

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062905.D
 Acq On : 10 Jun 2019 13:56
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 11 01:18:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	841562	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.78	114	1394876	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.92	117	1063095	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	499802	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	277090	47.61	ug/l	-0.02
Spiked Amount			Recovery	=	95.22%	
35) Dibromofluoromethane	4.32	113	524950	49.80	ug/l	-0.02
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	7.71	98	1352389	50.74	ug/l	-0.03
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.49	95	448488	46.78	ug/l	-0.02
Spiked Amount			Recovery	=	93.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	446770	46.628	ug/l	98
3) Chloromethane	1.14	50	397210	45.616	ug/l	96
4) Vinyl Chloride	1.19	62	412176	47.633	ug/l	92
5) Bromomethane	1.39	94	248362	50.328	ug/l	96
6) Chloroethane	1.45	64	167924	51.903	ug/l	94
7) Trichlorofluoromethane	1.56	101	646962	52.813	ug/l	94
8) Diethyl Ether	1.71	74	116321	48.264	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.91	101	369963	48.037	ug/l	98
10) Methyl Iodide	1.99	142	598656	38.767	ug/l	99
11) Tert butyl alcohol	2.70	59	94503	268.065	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	332308	47.517	ug/l	99
13) Acrolein	2.10	56	36315	258.119	ug/l #	74
14) Allyl chloride	2.20	41	385093	70.979	ug/l	95
15) Acrylonitrile	3.09	53	381389	287.909	ug/l	98
16) Acetone	2.35	43	350252	262.963	ug/l	100
17) Carbon Disulfide	1.91	76	966428	47.281	ug/l	99
18) Methyl Acetate	2.46	43	101028	43.405	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	622260	49.112	ug/l	100
20) Methylene Chloride	2.35	84	202902	29.177	ug/l	98
21) trans-1,2-Dichloroethene	2.42	96	357005	50.914	ug/l	98
22) Diisopropyl ether	2.94	45	754506	48.949	ug/l	95
23) Vinyl Acetate	3.35	43	2744568	260.082	ug/l	97
24) 1,1-Dichloroethane	3.02	63	609904	52.994	ug/l	99
25) 2-Butanone	4.52	43	774275	249.622	ug/l	98
26) 2,2-Dichloropropane	3.78	77	419526	64.199	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	638649	54.184	ug/l	95
28) Bromochloromethane	3.90	49	330134	52.735	ug/l	96
29) Tetrahydrofuran	4.27	42	305342	257.380	ug/l	99
30) Chloroform	4.05	83	839325	51.746	ug/l	94
31) Cyclohexane	3.87	56	788598	50.611	ug/l	99
32) 1,1,1-Trichloroethane	4.30	97	562499	59.562	ug/l	95
36) 1,1-Dichloropropene	4.47	75	668347	52.047	ug/l	98
37) Ethyl Acetate	4.31	43	237128	48.308	ug/l #	77
38) Carbon Tetrachloride	4.19	117	503772	58.048	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	869928	54.432	ug/l	97
40) Benzene	4.83	78	1957460	52.377	ug/l	99
41) Methacrylonitrile	4.94	41	144691	53.023	ug/l	94
42) 1,2-Dichloroethane	5.14	62	369408	51.971	ug/l	98
43) Isopropyl Acetate	7.12	43	316958	48.880	ug/l	98
44) Trichloroethene	5.69	130	549851	52.132	ug/l	100
45) 1,2-Dichloropropane	6.41	63	499793	53.292	ug/l	99
46) Dibromomethane	6.26	93	297807	54.389	ug/l	94
47) Bromodichloromethane	6.55	83	598824	53.700	ug/l	98
48) Methyl methacrylate	6.88	41	176701	52.875	ug/l	98
49) 1,4-Dioxane	6.87	88	46954	1065.940	ug/l	86
51) 4-Methyl-2-Pentanone	8.40	43	1187238	256.450	ug/l	99
52) Toluene	7.79	92	1081494	53.728	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	493571	53.414	ug/l	99
54) cis-1,3-Dichloropropene	7.46	75	706209	52.798	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	317380	52.777	ug/l	99
56) Ethyl methacrylate	8.75	69	334335	51.816	ug/l	97
57) 1,3-Dichloropropane	9.00	76	522010	53.157	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	528638	234.426	ug/l	96
59) 2-Hexanone	9.62	43	797761	241.763	ug/l	99
60) Dibromochloromethane	8.86	129	417963	56.139	ug/l	98
61) 1,2-Dibromoethane	9.13	107	333598	53.415	ug/l	94
64) Tetrachloroethene	8.31	164	420216	51.439	ug/l	98
65) Chlorobenzene	9.94	112	1067055	51.975	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	453388	55.452	ug/l	97
67) Ethyl Benzene	10.03	91	1855516	52.668	ug/l	98
68) m/p-Xylenes	10.26	106	1369161	101.559	ug/l	99
69) o-Xylene	10.81	106	734385	53.803	ug/l	99
70) Styrene	10.89	104	1058102	52.594	ug/l	98
71) Bromoform	10.88	173	227035	57.883	ug/l #	97
73) Isopropylbenzene	11.22	105	1860843	53.359	ug/l	99
74) N-amyl acetate	11.44	43	454842	46.275	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.77	83	388596	52.178	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	248877	50.415	ug/l	94
77) Bromobenzene	11.58	156	455489	51.982	ug/l	96
78) n-propylbenzene	11.67	91	2140229	50.827	ug/l	97
79) 2-Chlorotoluene	11.80	91	1217900	50.548	ug/l	92
80) 1,3,5-Trimethylbenzene	11.90	105	1476117	51.758	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	133755	63.998	ug/l	90
82) 4-Chlorotoluene	11.97	91	1203194	50.814	ug/l	95
83) tert-Butylbenzene	12.19	119	1604831	56.789	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1479925	54.730	ug/l	97
85) sec-Butylbenzene	12.37	105	2112343	56.727	ug/l	98
86) p-Isopropyltoluene	12.52	119	1675967	54.073	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	802749	51.946	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	758256	52.577	ug/l	97
89) n-Butylbenzene	12.89	91	1659566	53.228	ug/l	97
90) Hexachloroethane	12.97	117	448068	59.272	ug/l	93
91) 1,2-Dichlorobenzene	12.99	146	724531	53.342	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	46916	57.823	ug/l	85

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Instrument :
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Quant Title : SW846 8260
QLast Update : Fri May 31 04:18:30 2019
Response via : Initial Calibration

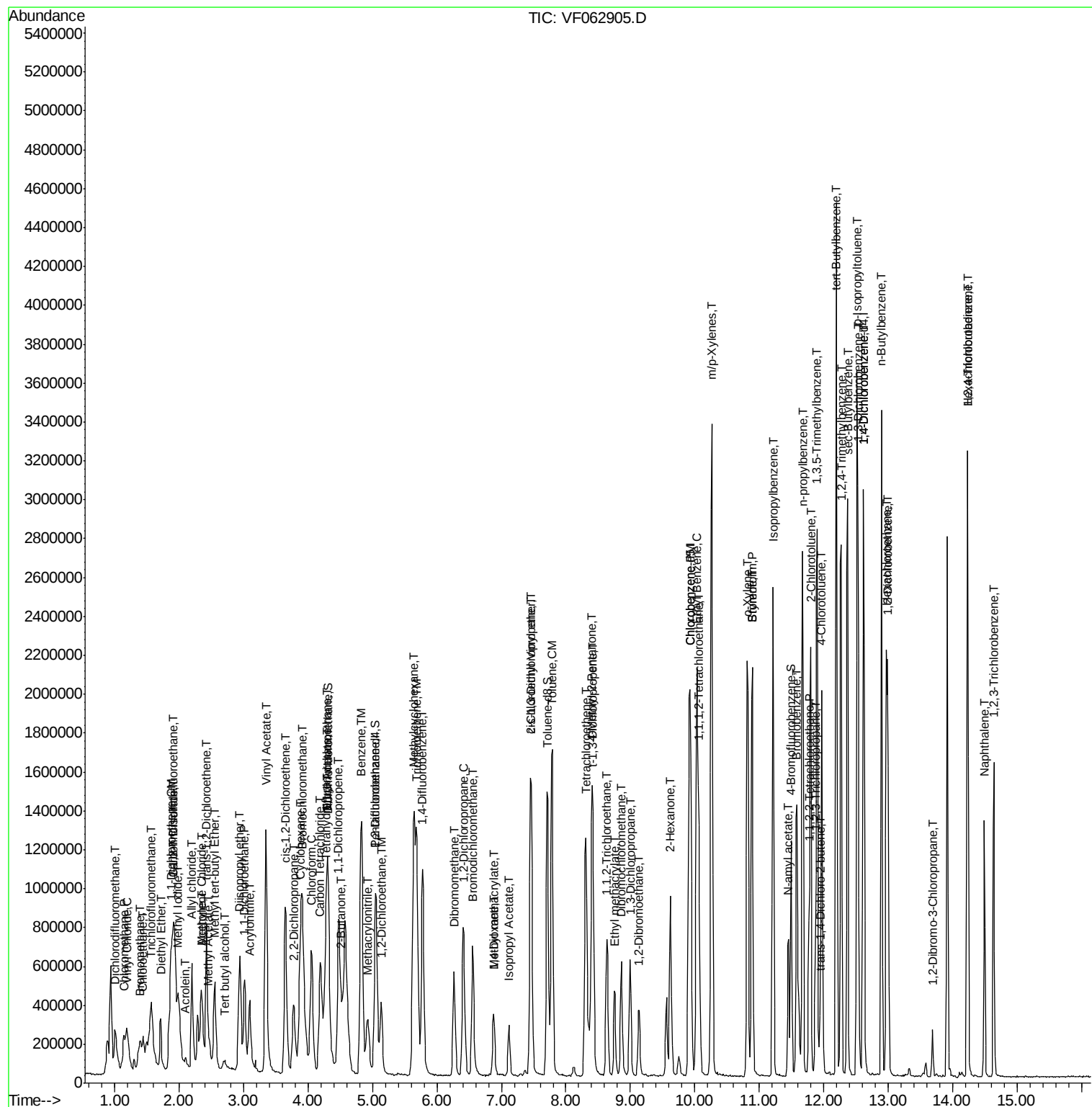
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	525535	56.351	ug/l	96
94) Hexachlorobutadiene	14.22	225	372730	57.771	ug/l	98
95) Naphthalene	14.49	128	883861	57.848	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	489626	57.514	ug/l	99

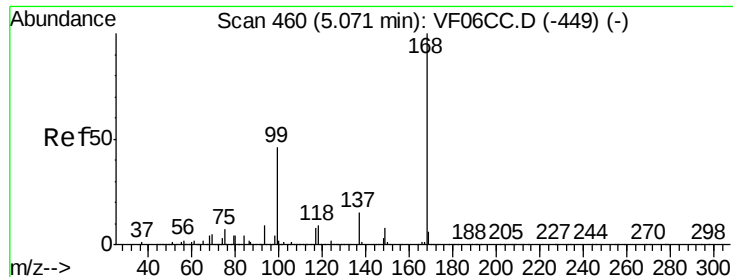
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

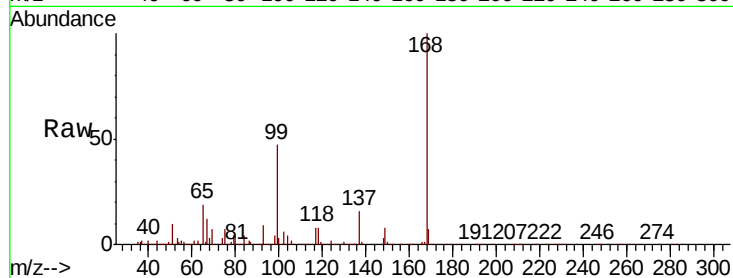
VSTDCCC050

Tot Ion:168 Resp: 841562

Ion Ratio Lower Upper

168 100

99 46.9 39.1 58.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

300000

250000

200000

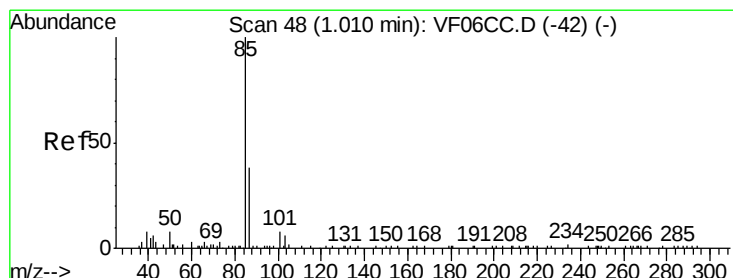
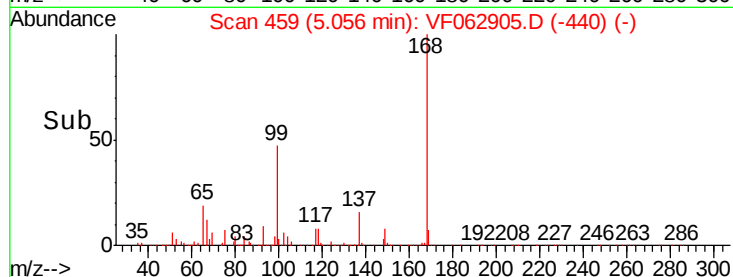
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.628 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062905.D

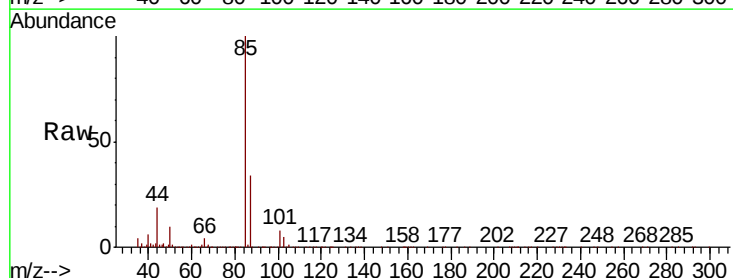
Acq: 10 Jun 2019 13:56

Tgt Ion: 85 Resp: 446770

Ion Ratio Lower Upper

85 100

87 34.2 17.6 52.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

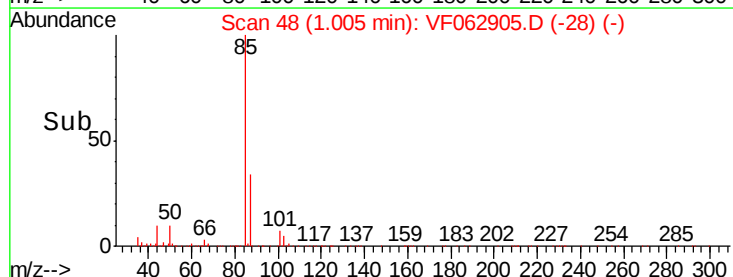
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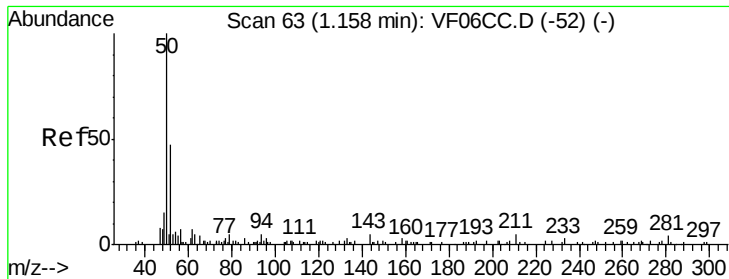
100000

50000

0

Time-->





#3

Chloromethane

Concen: 45.616 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

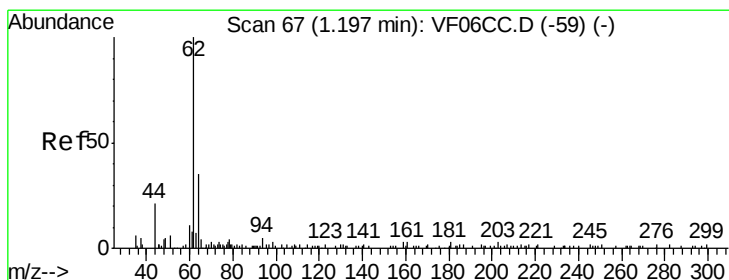
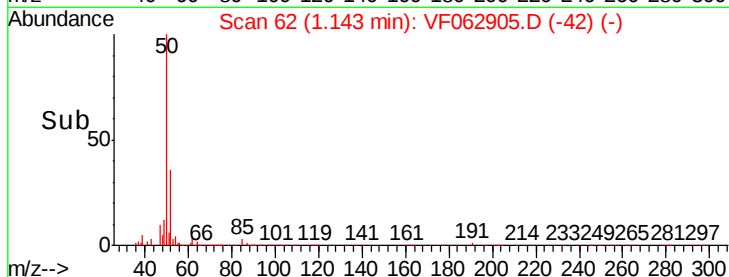
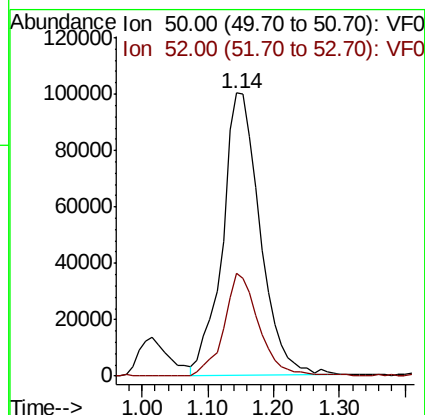
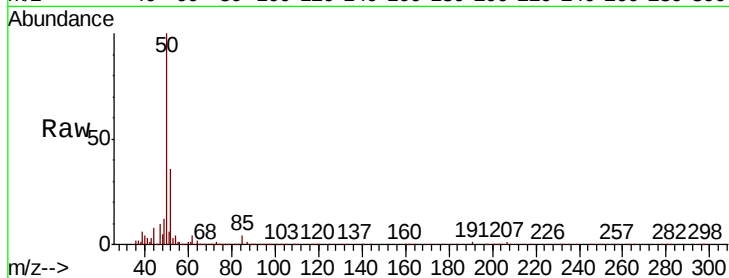
VSTDCCC050

Tot Ion: 50 Resp: 397210

Ion Ratio Lower Upper

50 100

52 36.2 27.0 40.4



#4

Vinyl Chloride

Concen: 47.633 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062905.D

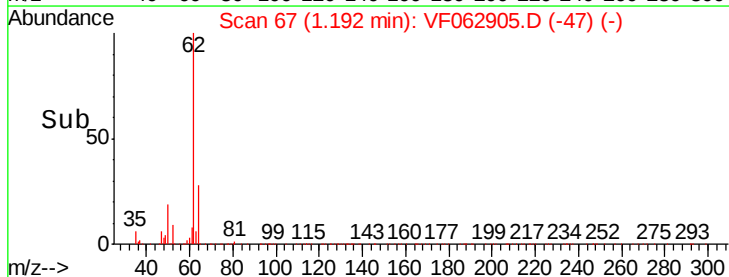
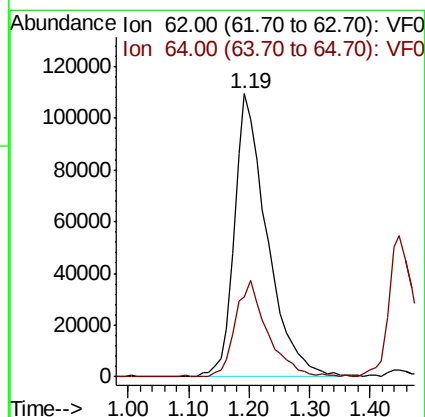
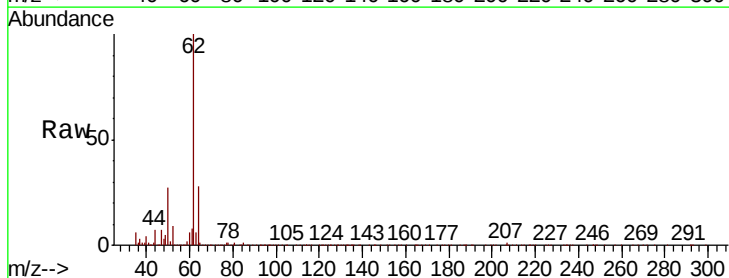
Acq: 10 Jun 2019 13:56

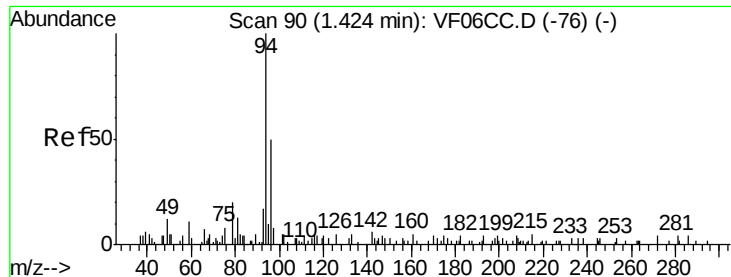
Tgt Ion: 62 Resp: 412176

Ion Ratio Lower Upper

62 100

64 28.0 26.2 39.2





#5

Bromomethane

Concen: 50.328 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

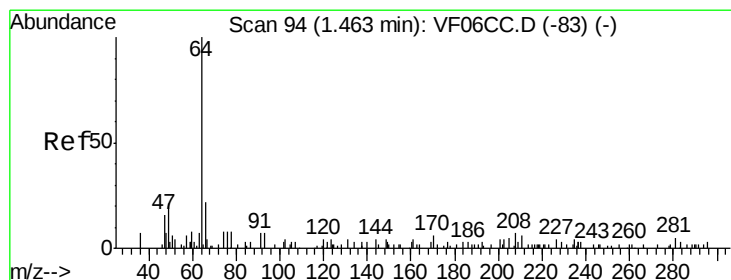
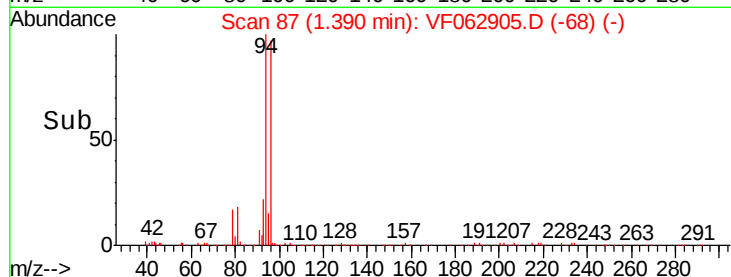
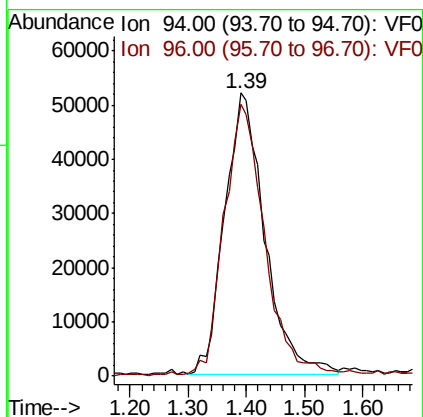
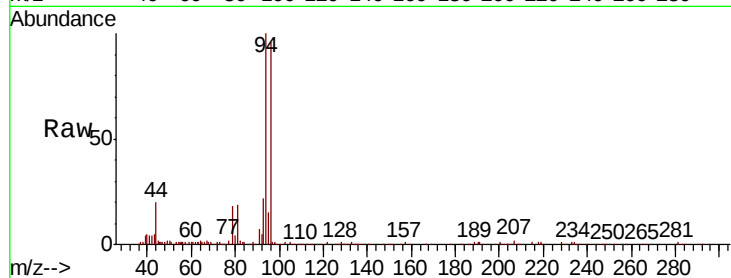
VSTDCCC050

Tot Ion: 94 Resp: 248362

Ion Ratio Lower Upper

94 100

96 96.1 73.8 110.6



#6

Chloroethane

Concen: 51.903 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.02 min

Lab File: VF062905.D

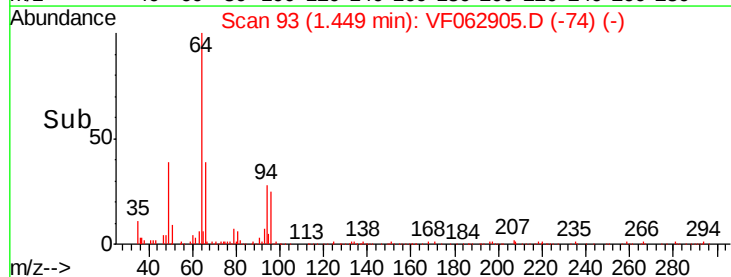
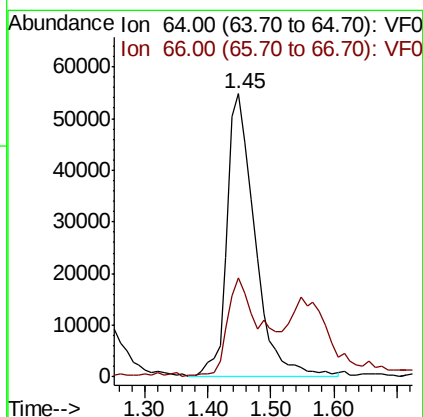
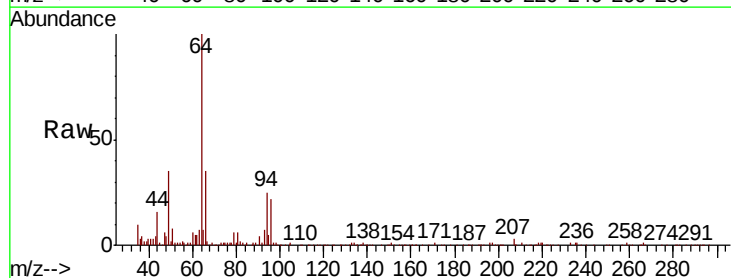
Acq: 10 Jun 2019 13:56

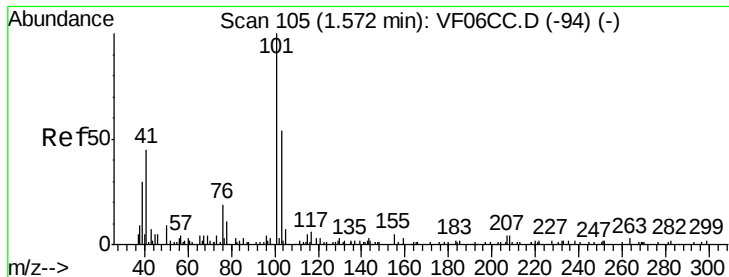
Tgt Ion: 64 Resp: 167924

Ion Ratio Lower Upper

64 100

66 34.9 31.0 46.4



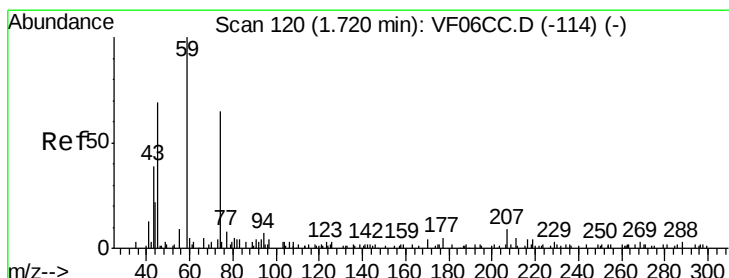
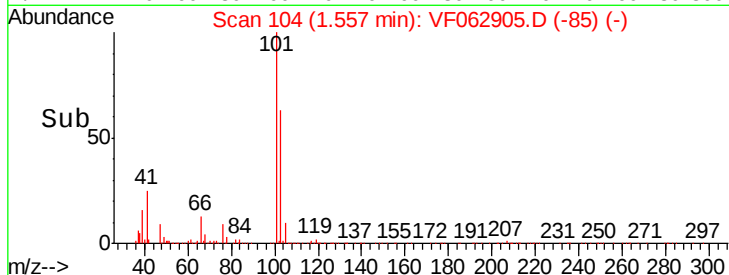
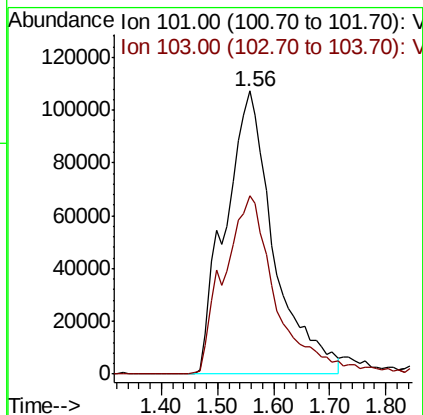
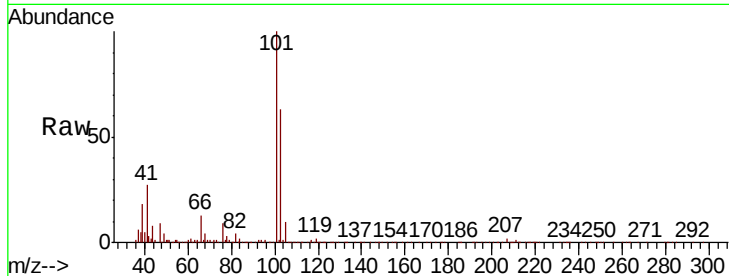


#7

Trichlorofluoromethane
Concen: 52.813 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

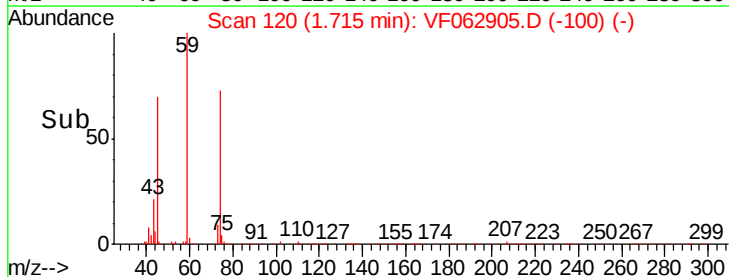
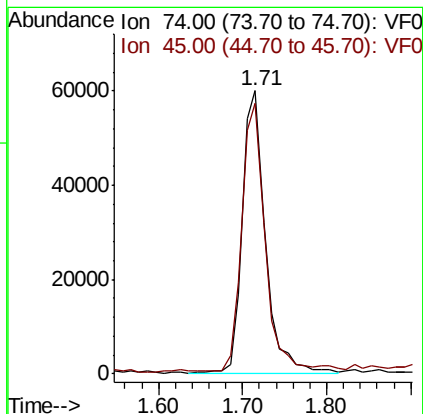
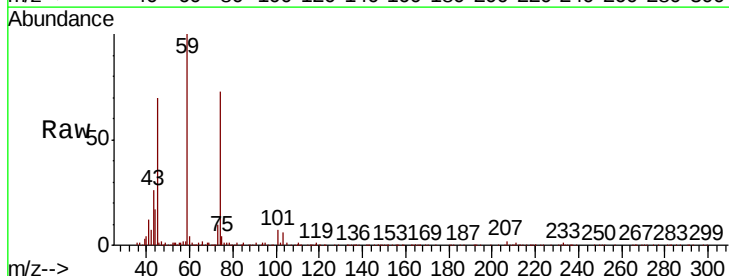
Tot Ion:101 Resp: 646962
Ion Ratio Lower Upper
101 100
103 63.2 54.6 82.0

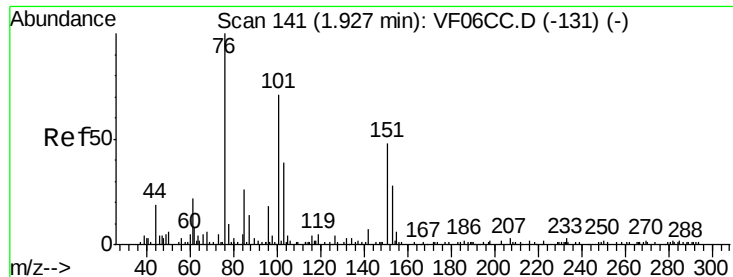


#8

Diethyl Ether
Concen: 48.264 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 74 Resp: 116321
Ion Ratio Lower Upper
74 100
45 95.6 47.5 142.5

