

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022219\
 Data File : VF061704.D
 Acq On : 22 Feb 2019 12:36
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 23 01:35:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	375508	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	545514	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.75	117	466425	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	252688	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	140726	51.11	ug/l	-0.04
Spiked Amount						
			Recovery	=	102.22%	
35) Dibromofluoromethane	4.09	113	208055	51.36	ug/l	-0.03
Spiked Amount						
			Recovery	=	102.72%	
50) Toluene-d8	7.53	98	603996	51.87	ug/l	-0.03
Spiked Amount						
			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.40	95	230125	48.84	ug/l	-0.02
Spiked Amount						
			Recovery	=	97.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	195671	45.375	ug/l	98
3) Chloromethane	1.09	50	206683	45.680	ug/l	100
4) Vinyl Chloride	1.13	62	200849	47.751	ug/l	100
5) Bromomethane	1.33	94	141172	48.767	ug/l	97
6) Chloroethane	1.38	64	99658	48.078	ug/l	99
7) Trichlorofluoromethane	1.48	101	254627	50.191	ug/l	96
8) Diethyl Ether	1.63	74	57476	44.956	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.82	101	175269	47.890	ug/l	91
10) Methyl Iodide	1.89	142	258968	37.043	ug/l	97
11) Tert butyl alcohol	2.56	59	36244	227.429	ug/l #	90
12) 1,1-Dichloroethene	1.78	96	160130	49.765	ug/l	94
13) Acrolein	1.99	56	45746	228.396	ug/l	93
14) Allyl chloride	2.09	41	187226	47.417	ug/l	98
15) Acrylonitrile	2.93	53	108664	192.234	ug/l	94
16) Acetone	2.23	43	149489	253.023	ug/l	95
17) Carbon Disulfide	1.82	76	475076	46.970	ug/l	97
18) Methyl Acetate	2.33	43	57299	43.051	ug/l	99
19) Methyl tert-butyl Ether	2.41	73	251880	45.803	ug/l	98
20) Methylene Chloride	2.17	84	62584	18.163	ug/l	93
21) trans-1,2-Dichloroethene	2.30	96	161535	46.180	ug/l	97
22) Diisopropyl ether	2.79	45	461630	48.705	ug/l	97
23) Vinyl Acetate	3.17	43	989686	213.784	ug/l	98
24) 1,1-Dichloroethane	2.86	63	280616	48.924	ug/l	100
25) 2-Butanone	4.31	43	292005	226.270	ug/l	96
26) 2,2-Dichloropropane	3.58	77	134034	55.168	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	222945	48.558	ug/l	95
28) Bromochloromethane	3.70	49	132639	48.195	ug/l	98
29) Tetrahydrofuran	4.05	42	120317	205.126	ug/l	95
30) Chloroform	3.84	83	315804	48.414	ug/l	97
31) Cyclohexane	3.68	56	302807	48.767	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	234535	54.889	ug/l	94
36) 1,1-Dichloropropene	4.26	75	271199	50.185	ug/l	95
37) Ethyl Acetate	4.09	43	102605	40.878	ug/l #	80
38) Carbon Tetrachloride	3.97	117	201011	53.869	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	341398	53.418	ug/l	97
40) Benzene	4.61	78	681134	48.188	ug/l	100
41) Methacrylonitrile	4.72	41	60825	47.385	ug/l	94
42) 1,2-Dichloroethane	4.92	62	172048	50.884	ug/l	95
43) Isopropyl Acetate	6.94	43	126369	42.533	ug/l #	100
44) Trichloroethene	5.48	130	230494	50.426	ug/l	95
45) 1,2-Dichloropropane	6.21	63	166124	48.621	ug/l	98
46) Dibromomethane	6.06	93	96828	46.028	ug/l	93
47) Bromodichloromethane	6.37	83	224347	48.699	ug/l	98
48) Methyl methacrylate	6.69	41	76471	42.770	ug/l	95
49) 1,4-Dioxane	6.68	88	13219	786.483	ug/l	99
51) 4-Methyl-2-Pentanone	8.24	43	427309	201.283	ug/l	95
52) Toluene	7.60	92	412226	48.086	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	180189	46.997	ug/l	98
54) cis-1,3-Dichloropropene	7.29	75	263623	51.620	ug/l	97
55) 1,1,2-Trichloroethane	8.47	97	118845	47.185	ug/l	96
56) Ethyl methacrylate	8.60	69	132747	47.338	ug/l	99
57) 1,3-Dichloropropane	8.83	76	191944	45.657	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.28	63	94018	194.319	ug/l	97
59) 2-Hexanone	9.47	43	304306	204.491	ug/l	98
60) Dibromochloromethane	8.70	129	168282	48.002	ug/l	96
61) 1,2-Dibromoethane	8.96	107	129792	47.510	ug/l	97
64) Tetrachloroethene	8.13	164	195116	51.178	ug/l	98
65) Chlorobenzene	9.78	112	473713	50.050	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.91	131	189066	50.978	ug/l	98
67) Ethyl Benzene	9.88	91	798680	50.742	ug/l	97
68) m/p-Xylenes	10.12	106	600389	99.668	ug/l	94
69) o-Xylene	10.70	106	331789	51.618	ug/l	96
70) Styrene	10.78	104	465423	51.183	ug/l	97
71) Bromoform	10.76	173	94659	47.002	ug/l	97
73) Isopropylbenzene	11.11	105	918532	51.055	ug/l	95
74) N-amyl acetate	11.36	43	194887	45.131	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	142228	44.127	ug/l	94
76) 1,2,3-Trichloropropane	11.78	75	99226	45.280	ug/l	99
77) Bromobenzene	11.48	156	225339	50.700	ug/l	90
78) n-propylbenzene	11.57	91	1027015	49.746	ug/l	98
79) 2-Chlorotoluene	11.70	91	579675	50.135	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	723128	50.290	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	62113	59.123	ug/l	95
82) 4-Chlorotoluene	11.88	91	601062	50.084	ug/l	94
83) tert-Butylbenzene	12.12	119	782018	49.102	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	726909	50.885	ug/l	98
85) sec-Butylbenzene	12.29	105	1051028	51.032	ug/l	97
86) p-Isopropyltoluene	12.44	119	886921	51.313	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	423575	48.885	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	418750	50.252	ug/l	97
89) n-Butylbenzene	12.83	91	822500	50.394	ug/l	96
90) Hexachloroethane	12.91	117	217545	54.117	ug/l	99
91) 1,2-Dichlorobenzene	12.93	146	386410	46.886	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	21620	42.308	ug/l	81

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QLast Update : Thu Feb 14 03:27:56 2019
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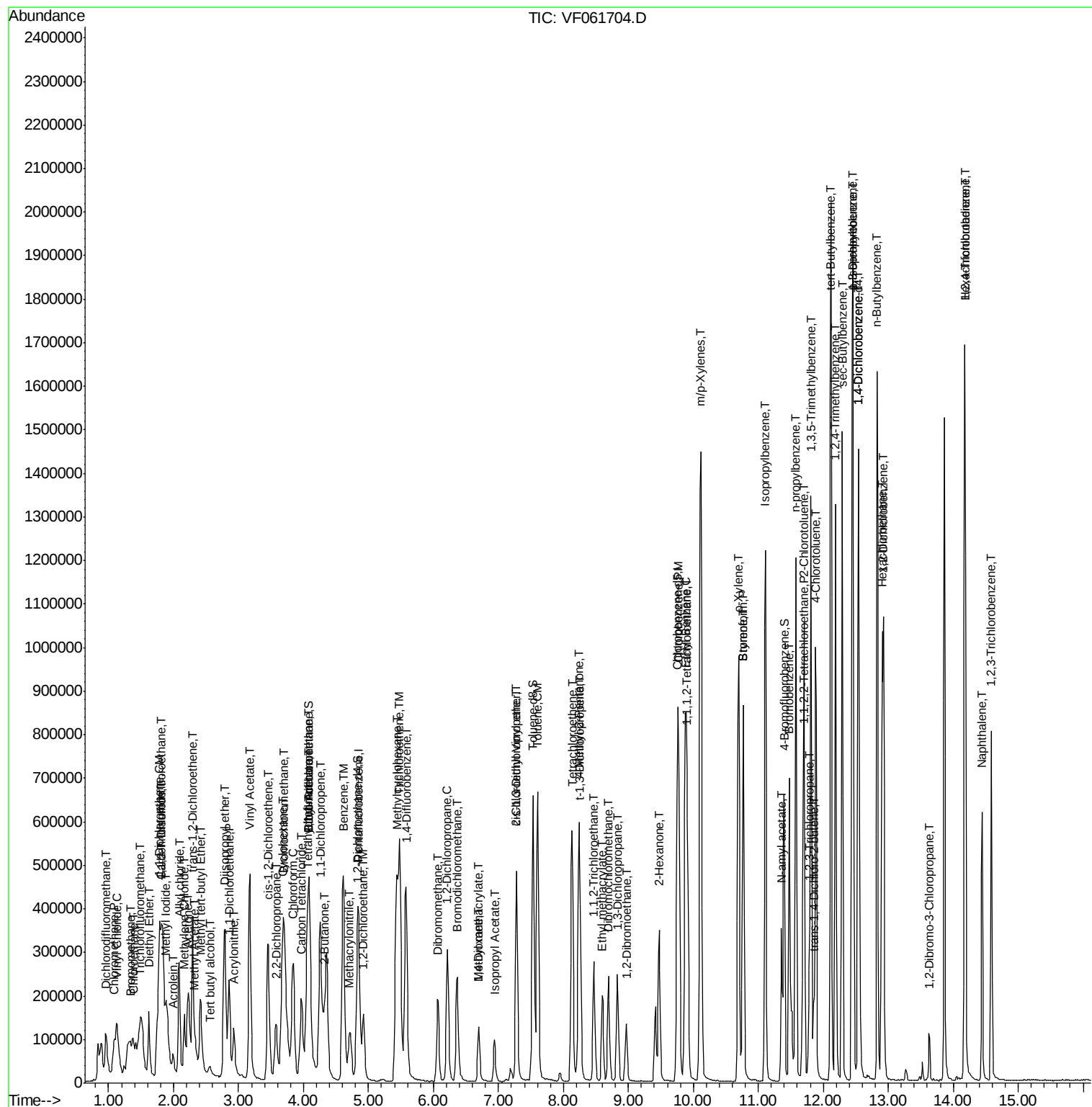
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	274283	46.431	ug/l	99
94) Hexachlorobutadiene	14.18	225	189472	51.934	ug/l	96
95) Naphthalene	14.44	128	471150	45.585	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	263236	48.549	ug/l	98

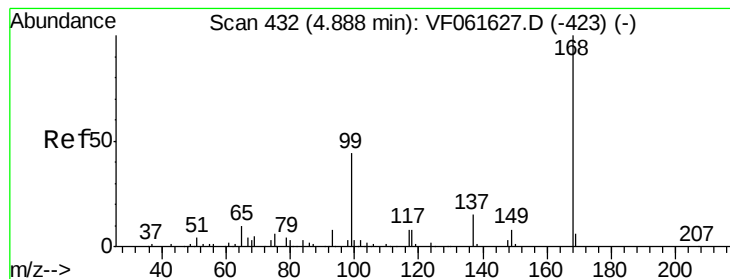
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

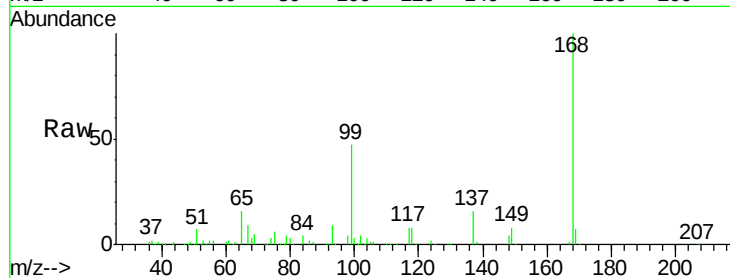
VSTDCCC050

Tot Ion:168 Resp: 375508

Ion Ratio Lower Upper

168 100

99 47.3 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

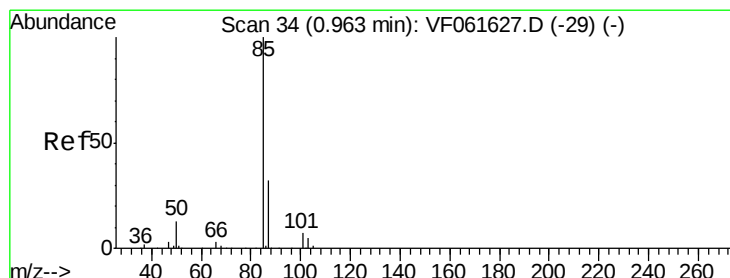
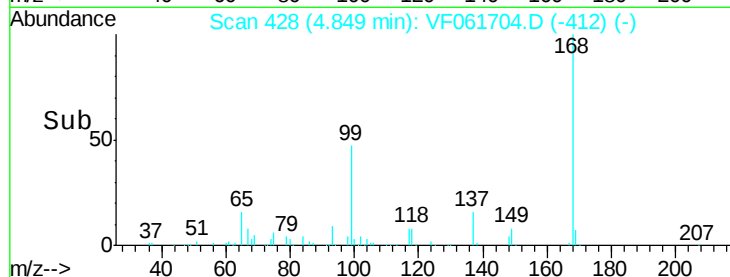
100000

50000

0

Time-->

4.80 5.00



#2

Dichlorodifluoromethane

Concen: 45.375 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061704.D

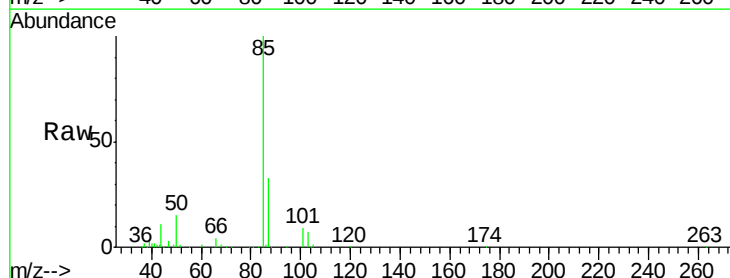
Acq: 22 Feb 2019 12:36

Tgt Ion: 85 Resp: 195671

Ion Ratio Lower Upper

85 100

87 33.2 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

60000

50000

40000

30000

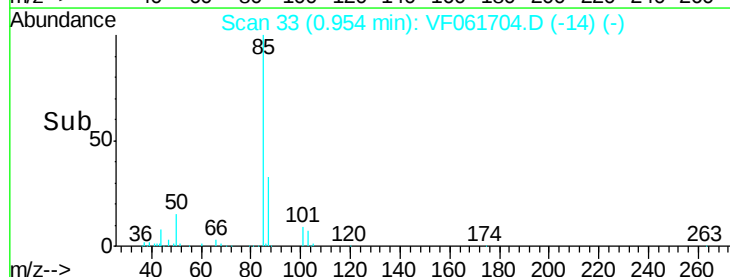
20000

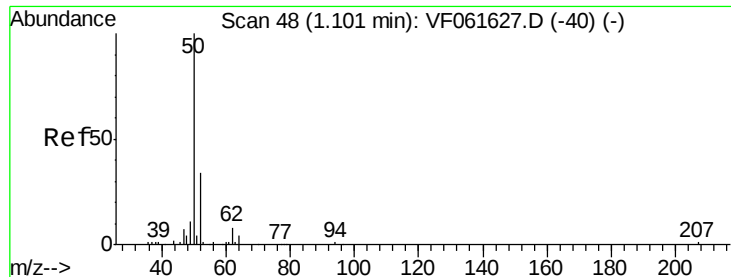
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 45.680 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

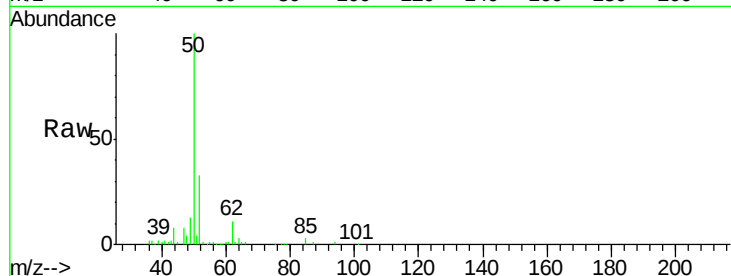
VSTDCCC050

Tot Ion: 50 Resp: 206683

Ion Ratio Lower Upper

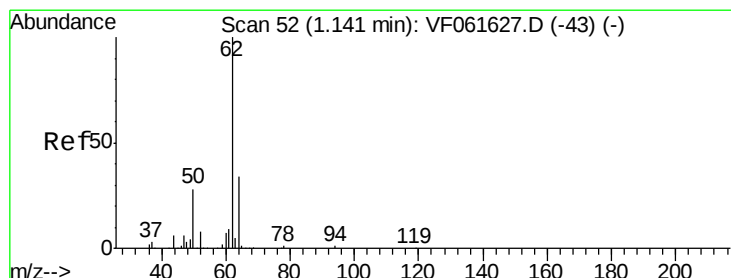
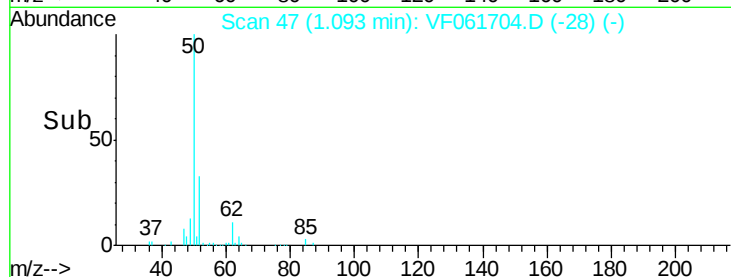
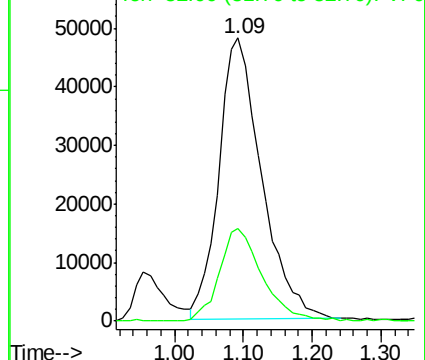
50 100

52 32.8 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 47.751 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061704.D

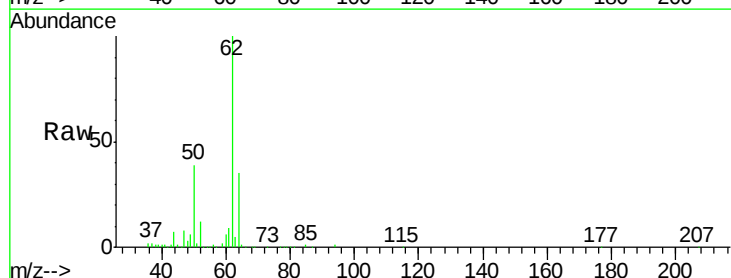
Acq: 22 Feb 2019 12:36

Tgt Ion: 62 Resp: 200849

Ion Ratio Lower Upper

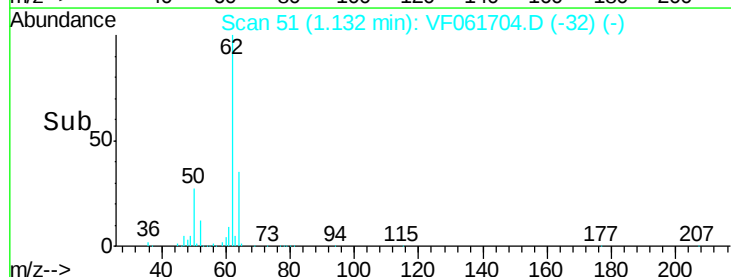
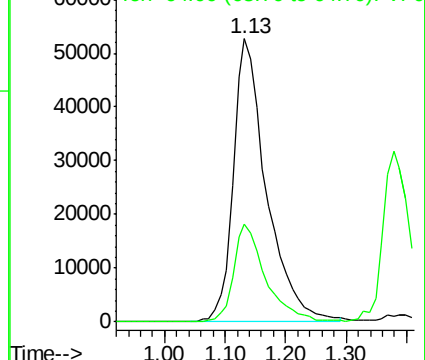
62 100

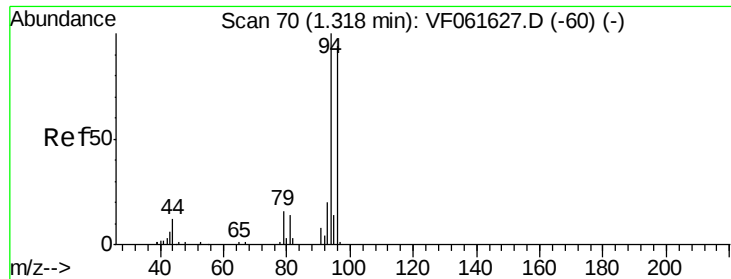
64 34.6 27.5 41.3



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 48.767 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.01 min

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Acq: 22 Feb 2019 12:36

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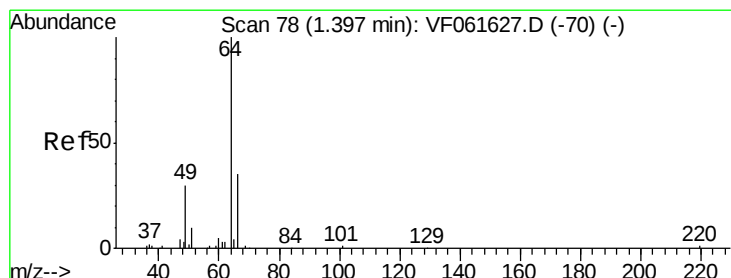
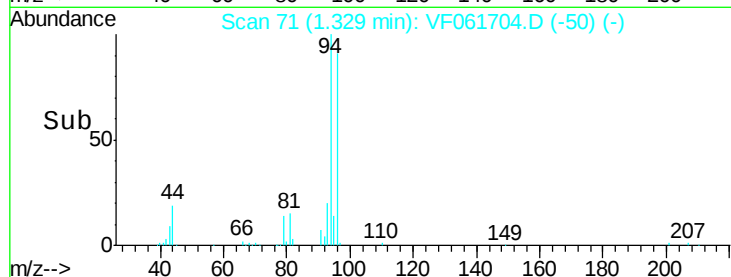
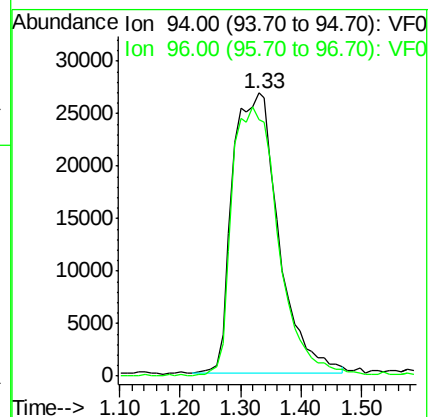
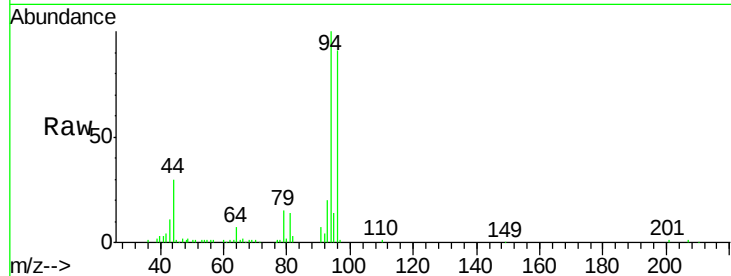
VSTDCCC050

Tot Ion: 94 Resp: 141172

Ion Ratio Lower Upper

94 100

96 90.5 74.6 112.0



#6

Chloroethane

Concen: 48.078 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.02 min

Lab File: VF061704.D

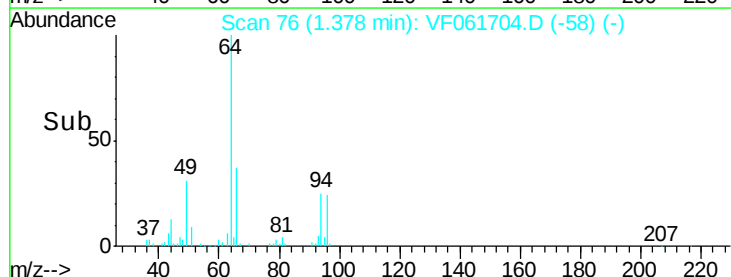
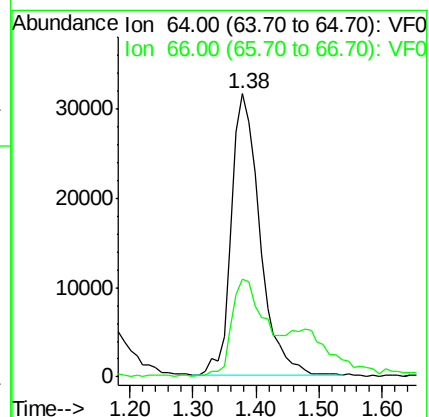
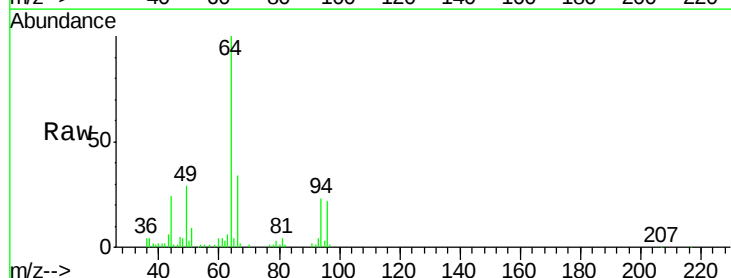
Acq: 22 Feb 2019 12:36

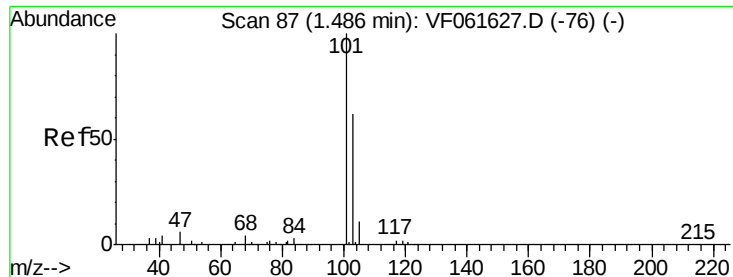
Tgt Ion: 64 Resp: 99658

Ion Ratio Lower Upper

64 100

66 34.3 27.9 41.9





#7

Trichlorofluoromethane

Concen: 50.191 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

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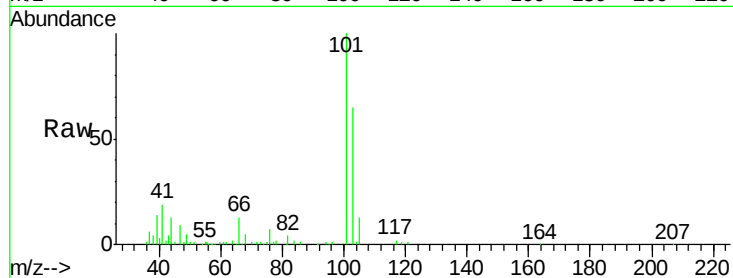
VSTDCCC050

Tot Ion:101 Resp: 254627

Ion Ratio Lower Upper

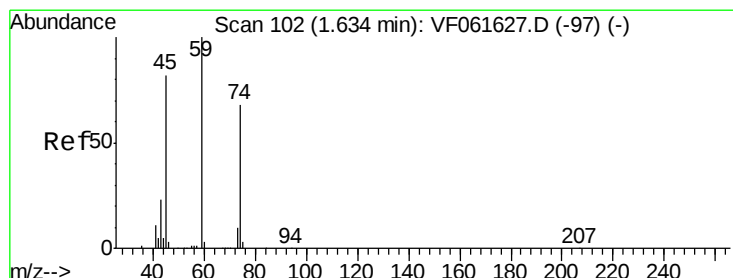
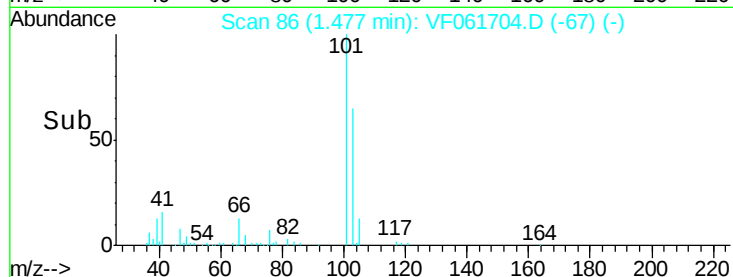
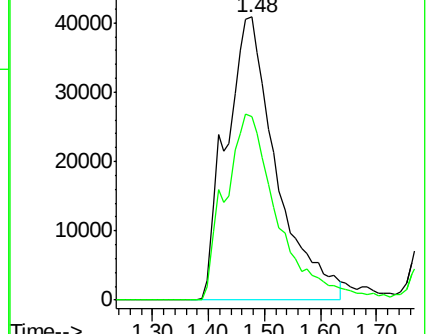
101 100

103 64.9 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 44.956 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061704.D

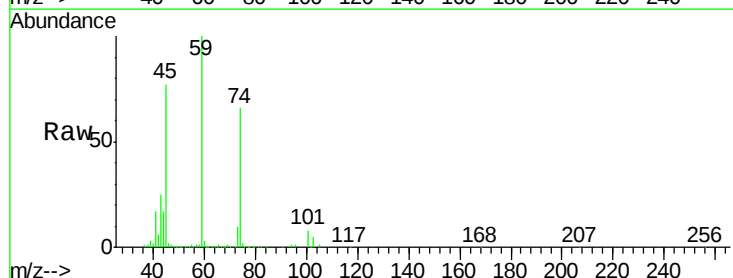
Acq: 22 Feb 2019 12:36

Tgt Ion: 74 Resp: 57476

Ion Ratio Lower Upper

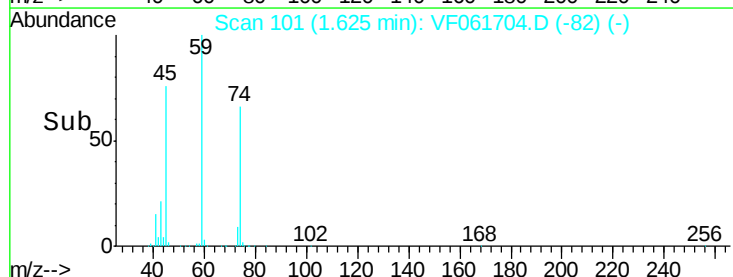
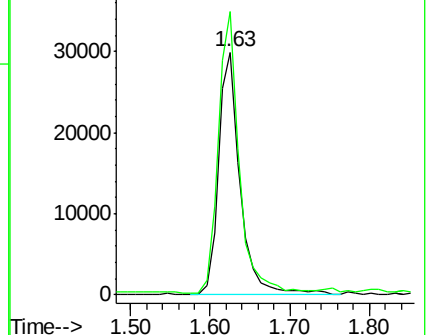
74 100

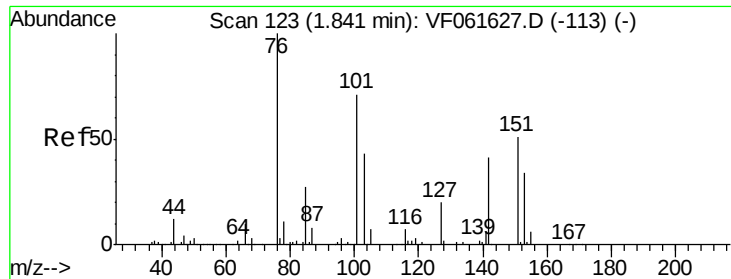
45 116.7 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.890 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.02 min

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VSTDCCC050

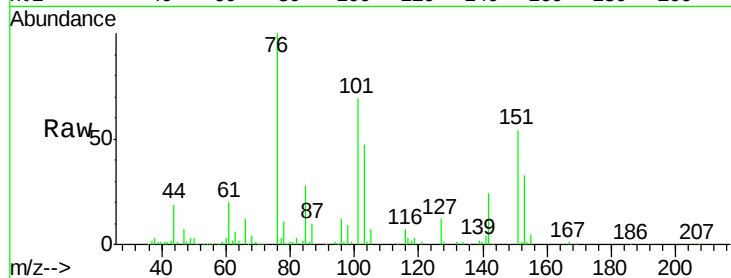
Tot Ion:101 Resp: 175269

Ion Ratio Lower Upper

101 100

85 40.7 29.8 44.6

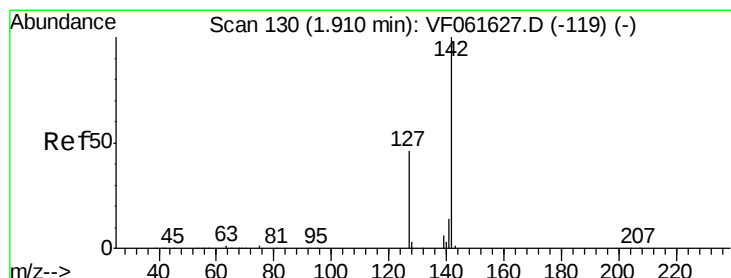
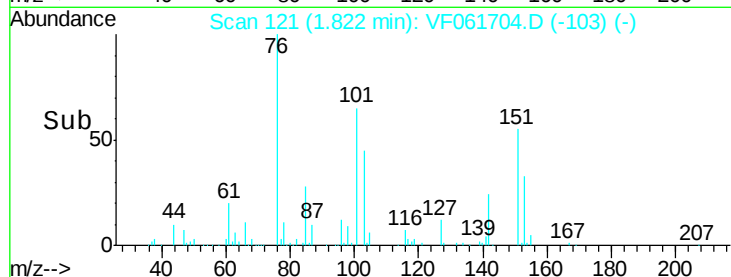
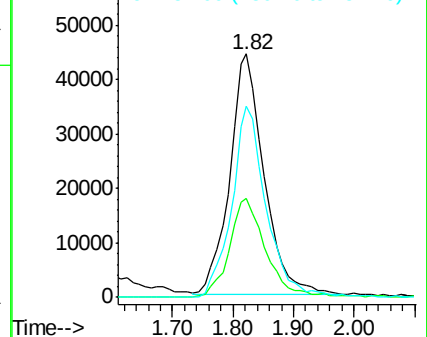
151 78.7 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 37.043 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

