

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022619\
 Data File : VF061741.D
 Acq On : 26 Feb 2019 14:20
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 27 04:05:56 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	319156	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.57	114	483411	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.75	117	398051	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.54	152	228386	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	111975	47.84	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	95.68%	
35) Dibromofluoromethane	4.09	113	172443	48.04	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	96.08%	
50) Toluene-d8	7.53	98	485549	47.05	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.39	95	195336	46.78	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	174504	47.611	ug/l	95
3) Chloromethane	1.09	50	174099	45.273	ug/l	100
4) Vinyl Chloride	1.13	62	173410	48.507	ug/l	96
5) Bromomethane	1.31	94	129053	52.452	ug/l	97
6) Chloroethane	1.40	64	89179	50.619	ug/l	96
7) Trichlorofluoromethane	1.48	101	170023	39.432	ug/l	93
8) Diethyl Ether	1.62	74	48286	44.437	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	152233	48.940	ug/l	98
10) Methyl Iodide	1.91	142	234562	39.476	ug/l	100
11) Tert butyl alcohol	2.56	59	30664	226.388	ug/l	96
12) 1,1-Dichloroethene	1.79	96	146523	53.576	ug/l	99
13) Acrolein	1.99	56	33995	199.695	ug/l	87
14) Allyl chloride	2.09	41	157051	46.798	ug/l	96
15) Acrylonitrile	2.92	53	106831	222.360	ug/l	99
16) Acetone	2.22	43	133721	266.298	ug/l	93
17) Carbon Disulfide	1.81	76	310150	36.078	ug/l	99
18) Methyl Acetate	2.33	43	54509	48.186	ug/l	95
19) Methyl tert-butyl Ether	2.41	73	243669	52.133	ug/l	100
20) Methylene Chloride	2.17	84	46049	15.368	ug/l	97
21) trans-1,2-Dichloroethene	2.29	96	120311	40.468	ug/l	99
22) Diisopropyl ether	2.79	45	406742	50.491	ug/l	96
23) Vinyl Acetate	3.17	43	875258	222.449	ug/l	100
24) 1,1-Dichloroethane	2.86	63	247854	50.841	ug/l	99
25) 2-Butanone	4.31	43	260946	237.905	ug/l	98
26) 2,2-Dichloropropane	3.58	77	109839	53.192	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	188903	48.408	ug/l	98
28) Bromochloromethane	3.69	49	113518	48.531	ug/l	97
29) Tetrahydrofuran	4.05	42	109849	220.347	ug/l	97
30) Chloroform	3.83	83	287187	51.801	ug/l	99
31) Cyclohexane	3.66	56	144525	27.385	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	166861	45.946	ug/l	98
36) 1,1-Dichloropropene	4.26	75	238713	49.848	ug/l	94
37) Ethyl Acetate	4.08	43	91517	41.145	ug/l #	62
38) Carbon Tetrachloride	3.97	117	166821	50.449	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	279839	49.411	ug/l	97
40) Benzene	4.61	78	590608	47.151	ug/l	99
41) Methacrylonitrile	4.71	41	47562	41.813	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	155077	51.757	ug/l	98
43) Isopropyl Acetate	6.93	43	118542	45.024	ug/l	97
44) Trichloroethene	5.48	130	203137	50.150	ug/l	93
45) 1,2-Dichloropropane	6.21	63	151553	50.055	ug/l	99
46) Dibromomethane	6.06	93	93467	50.138	ug/l	96
47) Bromodichloromethane	6.36	83	210042	51.451	ug/l	98
48) Methyl methacrylate	6.69	41	73696	46.513	ug/l	95
49) 1,4-Dioxane	6.68	88	14574	978.496	ug/l	91
51) 4-Methyl-2-Pentanone	8.23	43	400247	212.756	ug/l	100
52) Toluene	7.60	92	373891	49.217	ug/l	96
53) t-1,3-Dichloropropene	8.25	75	167826	49.396	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	240985	53.250	ug/l	94
55) 1,1,2-Trichloroethane	8.47	97	109652	49.128	ug/l	93
56) Ethyl methacrylate	8.59	69	109378	44.015	ug/l	97
57) 1,3-Dichloropropane	8.83	76	175667	47.153	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.27	63	89313	208.309	ug/l	97
59) 2-Hexanone	9.47	43	297479	225.584	ug/l	97
60) Dibromochloromethane	8.69	129	160456	51.649	ug/l	99
61) 1,2-Dibromoethane	8.96	107	111399	46.016	ug/l	95
64) Tetrachloroethene	8.13	164	179863	55.281	ug/l	97
65) Chlorobenzene	9.78	112	414715	51.343	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	174200	55.038	ug/l	99
67) Ethyl Benzene	9.88	91	719508	53.564	ug/l	96
68) m/p-Xylenes	10.11	106	540833	105.203	ug/l	93
69) o-Xylene	10.69	106	293148	53.440	ug/l	98
70) Styrene	10.77	104	396314	51.070	ug/l	97
71) Bromoform	10.75	173	86314	50.220	ug/l	98
73) Isopropylbenzene	11.11	105	858905	52.821	ug/l	97
74) N-amyl acetate	11.36	43	179697	46.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.68	83	137815	47.308	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	90661	45.774	ug/l	97
77) Bromobenzene	11.47	156	202266	50.351	ug/l	90
78) n-propylbenzene	11.58	91	892375	47.824	ug/l	98
79) 2-Chlorotoluene	11.70	91	533914	51.091	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	664010	51.093	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	55641	58.598	ug/l	94
82) 4-Chlorotoluene	11.88	91	519728	47.915	ug/l	94
83) tert-Butylbenzene	12.11	119	729411	50.672	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	667497	51.698	ug/l	98
85) sec-Butylbenzene	12.29	105	962467	51.705	ug/l	98
86) p-Isopropyltoluene	12.44	119	830723	53.176	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	389027	49.675	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	383861	50.967	ug/l	98
89) n-Butylbenzene	12.82	91	738926	50.091	ug/l	96
90) Hexachloroethane	12.90	117	201548	55.473	ug/l	95
91) 1,2-Dichlorobenzene	12.92	146	362173	48.621	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	22145	47.946	ug/l	50

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration

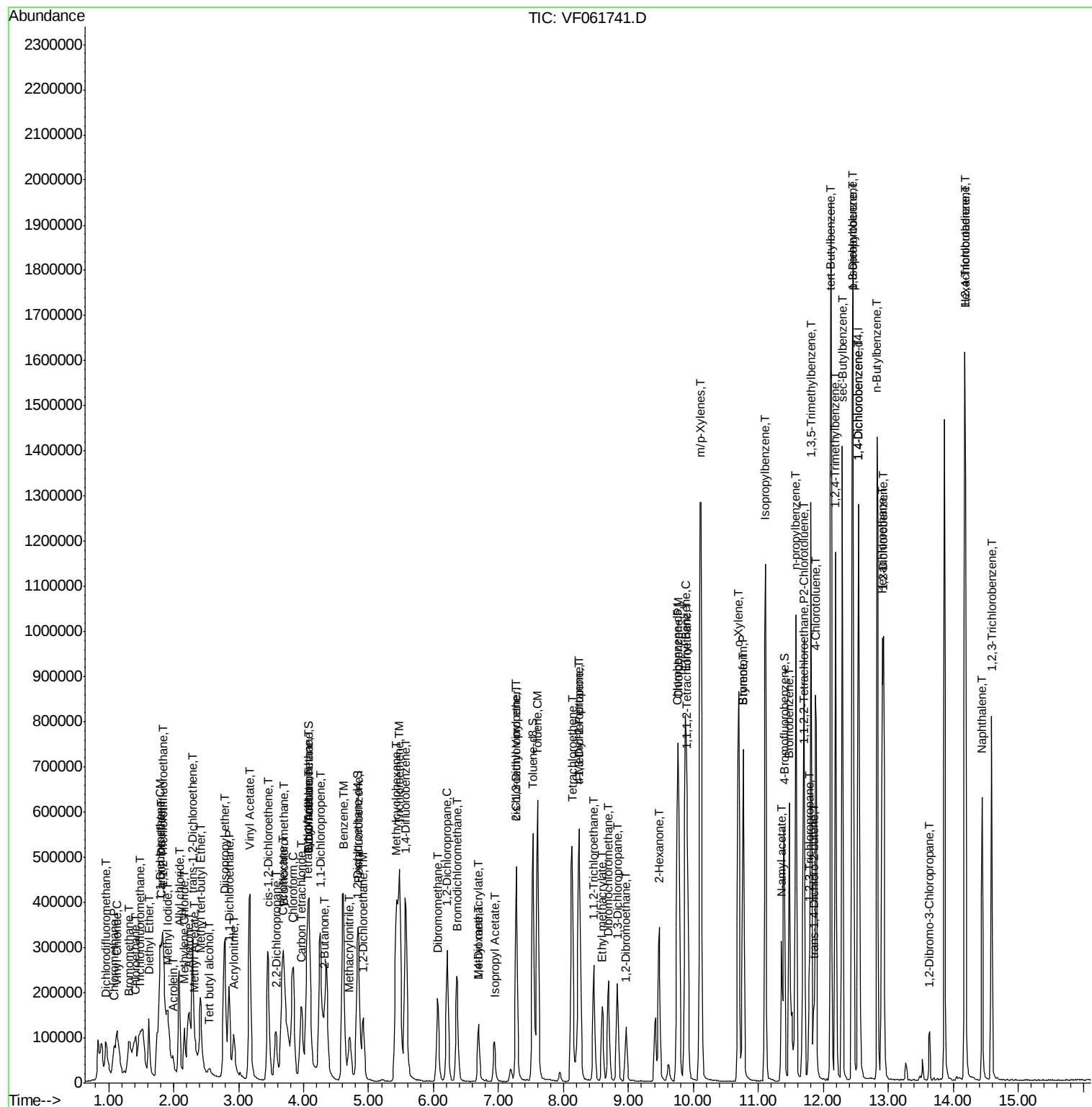
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	271720	50.891	ug/l	98
94) Hexachlorobutadiene	14.18	225	181061	54.909	ug/l	99
95) Naphthalene	14.44	128	464074	49.678	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	261346	53.330	ug/l	97

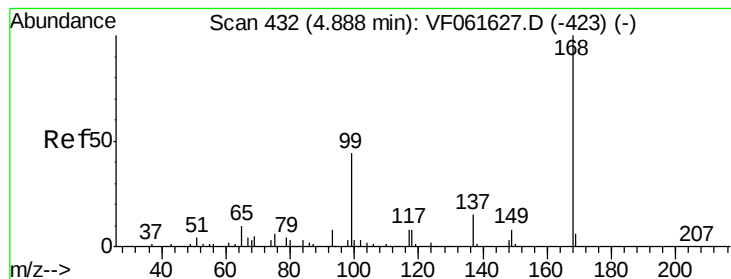
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
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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: VF061741.D

Acq: 26 Feb 2019 14:20

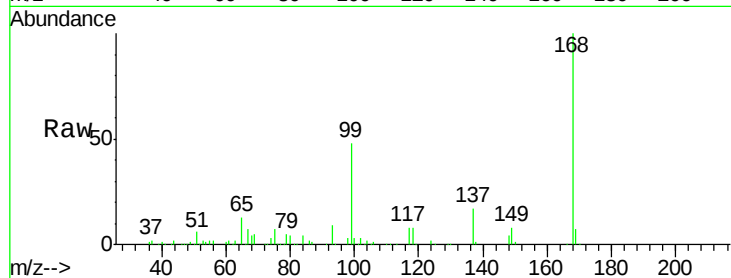
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 319156

Ion Ratio Lower Upper

168 100

99 47.9 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

120000

100000

80000

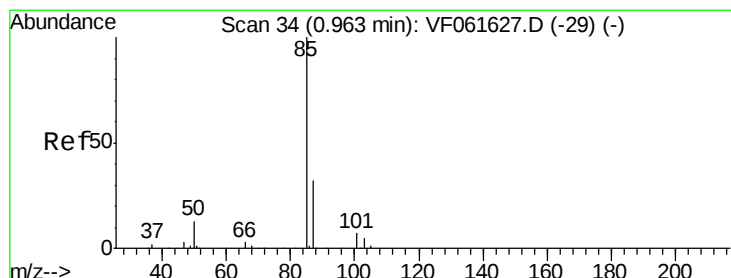
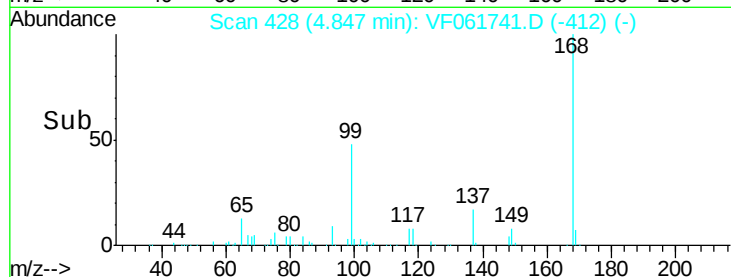
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.611 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061741.D

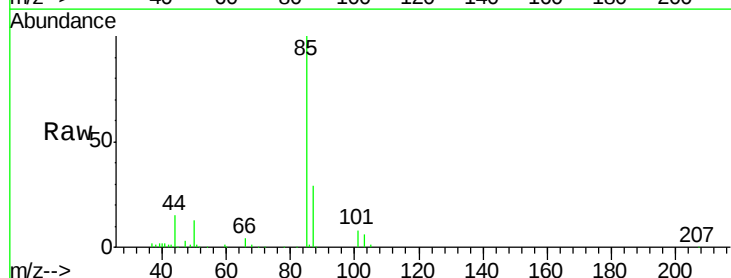
Acq: 26 Feb 2019 14:20

Tgt Ion: 85 Resp: 174504

Ion Ratio Lower Upper

85 100

87 29.4 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

50000

40000

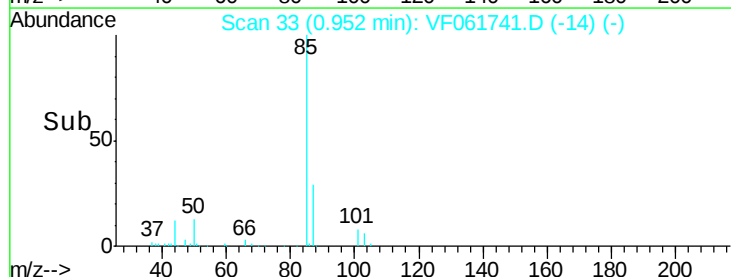
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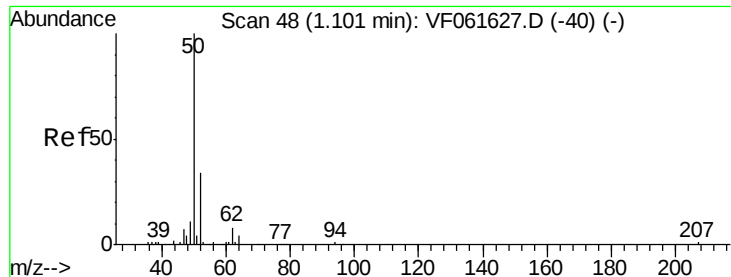
20000

10000

0

Time-->





#3

Chloromethane

Concen: 45.273 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

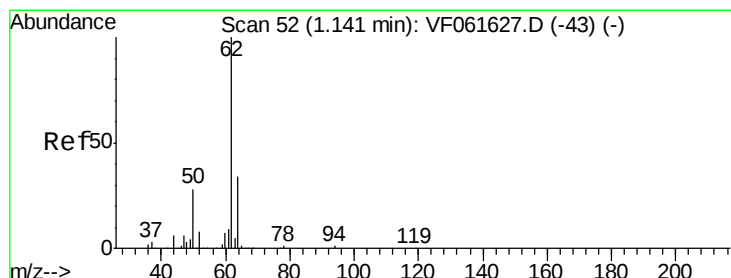
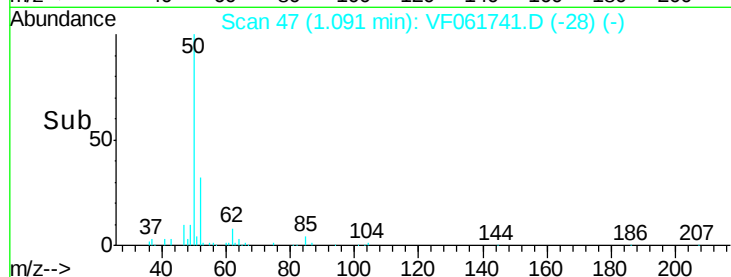
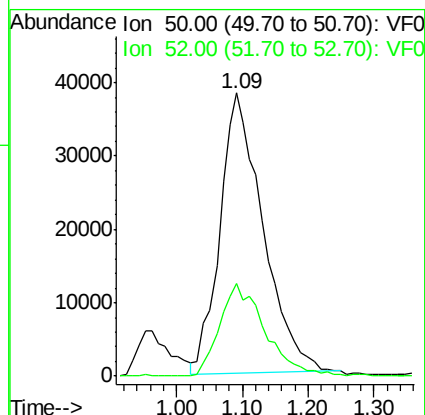
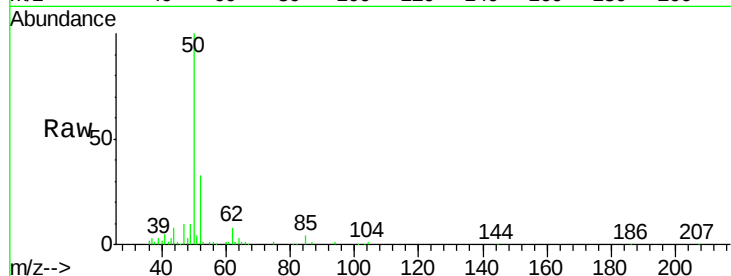
VSTDCCC050

Tot Ion: 50 Resp: 174099

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 48.507 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061741.D

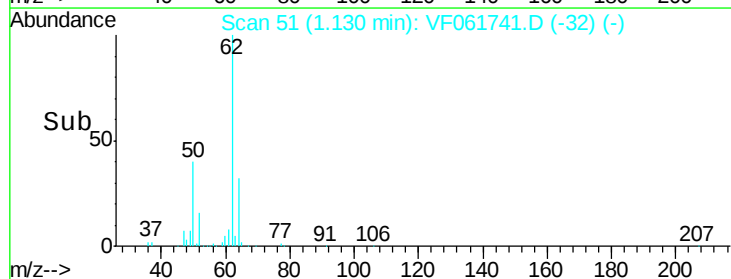
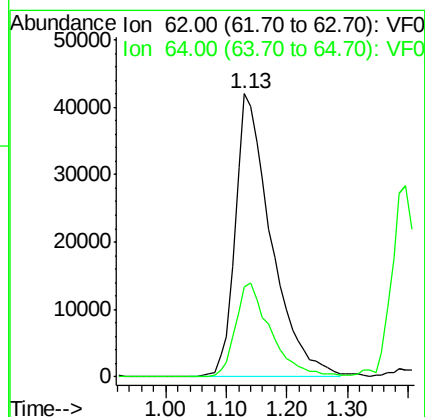
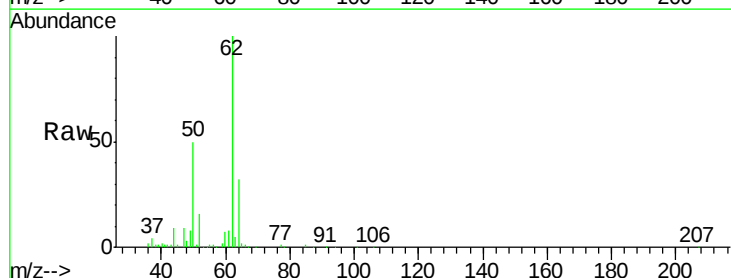
Acq: 26 Feb 2019 14:20

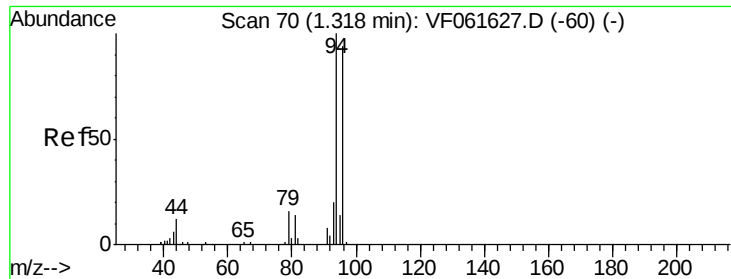
Tgt Ion: 62 Resp: 173410

Ion Ratio Lower Upper

62 100

64 32.0 27.5 41.3





#5

Bromomethane

Concen: 52.452 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

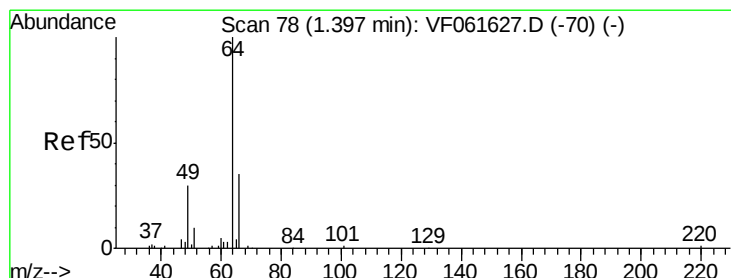
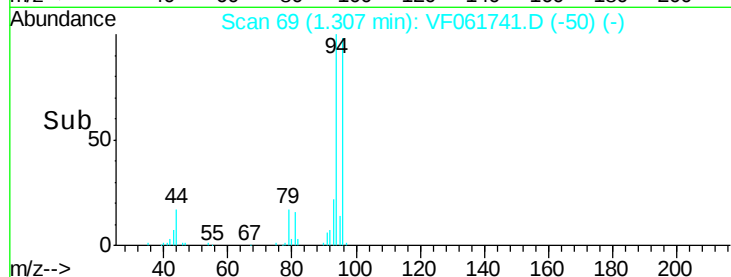
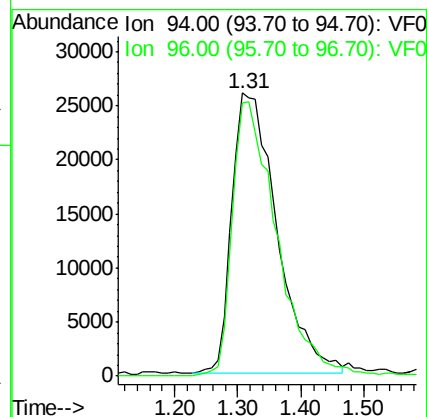
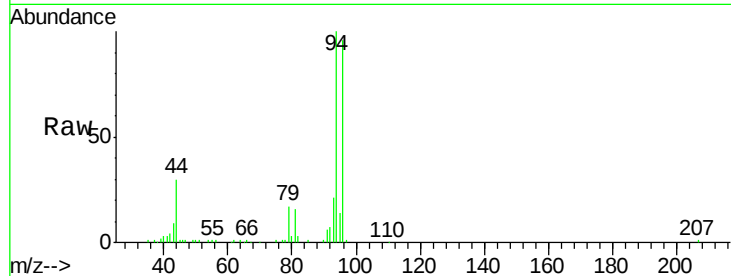
VSTDCCC050

Tot Ion: 94 Resp: 129053

Ion Ratio Lower Upper

94 100

96 96.4 74.6 112.0



#6

Chloroethane

Concen: 50.619 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF061741.D

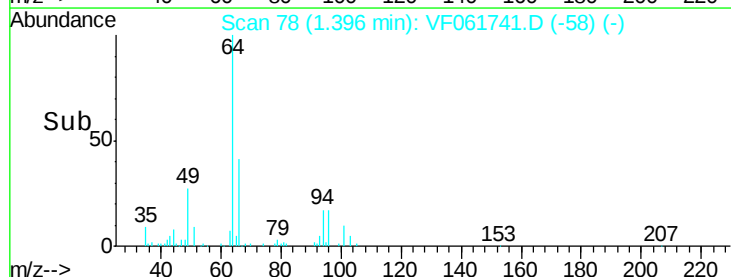
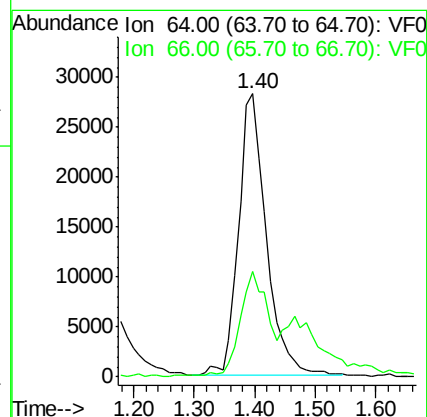
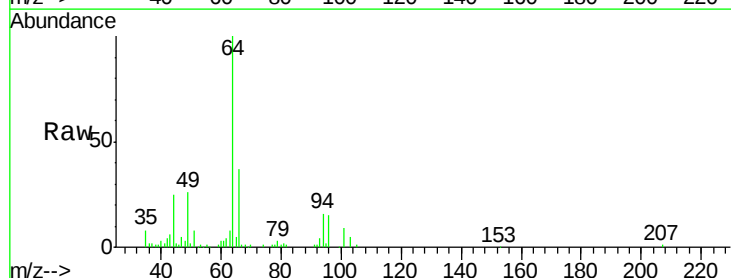
Acq: 26 Feb 2019 14:20

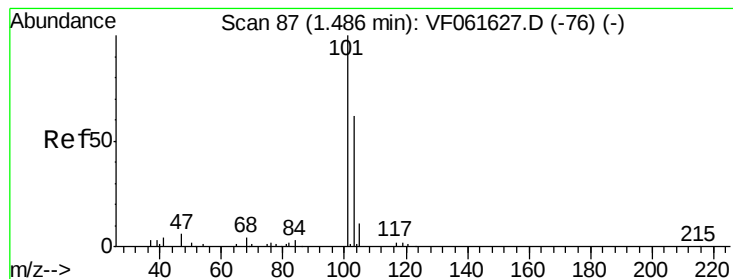
Tgt Ion: 64 Resp: 89179

Ion Ratio Lower Upper

64 100

66 37.2 27.9 41.9



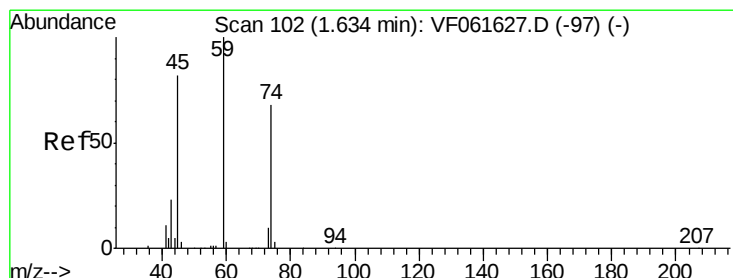
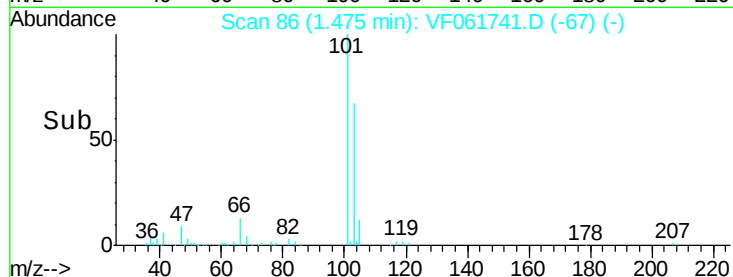
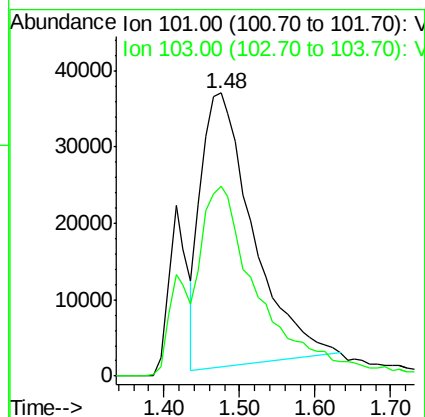
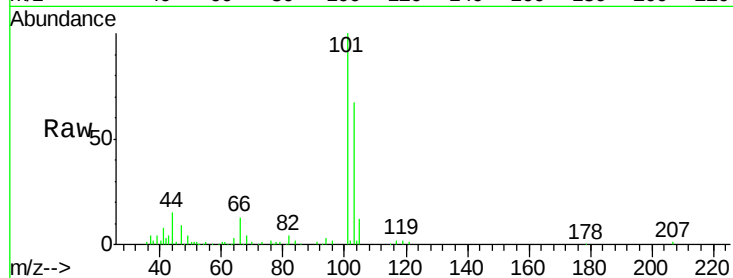


#7

Trichlorofluoromethane
 Concen: 39.432 ug/l
 RT: 1.48 min Scan# 86
 Delta R.T. -0.01 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Instrument :
 MSVOA_F
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 VSTDCCC050

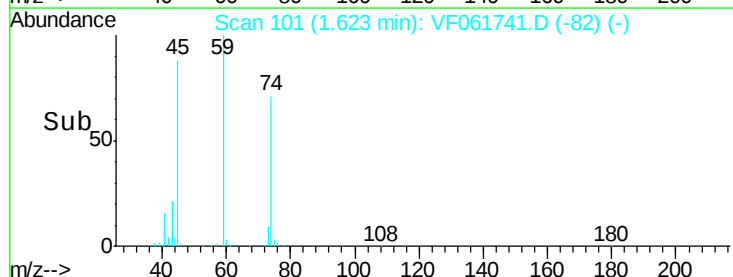
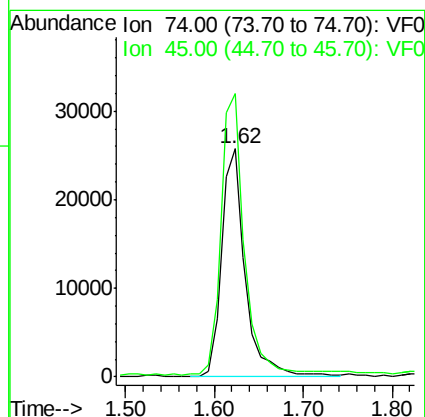
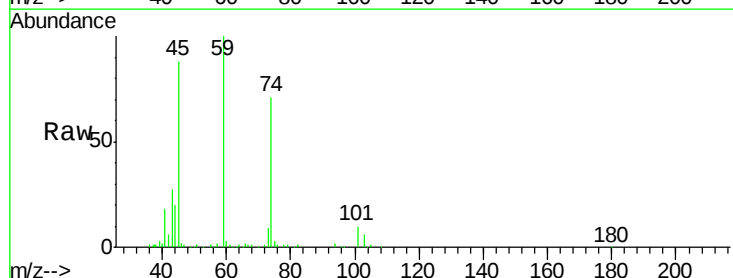
Tot Ion:101 Resp: 170023
 Ion Ratio Lower Upper
 101 100
 103 67.1 49.3 73.9

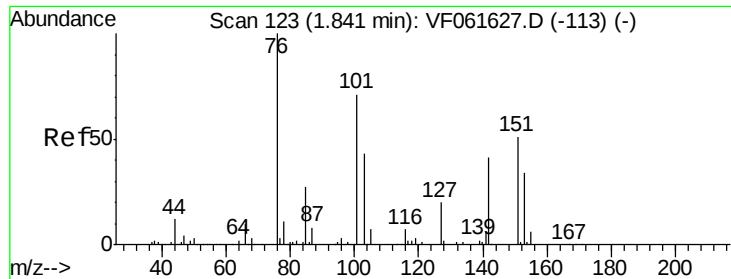


#8

Diethyl Ether
 Concen: 44.437 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion: 74 Resp: 48286
 Ion Ratio Lower Upper
 74 100
 45 124.0 60.8 182.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.940 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

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VSTDCCC050

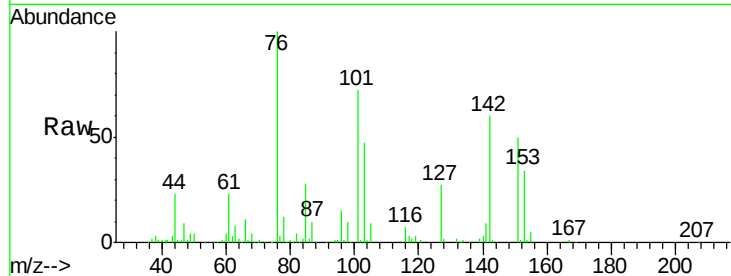
Tot Ion:101 Resp: 152233

Ion Ratio Lower Upper

101 100

85 38.3 29.8 44.6

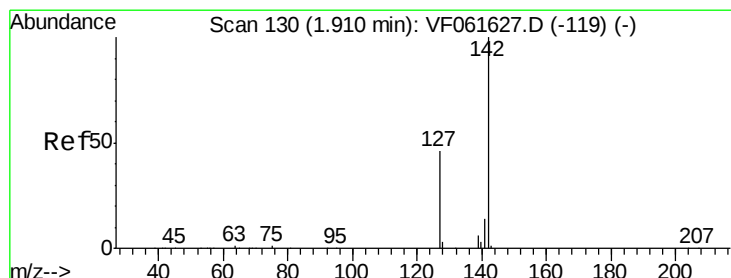
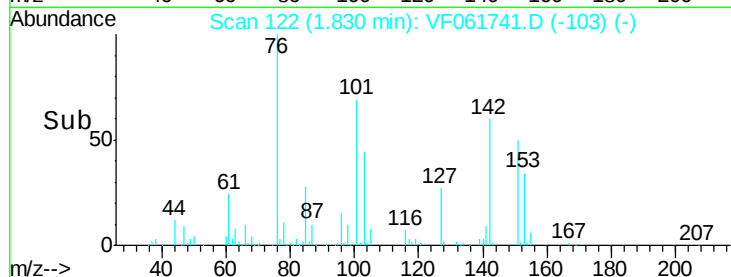
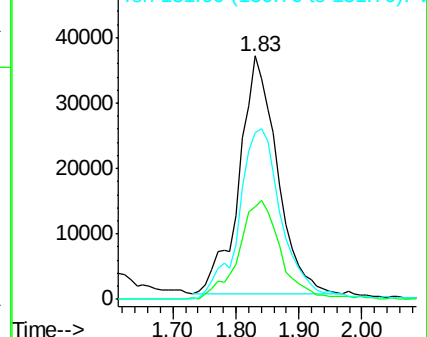
151 68.4 56.3 84.5