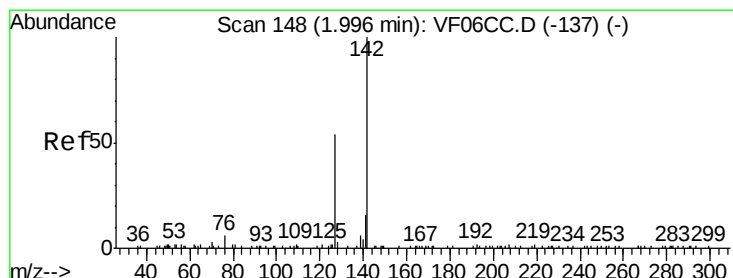
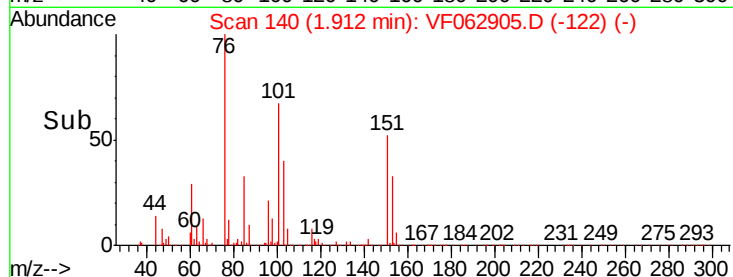
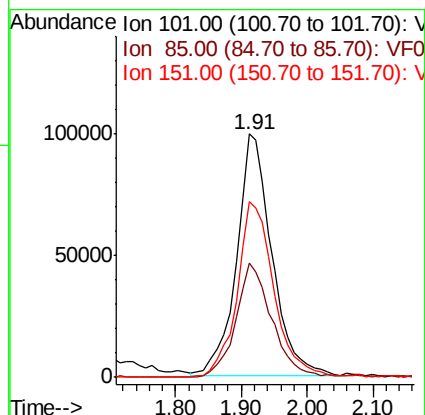
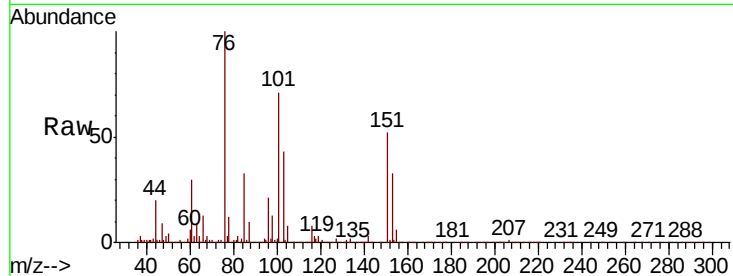




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.037 ug/l
 RT: 1.91 min Scan# 140
 Delta R.T. -0.03 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

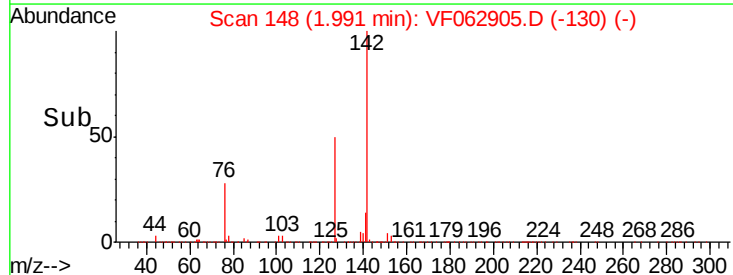
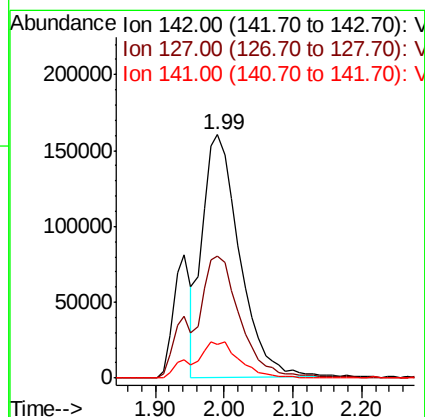
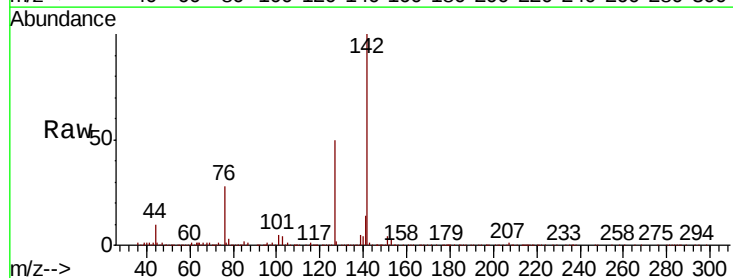
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

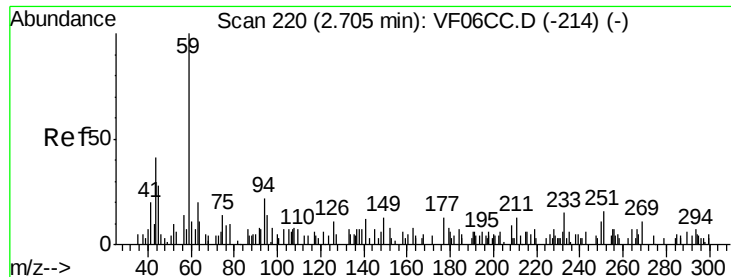
Tot Ion:101 Resp: 369963
 Ion Ratio Lower Upper
 101 100
 85 46.8 37.1 55.7
 151 72.3 60.3 90.5



#10
 Methyl Iodide
 Concen: 38.767 ug/l
 RT: 1.99 min Scan# 148
 Delta R.T. -0.03 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion:142 Resp: 598656
 Ion Ratio Lower Upper
 142 100
 127 50.0 39.4 59.2
 141 13.9 10.6 15.8



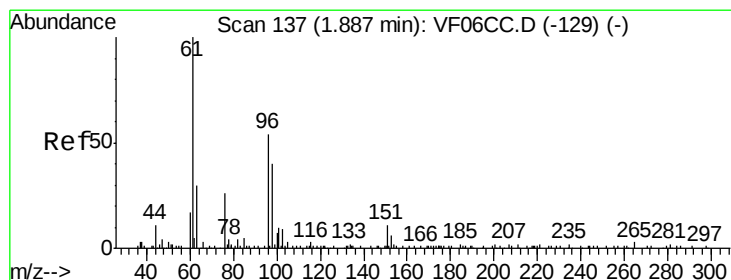
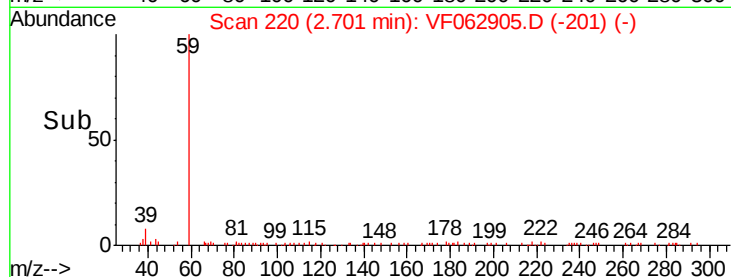
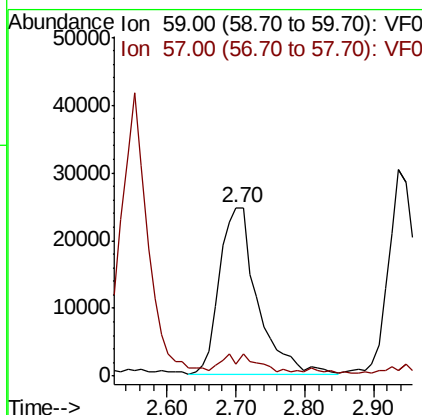
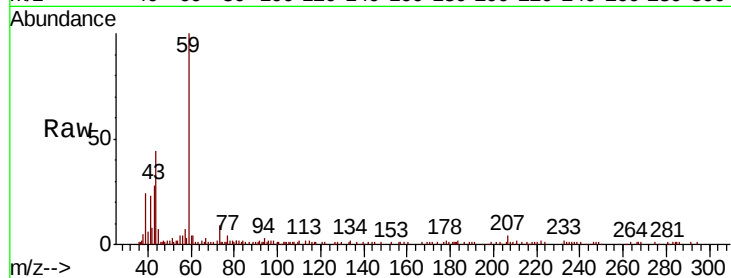


#11

Tert butyl alcohol
 Concen: 268.065 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

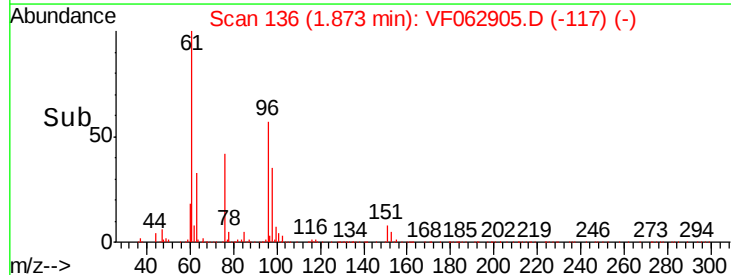
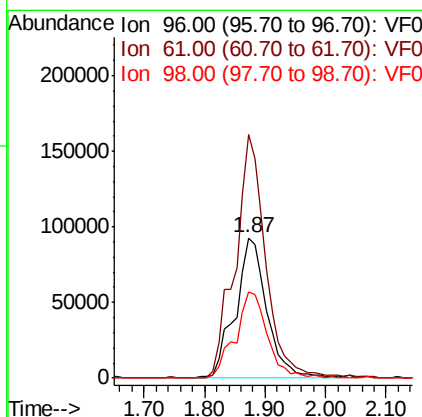
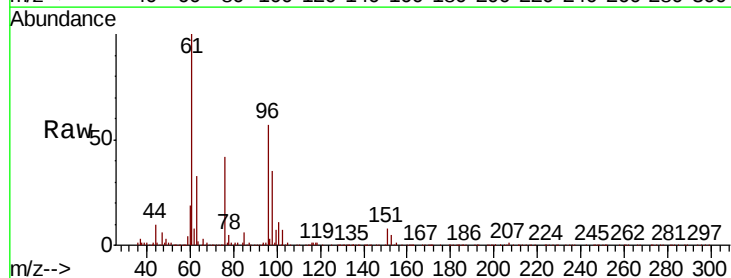
Tot Ion: 59 Resp: 94503
 Ion Ratio Lower Upper
 59 100
 57 7.2 9.2 13.8#

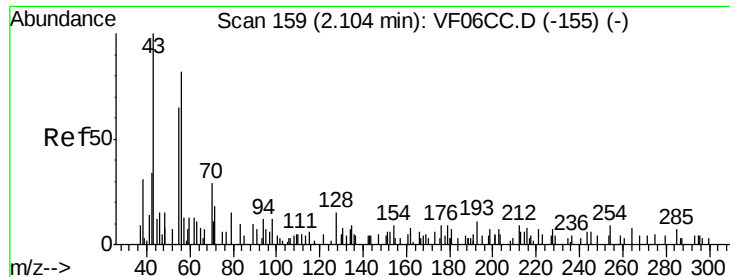


#12

1,1-Dichloroethene
 Concen: 47.517 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion: 96 Resp: 332308
 Ion Ratio Lower Upper
 96 100
 61 173.9 139.4 209.2
 98 61.2 50.3 75.5

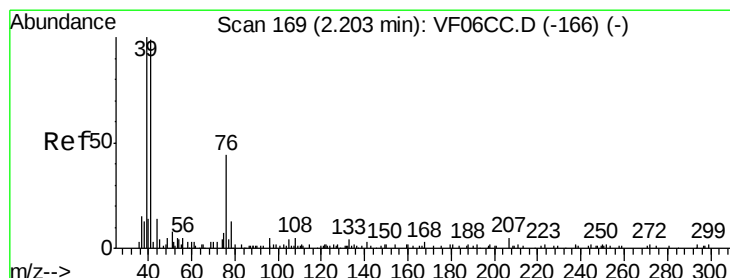
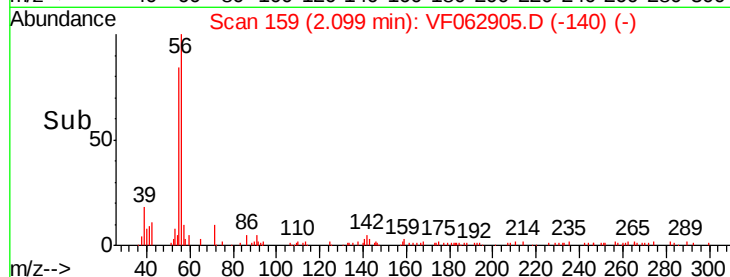
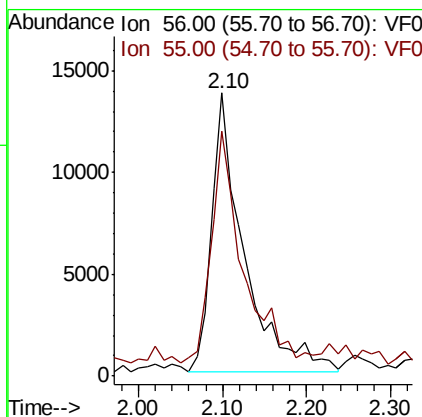
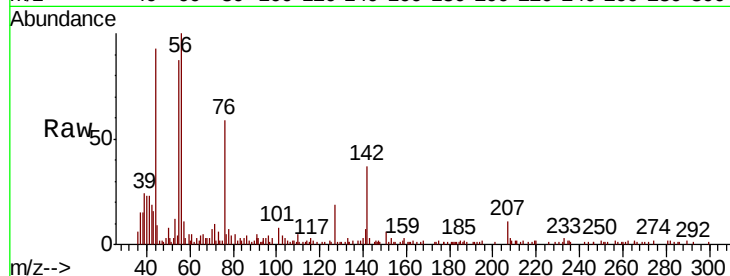




#13
Acrolein
Concen: 258.119 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

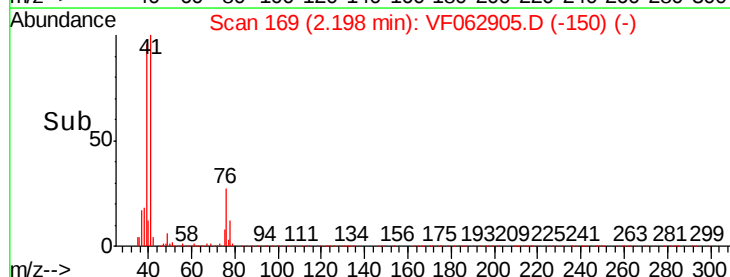
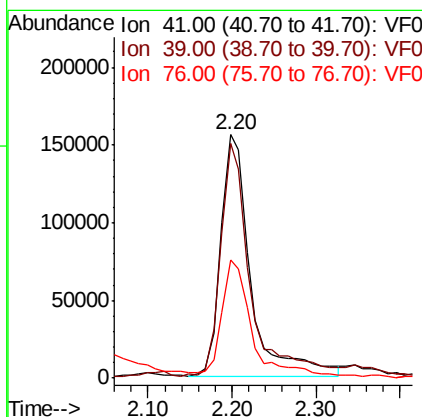
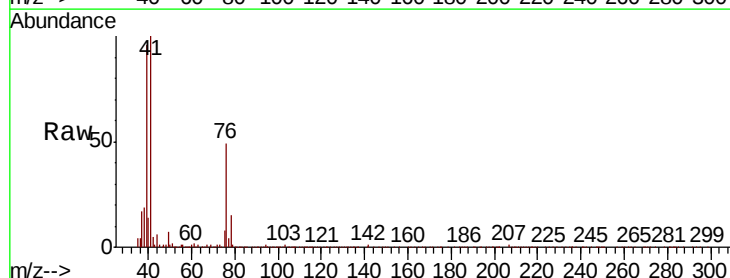
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 36315
Ion Ratio Lower Upper
56 100
55 86.7 52.9 79.3#



#14
Allyl chloride
Concen: 70.979 ug/l
RT: 2.20 min Scan# 169
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 41 Resp: 385093
Ion Ratio Lower Upper
41 100
39 96.4 71.9 107.9
76 48.7 39.6 59.4

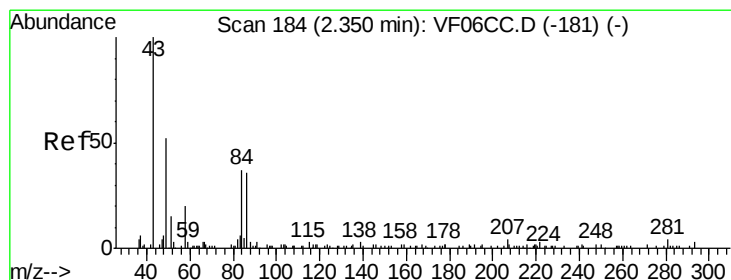
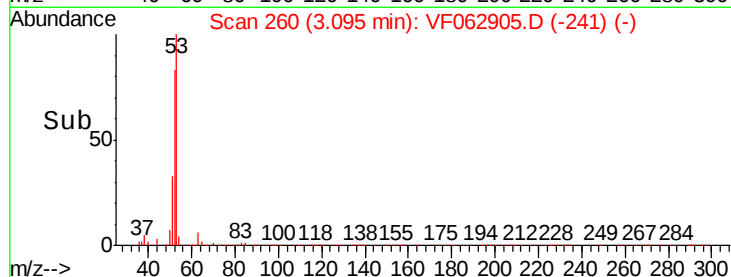
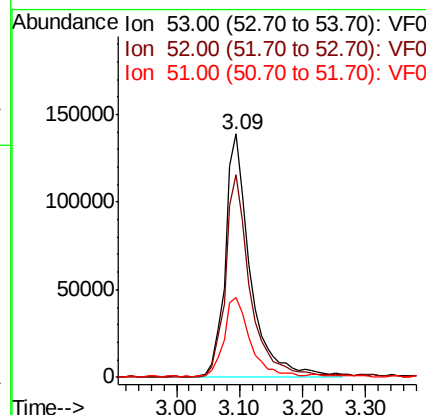
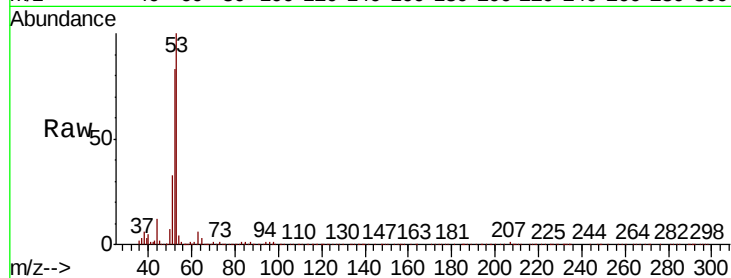




#15
 Acrylonitrile
 Concen: 287.909 ug/l
 RT: 3.09 min Scan# 260
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

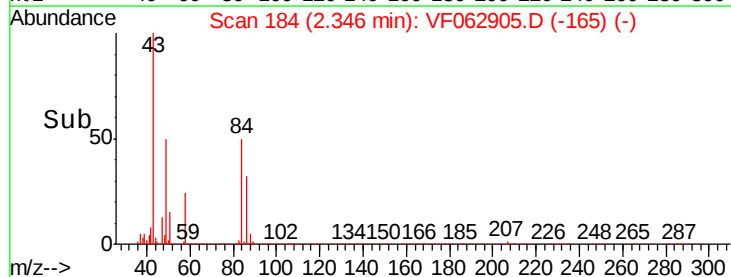
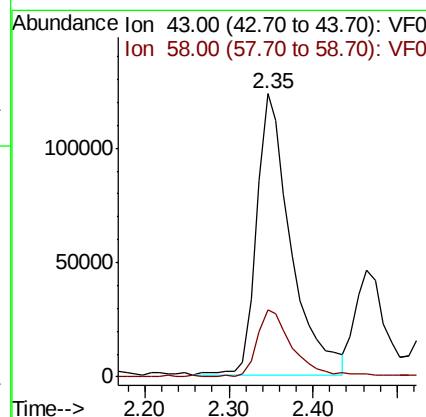
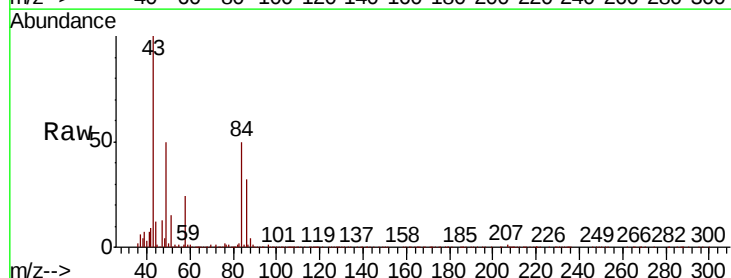
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

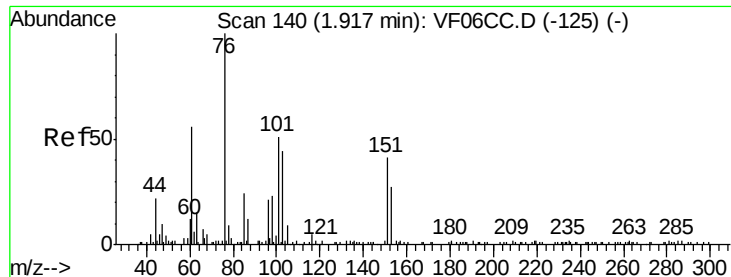
Tot Ion	53	Resp	381389
Ion Ratio	Lower	Upper	
53	100		
52	83.3	68.1	102.1
51	32.9	27.7	41.5



#16
 Acetone
 Concen: 262.963 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion	43	Resp	350252
Ion Ratio	Lower	Upper	
43	100		
58	23.9	19.0	28.4





#17

Carbon Disulfide

Concen: 47.281 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

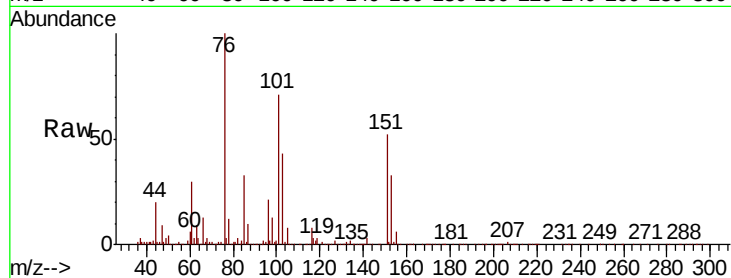
VSTDCCC050

Tot Ion: 76 Resp: 966428

Ion Ratio Lower Upper

76 100

78 12.1 9.4 14.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.91

150000

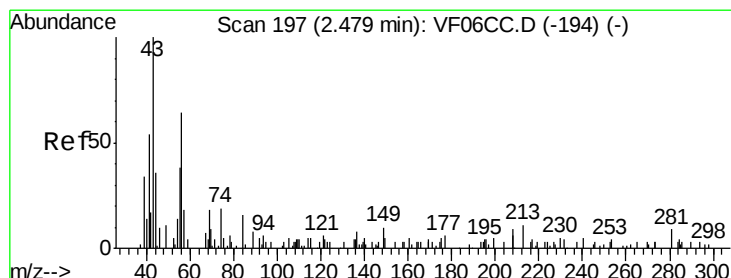
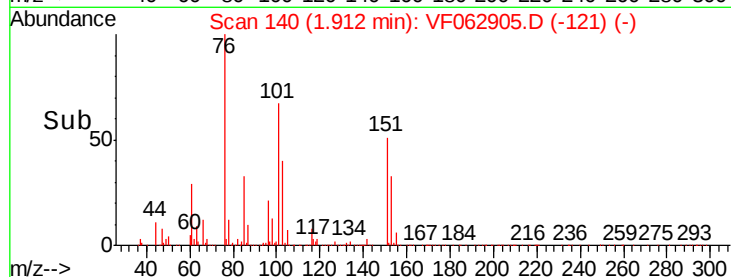
100000

50000

0

1.80 2.00

Time-->



#18

Methyl Acetate

Concen: 43.405 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.02 min

Lab File: VF062905.D

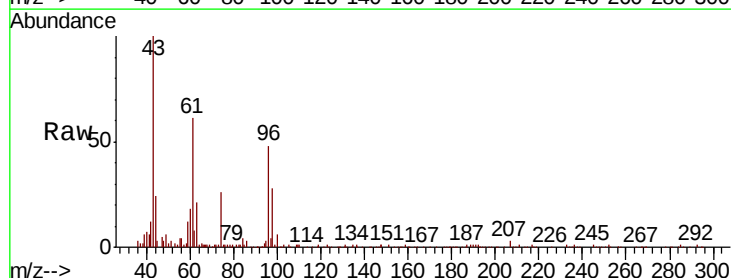
Acq: 10 Jun 2019 13:56

Tgt Ion: 43 Resp: 101028

Ion Ratio Lower Upper

43 100

74 25.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.46

50000

40000

30000

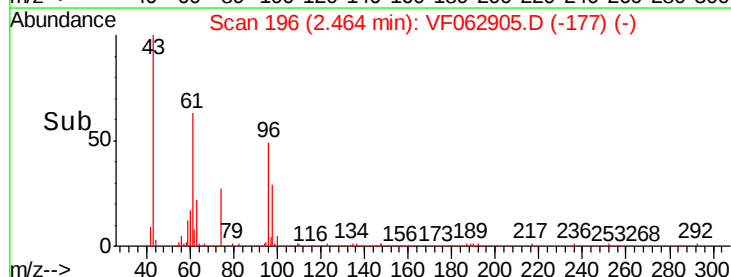
20000

10000

0

2.40 2.45 2.50

Time-->

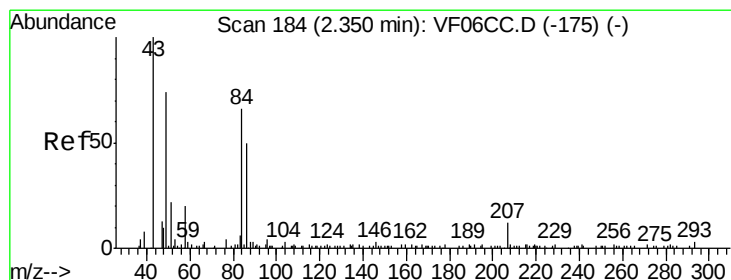
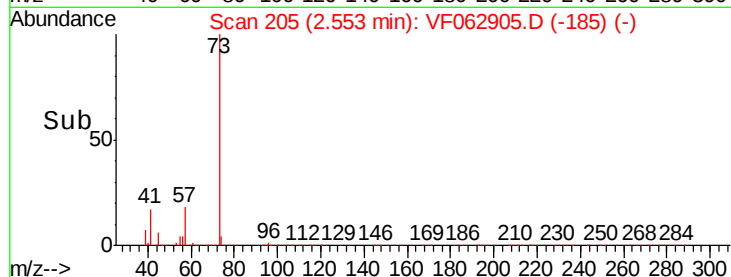
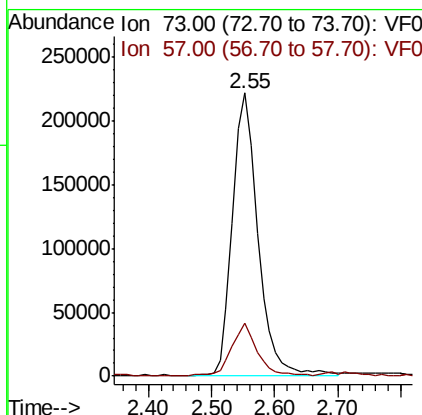
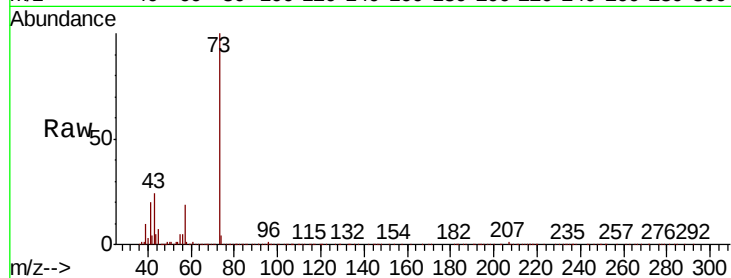




#19
Methvl tert-butvl Ether
Concen: 49.112 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

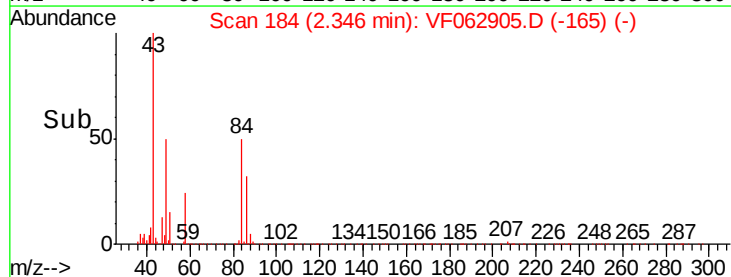
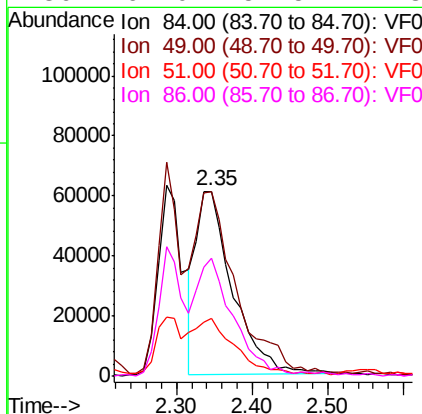
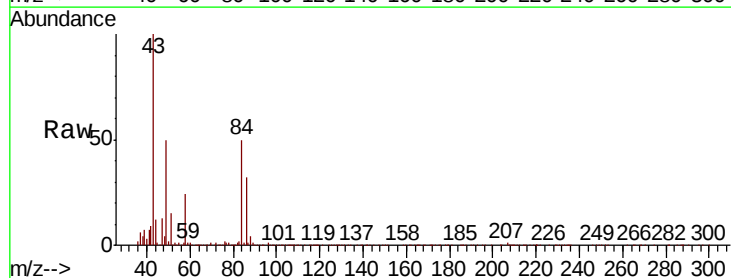
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

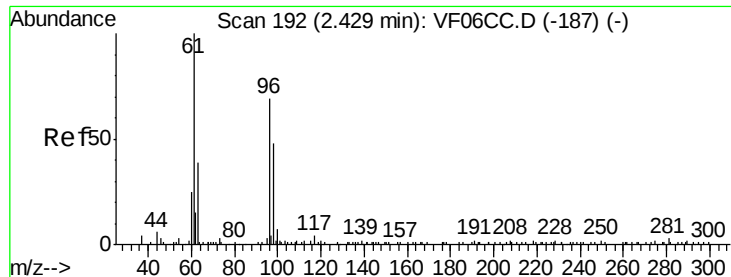
Tot Ion: 73 Resp: 622260
Ion Ratio Lower Upper
73 100
57 18.8 15.1 22.7



#20
Methylene Chloride
Concen: 29.177 ug/l
RT: 2.35 min Scan# 184
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 84 Resp: 202902
Ion Ratio Lower Upper
84 100
49 99.7 82.6 123.8
51 31.0 25.0 37.4
86 64.0 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 50.914 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

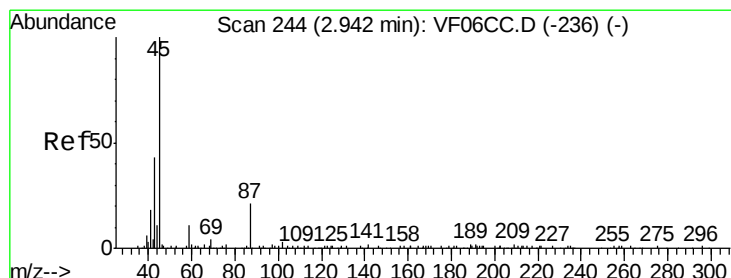
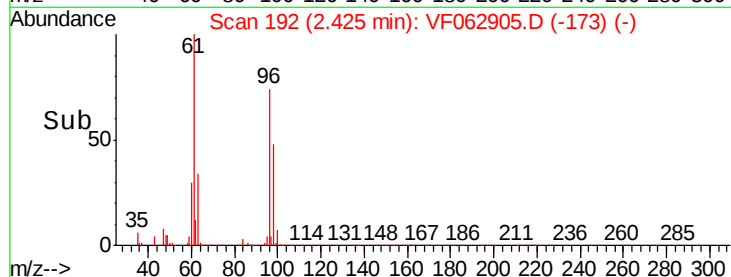
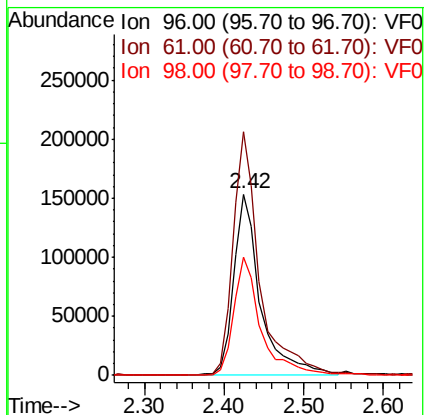
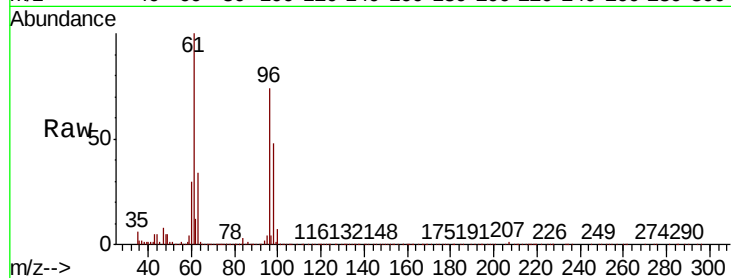
Tot Ion: 96 Resp: 357005