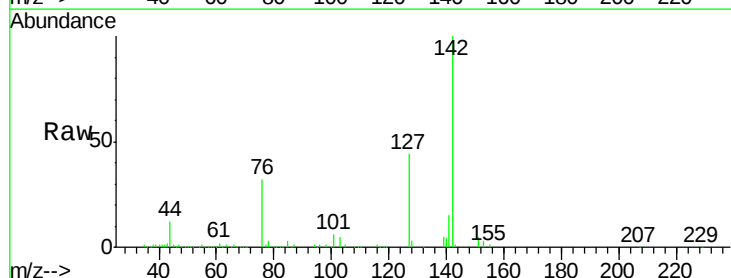
Tgt Ion:142 Resp: 258968

Ion Ratio Lower Upper

142 100

127 44.1 36.6 55.0

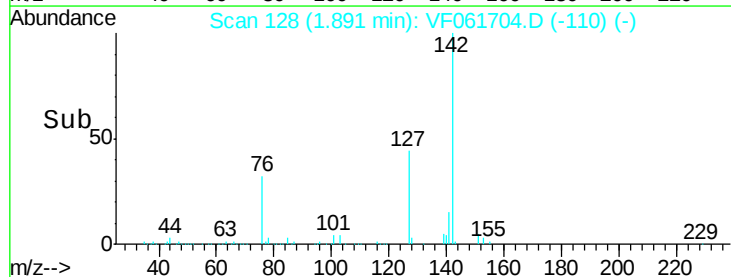
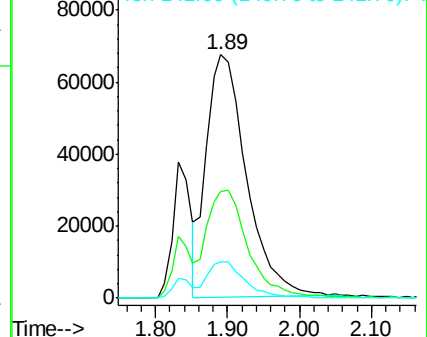
141 14.7 11.0 16.6

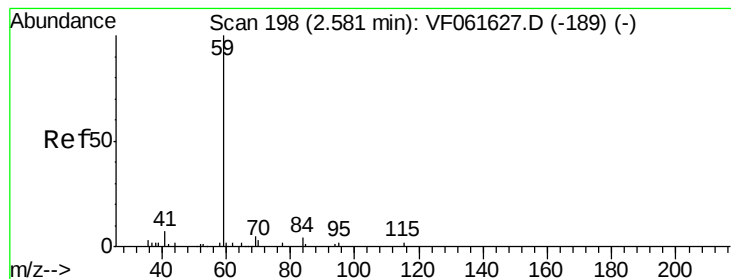


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



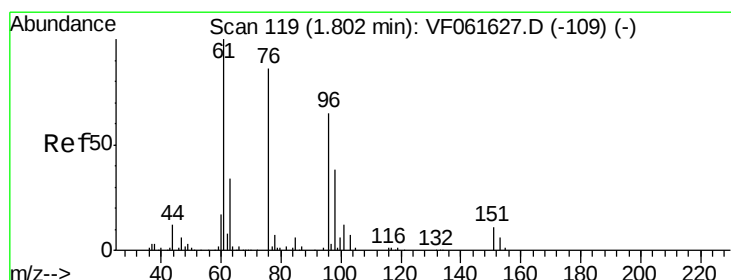
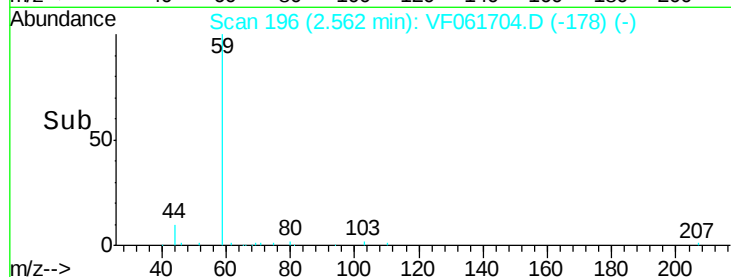
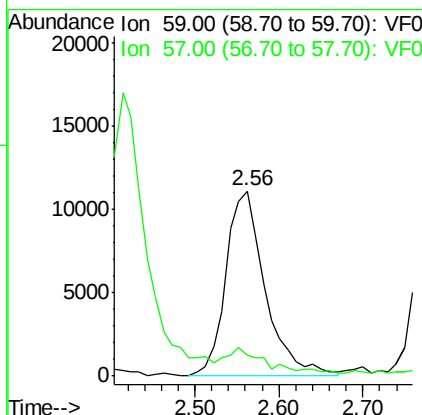
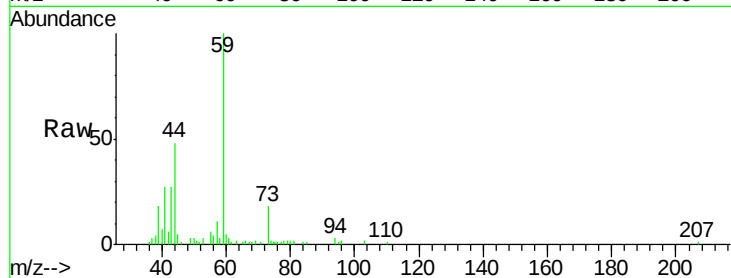


#11

Tert butyl alcohol
Concen: 227.429 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

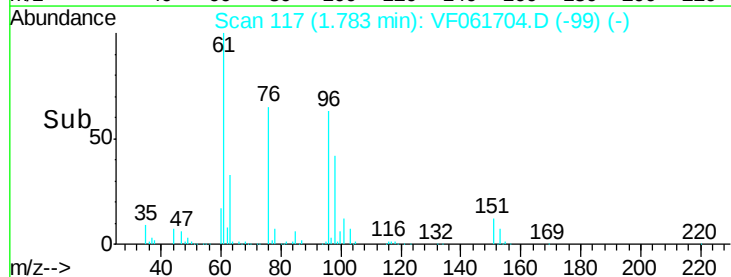
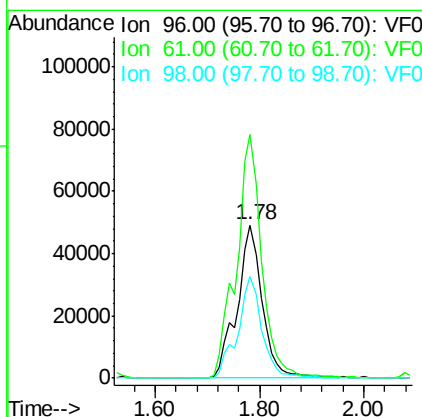
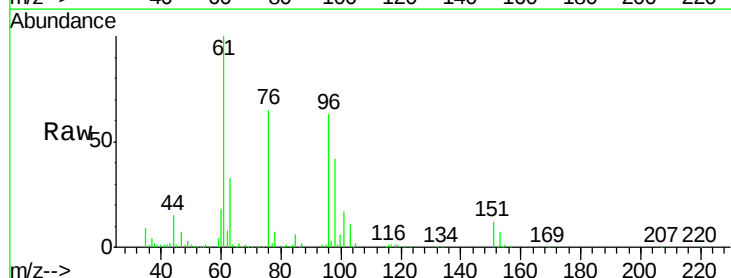
Tot Ion: 59 Resp: 36244
Ion Ratio Lower Upper
59 100
57 11.4 12.5 18.7#

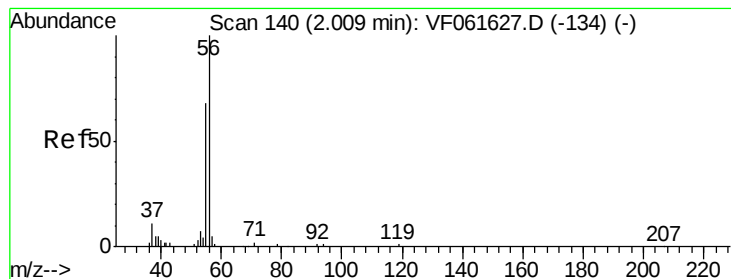


#12

1,1-Dichloroethene
Concen: 49.765 ug/l
RT: 1.78 min Scan# 117
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion: 96 Resp: 160130
Ion Ratio Lower Upper
96 100
61 159.0 122.6 184.0
98 66.2 47.2 70.8





#13

Acrolein

Concen: 228.396 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

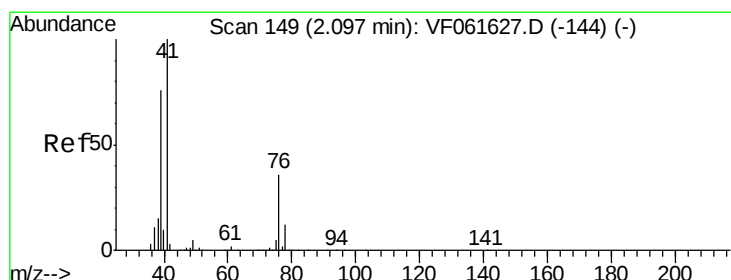
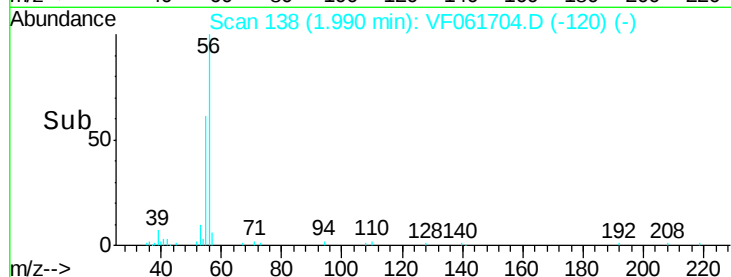
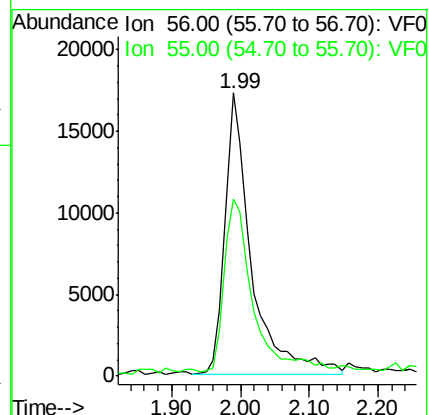
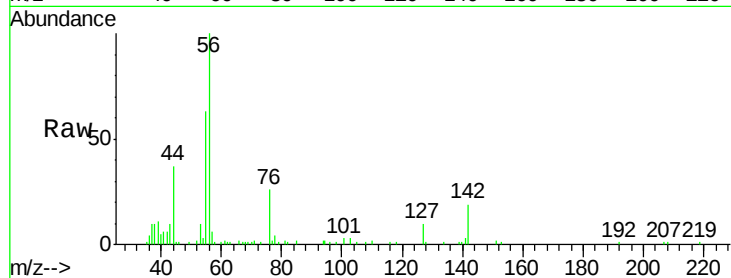
VSTDCCC050

Tot Ion: 56 Resp: 45746

Ion Ratio Lower Upper

56 100

55 62.7 55.0 82.6



#14

Allyl chloride

Concen: 47.417 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

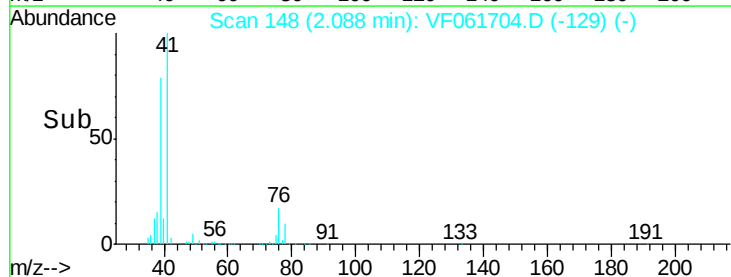
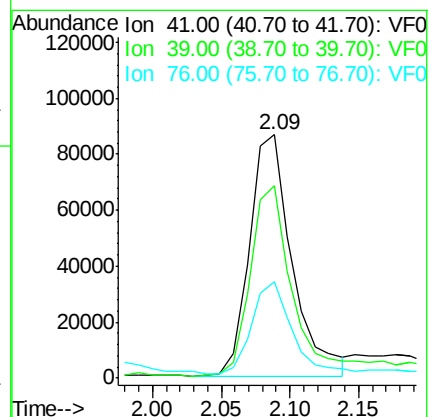
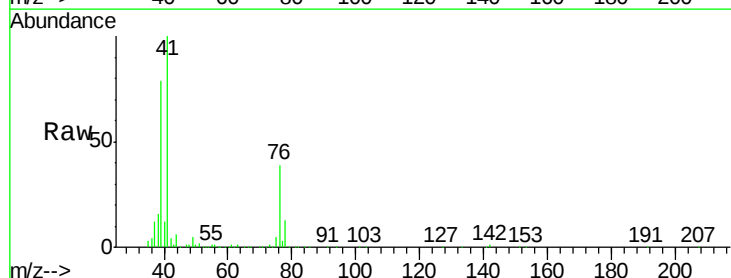
Tgt Ion: 41 Resp: 187226

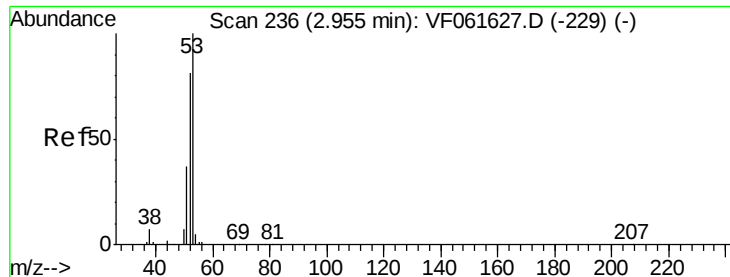
Ion Ratio Lower Upper

41 100

39 79.1 61.6 92.4

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 192.234 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

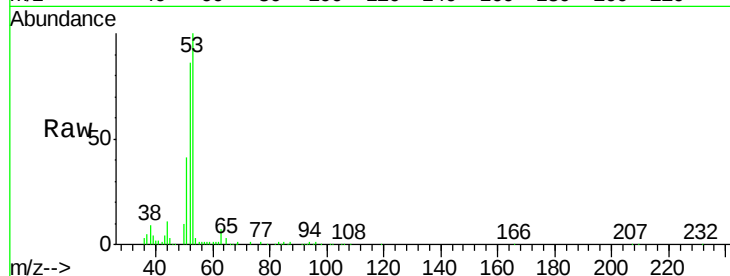
Tot Ion: 53 Resp: 108664

Ion Ratio Lower Upper

53 100

52 86.3 64.6 97.0

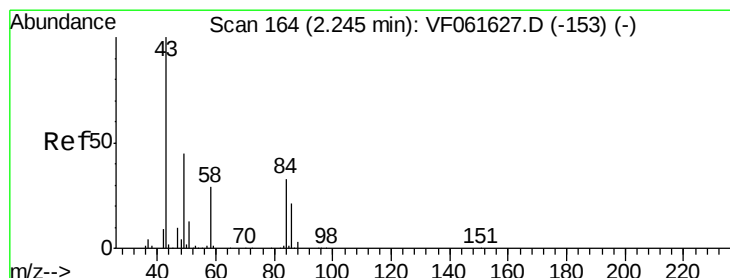
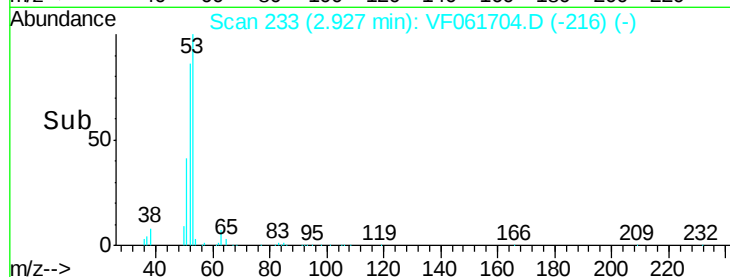
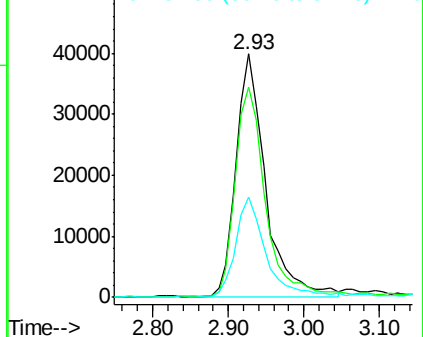
51 41.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 253.023 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061704.D

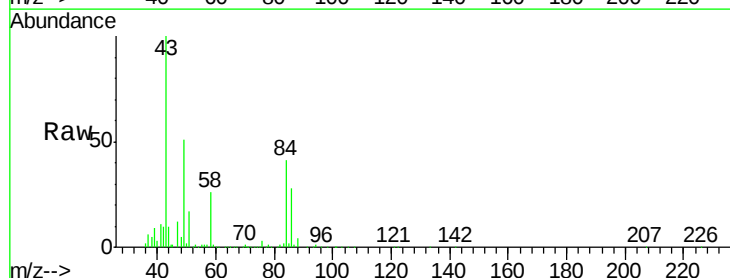
Acq: 22 Feb 2019 12:36

Tgt Ion: 43 Resp: 149489

Ion Ratio Lower Upper

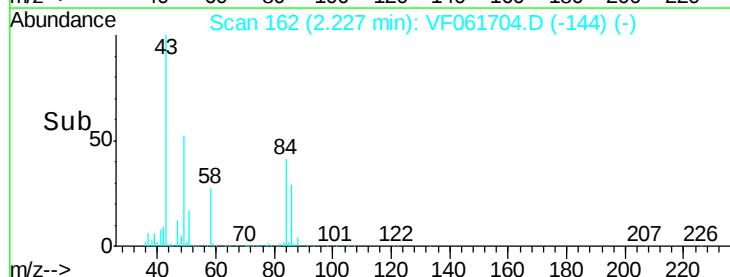
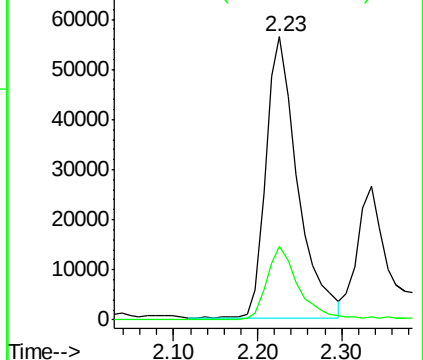
43 100

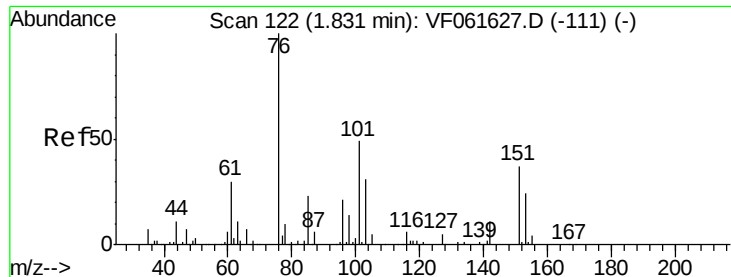
58 26.1 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

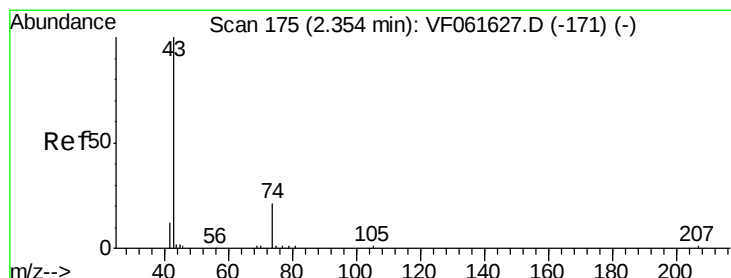
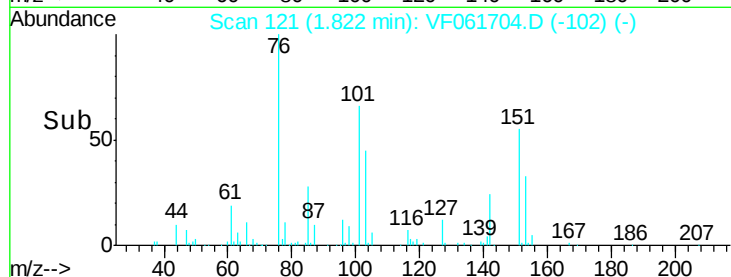
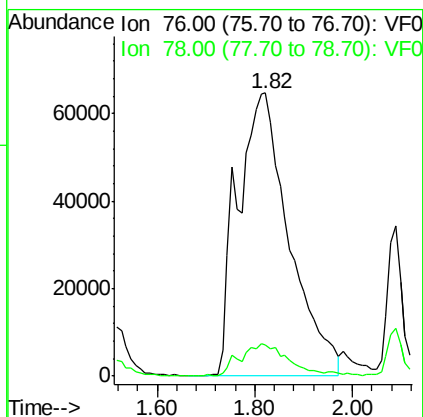
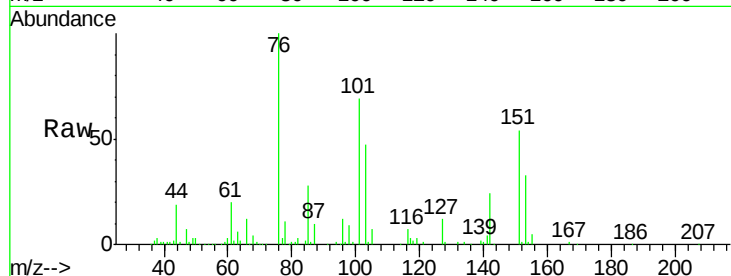




#17
Carbon Disulfide
Concen: 46.970 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

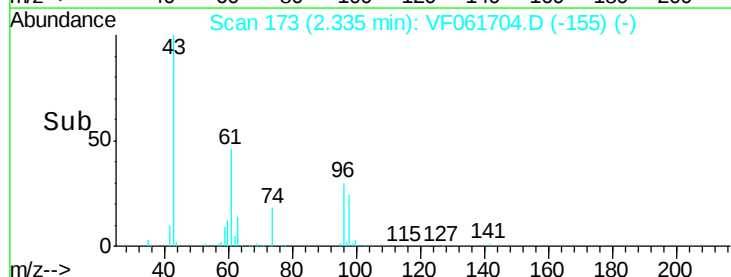
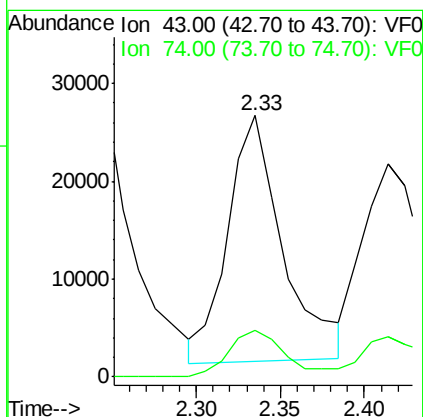
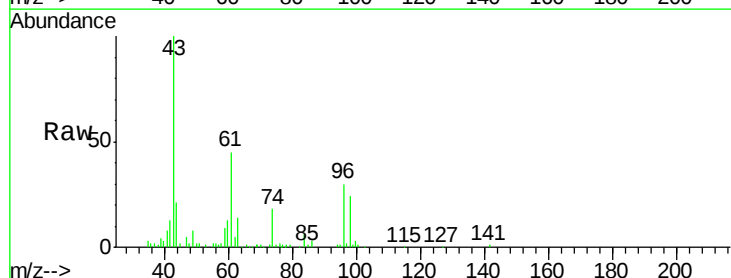
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

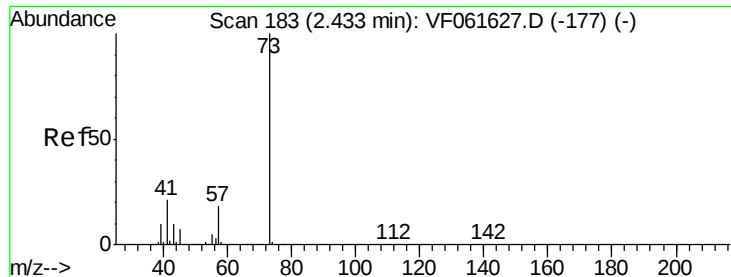
Tot Ion: 76 Resp: 475076
Ion Ratio Lower Upper
76 100
78 11.0 7.9 11.9



#18
Methyl Acetate
Concen: 43.051 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion: 43 Resp: 57299
Ion Ratio Lower Upper
43 100
74 17.9 14.6 21.8



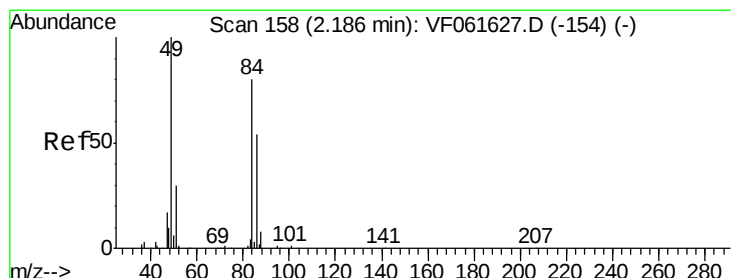
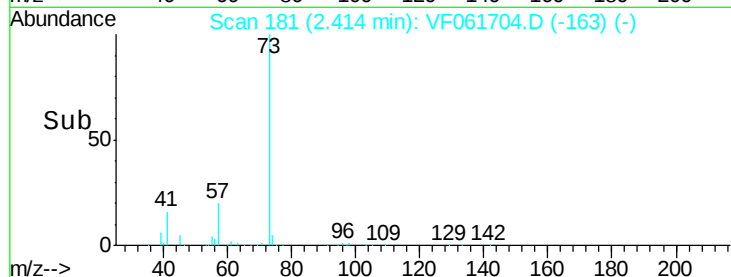
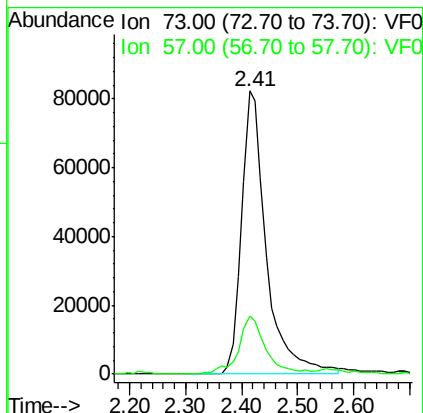
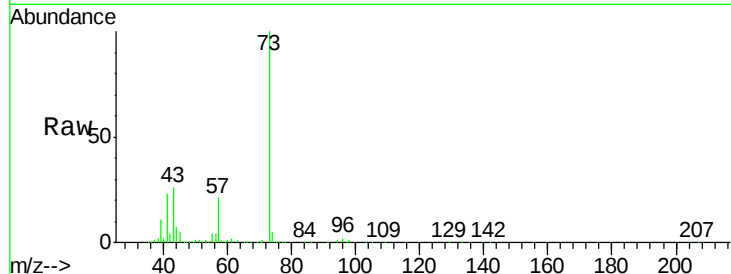


#19

Methyl tert-butyl Ether
 Concen: 45.803 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

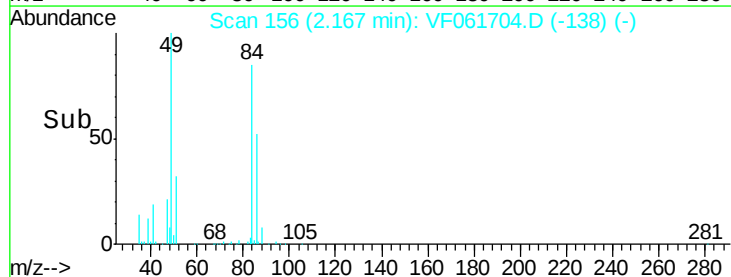
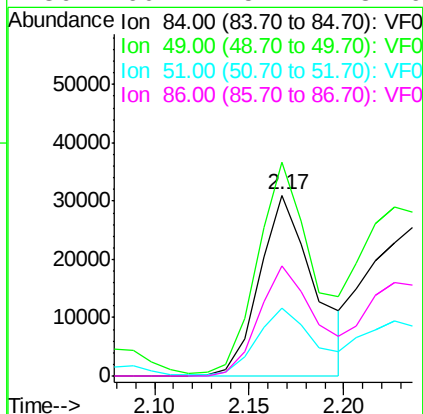
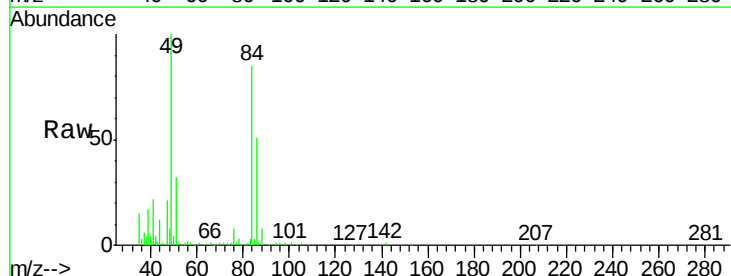
Tot Ion: 73 Resp: 251880
 Ion Ratio Lower Upper
 73 100
 57 20.6 15.8 23.8

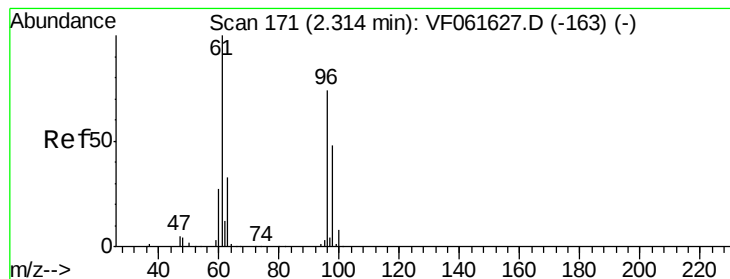


#20

Methylene Chloride
 Concen: 18.163 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion: 84 Resp: 62584
 Ion Ratio Lower Upper
 84 100
 49 118.2 101.8 152.8
 51 37.3 31.1 46.7
 86 60.7 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 46.180 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

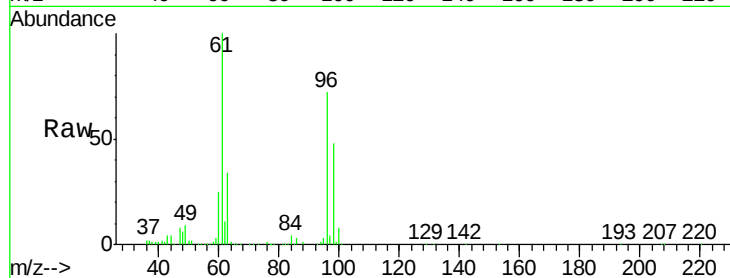
Tot Ion: 96 Resp: 161535

Ion Ratio Lower Upper

96 100

61 139.6 108.2 162.4

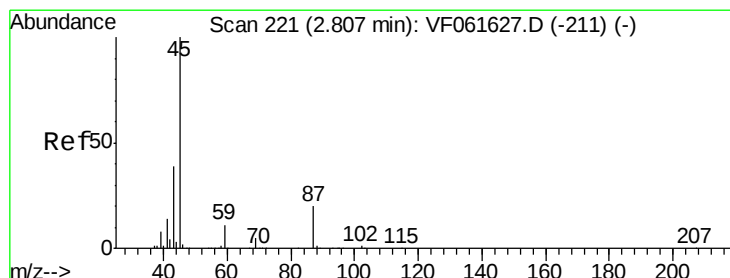
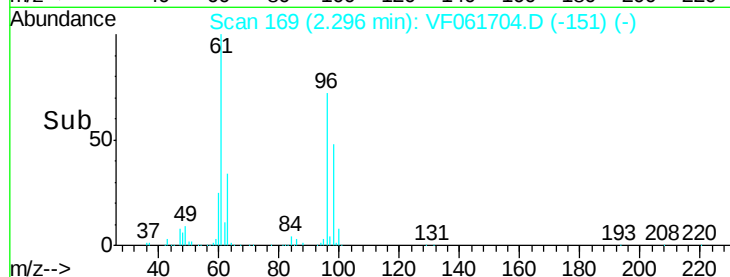
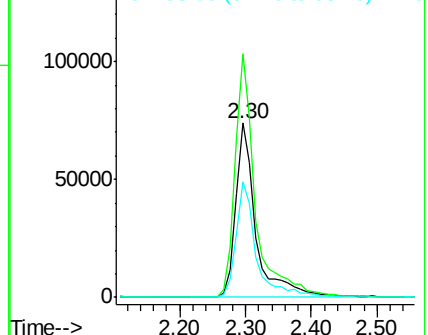
98 66.6 52.2 78.2



