

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022519\
 Data File : VF061739.D
 Acq On : 25 Feb 2019 19:58
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 26 04:54:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	315862	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	483735	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	418001	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	227356	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	117713	50.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	4.10	113	176905	49.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	7.54	98	518436	50.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.40	95	195176	46.71	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	169406	46.703	ug/l	100
3) Chloromethane	1.10	50	177625	46.671	ug/l	99
4) Vinyl Chloride	1.13	62	167762	47.417	ug/l	97
5) Bromomethane	1.31	94	125623	51.590	ug/l	91
6) Chloroethane	1.39	64	84534	48.483	ug/l	99
7) Trichlorofluoromethane	1.48	101	219831	51.515	ug/l	97
8) Diethyl Ether	1.63	74	49827	46.333	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	153708	49.930	ug/l	95
10) Methyl Iodide	1.90	142	298932m	50.834	ug/l	
11) Tert butyl alcohol	2.56	59	29479	219.909	ug/l	100
12) 1,1-Dichloroethene	1.80	96	141234	52.181	ug/l	97
13) Acrolein	2.00	56	43221	256.538	ug/l	99
14) Allyl chloride	2.09	41	168894	50.852	ug/l	99
15) Acrylonitrile	2.93	53	97615	205.297	ug/l	90
16) Acetone	2.23	43	114323	230.042	ug/l	93
17) Carbon Disulfide	1.81	76	416194	48.919	ug/l	99
18) Methyl Acetate	2.35	43	58147	51.938	ug/l	96
19) Methyl tert-butyl Ether	2.43	73	238303	51.517	ug/l	98
20) Methylene Chloride	2.18	84	134108m	50.379	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	148107	50.337	ug/l	99
22) Diisopropyl ether	2.79	45	414057	51.935	ug/l	98
23) Vinyl Acetate	3.19	43	915462	235.093	ug/l	99
24) 1,1-Dichloroethane	2.87	63	247163	51.228	ug/l	99
25) 2-Butanone	4.32	43	251748	231.912	ug/l	96
26) 2,2-Dichloropropane	3.60	77	110767	54.200	ug/l	88
27) cis-1,2-Dichloroethene	3.47	96	185561	48.048	ug/l	99
28) Bromochloromethane	3.71	49	113967	49.231	ug/l	100
29) Tetrahydrofuran	4.06	42	107631	218.149	ug/l	97
30) Chloroform	3.86	83	287513	52.401	ug/l	97
31) Cyclohexane	3.68	56	254886m	48.801	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	178012	49.527	ug/l	98
36) 1,1-Dichloropropene	4.27	75	236895	49.436	ug/l	96
37) Ethyl Acetate	4.10	43	93532	42.023	ug/l #	75
38) Carbon Tetrachloride	3.98	117	172649	52.177	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	289288	51.045	ug/l	98
40) Benzene	4.63	78	604294	48.212	ug/l	98
41) Methacrylonitrile	4.74	41	50139	44.049	ug/l	96
42) 1,2-Dichloroethane	4.93	62	152043	50.711	ug/l	94
43) Isopropyl Acetate	6.95	43	109155	41.431	ug/l #	92
44) Trichloroethene	5.49	130	197335	48.685	ug/l	98
45) 1,2-Dichloropropane	6.23	63	153395	50.630	ug/l	96
46) Dibromomethane	6.07	93	94119	50.454	ug/l	92
47) Bromodichloromethane	6.38	83	205544	50.316	ug/l	97
48) Methyl methacrylate	6.71	41	74067	46.716	ug/l	94
49) 1,4-Dioxane	6.70	88	12845	861.833	ug/l #	85
51) 4-Methyl-2-Pentanone	8.24	43	408126	216.799	ug/l	99
52) Toluene	7.61	92	366958	48.273	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	167687	49.322	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	240123	53.024	ug/l	99
55) 1,1,2-Trichloroethane	8.48	97	108862	48.741	ug/l	96
56) Ethyl methacrylate	8.61	69	113416	45.610	ug/l	96
57) 1,3-Dichloropropane	8.85	76	177067	47.497	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	80577	187.808	ug/l	99
59) 2-Hexanone	9.49	43	280980	212.930	ug/l	95
60) Dibromochloromethane	8.71	129	158174	50.881	ug/l	99
61) 1,2-Dibromoethane	8.97	107	116295	48.006	ug/l	97
64) Tetrachloroethene	8.15	164	180017	52.688	ug/l	98
65) Chlorobenzene	9.79	112	429793	50.670	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	170454	51.284	ug/l	99
67) Ethyl Benzene	9.89	91	700013	49.626	ug/l	99
68) m/p-Xylenes	10.13	106	549509	101.790	ug/l	96
69) o-Xylene	10.71	106	308489	53.553	ug/l	98
70) Styrene	10.78	104	403216	49.479	ug/l	99
71) Bromoform	10.77	173	87965	48.738	ug/l	100
73) Isopropylbenzene	11.11	105	823014	50.843	ug/l	99
74) N-amyl acetate	11.36	43	186314	47.953	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	130208	44.899	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	92602	46.966	ug/l	99
77) Bromobenzene	11.49	156	203823	50.969	ug/l	98
78) n-propylbenzene	11.59	91	941121	50.665	ug/l	99
79) 2-Chlorotoluene	11.72	91	516455	49.644	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	691398	53.441	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.86	75	46288m	48.969	ug/l	
82) 4-Chlorotoluene	11.89	91	559047	51.774	ug/l	97
83) tert-Butylbenzene	12.12	119	736538	51.399	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	680699	52.959	ug/l	100
85) sec-Butylbenzene	12.30	105	936751	50.552	ug/l	99
86) p-Isopropyltoluene	12.45	119	769502	49.480	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	375673	48.187	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	381746	50.915	ug/l	95
89) n-Butylbenzene	12.84	91	722127	49.174	ug/l	96
90) Hexachloroethane	12.91	117	196548	54.342	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	359747	48.514	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	23285	50.643	ug/l	77

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

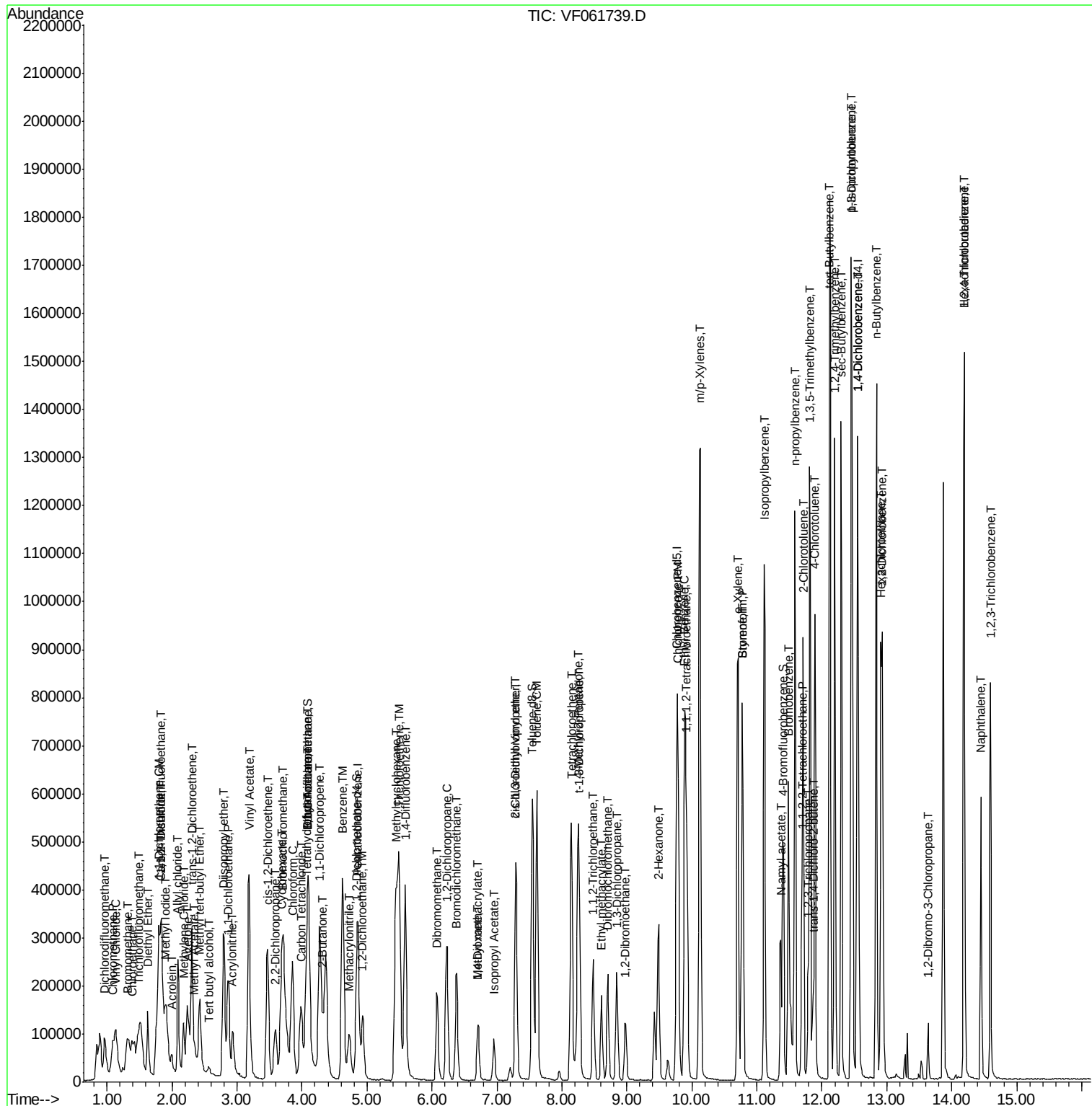
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	261727	49.242	ug/l	96
94) Hexachlorobutadiene	14.18	225	172280	52.483	ug/l	98
95) Naphthalene	14.45	128	448926	48.274	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	248540	50.946	ug/l	97

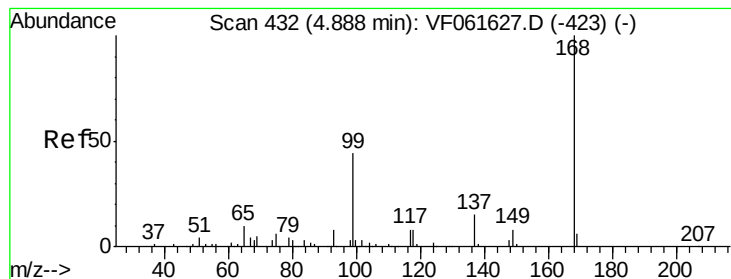
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.03 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

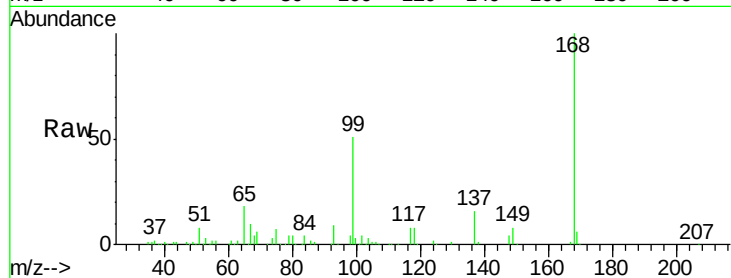
VSTDCCC050EC

Tot Ion:168 Resp: 315862

Ion Ratio Lower Upper

168 100

99 50.9 34.9 52.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

100000

80000

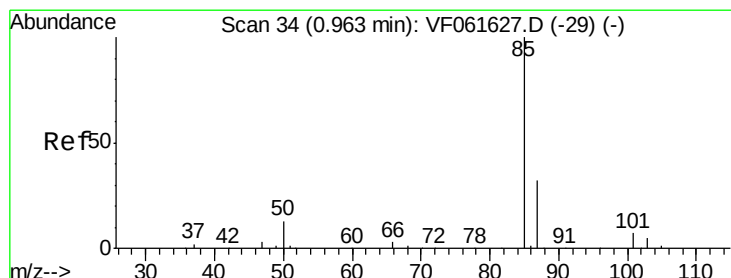
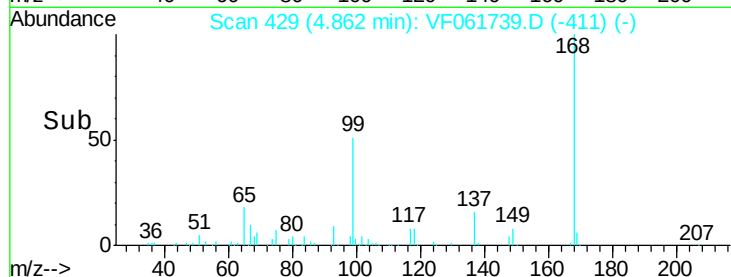
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 46.703 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF061739.D

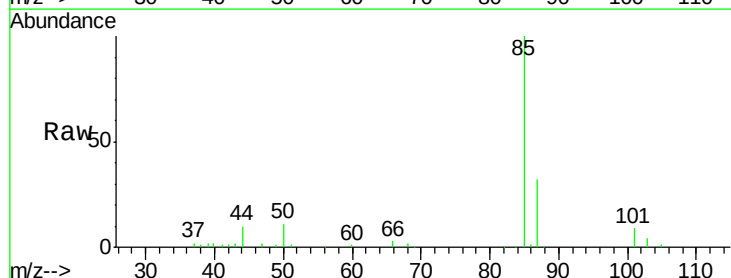
Acq: 25 Feb 2019 19:58

Tgt Ion: 85 Resp: 169406

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

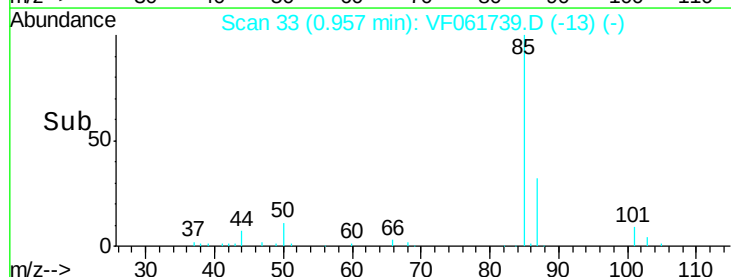
30000

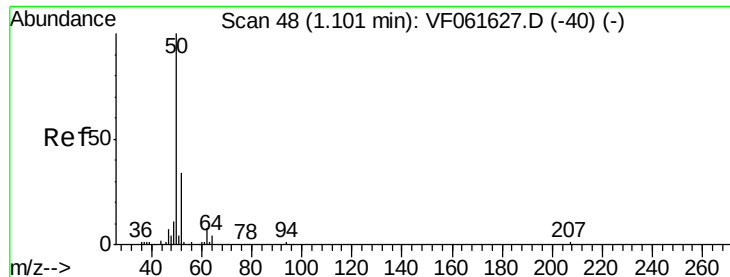
20000

10000

0

Time--> 0.90 1.00 1.10





#3

Chloromethane

Concen: 46.671 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

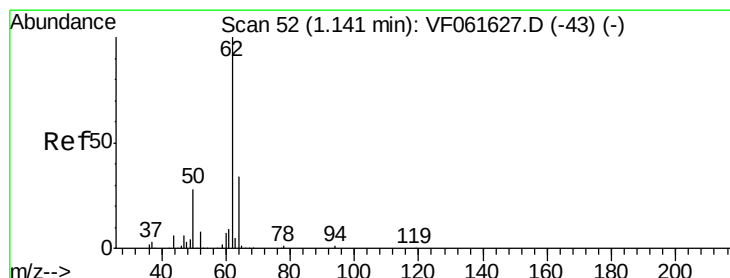
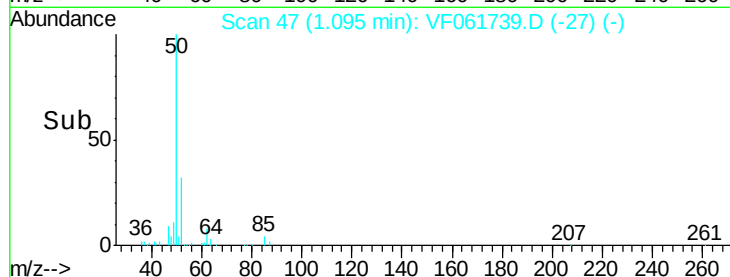
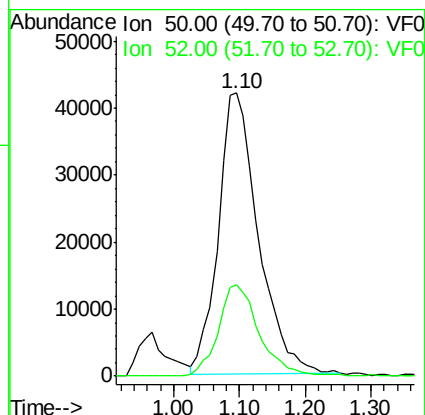
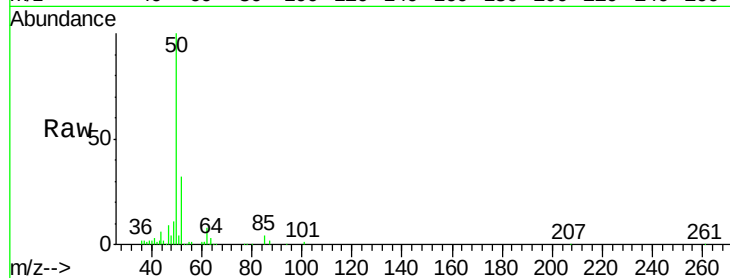
VSTDCCC050EC

Tot Ion: 50 Resp: 177625

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



#4

Vinyl Chloride

Concen: 47.417 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF061739.D

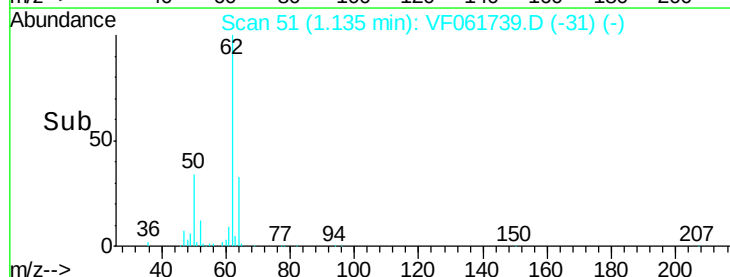
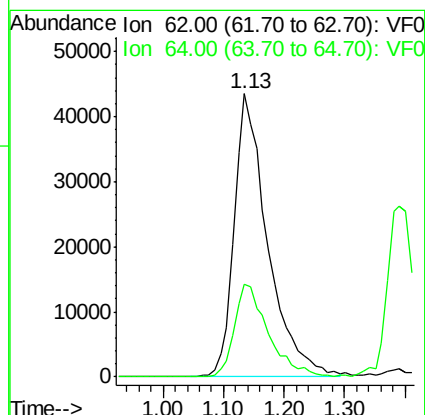
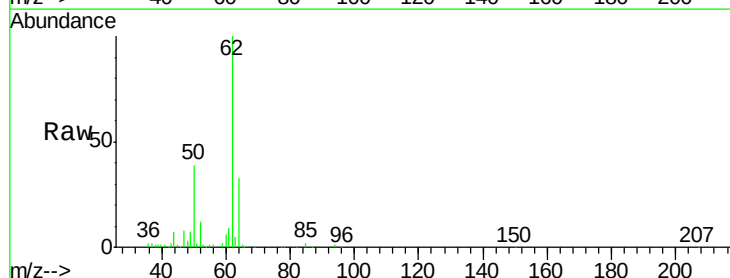
Acq: 25 Feb 2019 19:58

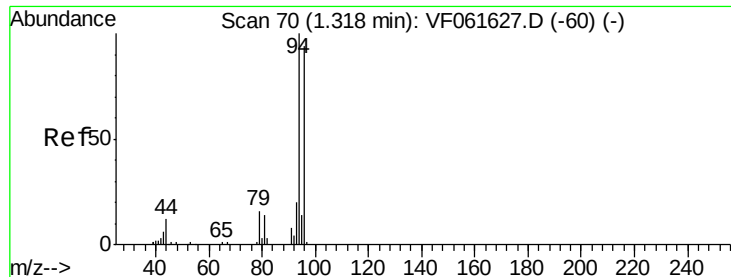
Tgt Ion: 62 Resp: 167762

Ion Ratio Lower Upper

62 100

64 32.7 27.5 41.3





#5

Bromomethane

Concen: 51.590 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

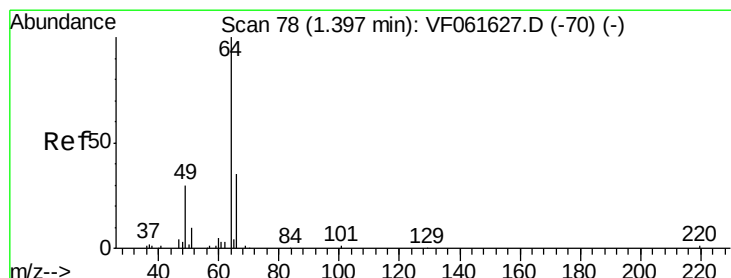
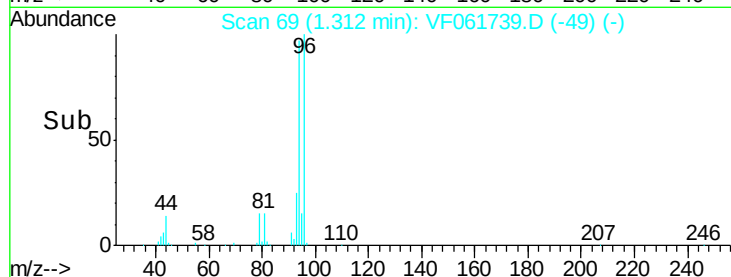
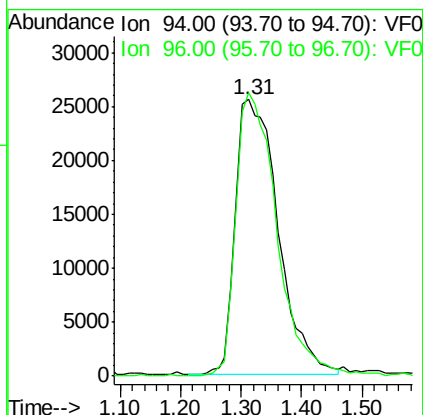
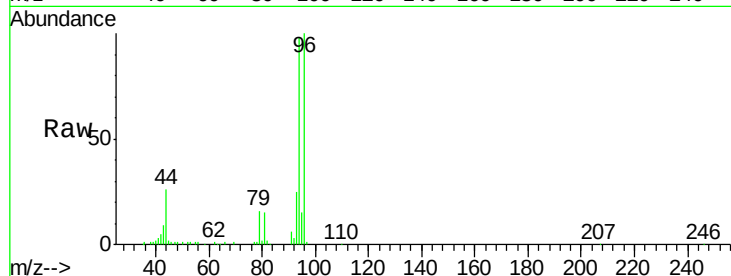
VSTDCCC050EC

Tot Ion: 94 Resp: 125623

Ion Ratio Lower Upper

94 100

96 102.3 74.6 112.0



#6

Chloroethane

Concen: 48.483 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.01 min

Lab File: VF061739.D

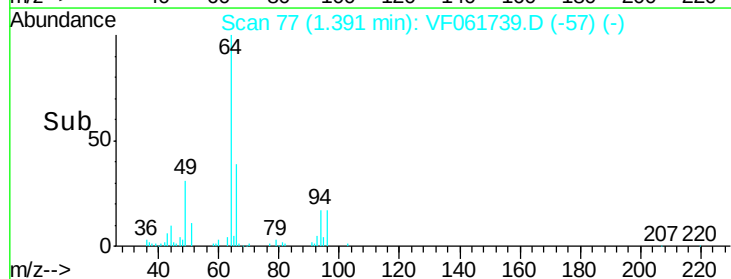
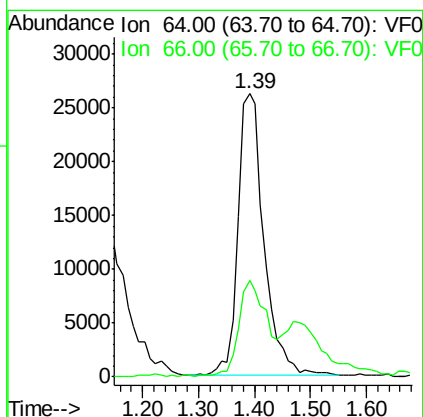
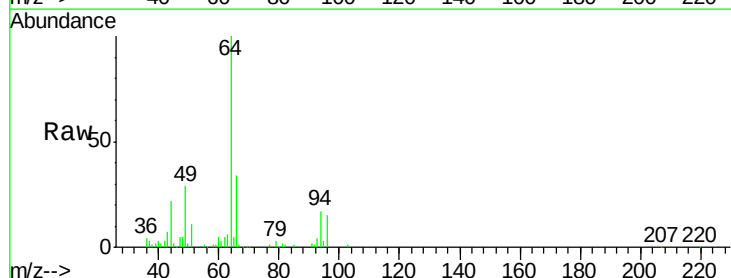
Acq: 25 Feb 2019 19:58

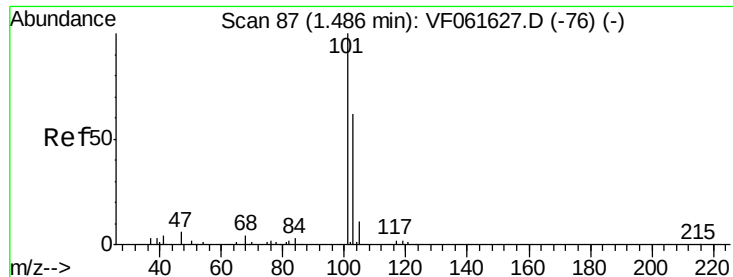
Tgt Ion: 64 Resp: 84534

Ion Ratio Lower Upper

64 100

66 34.3 27.9 41.9





#7

Trichlorofluoromethane

Concen: 51.515 ug/l

RT: 1.48 min Scan# 86

Delta R.T. -0.01 min

Lab File: VF061739.D

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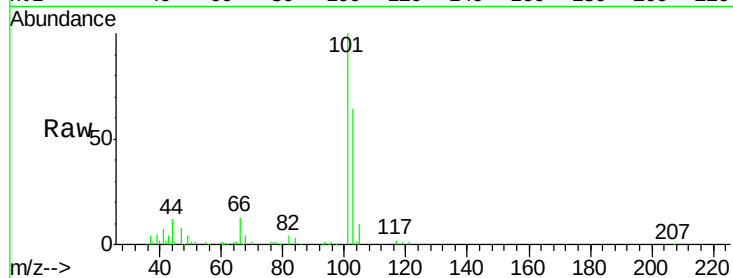
VSTDCCC050EC

Tot Ion:101 Resp: 219831

Ion Ratio Lower Upper

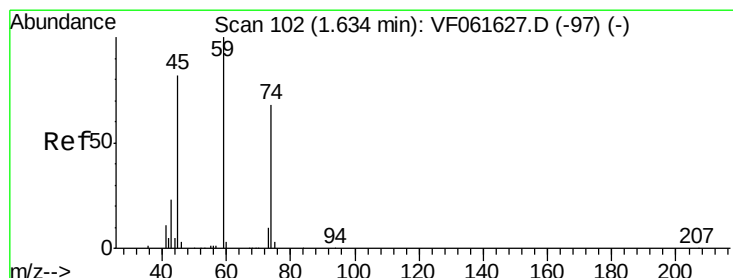
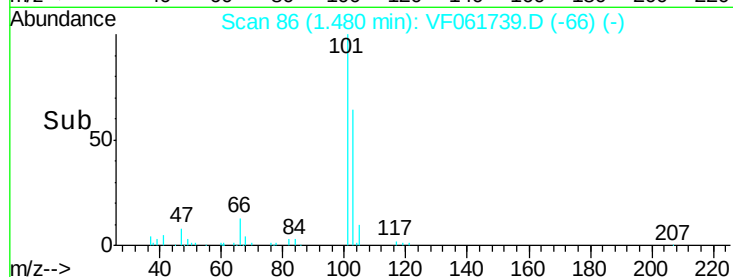
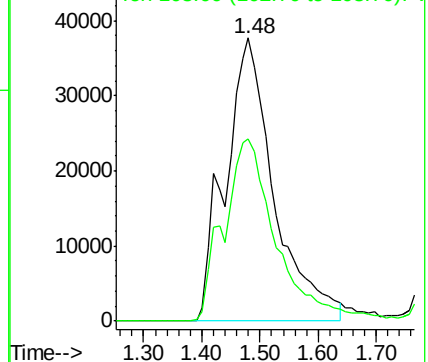
101 100

103 64.3 49.3 73.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 46.333 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF061739.D

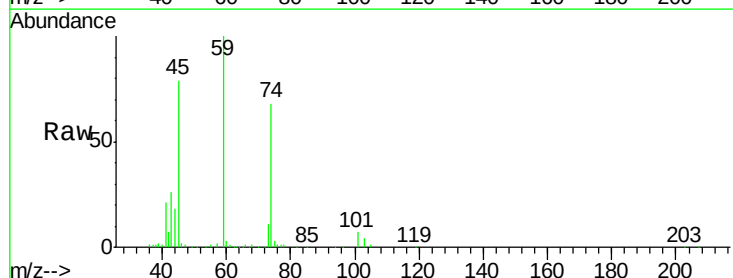
Acq: 25 Feb 2019 19:58

Tgt Ion: 74 Resp: 49827

Ion Ratio Lower Upper

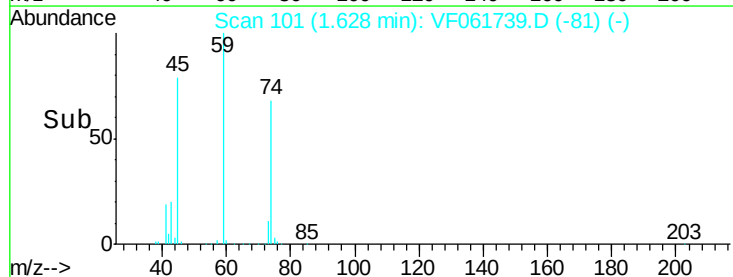
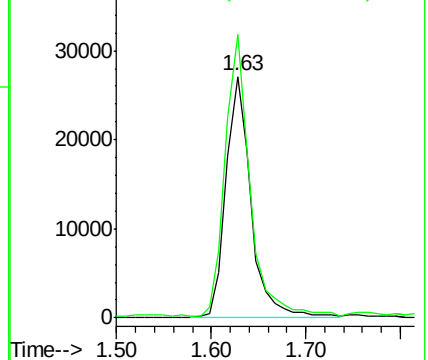
74 100

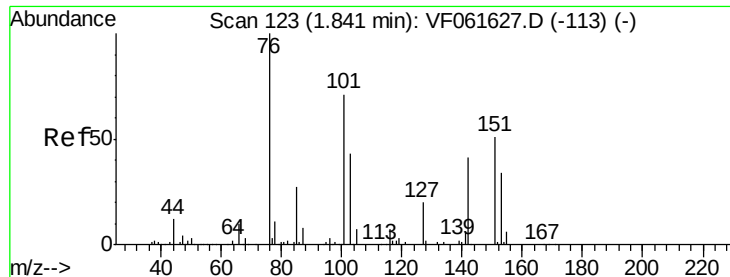
45 117.2 60.8 182.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.930 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF061739.D

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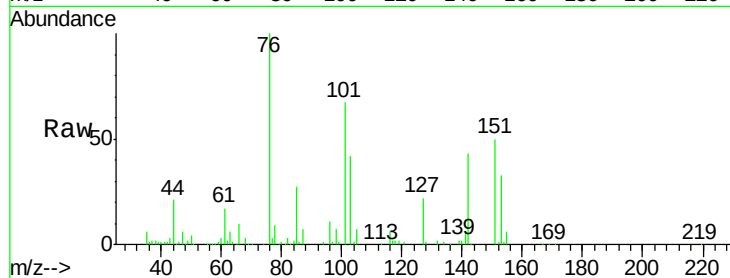
Tot Ion:101 Resp: 153708

Ion Ratio Lower Upper

101 100

85 40.2 29.8 44.6

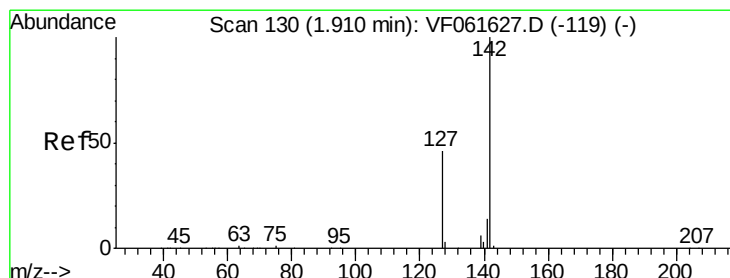
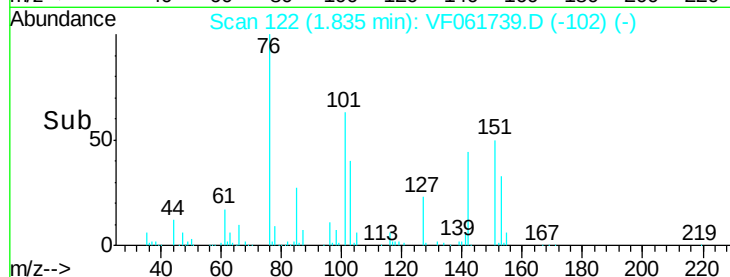
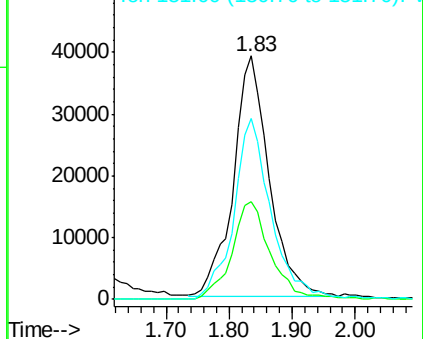
151 74.5 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 50.834 ug/l m