Ion Ratio Lower Upper

96 100

61 134.5 105.0 157.6

98 65.1 51.1 76.7



#22

Diisopropyl ether

Concen: 48.949 ug/l

RT: 2.94 min Scan# 244

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion: 45 Resp: 754506

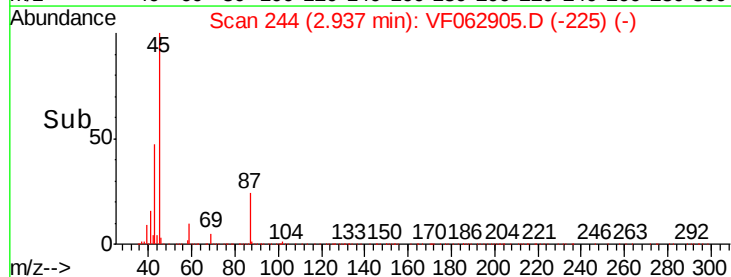
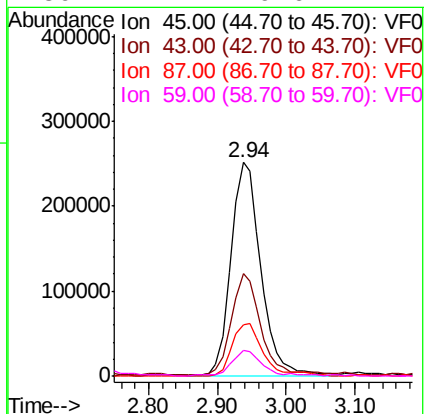
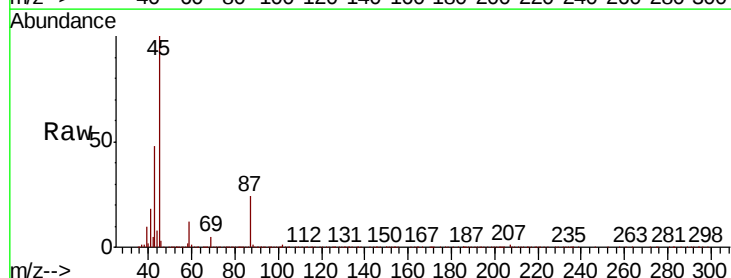
Ion Ratio Lower Upper

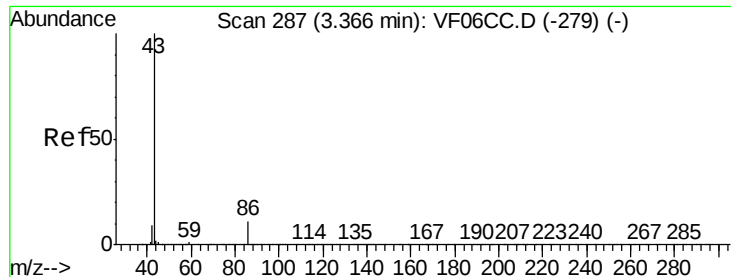
45 100

43 48.0 34.3 51.5

87 24.2 19.0 28.4

59 12.1 9.6 14.4





#23

Vinyl Acetate

Concen: 260.082 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

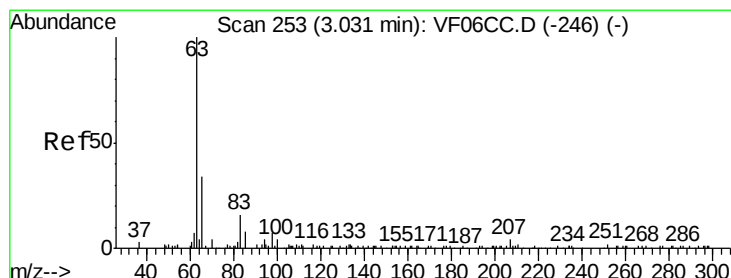
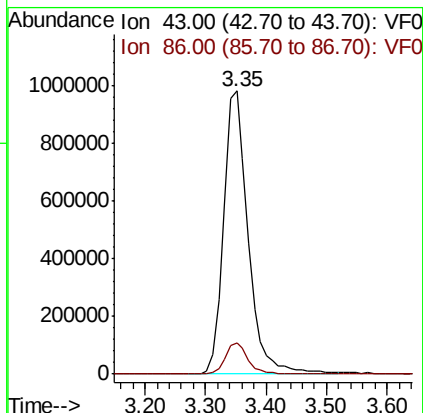
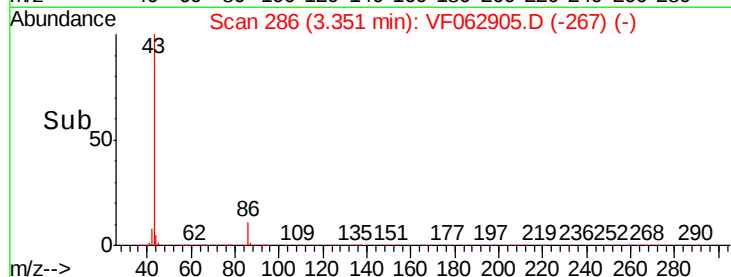
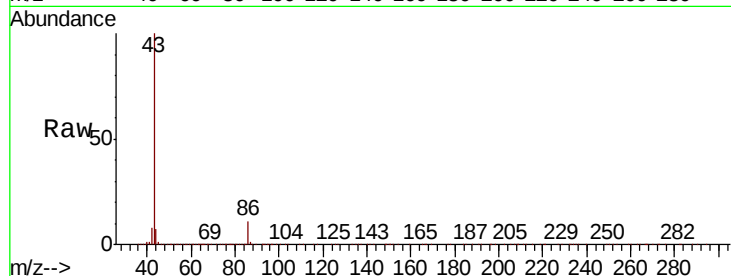
VSTDCCC050

Tot Ion: 43 Resp: 2744568

Ion Ratio Lower Upper

43 100

86 11.2 8.2 12.2



#24

1,1-Dichloroethane

Concen: 52.994 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

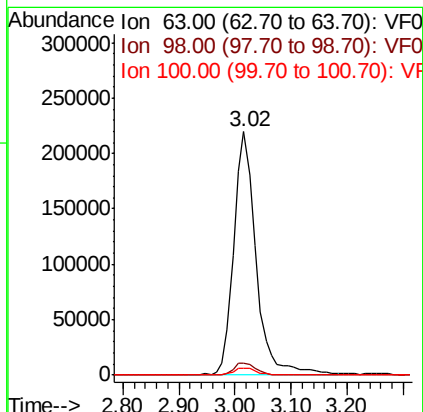
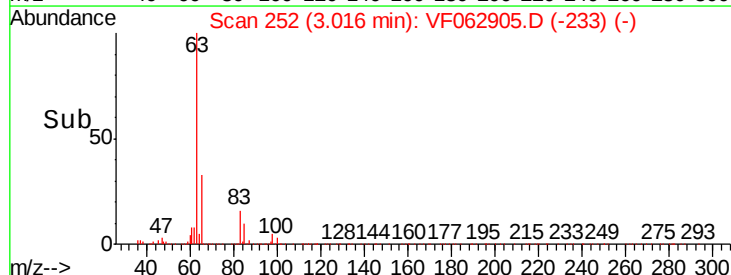
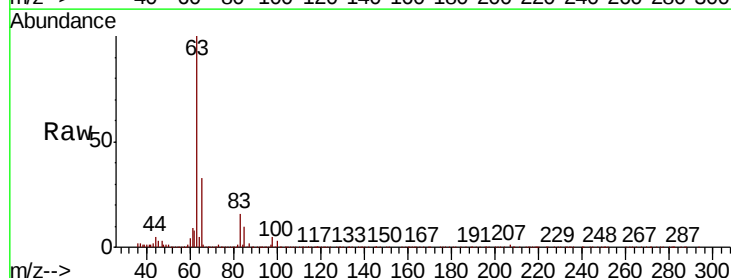
Tgt Ion: 63 Resp: 609904

Ion Ratio Lower Upper

63 100

98 5.0 2.4 7.1

100 2.9 1.5 4.5





#25

2-Butanone

Concen: 249.622 ug/l

RT: 4.52 min Scan# 405

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

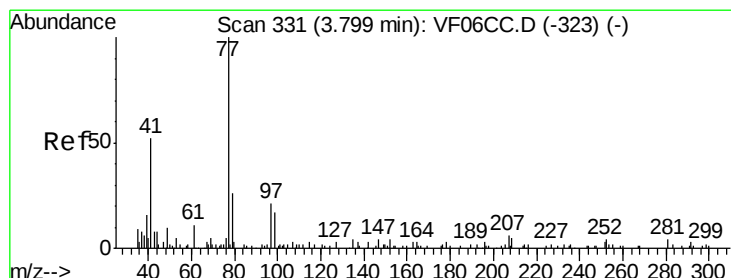
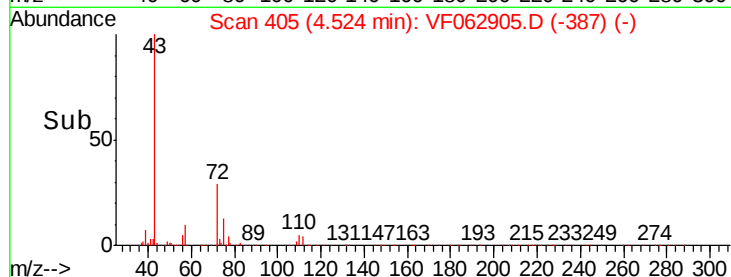
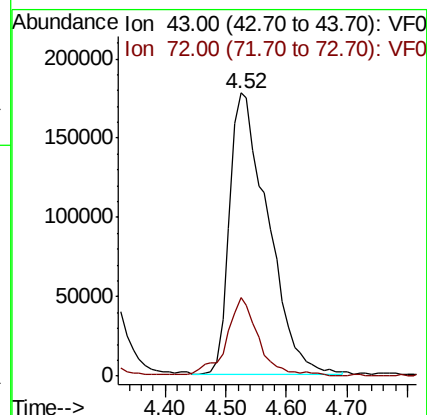
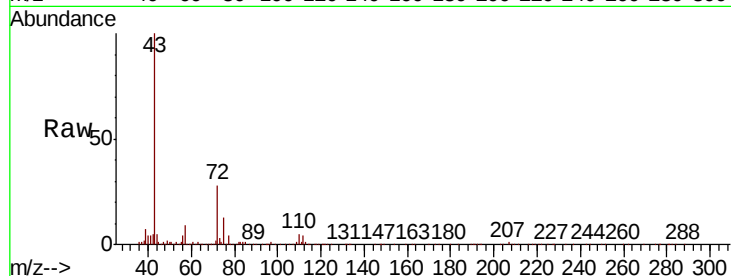
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 774275

Ion Ratio Lower Upper

43 100

72 27.7 21.4 32.0



#26

2,2-Dichloropropane

Concen: 64.199 ug/l

RT: 3.78 min Scan# 330

Delta R.T. -0.02 min

Lab File: VF062905.D

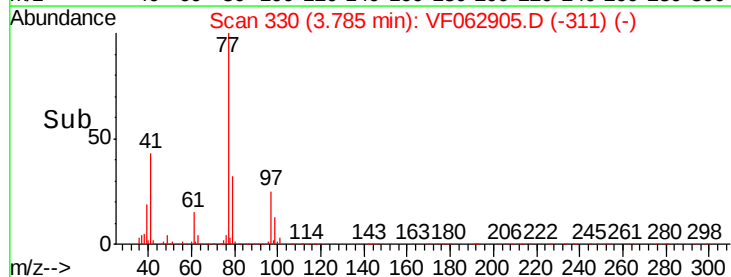
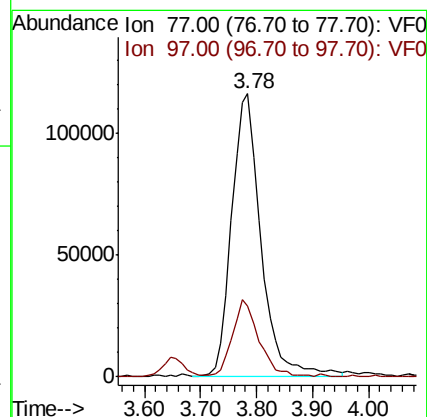
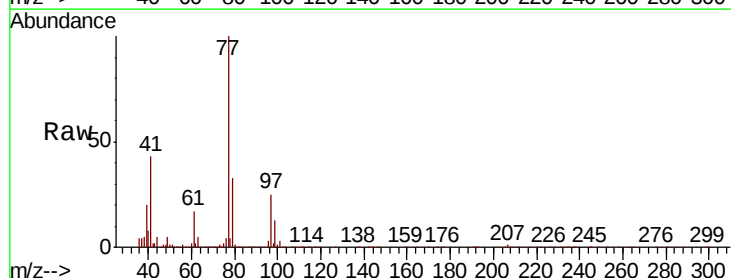
Acq: 10 Jun 2019 13:56

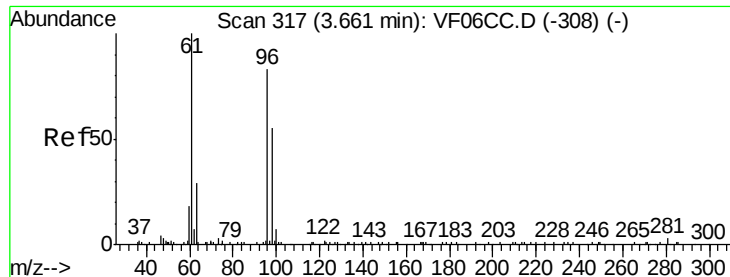
Tgt Ion: 77 Resp: 419526

Ion Ratio Lower Upper

77 100

97 25.2 12.4 37.4



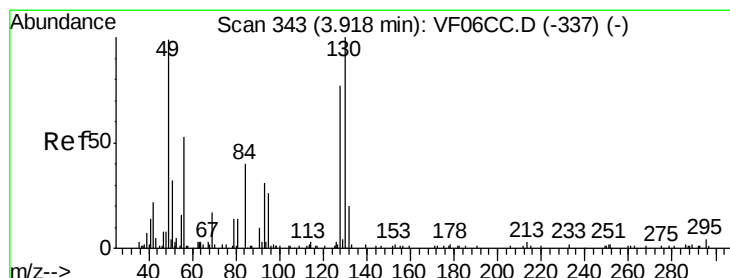
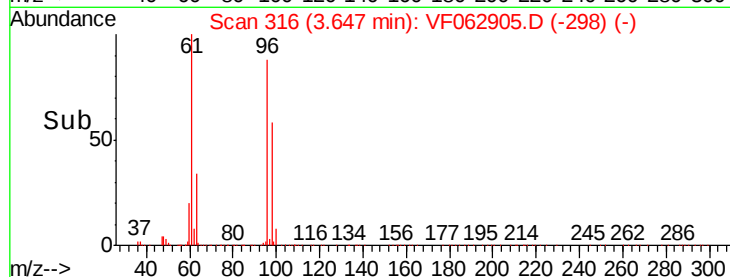
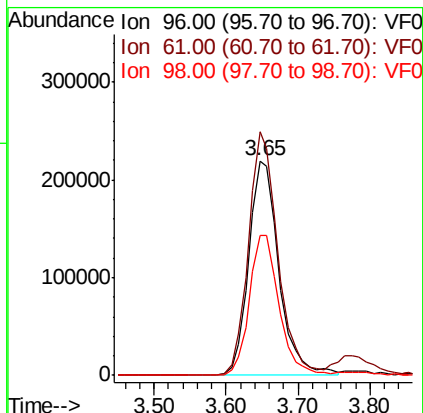
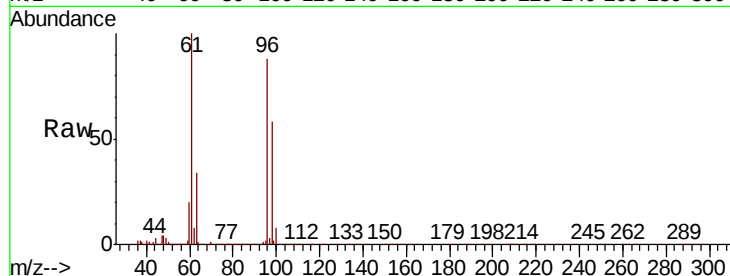


#27

cis-1,2-Dichloroethene
Concen: 54.184 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

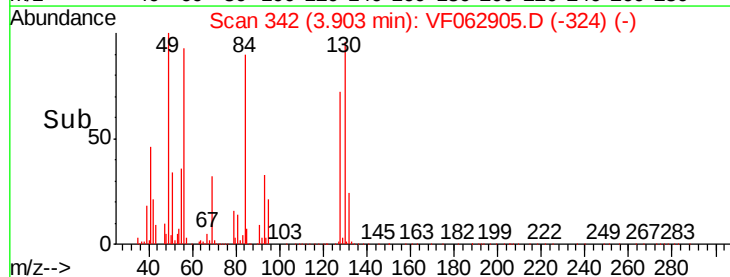
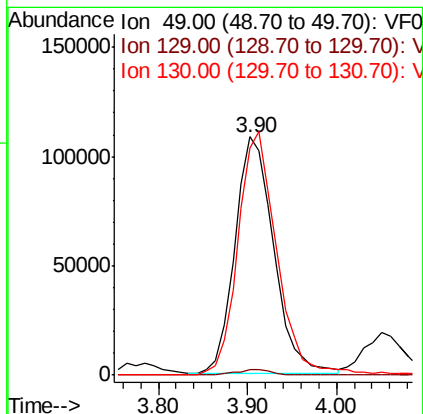
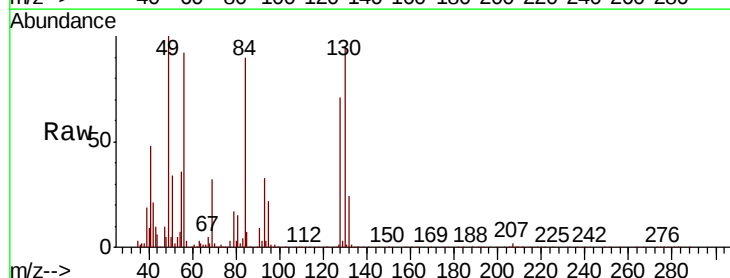
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.7	0.0	213.8
98	65.4	0.0	127.0

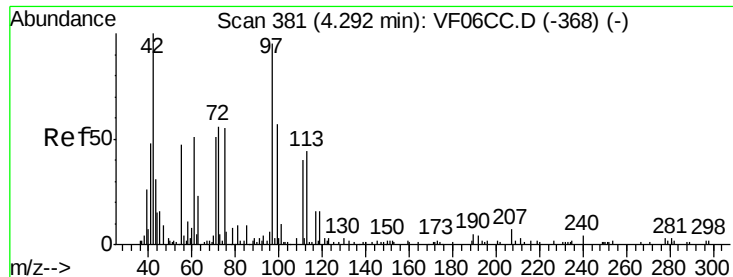


#28

Bromochloromethane
Concen: 52.735 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.4
130	95.4	79.2	118.8





#29

Tetrahydrofuran

Concen: 257.380 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

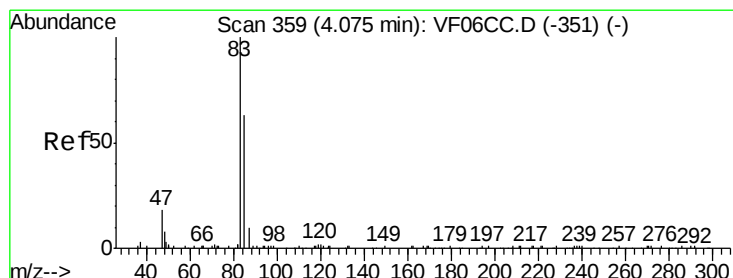
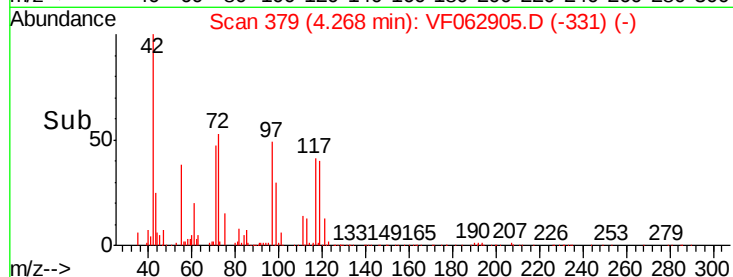
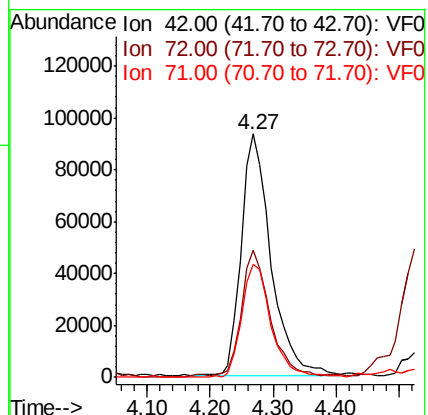
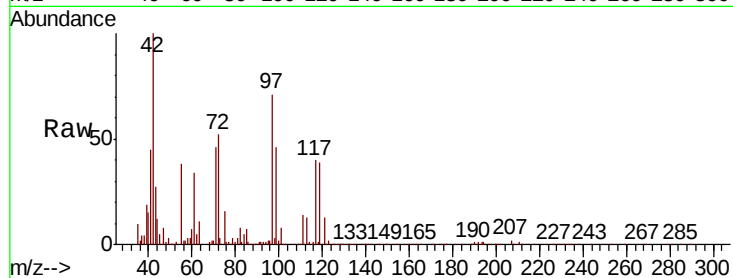
Tot Ion: 42 Resp: 305342

Ion Ratio Lower Upper

42 100

72 49.8 39.0 58.6

71 46.3 36.9 55.3



#30

Chloroform

Concen: 51.746 ug/l

RT: 4.05 min Scan# 357

Delta R.T. -0.03 min

Lab File: VF062905.D

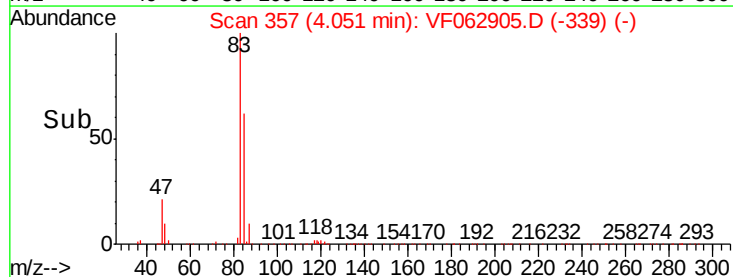
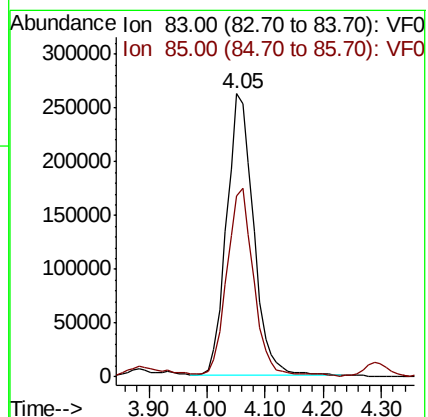
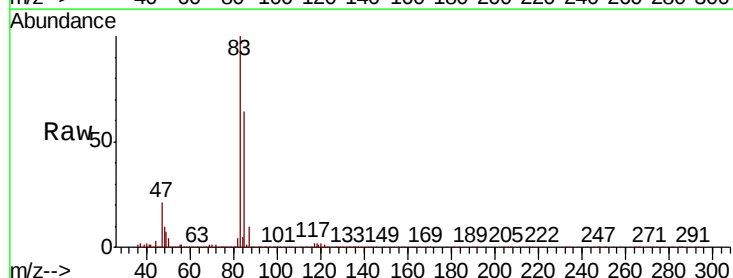
Acq: 10 Jun 2019 13:56

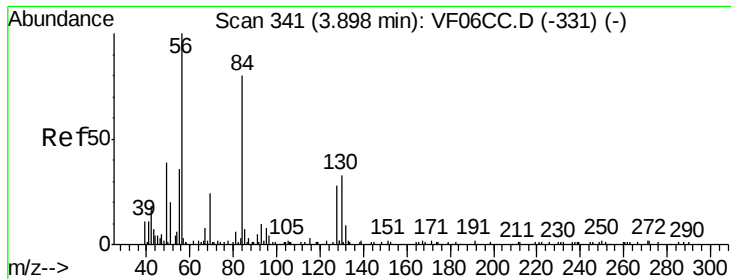
Tgt Ion: 83 Resp: 839325

Ion Ratio Lower Upper

83 100

85 63.9 55.0 82.6

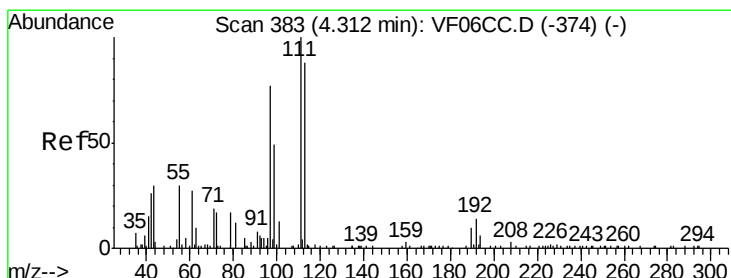
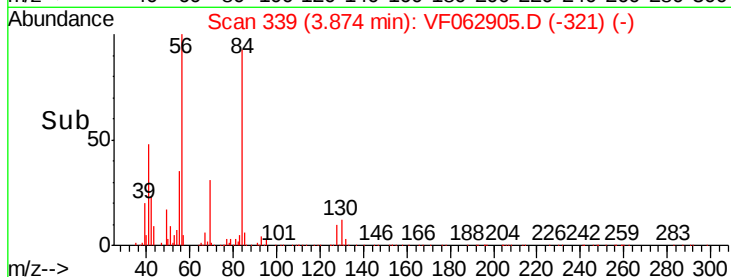
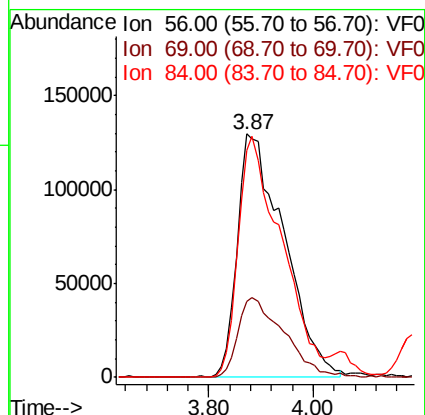
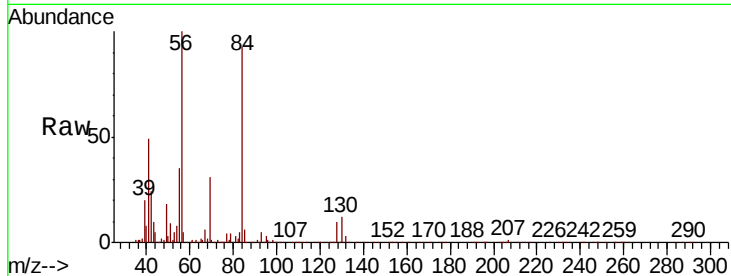




#31
Cyclohexane
Concen: 50.611 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

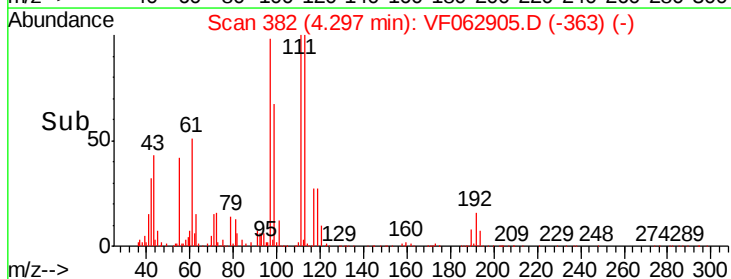
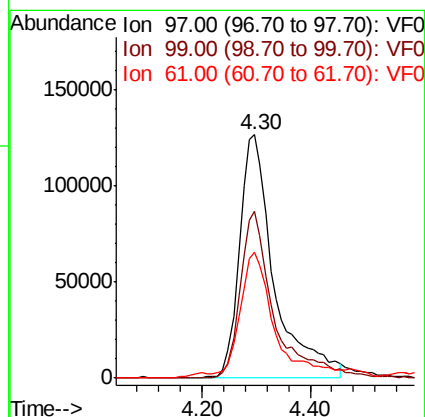
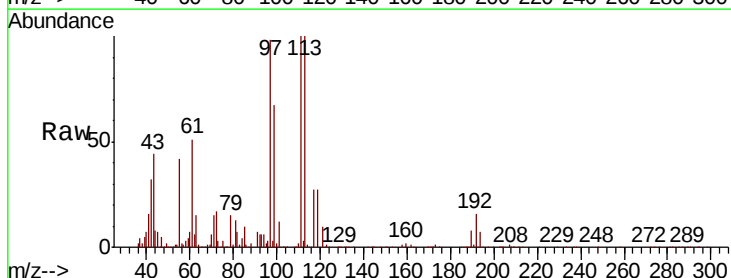
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

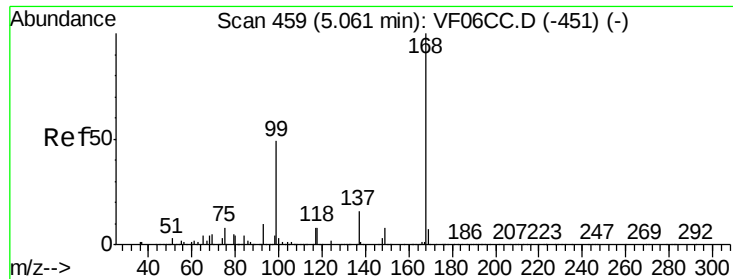
Tot Ion: 56 Resp: 788598
Ion Ratio Lower Upper
56 100
69 31.3 26.7 40.1
84 93.0 74.3 111.5



#32
1,1,1-Trichloroethane
Concen: 59.562 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 97 Resp: 562499
Ion Ratio Lower Upper
97 100
99 68.3 51.7 77.5
61 51.6 38.9 58.3

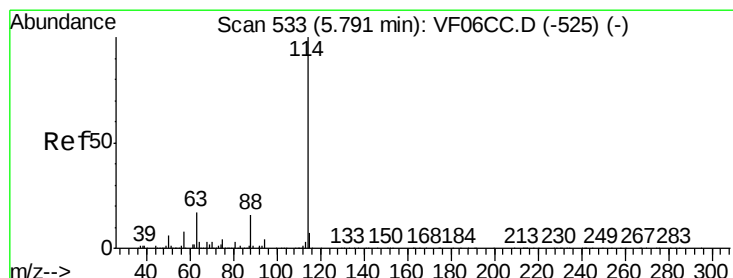
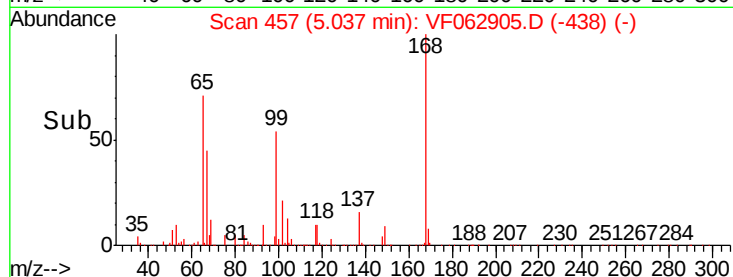
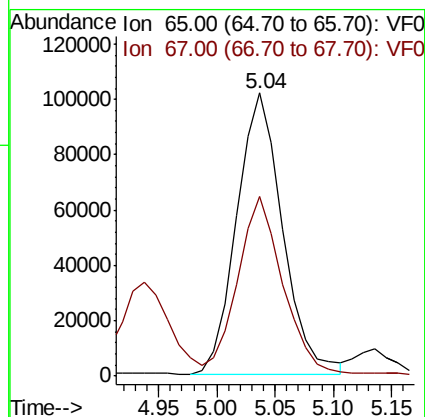
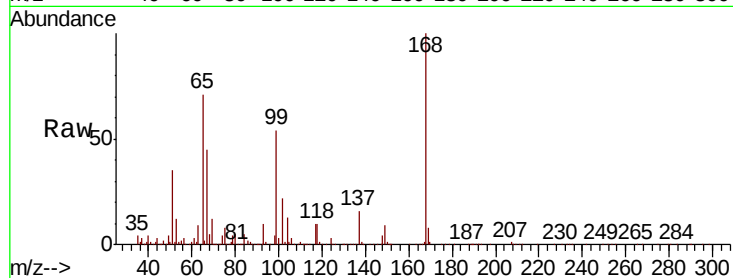




#33
 1,2-Dichloroethane-d4
 Concen: 47.614 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

