

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112718\
 Data File : VF060835.D
 Acq On : 27 Nov 2018 13:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 28 03:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	212420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	351723	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	330005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	170836	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	121949	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	4.14	113	139748	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	7.57	98	414297	50.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.43	95	183592	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	147920	46.573	ug/l	100
3) Chloromethane	1.11	50	98170	47.500	ug/l	94
4) Vinyl Chloride	1.14	62	100105	51.927	ug/l	89
5) Bromomethane	1.32	94	67491	49.648	ug/l	86
6) Chloroethane	1.40	64	44358	53.230	ug/l	90
7) Trichlorofluoromethane	1.49	101	198662	48.029	ug/l	94
8) Diethyl Ether	1.64	74	29880	50.236	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.85	101	99172	47.426	ug/l	95
10) Methyl Iodide	1.92	142	127169	40.009	ug/l	97
11) Tert butyl alcohol	2.59	59	27435	267.453	ug/l	100
12) 1,1-Dichloroethene	1.80	96	81617	48.525	ug/l	88
13) Acrolein	2.01	56	26831	276.068	ug/l	100
14) Allyl chloride	2.11	41	100039	47.719	ug/l	98
15) Acrylonitrile	2.97	53	56212	244.429	ug/l	97
16) Acetone	2.26	43	135150	292.879	ug/l	98
17) Carbon Disulfide	1.84	76	169142	37.506	ug/l	98
18) Methyl Acetate	2.36	43	40986	53.042	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	181217	47.837	ug/l	96
20) Methylene Chloride	2.27	84	49929	29.494	ug/l	90
21) trans-1,2-Dichloroethene	2.33	96	65507	40.398	ug/l	97
22) Diisopropyl ether	2.82	45	269120	47.161	ug/l	99
23) Vinyl Acetate	3.21	43	715742	274.393	ug/l	98
24) 1,1-Dichloroethane	2.89	63	165271	48.679	ug/l	99
25) 2-Butanone	4.36	43	211278	264.709	ug/l	97
26) 2,2-Dichloropropane	3.63	77	97066	44.099	ug/l	99
27) cis-1,2-Dichloroethene	3.50	96	127363	48.246	ug/l	99
28) Bromochloromethane	3.75	49	82139	50.411	ug/l	97
29) Tetrahydrofuran	4.10	42	85648	253.153	ug/l	95
30) Chloroform	3.88	83	234111	44.804	ug/l	99
31) Cyclohexane	3.72	56	96322	27.337	ug/l	94
32) 1,1,1-Trichloroethane	4.12	97	148732	41.043	ug/l	94
36) 1,1-Dichloropropene	4.31	75	187280	48.006	ug/l	97
37) Ethyl Acetate	4.14	43	79282	50.009	ug/l #	82
38) Carbon Tetrachloride	4.02	117	143338	41.599	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	170570	41.721	ug/l	97
40) Benzene	4.66	78	420678	48.811	ug/l	98
41) Methacrylonitrile	4.77	41	40925	49.847	ug/l	92
42) 1,2-Dichloroethane	4.97	62	150941	47.972	ug/l	98
43) Isopropyl Acetate	6.98	43	99168	50.739	ug/l	93
44) Trichloroethene	5.53	130	128571	45.625	ug/l	95
45) 1,2-Dichloropropane	6.26	63	114464	51.138	ug/l	98
46) Dibromomethane	6.11	93	71528	47.107	ug/l	97
47) Bromodichloromethane	6.41	83	189822	47.068	ug/l	99
48) Methyl methacrylate	6.74	41	66833	46.573	ug/l	95
49) 1,4-Dioxane	6.74	88	10841	1032.240	ug/l #	77
51) 4-Methyl-2-Pentanone	8.28	43	353958	242.115	ug/l	99
52) Toluene	7.65	92	283428	46.818	ug/l	100
53) t-1,3-Dichloropropene	8.30	75	149976	45.719	ug/l	98
54) cis-1,3-Dichloropropene	7.33	75	198687	48.925	ug/l	96
55) 1,1,2-Trichloroethane	8.52	97	84369	47.828	ug/l	95
56) Ethyl methacrylate	8.65	69	93817	47.876	ug/l	96
57) 1,3-Dichloropropane	8.88	76	151152	48.977	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.33	63	45985	229.425	ug/l	97
59) 2-Hexanone	9.52	43	263305	256.723	ug/l	98
60) Dibromochloromethane	8.75	129	122411	46.574	ug/l	98
61) 1,2-Dibromoethane	9.02	107	90687	47.589	ug/l	100
64) Tetrachloroethene	8.18	164	118205	46.896	ug/l	97
65) Chlorobenzene	9.83	112	313090	48.769	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.96	131	133692	48.441	ug/l	93
67) Ethyl Benzene	9.93	91	578031	48.363	ug/l	97
68) m/p-Xylenes	10.16	106	405911	94.429	ug/l	98
69) o-Xylene	10.74	106	234061	49.379	ug/l	98
70) Styrene	10.82	104	302542	46.043	ug/l	98
71) Bromoform	10.80	173	65481	49.119	ug/l	96
73) Isopropylbenzene	11.14	105	657693	48.717	ug/l	100
74) N-amyl acetate	11.39	43	159265	51.088	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	113398	51.037	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	80899	50.092	ug/l	91
77) Bromobenzene	11.52	156	139969	47.290	ug/l	85
78) n-propylbenzene	11.62	91	757028	47.883	ug/l	96
79) 2-Chlorotoluene	11.75	91	447044	49.314	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	526592	48.047	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.89	75	49984	63.168	ug/l	93
82) 4-Chlorotoluene	11.92	91	444588	46.602	ug/l	95
83) tert-Butylbenzene	12.15	119	548585	49.139	ug/l	98
84) 1,2,4-Trimethylbenzene	12.23	105	501312	45.831	ug/l	99
85) sec-Butylbenzene	12.33	105	727646	47.612	ug/l	99
86) p-Isopropyltoluene	12.49	119	588567	45.935	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	260188	46.215	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	260619	47.501	ug/l	97
89) n-Butylbenzene	12.86	91	579003	44.690	ug/l	97
90) Hexachloroethane	12.94	117	151763	49.187	ug/l	92
91) 1,2-Dichlorobenzene	12.97	146	250580	46.999	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	20694	48.173	ug/l	72

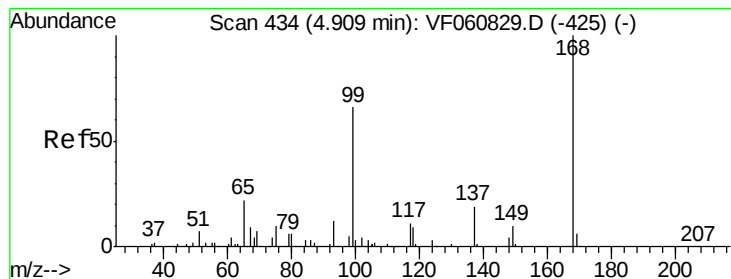
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	174418	46.820	ug/l	99
94) Hexachlorobutadiene	14.21	225	113194	45.581	ug/l	99
95) Naphthalene	14.48	128	364684	50.470	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	165497	47.845	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

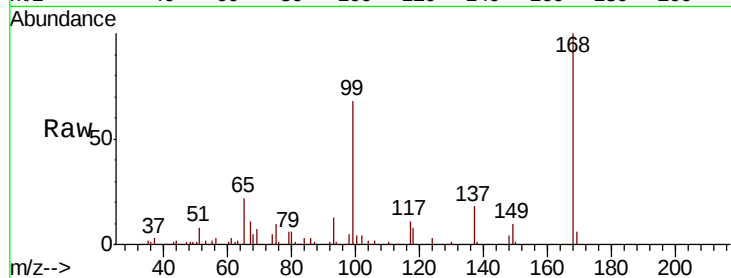
VSTDCCC050

Tot Ion:168 Resp: 212420

Ion Ratio Lower Upper

168 100

99 67.9 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

80000

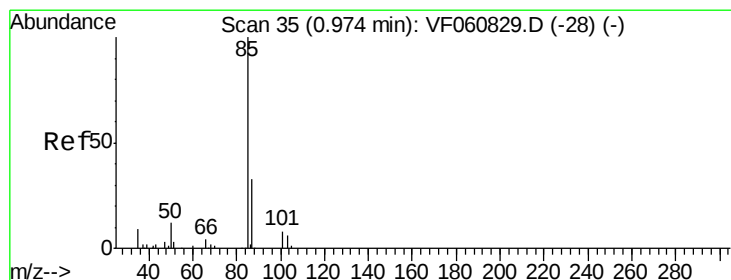
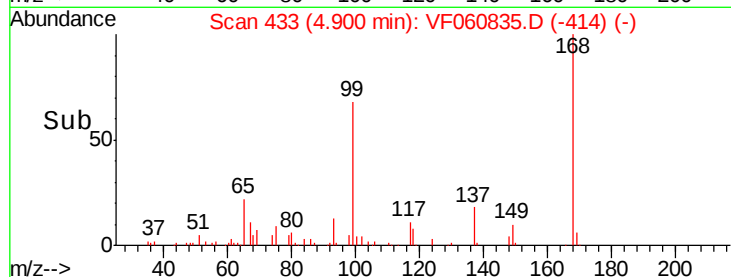
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 46.573 ug/l

RT: 0.96 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060835.D

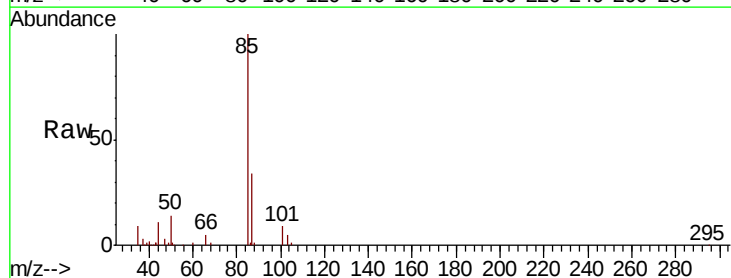
Acq: 27 Nov 2018 13:08

Tgt Ion: 85 Resp: 147920

Ion Ratio Lower Upper

85 100

87 33.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

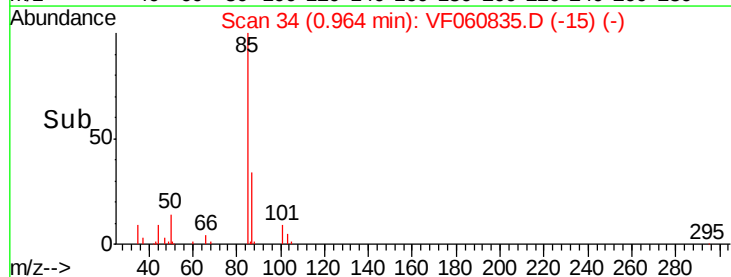
30000

20000

10000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 47.500 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

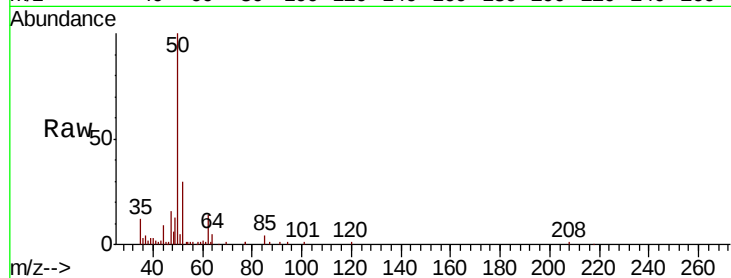
VSTDCCC050

Tot Ion: 50 Resp: 98170

Ion Ratio Lower Upper

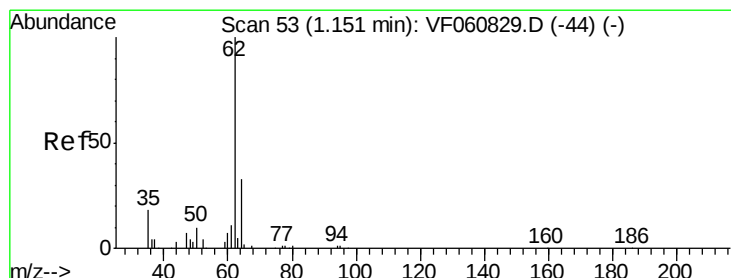
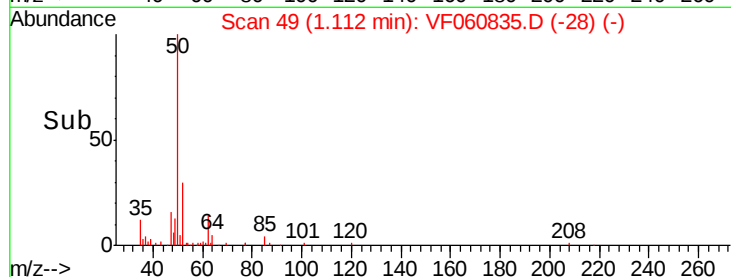
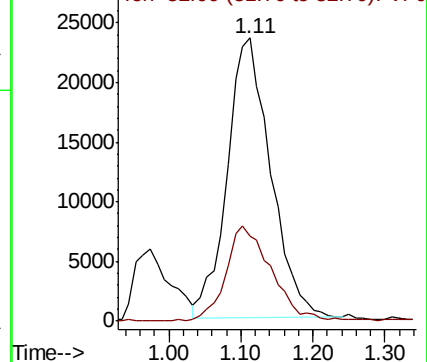
50 100

52 30.2 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 51.927 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060835.D

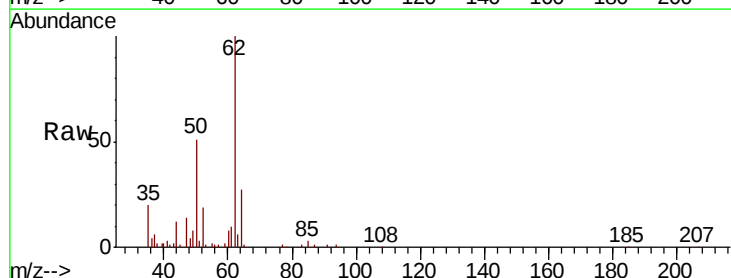
Acq: 27 Nov 2018 13:08

Tgt Ion: 62 Resp: 100105

Ion Ratio Lower Upper

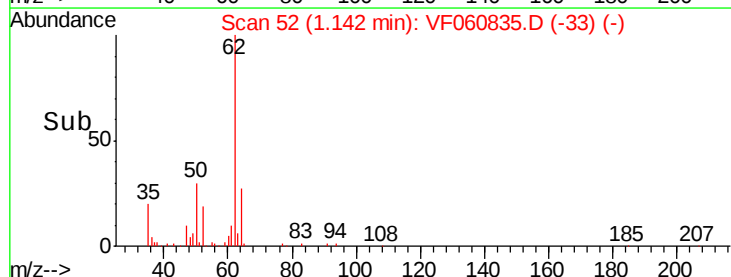
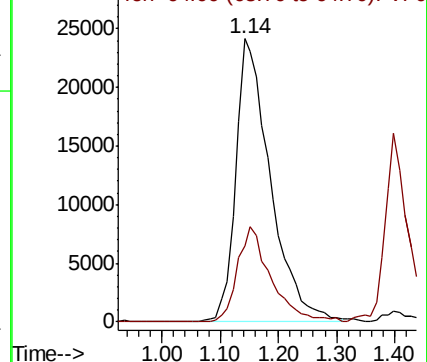
62 100

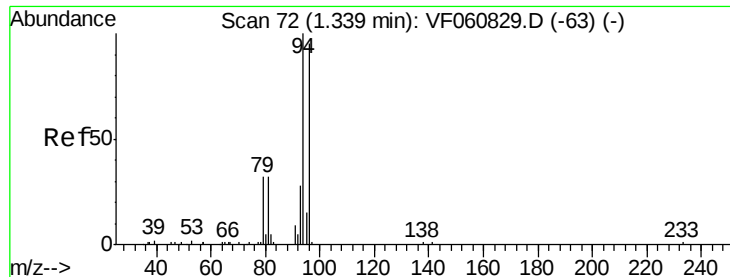
64 26.9 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 49.648 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

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ClientSampleId :

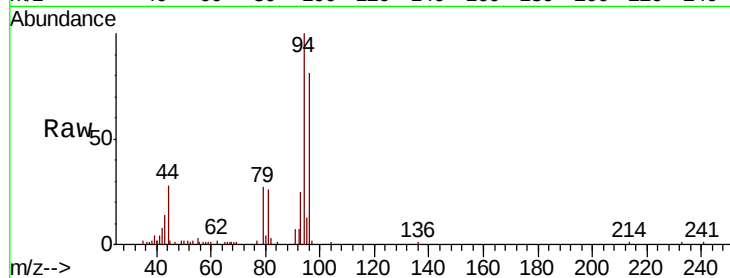
VSTDCCC050

Tot Ion: 94 Resp: 67491

Ion Ratio Lower Upper

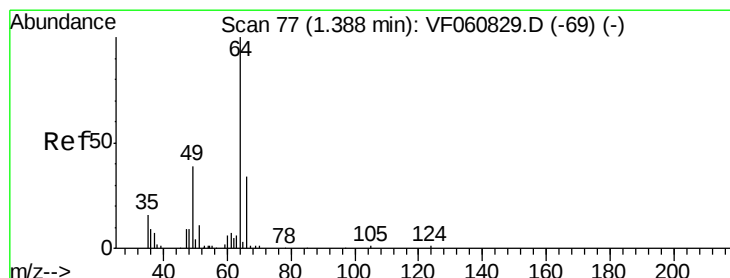
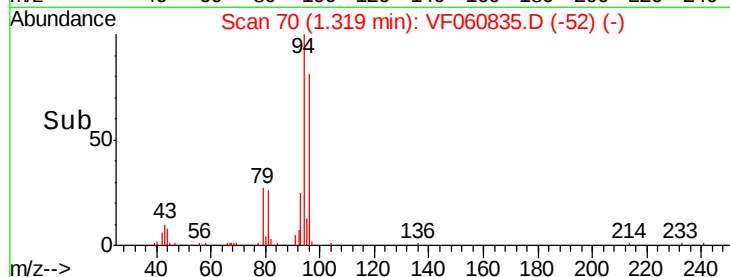
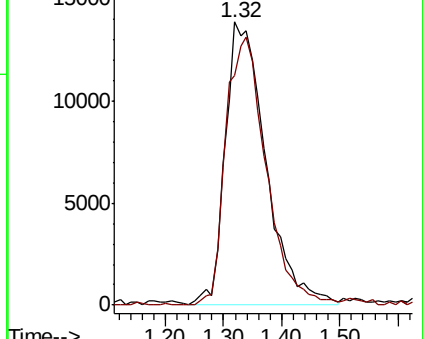
94 100

96 81.1 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 53.230 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060835.D

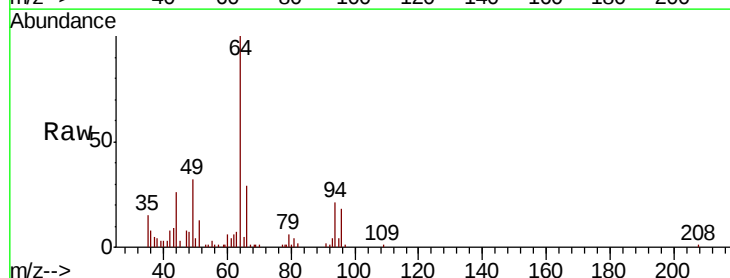
Acq: 27 Nov 2018 13:08

Tgt Ion: 64 Resp: 44358

Ion Ratio Lower Upper

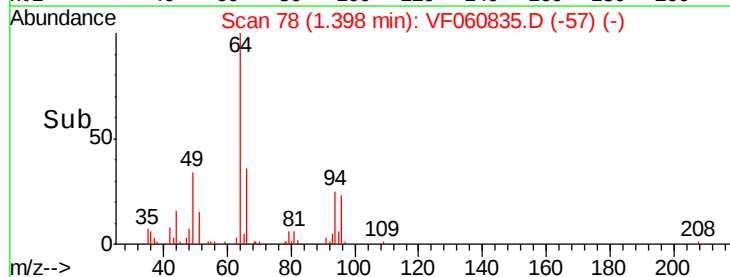
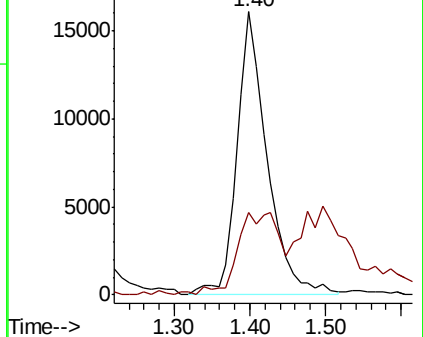
64 100

66 29.2 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 48.029 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

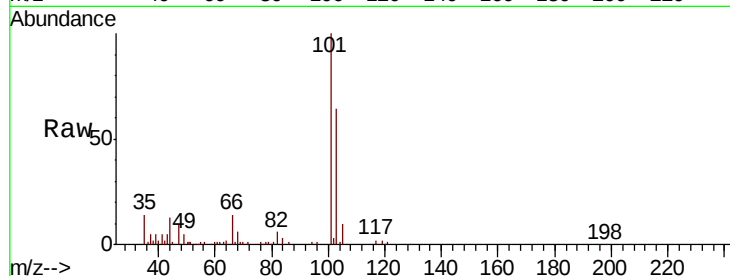
VSTDCCC050

Tot Ion:101 Resp: 198662

Ion Ratio Lower Upper

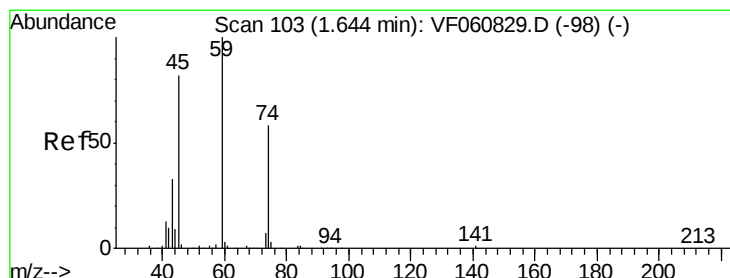
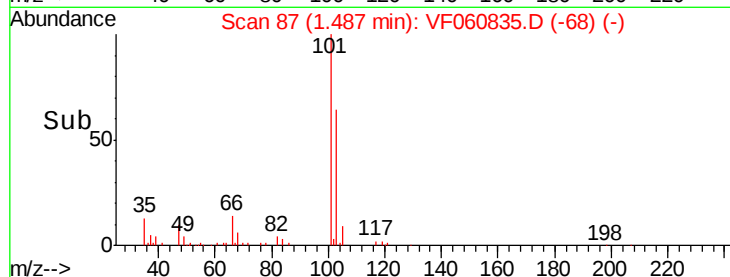
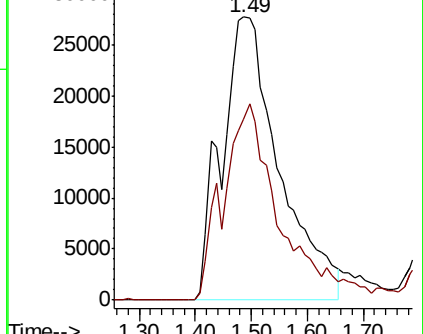
101 100