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: 39.476 ug/l

RT: 1.91 min Scan# 130

Delta R.T. -0.00 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

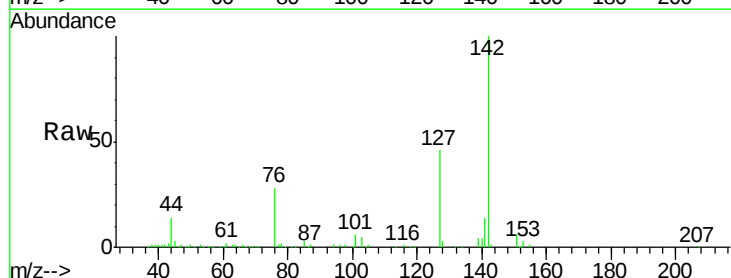
Tgt Ion:142 Resp: 234562

Ion Ratio Lower Upper

142 100

127 45.5 36.6 55.0

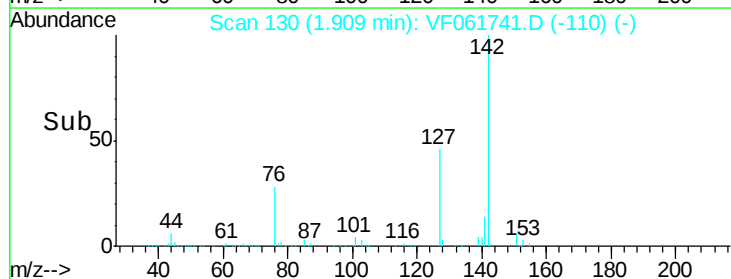
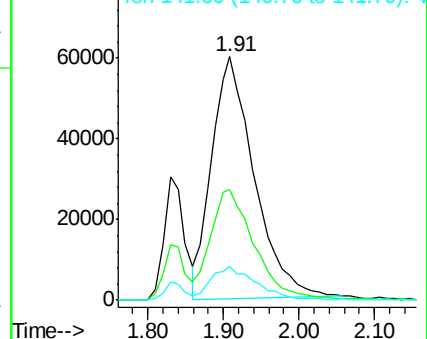
141 13.9 11.0 16.6

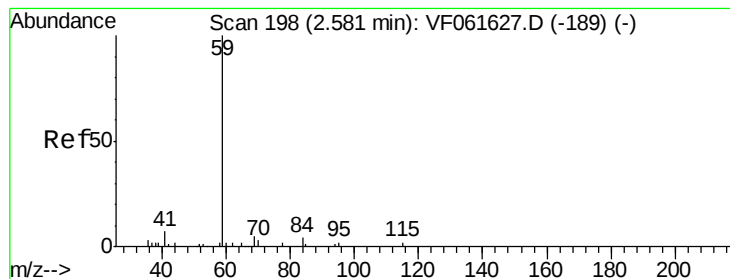


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



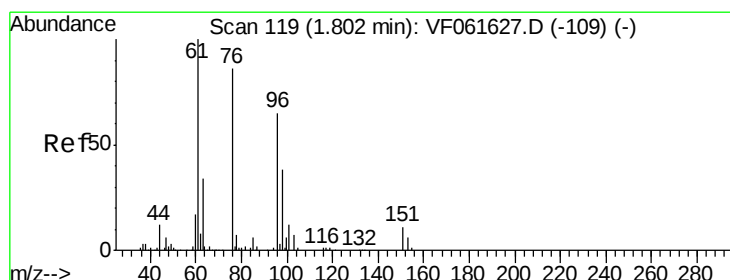
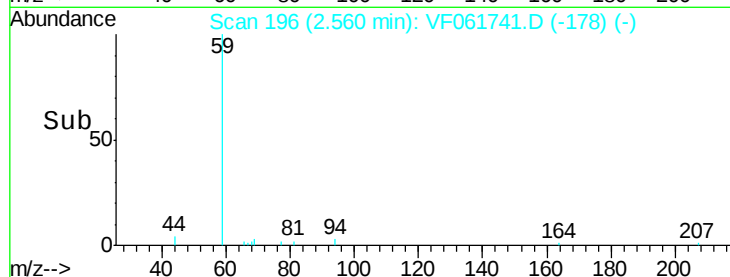
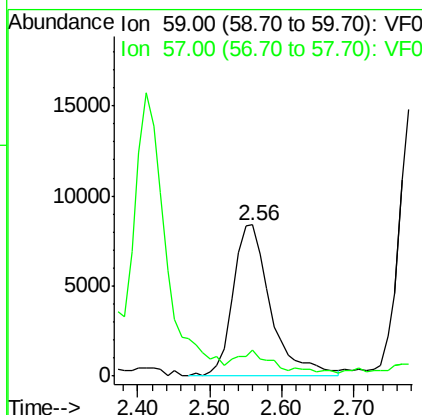
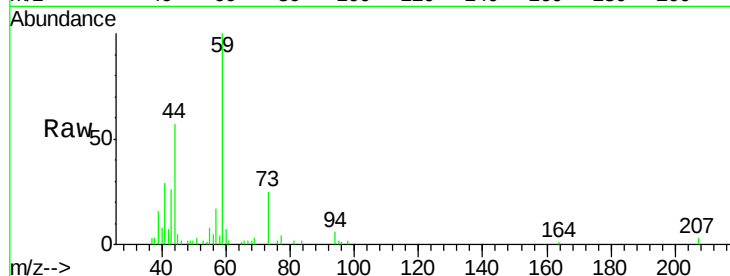


#11

Tert butyl alcohol
 Concen: 226.388 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

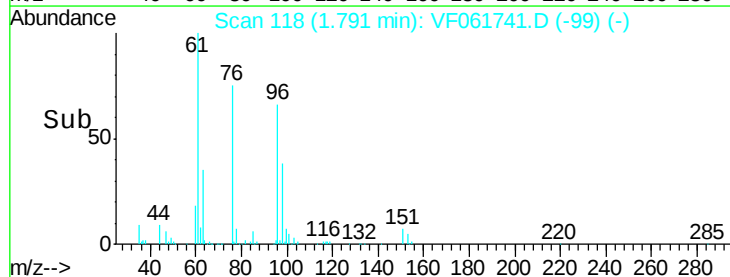
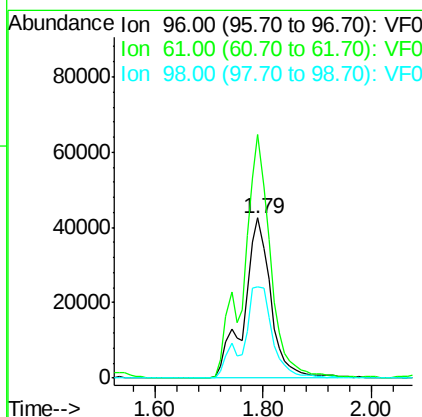
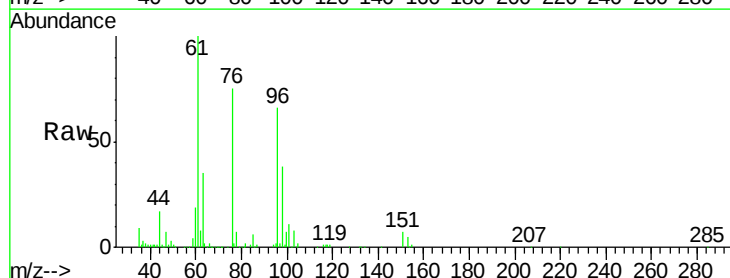
Tot Ion: 59 Resp: 30664
 Ion Ratio Lower Upper
 59 100
 57 17.3 12.5 18.7

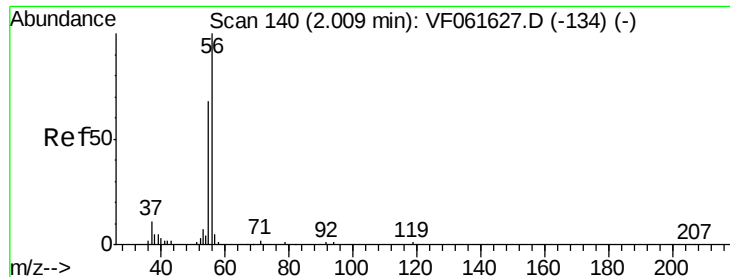


#12

1,1-Dichloroethene
 Concen: 53.576 ug/l
 RT: 1.79 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion: 96 Resp: 146523
 Ion Ratio Lower Upper
 96 100
 61 152.0 122.6 184.0
 98 57.2 47.2 70.8





#13

Acrolein

Concen: 199.695 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

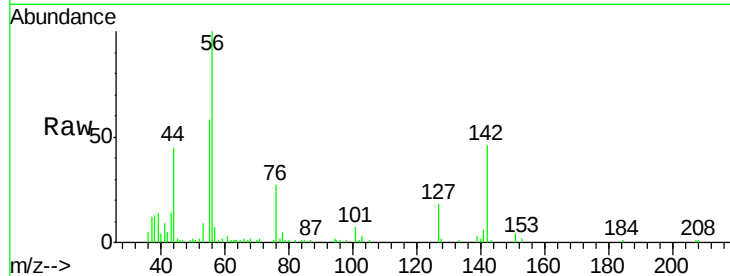
VSTDCCC050

Tot Ion: 56 Resp: 33995

Ion Ratio Lower Upper

56 100

55 58.4 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

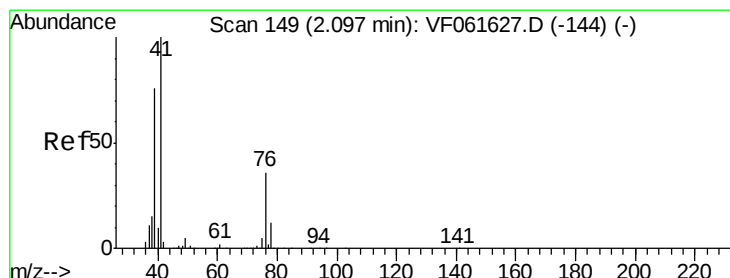
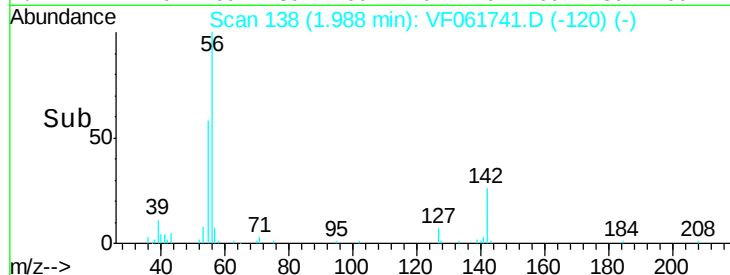
15000

10000

5000

0

Time--> 1.80 1.90 2.00 2.10 2.20



#14

Allyl chloride

Concen: 46.798 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

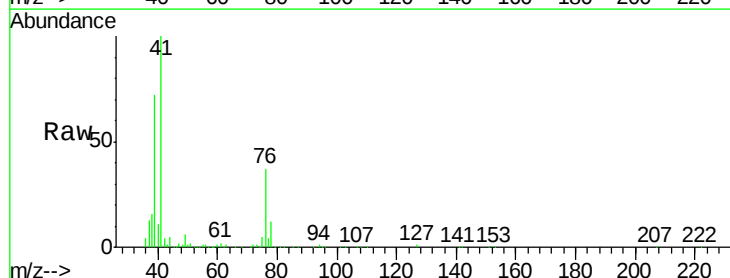
Tgt Ion: 41 Resp: 157051

Ion Ratio Lower Upper

41 100

39 72.5 61.6 92.4

76 36.7 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.09

100000

80000

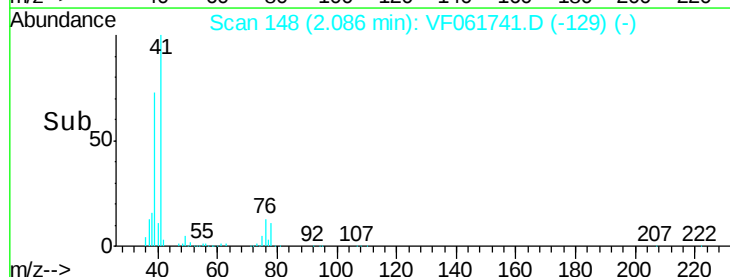
60000

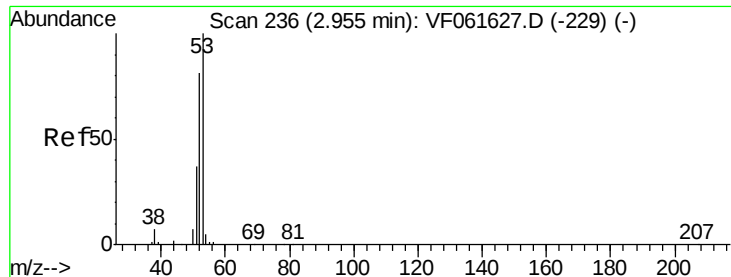
40000

20000

0

Time--> 1.95 2.00 2.05 2.10 2.15





#15

Acrylonitrile

Concen: 222.360 ug/l

RT: 2.92 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

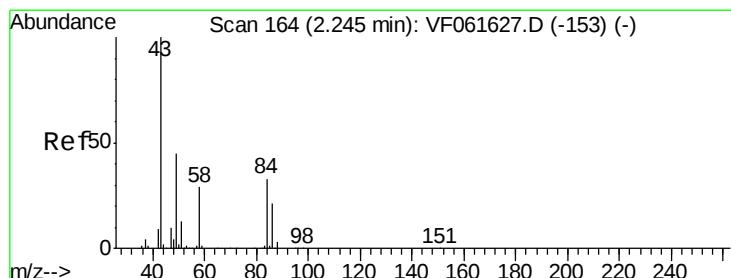
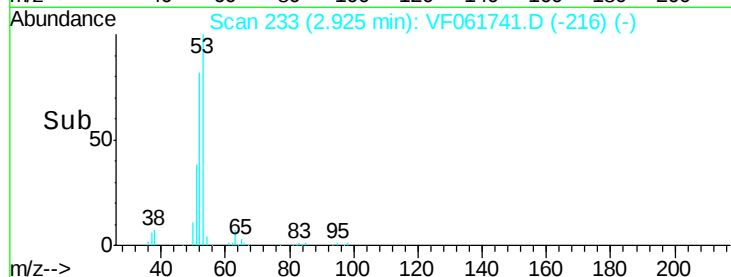
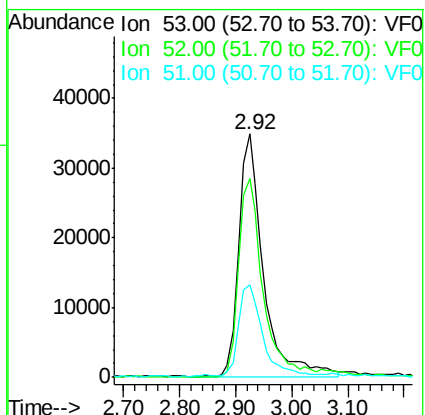
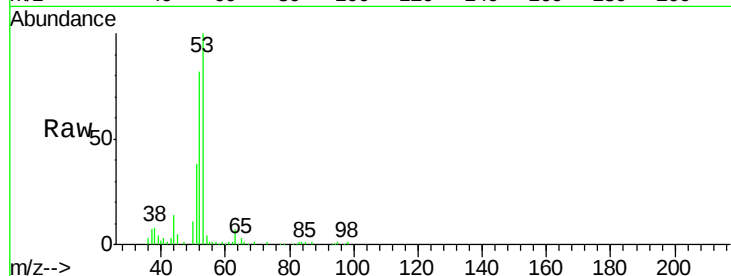
Tot Ion: 53 Resp: 106831

Ion Ratio Lower Upper

53 100

52 81.7 64.6 97.0

51 38.3 29.8 44.8



#16

Acetone

Concen: 266.298 ug/l

RT: 2.22 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061741.D

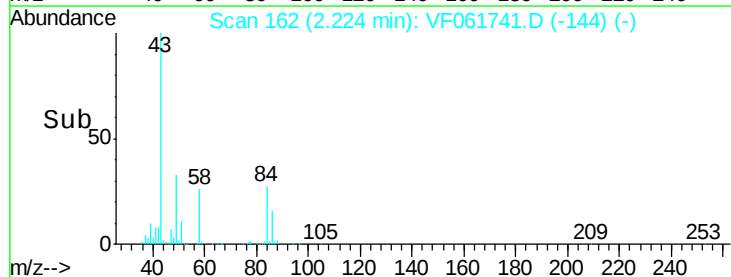
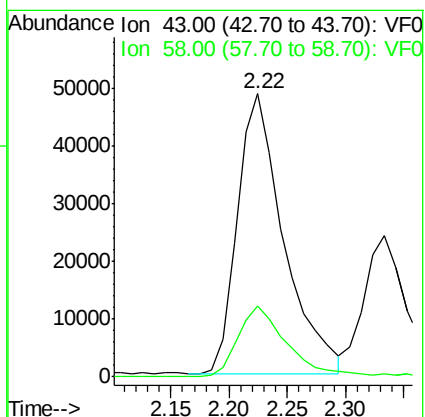
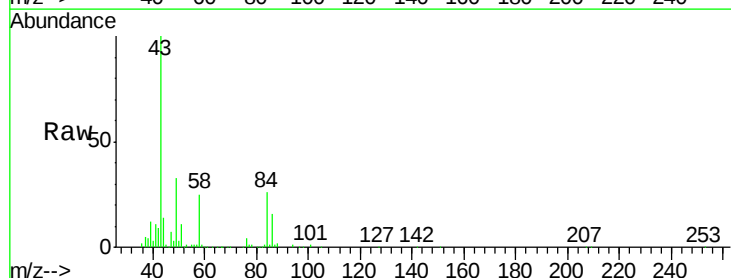
Acq: 26 Feb 2019 14:20

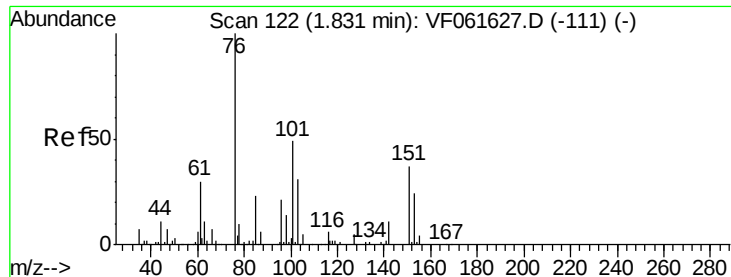
Tgt Ion: 43 Resp: 133721

Ion Ratio Lower Upper

43 100

58 25.0 22.9 34.3

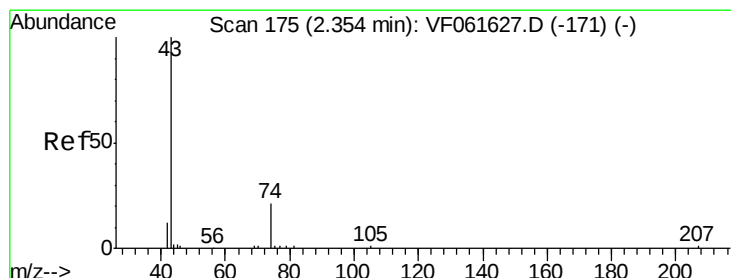
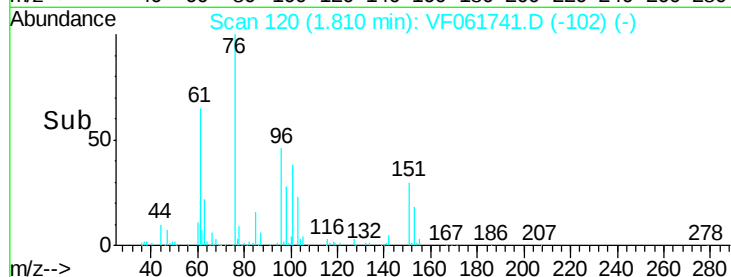
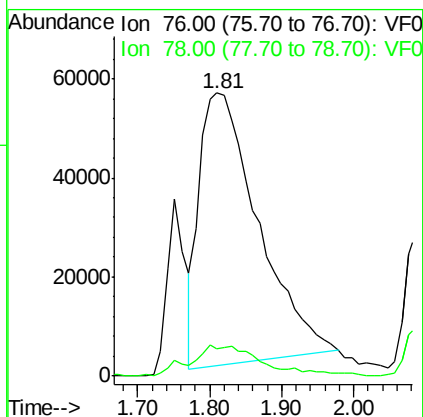
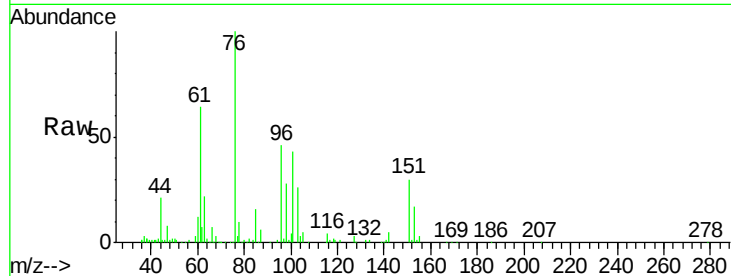




#17
Carbon Disulfide
Concen: 36.078 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.02 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

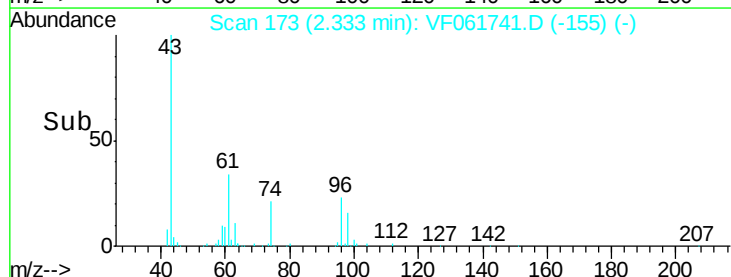
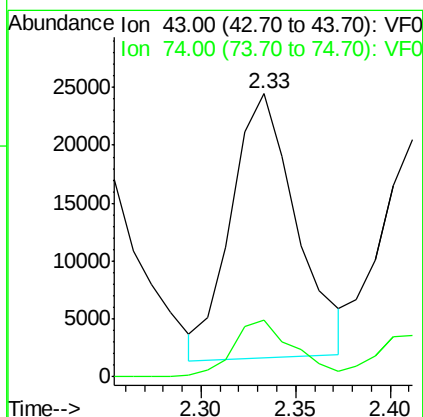
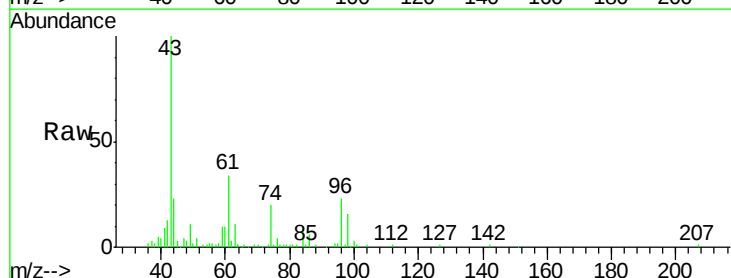
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

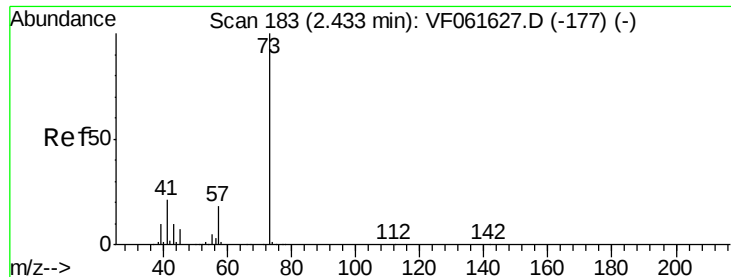
Tot Ion: 76 Resp: 310150
Ion Ratio Lower Upper
76 100
78 9.7 7.9 11.9



#18
Methyl Acetate
Concen: 48.186 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion: 43 Resp: 54509
Ion Ratio Lower Upper
43 100
74 20.3 14.6 21.8



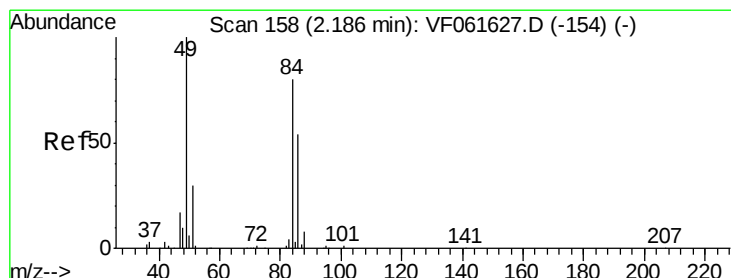
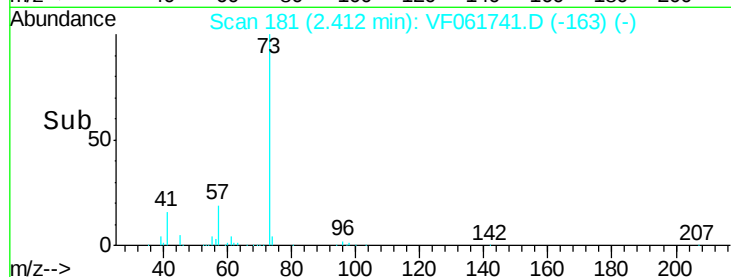
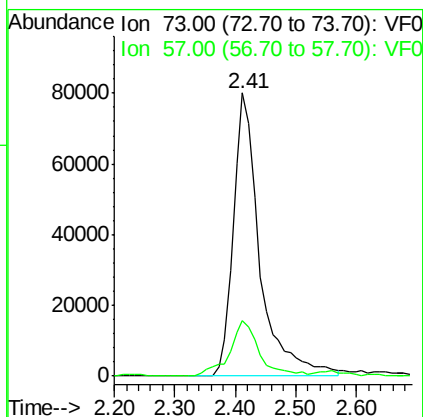
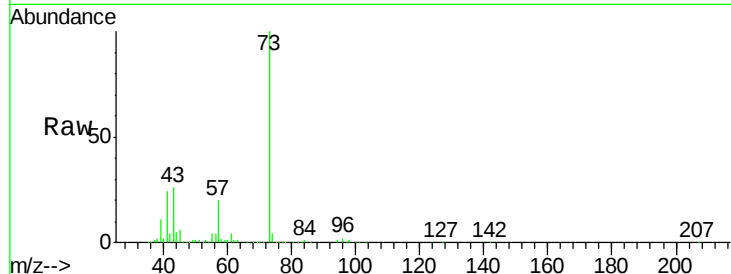


#19

Methyl tert-butyl Ether
 Concen: 52.133 ug/l
 RT: 2.41 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

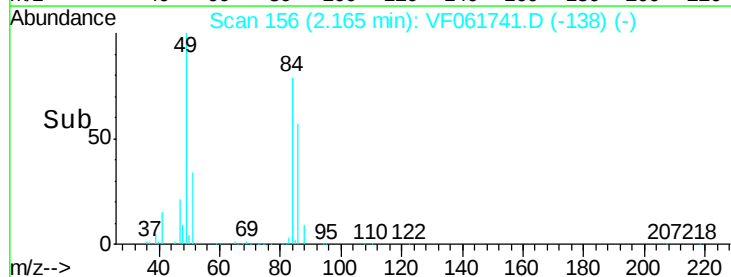
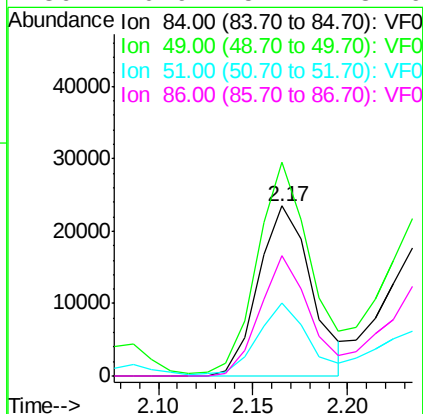
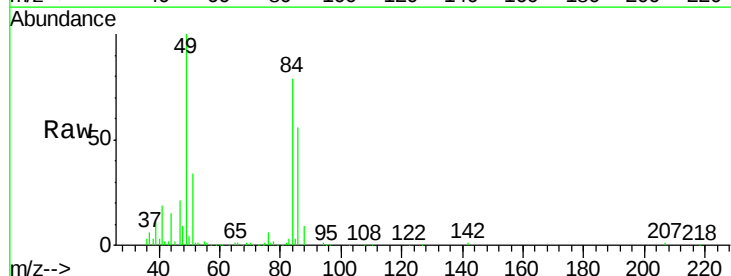
Tot Ion: 73 Resp: 243669
 Ion Ratio Lower Upper
 73 100
 57 19.6 15.8 23.8

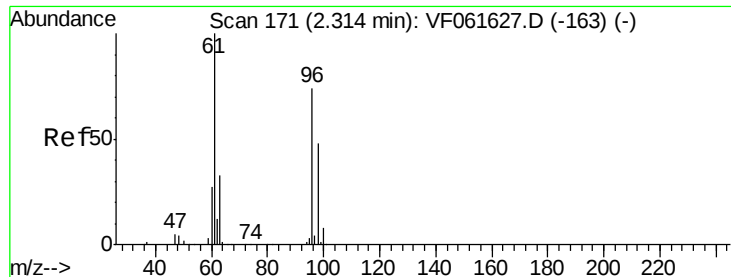


#20

Methylene Chloride
 Concen: 15.368 ug/l
 RT: 2.17 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion: 84 Resp: 46049
 Ion Ratio Lower Upper
 84 100
 49 125.8 101.8 152.8
 51 43.3 31.1 46.7
 86 70.9 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 40.468 ug/l

RT: 2.29 min Scan# 169

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

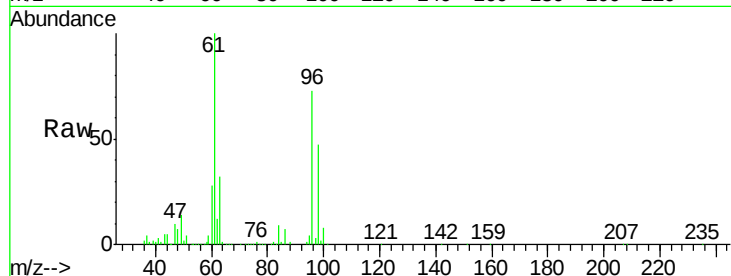
Tot Ion: 96 Resp: 120311

Ion Ratio Lower Upper

96 100

61 137.5 108.2 162.4

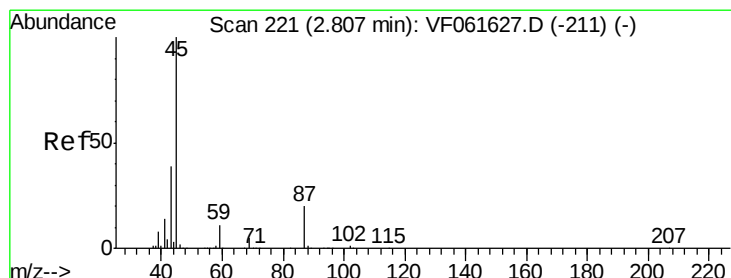
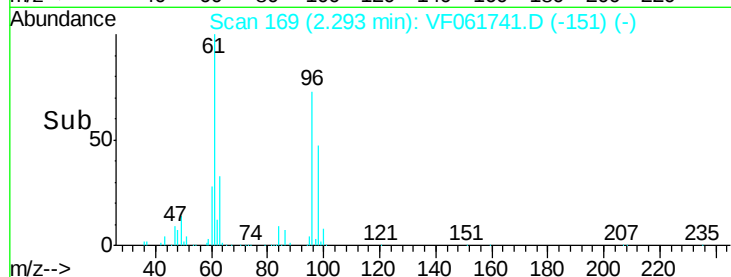
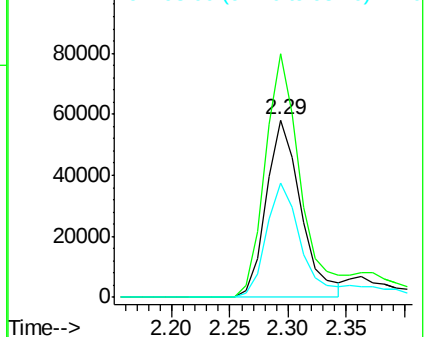
98 64.9 52.2 78.2



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: 50.491 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Tgt Ion: 45 Resp: 406742