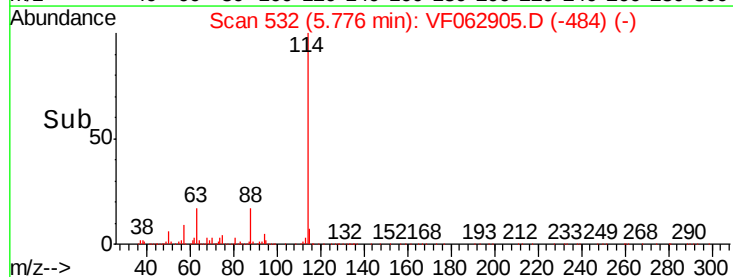
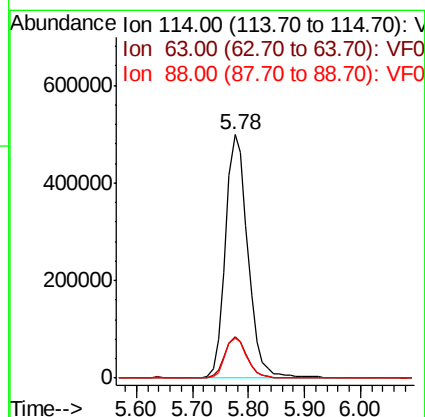
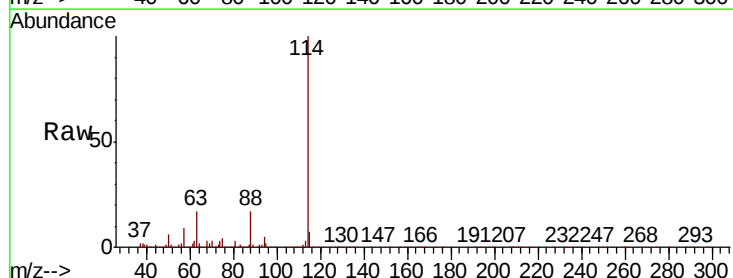
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

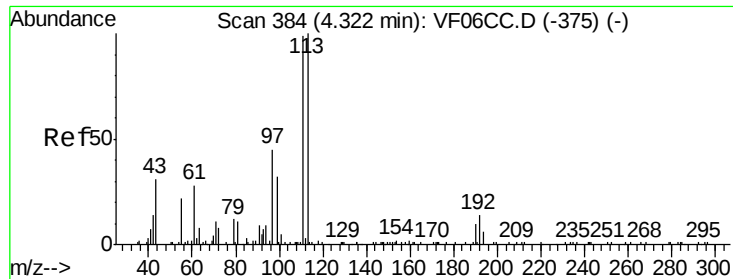
Tot Ion: 65 Resp: 277090
 Ion Ratio Lower Upper
 65 100
 67 63.5 0.0 121.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.03 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion: 114 Resp: 1394876
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 34.2
 88 16.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.804 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

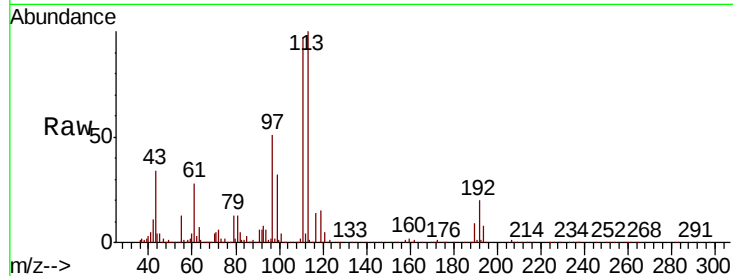
Tot Ion:113 Resp: 524950

Ion Ratio Lower Upper

113 100

111 96.8 81.9 122.9

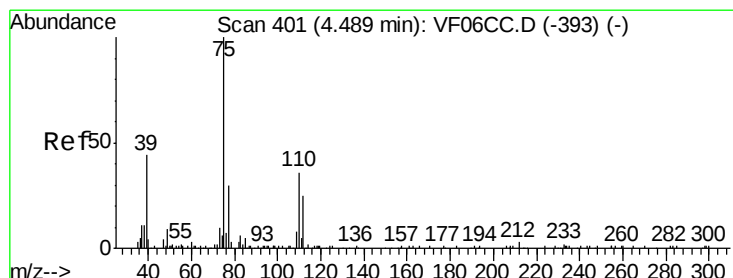
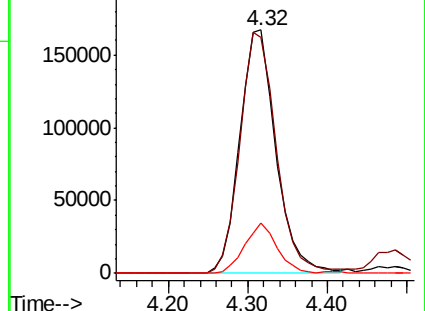
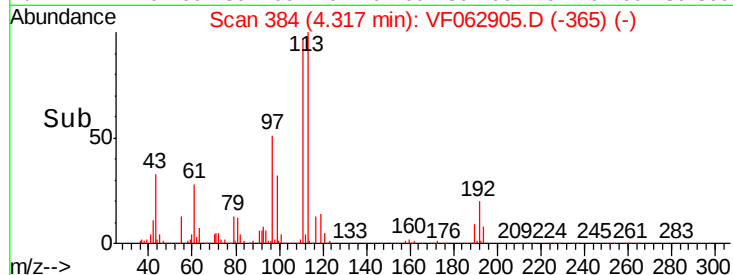
192 20.7 15.1 22.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 52.047 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

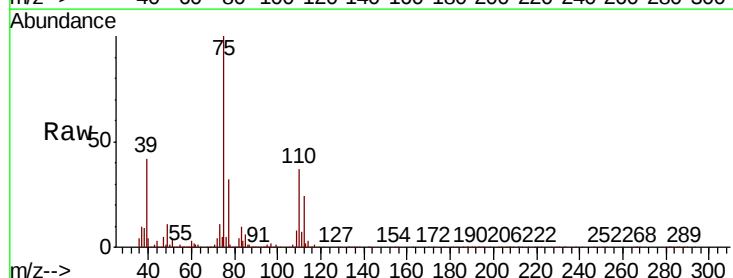
Tgt Ion: 75 Resp: 668347

Ion Ratio Lower Upper

75 100

110 36.7 19.4 58.1

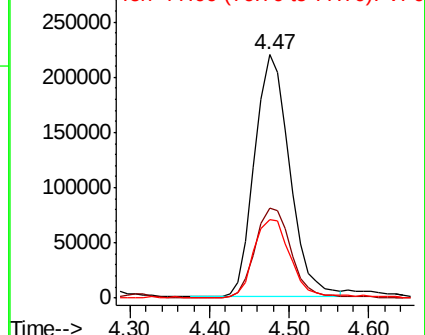
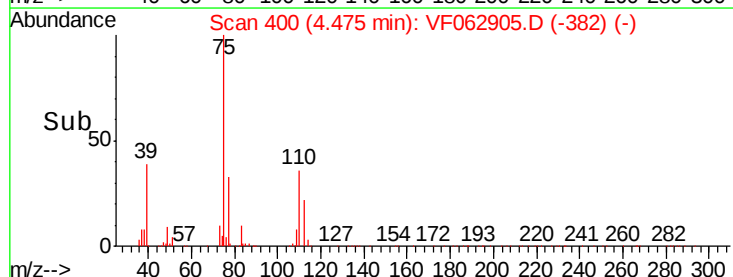
77 32.2 25.4 38.2

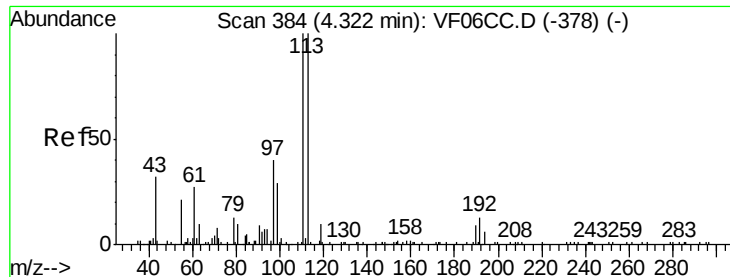


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

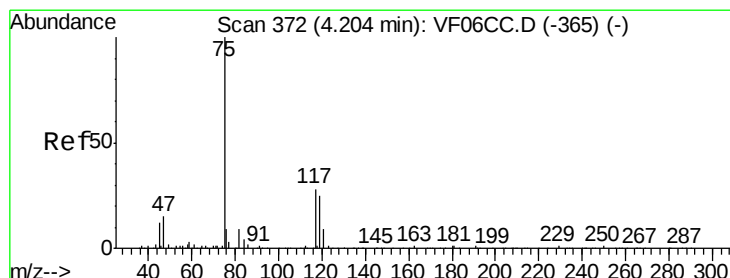
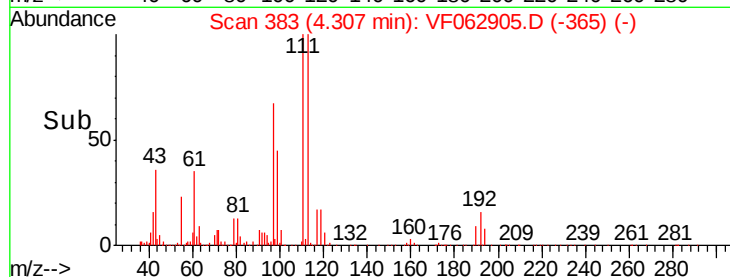
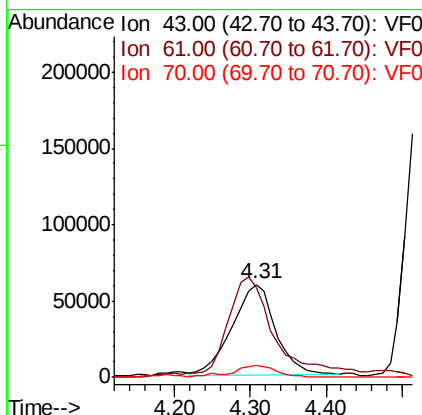
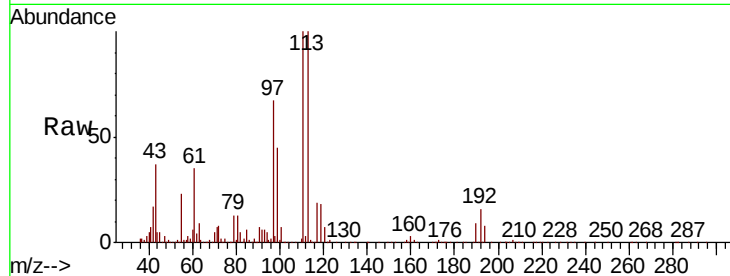




#37
Ethyl Acetate
Concen: 48.308 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

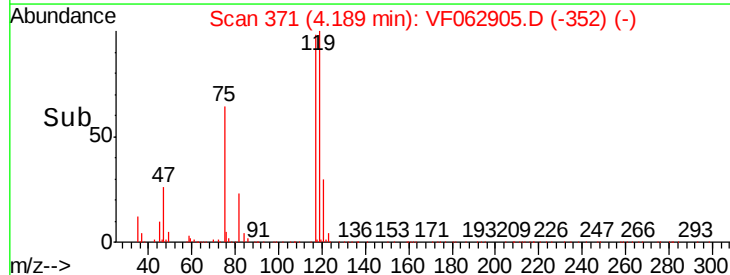
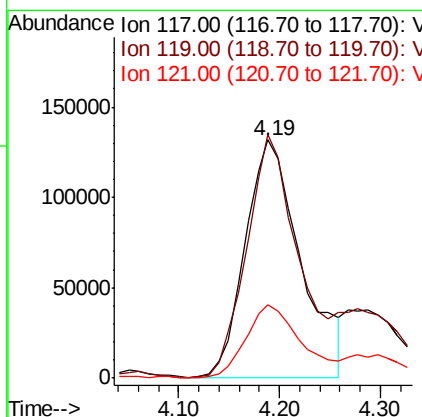
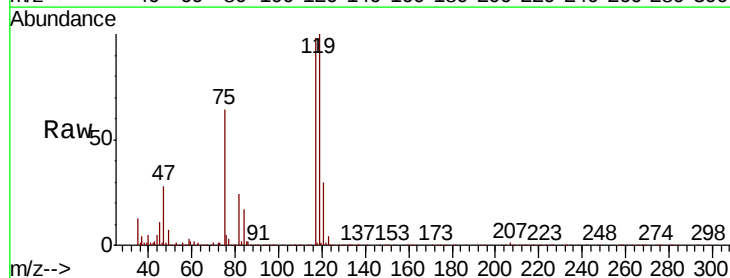
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

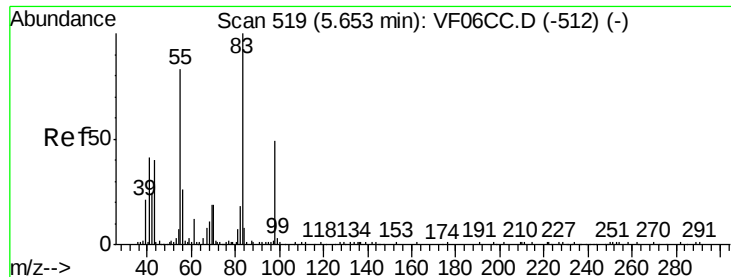
Tot Ion	43	Resp	237128
Ion Ratio	Lower	Upper	
43	100		
61	96.3	59.1	88.7#
70	13.0	10.1	15.1



#38
Carbon Tetrachloride
Concen: 58.048 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion	117	Resp	503772
Ion Ratio	Lower	Upper	
117	100		
119	102.3	78.2	117.2
121	30.8	28.2	42.2

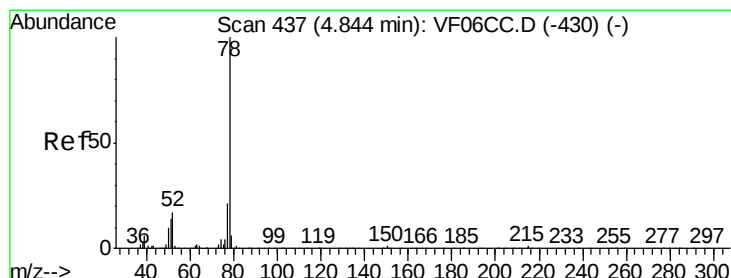
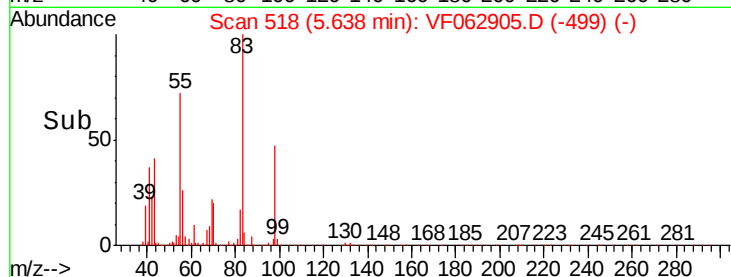
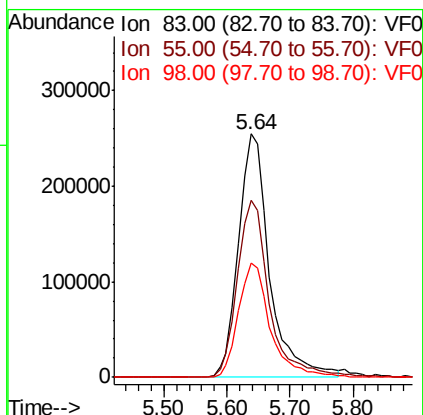
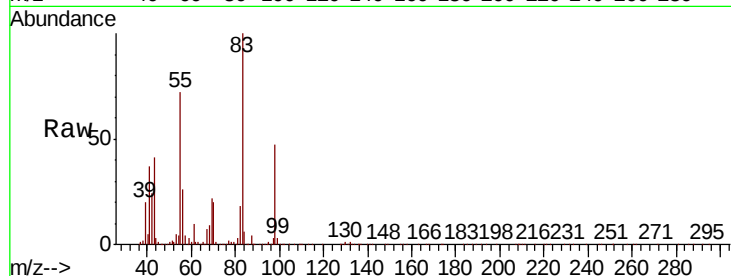




#39
Methvlcvclohexane
Concen: 54.432 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

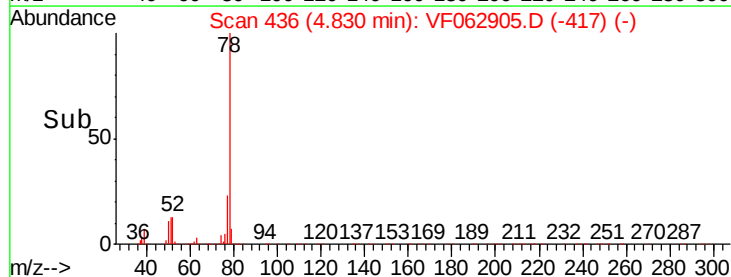
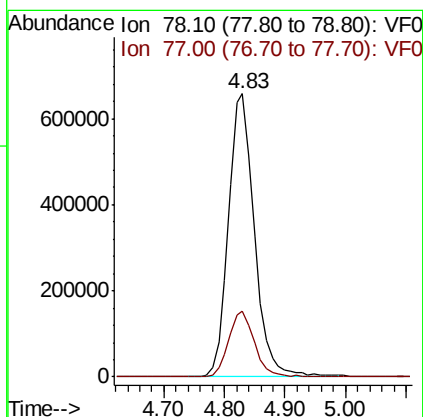
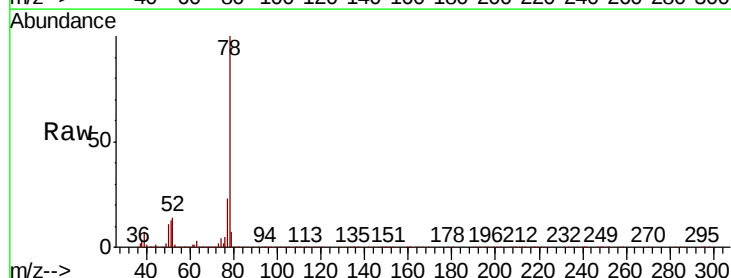
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

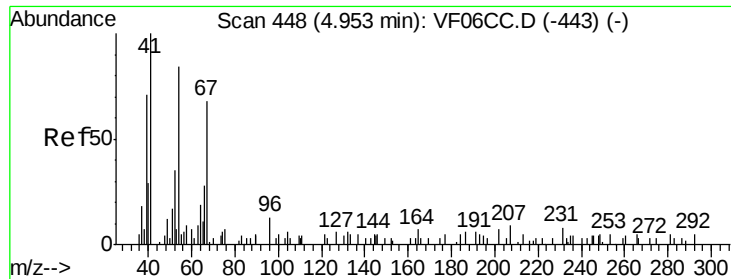
Tot Ion: 83 Resp: 869928
Ion Ratio Lower Upper
83 100
55 72.5 61.6 92.4
98 46.8 37.4 56.2



#40
Benzene
Concen: 52.377 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 78 Resp: 1957460
Ion Ratio Lower Upper
78 100
77 23.1 18.9 28.3

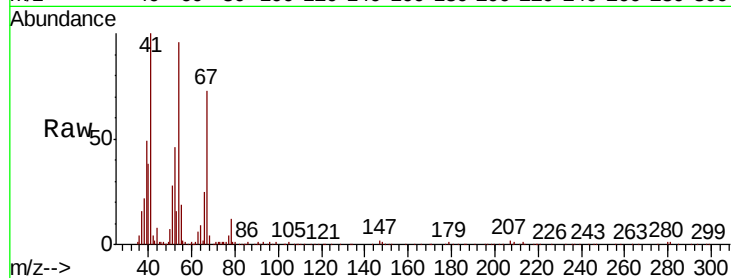




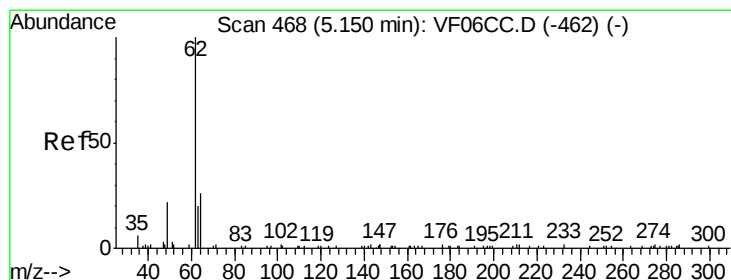
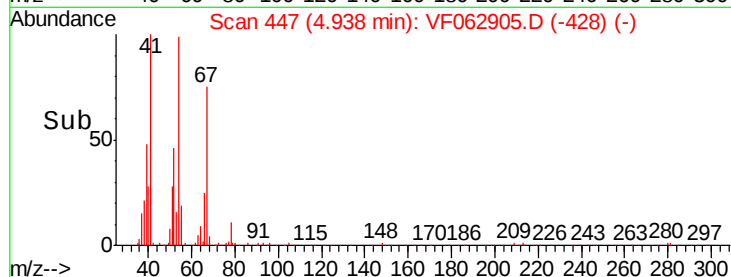
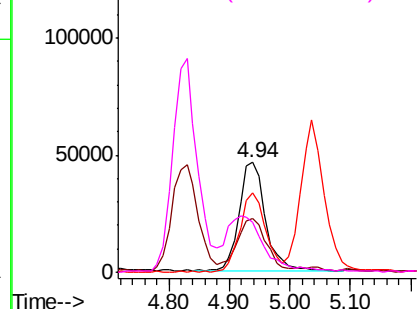
#41
Methacrylonitrile
Concen: 53.023 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	144691
Ion	Ratio	Lower	Upper
41	100		
39	48.7	42.0	63.0
67	72.9	61.4	92.0
52	45.7	42.1	63.1

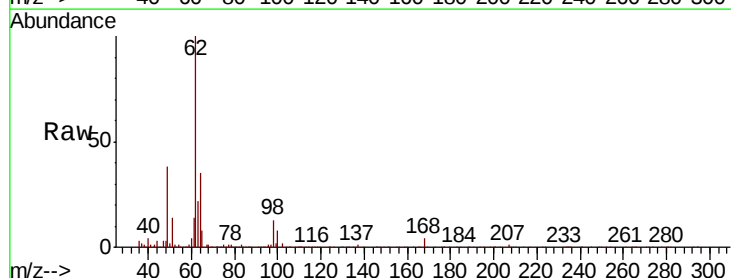


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

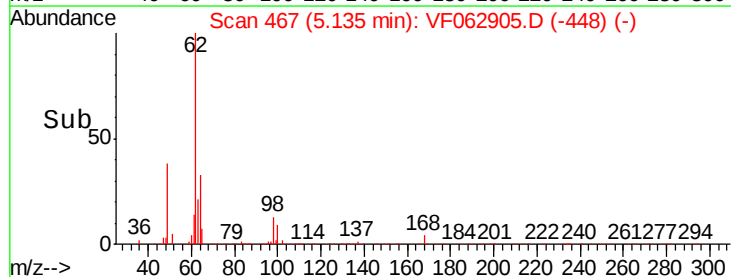
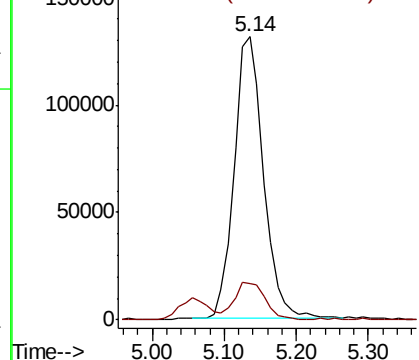


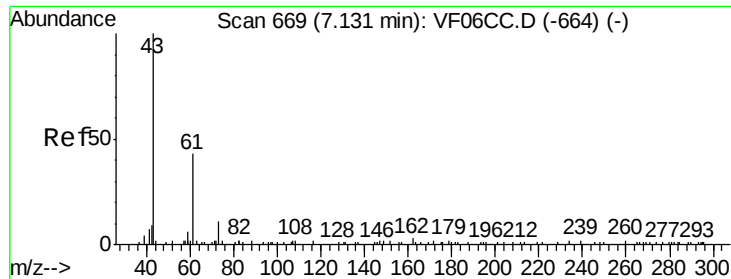
#42
1,2-Dichloroethane
Concen: 51.971 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:	62	Resp:	369408
Ion	Ratio	Lower	Upper
62	100		
98	12.8	0.0	24.0



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

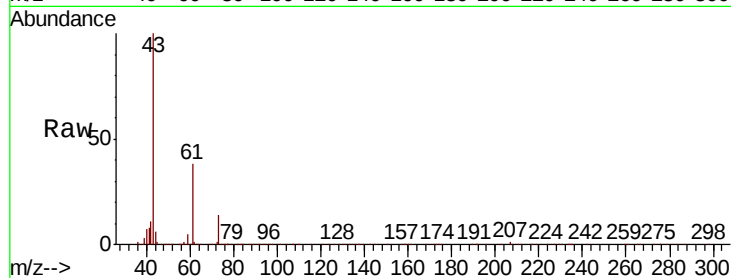




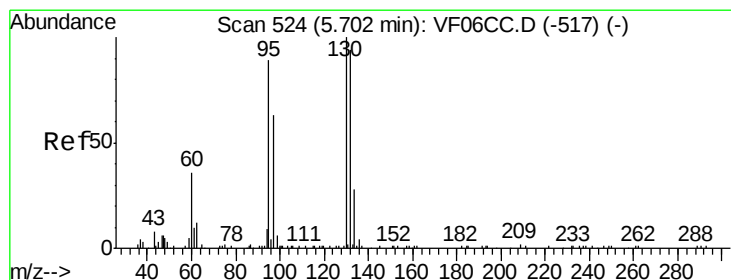
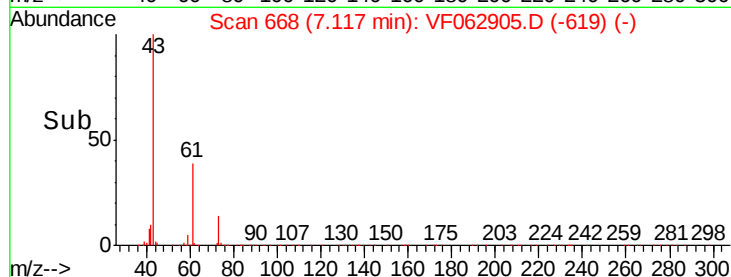
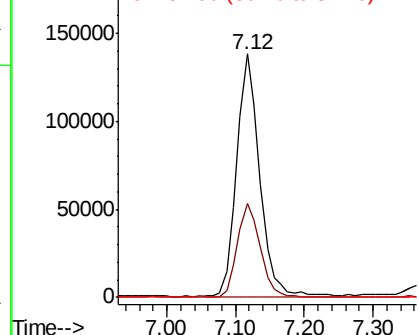
#43
Isopropyl Acetate
Concen: 48.880 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 316958
Ion Ratio Lower Upper
43 100
61 38.5 29.8 44.6
87 0.4 0.3 0.5

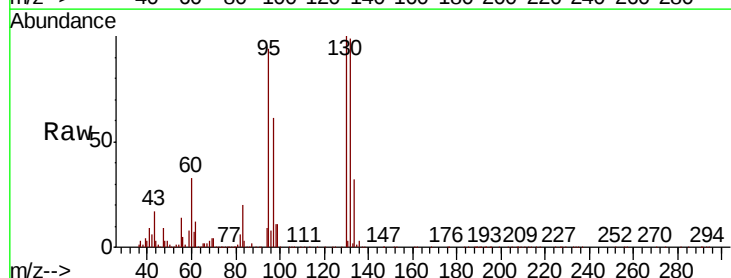


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

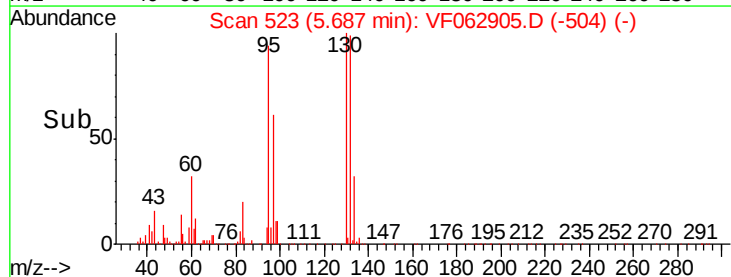
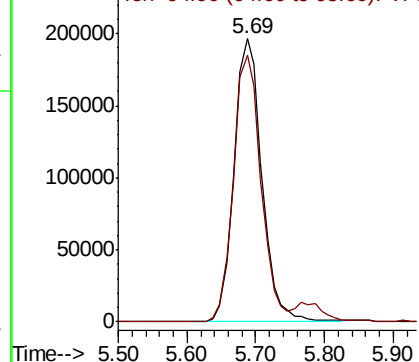


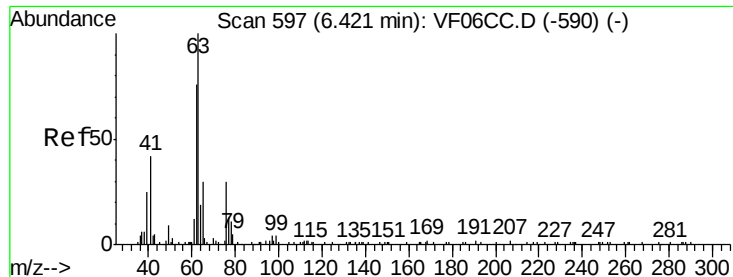
#44
Trichloroethene
Concen: 52.132 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 130 Resp: 549851
Ion Ratio Lower Upper
130 100
95 94.4 0.0 188.2



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 53.292 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

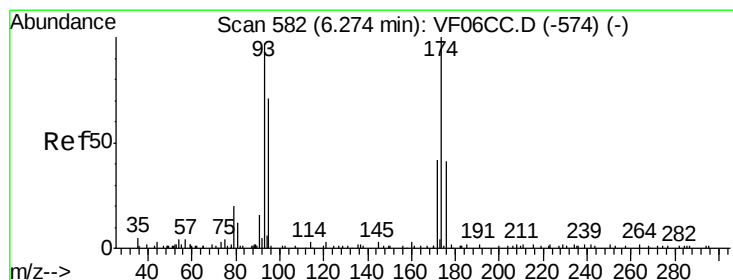
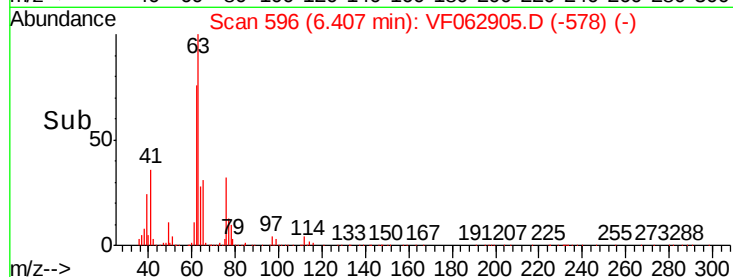
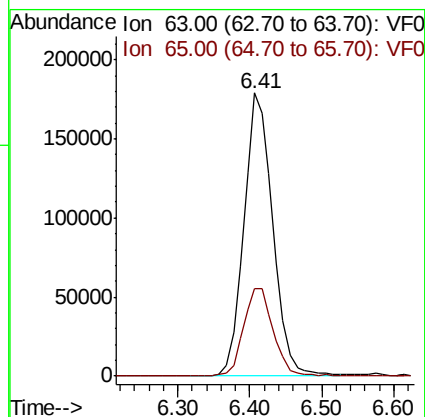
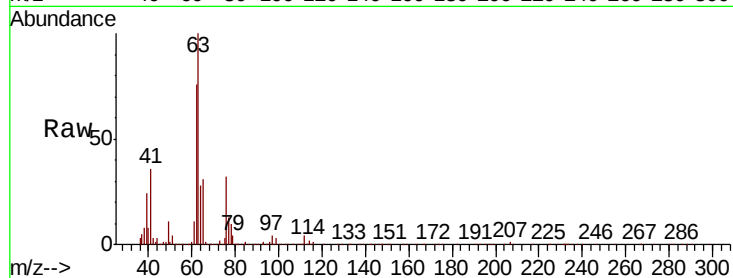
VSTDCCC050

Tot Ion: 63 Resp: 499793

Ion Ratio Lower Upper

63 100

65 31.0 24.2 36.2



#46

Dibromomethane

Concen: 54.389 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

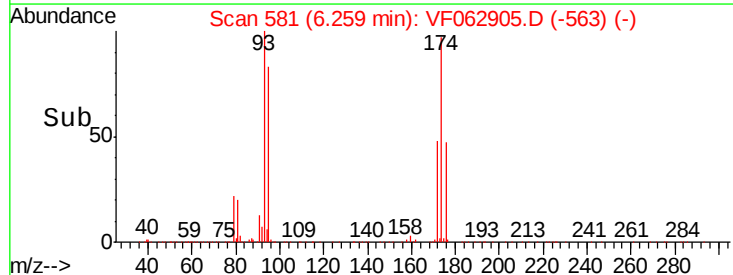
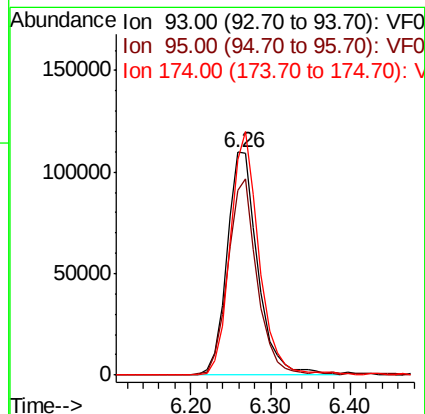
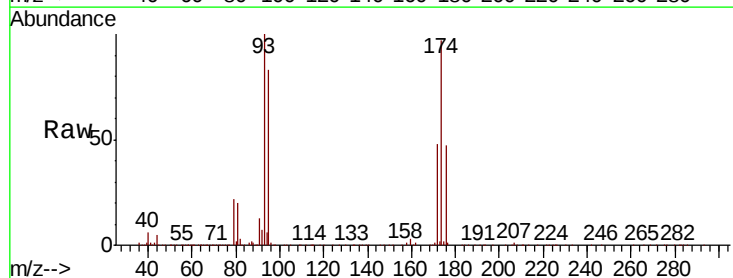
Tgt Ion: 93 Resp: 297807