103 64.0 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.236 ug/l

RT: 1.64 min Scan# 103

Delta R.T. 0.00 min

Lab File: VF060835.D

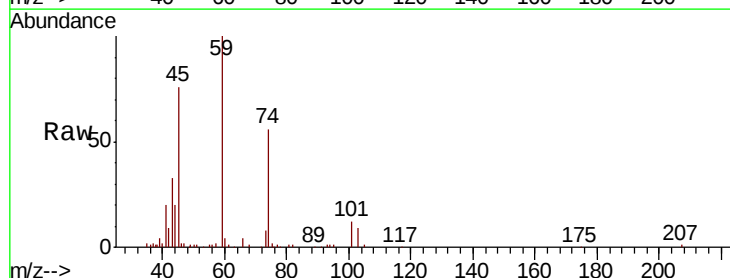
Acq: 27 Nov 2018 13:08

Tgt Ion: 74 Resp: 29880

Ion Ratio Lower Upper

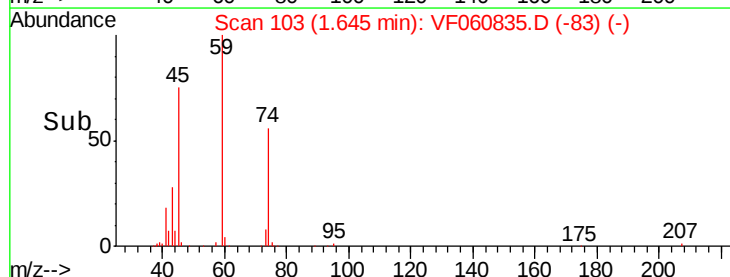
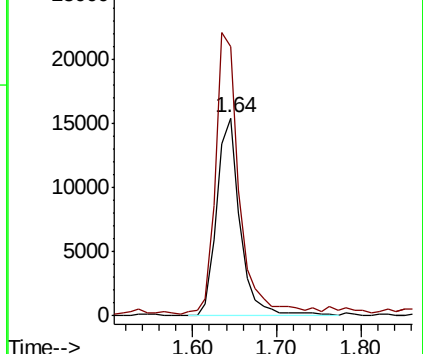
74 100

45 135.7 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.426 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

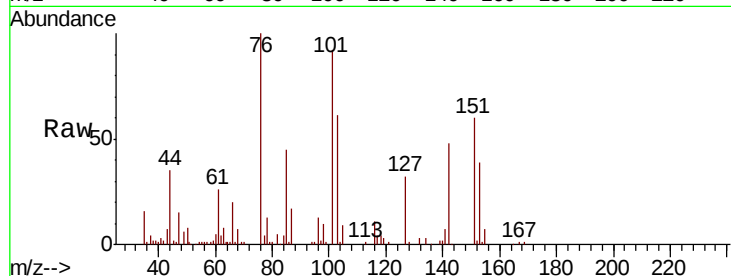
Tot Ion:101 Resp: 99172

Ion Ratio Lower Upper

101 100

85 49.5 42.8 64.2

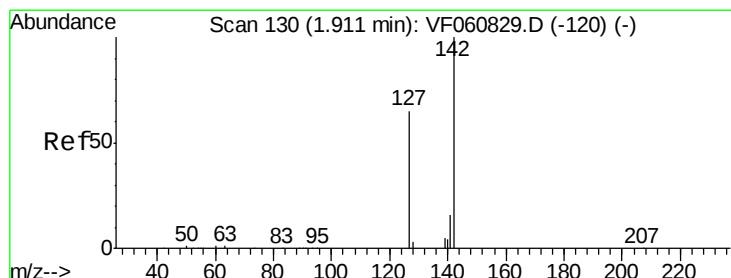
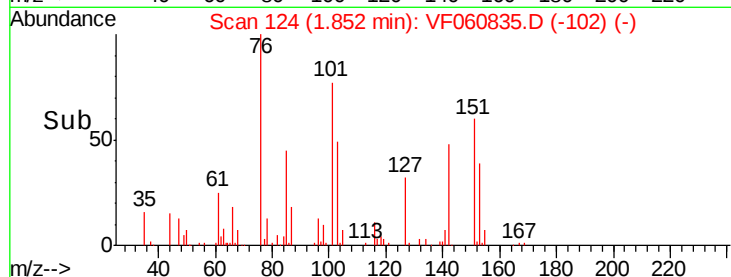
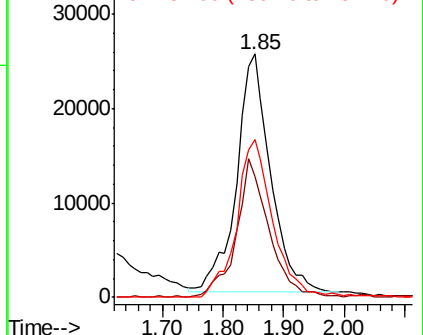
151 65.0 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 40.009 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

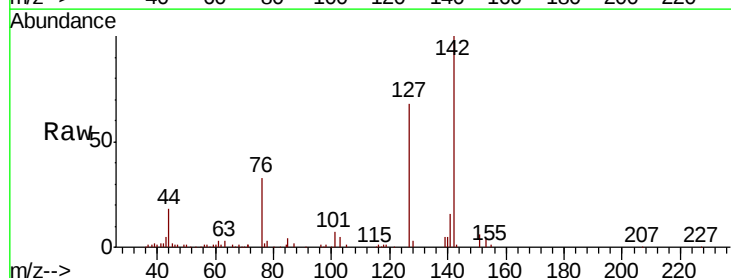
Tgt Ion:142 Resp: 127169

Ion Ratio Lower Upper

142 100

127 67.6 51.9 77.9

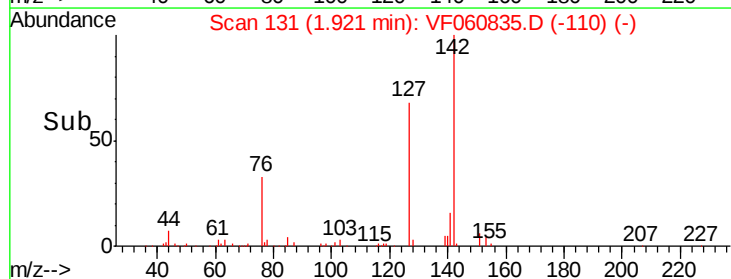
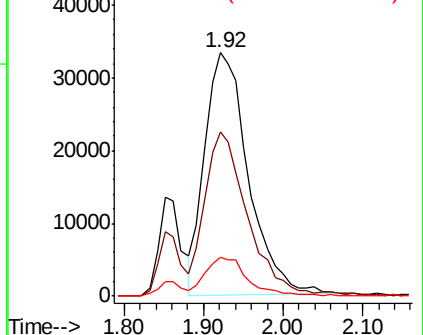
141 15.9 12.7 19.1

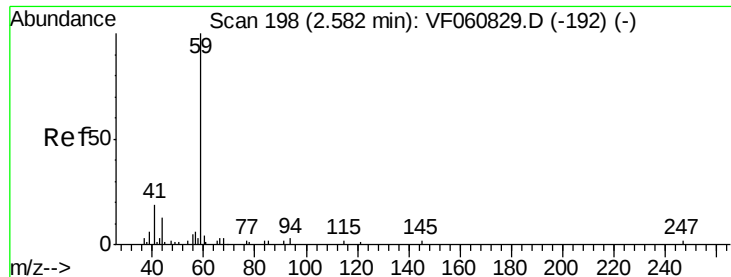


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

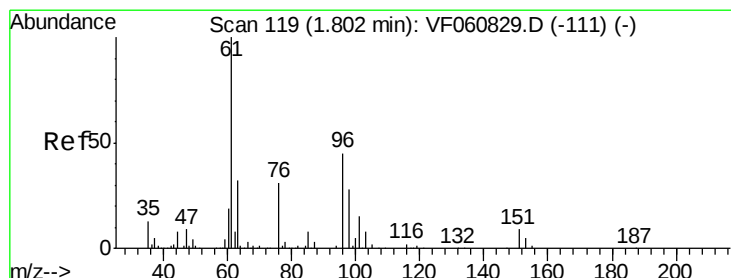
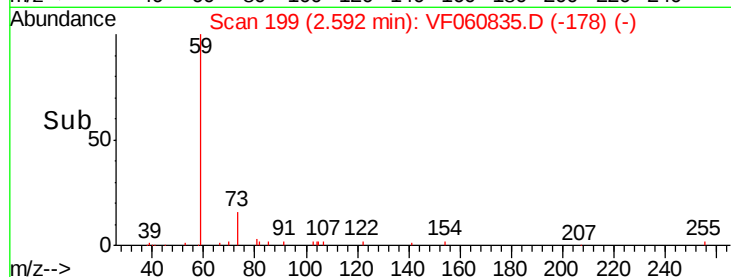
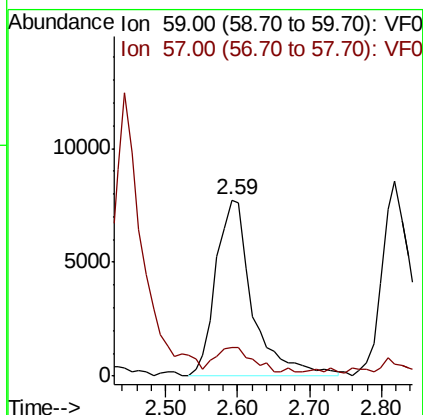
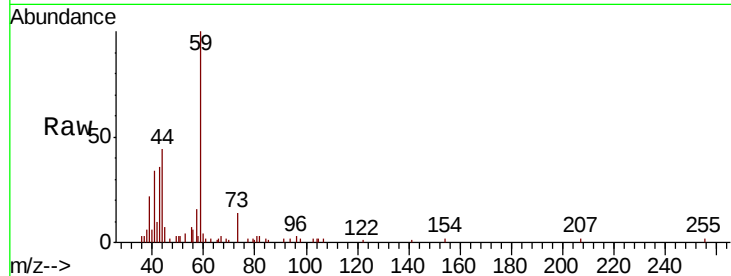




#11
Tert butyl alcohol
Concen: 267.453 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

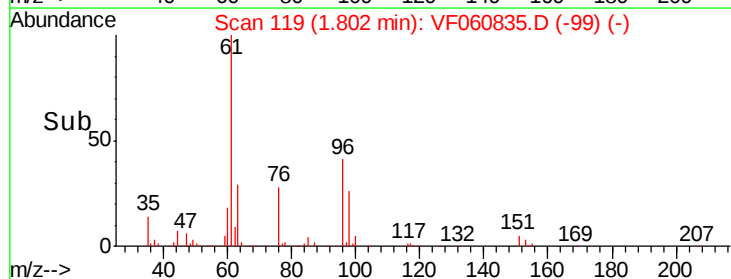
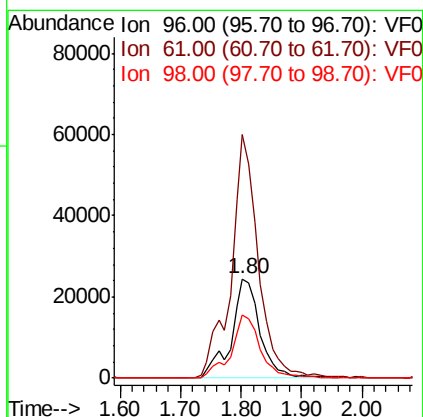
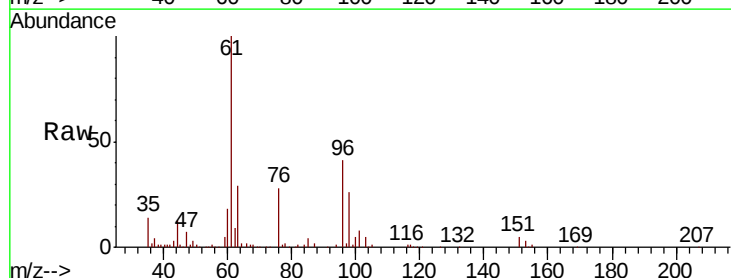
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

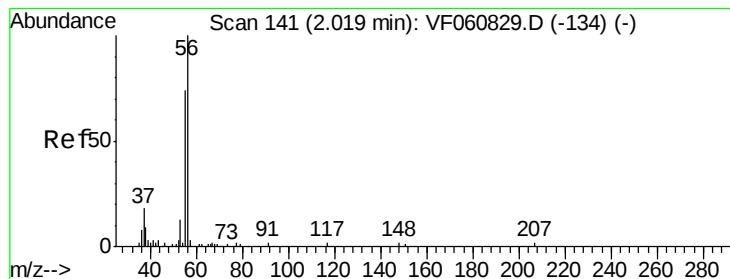
Tot Ion: 59 Resp: 27435
Ion Ratio Lower Upper
59 100
57 16.1 12.7 19.1



#12
1,1-Dichloroethene
Concen: 48.525 ug/l
RT: 1.80 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 96 Resp: 81617
Ion Ratio Lower Upper
96 100
61 244.9 177.3 265.9
98 63.2 49.6 74.4





#13

Acrolein

Concen: 276.068 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

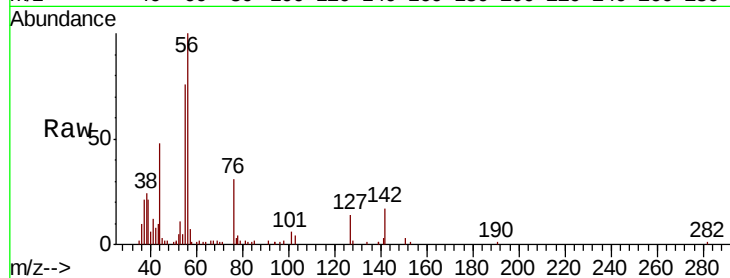
VSTDCCC050

Tot Ion: 56 Resp: 26831

Ion Ratio Lower Upper

56 100

55 76.5 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

10000

8000

6000

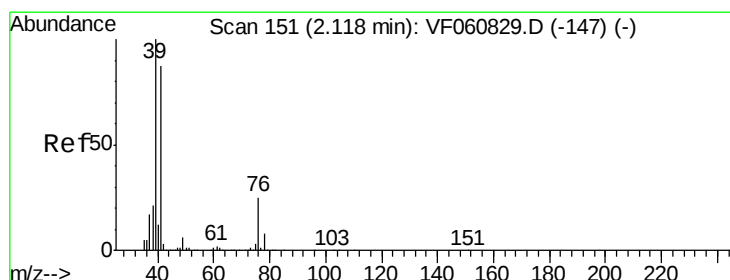
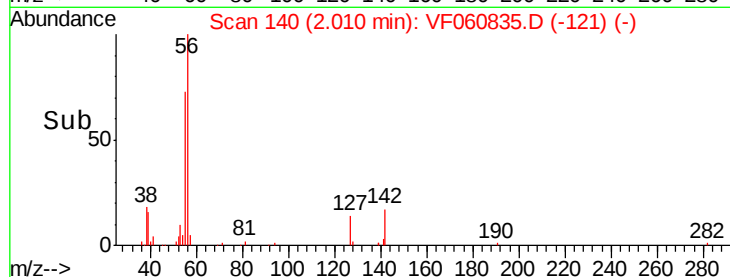
4000

2000

0

1.90 2.00 2.10 2.20

Time-->



#14

Allyl chloride

Concen: 47.719 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

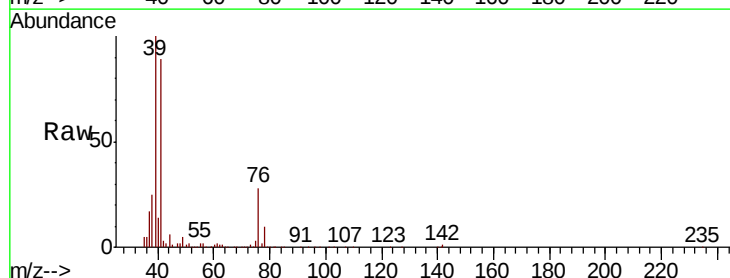
Tgt Ion: 41 Resp: 100039

Ion Ratio Lower Upper

41 100

39 112.4 91.7 137.5

76 31.4 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.11

60000

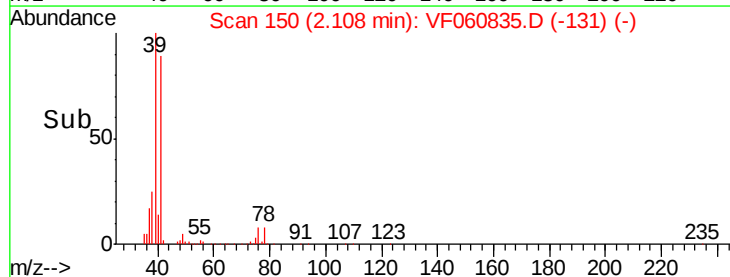
40000

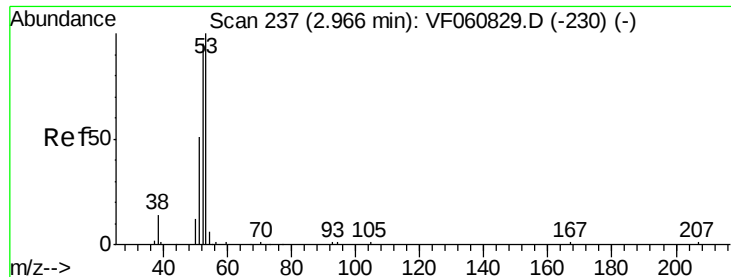
20000

0

2.00 2.05 2.10 2.15 2.20

Time-->





#15

Acrylonitrile

Concen: 244.429 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

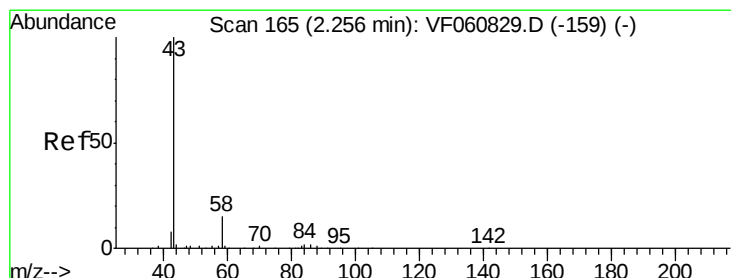
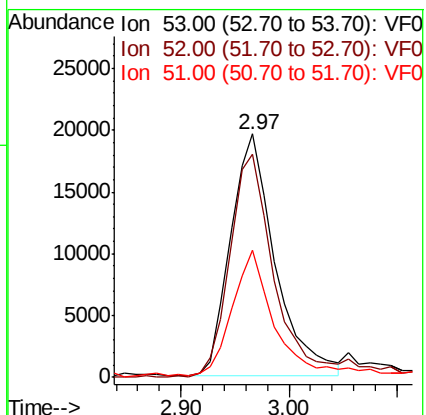
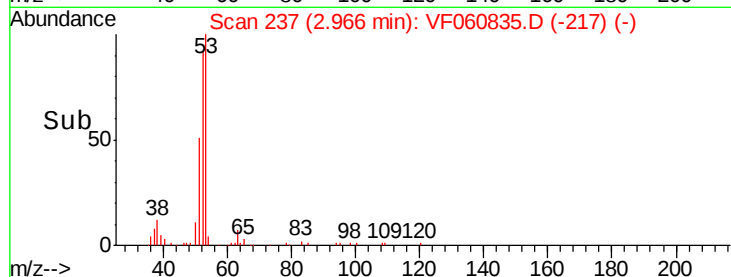
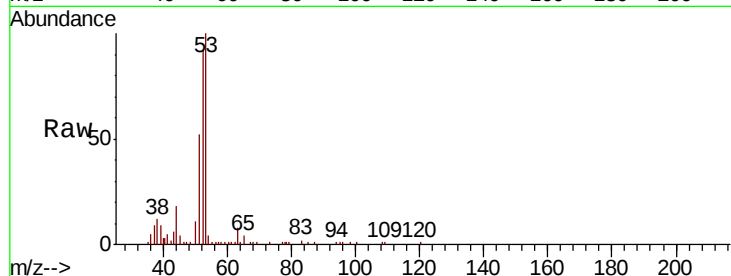
Tot Ion: 53 Resp: 56212

Ion Ratio Lower Upper

53 100

52 91.8 76.5 114.7

51 52.0 40.7 61.1



#16

Acetone

Concen: 292.879 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060835.D

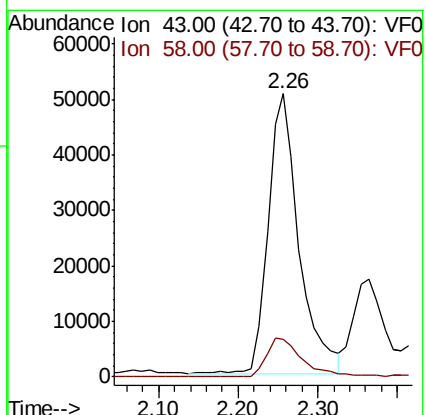
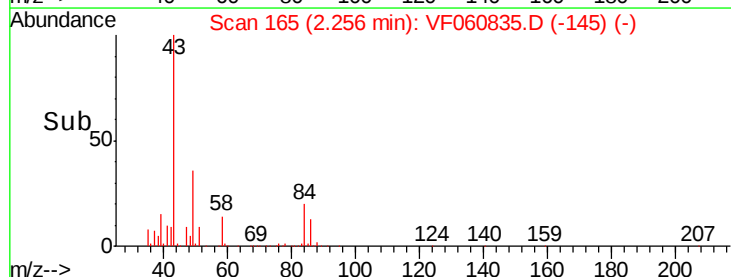
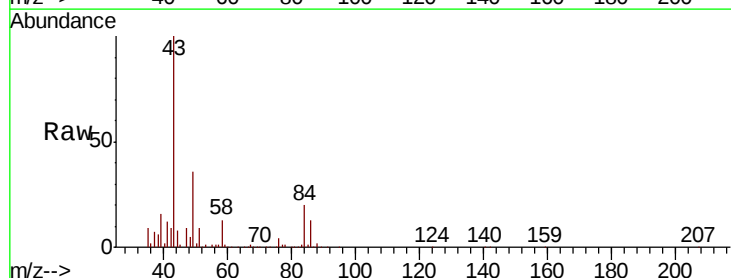
Acq: 27 Nov 2018 13:08

