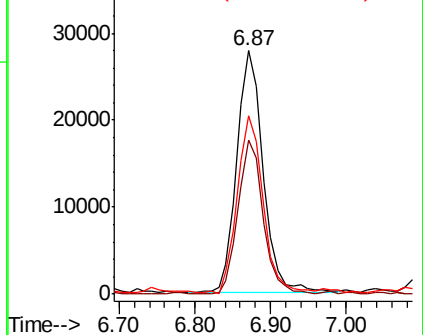
39 70.0 56.1 84.1

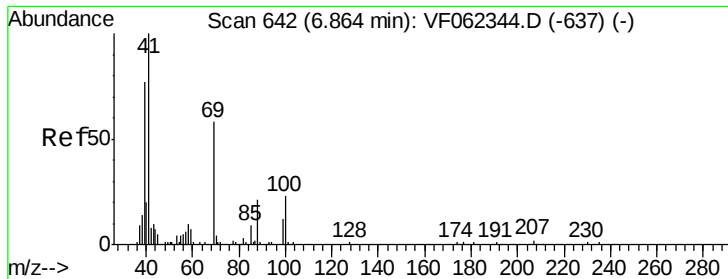


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

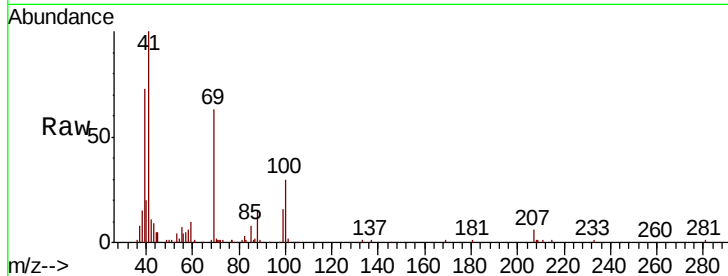




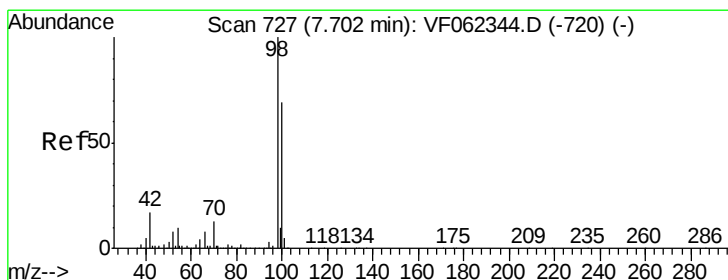
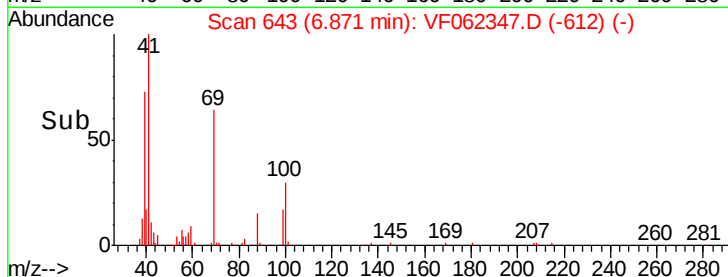
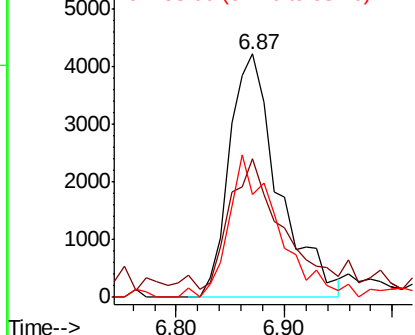
#49
1,4-Dioxane
Concen: 1081.016 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

Tot Ion: 88 Resp: 13282
Ion Ratio Lower Upper
88 100
43 56.6 55.6 83.4
58 58.6 52.8 79.2

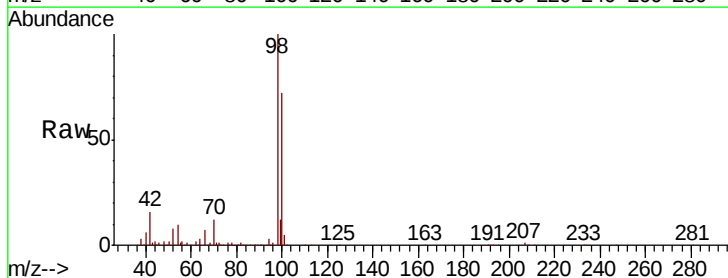


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

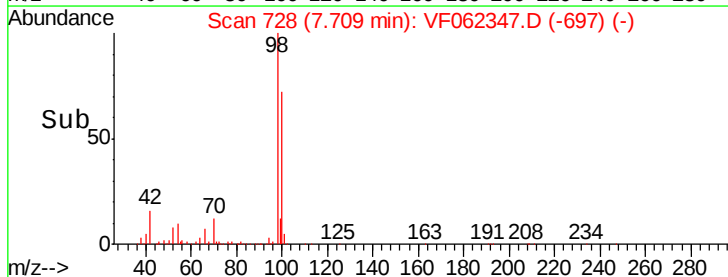
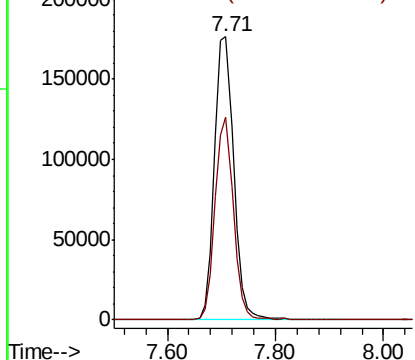


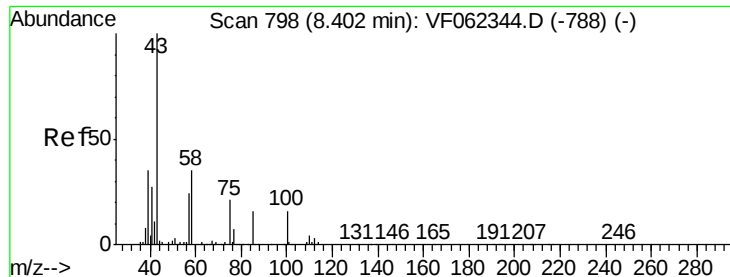
#50
Toluene-d8
Concen: 52.411 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 98 Resp: 437720
Ion Ratio Lower Upper
98 100
100 67.9 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: 274.496 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

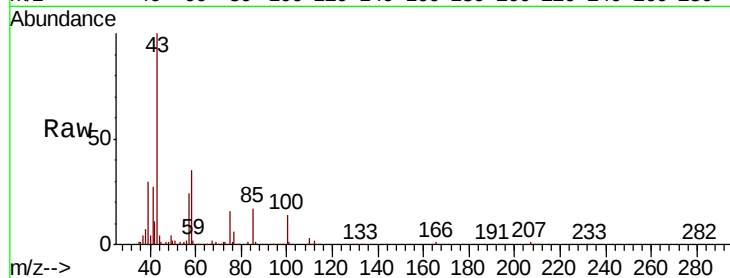
ICVVF050619

Tot Ion: 43 Resp: 351958

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

150000

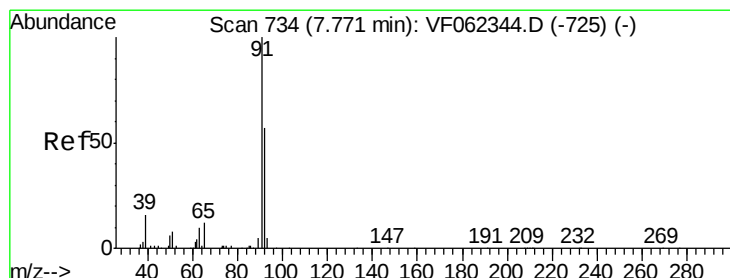
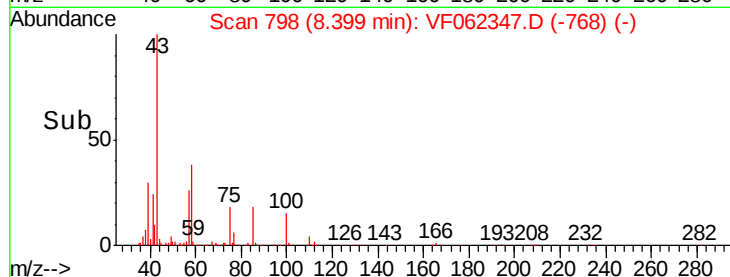
100000

50000

0

8.20 8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 52.032 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF062347.D

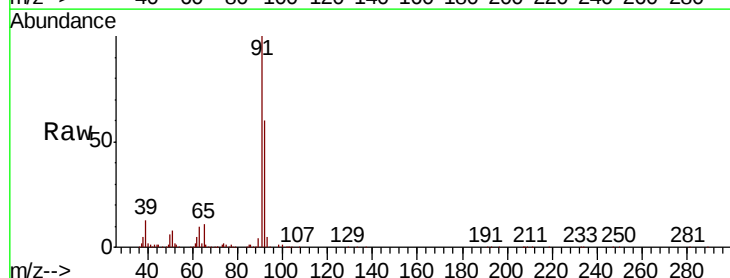
Acq: 6 May 2019 21:28

Tgt Ion: 92 Resp: 262957

Ion Ratio Lower Upper

92 100

91 169.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

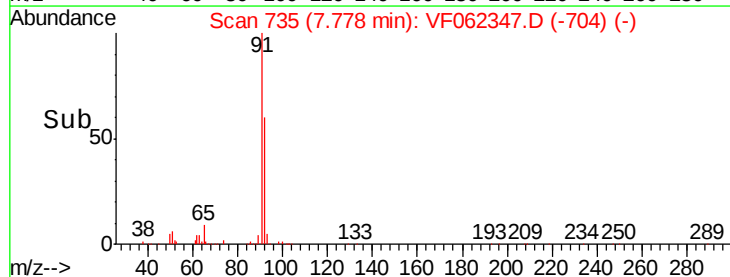
100000

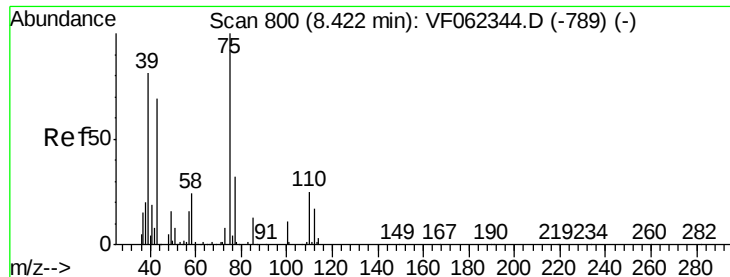
50000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.108 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

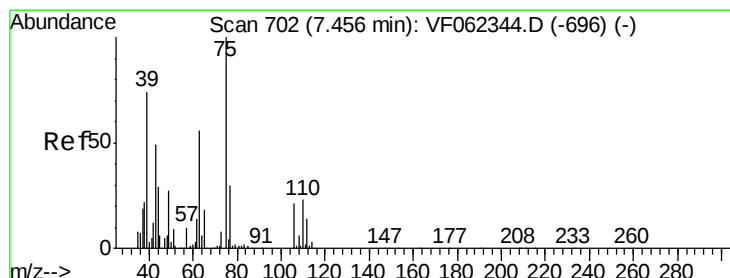
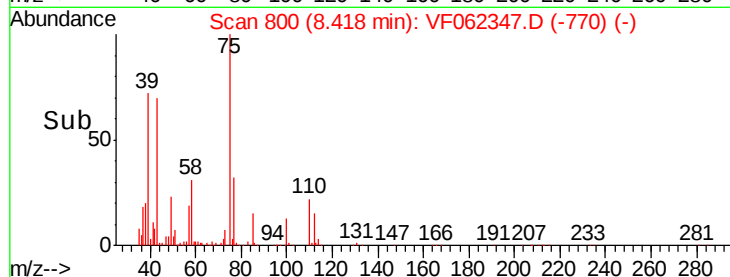
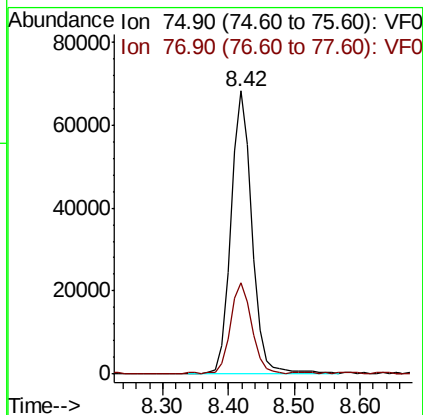
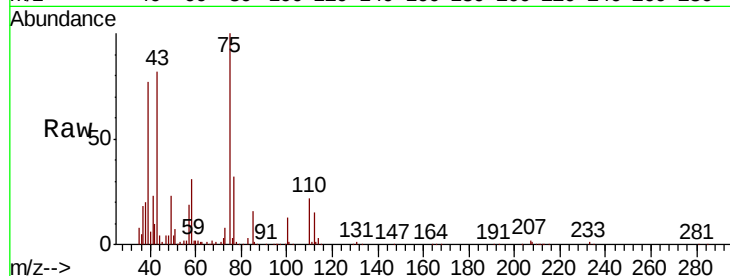
ICVVF050619

Tot Ion: 75 Resp: 151591

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 52.731 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

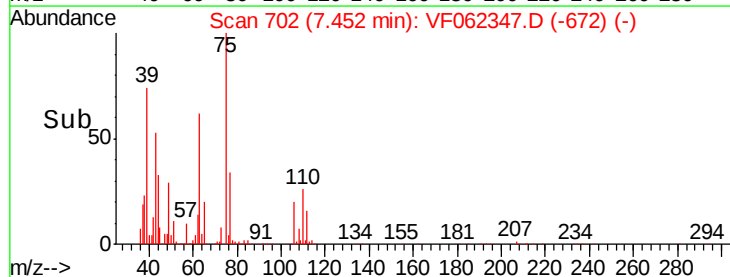
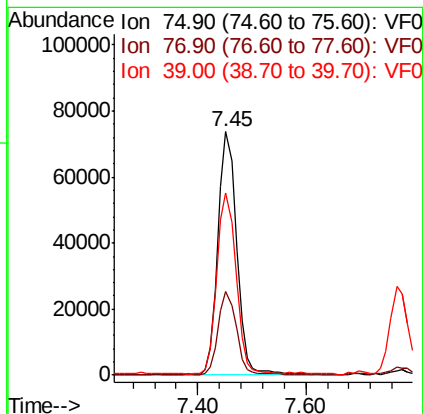
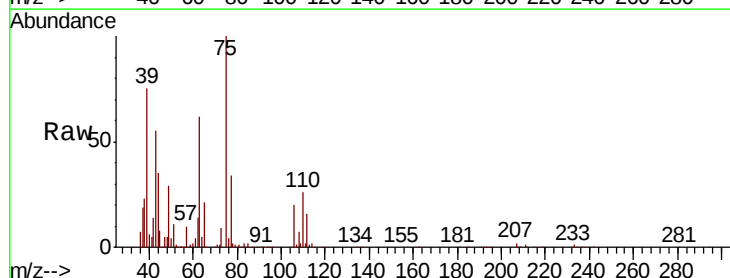
Tgt Ion: 75 Resp: 178533

Ion Ratio Lower Upper

75 100

77 33.9 24.0 36.0

39 74.4 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 53.542 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

Tot Ion: 97 Resp: 85898

Ion	Ratio	Lower	Upper
97	100		
83	82.6	68.5	102.7
85	58.7	45.4	68.2
99	61.1	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

