

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061272.D
 Acq On : 7 Jan 2019 11:31
 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: Jan 08 00:12:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	228293	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.56	114	400380	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	344295	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.53	152	175329	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	140181	48.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	96.74%	
35) Dibromofluoromethane	4.07	113	154502	50.16	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	7.52	98	464275	50.79	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.39	95	197254	48.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	196611	44.854	ug/l	99
3) Chloromethane	1.07	50	149698	44.579	ug/l	94
4) Vinyl Chloride	1.12	62	137388	47.234	ug/l	99
5) Bromomethane	1.30	94	98481	49.523	ug/l	92
6) Chloroethane	1.36	64	60977	46.259	ug/l	96
7) Trichlorofluoromethane	1.46	101	246901	47.171	ug/l	96
8) Diethyl Ether	1.61	74	37799	50.619	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.80	101	123444	47.205	ug/l	98
10) Methyl Iodide	1.87	142	139561	33.031	ug/l	93
11) Tert butyl alcohol	2.54	59	27657	226.175	ug/l #	87
12) 1,1-Dichloroethene	1.76	96	101813	46.316	ug/l	96
13) Acrolein	1.98	56	24563	246.174	ug/l	85
14) Allyl chloride	2.08	41	173994	57.254	ug/l	99
15) Acrylonitrile	2.92	53	72629	222.167	ug/l	99
16) Acetone	2.22	43	160890	325.155	ug/l	97
17) Carbon Disulfide	1.77	76	321090	47.969	ug/l #	93
18) Methyl Acetate	2.32	43	49929	44.301	ug/l	98
19) Methyl tert-butyl Ether	2.40	73	206797	45.132	ug/l	97
20) Methylene Chloride	2.16	84	55490	22.308	ug/l	93
21) trans-1,2-Dichloroethene	2.28	96	98290	42.513	ug/l	98
22) Diisopropyl ether	2.77	45	350713	45.896	ug/l	95
23) Vinyl Acetate	3.15	43	701122	200.347	ug/l	99
24) 1,1-Dichloroethane	2.85	63	205692	45.911	ug/l	99
25) 2-Butanone	4.30	43	246105	255.401	ug/l	95
26) 2,2-Dichloropropane	3.56	77	124392	48.214	ug/l	93
27) cis-1,2-Dichloroethene	3.44	96	155628	45.808	ug/l	98
28) Bromochloromethane	3.69	49	109659	51.704	ug/l	92
29) Tetrahydrofuran	4.03	42	101211	260.995	ug/l	97
30) Chloroform	3.82	83	285452	45.550	ug/l	95
31) Cyclohexane	3.66	56	217942	45.896	ug/l	97
32) 1,1,1-Trichloroethane	4.06	97	219140	53.836	ug/l	97
36) 1,1-Dichloropropene	4.25	75	220220	46.702	ug/l	98
37) Ethyl Acetate	4.07	43	88804	47.167	ug/l	86
38) Carbon Tetrachloride	3.95	117	242723	64.294	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	235229	46.667	ug/l	96
40) Benzene	4.59	78	457796	42.778	ug/l	98
41) Methacrylonitrile	4.70	41	47023	48.442	ug/l	97
42) 1,2-Dichloroethane	4.91	62	166472	46.493	ug/l	94
43) Isopropyl Acetate	6.93	43	119710	47.652	ug/l	98
44) Trichloroethene	5.47	130	145313	43.622	ug/l	95
45) 1,2-Dichloropropane	6.20	63	128927	47.188	ug/l	97
46) Dibromomethane	6.05	93	82844	46.080	ug/l	97
47) Bromodichloromethane	6.35	83	205003	44.795	ug/l	98
48) Methyl methacrylate	6.68	41	74171	45.596	ug/l	96
49) 1,4-Dioxane	6.67	88	9895	877.889	ug/l #	80
51) 4-Methyl-2-Pentanone	8.22	43	408910	259.432	ug/l	100
52) Toluene	7.59	92	298251	42.682	ug/l	100
53) t-1,3-Dichloropropene	8.24	75	165786	44.438	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	218998	46.186	ug/l	99
55) 1,1,2-Trichloroethane	8.46	97	93717	46.636	ug/l	96
56) Ethyl methacrylate	8.59	69	110861	49.918	ug/l	97
57) 1,3-Dichloropropane	8.81	76	153953	40.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	31297	116.044	ug/l	93
59) 2-Hexanone	9.46	43	313184	247.938	ug/l	100
60) Dibromochloromethane	8.69	129	136178	47.708	ug/l	92
61) 1,2-Dibromoethane	8.95	107	93136	42.944	ug/l	95
64) Tetrachloroethene	8.11	164	131346	49.780	ug/l	99
65) Chlorobenzene	9.76	112	326891	46.692	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.90	131	135194	47.022	ug/l	96
67) Ethyl Benzene	9.87	91	610286	47.420	ug/l	97
68) m/p-Xylenes	10.10	106	434612	92.535	ug/l	98
69) o-Xylene	10.68	106	247464	48.706	ug/l	96
70) Styrene	10.76	104	323281	46.221	ug/l	99
71) Bromoform	10.75	173	68739	51.354	ug/l #	97
73) Isopropylbenzene	11.10	105	708916	47.600	ug/l	98
74) N-amyl acetate	11.35	43	190557	50.679	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.68	83	122378	47.043	ug/l	99
76) 1,2,3-Trichloropropane	11.77	75	90056	46.633	ug/l	94
77) Bromobenzene	11.47	156	152733	48.851	ug/l	98
78) n-propylbenzene	11.57	91	813055	45.801	ug/l	99
79) 2-Chlorotoluene	11.69	91	463427	45.203	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	550459	45.783	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.84	75	53314	60.235	ug/l	93
82) 4-Chlorotoluene	11.87	91	471626	45.379	ug/l	99
83) tert-Butylbenzene	12.11	119	576284	46.487	ug/l	96
84) 1,2,4-Trimethylbenzene	12.18	105	573568	47.920	ug/l	100
85) sec-Butylbenzene	12.29	105	777316	46.226	ug/l	98
86) p-Isopropyltoluene	12.43	119	632226	45.631	ug/l	97
87) 1,3-Dichlorobenzene	12.45	146	273420	45.321	ug/l	98
88) 1,4-Dichlorobenzene	12.54	146	271239	46.079	ug/l	99
89) n-Butylbenzene	12.82	91	637366	51.375	ug/l	97
90) Hexachloroethane	12.90	117	161897	47.363	ug/l	83
91) 1,2-Dichlorobenzene	12.92	146	263815	45.267	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.62	75	22254	47.604	ug/l	78

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Quant Title : SW846 8260
QLast Update : Fri Jan 04 03:27:18 2019
Response via : Initial Calibration

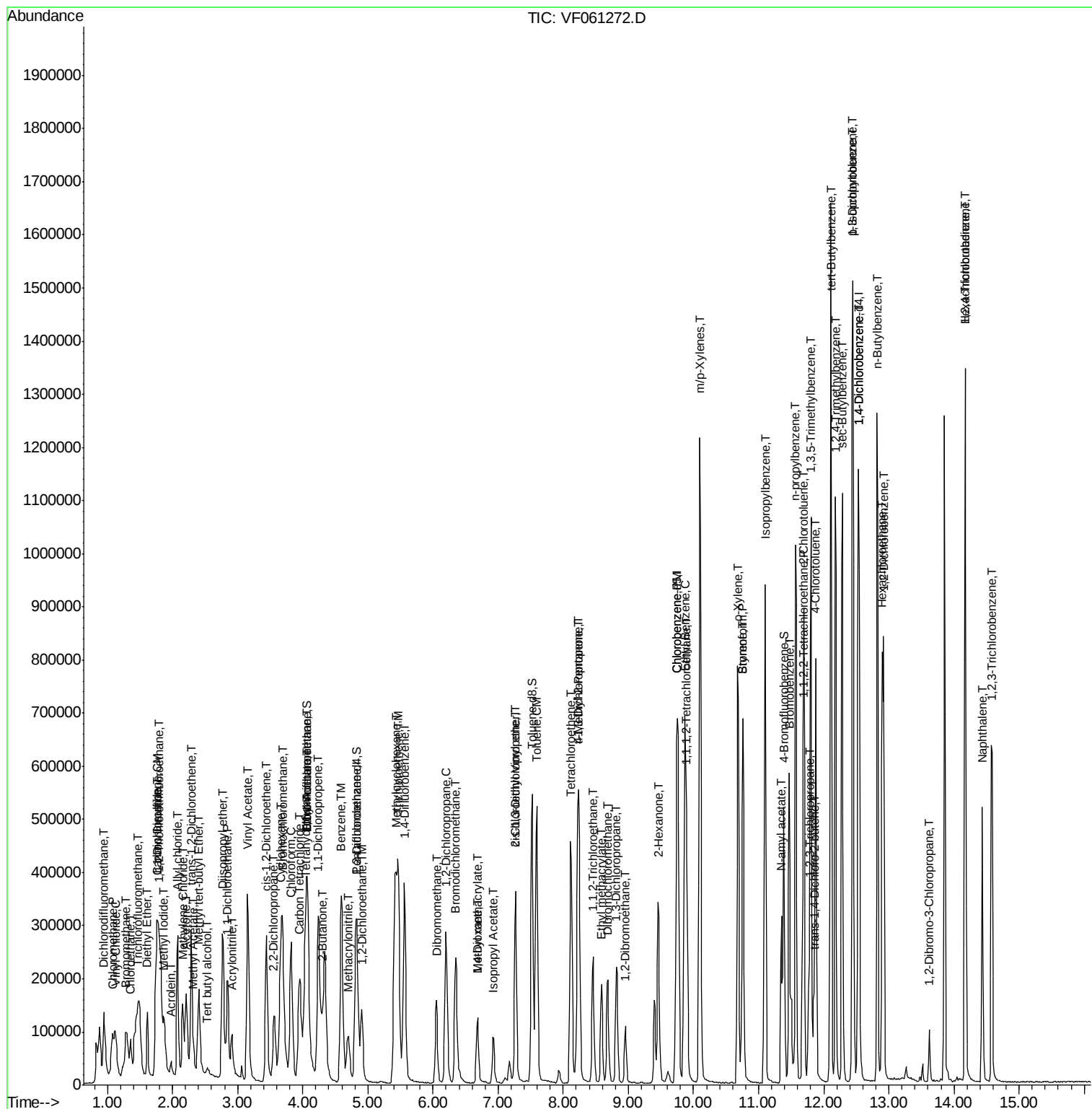
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	190412	46.659	ug/l	96
94) Hexachlorobutadiene	14.17	225	121852	46.864	ug/l	98
95) Naphthalene	14.44	128	367979	48.240	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	181741	48.031	ug/l	96

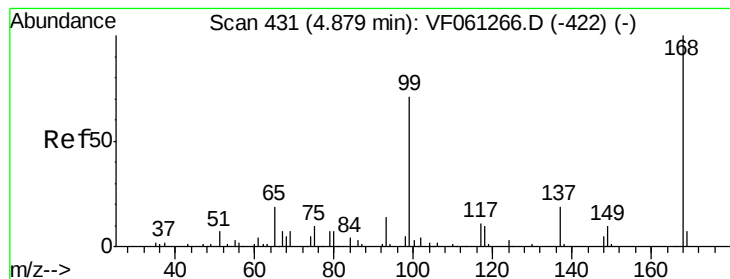
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

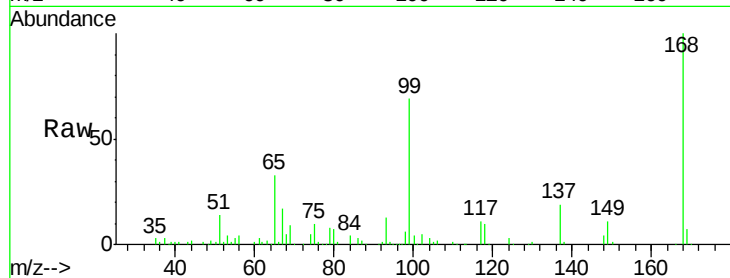
VSTDCCC050

Tot Ion:168 Resp: 228293

Ion Ratio Lower Upper

168 100

99 69.0 57.0 85.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.83

80000

60000

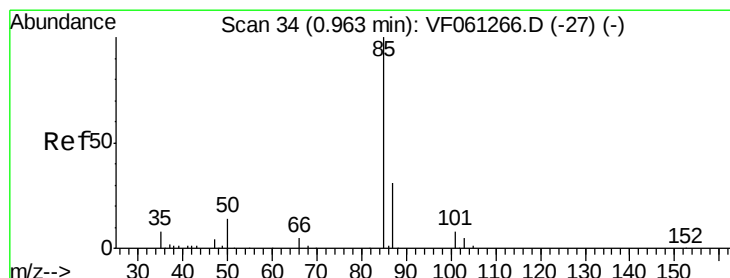
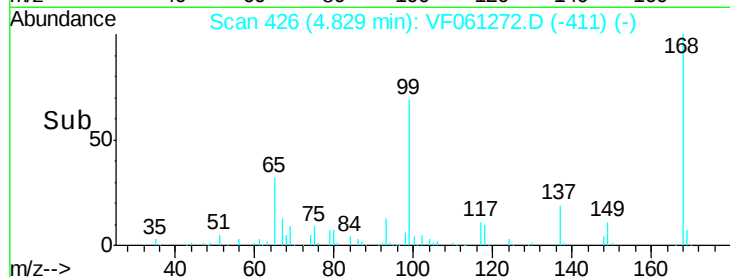
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 44.854 ug/l

RT: 0.94 min Scan# 32

Delta R.T. -0.02 min

Lab File: VF061272.D

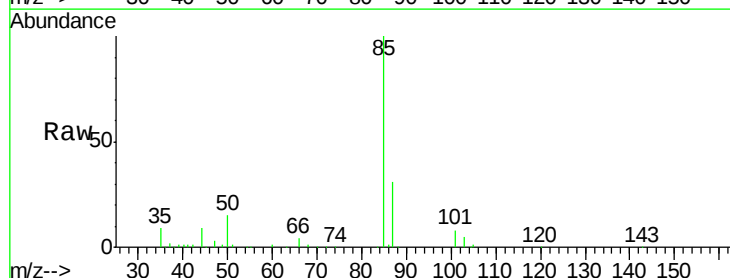
Acq: 7 Jan 2019 11:31

Tgt Ion: 85 Resp: 196611

Ion Ratio Lower Upper

85 100

87 30.7 15.6 46.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

80000

60000

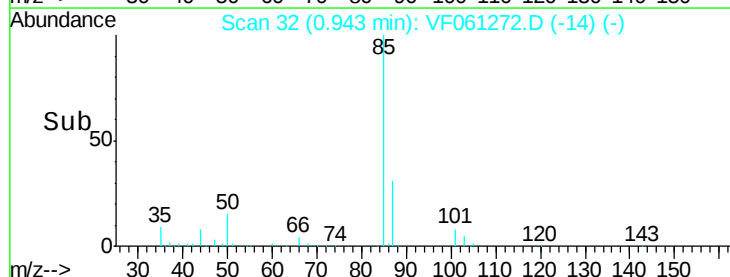
40000

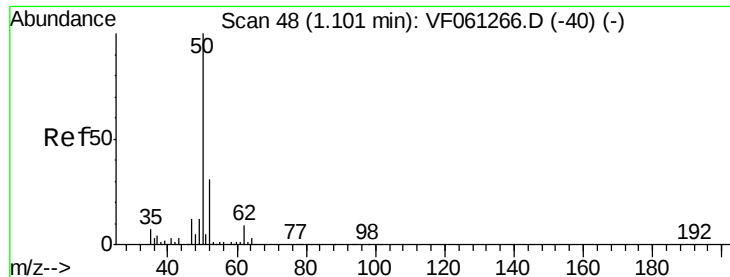
20000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 44.579 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

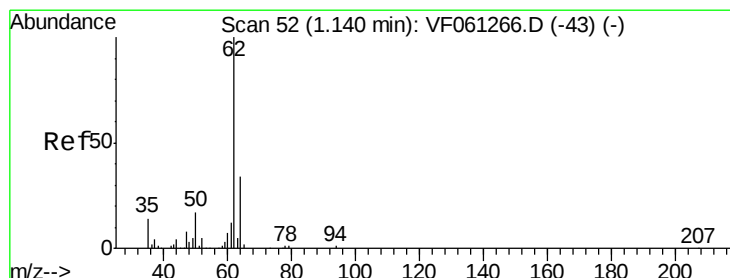
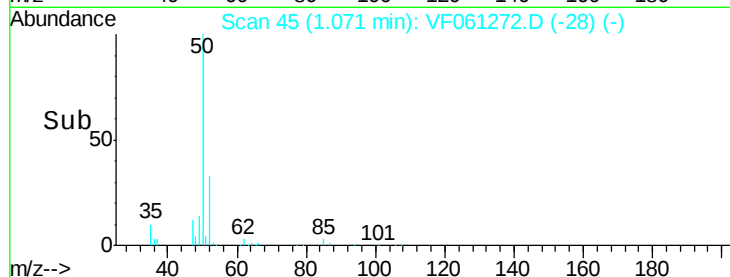
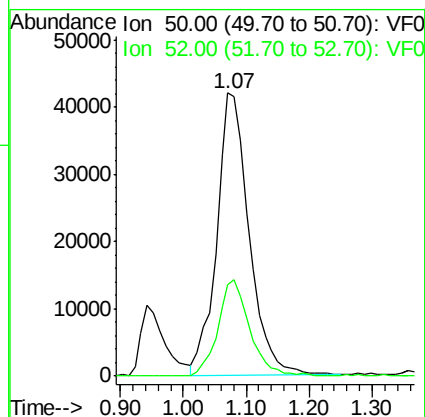
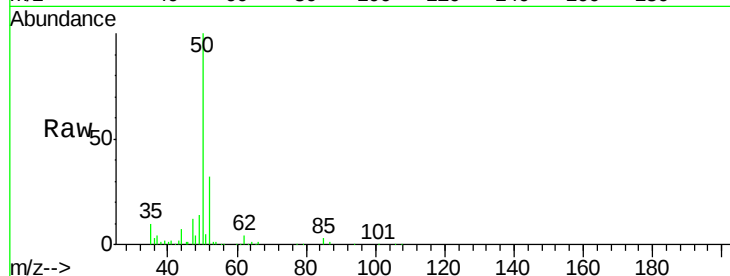
VSTDCCC050

Tot Ion: 50 Resp: 149698

Ion Ratio Lower Upper

50 100

52 32.4 23.4 35.2



#4

Vinyl Chloride

Concen: 47.234 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF061272.D

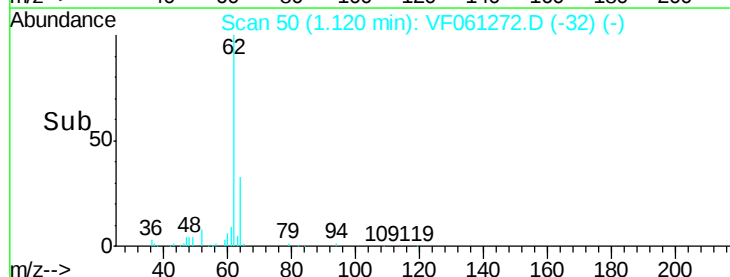
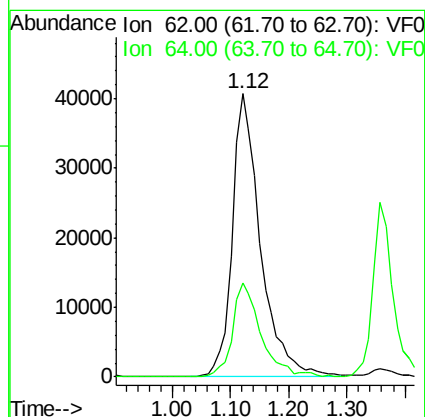
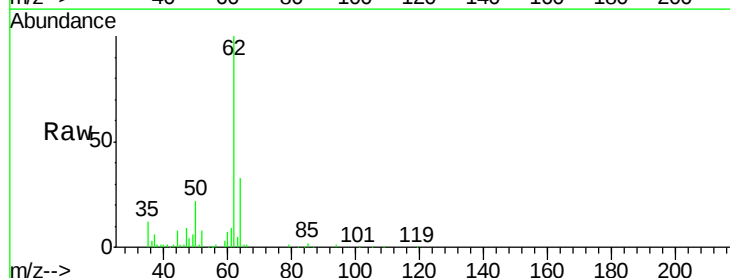
Acq: 7 Jan 2019 11:31

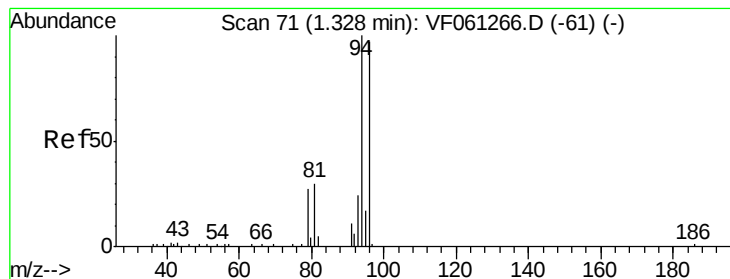
Tgt Ion: 62 Resp: 137388

Ion Ratio Lower Upper

62 100

64 33.1 26.9 40.3





#5

Bromomethane

Concen: 49.523 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

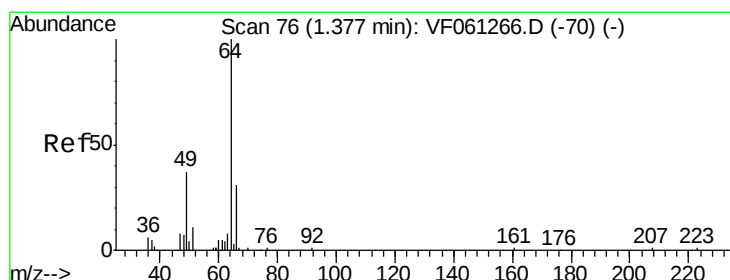
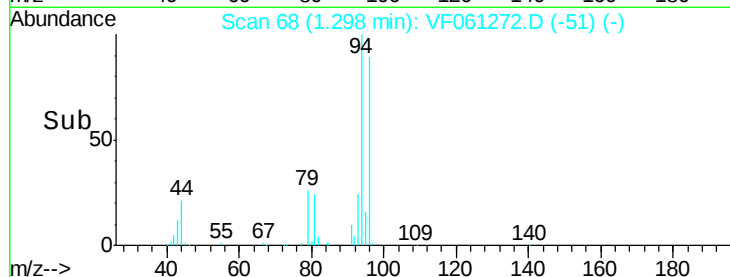
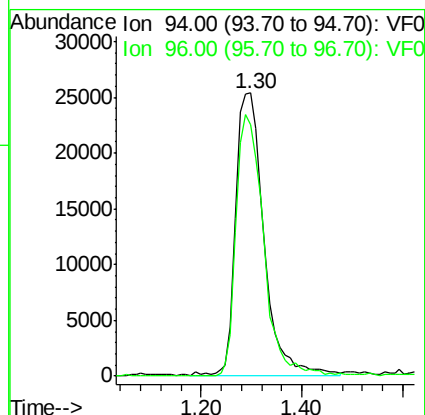
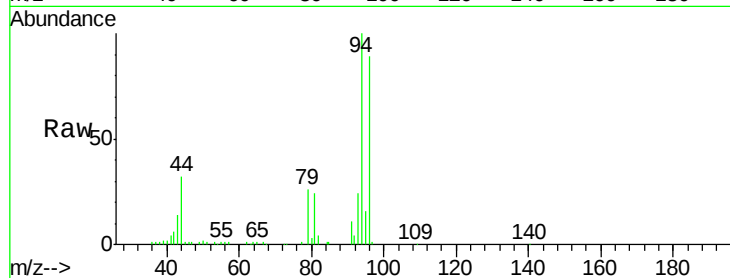
VSTDCCC050

Tot Ion: 94 Resp: 98481

Ion Ratio Lower Upper

94 100

96 89.0 77.2 115.8



#6

Chloroethane

Concen: 46.259 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.02 min

Lab File: VF061272.D

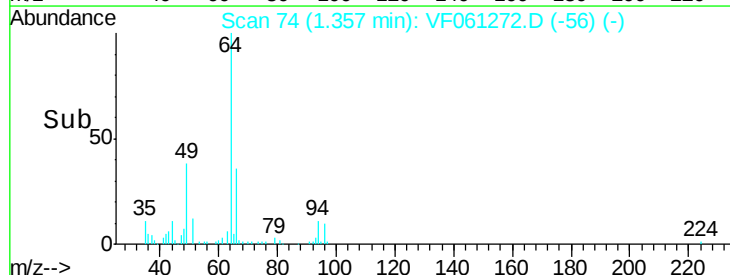
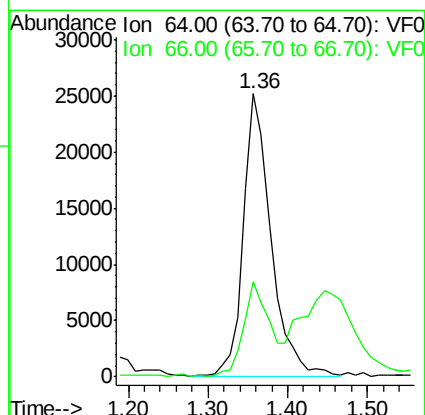
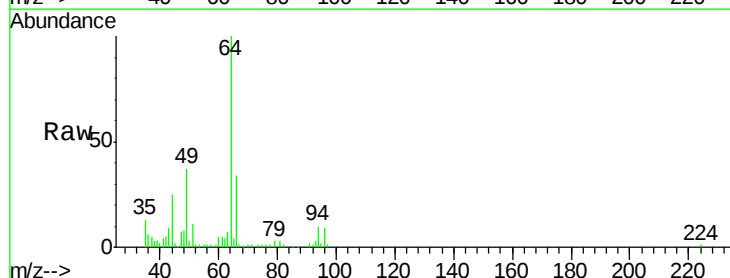
Acq: 7 Jan 2019 11:31

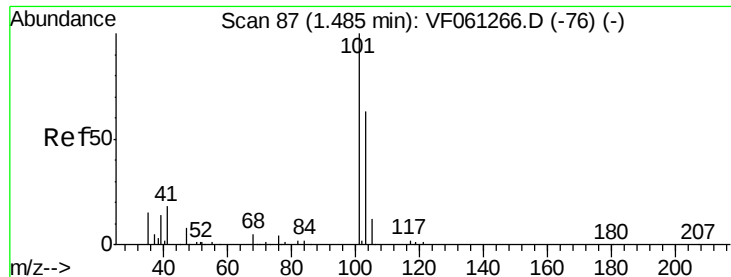
Tgt Ion: 64 Resp: 60977

Ion Ratio Lower Upper

64 100

66 33.8 25.2 37.8





#7

Trichlorofluoromethane

Concen: 47.171 ug/l

RT: 1.46 min Scan# 84

Delta R.T. -0.03 min

Lab File: VF061272.D

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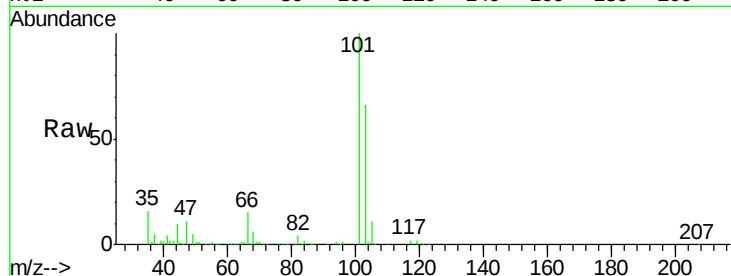
VSTDCCC050

Tot Ion:101 Resp: 246901

Ion Ratio Lower Upper

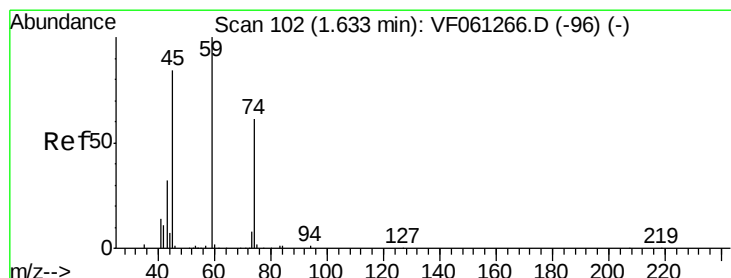
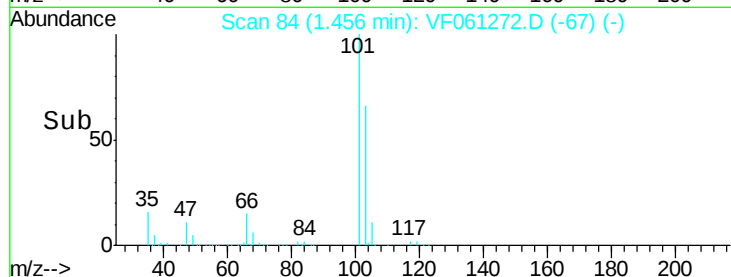
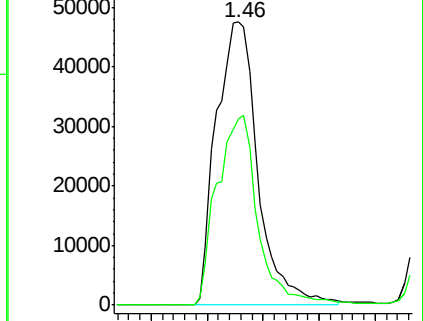
101 100

103 65.8 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.619 ug/l

RT: 1.61 min Scan# 100

Delta R.T. -0.02 min

Lab File: VF061272.D

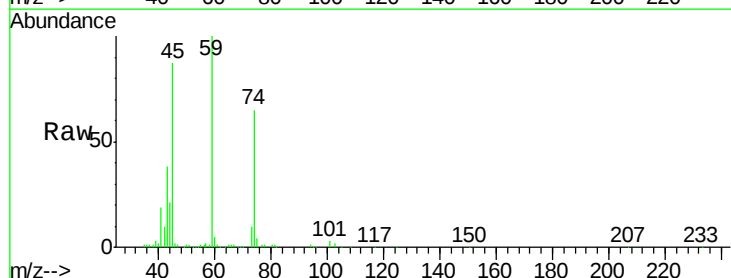
Acq: 7 Jan 2019 11:31

Tgt Ion: 74 Resp: 37799

Ion Ratio Lower Upper

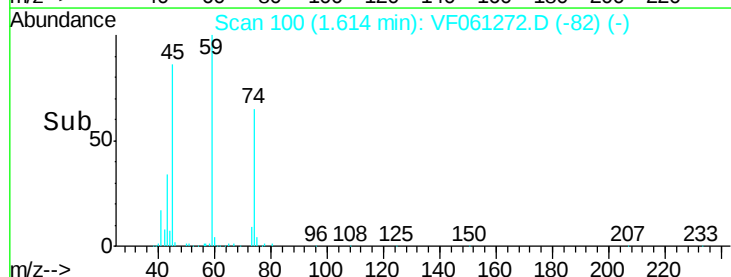
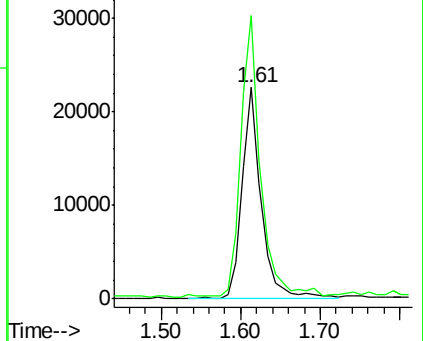
74 100

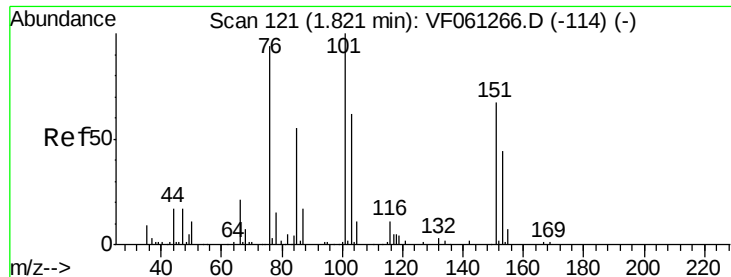
45 133.9 69.0 207.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.205 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.02 min

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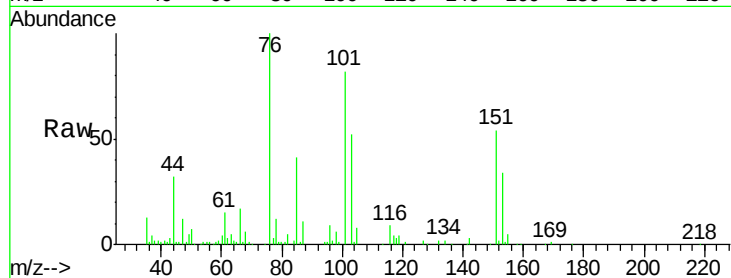
Tot Ion:101 Resp: 123444