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

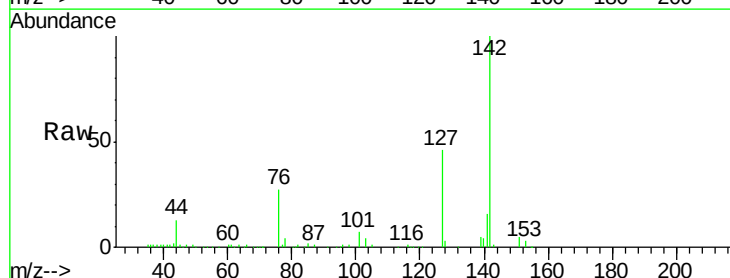
Tgt Ion:142 Resp: 298932

Ion Ratio Lower Upper

142 100

127 46.1 36.6 55.0

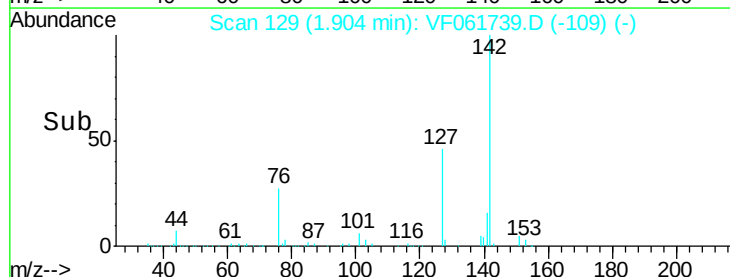
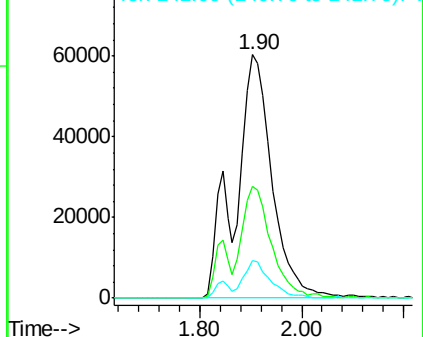
141 15.6 11.0 16.6

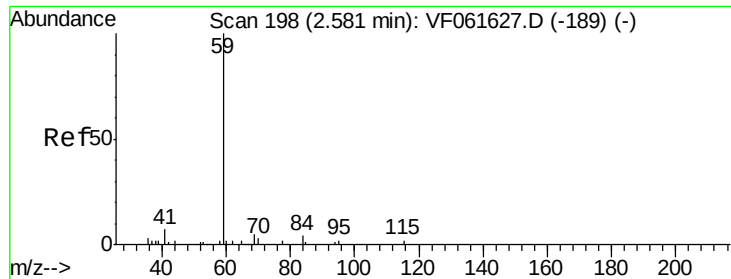


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



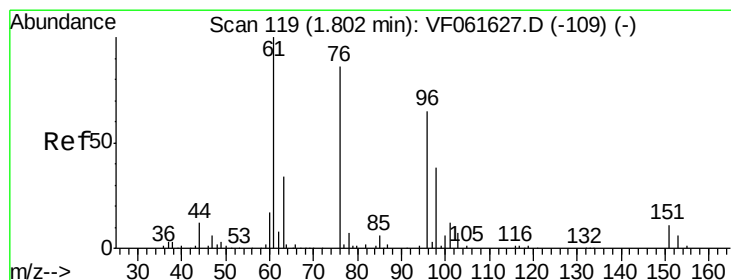
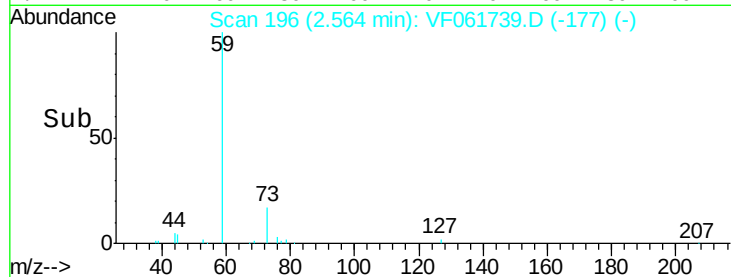
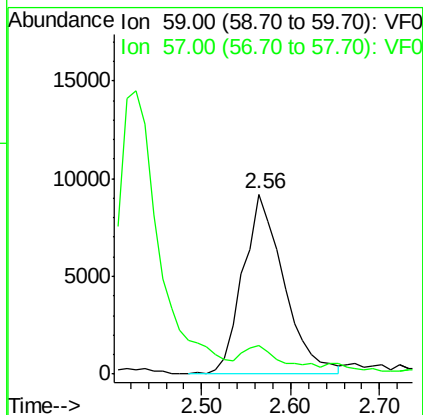
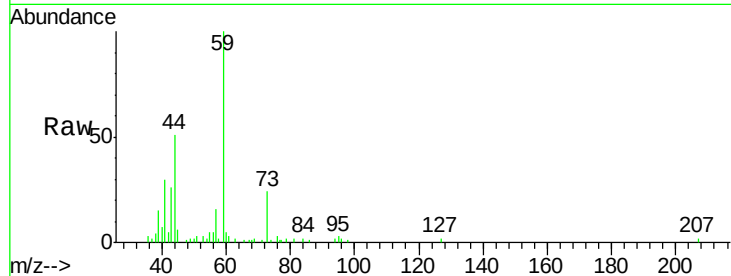


#11

Tert butyl alcohol
Concen: 219.909 ug/l
RT: 2.56 min Scan# 196
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

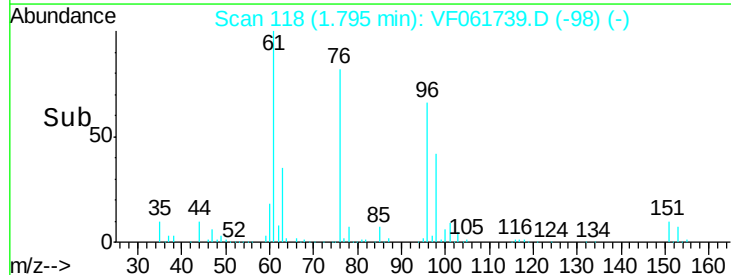
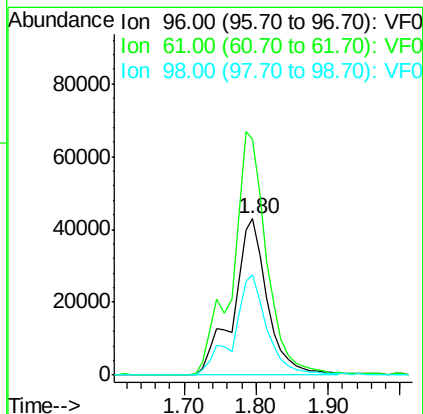
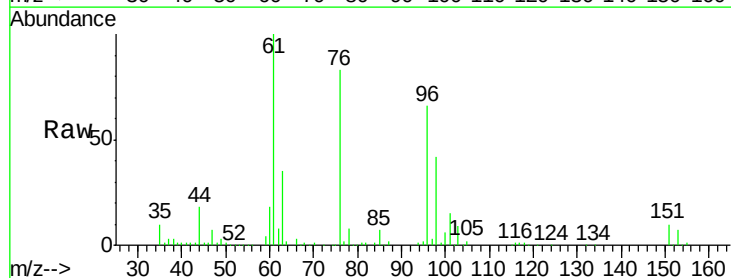
Tot Ion: 59 Resp: 29479
Ion Ratio Lower Upper
59 100
57 15.6 12.5 18.7

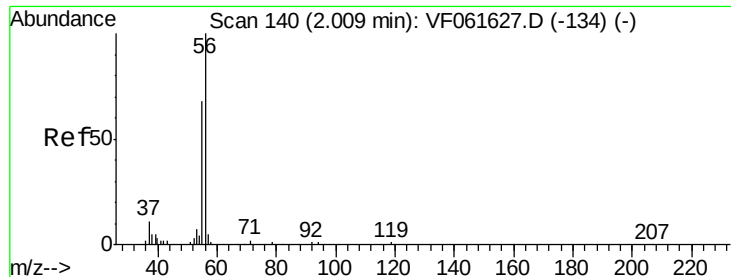


#12

1,1-Dichloroethene
Concen: 52.181 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion: 96 Resp: 141234
Ion Ratio Lower Upper
96 100
61 151.2 122.6 184.0
98 64.2 47.2 70.8

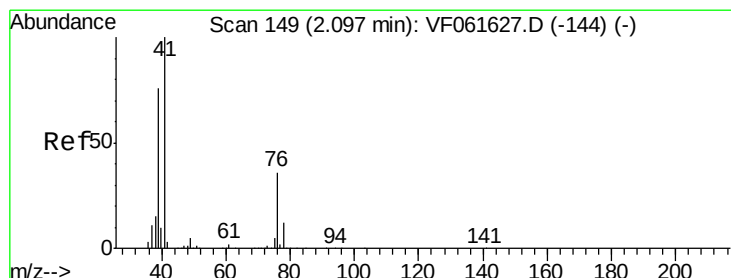
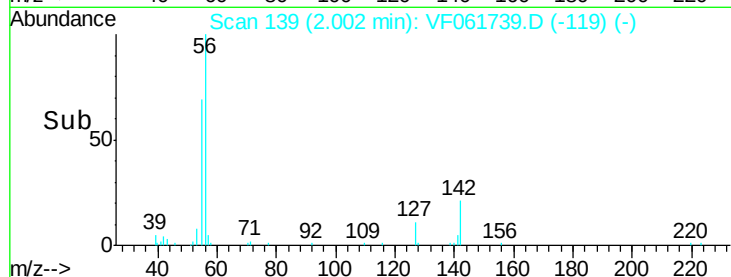
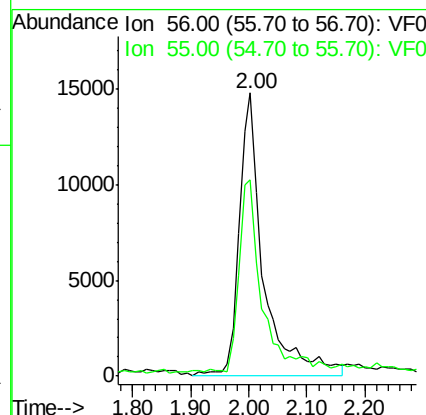
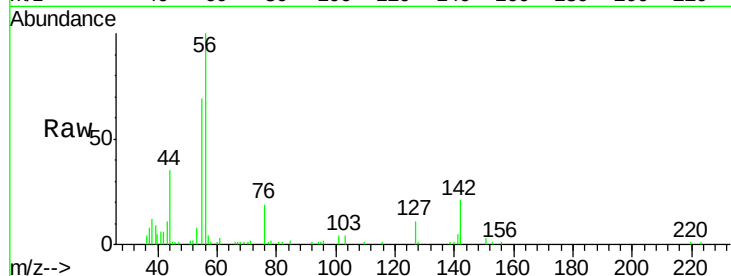




#13
Acrolein
Concen: 256.538 ug/l
RT: 2.00 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

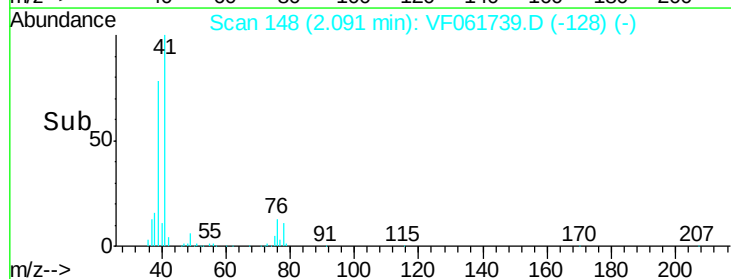
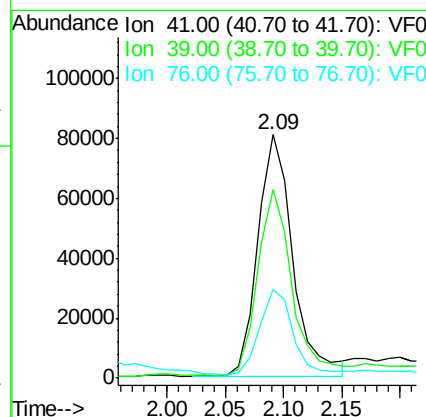
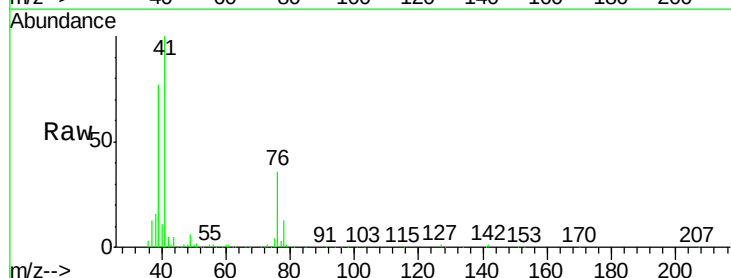
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

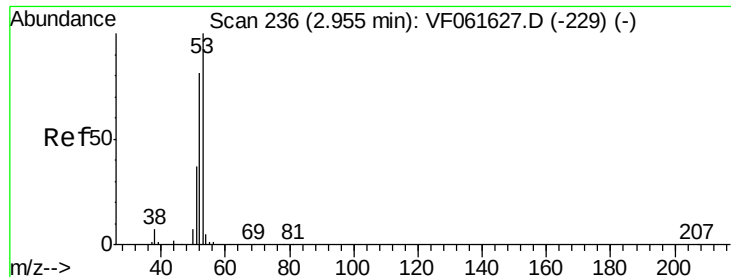
Tot Ion: 56 Resp: 43221
Ion Ratio Lower Upper
56 100
55 69.4 55.0 82.6



#14
Allyl chloride
Concen: 50.852 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.01 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion: 41 Resp: 168894
Ion Ratio Lower Upper
41 100
39 77.4 61.6 92.4
76 36.4 30.3 45.5





#15

Acrylonitrile

Concen: 205.297 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.03 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

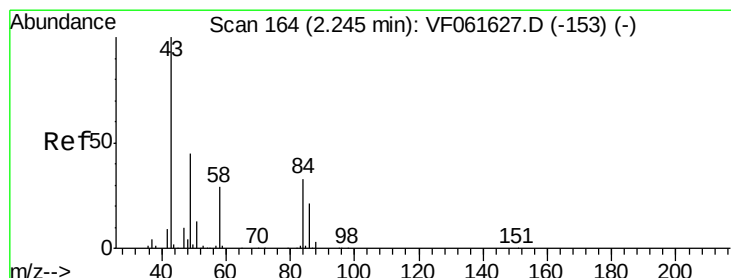
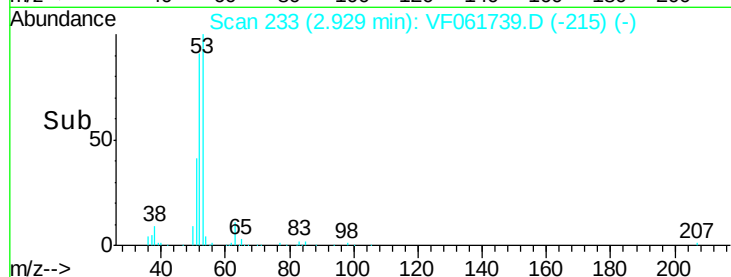
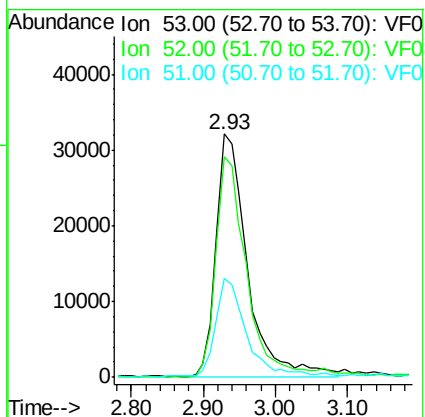
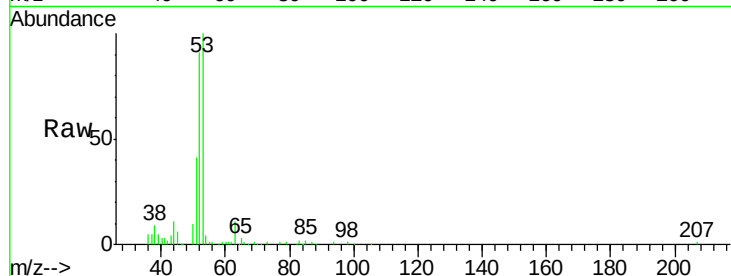
Tot Ion: 53 Resp: 97615

Ion Ratio Lower Upper

53 100

52 90.8 64.6 97.0

51 40.9 29.8 44.8



#16

Acetone

Concen: 230.042 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.02 min

Lab File: VF061739.D

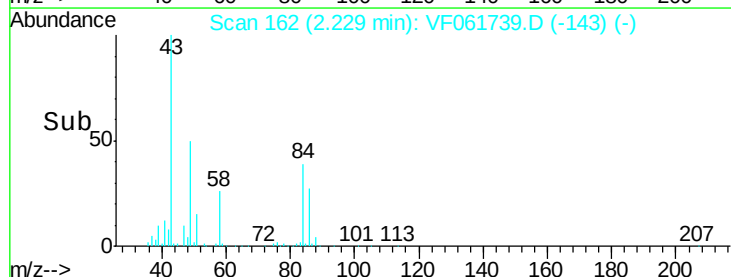
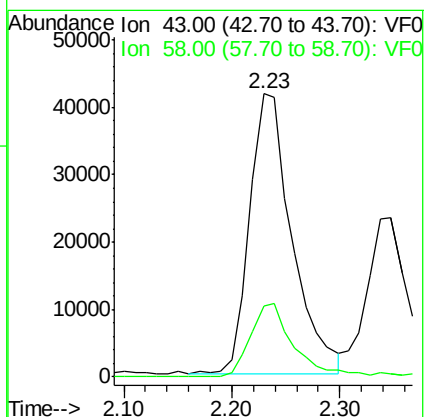
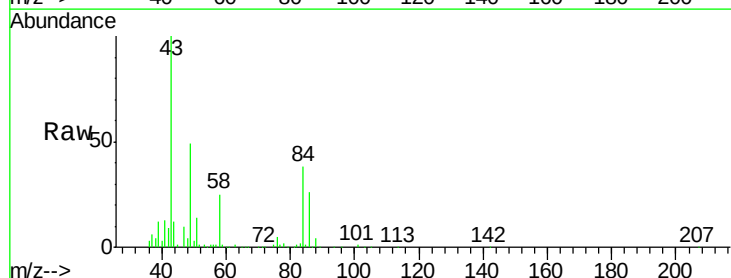
Acq: 25 Feb 2019 19:58

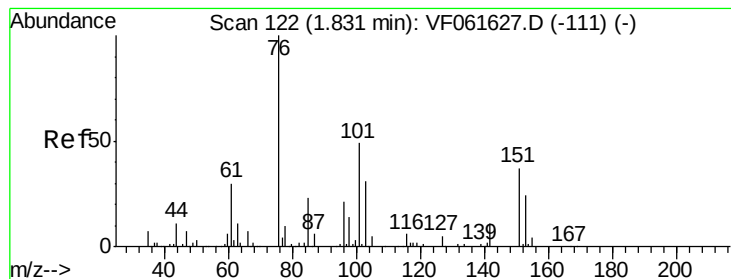
Tgt Ion: 43 Resp: 114323

Ion Ratio Lower Upper

43 100

58 25.1 22.9 34.3





#17

Carbon Disulfide

Concen: 48.919 ug/l

RT: 1.81 min Scan# 120

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

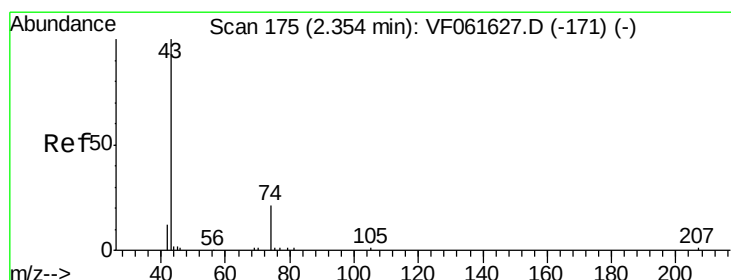
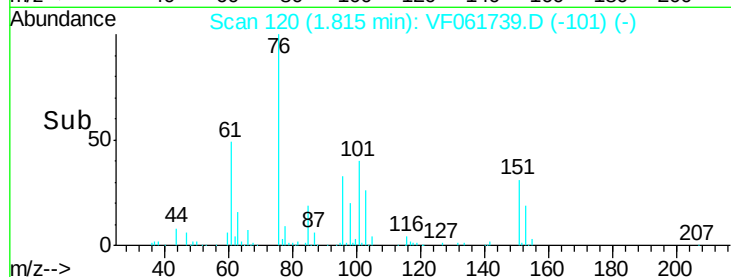
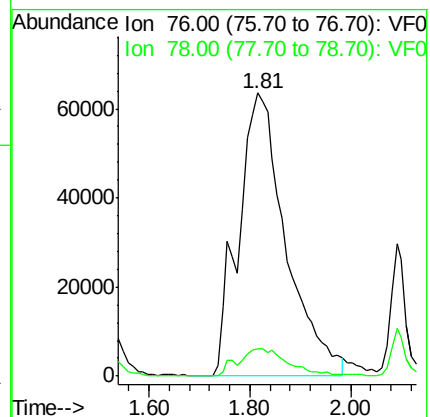
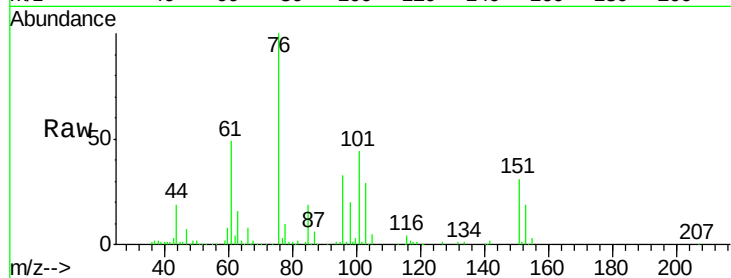
VSTDCCC050EC

Tot Ion: 76 Resp: 416194

Ion Ratio Lower Upper

76 100

78 9.5 7.9 11.9



#18

Methyl Acetate

Concen: 51.938 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.01 min

Lab File: VF061739.D

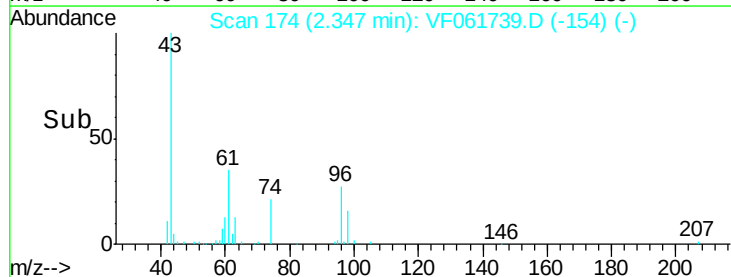
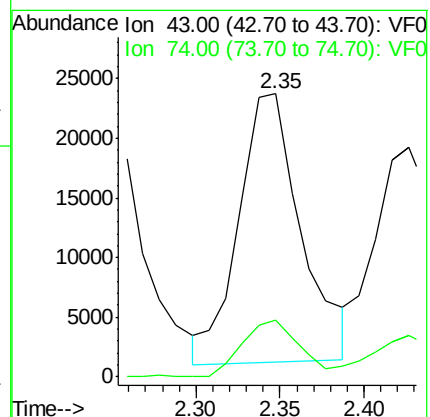
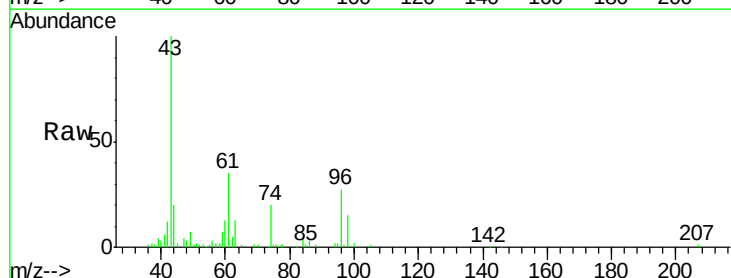
Acq: 25 Feb 2019 19:58

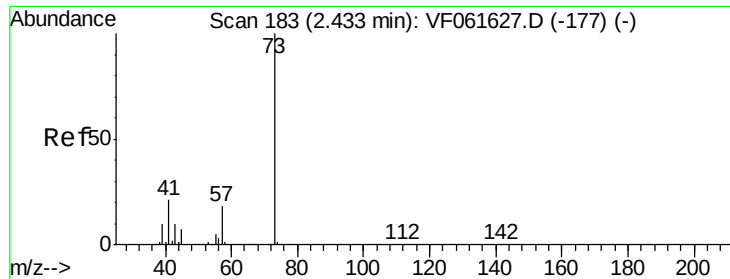
Tgt Ion: 43 Resp: 58147

Ion Ratio Lower Upper

43 100

74 20.0 14.6 21.8

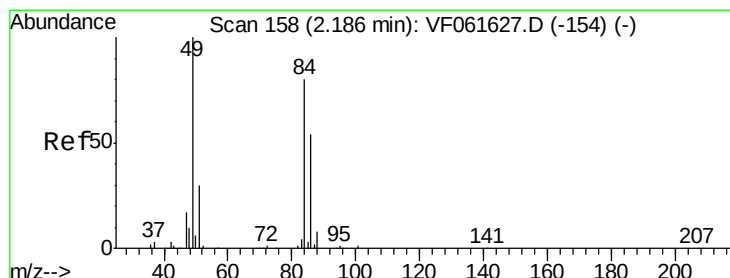
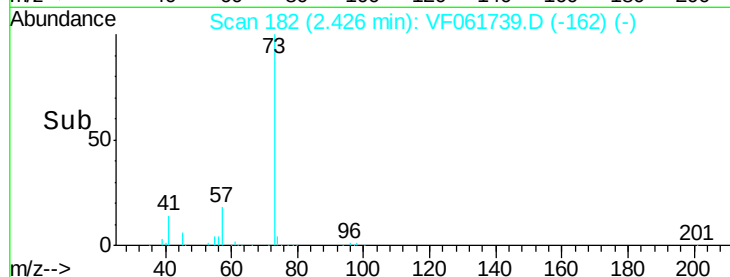
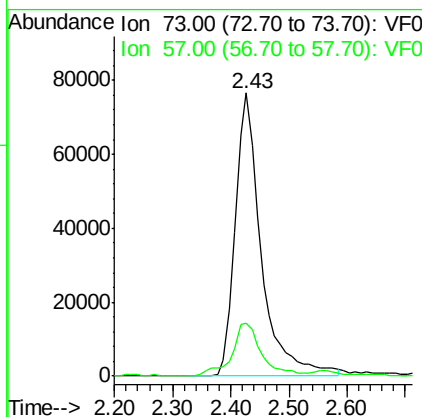
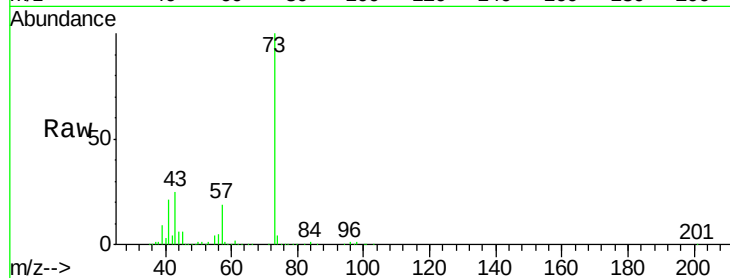




#19
Methyl tert-butyl Ether
Concen: 51.517 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

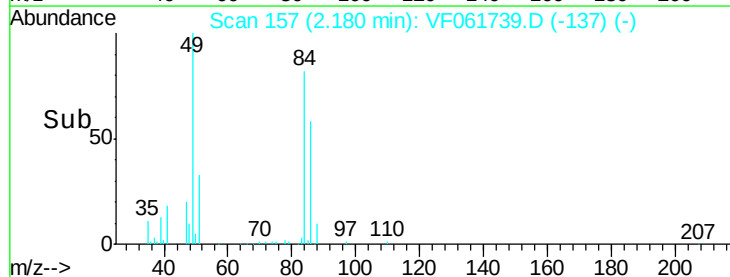
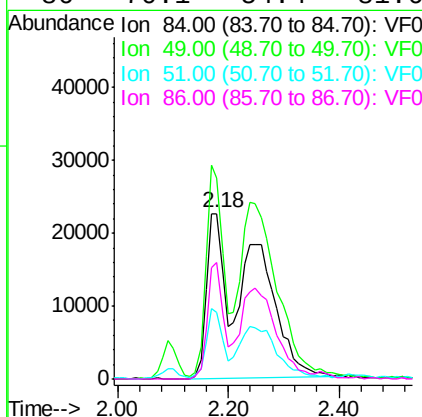
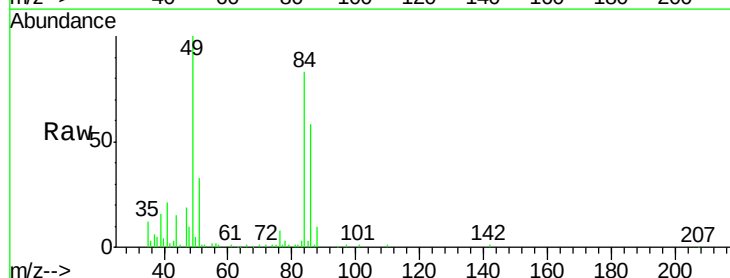
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

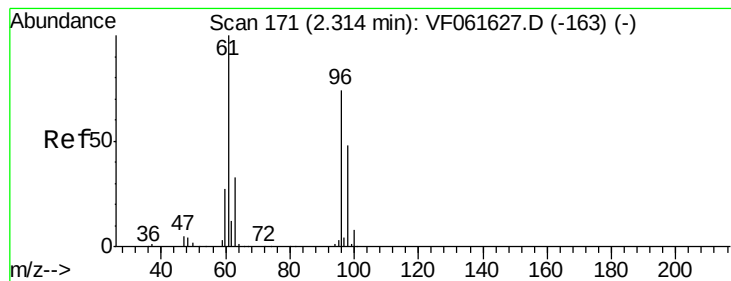
Tot Ion: 73 Resp: 238303
Ion Ratio Lower Upper
73 100
57 18.9 15.8 23.8



#20
Methylene Chloride
Concen: 50.379 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion: 84 Resp: 134108
Ion Ratio Lower Upper
84 100
49 121.1 101.8 152.8
51 40.3 31.1 46.7
86 70.1 54.4 81.6





#21

trans-1,2-Dichloroethene

Concen: 50.337 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

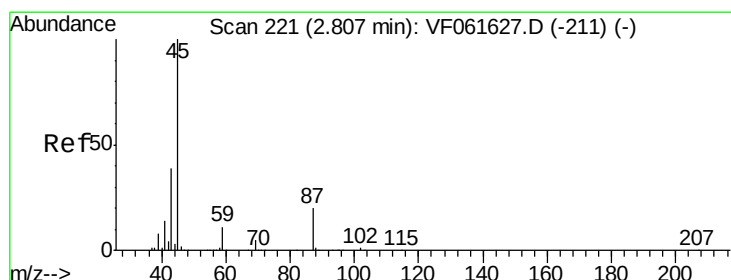
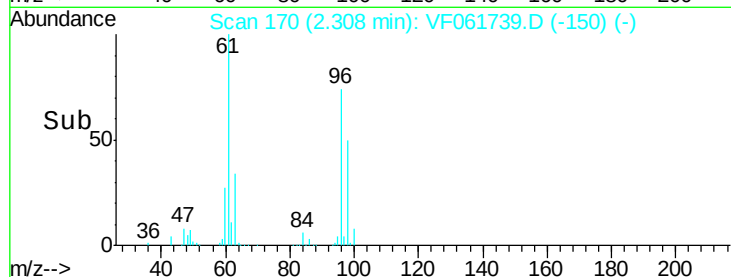
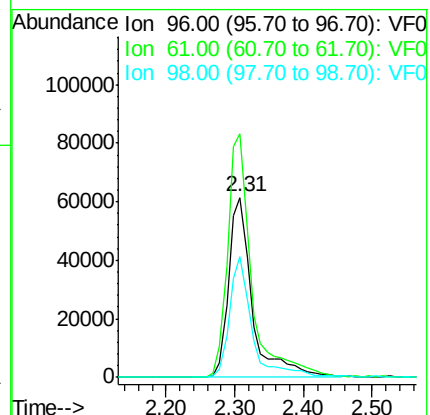
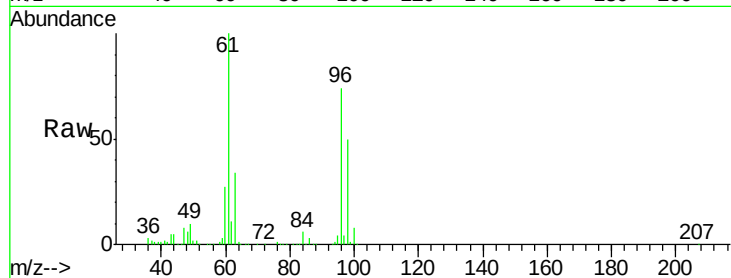
Tot Ion: 96 Resp: 148107