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 48.705 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Tgt Ion: 45 Resp: 461630

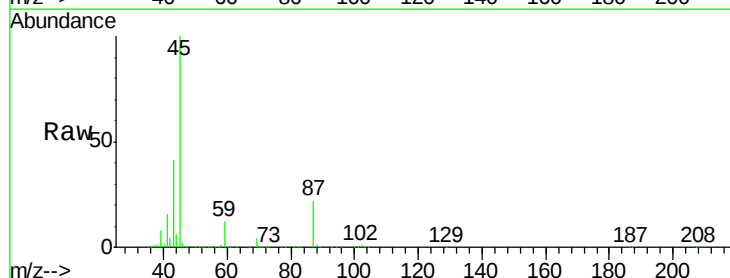
Ion Ratio Lower Upper

45 100

43 40.7 31.4 47.2

87 21.8 16.3 24.5

59 12.3 8.7 13.1

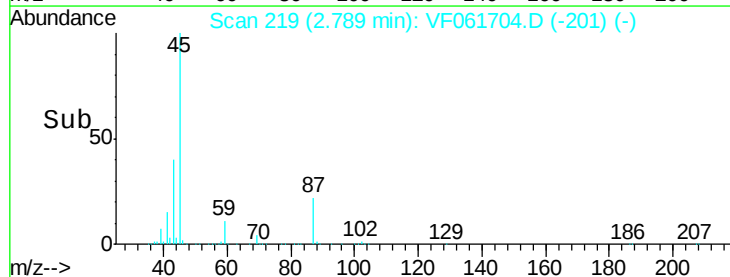
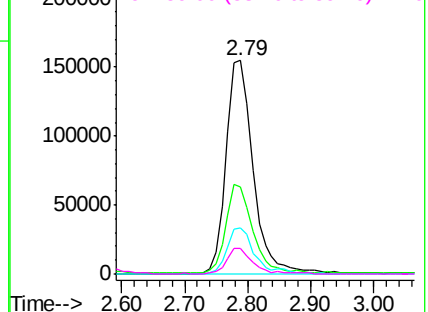


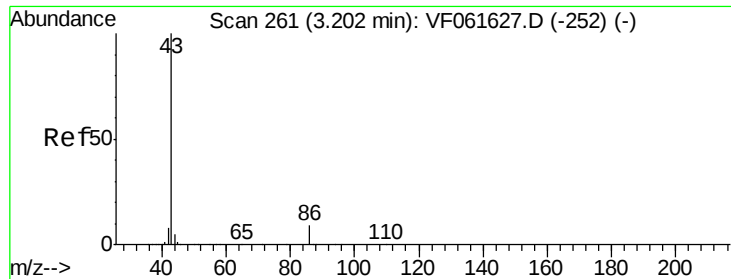
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 213.784 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

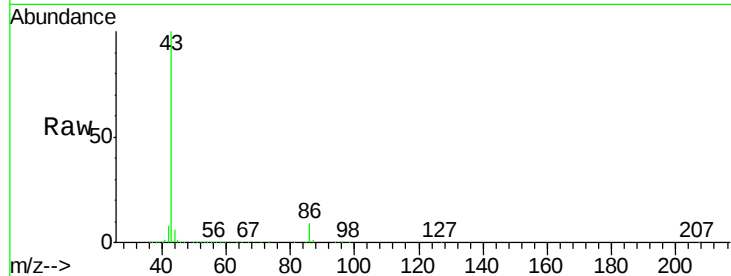
VSTDCCC050

Tot Ion: 43 Resp: 989686

Ion Ratio Lower Upper

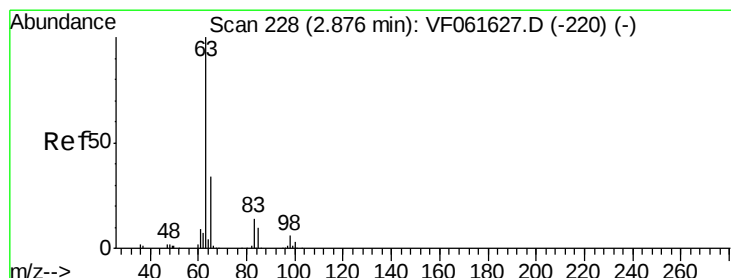
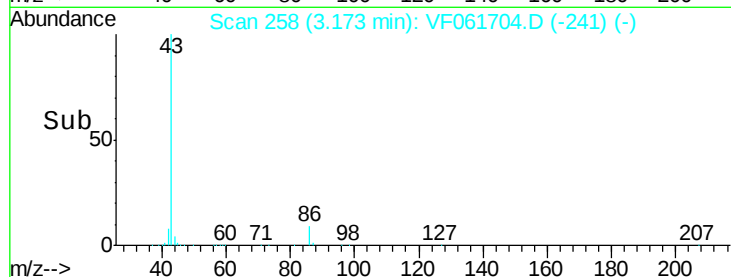
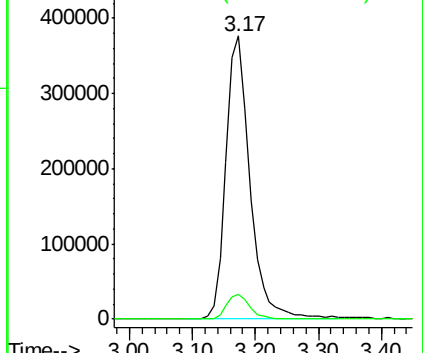
43 100

86 8.8 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 48.924 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

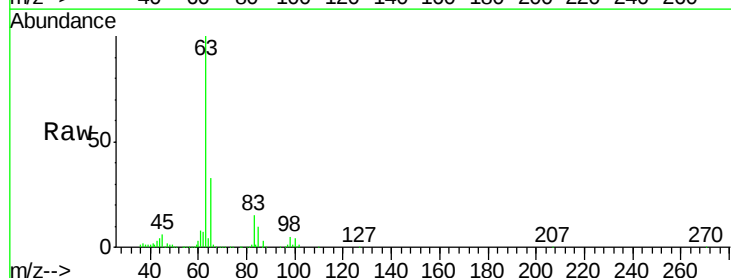
Tgt Ion: 63 Resp: 280616

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

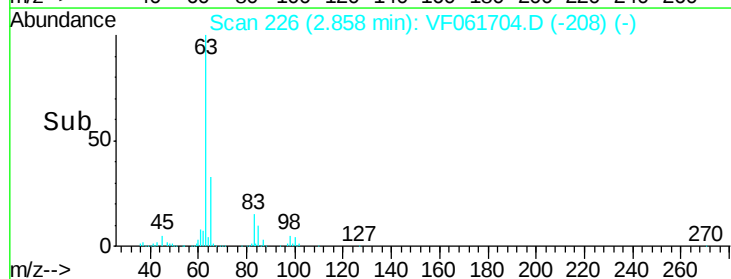
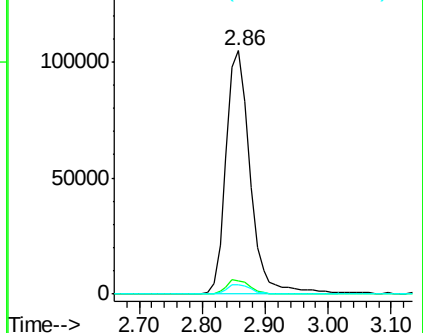
100 3.7 1.8 5.4

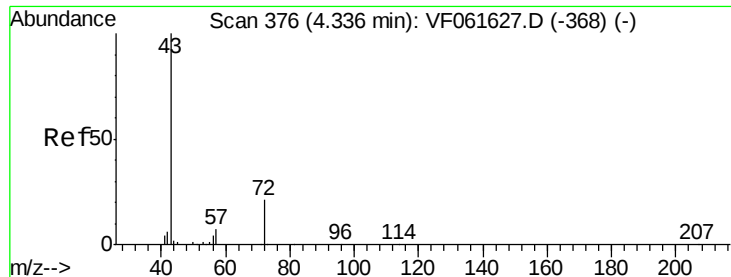


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 226.270 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

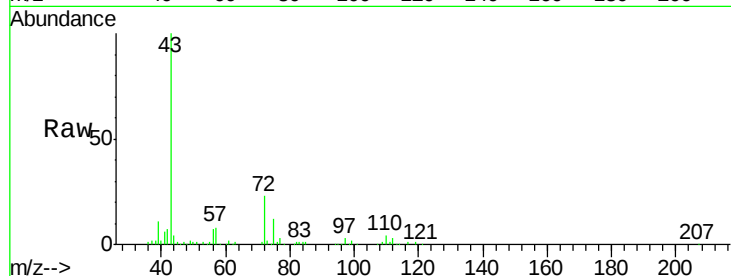
VSTDCCC050

Tot Ion: 43 Resp: 292005

Ion Ratio Lower Upper

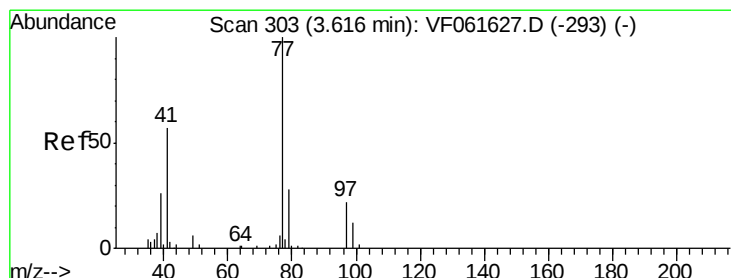
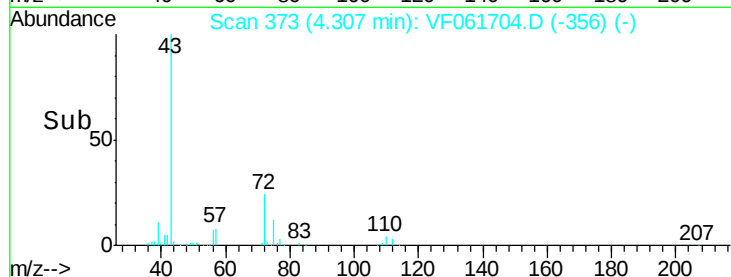
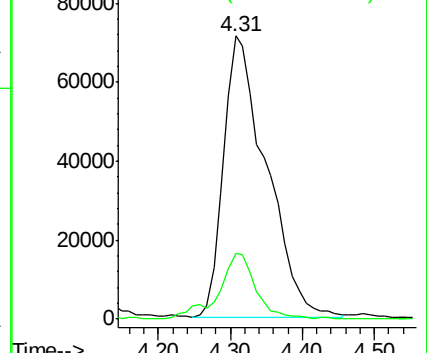
43 100

72 23.3 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 55.168 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF061704.D

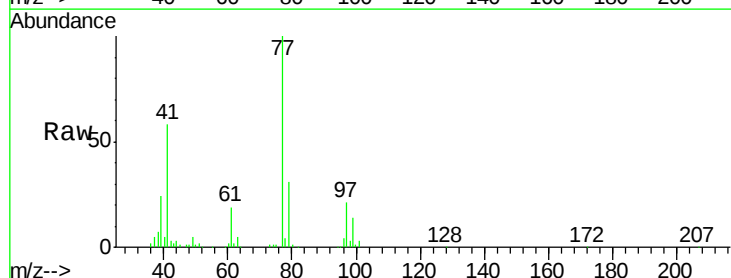
Acq: 22 Feb 2019 12:36

Tgt Ion: 77 Resp: 134034

Ion Ratio Lower Upper

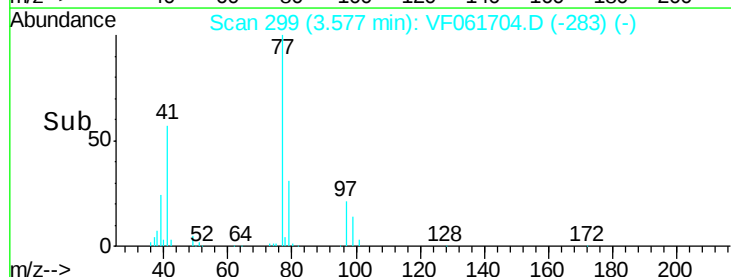
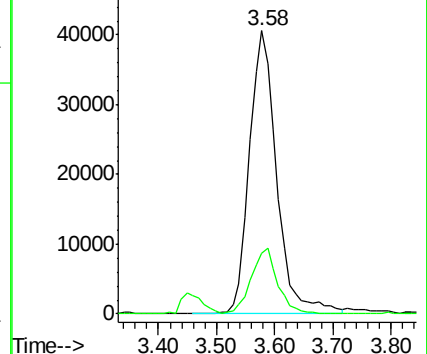
77 100

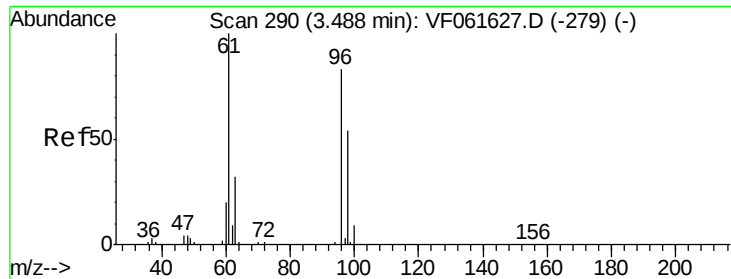
97 21.4 11.7 35.0



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



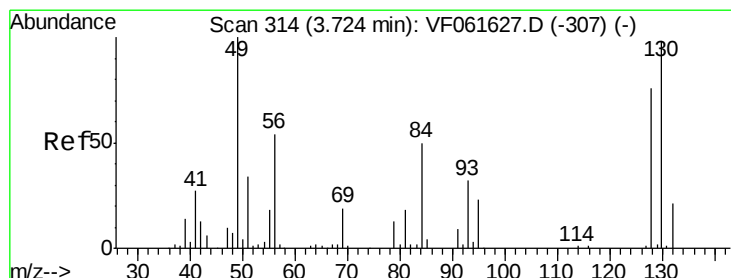
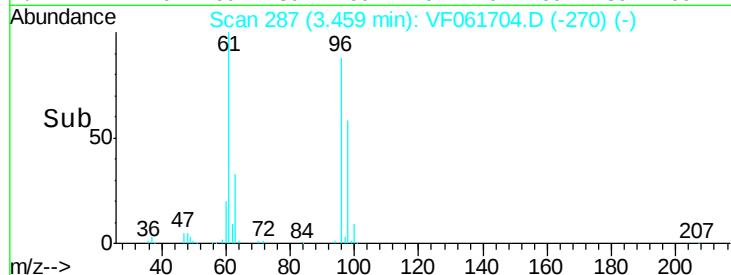
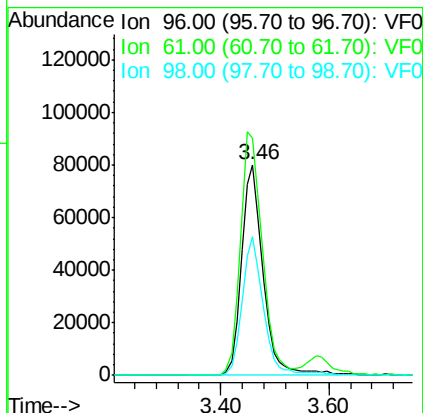
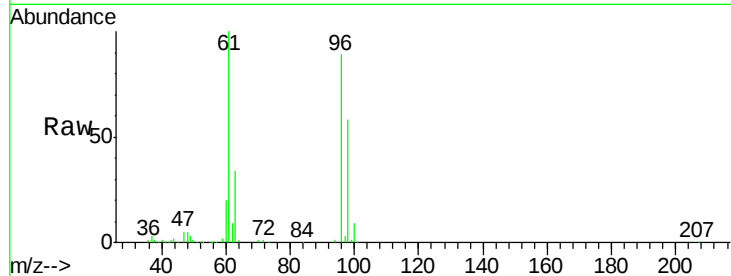


#27

cis-1,2-Dichloroethene
Concen: 48.558 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

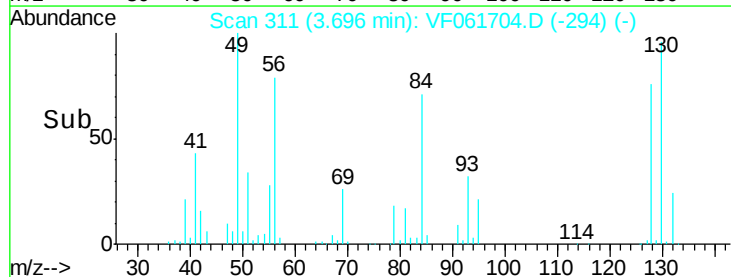
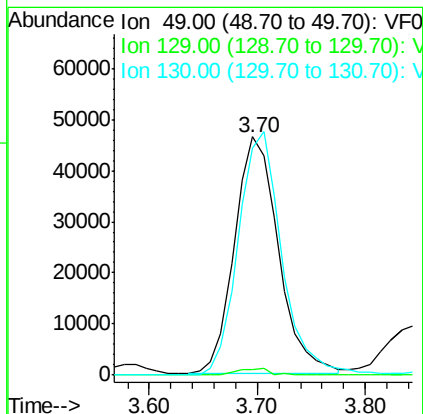
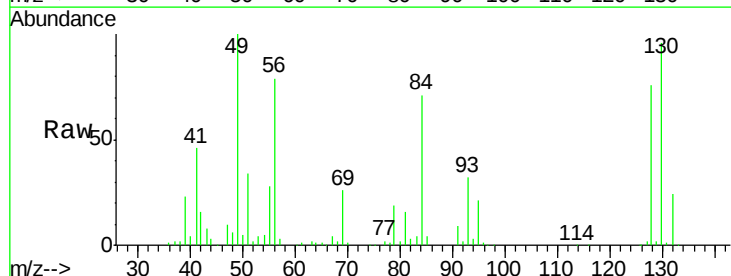
Tot Ion: 96 Resp: 222945
Ion Ratio Lower Upper
96 100
61 112.9 0.0 241.6
98 66.0 0.0 130.2

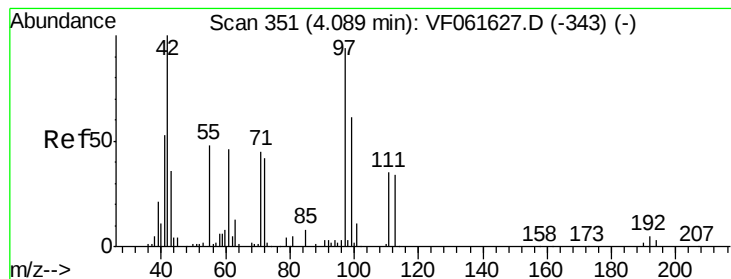


#28

Bromochloromethane
Concen: 48.195 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion: 49 Resp: 132639
Ion Ratio Lower Upper
49 100
129 2.3 0.0 3.4
130 95.6 77.7 116.5





#29

Tetrahydrofuran

Concen: 205.126 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.04 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

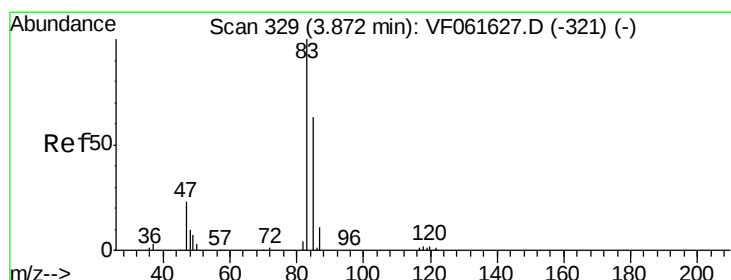
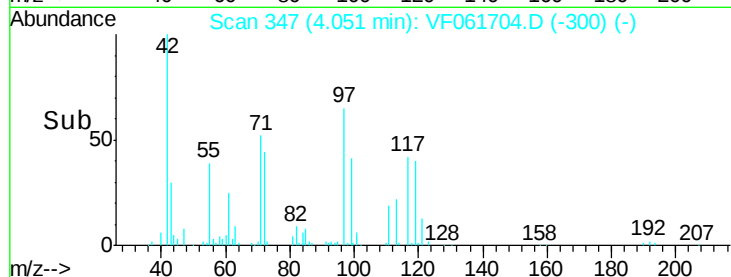
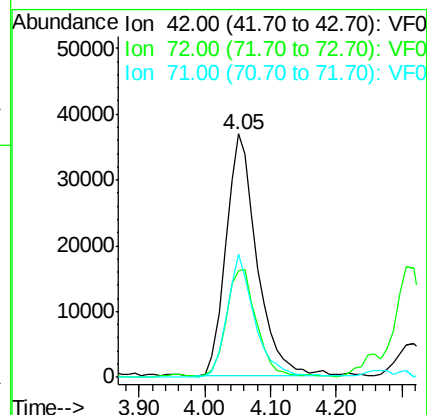
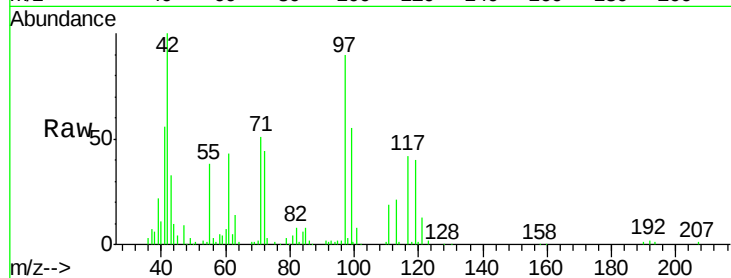
Tot Ion: 42 Resp: 120317

Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

71 46.3 32.9 49.3



#30

Chloroform

Concen: 48.414 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.03 min

Lab File: VF061704.D

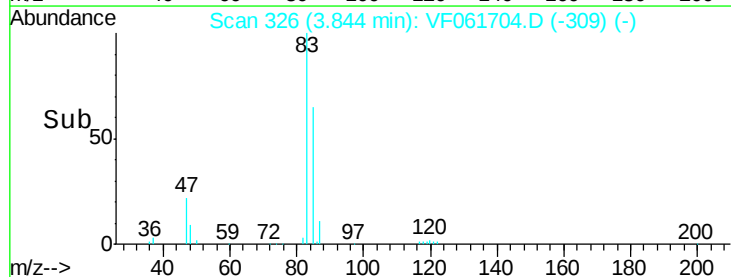
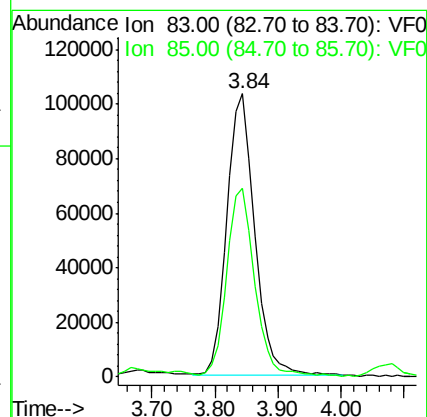
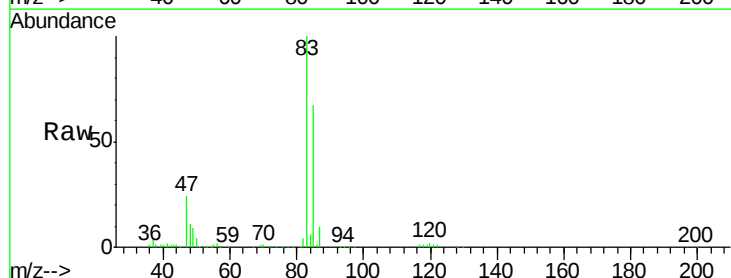
Acq: 22 Feb 2019 12:36

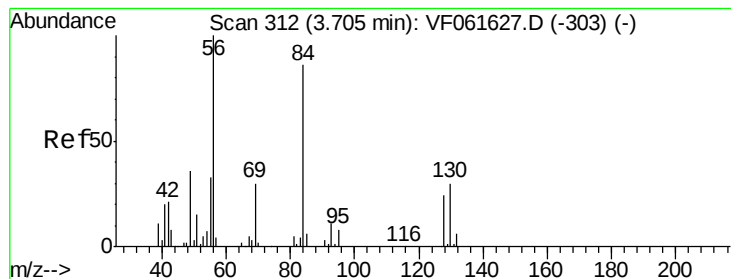
Tgt Ion: 83 Resp: 315804

Ion Ratio Lower Upper

83 100

85 66.6 51.1 76.7





#31

Cyclohexane

Concen: 48.767 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

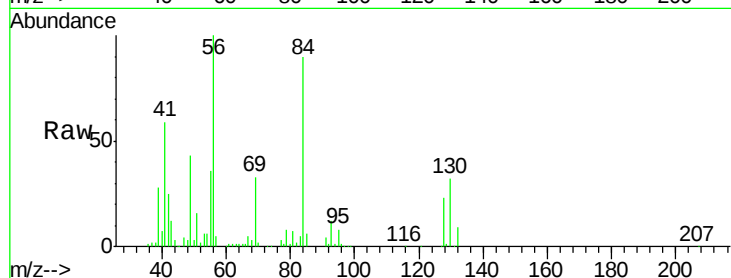
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 302807

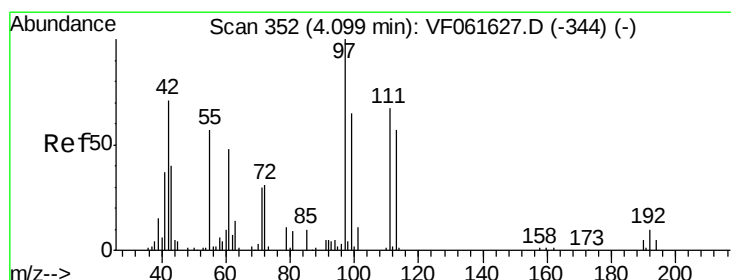
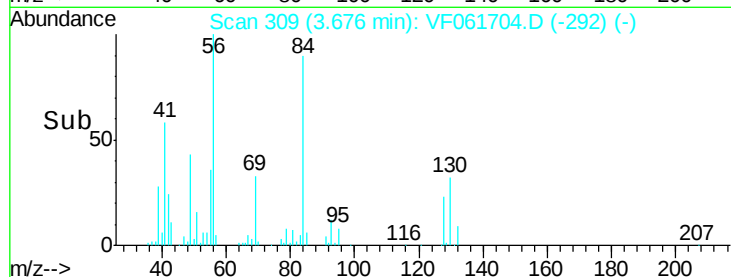
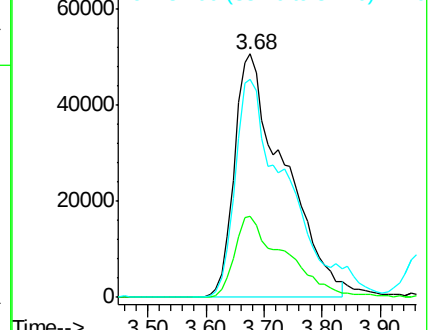
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.8	35.8
84	89.6	68.6	103.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 54.889 ug/l

RT: 4.07 min Scan# 349

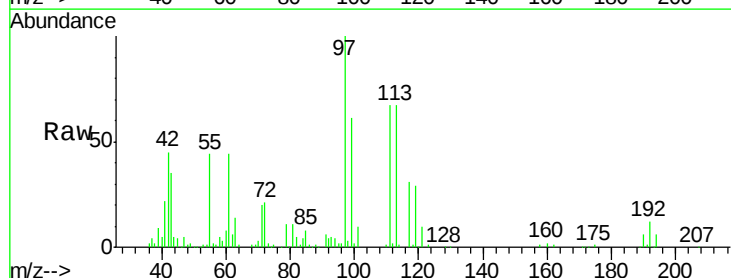
Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Tgt Ion: 97 Resp: 234535

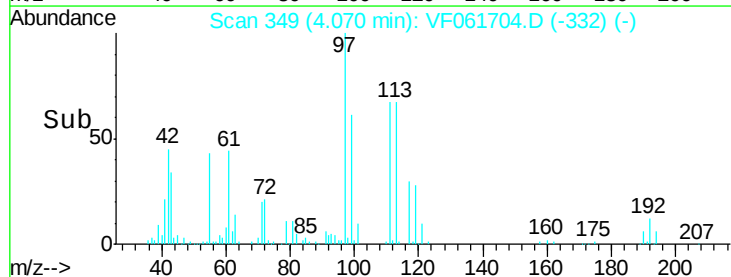
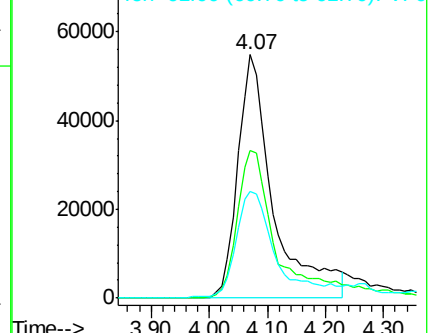
Ion	Ratio	Lower	Upper
97	100		
99	60.6	52.2	78.2
61	44.0	39.2	58.8

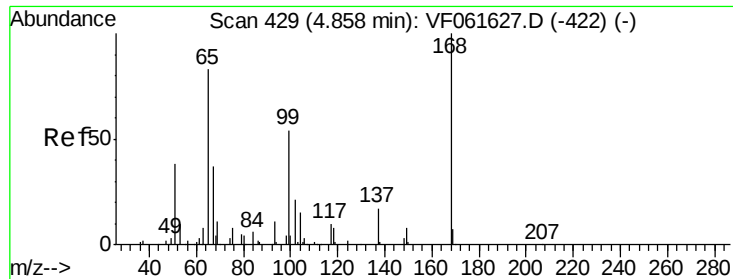


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

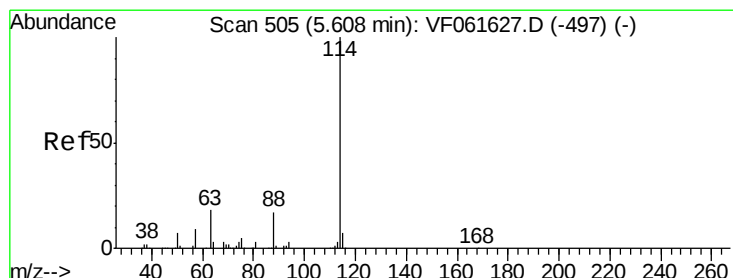
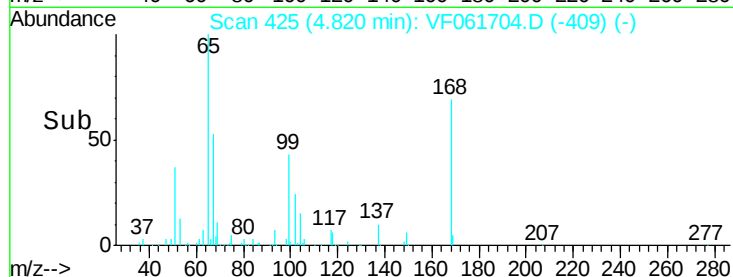
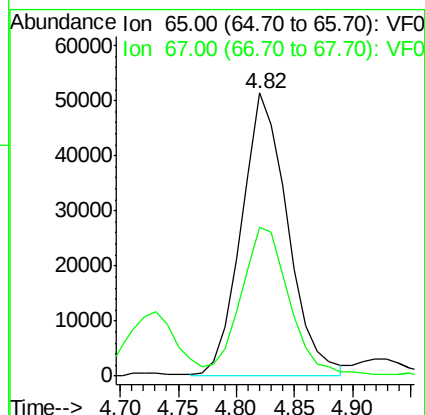
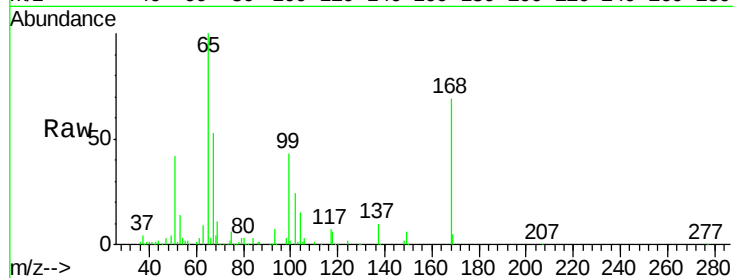




#33
 1,2-Dichloroethane-d4
 Concen: 51.105 ug/l
 RT: 4.82 min Scan# 425
 Delta R.T. -0.04 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

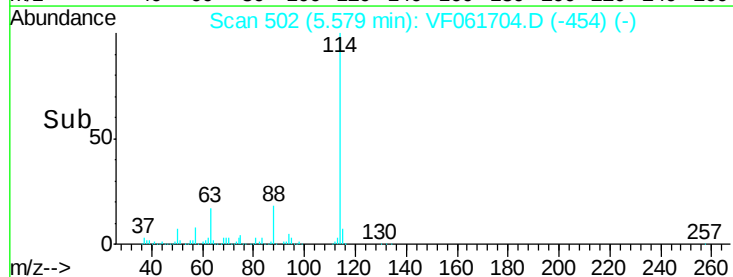
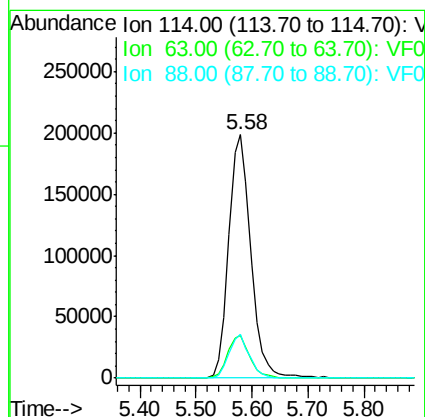
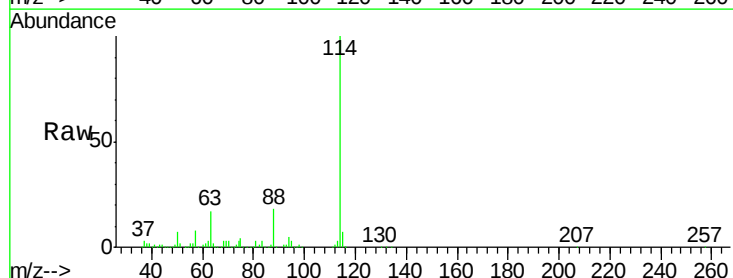
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