Ion Ratio Lower Upper

101 100

85 50.3 42.9 64.3

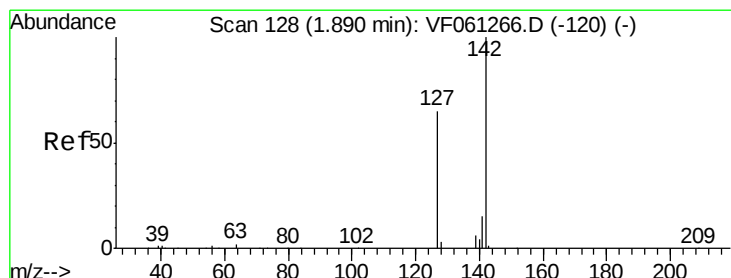
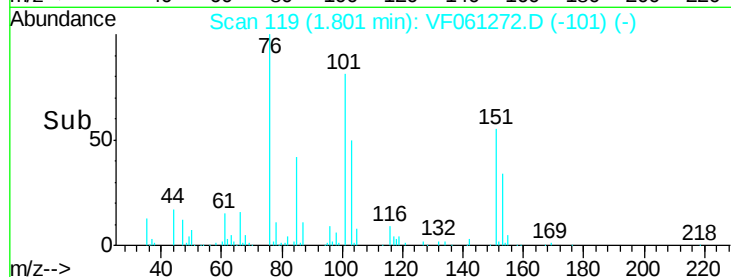
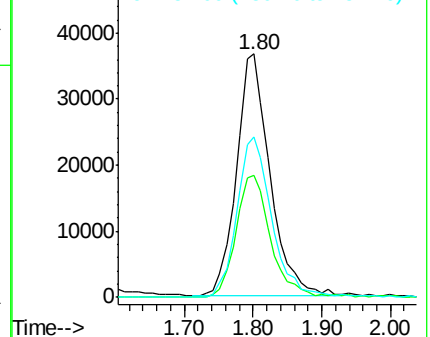
151 65.9 52.4 78.6



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: 33.031 ug/l

RT: 1.87 min Scan# 126

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

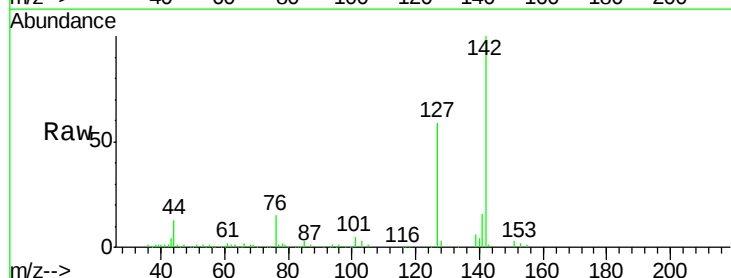
Tgt Ion:142 Resp: 139561

Ion Ratio Lower Upper

142 100

127 58.5 52.3 78.5

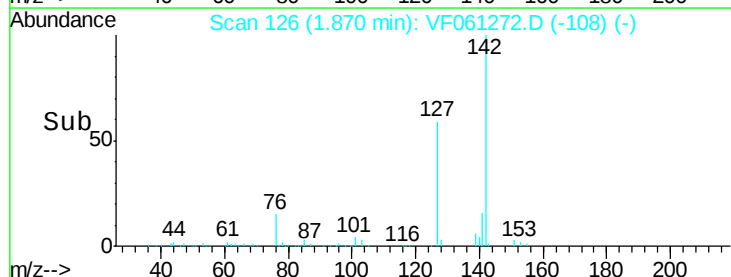
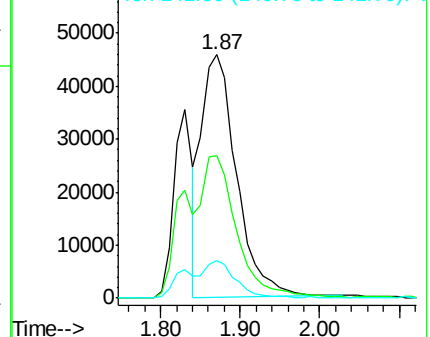
141 15.7 12.2 18.4

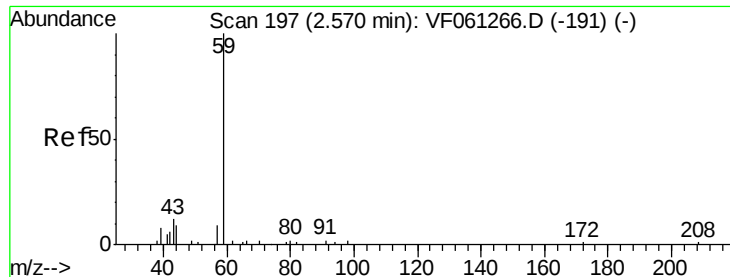


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



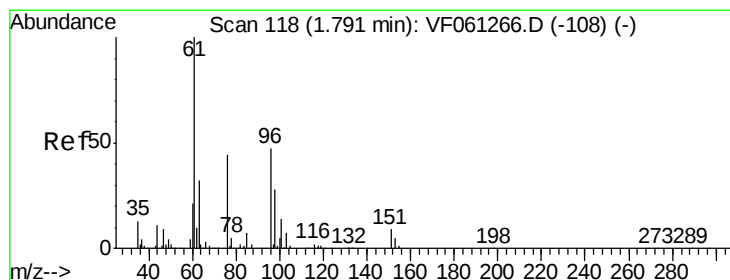
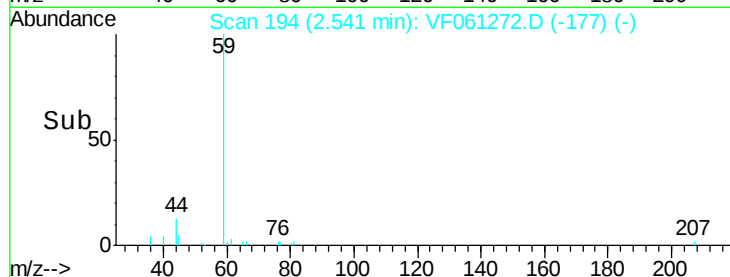
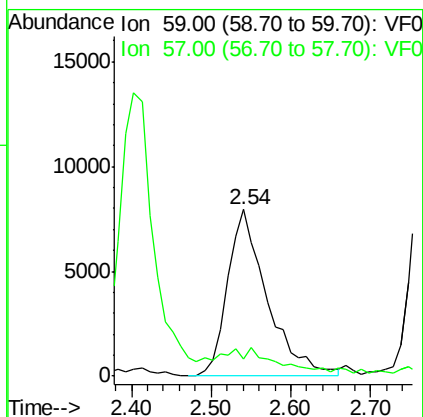
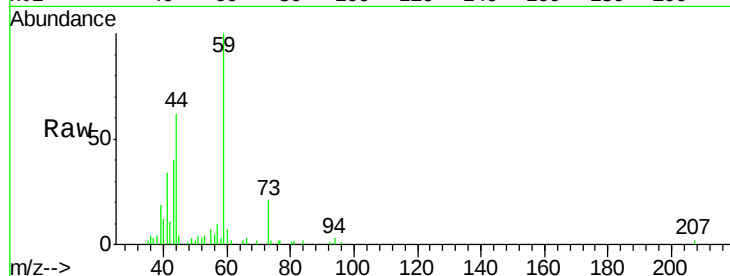


#11

Tert butyl alcohol
Concen: 226.175 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

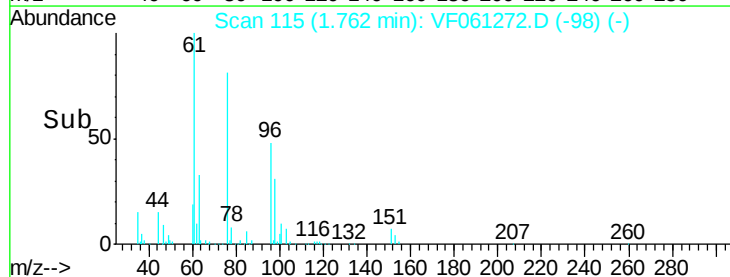
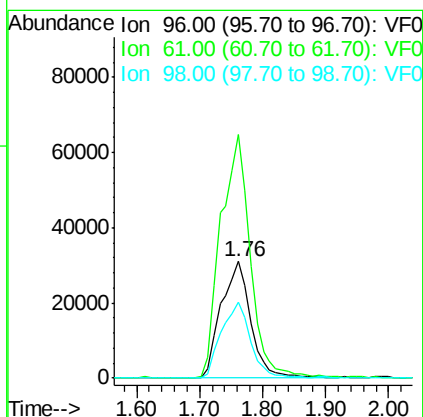
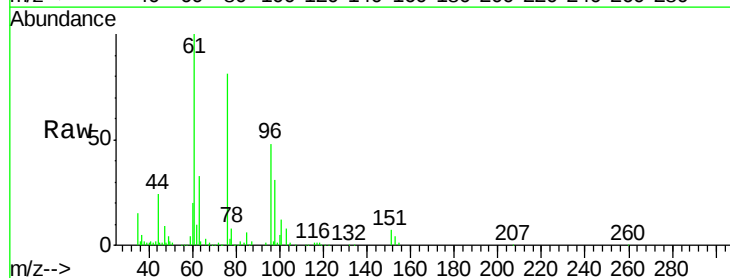
Tot Ion: 59 Resp: 27657
Ion Ratio Lower Upper
59 100
57 10.1 12.6 18.8#

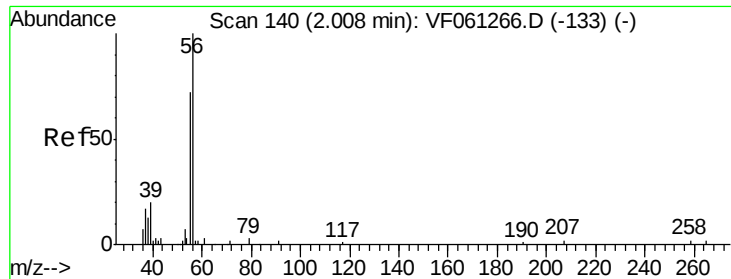


#12

1,1-Dichloroethene
Concen: 46.316 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 96 Resp: 101813
Ion Ratio Lower Upper
96 100
61 209.0 171.6 257.4
98 65.2 48.6 72.8

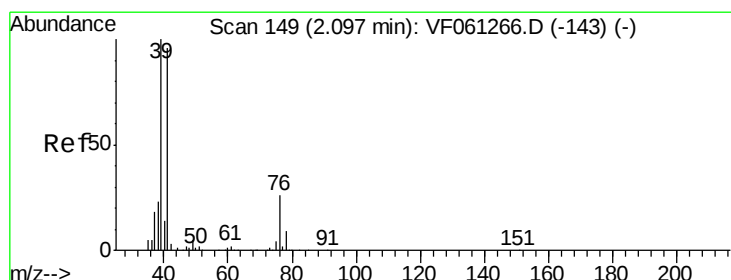
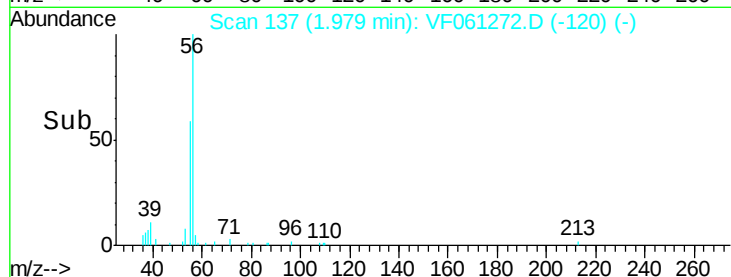
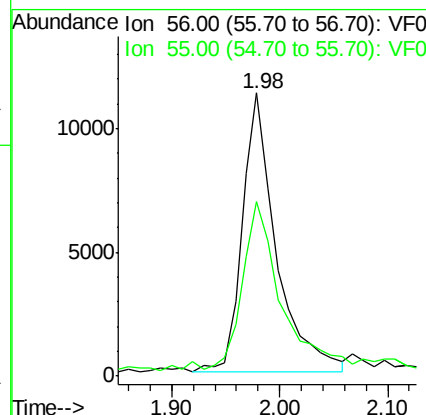
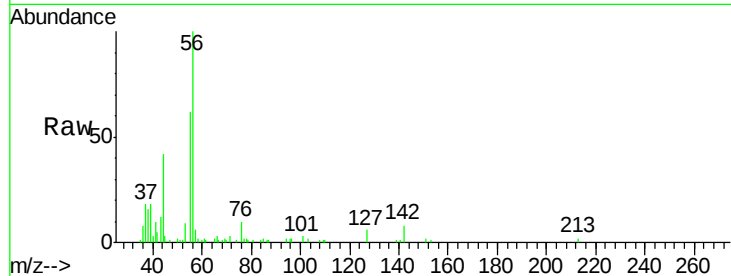




#13
Acrolein
Concen: 246.174 ug/l
RT: 1.98 min Scan# 137
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

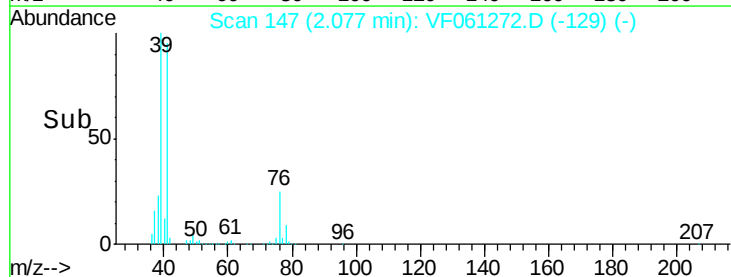
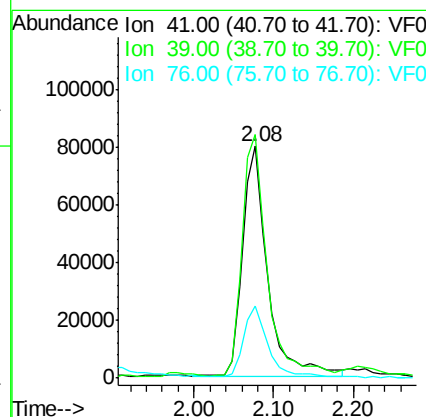
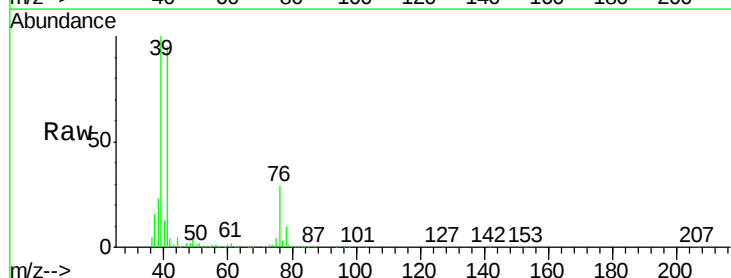
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

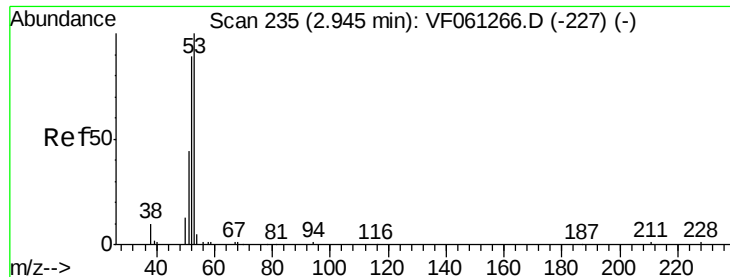
Tot Ion: 56 Resp: 24563
Ion Ratio Lower Upper
56 100
55 61.8 59.7 89.5



#14
Allyl chloride
Concen: 57.254 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.02 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 41 Resp: 173994
Ion Ratio Lower Upper
41 100
39 105.0 83.4 125.2
76 30.9 23.9 35.9





#15

Acrylonitrile

Concen: 222.167 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

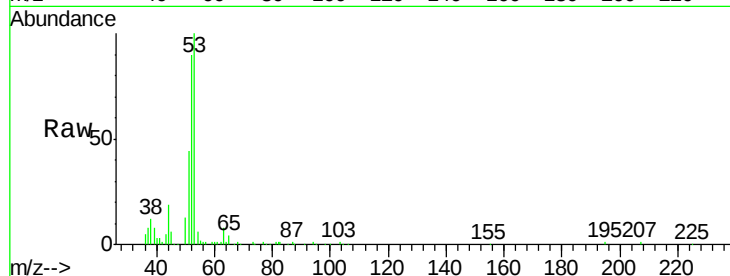
Tot Ion: 53 Resp: 72629

Ion Ratio Lower Upper

53 100

52 89.8 71.3 106.9

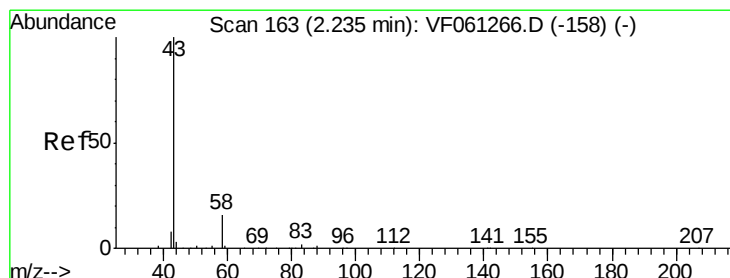
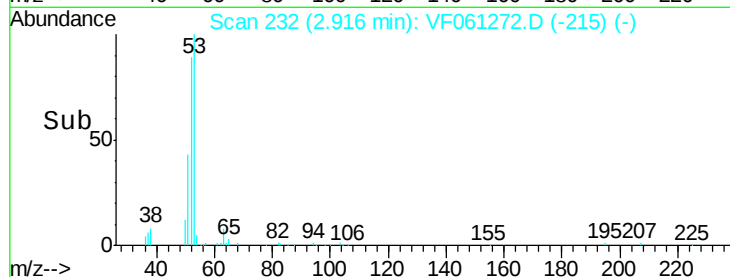
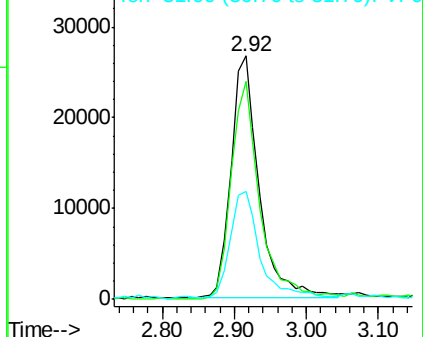
51 44.5 36.2 54.4



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 325.155 ug/l

RT: 2.22 min Scan# 161

Delta R.T. -0.02 min

Lab File: VF061272.D

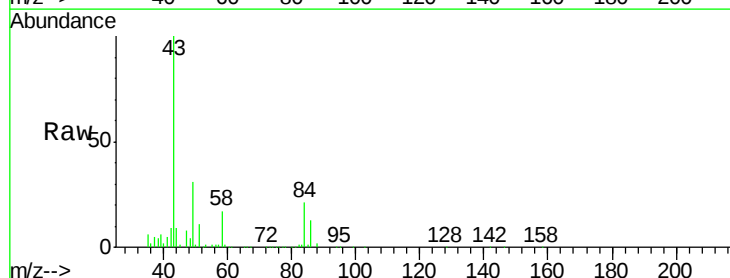
Acq: 7 Jan 2019 11:31

Tgt Ion: 43 Resp: 160890

Ion Ratio Lower Upper

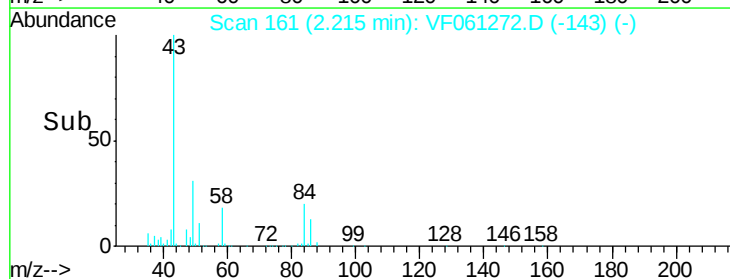
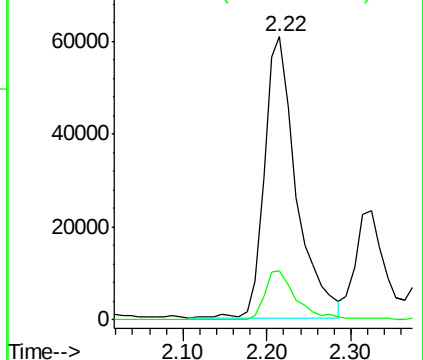
43 100

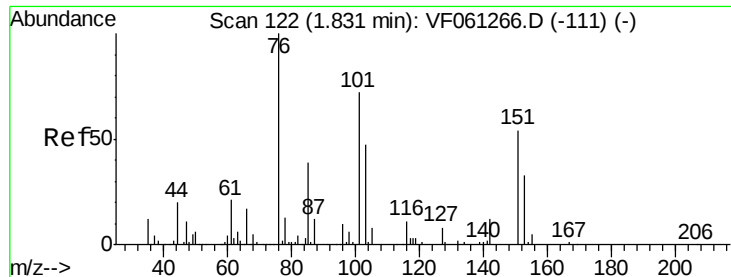
58 17.3 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

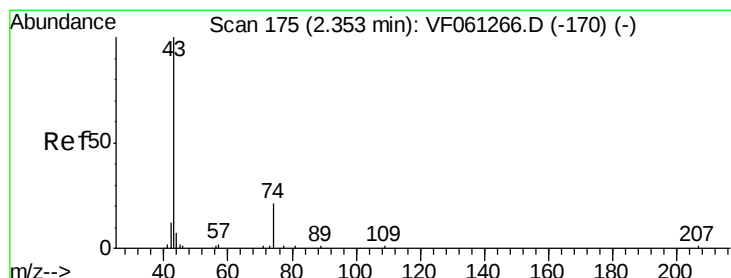
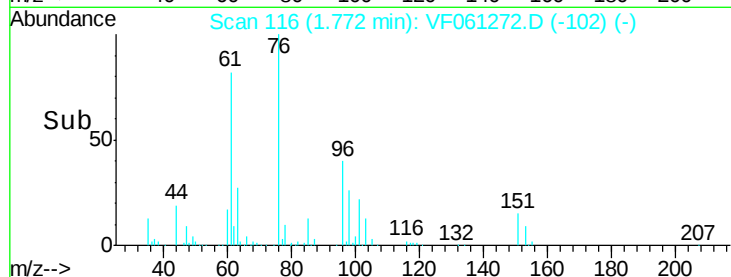
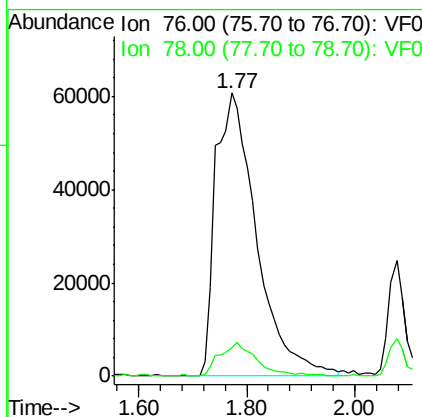
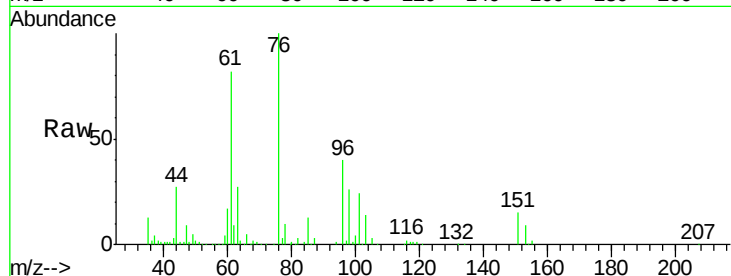




#17
Carbon Disulfide
Concen: 47.969 ug/l
RT: 1.77 min Scan# 116
Delta R.T. -0.06 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

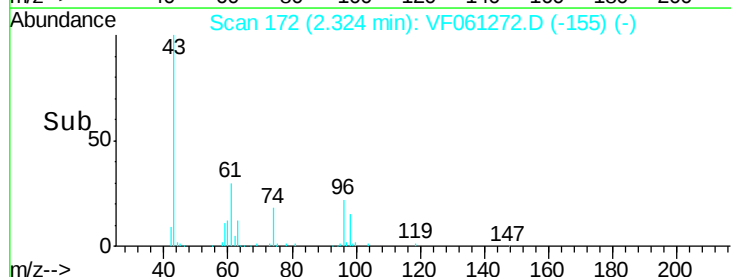
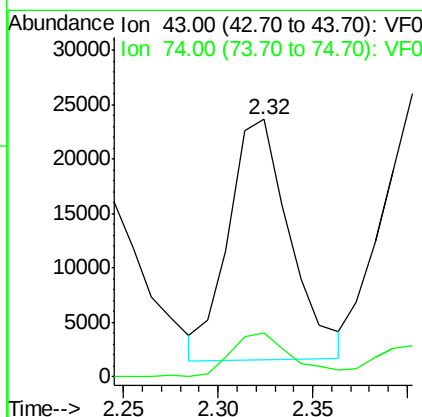
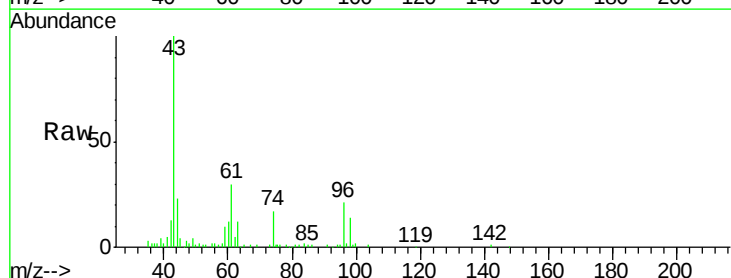
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

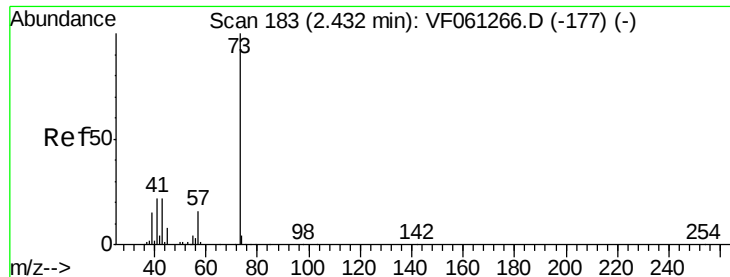
Tot Ion: 76 Resp: 321090
Ion Ratio Lower Upper
76 100
78 10.2 10.2 15.4#



#18
Methyl Acetate
Concen: 44.301 ug/l
RT: 2.32 min Scan# 172
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 43 Resp: 49929
Ion Ratio Lower Upper
43 100
74 17.0 14.4 21.6



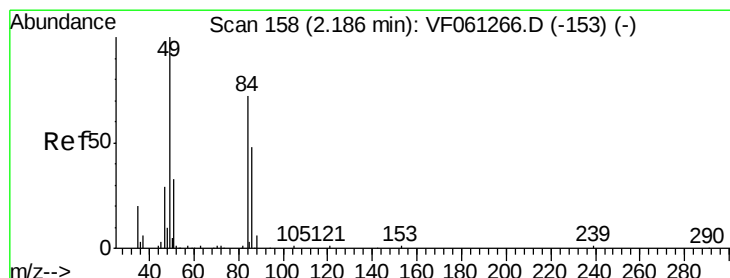
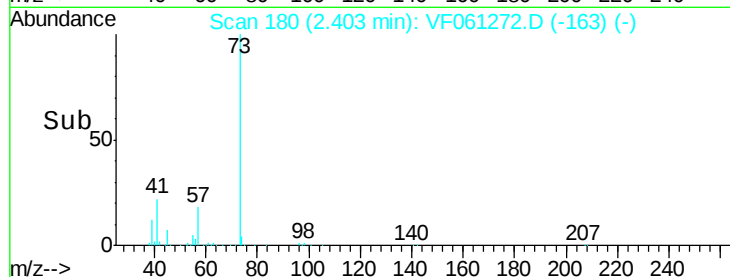
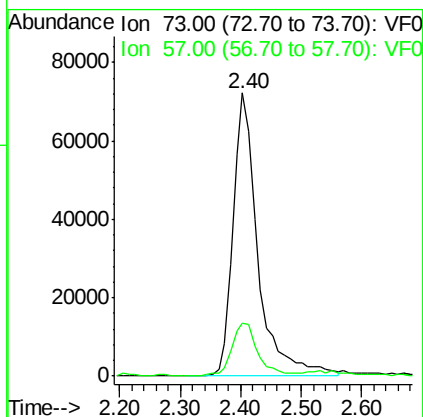
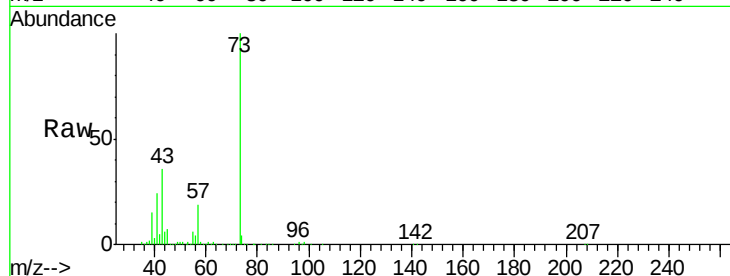


#19

Methyl tert-butyl Ether
 Concen: 45.132 ug/l
 RT: 2.40 min Scan# 180
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

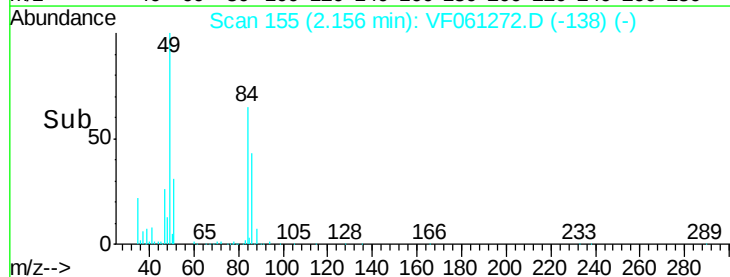
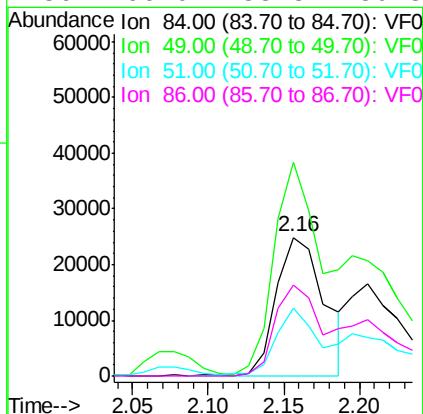
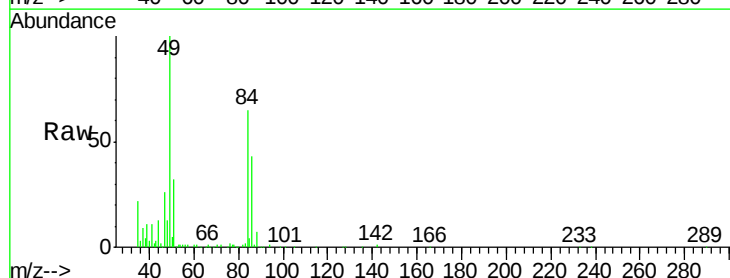
Tot Ion: 73 Resp: 206797
 Ion Ratio Lower Upper
 73 100
 57 18.7 14.0 21.0

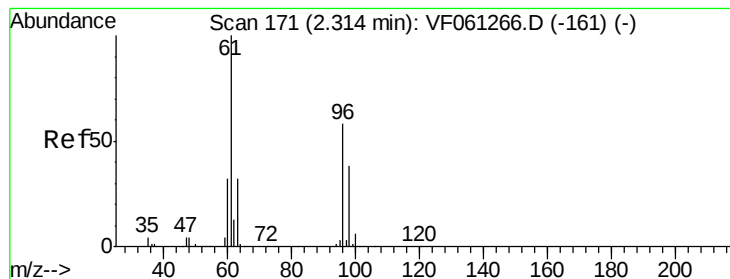


#20

Methylene Chloride
 Concen: 22.308 ug/l
 RT: 2.16 min Scan# 155
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion: 84 Resp: 55490
 Ion Ratio Lower Upper
 84 100
 49 154.3 112.9 169.3
 51 48.7 37.9 56.9
 86 66.0 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 42.513 ug/l

RT: 2.28 min Scan# 168

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

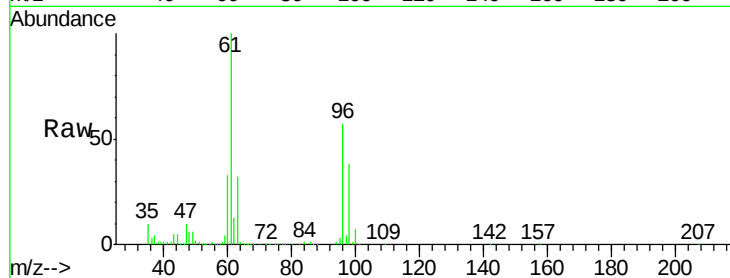
Tot Ion: 96 Resp: 98290

Ion Ratio Lower Upper

96 100

61 176.0 139.3 208.9

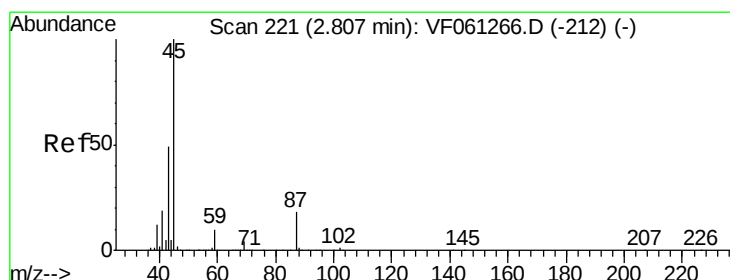
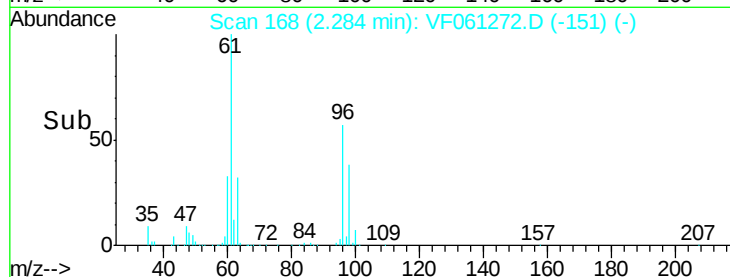
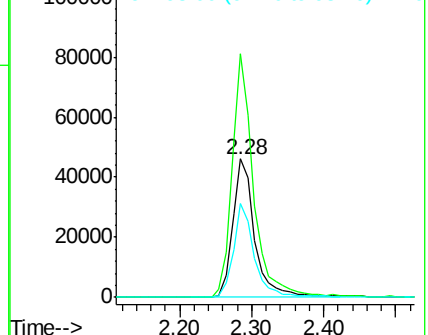
98 67.6 52.6 78.8