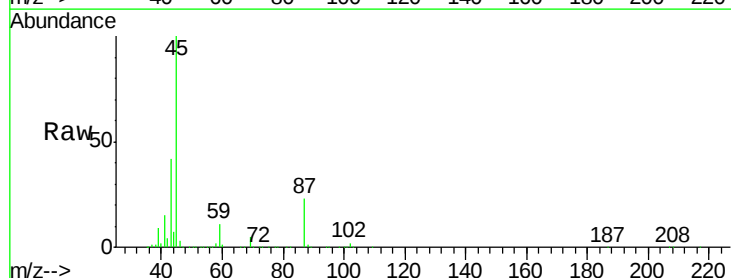
Ion Ratio Lower Upper

45 100

43 41.8 31.4 47.2

87 23.5 16.3 24.5

59 11.0 8.7 13.1

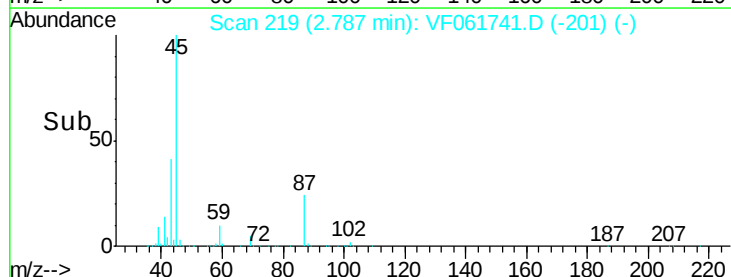
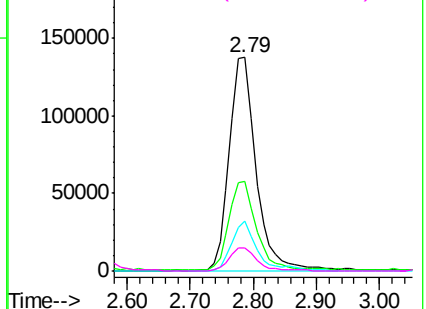


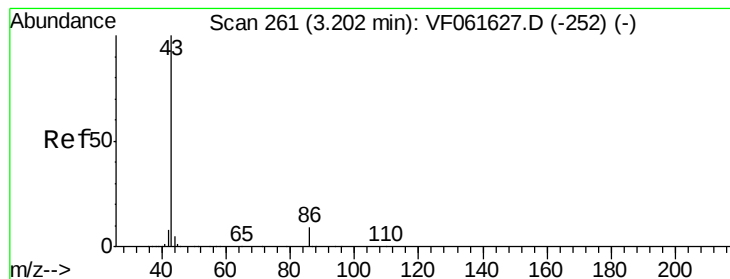
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 222.449 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

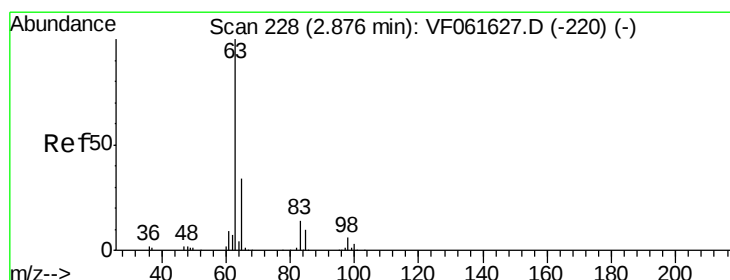
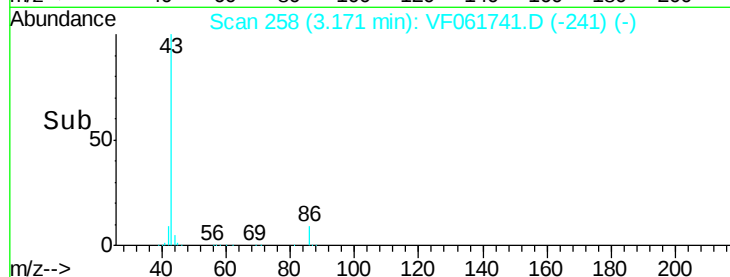
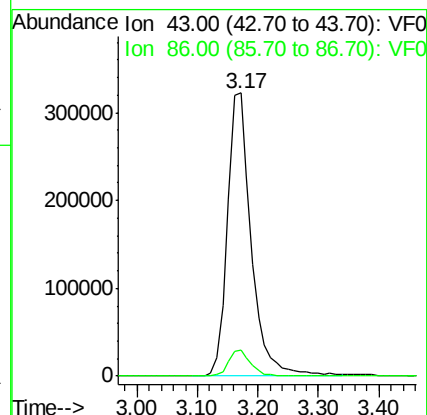
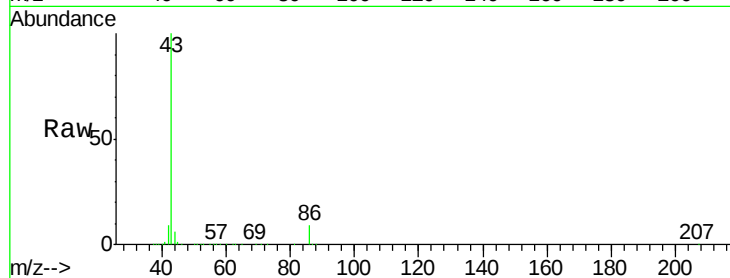
VSTDCCC050

Tot Ion: 43 Resp: 875258

Ion Ratio Lower Upper

43 100

86 9.3 7.5 11.3



#24

1,1-Dichloroethane

Concen: 50.841 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

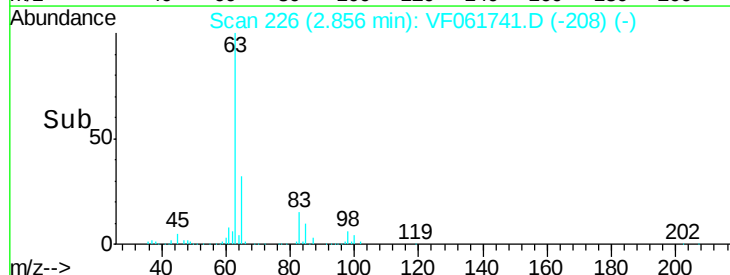
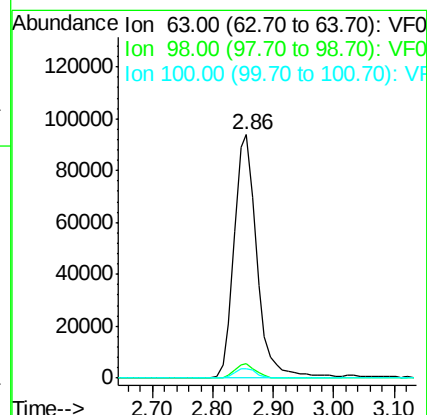
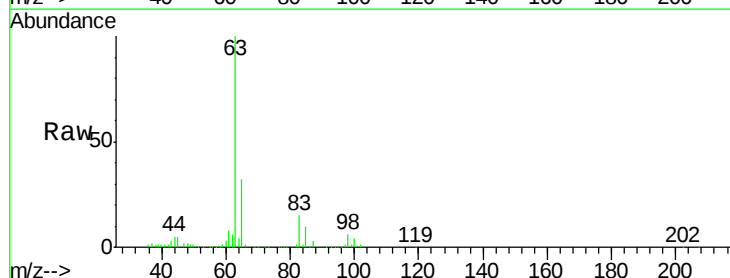
Tgt Ion: 63 Resp: 247854

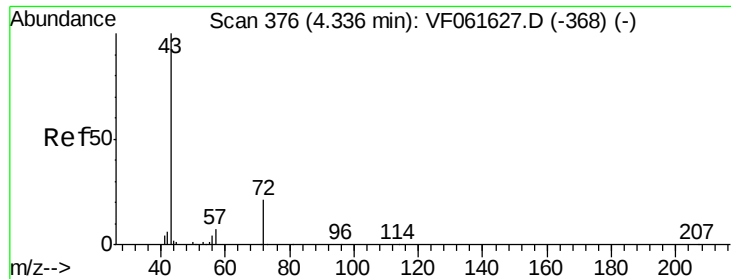
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.3

100 3.6 1.8 5.4





#25

2-Butanone

Concen: 237.905 ug/l

RT: 4.31 min Scan# 373

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

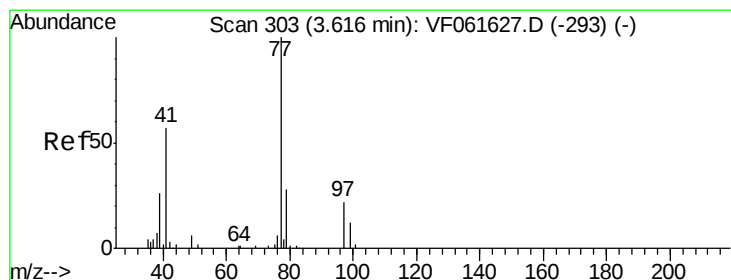
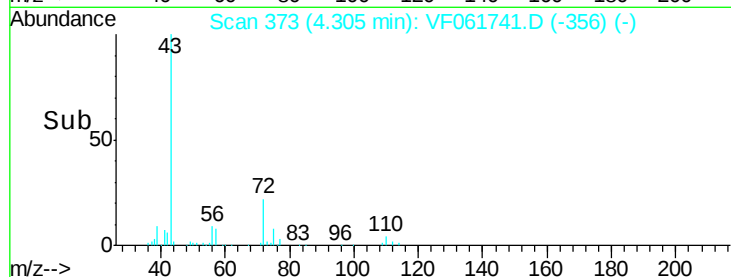
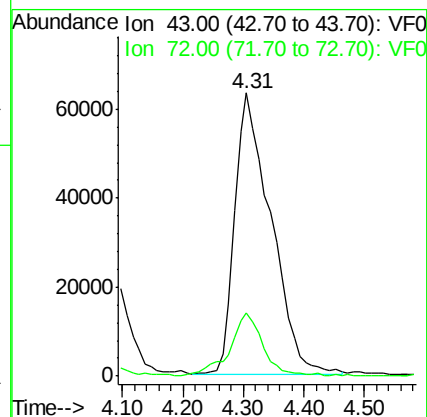
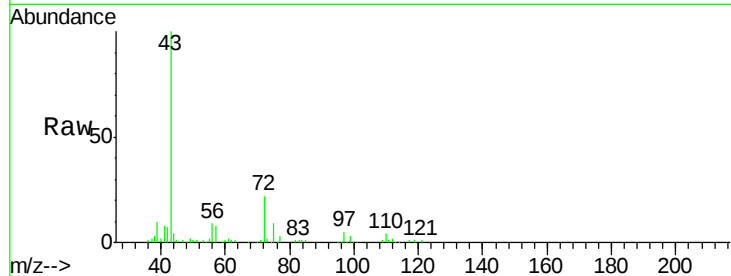
VSTDCCC050

Tot Ion: 43 Resp: 260946

Ion Ratio Lower Upper

43 100

72 22.2 17.1 25.7



#26

2,2-Dichloropropane

Concen: 53.192 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.04 min

Lab File: VF061741.D

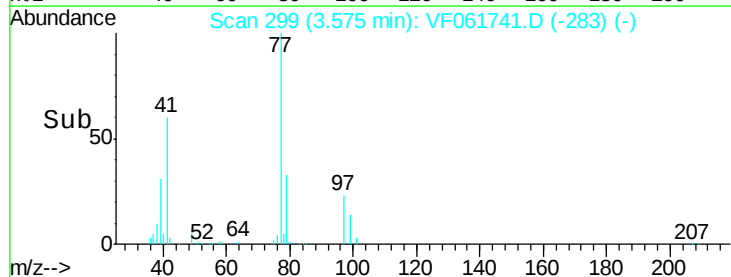
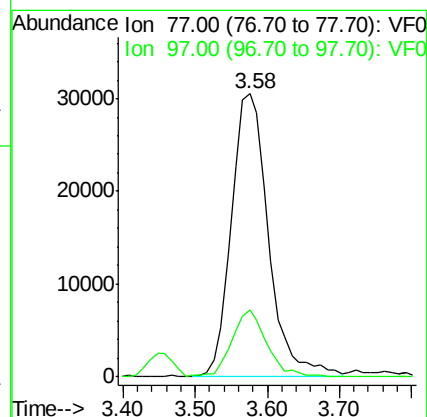
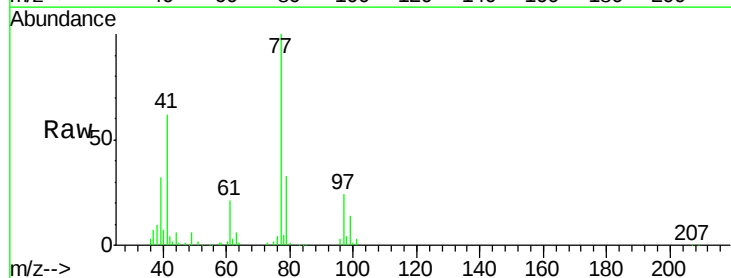
Acq: 26 Feb 2019 14:20

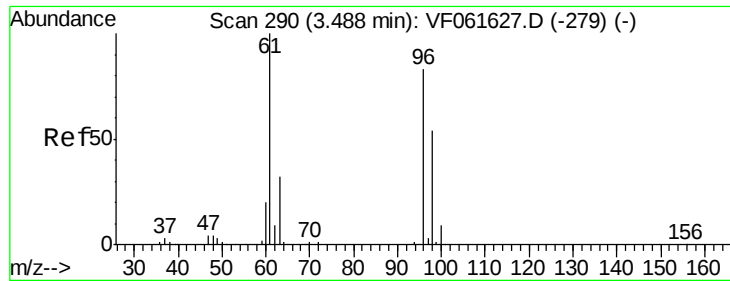
Tgt Ion: 77 Resp: 109839

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0



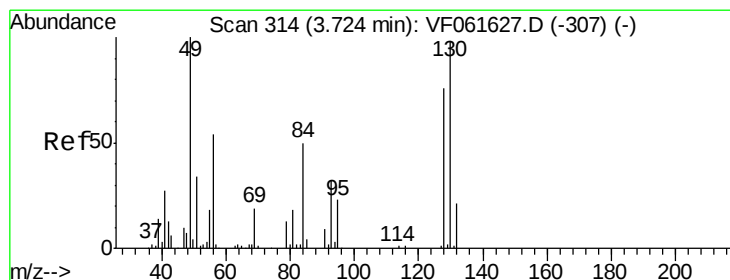
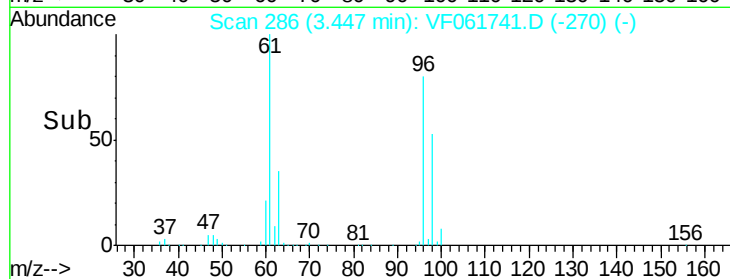
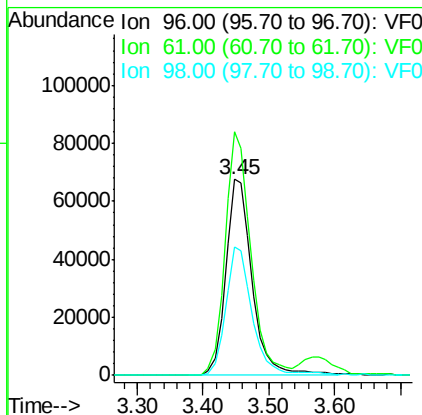
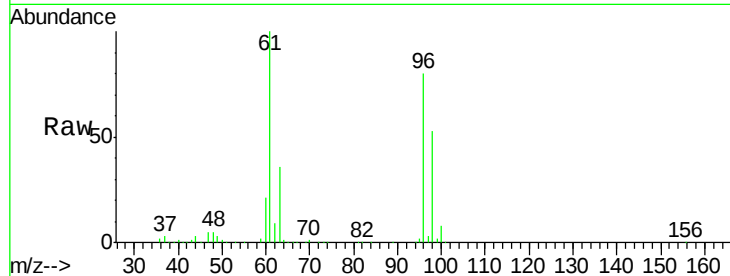


#27

cis-1,2-Dichloroethene
 Concen: 48.408 ug/l
 RT: 3.45 min Scan# 286
 Delta R.T. -0.04 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

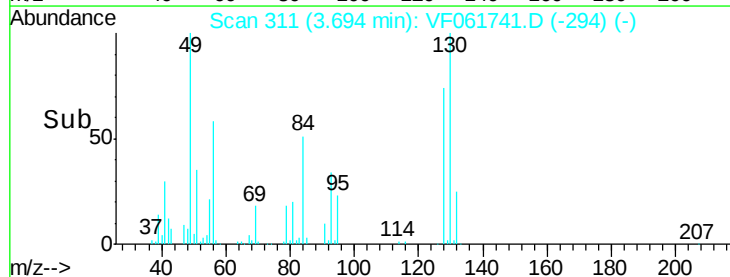
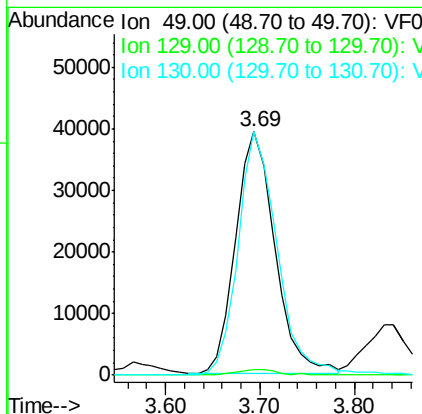
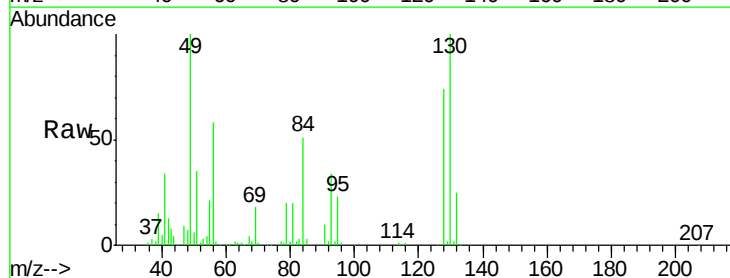
Tot Ion: 96 Resp: 188903
 Ion Ratio Lower Upper
 96 100
 61 124.4 0.0 241.6
 98 65.3 0.0 130.2

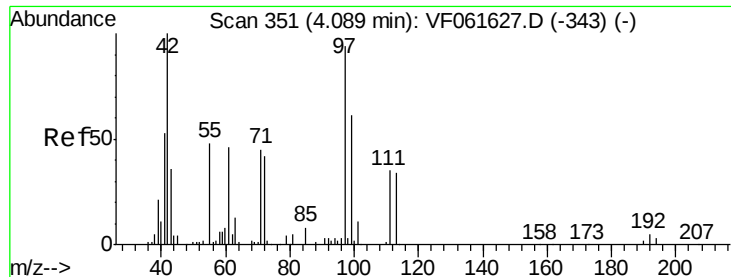


#28

Bromochloromethane
 Concen: 48.531 ug/l
 RT: 3.69 min Scan# 311
 Delta R.T. -0.03 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion: 49 Resp: 113518
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.4
 130 100.1 77.7 116.5

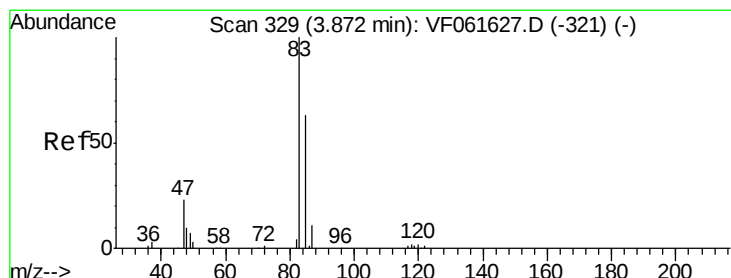
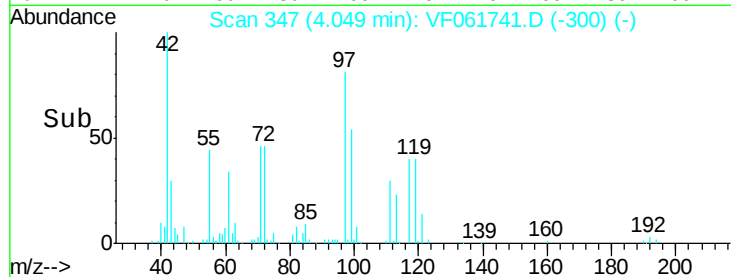
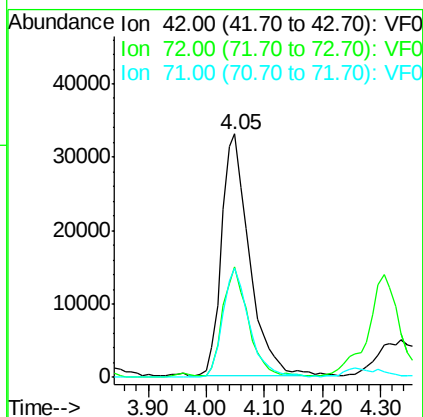
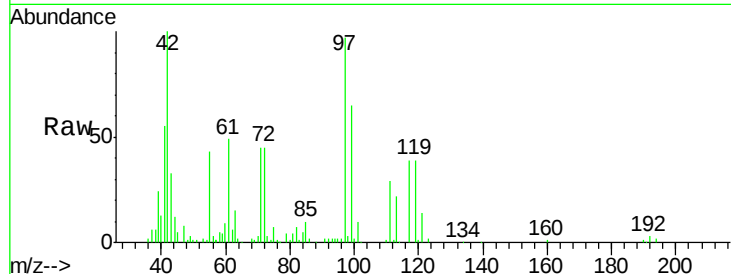




#29
Tetrahydrofuran
Concen: 220.347 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.04 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

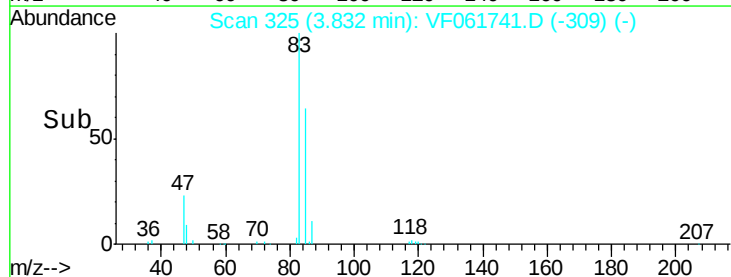
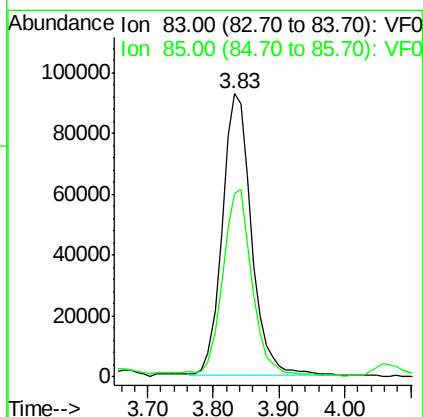
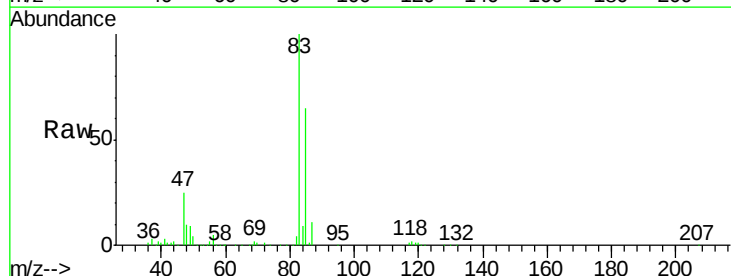
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

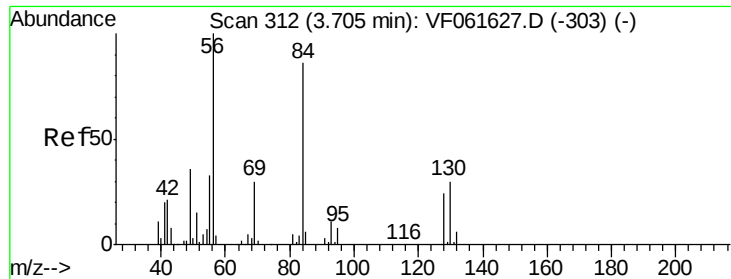
Tot Ion: 42 Resp: 109849
Ion Ratio Lower Upper
42 100
72 41.7 35.2 52.8
71 42.9 32.9 49.3



#30
Chloroform
Concen: 51.801 ug/l
RT: 3.83 min Scan# 325
Delta R.T. -0.04 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion: 83 Resp: 287187
Ion Ratio Lower Upper
83 100
85 64.9 51.1 76.7





#31

Cyclohexane

Concen: 27.385 ug/l

RT: 3.66 min Scan# 308

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

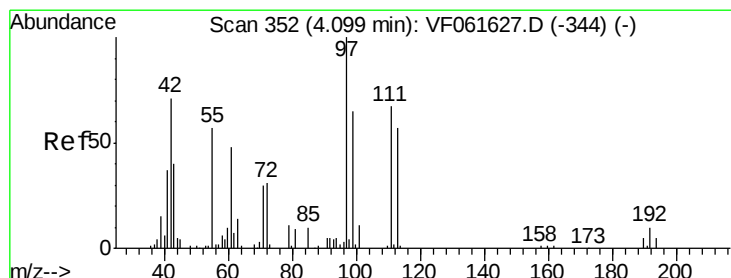
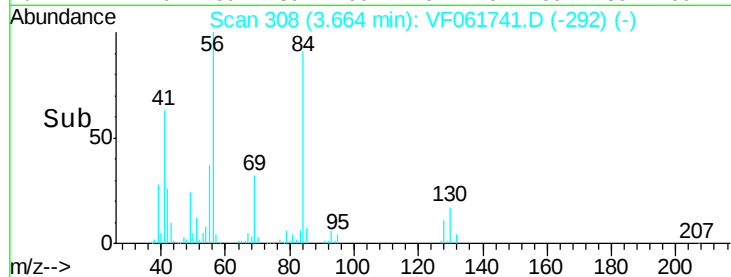
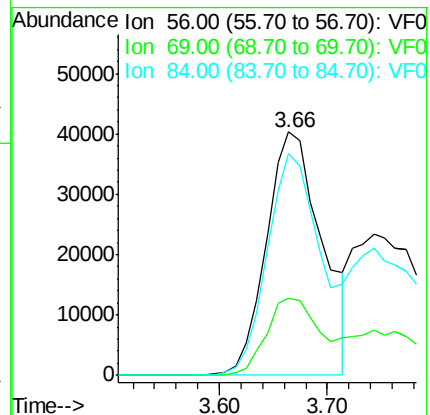
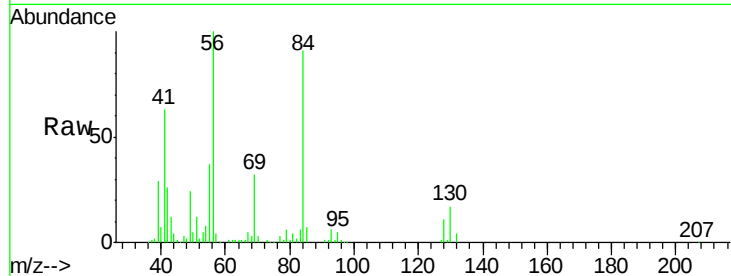
Tot Ion: 56 Resp: 144525

Ion Ratio Lower Upper

56 100

69 31.6 23.8 35.8

84 91.3 68.6 103.0



#32

1,1,1-Trichloroethane

Concen: 45.946 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

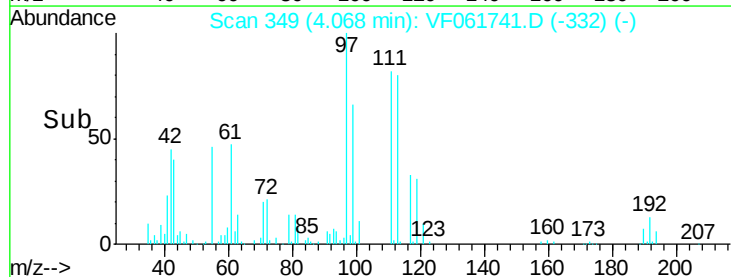
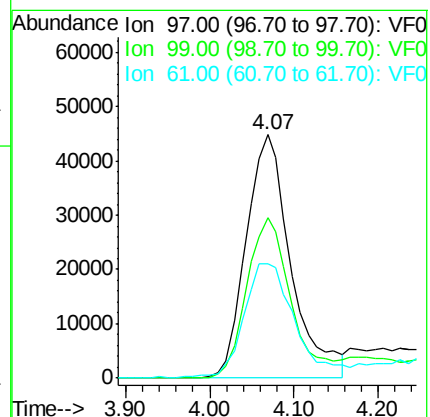
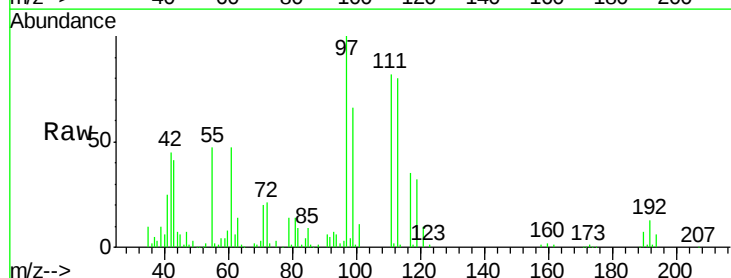
Tgt Ion: 97 Resp: 166861

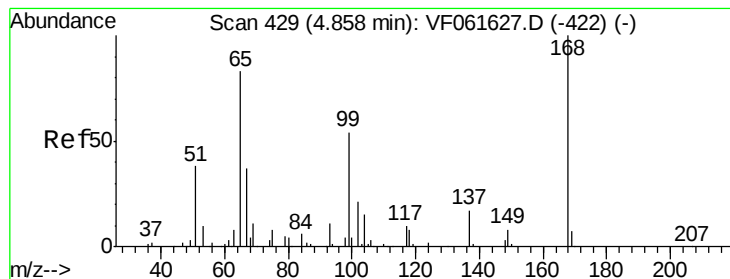
Ion Ratio Lower Upper

97 100

99 65.8 52.2 78.2

61 47.0 39.2 58.8





#33

1,2-Dichloroethane-d4

Concen: 47.844 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

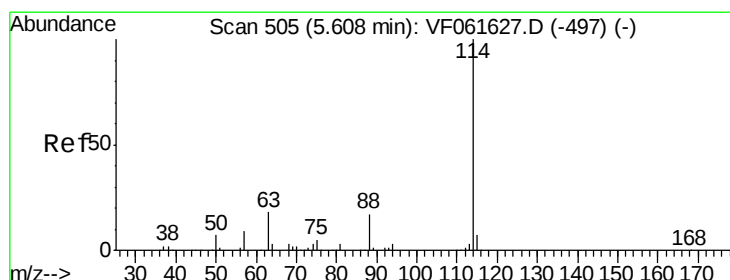
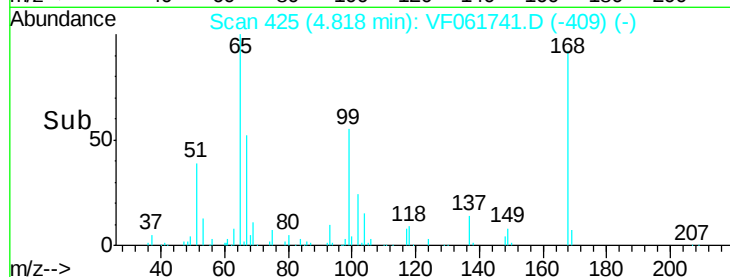
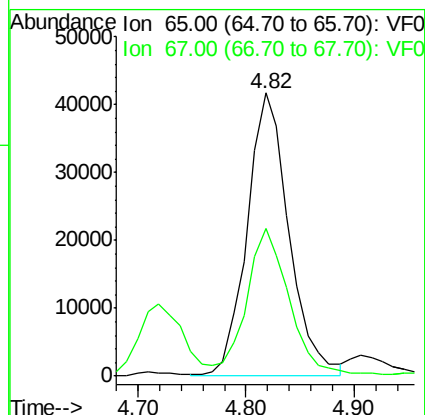
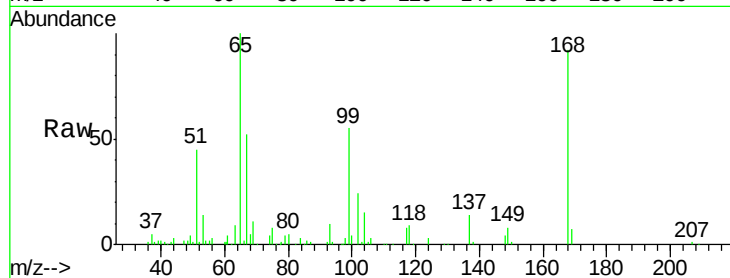
VSTDCCC050