Time-->

8.50 8.60 8.70

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

Time-->

8.50 8.60 8.70

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

Time-->

8.50 8.60 8.70

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

Time-->

8.50 8.60 8.70

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

Time-->

8.50 8.60 8.70

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

Time-->

8.50 8.60 8.70

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

Time-->

8.50 8.60 8.70

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

Time-->

8.50 8.60 8.70

Abundance

Ion 96.90 (96.60 to 97.60): VF0

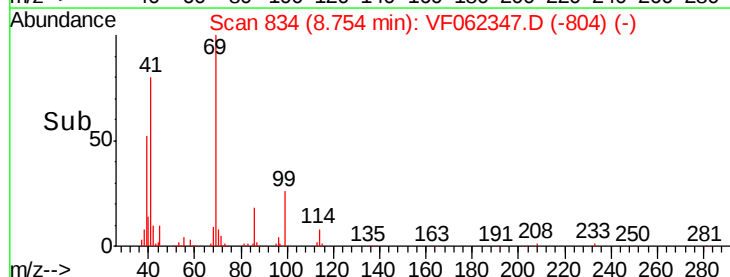
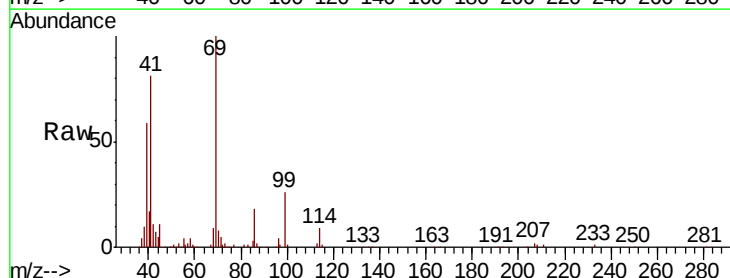
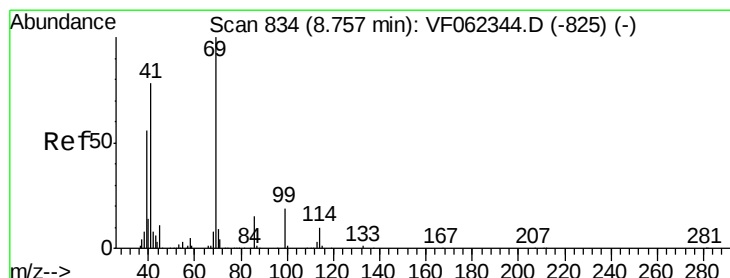
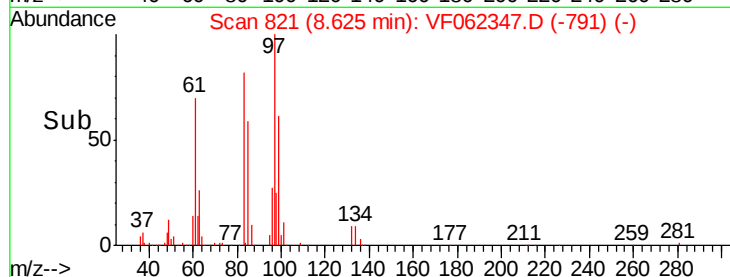
Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

Time-->

8.50 8.60 8.70



#56

Ethyl methacrylate

Concen: 54.754 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Tgt Ion: 69 Resp: 92727

Ion	Ratio	Lower	Upper
69	100		
41	83.3	66.3	99.5
39	60.0	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

Time-->

8.60 8.70 8.80 8.90

Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

8.60 8.70 8.80 8.90

Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

8.60 8.70 8.80 8.90

Abundance

Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

8.60 8.70 8.80 8.90

Abundance

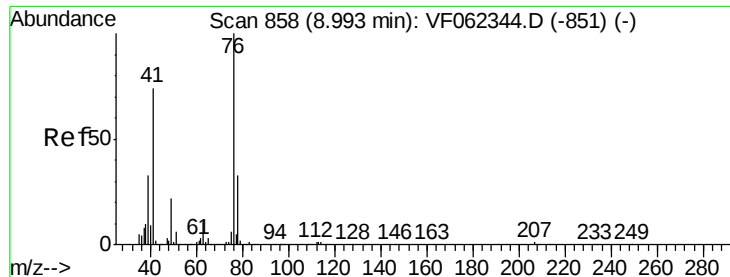
Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->

8.60 8.70 8.80 8.90



#57

1,3-Dichloropropane

Concen: 53.444 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

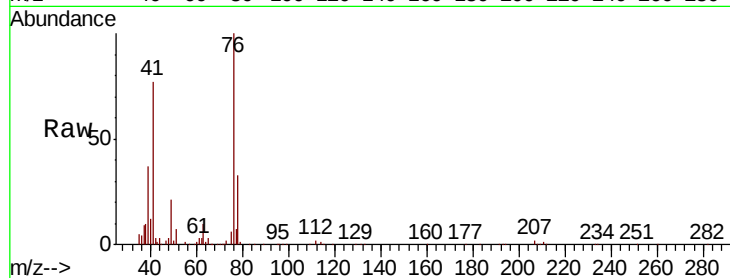
ICVVF050619

Tot Ion: 76 Resp: 129513

Ion Ratio Lower Upper

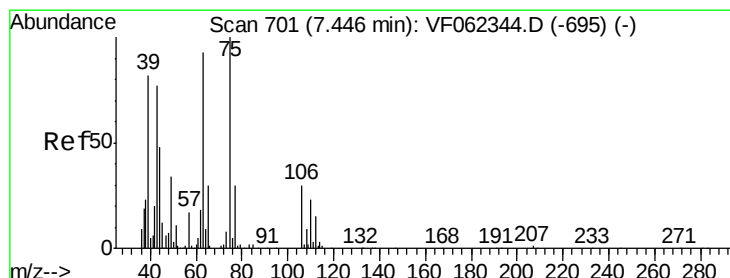
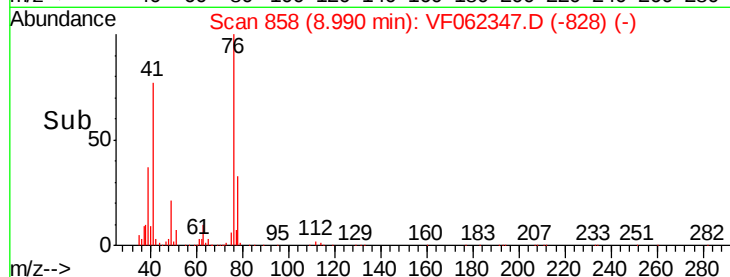
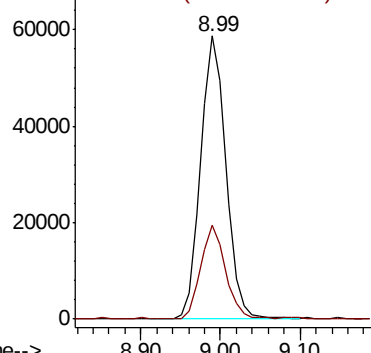
76 100

78 32.4 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 236.579 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF062347.D

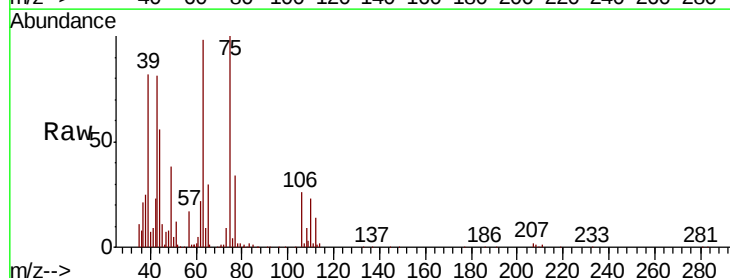
Acq: 6 May 2019 21:28

Tgt Ion: 63 Resp: 120454

Ion Ratio Lower Upper

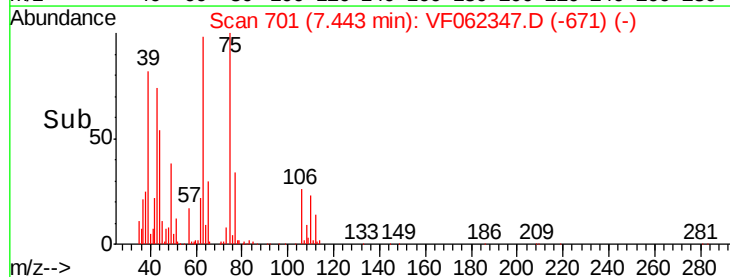
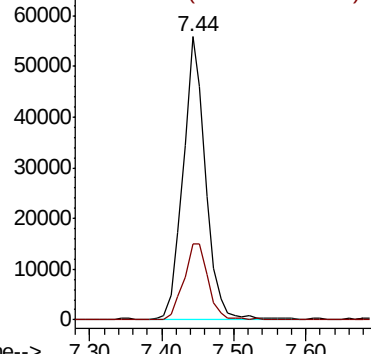
63 100

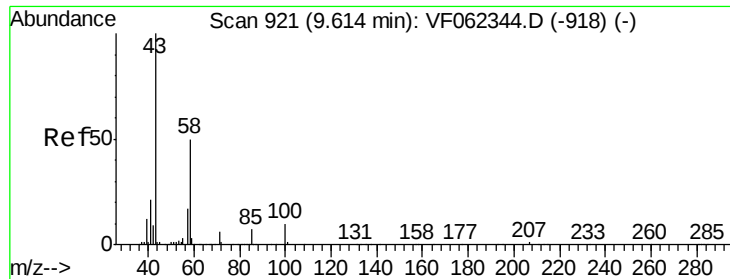
106 29.1 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

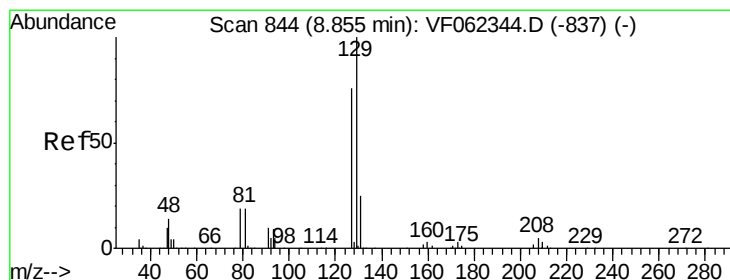
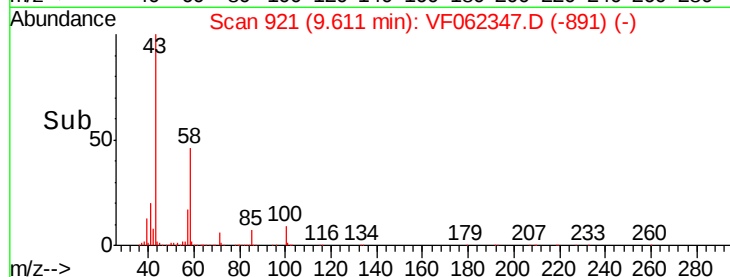
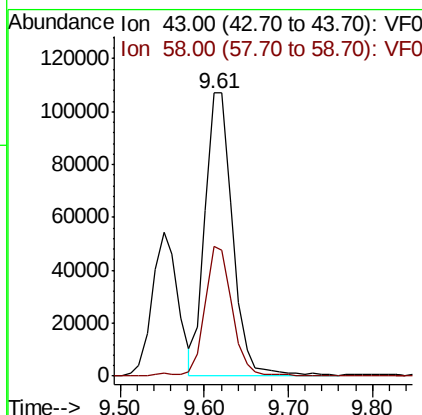
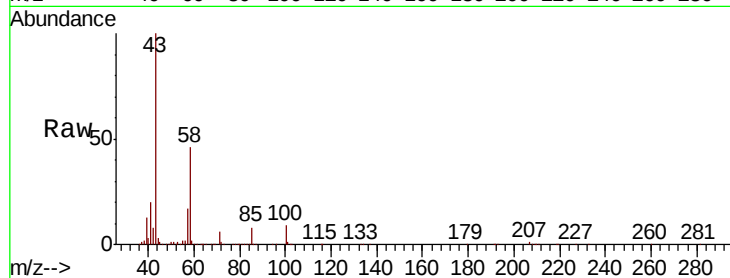




#59
2-Hexanone
Concen: 272.251 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

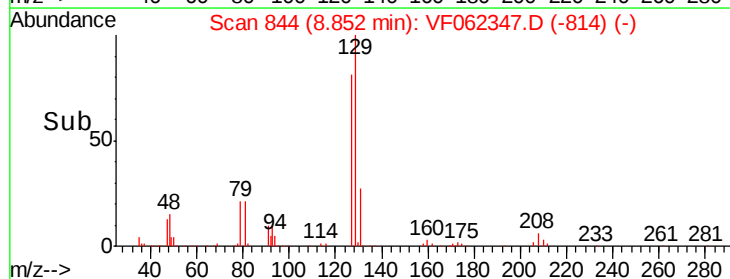
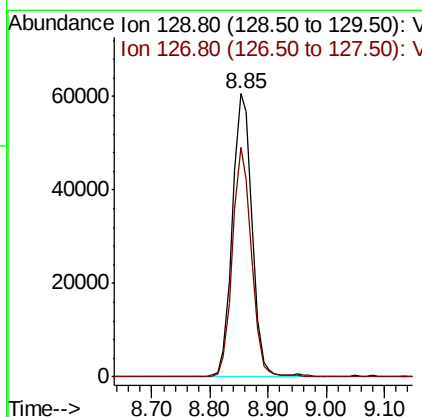
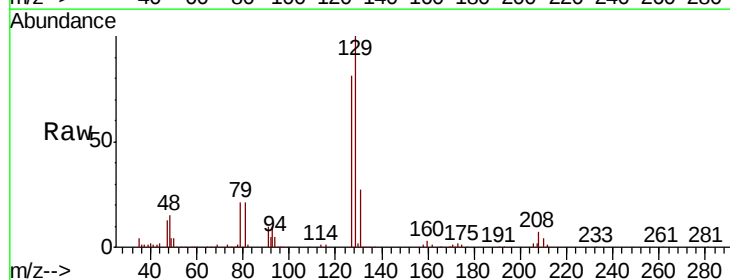
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

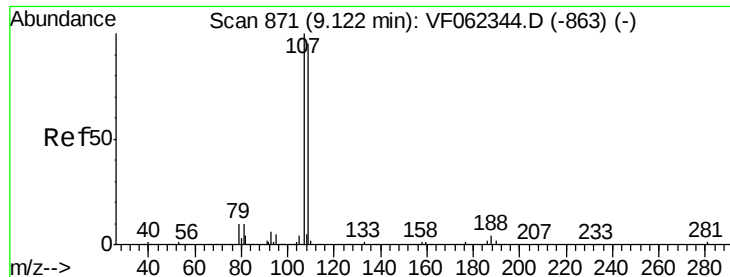
Tot Ion: 43 Resp: 241424
Ion Ratio Lower Upper
43 100
58 44.6 24.3 73.0



#60
Dibromochloromethane
Concen: 54.355 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 129 Resp: 142622
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.975 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