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: 45.896 ug/l

RT: 2.77 min Scan# 217

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion: 45 Resp: 350713

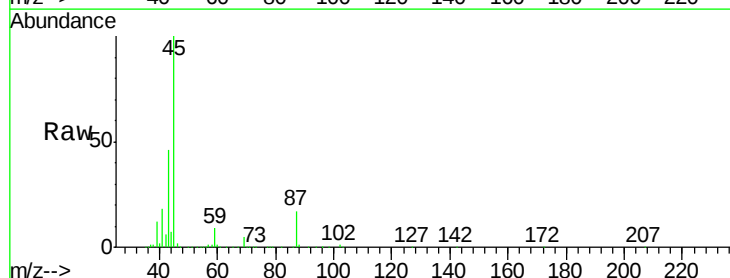
Ion Ratio Lower Upper

45 100

43 45.6 39.5 59.3

87 16.9 14.8 22.2

59 9.2 7.8 11.8

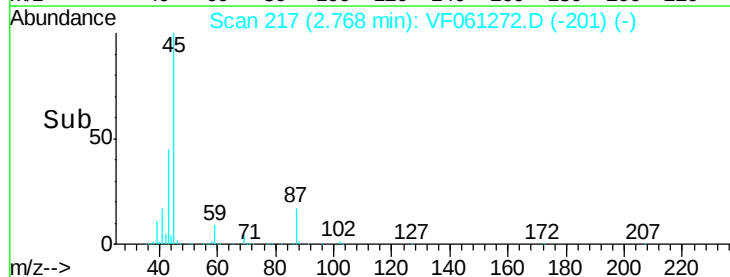
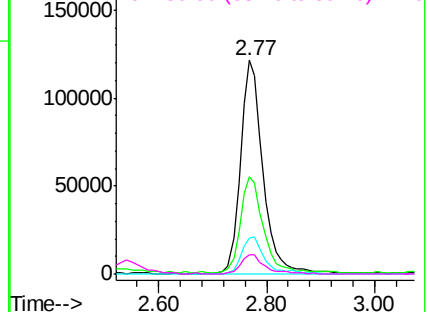


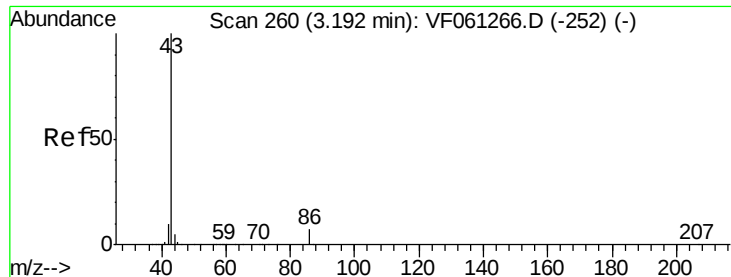
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 200.347 ug/l

RT: 3.15 min Scan# 256

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

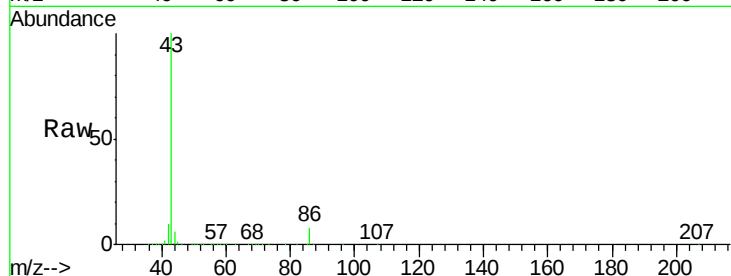
VSTDCCC050

Tot Ion: 43 Resp: 701122

Ion Ratio Lower Upper

43 100

86 7.7 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.15

250000

200000

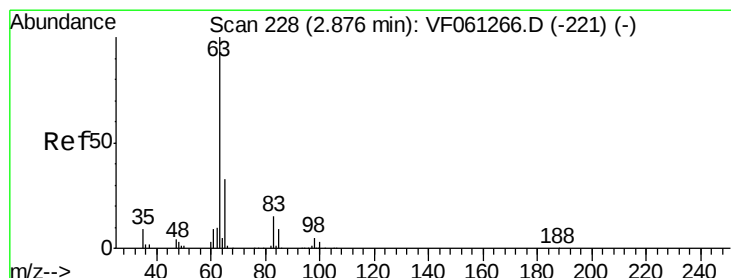
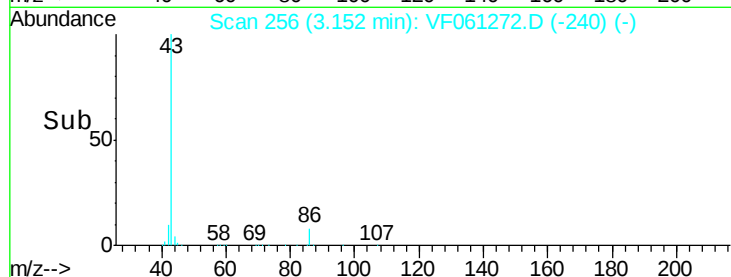
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30



#24

1,1-Dichloroethane

Concen: 45.911 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

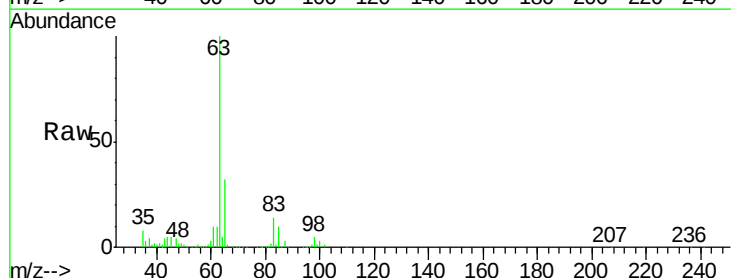
Tgt Ion: 63 Resp: 205692

Ion Ratio Lower Upper

63 100

98 5.2 2.5 7.5

100 2.5 1.6 4.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.85

100000

80000

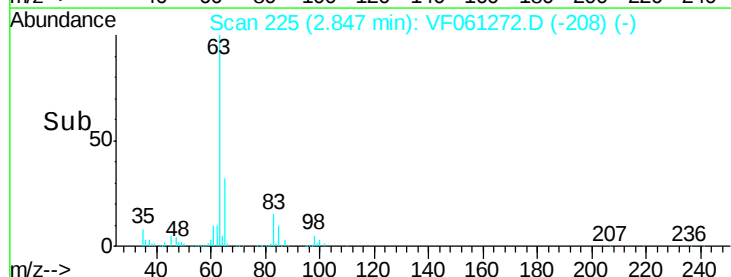
60000

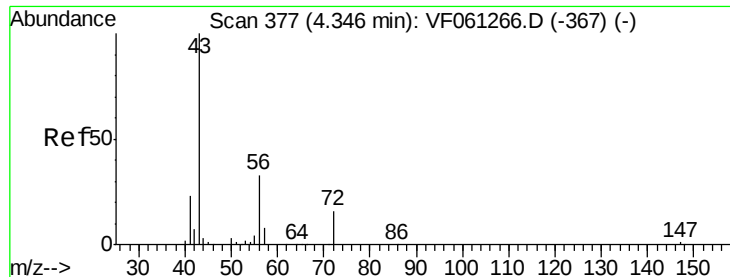
40000

20000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 255.401 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

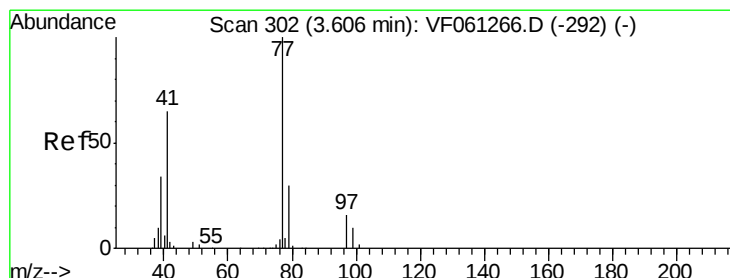
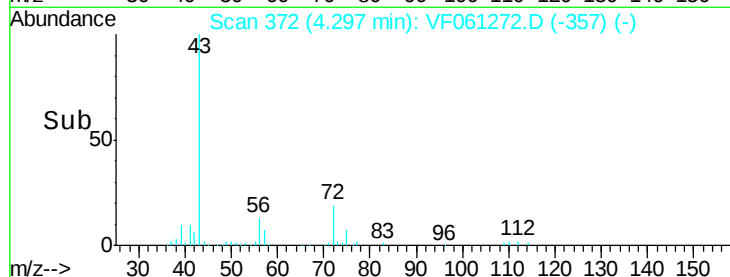
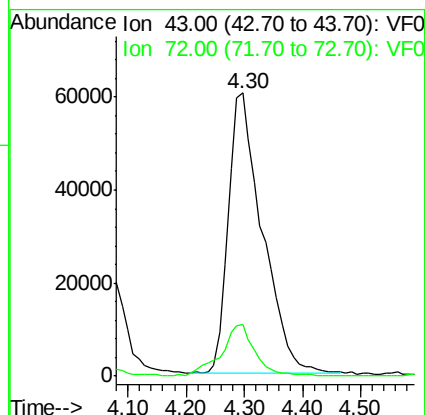
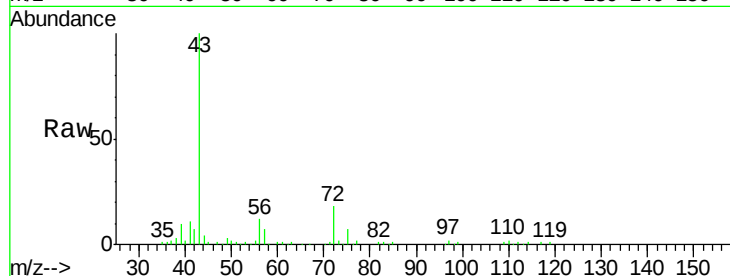
VSTDCCC050

Tot Ion: 43 Resp: 246105

Ion Ratio Lower Upper

43 100

72 18.5 13.0 19.6



#26

2,2-Dichloropropane

Concen: 48.214 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.05 min

Lab File: VF061272.D

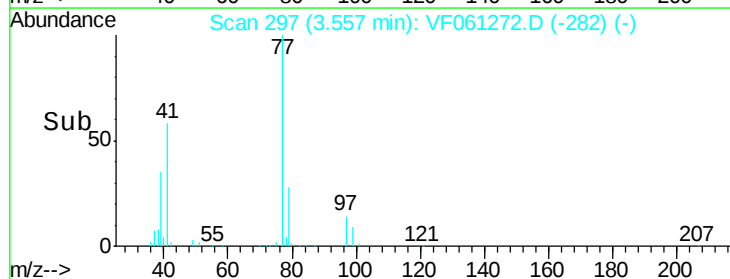
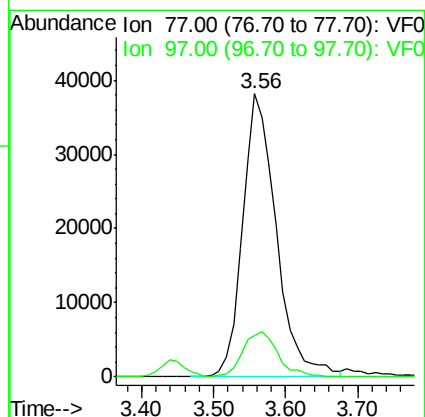
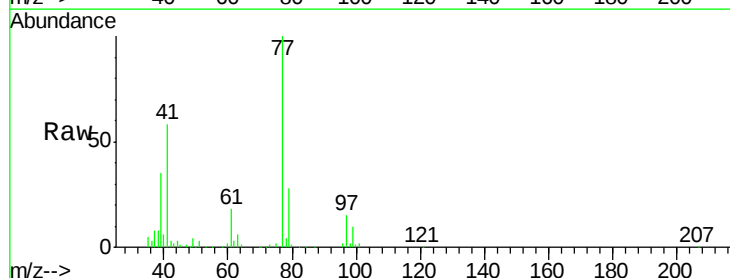
Acq: 7 Jan 2019 11:31

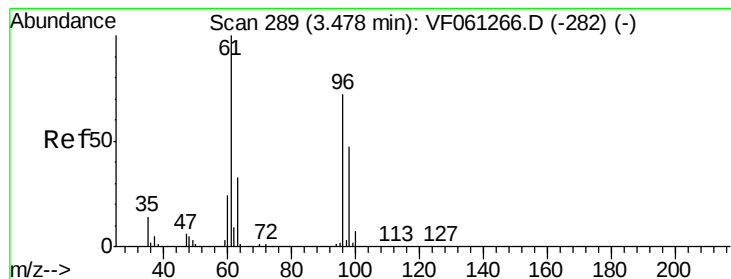
Tgt Ion: 77 Resp: 124392

Ion Ratio Lower Upper

77 100

97 14.8 8.9 26.7



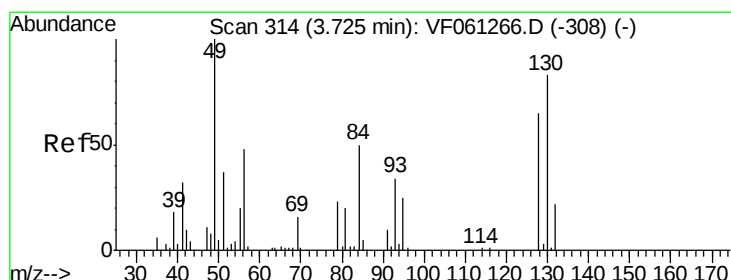
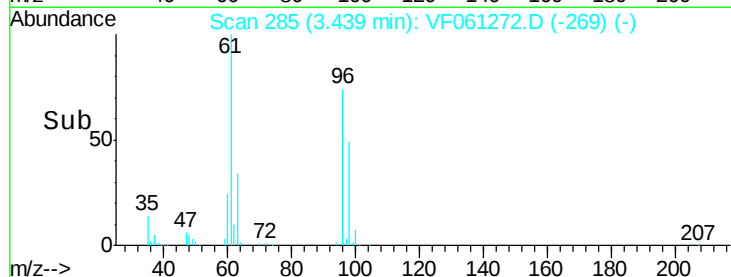
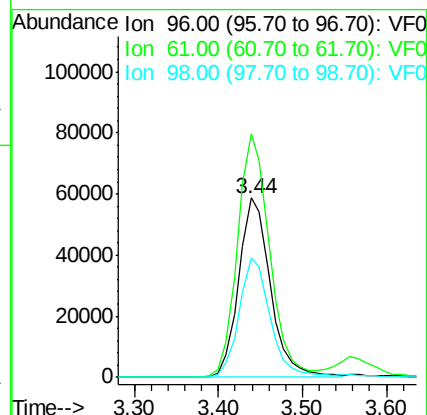
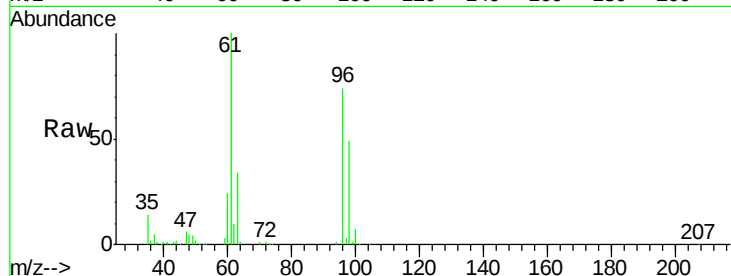


#27

cis-1,2-Dichloroethene
 Concen: 45.808 ug/l
 RT: 3.44 min Scan# 285
 Delta R.T. -0.04 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

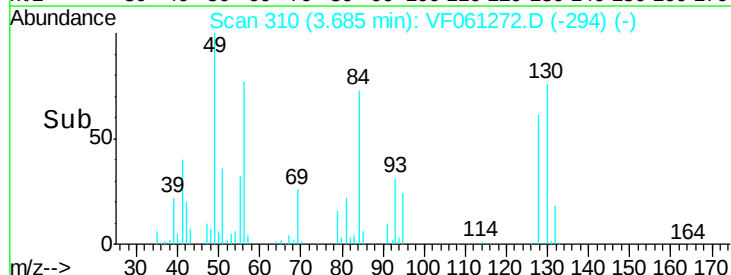
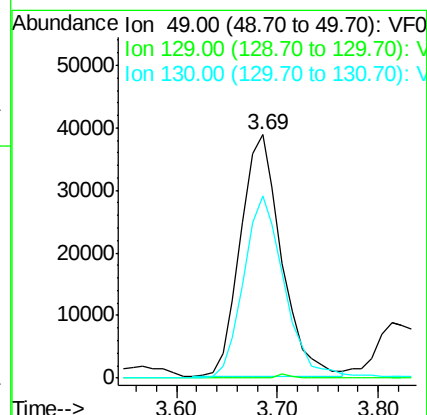
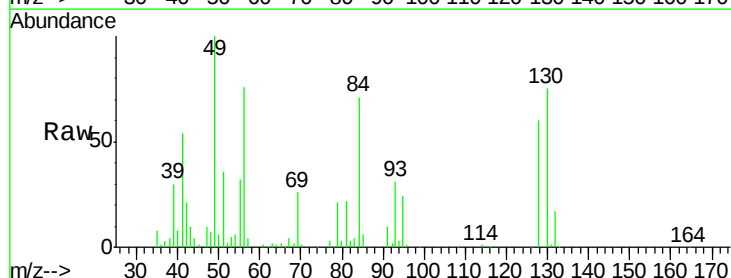
Tot Ion: 96 Resp: 155628
 Ion Ratio Lower Upper
 96 100
 61 135.6 0.0 277.8
 98 66.4 0.0 130.8

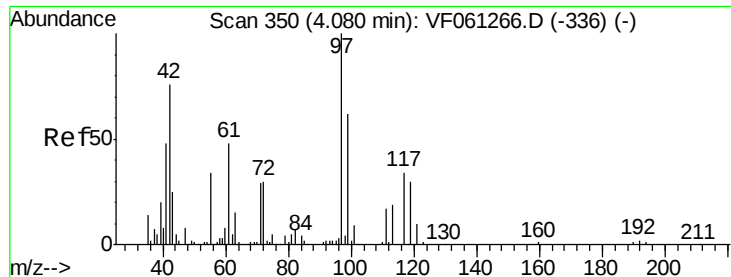


#28

Bromochloromethane
 Concen: 51.704 ug/l
 RT: 3.69 min Scan# 310
 Delta R.T. -0.04 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion: 49 Resp: 109659
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.4
 130 74.9 65.7 98.5





#29

Tetrahydrofuran

Concen: 260.995 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

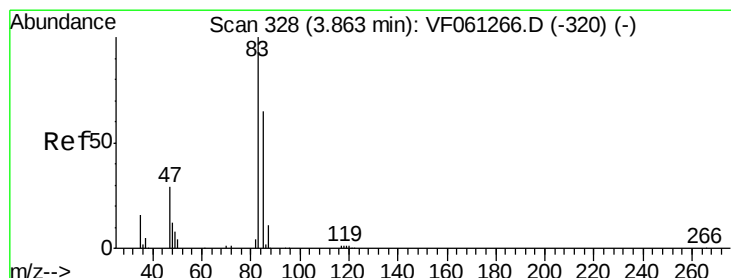
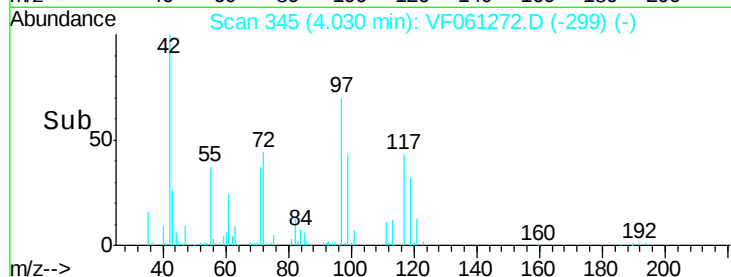
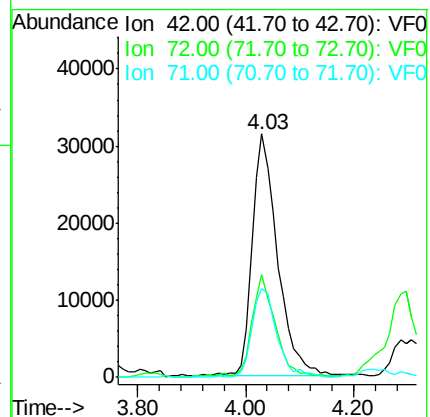
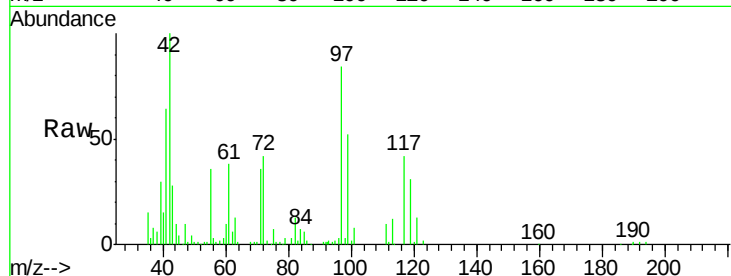
Tot Ion: 42 Resp: 101211

Ion Ratio Lower Upper

42 100

72 39.2 29.2 43.8

71 36.7 29.1 43.7



#30

Chloroform

Concen: 45.550 ug/l

RT: 3.82 min Scan# 324

Delta R.T. -0.04 min

Lab File: VF061272.D

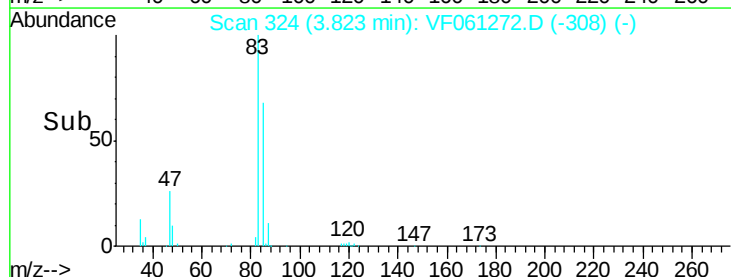
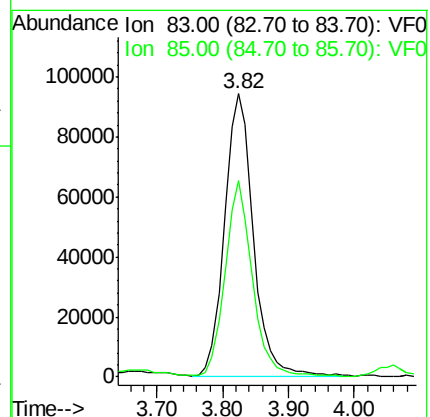
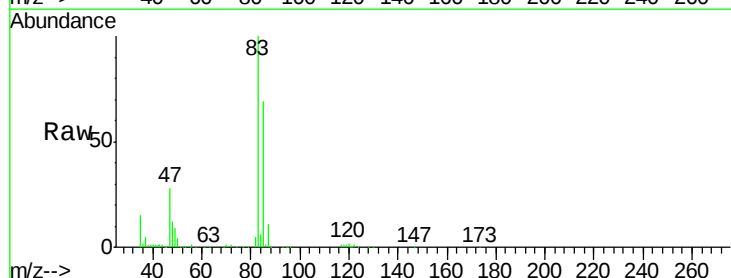
Acq: 7 Jan 2019 11:31

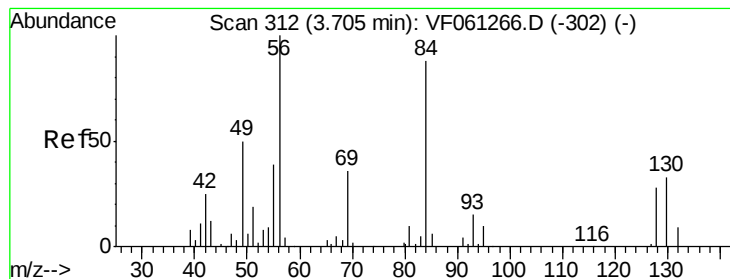
Tgt Ion: 83 Resp: 285452

Ion Ratio Lower Upper

83 100

85 69.2 52.2 78.4





#31

Cyclohexane

Concen: 45.896 ug/l

RT: 3.66 min Scan# 307

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

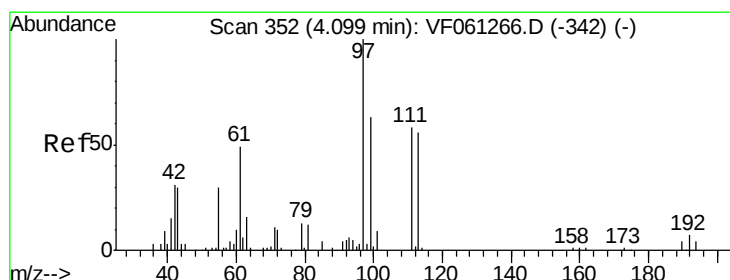
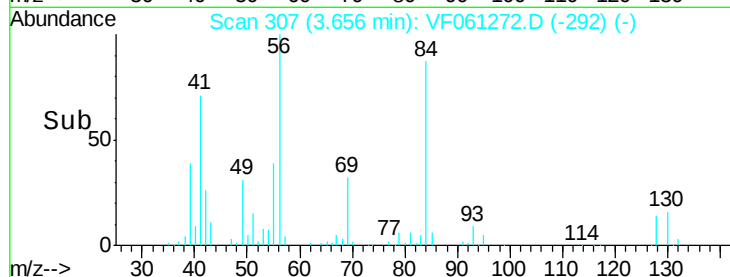
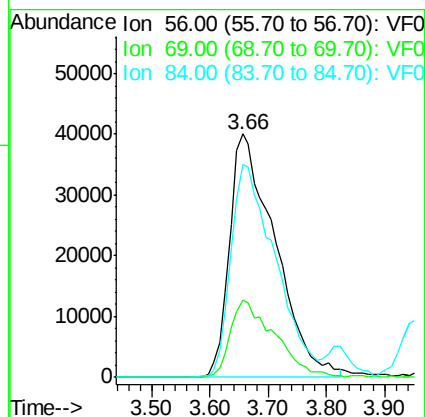
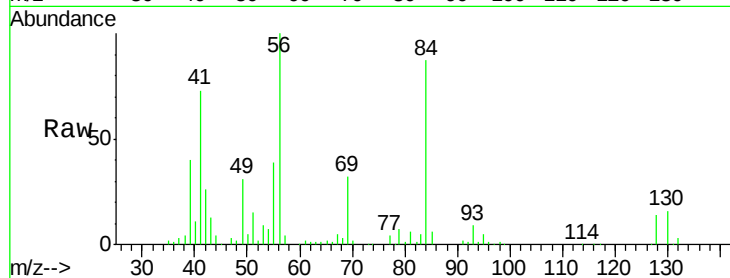
Tot Ion: 56 Resp: 217942

Ion Ratio Lower Upper

56 100

69 31.7 28.7 43.1

84 87.2 70.6 106.0



#32

1,1,1-Trichloroethane

Concen: 53.836 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

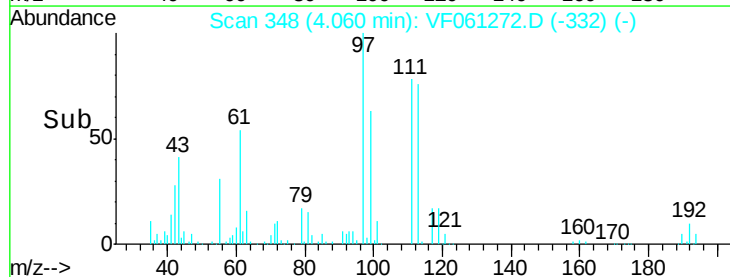
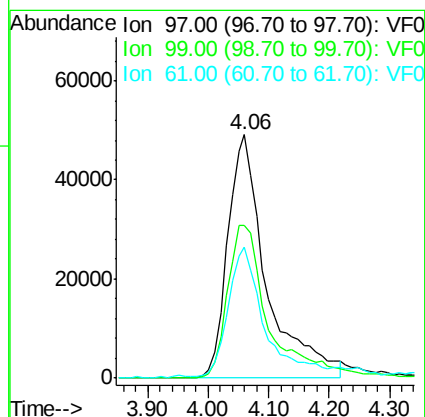
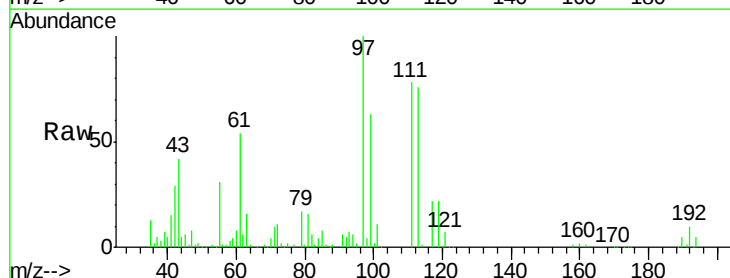
Tgt Ion: 97 Resp: 219140

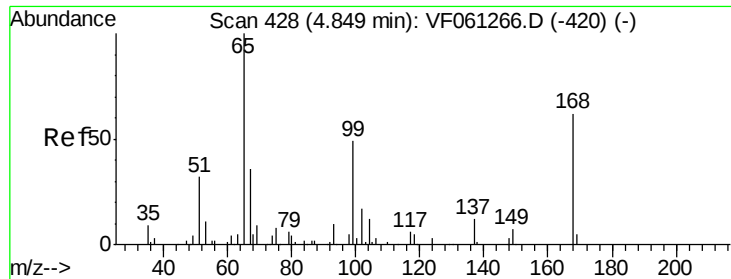
Ion Ratio Lower Upper

97 100

99 62.8 50.6 76.0

61 53.9 39.6 59.4





#33

1,2-Dichloroethane-d4

Concen: 48.373 ug/l

RT: 4.81 min Scan# 424

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

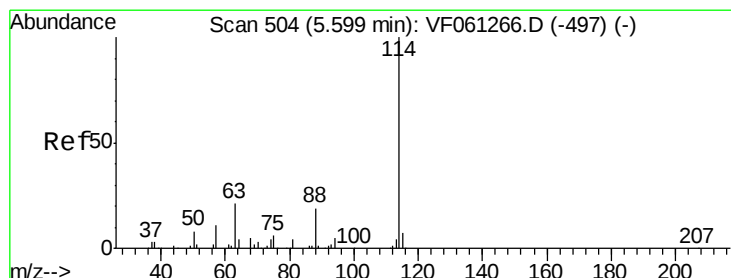
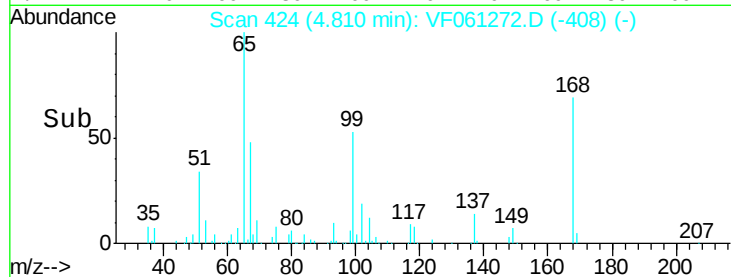
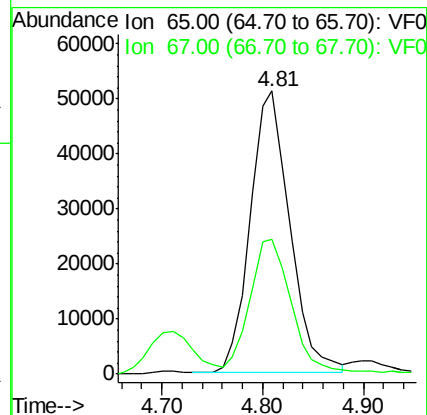
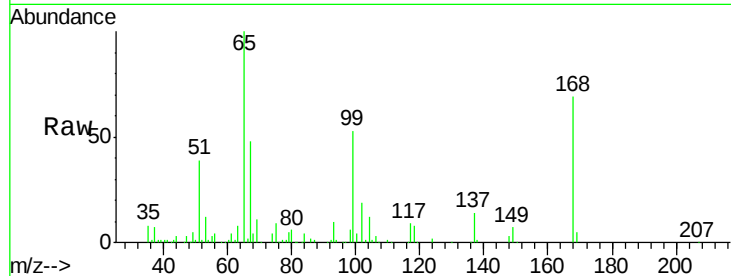
VSTDCCC050

Tot Ion: 65 Resp: 140181

Ion Ratio Lower Upper

65 100

67 47.7 0.0 90.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.56 min Scan# 500