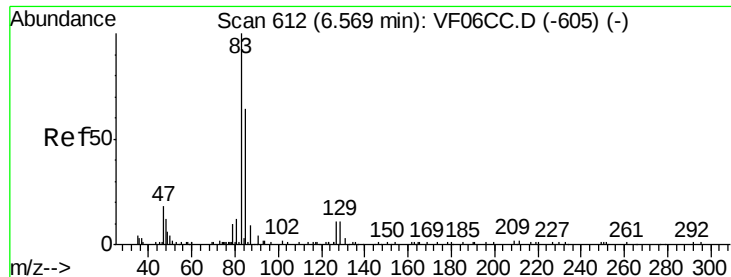
Ion Ratio Lower Upper

93 100

95 82.9 67.9 101.9

174 96.8 85.0 127.4





#47

Bromodichloromethane

Concen: 53.700 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

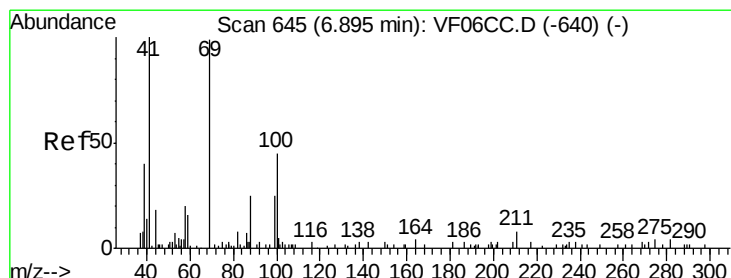
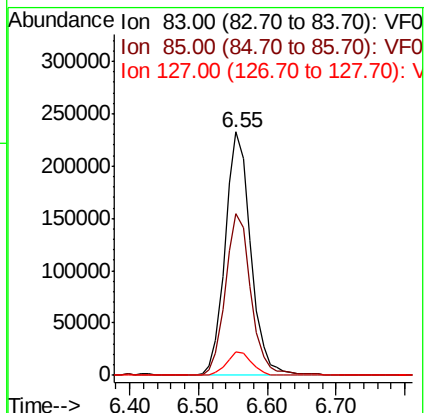
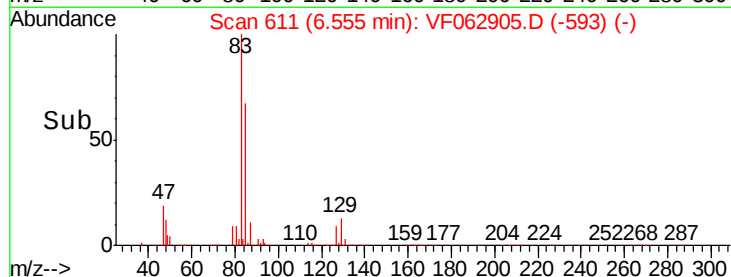
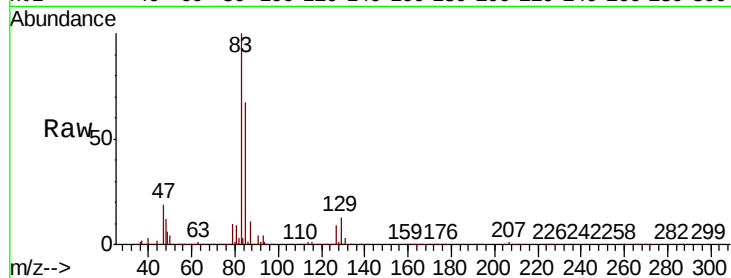
Tot Ion: 83 Resp: 598824

Ion Ratio Lower Upper

83 100

85 66.5 54.2 81.4

127 9.4 7.0 10.4



#48

Methyl methacrylate

Concen: 52.875 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

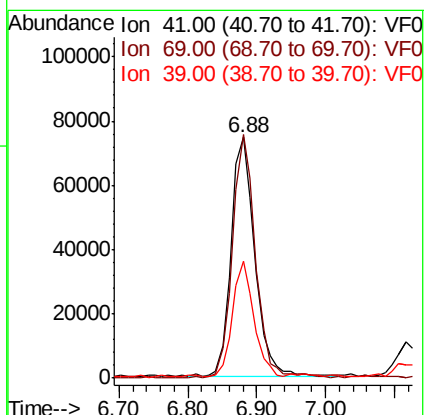
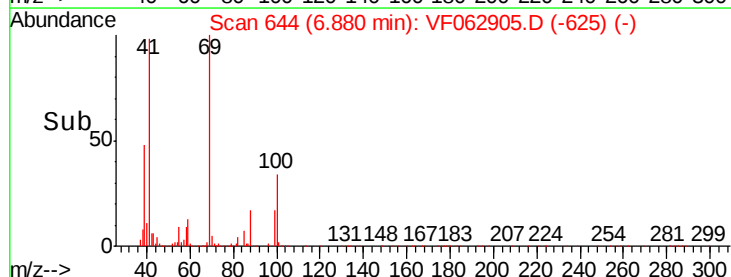
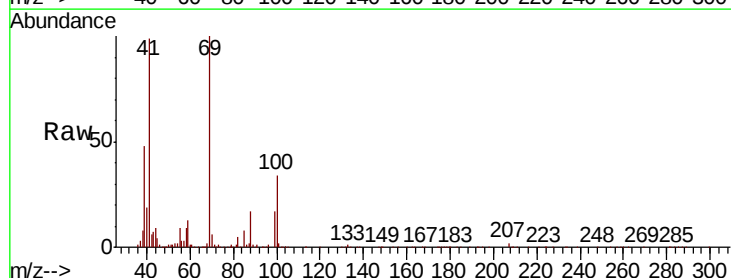
Tgt Ion: 41 Resp: 176701

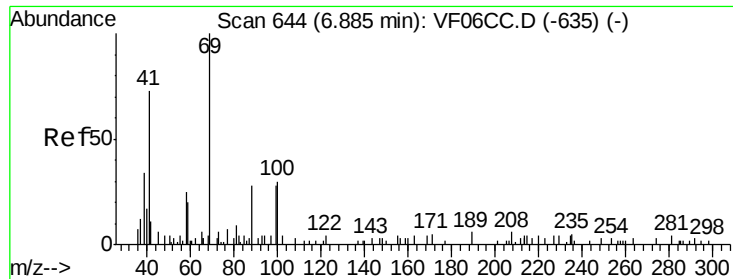
Ion Ratio Lower Upper

41 100

69 101.1 79.4 119.2

39 48.8 39.8 59.6

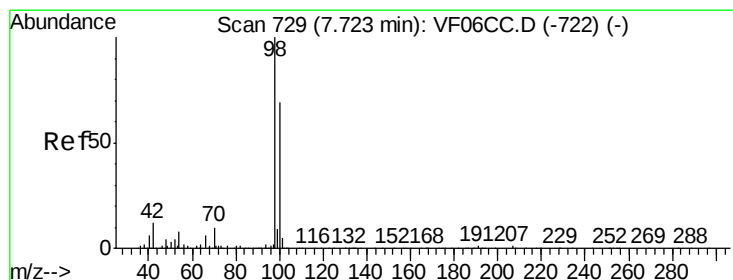
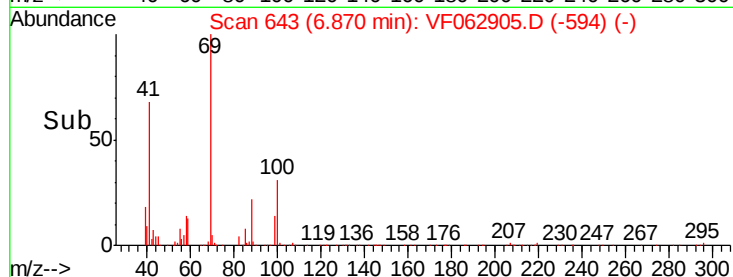
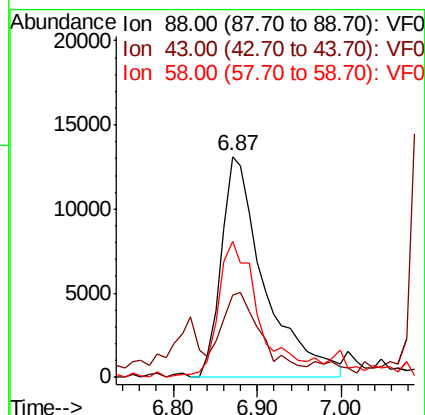
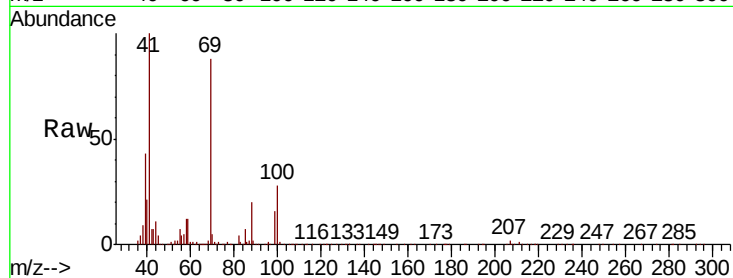




#49
1,4-Dioxane
Concen: 1065.940 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

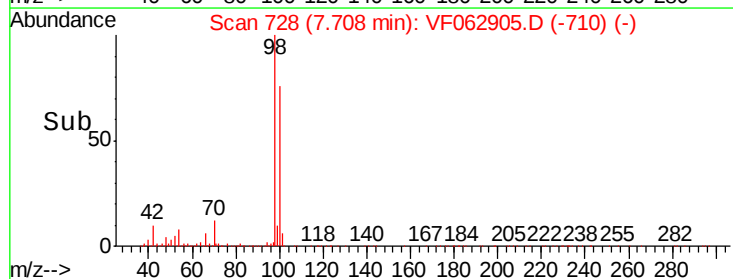
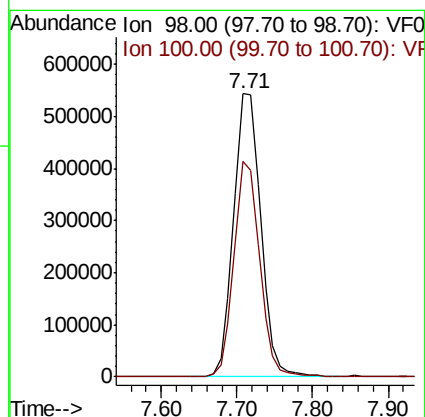
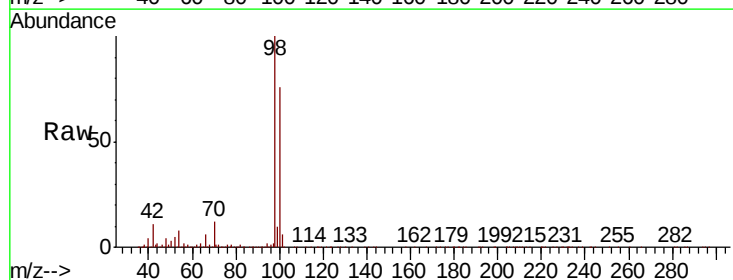
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

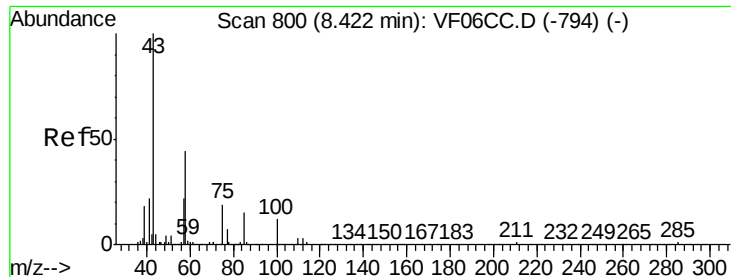
Tot Ion: 88 Resp: 46954
Ion Ratio Lower Upper
88 100
43 37.2 34.8 52.2
58 61.3 59.9 89.9



#50
Toluene-d8
Concen: 50.738 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.03 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 98 Resp: 1352389
Ion Ratio Lower Upper
98 100
100 76.2 59.8 89.8





#51

4-Methyl-2-Pentanone

Concen: 256.450 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

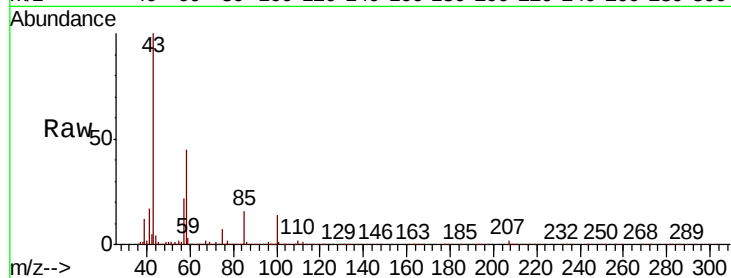
VSTDCCC050

Tot Ion: 43 Resp: 1187238

Ion Ratio Lower Upper

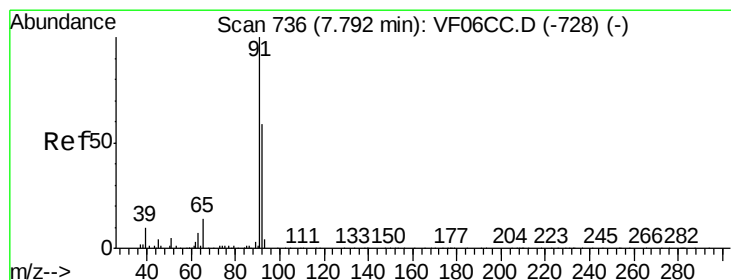
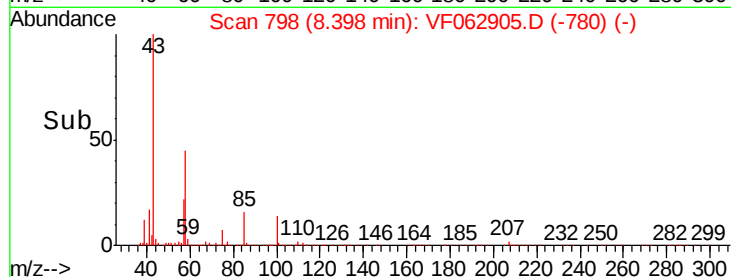
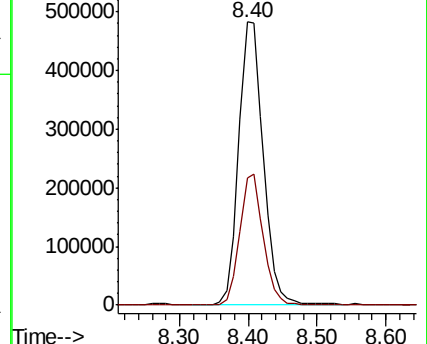
43 100

58 44.8 35.5 53.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 53.728 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.02 min

Lab File: VF062905.D

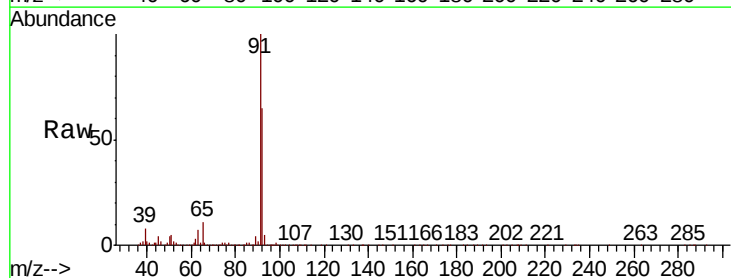
Acq: 10 Jun 2019 13:56

Tgt Ion: 92 Resp: 1081494

Ion Ratio Lower Upper

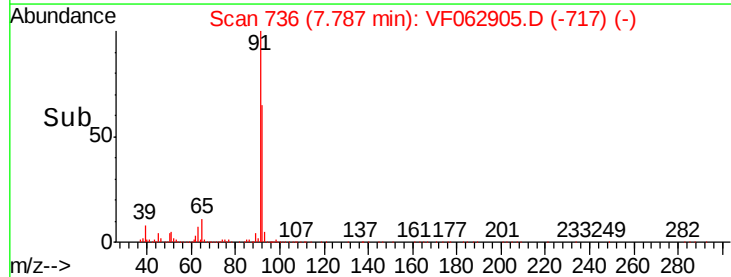
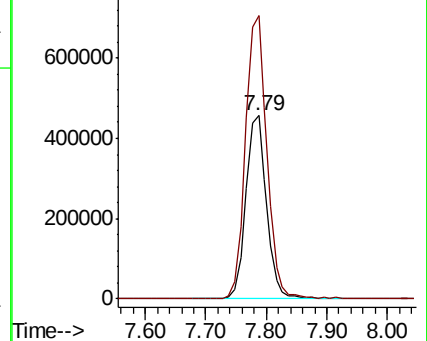
92 100

91 154.7 123.2 184.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 53.414 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

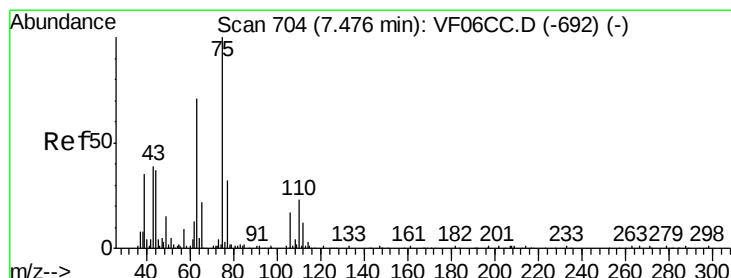
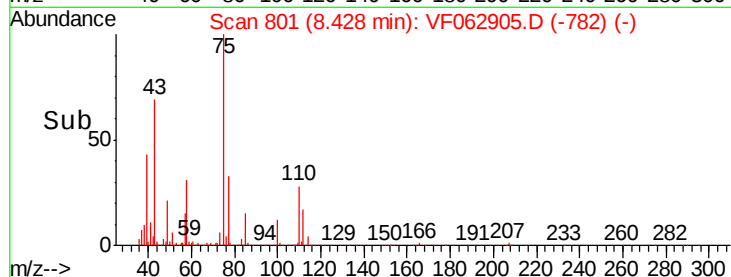
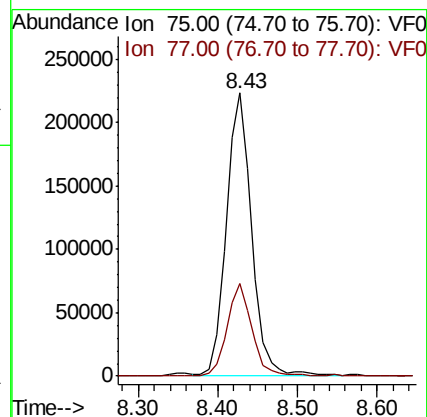
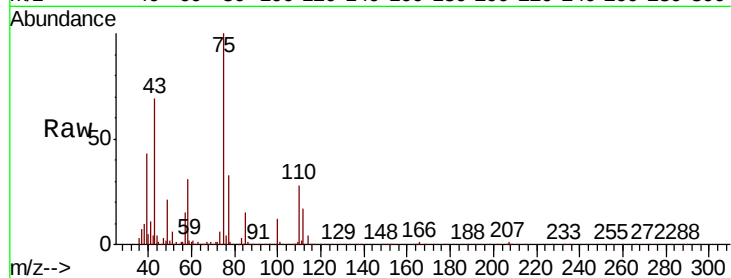
VSTDCCC050

Tot Ion: 75 Resp: 493571

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 52.798 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

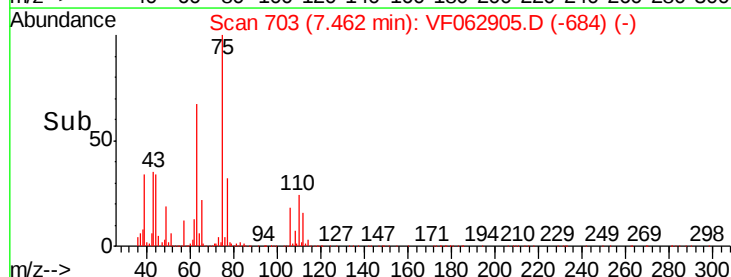
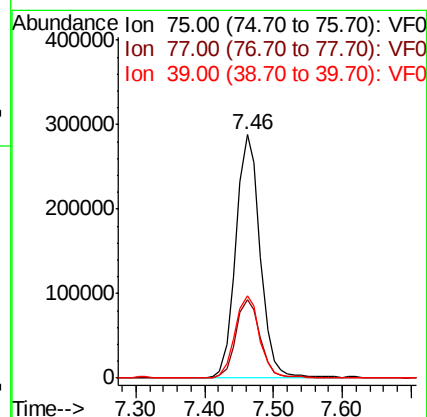
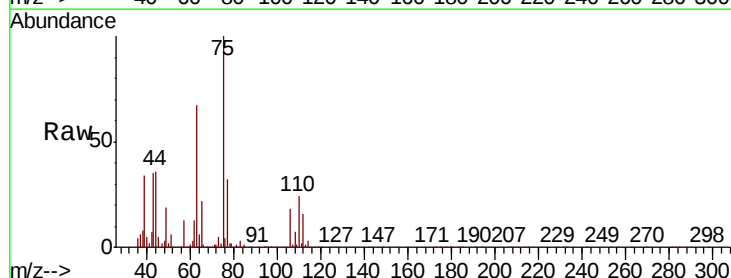
Tgt Ion: 75 Resp: 706209

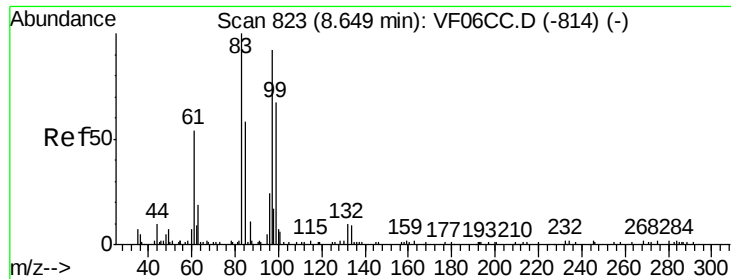
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 33.8 28.4 42.6





#55

1,1,2-Trichloroethane

Concen: 52.777 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 317380

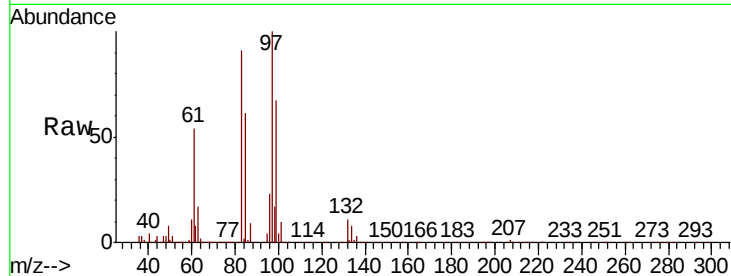
Ion Ratio Lower Upper

97 100

83 90.8 72.0 108.0

85 60.9 47.5 71.3

99 67.1 54.1 81.1

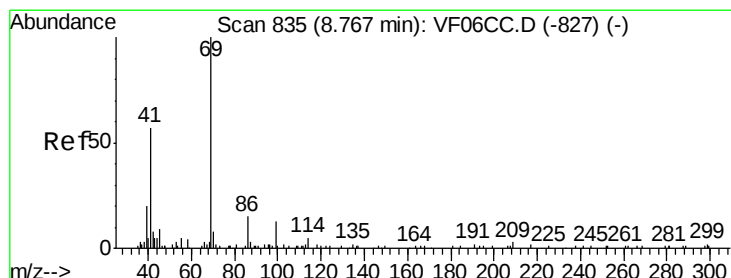
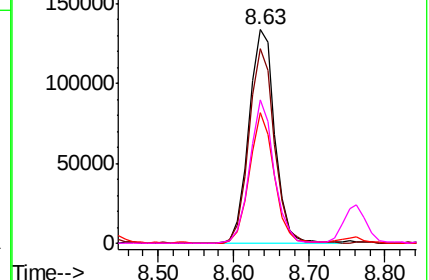
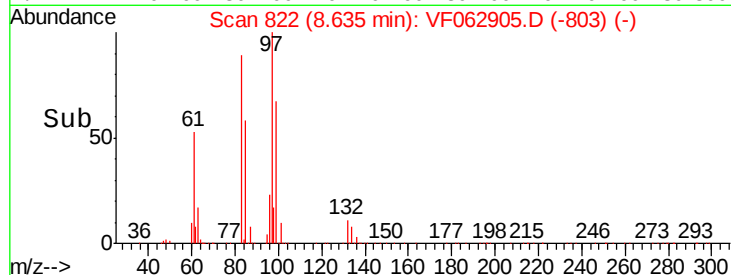


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 51.816 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

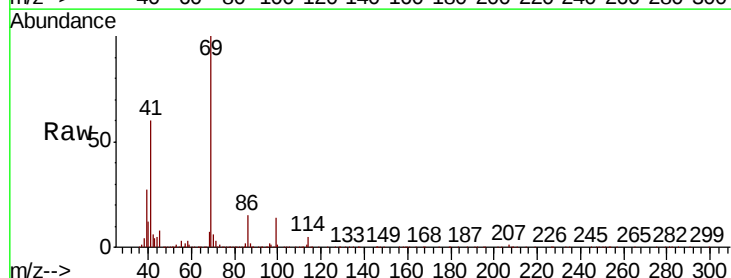
Tgt Ion: 69 Resp: 334335

Ion Ratio Lower Upper

69 100

41 59.8 46.6 69.8

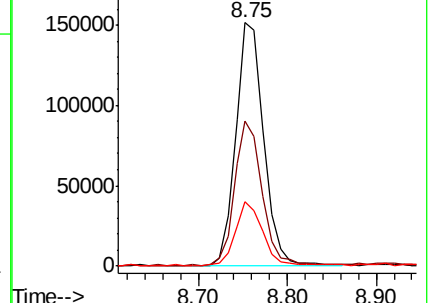
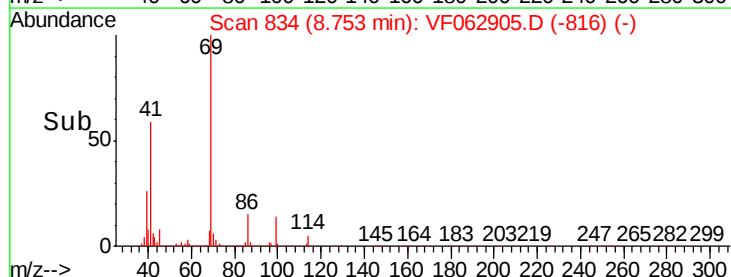
39 26.7 19.6 29.4

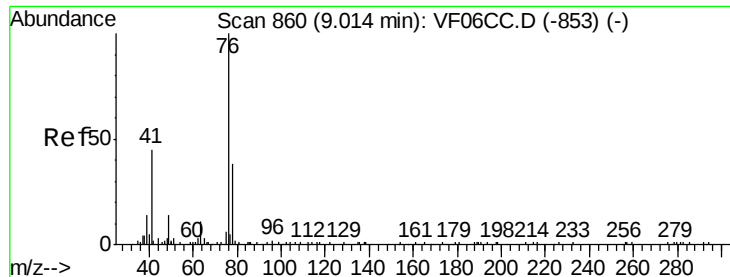


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.157 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

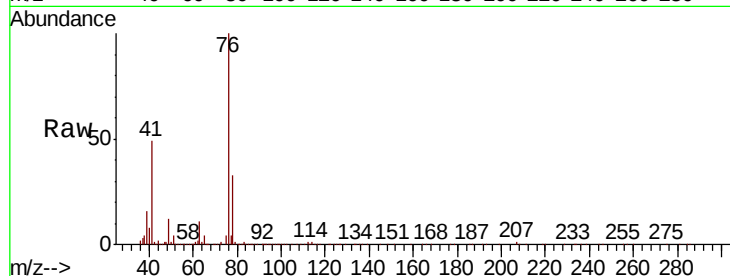
VSTDCCC050

Tot Ion: 76 Resp: 522010

Ion Ratio Lower Upper

76 100

78 32.6 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.00

250000

200000

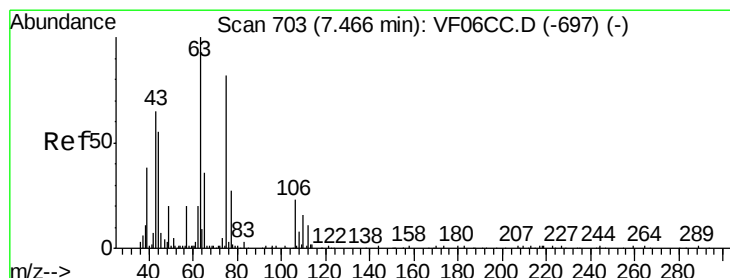
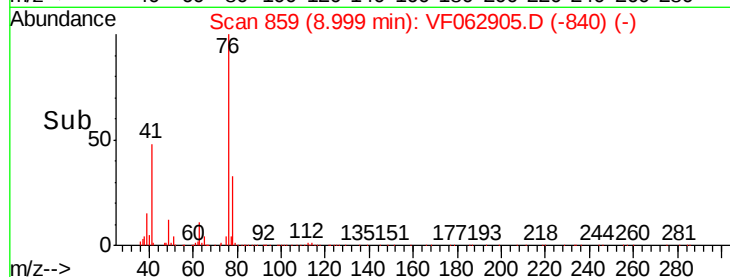
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 234.426 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.02 min

Lab File: VF062905.D

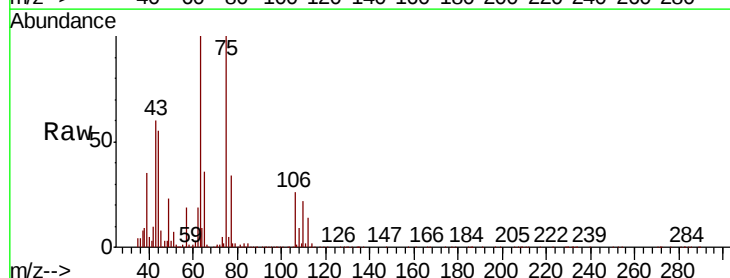
Acq: 10 Jun 2019 13:56

Tgt Ion: 63 Resp: 528638

Ion Ratio Lower Upper

63 100

106 26.5 19.5 29.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.45

250000

200000

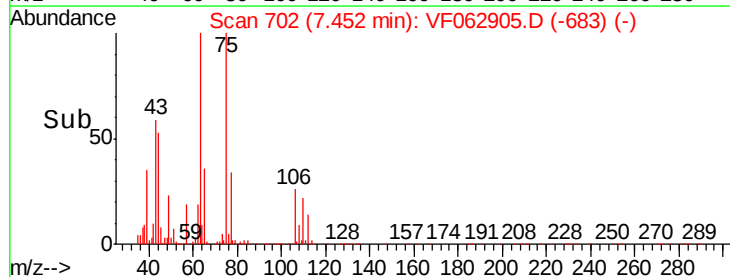
150000

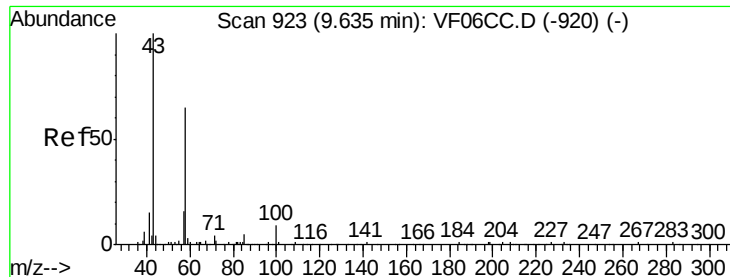
100000

50000

0

Time-->

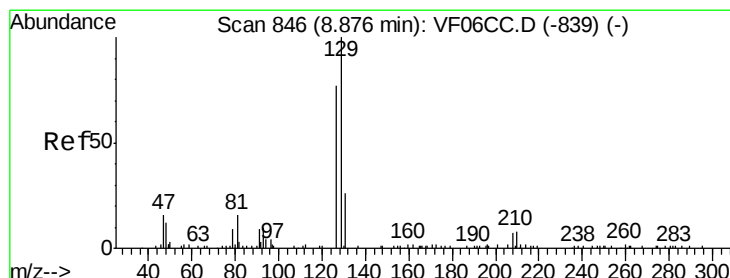
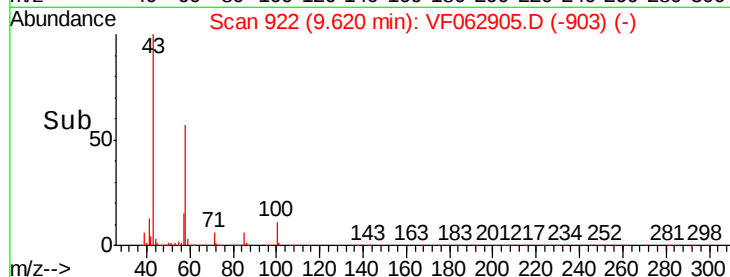
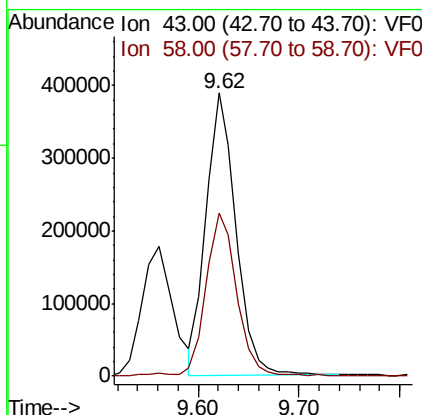
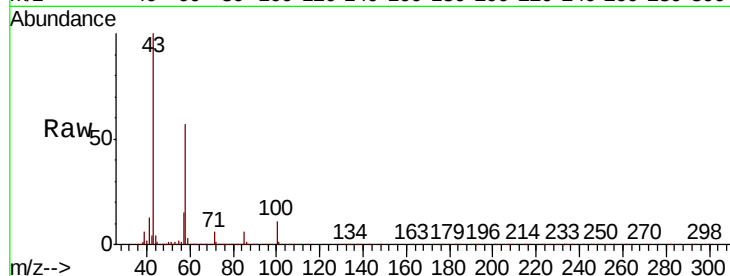