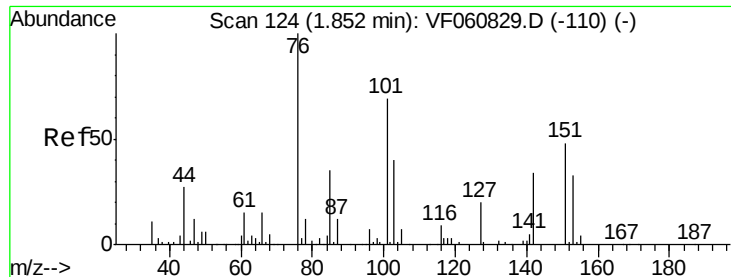
Tgt Ion: 43 Resp: 135150

Ion Ratio Lower Upper

43 100

58 13.3 11.4 17.2

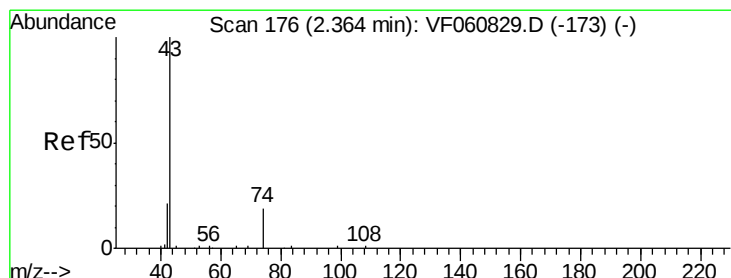
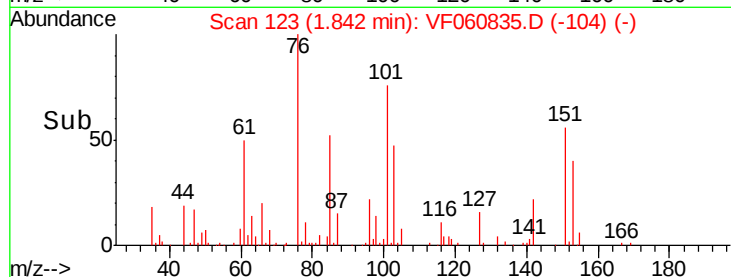
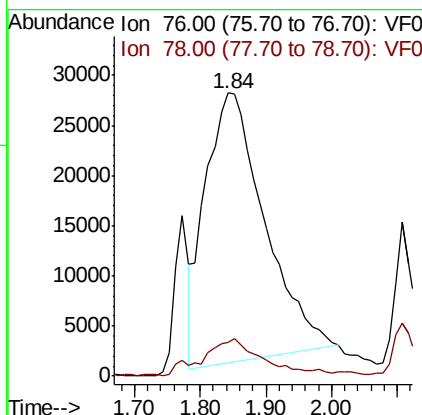
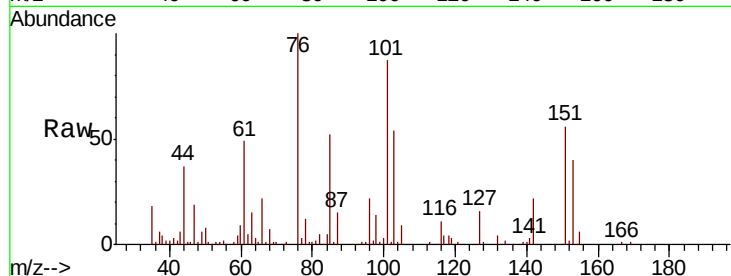




#17
Carbon Disulfide
Concen: 37.506 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

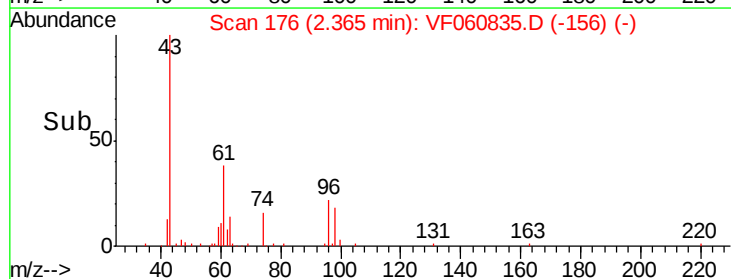
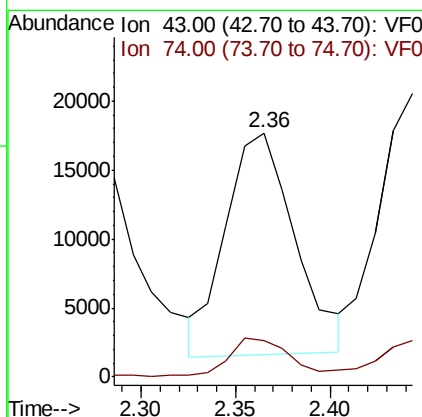
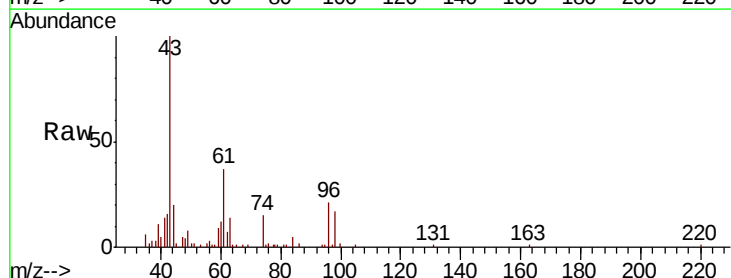
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

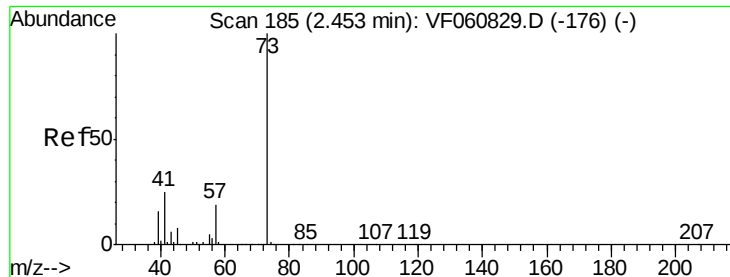
Tot Ion: 76 Resp: 169142
Ion Ratio Lower Upper
76 100
78 11.7 10.2 15.2



#18
Methyl Acetate
Concen: 53.042 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 43 Resp: 40986
Ion Ratio Lower Upper
43 100
74 15.1 13.3 19.9

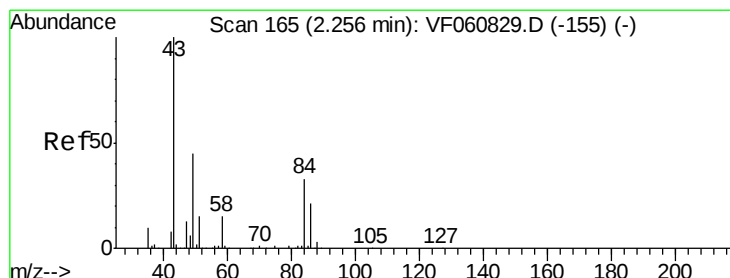
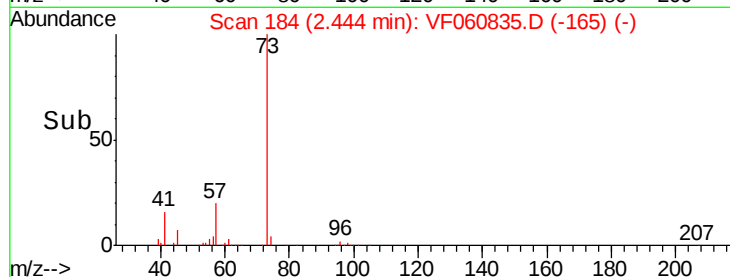
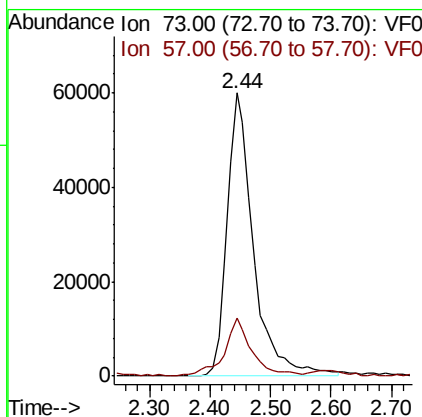
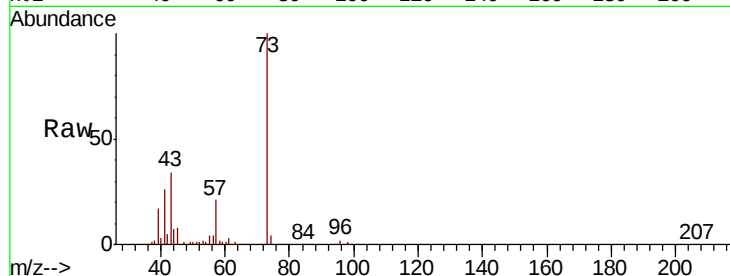




#19
Methvl tert-butvl Ether
Concen: 47.837 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

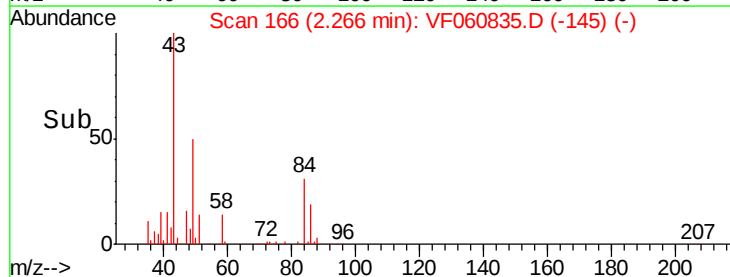
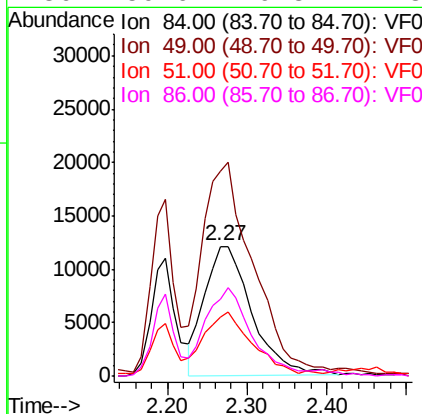
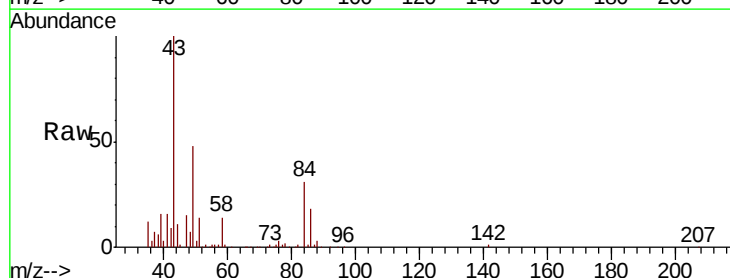
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

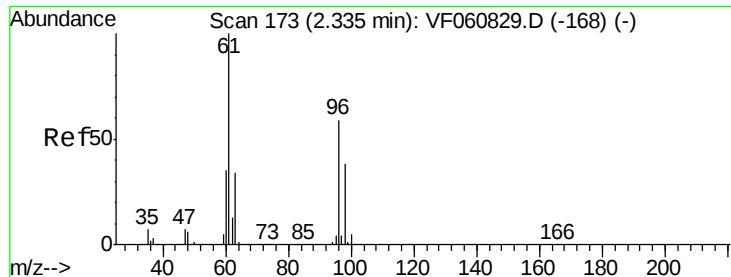
Tot Ion: 73 Resp: 181217
Ion Ratio Lower Upper
73 100
57 20.7 15.3 22.9



#20
Methylene Chloride
Concen: 29.494 ug/l
RT: 2.27 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 84 Resp: 49929
Ion Ratio Lower Upper
84 100
49 158.2 111.3 166.9
51 45.4 38.0 57.0
86 59.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 40.398 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

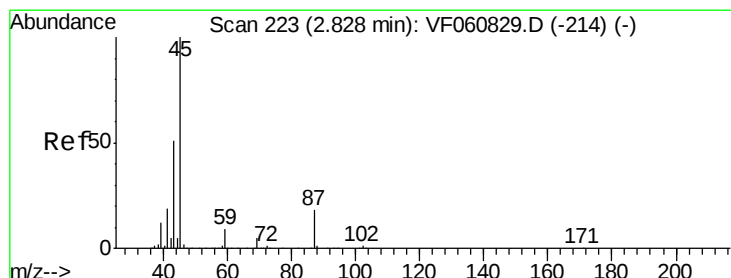
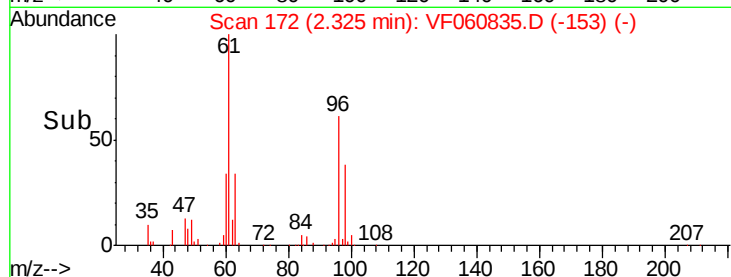
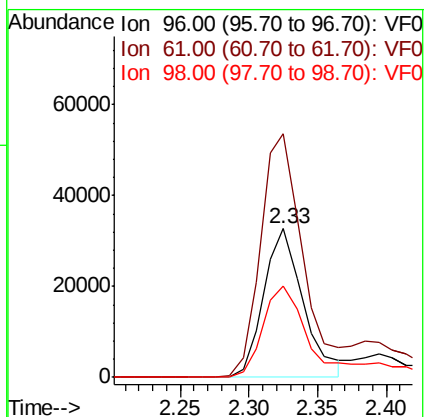
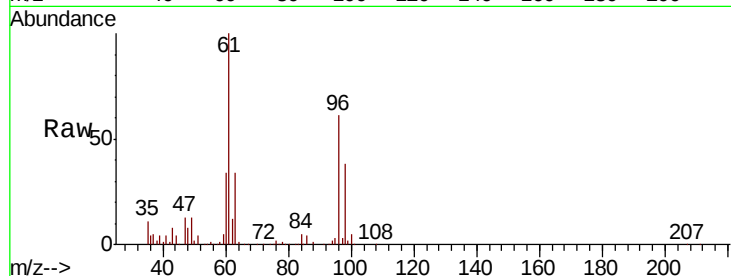
Tot Ion: 96 Resp: 65507

Ion Ratio Lower Upper

96 100

61 164.0 134.5 201.7

98 61.8 51.6 77.4



#22

Diisopropyl ether

Concen: 47.161 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Tgt Ion: 45 Resp: 269120

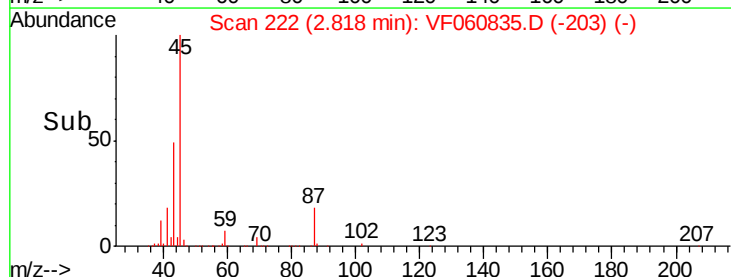
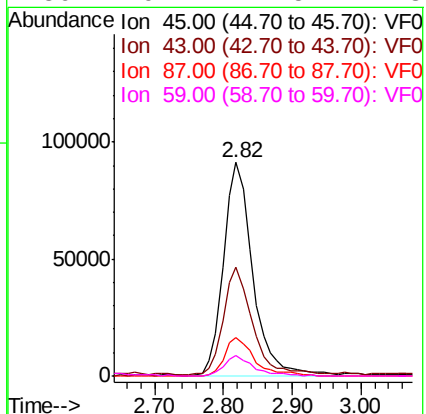
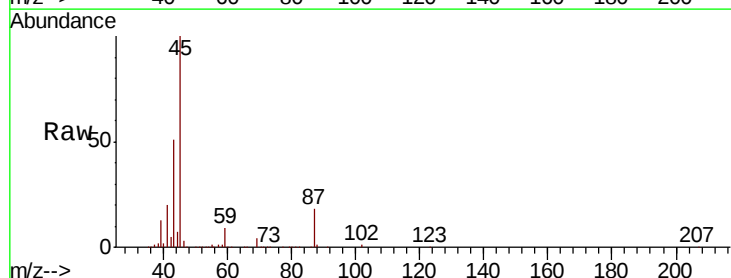
Ion Ratio Lower Upper

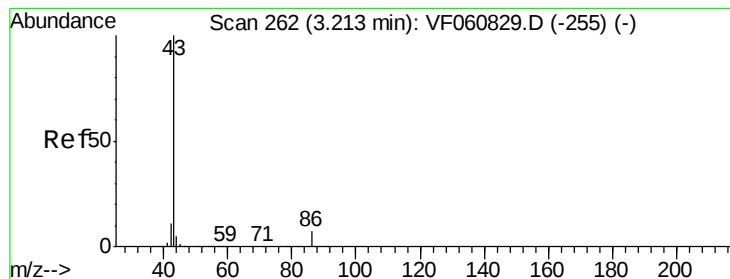
45 100

43 50.7 41.0 61.6

87 17.9 14.6 22.0

59 9.4 7.5 11.3





#23

Vinyl Acetate

Concen: 274.393 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

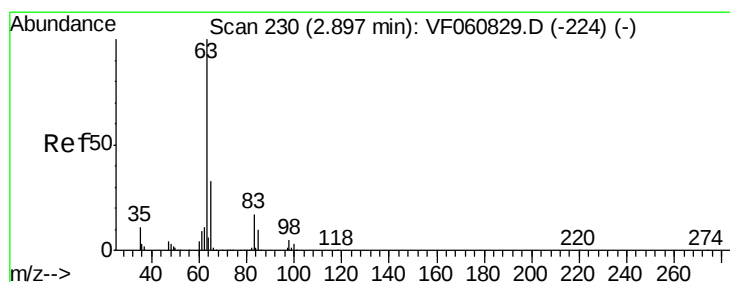
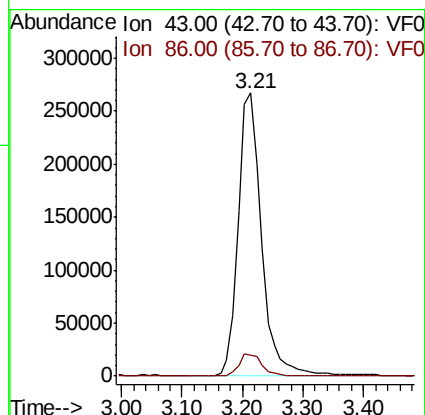
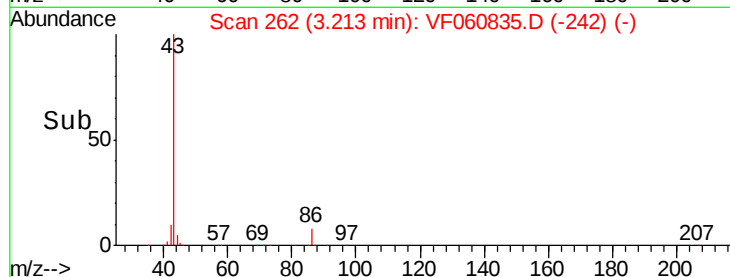
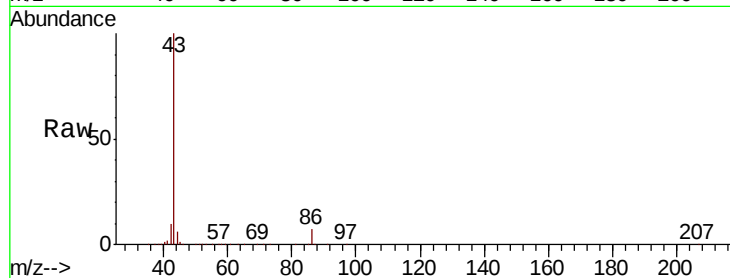
VSTDCCC050

Tot Ion: 43 Resp: 715742

Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0



#24

1,1-Dichloroethane

Concen: 48.679 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

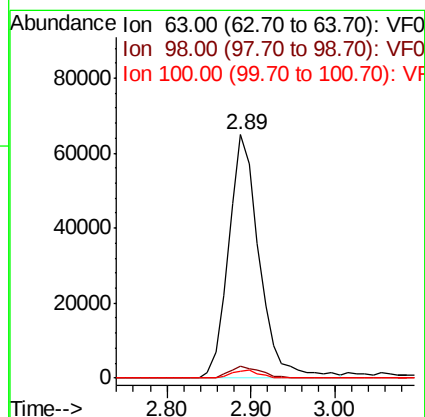
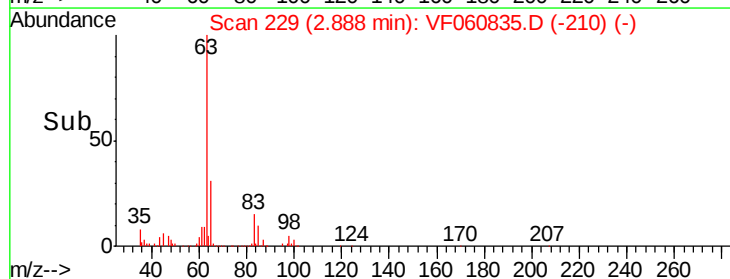
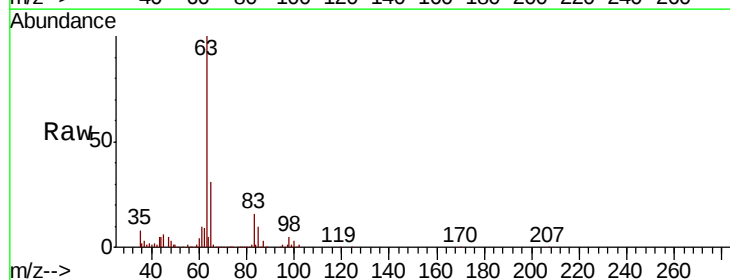
Tgt Ion: 63 Resp: 165271

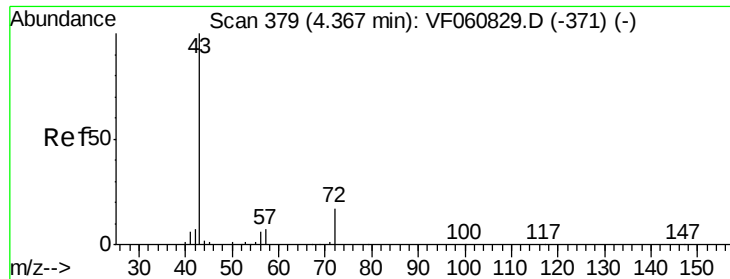
Ion Ratio Lower Upper

63 100

98 4.9 2.7 8.1

100 2.7 1.5 4.5





#25

2-Butanone

Concen: 264.709 ug/l

RT: 4.36 min Scan# 378

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

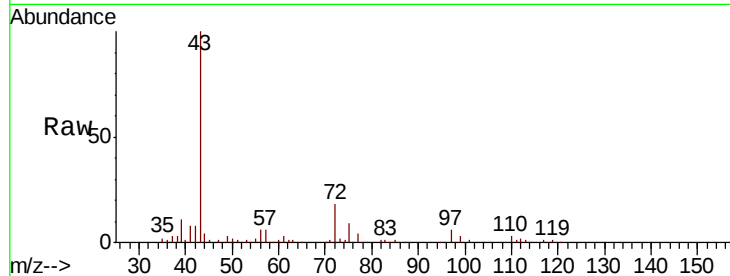
VSTDCCC050

Tot Ion: 43 Resp: 211278

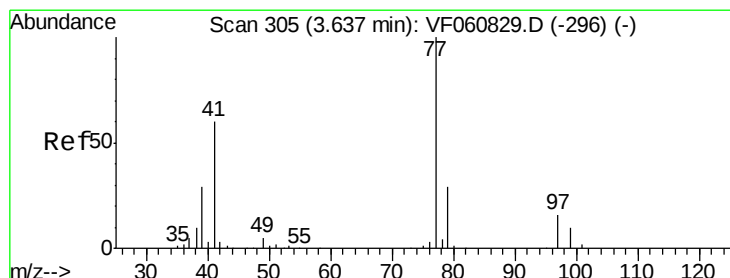
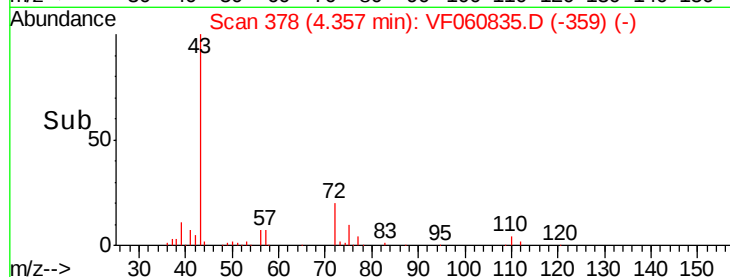
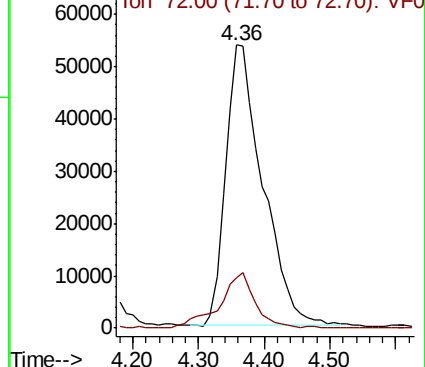
Ion Ratio Lower Upper