Tot Ion: 65 Resp: 111975

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 501

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

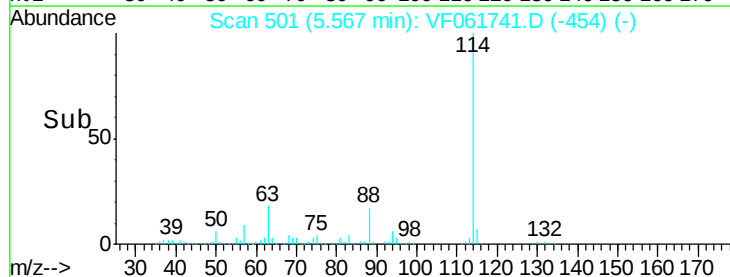
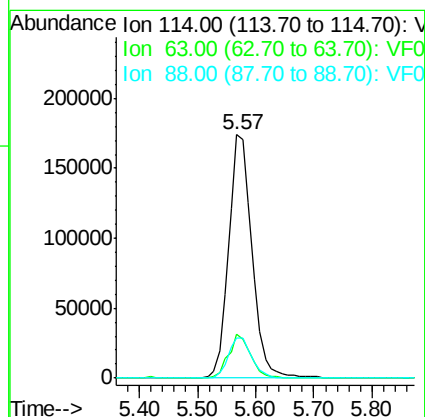
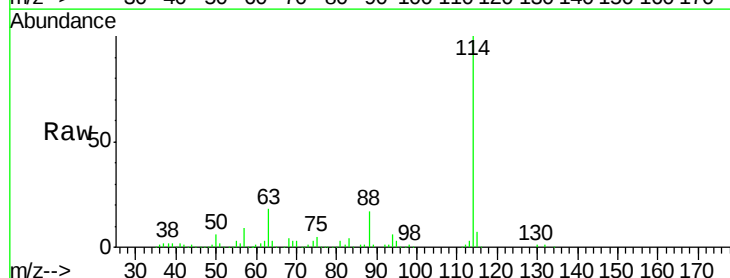
Tgt Ion: 114 Resp: 483411

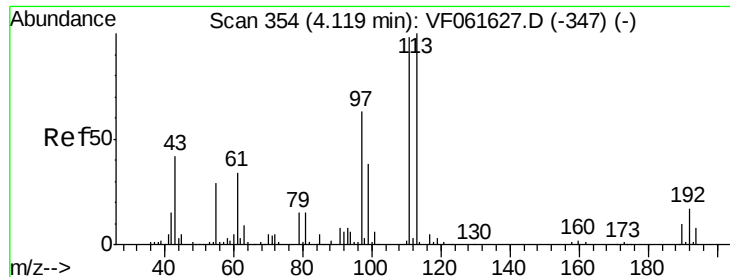
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.6

88 16.7 0.0 34.4





#35

Dibromofluoromethane

Concen: 48.036 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

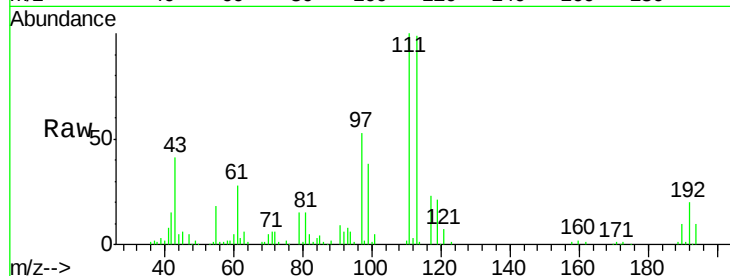
Tot Ion:113 Resp: 172443

Ion Ratio Lower Upper

113 100

111 100.6 78.8 118.2

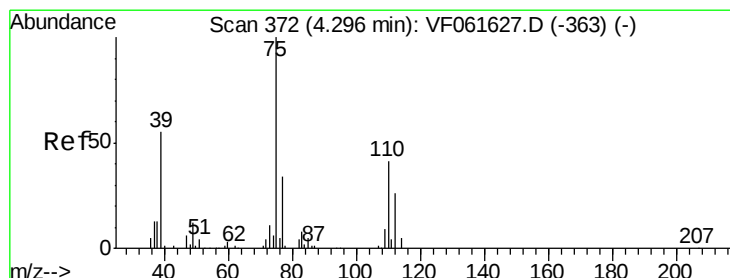
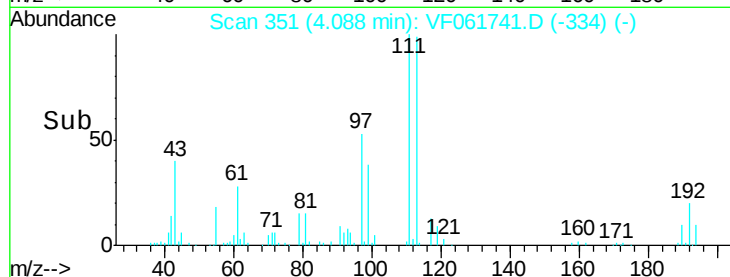
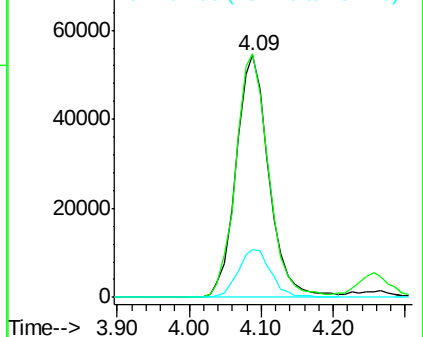
192 20.2 13.4 20.0#



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: 49.848 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

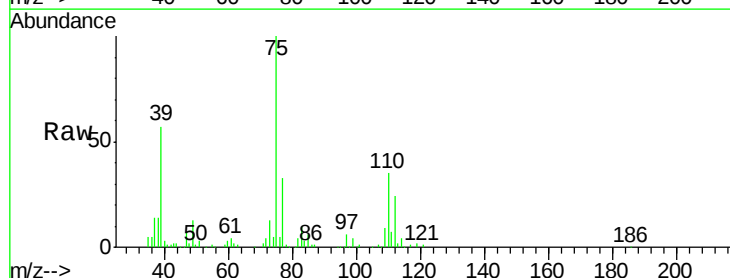
Tgt Ion: 75 Resp: 238713

Ion Ratio Lower Upper

75 100

110 35.2 20.5 61.6

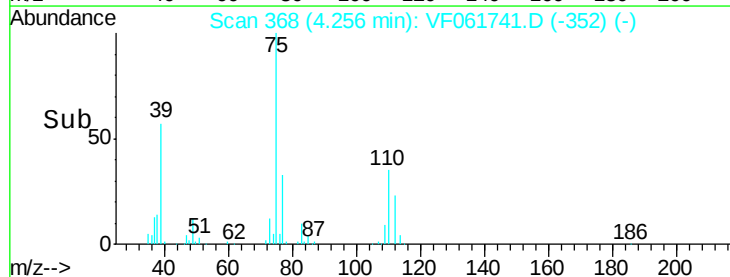
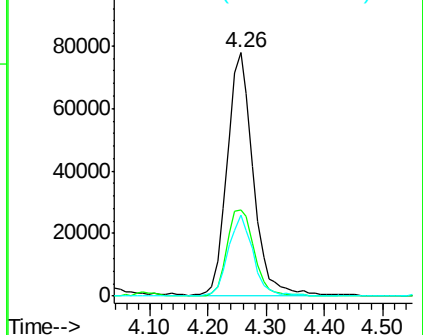
77 33.1 27.0 40.4

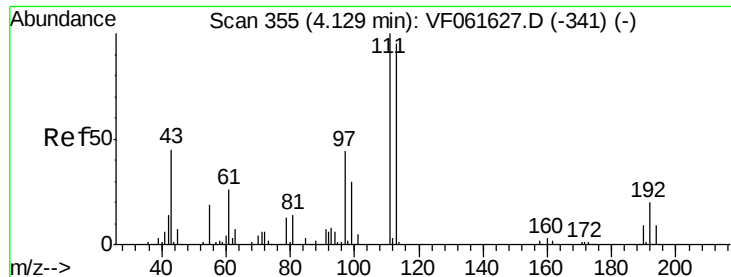


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 41.145 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.05 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

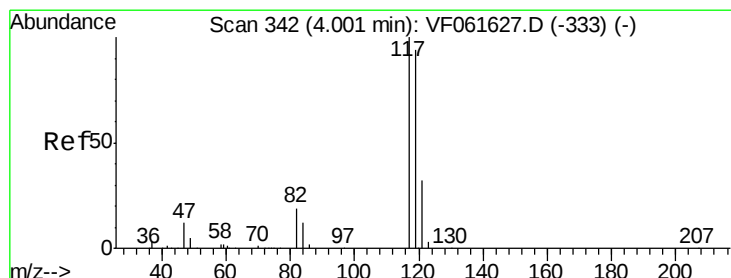
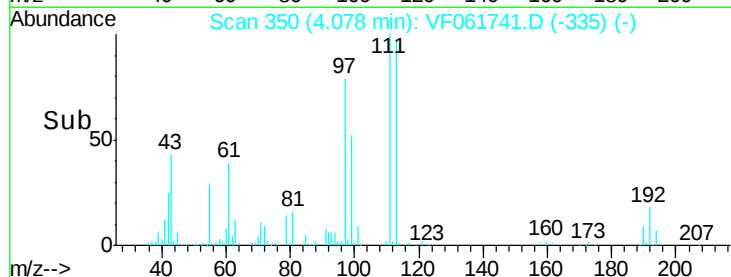
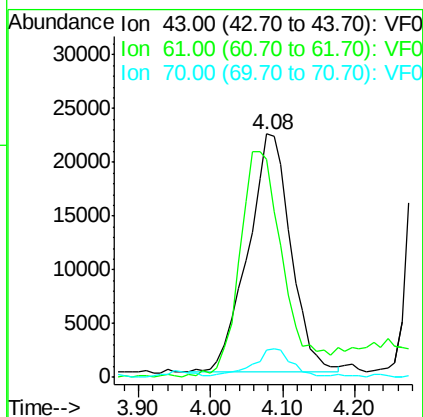
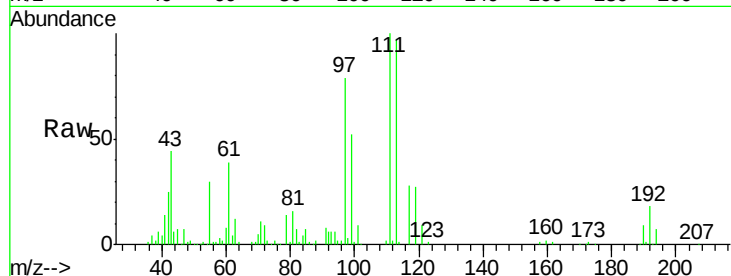
Tot Ion: 43 Resp: 91517

Ion Ratio Lower Upper

43 100

61 89.6 45.7 68.5#

70 11.4 8.5 12.7



#38

Carbon Tetrachloride

Concen: 50.449 ug/l

RT: 3.97 min Scan# 339

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

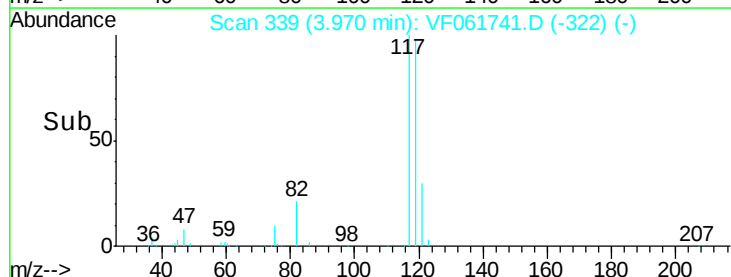
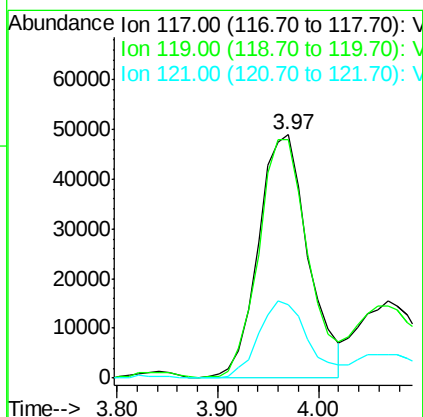
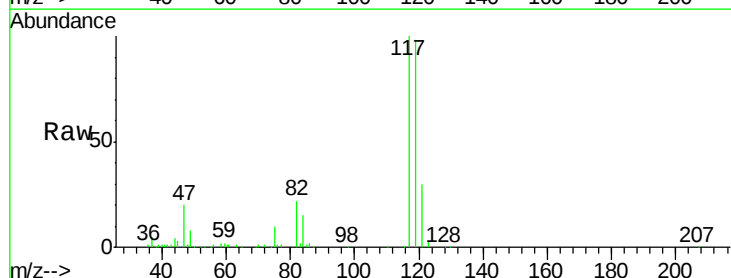
Tgt Ion: 117 Resp: 166821

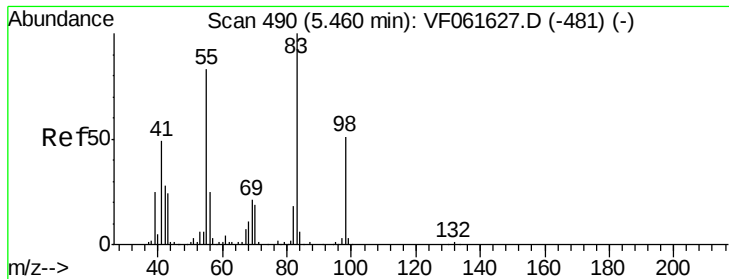
Ion Ratio Lower Upper

117 100

119 97.9 75.6 113.4

121 29.9 25.2 37.8

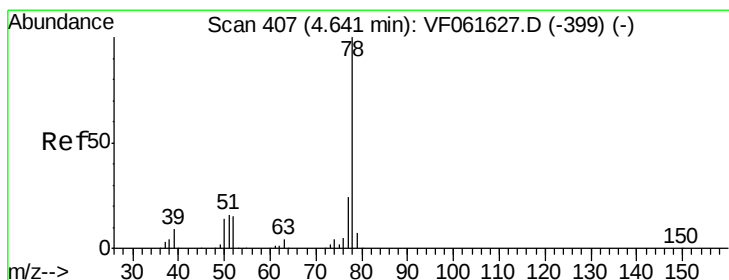
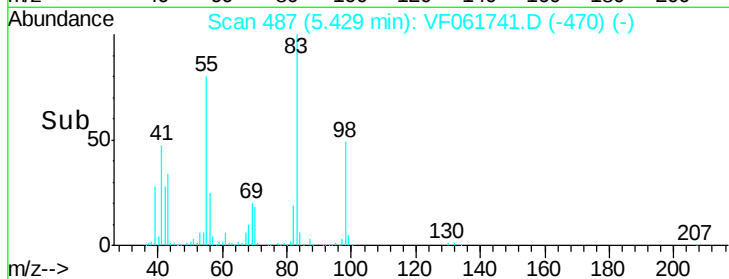
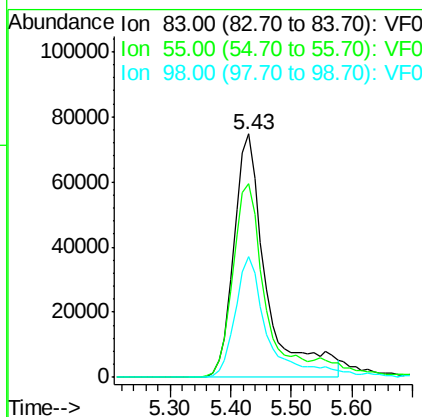
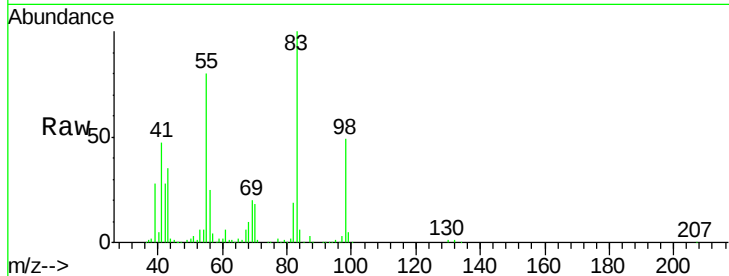




#39
Methvlcvclohexane
Concen: 49.411 ug/l
RT: 5.43 min Scan# 487
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

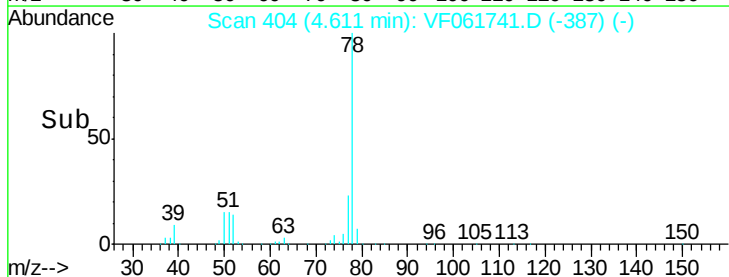
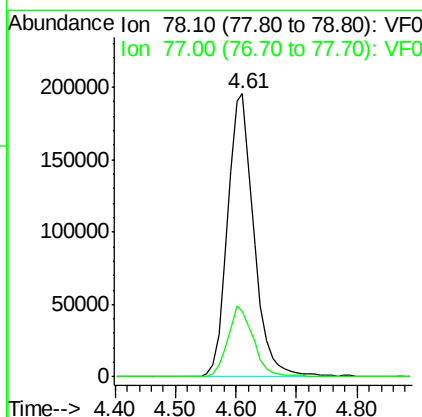
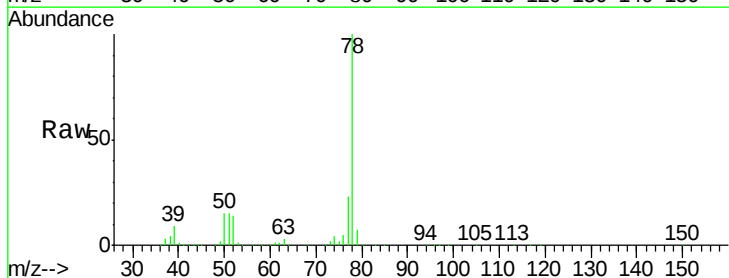
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

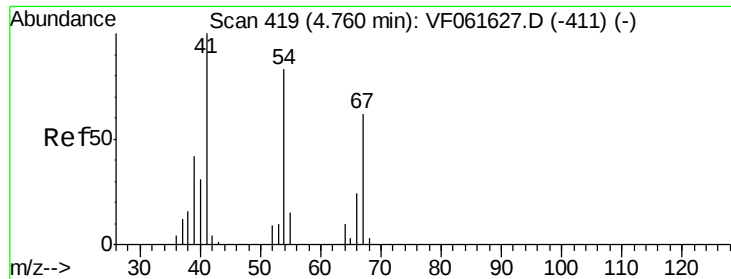
Tot Ion: 83 Resp: 279839
Ion Ratio Lower Upper
83 100
55 79.6 66.6 99.8
98 49.4 40.4 60.6



#40
Benzene
Concen: 47.151 ug/l
RT: 4.61 min Scan# 404
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion: 78 Resp: 590608
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6

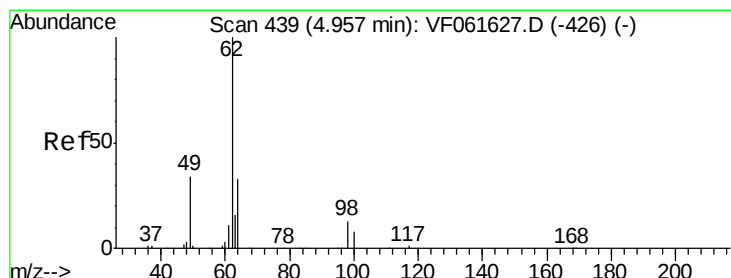
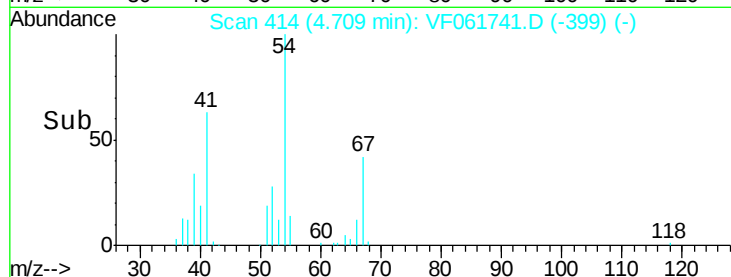
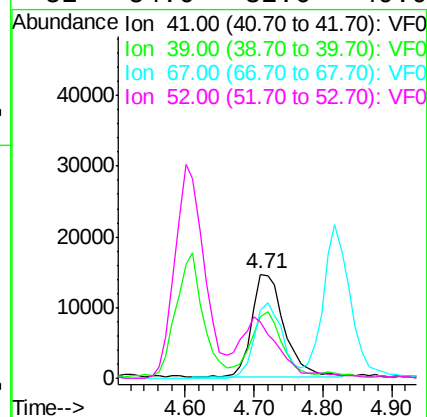
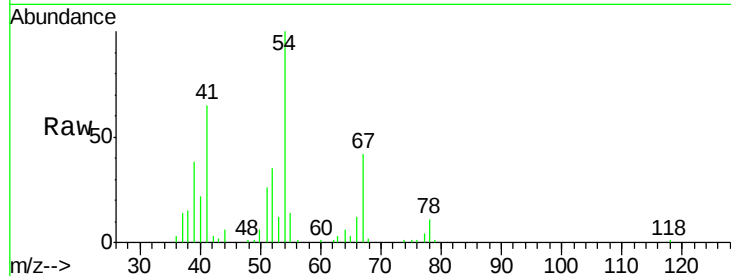




#41
Methacrylonitrile
Concen: 41.813 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.05 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

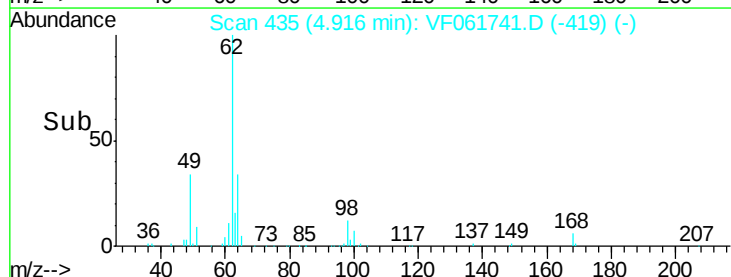
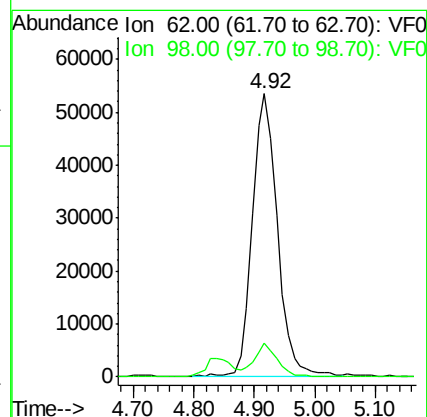
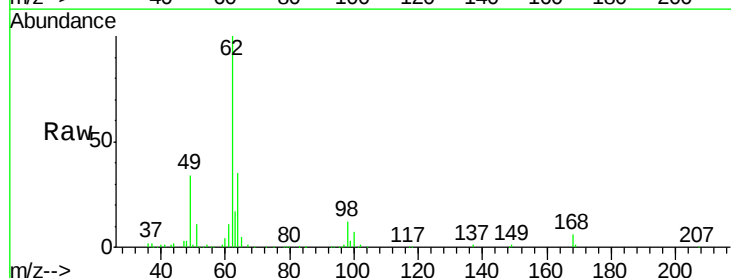
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 47562
Ion Ratio Lower Upper
41 100
39 59.3 45.3 67.9
67 65.0 49.3 73.9
52 54.6 32.6 49.0#



#42
1,2-Dichloroethane
Concen: 51.757 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.04 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion: 62 Resp: 155077
Ion Ratio Lower Upper
62 100
98 12.0 0.0 26.0



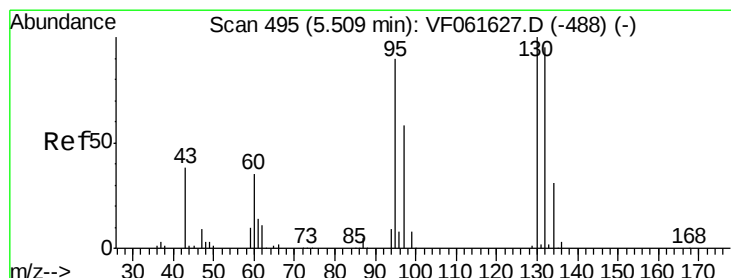
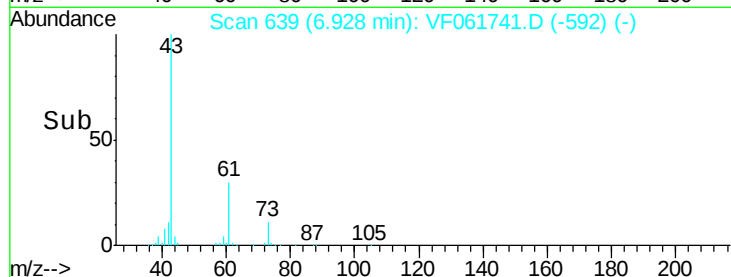
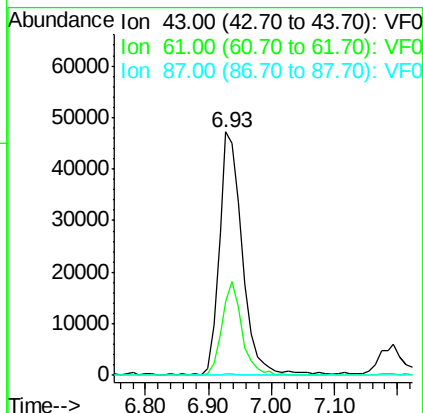
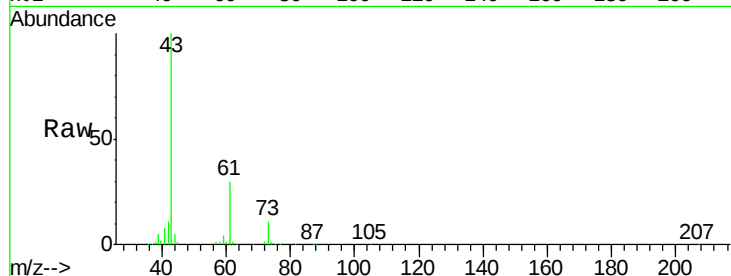


#43

Isopropyl Acetate
 Concen: 45.024 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.04 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

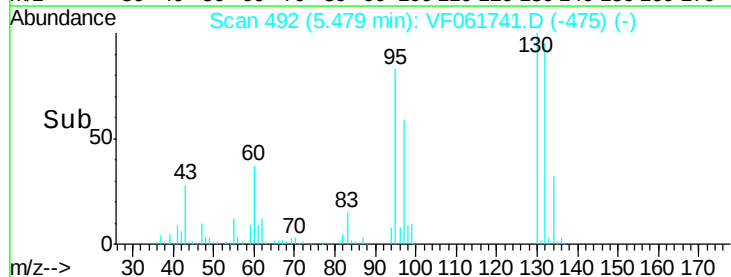
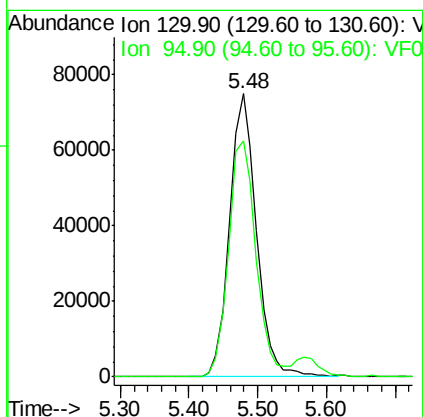
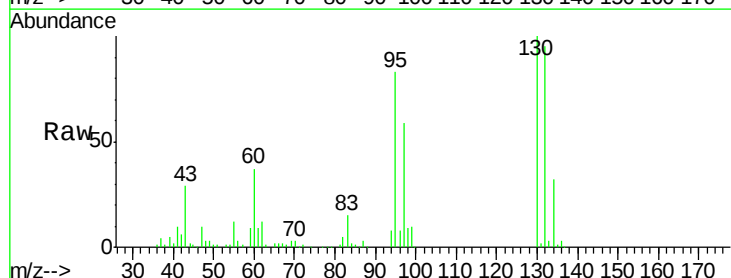
Tot Ion: 43 Resp: 118542
 Ion Ratio Lower Upper
 43 100
 61 30.3 25.8 38.6
 87 0.5 0.4 0.6

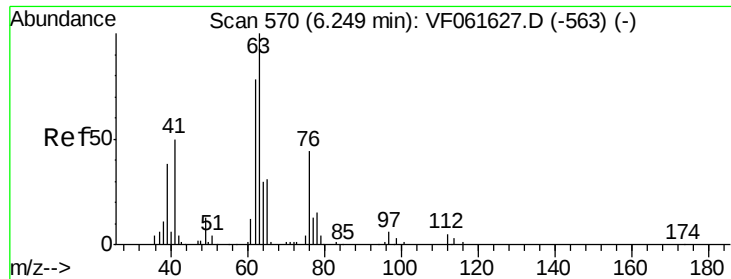


#44

Trichloroethene
 Concen: 50.150 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion: 130 Resp: 203137
 Ion Ratio Lower Upper
 130 100
 95 83.4 0.0 179.4





#45

1,2-Dichloropropane

Concen: 50.055 ug/l

RT: 6.21 min Scan# 566

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

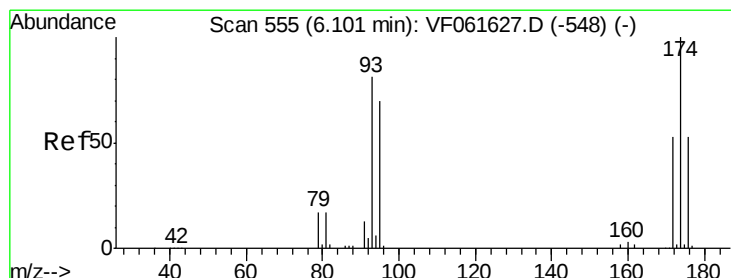
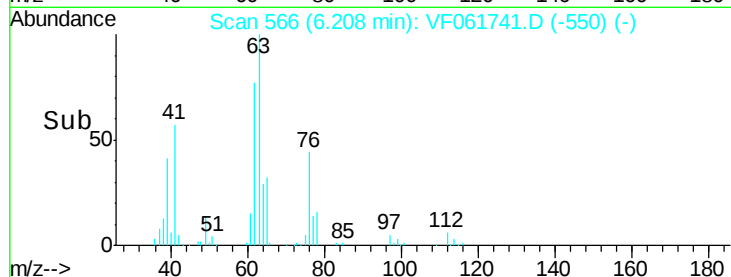
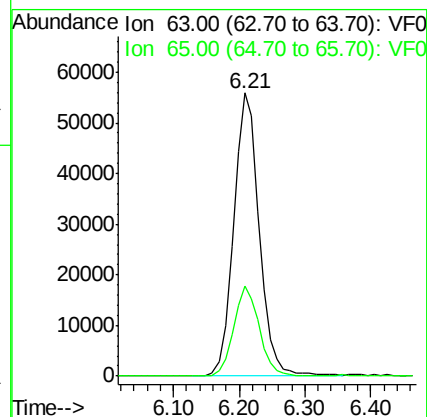
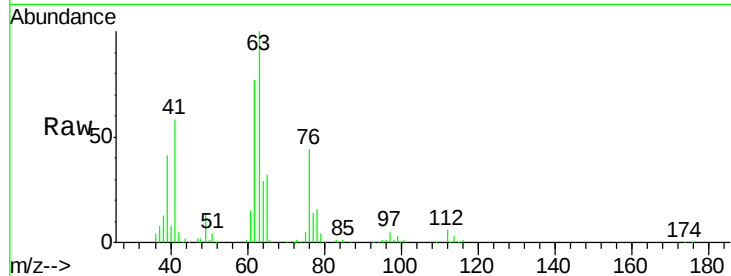
VSTDCCC050

Tot Ion: 63 Resp: 151553

Ion Ratio Lower Upper

63 100

65 31.9 24.9 37.3



#46

Dibromomethane

Concen: 50.138 ug/l

RT: 6.06 min Scan# 551

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

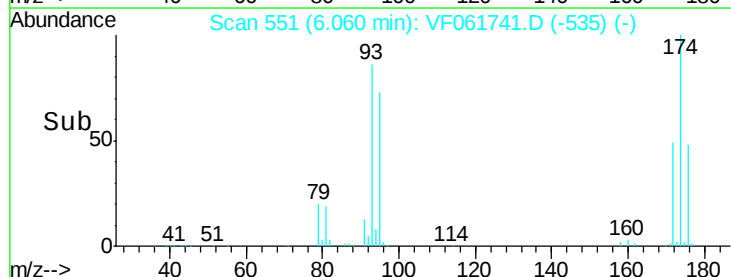
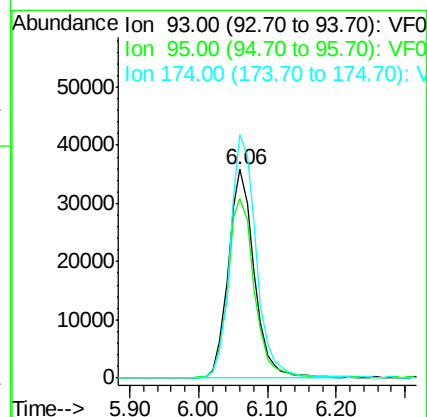
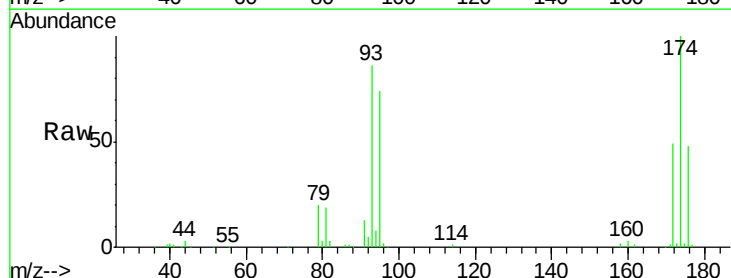
Tgt Ion: 93 Resp: 93467