#59
2-Hexanone
Concen: 241.763 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

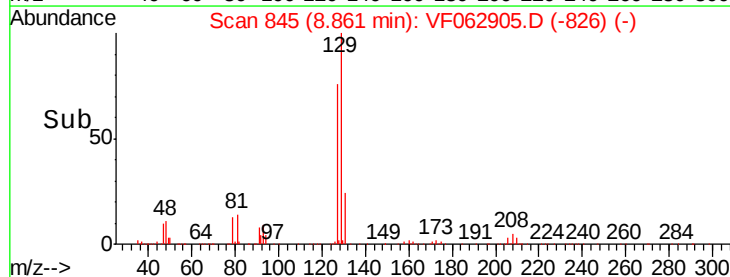
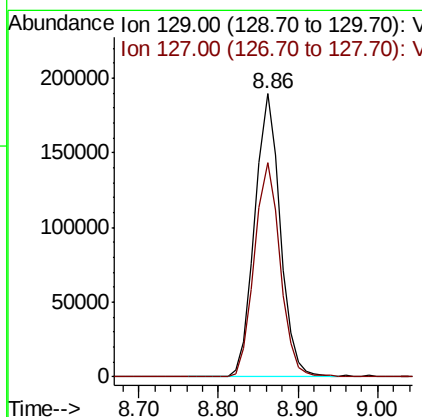
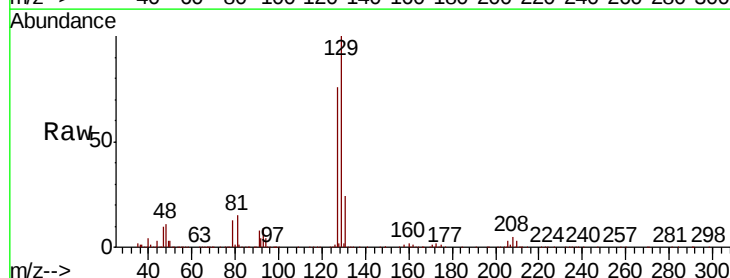
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

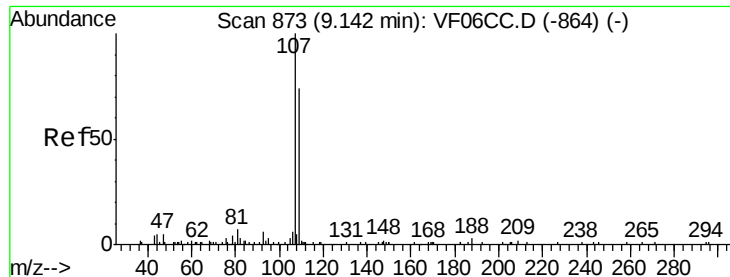
Tot Ion: 43 Resp: 797761
Ion Ratio Lower Upper
43 100
58 57.5 29.3 87.9



#60
Dibromochloromethane
Concen: 56.139 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 129 Resp: 417963
Ion Ratio Lower Upper
129 100
127 75.9 37.1 111.3





#61

1,2-Dibromoethane

Concen: 53.415 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

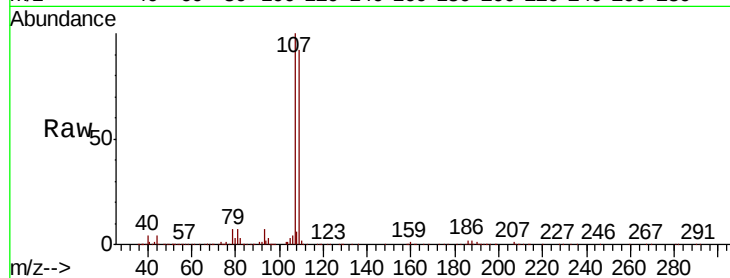
VSTDCCC050

Tot Ion:107 Resp: 333598

Ion Ratio Lower Upper

107 100

109 91.7 78.1 117.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

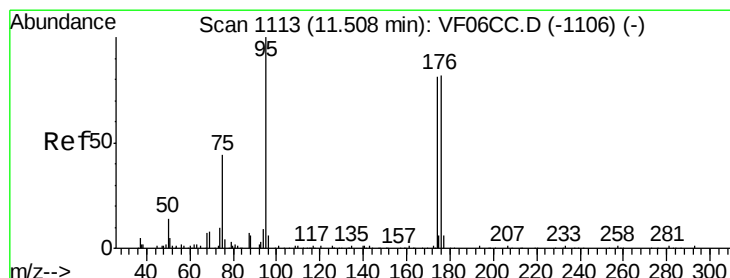
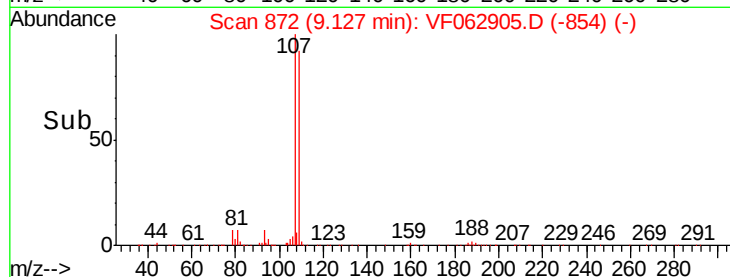
9.13

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.777 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

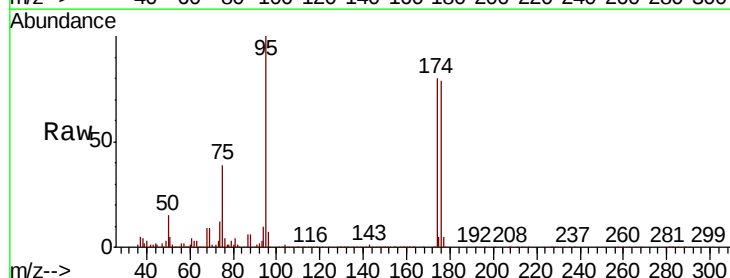
Tgt Ion: 95 Resp: 448488

Ion Ratio Lower Upper

95 100

174 79.6 0.0 170.6

176 78.8 0.0 170.6



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

300000

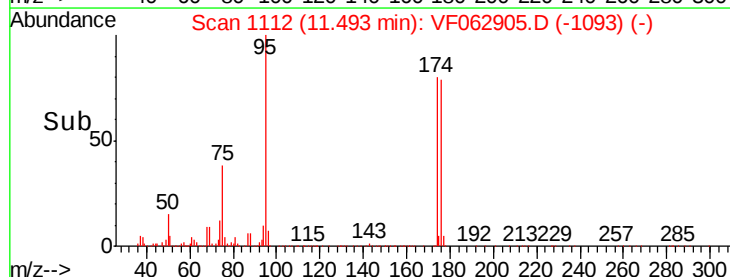
11.49

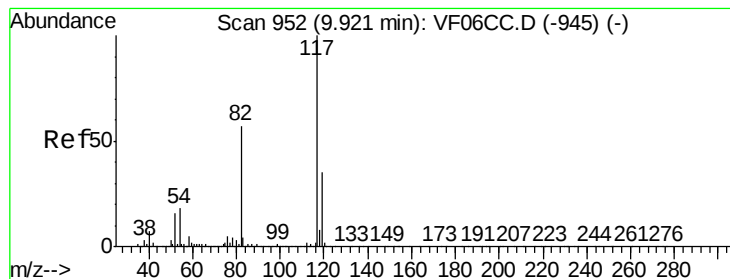
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

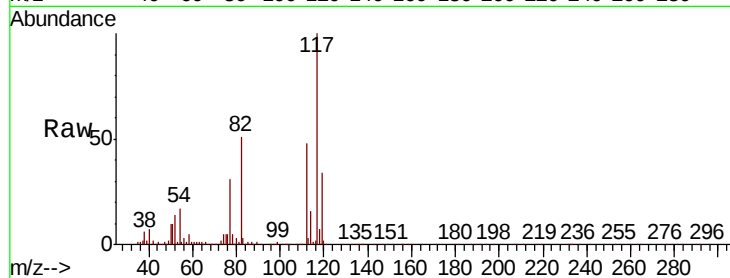
Tot Ion:117 Resp: 1063095

Ion Ratio Lower Upper

117 100

82 51.2 42.4 63.6

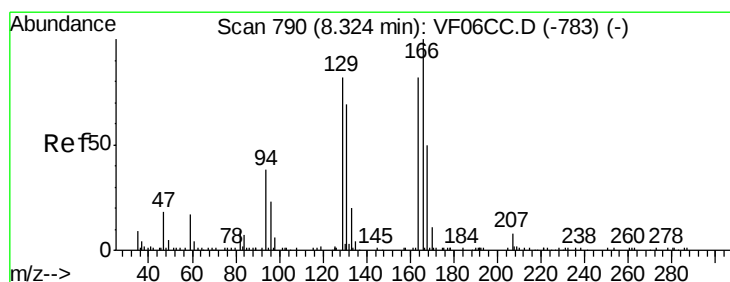
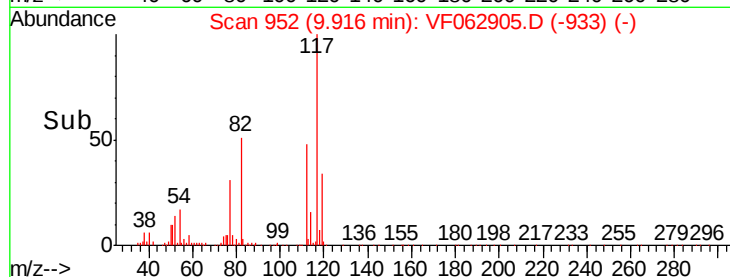
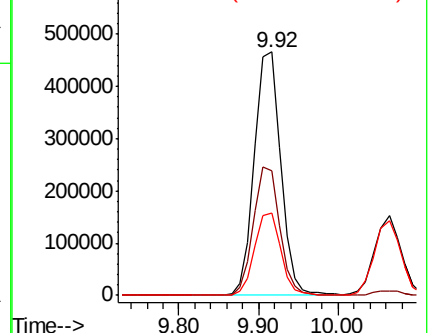
119 33.7 27.1 40.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 51.439 ug/l

RT: 8.31 min Scan# 789

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion:164 Resp: 420216

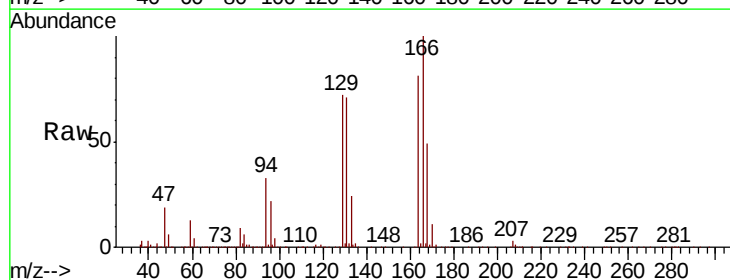
Ion Ratio Lower Upper

164 100

166 124.2 99.1 148.7

129 89.5 69.5 104.3

131 88.6 69.2 103.8

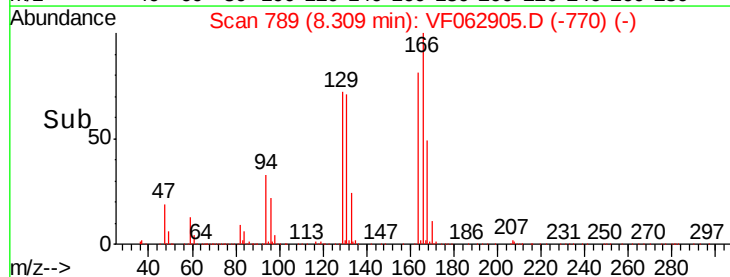
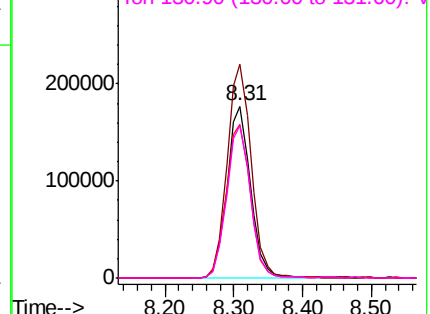


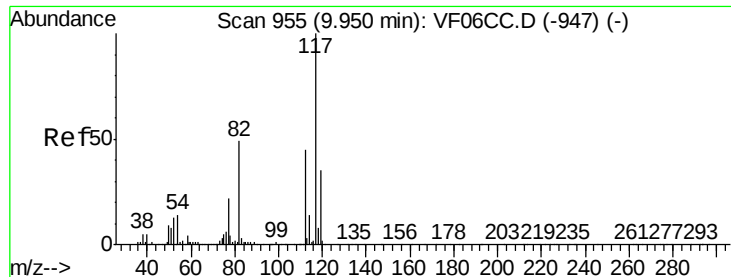
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

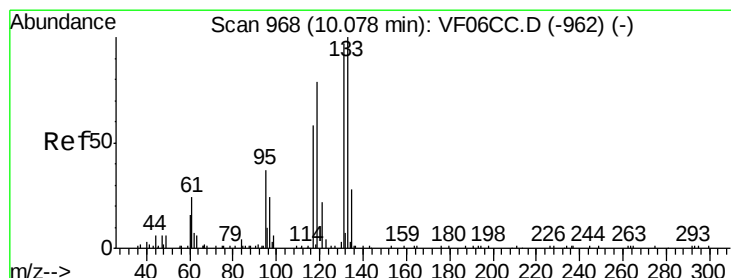
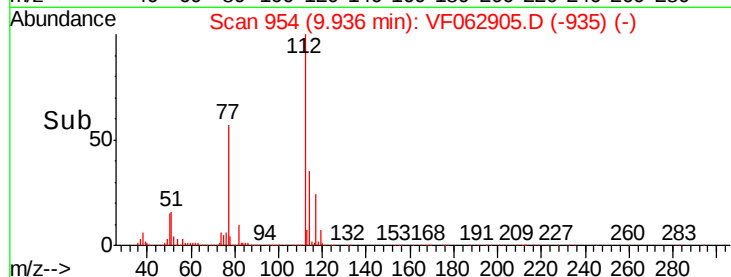
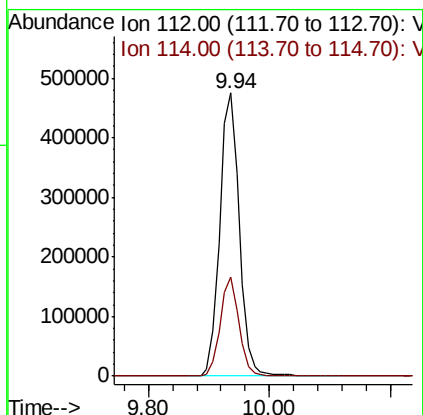
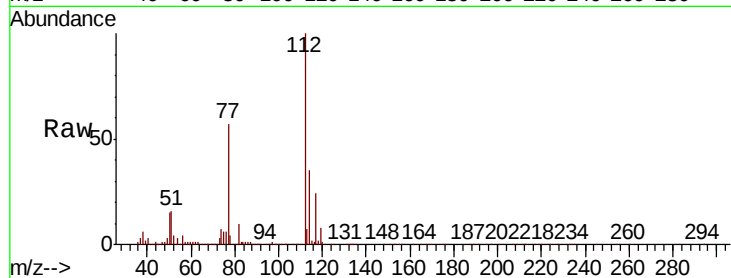




#65
Chlorobenzene
Concen: 51.975 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

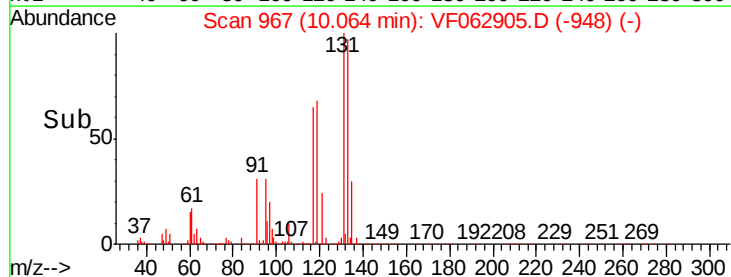
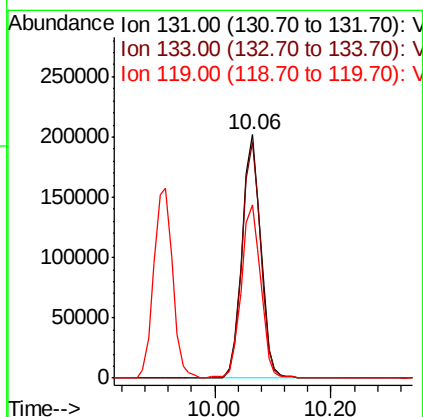
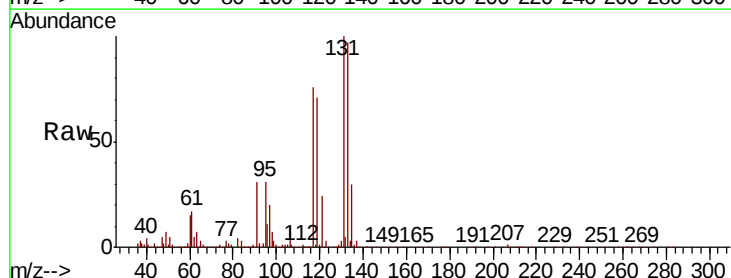
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

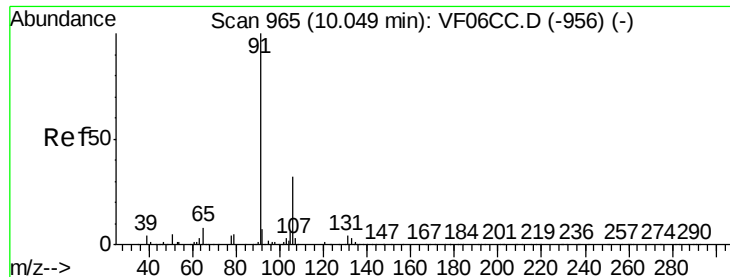
Tot Ion:112 Resp: 1067055
Ion Ratio Lower Upper
112 100
114 34.8 27.4 41.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.452 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:131 Resp: 453388
Ion Ratio Lower Upper
131 100
133 97.1 48.9 146.7
119 71.4 38.0 114.0





#67

Ethyl Benzene

Concen: 52.668 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

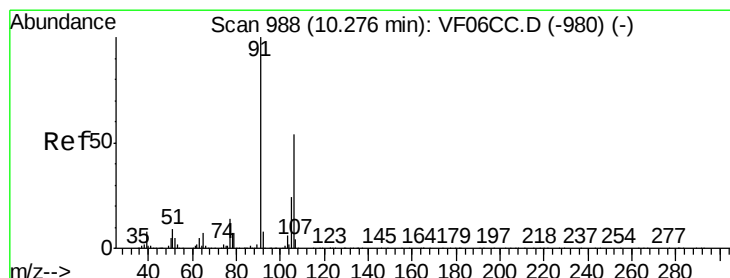
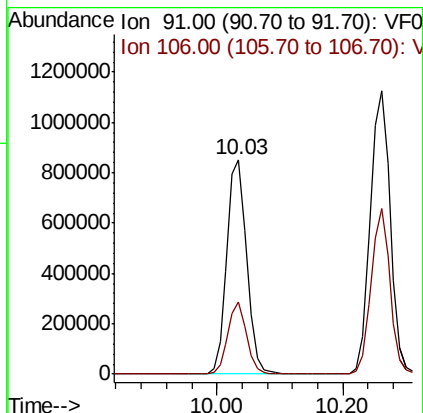
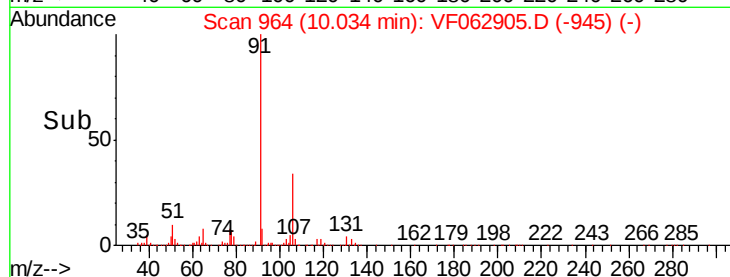
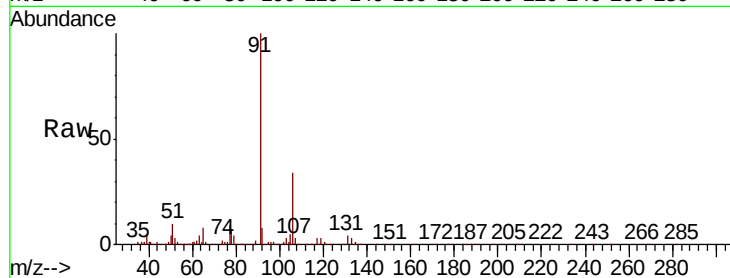
VSTDCCC050

Tot Ion: 91 Resp: 1855516

Ion Ratio Lower Upper

91 100

106 33.6 26.0 39.0



#68

m/p-Xylenes

Concen: 101.559 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF062905.D

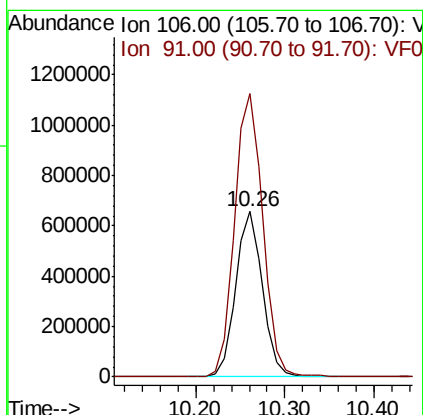
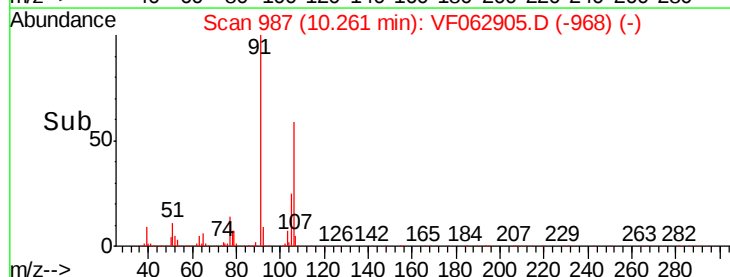
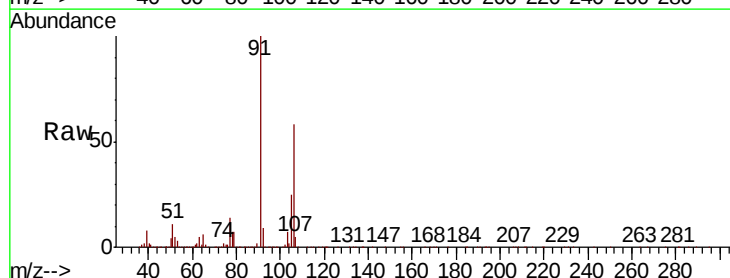
Acq: 10 Jun 2019 13:56

Tgt Ion: 106 Resp: 1369161

Ion Ratio Lower Upper

106 100

91 171.1 136.2 204.4

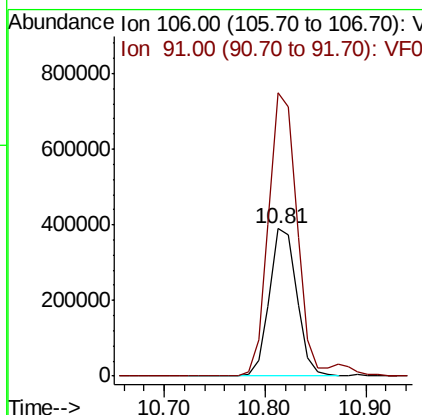
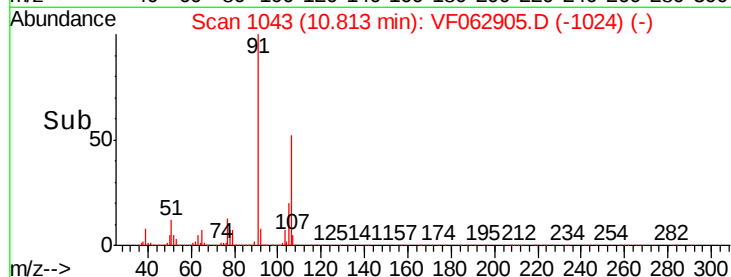
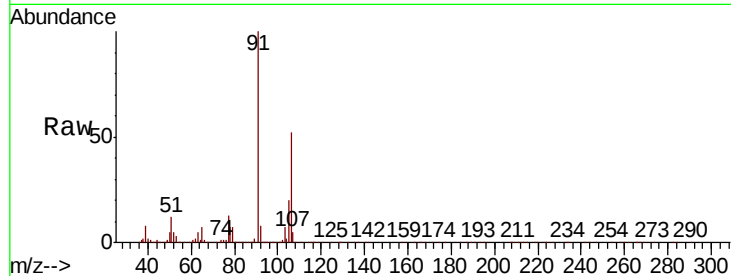




#69
o-Xylene
Concen: 53.803 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

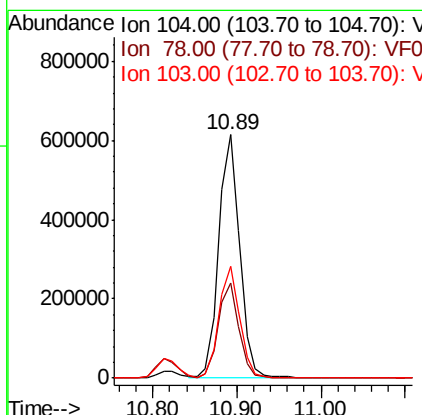
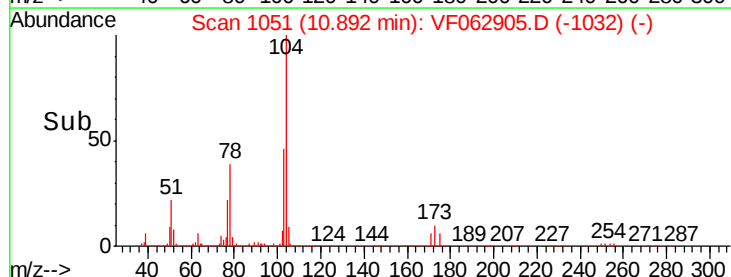
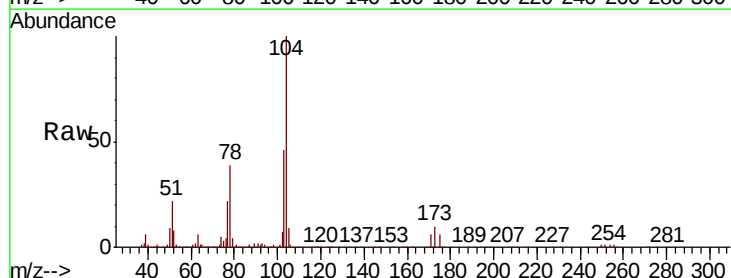
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

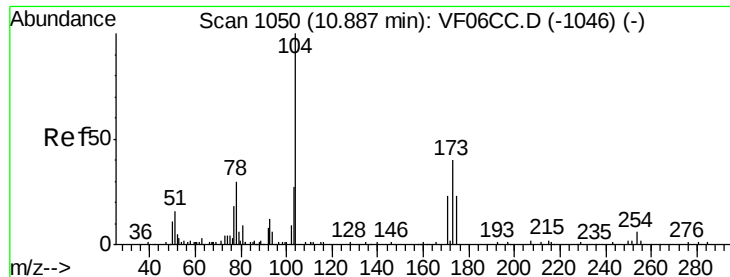
Tot Ion:106 Resp: 734385
Ion Ratio Lower Upper
106 100
91 192.3 96.6 289.8



#70
Styrene
Concen: 52.594 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:104 Resp: 1058102
Ion Ratio Lower Upper
104 100
78 39.2 30.8 46.2
103 46.1 35.8 53.6





#71

Bromoform

Concen: 57.883 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

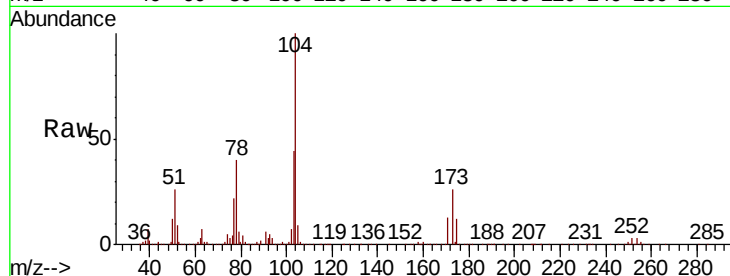
Tot Ion:173 Resp: 227035

Ion Ratio Lower Upper

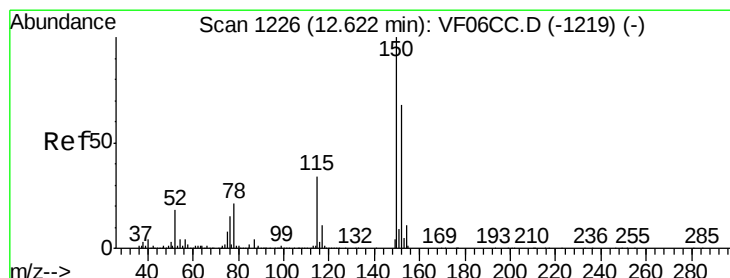
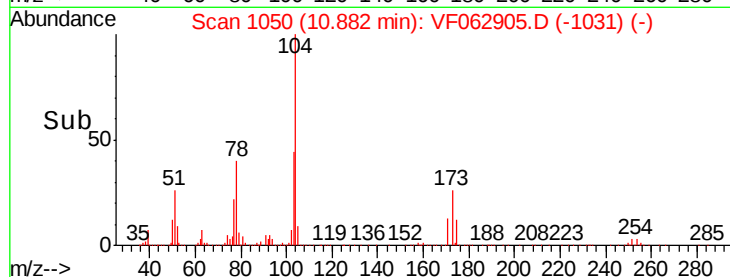
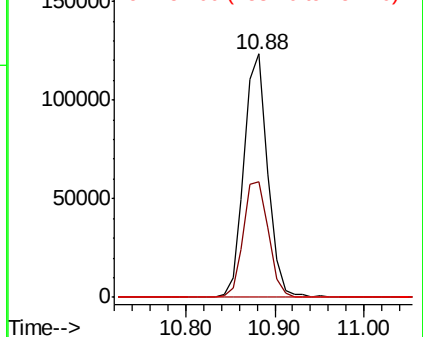
173 100