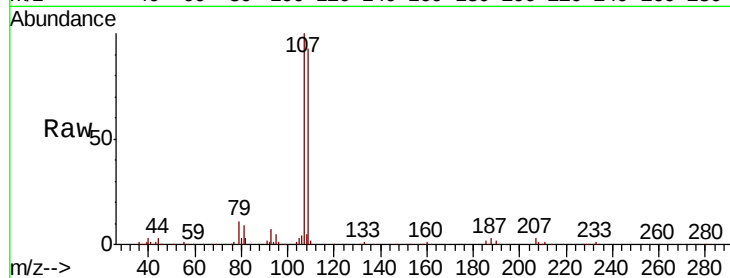
ICVVF050619

Tot Ion:107 Resp: 99889

Ion Ratio Lower Upper

107 100

109 93.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.13

50000

40000

30000

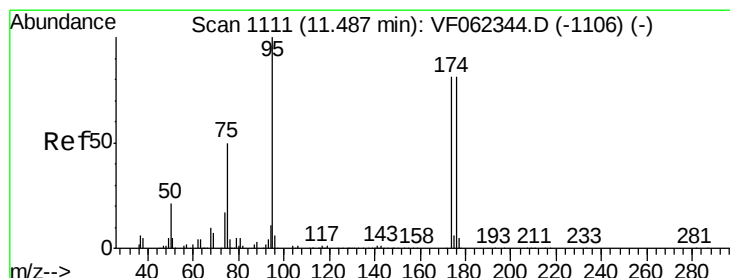
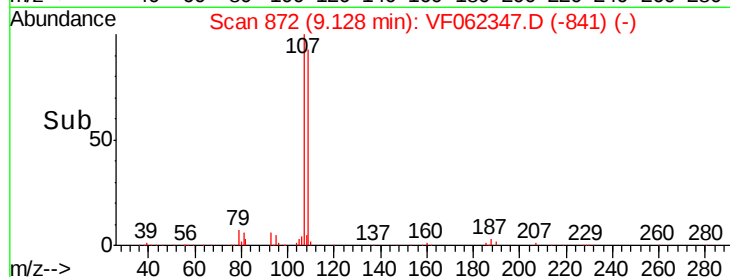
20000

10000

0

Time-->

9.00 9.10 9.20 9.30



#62

4-Bromofluorobenzene

Concen: 51.215 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

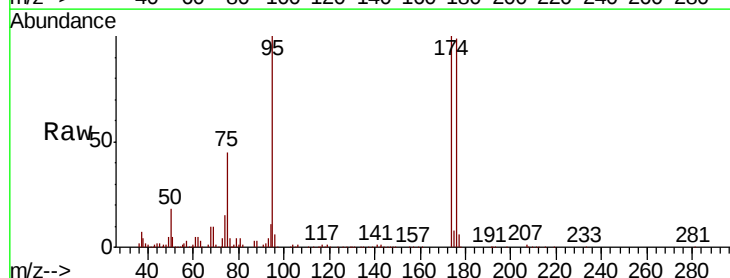
Tgt Ion: 95 Resp: 192977

Ion Ratio Lower Upper

95 100

174 94.0 0.0 191.8

176 94.5 0.0 193.2



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

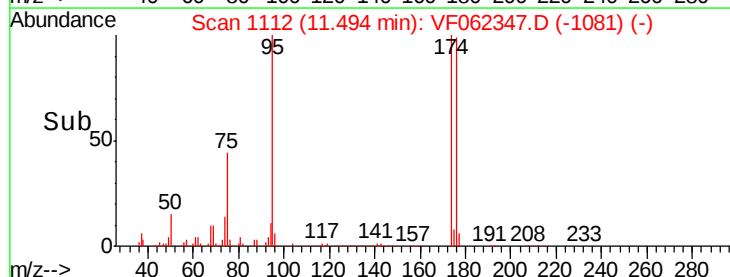
100000

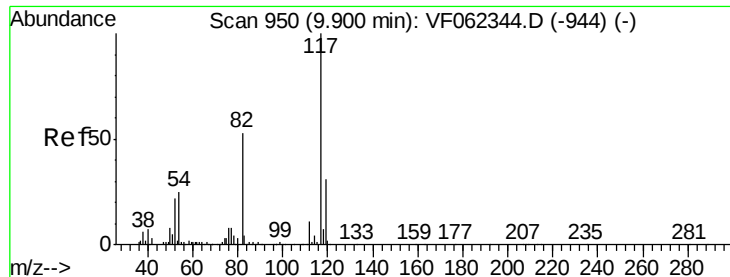
50000

0

Time-->

11.40 11.50

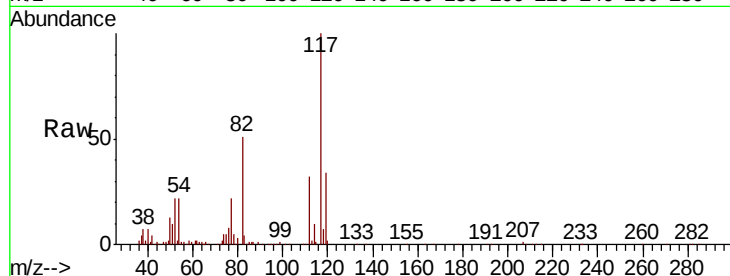




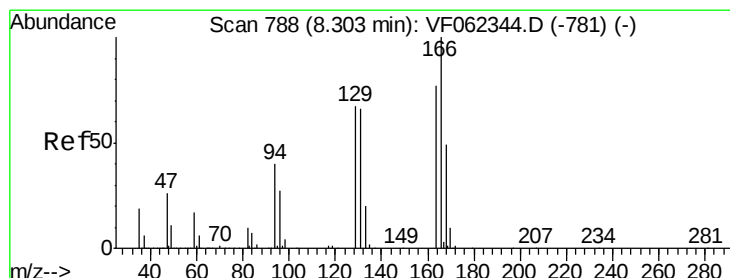
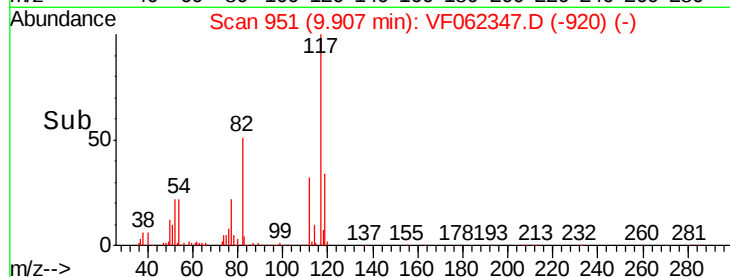
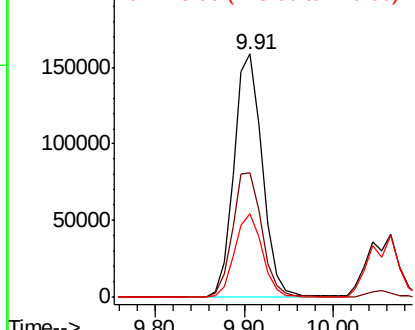
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

Tot Ion:117 Resp: 354827
Ion Ratio Lower Upper
117 100
82 51.4 42.2 63.2
119 34.4 25.0 37.4

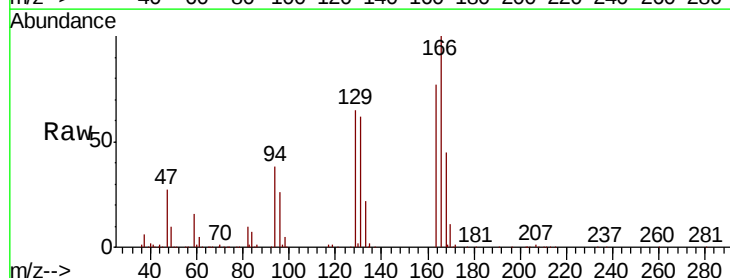


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

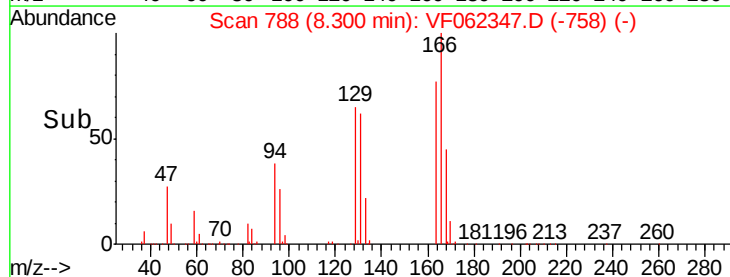
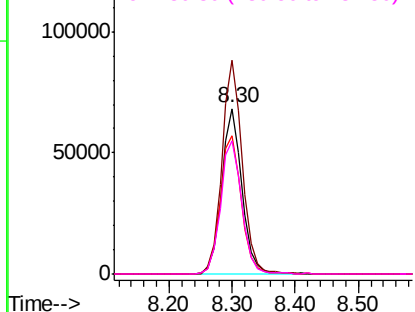


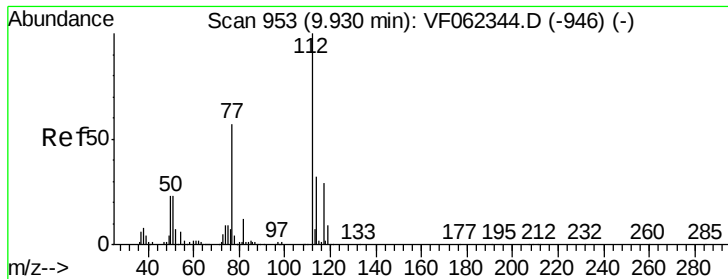
#64
Tetrachloroethene
Concen: 53.314 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion:164 Resp: 153577
Ion Ratio Lower Upper
164 100
166 129.1 104.2 156.4
129 83.6 69.6 104.4
131 80.5 68.8 103.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

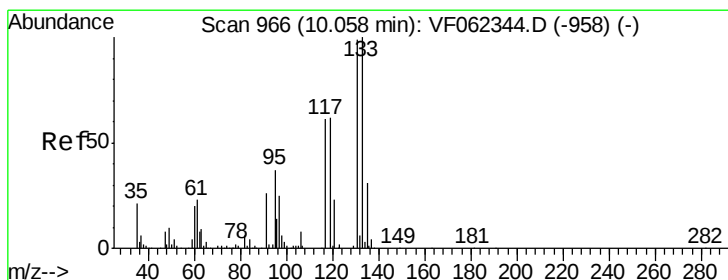
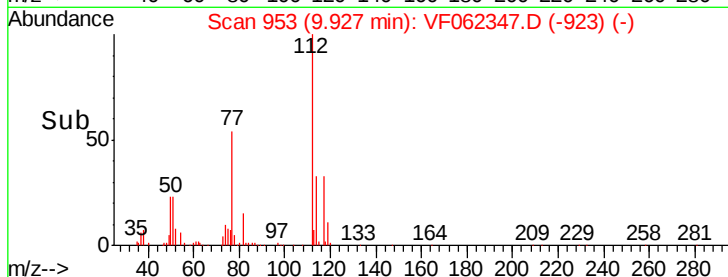
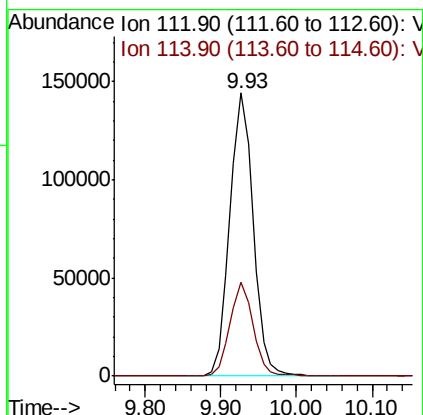
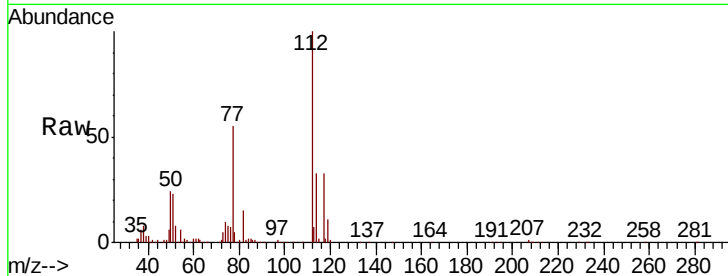




#65
Chlorobenzene
Concen: 52.684 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

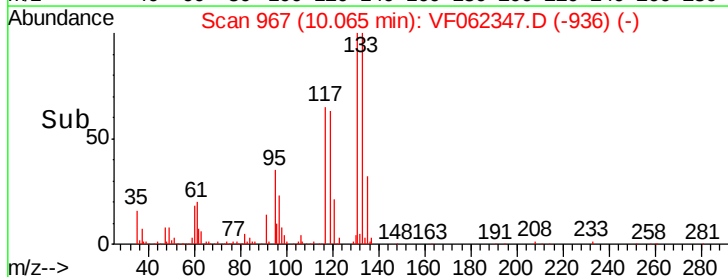
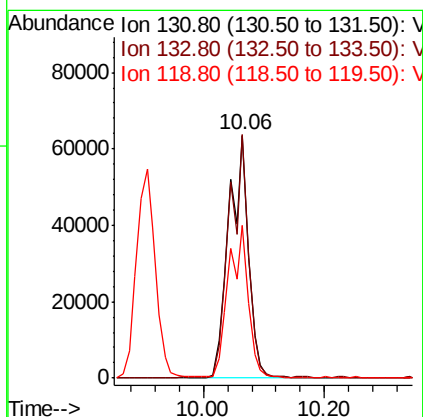
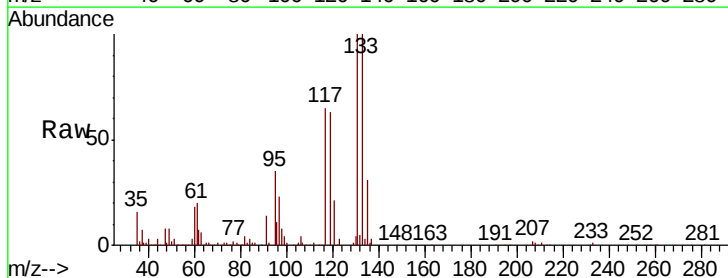
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

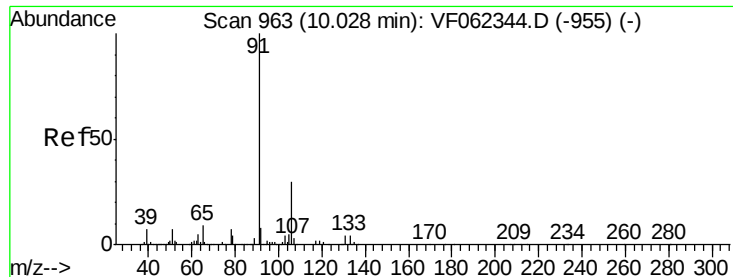
Tot Ion:112 Resp: 309299
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.259 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion:131 Resp: 142927
Ion Ratio Lower Upper
131 100
133 97.7 50.2 150.7
119 62.7 31.6 95.0