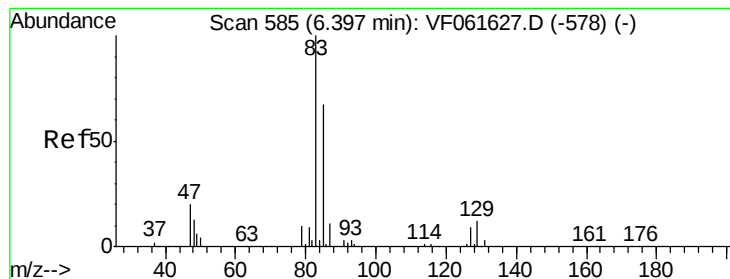
Ion Ratio Lower Upper

93 100

95 85.8 69.0 103.6

174 116.6 99.3 148.9





#47

Bromodichloromethane

Concen: 51.451 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

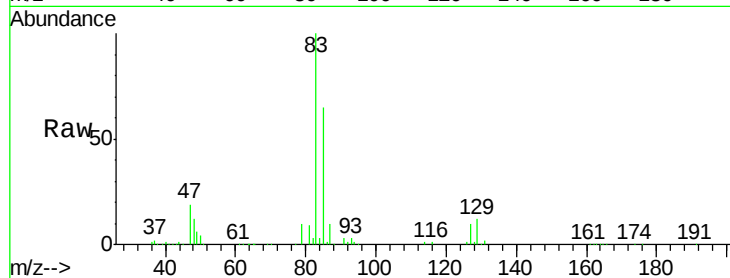
Tot Ion: 83 Resp: 210042

Ion Ratio Lower Upper

83 100

85 65.0 53.4 80.2

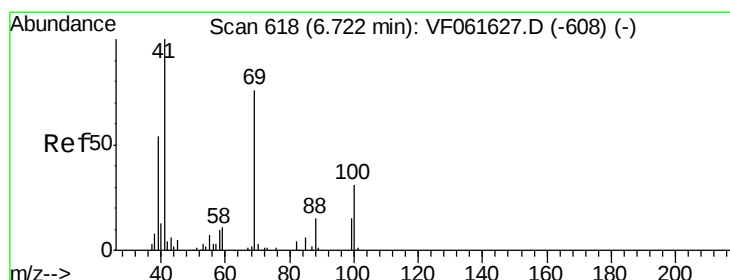
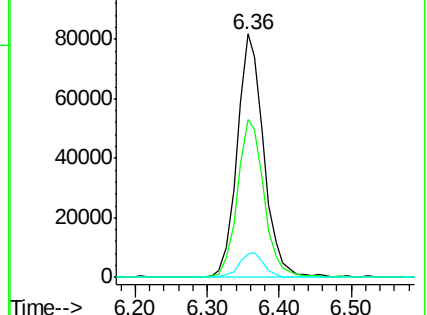
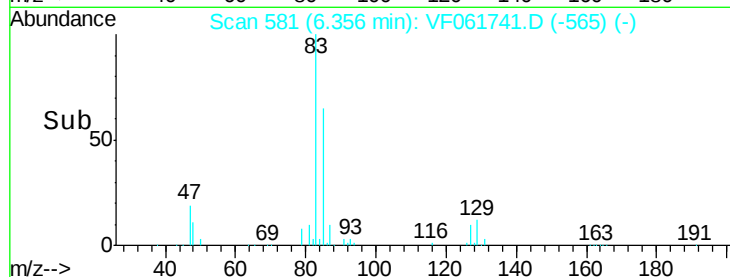
127 9.9 7.5 11.3



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: 46.513 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

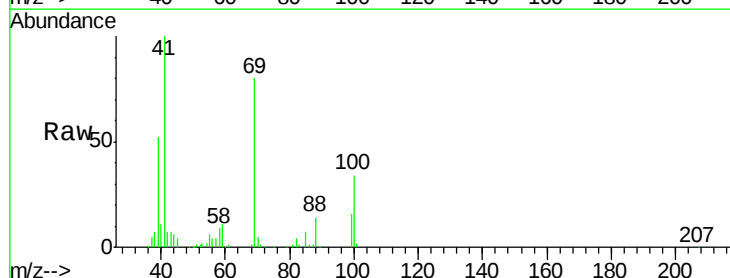
Tgt Ion: 41 Resp: 73696

Ion Ratio Lower Upper

41 100

69 80.4 60.4 90.6

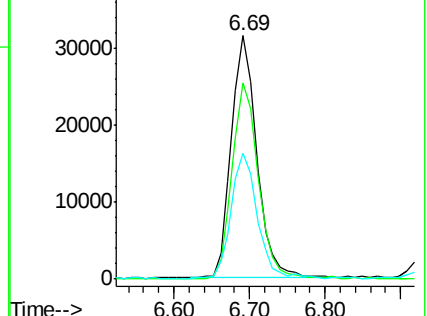
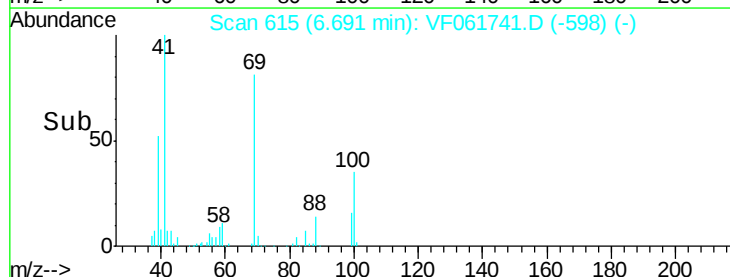
39 51.7 43.7 65.5

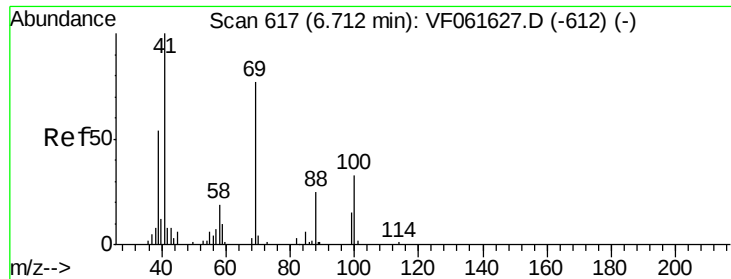


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 978.496 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

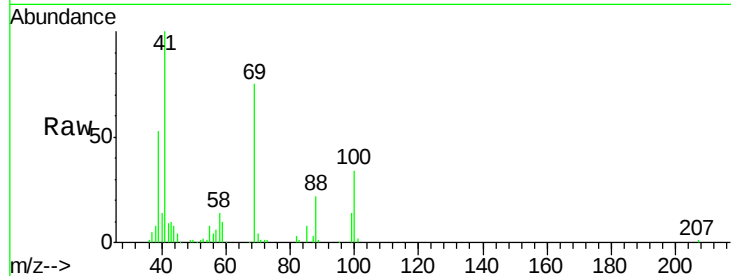
Tot Ion: 88 Resp: 14574

Ion Ratio Lower Upper

88 100

43 43.9 32.3 48.5

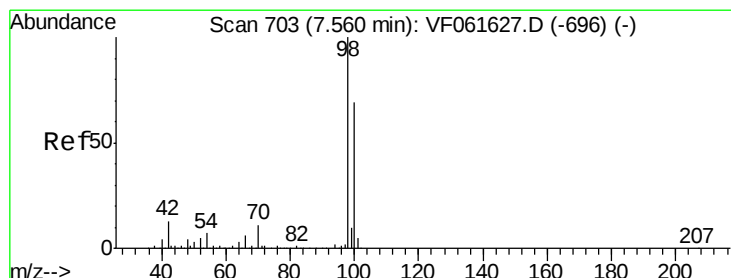
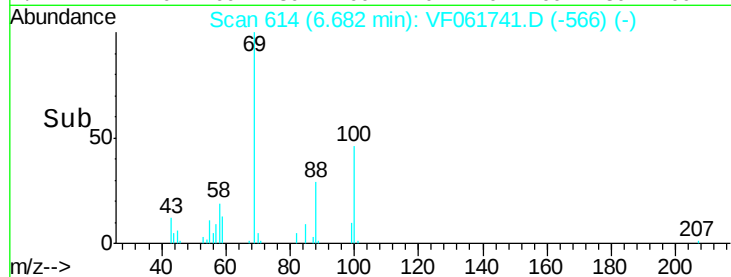
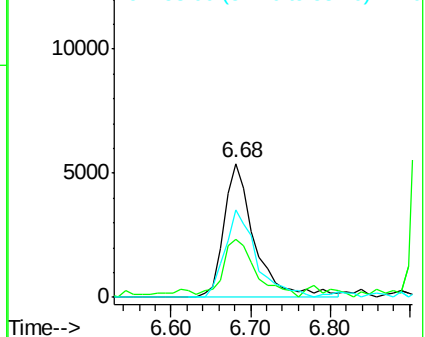
58 65.0 59.4 89.2



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.050 ug/l

RT: 7.53 min Scan# 700

Delta R.T. -0.03 min

Lab File: VF061741.D

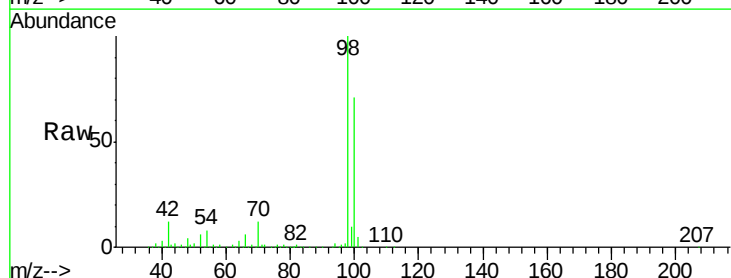
Acq: 26 Feb 2019 14:20

Tgt Ion: 98 Resp: 485549

Ion Ratio Lower Upper

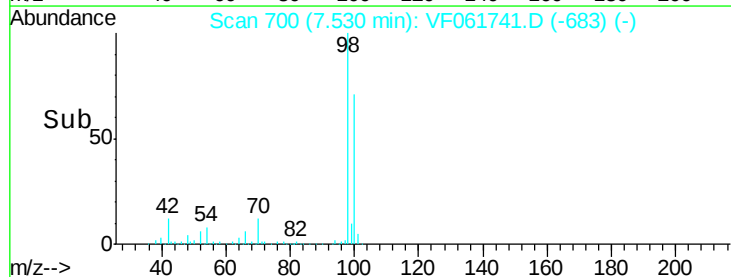
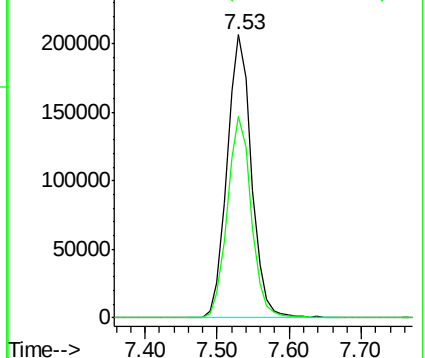
98 100

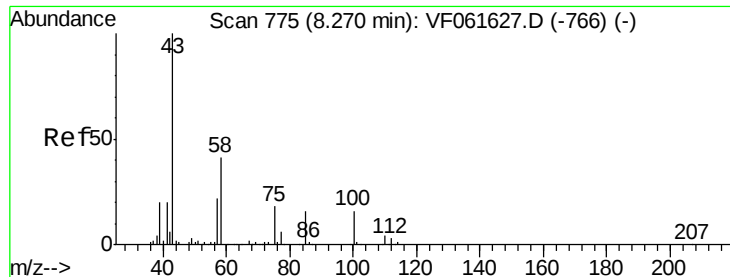
100 71.0 55.4 83.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 212.756 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

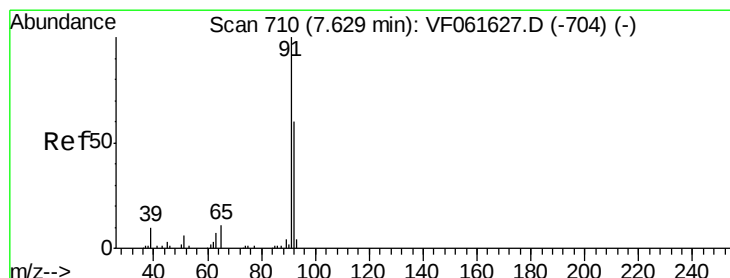
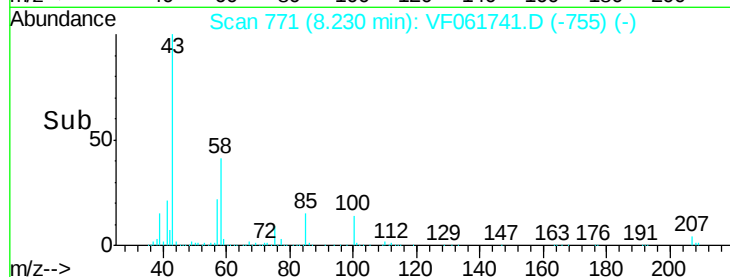
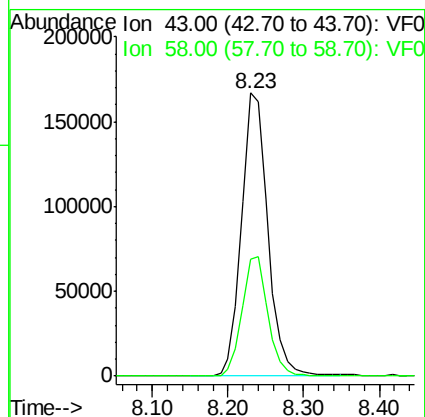
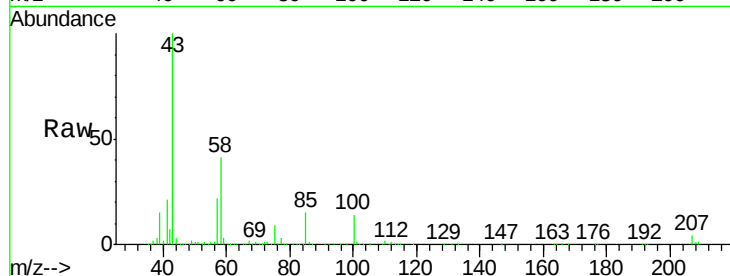
VSTDCCC050

Tot Ion: 43 Resp: 400247

Ion Ratio Lower Upper

43 100

58 41.2 33.1 49.7



#52

Toluene

Concen: 49.217 ug/l

RT: 7.60 min Scan# 707

Delta R.T. -0.03 min

Lab File: VF061741.D

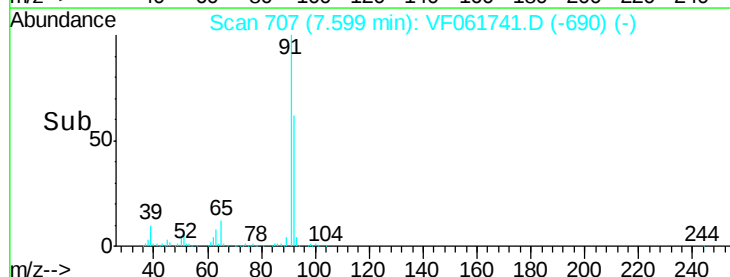
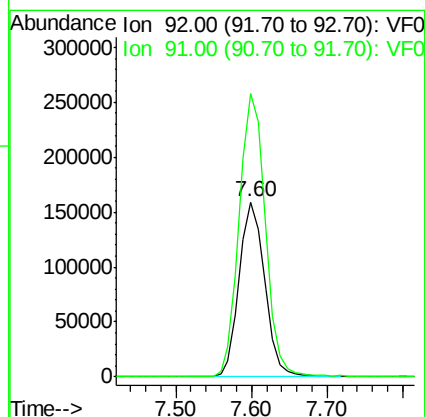
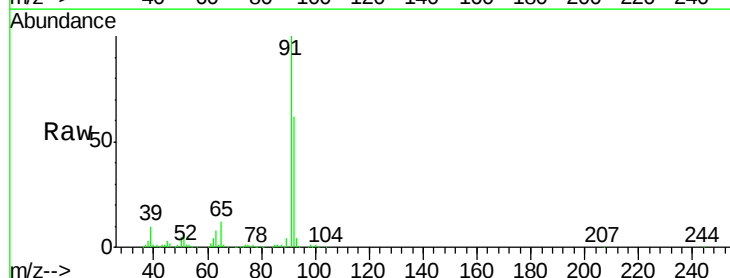
Acq: 26 Feb 2019 14:20

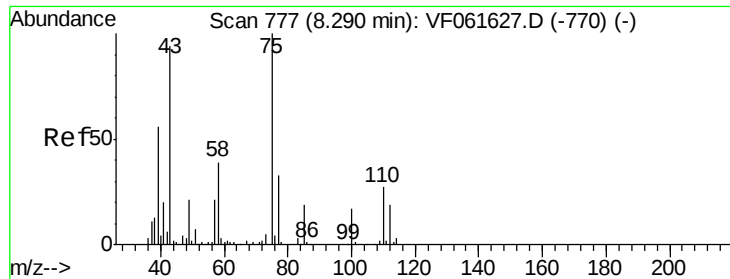
Tgt Ion: 92 Resp: 373891

Ion Ratio Lower Upper

92 100

91 161.7 133.9 200.9





#53

t-1,3-Dichloropropene

Concen: 49.396 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

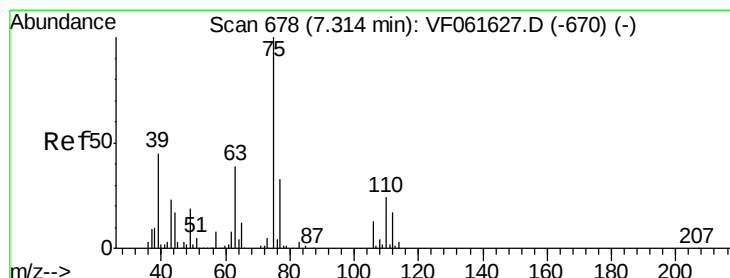
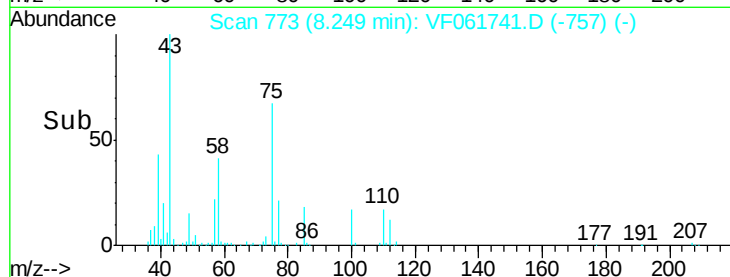
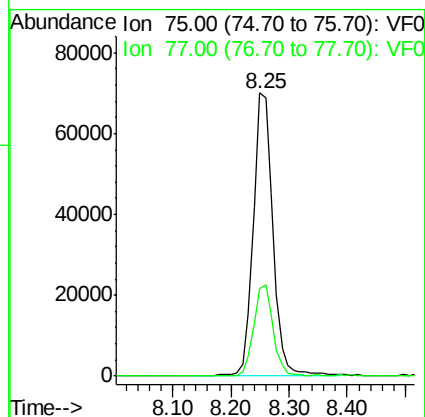
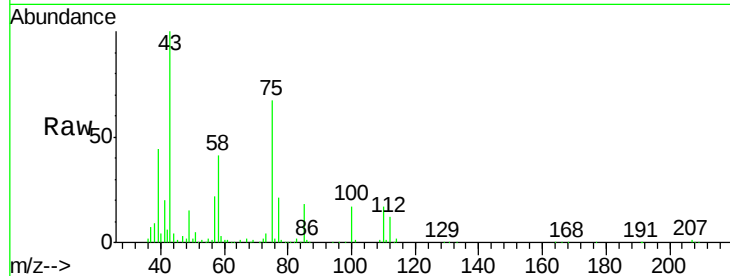
VSTDCCC050

Tot Ion: 75 Resp: 167826

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 53.250 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

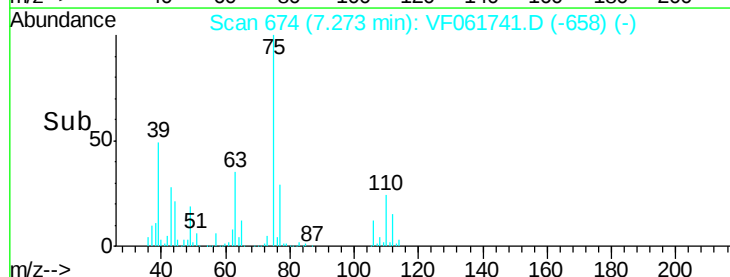
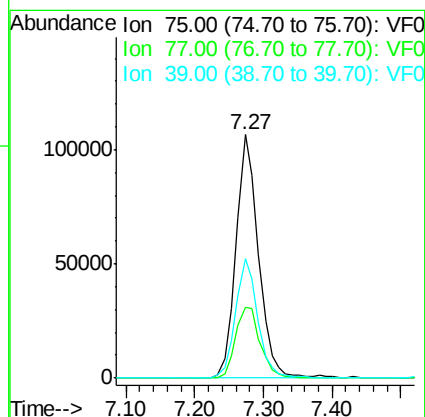
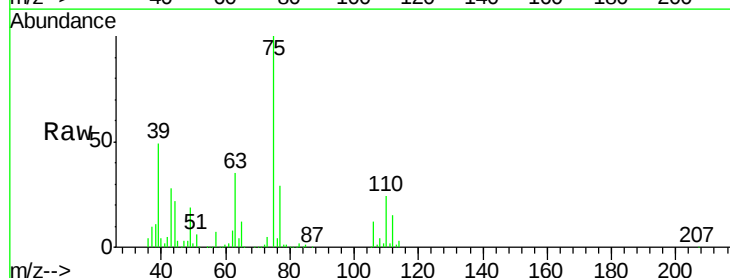
Tgt Ion: 75 Resp: 240985

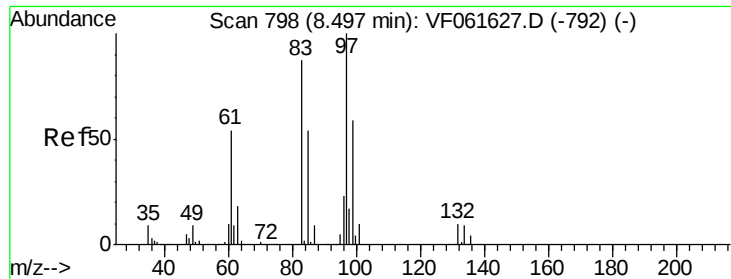
Ion Ratio Lower Upper

75 100

77 28.9 26.4 39.6

39 48.9 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 49.128 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 109652

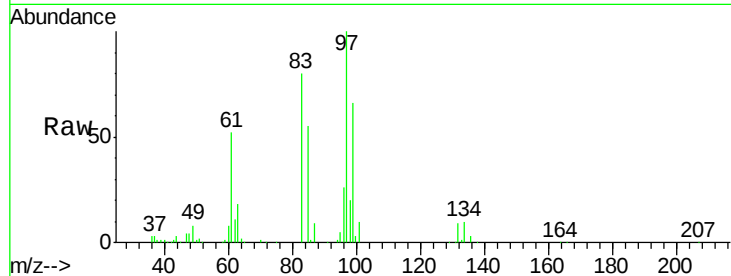
Ion Ratio Lower Upper

97 100

83 79.6 69.2 103.8

85 55.5 43.0 64.4

99 65.6 47.2 70.8

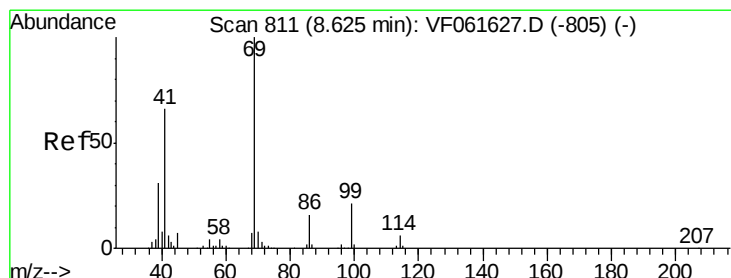
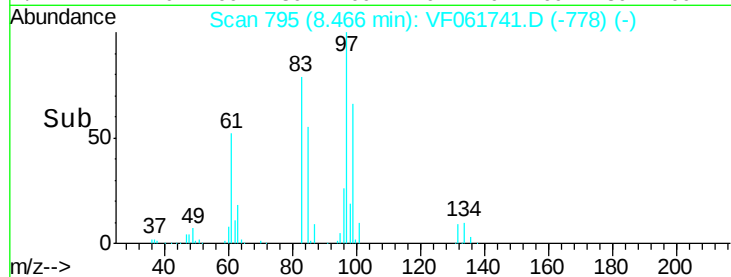
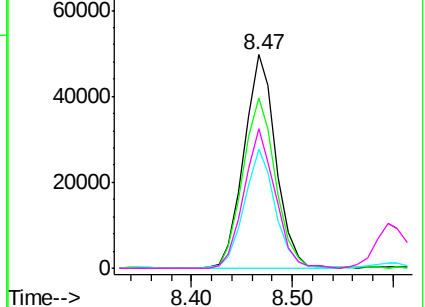


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 44.015 ug/l

RT: 8.59 min Scan# 808

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

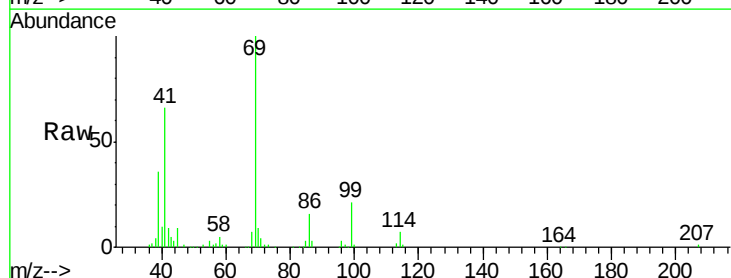
Tgt Ion: 69 Resp: 109378

Ion Ratio Lower Upper

69 100

41 66.4 52.9 79.3

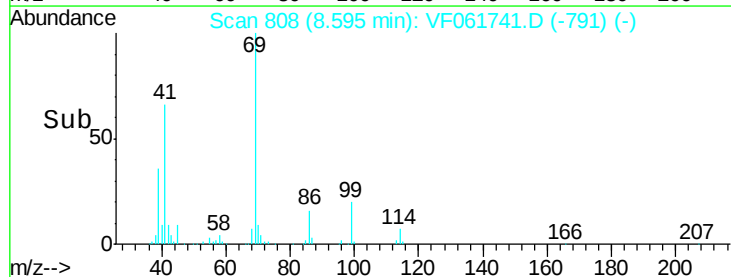
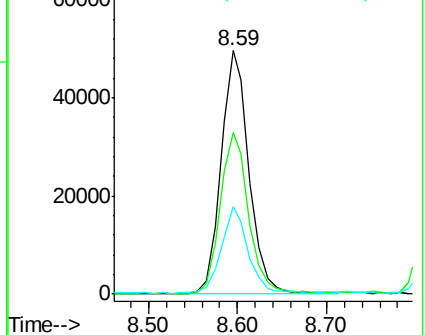
39 36.1 24.5 36.7

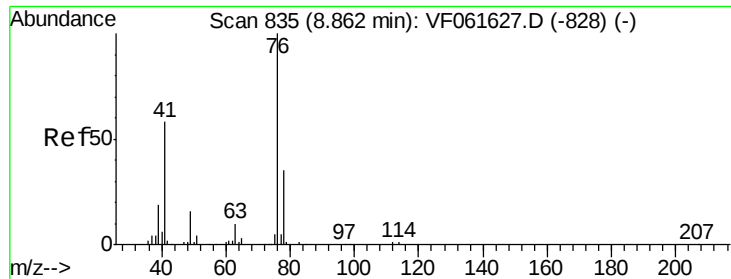


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.153 ug/l

RT: 8.83 min Scan# 832

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

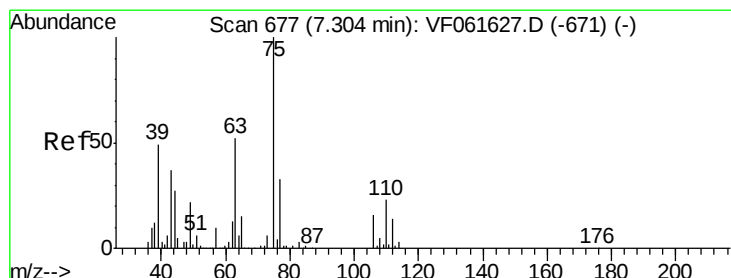
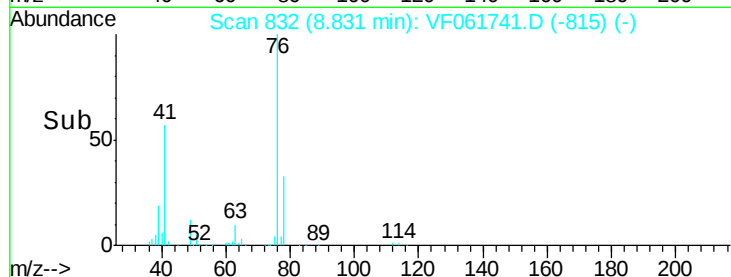
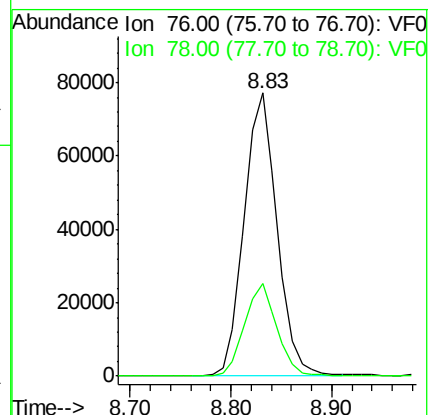
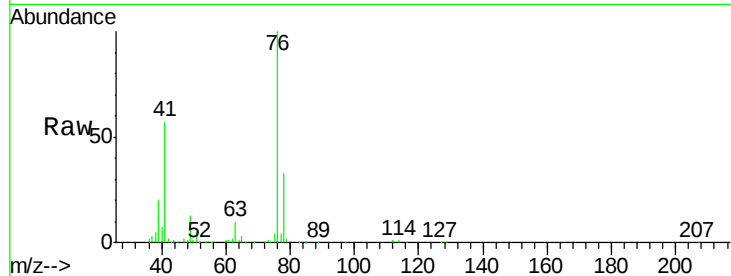
VSTDCCC050

Tot Ion: 76 Resp: 175667

Ion Ratio Lower Upper

76 100

78 32.8 27.8 41.6



#58

2-Chloroethyl Vinyl ether

Concen: 208.309 ug/l

RT: 7.27 min Scan# 674

Delta R.T. -0.03 min

Lab File: VF061741.D

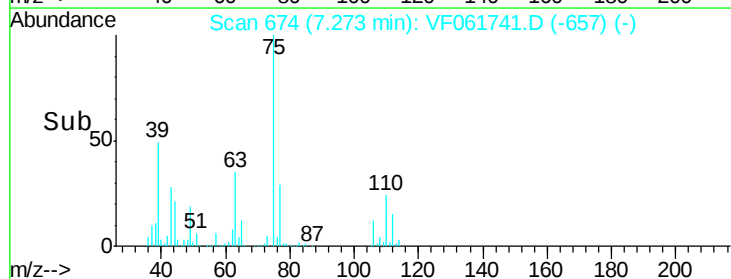
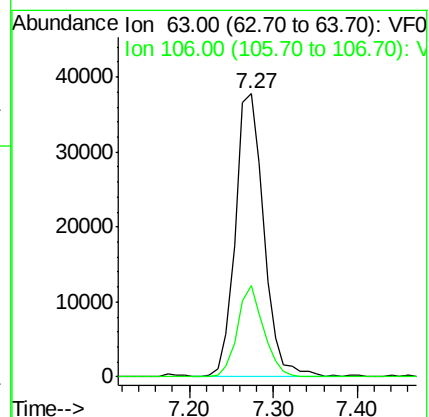
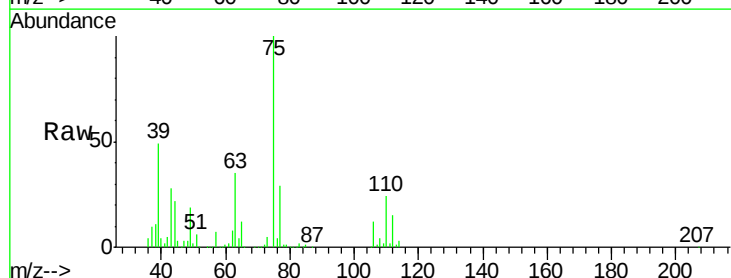
Acq: 26 Feb 2019 14:20