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

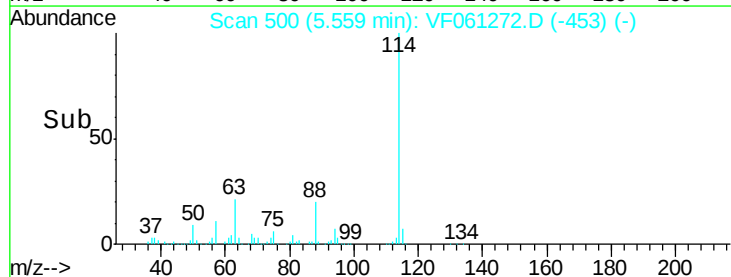
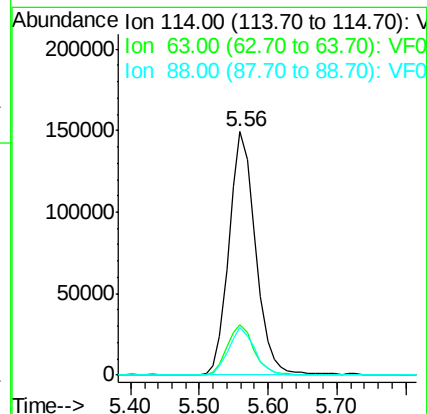
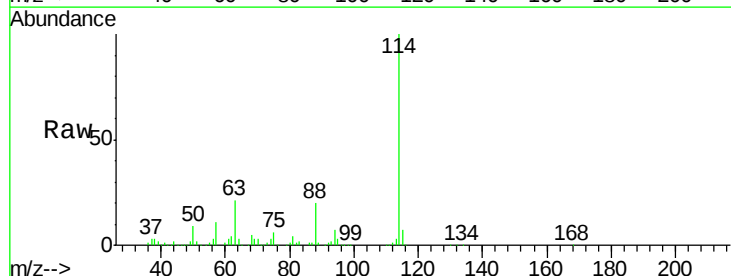
Tgt Ion: 114 Resp: 400380

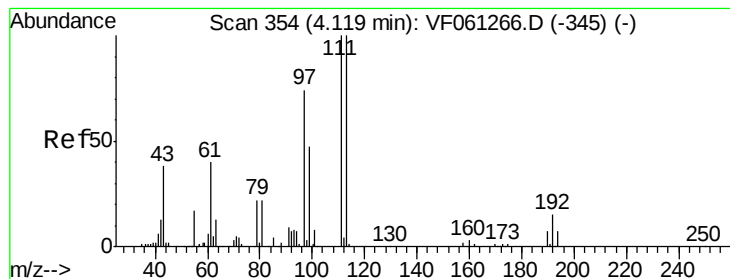
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.8

88 19.9 0.0 38.4





#35

Dibromofluoromethane

Concen: 50.158 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.05 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

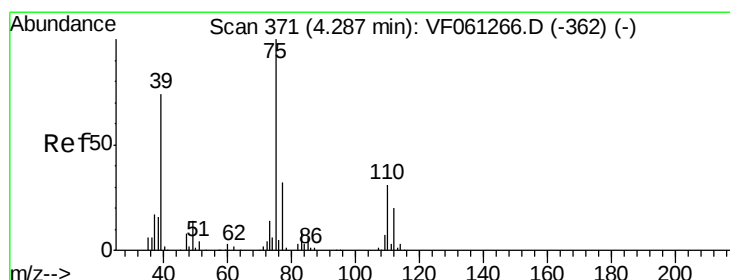
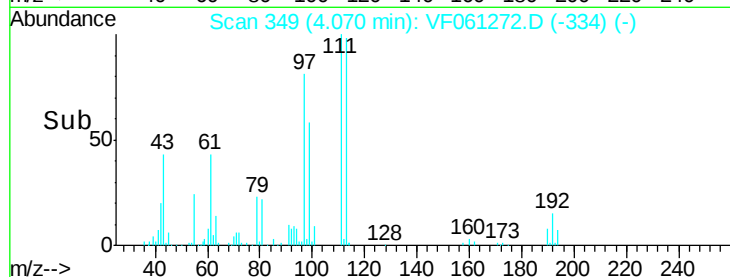
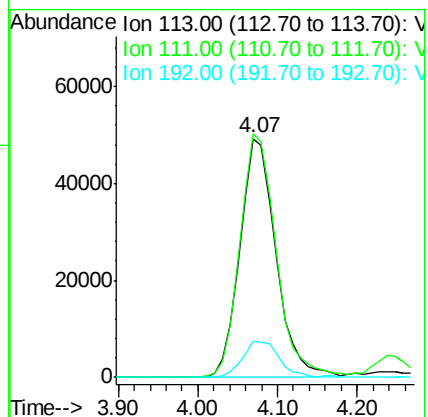
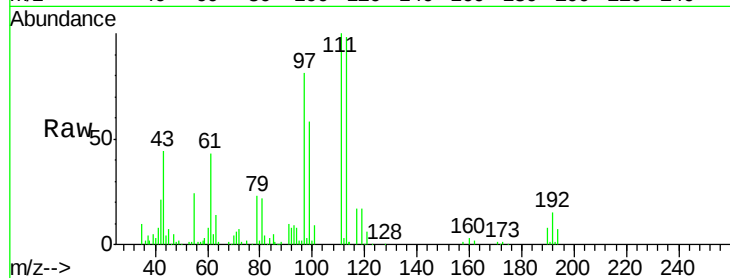
Tot Ion:113 Resp: 154502

Ion Ratio Lower Upper

113 100

111 102.0 79.8 119.6

192 16.0 11.9 17.9



#36

1,1-Dichloropropene

Concen: 46.702 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

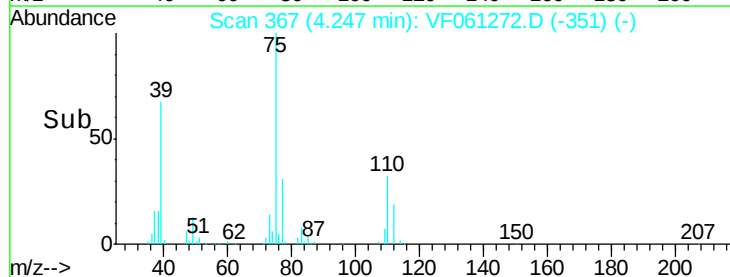
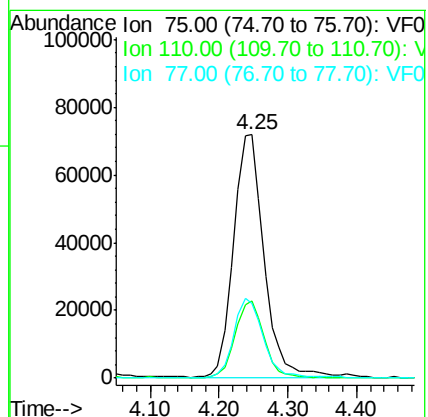
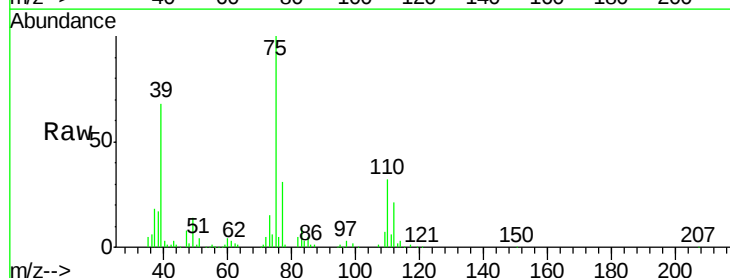
Tgt Ion: 75 Resp: 220220

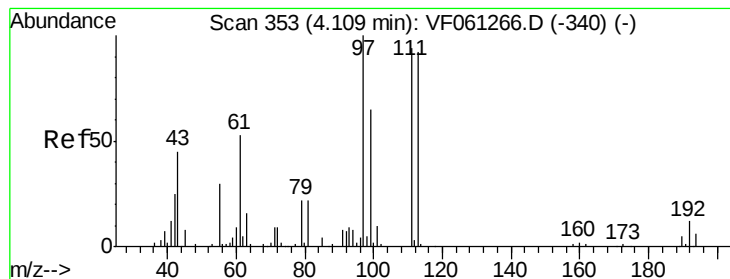
Ion Ratio Lower Upper

75 100

110 31.7 15.4 46.4

77 30.9 25.6 38.4





#37

Ethyl Acetate

Concen: 47.167 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

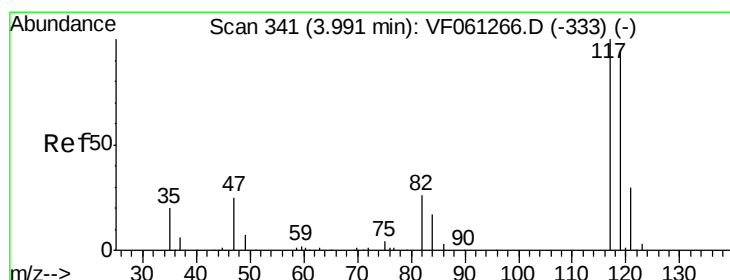
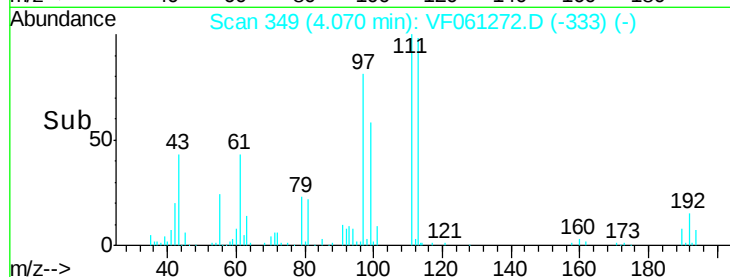
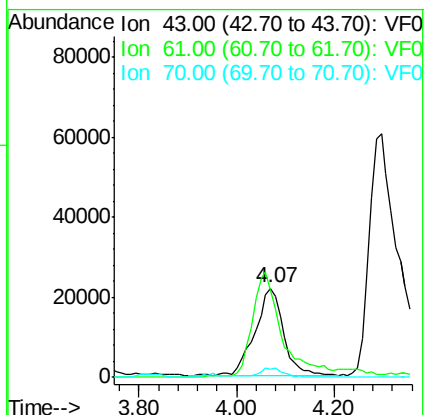
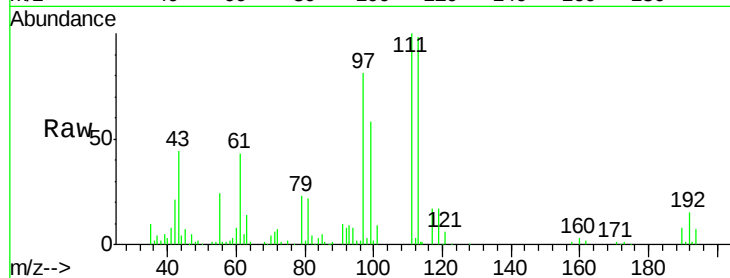
Tot Ion: 43 Resp: 88804

Ion Ratio Lower Upper

43 100

61 98.3 91.2 136.8

70 9.8 7.1 10.7



#38

Carbon Tetrachloride

Concen: 64.294 ug/l

RT: 3.95 min Scan# 337

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

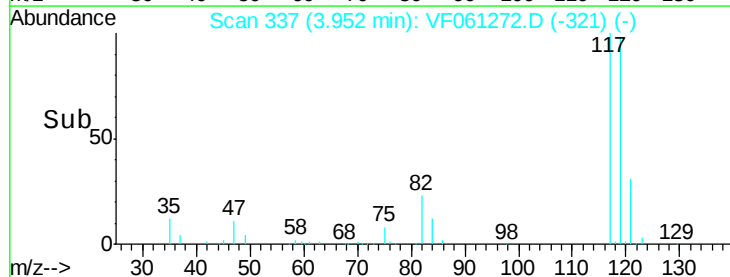
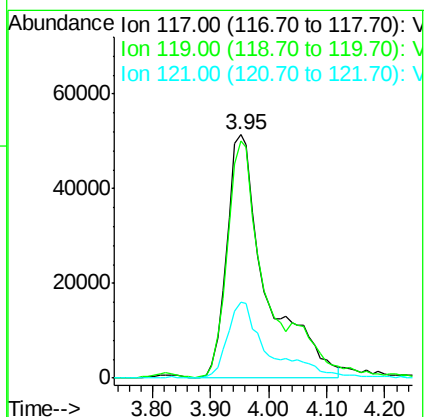
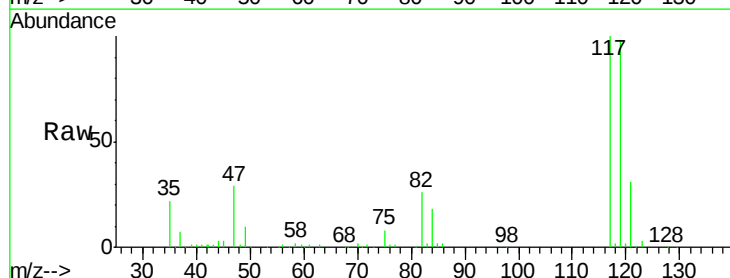
Tgt Ion: 117 Resp: 242723

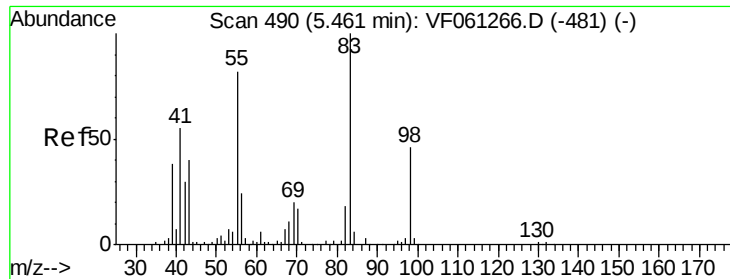
Ion Ratio Lower Upper

117 100

119 97.6 76.0 114.0

121 31.3 23.8 35.8

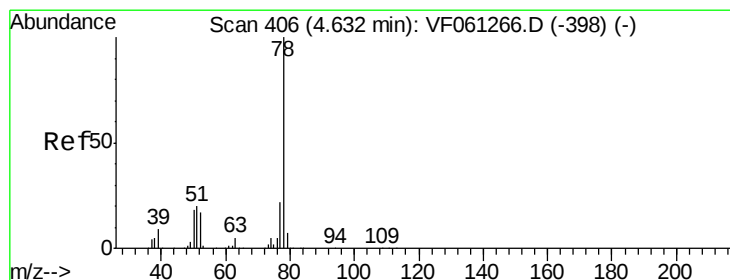
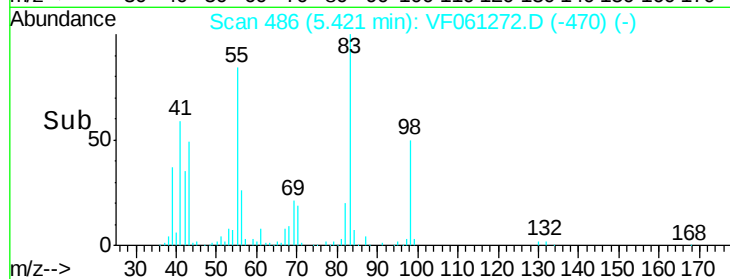
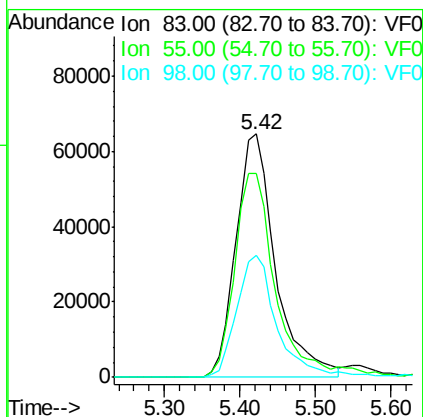
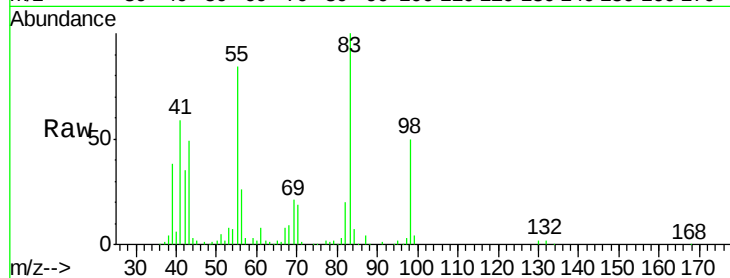




#39
Methvlcvclohexane
Concen: 46.667 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

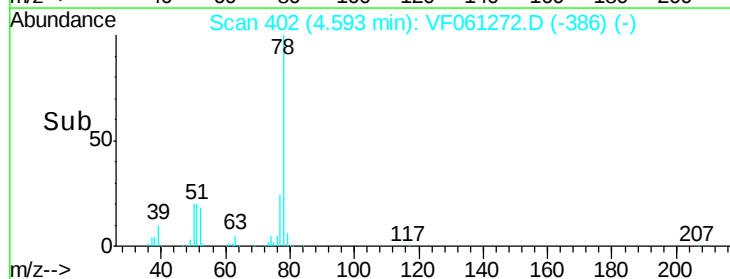
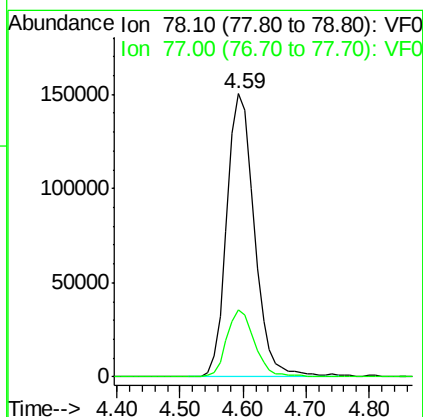
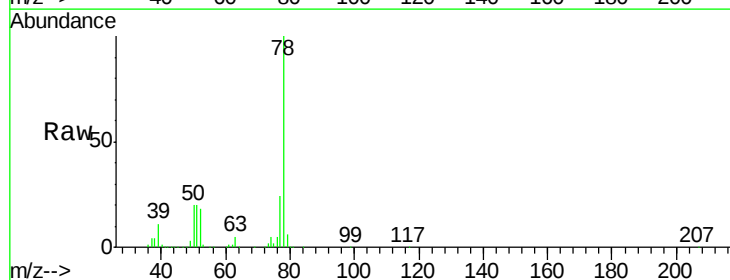
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

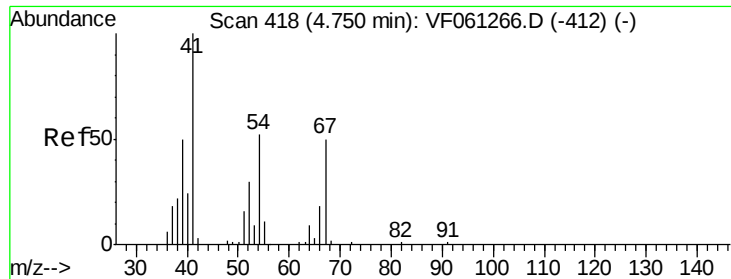
Tot Ion: 83 Resp: 235229
Ion Ratio Lower Upper
83 100
55 83.9 65.6 98.4
98 50.0 36.7 55.1



#40
Benzene
Concen: 42.778 ug/l
RT: 4.59 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 78 Resp: 457796
Ion Ratio Lower Upper
78 100
77 23.6 18.0 27.0

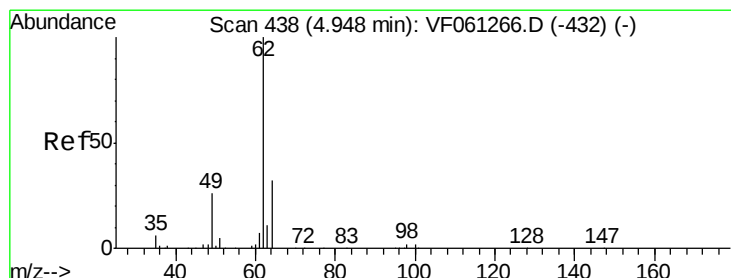
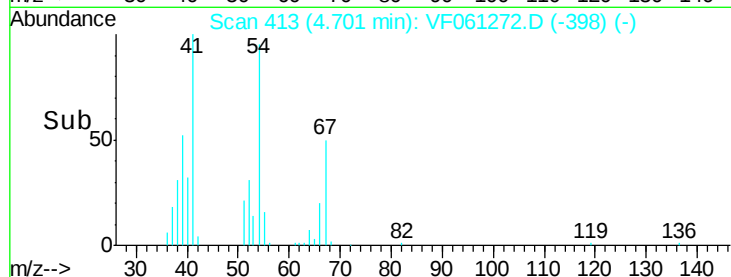
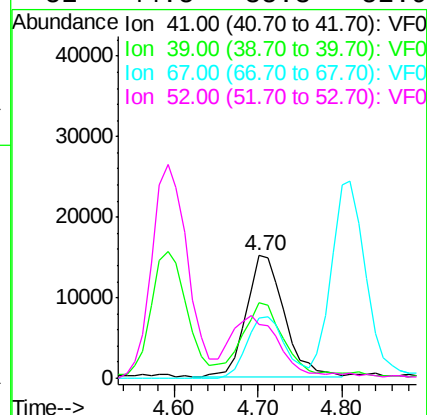
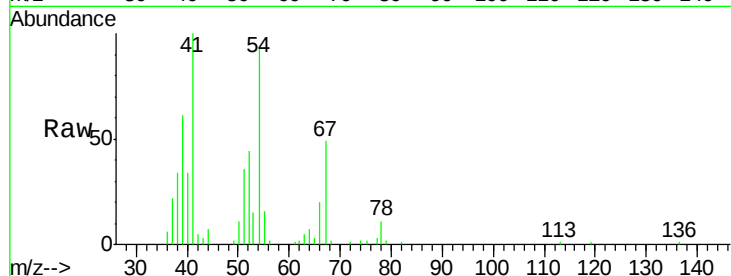




#41
Methacrylonitrile
Concen: 48.442 ug/l
RT: 4.70 min Scan# 413
Delta R.T. -0.05 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

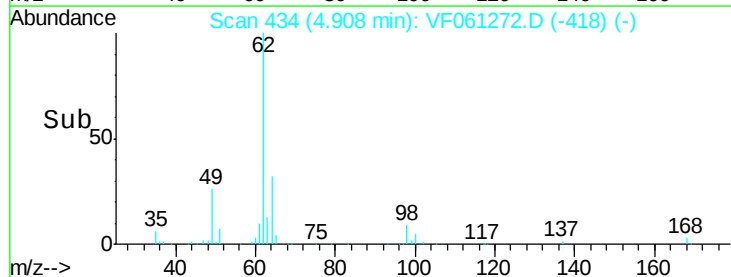
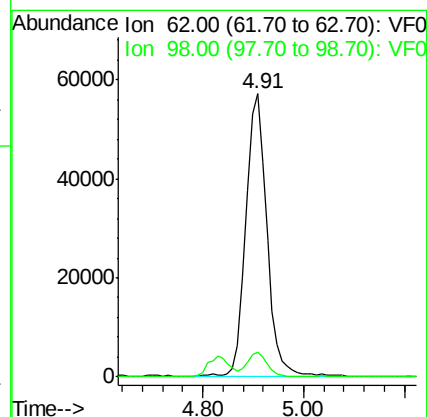
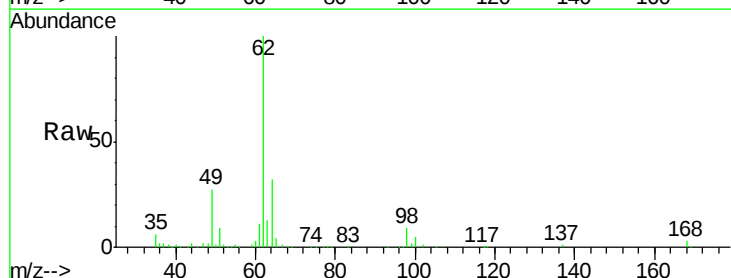
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

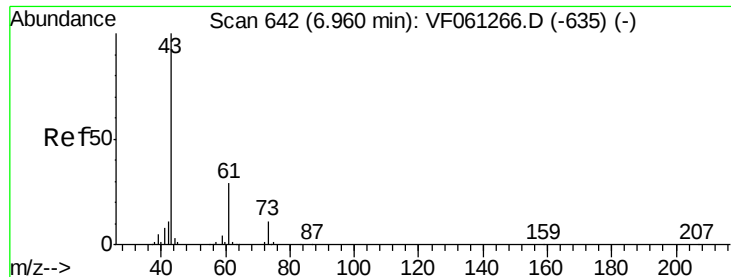
Tot Ion:	41	Resp:	47023
Ion	Ratio	Lower	Upper
41	100		
39	61.4	44.6	66.8
67	49.4	39.3	58.9
52	44.5	35.3	52.9



#42
1,2-Dichloroethane
Concen: 46.493 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion:	62	Resp:	166472
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	13.4



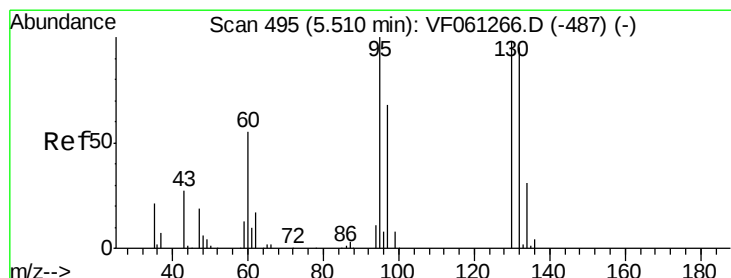
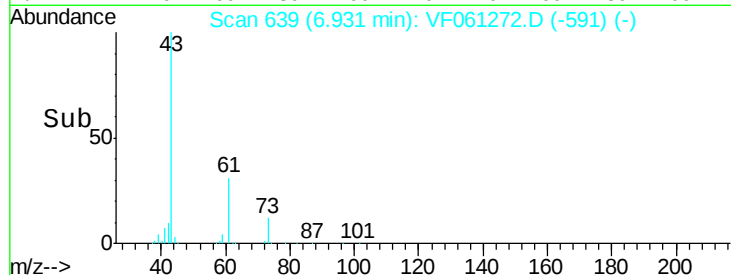
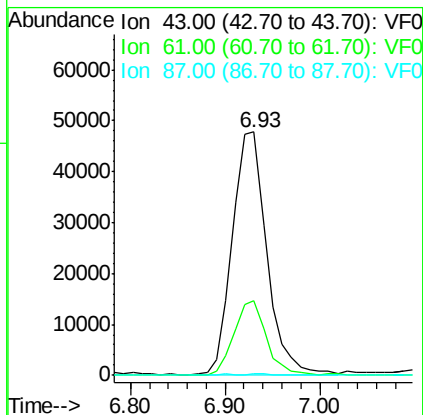
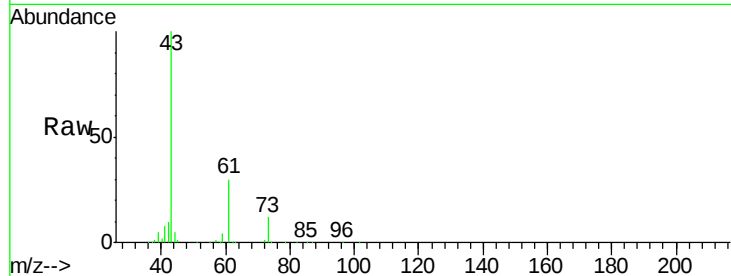


#43

Isopropyl Acetate
 Concen: 47.652 ug/l
 RT: 6.93 min Scan# 639
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

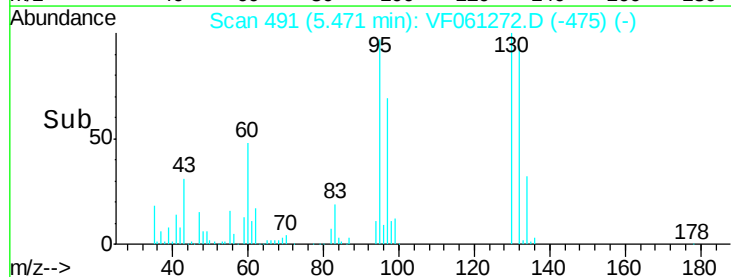
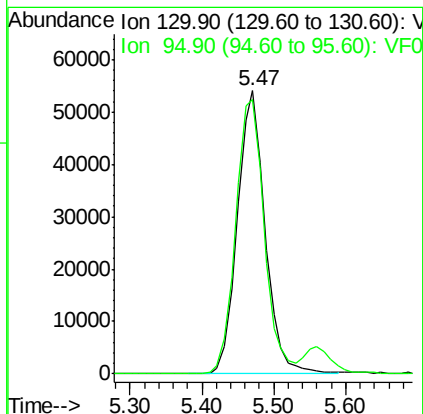
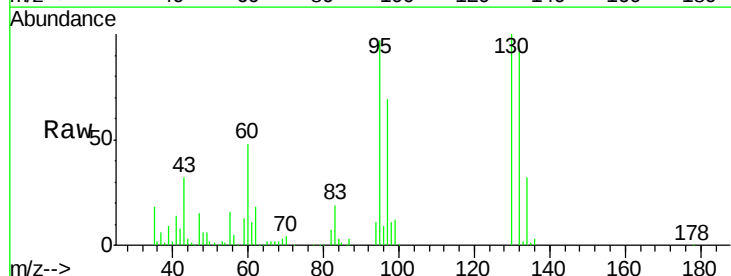
Tot Ion: 43 Resp: 119710
 Ion Ratio Lower Upper
 43 100
 61 30.5 23.4 35.2
 87 0.5 0.3 0.5

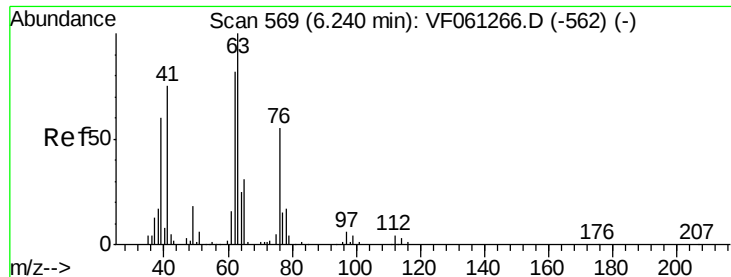


#44

Trichloroethene
 Concen: 43.622 ug/l
 RT: 5.47 min Scan# 491
 Delta R.T. -0.04 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion: 130 Resp: 145313
 Ion Ratio Lower Upper
 130 100
 95 97.2 0.0 204.0





#45

1,2-Dichloropropane

Concen: 47.188 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

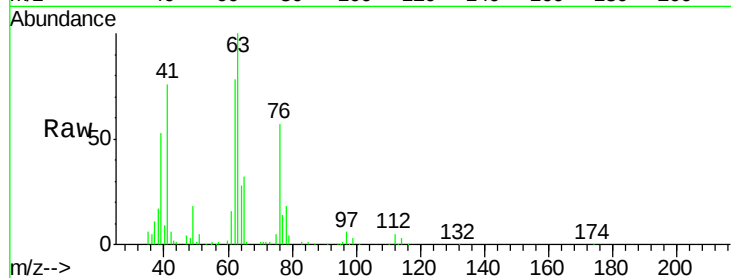
VSTDCCC050

Tot Ion: 63 Resp: 128927

Ion Ratio Lower Upper

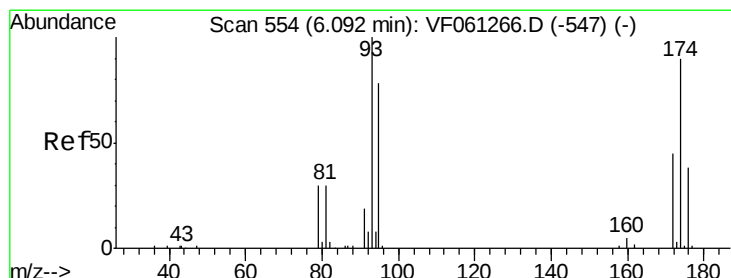
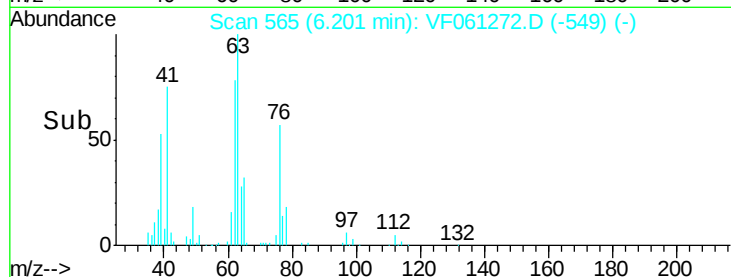
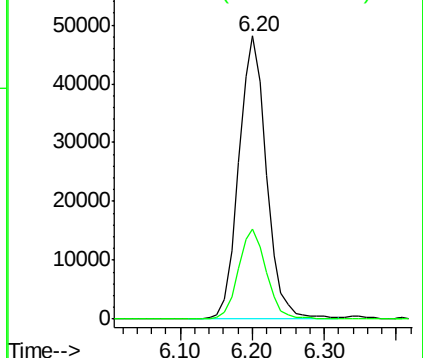
63 100

65 31.9 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 46.080 ug/l

RT: 6.05 min Scan# 550

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

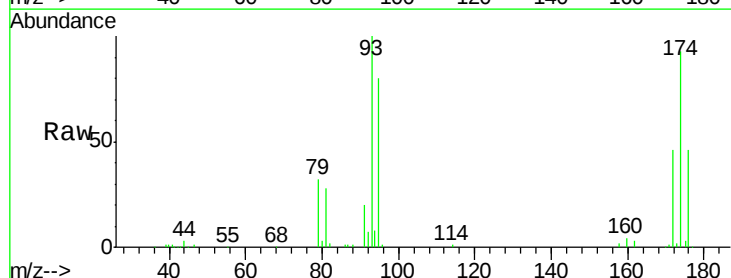
Tgt Ion: 93 Resp: 82844

Ion Ratio Lower Upper

93 100

95 80.2 62.4 93.6

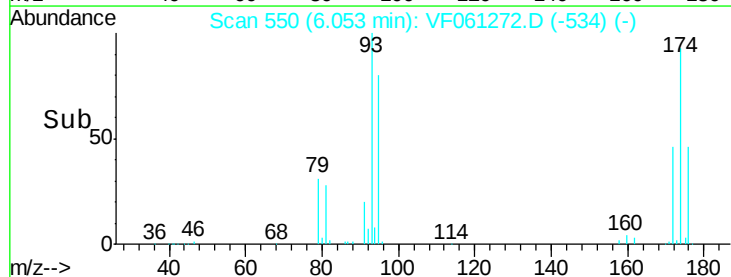
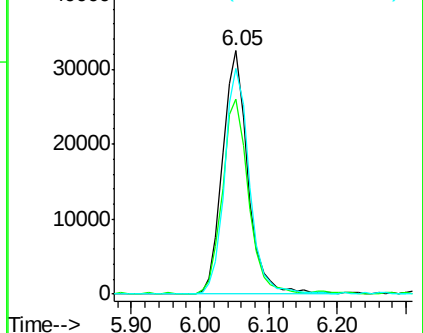
174 92.5 71.9 107.9