#67

Ethyl Benzene

Concen: 51.733 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

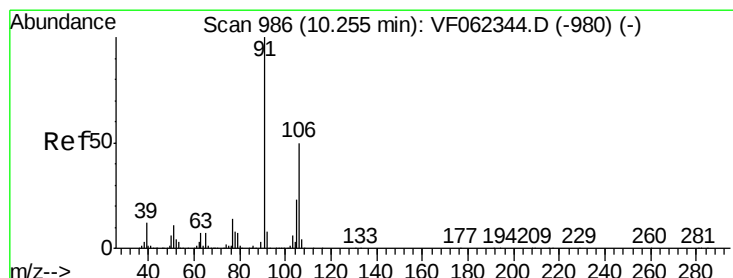
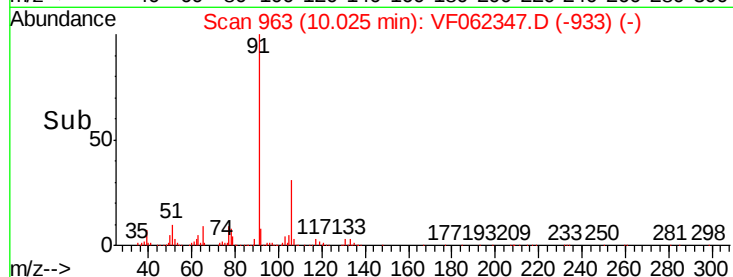
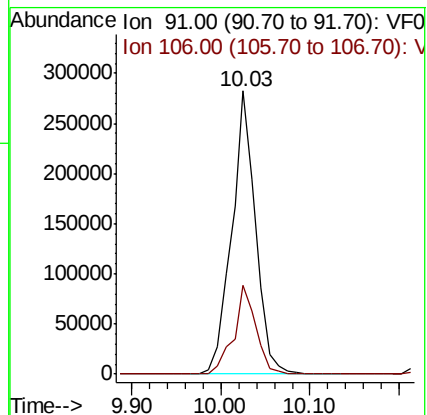
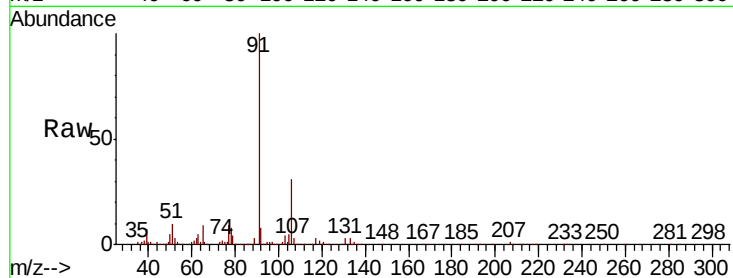
ICVVF050619

Tot Ion: 91 Resp: 531828

Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1



#68

m/p-Xylenes

Concen: 103.855 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.00 min

Lab File: VF062347.D

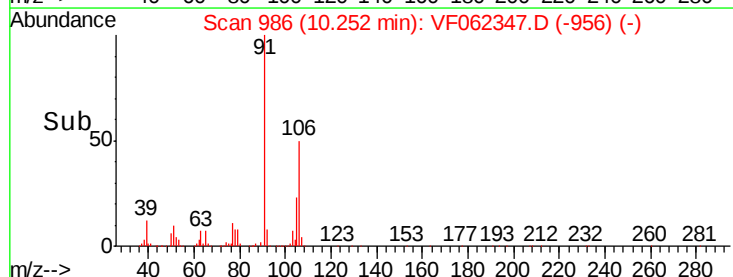
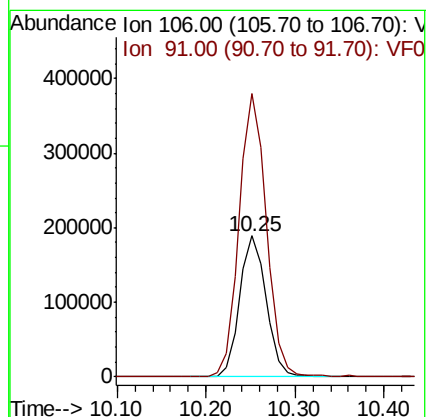
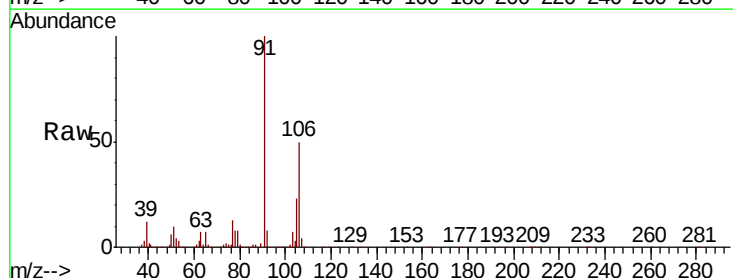
Acq: 6 May 2019 21:28

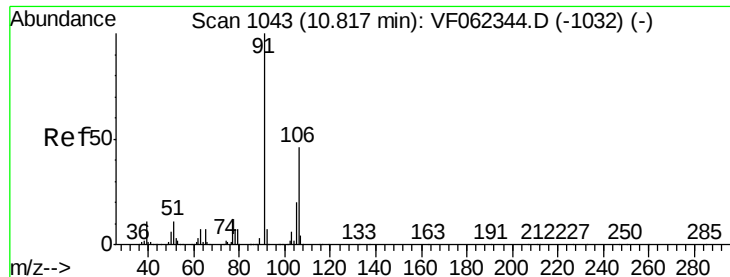
Tgt Ion: 106 Resp: 393928

Ion Ratio Lower Upper

106 100

91 205.4 167.4 251.2

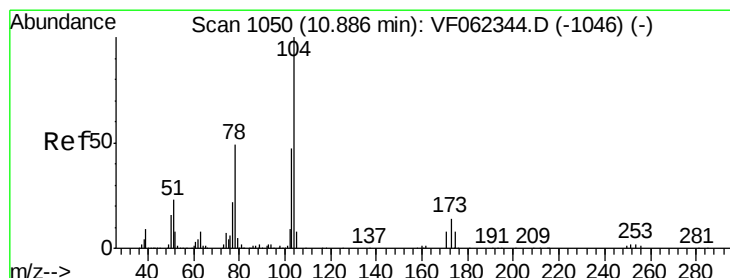
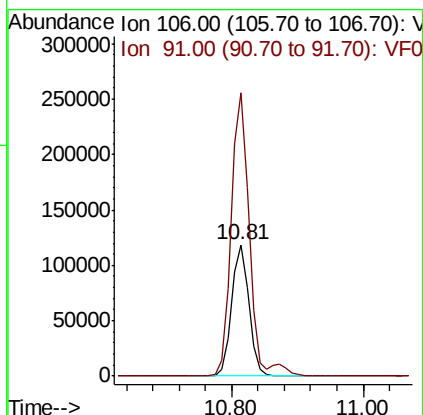
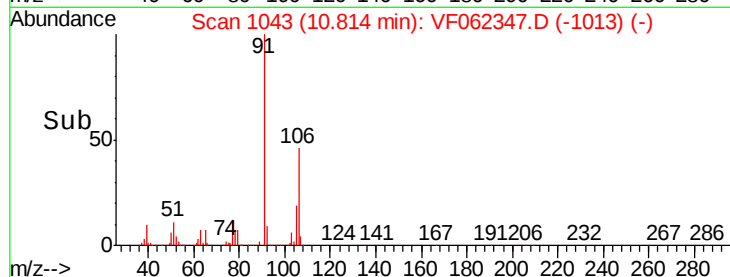
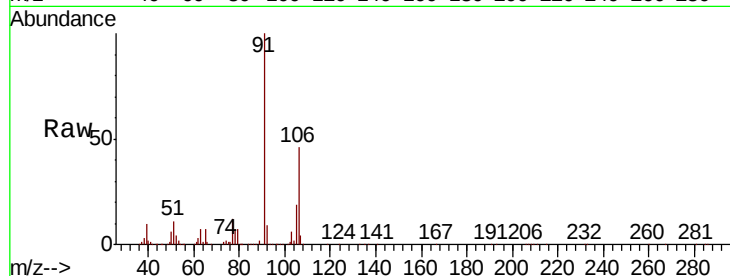




#69
o-Xylene
Concen: 53.945 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

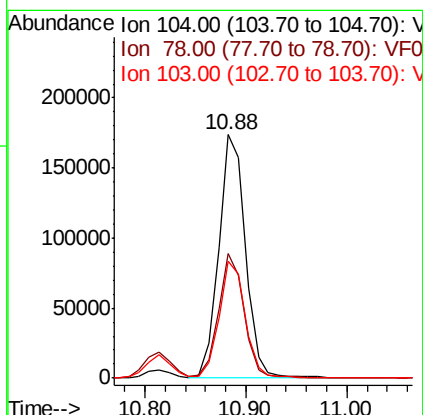
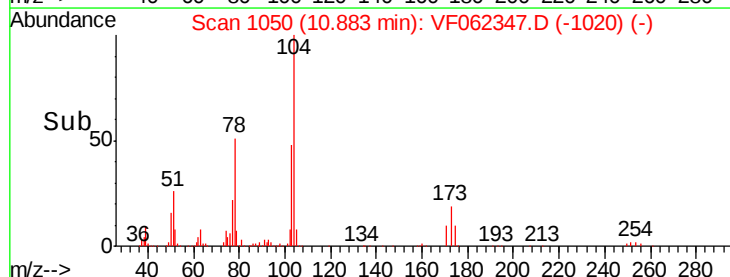
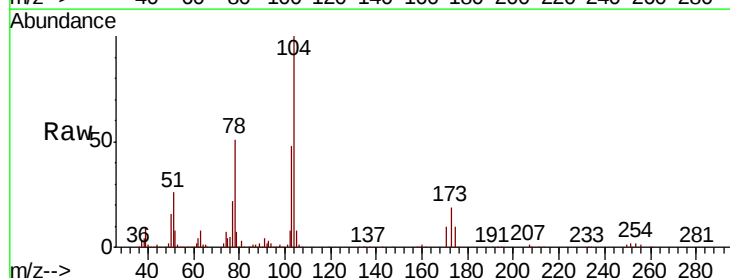
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

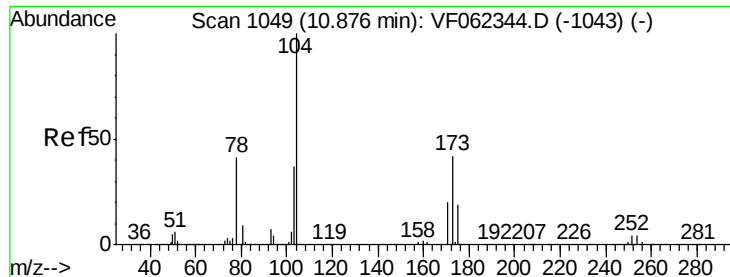
Tot Ion:106 Resp: 221105
Ion Ratio Lower Upper
106 100
91 215.9 111.3 333.8



#70
Styrene
Concen: 51.983 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion:104 Resp: 319319
Ion Ratio Lower Upper
104 100
78 48.9 39.5 59.3
103 47.3 38.4 57.6





#71

Bromoform

Concen: 52.010 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

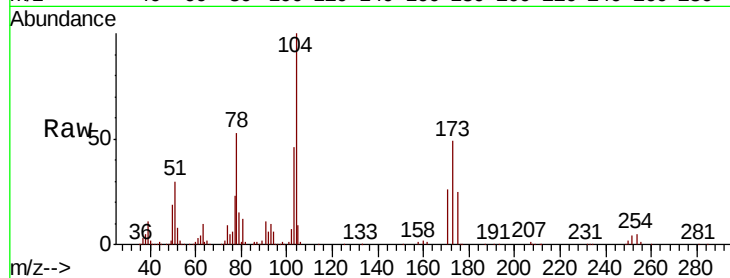
Tot Ion:173 Resp: 84389

Ion Ratio Lower Upper

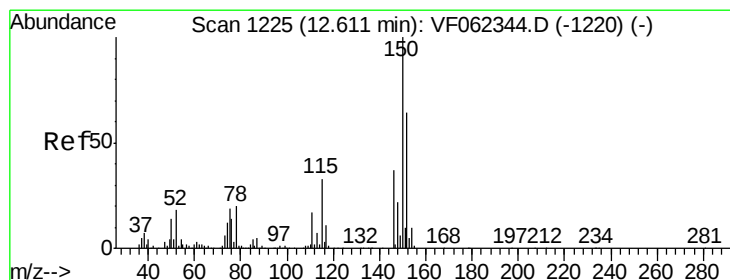
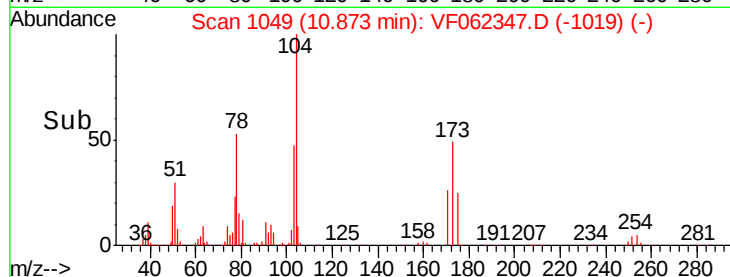
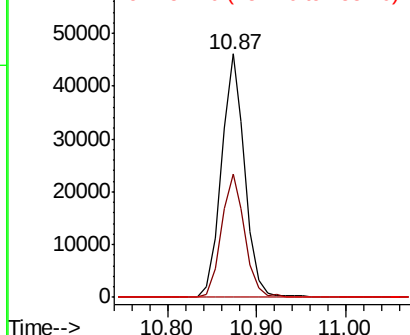
173 100

175 50.2 23.8 71.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

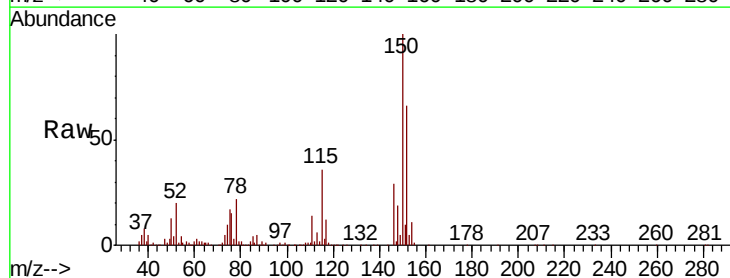
Tgt Ion:152 Resp: 210706

Ion Ratio Lower Upper

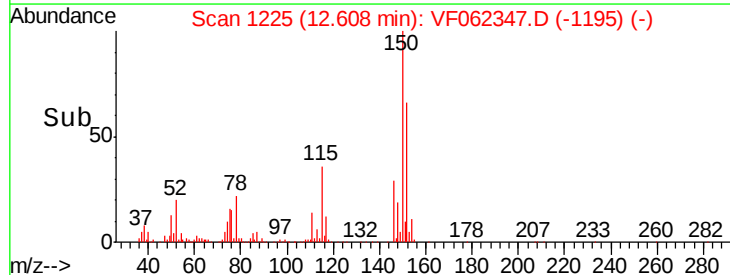
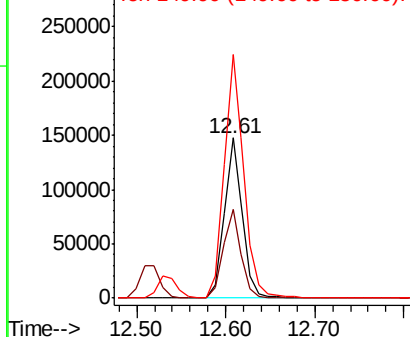
152 100