43 100

72 17.7 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0



#26

2,2-Dichloropropane

Concen: 44.099 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.01 min

Lab File: VF060835.D

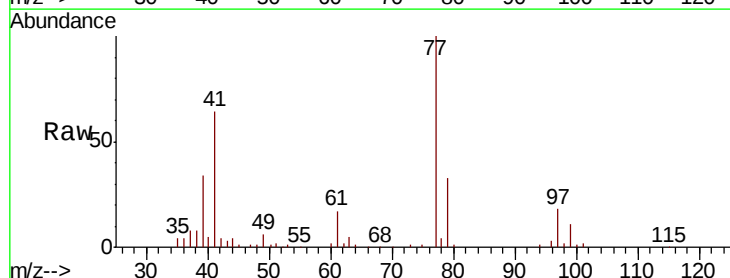
Acq: 27 Nov 2018 13:08

Tgt Ion: 77 Resp: 97066

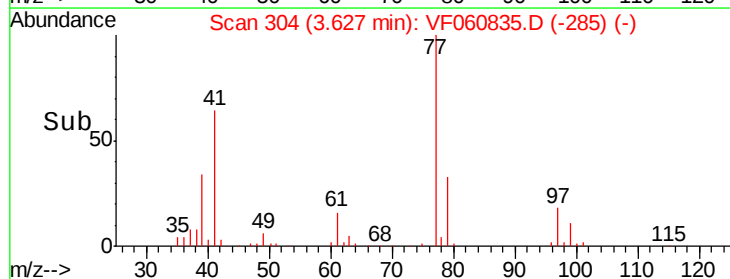
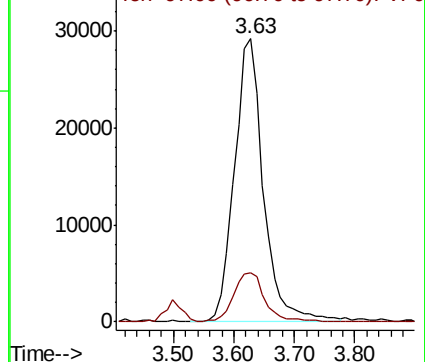
Ion Ratio Lower Upper

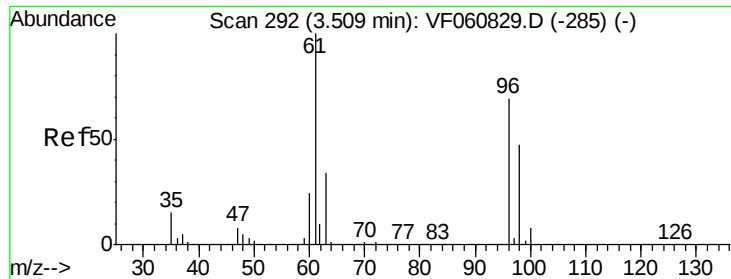
77 100

97 17.5 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0



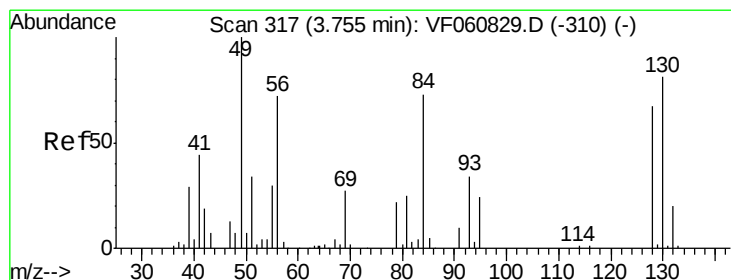
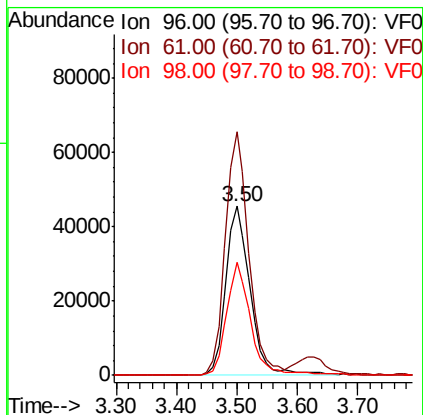
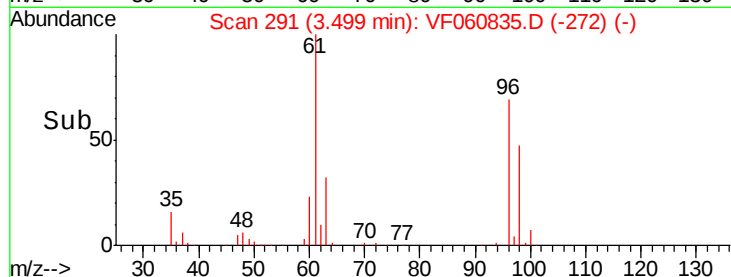
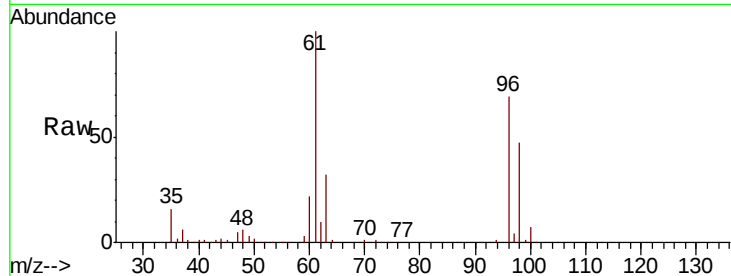


#27

cis-1,2-Dichloroethene
 Concen: 48.246 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

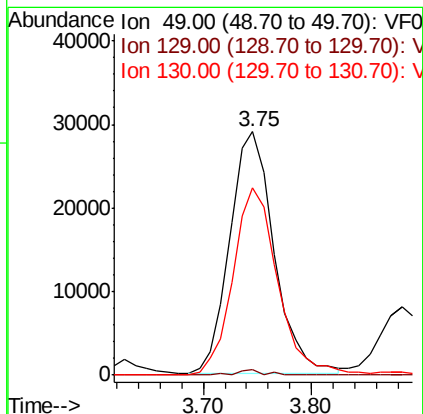
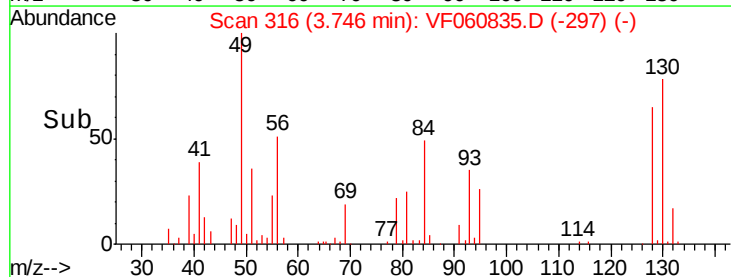
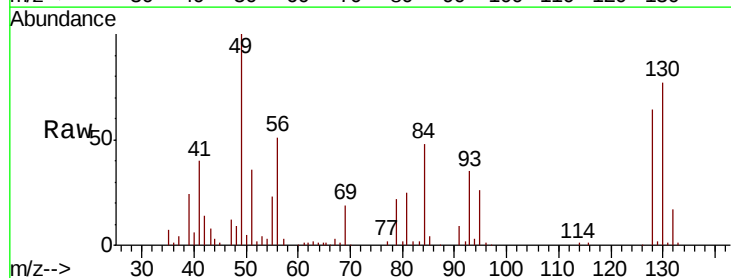
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	290.6
98	67.1	0.0	137.8

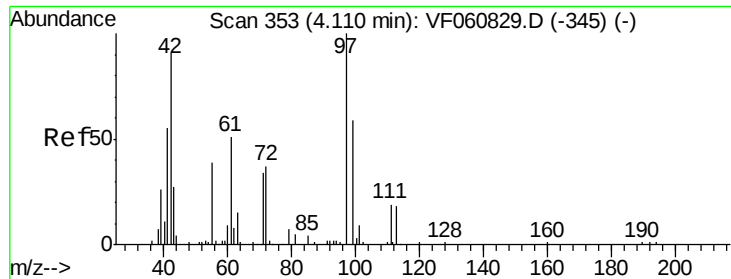


#28

Bromochloromethane
 Concen: 50.411 ug/l
 RT: 3.75 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	77.2	64.2	96.4

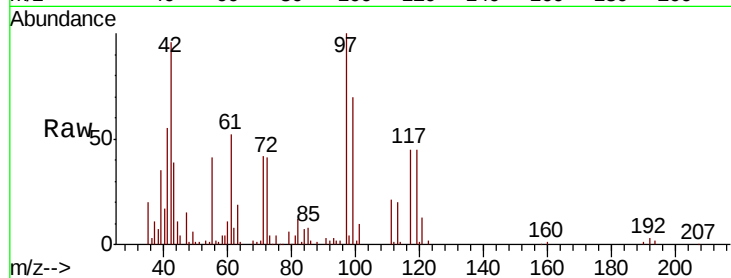




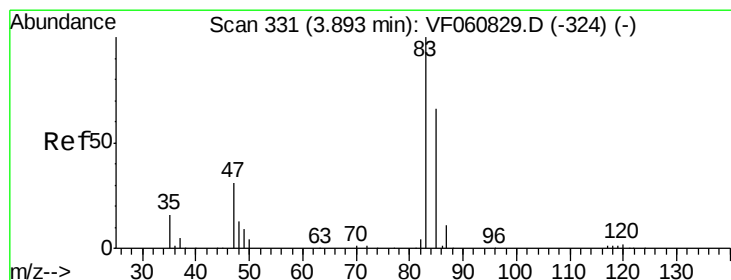
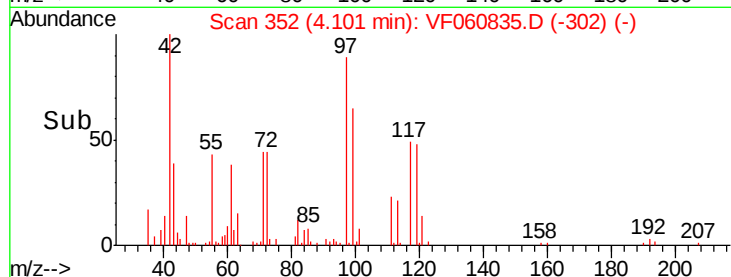
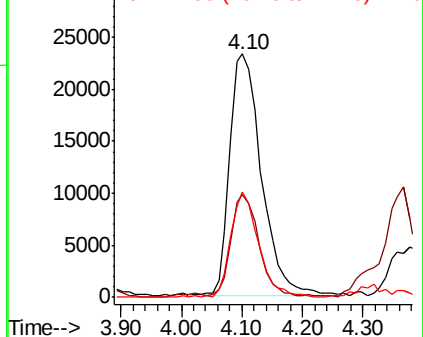
#29
Tetrahydrofuran
Concen: 253.153 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 85648
Ion Ratio Lower Upper
42 100
72 36.0 31.9 47.9
71 37.9 28.7 43.1

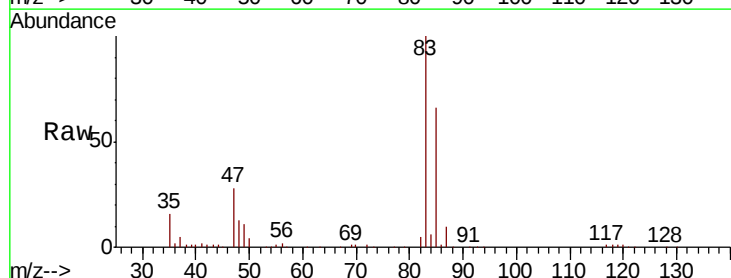


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

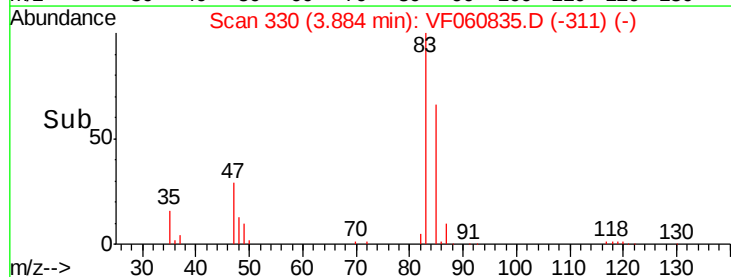
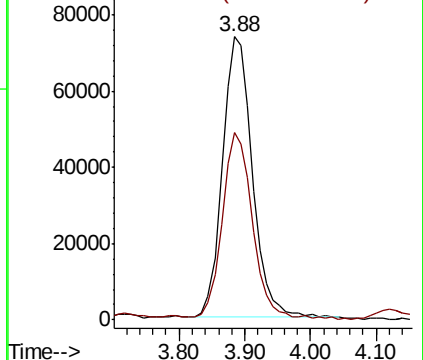


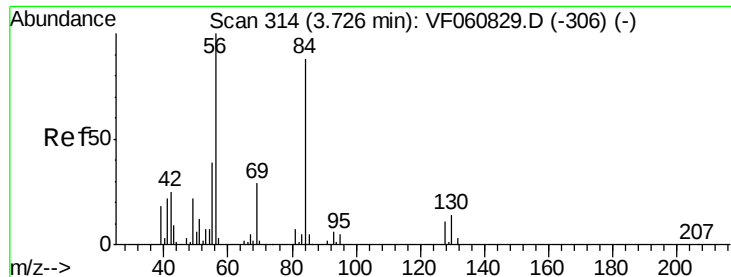
#30
Chloroform
Concen: 44.804 ug/l
RT: 3.88 min Scan# 330
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 83 Resp: 234111
Ion Ratio Lower Upper
83 100
85 66.2 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 27.337 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

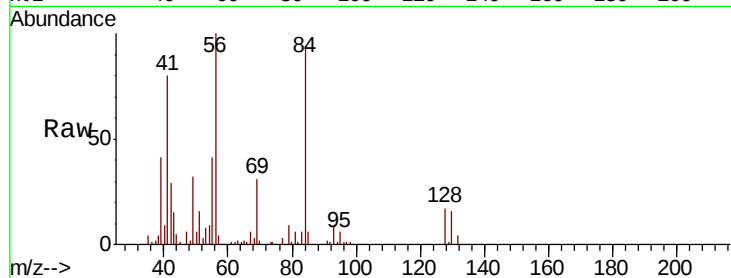
Tot Ion: 56 Resp: 96322

Ion Ratio Lower Upper

56 100

69 31.1 23.0 34.4

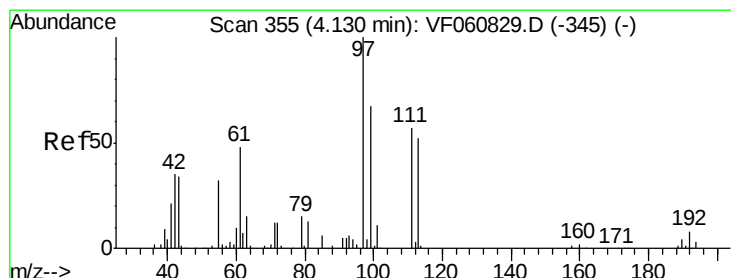
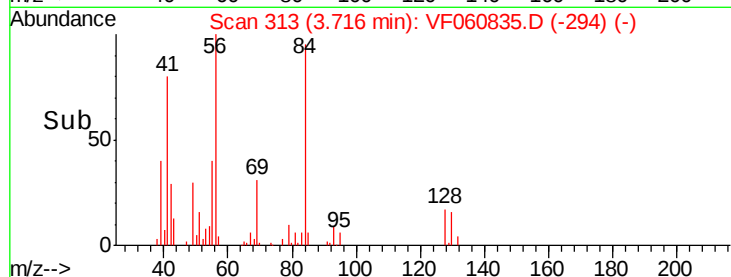
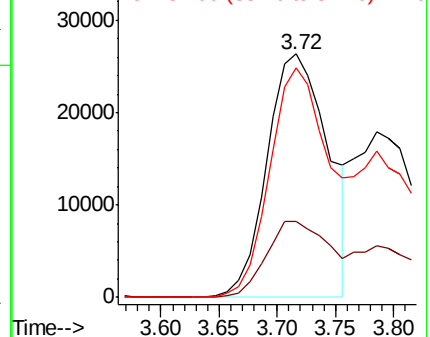
84 94.2 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 41.043 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

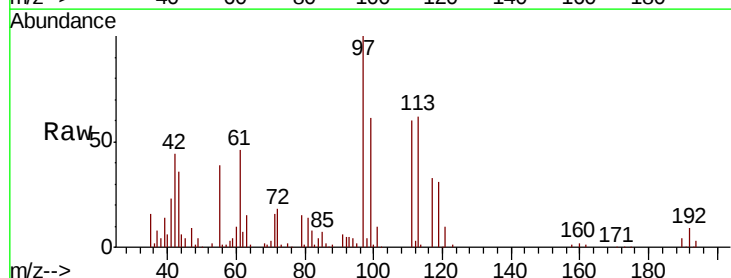
Tgt Ion: 97 Resp: 148732

Ion Ratio Lower Upper

97 100

99 61.0 53.5 80.3

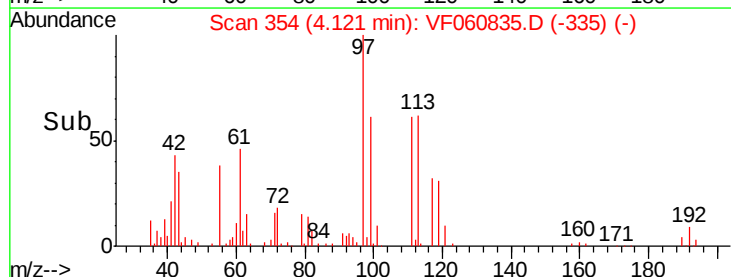
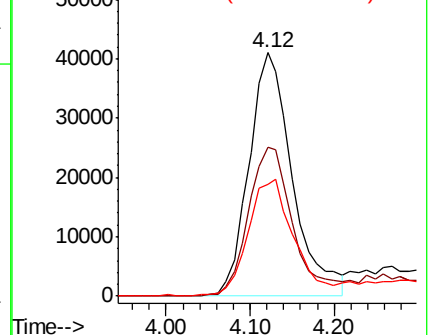
61 45.9 38.6 58.0

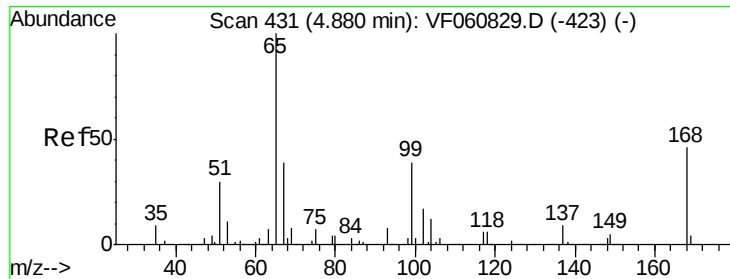


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.733 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

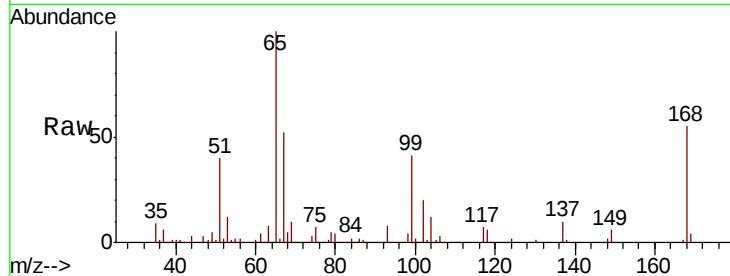
VSTDCCC050

Tot Ion: 65 Resp: 121949

Ion Ratio Lower Upper

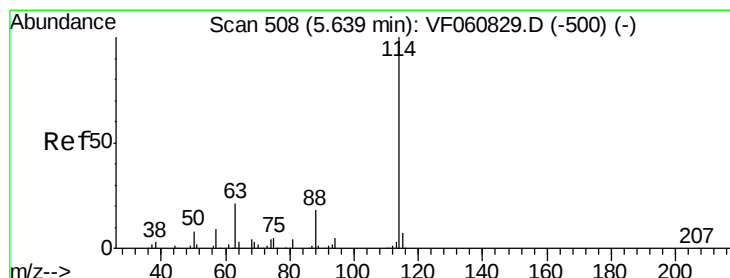
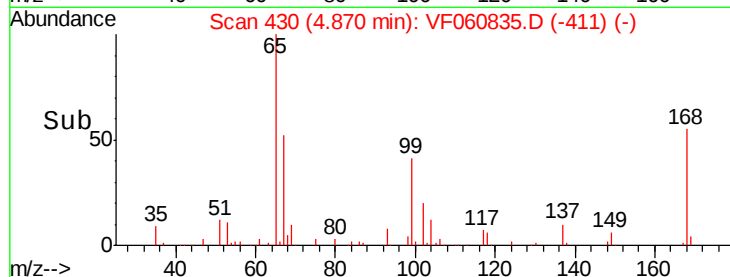
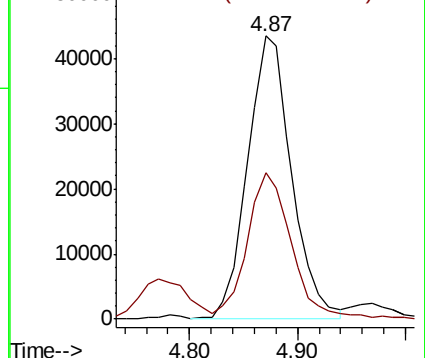
65 100