175 47.3 24.6 74.0

254 0.0 0.1 0.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

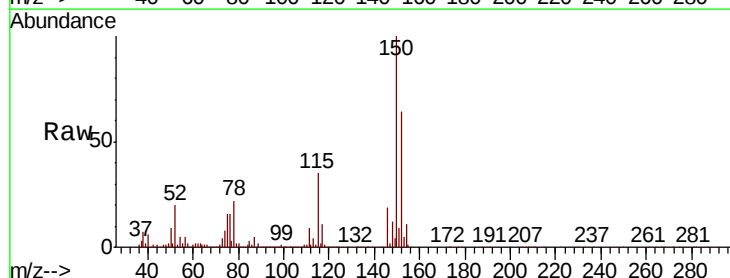
Tgt Ion:152 Resp: 499802

Ion Ratio Lower Upper

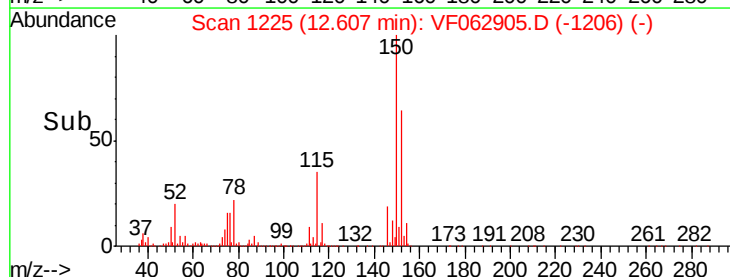
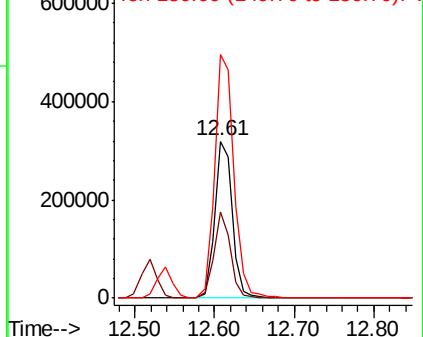
152 100

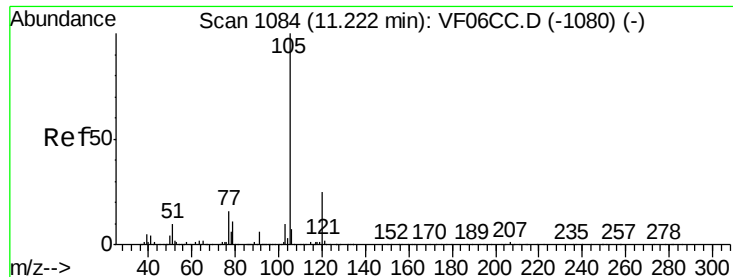
115 55.0 24.6 74.0

150 155.3 0.0 290.6



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.359 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

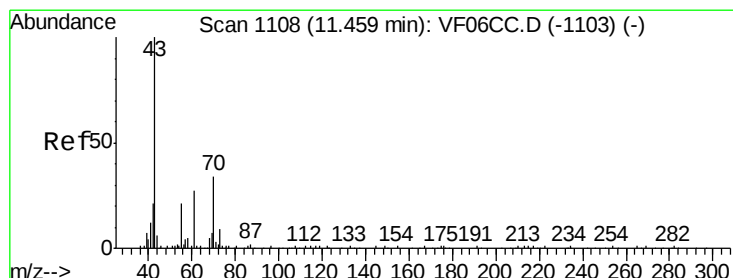
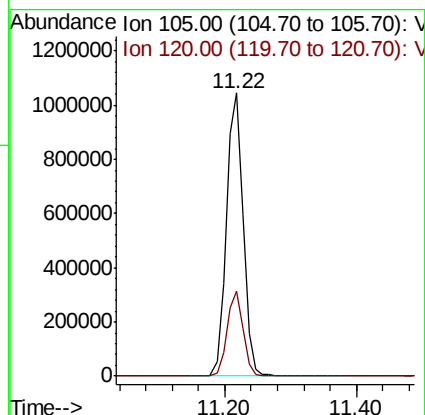
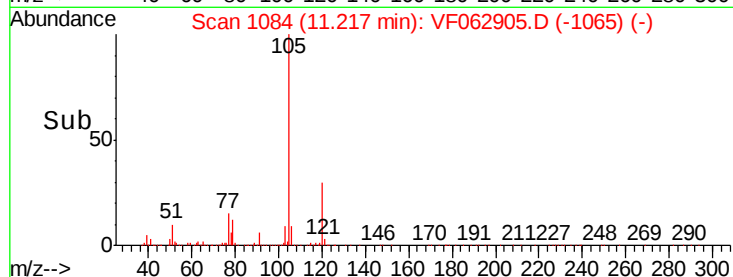
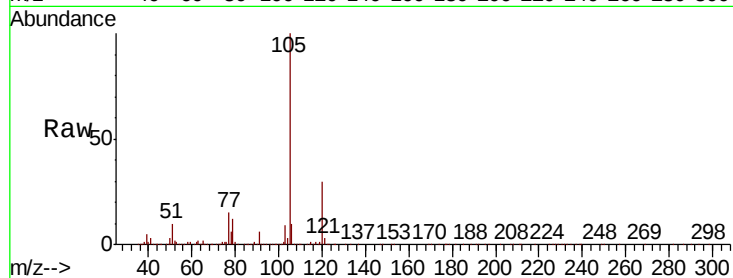
VSTDCCC050

Tot Ion:105 Resp: 1860843

Ion Ratio Lower Upper

105 100

120 29.9 15.1 45.3



#74

N-ethyl acetate

Concen: 46.275 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Tgt Ion: 43 Resp: 454842

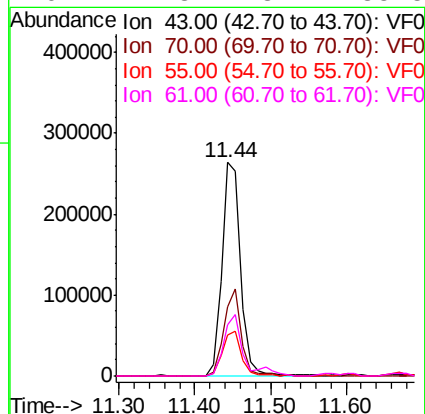
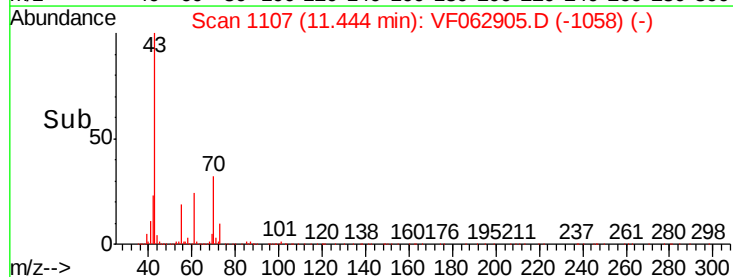
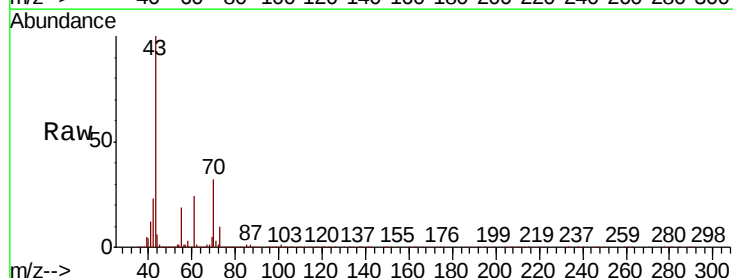
Ion Ratio Lower Upper

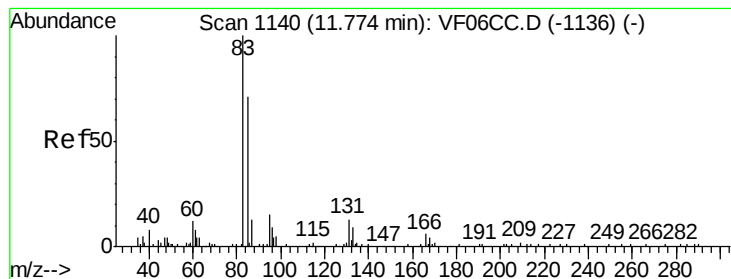
43 100

70 32.1 32.9 49.3#

55 18.9 17.3 25.9

61 24.3 23.7 35.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.178 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

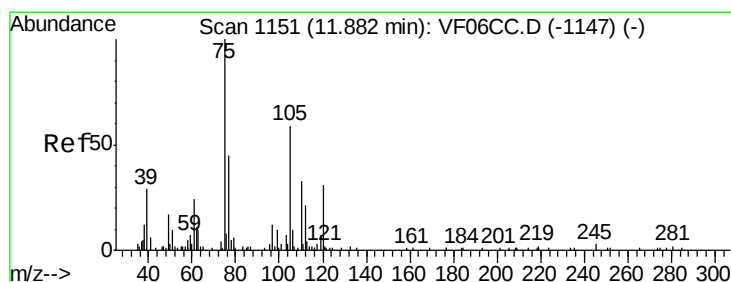
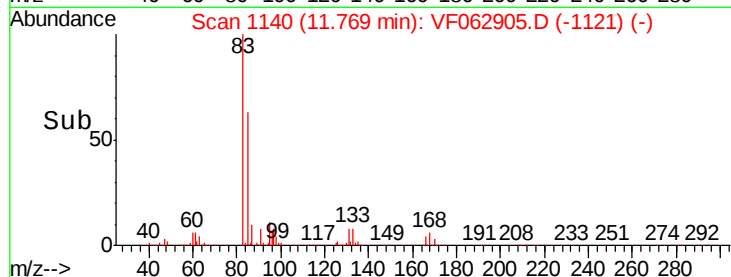
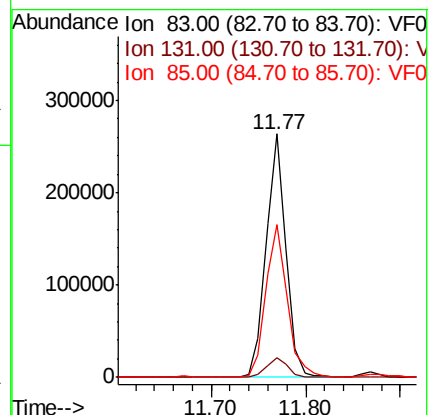
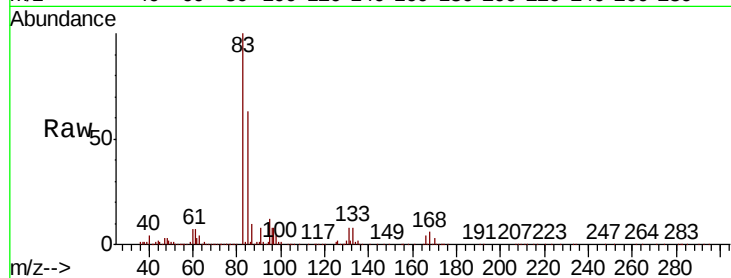
Tot Ion: 83 Resp: 388596

Ion	Ratio	Lower	Upper
83	100		
131	8.2	4.9	14.7
85	62.6	32.1	96.5

83 100

131 8.2 4.9 14.7

85 62.6 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 50.415 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VF062905.D

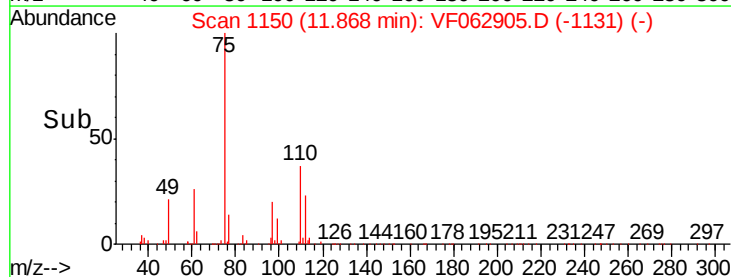
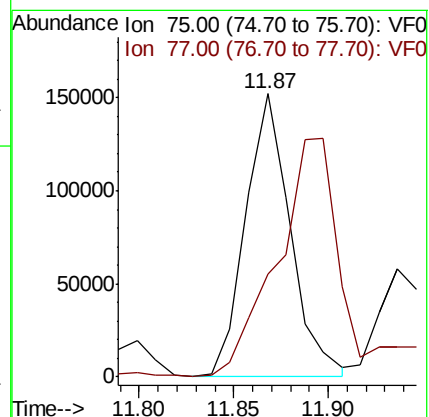
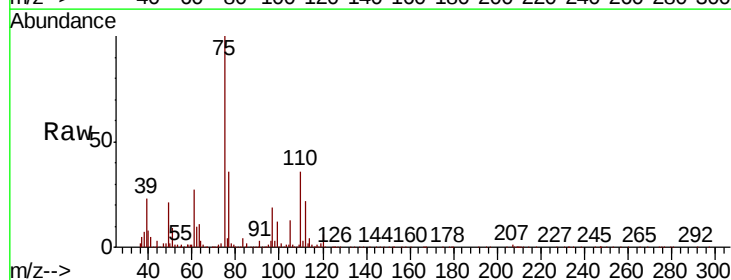
Acq: 10 Jun 2019 13:56

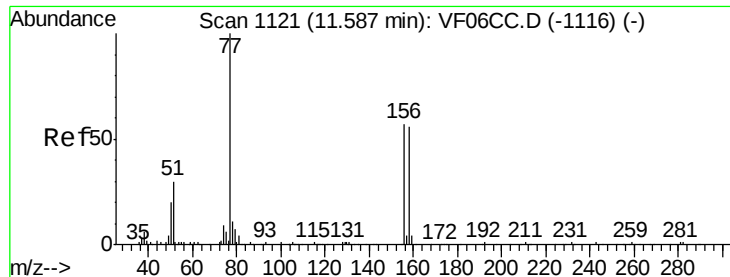
Tgt Ion: 75 Resp: 248877

Ion	Ratio	Lower	Upper
75	100		
77	36.2	20.1	60.2

75 100

77 36.2 20.1 60.2





#77

Bromobenzene

Concen: 51.982 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

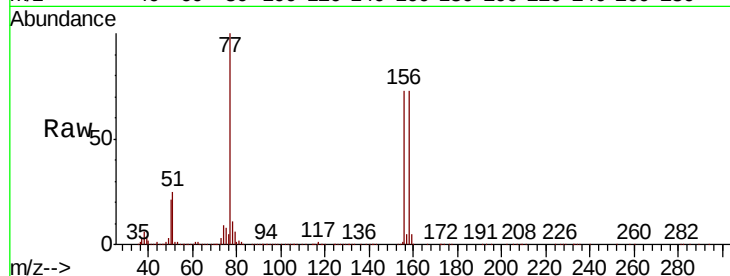
Tot Ion:156 Resp: 455489

Ion Ratio Lower Upper

156 100

77 136.5 64.2 192.6

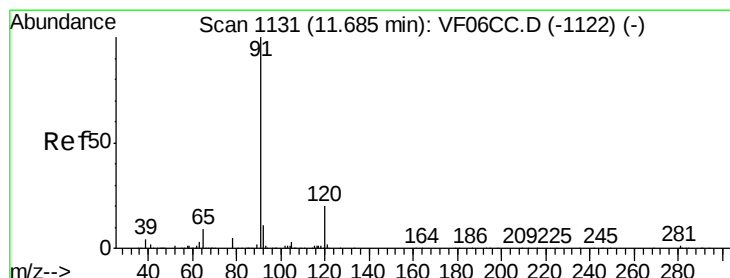
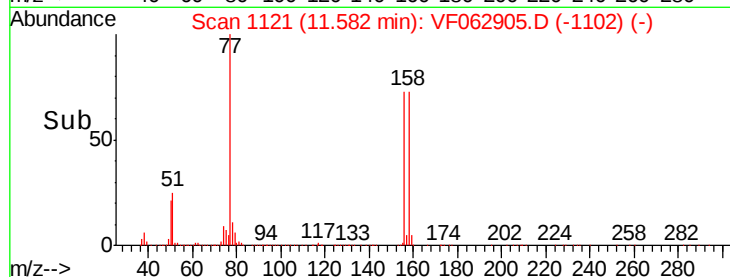
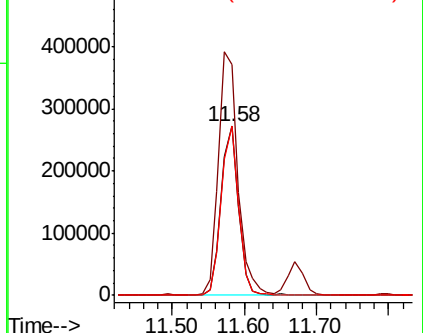
158 100.0 50.3 151.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.827 ug/l

RT: 11.67 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF062905.D

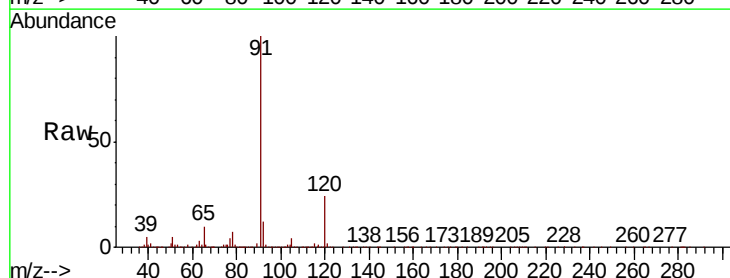
Acq: 10 Jun 2019 13:56

Tgt Ion: 91 Resp: 2140229

Ion Ratio Lower Upper

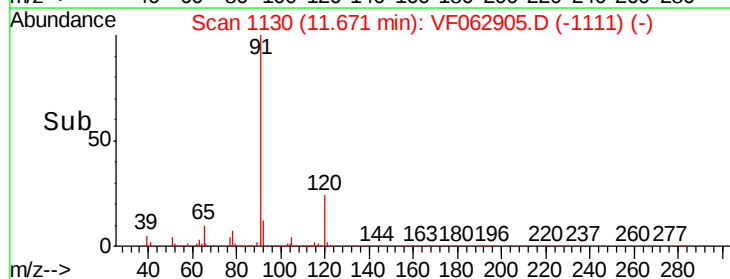
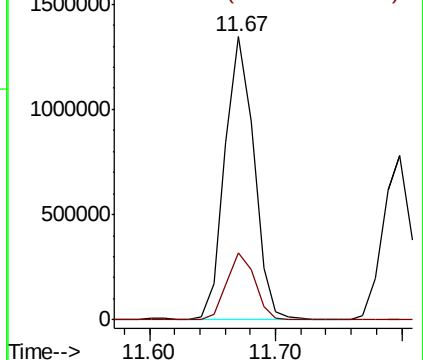
91 100

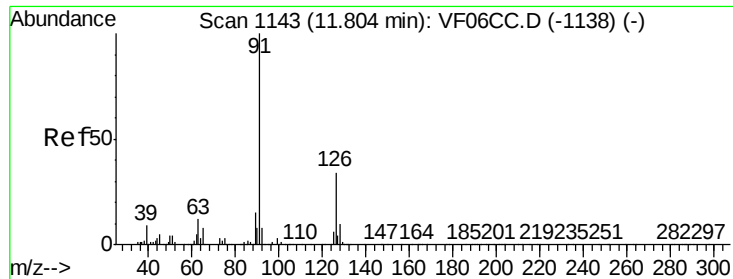
120 23.9 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

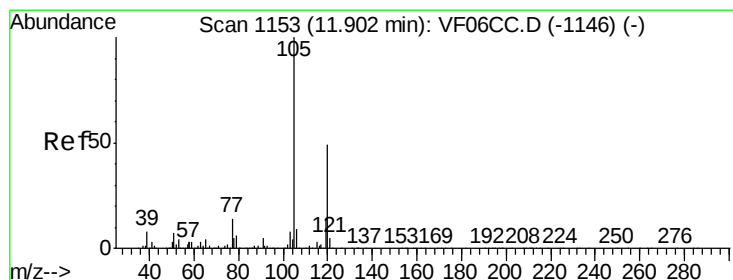
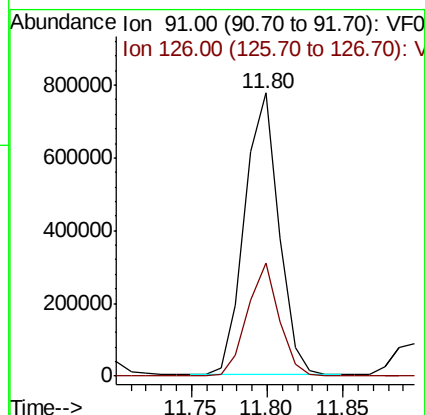
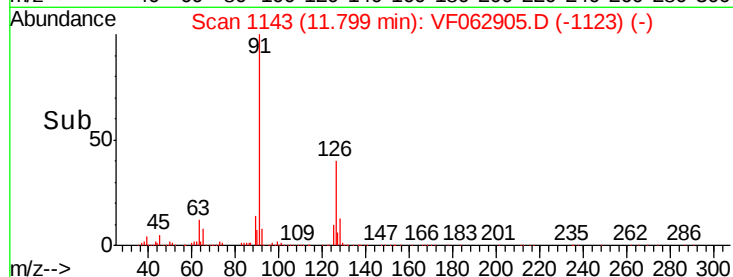
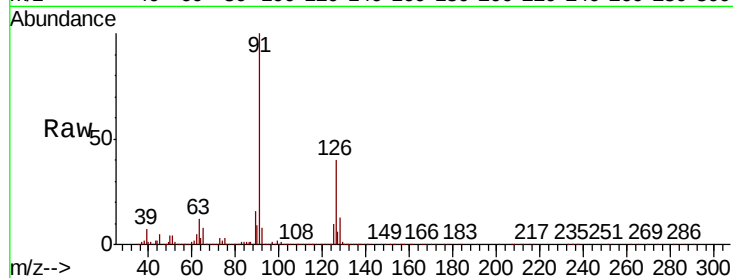




#79
2-Chlorotoluene
Concen: 50.548 ug/l
RT: 11.80 min Scan# 1143
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

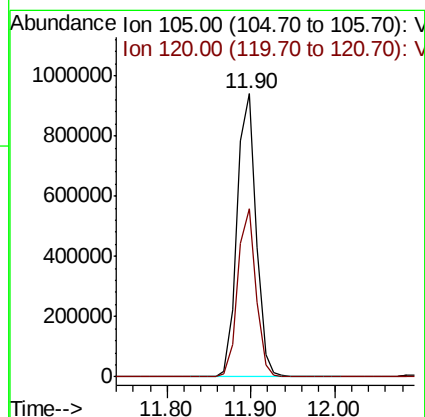
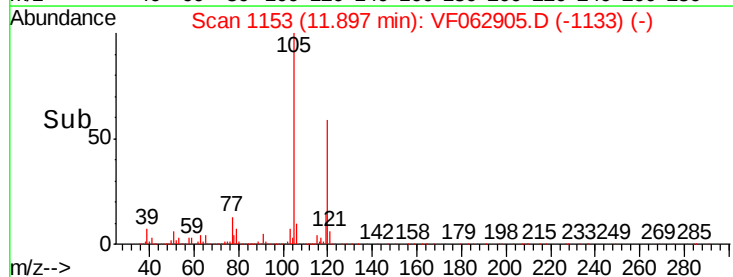
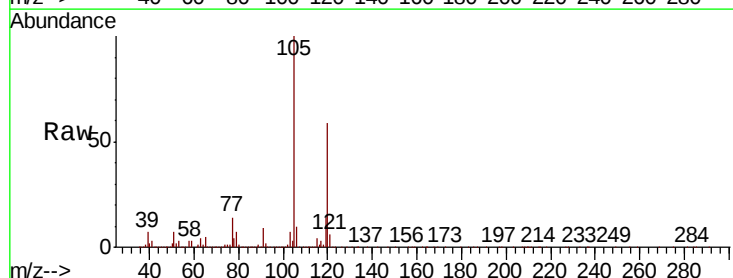
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

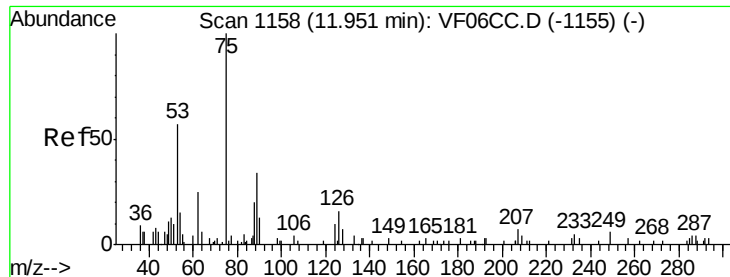
Tot Ion: 91 Resp: 1217900
Ion Ratio Lower Upper
91 100
126 40.1 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 51.758 ug/l
RT: 11.90 min Scan# 1153
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:105 Resp: 1476117
Ion Ratio Lower Upper
105 100
120 59.3 28.7 86.1





#81

trans-1,4-Dichloro-2-butene

Concen: 63.998 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

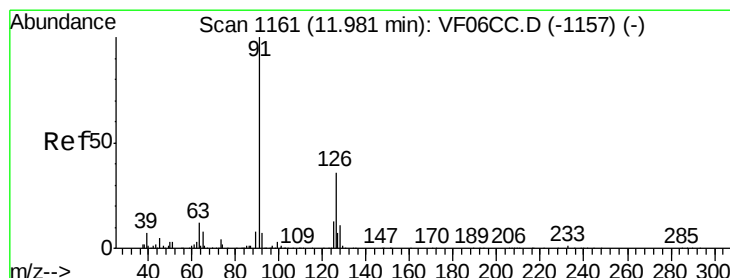
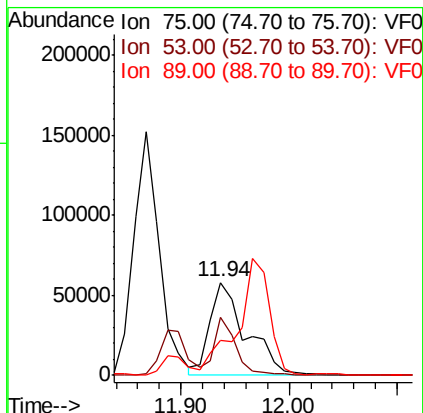
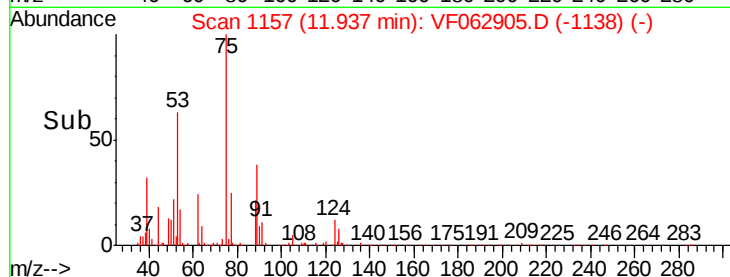
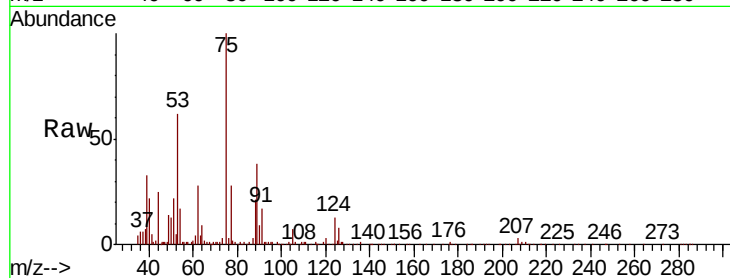
Tot Ion: 75 Resp: 133755

Ion Ratio Lower Upper

75 100

53 62.5 43.5 65.3

89 37.8 34.3 51.5



#82

4-Chlorotoluene

Concen: 50.814 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.02 min

Lab File: VF062905.D

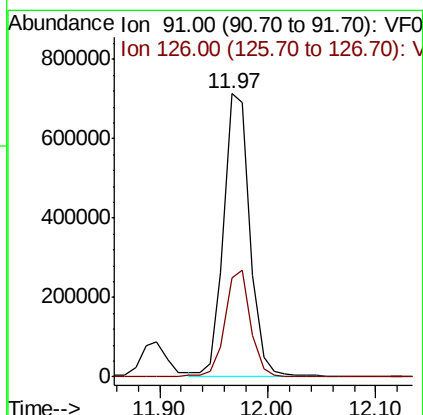
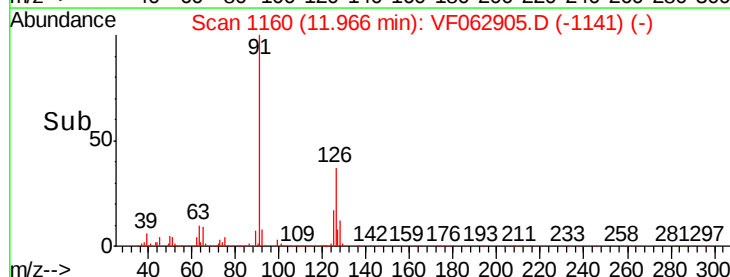
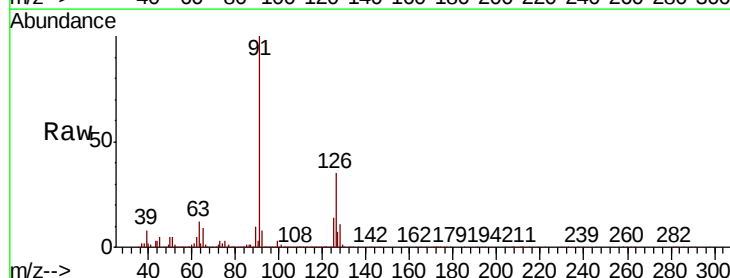
Acq: 10 Jun 2019 13:56

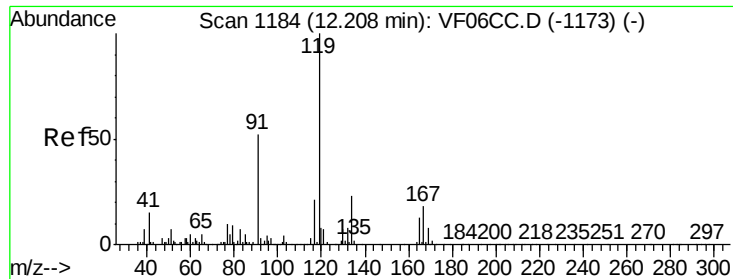
Tgt Ion: 91 Resp: 1203194

Ion Ratio Lower Upper

91 100

126 34.8 19.1 57.1

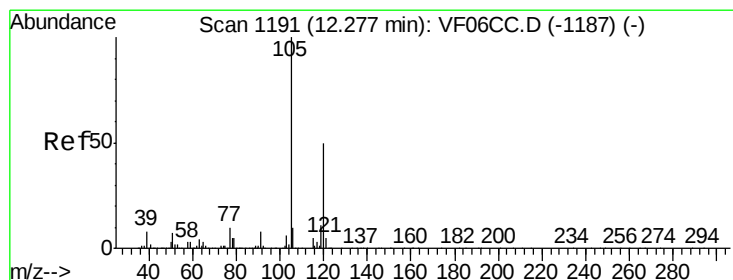
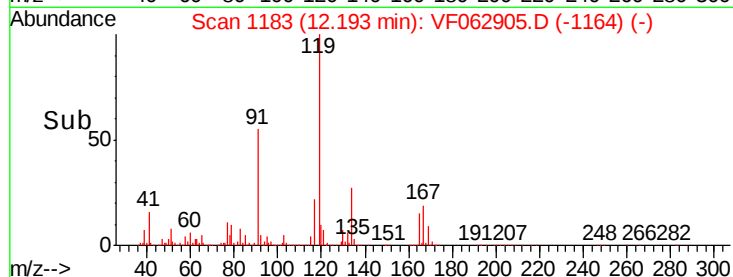
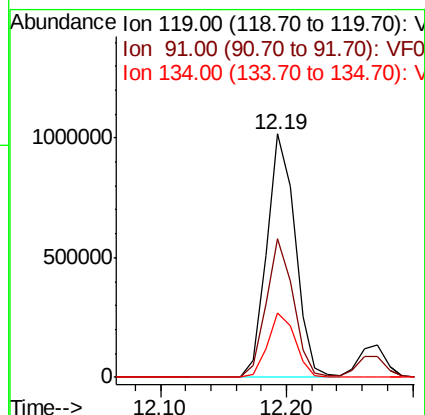
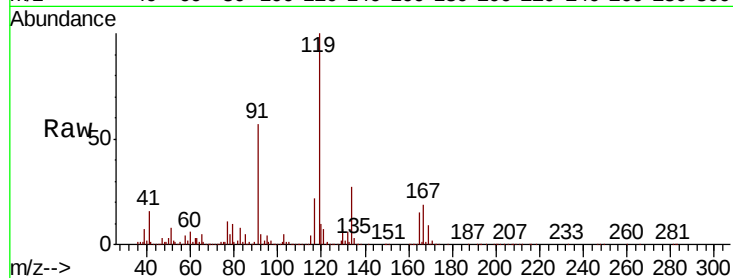




#83
tert-Butylbenzene
Concen: 56.789 ug/l
RT: 12.19 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