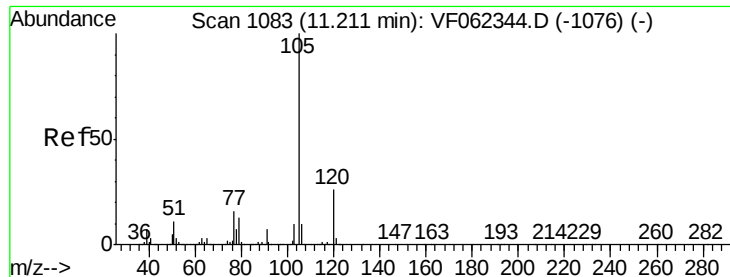
115 55.2 26.4 79.2

150 163.7 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: 54.613 ug/l

RT: 11.21 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

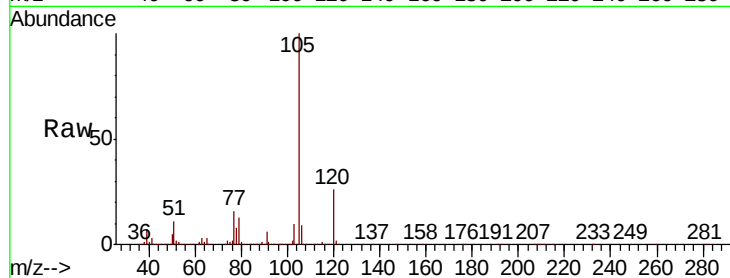
ICVVF050619

Tot Ion:105 Resp: 682191

Ion Ratio Lower Upper

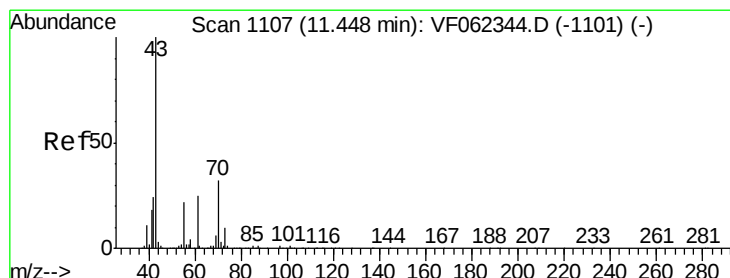
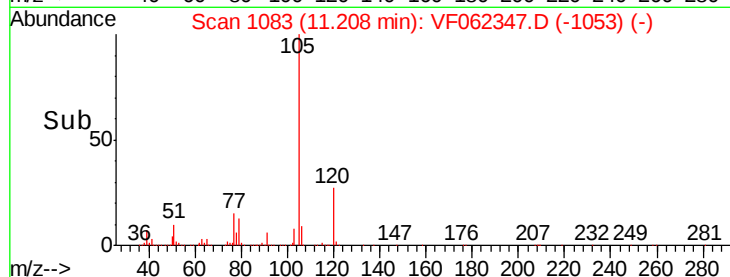
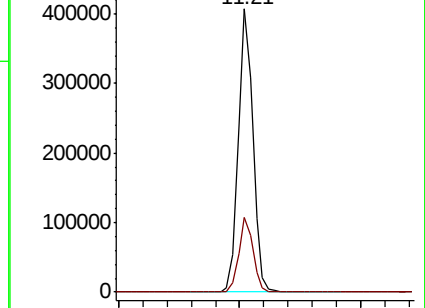
105 100

120 25.8 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: 56.189 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Tgt Ion: 43 Resp: 150684

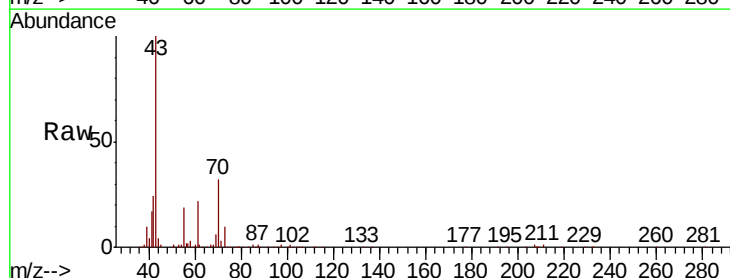
Ion Ratio Lower Upper

43 100

70 34.7 26.5 39.7

55 22.0 17.8 26.6

61 25.0 20.2 30.2

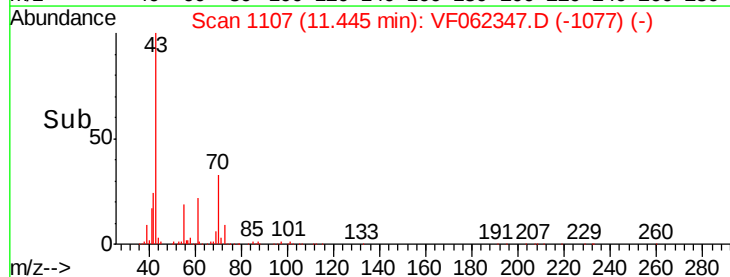
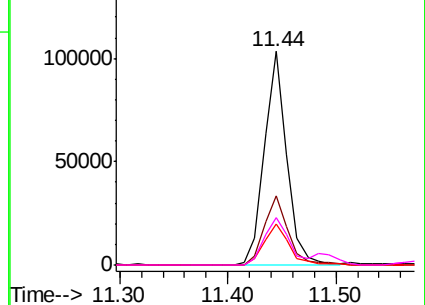


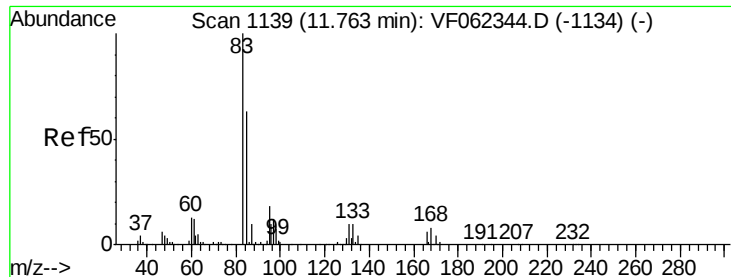
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 55.109 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

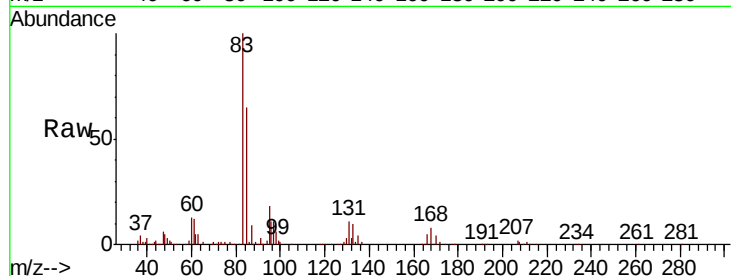
Tot Ion: 83 Resp: 107786

Ion Ratio Lower Upper

83 100

131 12.2 5.8 17.4

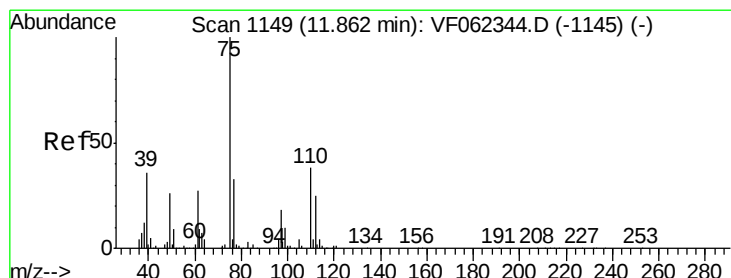
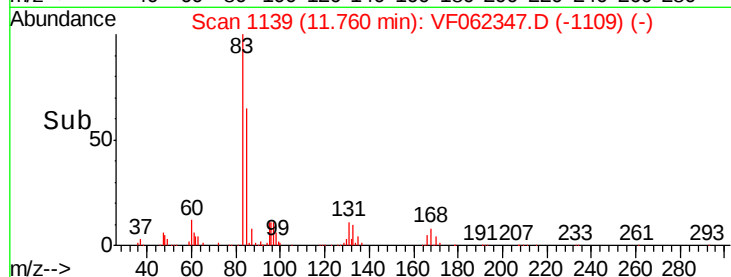
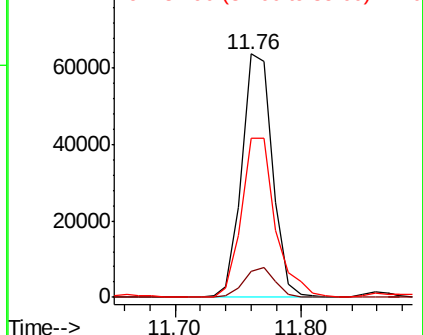
85 72.7 35.3 105.7



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: 54.647 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

Lab File: VF062347.D

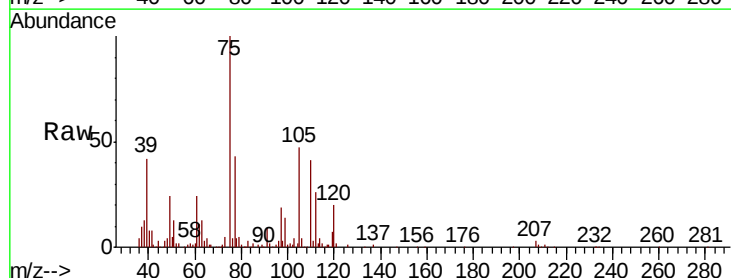
Acq: 6 May 2019 21:28

Tgt Ion: 75 Resp: 81544

Ion Ratio Lower Upper

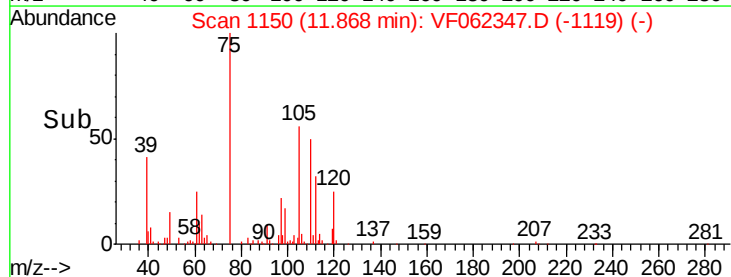
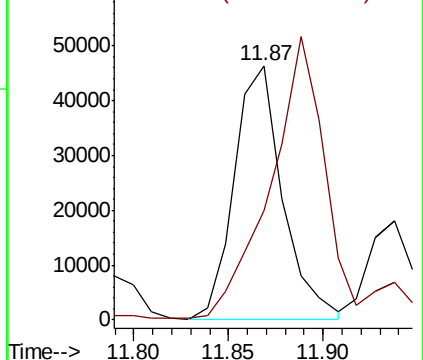
75 100

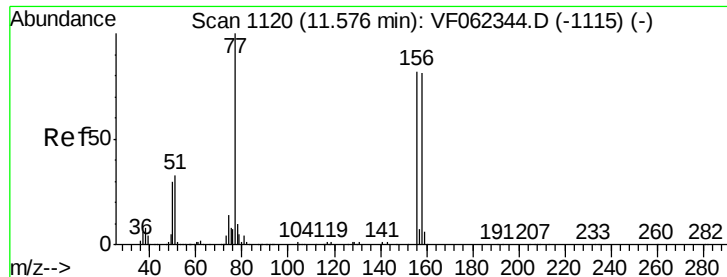
77 136.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

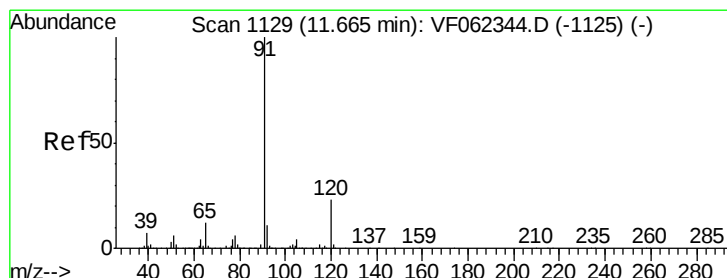
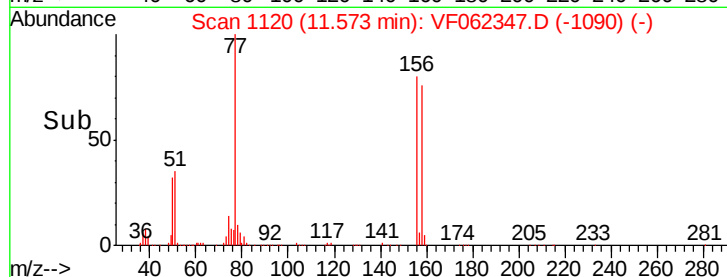
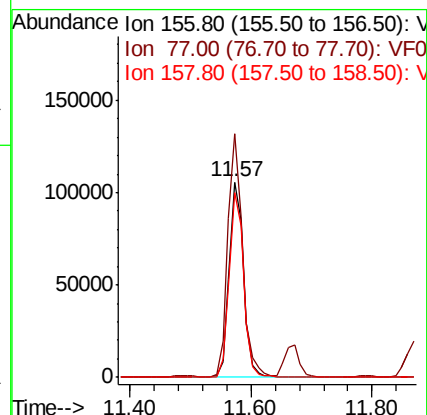
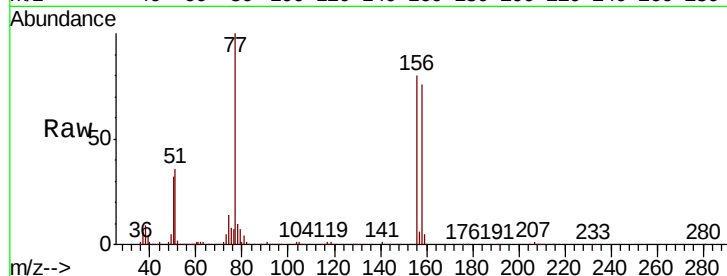




#77
Bromobenzene
Concen: 53.163 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

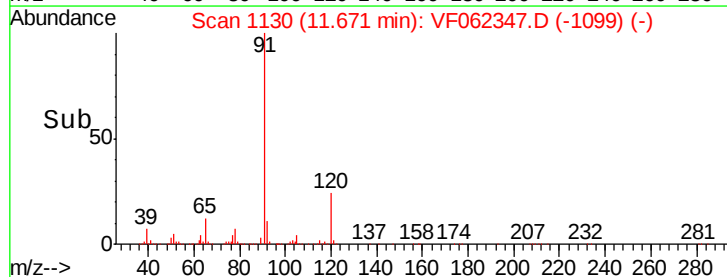
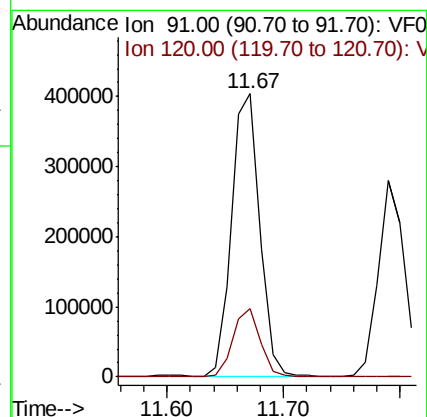
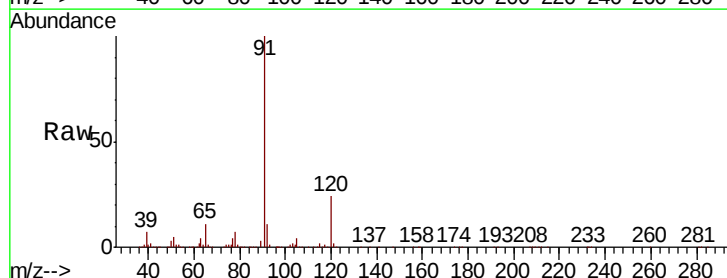
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

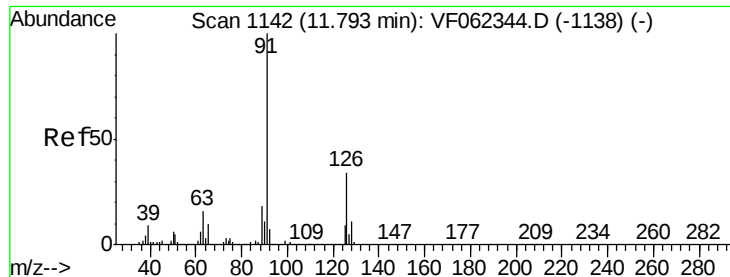
Tot Ion:156 Resp: 174286
Ion Ratio Lower Upper
156 100
77 126.1 64.8 194.3
158 95.2 49.1 147.3



#78
n-propylbenzene
Concen: 50.821 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 91 Resp: 675869
Ion Ratio Lower Upper
91 100
120 23.3 11.9 35.5