Ion Ratio Lower Upper

96 100

61 135.2 108.2 162.4

98 67.3 52.2 78.2



#22

Diisopropyl ether

Concen: 51.935 ug/l

RT: 2.79 min Scan# 219

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Tgt Ion: 45 Resp: 414057

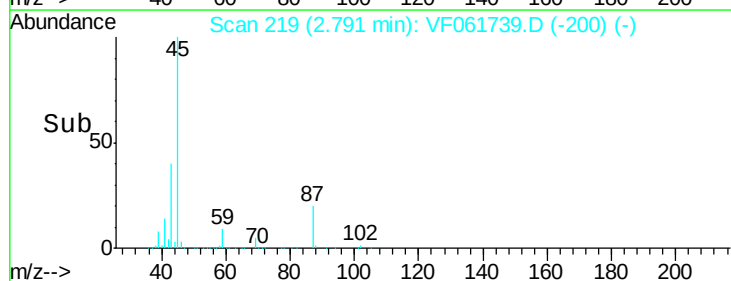
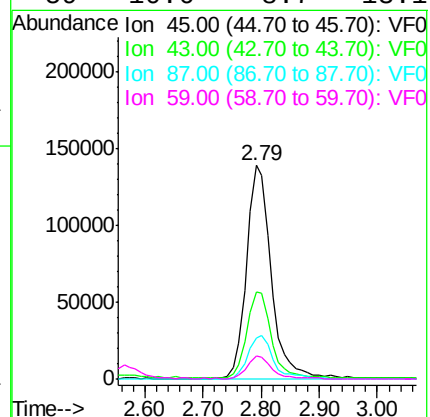
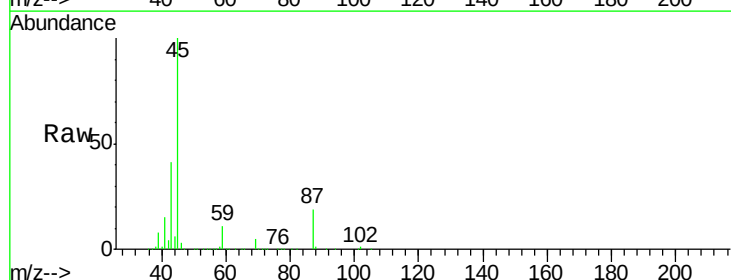
Ion Ratio Lower Upper

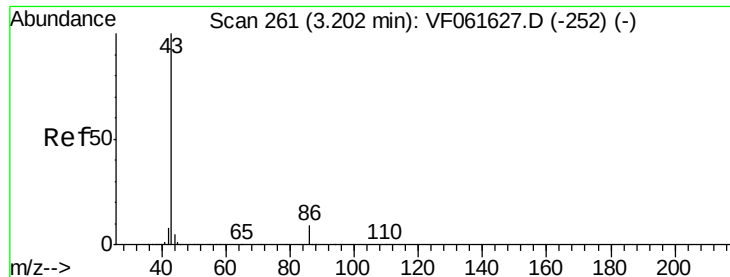
45 100

43 40.6 31.4 47.2

87 19.5 16.3 24.5

59 10.6 8.7 13.1





#23

Vinyl Acetate

Concen: 235.093 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

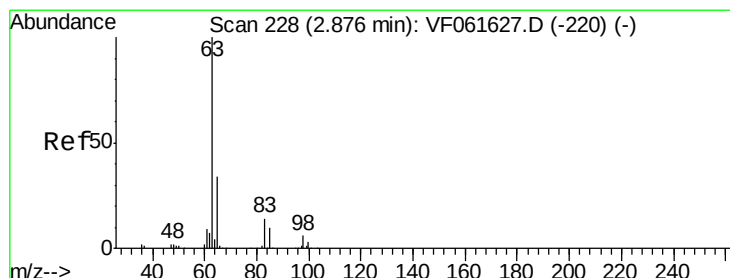
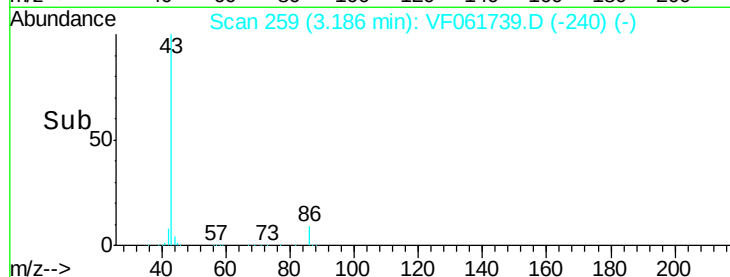
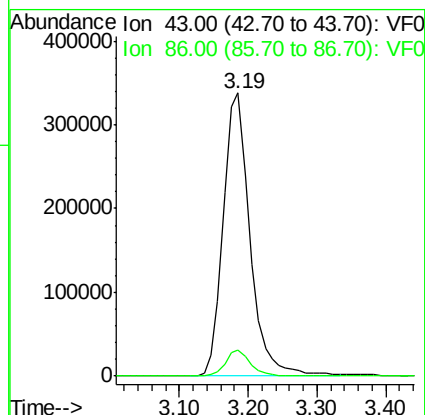
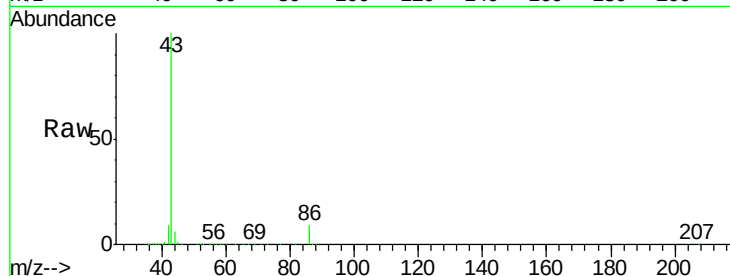
VSTDCCC050EC

Tot Ion: 43 Resp: 915462

Ion Ratio Lower Upper

43 100

86 9.0 7.5 11.3



#24

1,1-Dichloroethane

Concen: 51.228 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

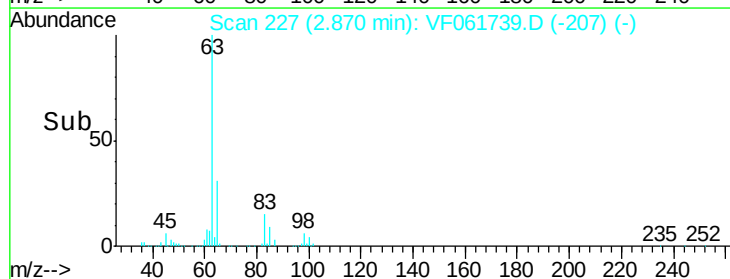
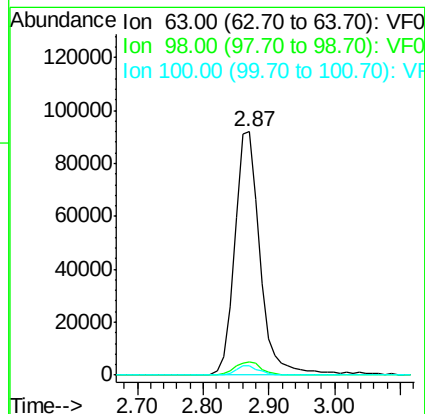
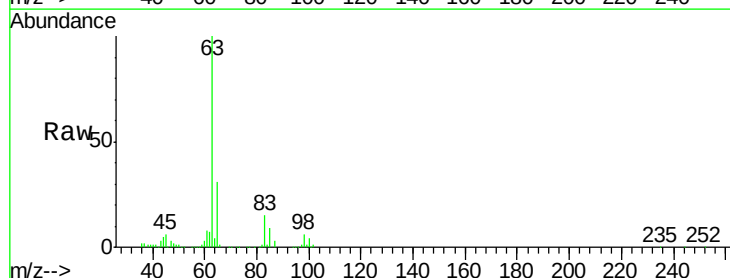
Tgt Ion: 63 Resp: 247163

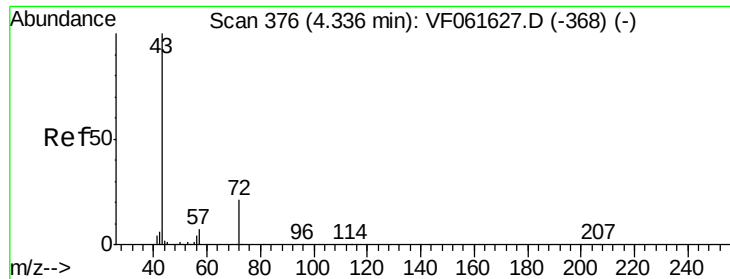
Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

100 3.9 1.8 5.4





#25

2-Butanone

Concen: 231.912 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

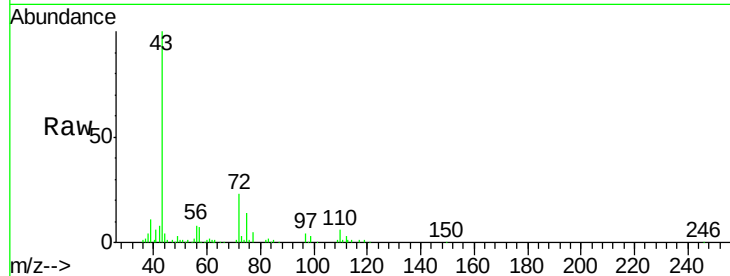
VSTDCCC050EC

Tot Ion: 43 Resp: 251748

Ion Ratio Lower Upper

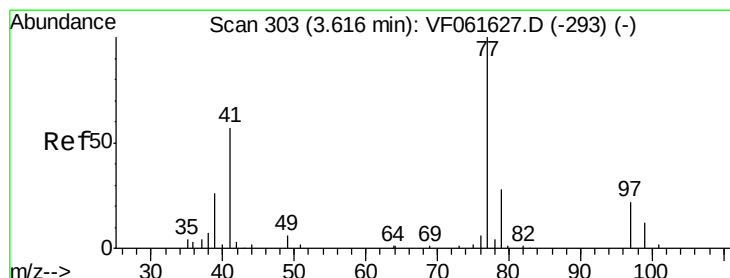
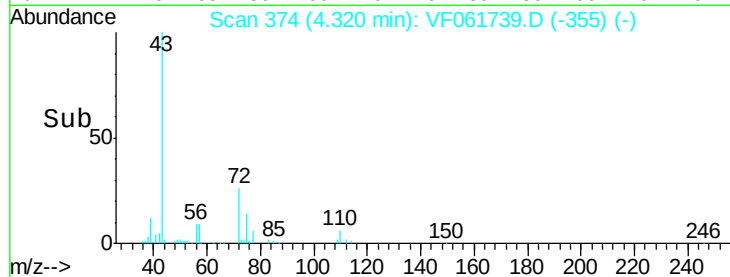
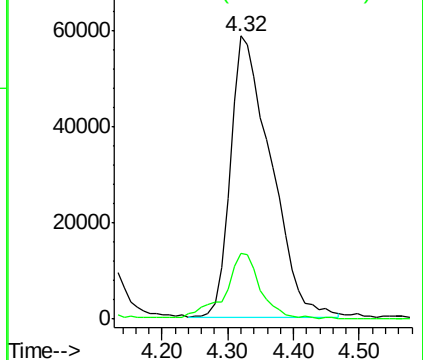
43 100

72 23.1 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 54.200 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF061739.D

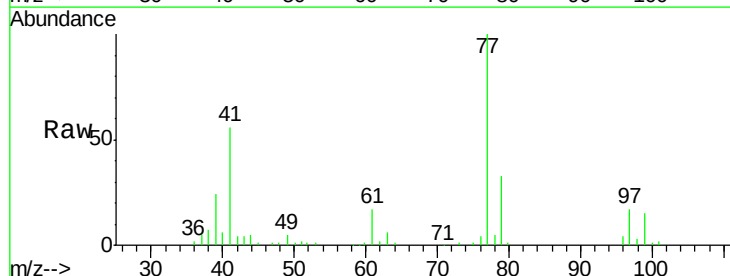
Acq: 25 Feb 2019 19:58

Tgt Ion: 77 Resp: 110767

Ion Ratio Lower Upper

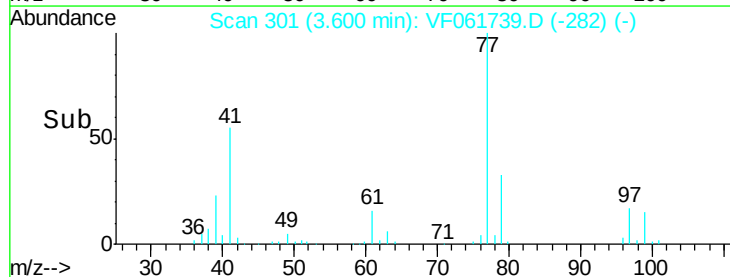
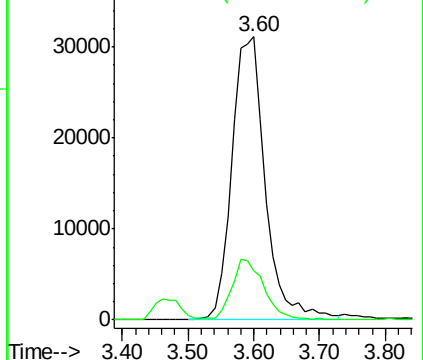
77 100

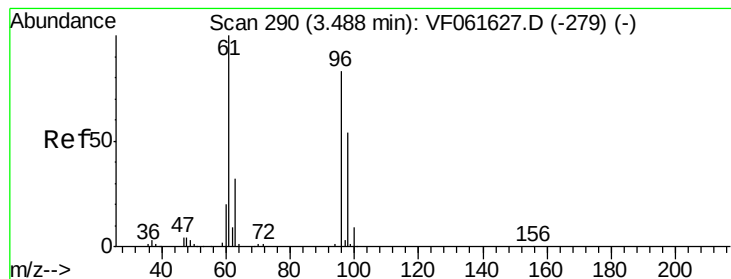
97 17.5 11.7 35.0



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



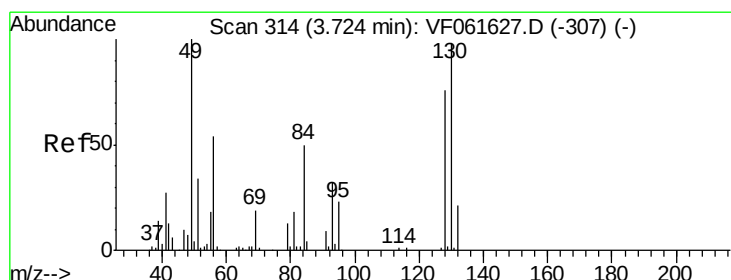
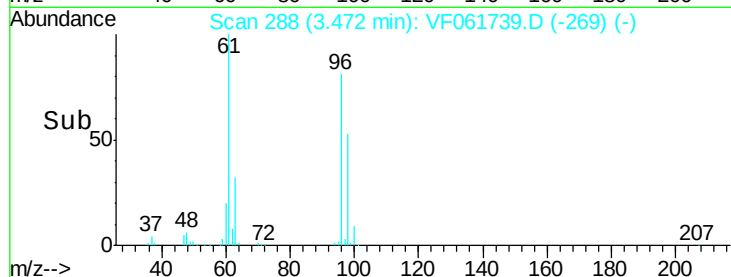
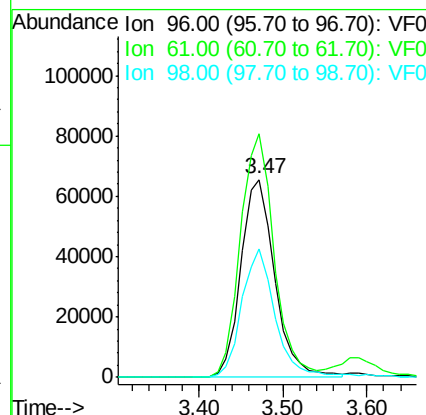
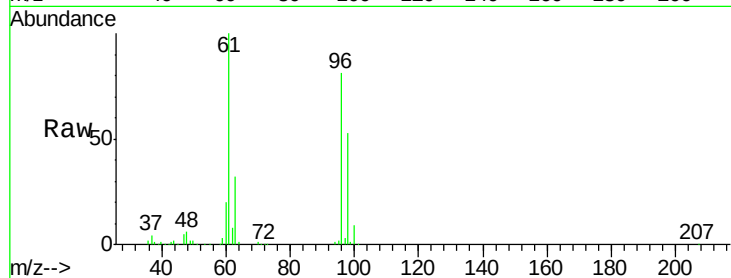


#27

cis-1,2-Dichloroethene
 Concen: 48.048 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

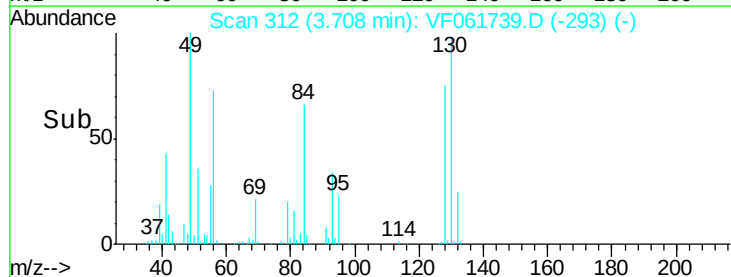
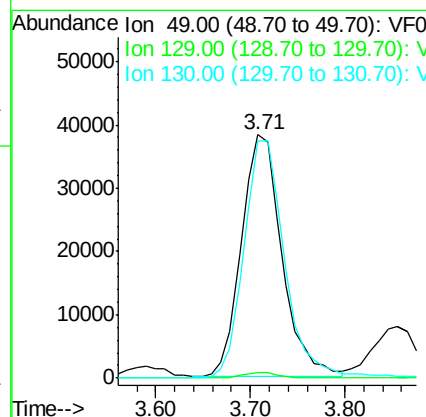
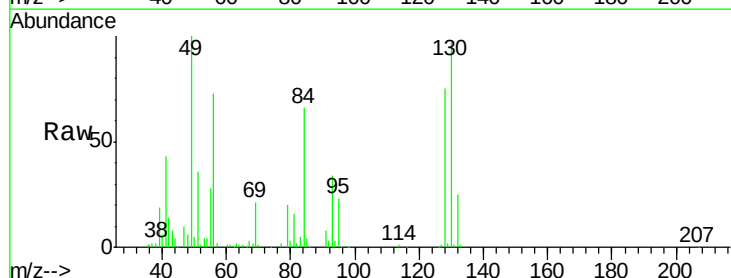
Tot Ion: 96 Resp: 185561
 Ion Ratio Lower Upper
 96 100
 61 123.3 0.0 241.6
 98 65.0 0.0 130.2

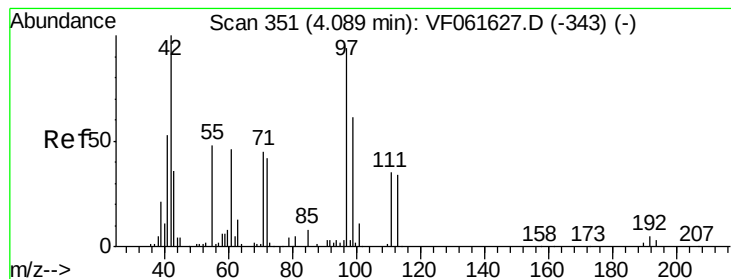


#28

Bromochloromethane
 Concen: 49.231 ug/l
 RT: 3.71 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion: 49 Resp: 113967
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 3.4
 130 97.3 77.7 116.5





#29

Tetrahydrofuran

Concen: 218.149 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.03 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

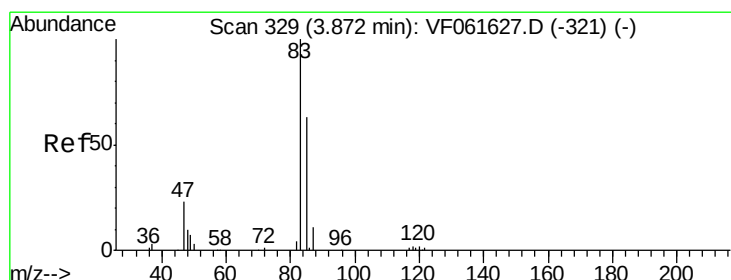
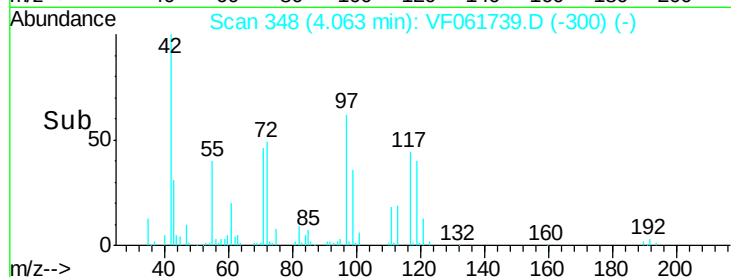
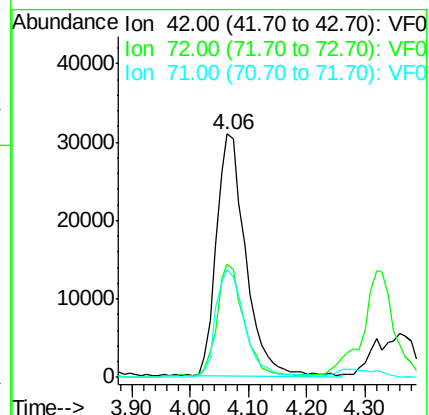
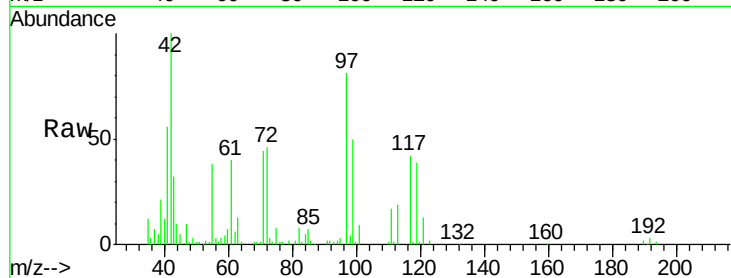
Tot Ion: 42 Resp: 107631

Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

71 44.4 32.9 49.3



#30

Chloroform

Concen: 52.401 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF061739.D

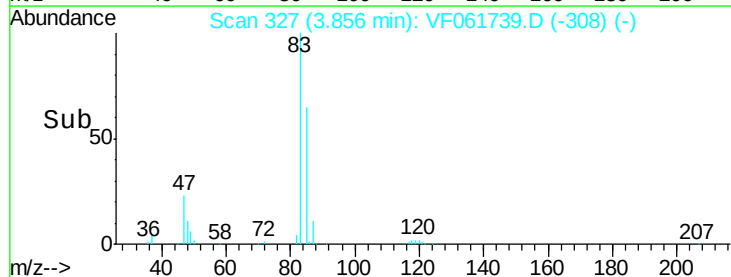
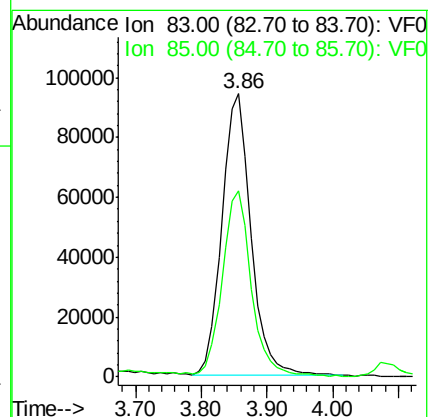
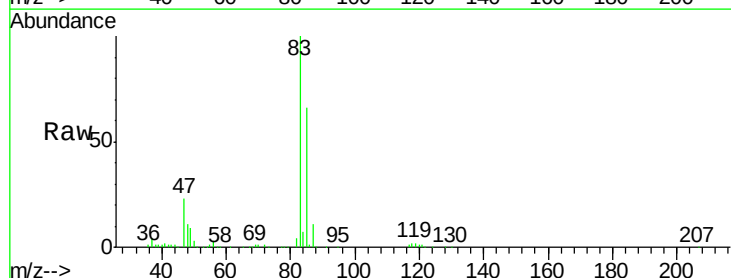
Acq: 25 Feb 2019 19:58

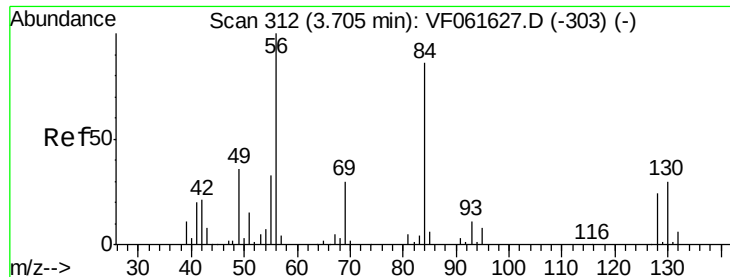
Tgt Ion: 83 Resp: 287513

Ion Ratio Lower Upper

83 100

85 66.0 51.1 76.7

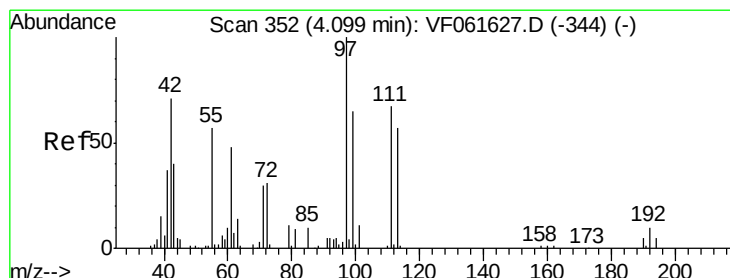
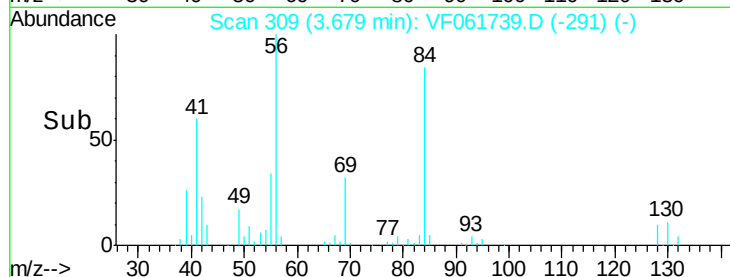
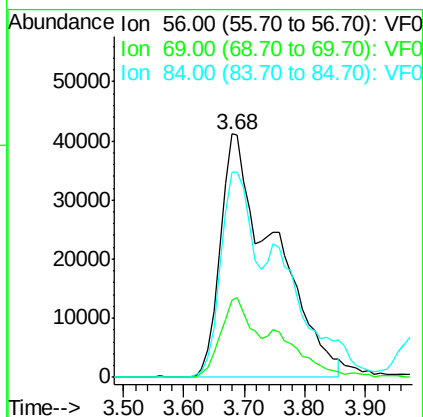
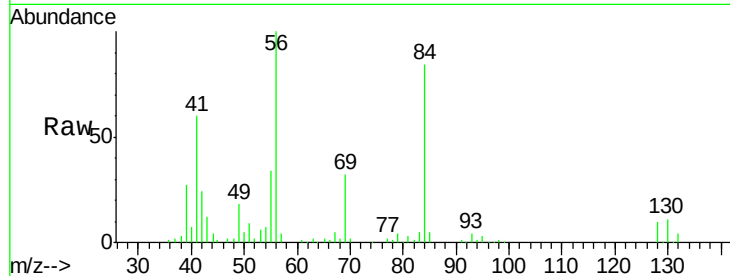




#31
Cyclohexane
Concen: 48.801 ug/l m
RT: 3.68 min Scan# 309
Delta R.T. -0.03 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

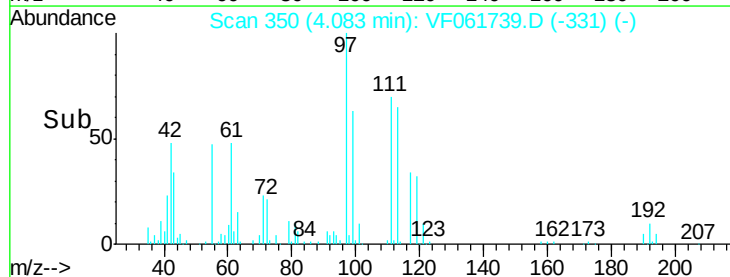
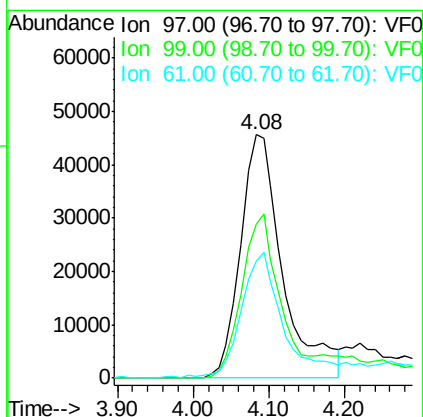
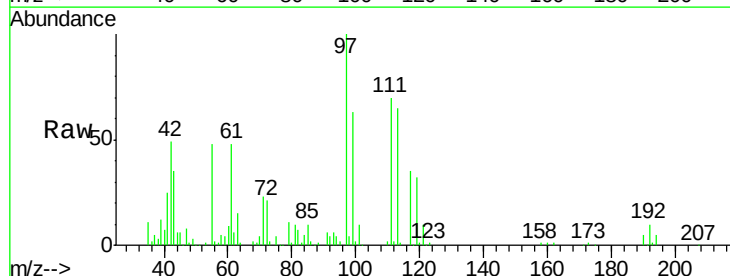
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

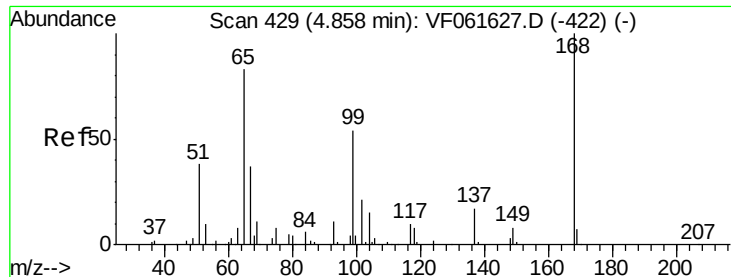
Tot Ion: 56 Resp: 254886
Ion Ratio Lower Upper
56 100
69 31.8 23.8 35.8
84 84.2 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 49.527 ug/l
RT: 4.08 min Scan# 350
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion: 97 Resp: 178012
Ion Ratio Lower Upper
97 100
99 63.2 52.2 78.2
61 47.9 39.2 58.8

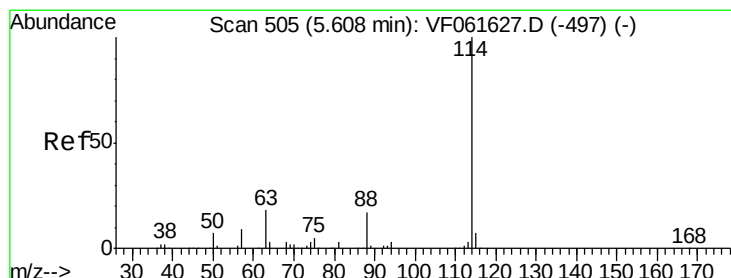
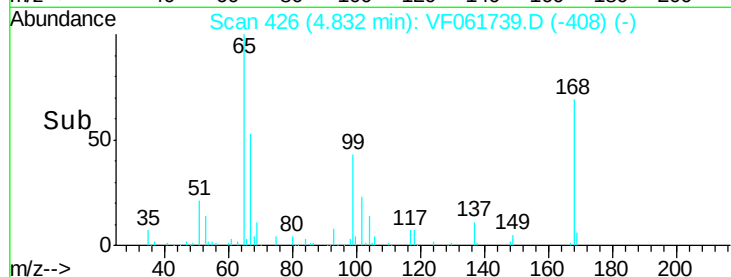
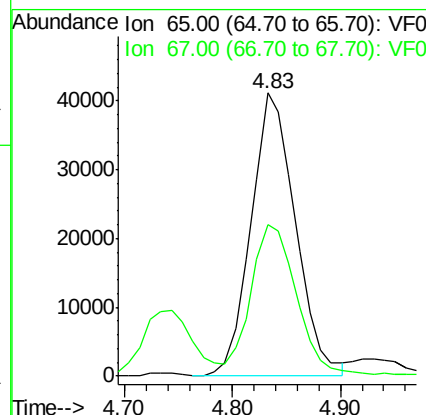
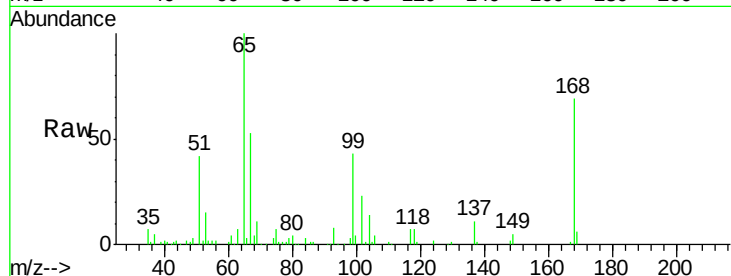




#33
 1,2-Dichloroethane-d4
 Concen: 50.820 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.03 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