67 51.6 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 507

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

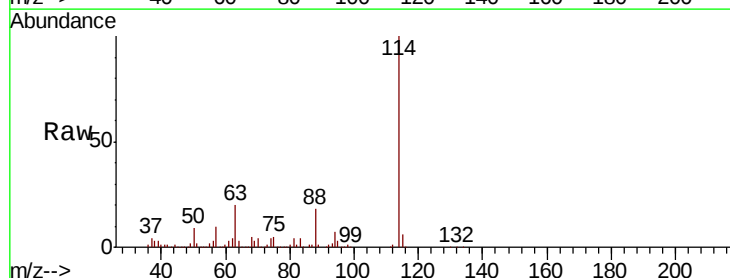
Tgt Ion: 114 Resp: 351723

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

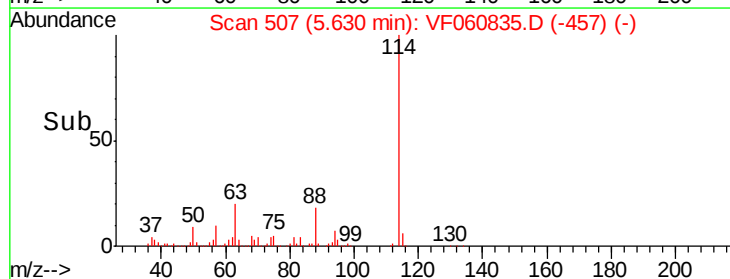
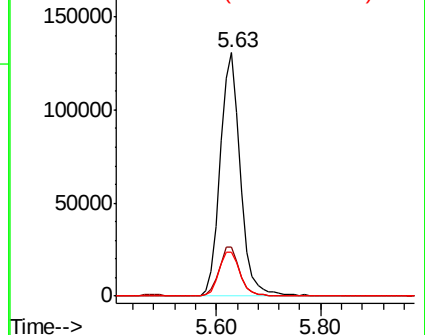
88 18.3 0.0 36.6

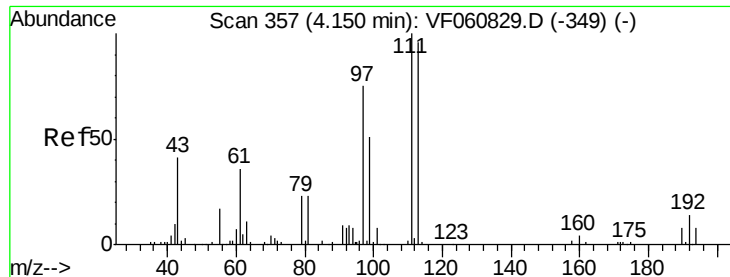


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

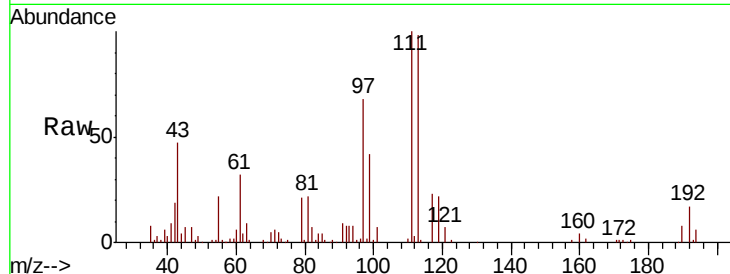




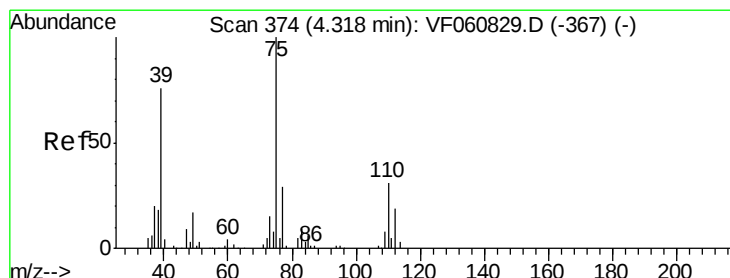
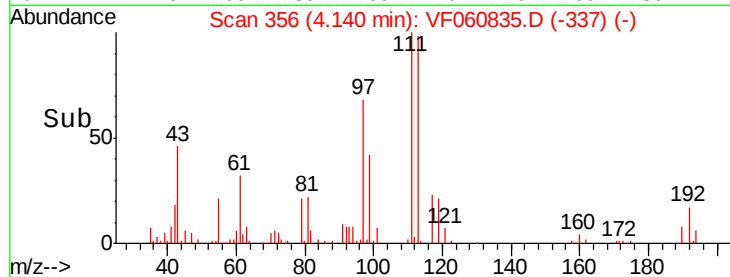
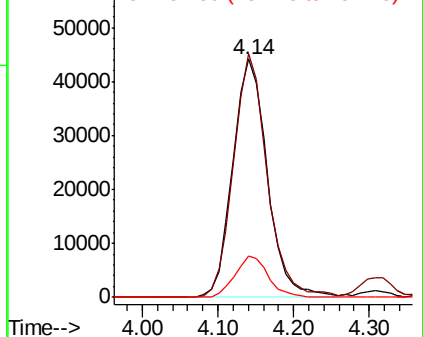
#35
 Dibromofluoromethane
 Concen: 50.083 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 139748
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.6
 192 17.4 12.3 18.5

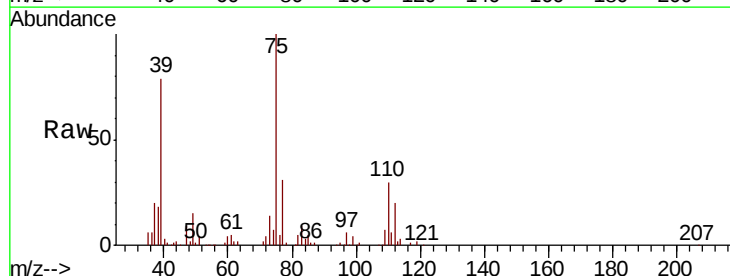


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

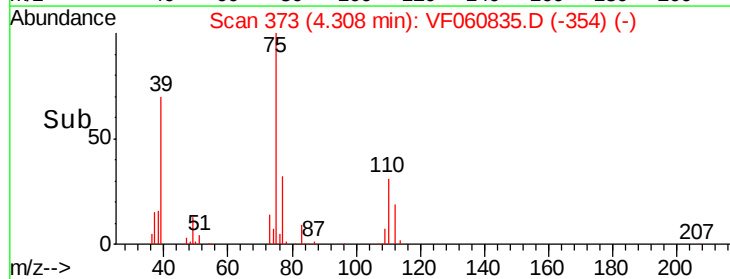
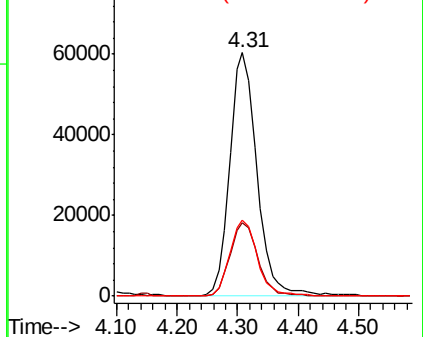


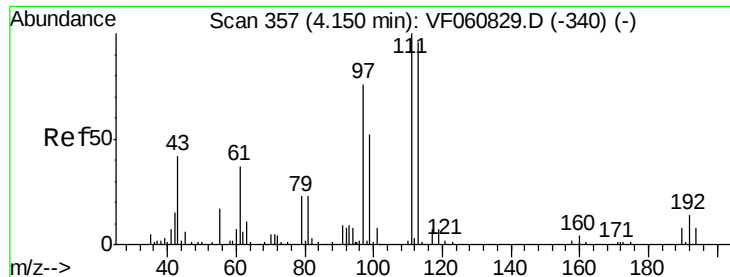
#36
 1,1-Dichloropropene
 Concen: 48.006 ug/l
 RT: 4.31 min Scan# 373
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Tgt Ion: 75 Resp: 187280
 Ion Ratio Lower Upper
 75 100
 110 30.3 15.6 46.8
 77 31.4 23.4 35.0



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

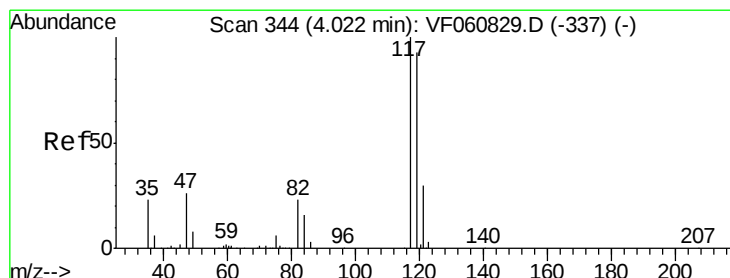
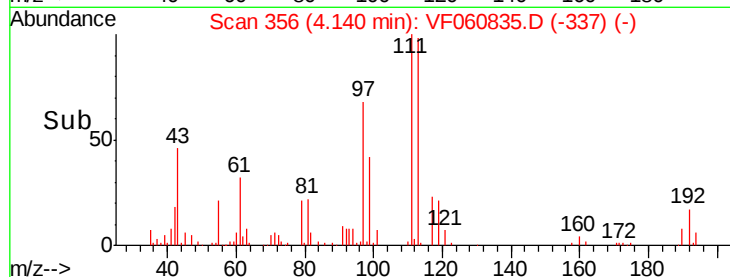
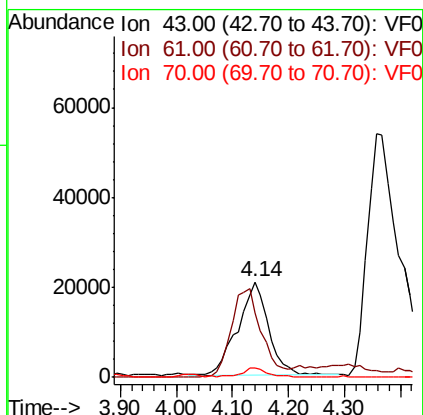
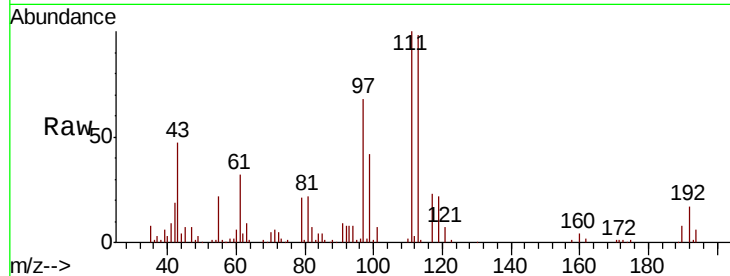




#37
Ethyl Acetate
Concen: 50.009 ug/l
RT: 4.14 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

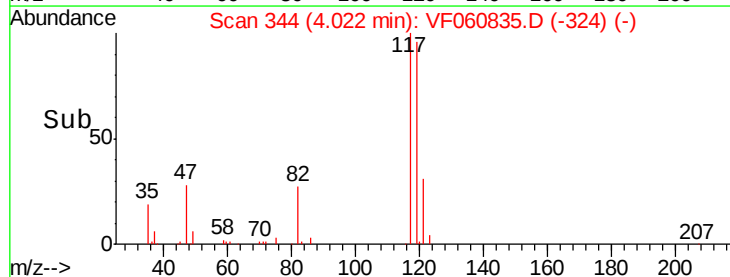
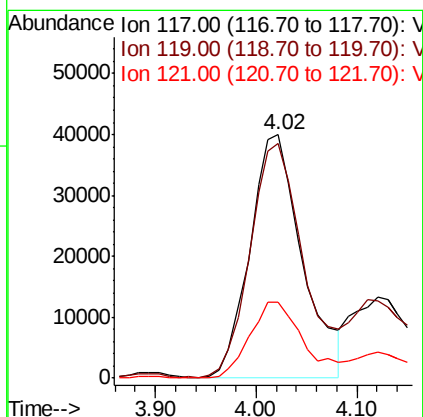
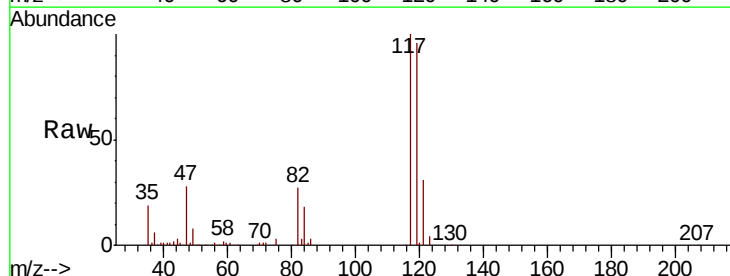
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

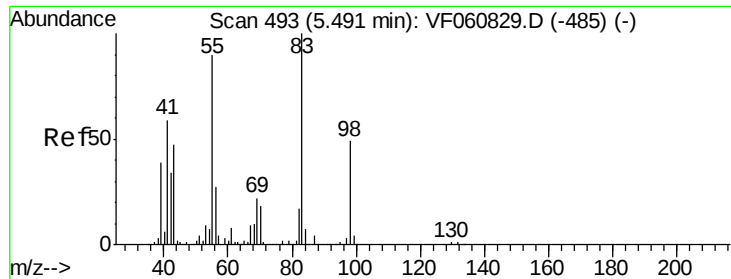
Tot Ion: 43 Resp: 79282
Ion Ratio Lower Upper
43 100
61 67.9 68.6 103.0#
70 10.4 9.0 13.4



#38
Carbon Tetrachloride
Concen: 41.599 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 117 Resp: 143338
Ion Ratio Lower Upper
117 100
119 96.3 74.4 111.6
121 31.2 23.5 35.3

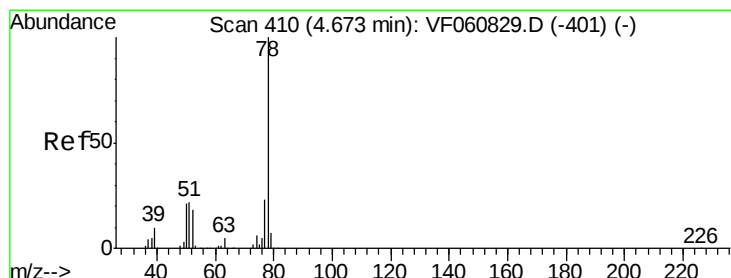
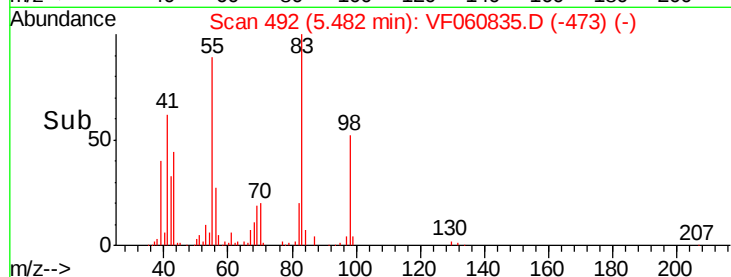
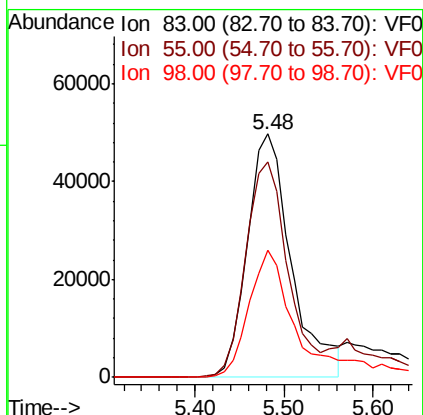
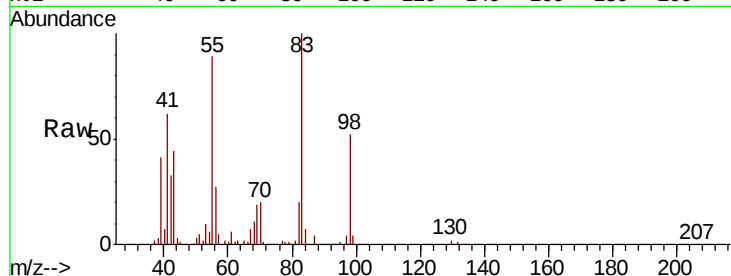




#39
Methvlcvclohexane
Concen: 41.721 ug/l
RT: 5.48 min Scan# 492
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

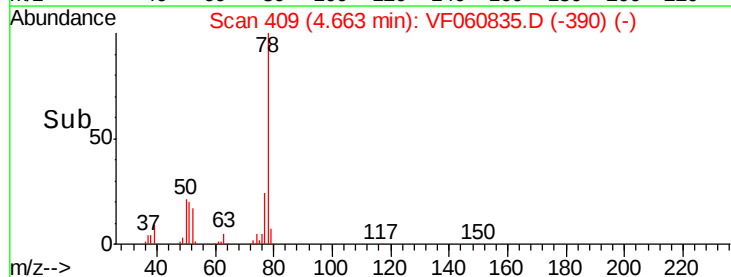
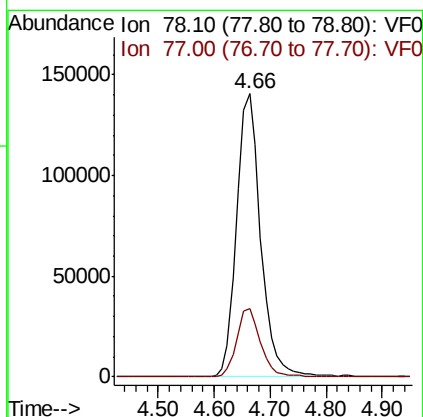
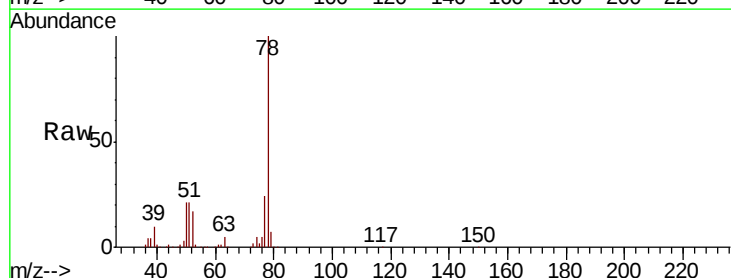
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

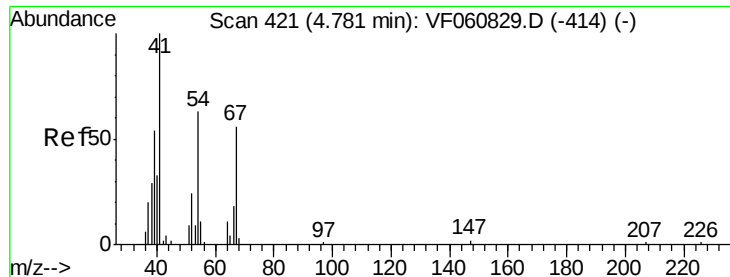
Tot Ion: 83 Resp: 170570
Ion Ratio Lower Upper
83 100
55 88.6 72.1 108.1
98 52.0 39.1 58.7



#40
Benzene
Concen: 48.811 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 78 Resp: 420678
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

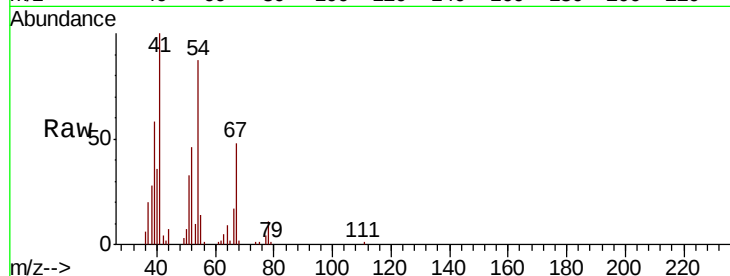




#41
Methacrylonitrile
Concen: 49.847 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	40925
Ion	Ratio	Lower	Upper
41	100		
39	57.5	53.0	79.6
67	47.8	43.8	65.6
52	45.8	37.8	56.8



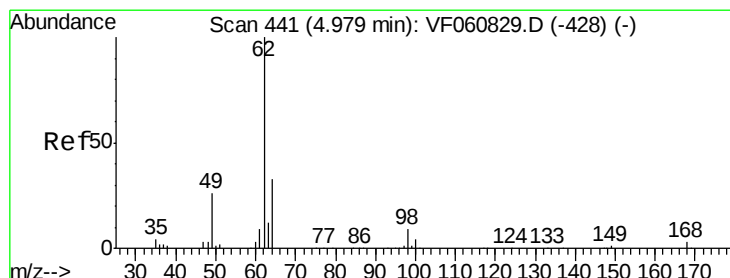
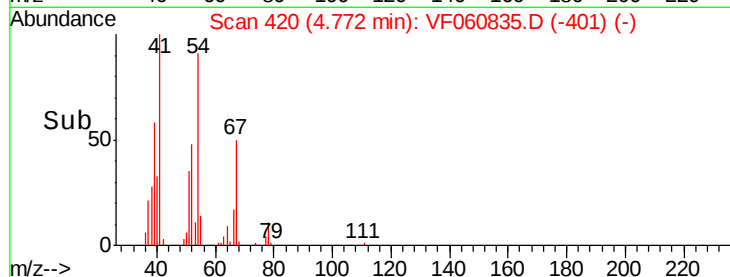
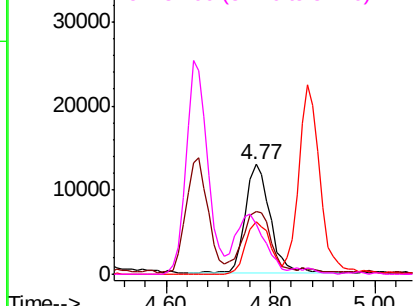
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

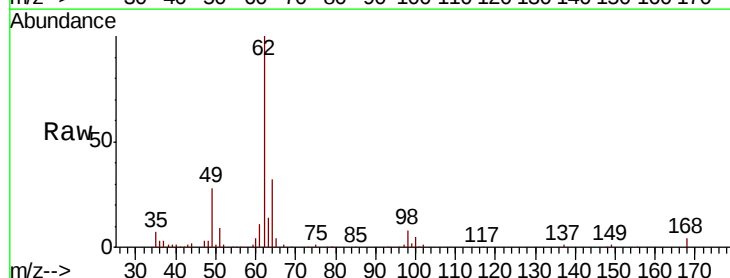
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 47.972 ug/l
RT: 4.97 min Scan# 440
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

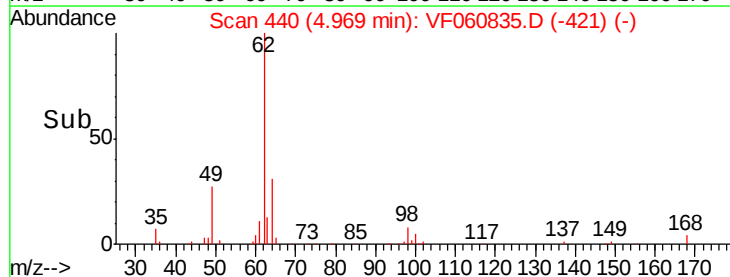
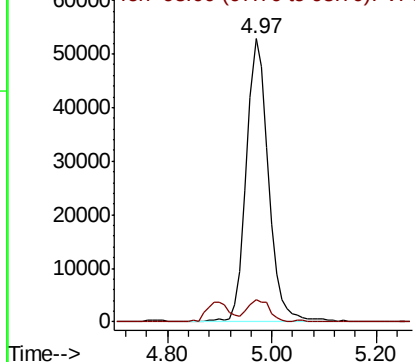
Tgt Ion:	62	Resp:	150941
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2



Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



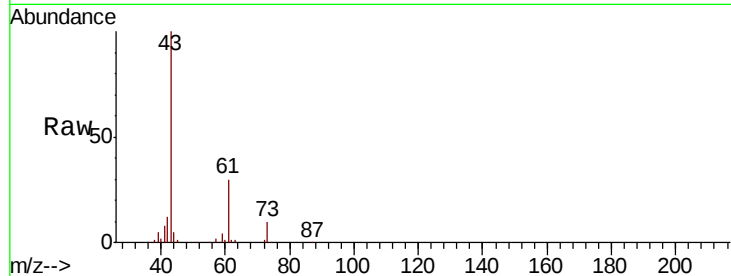


#43

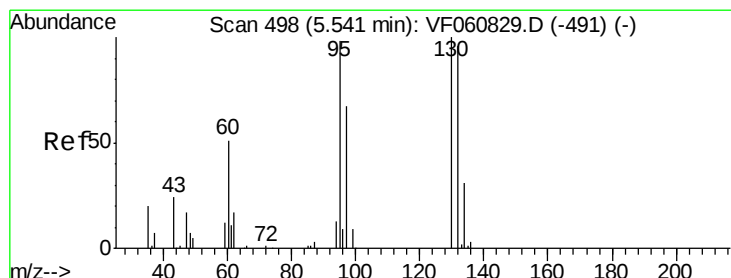
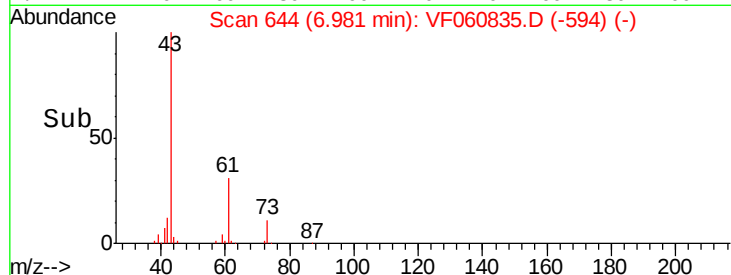
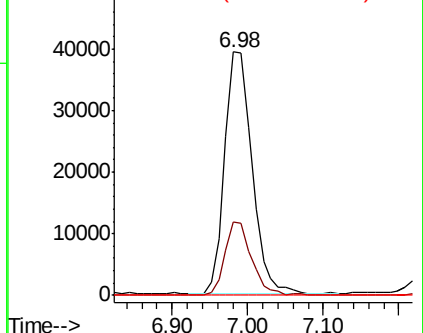
Isopropyl Acetate
 Concen: 50.739 ug/l
 RT: 6.98 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 99168
 Ion Ratio Lower Upper
 43 100
 61 30.3 21.4 32.0
 87 0.4 0.2 0.4



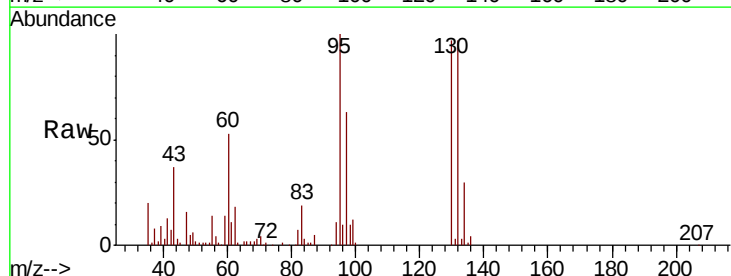
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



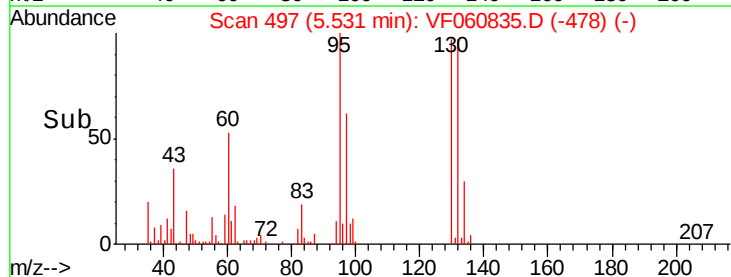
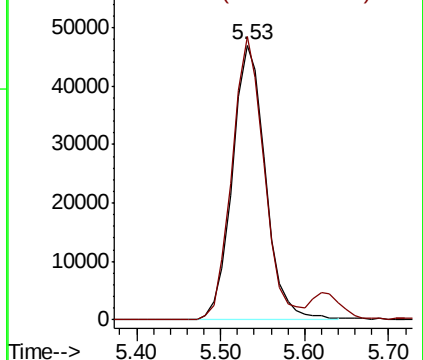
#44

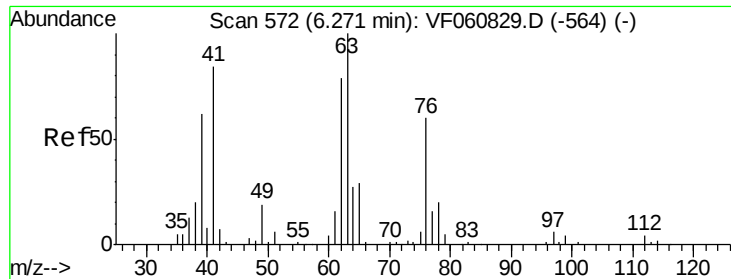
Trichloroethene
 Concen: 45.625 ug/l
 RT: 5.53 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Tgt Ion: 130 Resp: 128571
 Ion Ratio Lower Upper
 130 100
 95 103.0 0.0 195.6



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

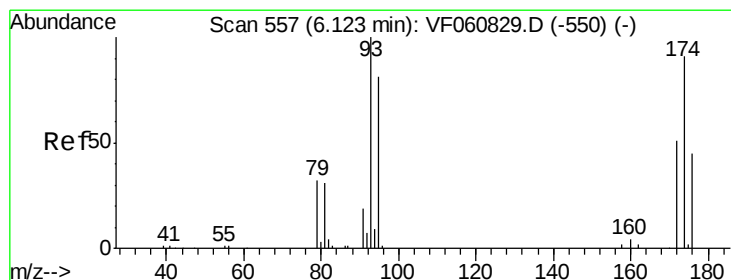
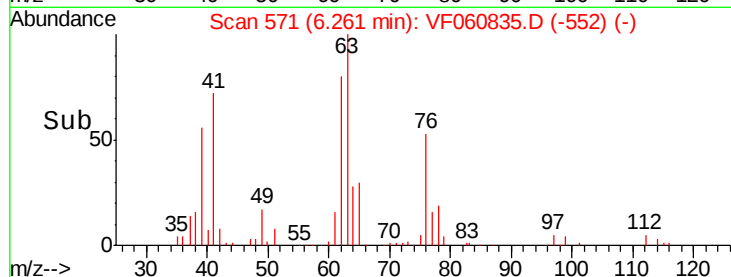
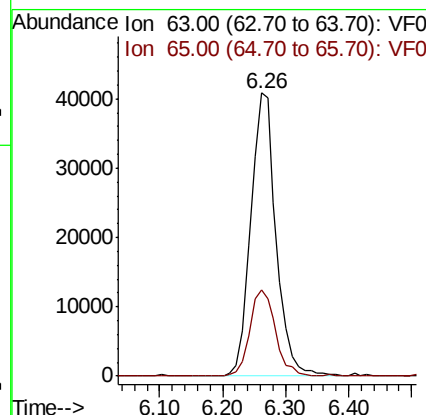
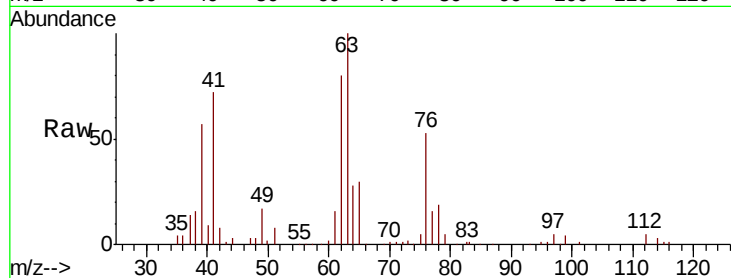




#45
 1,2-Dichloropropane
 Concen: 51.138 ug/l
 RT: 6.26 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

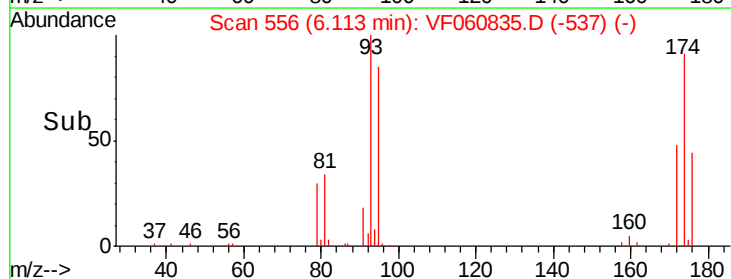
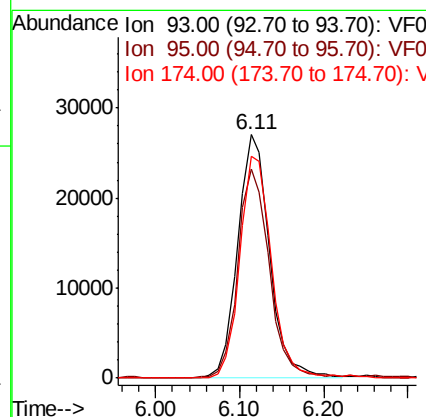
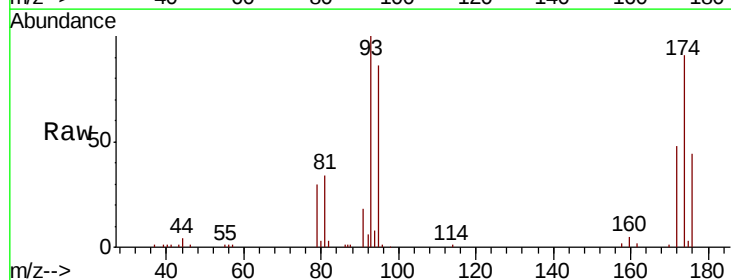
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

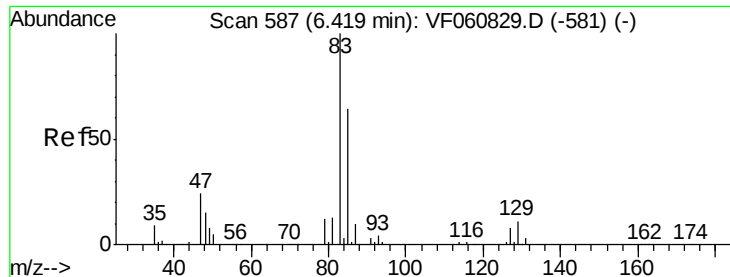
Tot Ion: 63 Resp: 114464
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.2 34.8



#46
 Dibromomethane
 Concen: 47.107 ug/l
 RT: 6.11 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Tgt Ion: 93 Resp: 71528
 Ion Ratio Lower Upper
 93 100
 95 85.8 64.7 97.1
 174 91.0 73.0 109.6





#47

Bromodichloromethane

Concen: 47.068 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

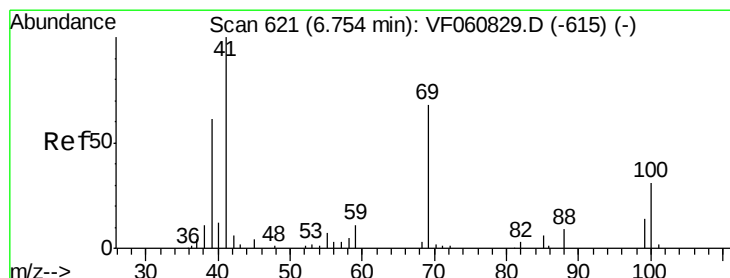
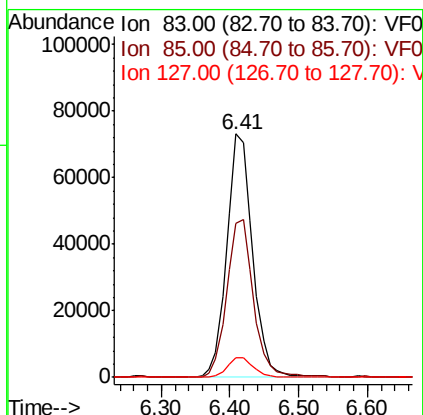
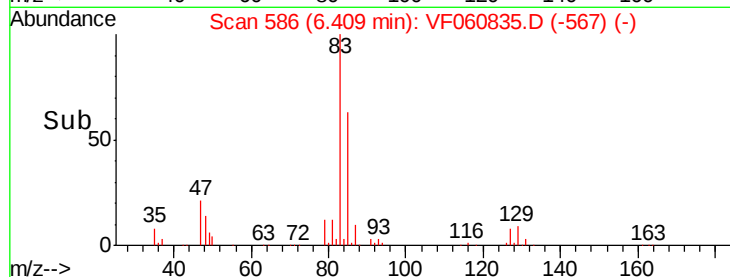
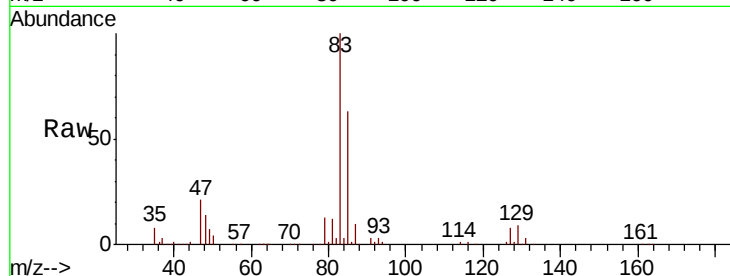
Tot Ion: 83 Resp: 189822

Ion Ratio Lower Upper

83 100

85 63.1 51.1 76.7

127 8.2 6.8 10.2



#48

Methyl methacrylate

Concen: 46.573 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

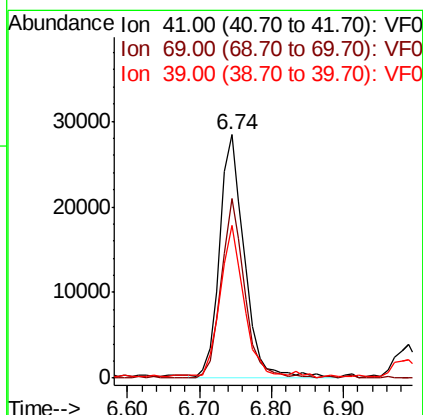
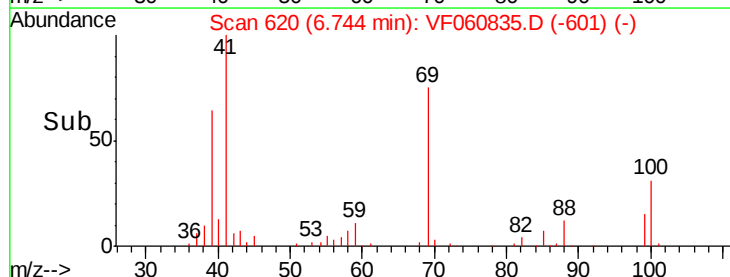
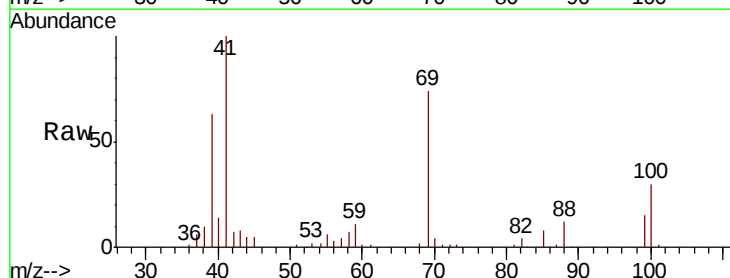
Tgt Ion: 41 Resp: 66833

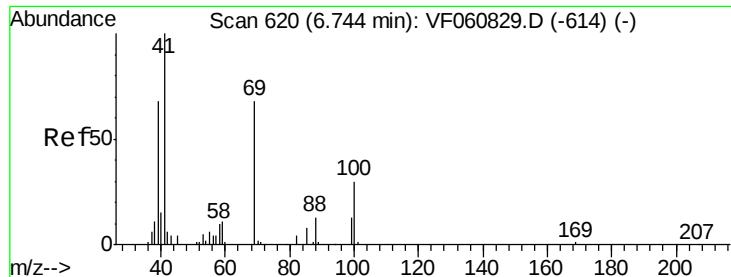
Ion Ratio Lower Upper

41 100

69 73.9 53.9 80.9

39 62.6 49.0 73.6





#49

1,4-Dioxane

Concen: 1032.240 ug/l

RT: 6.74 min Scan# 620

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

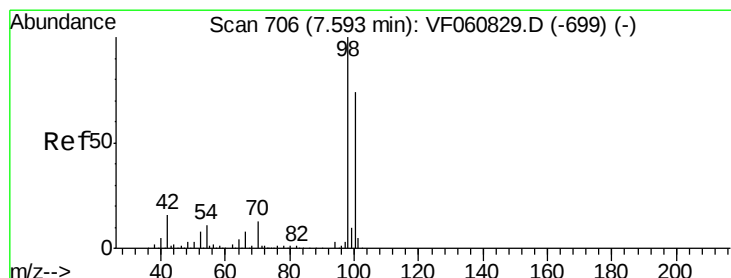
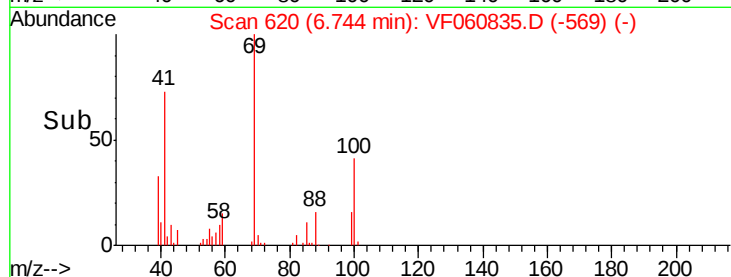
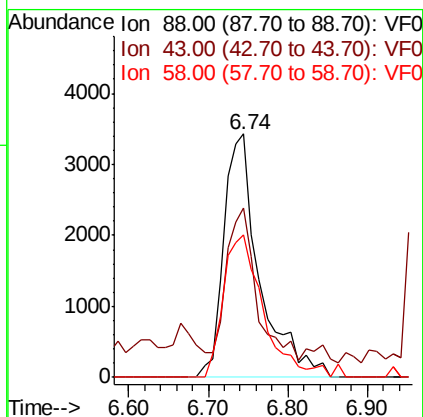
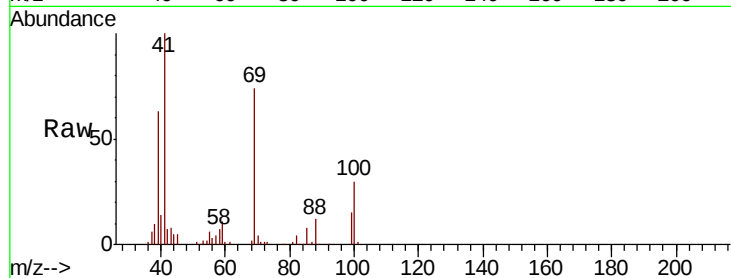
Tot Ion: 88 Resp: 10841

Ion Ratio Lower Upper

88 100

43 69.7 42.0 63.0#

58 58.8 61.8 92.8#



#50

Toluene-d8

Concen: 50.405 ug/l

RT: 7.57 min Scan# 704

Delta R.T. -0.02 min

Lab File: VF060835.D

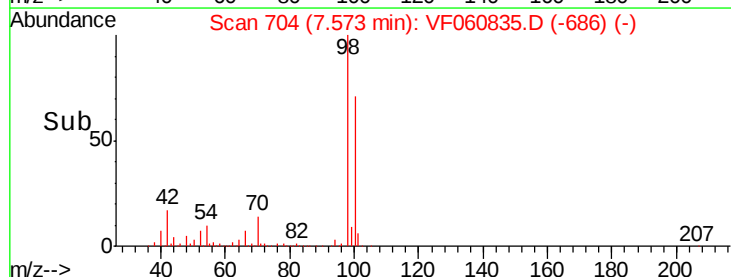
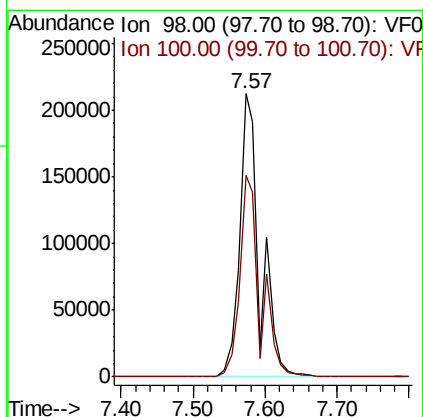
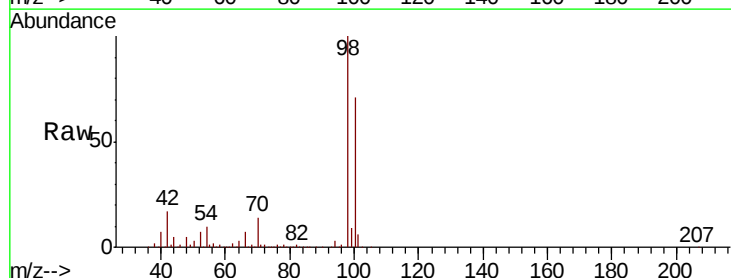
Acq: 27 Nov 2018 13:08

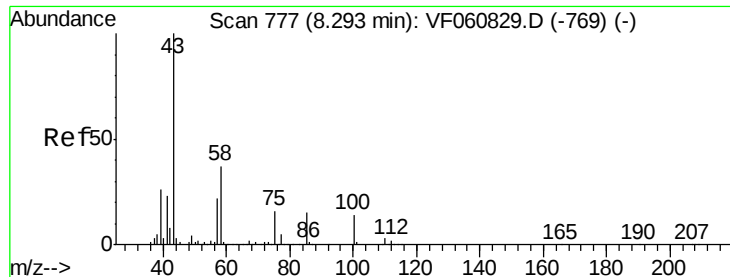
Tgt Ion: 98 Resp: 414297

Ion Ratio Lower Upper

98 100

100 71.4 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 242.115 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