#79

2-Chlorotoluene

Concen: 52.745 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

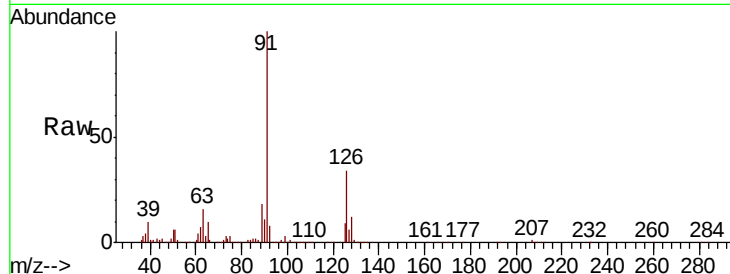
ICVVF050619

Tot Ion: 91 Resp: 436185

Ion Ratio Lower Upper

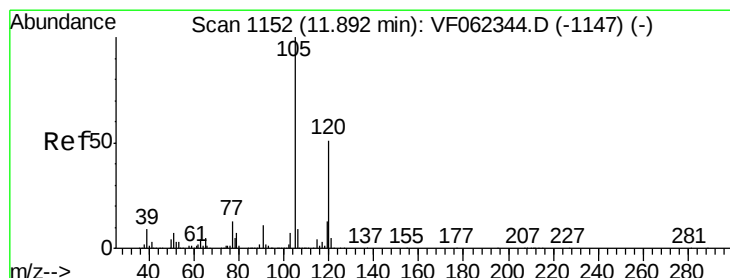
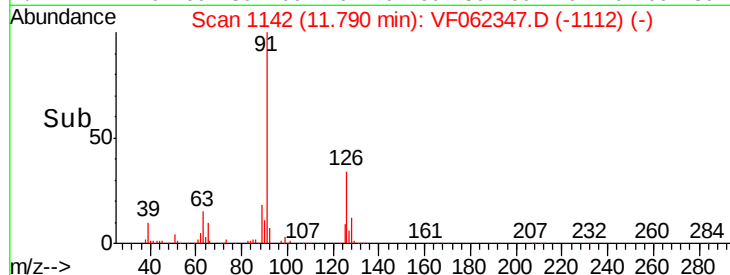
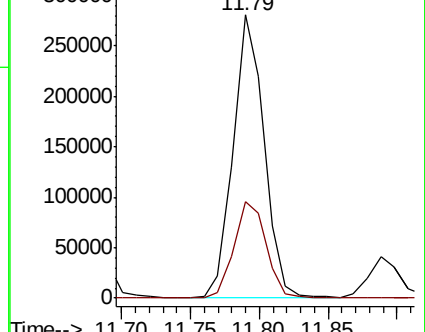
91 100

126 36.0 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.611 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF062347.D

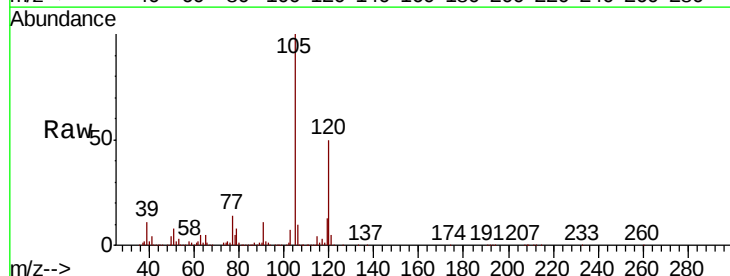
Acq: 6 May 2019 21:28

Tgt Ion:105 Resp: 576025

Ion Ratio Lower Upper

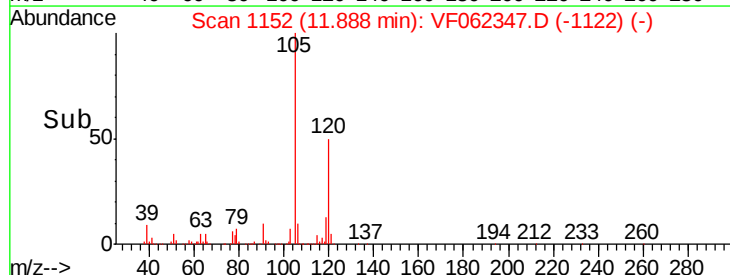
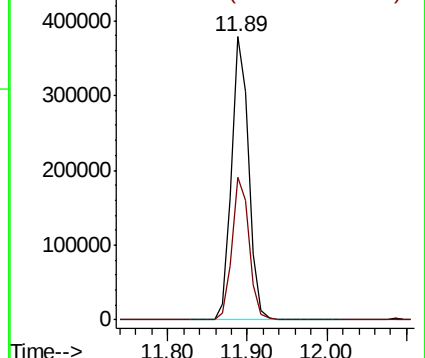
105 100

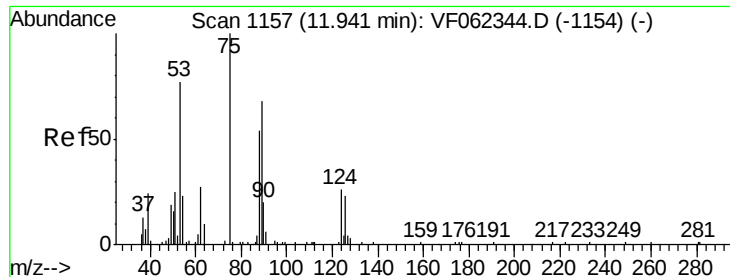
120 50.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.964 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

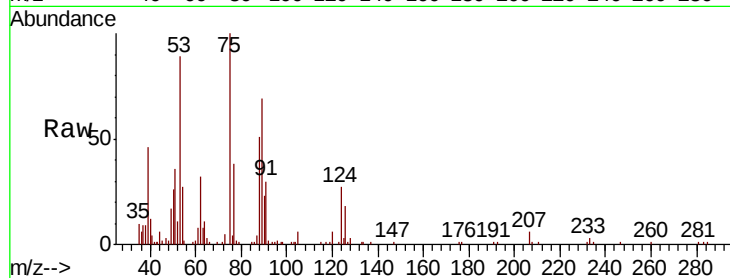
Tot Ion: 75 Resp: 41486

Ion Ratio Lower Upper

75 100

53 63.2 71.9 107.9#

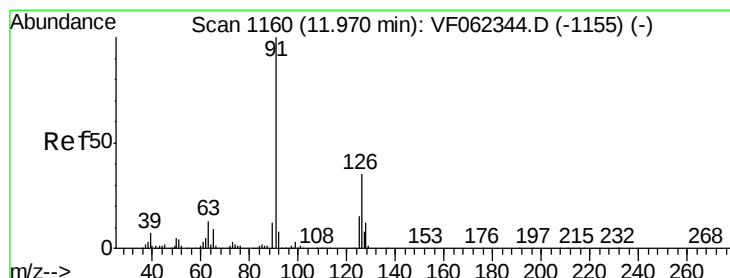
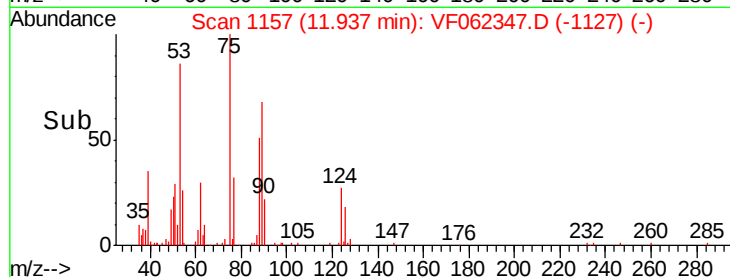
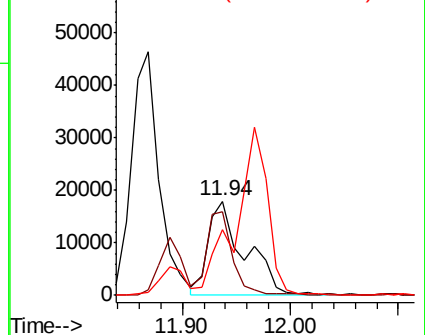
89 0.0 0.0 0.0



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: 52.266 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF062347.D

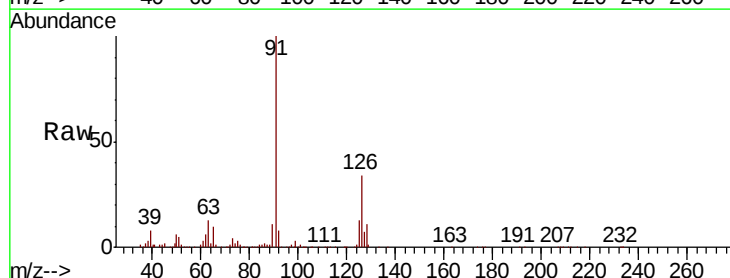
Acq: 6 May 2019 21:28

Tgt Ion: 91 Resp: 426895

Ion Ratio Lower Upper

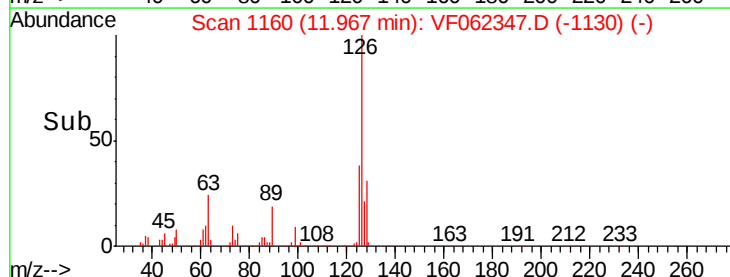
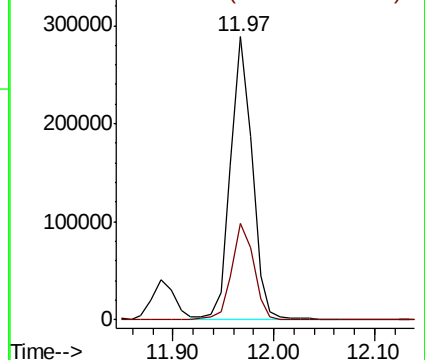
91 100

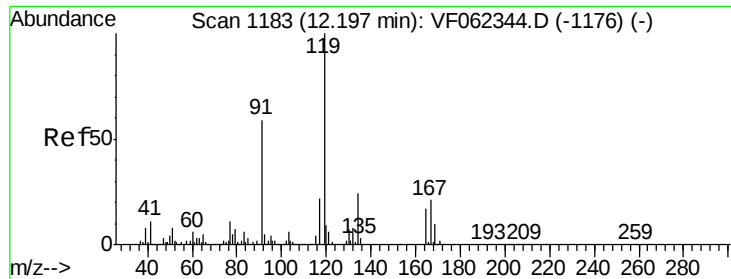
126 35.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

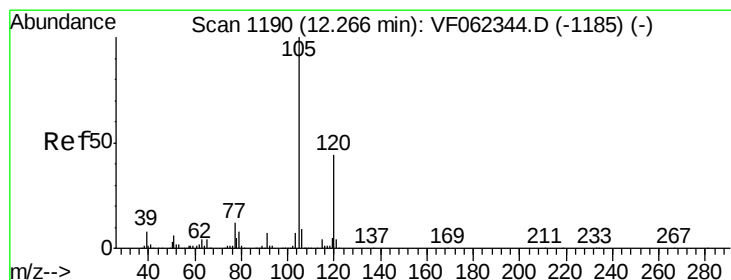
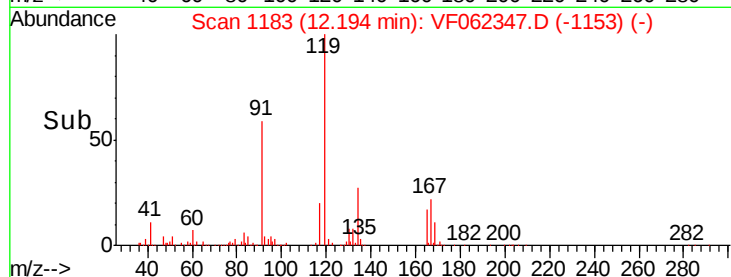
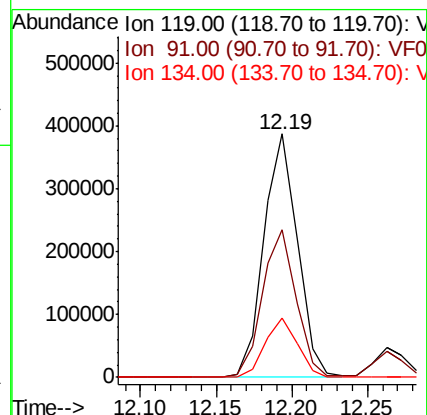
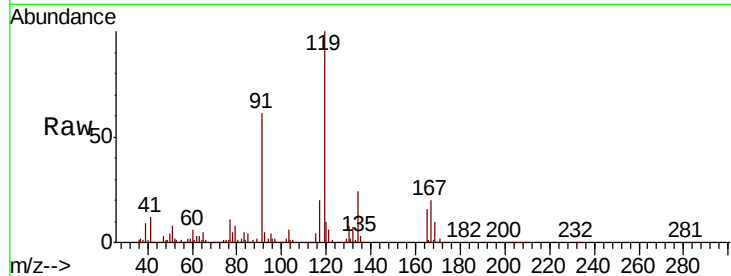




#83
tert-Butylbenzene
Concen: 51.938 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

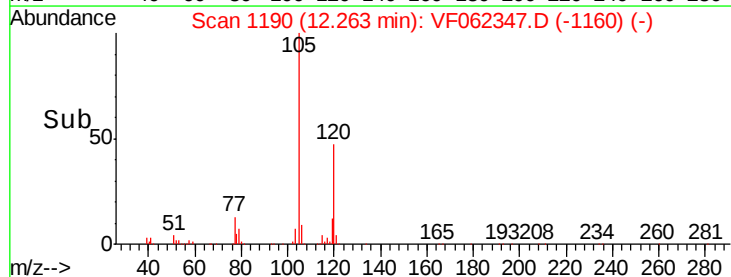
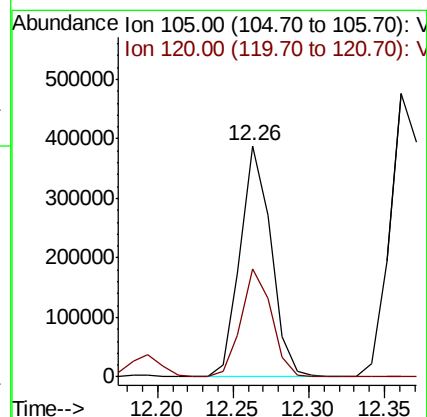
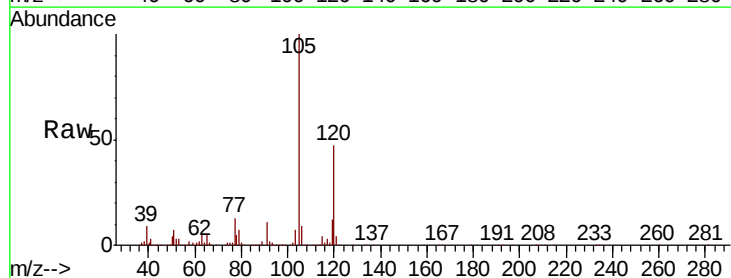
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

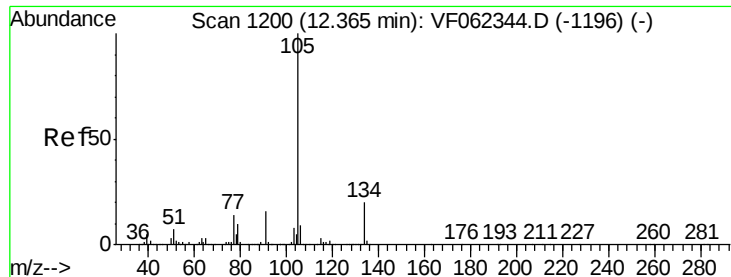
Tot Ion:119 Resp: 597624
Ion Ratio Lower Upper
119 100
91 60.7 30.4 91.3
134 23.6 11.9 35.7