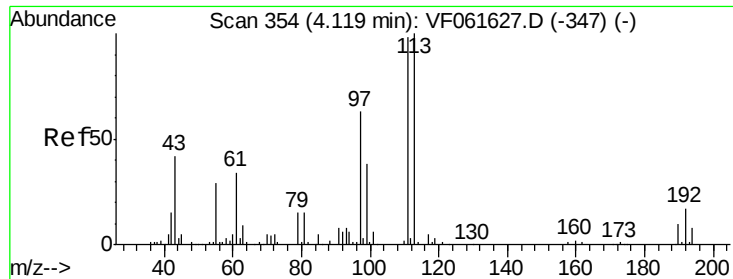
Tot Ion: 65 Resp: 140726
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion: 114 Resp: 545514
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 36.6
 88 18.1 0.0 34.4

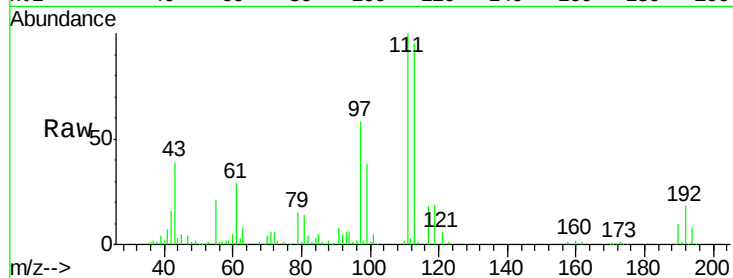




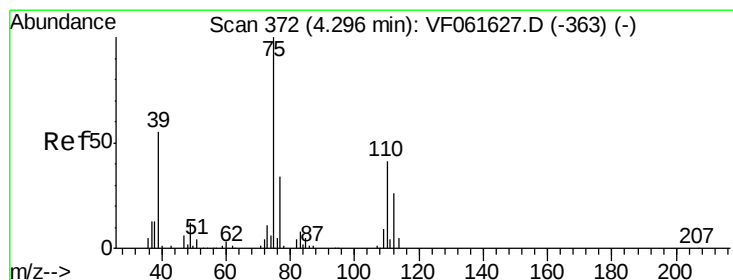
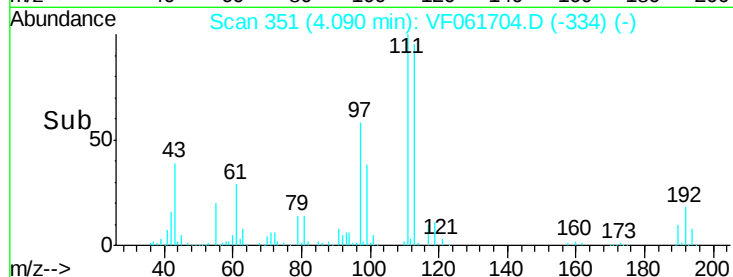
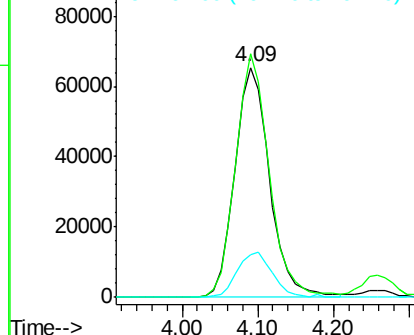
#35
 Dibromofluoromethane
 Concen: 51.359 ug/l
 RT: 4.09 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 208055
 Ion Ratio Lower Upper
 113 100
 111 105.8 78.8 118.2
 192 19.1 13.4 20.0

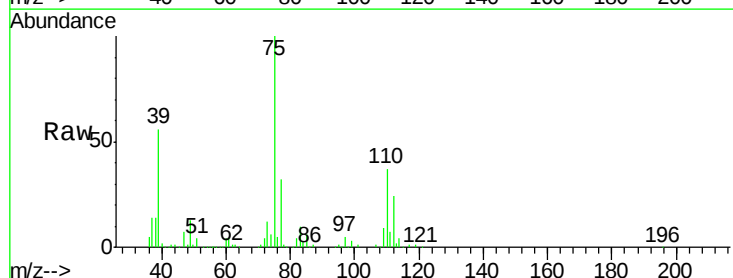


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

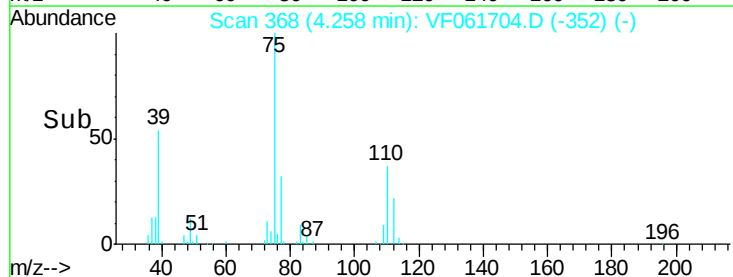
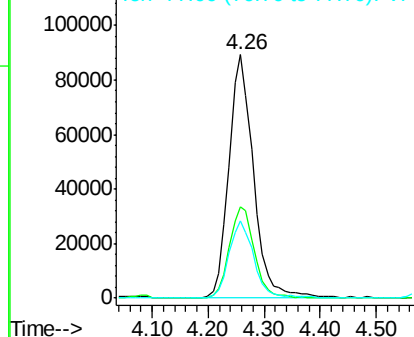


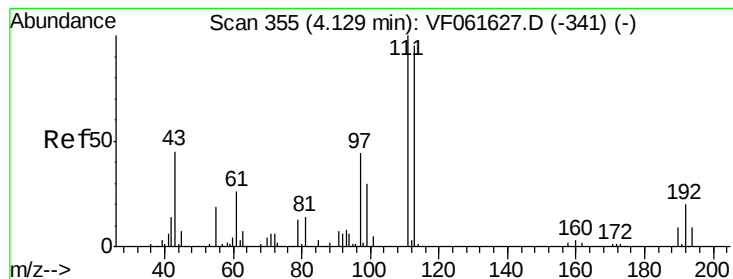
#36
 1,1-Dichloropropene
 Concen: 50.185 ug/l
 RT: 4.26 min Scan# 368
 Delta R.T. -0.04 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion: 75 Resp: 271199
 Ion Ratio Lower Upper
 75 100
 110 37.2 20.5 61.6
 77 31.8 27.0 40.4



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: 40.878 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

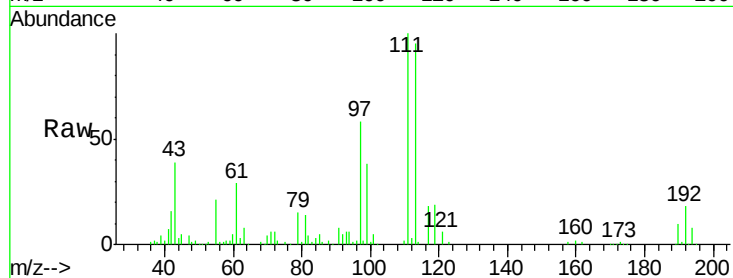
Tot Ion: 43 Resp: 102605

Ion Ratio Lower Upper

43 100

61 74.3 45.7 68.5#

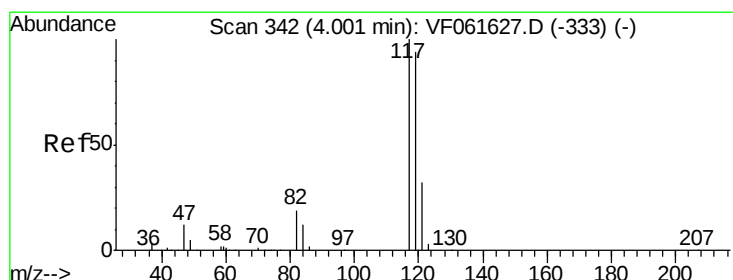
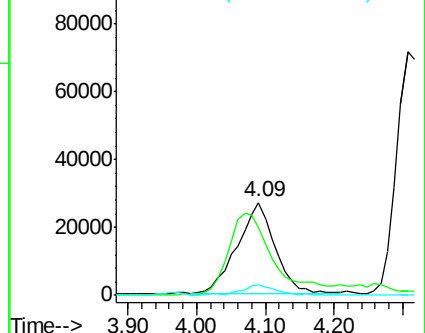
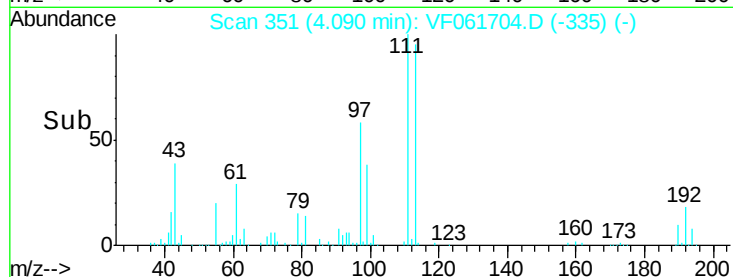
70 11.0 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 53.869 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

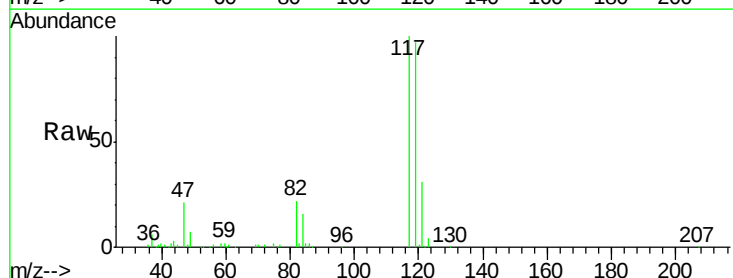
Tgt Ion: 117 Resp: 201011

Ion Ratio Lower Upper

117 100

119 96.6 75.6 113.4

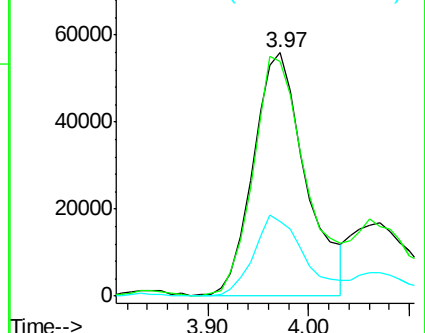
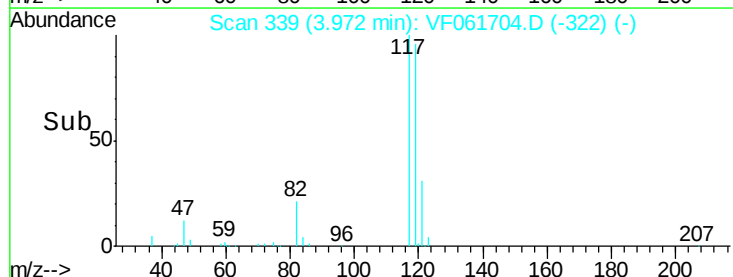
121 30.8 25.2 37.8

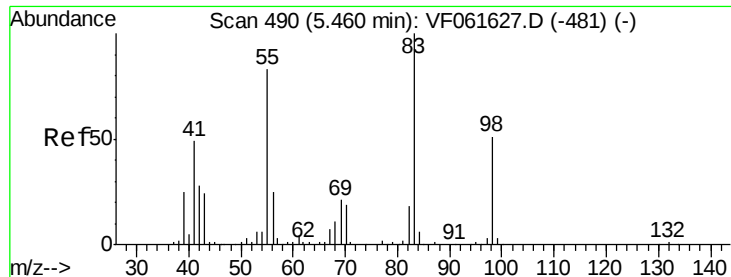


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

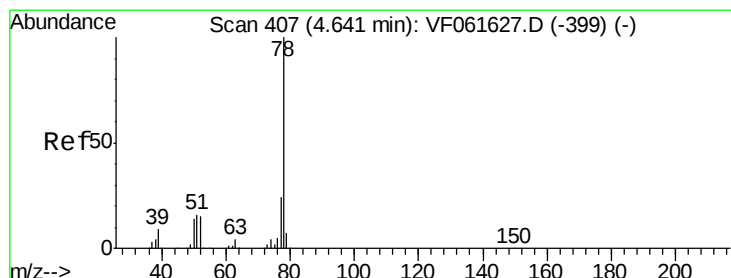
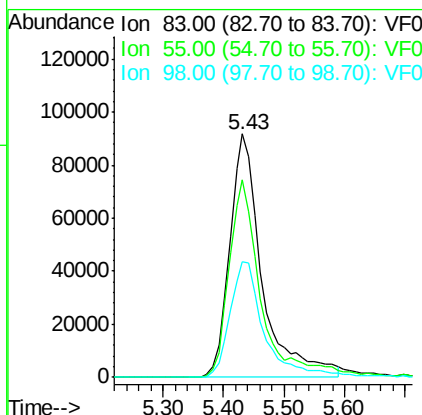
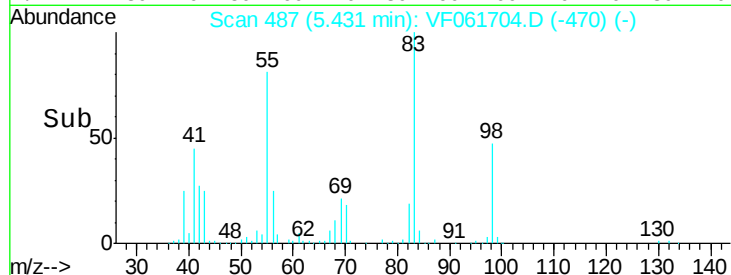
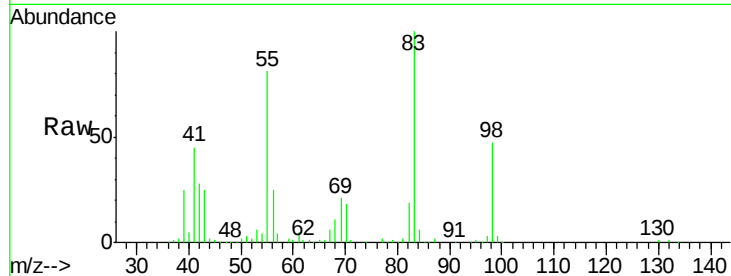




#39
Methvlcvclohexane
Concen: 53.418 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

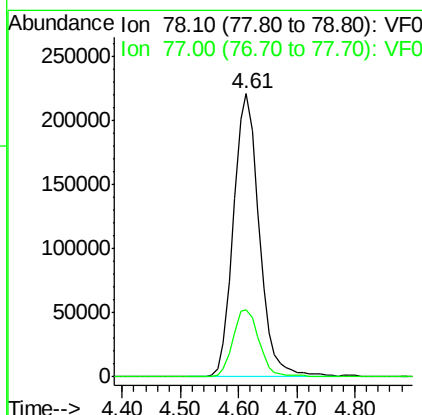
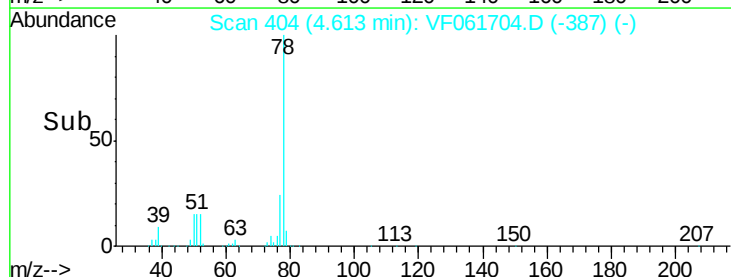
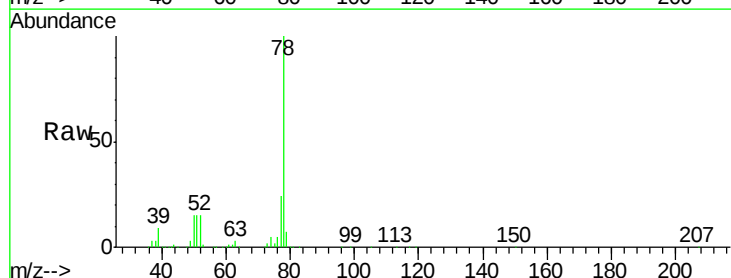
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

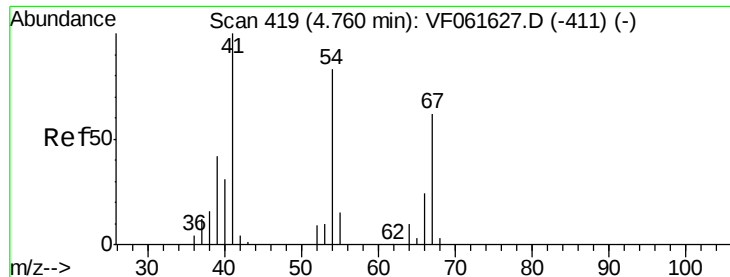
Tot Ion: 83 Resp: 341398
Ion Ratio Lower Upper
83 100
55 81.1 66.6 99.8
98 47.3 40.4 60.6



#40
Benzene
Concen: 48.188 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion: 78 Resp: 681134
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6





#41

Methacrylonitrile

Concen: 47.385 ug/l

RT: 4.72 min Scan# 415

Delta R.T. -0.04 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 60825

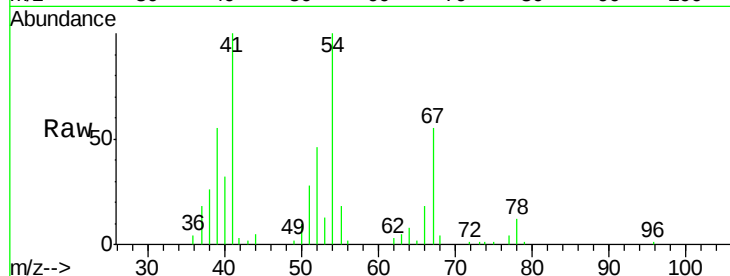
Ion Ratio Lower Upper

41 100

39 55.5 45.3 67.9

67 55.4 49.3 73.9

52 46.1 32.6 49.0

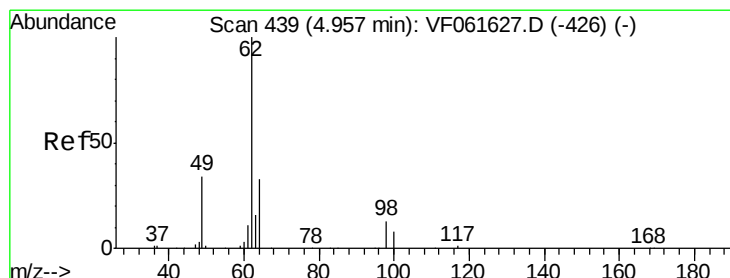
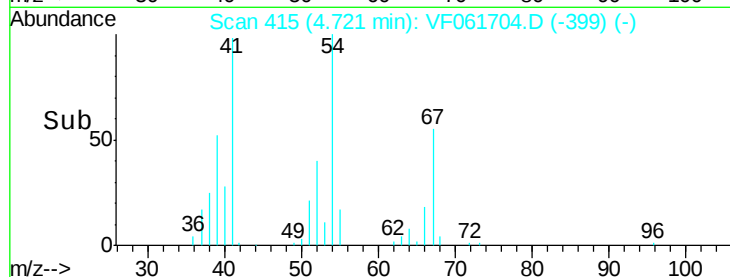
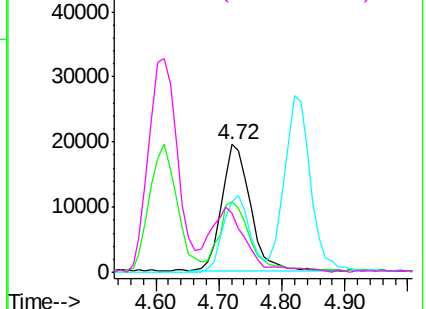


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 50.884 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.04 min

Lab File: VF061704.D

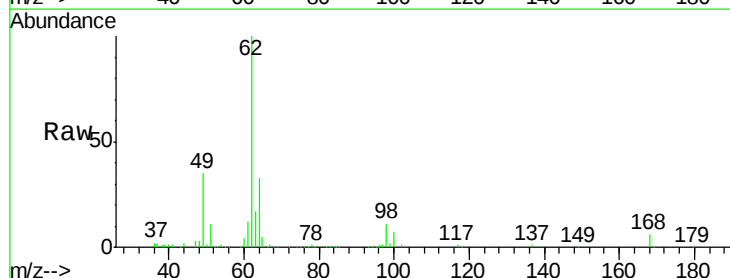
Acq: 22 Feb 2019 12:36

Tgt Ion: 62 Resp: 172048

Ion Ratio Lower Upper

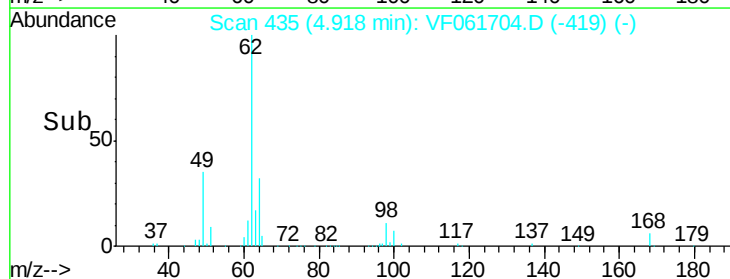
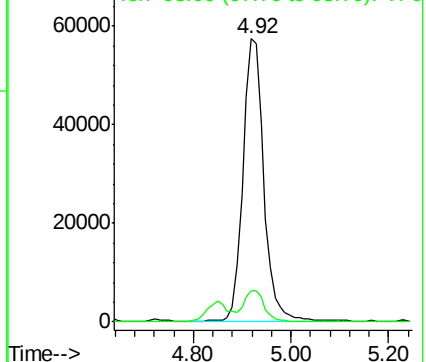
62 100

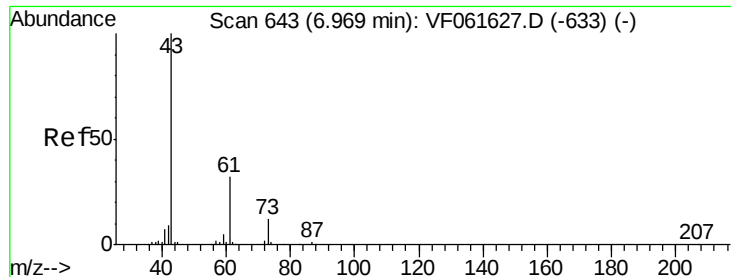
98 10.8 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



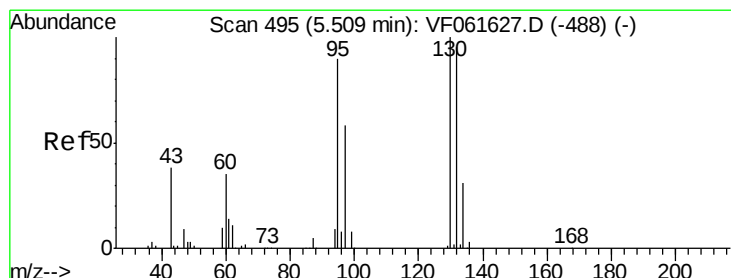
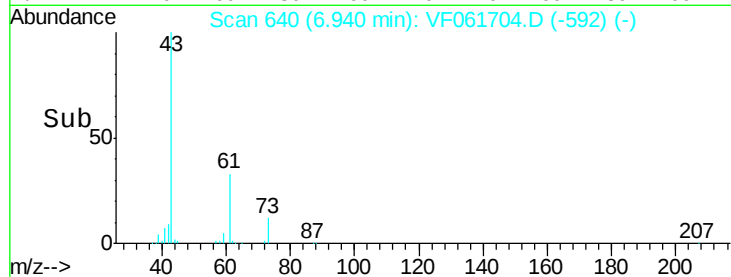
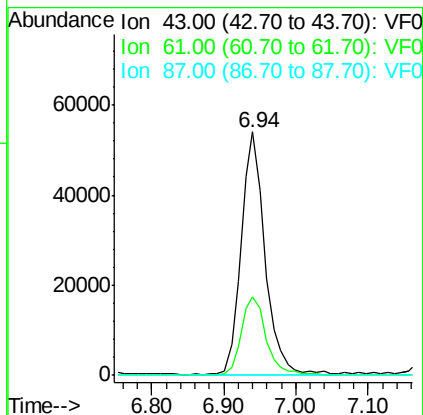
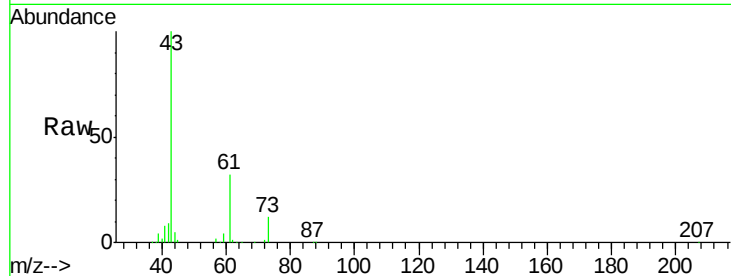


#43

Isopropyl Acetate
 Concen: 42.533 ug/l
 RT: 6.94 min Scan# 640
 Delta R.T. -0.03 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

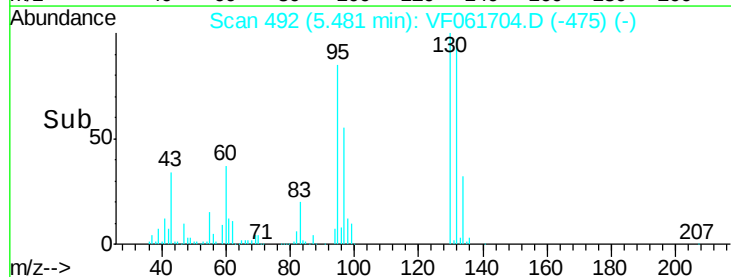
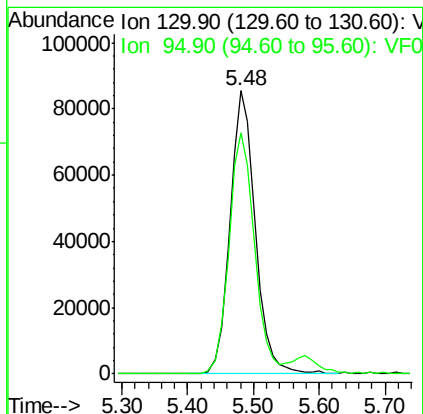
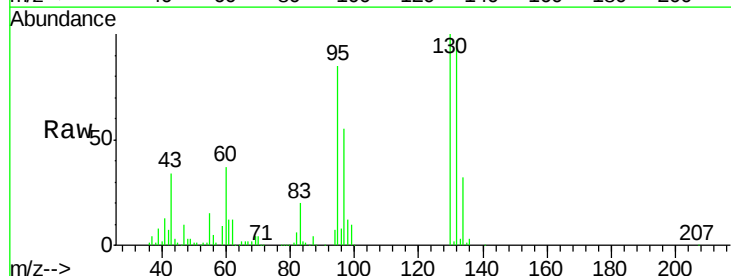
Tot Ion: 43 Resp: 126369
 Ion Ratio Lower Upper
 43 100
 61 32.4 25.8 38.6
 87 0.4 0.4 0.6#

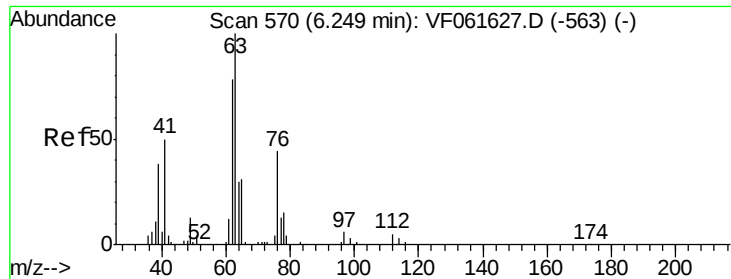


#44

Trichloroethene
 Concen: 50.426 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion:130 Resp: 230494
 Ion Ratio Lower Upper
 130 100
 95 85.4 0.0 179.4





#45

1,2-Dichloropropane

Concen: 48.621 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

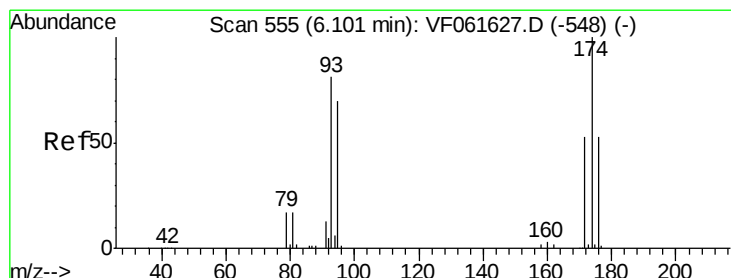
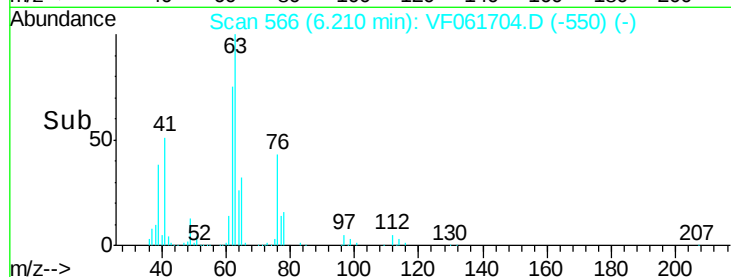
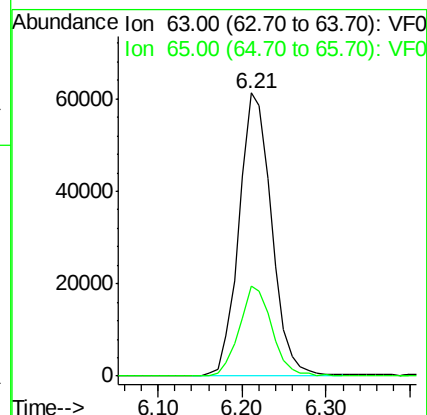
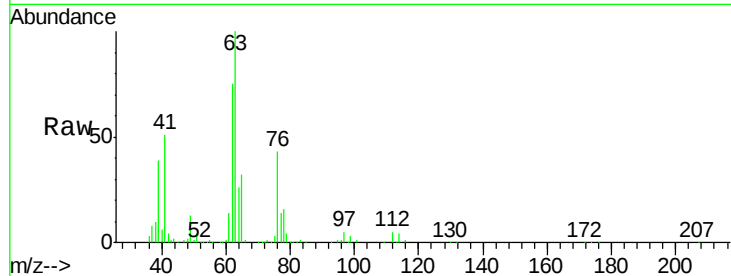
VSTDCCC050

Tot Ion: 63 Resp: 166124

Ion Ratio Lower Upper

63 100

65 32.0 24.9 37.3



#46

Dibromomethane

Concen: 46.028 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

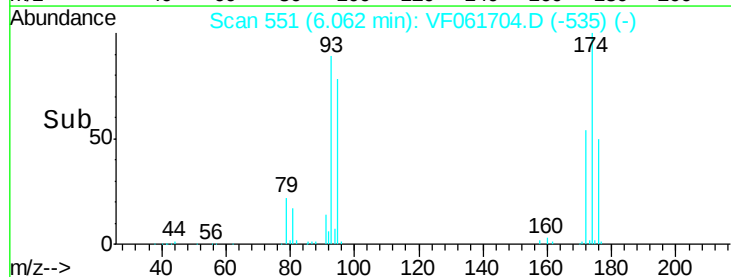
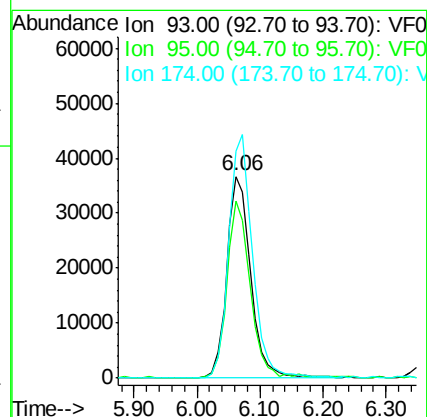
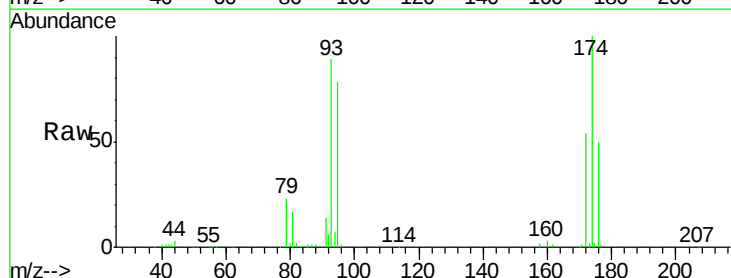
Tgt Ion: 93 Resp: 96828