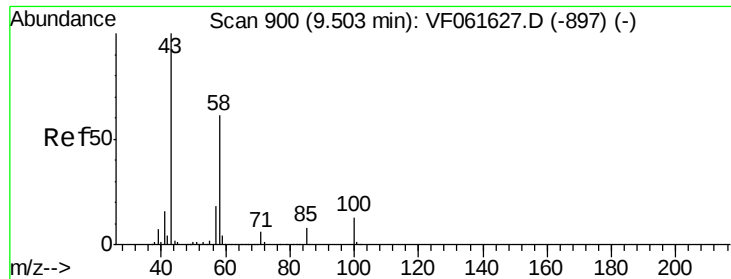
Tgt Ion: 63 Resp: 89313

Ion Ratio Lower Upper

63 100

106 32.5 24.6 36.8

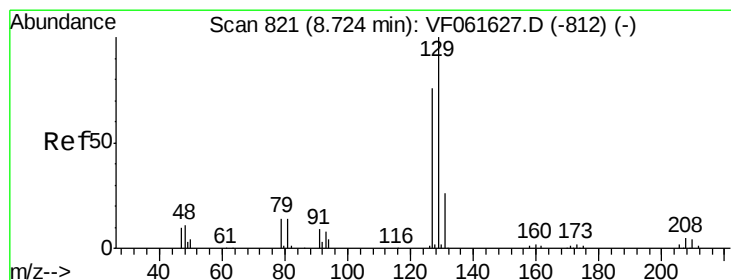
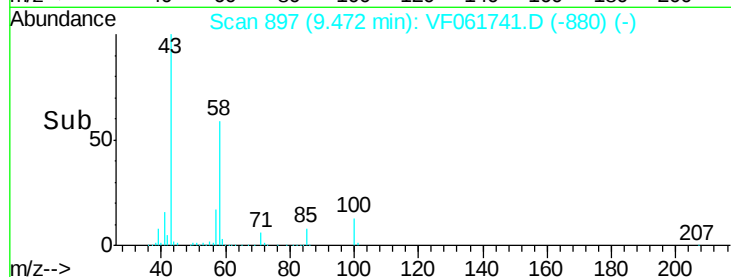
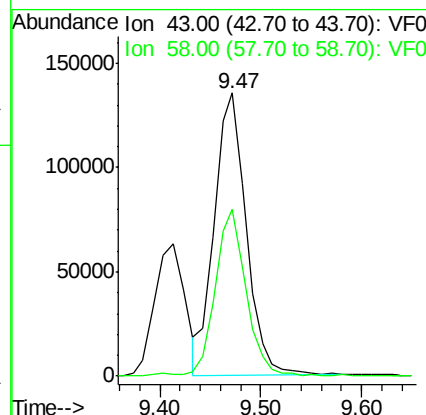
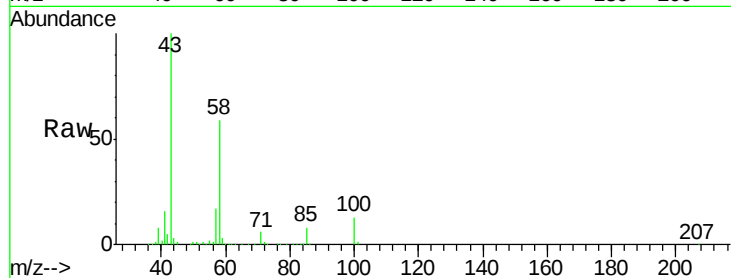




#59
2-Hexanone
Concen: 225.584 ug/l
RT: 9.47 min Scan# 897
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

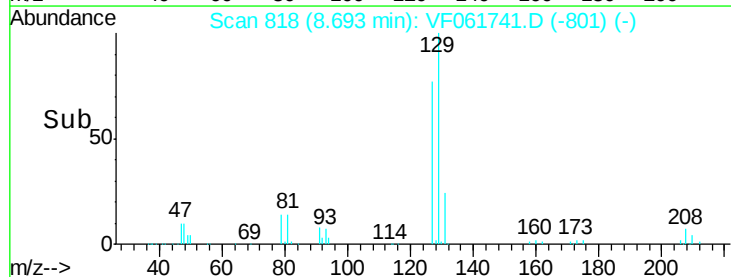
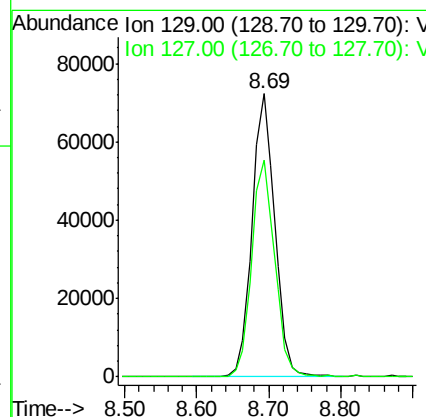
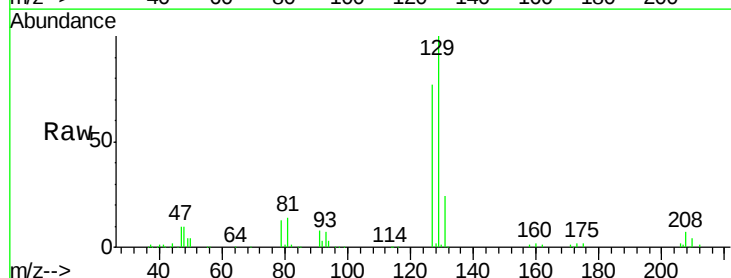
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

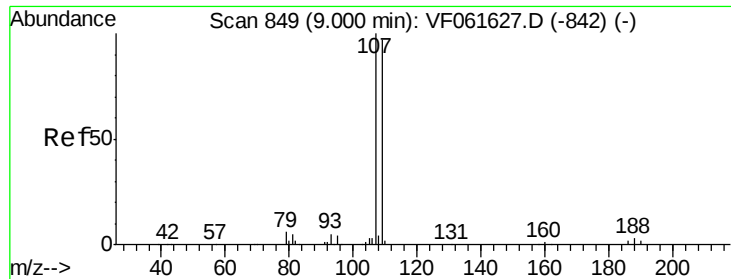
Tot Ion: 43 Resp: 297479
Ion Ratio Lower Upper
43 100
58 58.9 28.5 85.5



#60
Dibromochloromethane
Concen: 51.649 ug/l
RT: 8.69 min Scan# 818
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion: 129 Resp: 160456
Ion Ratio Lower Upper
129 100
127 76.6 37.8 113.4





#61

1,2-Dibromoethane

Concen: 46.016 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.04 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

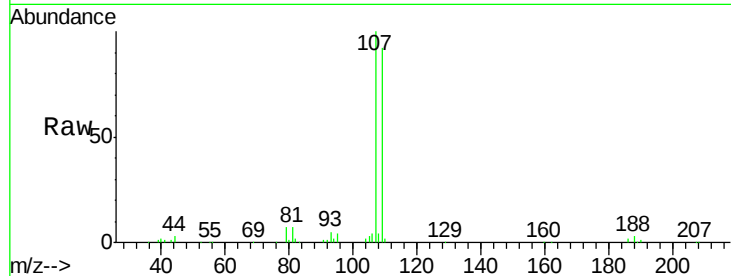
VSTDCCC050

Tot Ion:107 Resp: 111399

Ion Ratio Lower Upper

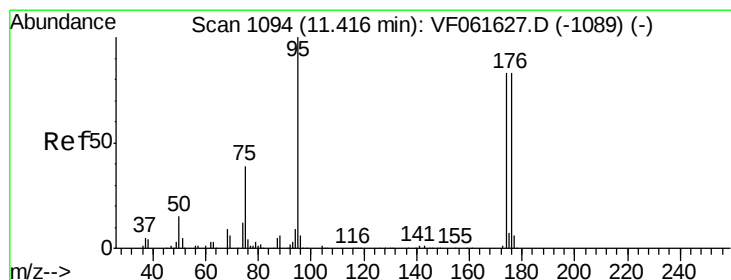
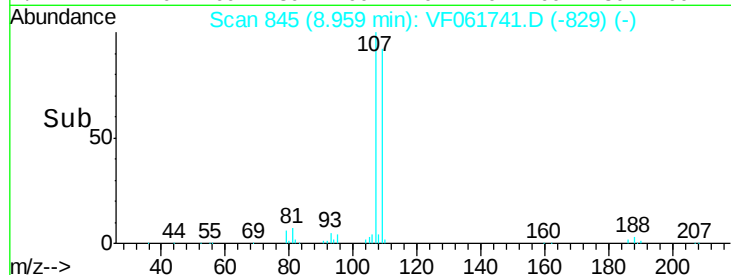
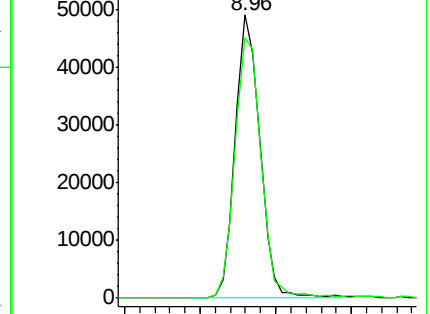
107 100

109 92.0 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: 46.781 ug/l

RT: 11.39 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

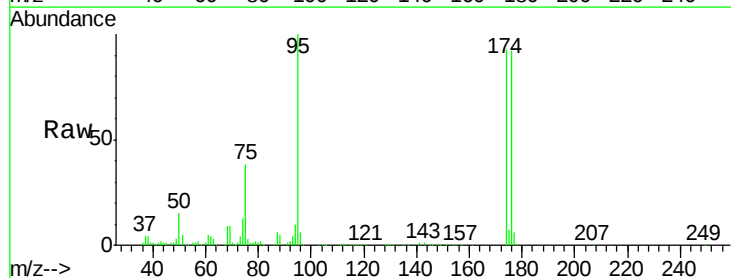
Tgt Ion: 95 Resp: 195336

Ion Ratio Lower Upper

95 100

174 92.9 0.0 165.8

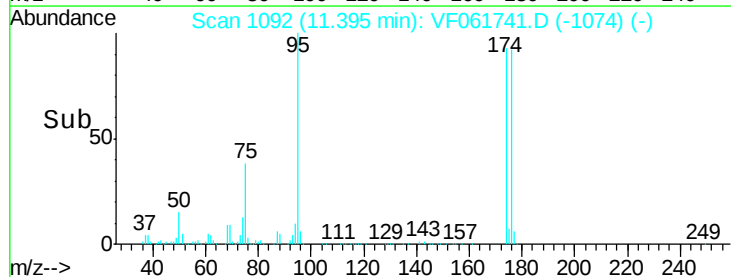
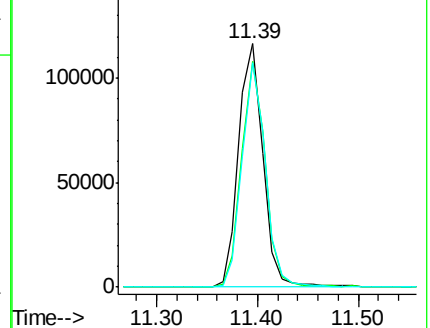
176 92.2 0.0 167.0

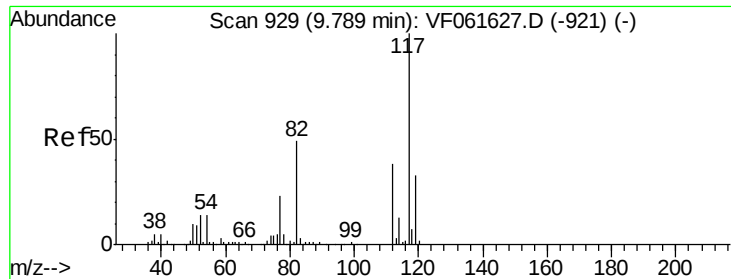


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

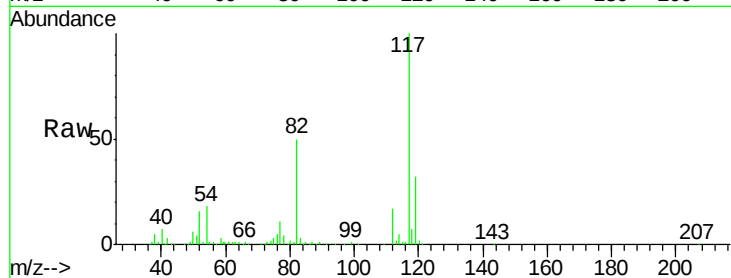




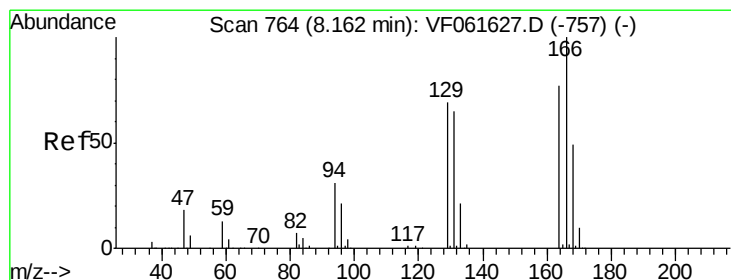
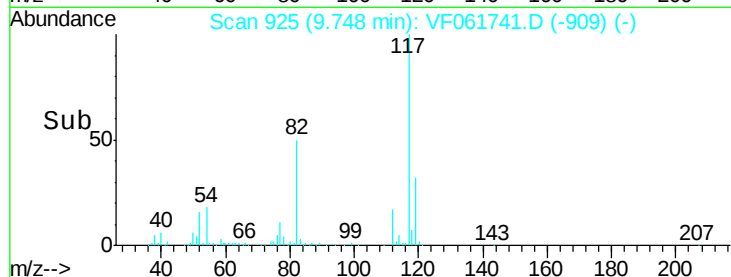
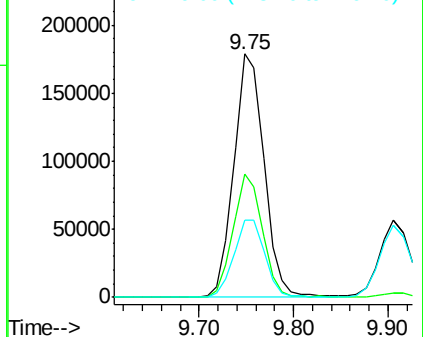
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.04 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.4	39.3	58.9
119	31.9	26.6	40.0



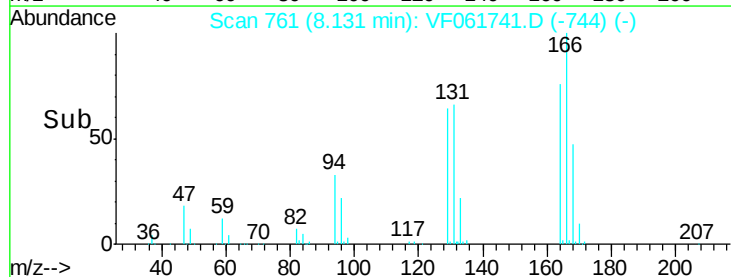
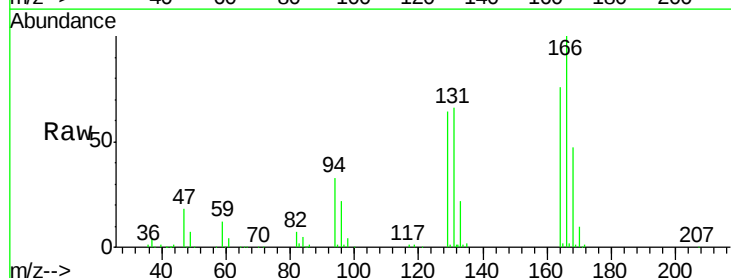
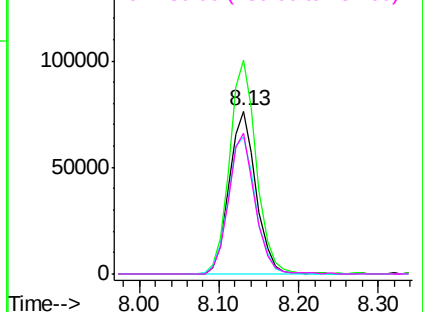
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

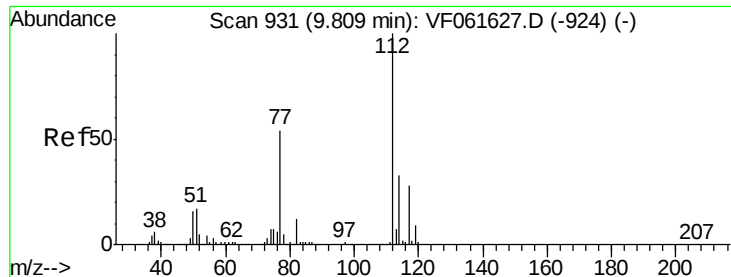


#64
Tetrachloroethene
Concen: 55.281 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	103.9	155.9
129	84.3	71.3	106.9
131	86.2	67.1	100.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 51.343 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

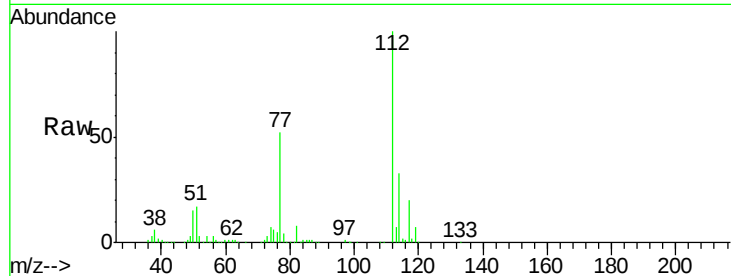
VSTDCCC050

Tot Ion:112 Resp: 414715

Ion Ratio Lower Upper

112 100

114 33.3 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.78

200000

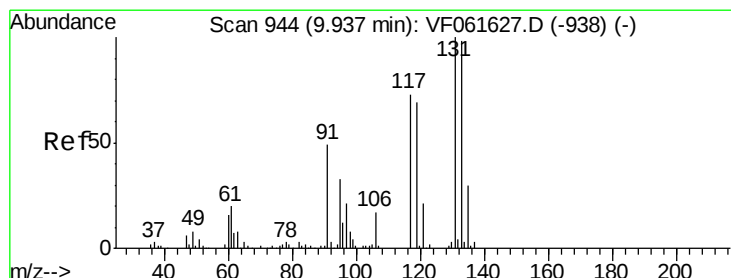
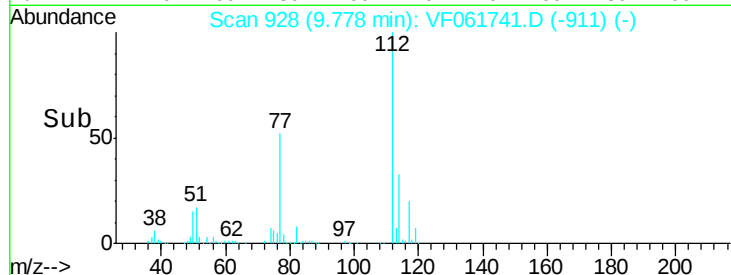
150000

100000

50000

0

Time--> 9.60 9.80 10.00



#66

1,1,1,2-Tetrachloroethane

Concen: 55.038 ug/l

RT: 9.91 min Scan# 941

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

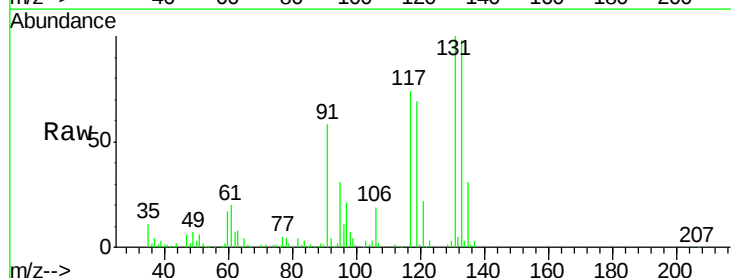
Tgt Ion:131 Resp: 174200

Ion Ratio Lower Upper

131 100

133 98.0 48.9 146.6

119 68.7 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.91

100000

80000

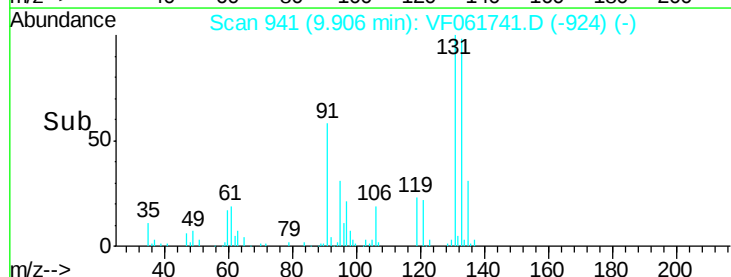
60000

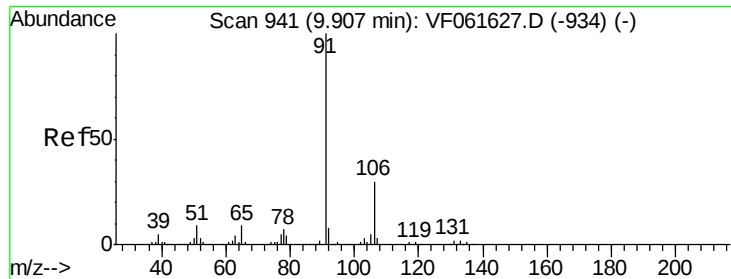
40000

20000

0

Time--> 9.80 9.90 10.00

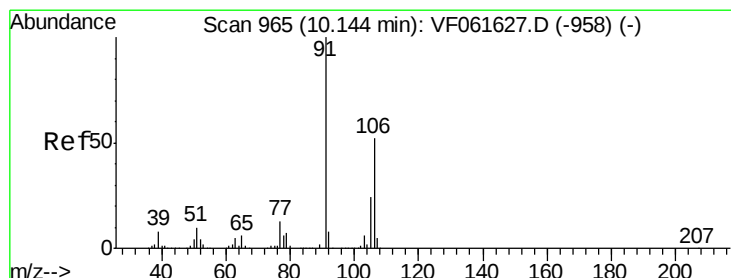
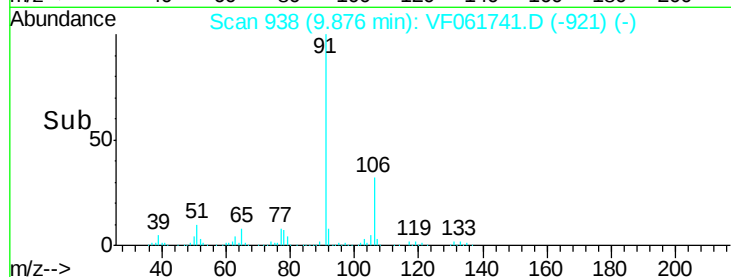
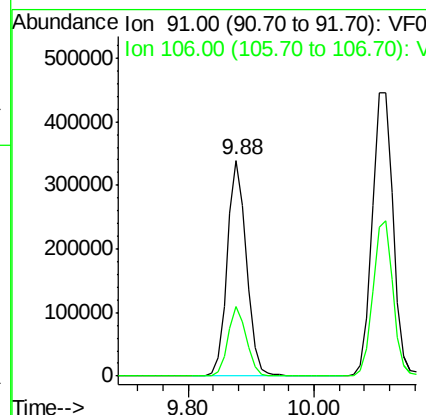
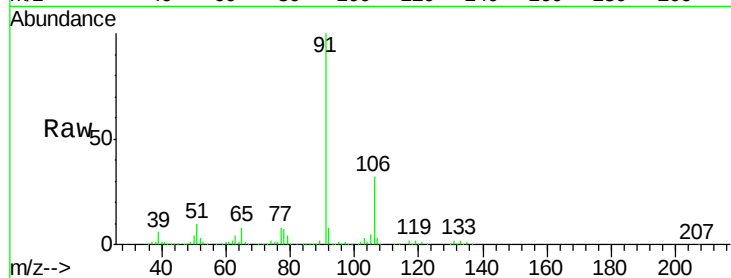




#67
Ethyl Benzene
Concen: 53.564 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

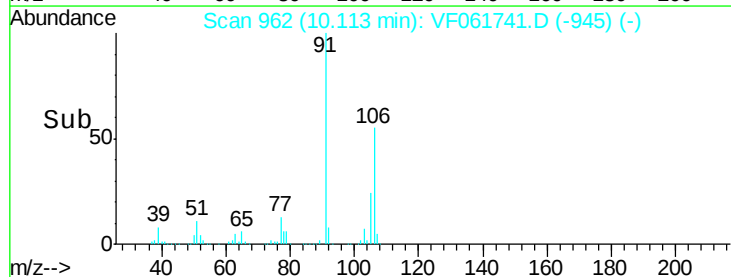
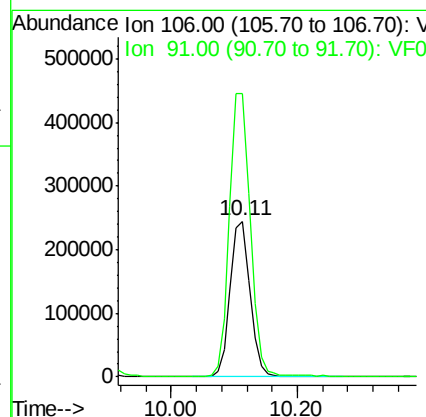
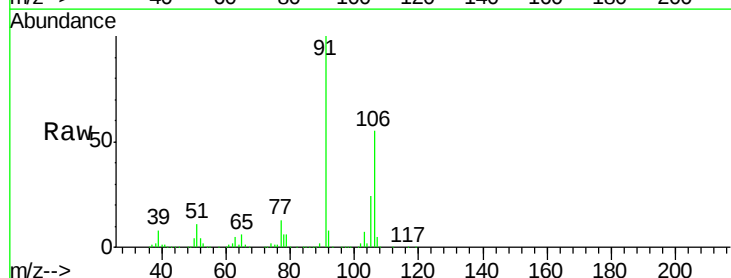
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

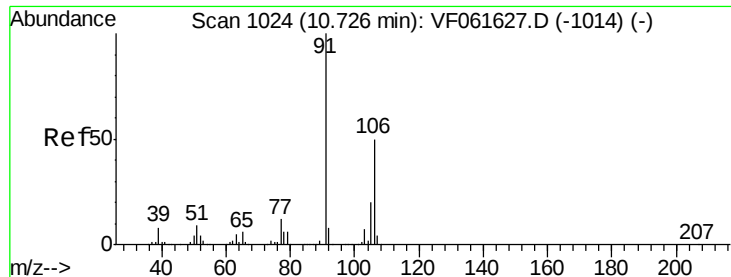
Tot Ion: 91 Resp: 719508
Ion Ratio Lower Upper
91 100
106 32.2 24.1 36.1



#68
m/p-Xylenes
Concen: 105.203 ug/l
RT: 10.11 min Scan# 962
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion: 106 Resp: 540833
Ion Ratio Lower Upper
106 100
91 181.6 153.0 229.6

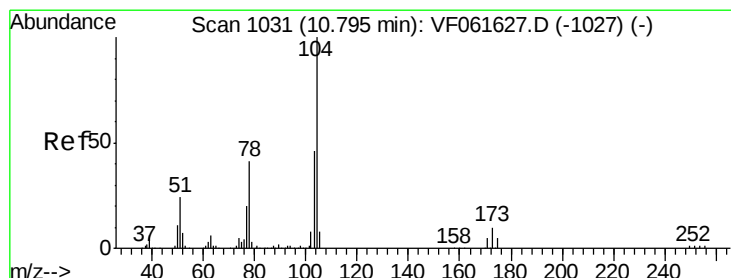
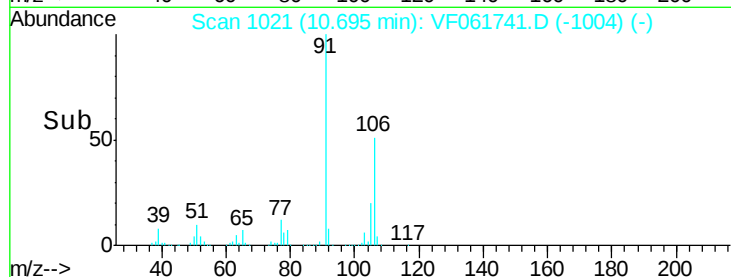
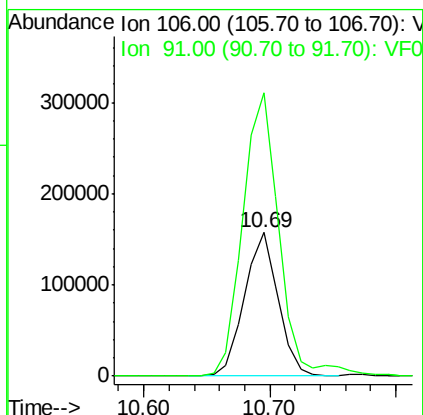
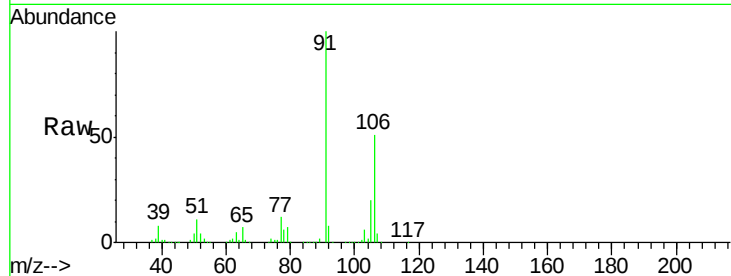




#69
o-Xylene
Concen: 53.440 ug/l
RT: 10.69 min Scan# 1021
Delta R.T. -0.03 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

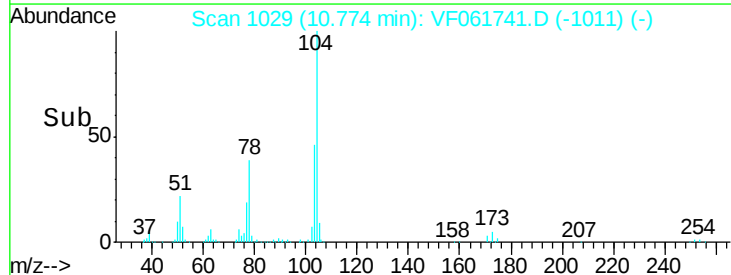
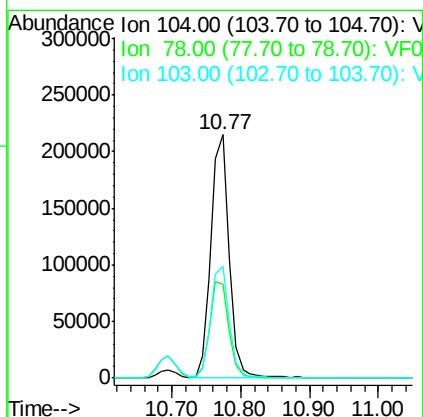
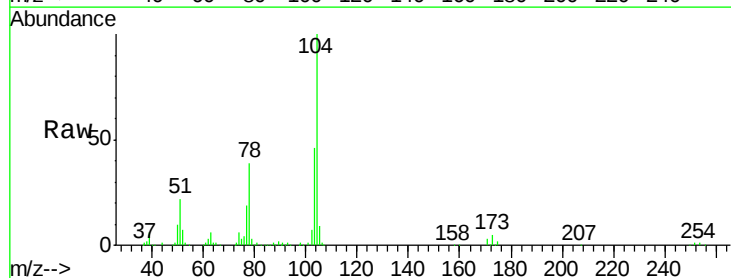
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

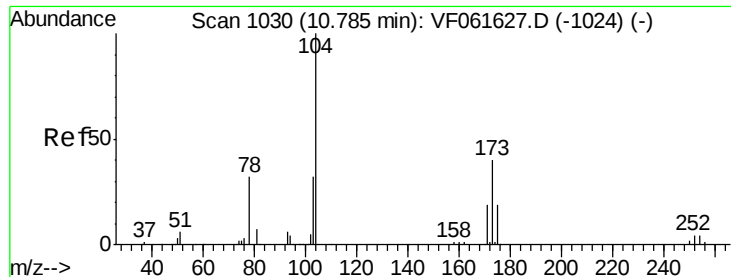
Tot Ion:106 Resp: 293148
Ion Ratio Lower Upper
106 100
91 197.3 100.1 300.1



#70
Styrene
Concen: 51.070 ug/l
RT: 10.77 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion:104 Resp: 396314
Ion Ratio Lower Upper
104 100
78 38.5 33.2 49.8
103 46.1 37.2 55.8