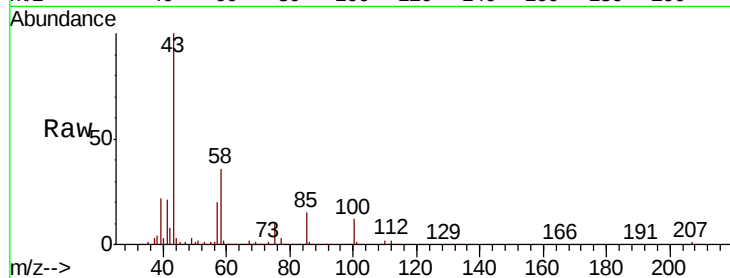
VSTDCCC050

Tot Ion: 43 Resp: 353958

Ion Ratio Lower Upper

43 100

58 36.5 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

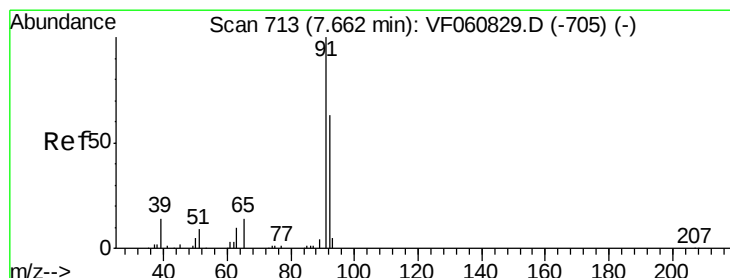
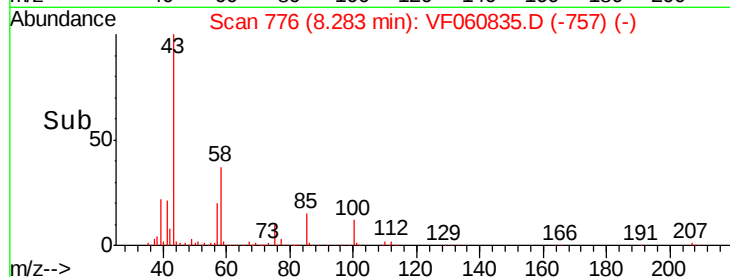
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.818 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF060835.D

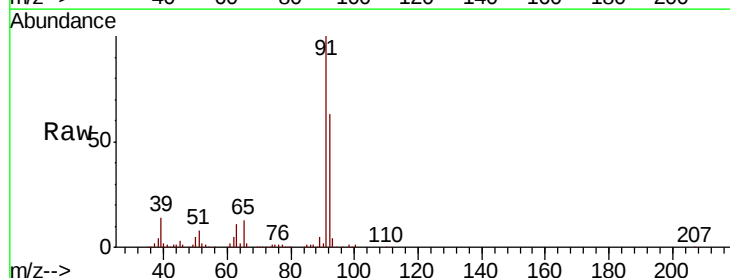
Acq: 27 Nov 2018 13:08

Tgt Ion: 92 Resp: 283428

Ion Ratio Lower Upper

92 100

91 157.8 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.65

200000

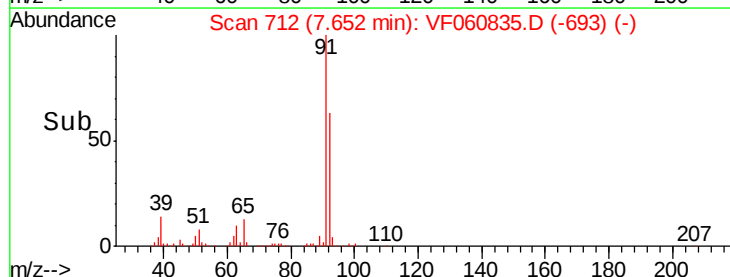
150000

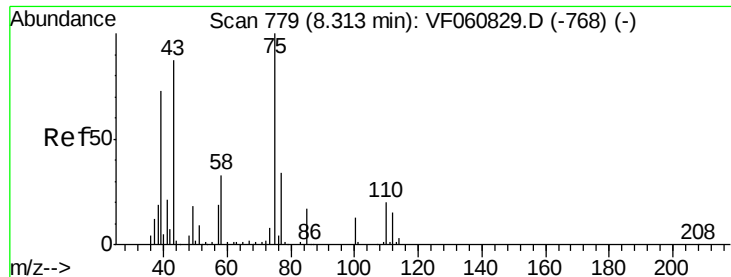
100000

50000

0

Time-->

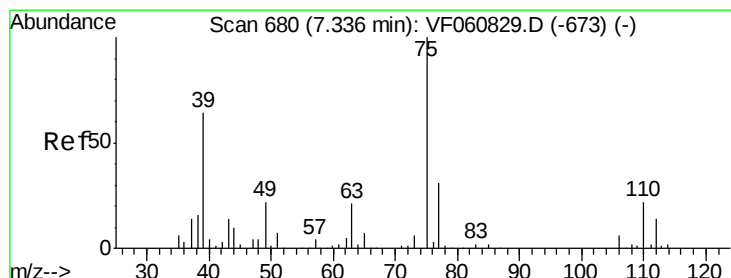
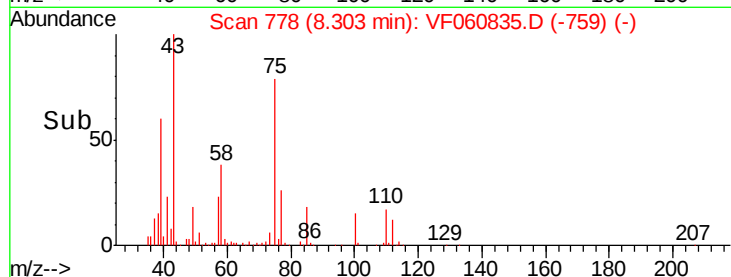
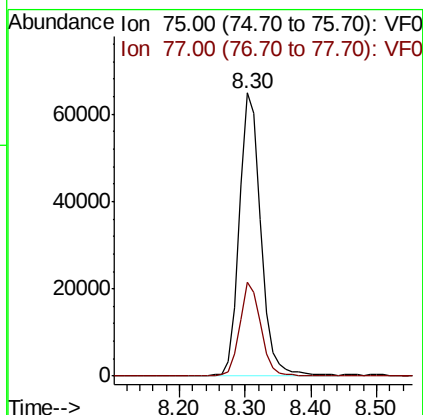
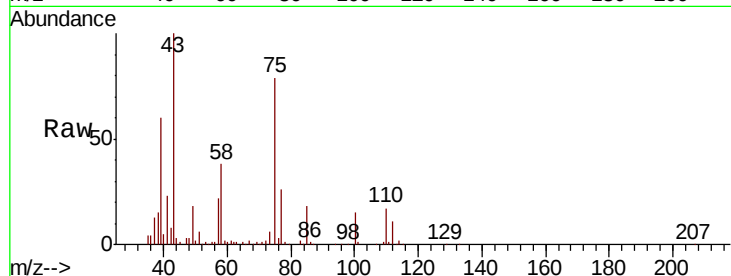




#53
 t-1,3-Dichloropropene
 Concen: 45.719 ug/l
 RT: 8.30 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

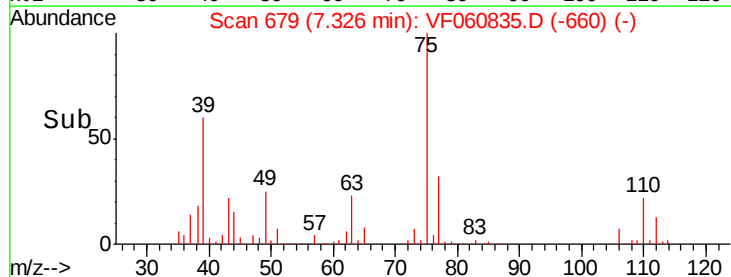
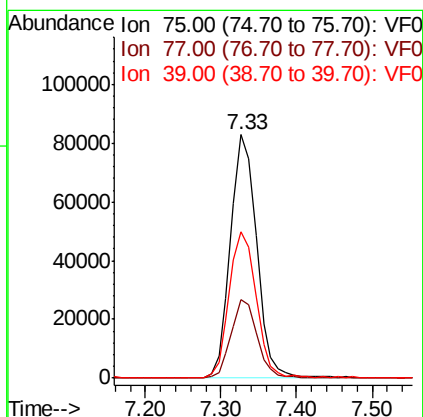
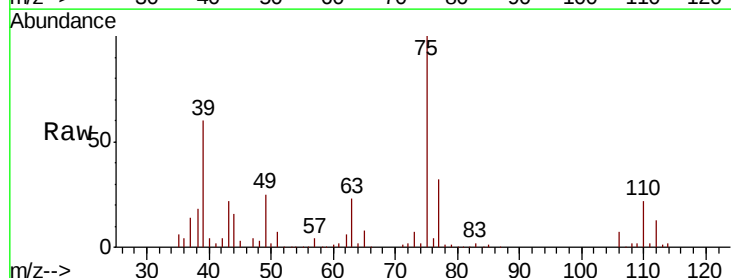
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

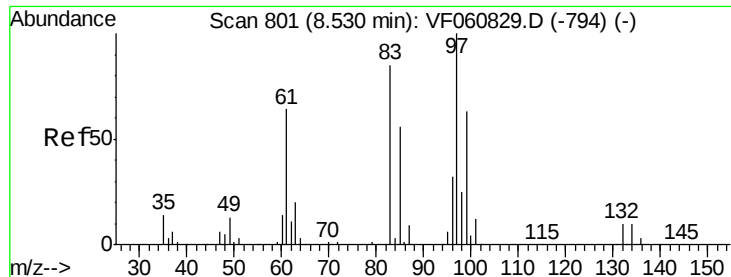
Tot Ion: 75 Resp: 149976
 Ion Ratio Lower Upper
 75 100
 77 33.0 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.925 ug/l
 RT: 7.33 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Tgt Ion: 75 Resp: 198687
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6
 39 59.8 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 47.828 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 84369

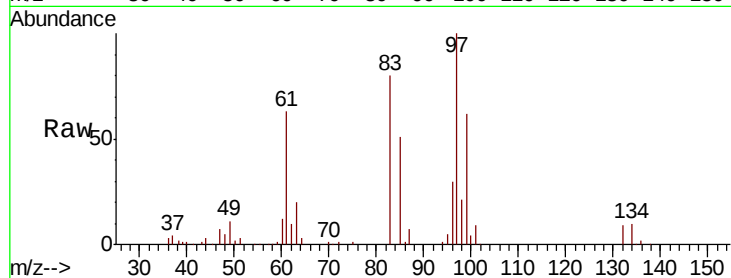
Ion Ratio Lower Upper

97 100

83 80.0 67.8 101.6

85 50.7 45.0 67.6

99 62.3 50.5 75.7

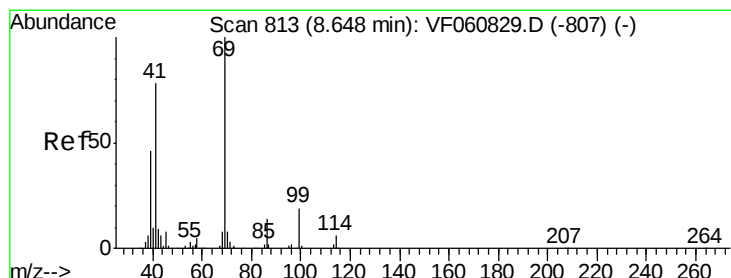
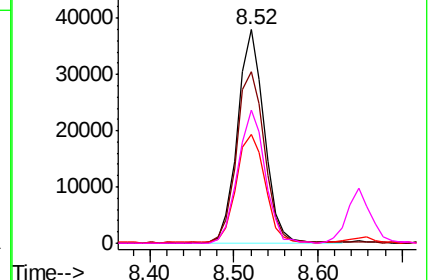
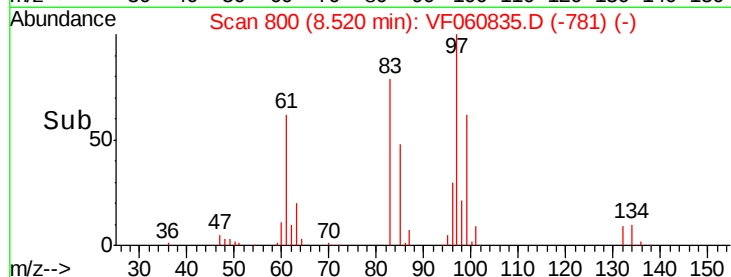


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 47.876 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

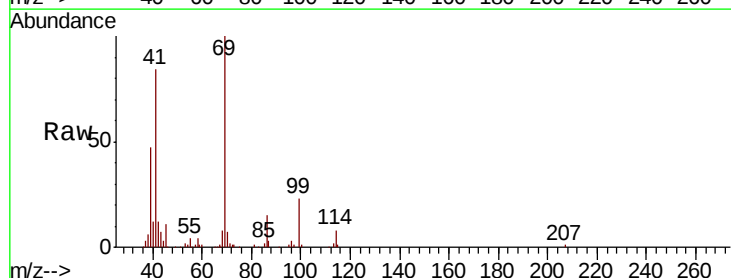
Tgt Ion: 69 Resp: 93817

Ion Ratio Lower Upper

69 100

41 84.0 62.6 94.0

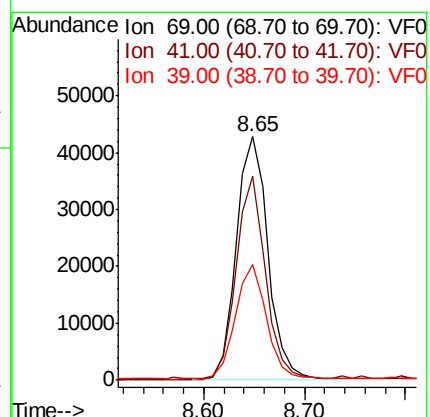
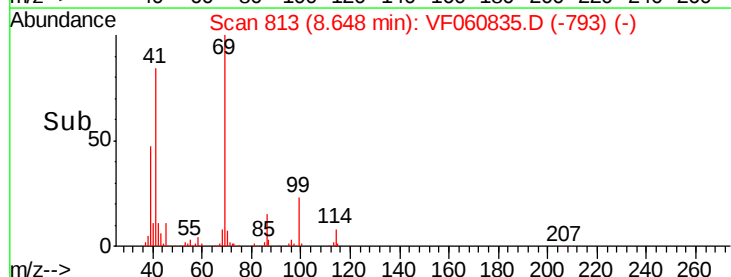
39 47.3 37.8 56.6

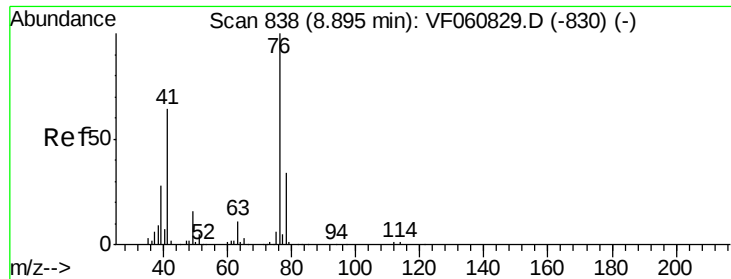


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 48.977 ug/l

RT: 8.88 min Scan# 837

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

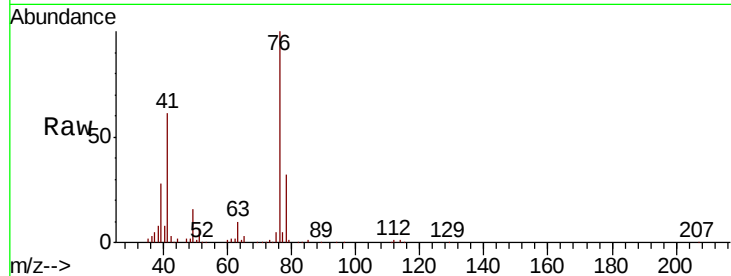
VSTDCCC050

Tot Ion: 76 Resp: 151152

Ion Ratio Lower Upper

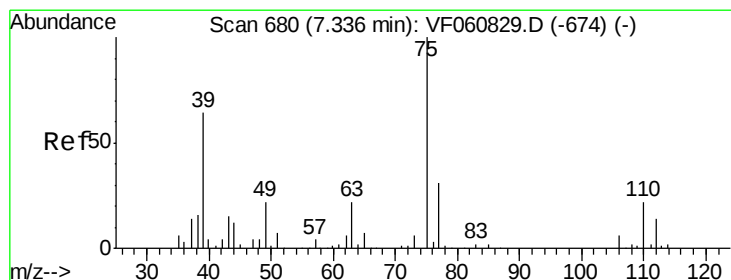
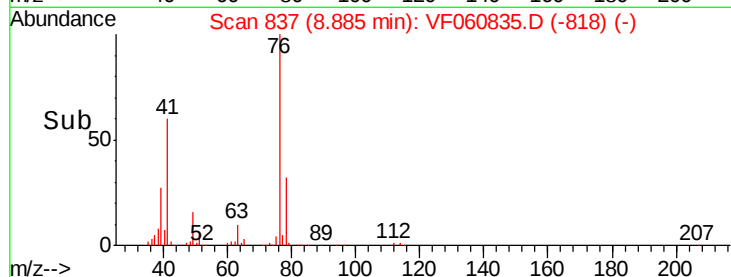
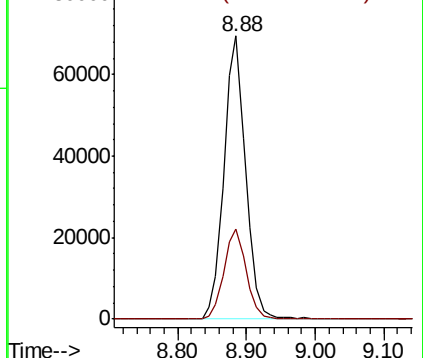
76 100

78 31.7 27.0 40.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 229.425 ug/l

RT: 7.33 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060835.D

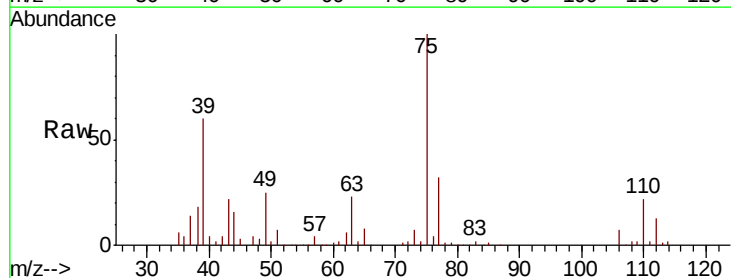
Acq: 27 Nov 2018 13:08

Tgt Ion: 63 Resp: 45985

Ion Ratio Lower Upper

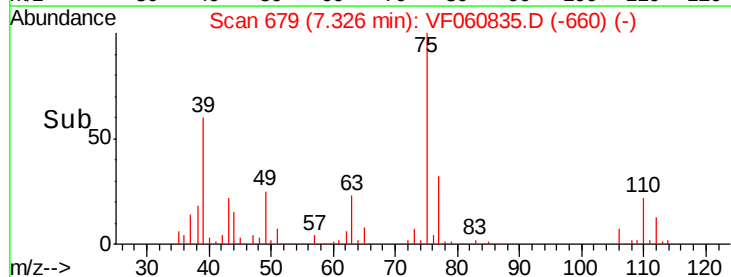
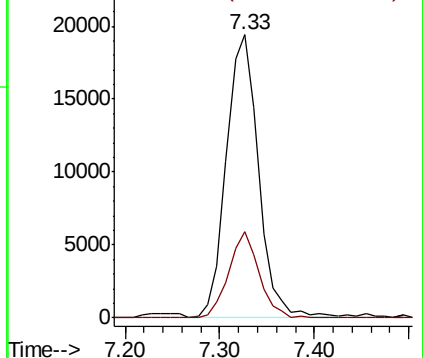
63 100

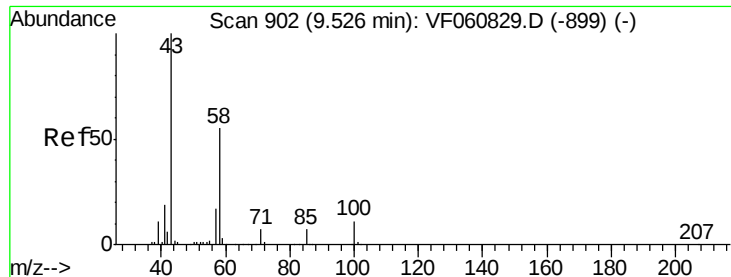
106 30.6 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

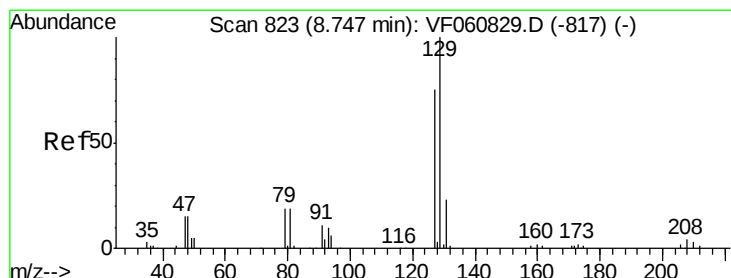
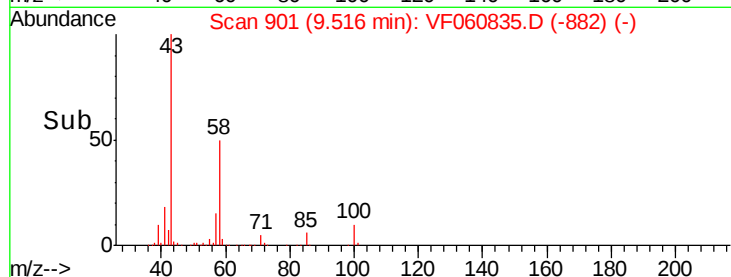
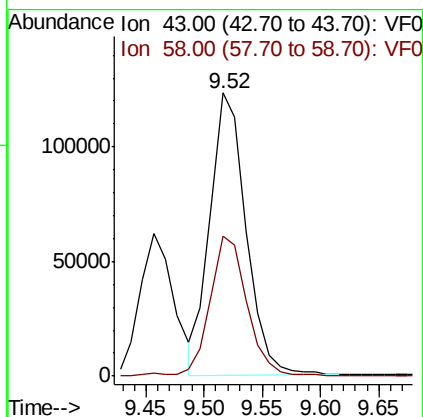
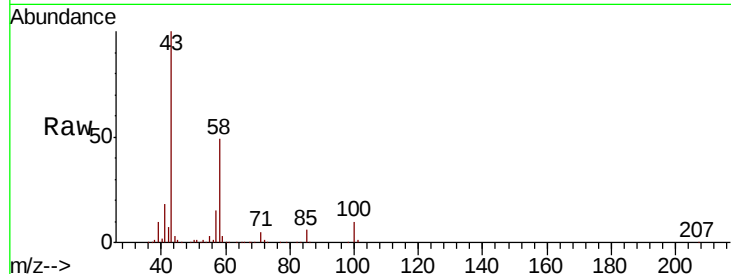




#59
2-Hexanone
Concen: 256.723 ug/l
RT: 9.52 min Scan# 901
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