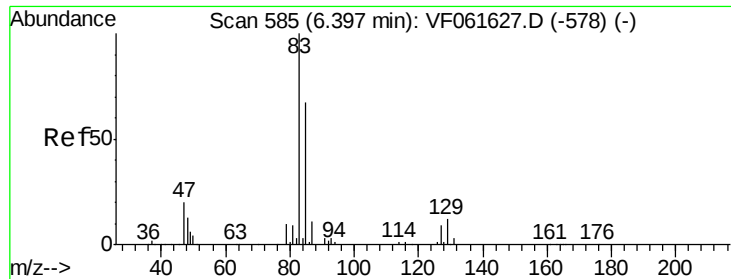
Ion Ratio Lower Upper

93 100

95 87.6 69.0 103.6

174 112.2 99.3 148.9





#47

Bromodichloromethane

Concen: 48.699 ug/l

RT: 6.37 min Scan# 582

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

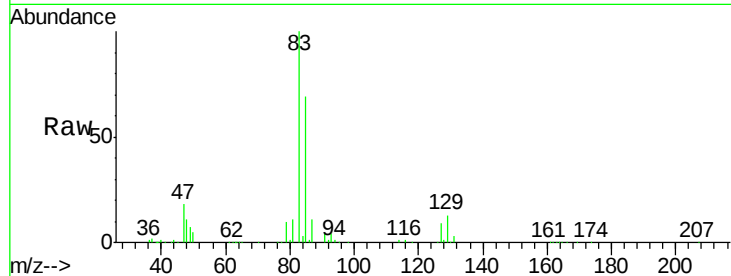
Tot Ion: 83 Resp: 224347

Ion Ratio Lower Upper

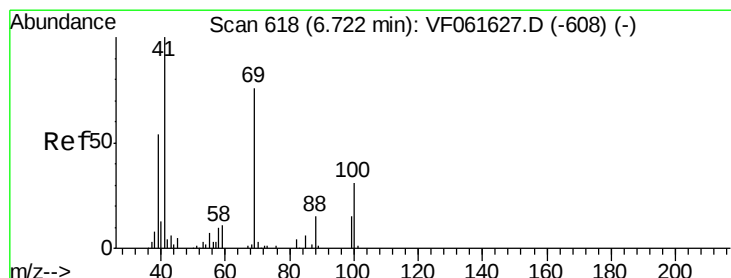
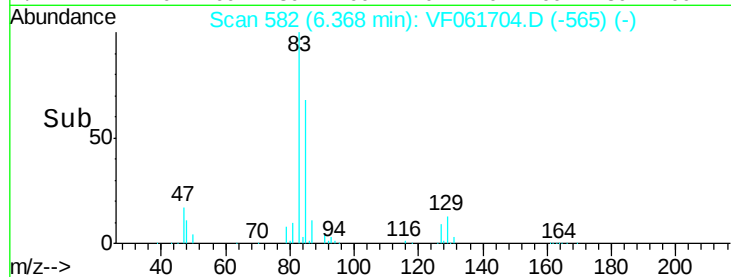
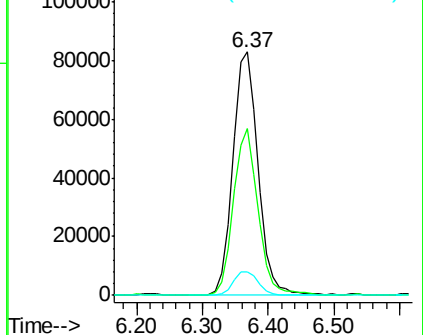
83 100

85 68.7 53.4 80.2

127 9.4 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 42.770 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

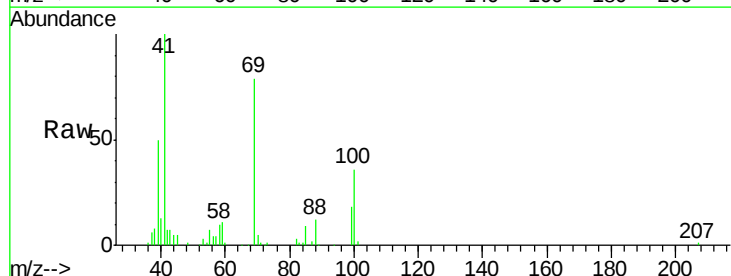
Tgt Ion: 41 Resp: 76471

Ion Ratio Lower Upper

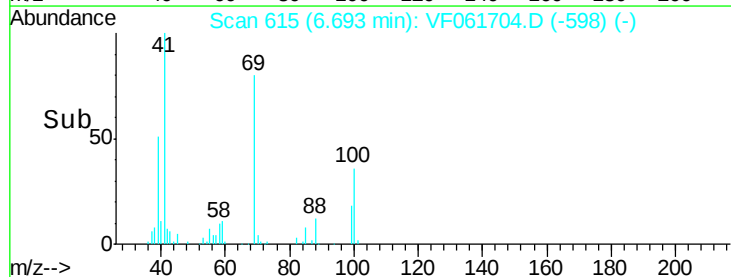
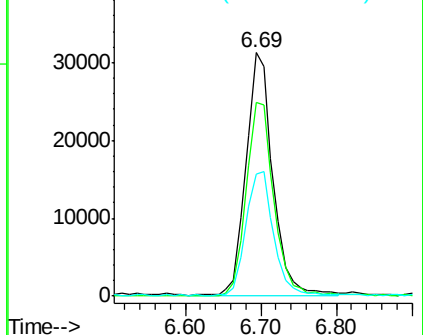
41 100

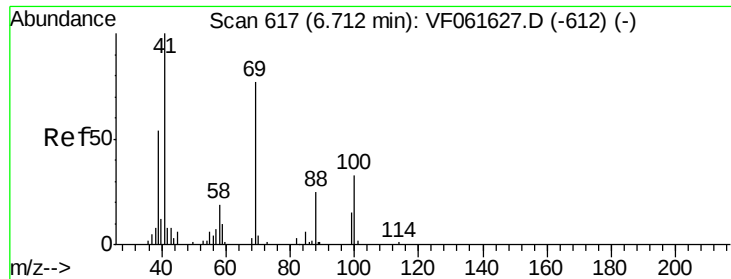
69 79.5 60.4 90.6

39 50.3 43.7 65.5



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0

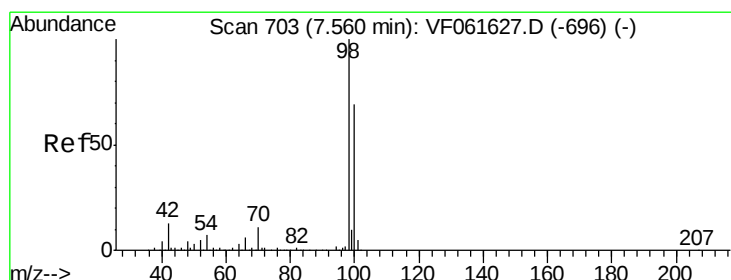
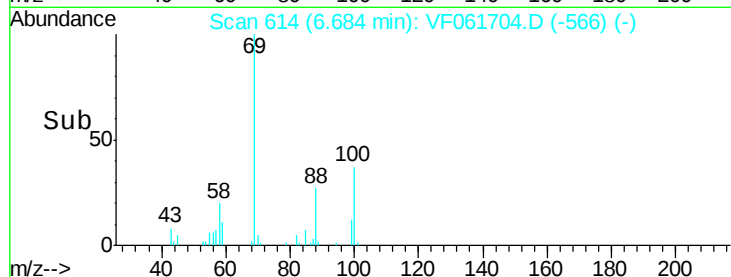
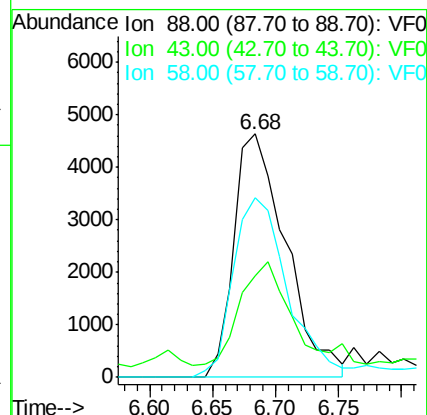
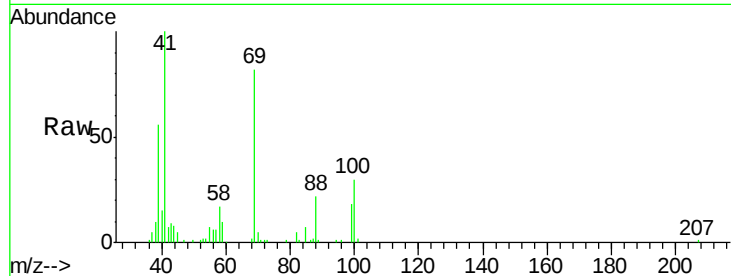




#49
 1,4-Dioxane
 Concen: 786.483 ug/l
 RT: 6.68 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

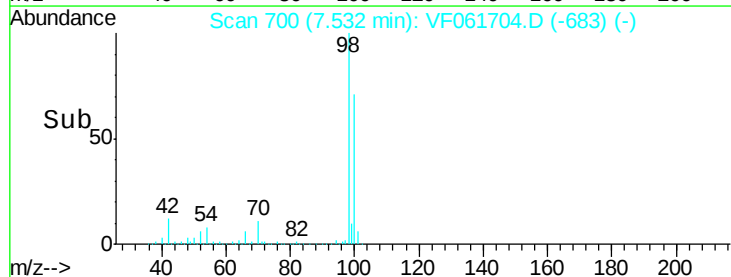
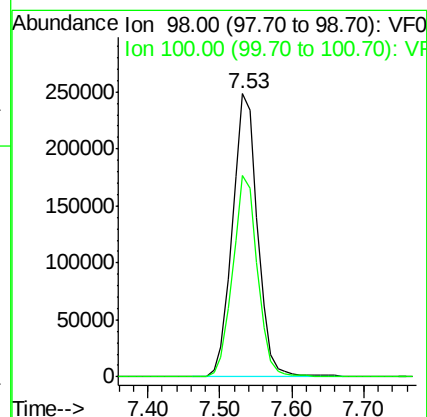
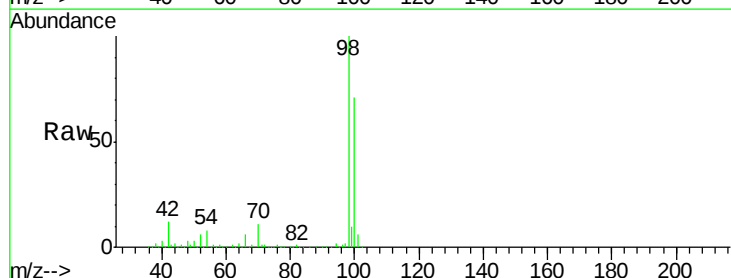
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

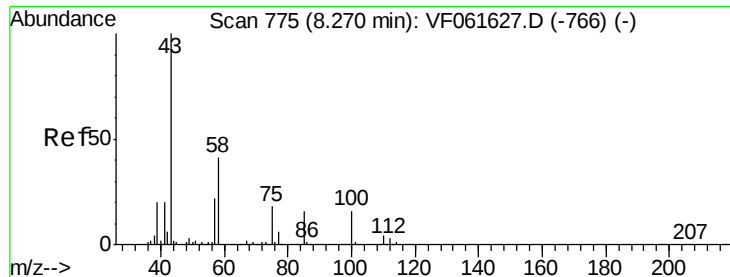
Tot Ion: 88 Resp: 13219
 Ion Ratio Lower Upper
 88 100
 43 41.5 32.3 48.5
 58 73.9 59.4 89.2



#50
 Toluene-d8
 Concen: 51.865 ug/l
 RT: 7.53 min Scan# 700
 Delta R.T. -0.03 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion: 98 Resp: 603996
 Ion Ratio Lower Upper
 98 100
 100 71.0 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 201.283 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

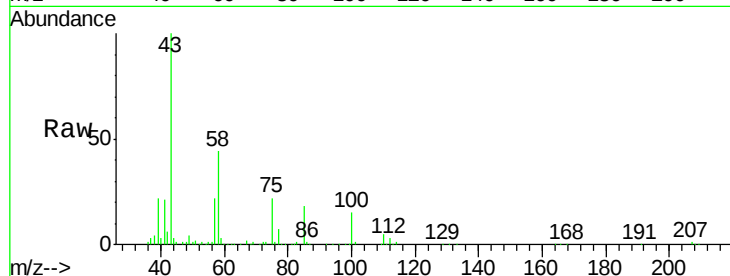
VSTDCCC050

Tot Ion: 43 Resp: 427309

Ion Ratio Lower Upper

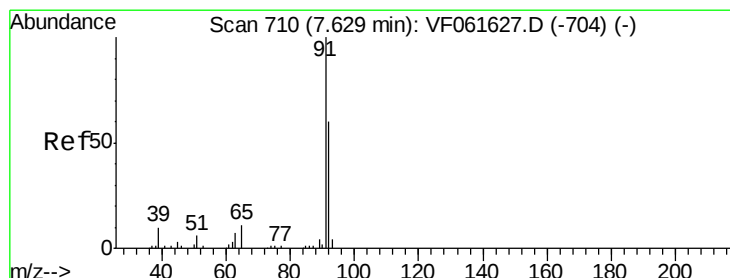
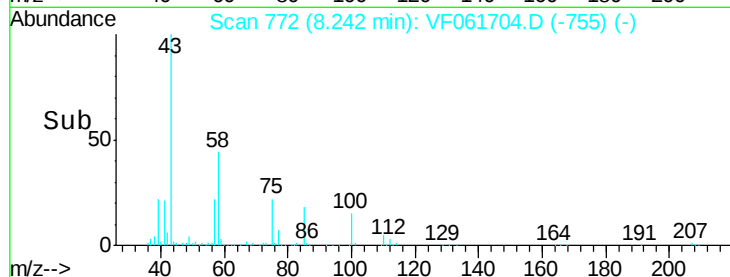
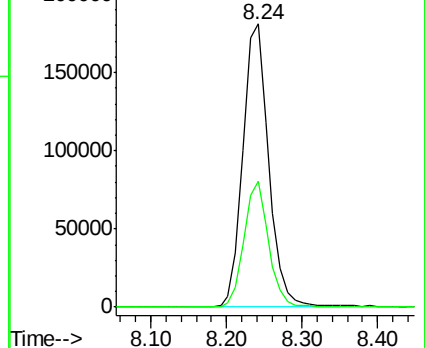
43 100

58 44.3 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 48.086 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061704.D

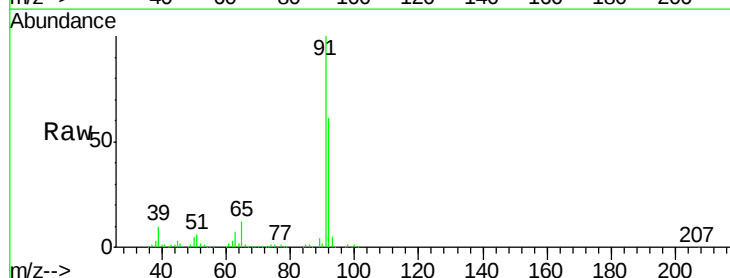
Acq: 22 Feb 2019 12:36

Tgt Ion: 92 Resp: 412226

Ion Ratio Lower Upper

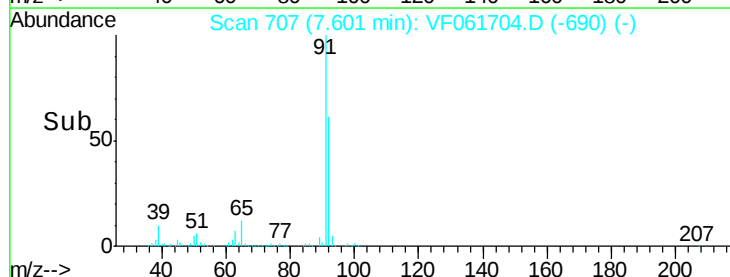
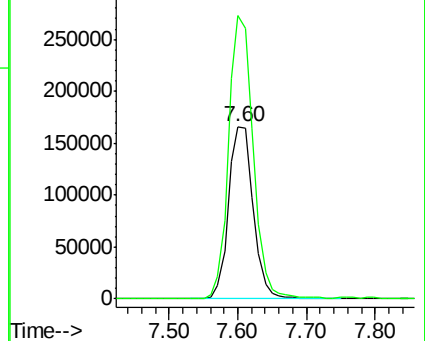
92 100

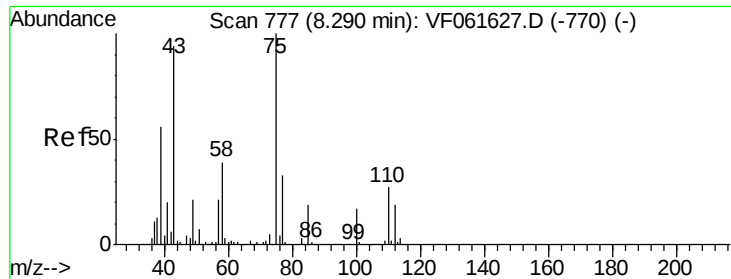
91 164.0 133.9 200.9



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: 46.997 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

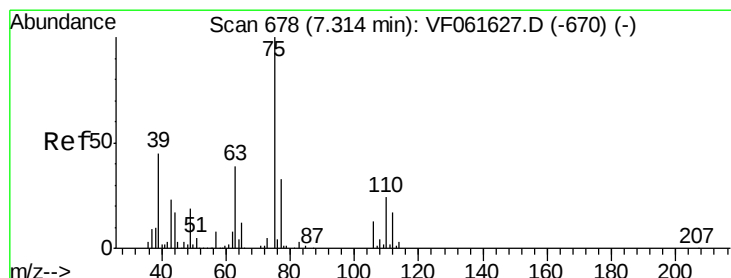
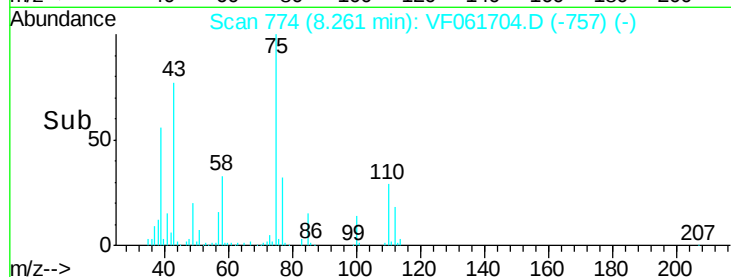
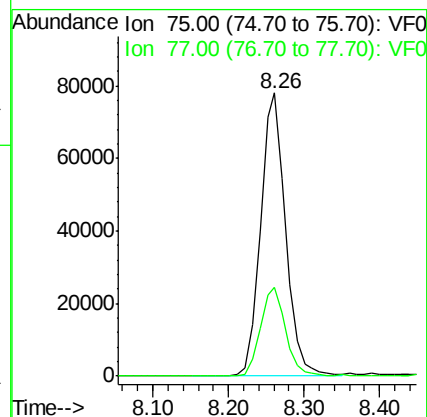
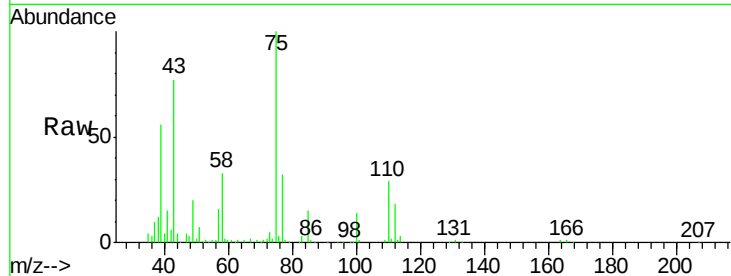
VSTDCCC050

Tot Ion: 75 Resp: 180189

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 51.620 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

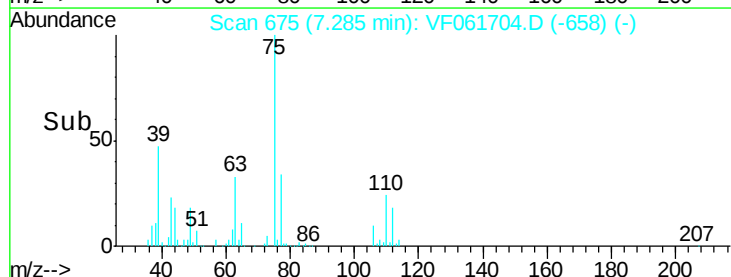
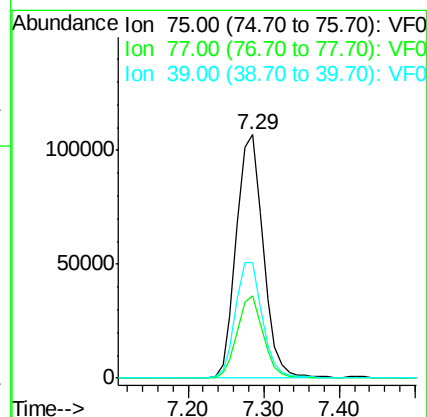
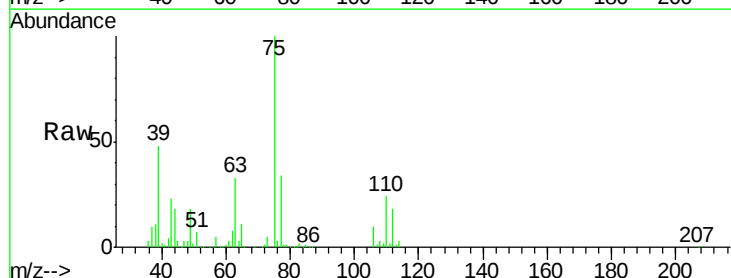
Tgt Ion: 75 Resp: 263623

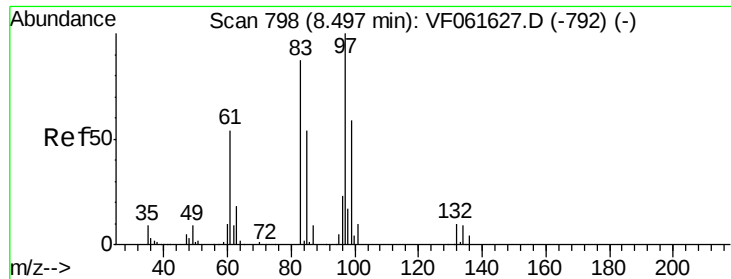
Ion Ratio Lower Upper

75 100

77 33.9 26.4 39.6

39 47.6 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 47.185 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 118845

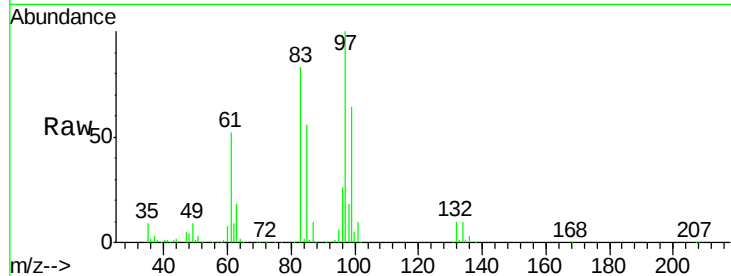
Ion Ratio Lower Upper

97 100

83 83.4 69.2 103.8

85 56.1 43.0 64.4

99 64.1 47.2 70.8

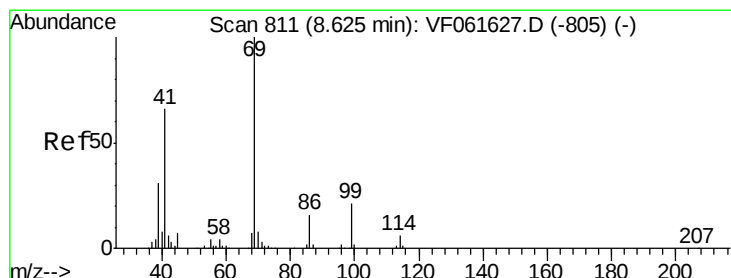
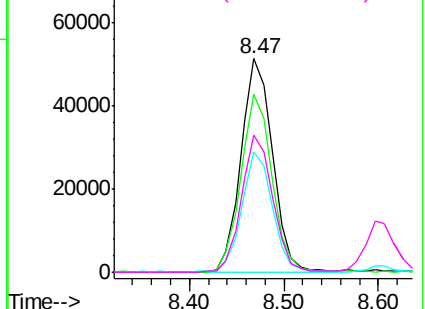
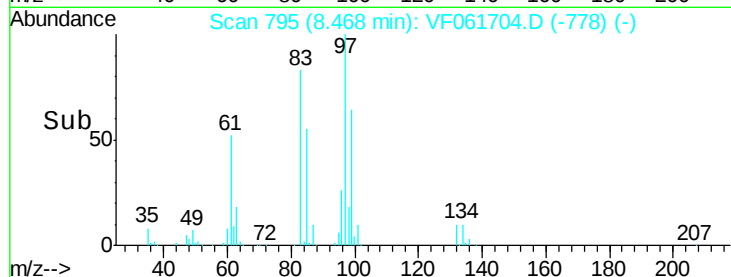


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 47.338 ug/l

RT: 8.60 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

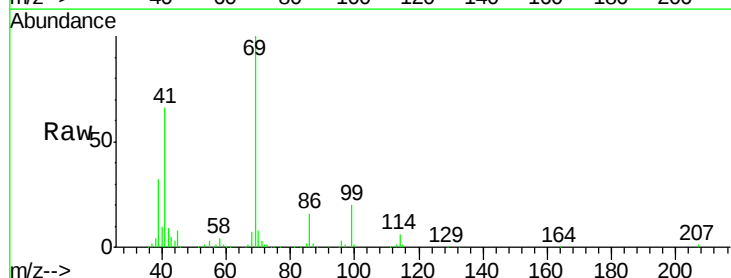
Tgt Ion: 69 Resp: 132747

Ion Ratio Lower Upper

69 100

41 65.6 52.9 79.3

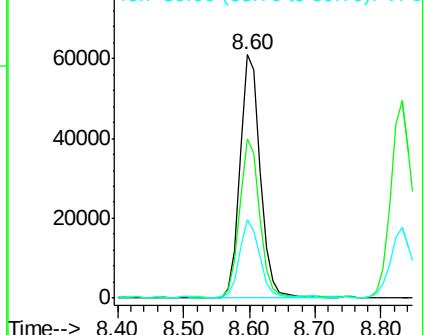
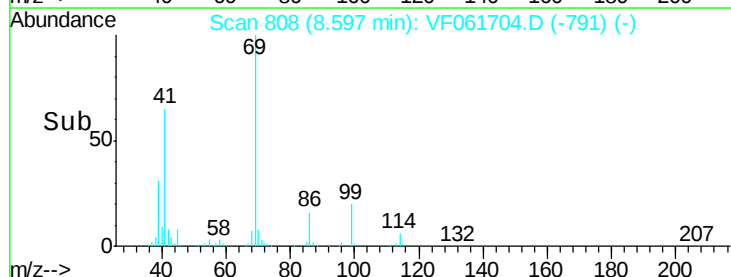
39 32.1 24.5 36.7

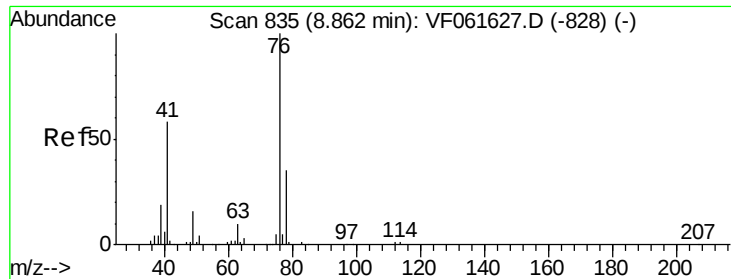


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 45.657 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

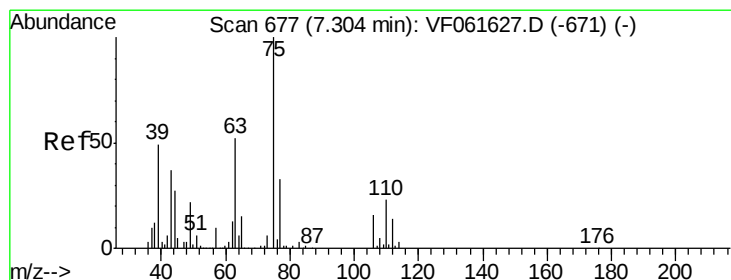
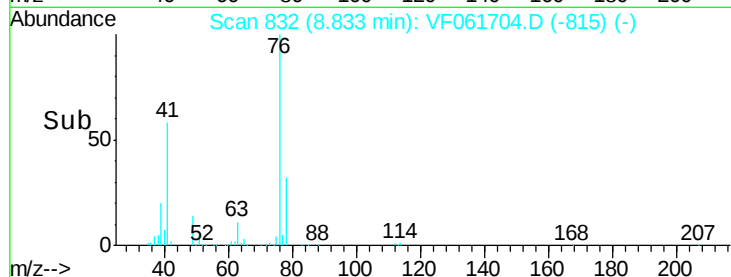
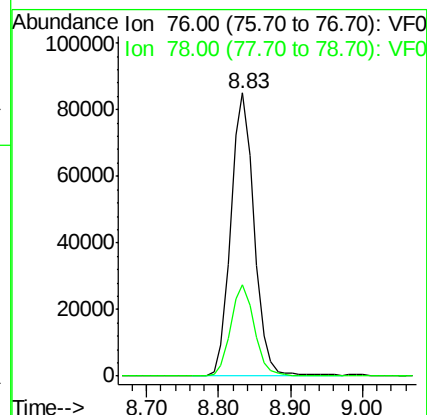
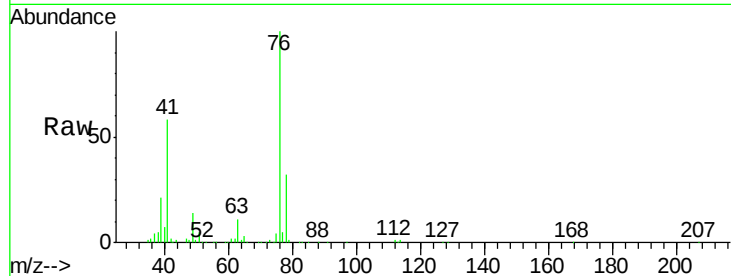
VSTDCCC050

Tot Ion: 76 Resp: 191944

Ion Ratio Lower Upper

76 100

78 32.2 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 194.319 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061704.D

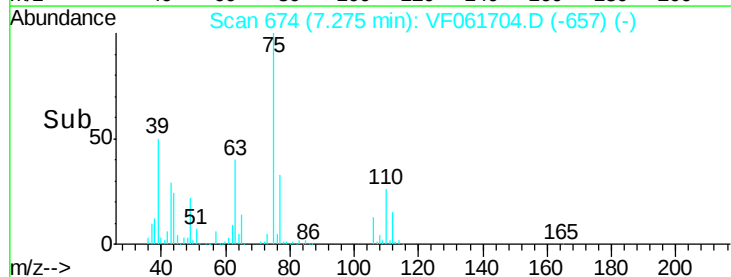
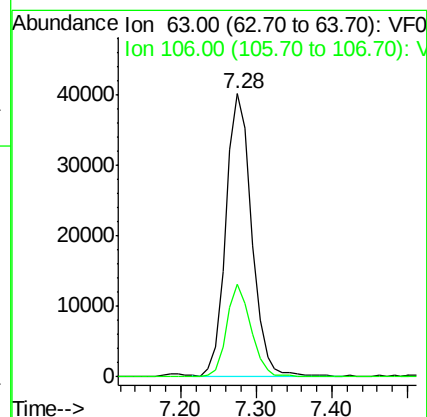
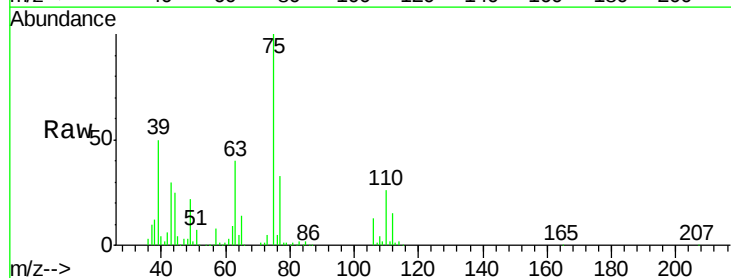
Acq: 22 Feb 2019 12:36