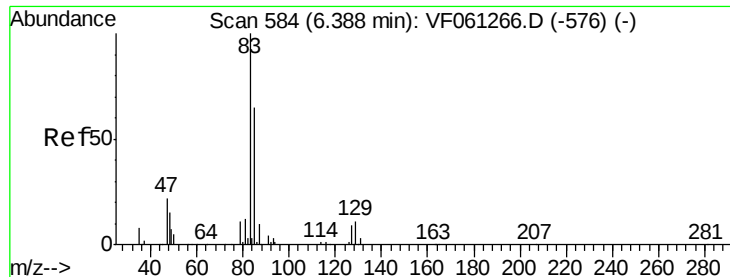


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 44.795 ug/l

RT: 6.35 min Scan# 580

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

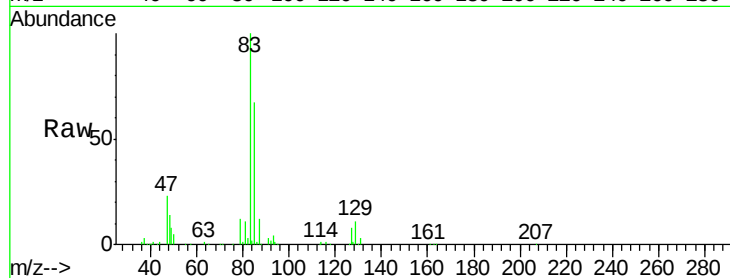
Tot Ion: 83 Resp: 205003

Ion Ratio Lower Upper

83 100

85 67.0 52.1 78.1

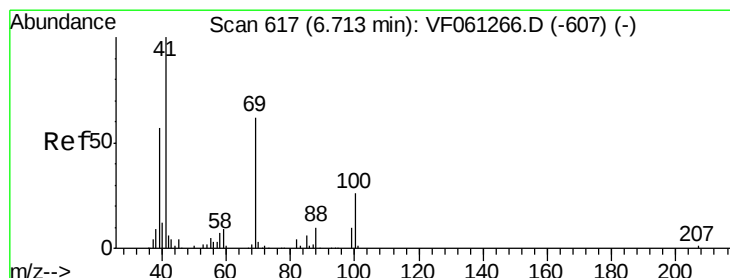
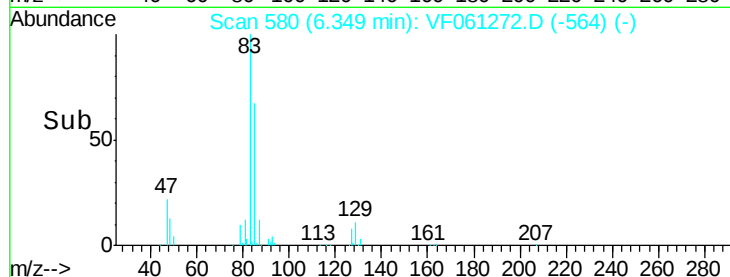
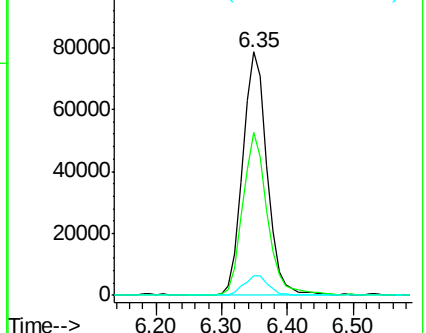
127 8.3 7.1 10.7



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: 45.596 ug/l

RT: 6.68 min Scan# 614

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

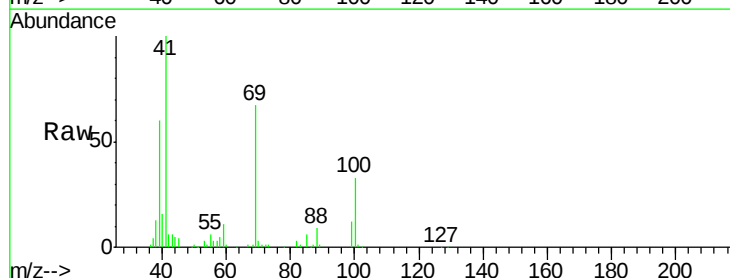
Tgt Ion: 41 Resp: 74171

Ion Ratio Lower Upper

41 100

69 66.9 49.8 74.8

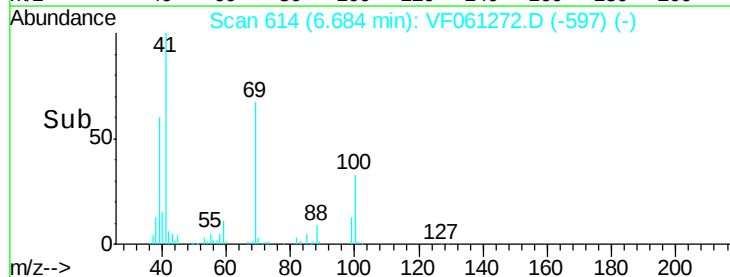
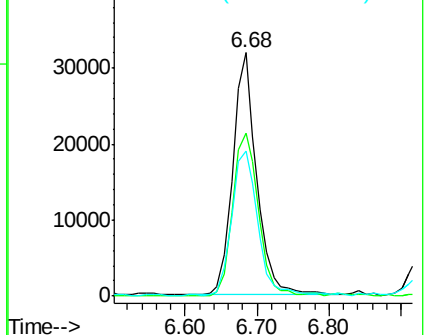
39 59.8 46.4 69.6

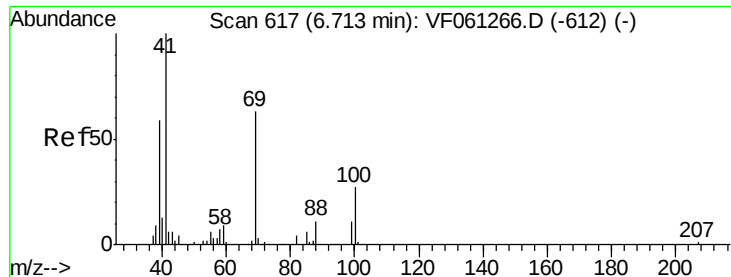


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 877.889 ug/l

RT: 6.67 min Scan# 613

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

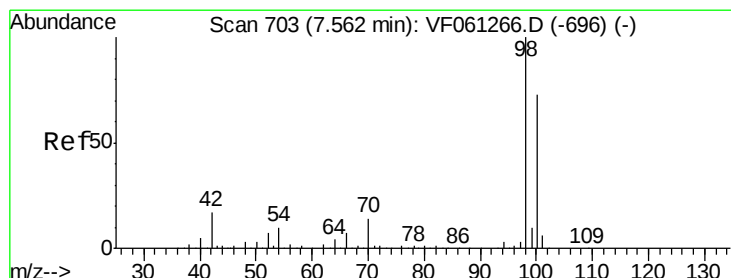
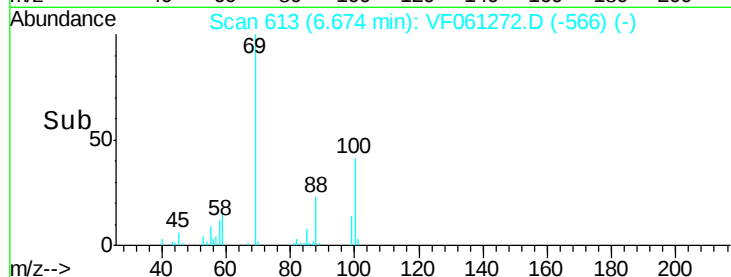
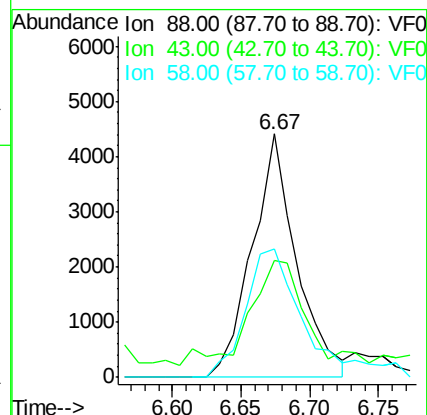
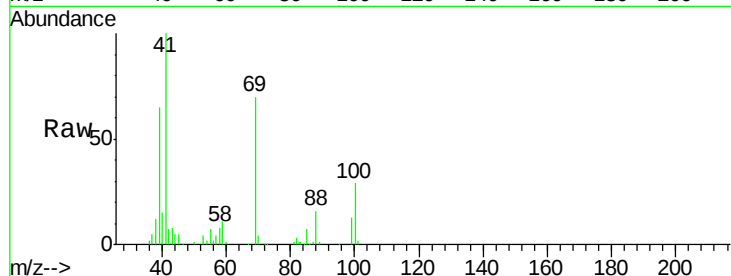
Tot Ion: 88 Resp: 9895

Ion Ratio Lower Upper

88 100

43 48.2 55.2 82.8#

58 52.5 50.9 76.3



#50

Toluene-d8

Concen: 50.791 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.04 min

Lab File: VF061272.D

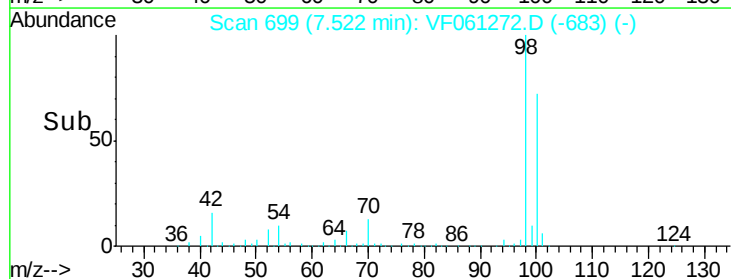
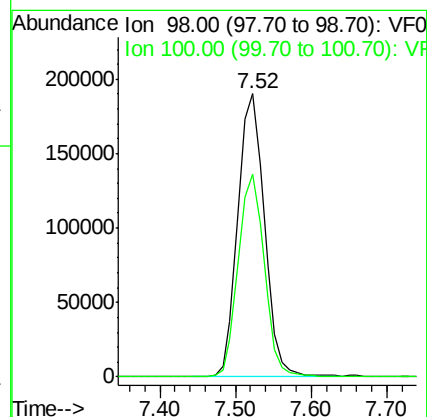
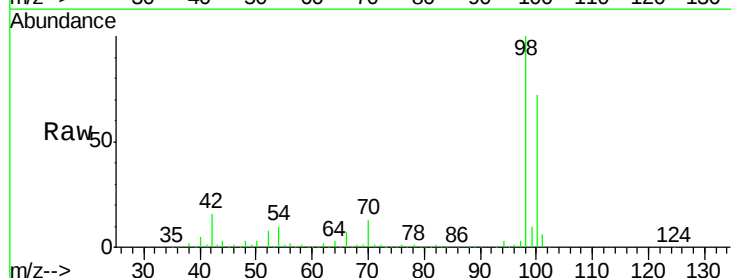
Acq: 7 Jan 2019 11:31

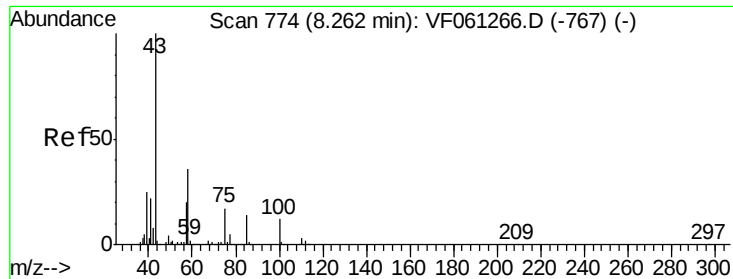
Tgt Ion: 98 Resp: 464275

Ion Ratio Lower Upper

98 100

100 71.7 58.1 87.1





#51

4-Methyl-2-Pentanone

Concen: 259.432 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

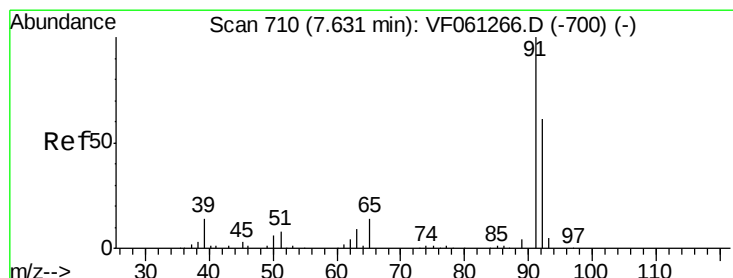
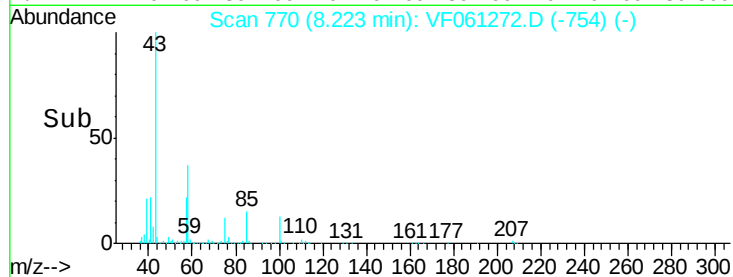
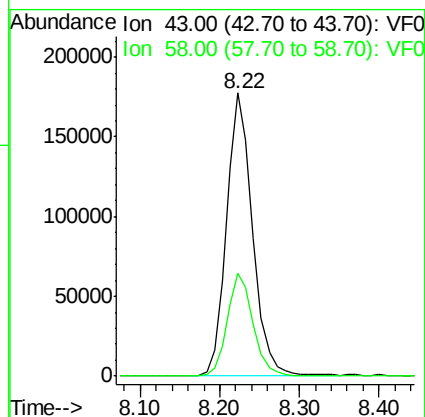
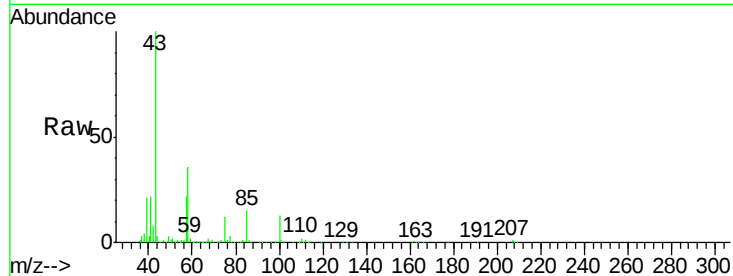
VSTDCCC050

Tot Ion: 43 Resp: 408910

Ion Ratio Lower Upper

43 100

58 36.5 29.1 43.7



#52

Toluene

Concen: 42.682 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.04 min

Lab File: VF061272.D

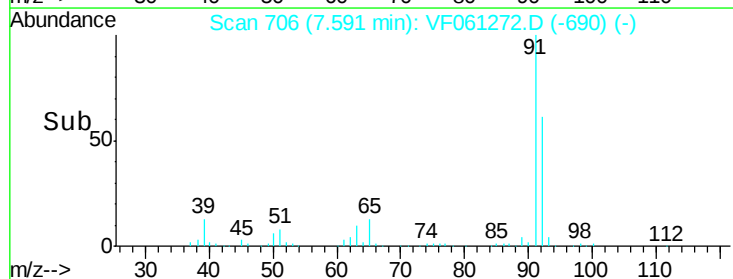
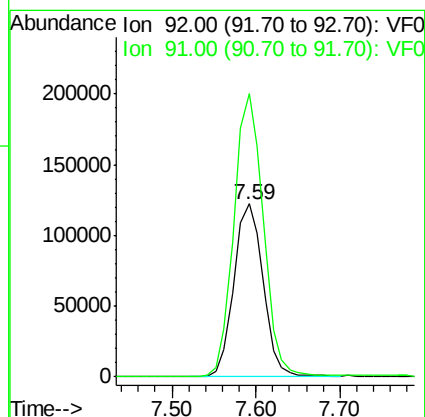
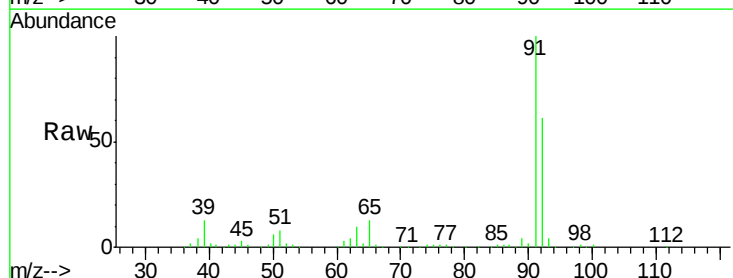
Acq: 7 Jan 2019 11:31

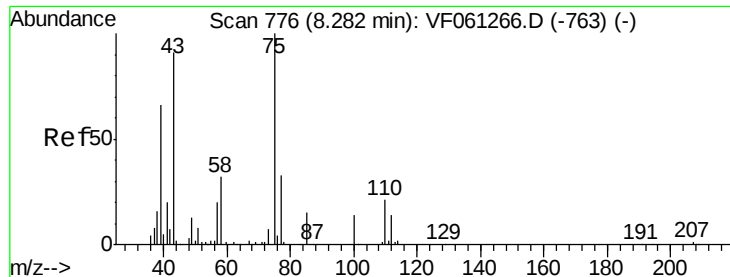
Tgt Ion: 92 Resp: 298251

Ion Ratio Lower Upper

92 100

91 163.4 130.5 195.7





#53

t-1,3-Dichloropropene

Concen: 44.438 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

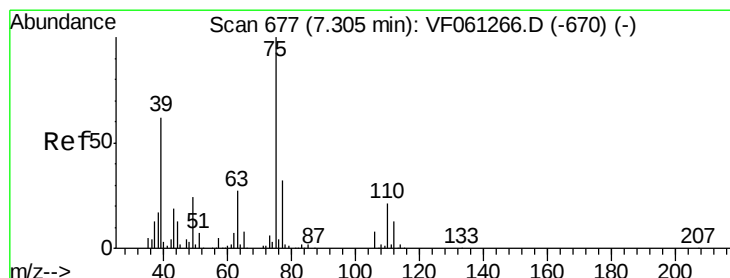
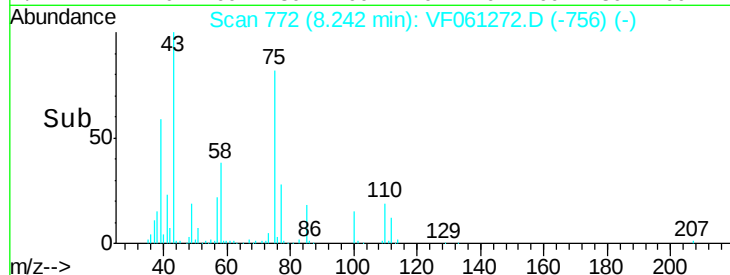
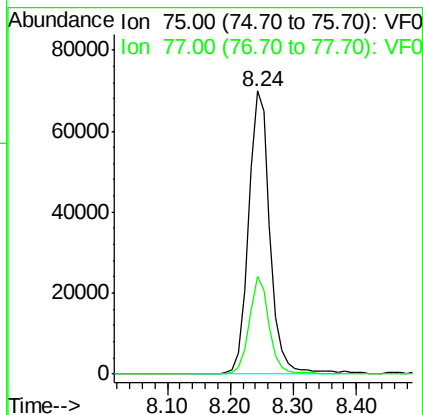
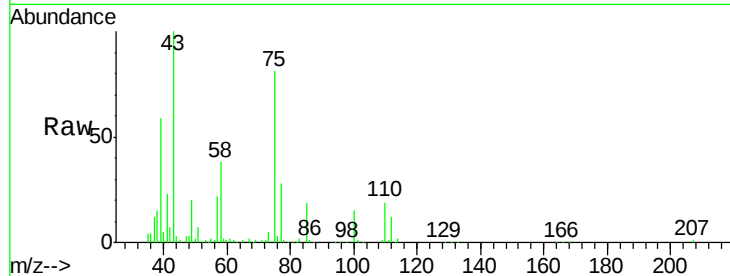
VSTDCCC050

Tot Ion: 75 Resp: 165786

Ion Ratio Lower Upper

75 100

77 34.5 26.8 40.2



#54

cis-1,3-Dichloropropene

Concen: 46.186 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

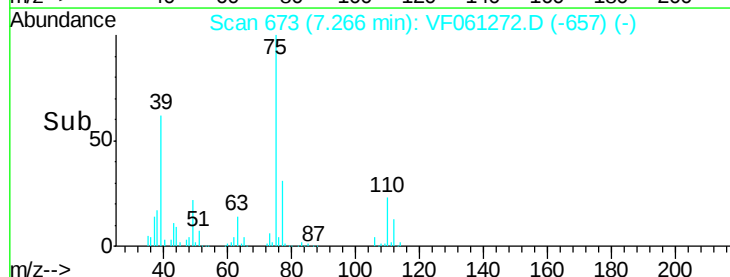
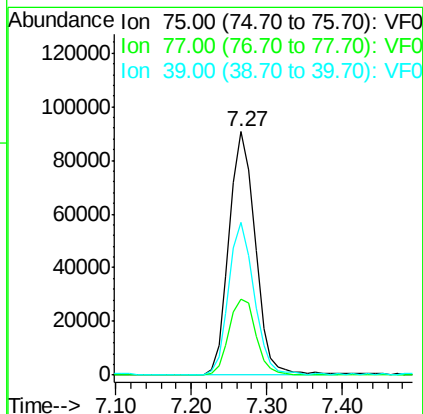
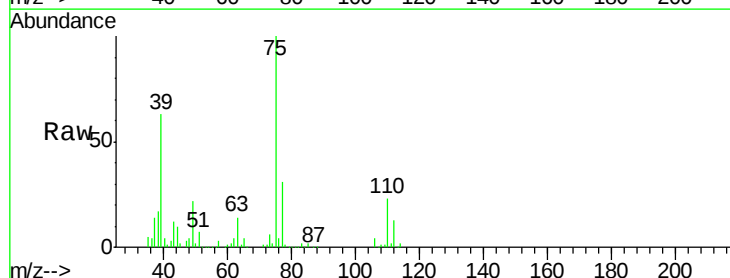
Tgt Ion: 75 Resp: 218998

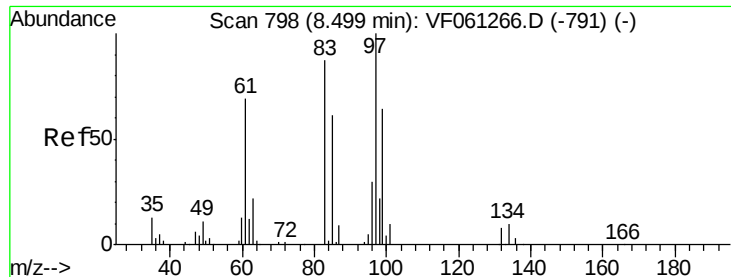
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

39 62.8 49.5 74.3





#55

1,1,2-Trichloroethane

Concen: 46.636 ug/l

RT: 8.46 min Scan# 794

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 93717

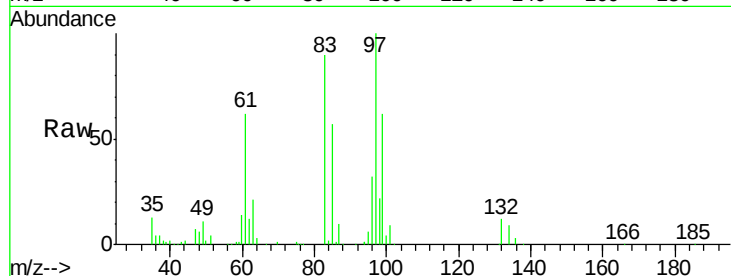
Ion Ratio Lower Upper

97 100

83 90.1 69.7 104.5

85 56.8 49.1 73.7

99 61.6 51.3 76.9

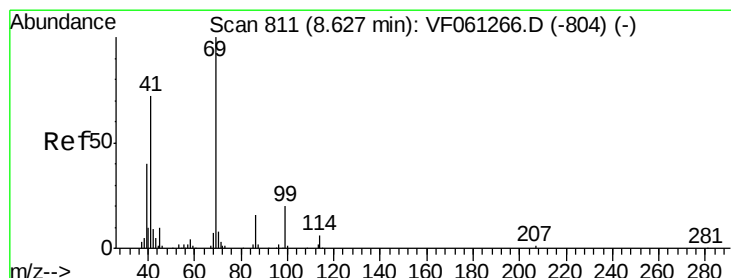
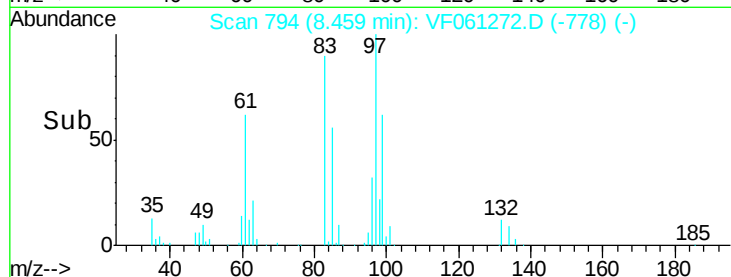
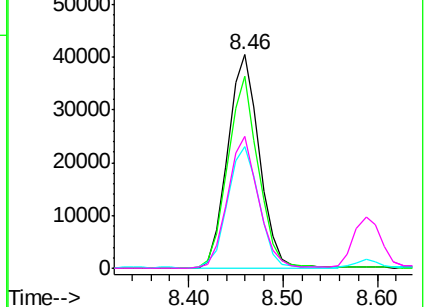


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.918 ug/l

RT: 8.59 min Scan# 807

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

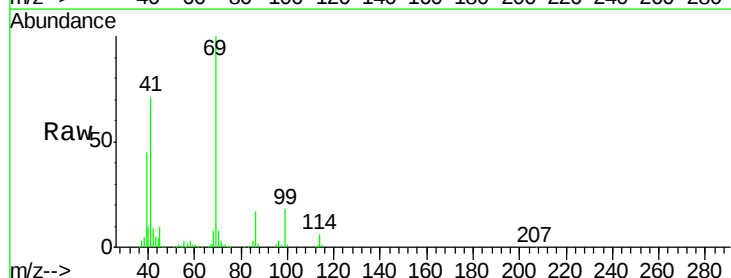
Tgt Ion: 69 Resp: 110861

Ion Ratio Lower Upper

69 100

41 71.1 58.1 87.1

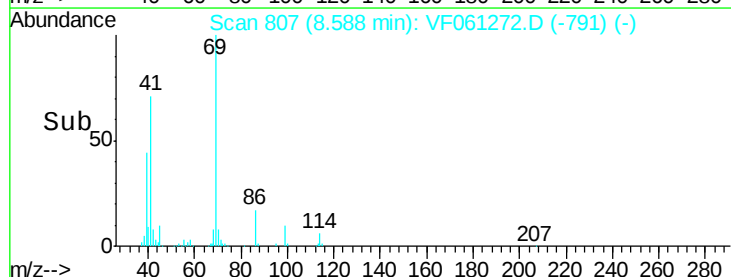
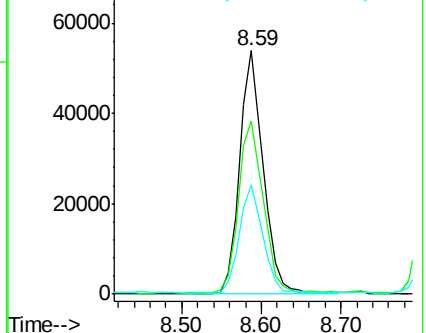
39 44.7 32.6 49.0

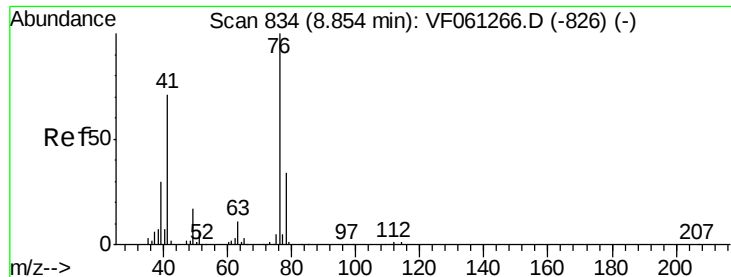


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 40.755 ug/l

RT: 8.81 min Scan# 830

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

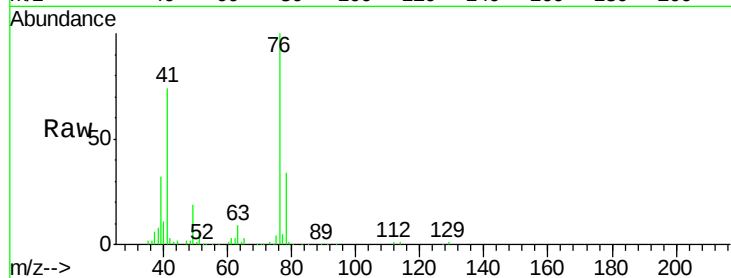
VSTDCCC050

Tot Ion: 76 Resp: 153953

Ion Ratio Lower Upper

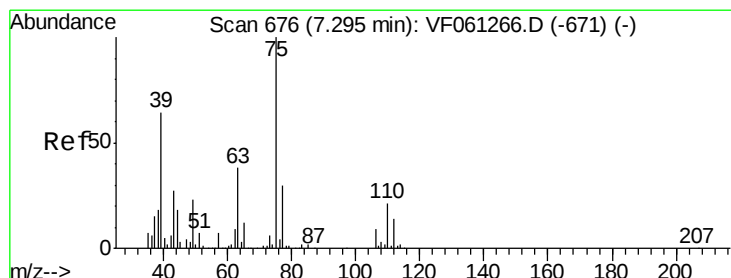
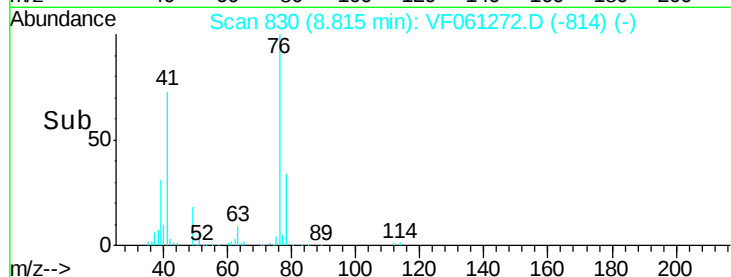
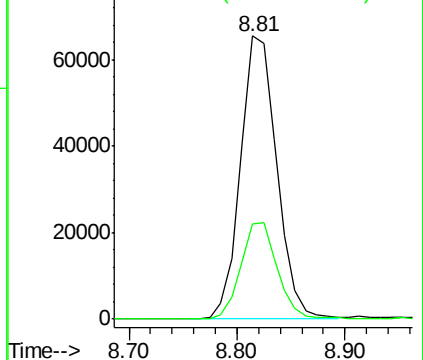
76 100

78 33.8 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 116.044 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.03 min

Lab File: VF061272.D

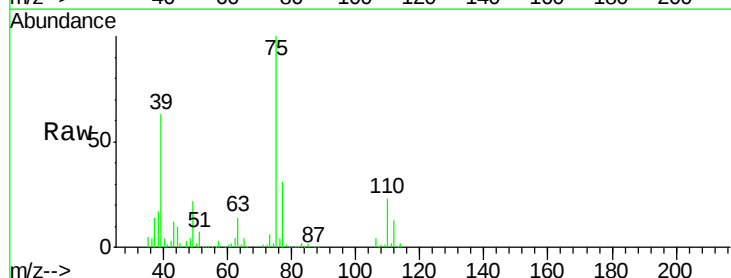
Acq: 7 Jan 2019 11:31

Tgt Ion: 63 Resp: 31297

Ion Ratio Lower Upper

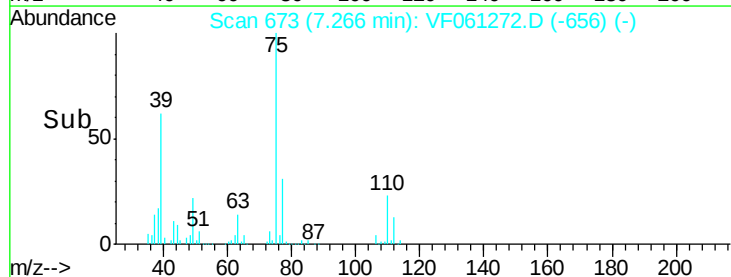
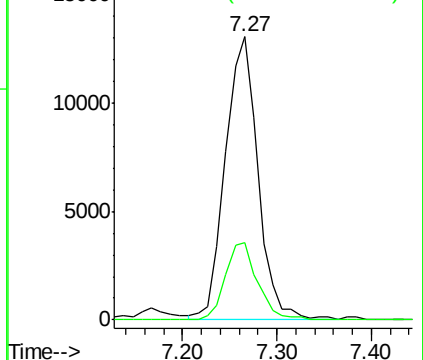
63 100