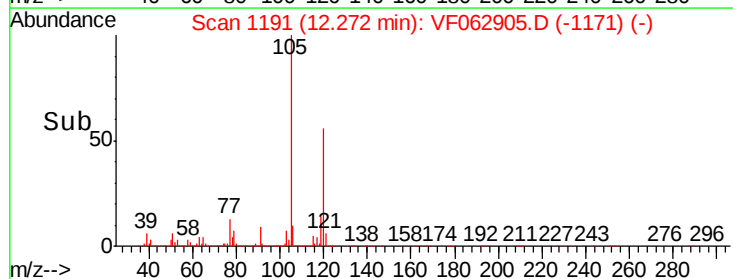
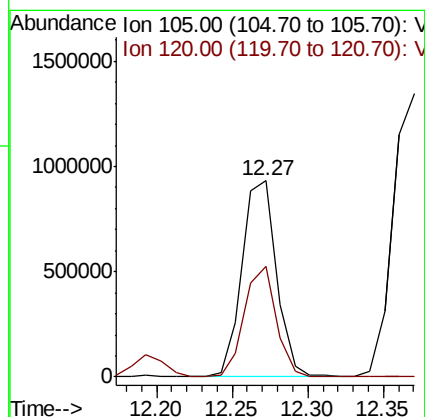
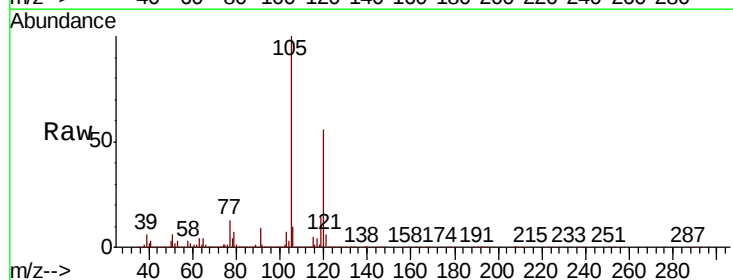
Instrument :
MSVOA_F
ClientSampled :
VSTDCCC050

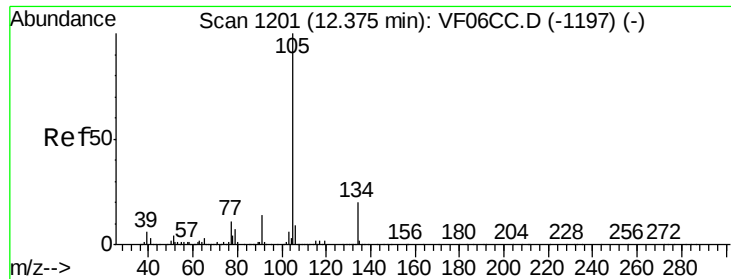
Tot Ion:119 Resp: 1604831
Ion Ratio Lower Upper
119 100
91 56.7 28.9 86.7
134 26.7 14.3 42.9



#84
1,2,4-Trimethylbenzene
Concen: 54.730 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:105 Resp: 1479925
Ion Ratio Lower Upper
105 100
120 56.1 27.1 81.3





#85

sec-Butylbenzene

Concen: 56.727 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

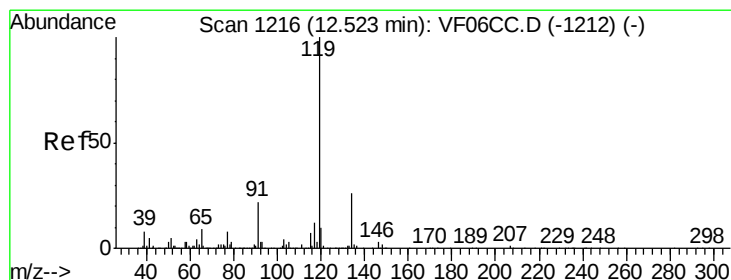
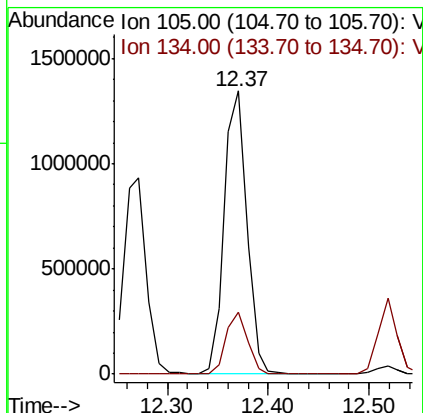
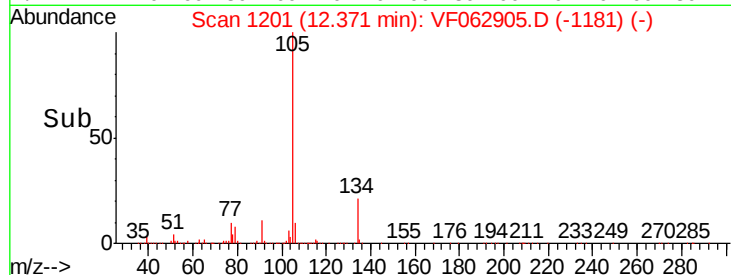
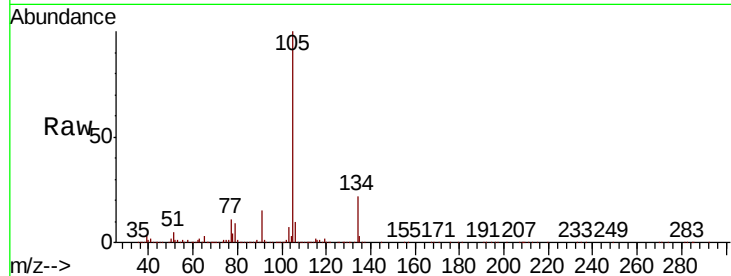
VSTDCCC050

Tot Ion:105 Resp: 2112343

Ion Ratio Lower Upper

105 100

134 22.0 10.5 31.6



#86

p-Isopropyltoluene

Concen: 54.073 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

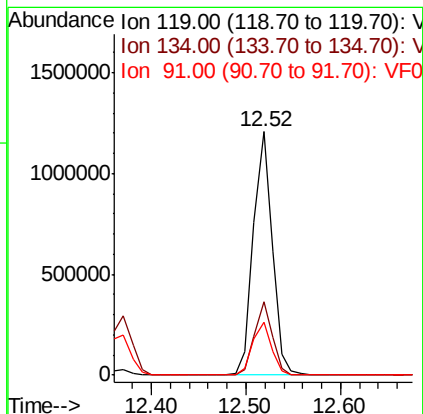
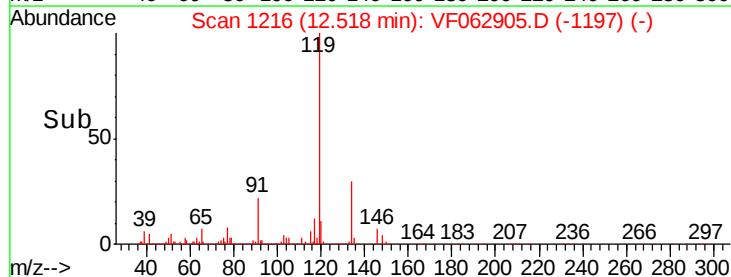
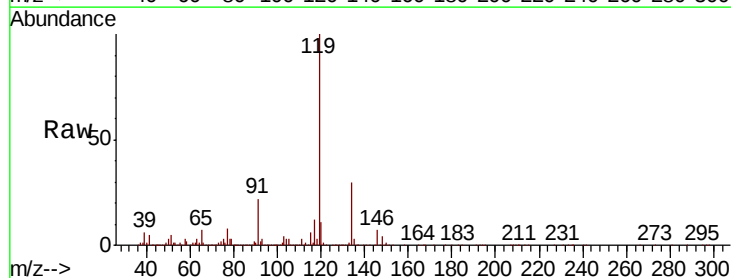
Tgt Ion:119 Resp: 1675967

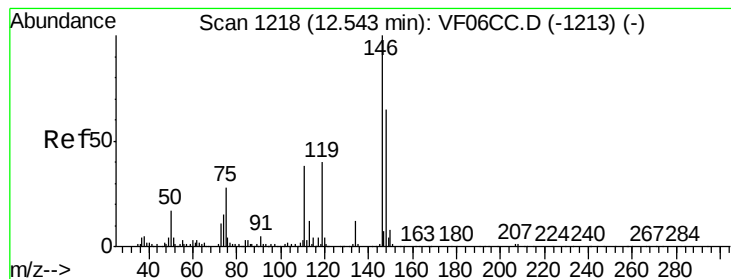
Ion Ratio Lower Upper

119 100

134 30.0 15.5 46.5

91 21.7 10.3 30.9





#87

1,3-Dichlorobenzene

Concen: 51.946 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

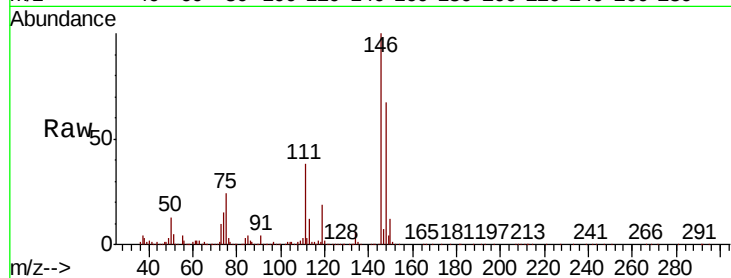
Tot Ion:146 Resp: 802749

Ion Ratio Lower Upper

146 100

111 37.6 19.6 58.8

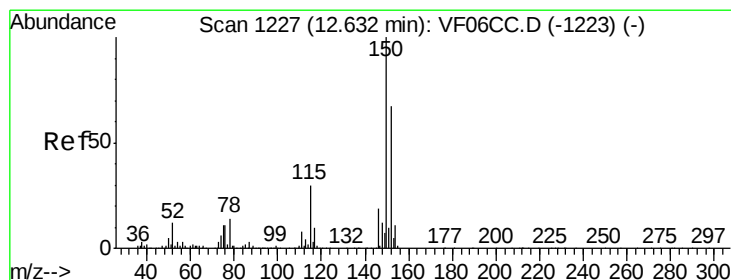
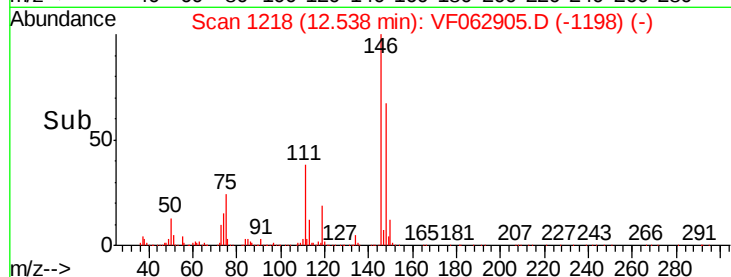
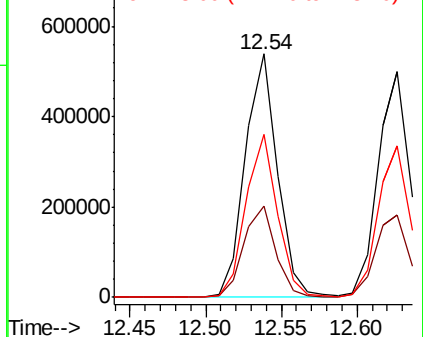
148 67.0 34.2 102.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 52.577 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

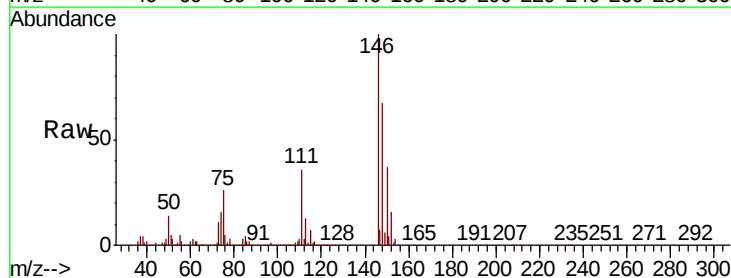
Tgt Ion:146 Resp: 758256

Ion Ratio Lower Upper

146 100

111 36.3 20.3 60.9

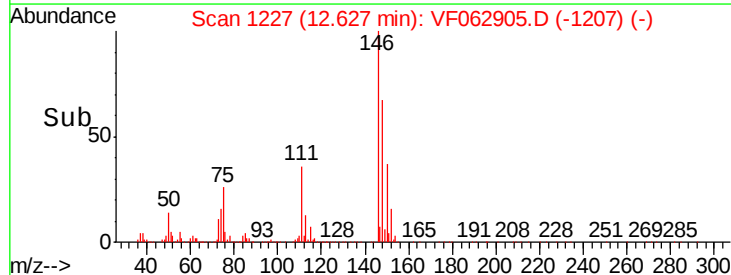
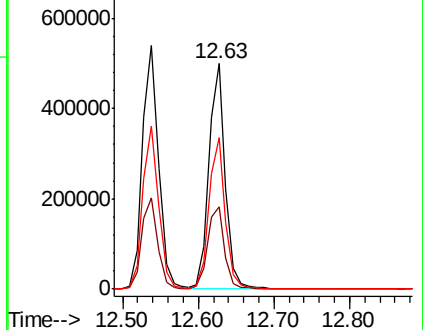
148 67.3 34.0 101.8

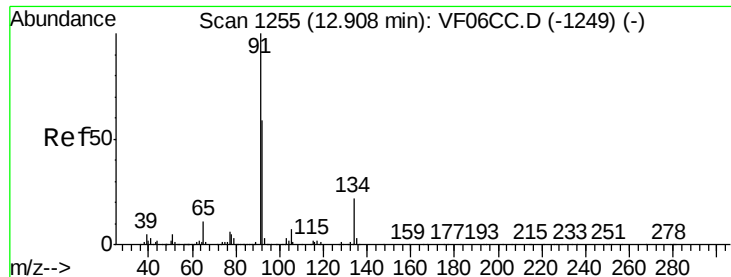


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

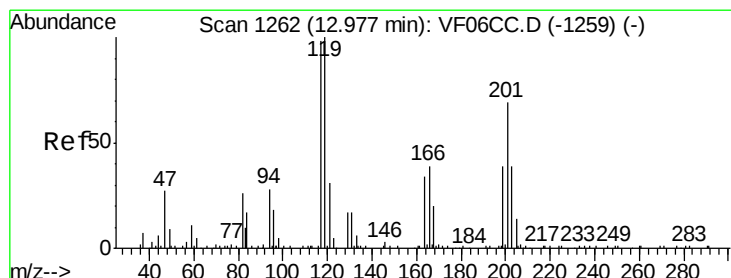
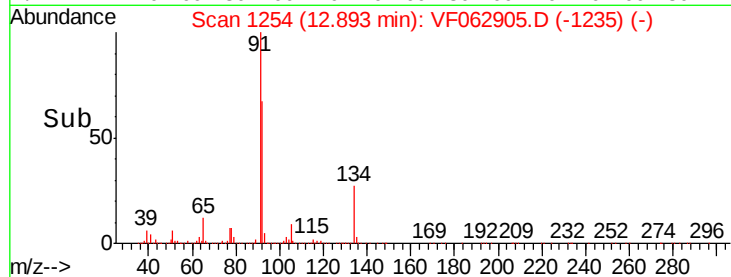
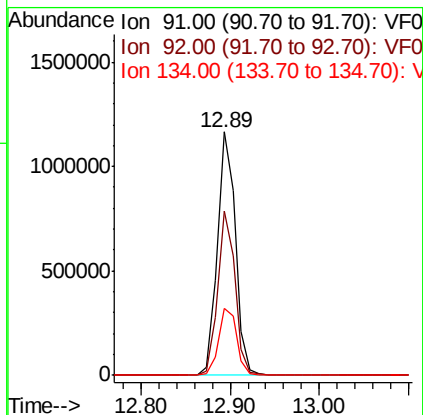
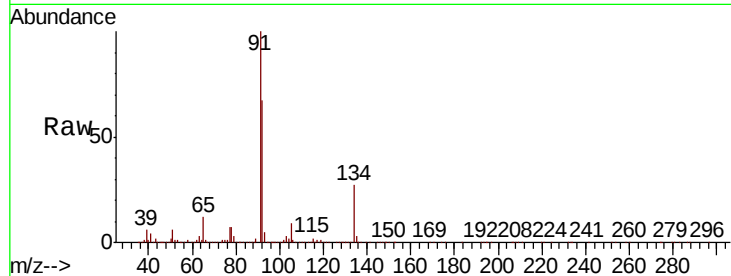




#89
n-Butylbenzene
Concen: 53.228 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

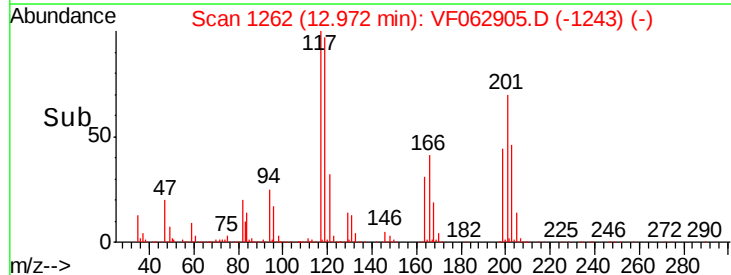
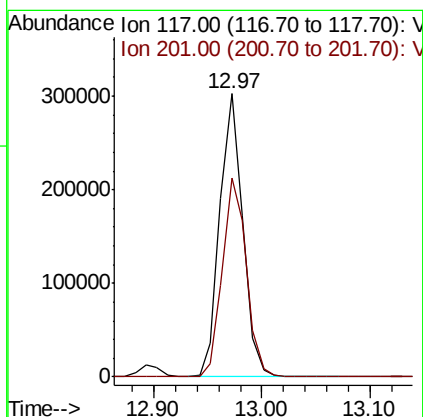
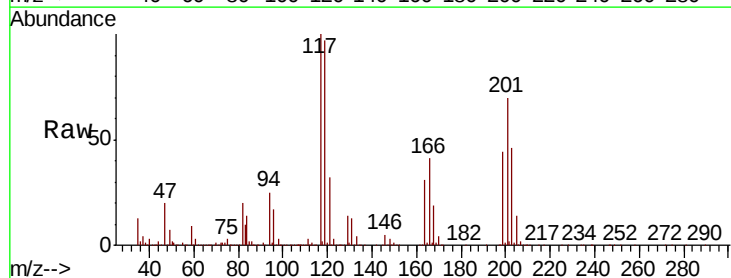
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

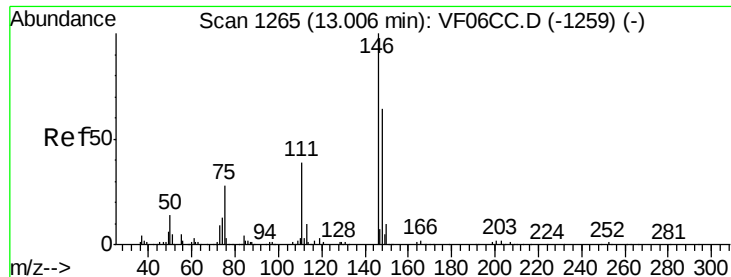
Tot Ion: 91 Resp: 1659566
Ion Ratio Lower Upper
91 100
92 67.4 34.2 102.6
134 27.3 15.8 47.3



#90
Hexachloroethane
Concen: 59.272 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion: 117 Resp: 448068
Ion Ratio Lower Upper
117 100
201 71.7 38.9 116.7





#91

1,2-Dichlorobenzene

Concen: 53.342 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

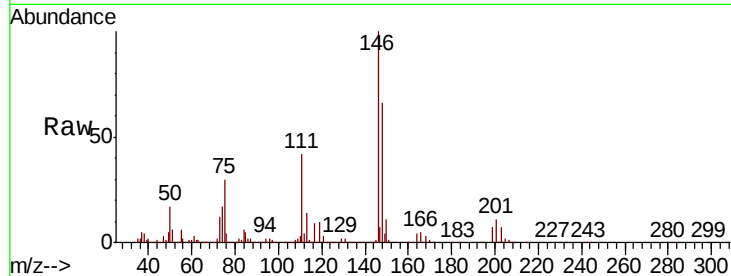
Tot Ion:146 Resp: 724531

Ion Ratio Lower Upper

146 100

111 42.0 20.4 61.3

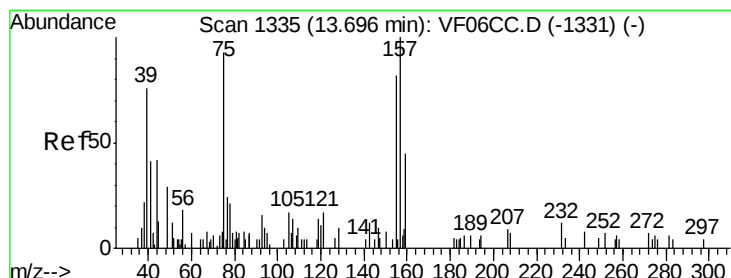
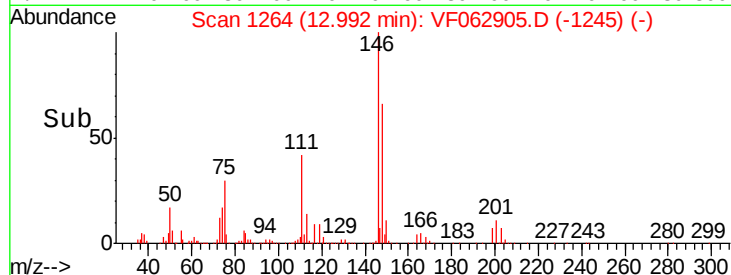
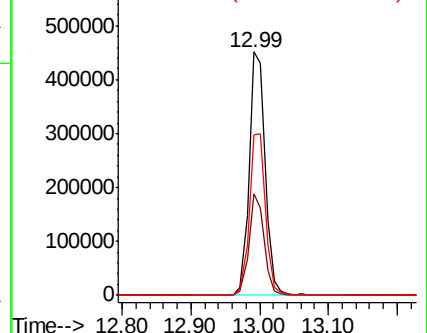
148 66.0 34.1 102.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 57.823 ug/l

RT: 13.68 min Scan# 1334

Delta R.T. -0.02 min

Lab File: VF062905.D

Acq: 10 Jun 2019 13:56

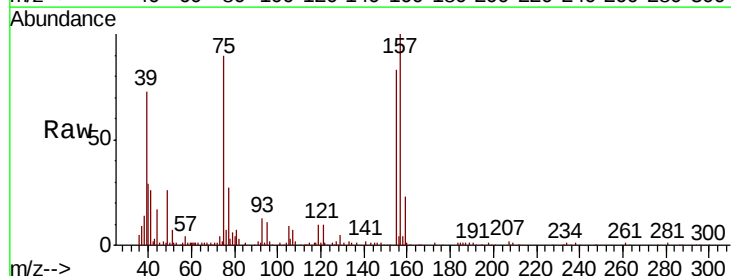
Tgt Ion: 75 Resp: 46916

Ion Ratio Lower Upper

75 100

155 92.3 51.7 155.1

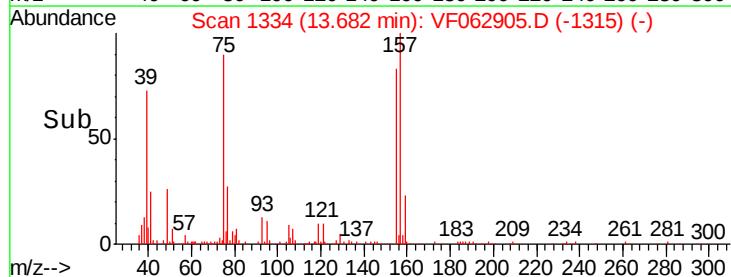
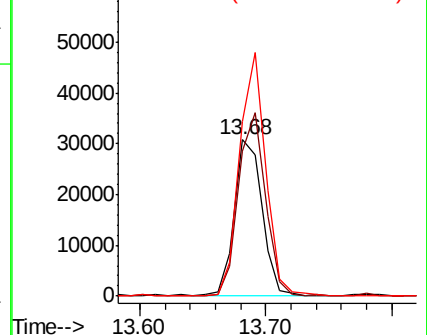
157 111.5 66.8 200.6

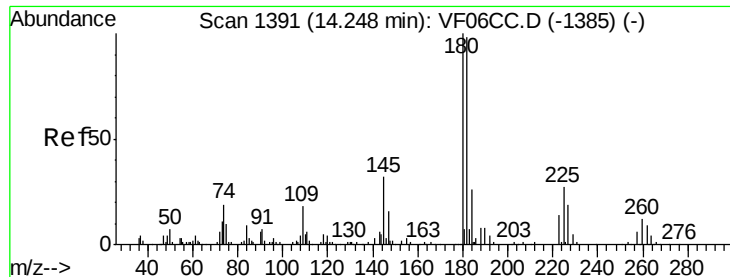


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

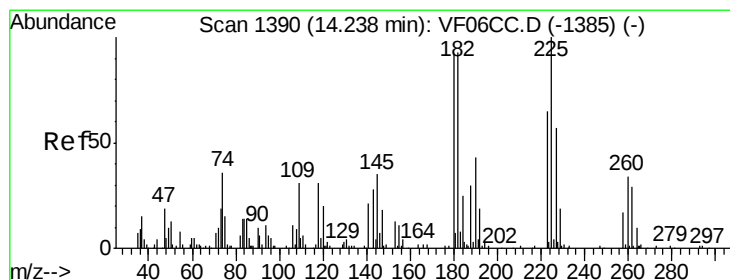
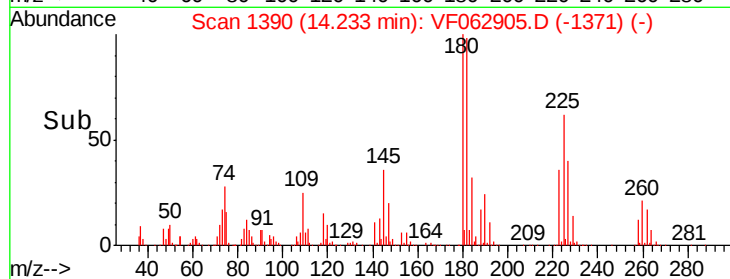
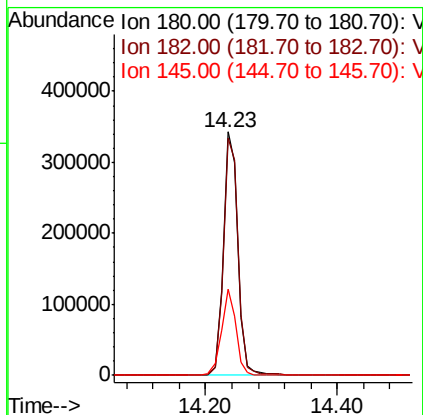
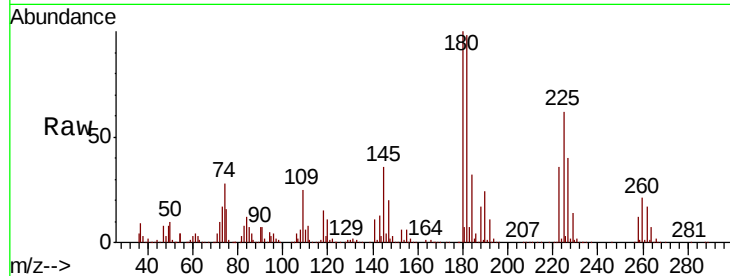




#93
 1,2,4-Trichlorobenzene
 Concen: 56.351 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

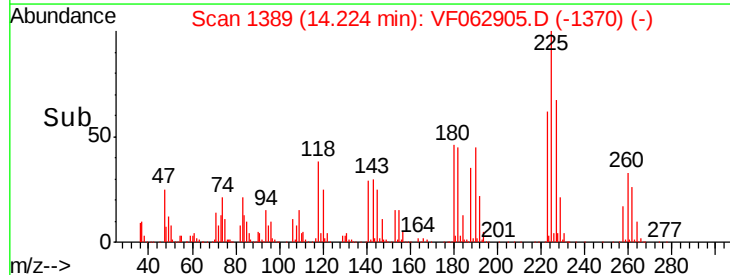
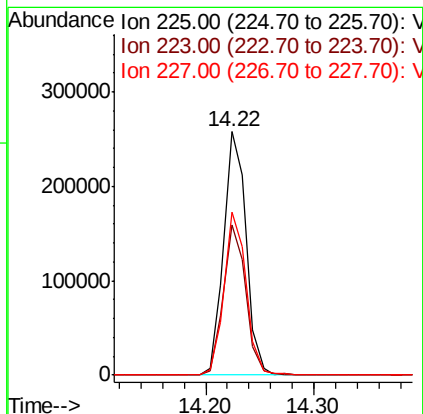
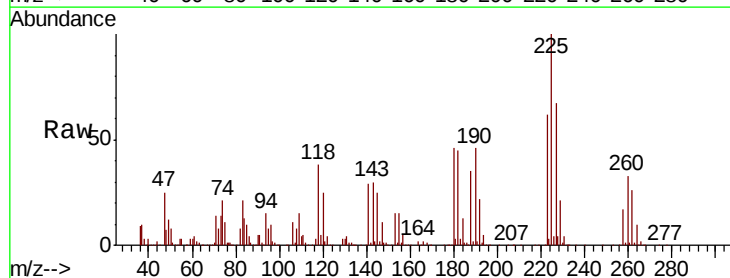
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

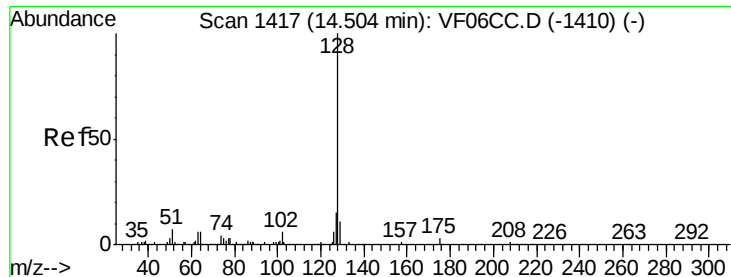
Tot Ion:180 Resp: 525535
 Ion Ratio Lower Upper
 180 100
 182 97.6 50.3 150.9
 145 35.6 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 57.771 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062905.D
 Acq: 10 Jun 2019 13:56

Tgt Ion:225 Resp: 372730
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.8 92.4
 227 67.2 31.9 95.5

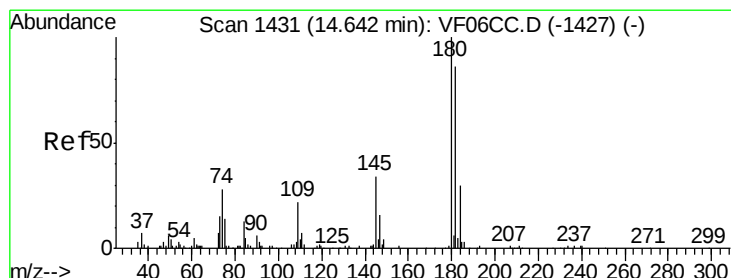
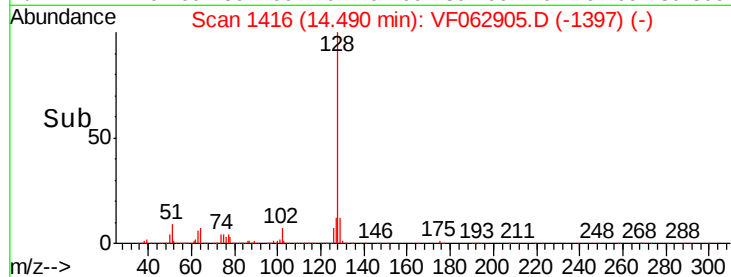
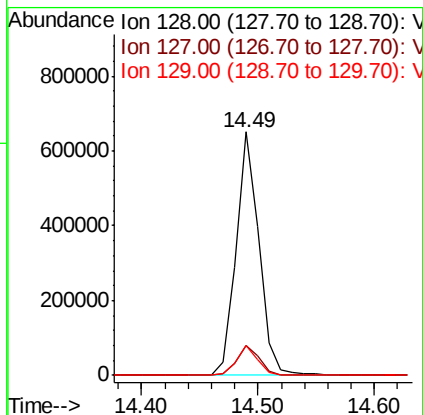
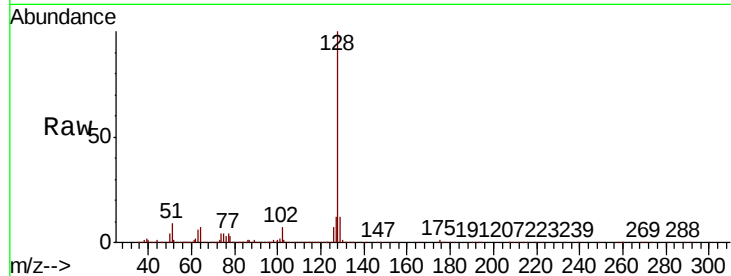




#95
Naphthalene
Concen: 57.848 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 883861
Ion Ratio Lower Upper
128 100
127 12.0 9.7 14.5
129 12.2 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 57.514 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VF062905.D
Acq: 10 Jun 2019 13:56

Tgt Ion:180 Resp: 489626
Ion Ratio Lower Upper
180 100
182 97.9 48.6 145.9
145 29.9 15.7 47.0