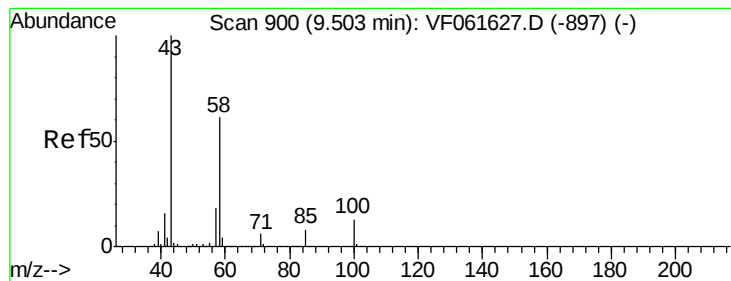
Tgt Ion: 63 Resp: 94018

Ion Ratio Lower Upper

63 100

106 32.5 24.6 36.8





#59

2-Hexanone

Concen: 204.491 ug/l

RT: 9.47 min Scan# 897

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

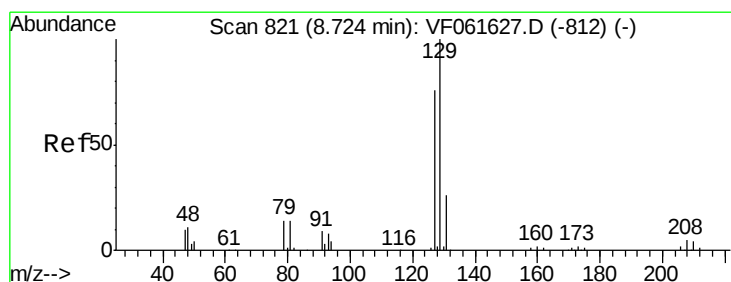
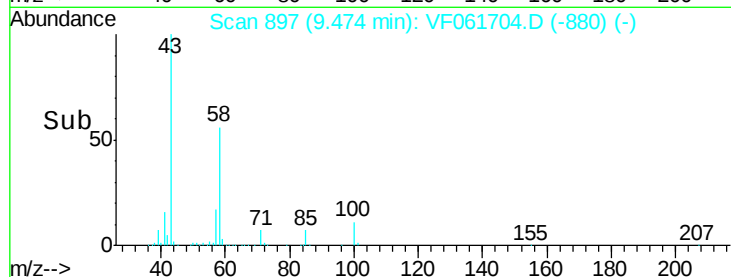
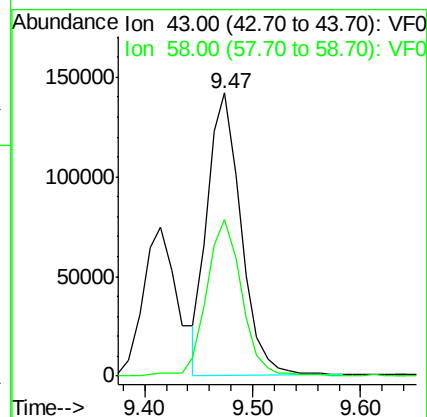
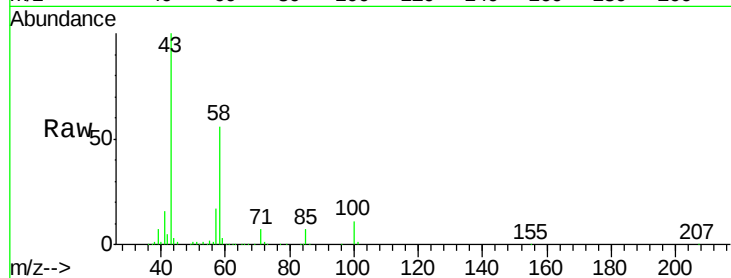
VSTDCCC050

Tot Ion: 43 Resp: 304306

Ion Ratio Lower Upper

43 100

58 55.5 28.5 85.5



#60

Dibromochloromethane

Concen: 48.002 ug/l

RT: 8.70 min Scan# 818

Delta R.T. -0.03 min

Lab File: VF061704.D

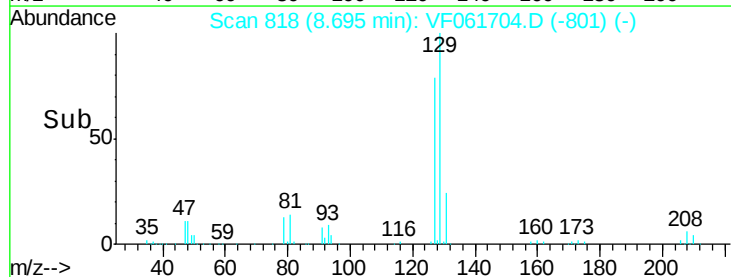
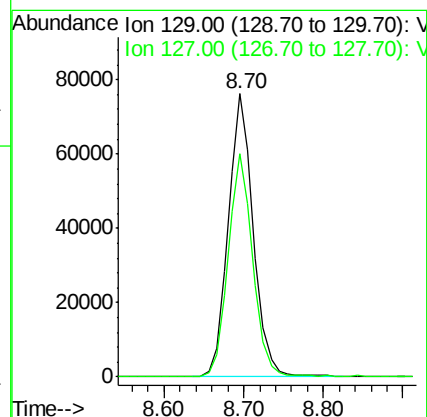
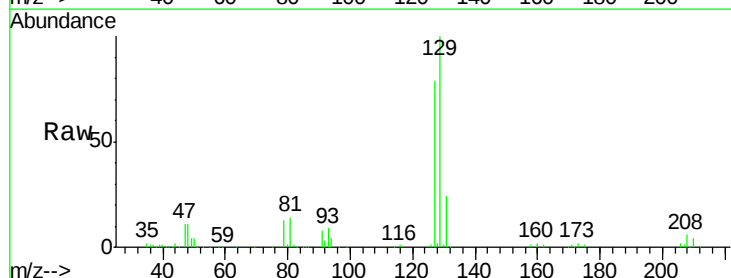
Acq: 22 Feb 2019 12:36

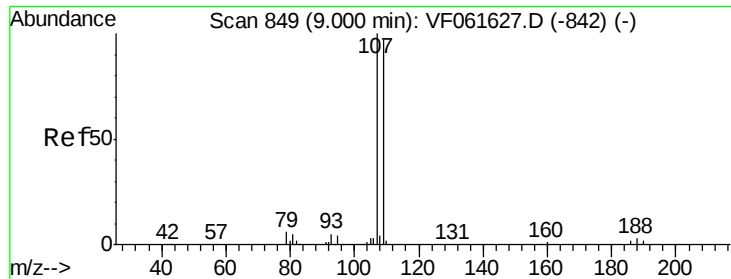
Tgt Ion: 129 Resp: 168282

Ion Ratio Lower Upper

129 100

127 78.7 37.8 113.4





#61

1,2-Dibromoethane

Concen: 47.510 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

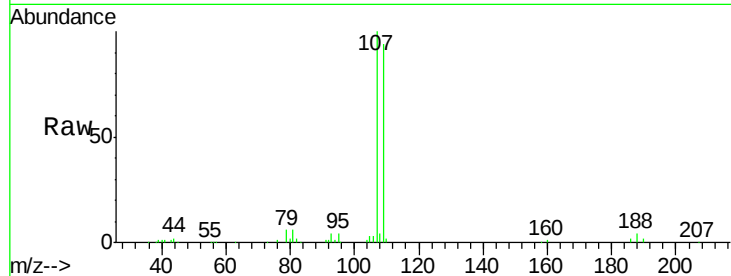
VSTDCCC050

Tot Ion:107 Resp: 129792

Ion Ratio Lower Upper

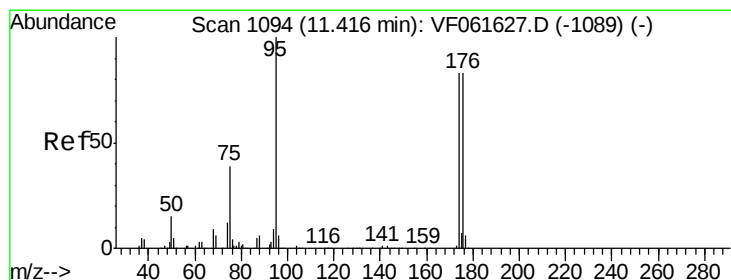
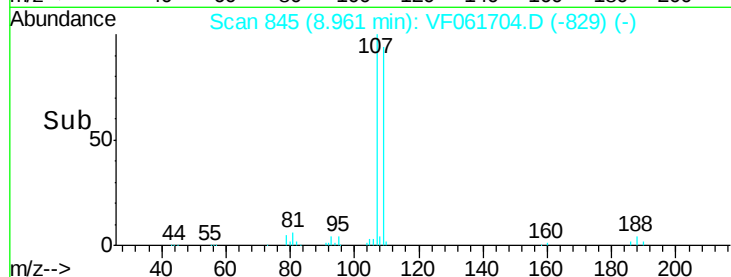
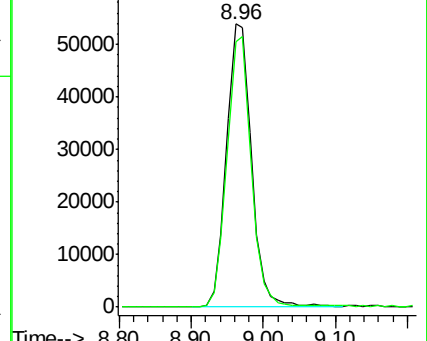
107 100

109 93.6 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.838 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

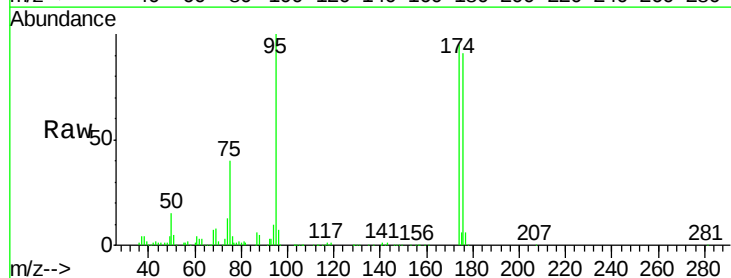
Tgt Ion: 95 Resp: 230125

Ion Ratio Lower Upper

95 100

174 95.1 0.0 165.8

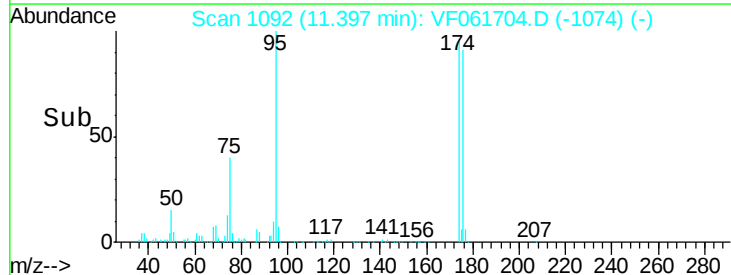
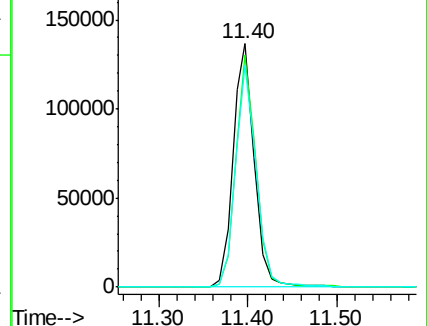
176 91.3 0.0 167.0

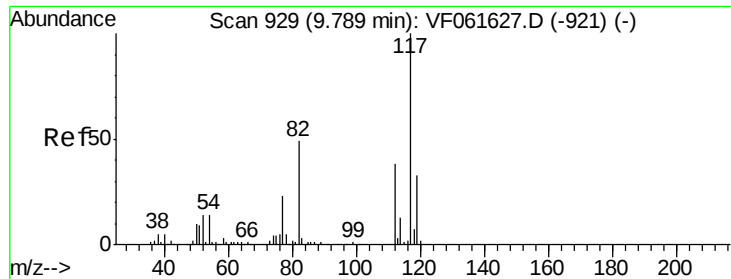


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

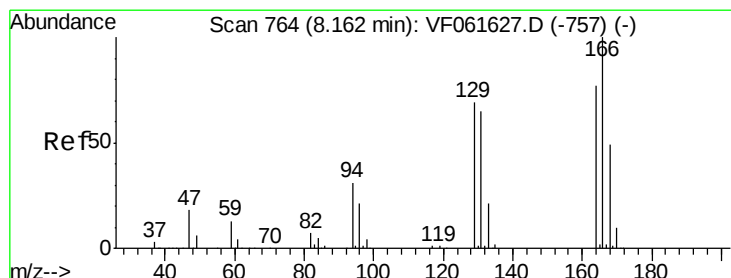
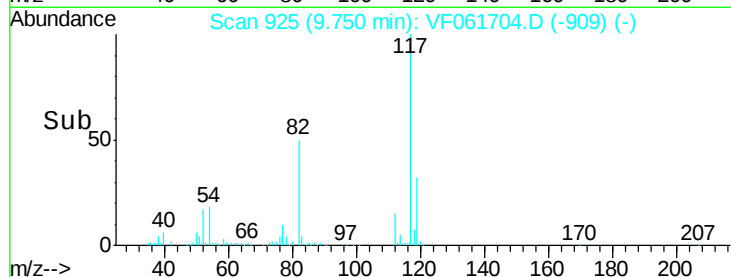
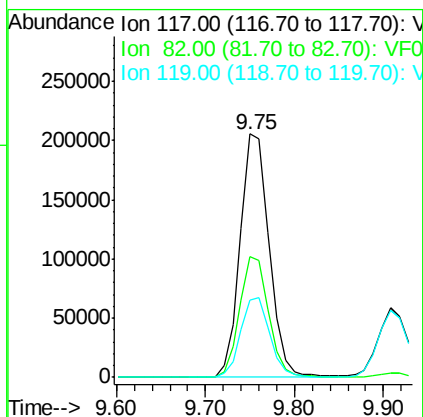
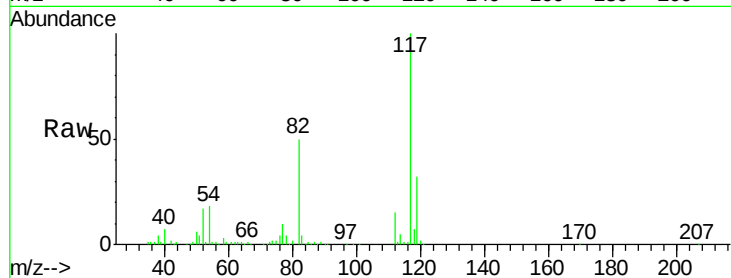




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

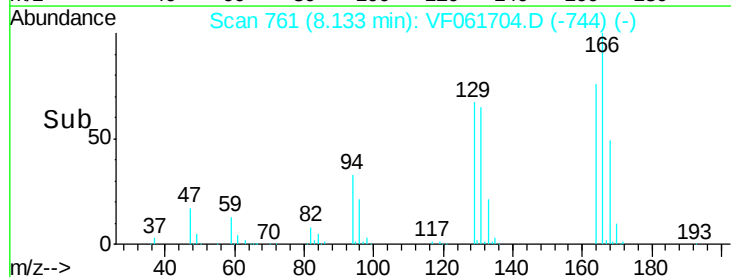
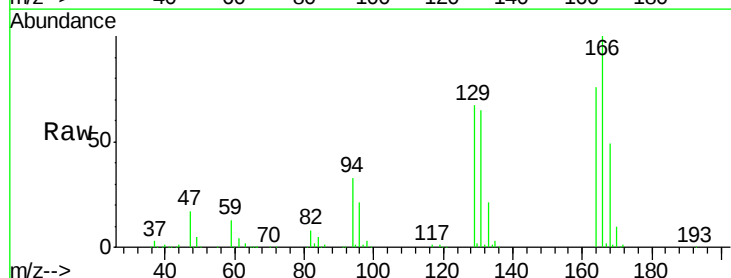
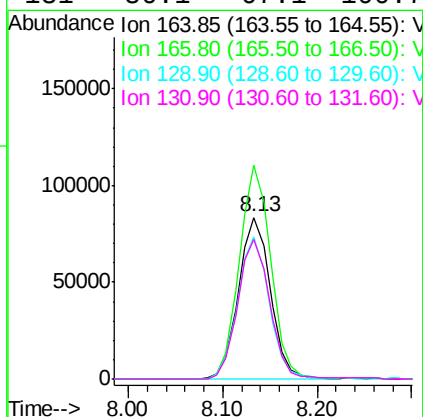
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

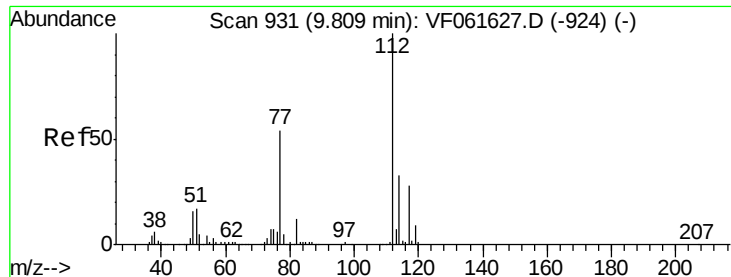
Tot Ion:117 Resp: 466425
Ion Ratio Lower Upper
117 100
82 49.6 39.3 58.9
119 31.5 26.6 40.0



#64
Tetrachloroethene
Concen: 51.178 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion:164 Resp: 195116
Ion Ratio Lower Upper
164 100
166 132.3 103.9 155.9
129 88.4 71.3 106.9
131 86.1 67.1 100.7

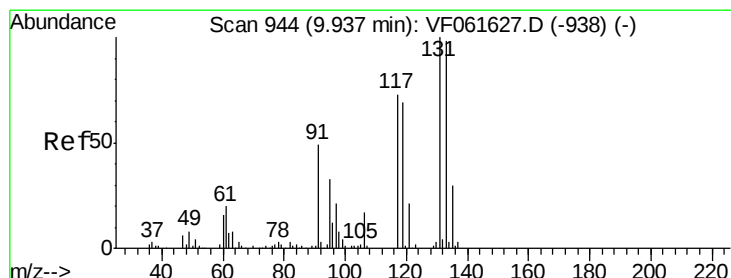
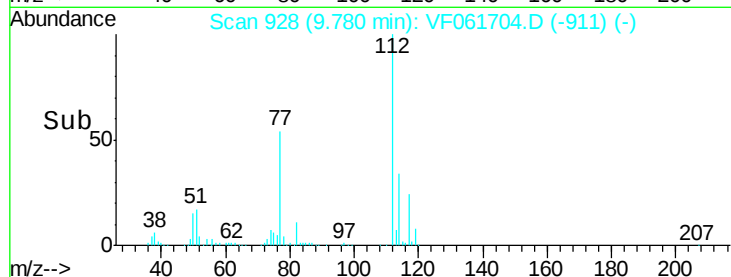
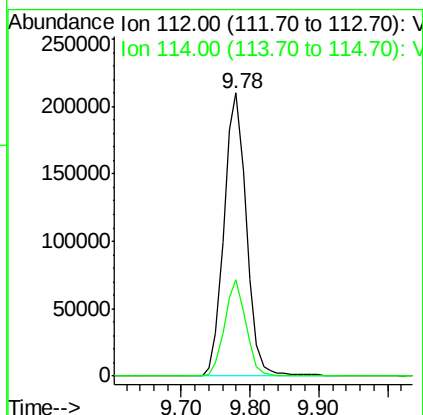
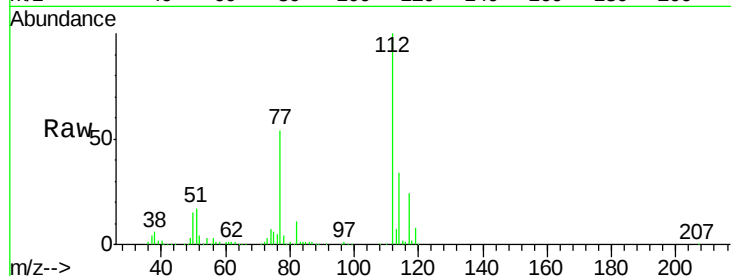




#65
Chlorobenzene
Concen: 50.050 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

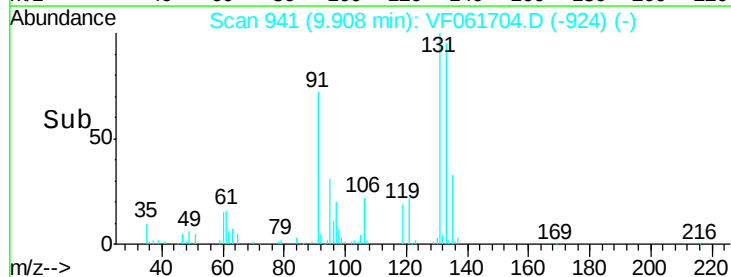
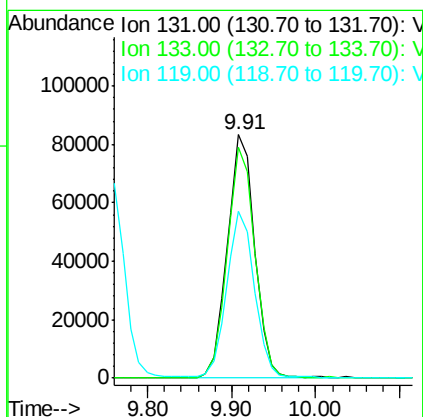
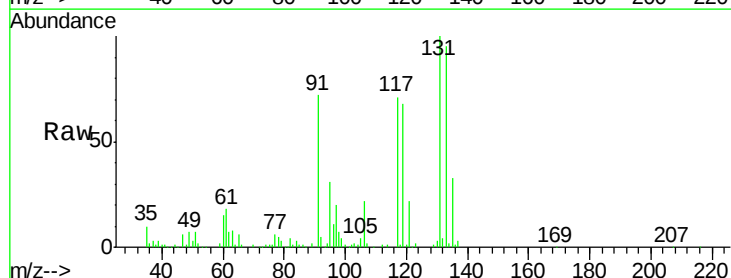
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

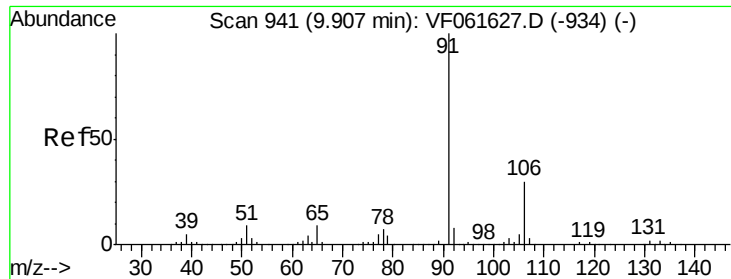
Tot Ion:112 Resp: 473713
Ion Ratio Lower Upper
112 100
114 34.0 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.978 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion:131 Resp: 189066
Ion Ratio Lower Upper
131 100
133 94.6 48.9 146.6
119 68.4 34.8 104.3

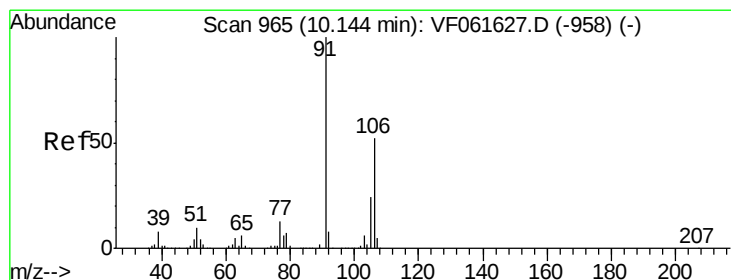
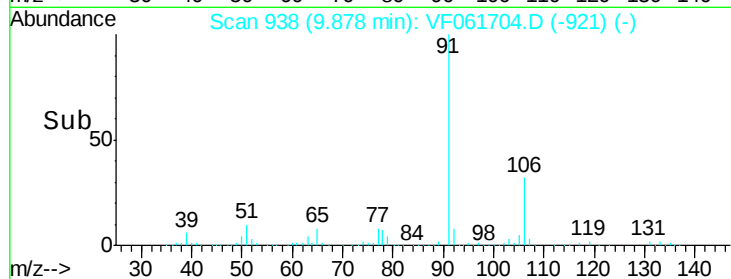
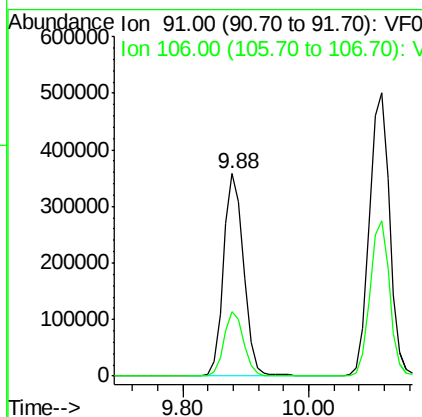
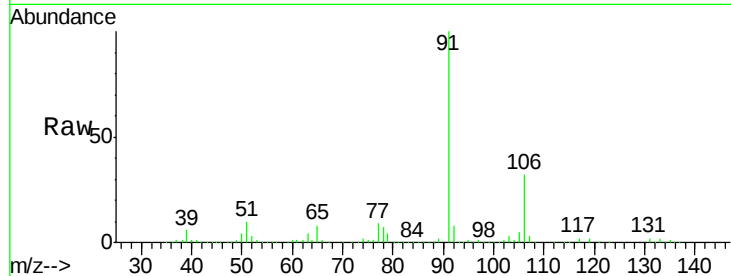




#67
Ethyl Benzene
Concen: 50.742 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

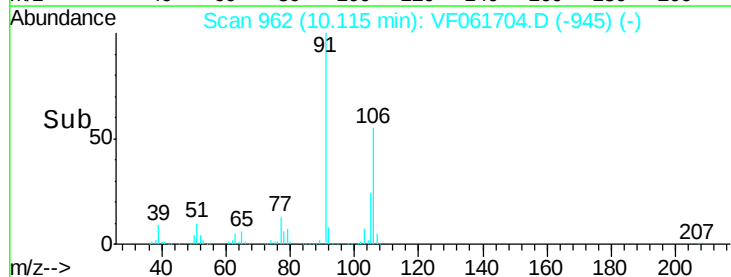
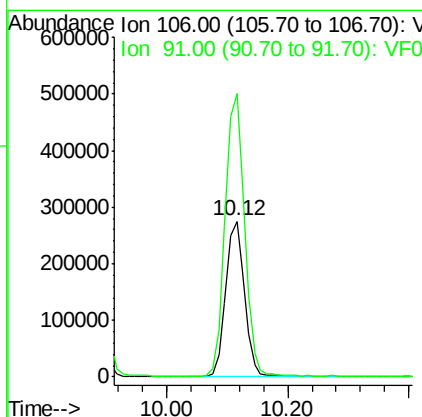
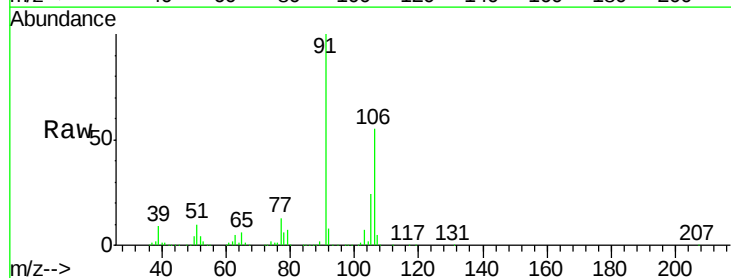
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

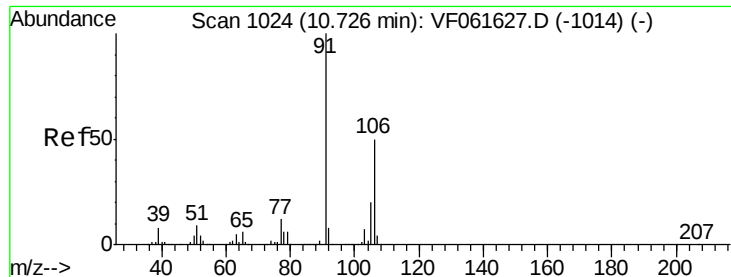
Tot Ion: 91 Resp: 798680
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1



#68
m/p-Xylenes
Concen: 99.668 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion: 106 Resp: 600389
Ion Ratio Lower Upper
106 100
91 181.8 153.0 229.6

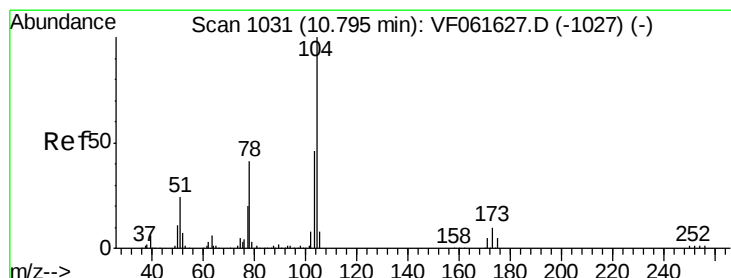
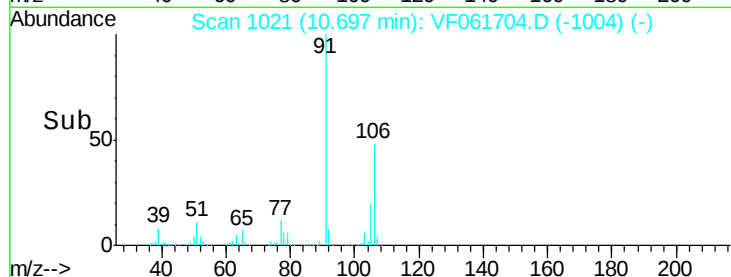
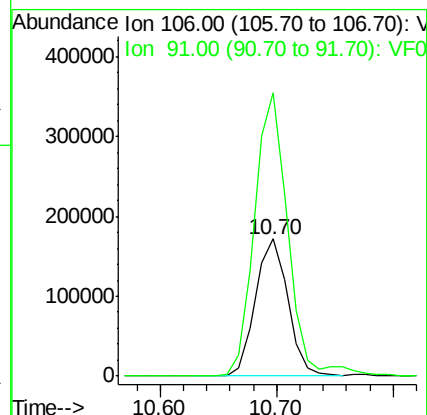
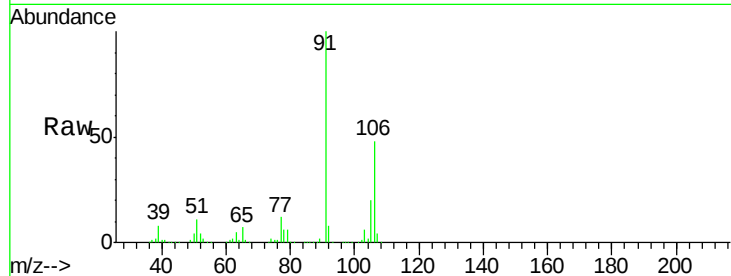




#69
o-Xylene
Concen: 51.618 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

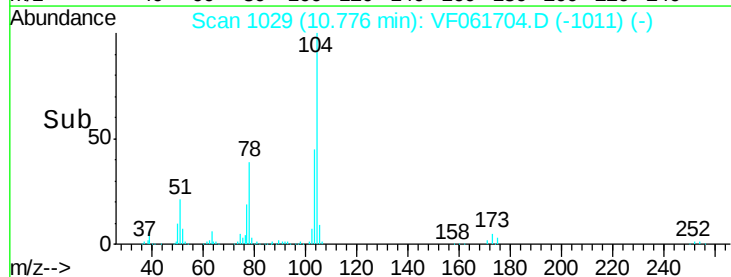
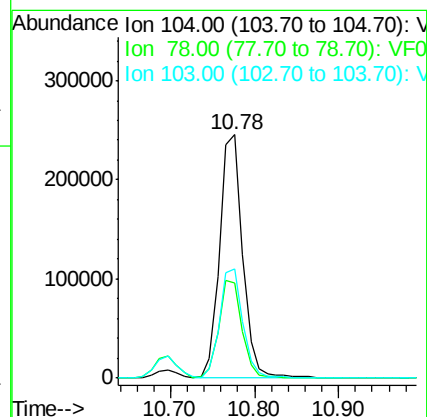
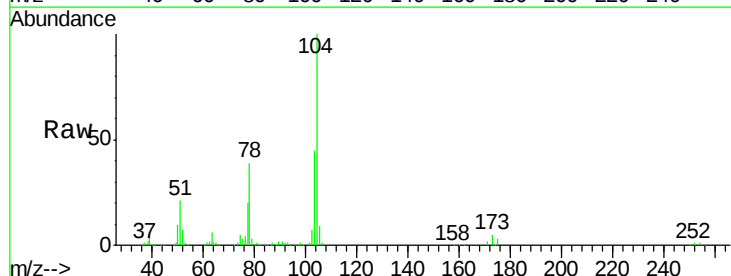
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

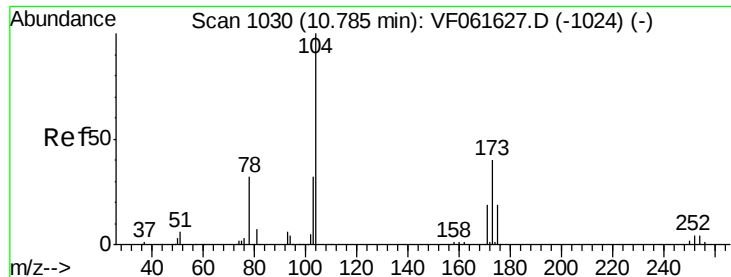
Tot Ion:106 Resp: 331789
Ion Ratio Lower Upper
106 100
91 206.7 100.1 300.1



#70
Styrene
Concen: 51.183 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion:104 Resp: 465423
Ion Ratio Lower Upper
104 100
78 39.2 33.2 49.8
103 45.0 37.2 55.8