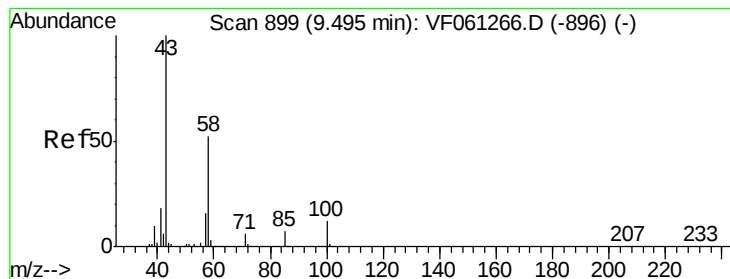
106 27.5 19.2 28.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 247.938 ug/l

RT: 9.46 min Scan# 895

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

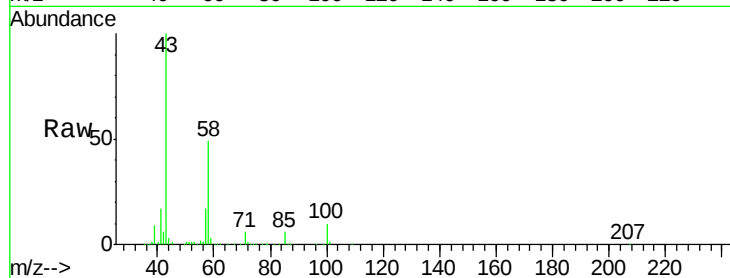
VSTDCCC050

Tot Ion: 43 Resp: 313184

Ion Ratio Lower Upper

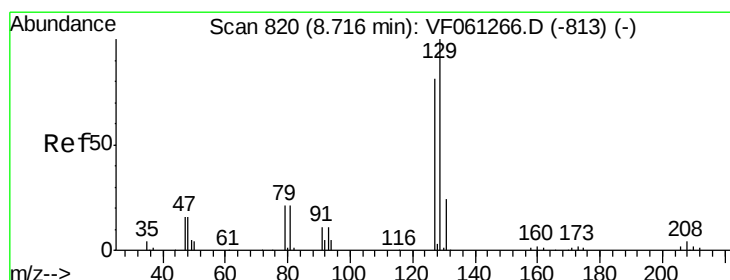
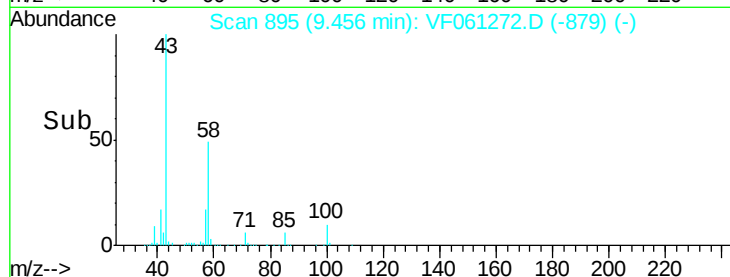
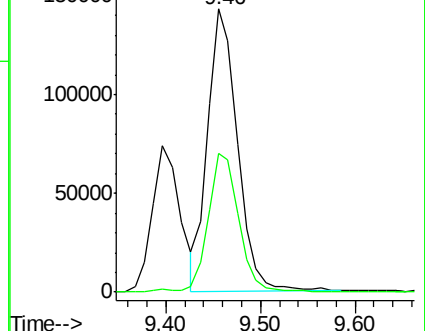
43 100

58 49.1 24.4 73.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#60

Dibromochloromethane

Concen: 47.708 ug/l

RT: 8.69 min Scan# 817

Delta R.T. -0.03 min

Lab File: VF061272.D

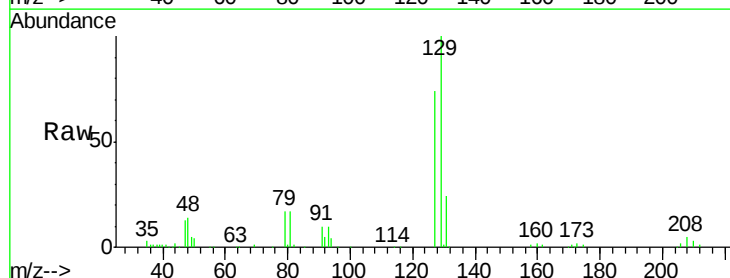
Acq: 7 Jan 2019 11:31

Tgt Ion: 129 Resp: 136178

Ion Ratio Lower Upper

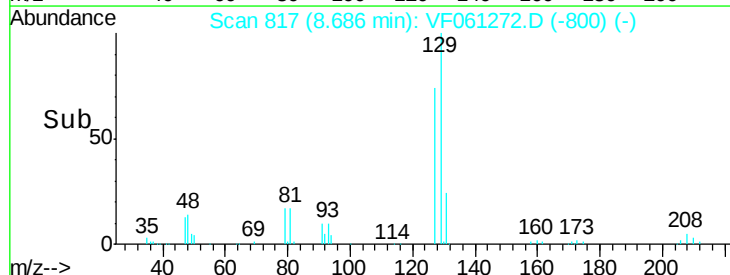
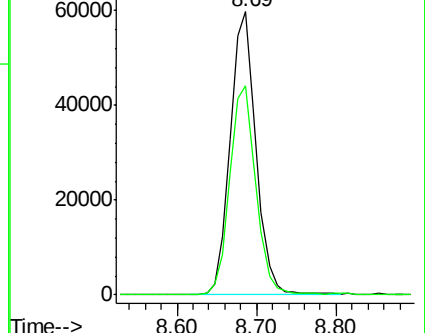
129 100

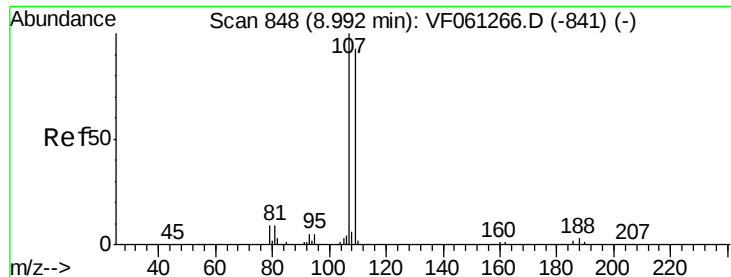
127 74.1 40.7 122.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#61

1,2-Dibromoethane

Concen: 42.944 ug/l

RT: 8.95 min Scan# 844

Delta R.T. -0.04 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

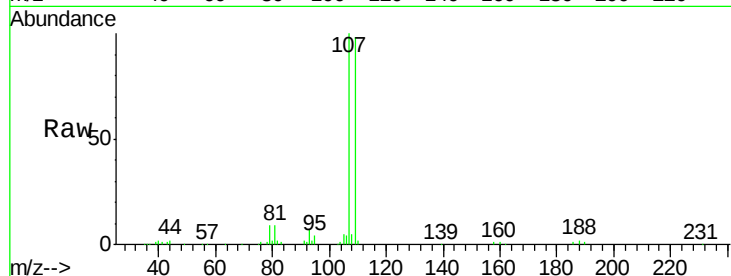
VSTDCCC050

Tot Ion:107 Resp: 93136

Ion Ratio Lower Upper

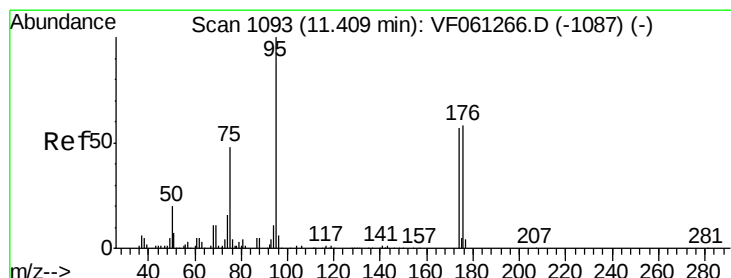
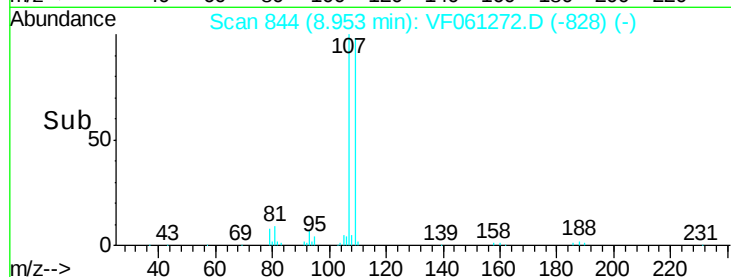
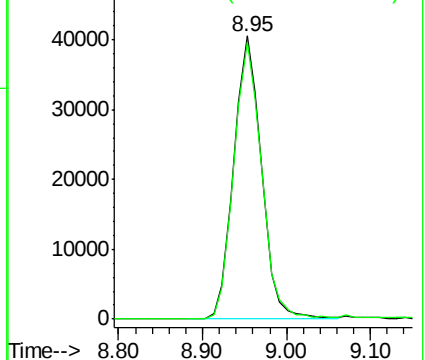
107 100

109 97.8 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 48.702 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

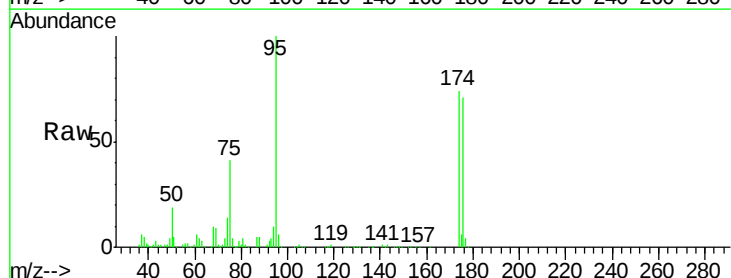
Tgt Ion: 95 Resp: 197254

Ion Ratio Lower Upper

95 100

174 73.9 0.0 113.2

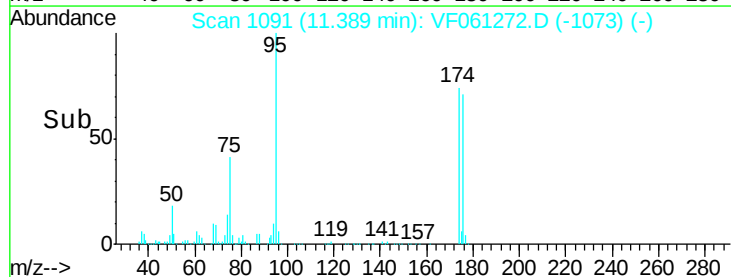
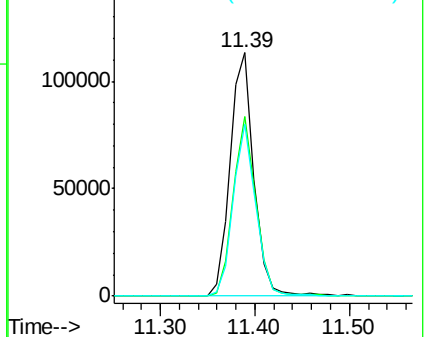
176 70.7 0.0 115.6

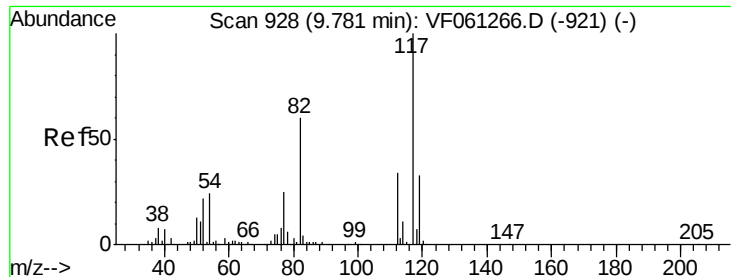


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

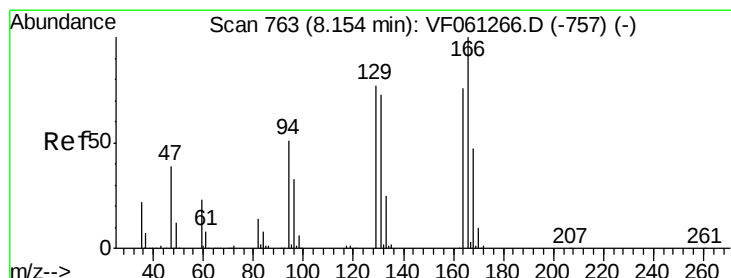
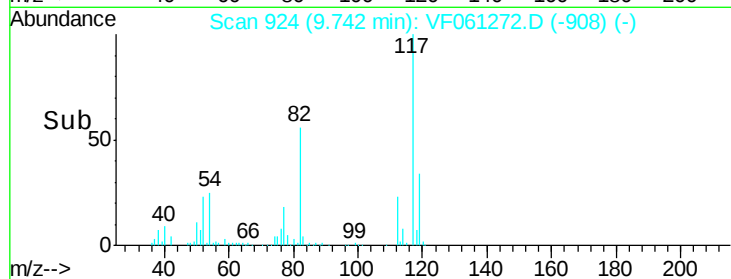
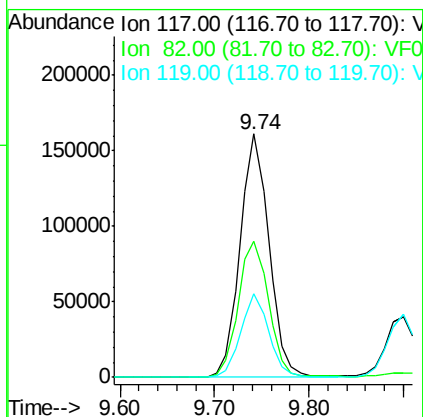
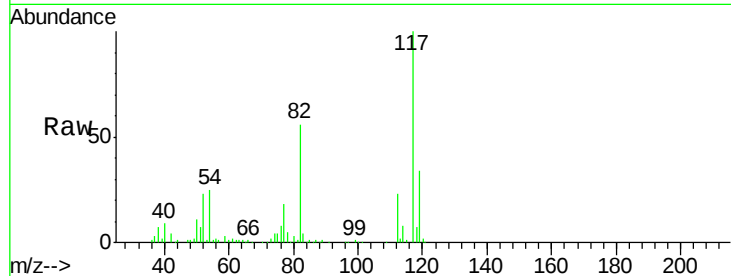




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 924
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

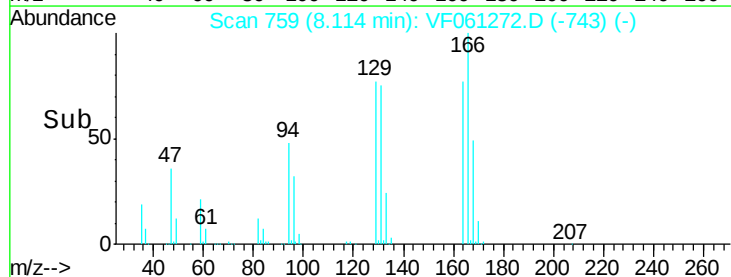
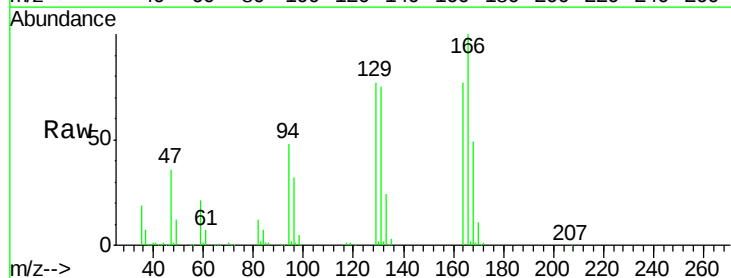
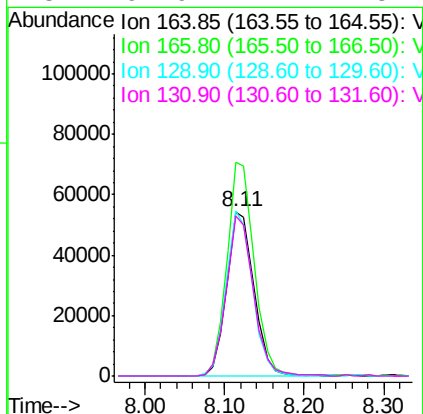
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

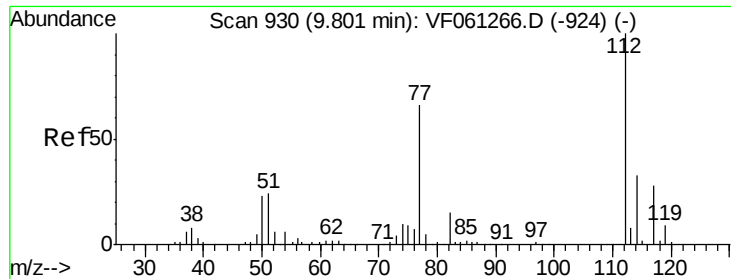
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.8	71.6
119	34.2	26.1	39.1



#64
Tetrachloroethene
Concen: 49.780 ug/l
RT: 8.11 min Scan# 759
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	105.1	157.7
129	100.6	81.0	121.6
131	97.9	77.1	115.7

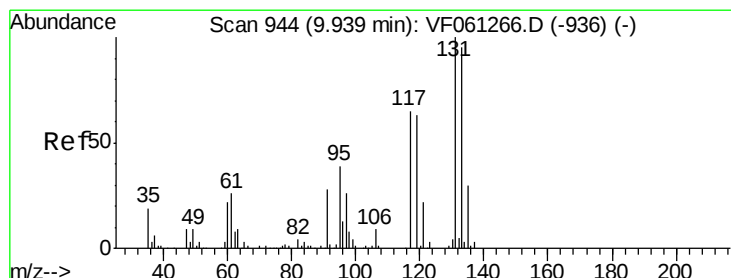
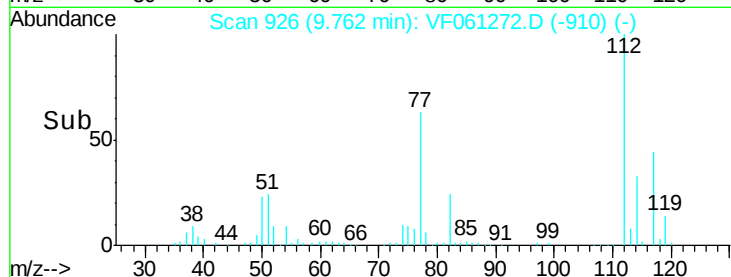
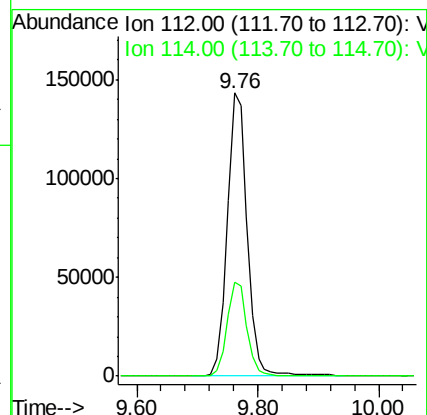
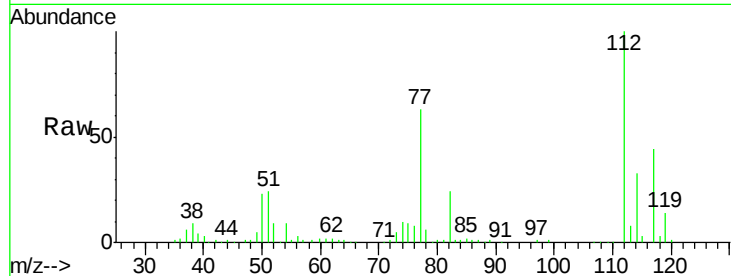




#65
Chlorobenzene
Concen: 46.692 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

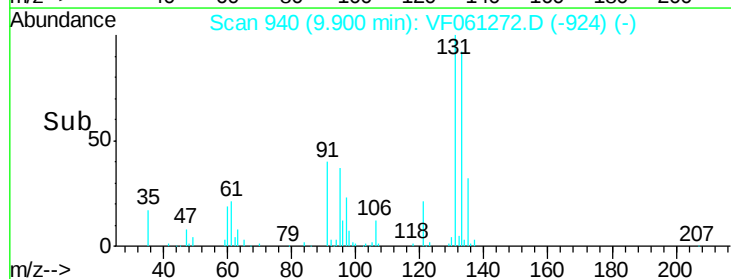
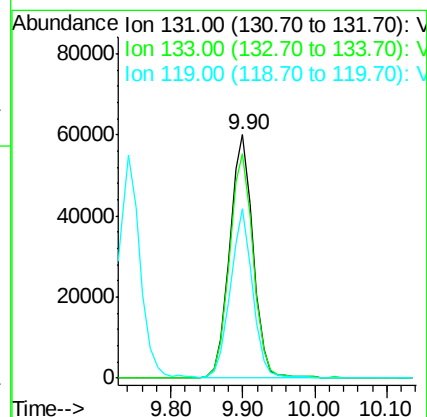
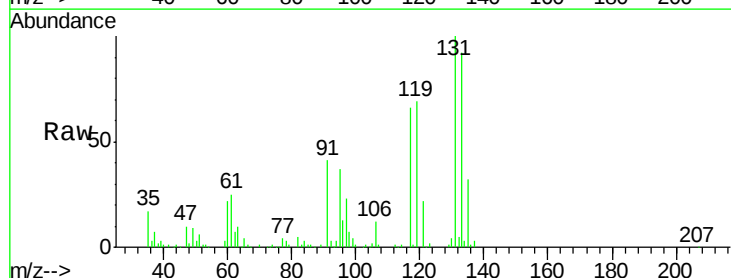
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

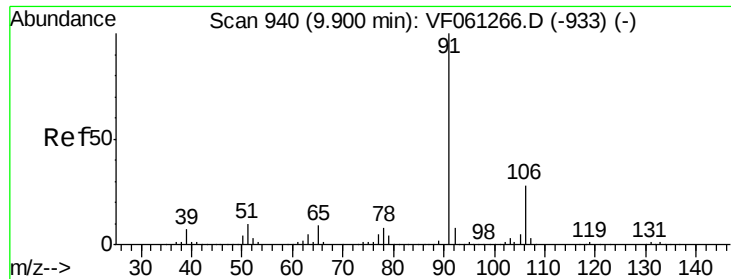
Tot Ion:112 Resp: 326891
Ion Ratio Lower Upper
112 100
114 33.4 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 47.022 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion:131 Resp: 135194
Ion Ratio Lower Upper
131 100
133 92.4 47.5 142.5
119 69.3 32.2 96.6

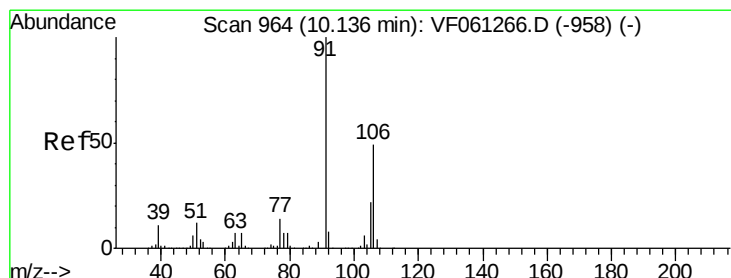
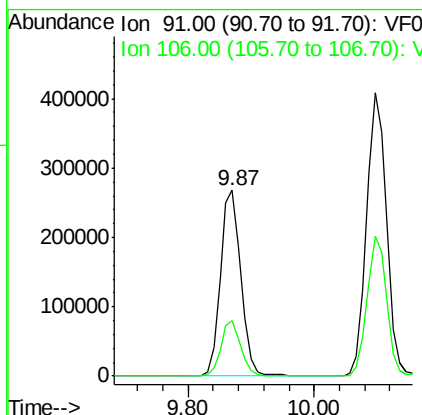
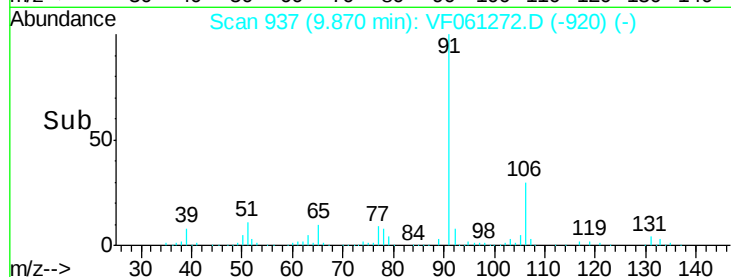
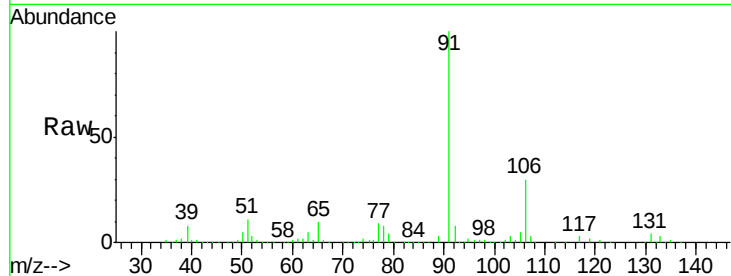




#67
Ethyl Benzene
Concen: 47.420 ug/l
RT: 9.87 min Scan# 937
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

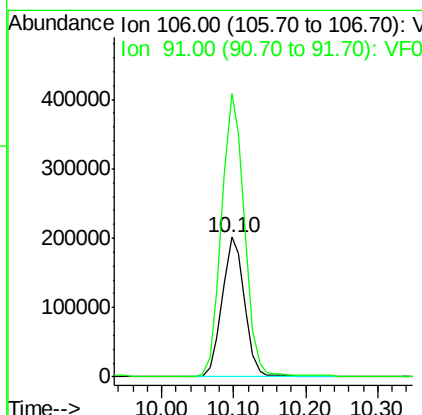
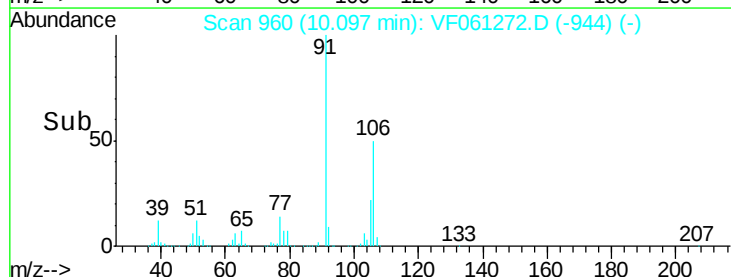
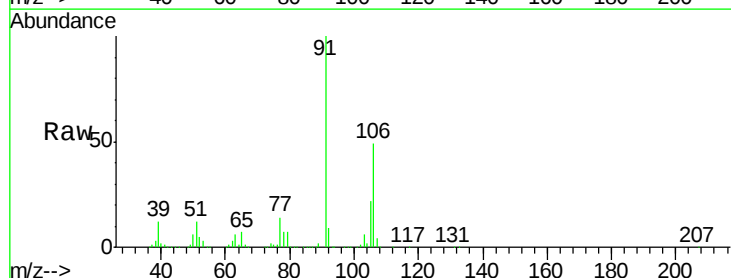
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

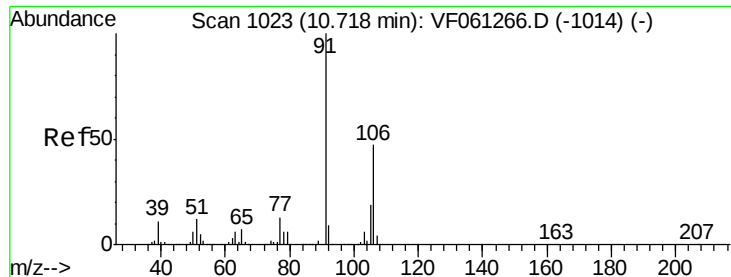
Tot Ion: 91 Resp: 610286
Ion Ratio Lower Upper
91 100
106 30.1 22.8 34.2



#68
m/p-Xylenes
Concen: 92.535 ug/l
RT: 10.10 min Scan# 960
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion: 106 Resp: 434612
Ion Ratio Lower Upper
106 100
91 202.5 164.8 247.2

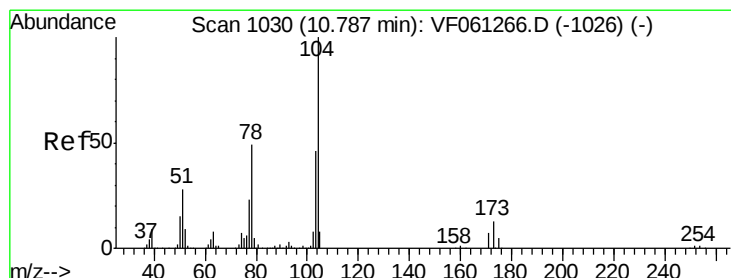
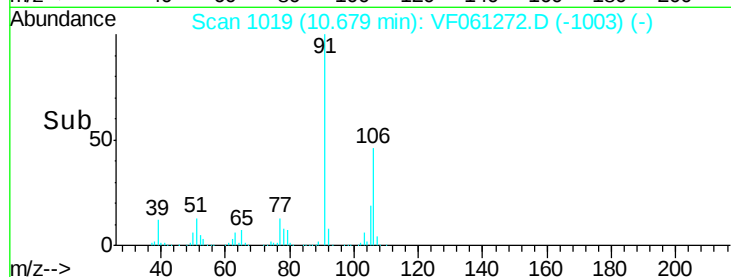
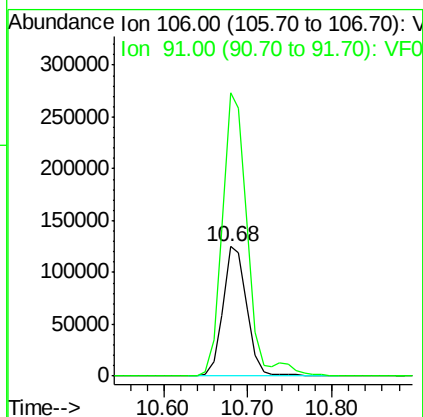
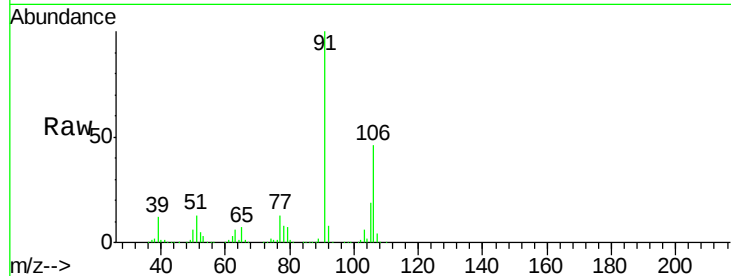




#69
o-Xylene
Concen: 48.706 ug/l
RT: 10.68 min Scan# 1019
Delta R.T. -0.04 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

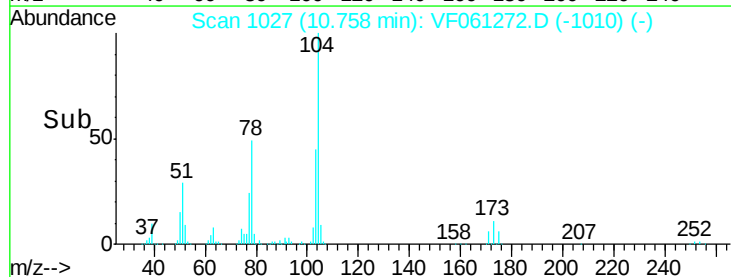
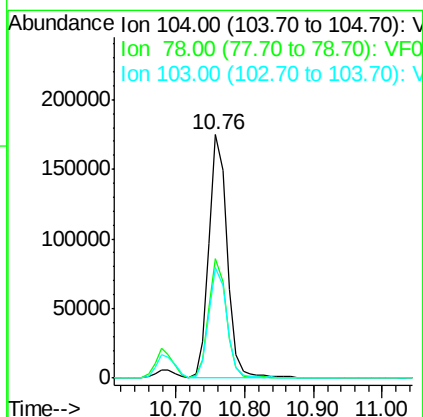
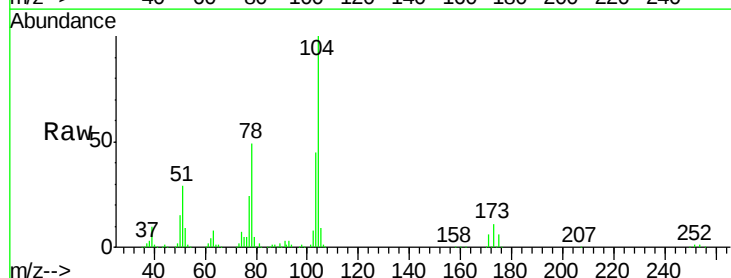
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

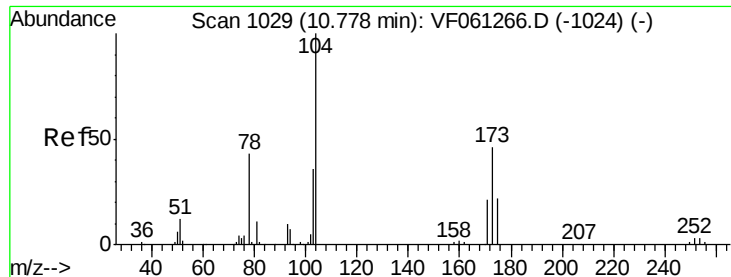
Tot Ion:106 Resp: 247464
Ion Ratio Lower Upper
106 100
91 218.7 106.2 318.5



#70
Styrene
Concen: 46.221 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.03 min
Lab File: VF061272.D
Acq: 7 Jan 2019 11:31

Tgt Ion:104 Resp: 323281
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 45.3 37.3 55.9