#84
1,2,4-Trimethylbenzene
Concen: 51.561 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion:105 Resp: 552454
Ion Ratio Lower Upper
105 100
120 46.2 22.6 67.7





#85

sec-Butylbenzene

Concen: 52.025 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

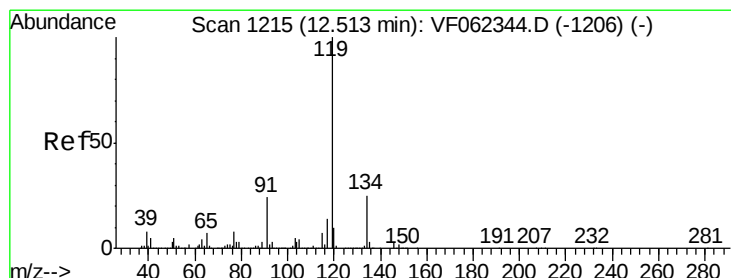
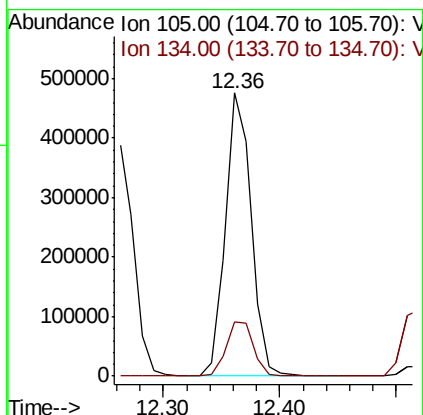
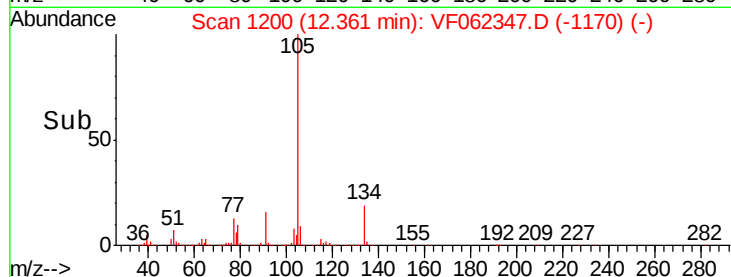
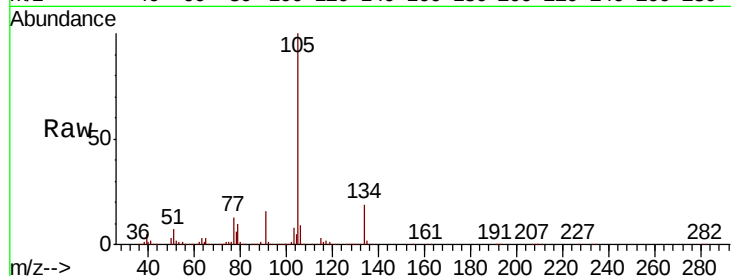
ICVVF050619

Tot Ion:105 Resp: 728636

Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.5



#86

p-Isopropyltoluene

Concen: 50.439 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

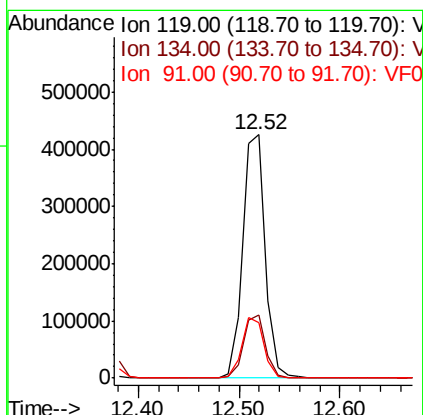
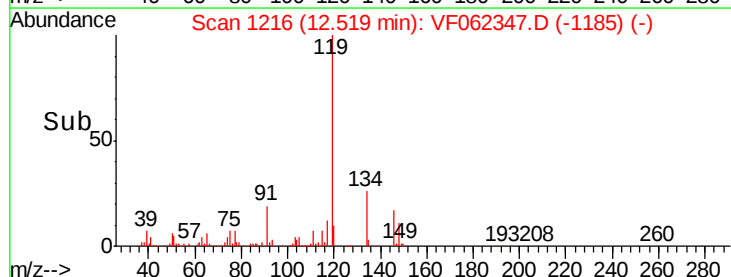
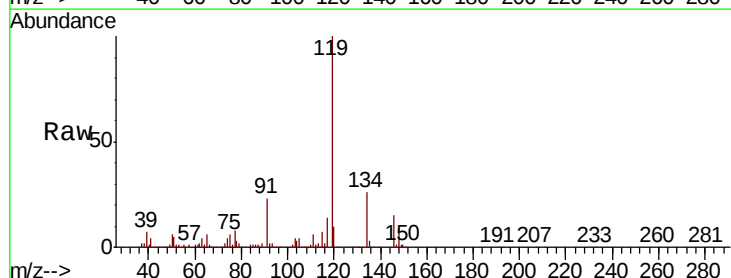
Tgt Ion:119 Resp: 656336

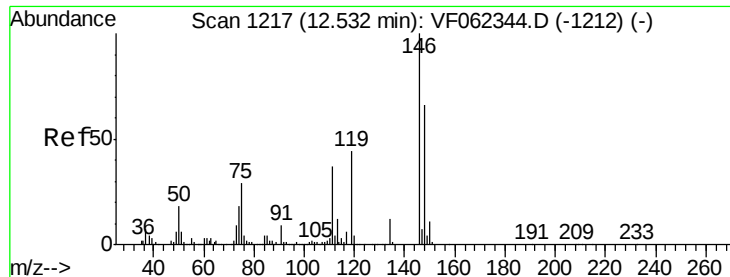
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 24.2 12.3 36.8

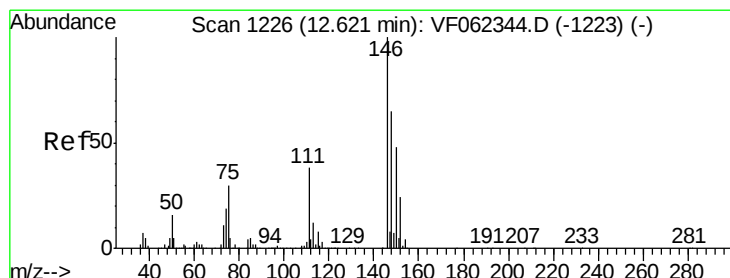
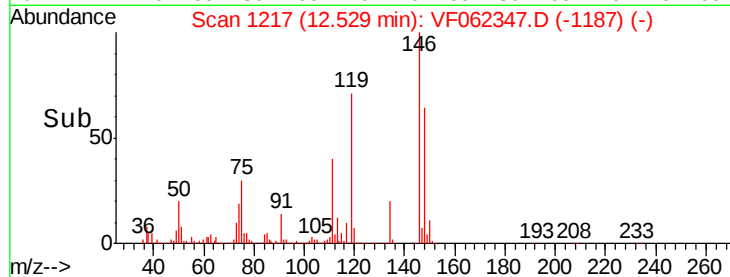
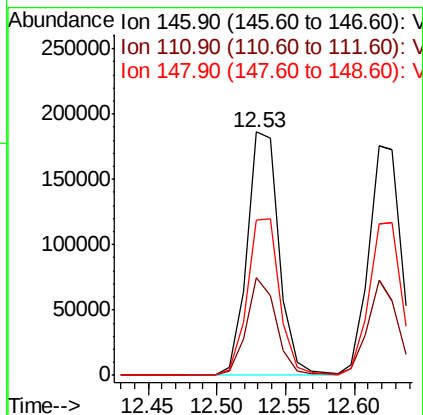
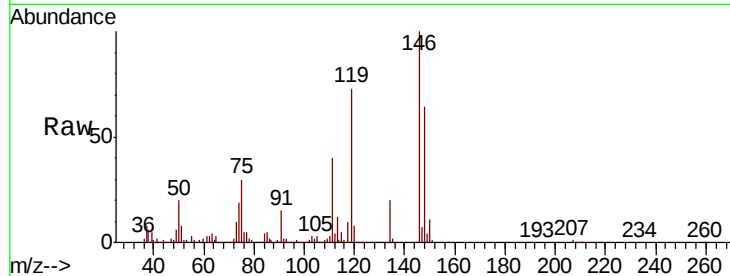




#87
 1,3-Dichlorobenzene
 Concen: 50.592 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

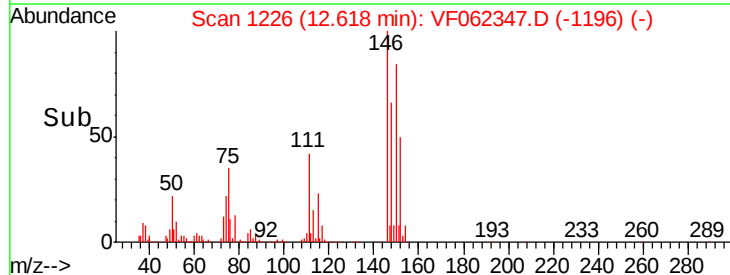
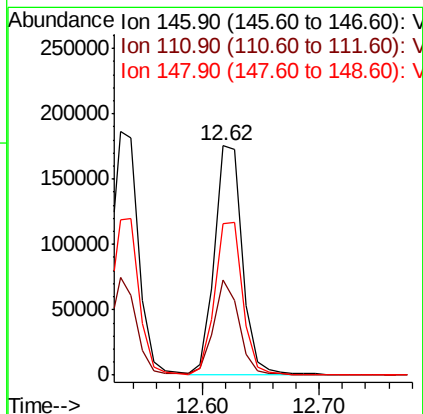
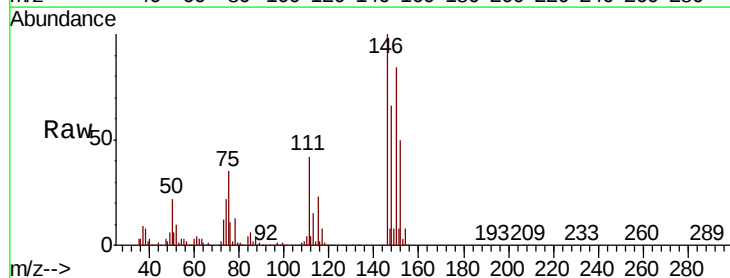
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF050619

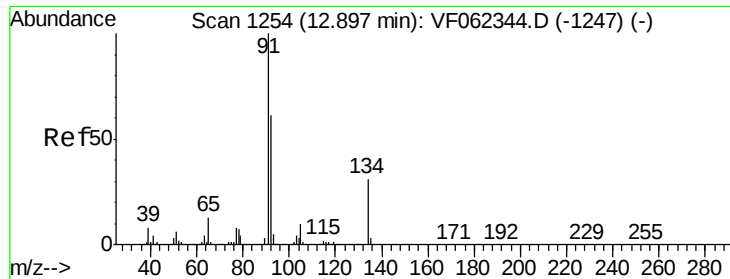
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.8
148	65.1	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 50.438 ug/l
 RT: 12.62 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.8	56.3
148	66.7	32.2	96.6

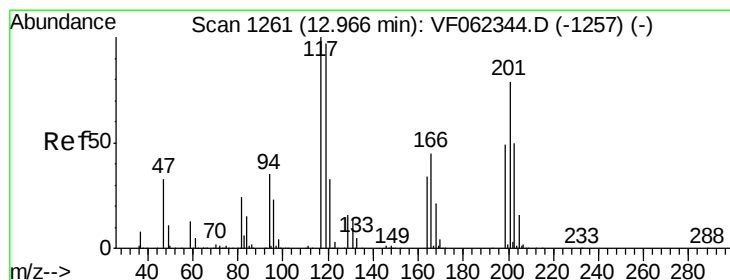
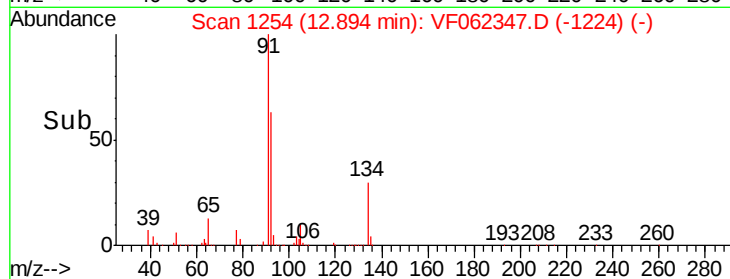
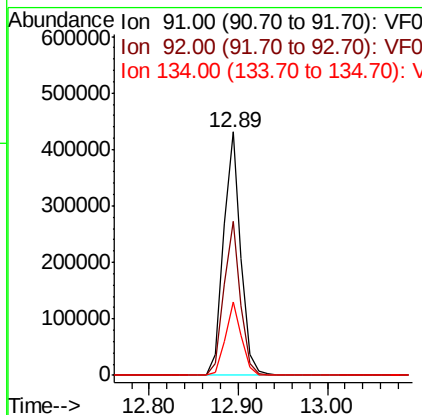
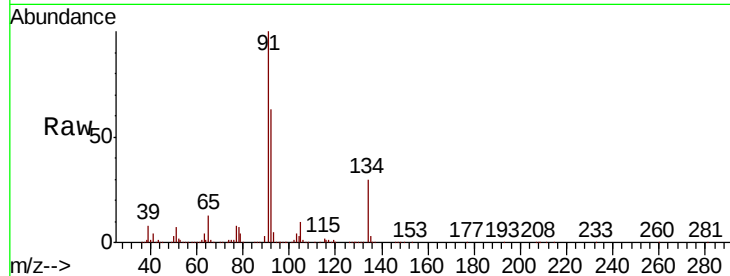




#89
n-Butylbenzene
Concen: 50.651 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

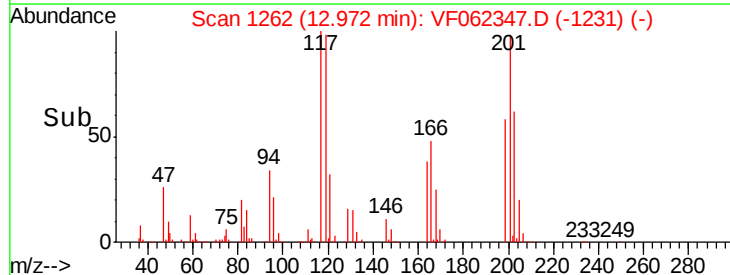
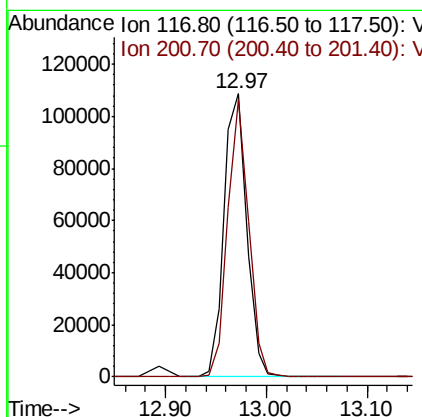
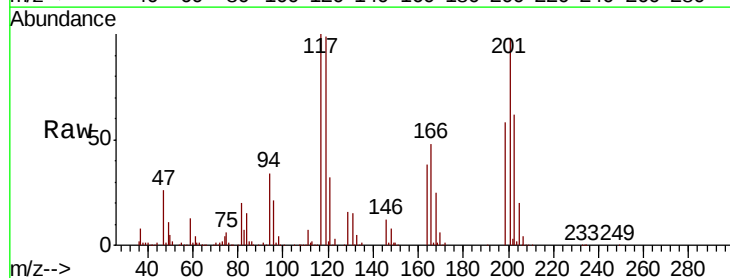
Instrument :
MSVOA_F
ClientSampleId :
ICVVF050619