#71

Bromoform

Concen: 47.002 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

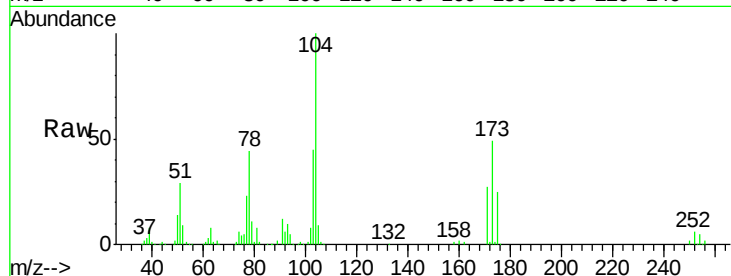
Tot Ion:173 Resp: 94659

Ion Ratio Lower Upper

173 100

175 50.4 24.0 72.0

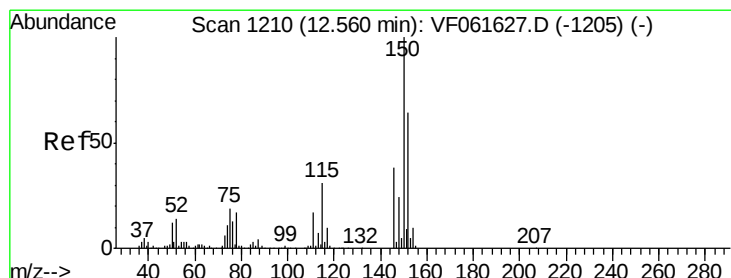
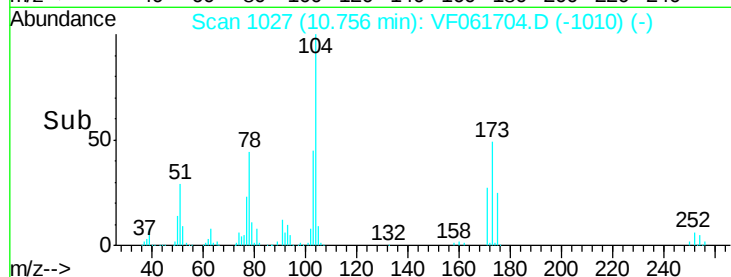
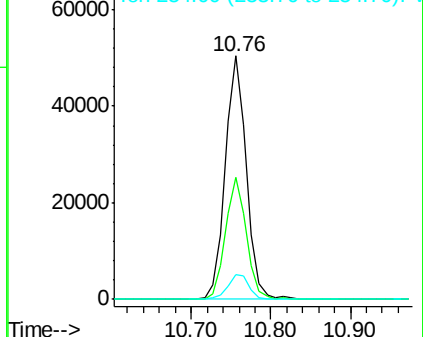
254 10.3 8.2 12.2



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: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

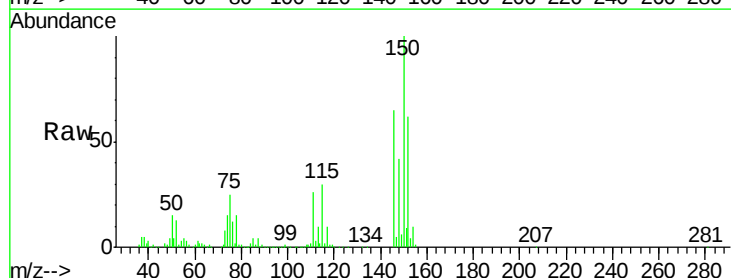
Tgt Ion:152 Resp: 252688

Ion Ratio Lower Upper

152 100

115 48.2 24.3 72.8

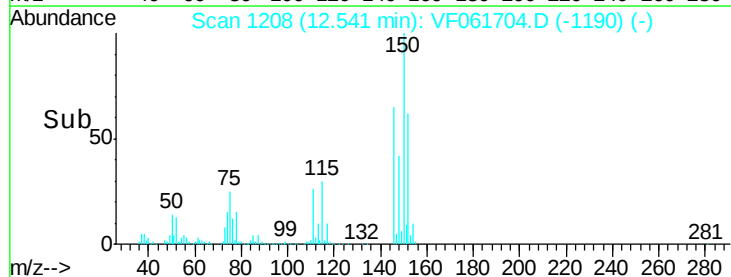
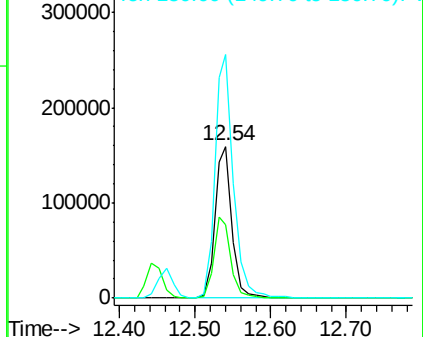
150 160.7 0.0 312.0

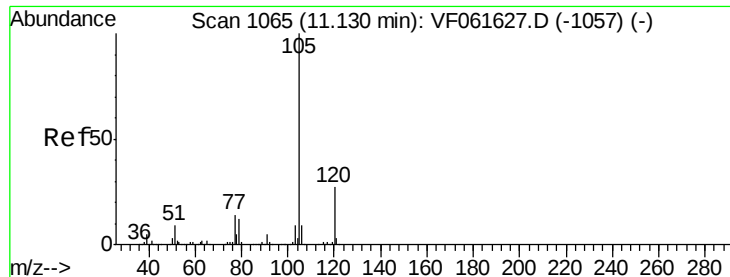


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.055 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

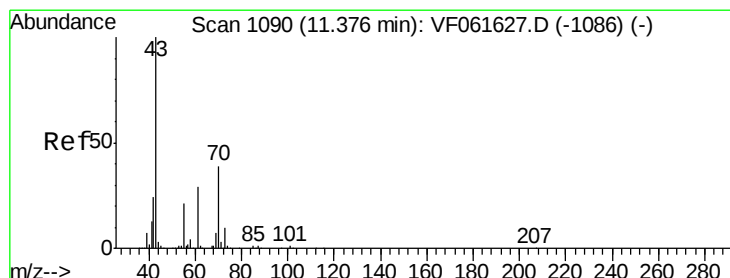
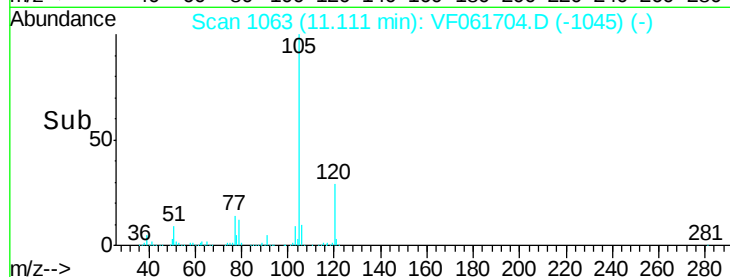
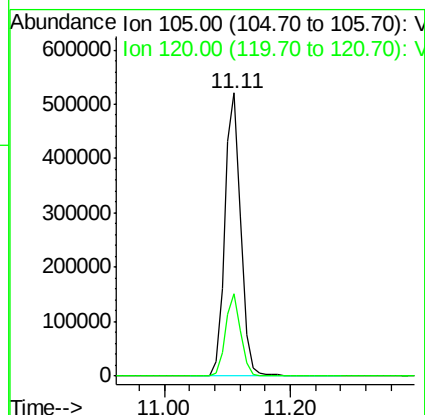
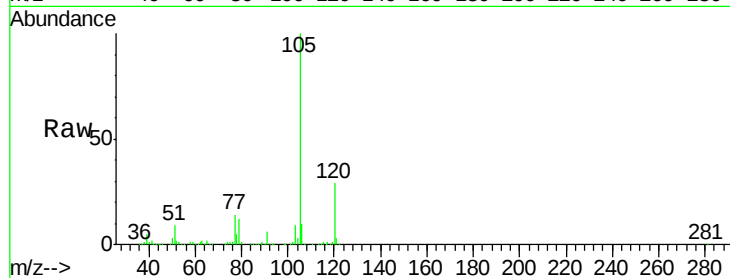
VSTDCCC050

Tot Ion:105 Resp: 918532

Ion Ratio Lower Upper

105 100

120 29.2 13.4 40.1



#74

N-ethyl acetate

Concen: 45.131 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Tgt Ion: 43 Resp: 194887

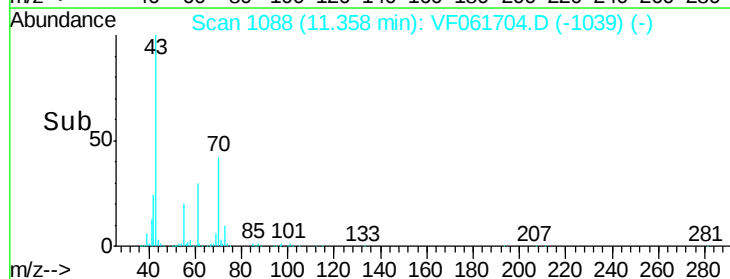
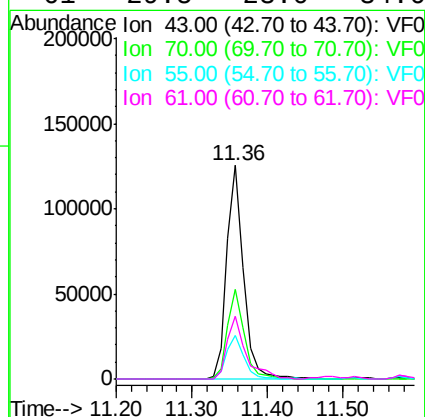
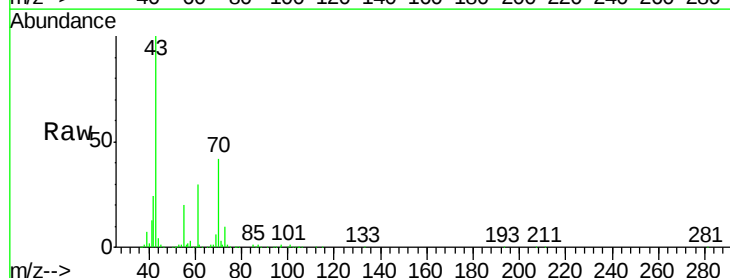
Ion Ratio Lower Upper

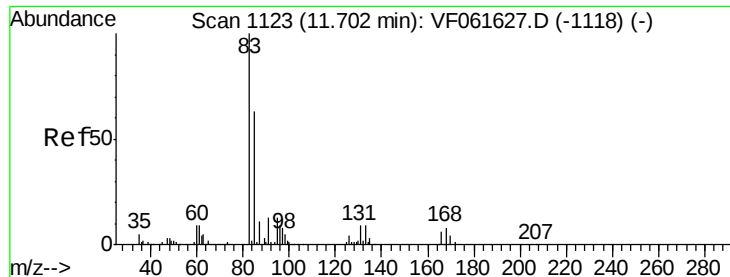
43 100

70 41.9 31.5 47.3

55 20.2 16.7 25.1

61 29.5 23.0 34.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.127 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

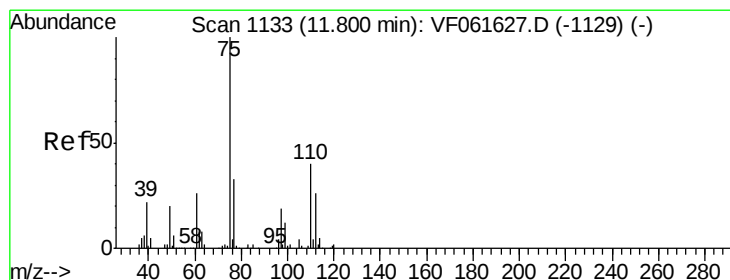
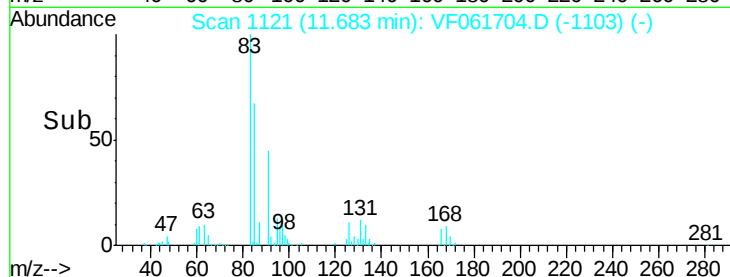
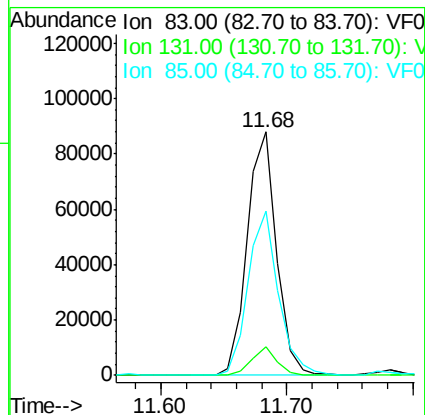
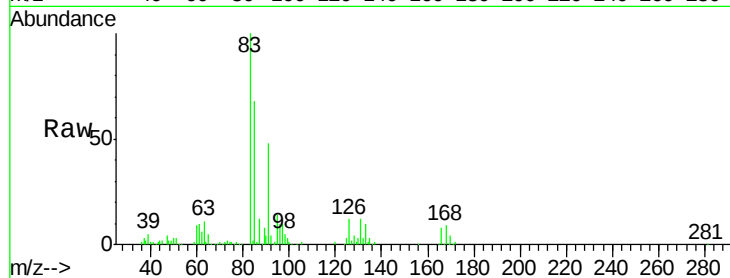
Tot Ion: 83 Resp: 142228

Ion Ratio Lower Upper

83 100

131 11.7 4.4 13.2

85 67.5 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 45.280 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061704.D

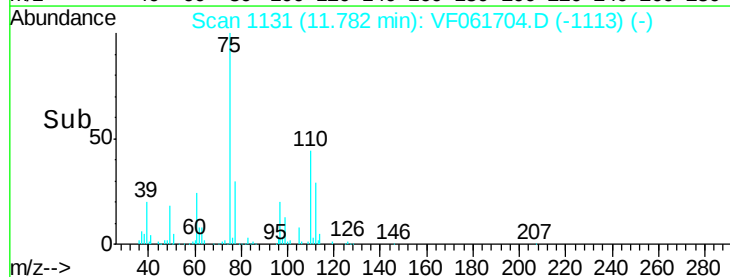
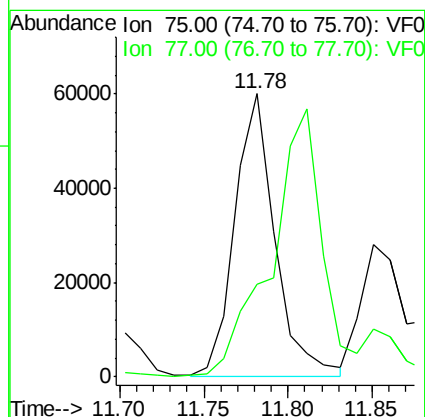
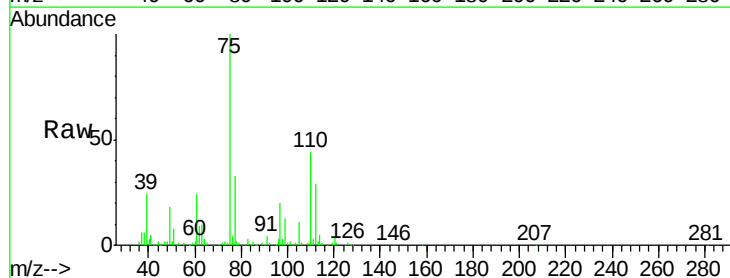
Acq: 22 Feb 2019 12:36

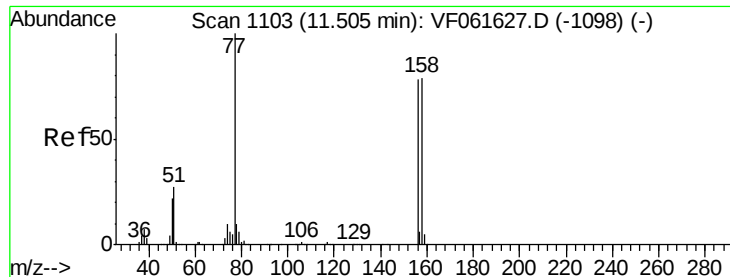
Tgt Ion: 75 Resp: 99226

Ion Ratio Lower Upper

75 100

77 32.8 16.6 49.7





#77

Bromobenzene

Concen: 50.700 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

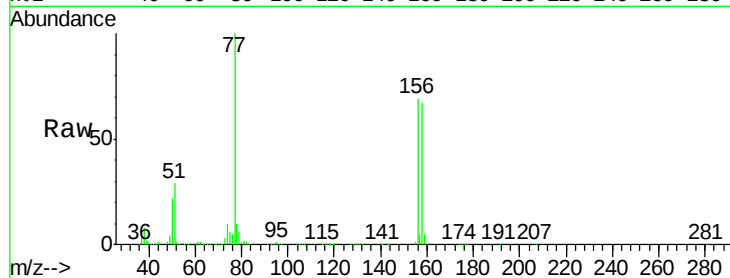
Tot Ion:156 Resp: 225339

Ion Ratio Lower Upper

156 100

77 144.0 64.3 192.7

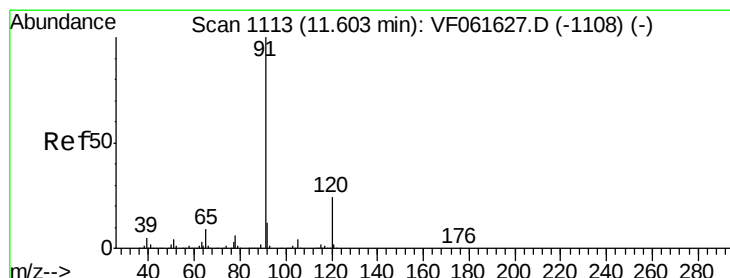
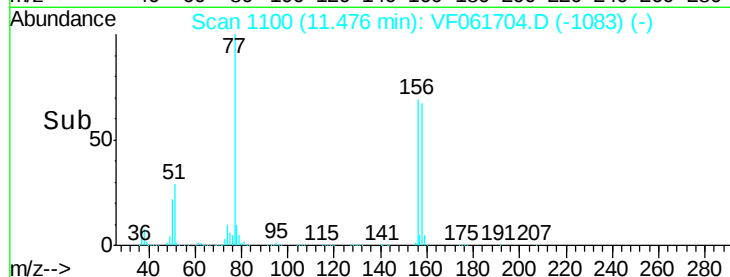
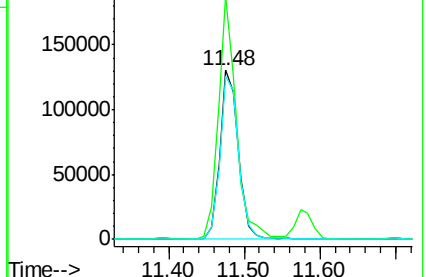
158 96.7 50.9 152.7



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: 49.746 ug/l

RT: 11.57 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF061704.D

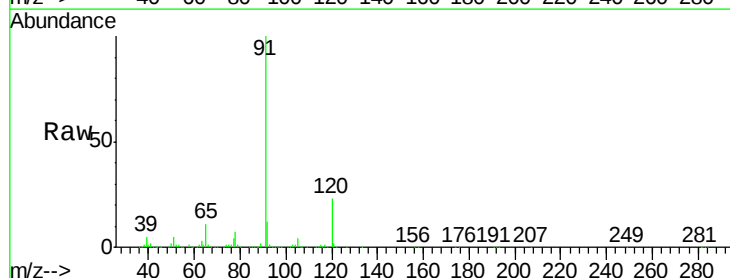
Acq: 22 Feb 2019 12:36

Tgt Ion: 91 Resp: 1027015

Ion Ratio Lower Upper

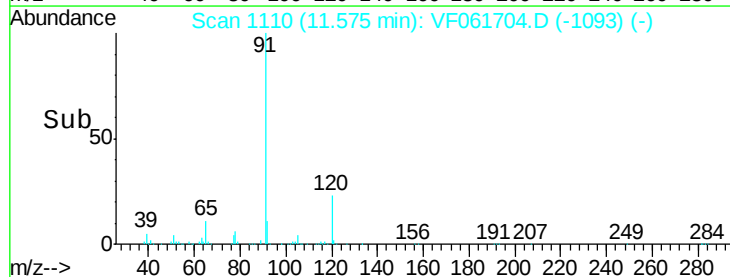
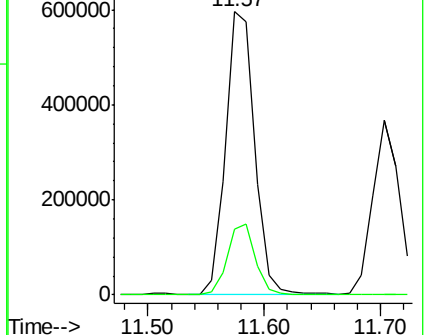
91 100

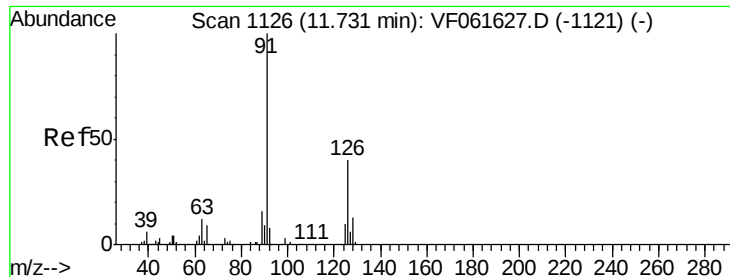
120 23.4 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.135 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

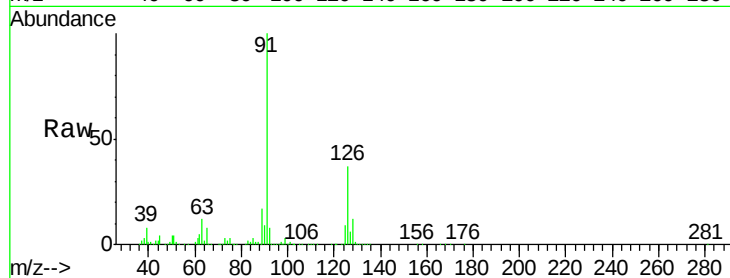
VSTDCCC050

Tot Ion: 91 Resp: 579675

Ion Ratio Lower Upper

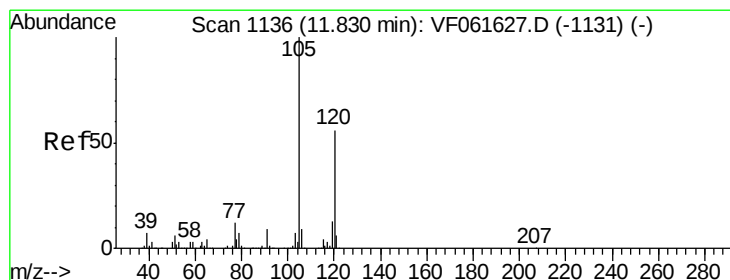
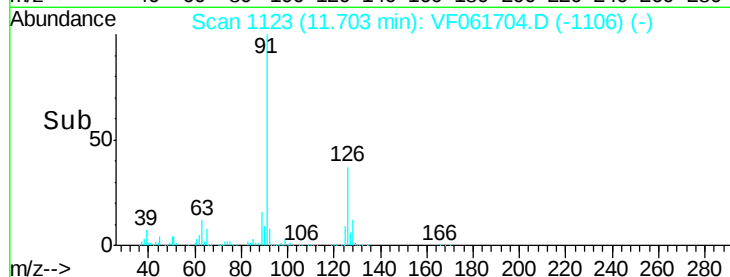
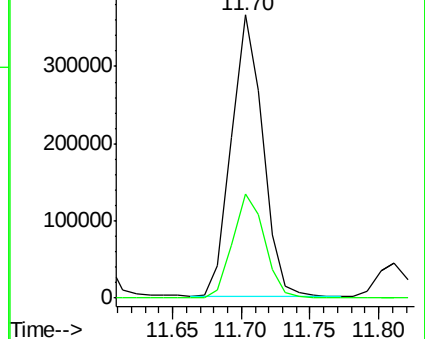
91 100

126 36.9 19.8 59.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 50.290 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061704.D

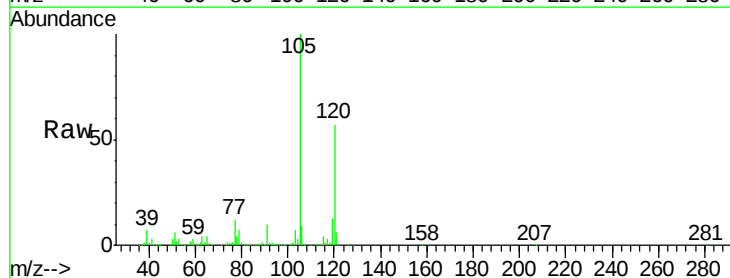
Acq: 22 Feb 2019 12:36

Tgt Ion: 105 Resp: 723128

Ion Ratio Lower Upper

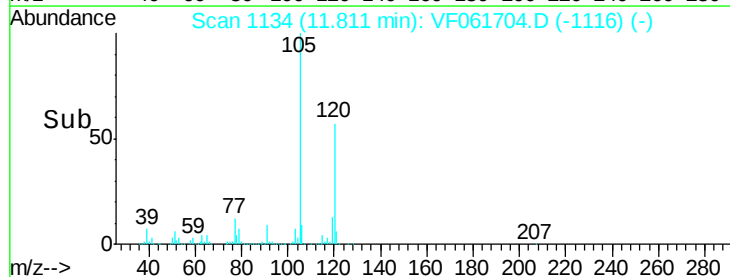
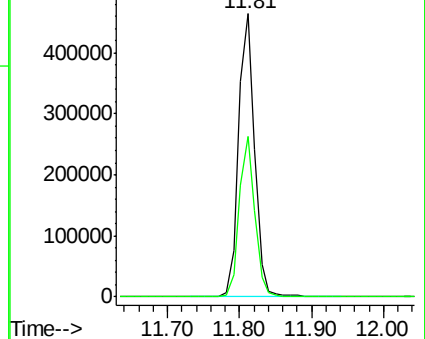
105 100

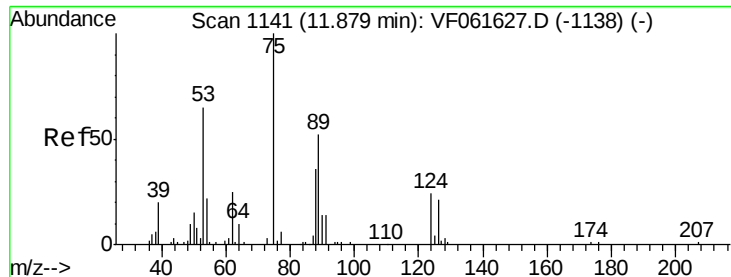
120 56.9 27.9 83.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 59.123 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

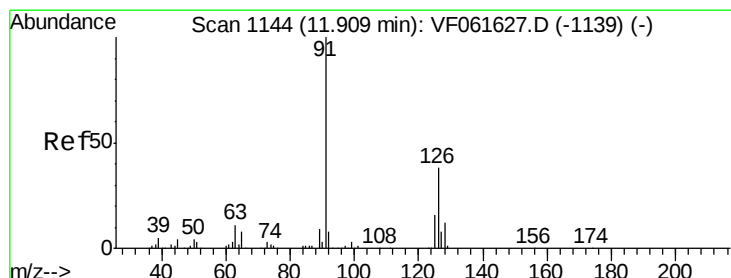
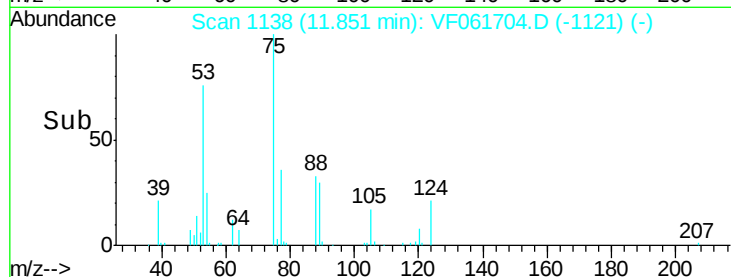
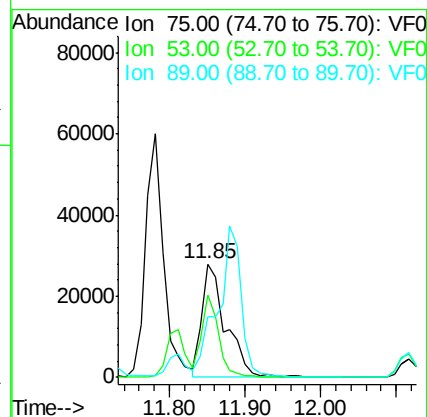
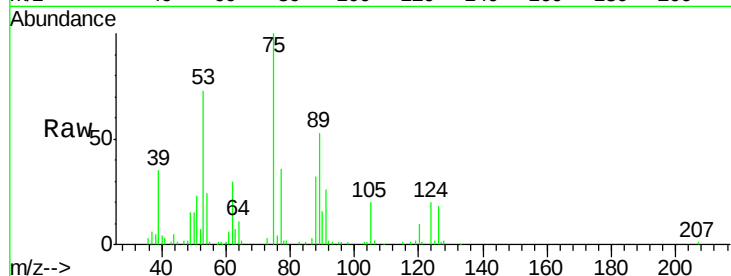
Tot Ion: 75 Resp: 62113

Ion	Ratio	Lower	Upper
75	100		
53	72.5	53.7	80.5
89	53.3	41.6	62.4

75 100

53 72.5 53.7 80.5

89 53.3 41.6 62.4



#82

4-Chlorotoluene

Concen: 50.084 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF061704.D

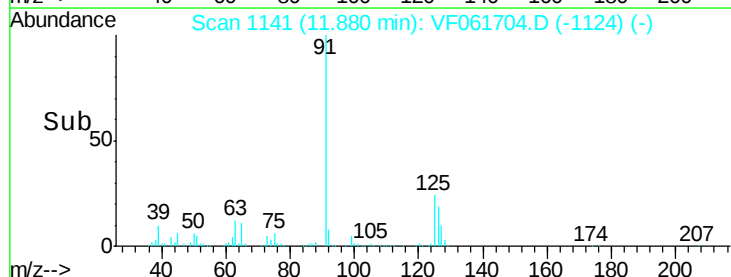
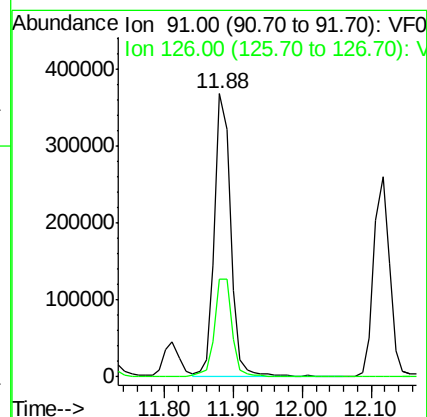
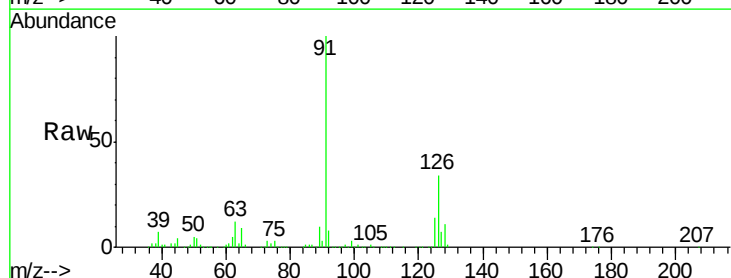
Acq: 22 Feb 2019 12:36

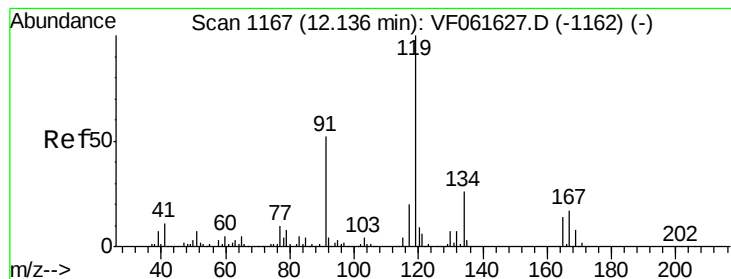
Tgt Ion: 91 Resp: 601062

Ion	Ratio	Lower	Upper
91	100		
126	34.5	19.1	57.1

91 100

126 34.5 19.1 57.1





#83

tert-Butylbenzene

Concen: 49.102 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

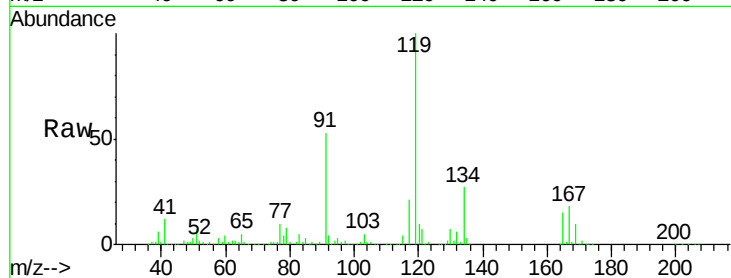
Tot Ion:119 Resp: 782018

Ion Ratio Lower Upper

119 100

91 53.0 26.3 78.8

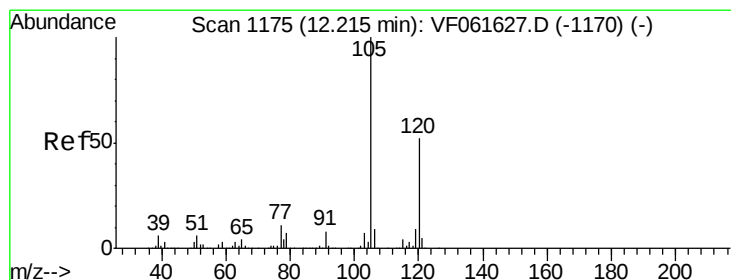
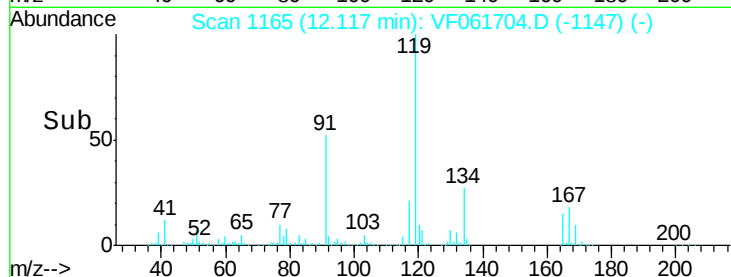
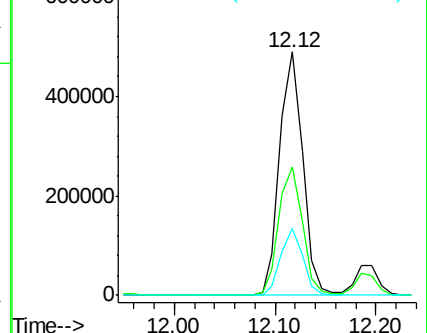
134 27.5 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.885 ug/l