#71

Bromoform

Concen: 51.354 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

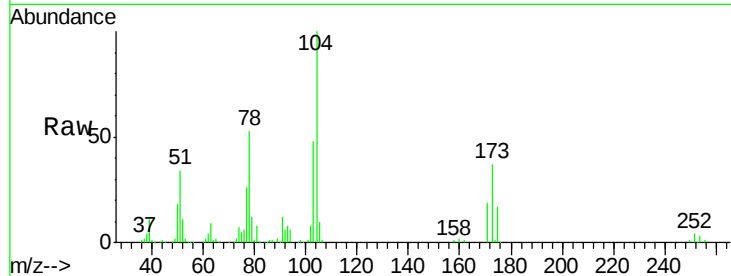
Tot Ion:173 Resp: 68739

Ion Ratio Lower Upper

173 100

175 47.0 24.6 73.6

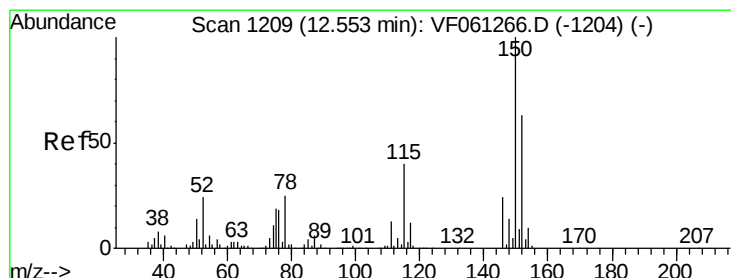
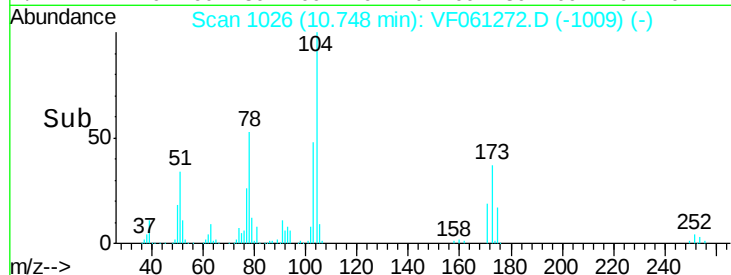
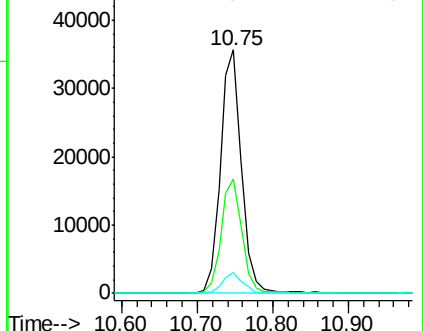
254 8.5 5.3 7.9#



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: 12.53 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

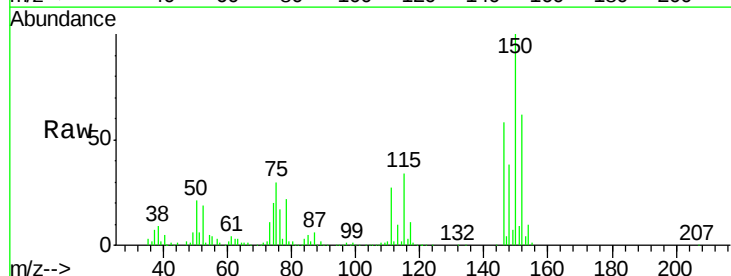
Tgt Ion:152 Resp: 175329

Ion Ratio Lower Upper

152 100

115 55.6 31.6 94.7

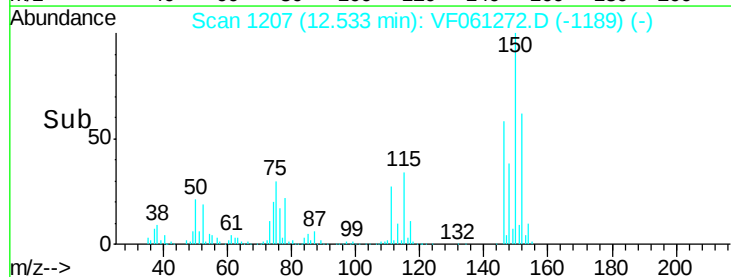
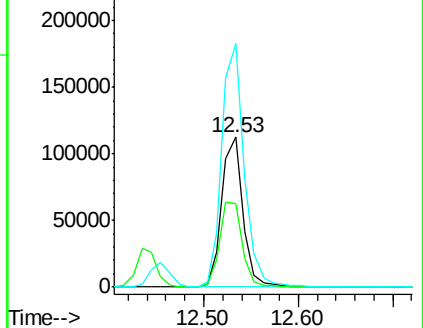
150 162.2 0.0 320.2

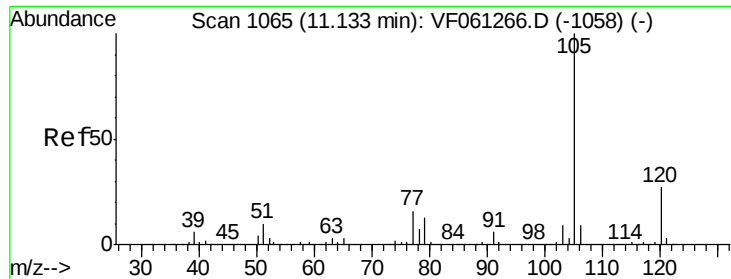


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 47.600 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

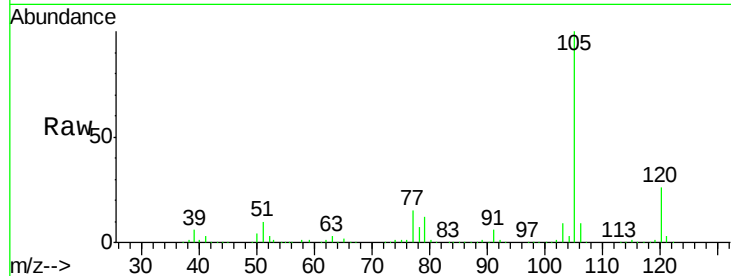
VSTDCCC050

Tot Ion:105 Resp: 708916

Ion Ratio Lower Upper

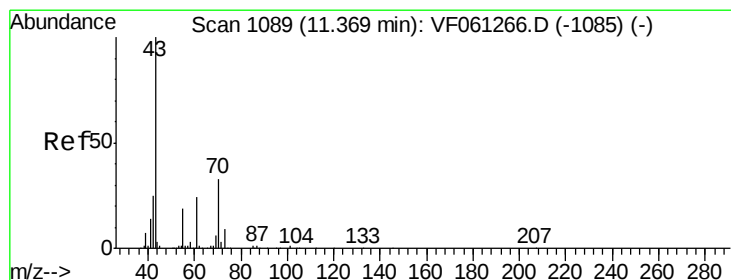
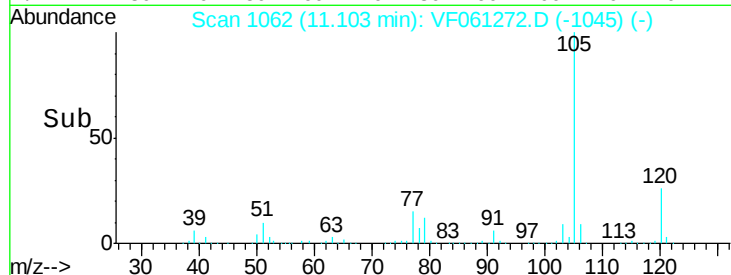
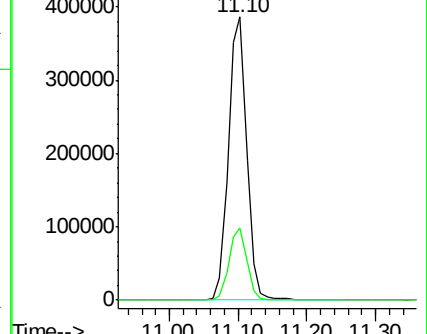
105 100

120 25.6 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: 50.679 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Tgt Ion: 43 Resp: 190557

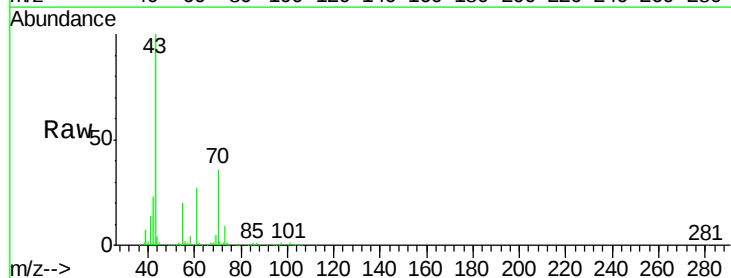
Ion Ratio Lower Upper

43 100

70 36.3 26.7 40.1

55 20.4 15.4 23.0

61 26.7 19.4 29.0

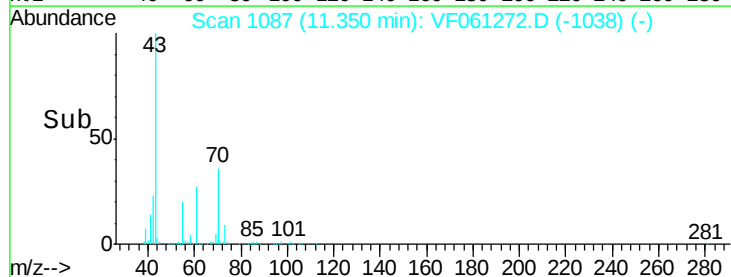
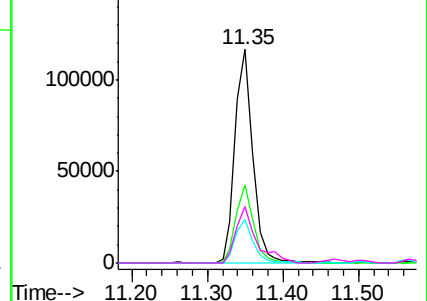


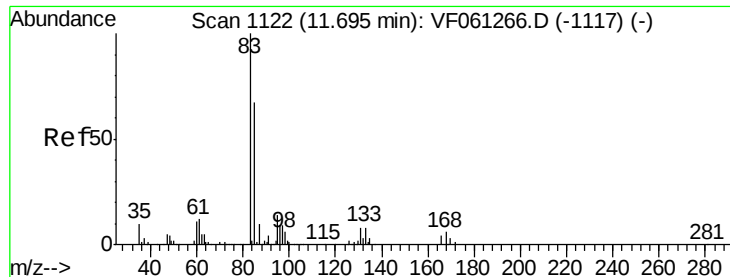
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 47.043 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

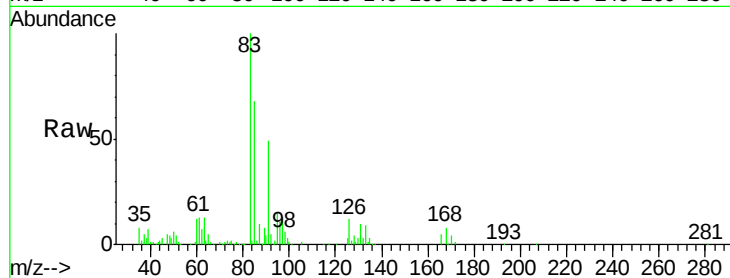
Tot Ion: 83 Resp: 122378

Ion Ratio Lower Upper

83 100

131 9.9 4.0 12.0

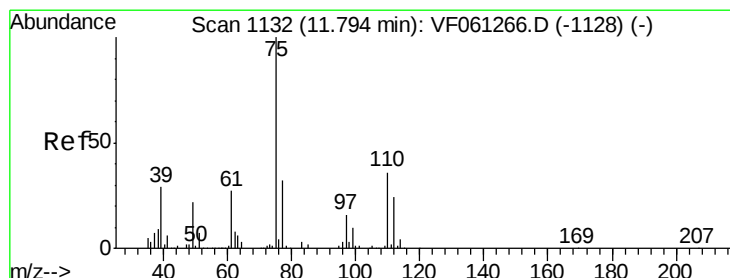
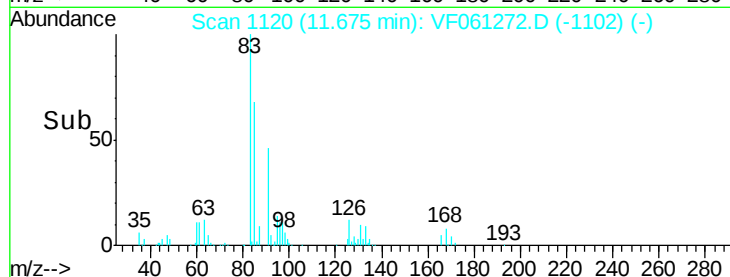
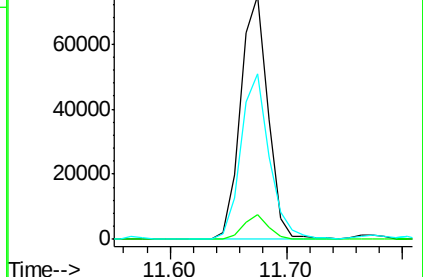
85 67.8 33.6 100.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 46.633 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.02 min

Lab File: VF061272.D

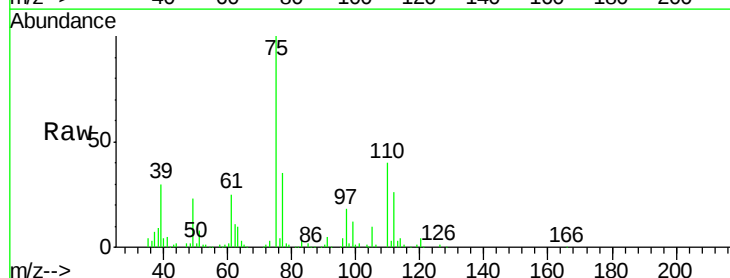
Acq: 7 Jan 2019 11:31

Tgt Ion: 75 Resp: 90056

Ion Ratio Lower Upper

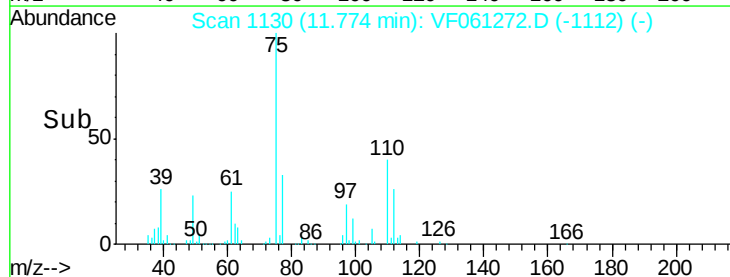
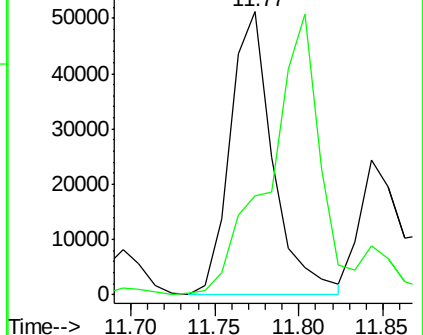
75 100

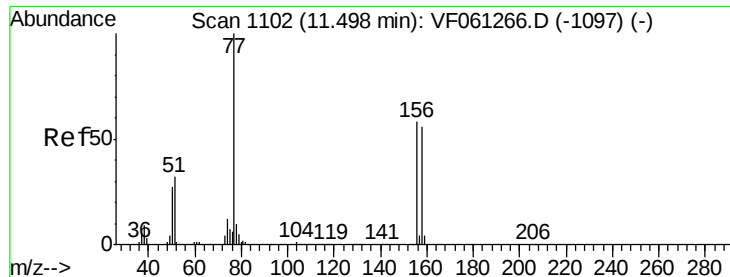
77 35.1 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 48.851 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

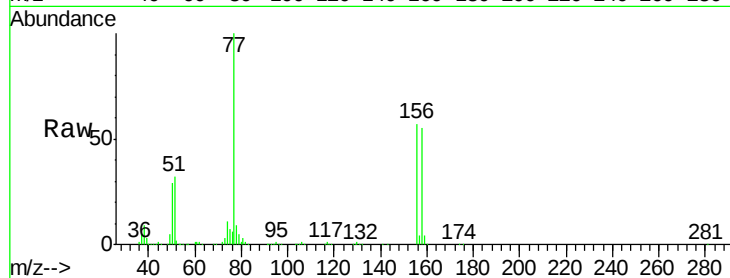
Tot Ion:156 Resp: 152733

Ion Ratio Lower Upper

156 100

77 174.9 85.8 257.3

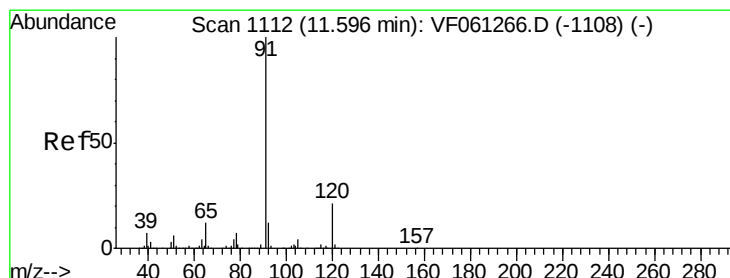
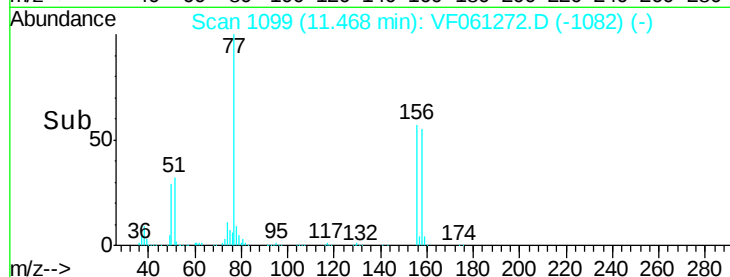
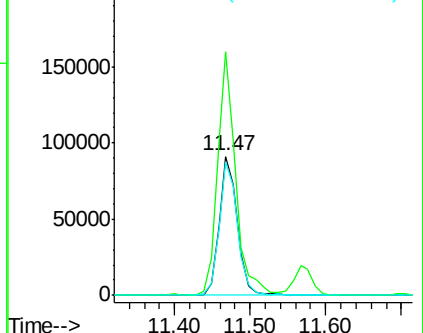
158 96.0 47.6 142.8



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: 45.801 ug/l

RT: 11.57 min Scan# 1109

Delta R.T. -0.03 min

Lab File: VF061272.D

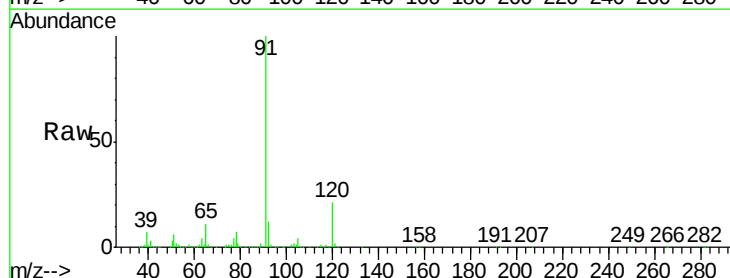
Acq: 7 Jan 2019 11:31

Tgt Ion: 91 Resp: 813055

Ion Ratio Lower Upper

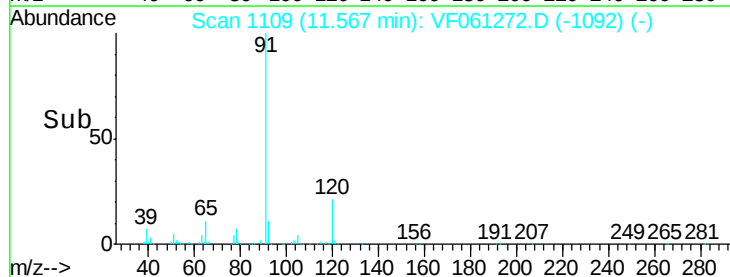
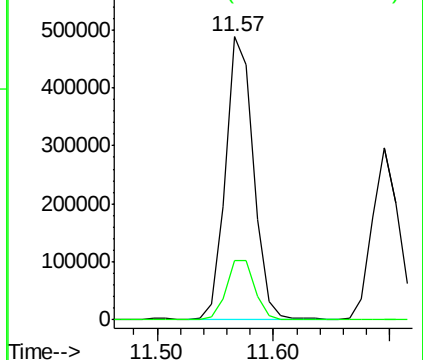
91 100

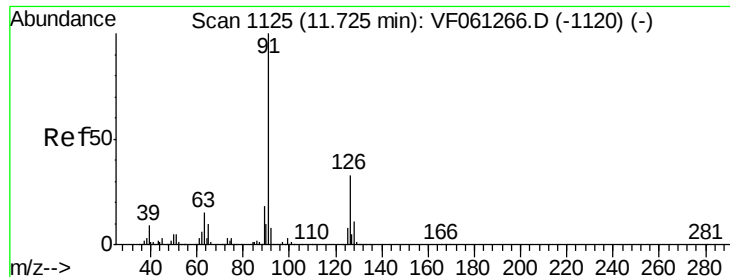
120 20.8 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.203 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

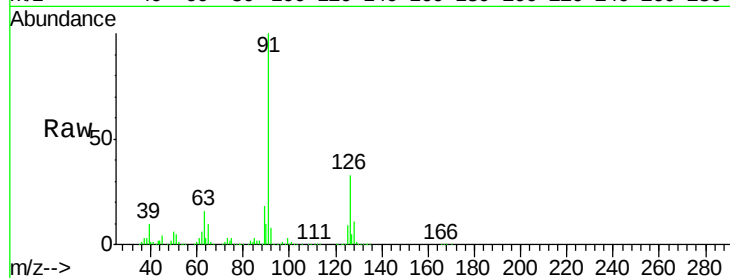
VSTDCCC050

Tot Ion: 91 Resp: 463427

Ion Ratio Lower Upper

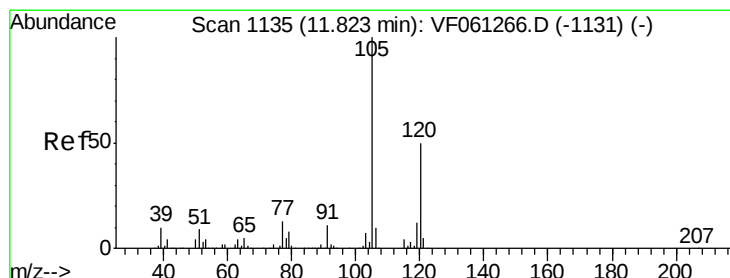
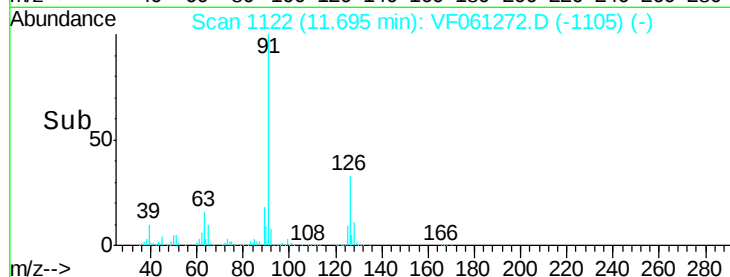
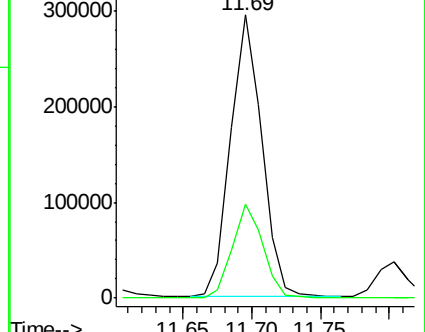
91 100

126 33.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 45.783 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061272.D

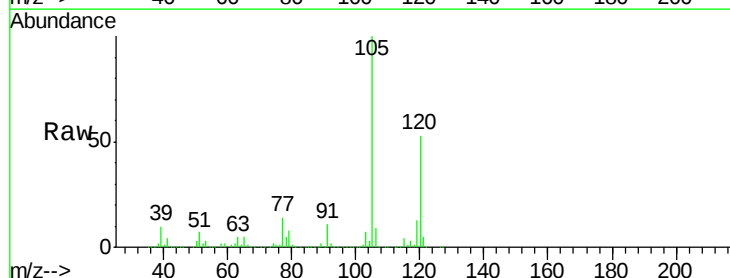
Acq: 7 Jan 2019 11:31

Tgt Ion:105 Resp: 550459

Ion Ratio Lower Upper

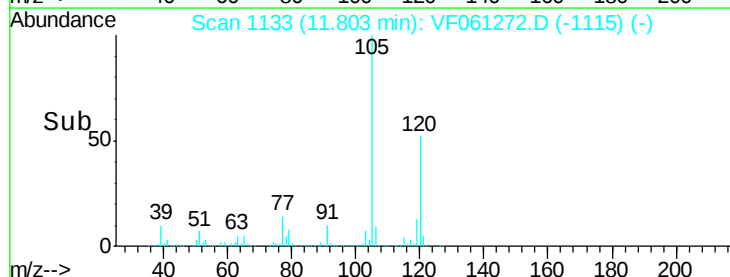
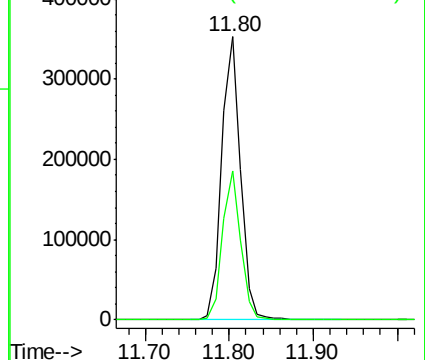
105 100

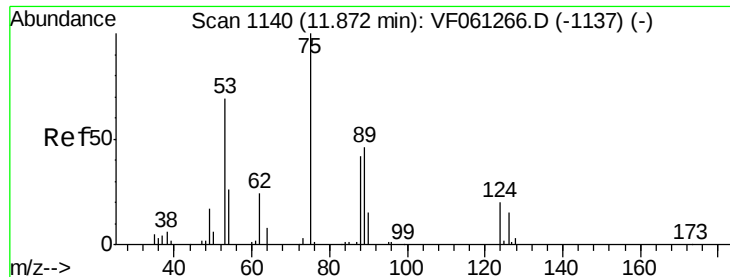
120 52.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 60.235 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

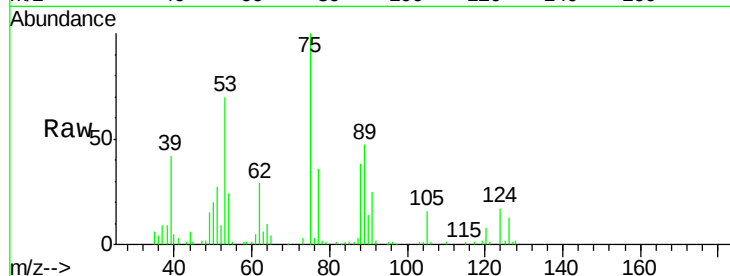
Tot Ion: 75 Resp: 53314

Ion Ratio Lower Upper

75 100

53 70.3 61.7 92.5

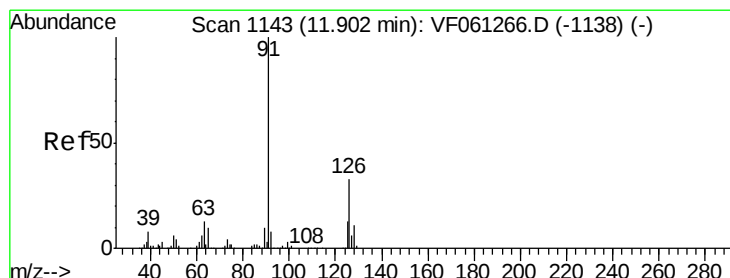
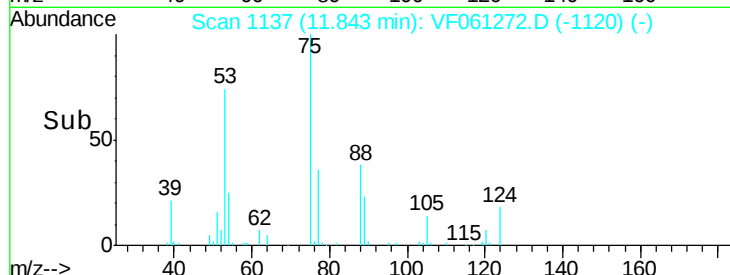
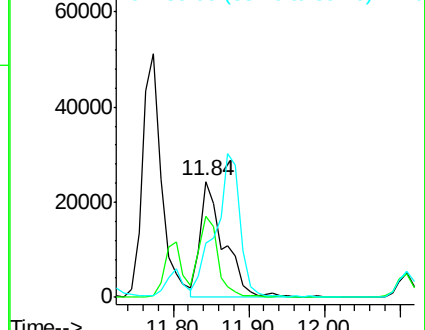
89 47.2 40.3 60.5



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: 45.379 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.03 min

Lab File: VF061272.D

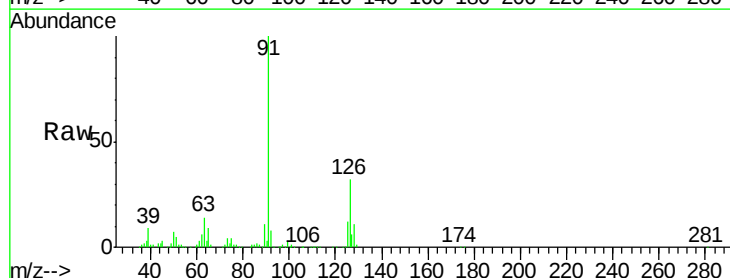
Acq: 7 Jan 2019 11:31

Tgt Ion: 91 Resp: 471626

Ion Ratio Lower Upper

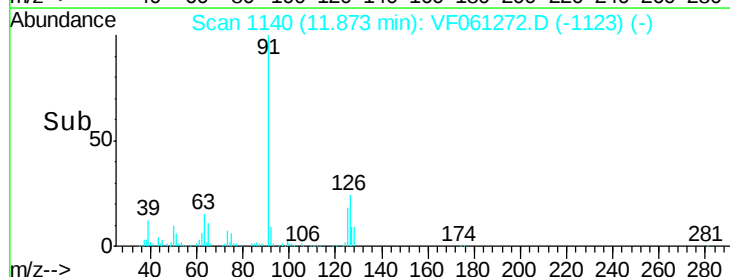
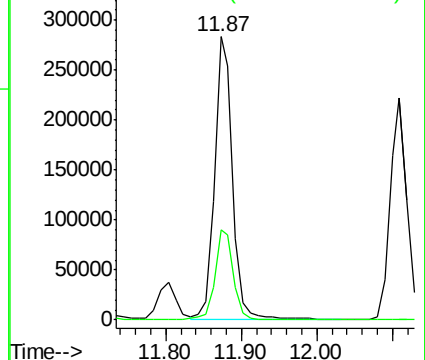
91 100

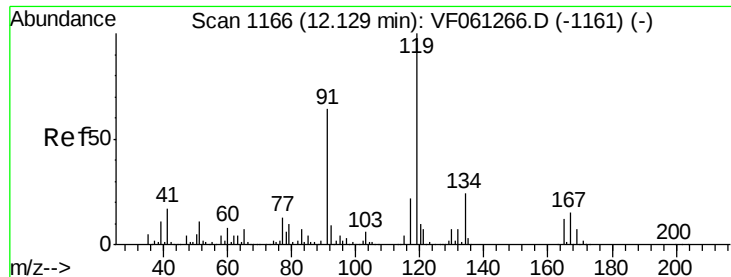
126 32.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 46.487 ug/l

RT: 12.11 min Scan# 1164

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

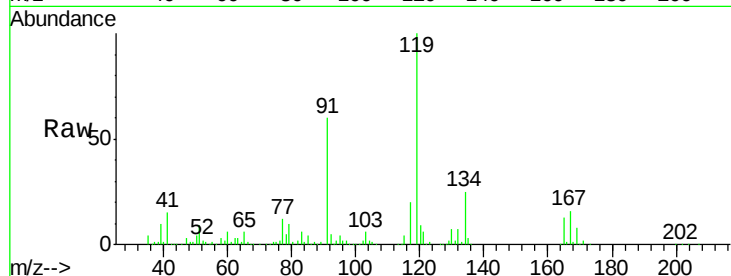
Tot Ion:119 Resp: 576284

Ion Ratio Lower Upper

119 100

91 60.0 32.0 96.0

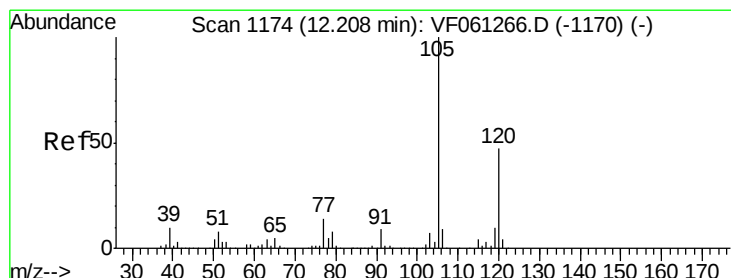
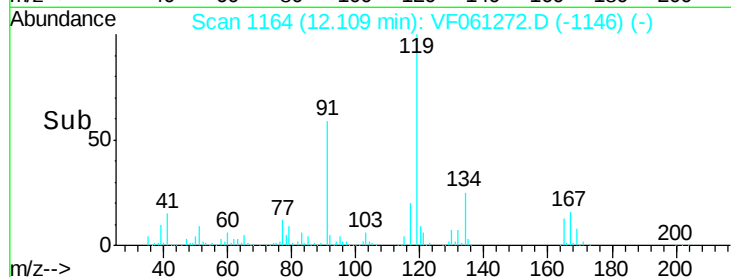
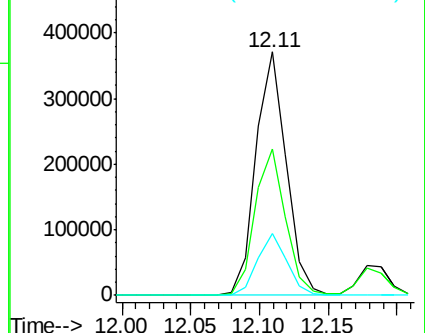
134 25.3 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.920 ug/l