#71

Bromoform

Concen: 50.220 ug/l

RT: 10.75 min Scan# 1027

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

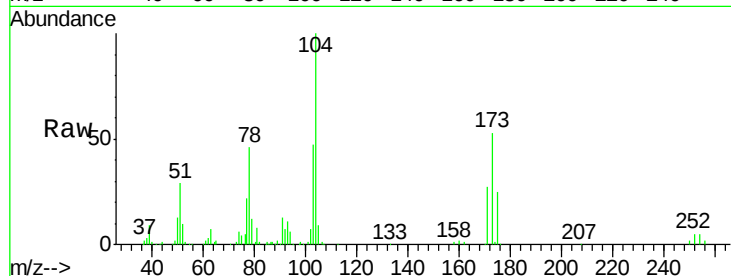
Tot Ion:173 Resp: 86314

Ion Ratio Lower Upper

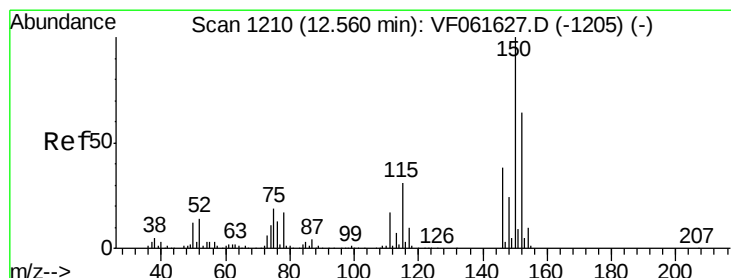
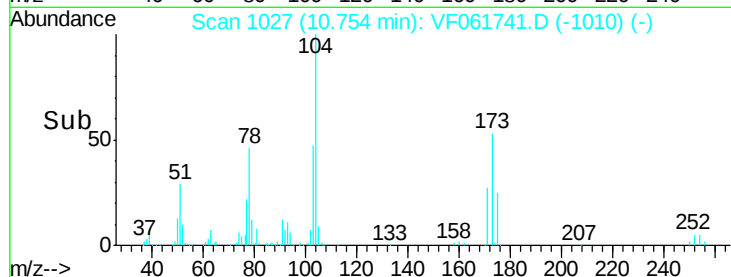
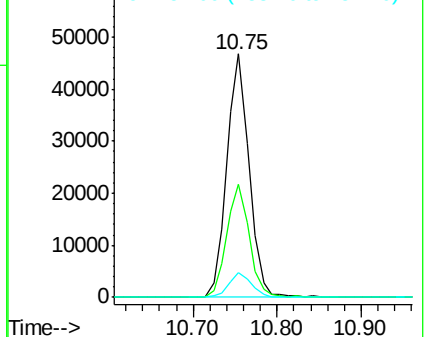
173 100

175 46.5 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: VF061741.D

Acq: 26 Feb 2019 14:20

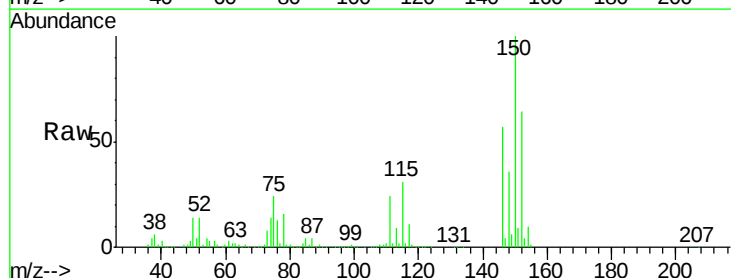
Tgt Ion:152 Resp: 228386

Ion Ratio Lower Upper

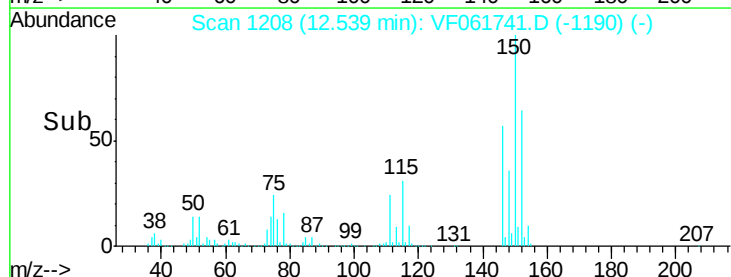
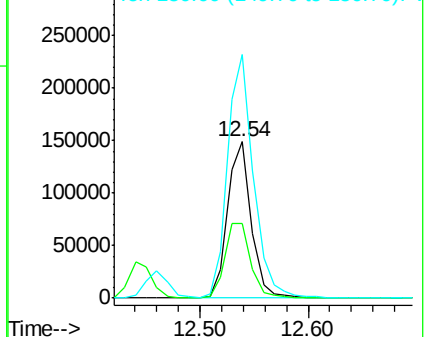
152 100

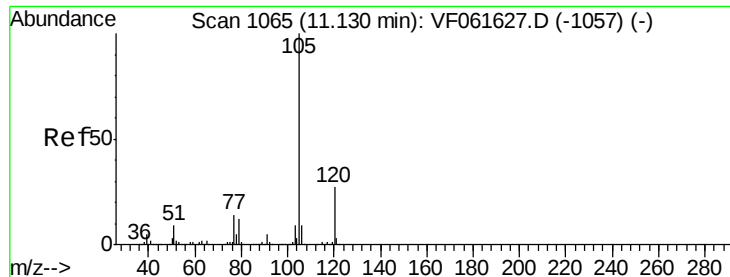
115 47.7 24.3 72.8

150 156.1 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: 52.821 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

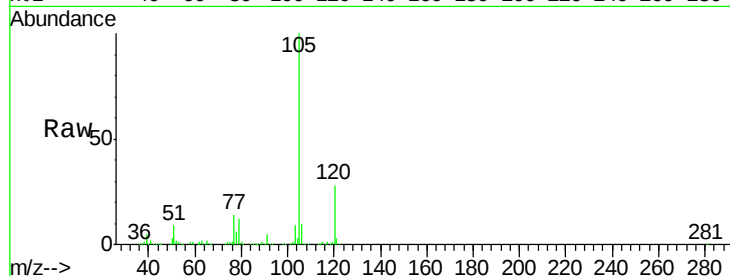
VSTDCCC050

Tot Ion:105 Resp: 858905

Ion Ratio Lower Upper

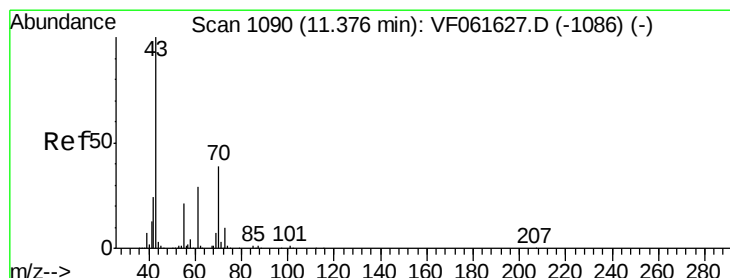
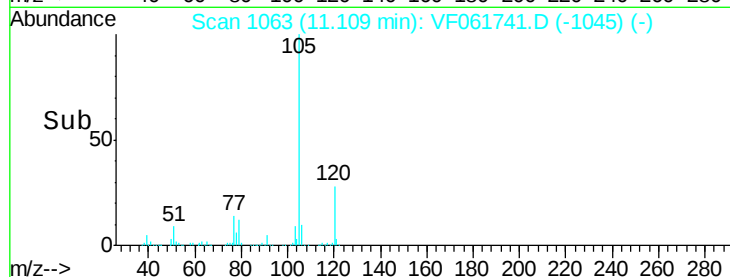
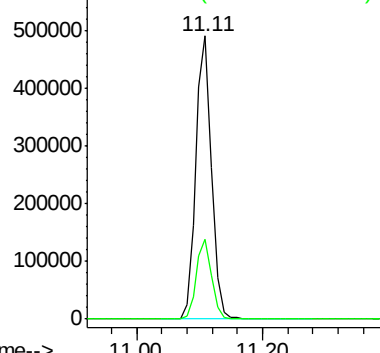
105 100

120 28.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.041 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Tgt Ion: 43 Resp: 179697

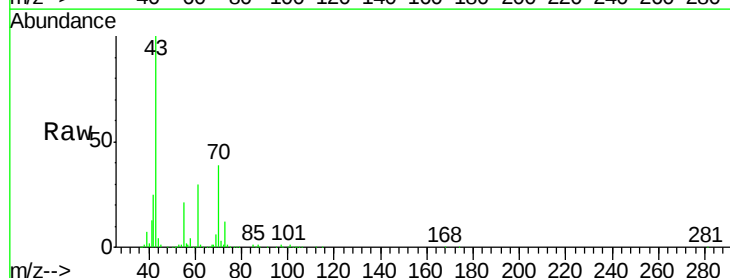
Ion Ratio Lower Upper

43 100

70 39.1 31.5 47.3

55 21.4 16.7 25.1

61 30.4 23.0 34.6

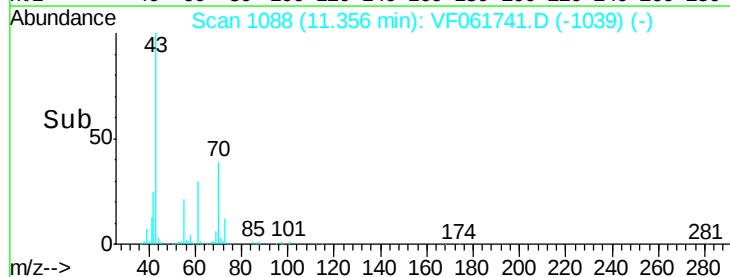
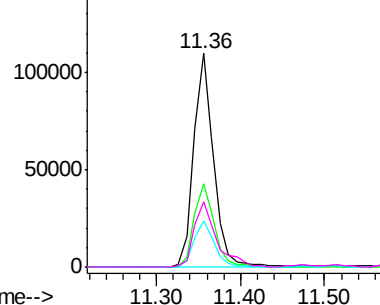


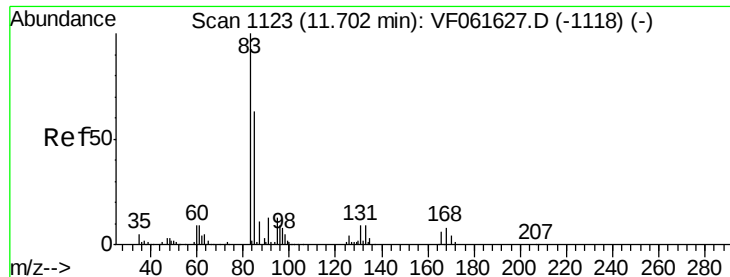
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.308 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

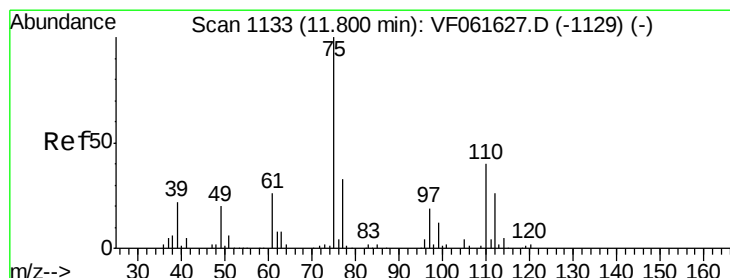
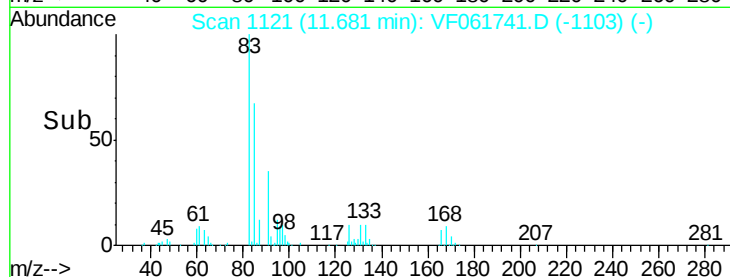
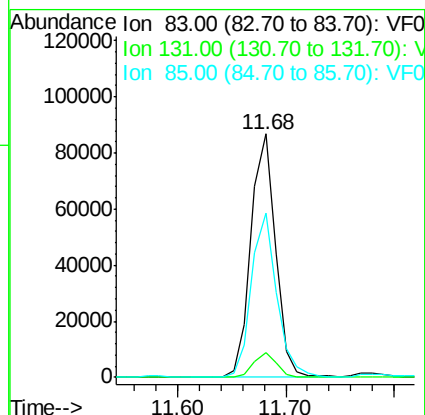
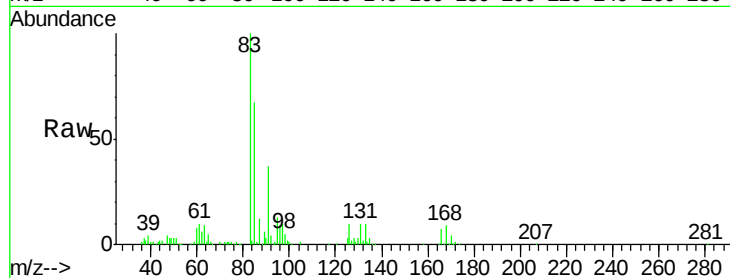
Tot Ion: 83 Resp: 137815

Ion Ratio Lower Upper

83 100

131 10.2 4.4 13.2

85 67.3 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 45.774 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061741.D

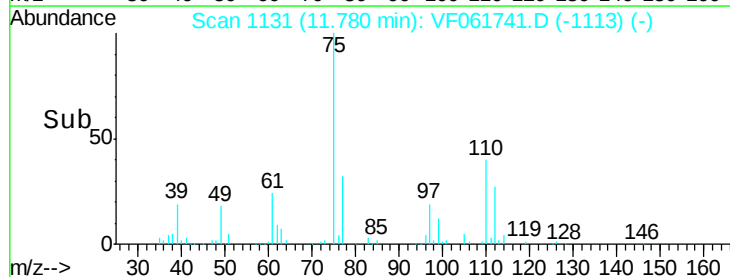
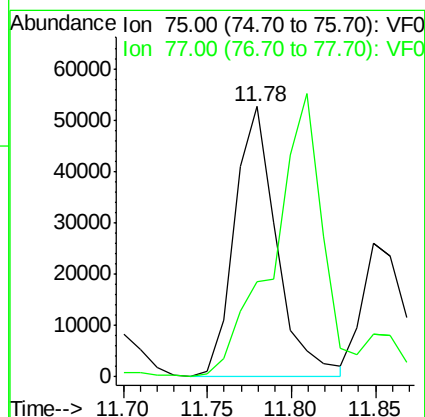
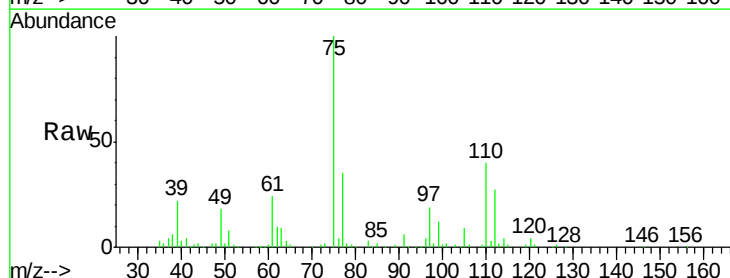
Acq: 26 Feb 2019 14:20

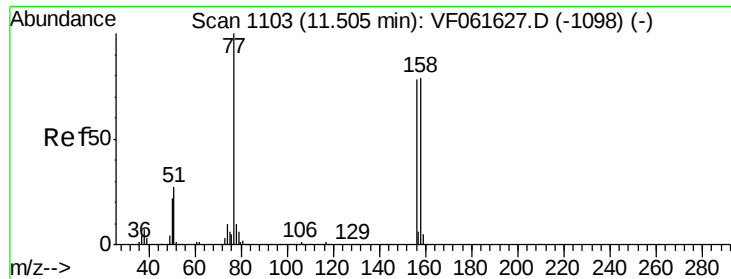
Tgt Ion: 75 Resp: 90661

Ion Ratio Lower Upper

75 100

77 35.1 16.6 49.7





#77

Bromobenzene

Concen: 50.351 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

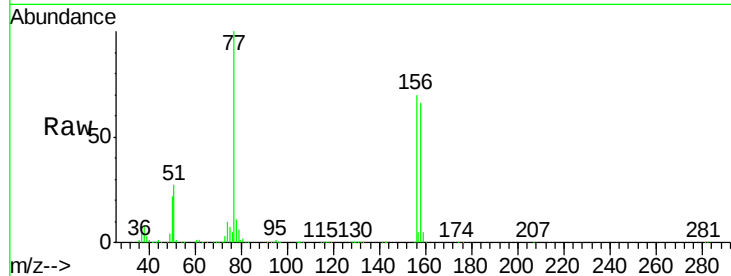
Tot Ion:156 Resp: 202266

Ion Ratio Lower Upper

156 100

77 142.7 64.3 192.7

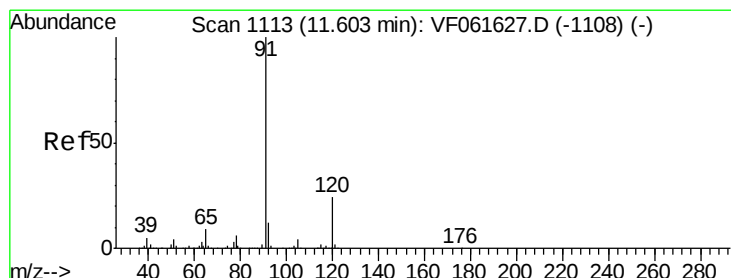
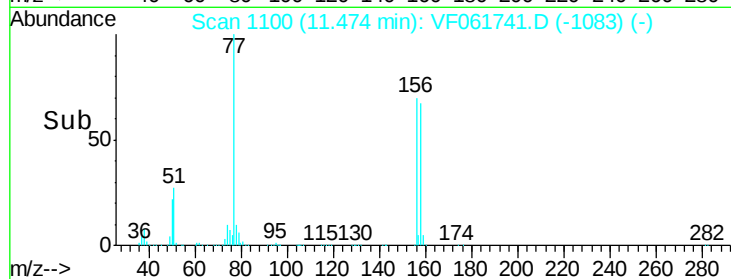
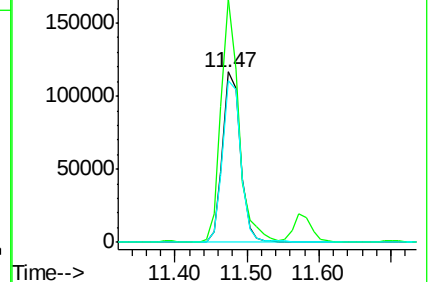
158 94.8 50.9 152.7



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: 47.824 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061741.D

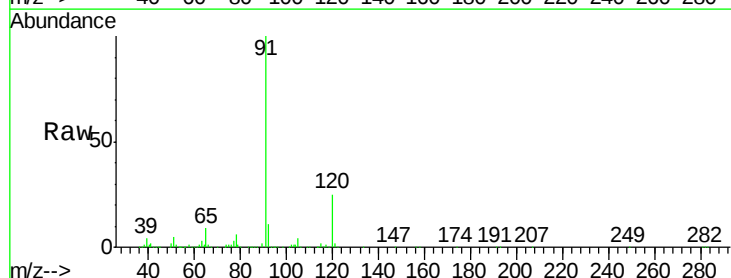
Acq: 26 Feb 2019 14:20

Tgt Ion: 91 Resp: 892375

Ion Ratio Lower Upper

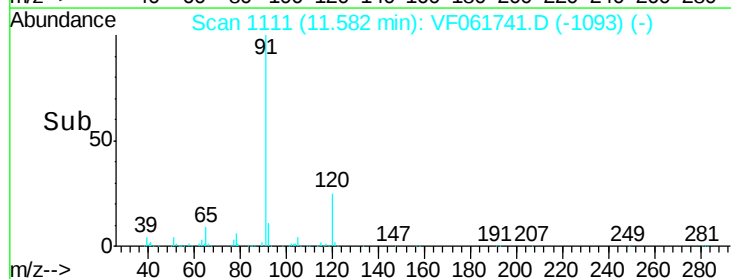
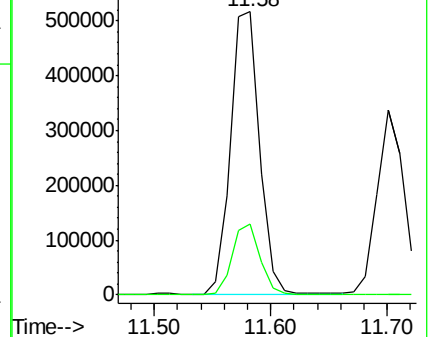
91 100

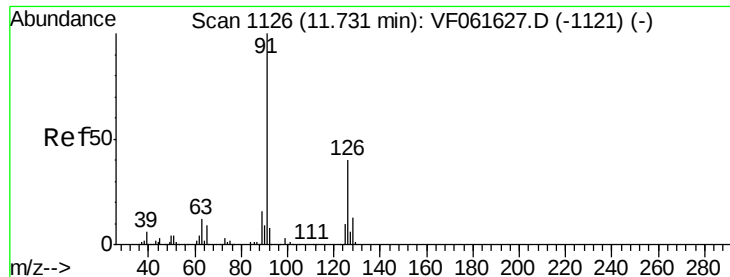
120 25.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

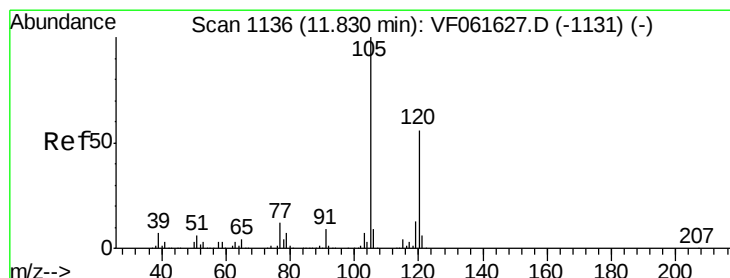
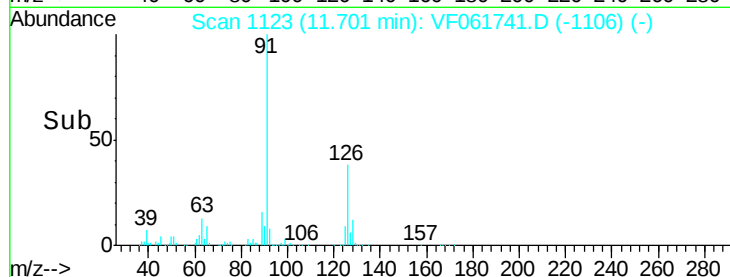
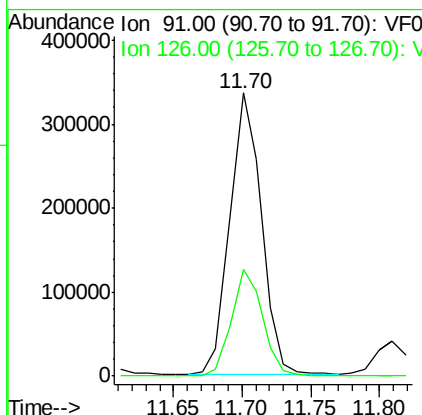
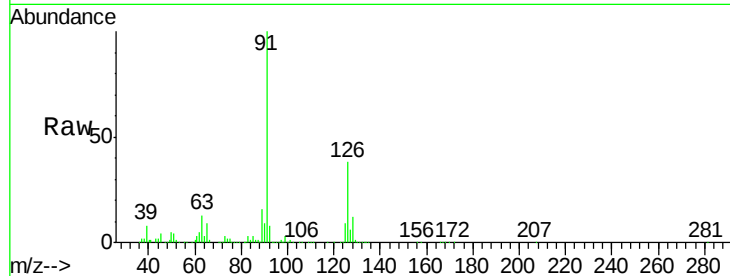




#79
 2-Chlorotoluene
 Concen: 51.091 ug/l
 RT: 11.70 min Scan# 1123
 Delta R.T. -0.03 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

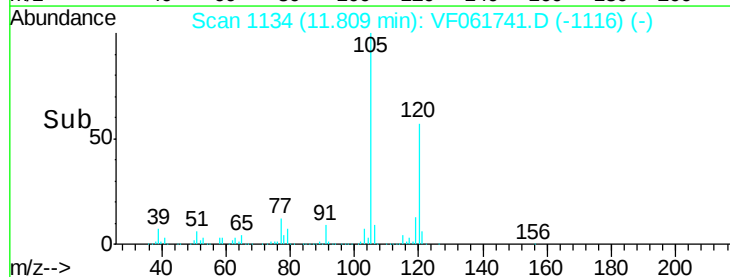
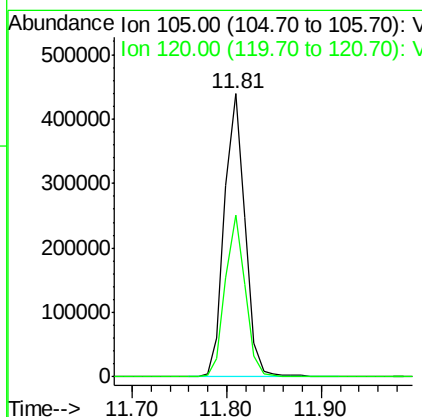
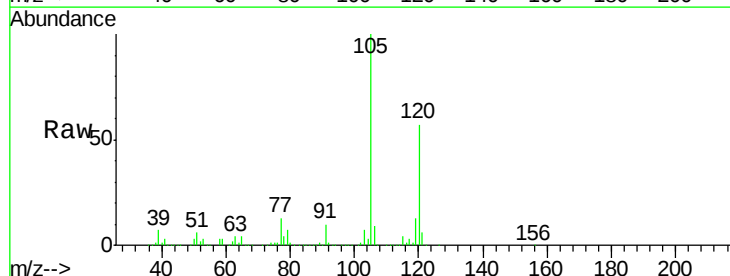
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

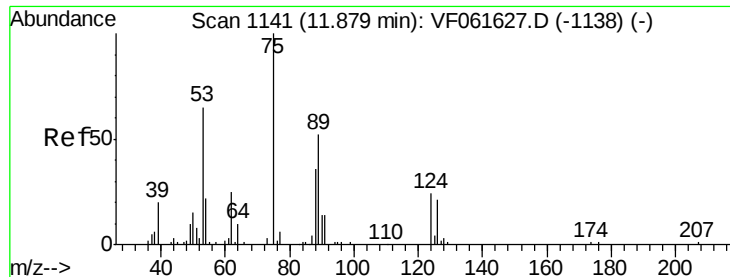
Tot Ion: 91 Resp: 533914
 Ion Ratio Lower Upper
 91 100
 126 37.6 19.8 59.4



#80
 1,3,5-Trimethylbenzene
 Concen: 51.093 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion: 105 Resp: 664010
 Ion Ratio Lower Upper
 105 100
 120 57.4 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 58.598 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

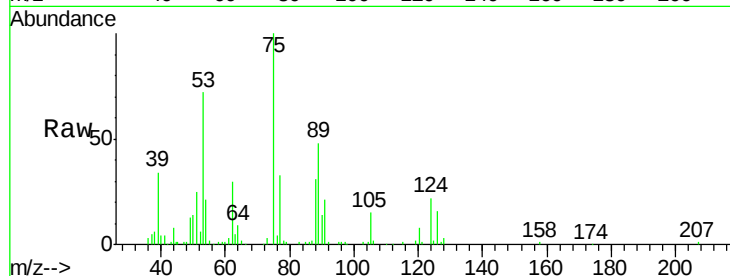
Tot Ion: 75 Resp: 55641

Ion Ratio Lower Upper

75 100

53 71.6 53.7 80.5

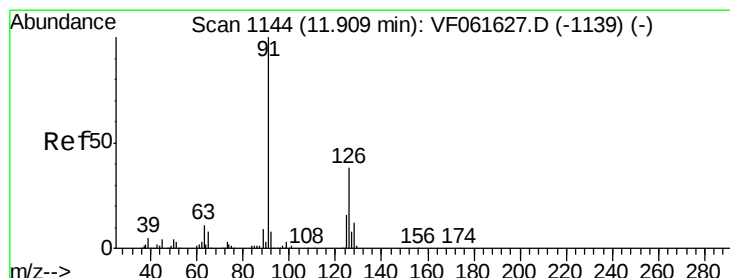
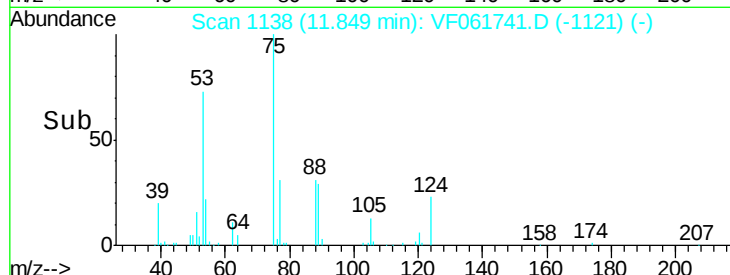
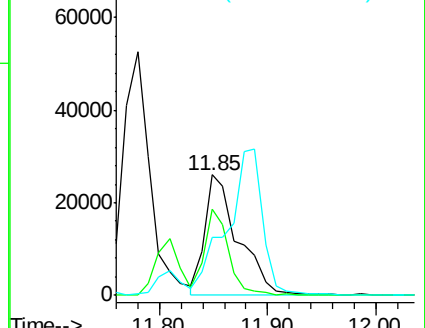
89 48.0 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.915 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF061741.D

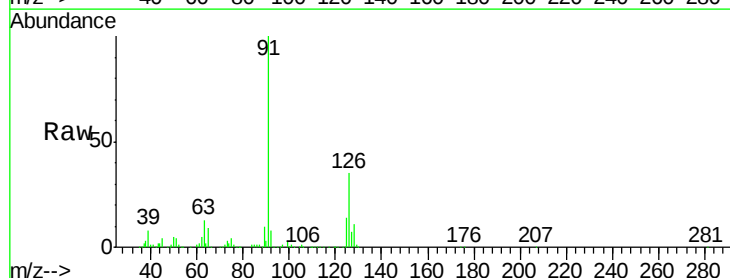
Acq: 26 Feb 2019 14:20

Tgt Ion: 91 Resp: 519728

Ion Ratio Lower Upper

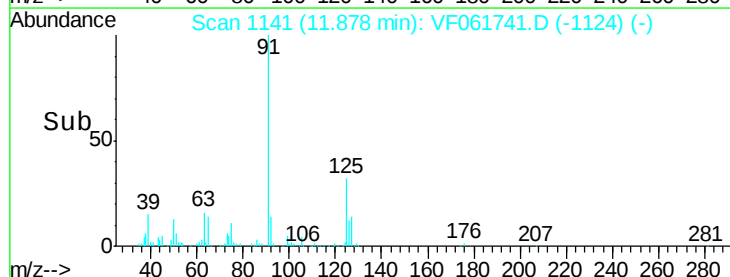
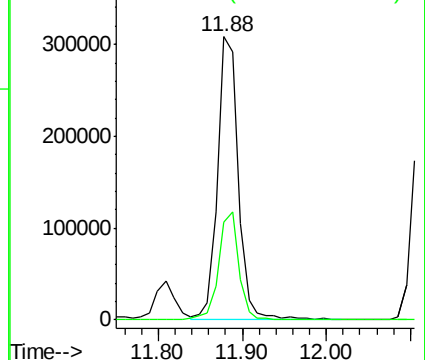
91 100

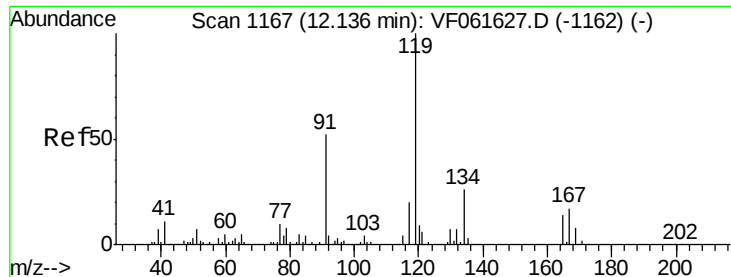
126 34.7 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

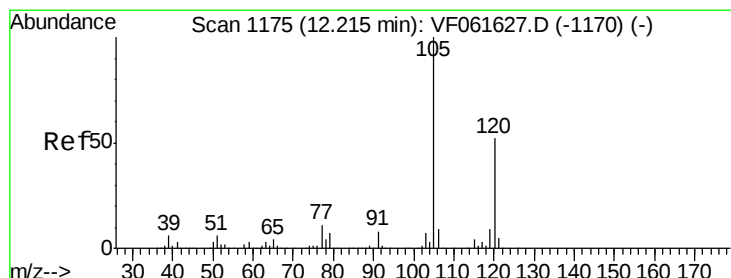
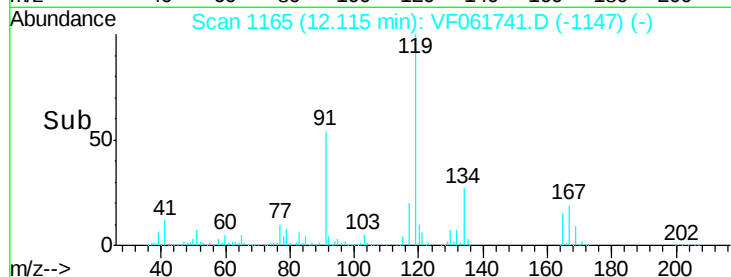
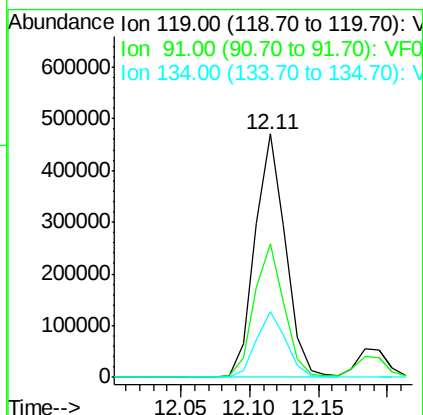
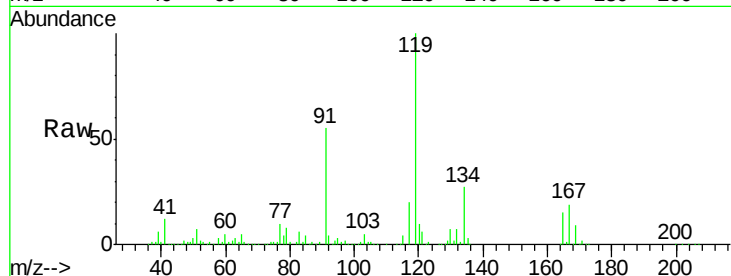