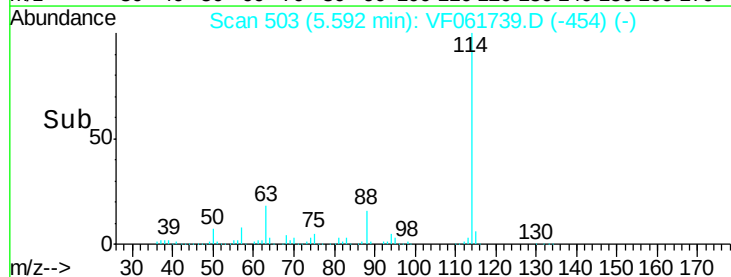
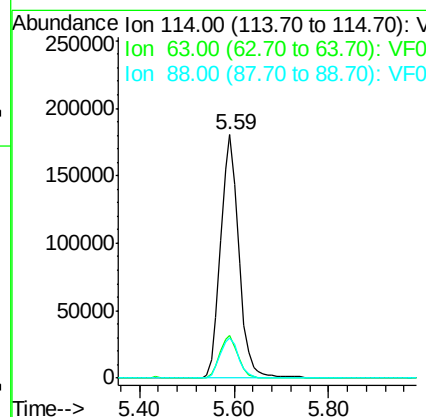
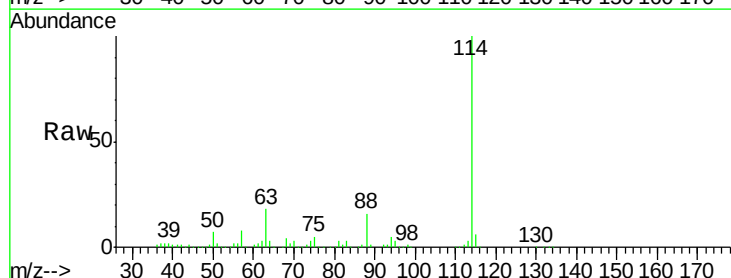
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

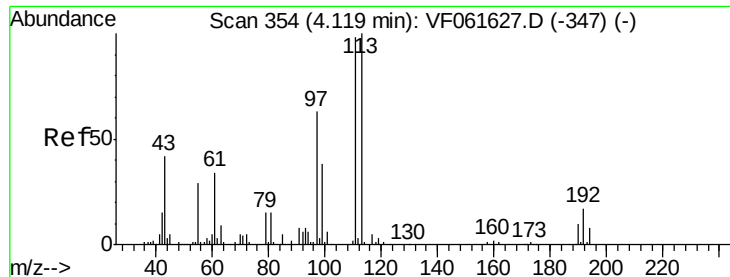
Tot Ion: 65 Resp: 117713
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion: 114 Resp: 483735
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 36.6
 88 16.3 0.0 34.4

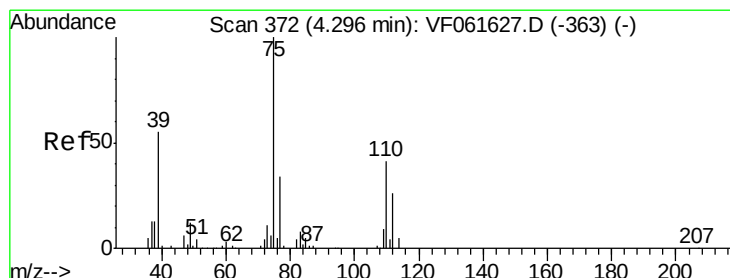
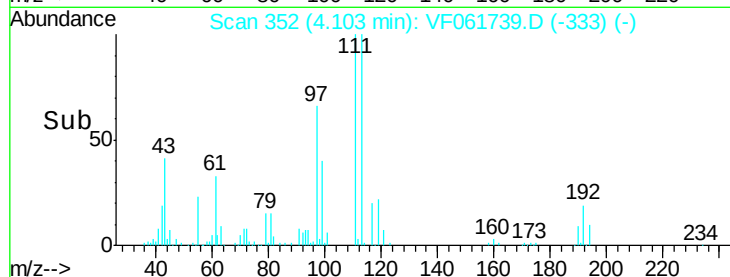
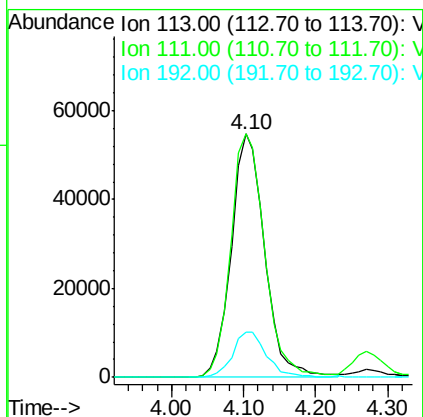
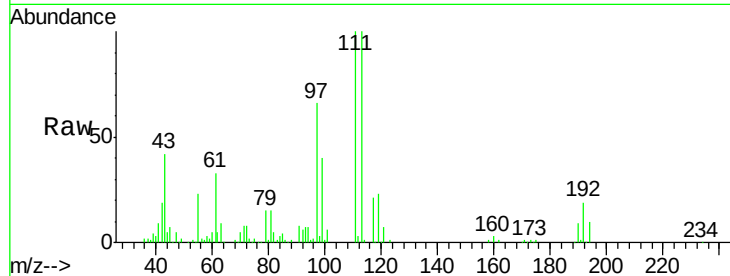




#35
 Dibromofluoromethane
 Concen: 49.246 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

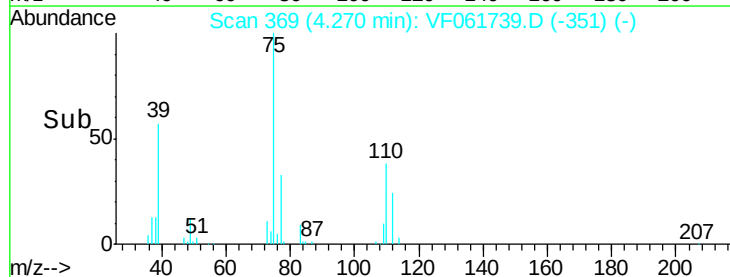
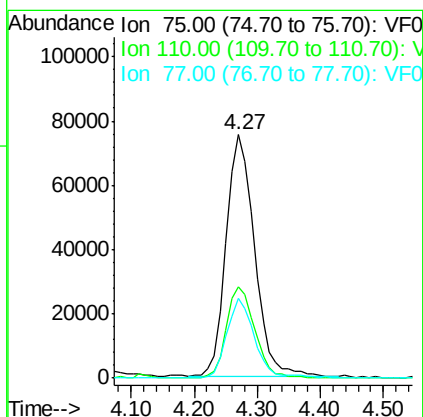
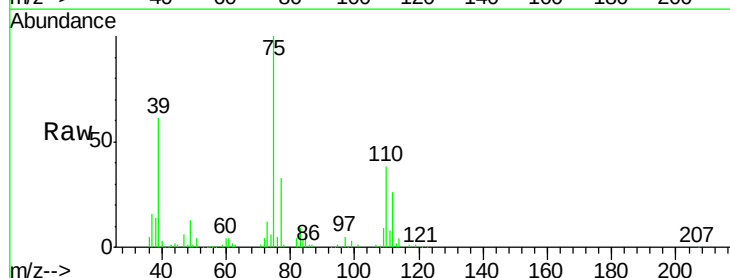
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

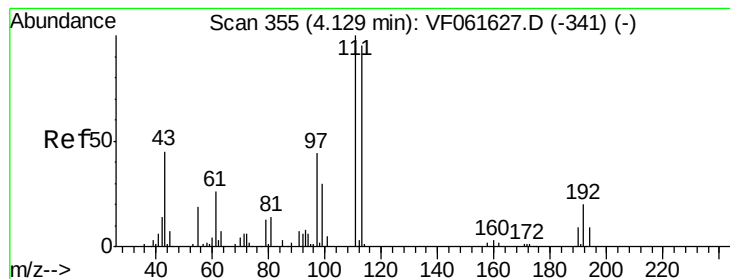
Tot Ion:113 Resp: 176905
 Ion Ratio Lower Upper
 113 100
 111 100.0 78.8 118.2
 192 19.2 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 49.436 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.03 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion: 75 Resp: 236895
 Ion Ratio Lower Upper
 75 100
 110 37.6 20.5 61.6
 77 32.8 27.0 40.4





#37

Ethyl Acetate

Concen: 42.023 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.03 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

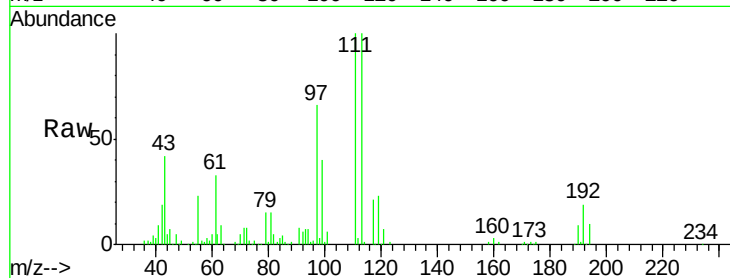
Tot Ion: 43 Resp: 93532

Ion Ratio Lower Upper

43 100

61 78.6 45.7 68.5#

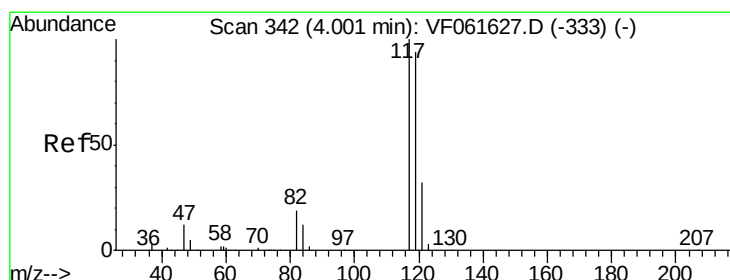
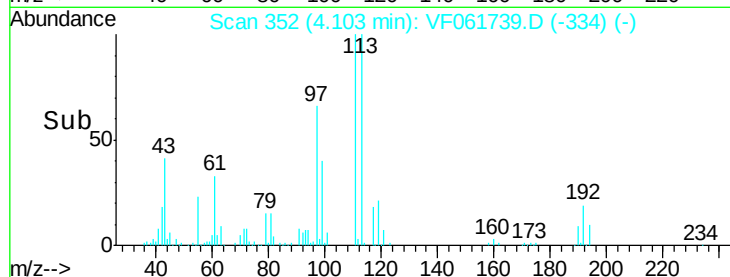
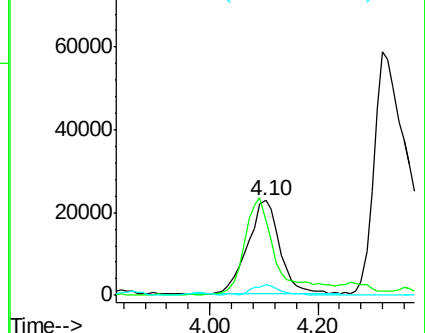
70 11.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 52.177 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

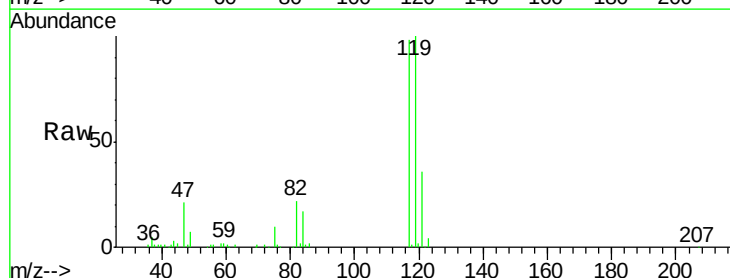
Tgt Ion: 117 Resp: 172649

Ion Ratio Lower Upper

117 100

119 102.1 75.6 113.4

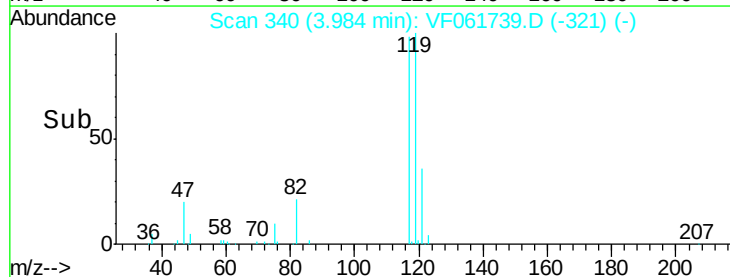
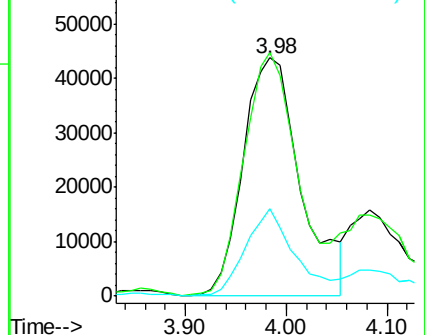
121 36.4 25.2 37.8

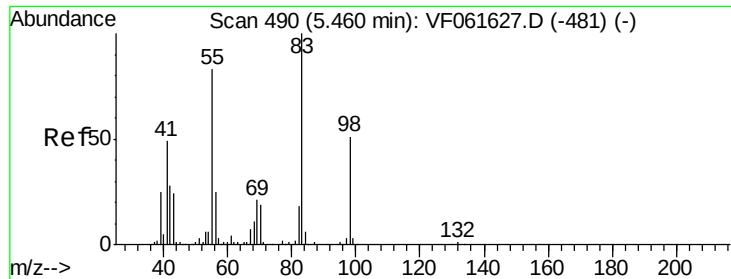


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

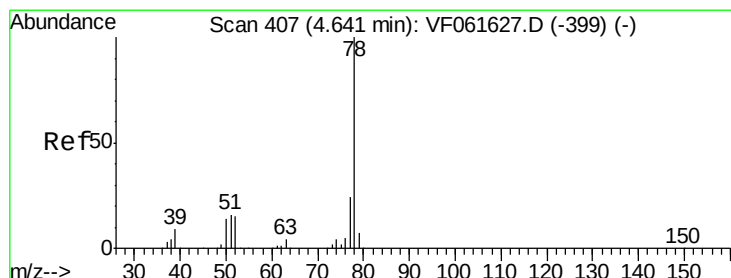
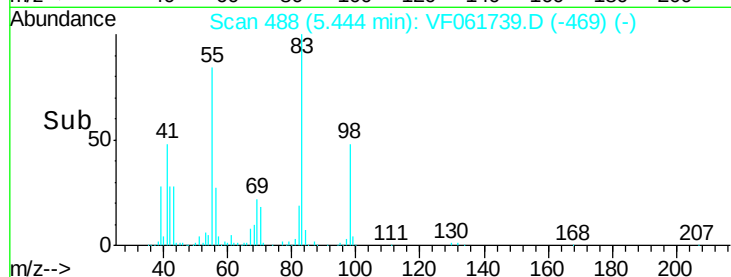
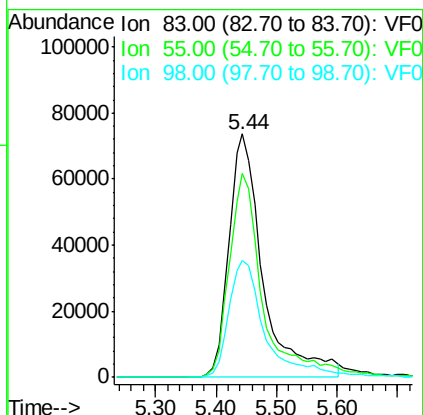
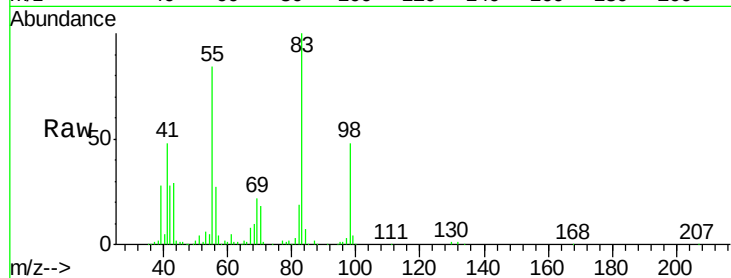




#39
Methylvlcyclohexane
Concen: 51.045 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

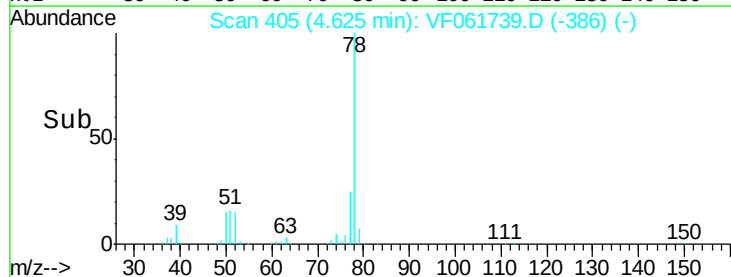
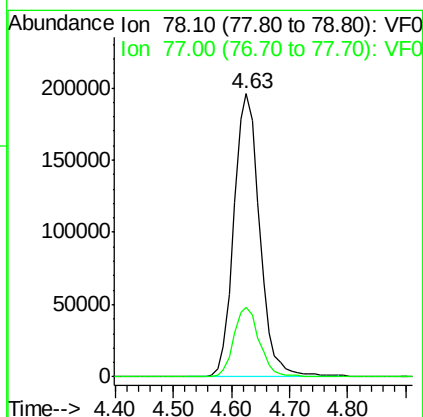
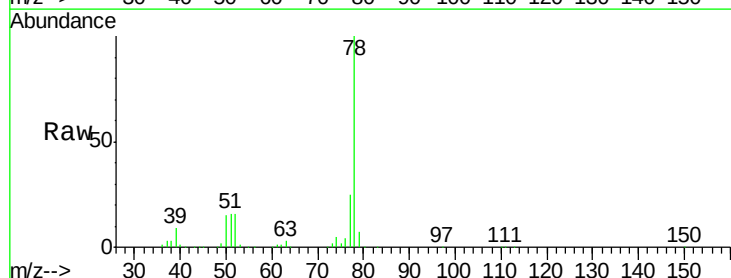
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

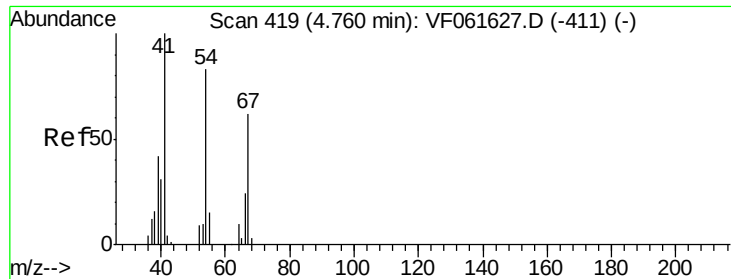
Tot Ion: 83 Resp: 289288
Ion Ratio Lower Upper
83 100
55 83.6 66.6 99.8
98 47.9 40.4 60.6



#40
Benzene
Concen: 48.212 ug/l
RT: 4.63 min Scan# 405
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion: 78 Resp: 604294
Ion Ratio Lower Upper
78 100
77 24.6 19.0 28.6





#41

Methacrylonitrile

Concen: 44.049 ug/l

RT: 4.74 min Scan# 417

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 50139

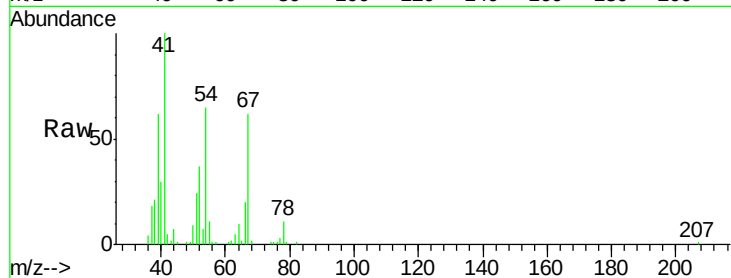
Ion Ratio Lower Upper

41 100

39 61.8 45.3 67.9

67 62.1 49.3 73.9

52 37.1 32.6 49.0

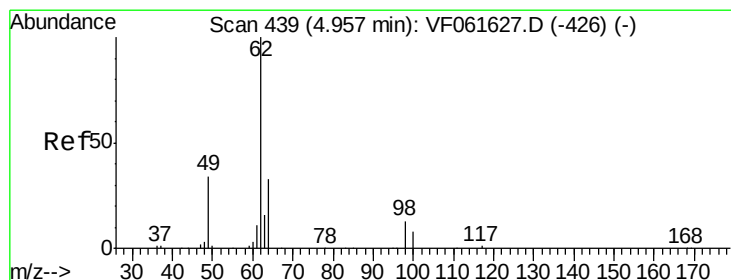
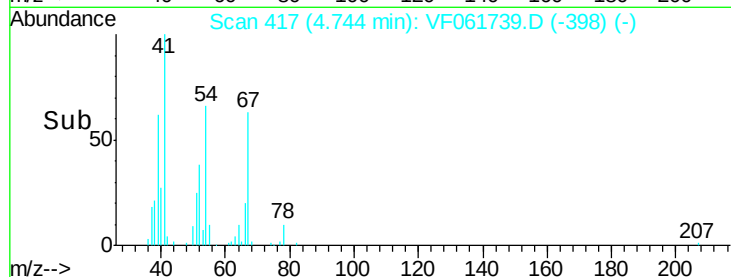
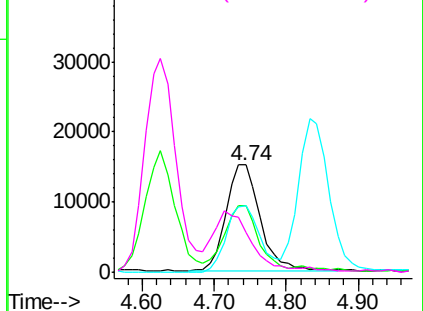


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 50.711 ug/l

RT: 4.93 min Scan# 436

Delta R.T. -0.03 min

Lab File: VF061739.D

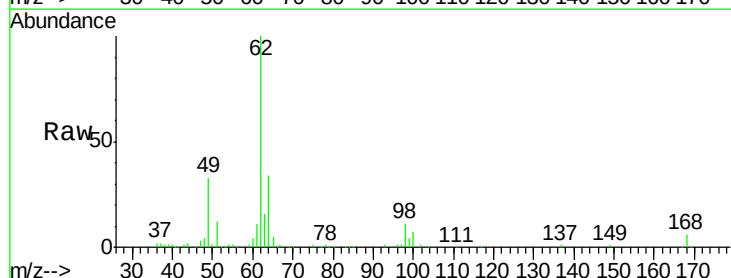
Acq: 25 Feb 2019 19:58

Tgt Ion: 62 Resp: 152043

Ion Ratio Lower Upper

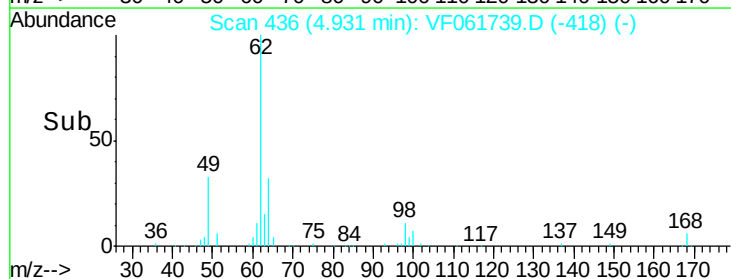
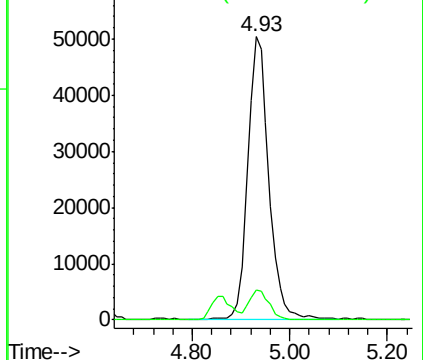
62 100

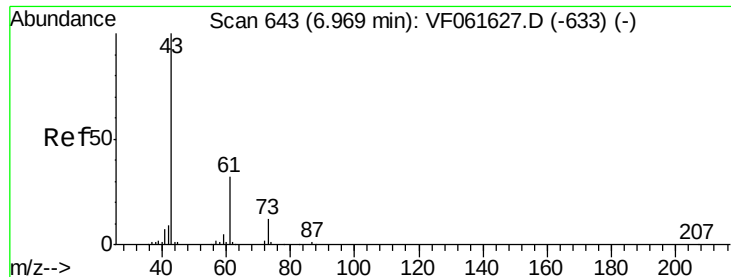
98 10.7 0.0 26.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 41.431 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

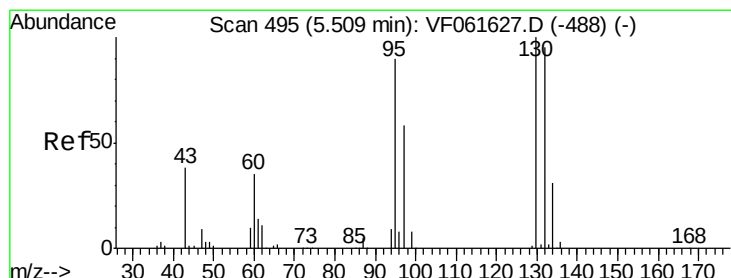
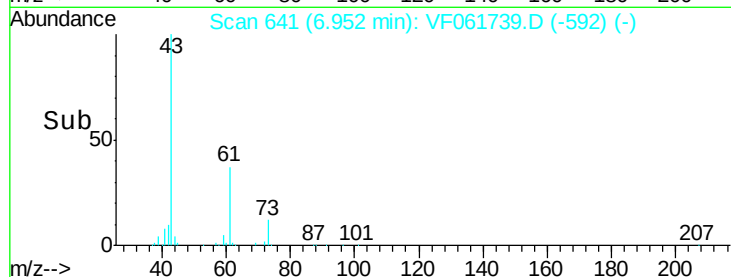
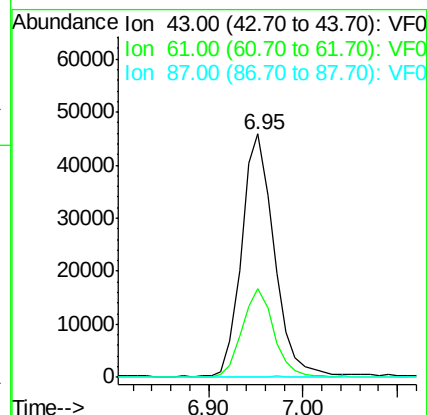
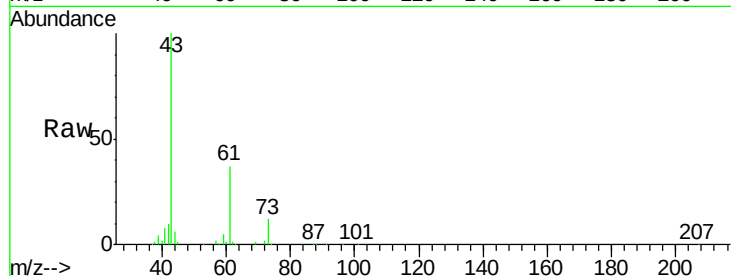
Tot Ion: 43 Resp: 109155

Ion Ratio Lower Upper

43 100

61 36.7 25.8 38.6

87 0.2 0.4 0.6#



#44

Trichloroethene

Concen: 48.685 ug/l

RT: 5.49 min Scan# 493

Delta R.T. -0.02 min

Lab File: VF061739.D

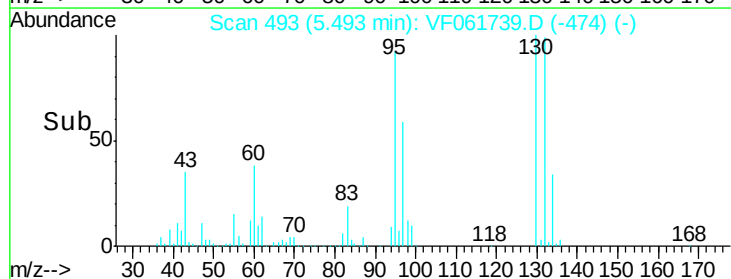
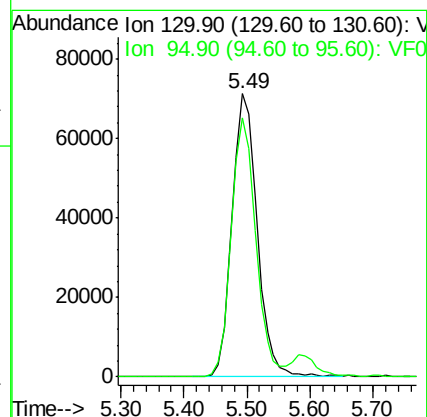
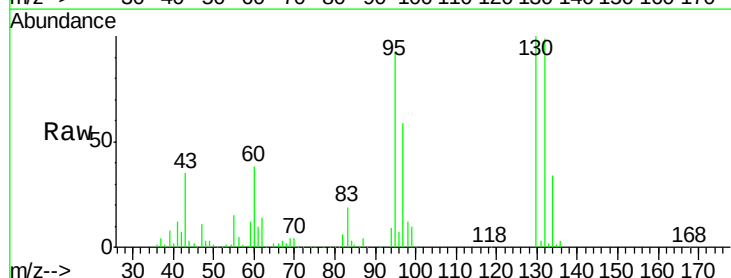
Acq: 25 Feb 2019 19:58

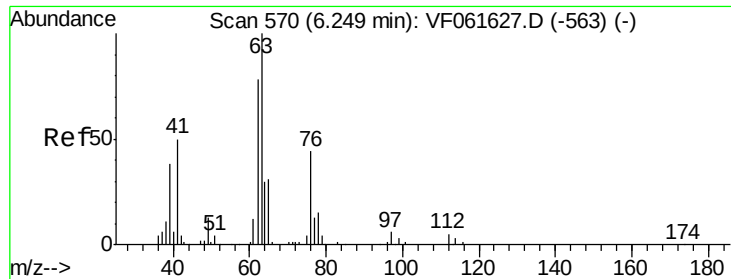
Tgt Ion: 130 Resp: 197335

Ion Ratio Lower Upper

130 100

95 91.6 0.0 179.4

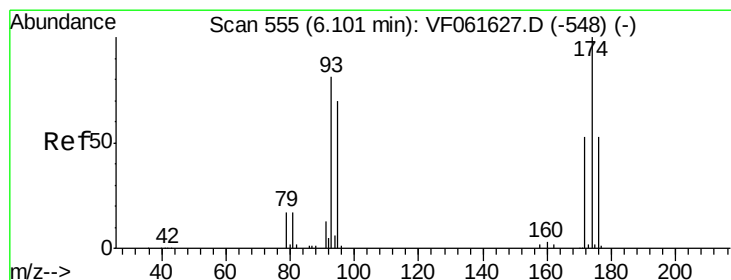
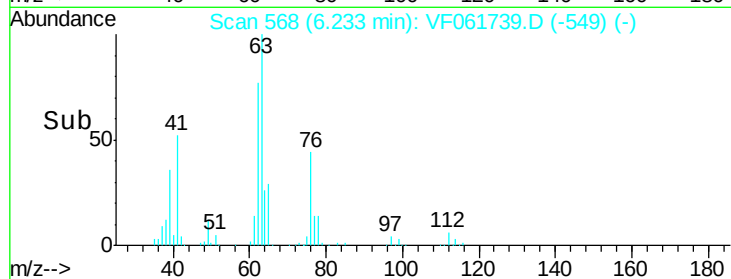
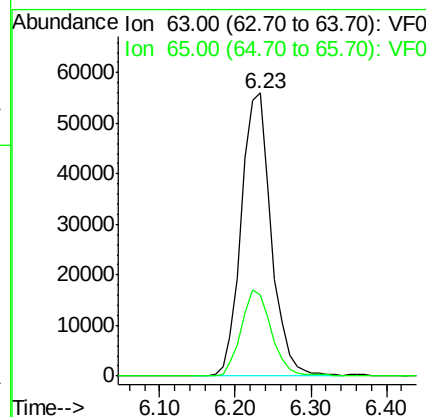
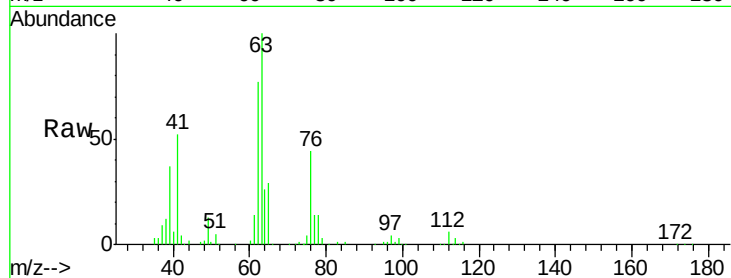




#45
 1,2-Dichloropropane
 Concen: 50.630 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

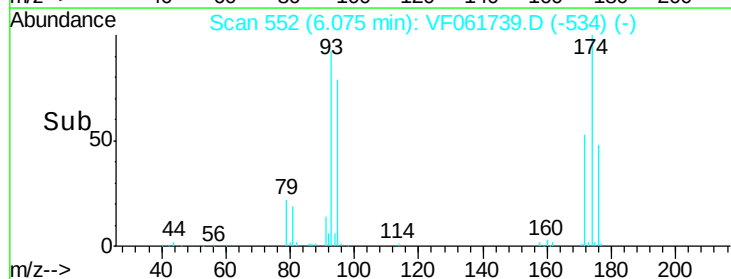
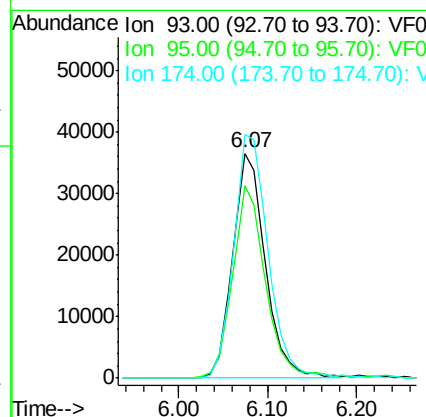
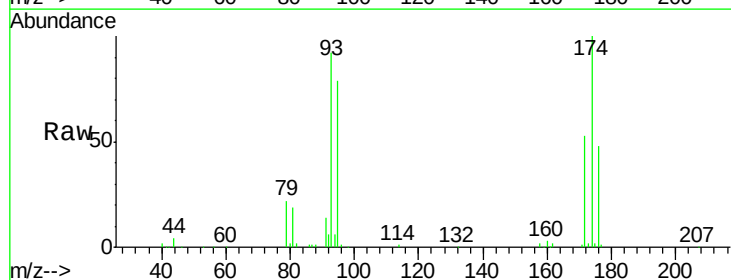
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