RT: 12.18 min Scan# 1171

Delta R.T. -0.03 min

Lab File: VF061272.D

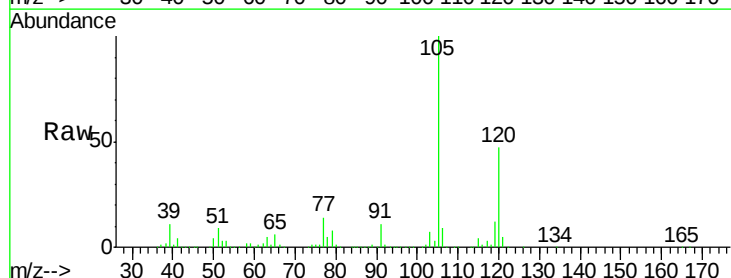
Acq: 7 Jan 2019 11:31

Tgt Ion:105 Resp: 573568

Ion Ratio Lower Upper

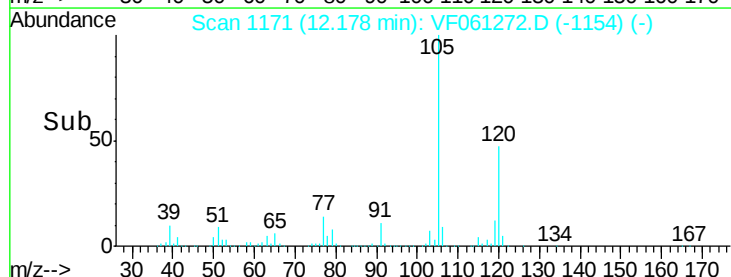
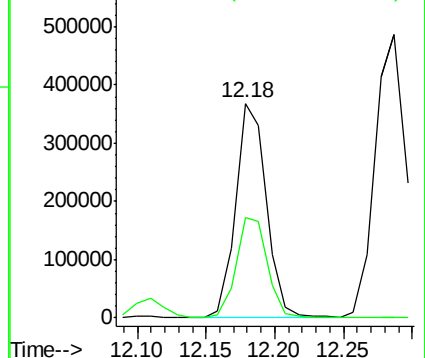
105 100

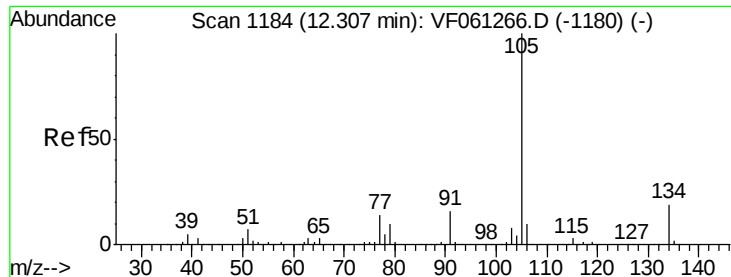
120 46.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

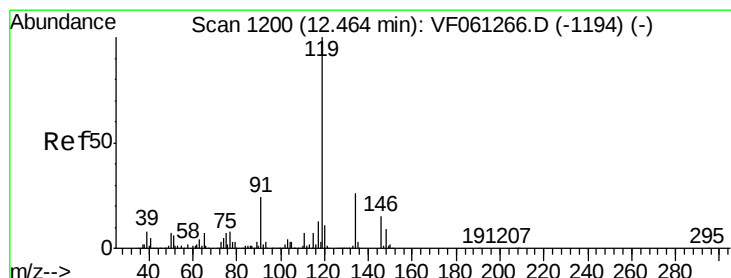
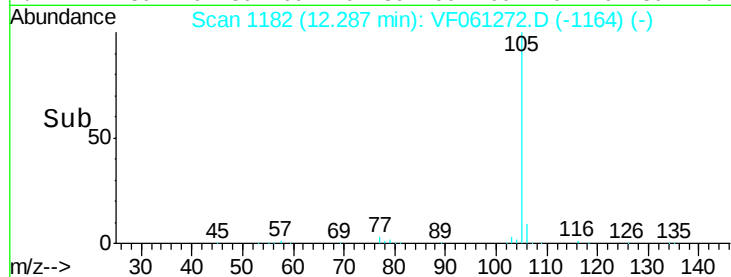
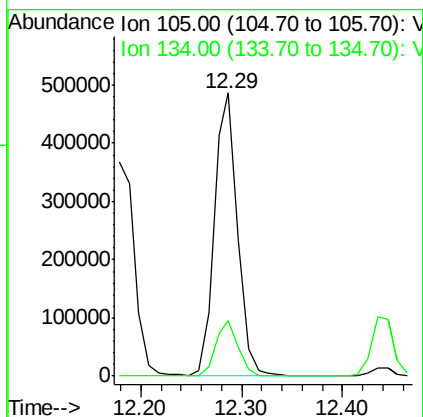
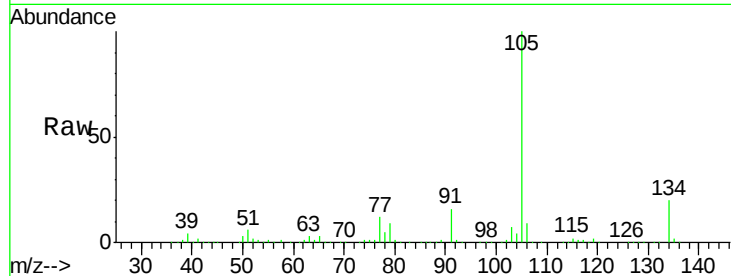




#85
 sec-Butylbenzene
 Concen: 46.226 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

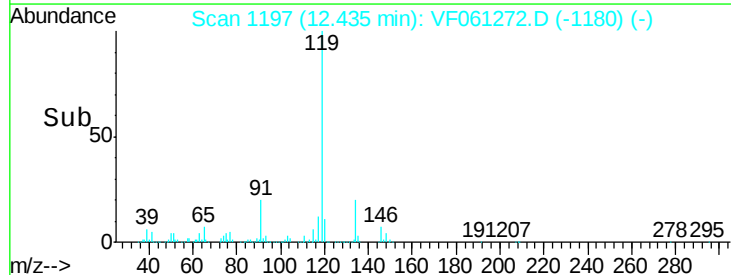
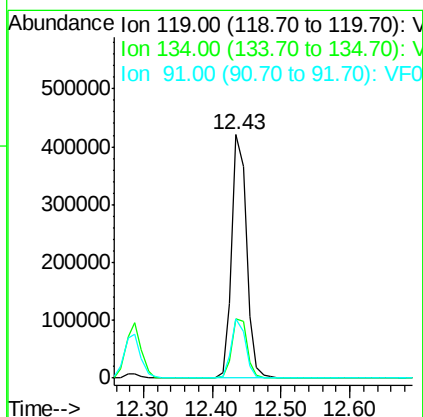
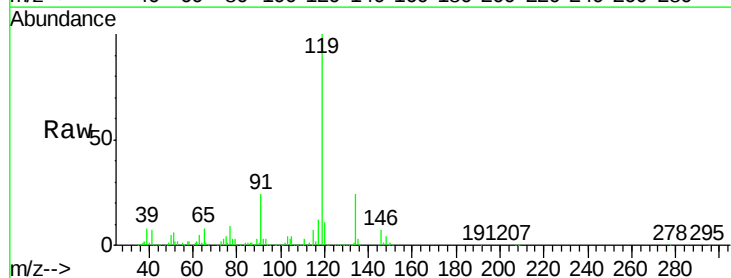
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

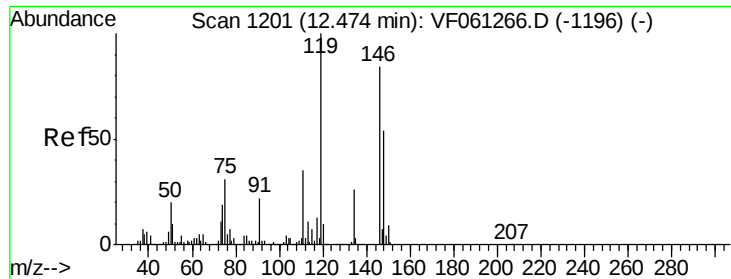
Tot Ion:105 Resp: 777316
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 45.631 ug/l
 RT: 12.43 min Scan# 1197
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion:119 Resp: 632226
 Ion Ratio Lower Upper
 119 100
 134 24.2 13.2 39.6
 91 24.3 11.9 35.7

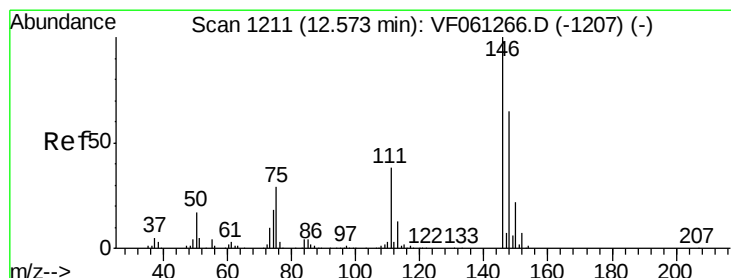
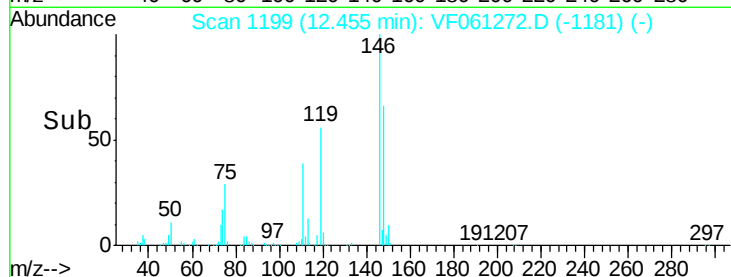
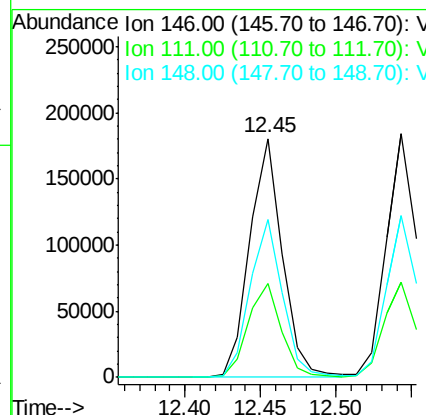
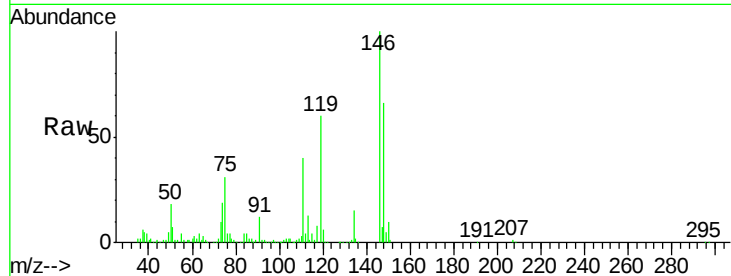




#87
 1,3-Dichlorobenzene
 Concen: 45.321 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

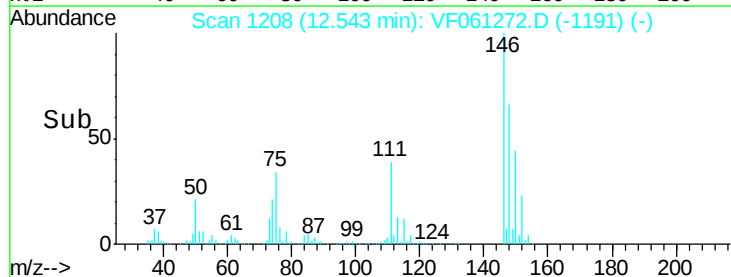
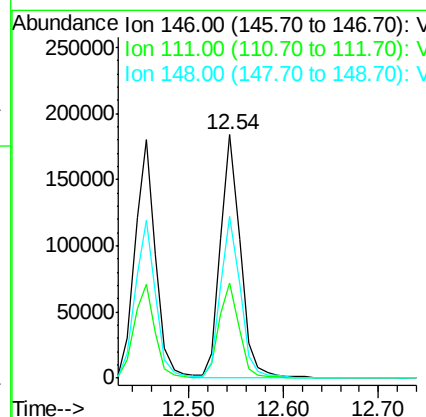
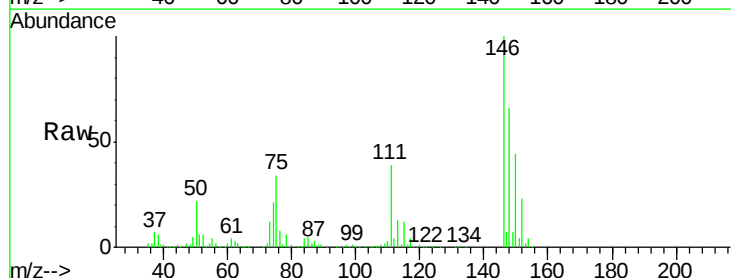
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

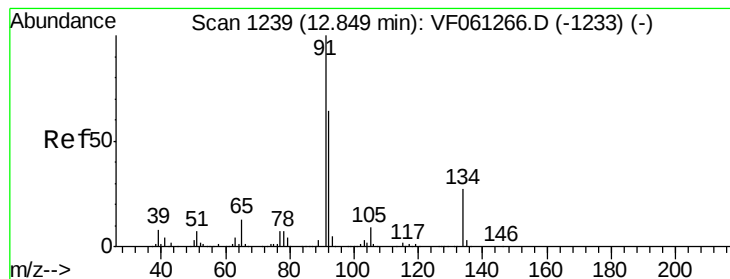
Tot Ion:146 Resp: 273420
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.9 62.8
 148 66.1 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 46.079 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion:146 Resp: 271239
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.9
 148 66.3 32.6 98.0





#89

n-Butylbenzene

Concen: 51.375 ug/l

RT: 12.82 min Scan# 1236

Delta R.T. -0.03 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

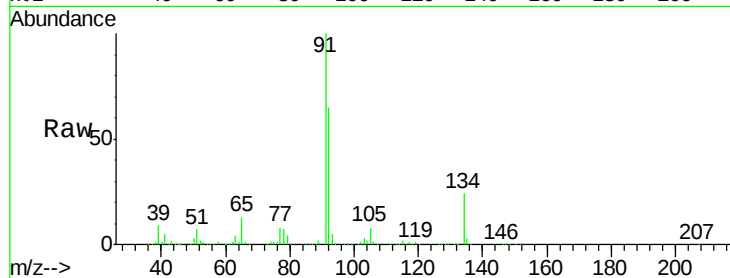
Tot Ion: 91 Resp: 637366

Ion Ratio Lower Upper

91 100

92 64.7 31.9 95.7

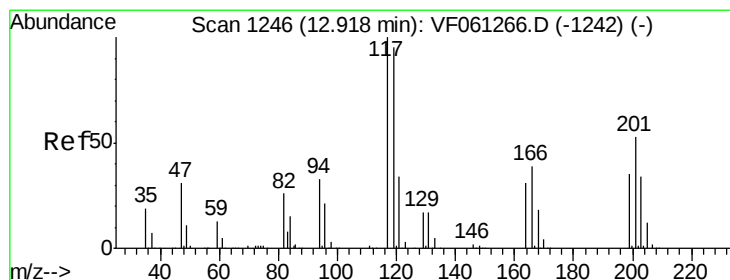
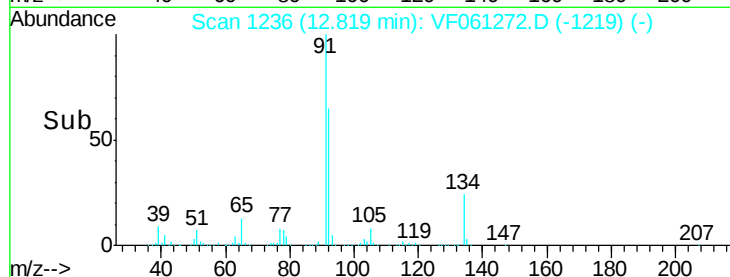
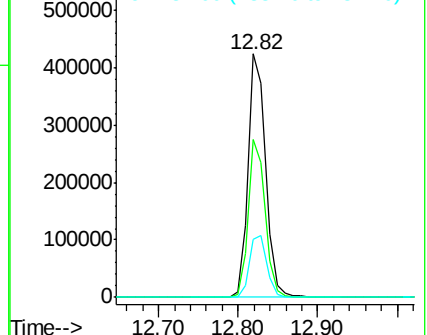
134 23.7 13.6 40.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 47.363 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.02 min

Lab File: VF061272.D

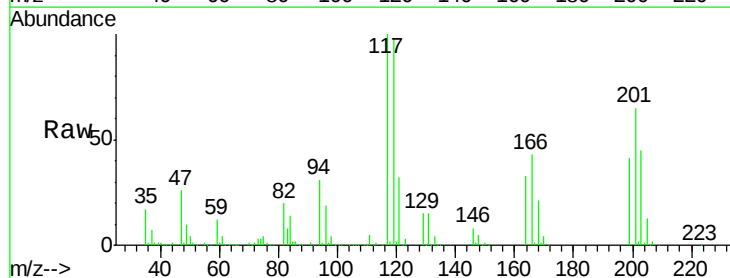
Acq: 7 Jan 2019 11:31

Tgt Ion: 117 Resp: 161897

Ion Ratio Lower Upper

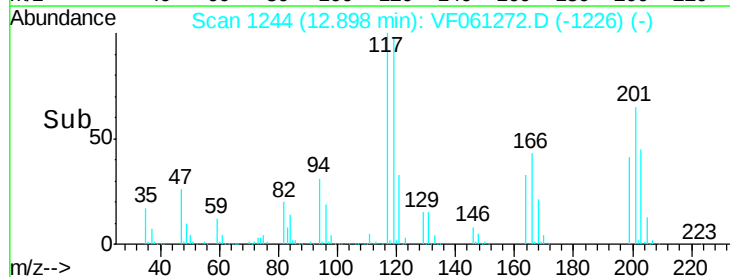
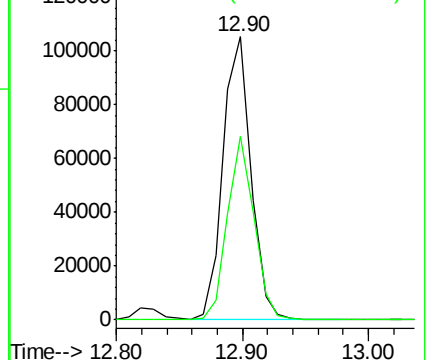
117 100

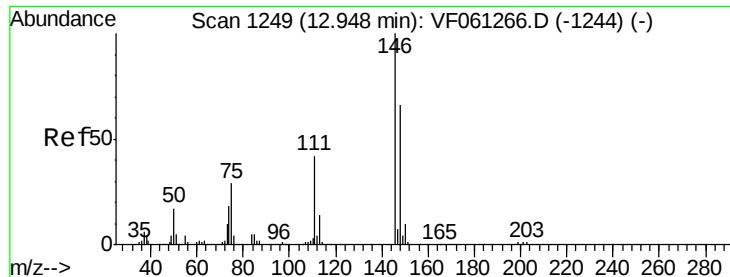
201 64.9 26.6 79.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

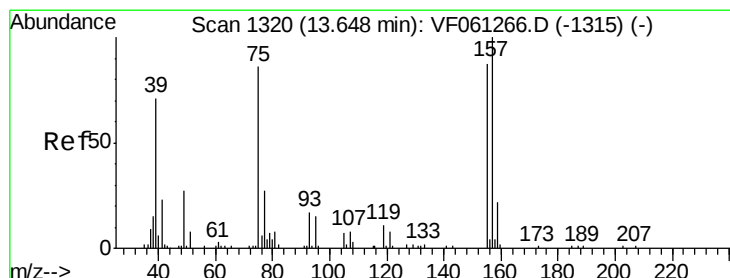
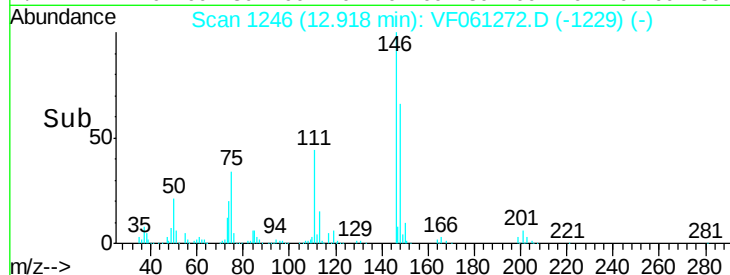
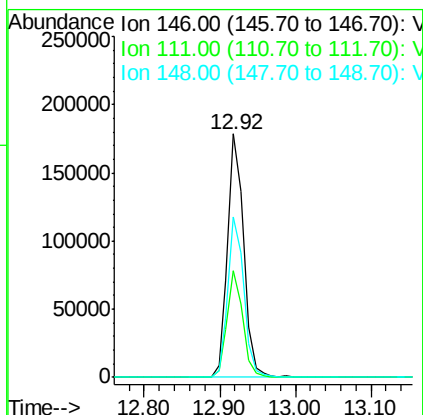
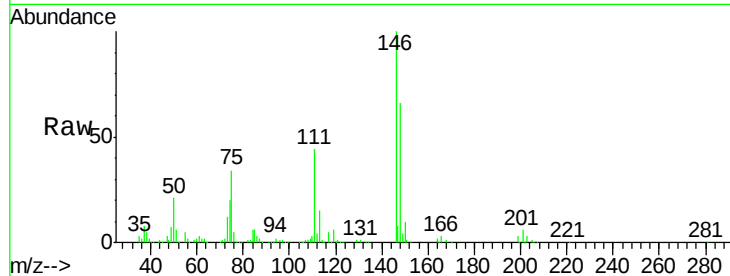




#91
 1,2-Dichlorobenzene
 Concen: 45.267 ug/l
 RT: 12.92 min Scan# 1246
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

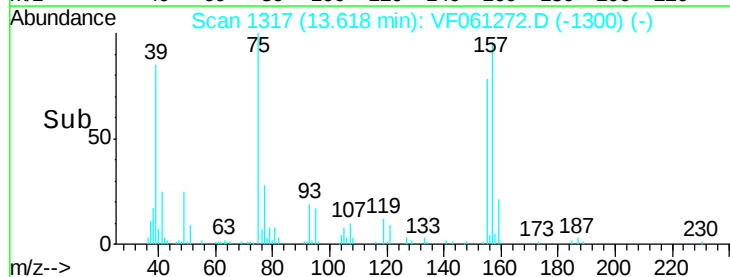
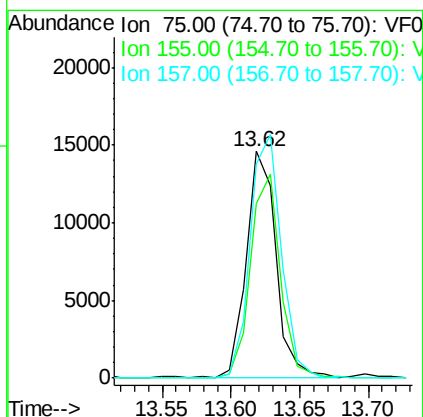
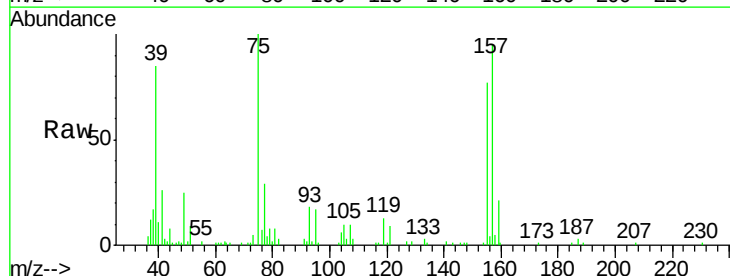
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

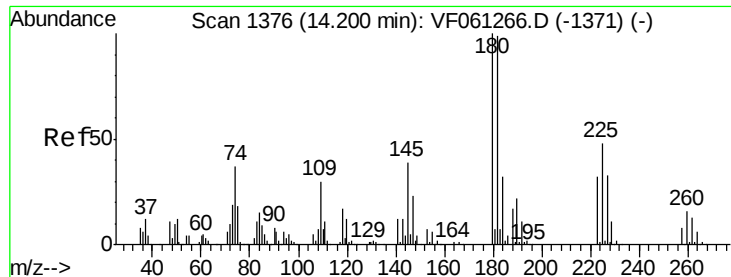
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.1	63.4
148	66.0	32.8	98.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.604 ug/l
 RT: 13.62 min Scan# 1317
 Delta R.T. -0.03 min
 Lab File: VF061272.D
 Acq: 7 Jan 2019 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.8	50.6	151.8
157	94.6	58.0	173.9





#93

1,2,4-Trichlorobenzene

Concen: 46.659 ug/l

RT: 14.18 min Scan# 1374

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

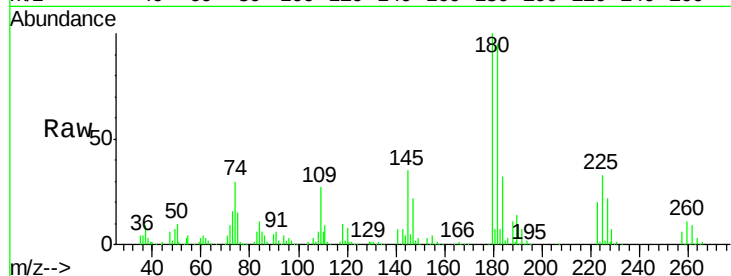
Tot Ion:180 Resp: 190412

Ion Ratio Lower Upper

180 100

182 95.4 49.5 148.3

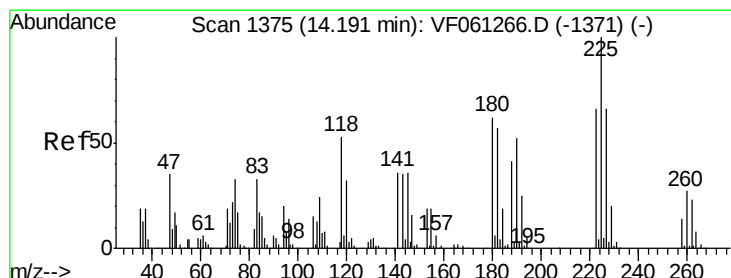
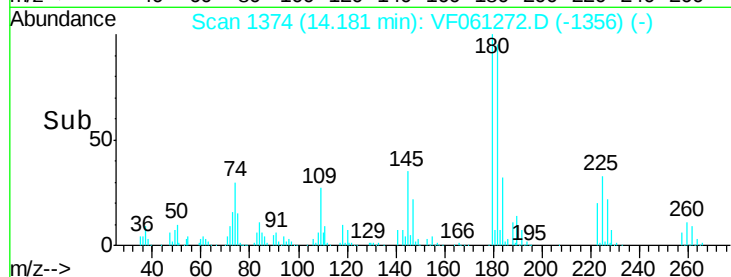
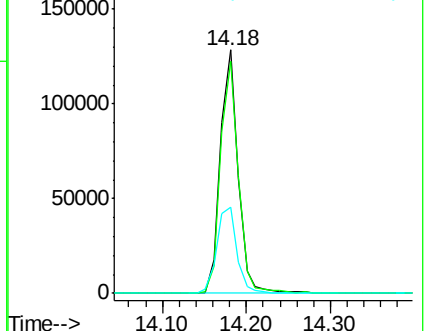
145 35.4 19.7 59.0



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: 46.864 ug/l

RT: 14.17 min Scan# 1373

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

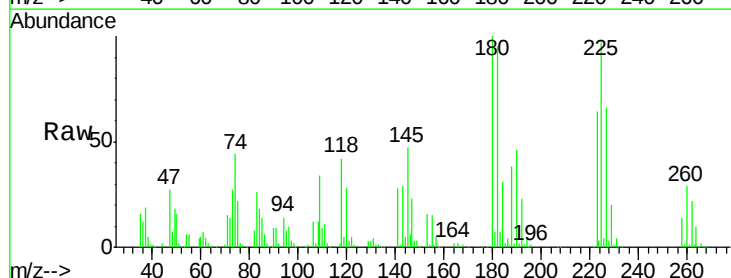
Tgt Ion:225 Resp: 121852

Ion Ratio Lower Upper

225 100

223 65.8 33.0 99.0

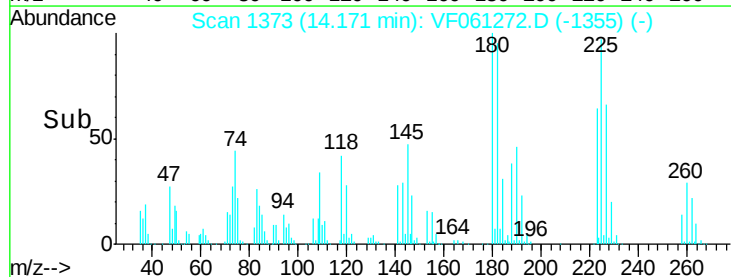
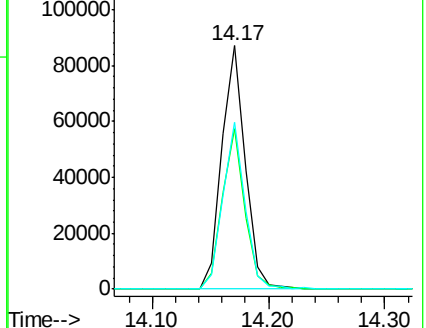
227 68.4 32.8 98.4

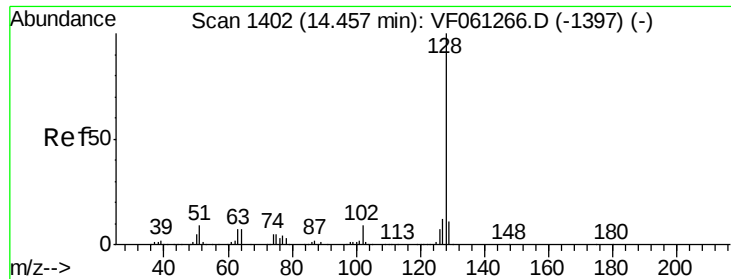


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 48.240 ug/l

RT: 14.44 min Scan# 1400

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

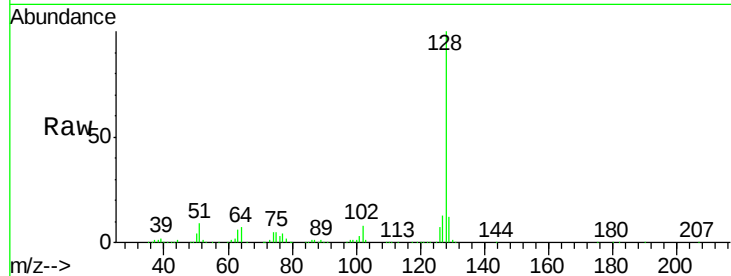
Tot Ion:128 Resp: 367979

Ion Ratio Lower Upper

128 100

127 12.9 9.8 14.6

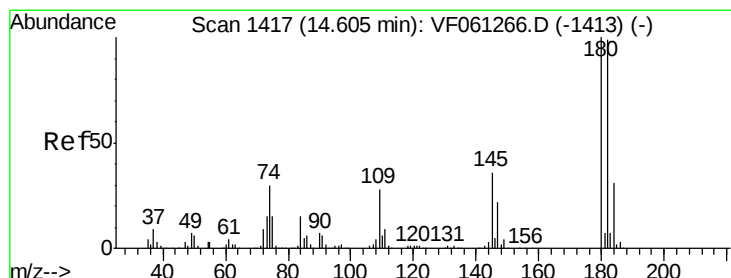
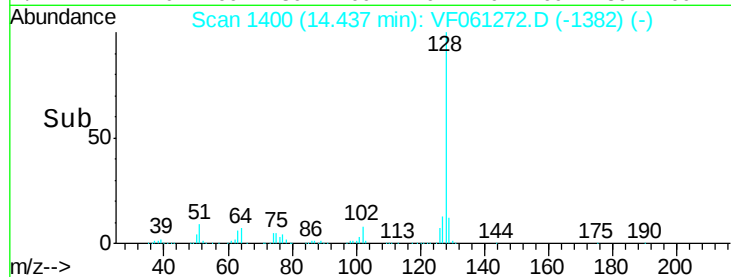
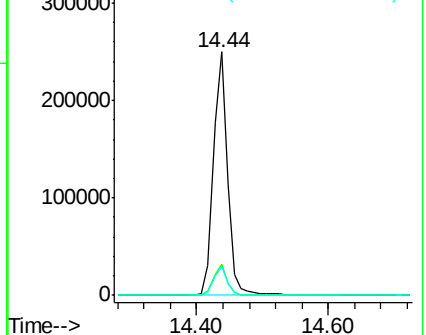
129 11.6 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.031 ug/l

RT: 14.59 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF061272.D

Acq: 7 Jan 2019 11:31

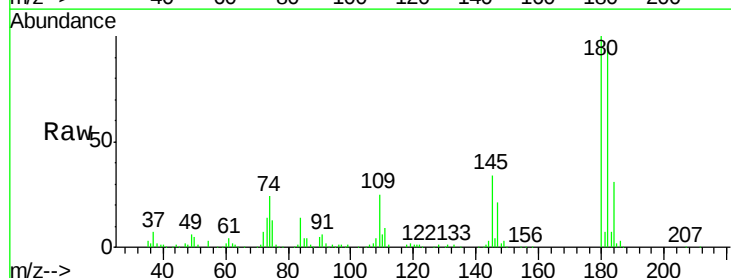
Tgt Ion:180 Resp: 181741

Ion Ratio Lower Upper

180 100

182 95.1 49.5 148.5

145 33.7 18.0 54.0



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