#83
 tert-Butylbenzene
 Concen: 50.672 ug/l
 RT: 12.11 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

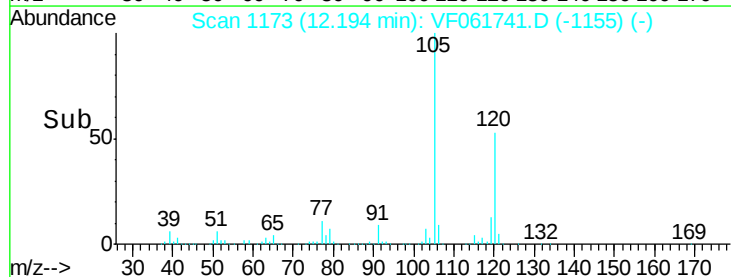
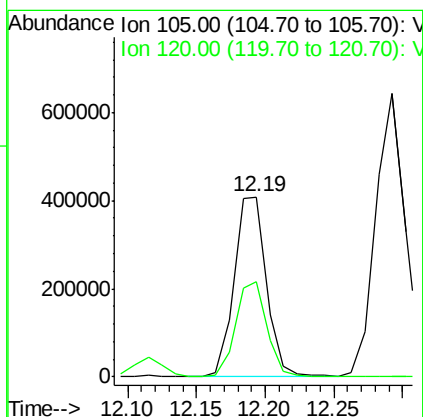
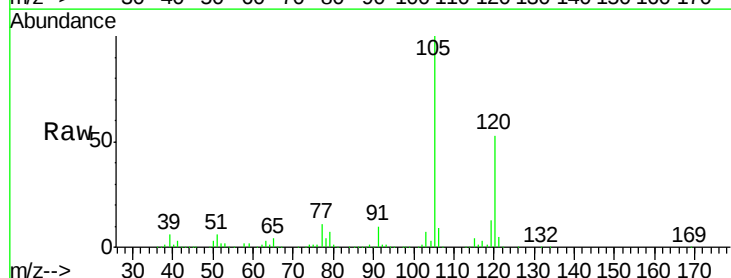
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

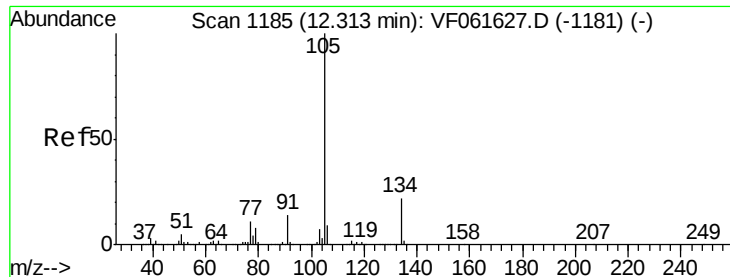
Tot Ion:119 Resp: 729411
 Ion Ratio Lower Upper
 119 100
 91 54.6 26.3 78.8
 134 27.0 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 51.698 ug/l
 RT: 12.19 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion:105 Resp: 667497
 Ion Ratio Lower Upper
 105 100
 120 53.3 26.1 78.3





#85

sec-Butylbenzene

Concen: 51.705 ug/l

RT: 12.29 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

Instrument :

MSVOA_F

ClientSampleId :

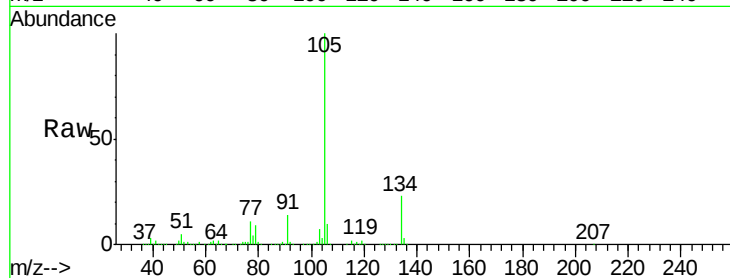
VSTDCCC050

Tot Ion:105 Resp: 962467

Ion Ratio Lower Upper

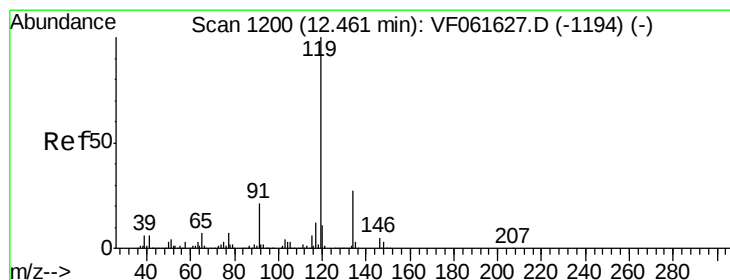
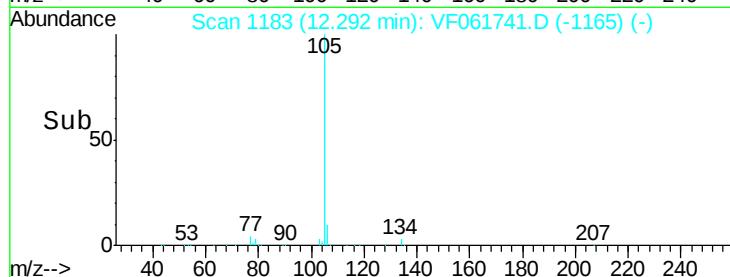
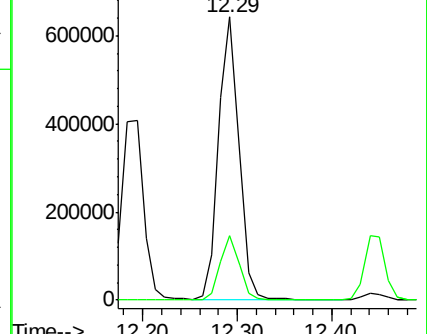
105 100

134 22.7 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.176 ug/l

RT: 12.44 min Scan# 1198

Delta R.T. -0.02 min

Lab File: VF061741.D

Acq: 26 Feb 2019 14:20

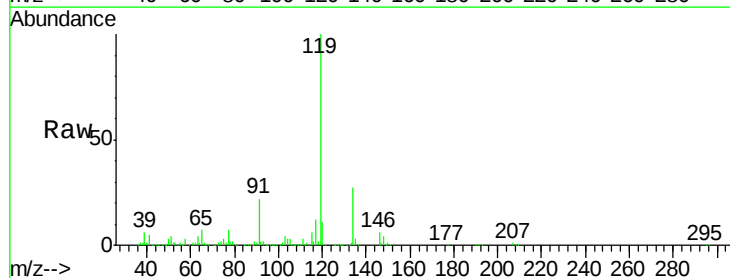
Tgt Ion:119 Resp: 830723

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.1

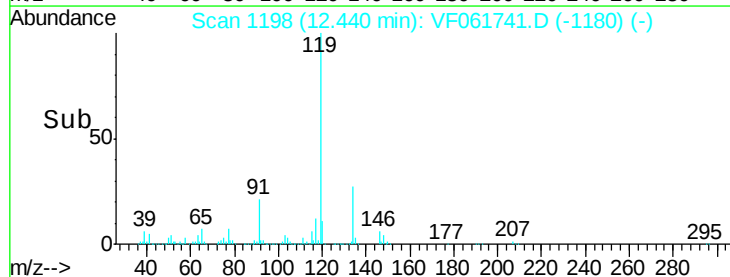
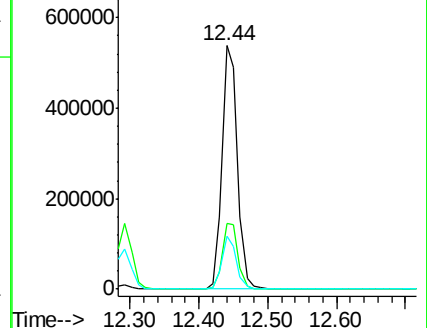
91 21.8 10.8 32.4

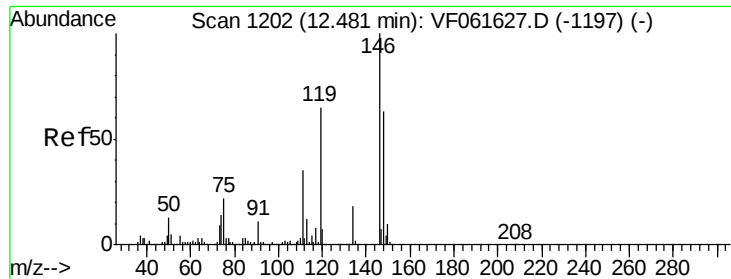


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

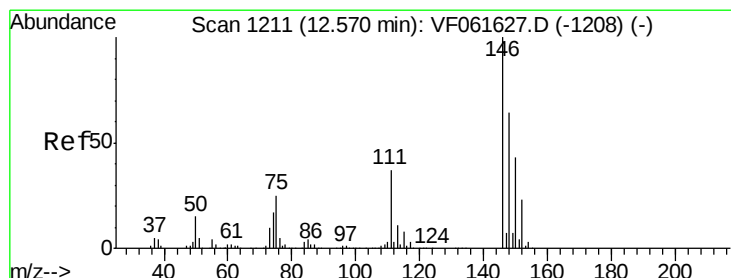
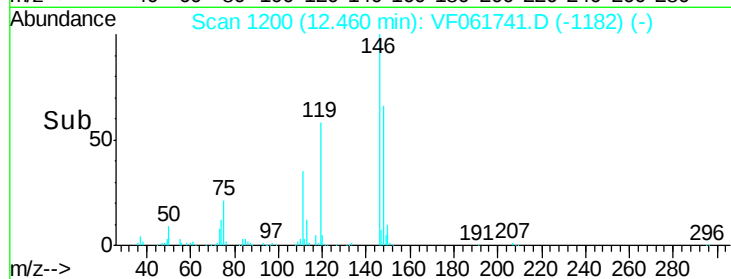
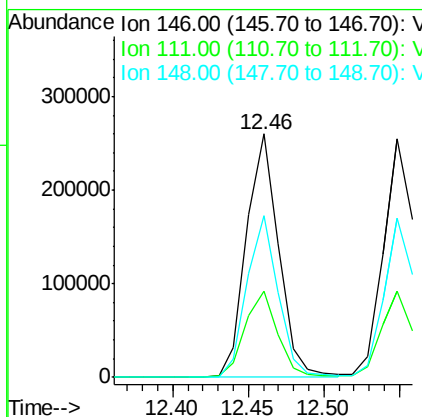
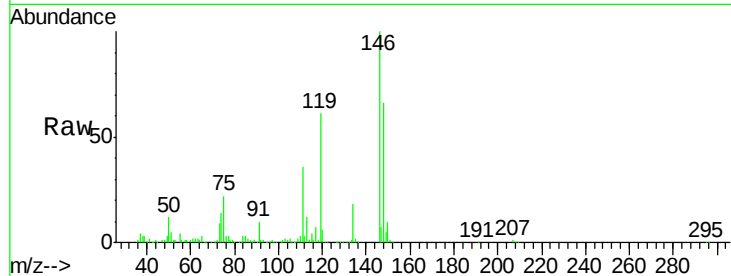




#87
 1,3-Dichlorobenzene
 Concen: 49.675 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

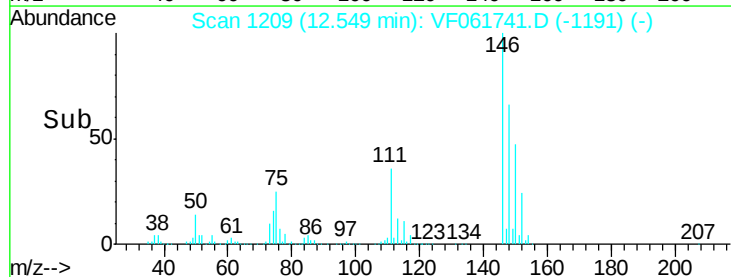
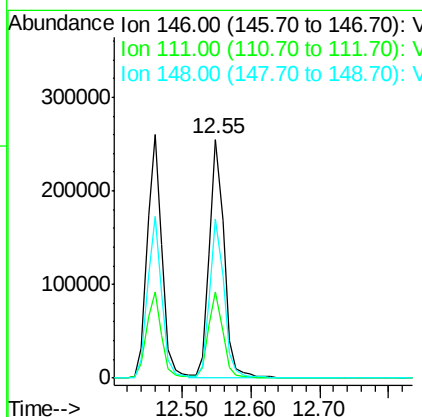
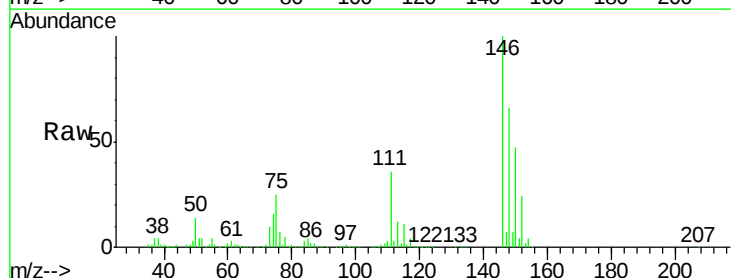
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

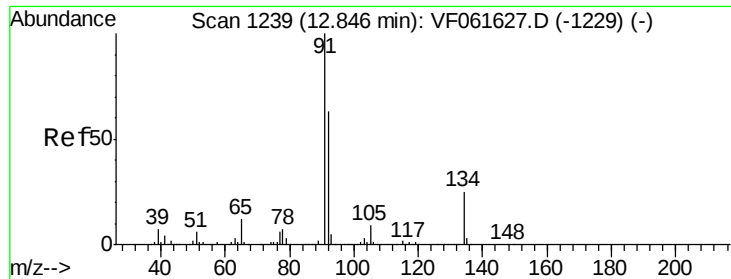
Tot Ion:146 Resp: 389027
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.5 52.6
 148 66.5 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 50.967 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion:146 Resp: 383861
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.4 55.4
 148 66.4 32.2 96.6

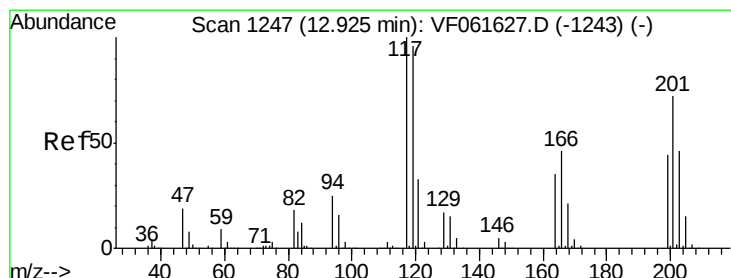
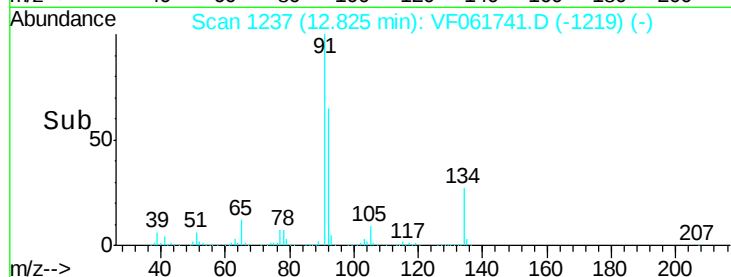
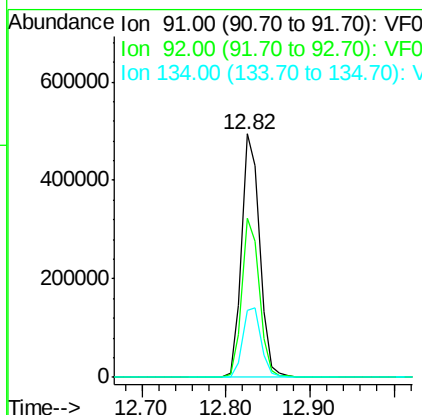
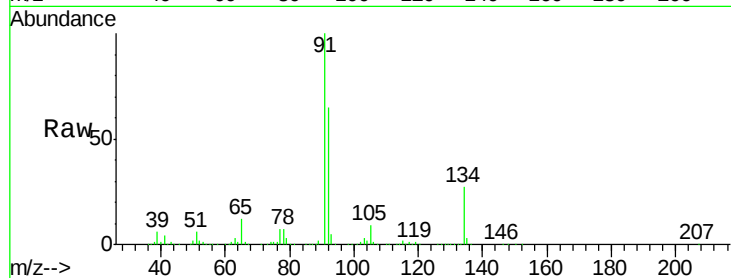




#89
n-Butylbenzene
Concen: 50.091 ug/l
RT: 12.82 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

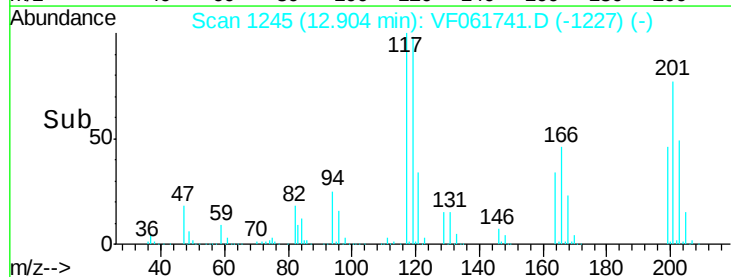
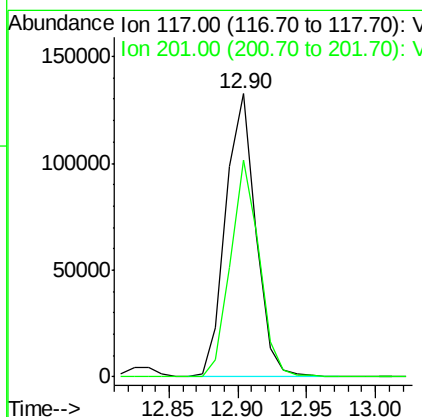
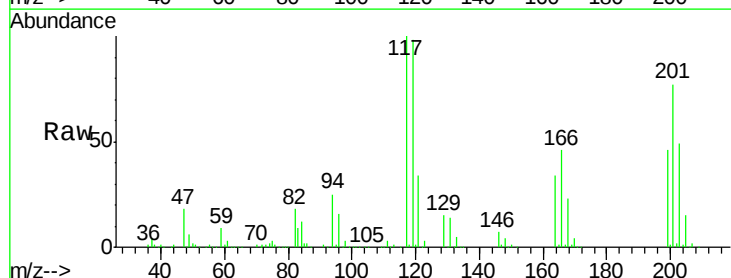
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

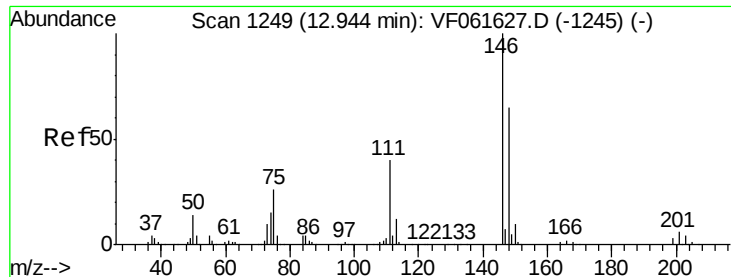
Tot Ion: 91 Resp: 738926
Ion Ratio Lower Upper
91 100
92 65.1 31.4 94.3
134 27.3 12.3 36.9



#90
Hexachloroethane
Concen: 55.473 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.02 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion: 117 Resp: 201548
Ion Ratio Lower Upper
117 100
201 76.8 36.2 108.6

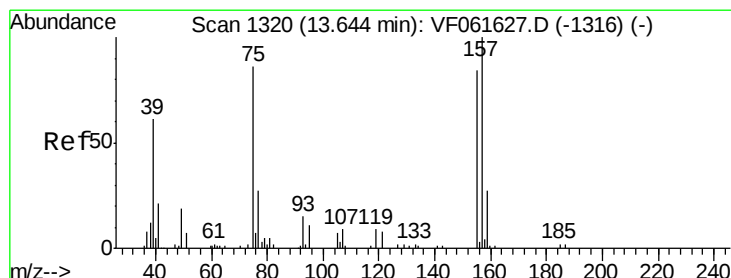
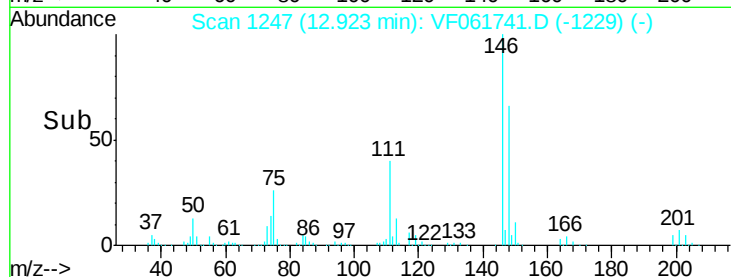
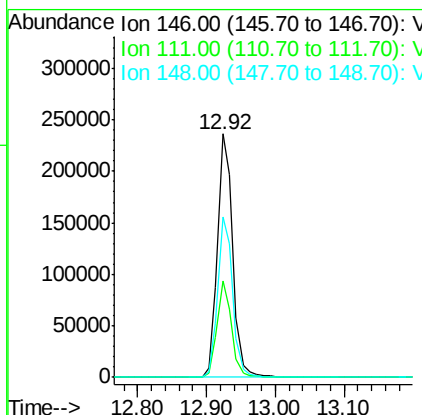
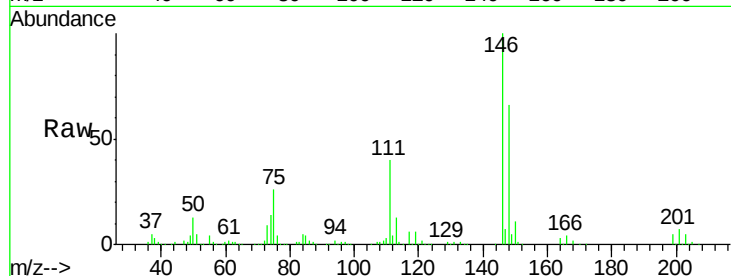




#91
 1,2-Dichlorobenzene
 Concen: 48.621 ug/l
 RT: 12.92 min Scan# 1247
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

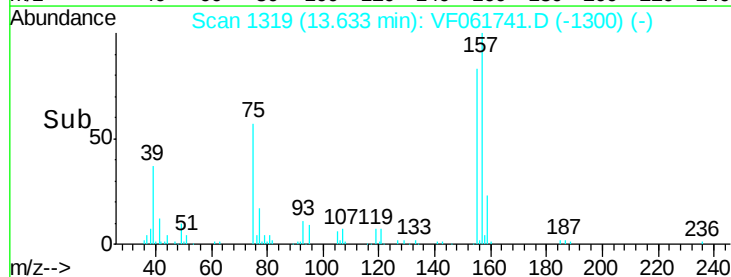
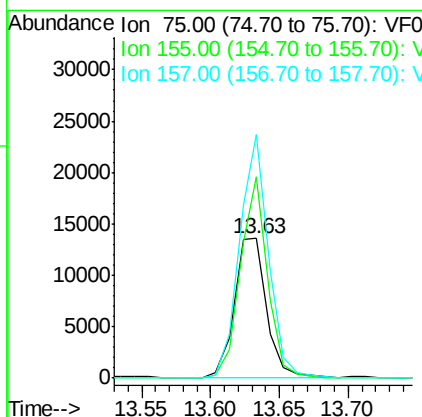
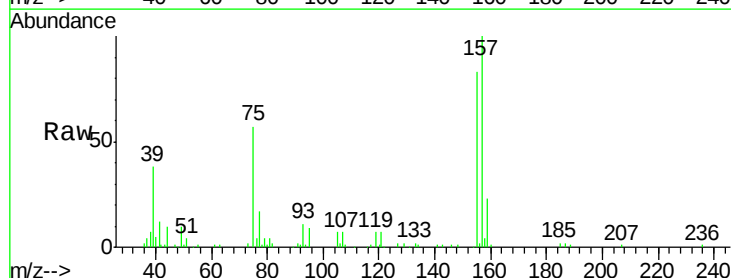
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

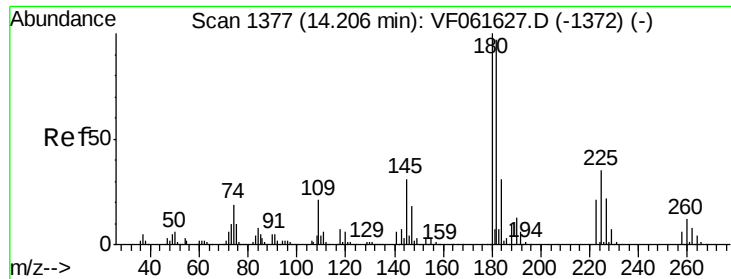
Tot Ion:146 Resp: 362173
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.2 60.5
 148 66.0 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.946 ug/l
 RT: 13.63 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion: 75 Resp: 22145
 Ion Ratio Lower Upper
 75 100
 155 144.2 48.9 146.8
 157 174.2 58.3 174.8

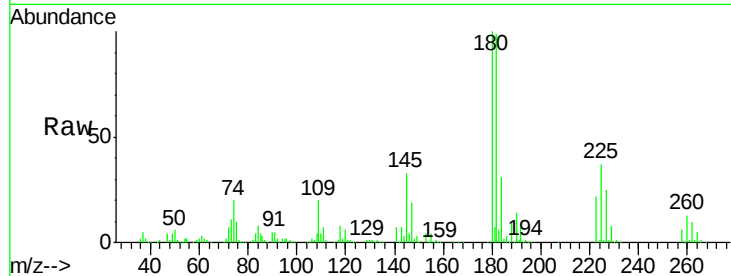




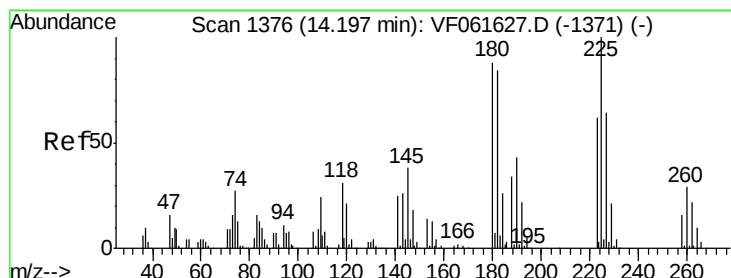
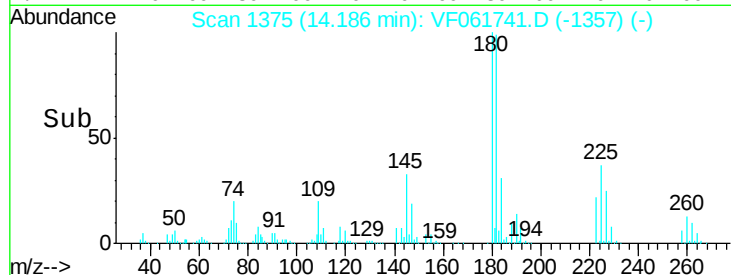
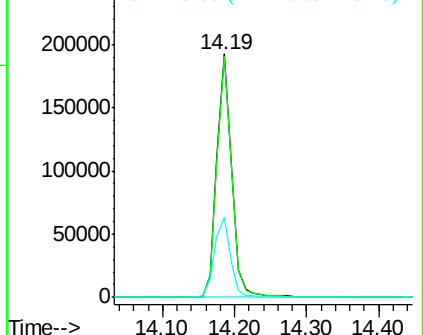
#93
 1,2,4-Trichlorobenzene
 Concen: 50.891 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 271720
 Ion Ratio Lower Upper
 180 100
 182 99.0 48.6 145.9
 145 32.6 15.3 45.9

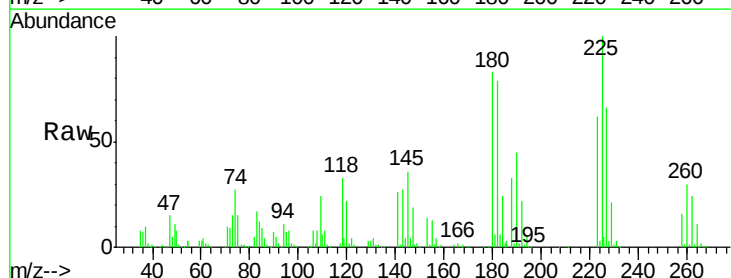


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

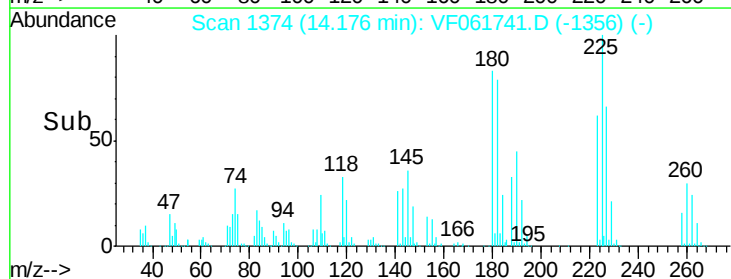
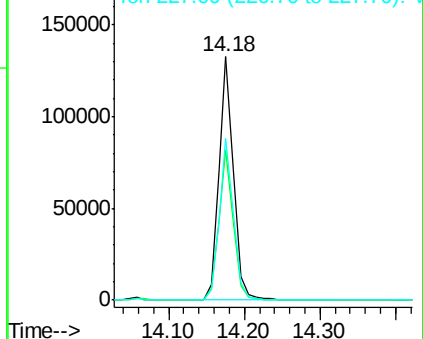


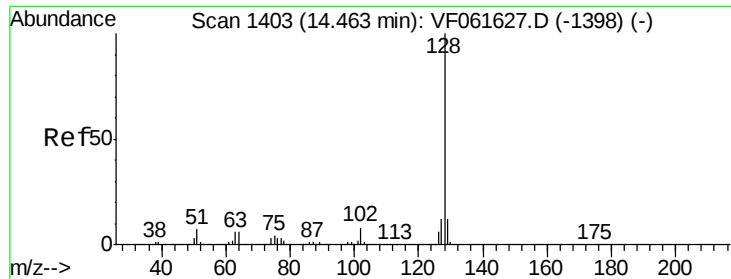
#94
 Hexachlorobutadiene
 Concen: 54.909 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061741.D
 Acq: 26 Feb 2019 14:20

Tgt Ion:225 Resp: 181061
 Ion Ratio Lower Upper
 225 100
 223 61.7 30.9 92.7
 227 66.3 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

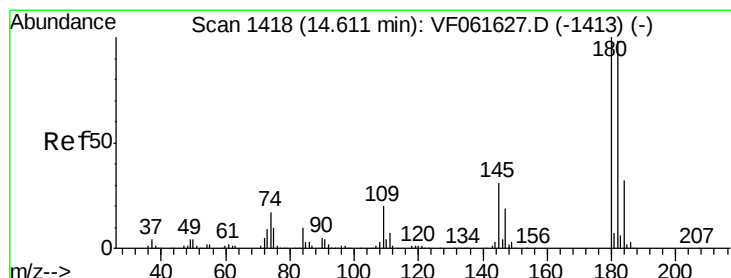
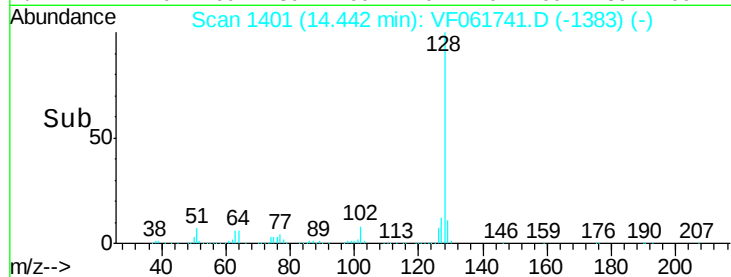
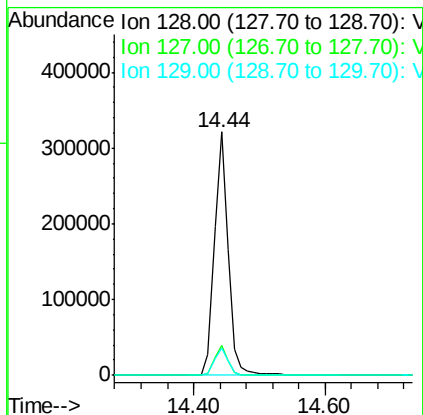
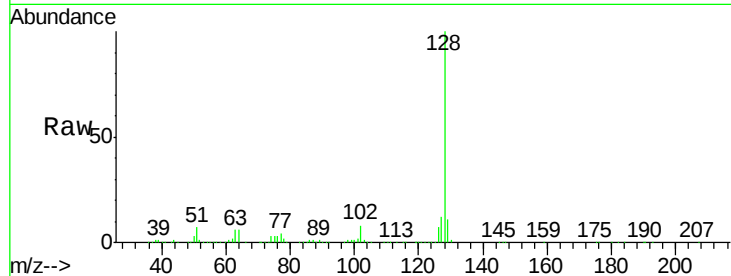




#95
Naphthalene
Concen: 49.678 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 464074
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.6
129 11.4 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 53.330 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF061741.D
Acq: 26 Feb 2019 14:20

Tgt Ion:180 Resp: 261346
Ion Ratio Lower Upper
180 100
182 95.0 49.0 147.2
145 30.3 15.4 46.1