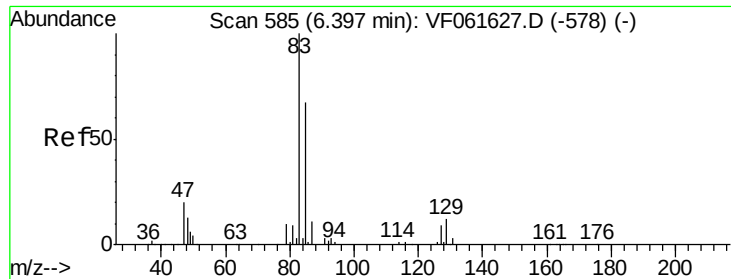
Tot Ion: 63 Resp: 153395
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.9 37.3



#46
 Dibromomethane
 Concen: 50.454 ug/l
 RT: 6.07 min Scan# 552
 Delta R.T. -0.03 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion: 93 Resp: 94119
 Ion Ratio Lower Upper
 93 100
 95 85.9 69.0 103.6
 174 108.4 99.3 148.9





#47

Bromodichloromethane

Concen: 50.316 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

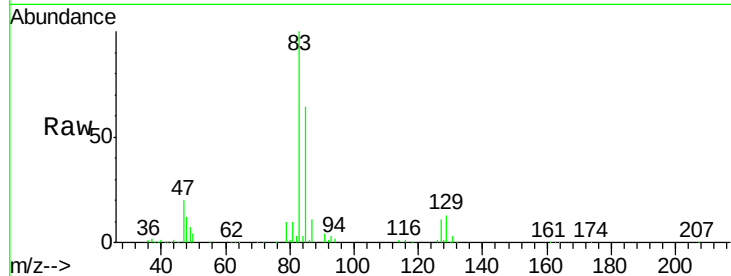
Tot Ion: 83 Resp: 205544

Ion Ratio Lower Upper

83 100

85 64.2 53.4 80.2

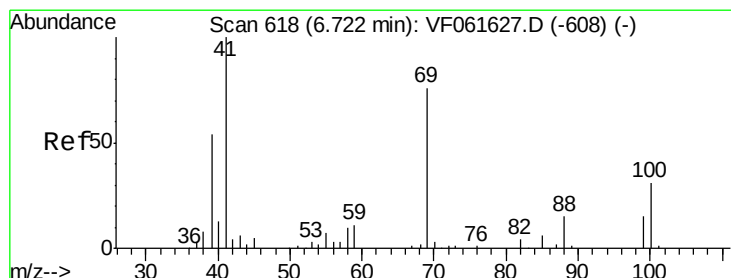
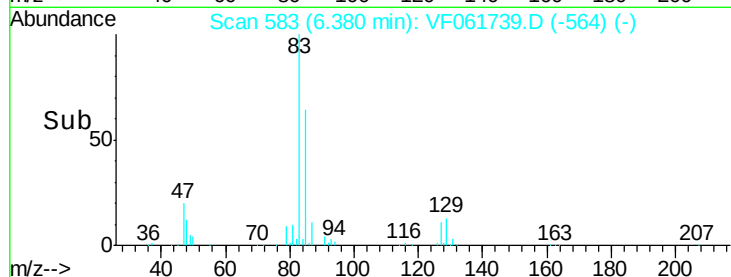
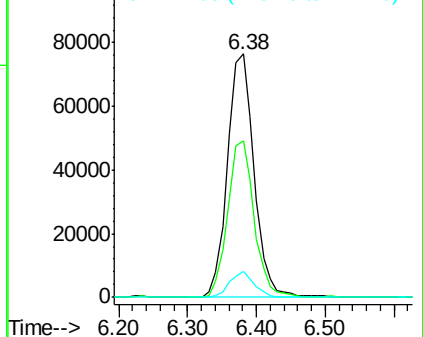
127 10.6 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 46.716 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

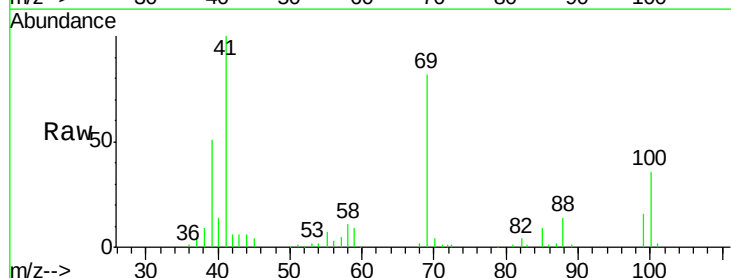
Tgt Ion: 41 Resp: 74067

Ion Ratio Lower Upper

41 100

69 81.5 60.4 90.6

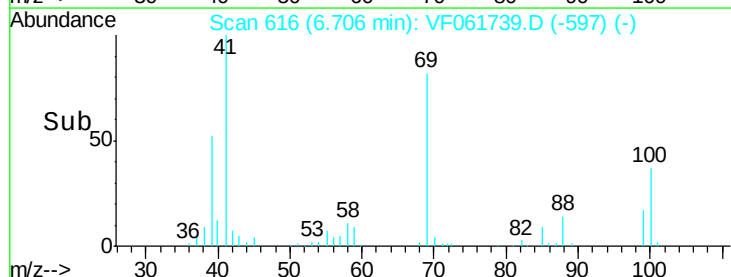
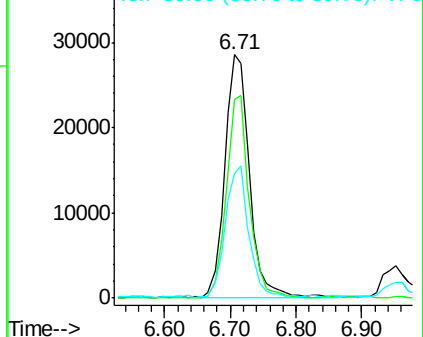
39 51.0 43.7 65.5

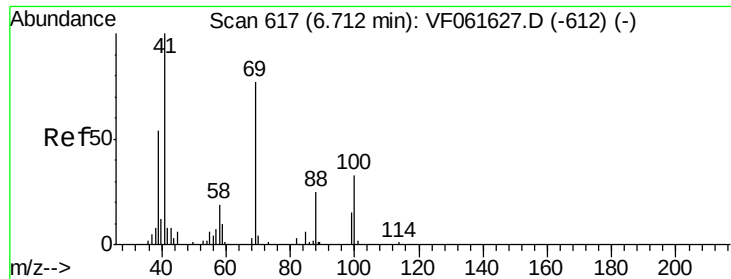


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

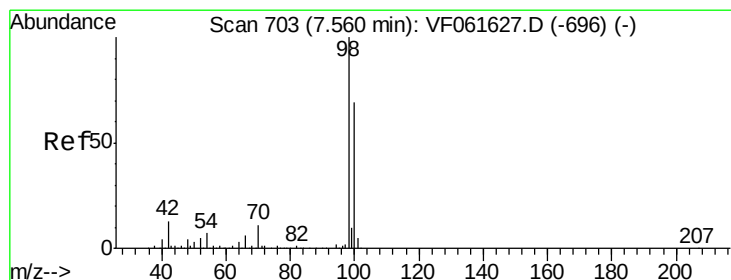
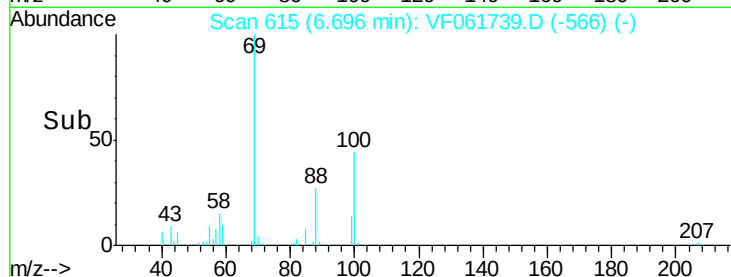
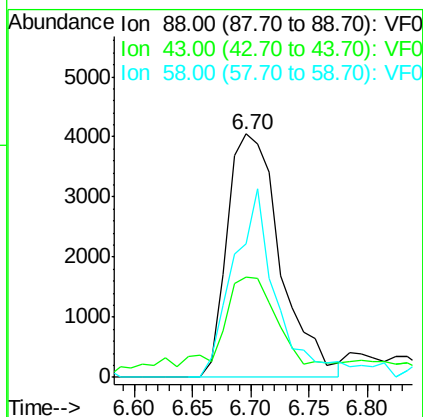
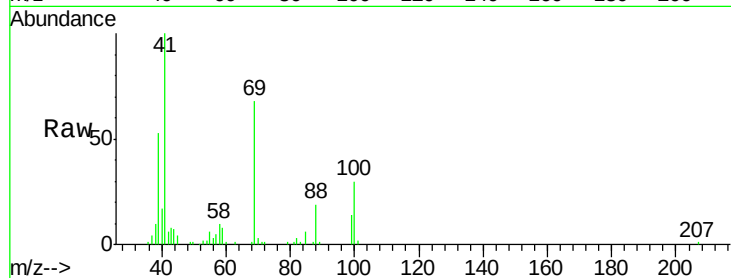




#49
 1,4-Dioxane
 Concen: 861.833 ug/l
 RT: 6.70 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

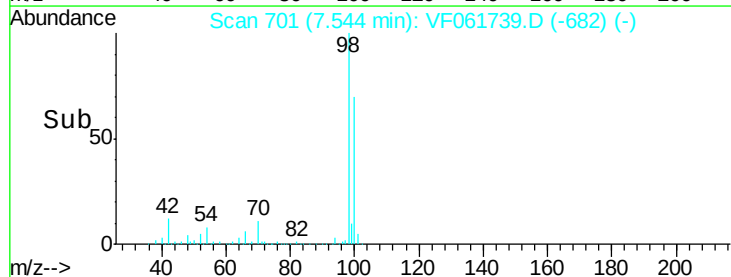
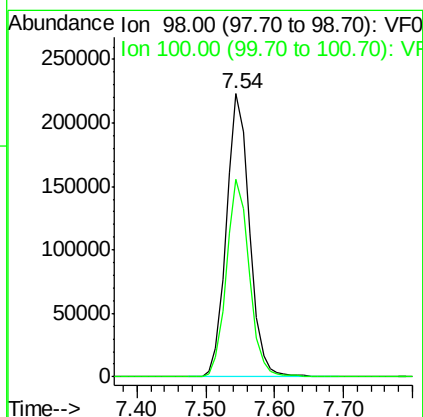
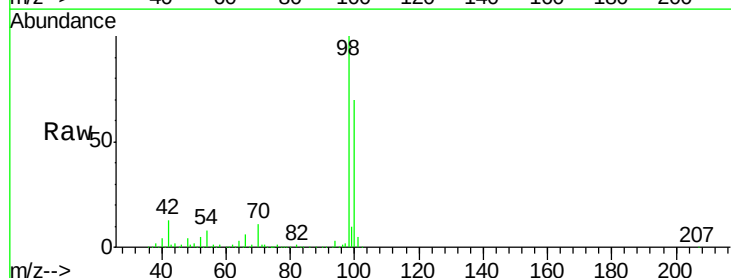
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

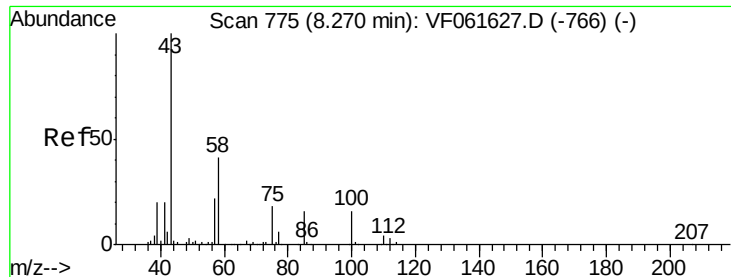
Tot Ion: 88 Resp: 12845
 Ion Ratio Lower Upper
 88 100
 43 41.2 32.3 48.5
 58 54.9 59.4 89.2#



#50
 Toluene-d8
 Concen: 50.203 ug/l
 RT: 7.54 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion: 98 Resp: 518436
 Ion Ratio Lower Upper
 98 100
 100 69.6 55.4 83.2





#51

4-Methyl-2-Pentanone

Concen: 216.799 ug/l

RT: 8.24 min Scan# 772

Delta R.T. -0.03 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

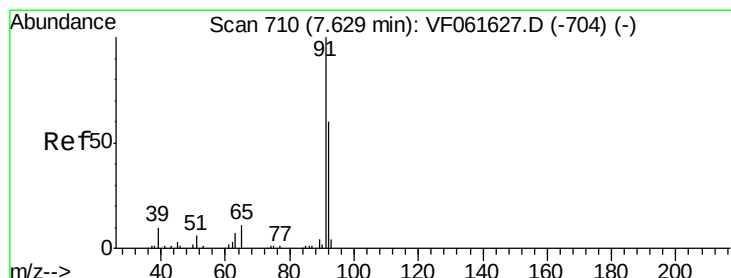
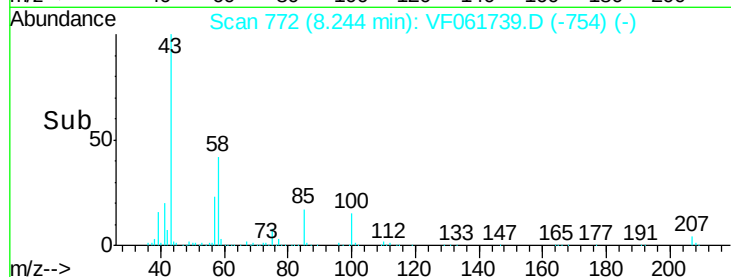
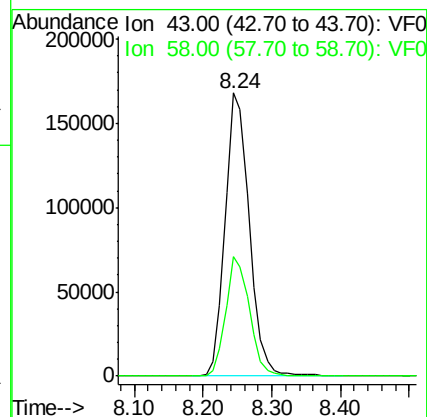
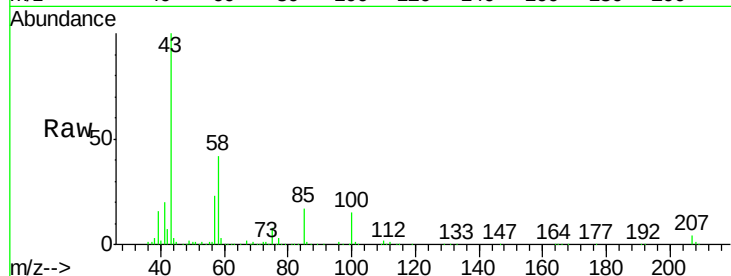
VSTDCCC050EC

Tot Ion: 43 Resp: 408126

Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7



#52

Toluene

Concen: 48.273 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061739.D

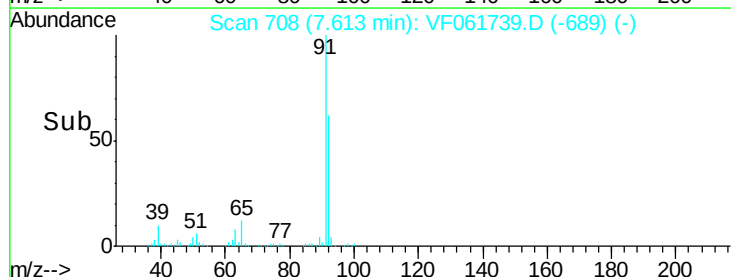
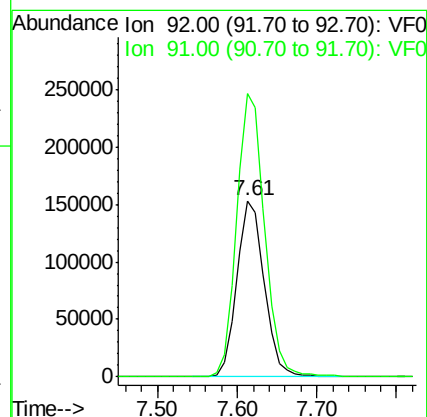
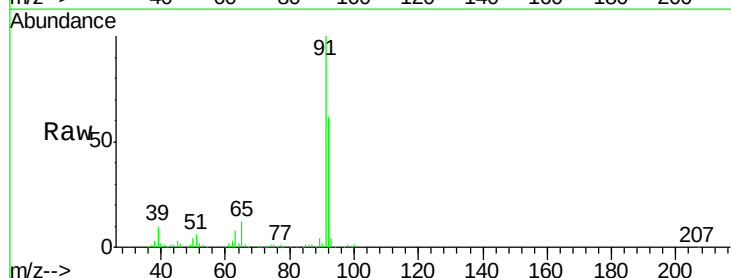
Acq: 25 Feb 2019 19:58

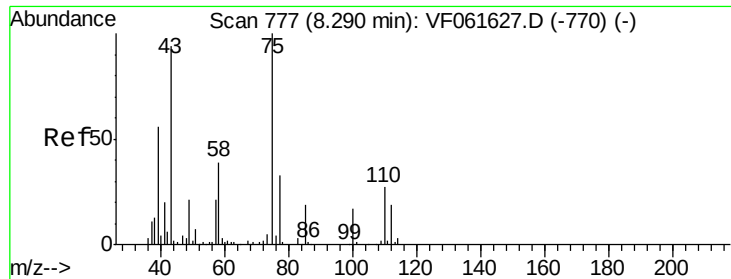
Tgt Ion: 92 Resp: 366958

Ion Ratio Lower Upper

92 100

91 160.8 133.9 200.9





#53

t-1,3-Dichloropropene

Concen: 49.322 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

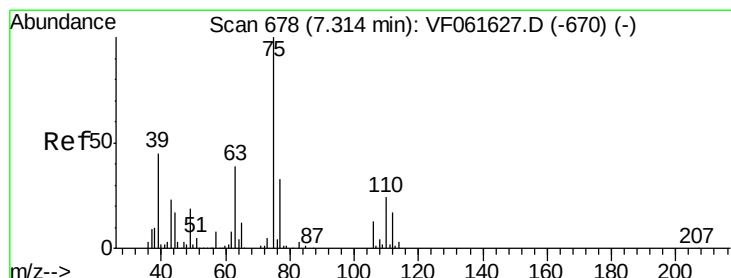
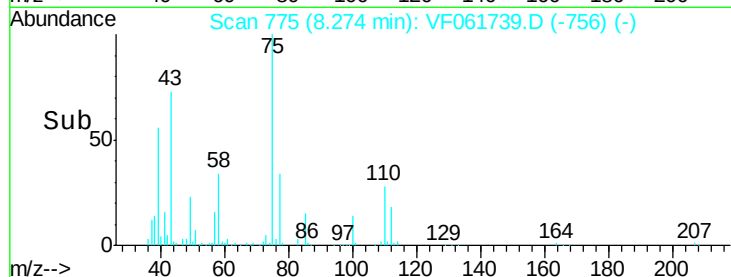
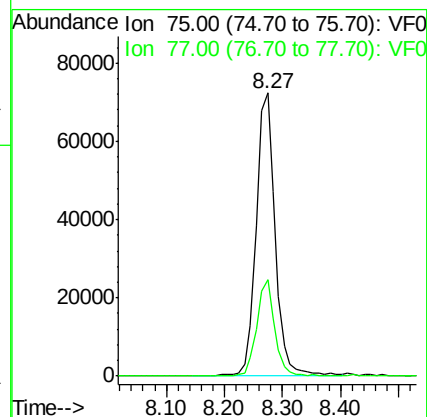
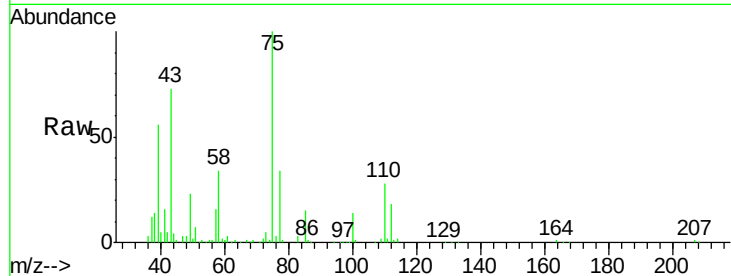
VSTDCCC050EC

Tot Ion: 75 Resp: 167687

Ion Ratio Lower Upper

75 100

77 34.1 26.2 39.2



#54

cis-1,3-Dichloropropene

Concen: 53.024 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

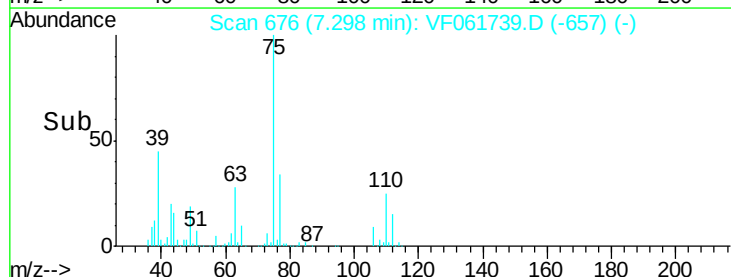
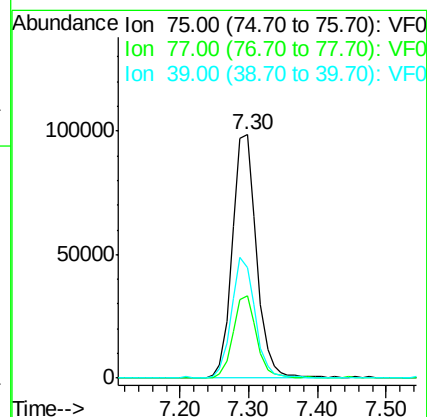
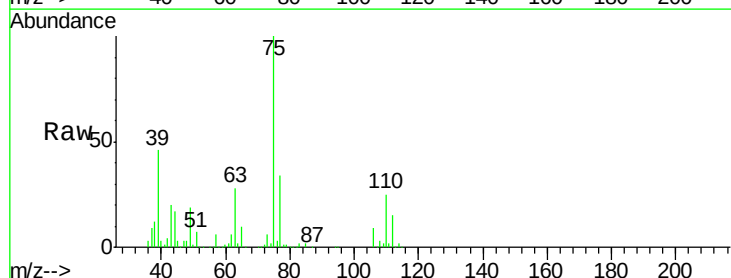
Tgt Ion: 75 Resp: 240123

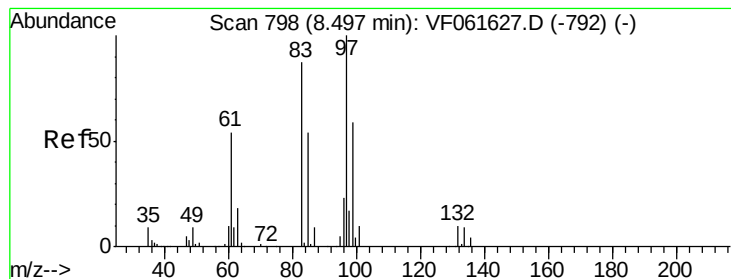
Ion Ratio Lower Upper

75 100

77 33.7 26.4 39.6

39 45.6 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 48.741 ug/l

RT: 8.48 min Scan# 796

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 108862

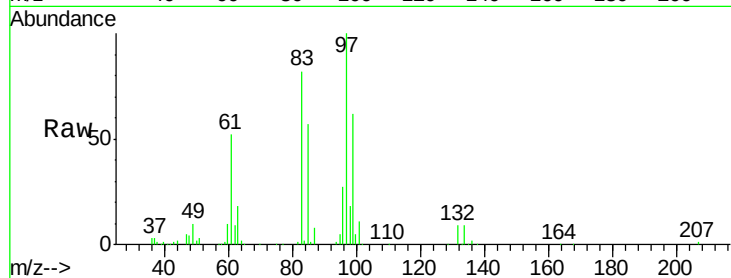
Ion Ratio Lower Upper

97 100

83 82.1 69.2 103.8

85 56.8 43.0 64.4

99 61.8 47.2 70.8

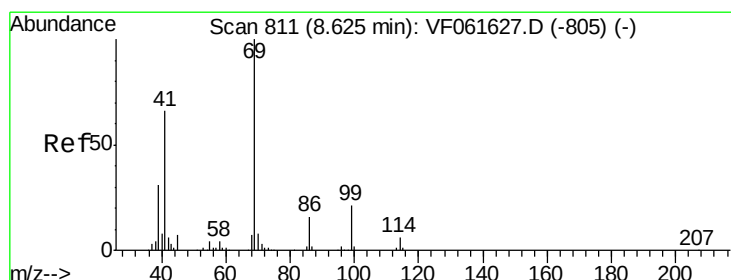
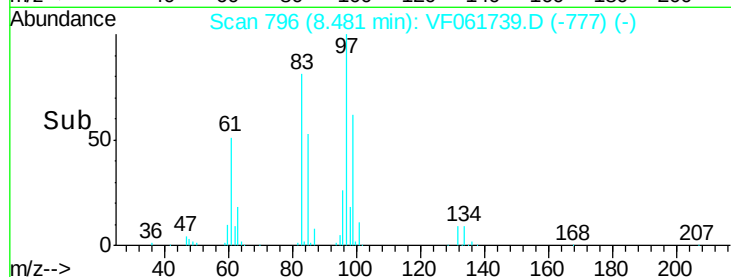
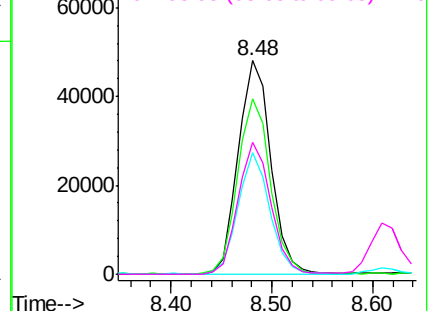


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 45.610 ug/l

RT: 8.61 min Scan# 809

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

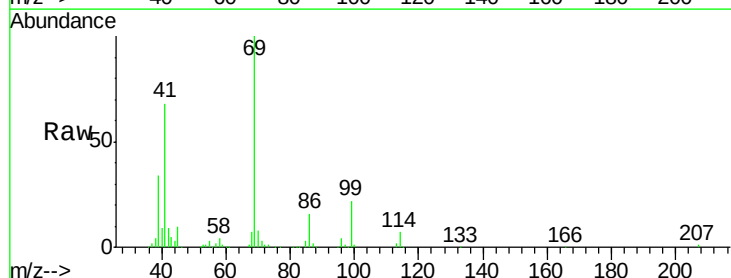
Tgt Ion: 69 Resp: 113416

Ion Ratio Lower Upper

69 100

41 67.7 52.9 79.3

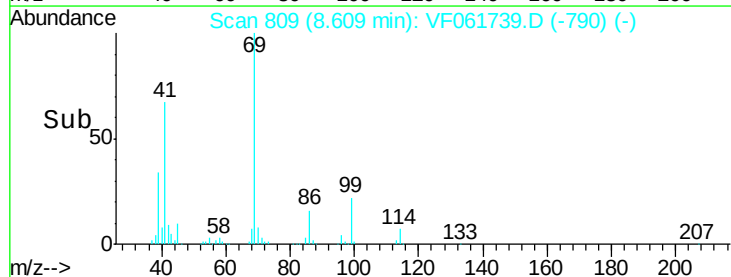
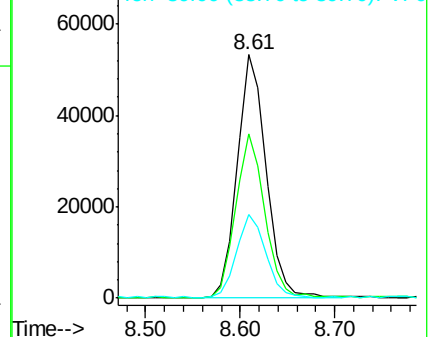
39 34.4 24.5 36.7

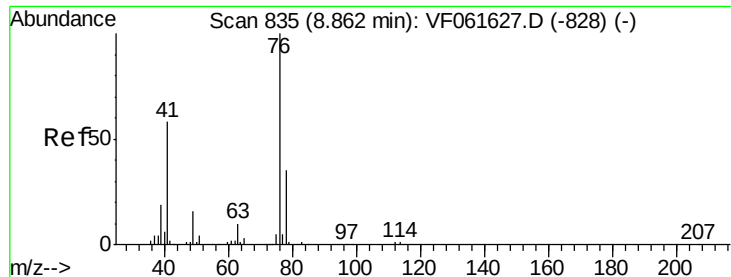


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 47.497 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

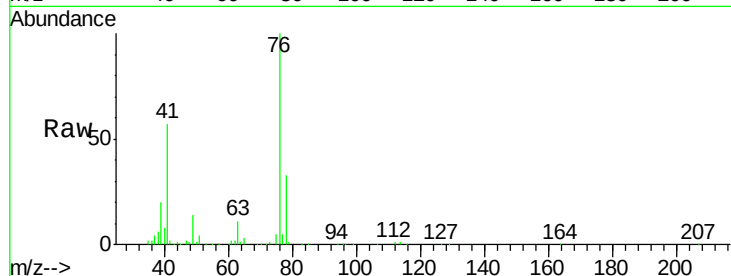
VSTDCCC050EC

Tot Ion: 76 Resp: 177067

Ion Ratio Lower Upper

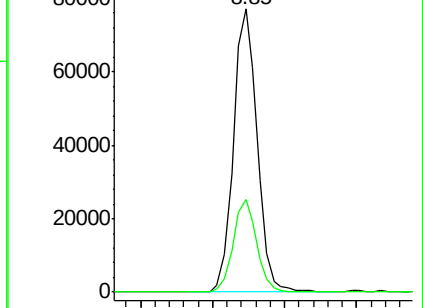
76 100

78 32.9 27.8 41.6

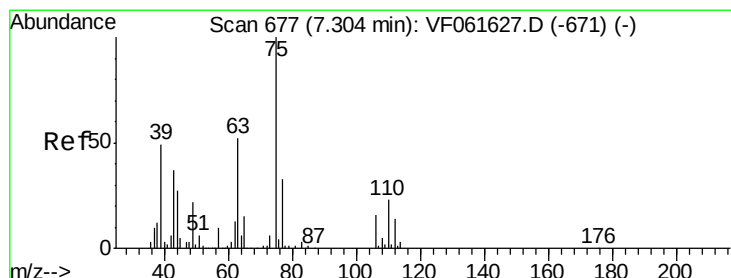
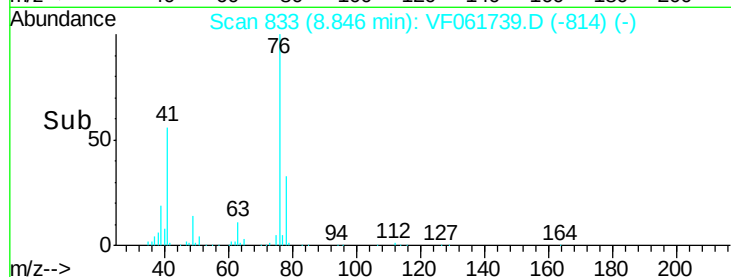


Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 187.808 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.02 min

Lab File: VF061739.D

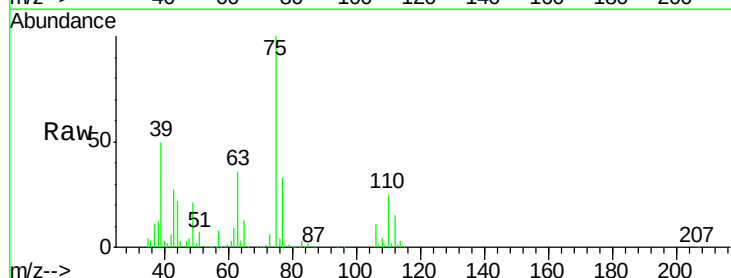
Acq: 25 Feb 2019 19:58

Tgt Ion: 63 Resp: 80577

Ion Ratio Lower Upper

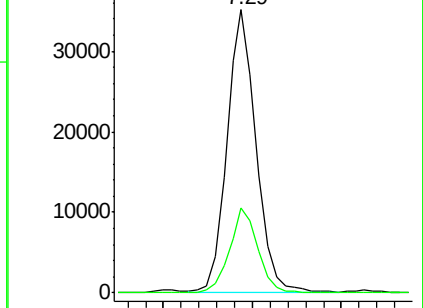
63 100

106 30.2 24.6 36.8

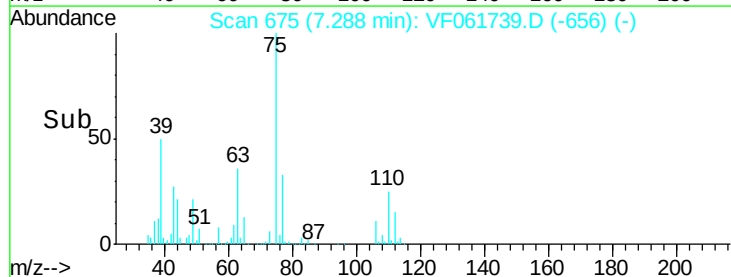


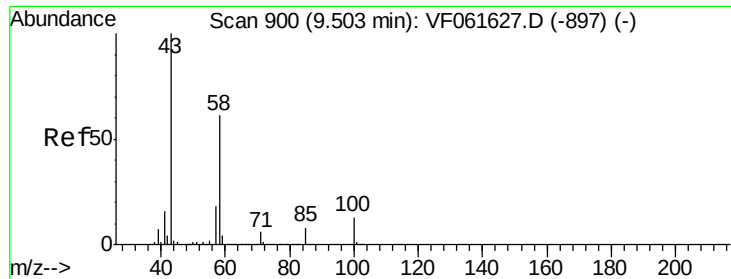
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->