RT: 12.19 min Scan# 1172

Delta R.T. -0.03 min

Lab File: VF061704.D

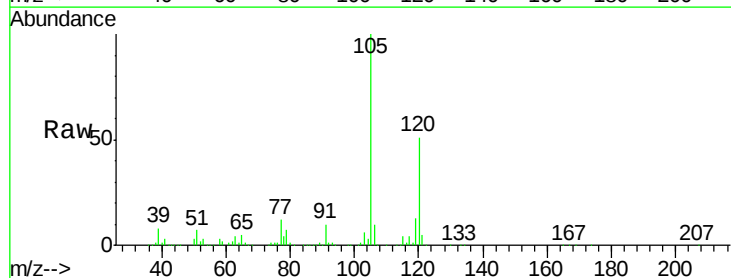
Acq: 22 Feb 2019 12:36

Tgt Ion:105 Resp: 726909

Ion Ratio Lower Upper

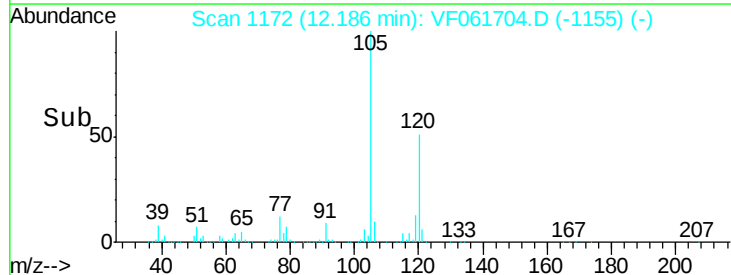
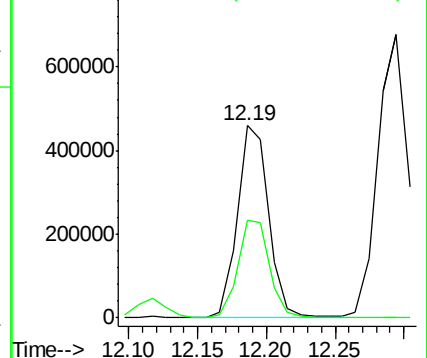
105 100

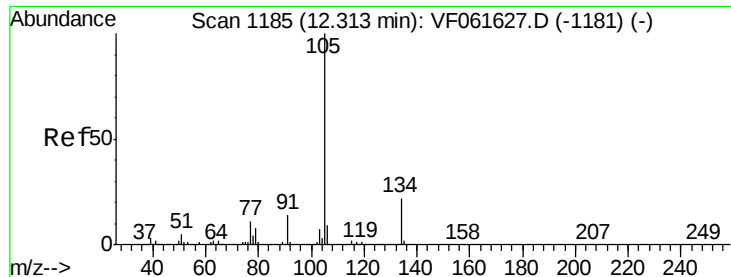
120 51.1 26.1 78.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.032 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

Instrument :

MSVOA_F

ClientSampleId :

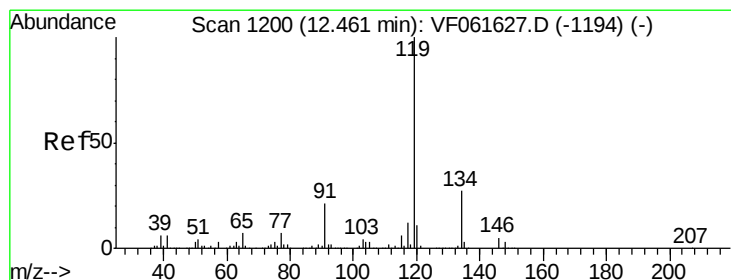
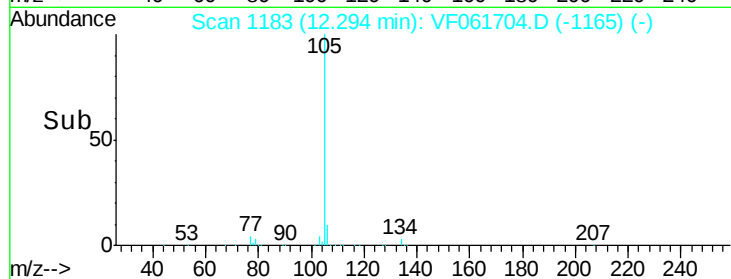
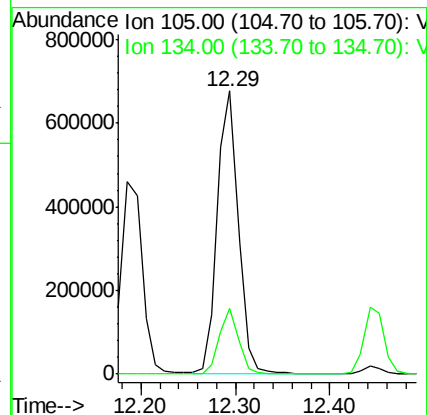
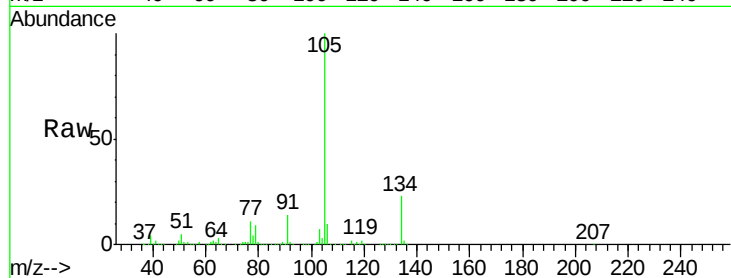
VSTDCCC050

Tot Ion:105 Resp: 1051028

Ion Ratio Lower Upper

105 100

134 23.2 10.8 32.4



#86

p-Isopropyltoluene

Concen: 51.313 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061704.D

Acq: 22 Feb 2019 12:36

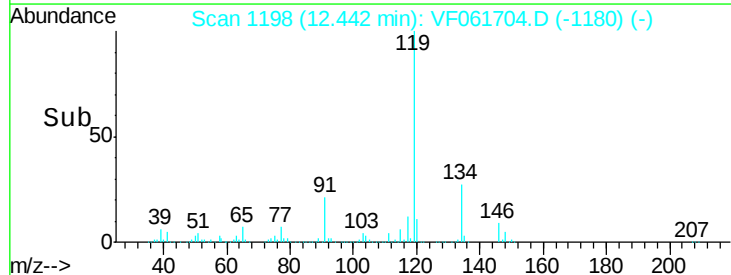
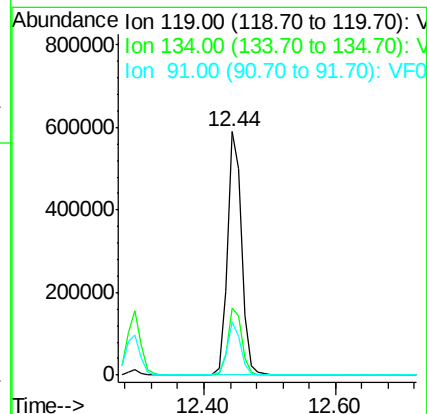
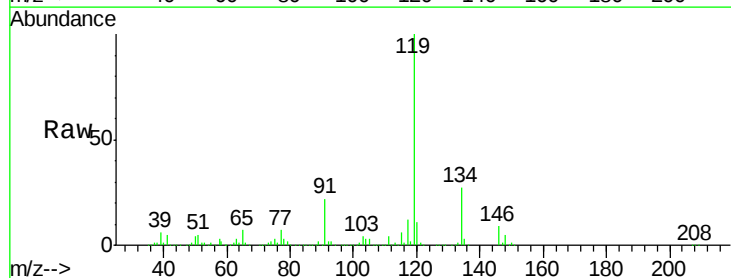
Tgt Ion:119 Resp: 886921

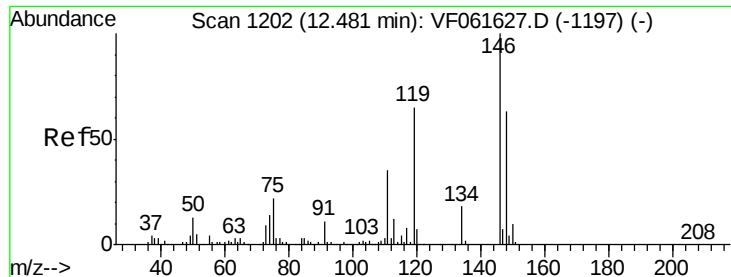
Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 21.7 10.8 32.4

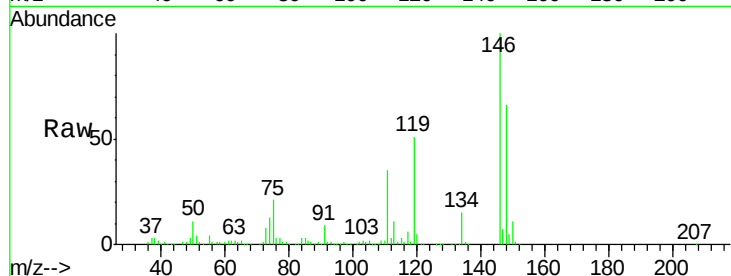




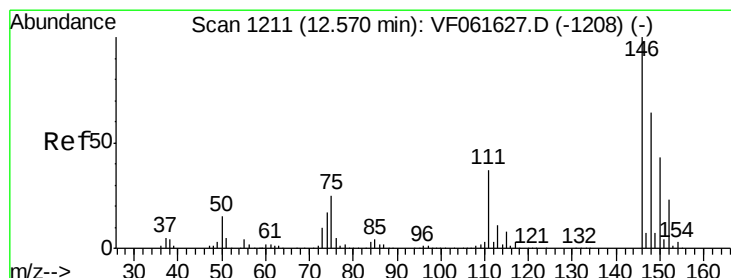
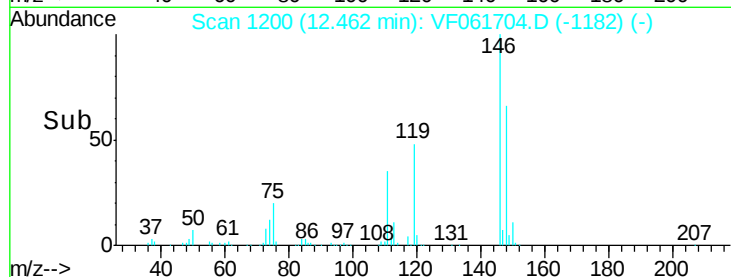
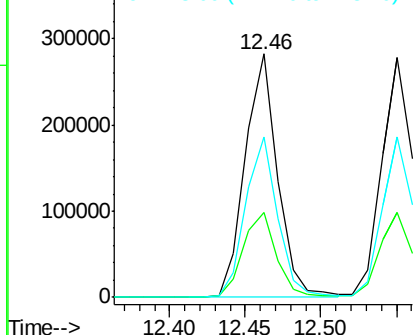
#87
 1,3-Dichlorobenzene
 Concen: 48.885 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 423575
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.5 52.6
 148 66.1 31.4 94.3

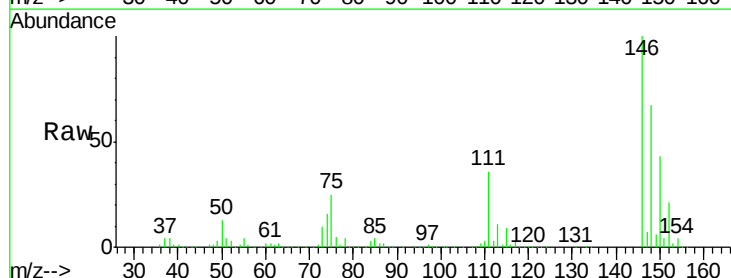


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

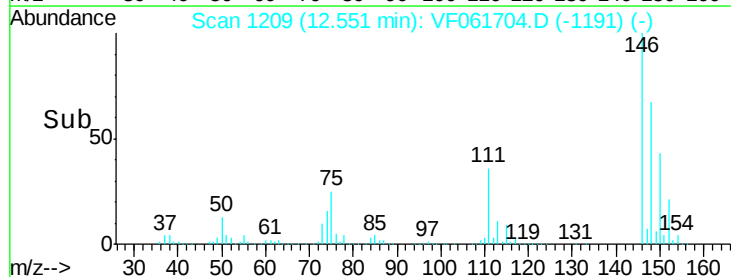
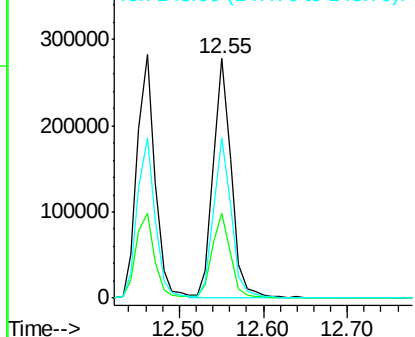


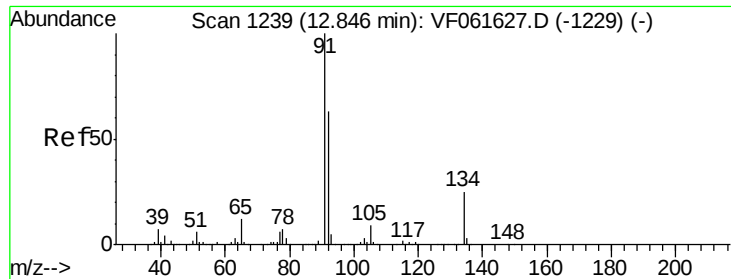
#88
 1,4-Dichlorobenzene
 Concen: 50.252 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion:146 Resp: 418750
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.4 55.4
 148 67.2 32.2 96.6



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

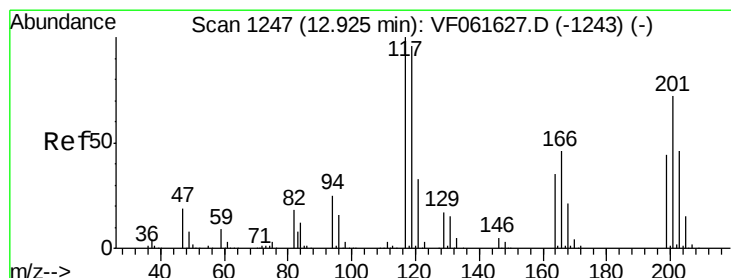
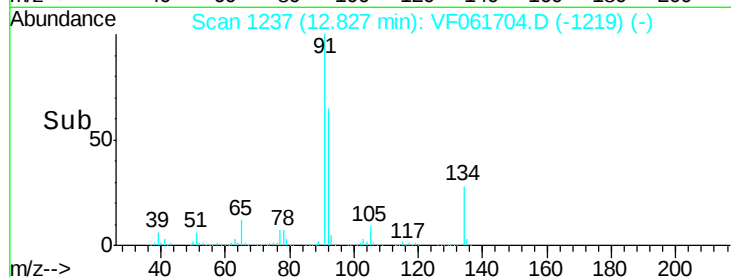
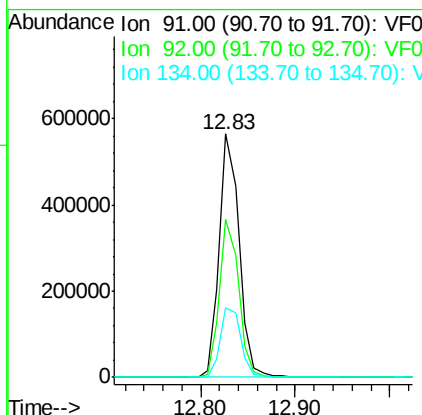
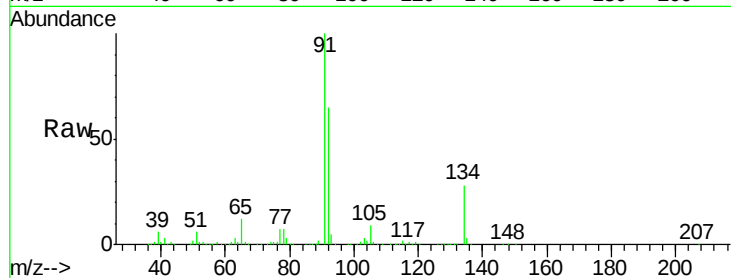




#89
n-Butylbenzene
Concen: 50.394 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

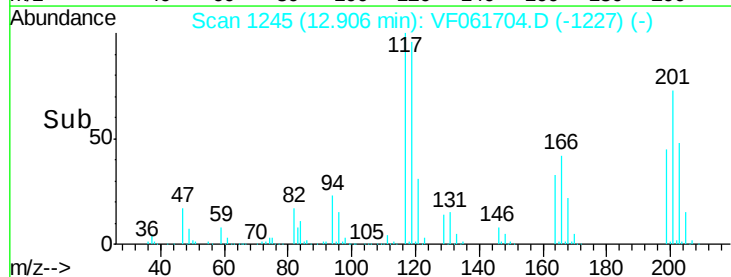
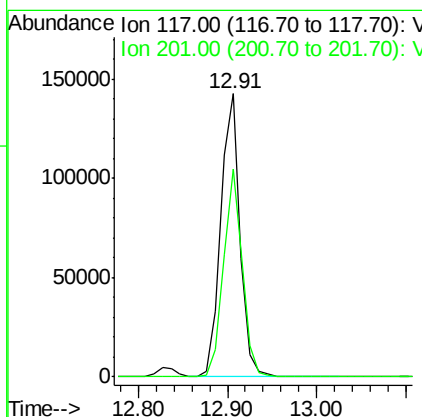
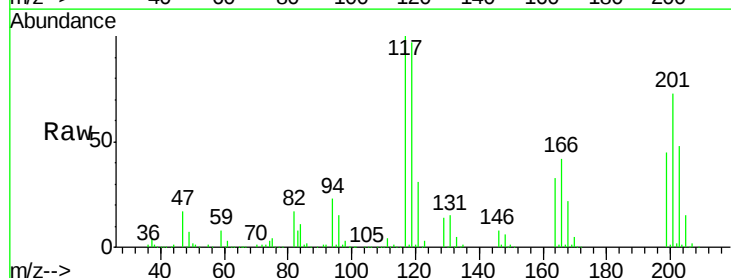
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

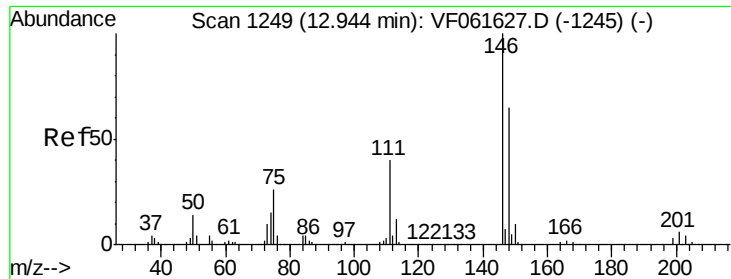
Tot Ion: 91 Resp: 822500
Ion Ratio Lower Upper
91 100
92 64.7 31.4 94.3
134 28.5 12.3 36.9



#90
Hexachloroethane
Concen: 54.117 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion: 117 Resp: 217545
Ion Ratio Lower Upper
117 100
201 73.2 36.2 108.6

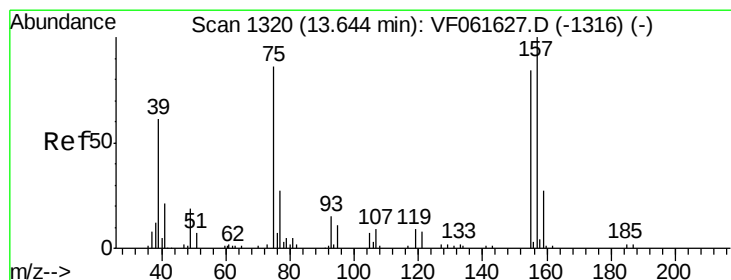
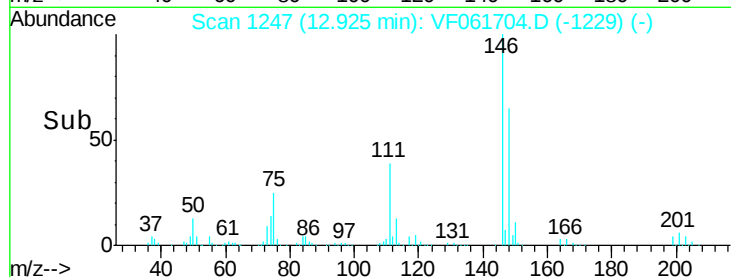
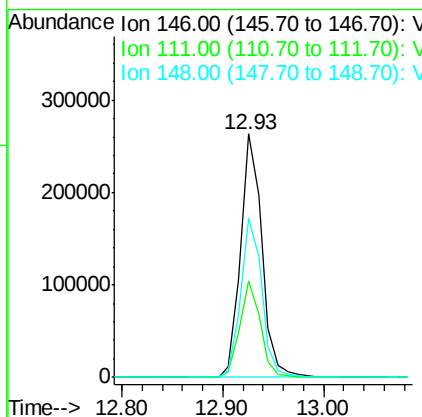
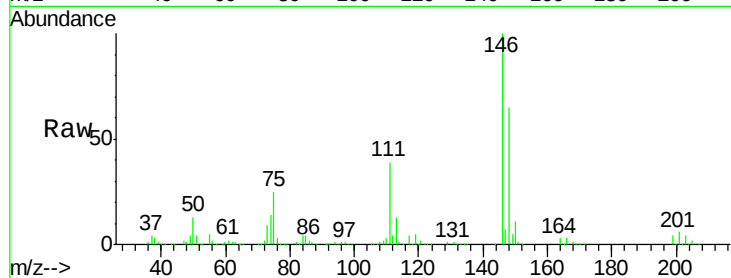




#91
 1,2-Dichlorobenzene
 Concen: 46.886 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

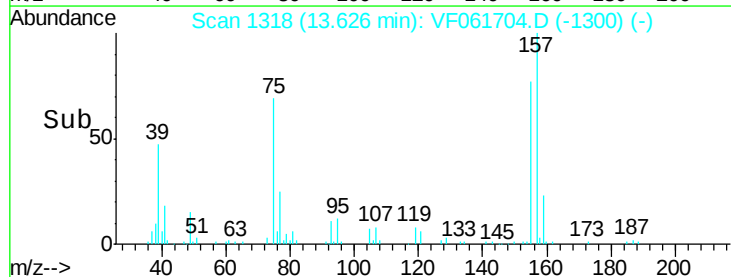
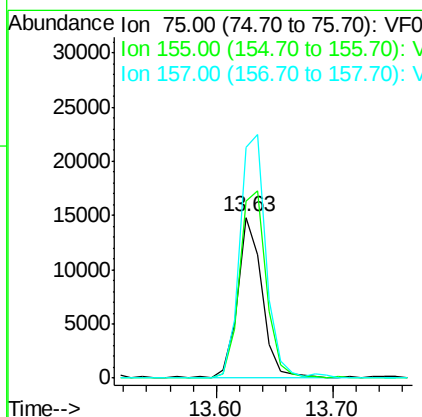
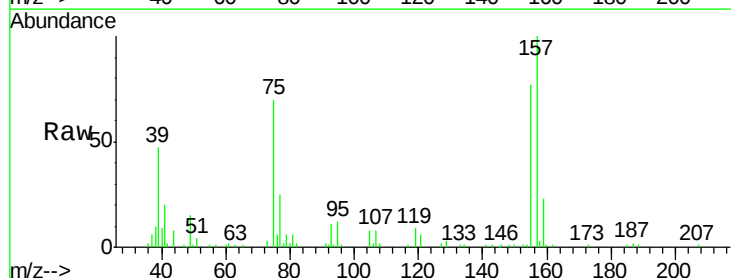
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

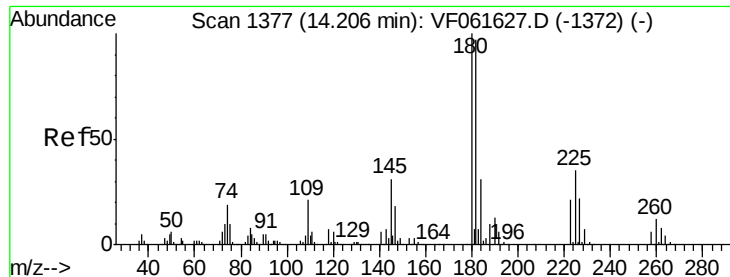
Tot Ion:146 Resp: 386410
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.2 60.5
 148 65.5 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.308 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion: 75 Resp: 21620
 Ion Ratio Lower Upper
 75 100
 155 110.3 48.9 146.8
 157 143.8 58.3 174.8

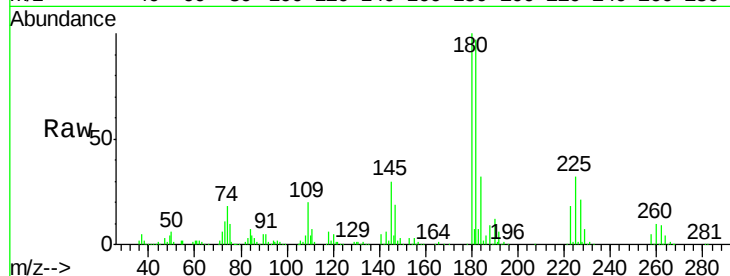




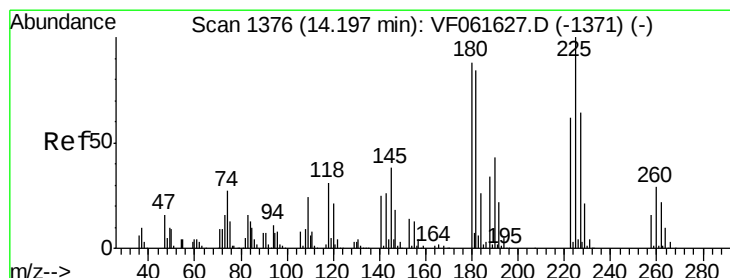
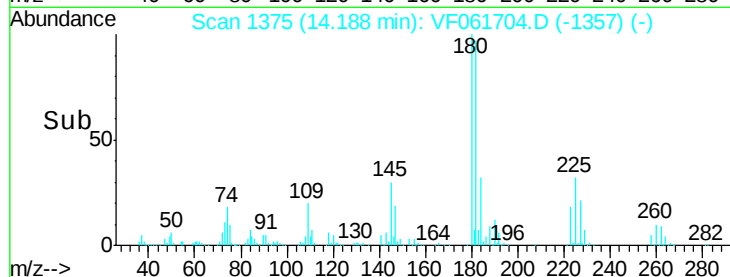
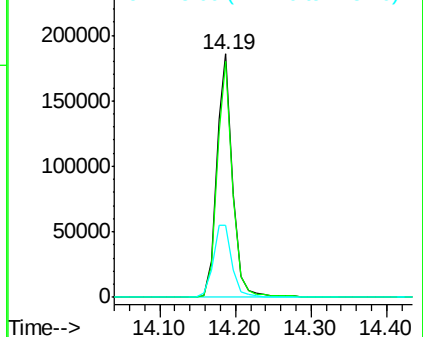
#93
 1,2,4-Trichlorobenzene
 Concen: 46.431 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 274283
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.6 145.9
 145 29.5 15.3 45.9

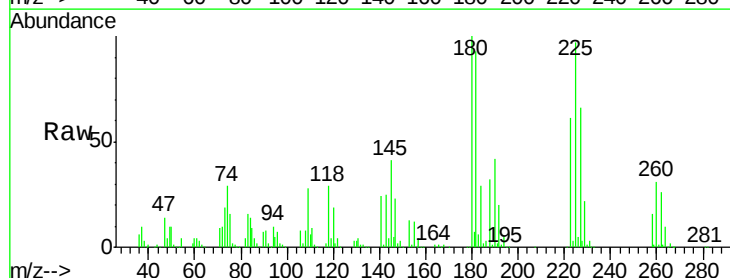


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

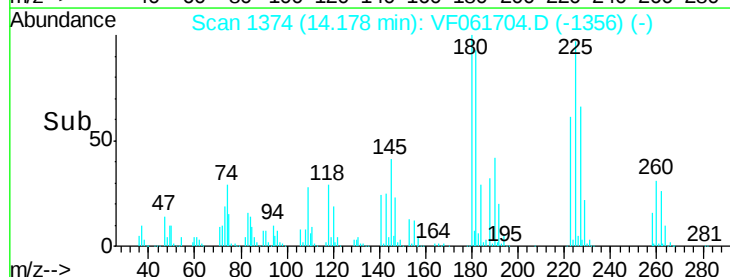
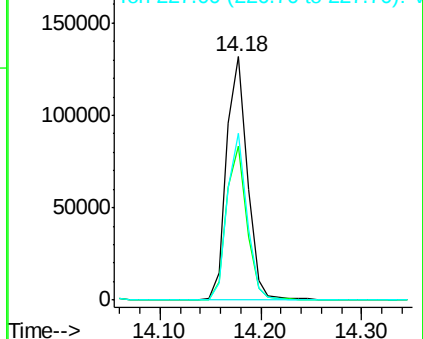


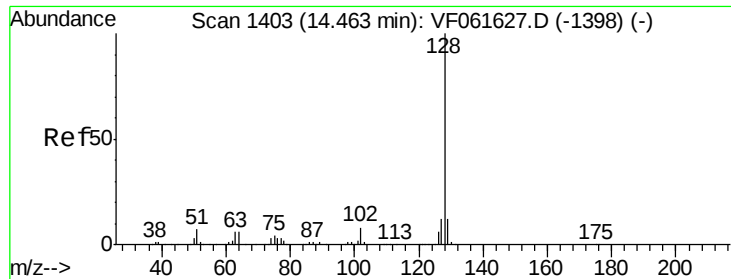
#94
 Hexachlorobutadiene
 Concen: 51.934 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061704.D
 Acq: 22 Feb 2019 12:36

Tgt Ion:225 Resp: 189472
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.7
 227 68.4 32.1 96.3



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

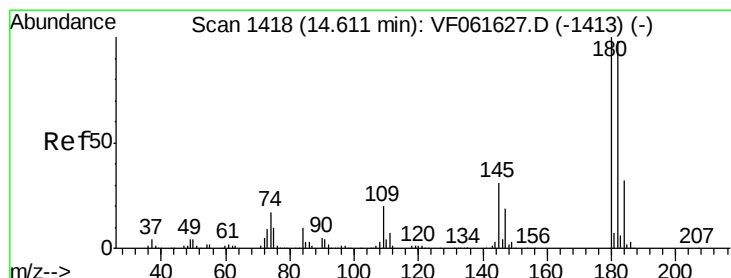
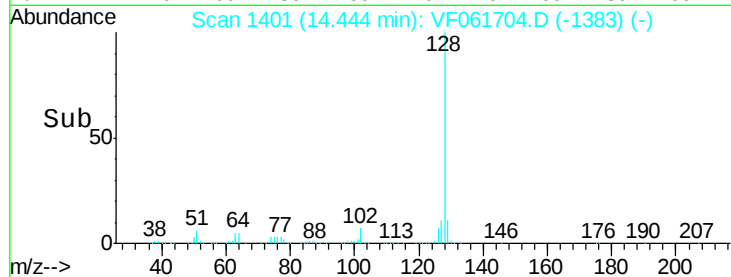
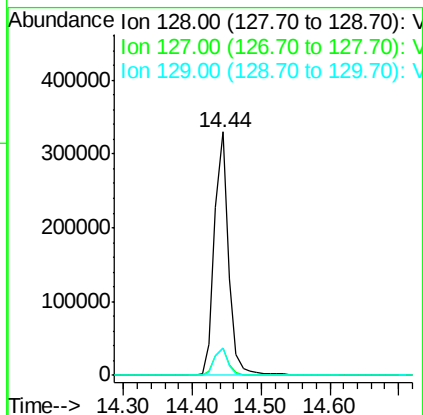
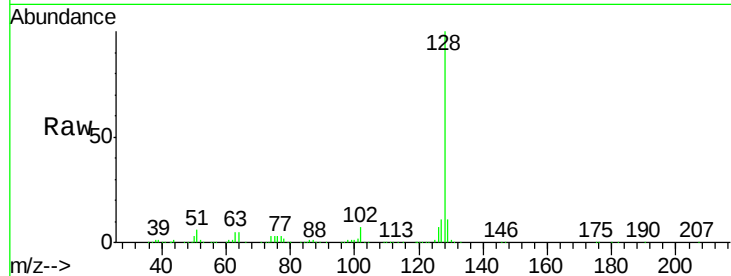




#95
Naphthalene
Concen: 45.585 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 471150
Ion Ratio Lower Upper
128 100
127 11.3 9.8 14.6
129 11.0 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 48.549 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF061704.D
Acq: 22 Feb 2019 12:36

Tgt Ion:180 Resp: 263236
Ion Ratio Lower Upper
180 100
182 96.5 49.0 147.2
145 29.7 15.4 46.1