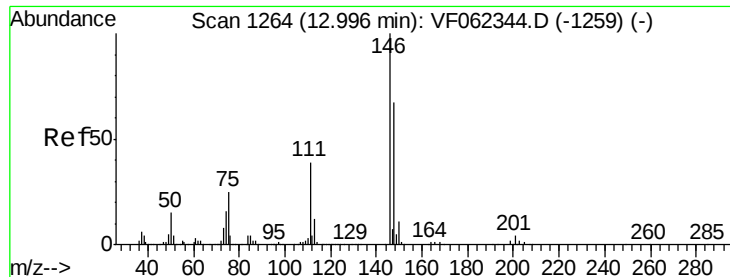
Tot Ion: 91 Resp: 586384
Ion Ratio Lower Upper
91 100
92 61.1 30.0 90.0
134 28.6 14.1 42.4



#90
Hexachloroethane
Concen: 52.547 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062347.D
Acq: 6 May 2019 21:28

Tgt Ion: 117 Resp: 170727
Ion Ratio Lower Upper
117 100
201 90.3 46.2 138.5

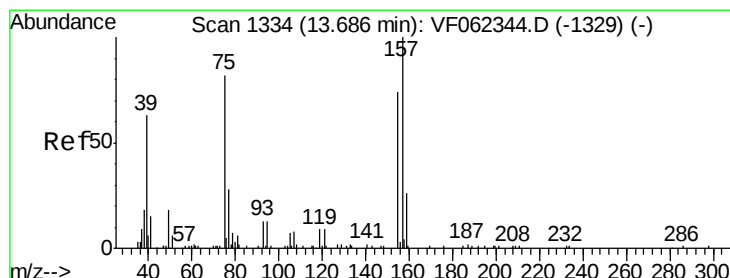
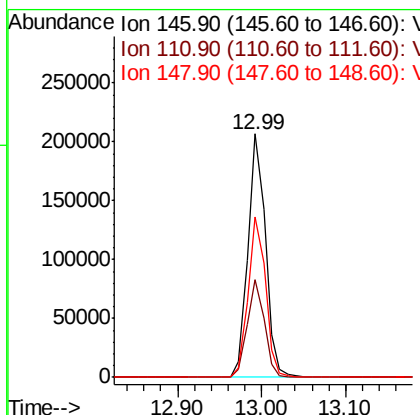
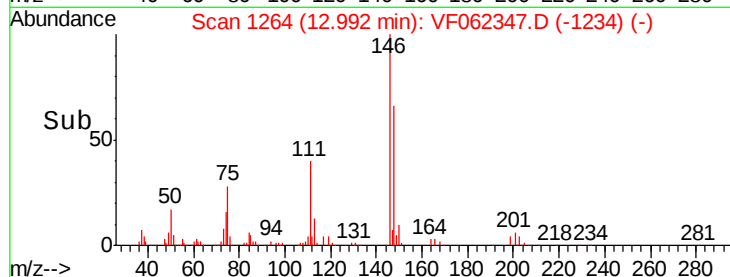
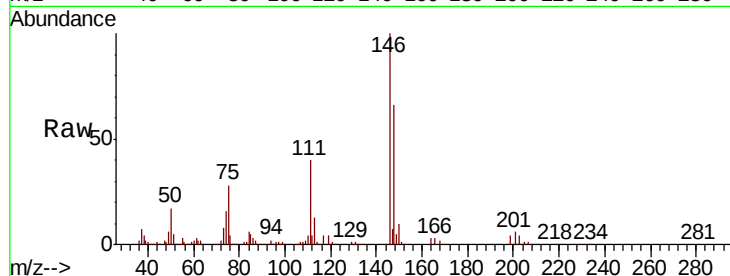




#91
 1,2-Dichlorobenzene
 Concen: 52.279 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

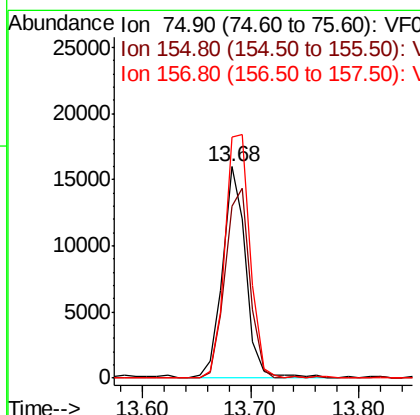
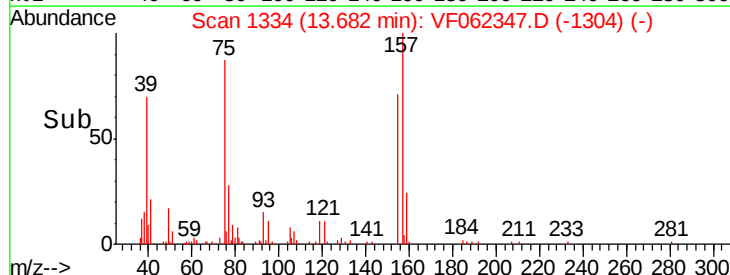
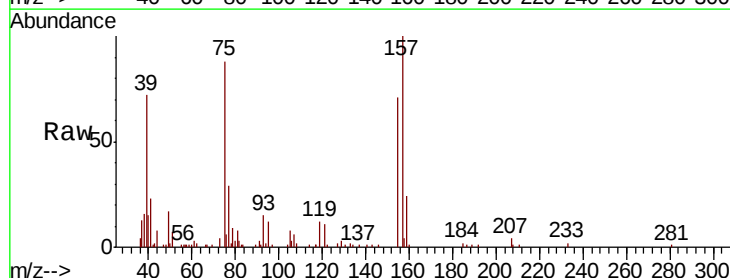
Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF050619

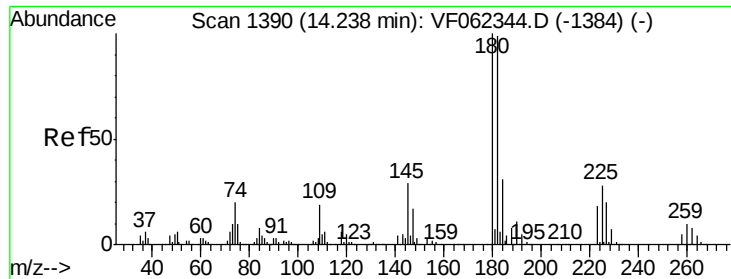
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	60.0
148	65.8	33.1	99.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.552 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.9	51.8	155.4
157	124.3	67.3	201.8

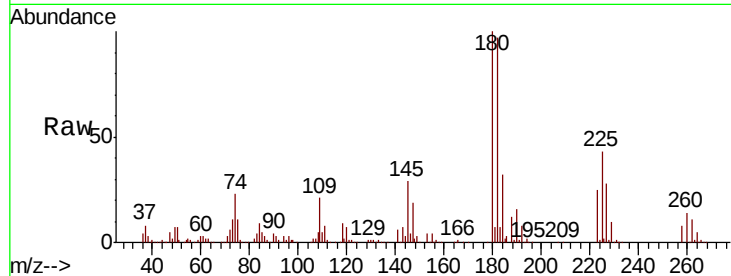




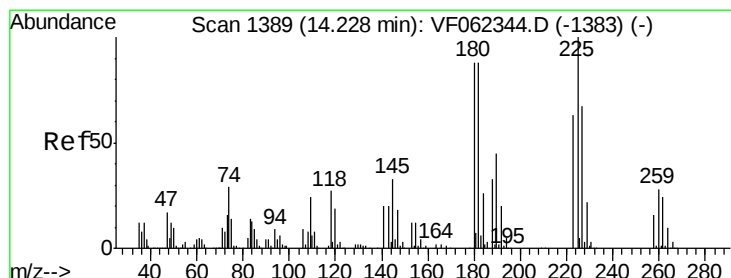
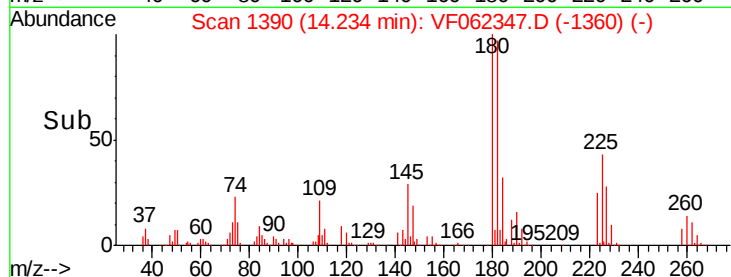
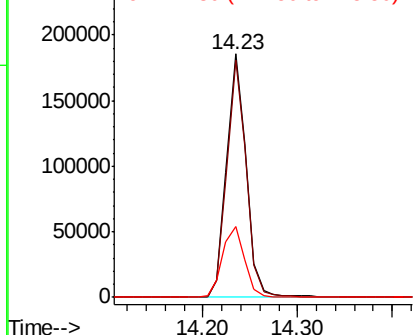
#93
 1,2,4-Trichlorobenzene
 Concen: 51.227 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF050619

Tot Ion:180 Resp: 266284
 Ion Ratio Lower Upper
 180 100
 182 96.0 49.0 147.0
 145 33.0 16.7 50.1

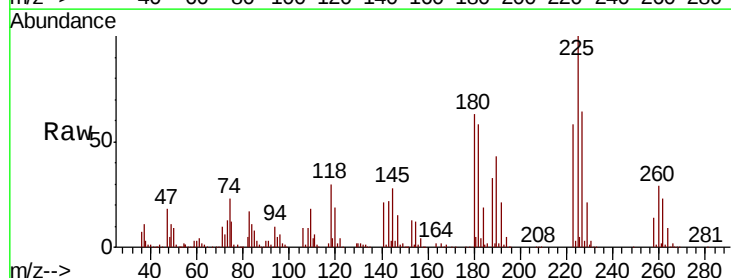


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

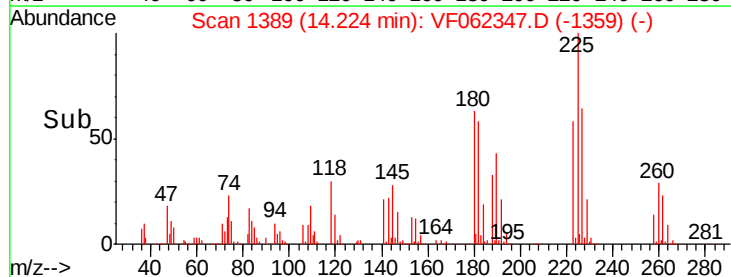
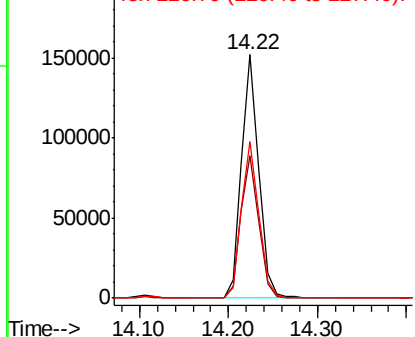


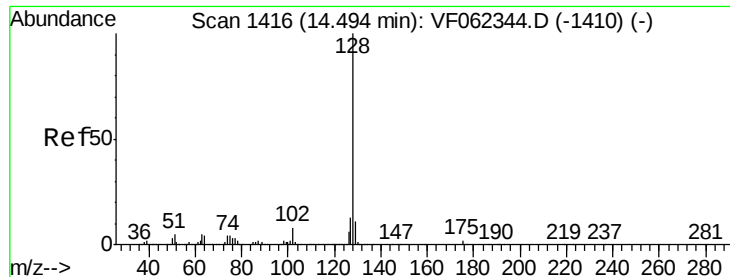
#94
 Hexachlorobutadiene
 Concen: 53.282 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062347.D
 Acq: 6 May 2019 21:28

Tgt Ion:225 Resp: 206432
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.9 95.5
 227 64.8 33.1 99.5



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





#95

Naphthalene

Concen: 55.602 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

Instrument :

MSVOA_F

ClientSampleId :

ICVVF050619

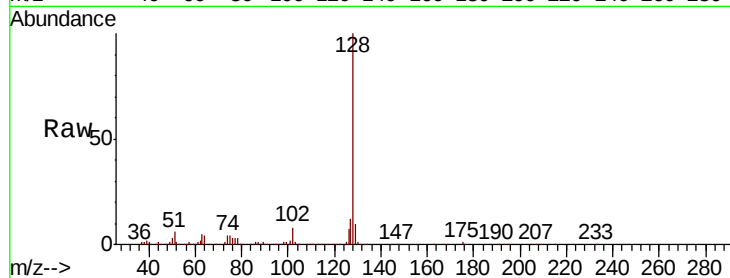
Tot Ion:128 Resp: 434524

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

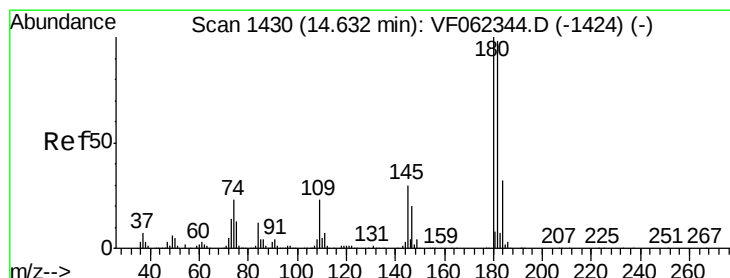
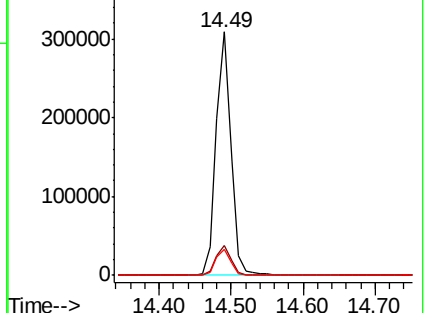
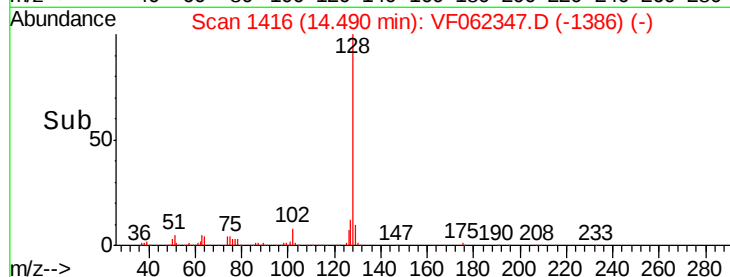
129 11.0 8.6 12.8



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: 52.845 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VF062347.D

Acq: 6 May 2019 21:28

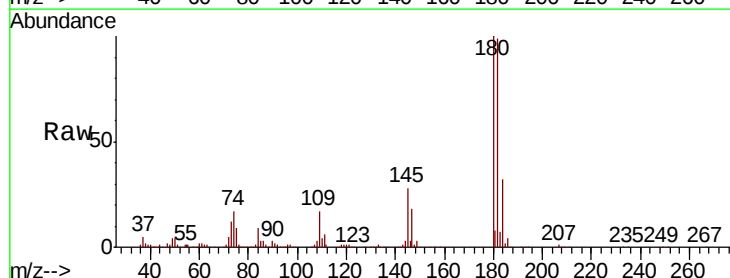
Tgt Ion:180 Resp: 266122

Ion Ratio Lower Upper

180 100

182 96.7 49.4 148.0

145 29.9 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