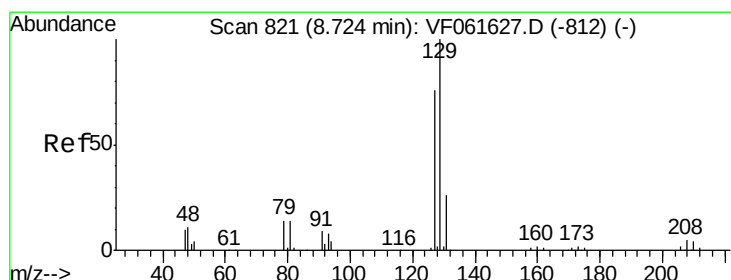
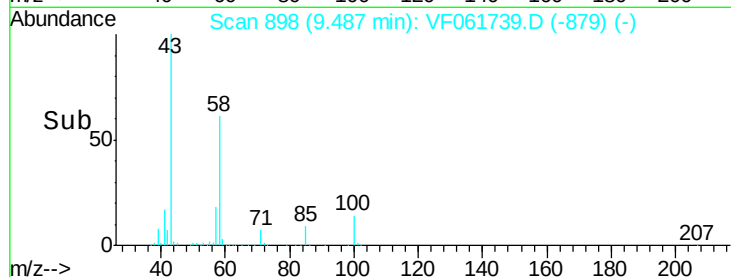
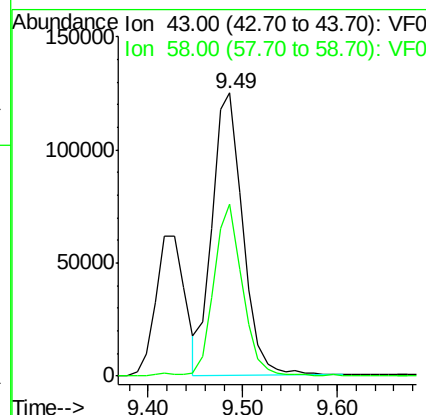
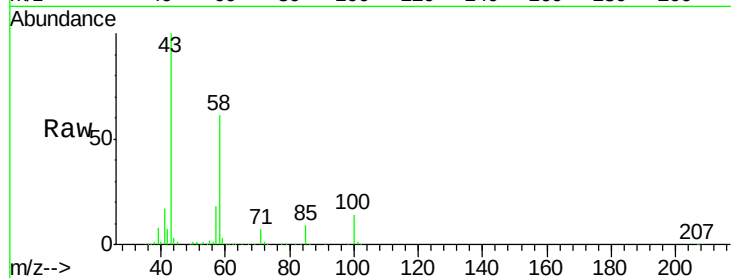




#59
2-Hexanone
Concen: 212.930 ug/l
RT: 9.49 min Scan# 898
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

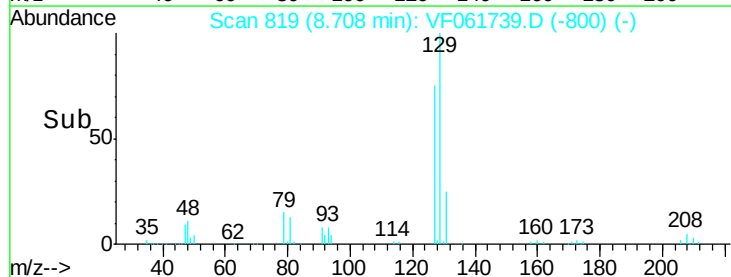
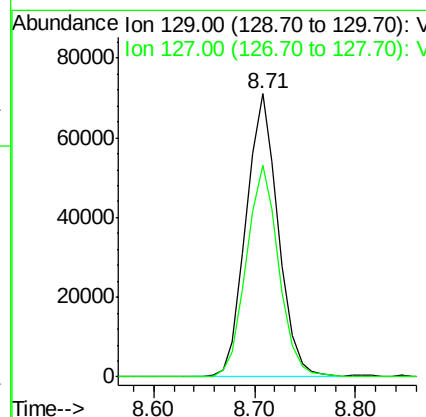
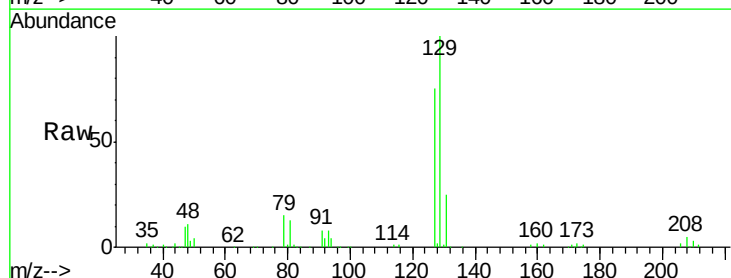
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

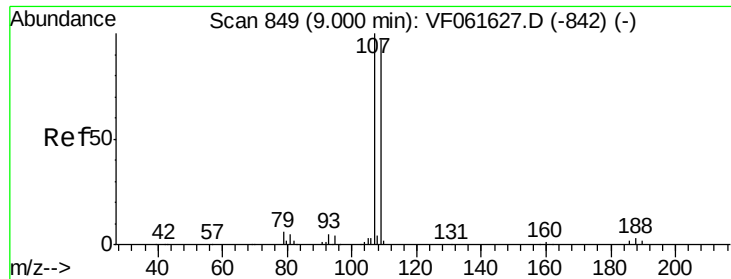
Tot Ion: 43 Resp: 280980
Ion Ratio Lower Upper
43 100
58 60.6 28.5 85.5



#60
Dibromochloromethane
Concen: 50.881 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion: 129 Resp: 158174
Ion Ratio Lower Upper
129 100
127 74.8 37.8 113.4





#61

1,2-Dibromoethane

Concen: 48.006 ug/l

RT: 8.97 min Scan# 846

Delta R.T. -0.03 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

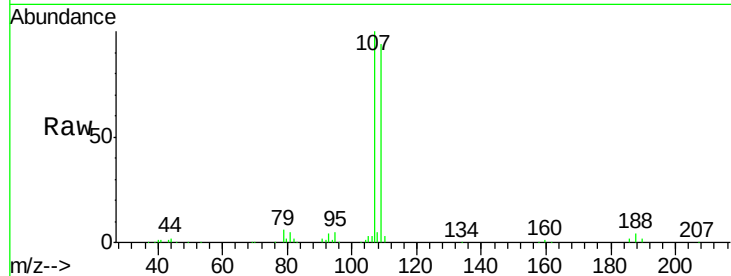
VSTDCCC050EC

Tot Ion:107 Resp: 116295

Ion Ratio Lower Upper

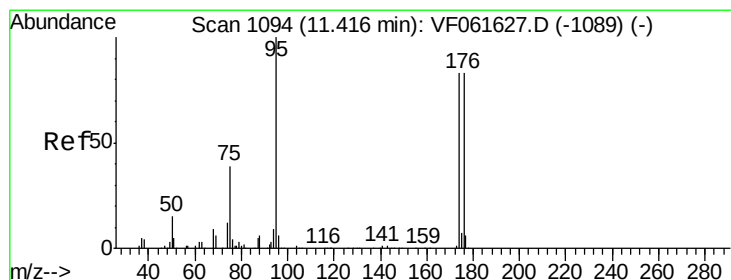
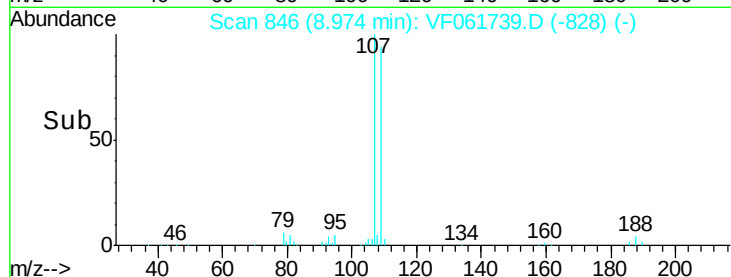
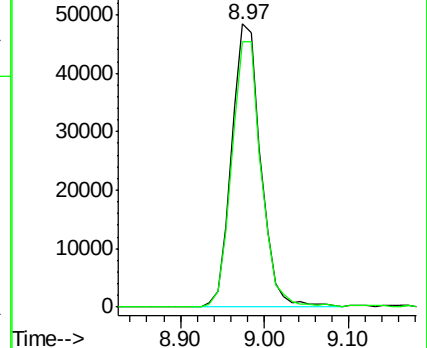
107 100

109 94.0 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.711 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

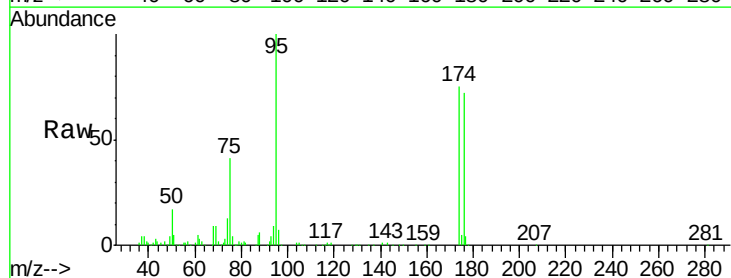
Tgt Ion: 95 Resp: 195176

Ion Ratio Lower Upper

95 100

174 75.3 0.0 165.8

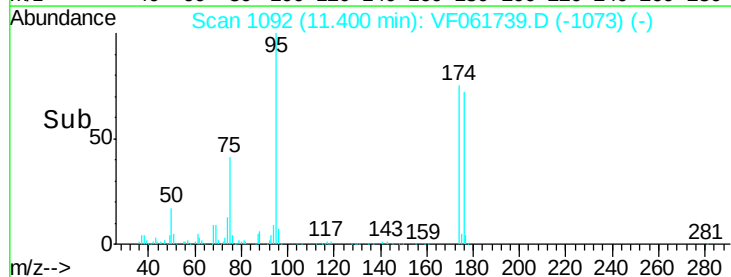
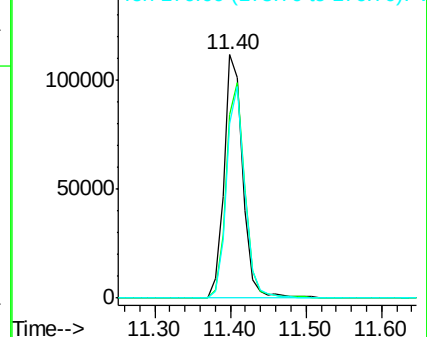
176 71.6 0.0 167.0

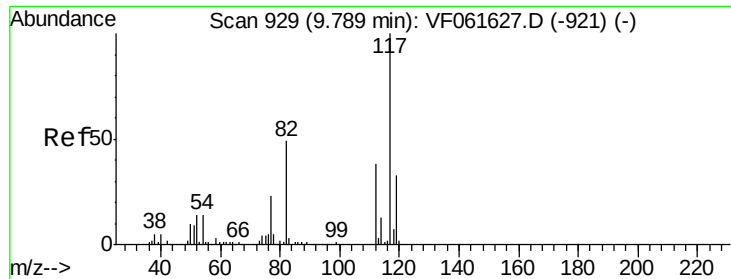


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

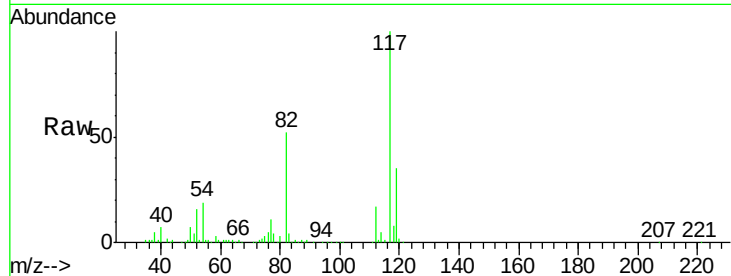




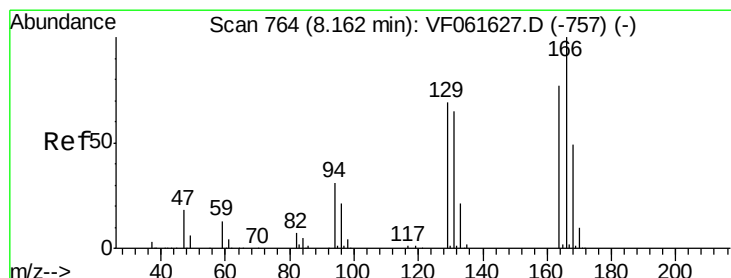
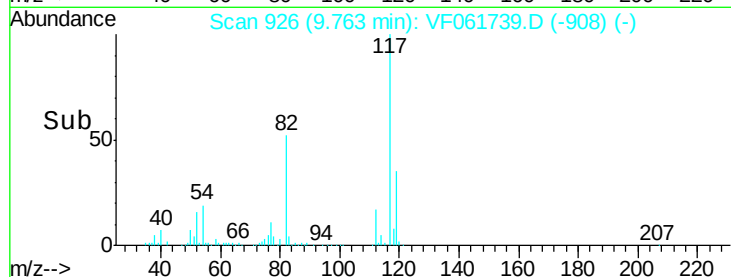
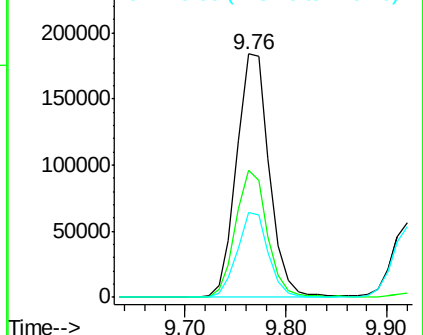
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 418001
Ion Ratio Lower Upper
117 100
82 52.0 39.3 58.9
119 34.6 26.6 40.0

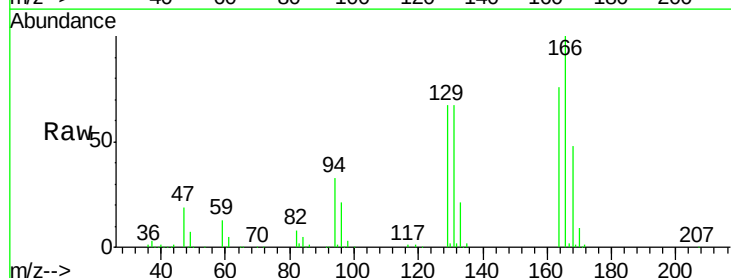


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

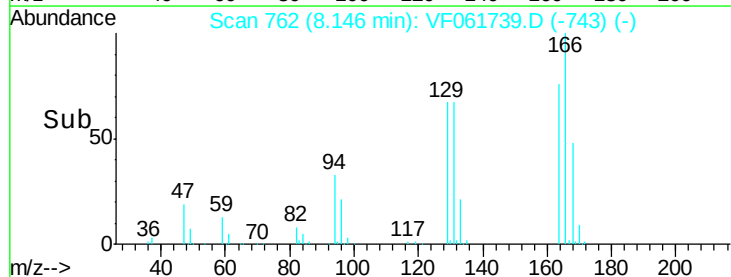
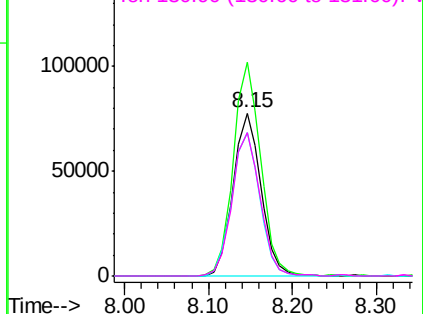


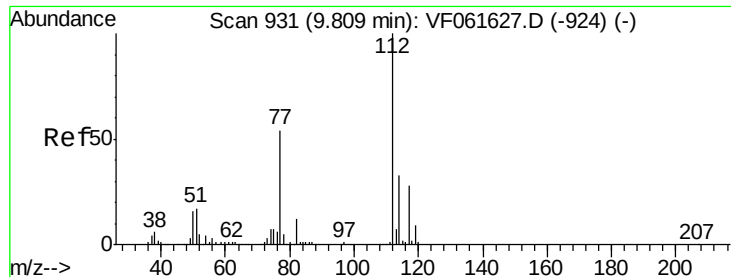
#64
Tetrachloroethene
Concen: 52.688 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion:164 Resp: 180017
Ion Ratio Lower Upper
164 100
166 131.0 103.9 155.9
129 87.8 71.3 106.9
131 87.9 67.1 100.7



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

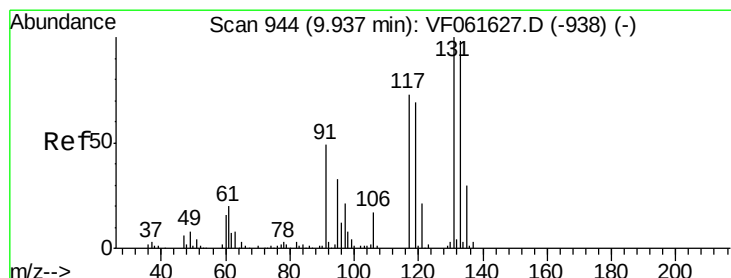
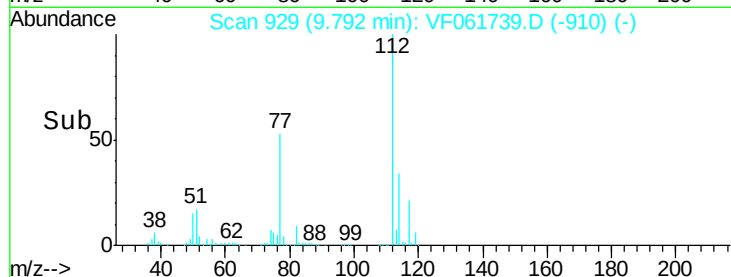
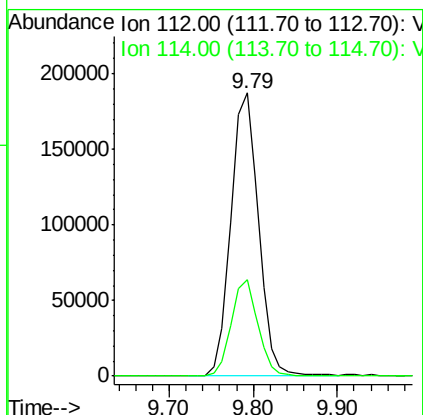
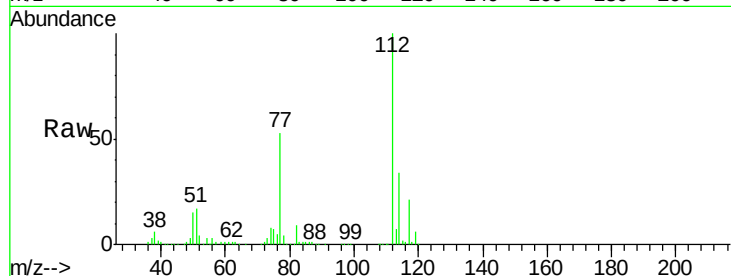




#65
Chlorobenzene
Concen: 50.670 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

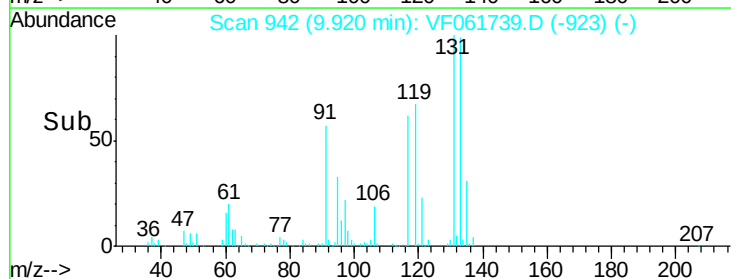
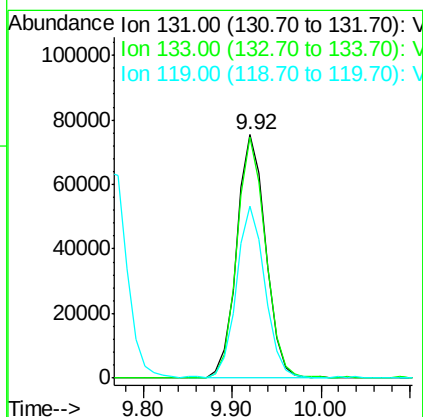
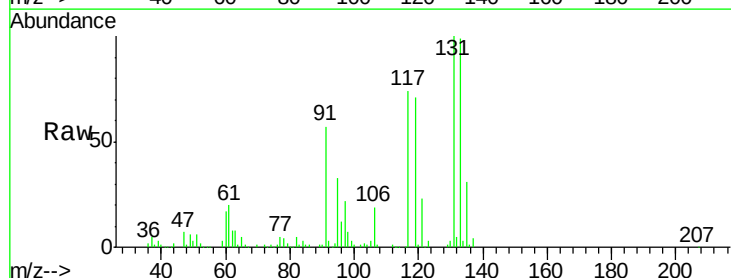
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

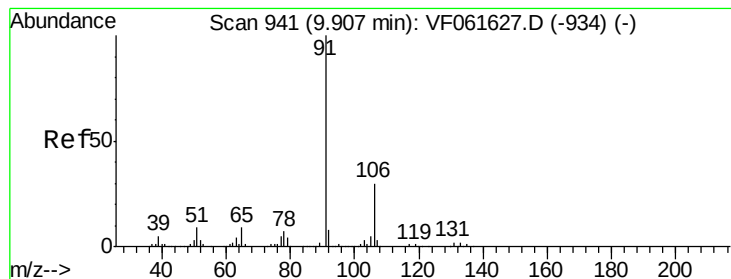
Tot Ion:112 Resp: 429793
Ion Ratio Lower Upper
112 100
114 34.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 51.284 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion:131 Resp: 170454
Ion Ratio Lower Upper
131 100
133 98.9 48.9 146.6
119 70.8 34.8 104.3





#67

Ethyl Benzene

Concen: 49.626 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

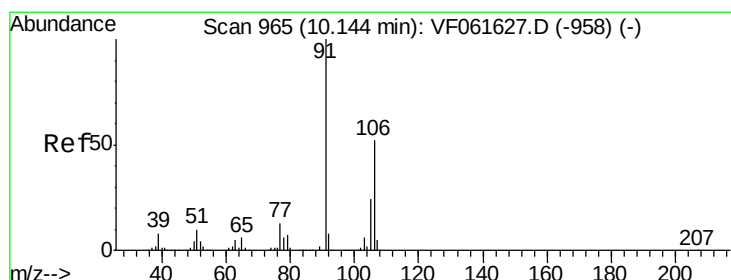
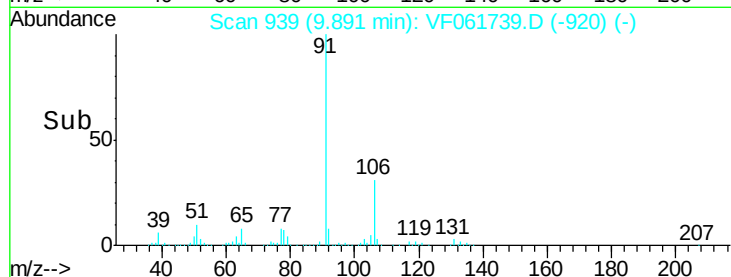
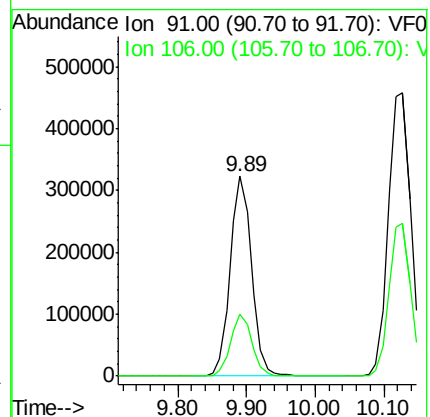
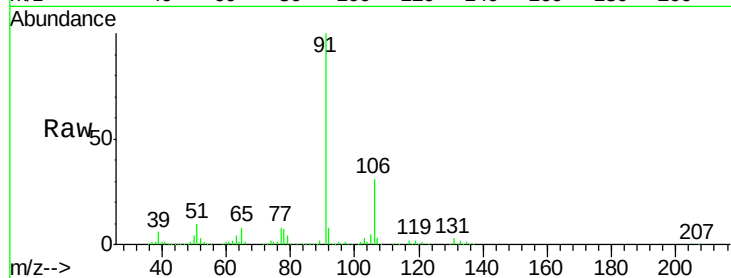
VSTDCCC050EC

Tot Ion: 91 Resp: 700013

Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1



#68

m/p-Xylenes

Concen: 101.790 ug/l

RT: 10.13 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF061739.D

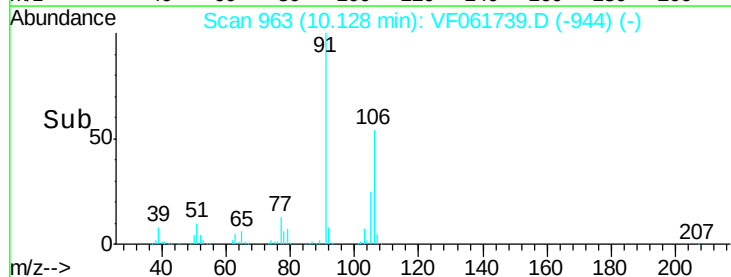
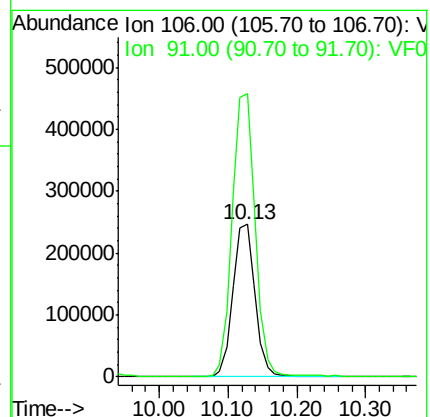
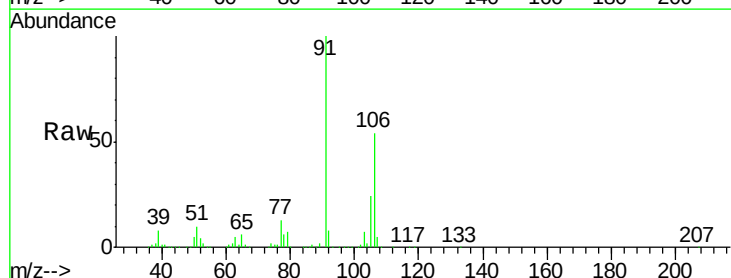
Acq: 25 Feb 2019 19:58

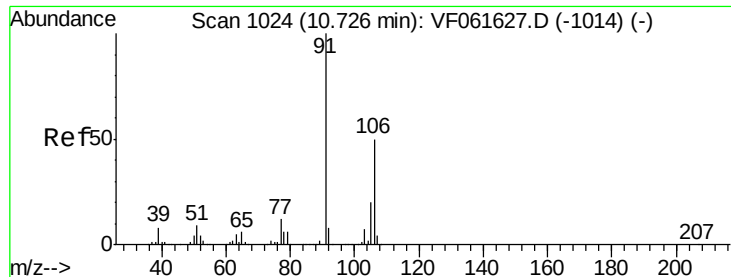
Tgt Ion: 106 Resp: 549509

Ion Ratio Lower Upper

106 100

91 185.8 153.0 229.6

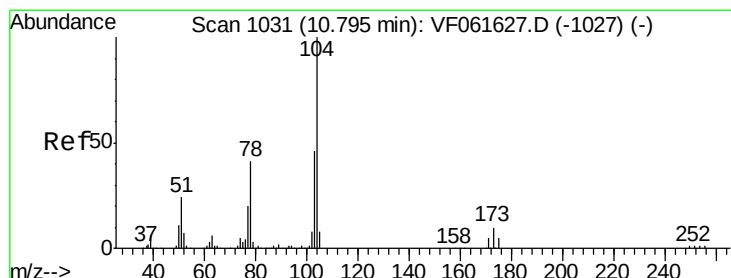
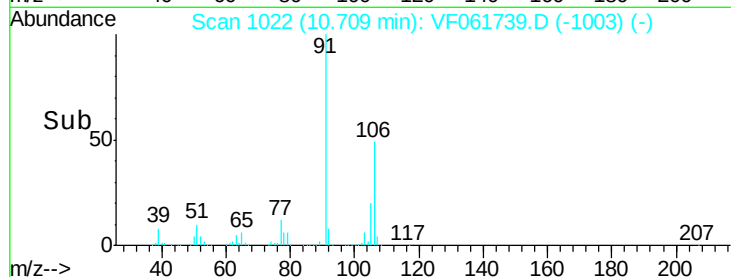
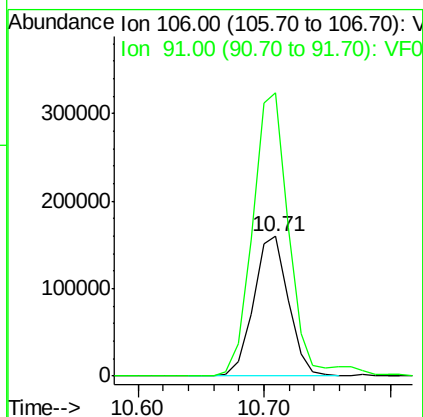
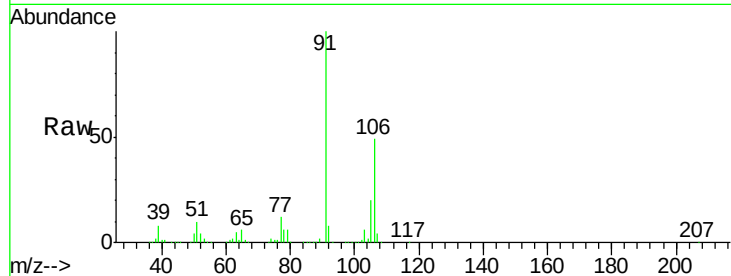




#69
o-Xylene
Concen: 53.553 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

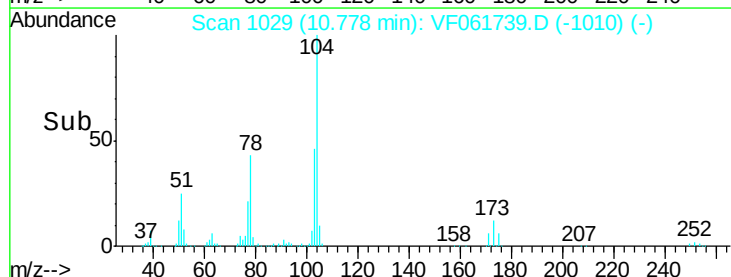
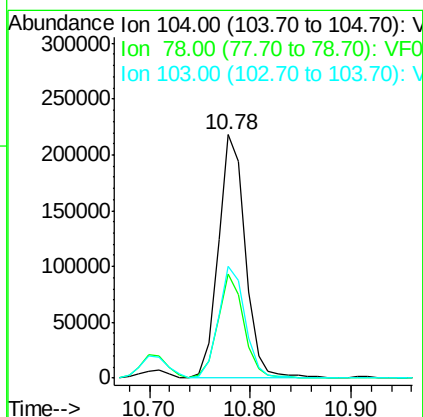
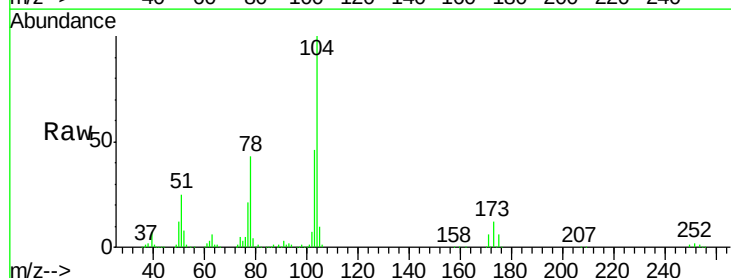
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

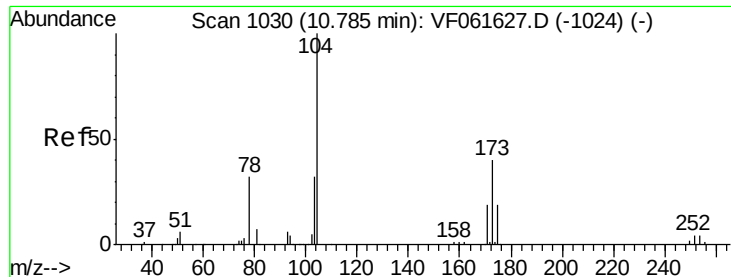
Tot Ion:106 Resp: 308489
Ion Ratio Lower Upper
106 100
91 202.6 100.1 300.1



#70
Styrene
Concen: 49.479 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion:104 Resp: 403216
Ion Ratio Lower Upper
104 100
78 42.9 33.2 49.8
103 46.1 37.2 55.8





#71

Bromoform

Concen: 48.738 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

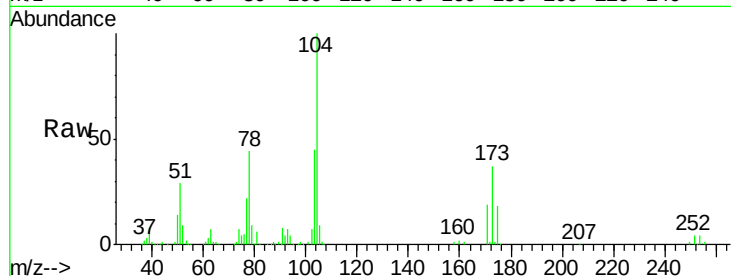
Tot Ion:173 Resp: 87965

Ion Ratio Lower Upper

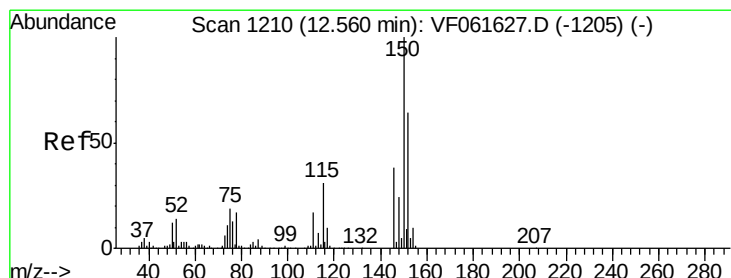
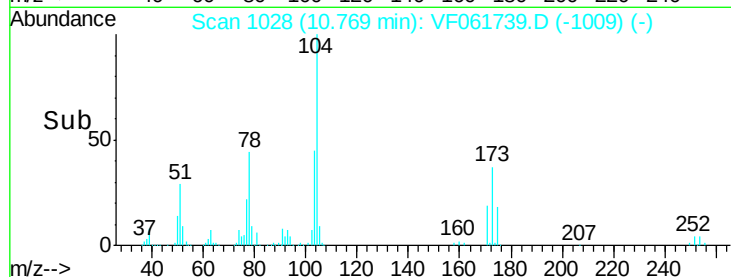
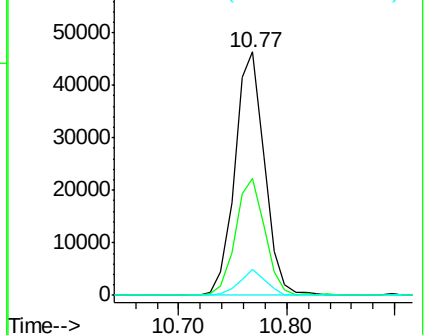
173 100

175 47.9 24.0 72.0

254 10.9 8.2 12.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

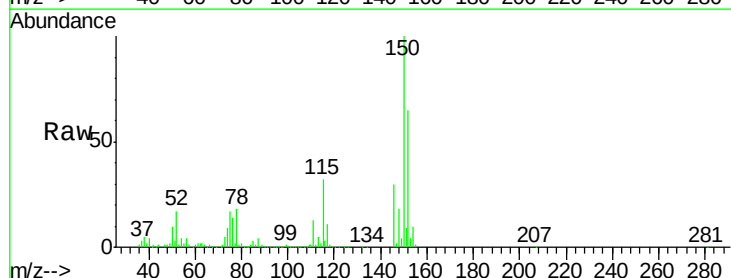
Tgt Ion:152 Resp: 227356

Ion Ratio Lower Upper

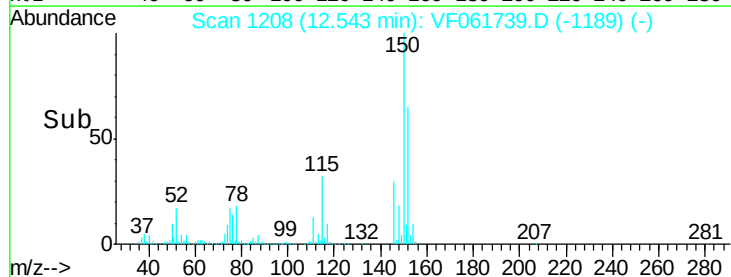
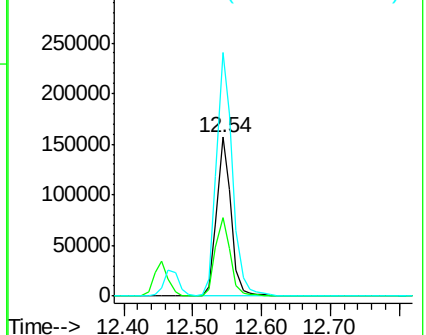
152 100

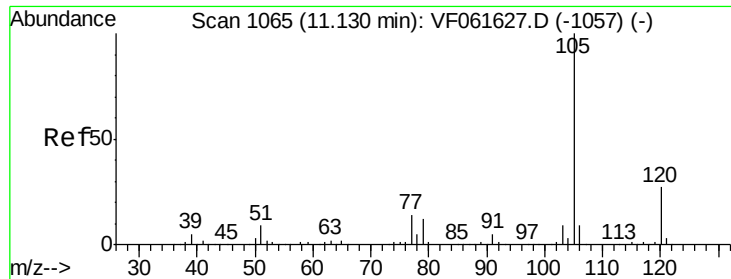
115 49.2 24.3 72.8

150 153.1 0.0 312.0



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





#73

Isopropylbenzene

Concen: 50.843 ug/l

RT: 11.11 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

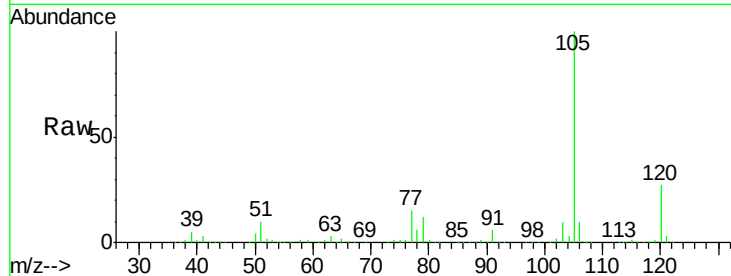
VSTDCCC050EC

Tot Ion:105 Resp: 823014

Ion Ratio Lower Upper

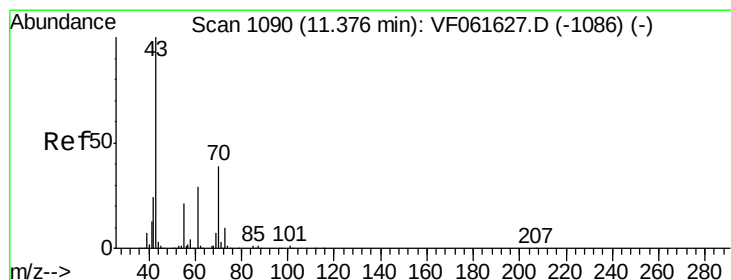
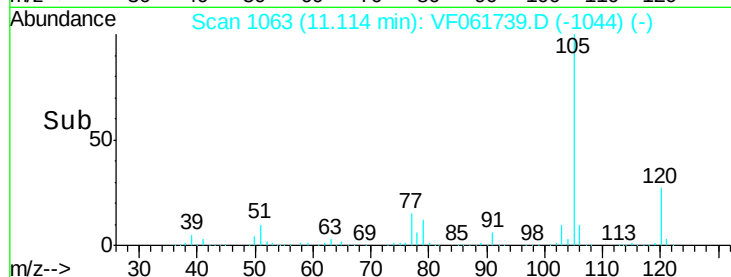
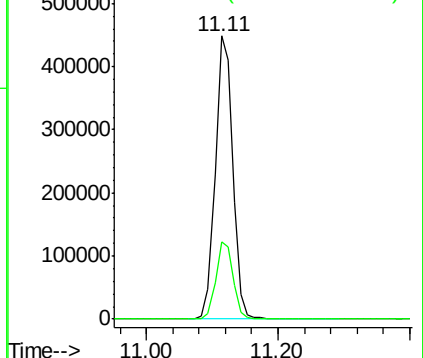
105 100

120 27.4 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: 47.953 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Tgt Ion: 43 Resp: 186314

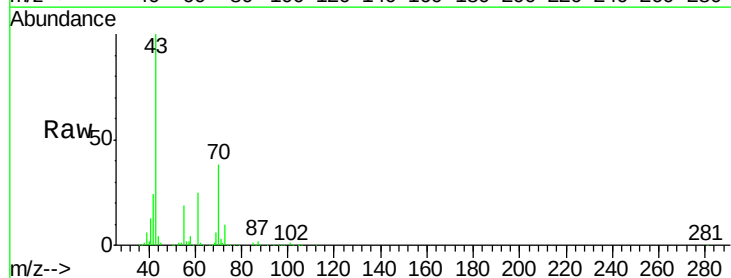
Ion Ratio Lower Upper

43 100

70 38.3 31.5 47.3

55 19.3 16.7 25.1

61 24.6 23.0 34.6

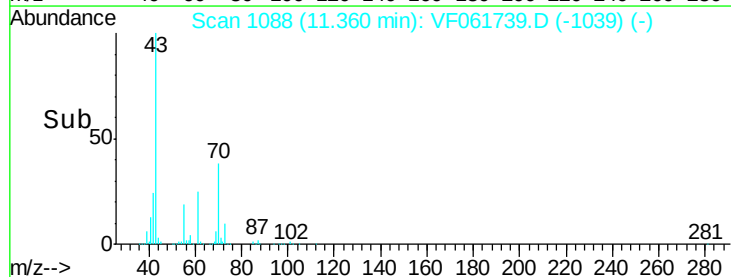
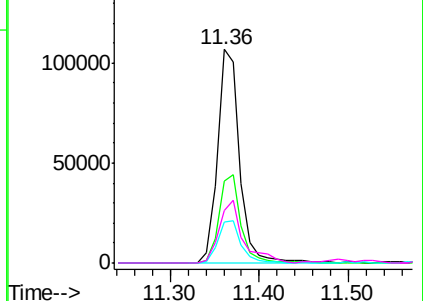


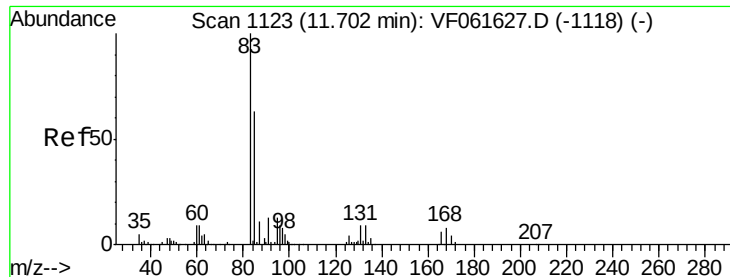
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.899 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

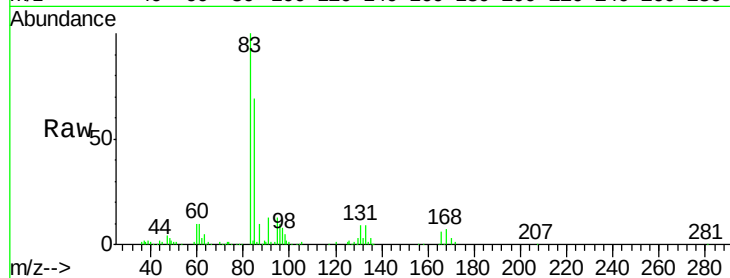
Tot Ion: 83 Resp: 130208

Ion Ratio Lower Upper

83 100

131 9.3 4.4 13.2

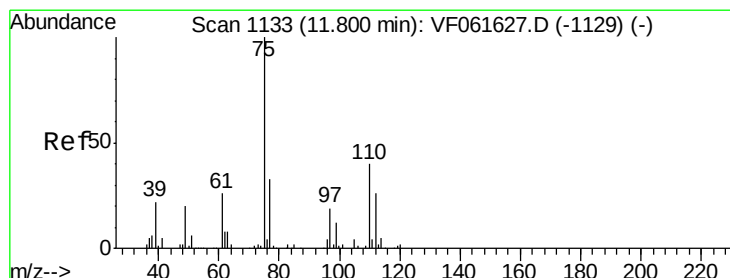
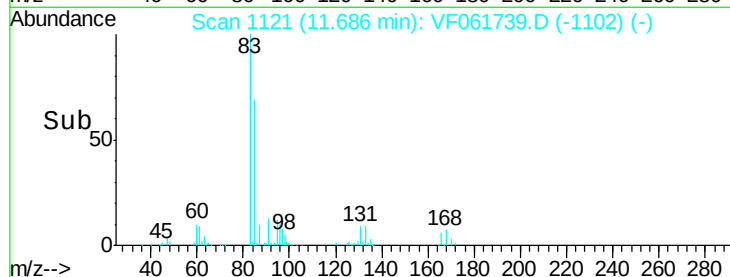
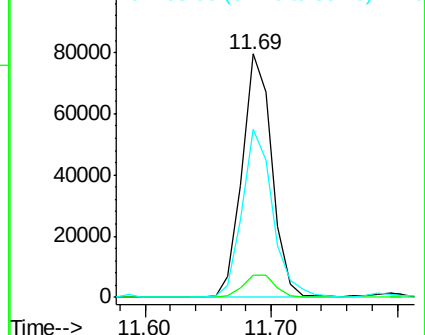
85 68.8 31.5 94.5



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: 46.966 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.02 min

Lab File: VF061739.D

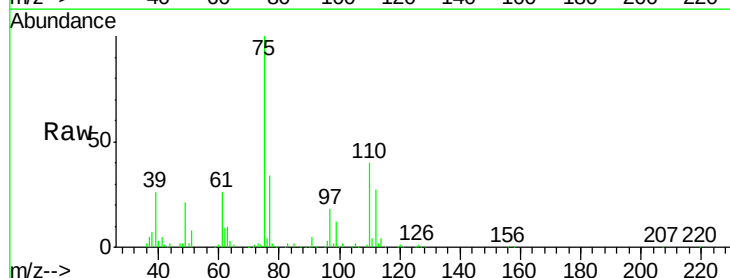
Acq: 25 Feb 2019 19:58

Tgt Ion: 75 Resp: 92602

Ion Ratio Lower Upper

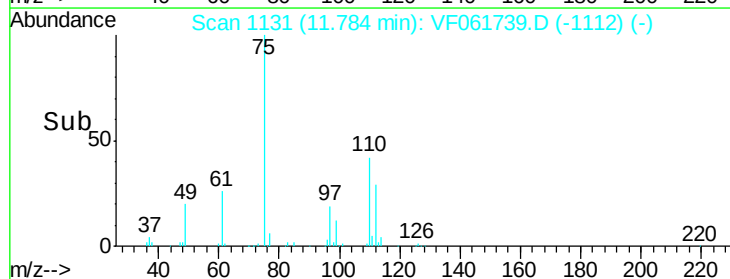
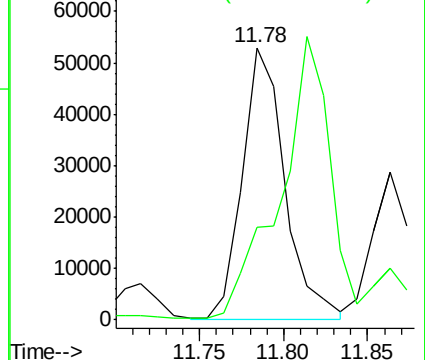
75 100

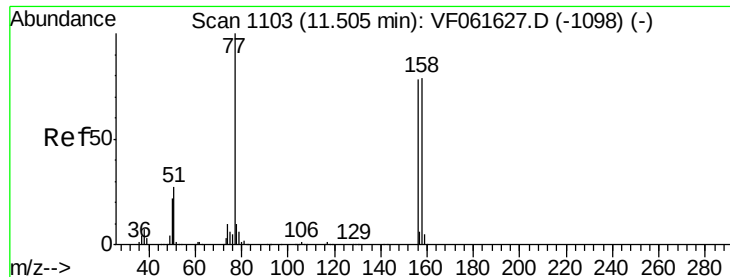
77 33.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 50.969 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

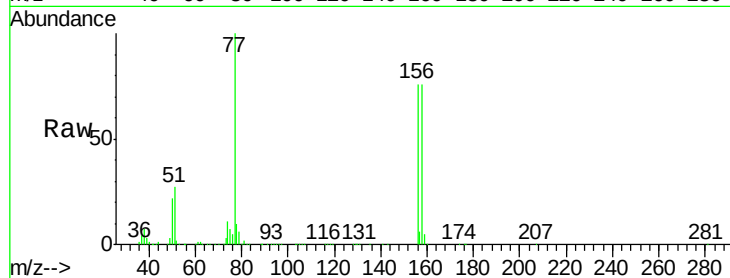
Tot Ion:156 Resp: 203823

Ion Ratio Lower Upper

156 100

77 131.9 64.3 192.7

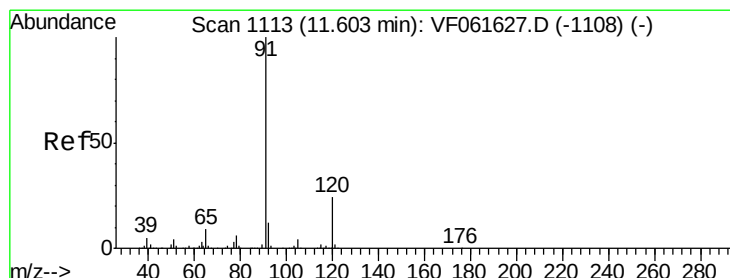
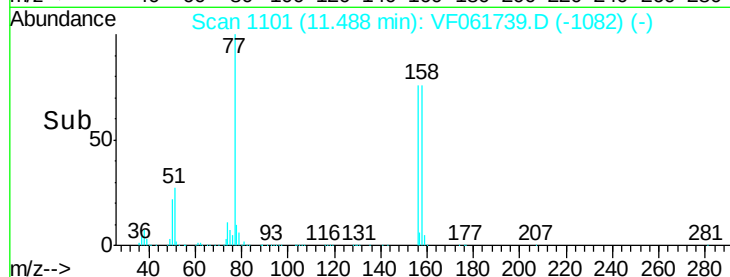
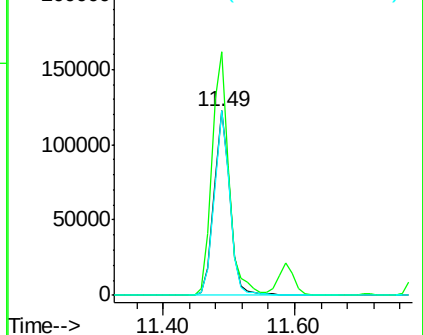
158 100.0 50.9 152.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.665 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061739.D

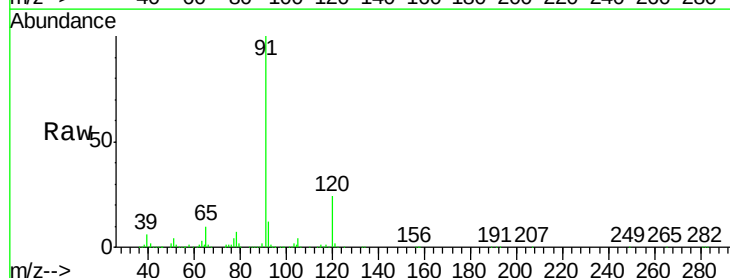
Acq: 25 Feb 2019 19:58

Tgt Ion: 91 Resp: 941121

Ion Ratio Lower Upper

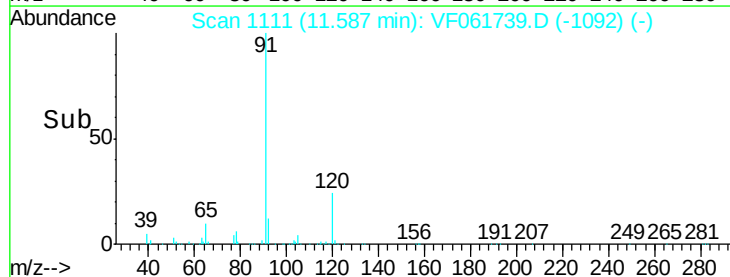
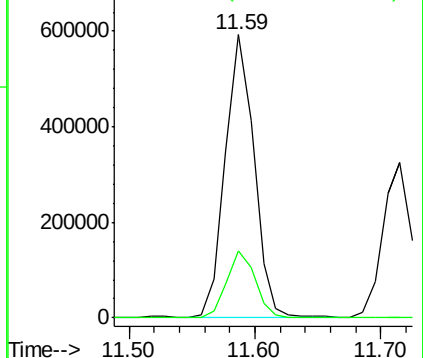
91 100

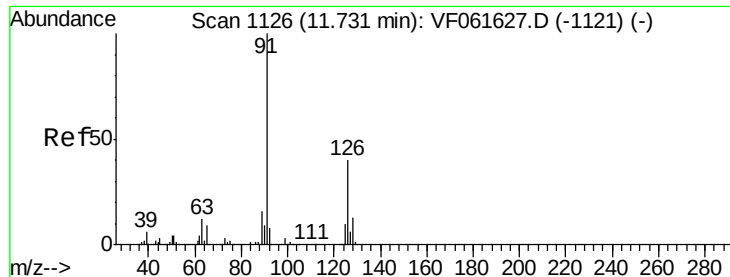
120 23.6 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.644 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

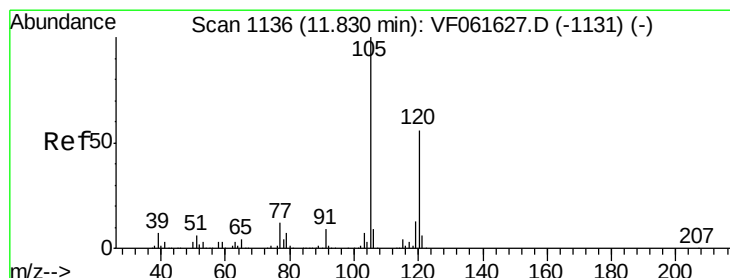
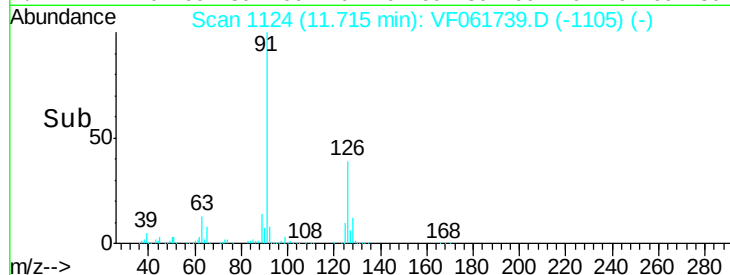
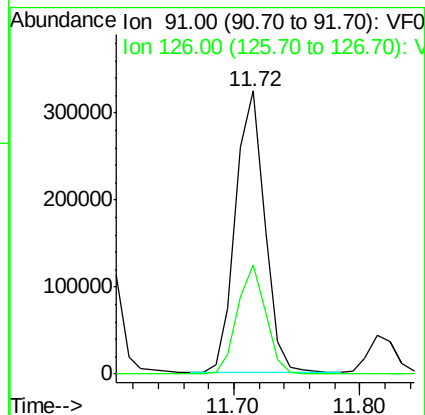
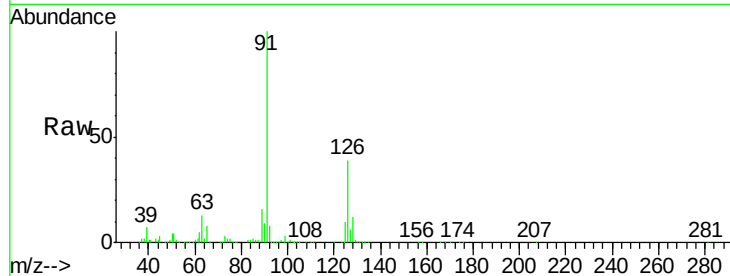
VSTDCCC050EC

Tot Ion: 91 Resp: 516455

Ion Ratio Lower Upper

91 100

126 38.7 19.8 59.4



#80

1,3,5-Trimethylbenzene

Concen: 53.441 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.02 min

Lab File: VF061739.D

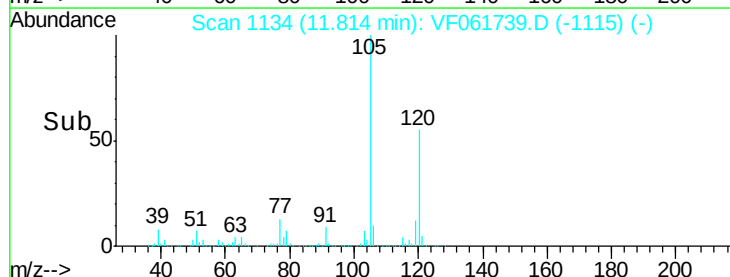
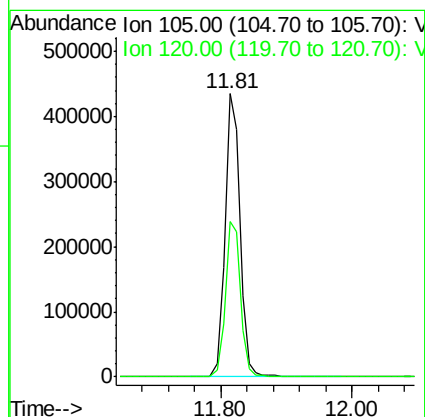
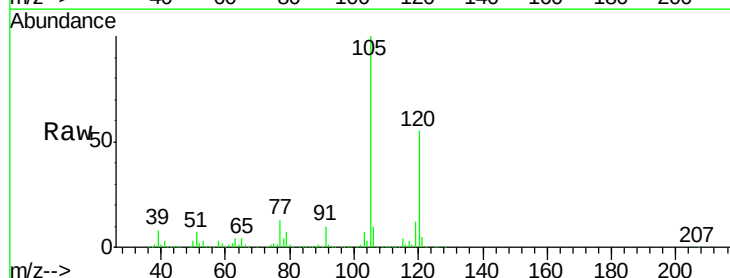
Acq: 25 Feb 2019 19:58

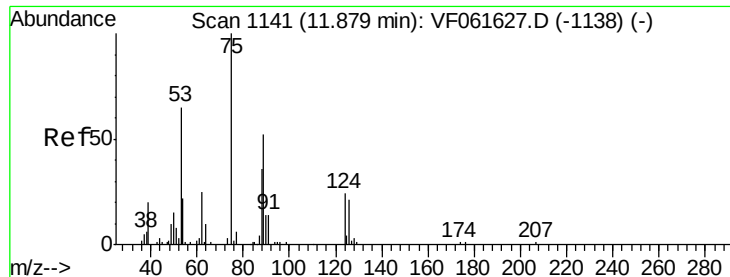
Tgt Ion: 105 Resp: 691398

Ion Ratio Lower Upper

105 100

120 55.0 27.9 83.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.969 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

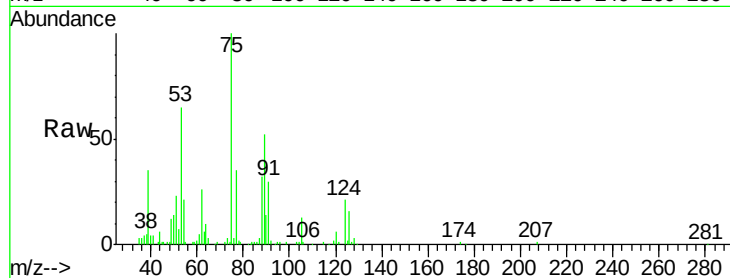
Tot Ion: 75 Resp: 46288

Ion Ratio Lower Upper

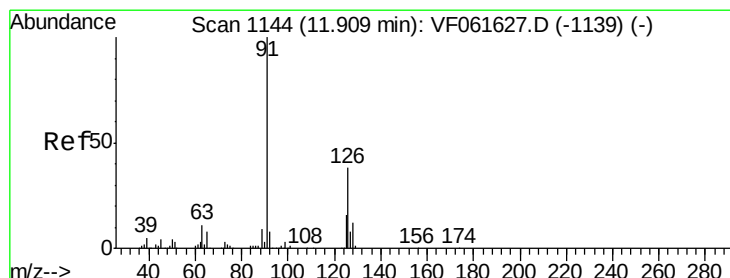
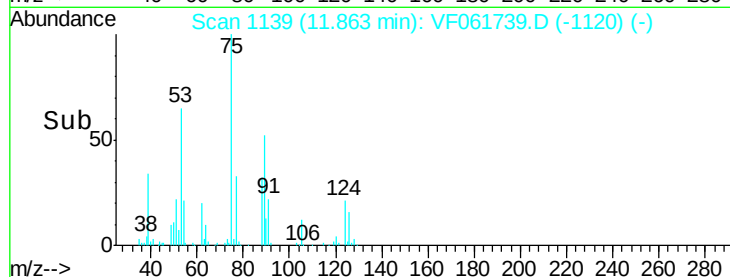
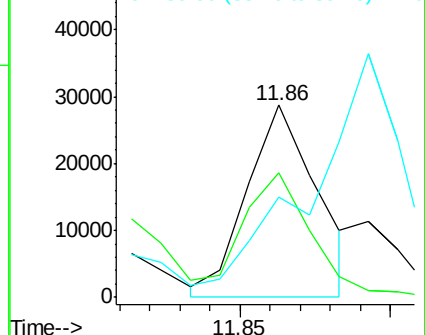
75 100

53 65.0 53.7 80.5

89 52.0 41.6 62.4



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 51.774 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.02 min

Lab File: VF061739.D

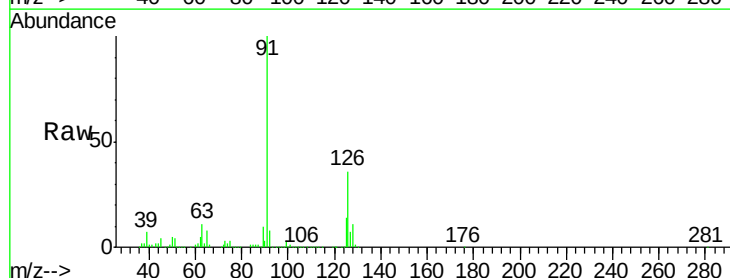
Acq: 25 Feb 2019 19:58

Tgt Ion: 91 Resp: 559047

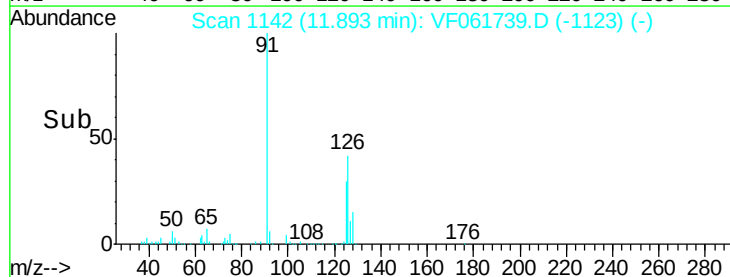
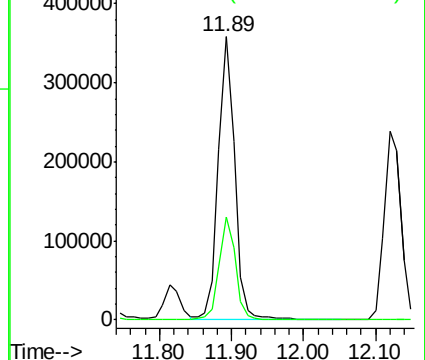
Ion Ratio Lower Upper

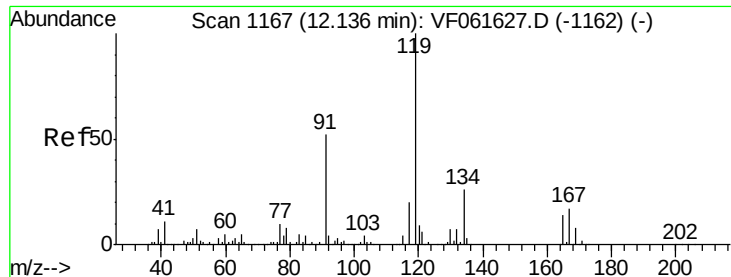
91 100

126 36.4 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

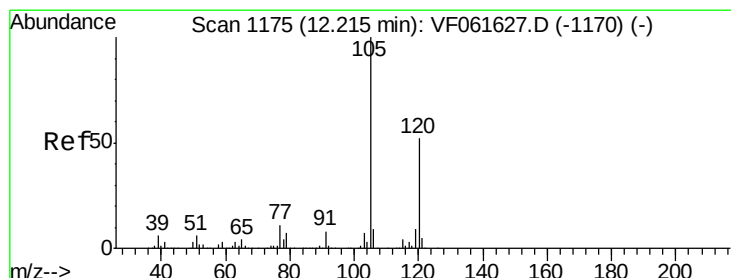
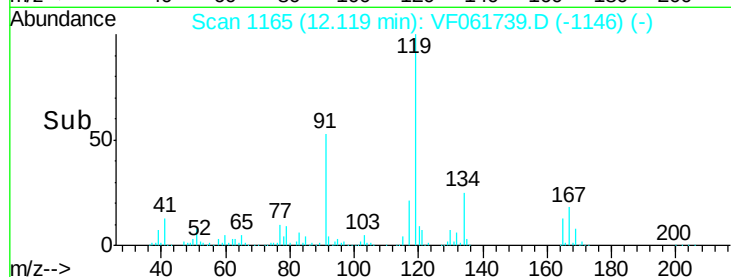
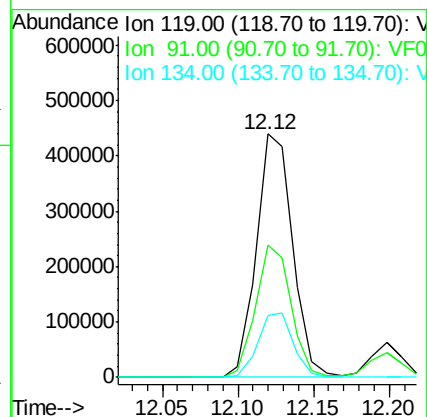
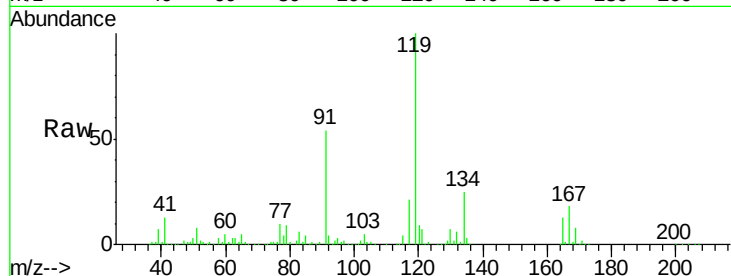




#83
 tert-Butylbenzene
 Concen: 51.399 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

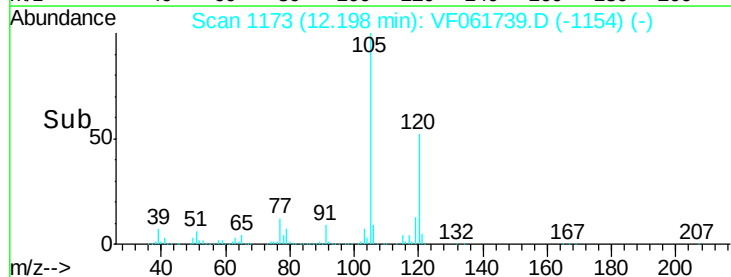
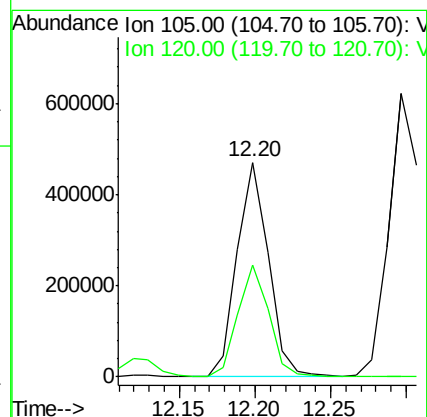
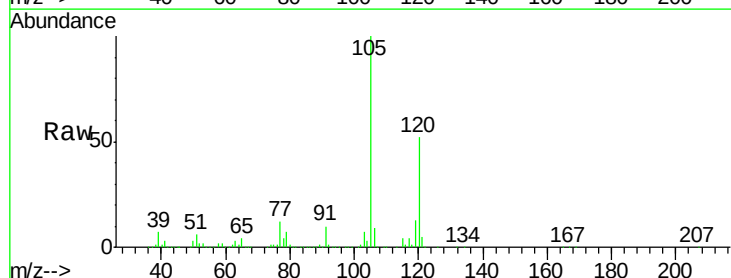
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

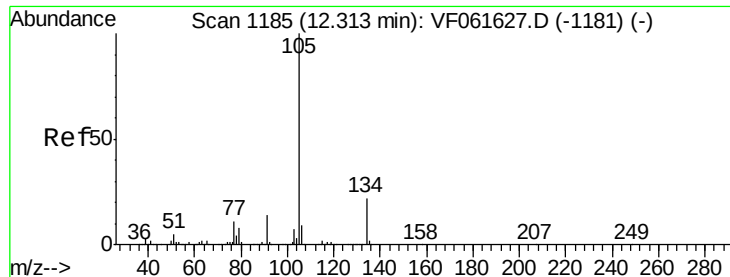
Tot Ion:119 Resp: 736538
 Ion Ratio Lower Upper
 119 100
 91 54.3 26.3 78.8
 134 25.4 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 52.959 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion:105 Resp: 680699
 Ion Ratio Lower Upper
 105 100
 120 52.4 26.1 78.3





#85

sec-Butylbenzene

Concen: 50.552 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

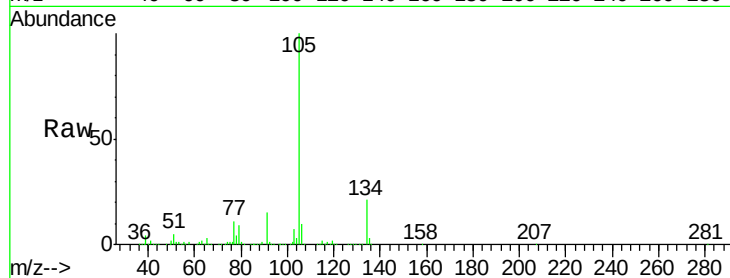
VSTDCCC050EC

Tot Ion:105 Resp: 936751

Ion Ratio Lower Upper

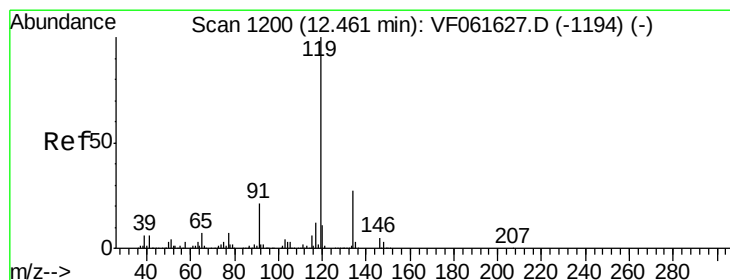
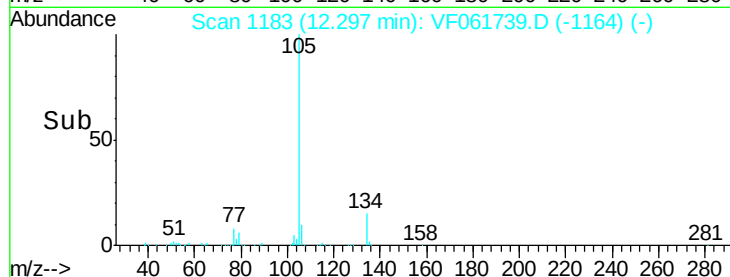
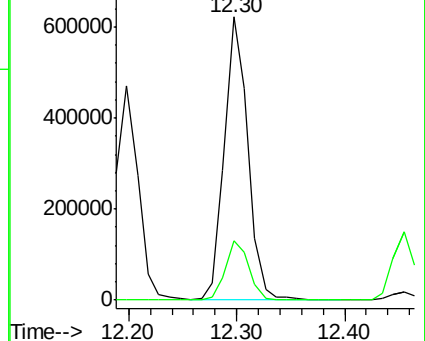
105 100

134 21.1 10.8 32.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.480 ug/l

RT: 12.45 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

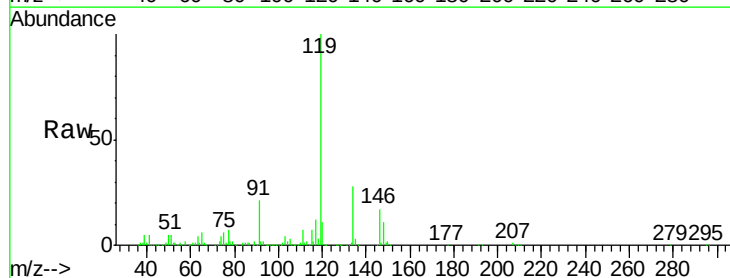
Tgt Ion:119 Resp: 769502

Ion Ratio Lower Upper

119 100

134 28.4 13.7 41.1

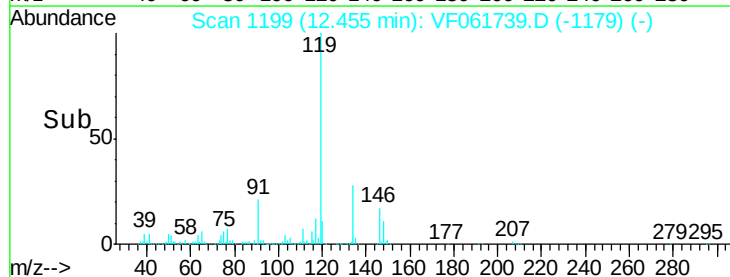
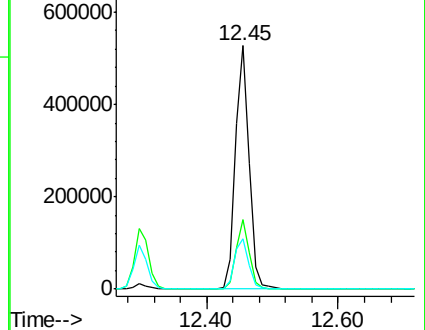
91 20.9 10.8 32.4

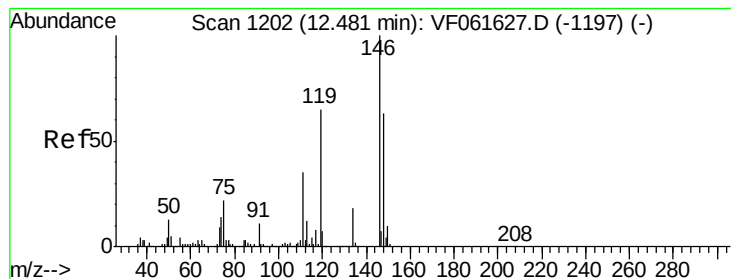


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 48.187 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

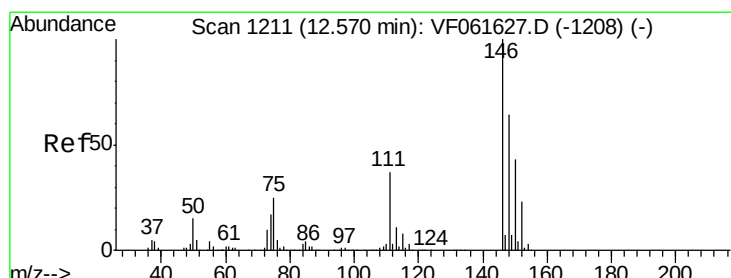
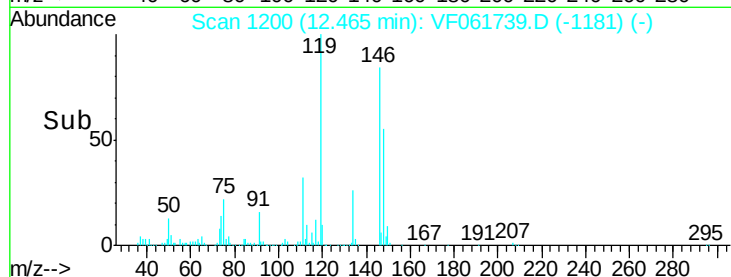
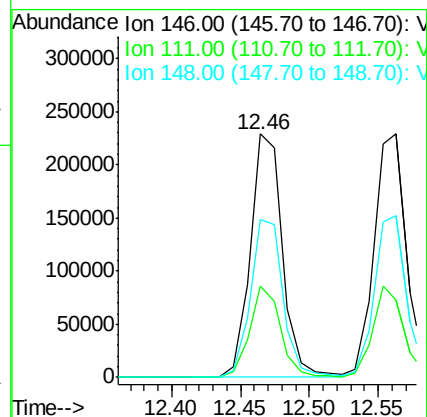
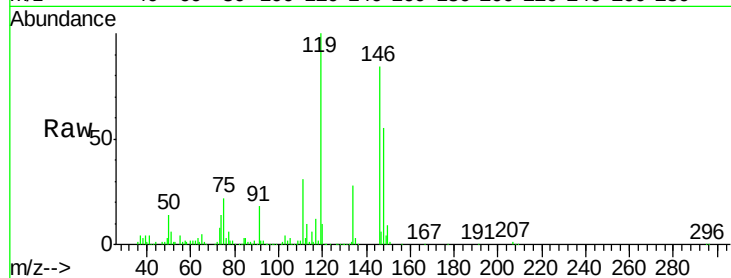
Tot Ion:146 Resp: 375673

Ion Ratio Lower Upper

146 100

111 37.6 17.5 52.6

148 65.2 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 50.915 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

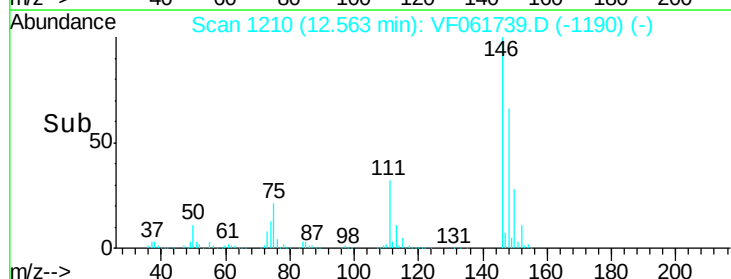
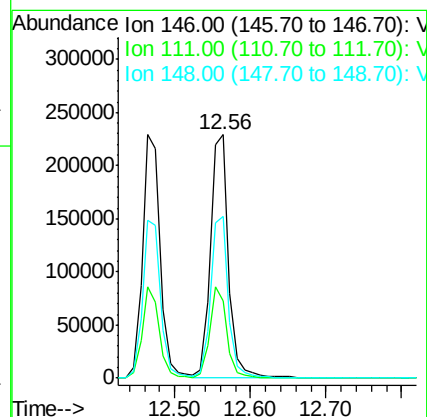
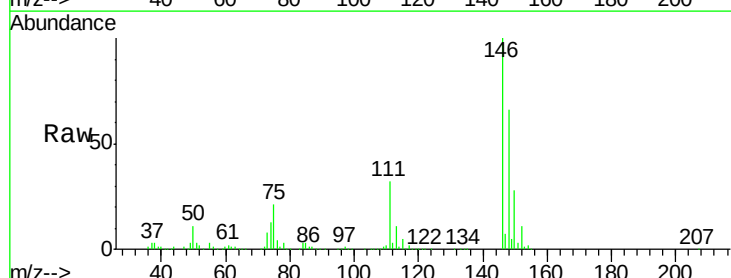
Tgt Ion:146 Resp: 381746

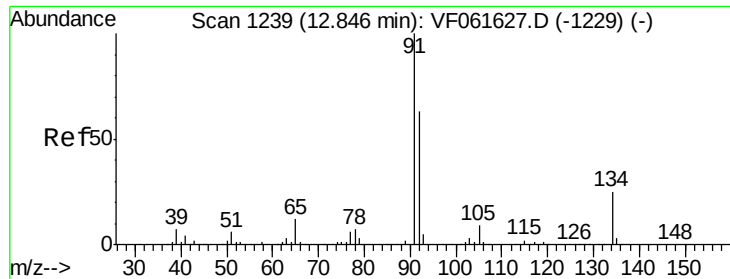
Ion Ratio Lower Upper

146 100

111 31.9 18.4 55.4

148 66.4 32.2 96.6





#89

n-Butylbenzene

Concen: 49.174 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VF061739.D

Acq: 25 Feb 2019 19:58

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

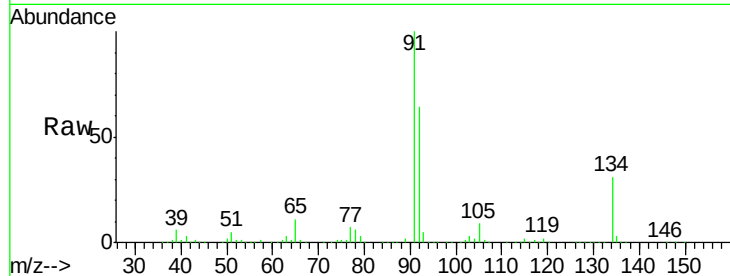
Tot Ion: 91 Resp: 722127

Ion Ratio Lower Upper

91 100

92 63.6 31.4 94.3

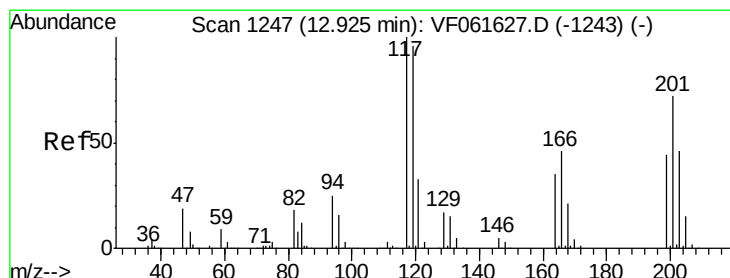
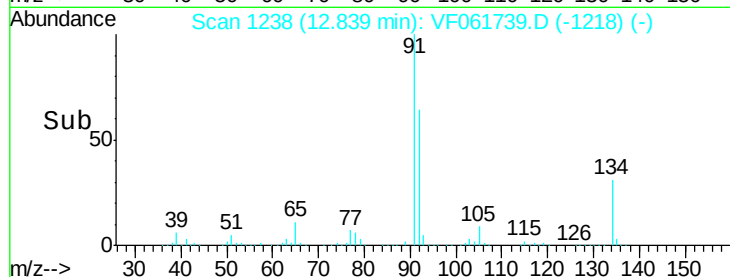
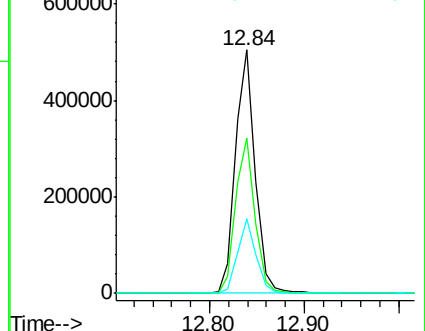
134 30.7 12.3 36.9



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: 54.342 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.02 min

Lab File: VF061739.D

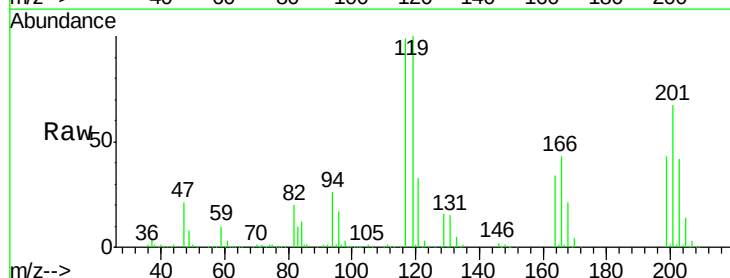
Acq: 25 Feb 2019 19:58

Tgt Ion: 117 Resp: 196548

Ion Ratio Lower Upper

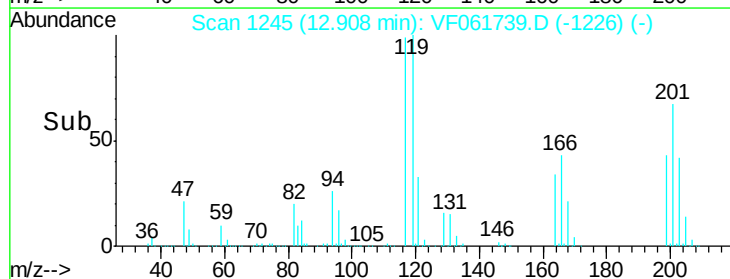
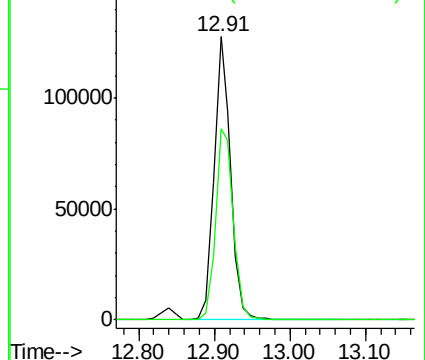
117 100

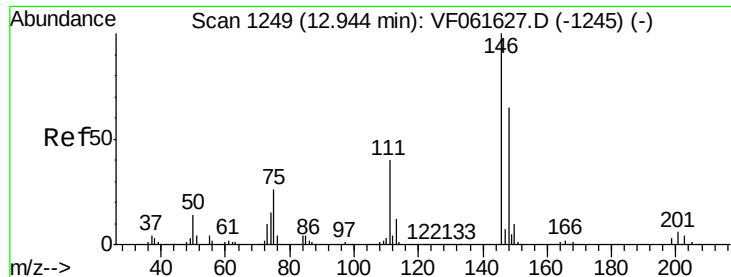
201 67.4 36.2 108.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

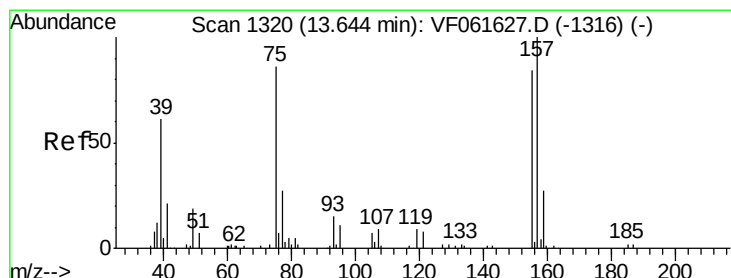
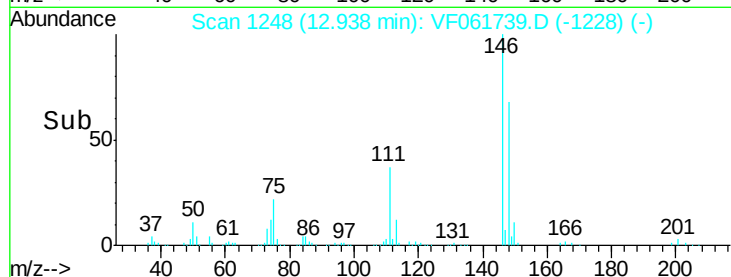
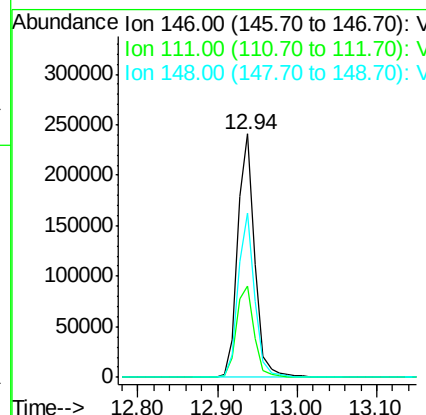
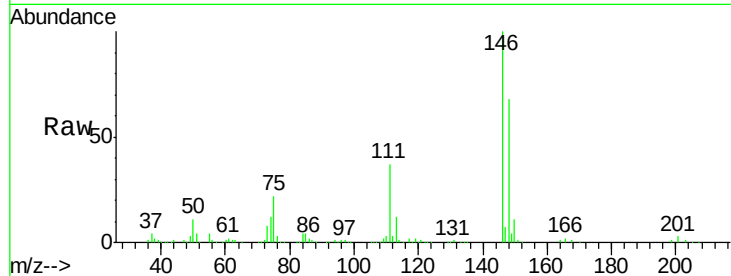




#91
 1,2-Dichlorobenzene
 Concen: 48.514 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

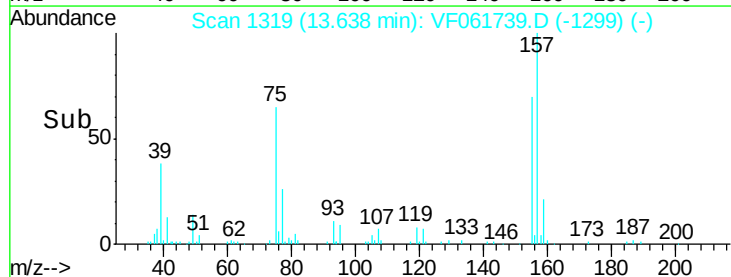
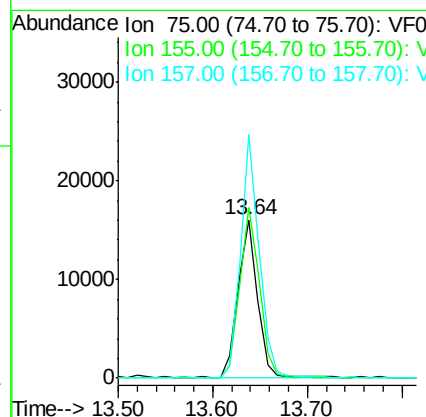
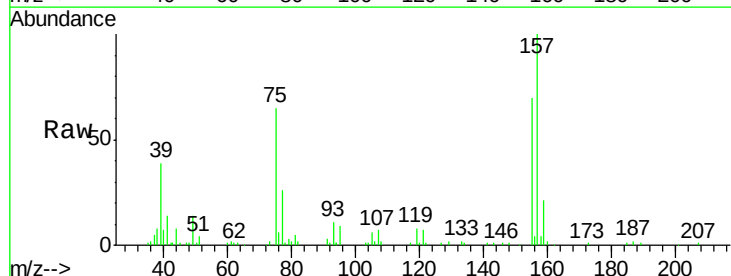
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

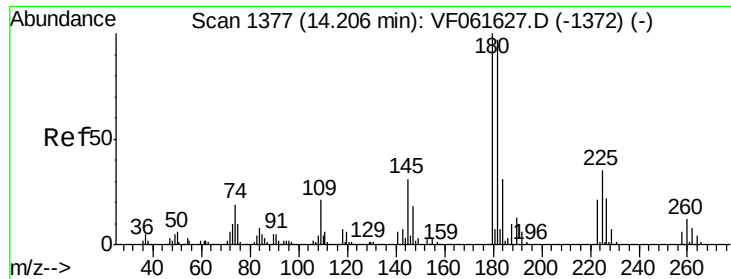
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.2	60.5
148	67.7	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.643 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.5	48.9	146.8
157	153.9	58.3	174.8

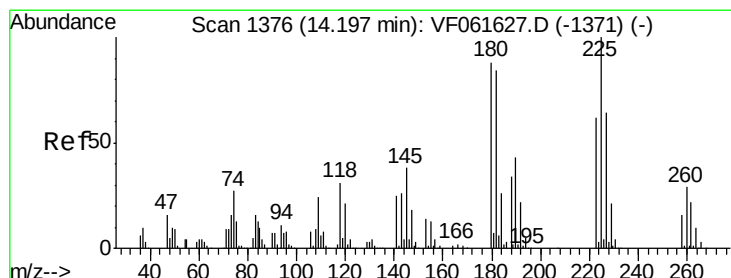
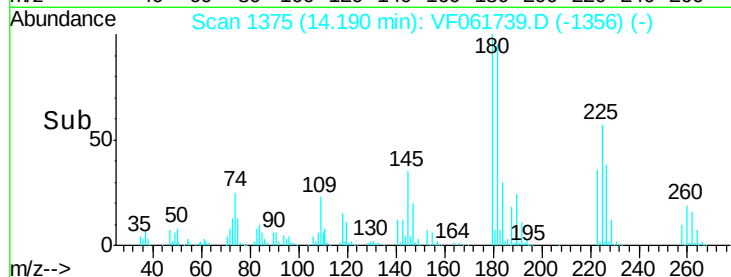
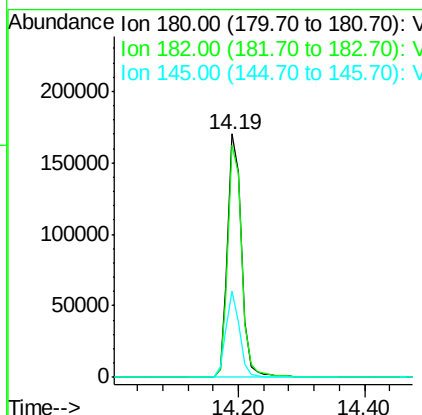
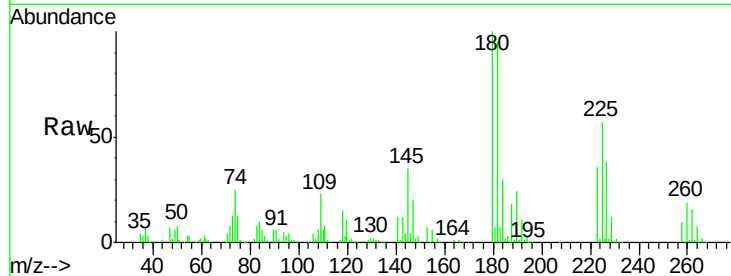




#93
 1,2,4-Trichlorobenzene
 Concen: 49.242 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

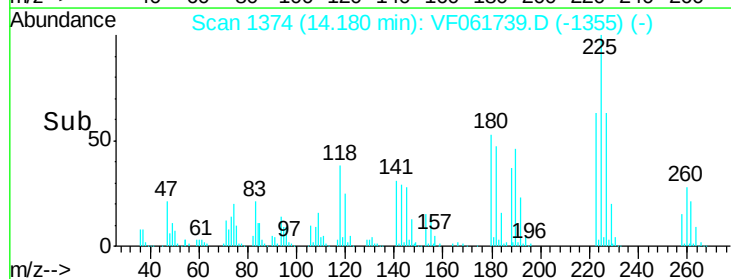
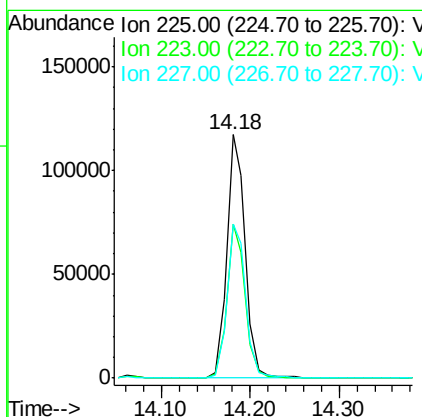
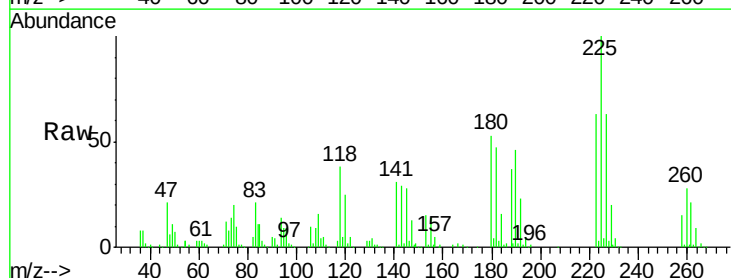
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

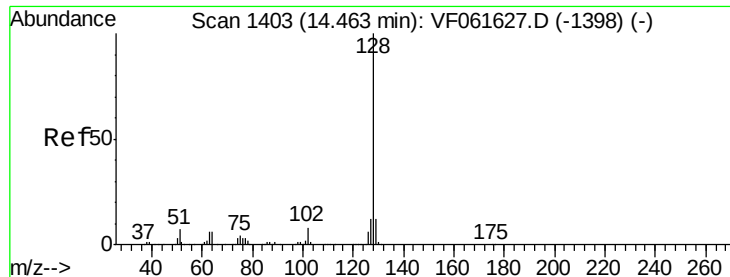
Tot Ion:180 Resp: 261727
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.6 145.9
 145 35.5 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 52.483 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF061739.D
 Acq: 25 Feb 2019 19:58

Tgt Ion:225 Resp: 172280
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.7
 227 63.4 32.1 96.3

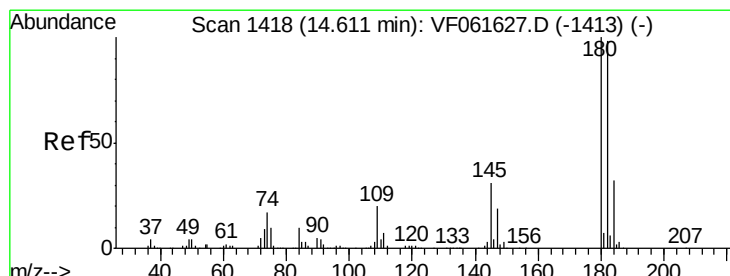
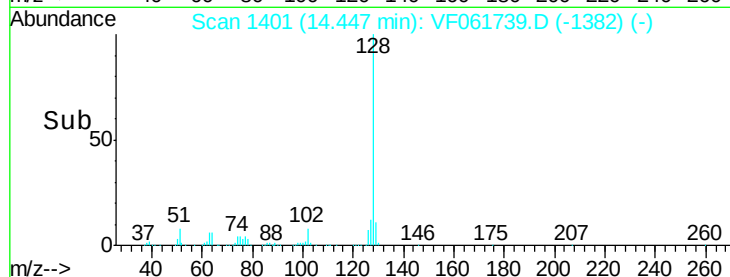
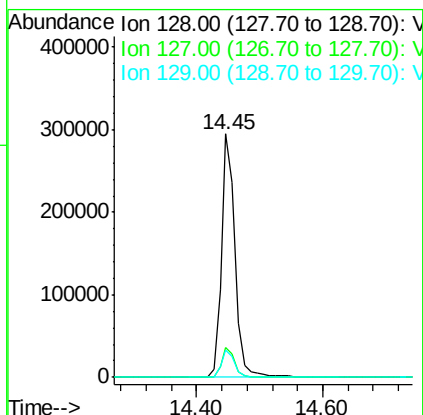
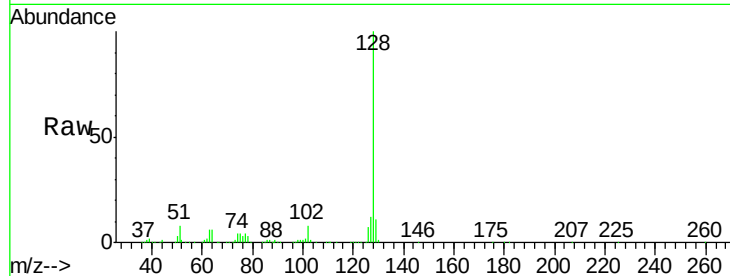




#95
Naphthalene
Concen: 48.274 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 448926
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.6
129 11.2 9.4 14.2



#96
1,2,3-Trichlorobenzene
Concen: 50.946 ug/l
RT: 14.59 min Scan# 1416
Delta R.T. -0.02 min
Lab File: VF061739.D
Acq: 25 Feb 2019 19:58

Tgt Ion:180 Resp: 248540
Ion Ratio Lower Upper
180 100
182 95.3 49.0 147.2
145 32.2 15.4 46.1