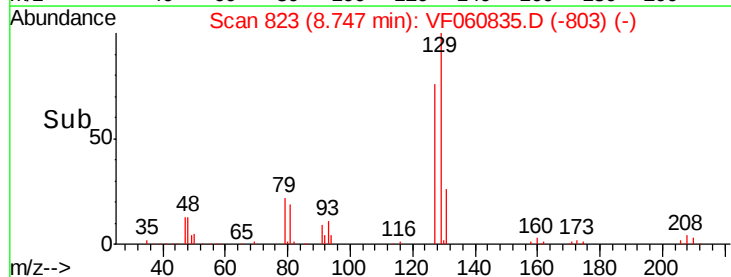
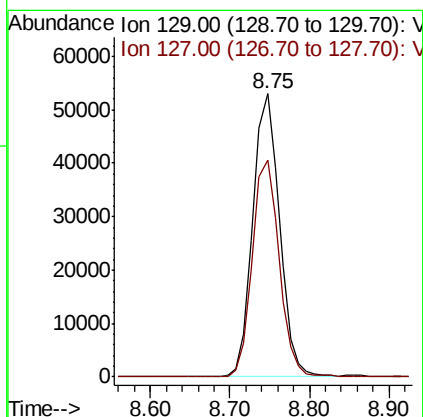
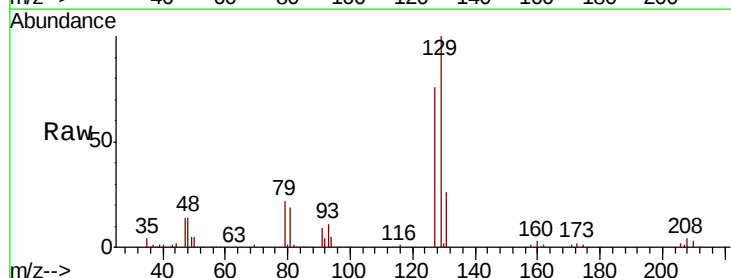
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

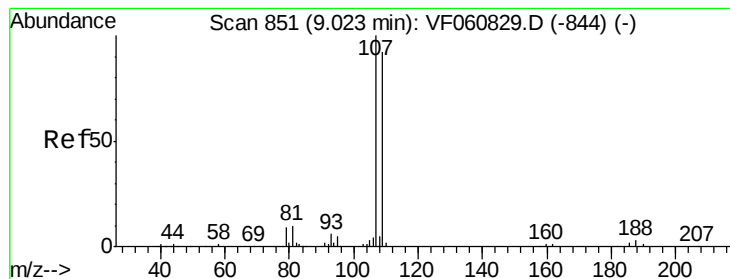
Tot Ion: 43 Resp: 263305
Ion Ratio Lower Upper
43 100
58 49.5 25.6 76.6



#60
Dibromochloromethane
Concen: 46.574 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion:129 Resp: 122411
Ion Ratio Lower Upper
129 100
127 76.4 37.3 111.9





#61

1,2-Dibromoethane

Concen: 47.589 ug/l

RT: 9.02 min Scan# 851

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

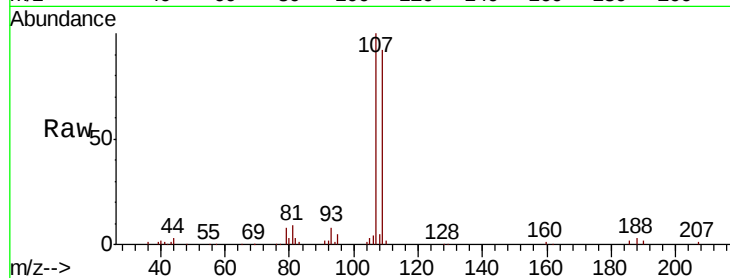
VSTDCCC050

Tot Ion:107 Resp: 90687

Ion Ratio Lower Upper

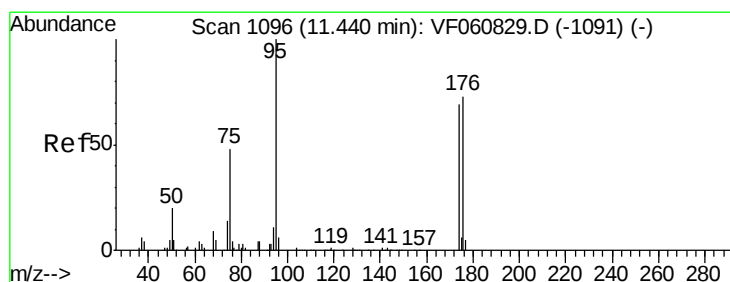
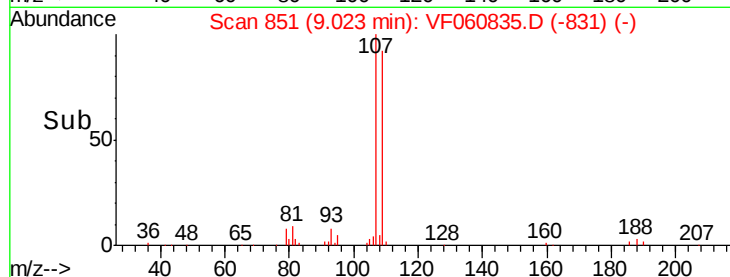
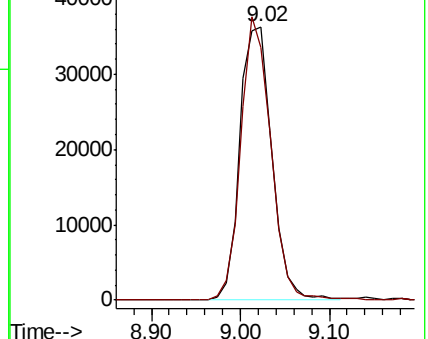
107 100

109 92.4 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 49.147 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

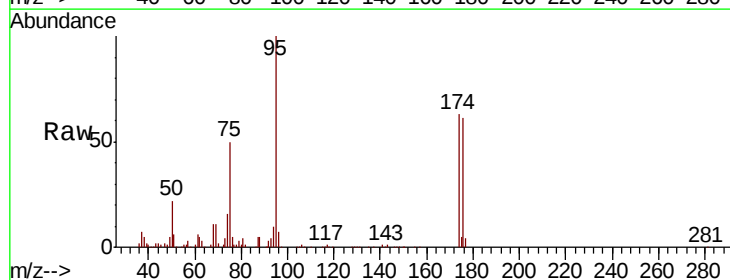
Tgt Ion: 95 Resp: 183592

Ion Ratio Lower Upper

95 100

174 63.2 0.0 138.2

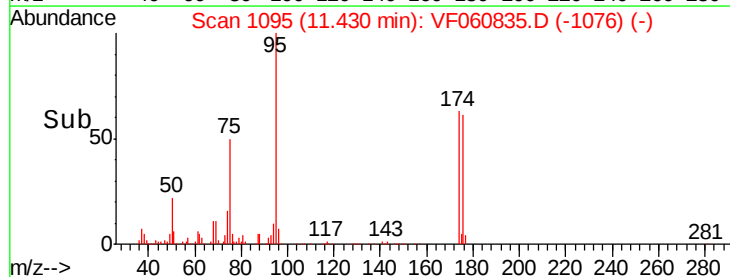
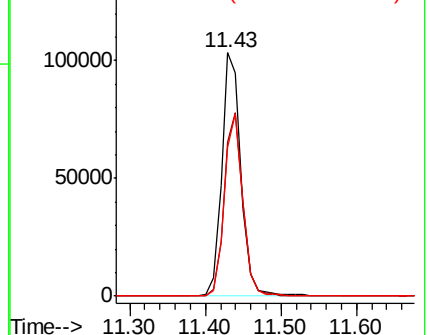
176 61.0 0.0 146.2

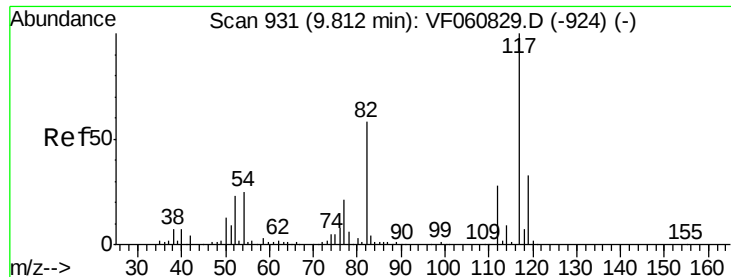


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

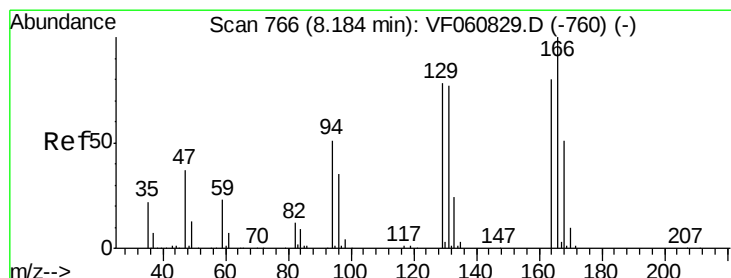
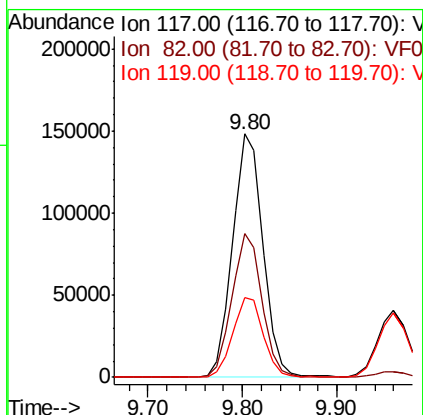
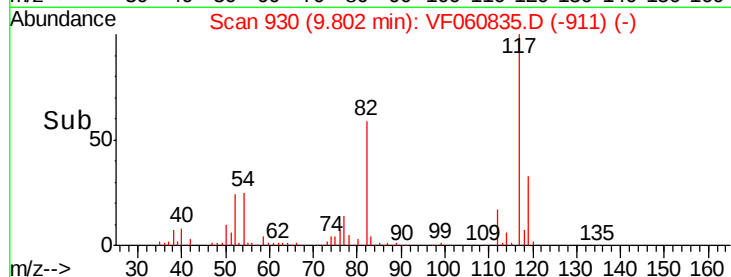
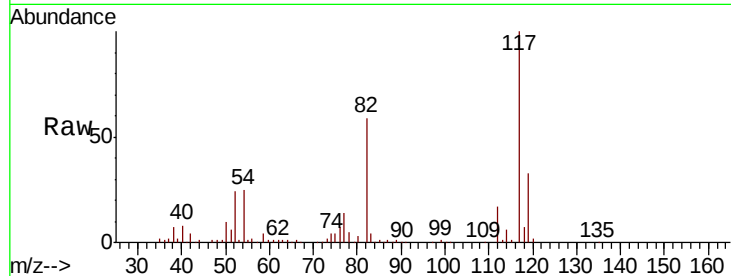




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

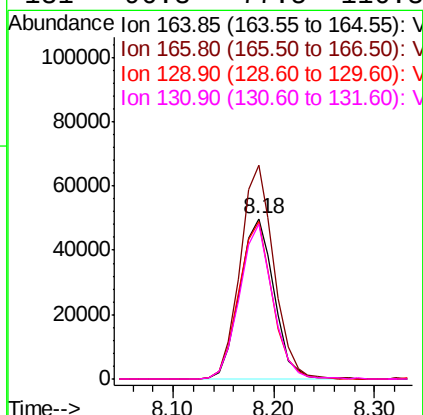
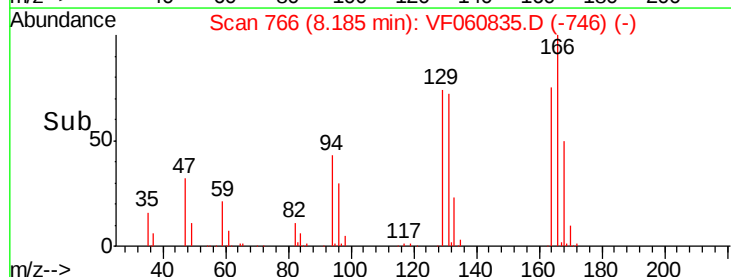
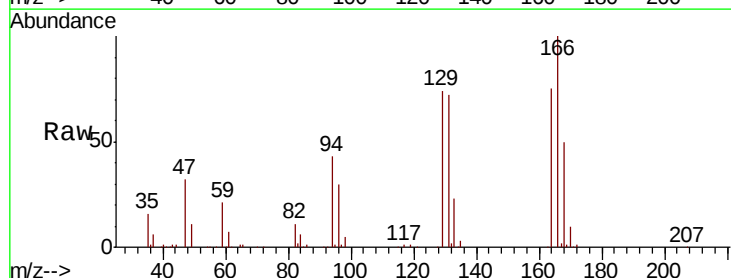
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

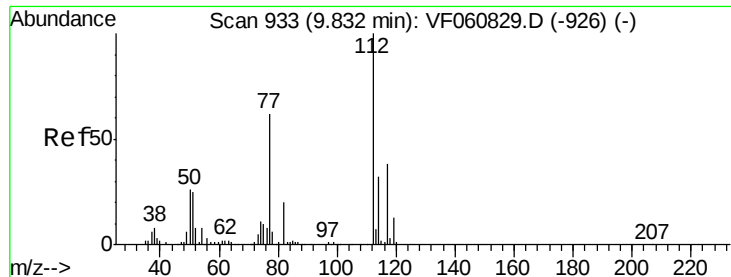
Tot Ion:117 Resp: 330005
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 32.9 26.4 39.6



#64
Tetrachloroethene
Concen: 46.896 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion:164 Resp: 118205
Ion Ratio Lower Upper
164 100
166 132.9 100.3 150.5
129 98.0 77.9 116.9
131 96.3 77.5 116.3

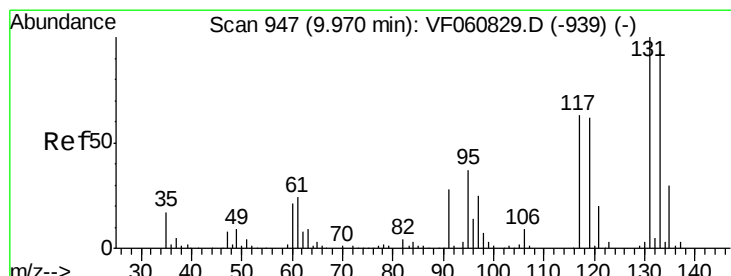
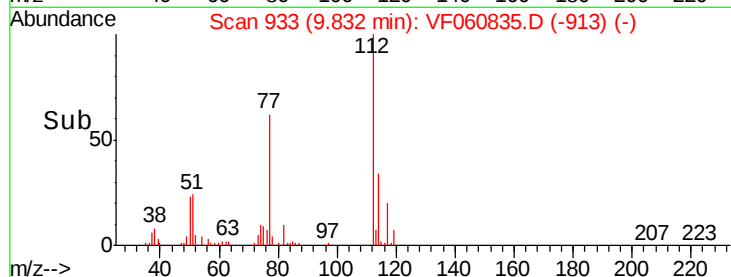
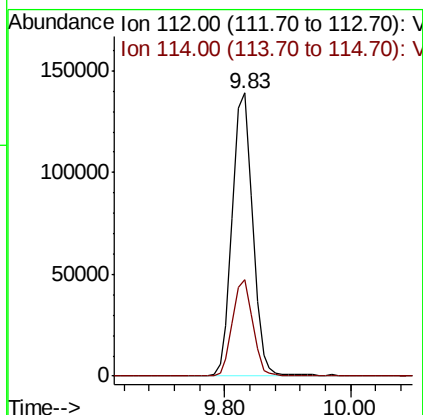
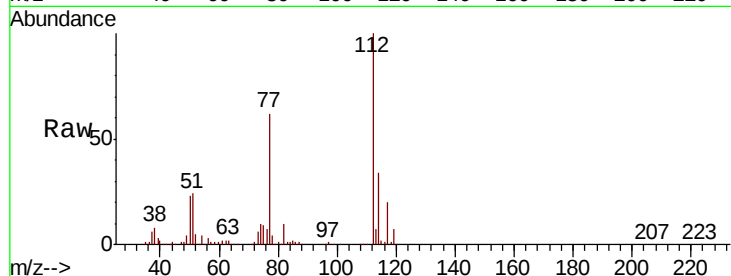




#65
Chlorobenzene
Concen: 48.769 ug/l
RT: 9.83 min Scan# 933
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

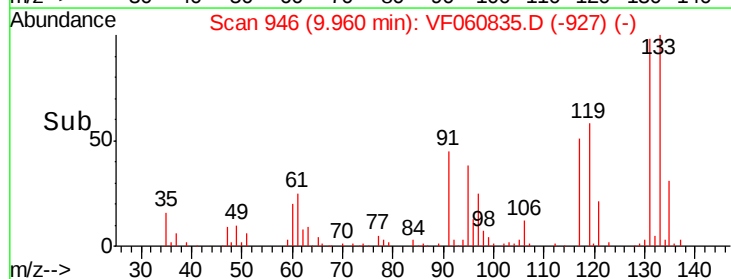
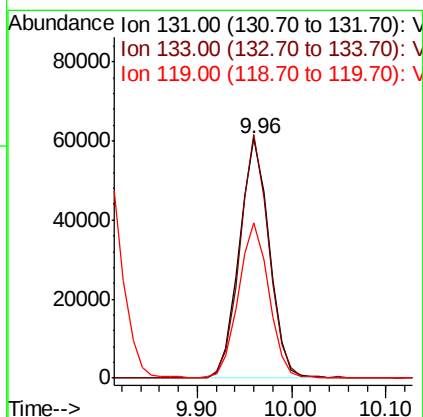
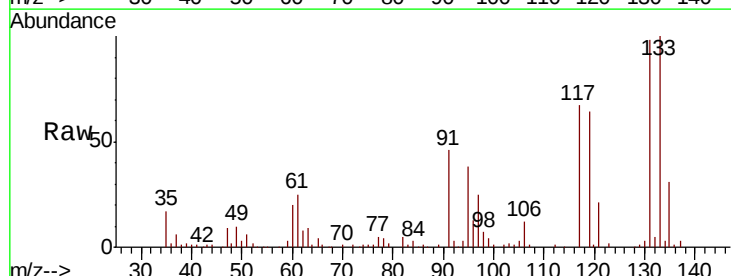
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 313090
Ion Ratio Lower Upper
112 100
114 34.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.441 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion:131 Resp: 133692
Ion Ratio Lower Upper
131 100
133 101.7 46.5 139.3
119 64.9 31.1 93.3





#67

Ethyl Benzene

Concen: 48.363 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

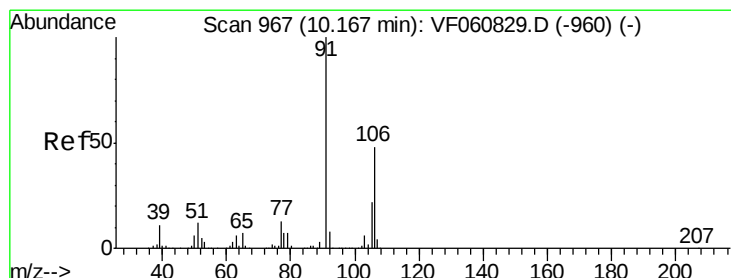
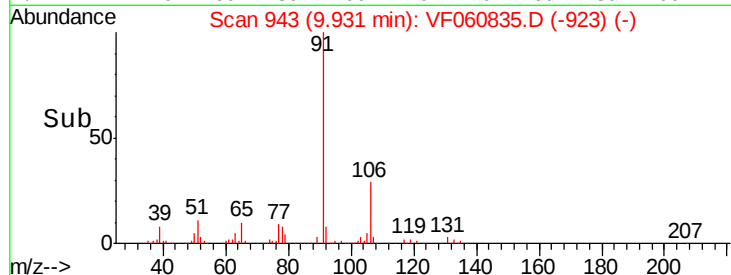
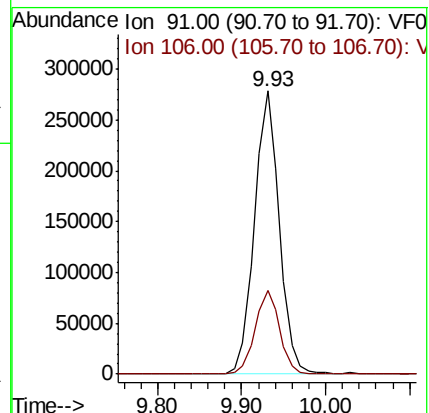
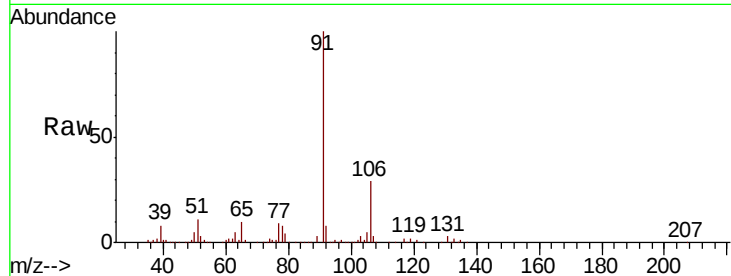
VSTDCCC050

Tot Ion: 91 Resp: 578031

Ion Ratio Lower Upper

91 100

106 29.4 22.2 33.2



#68

m/p-Xylenes

Concen: 94.429 ug/l

RT: 10.16 min Scan# 966

Delta R.T. -0.01 min

Lab File: VF060835.D

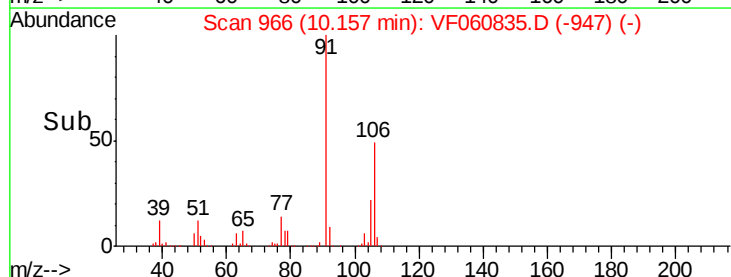
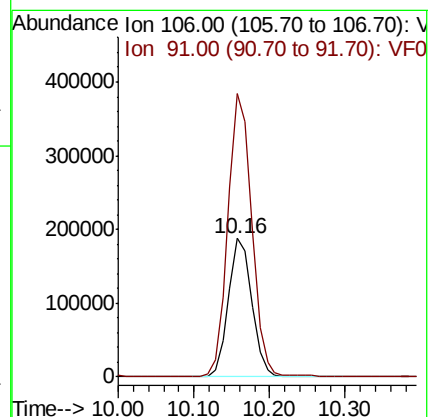
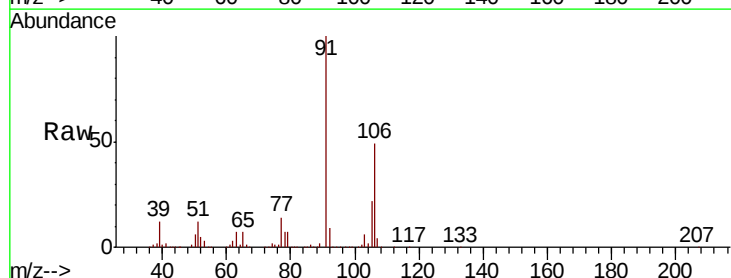
Acq: 27 Nov 2018 13:08

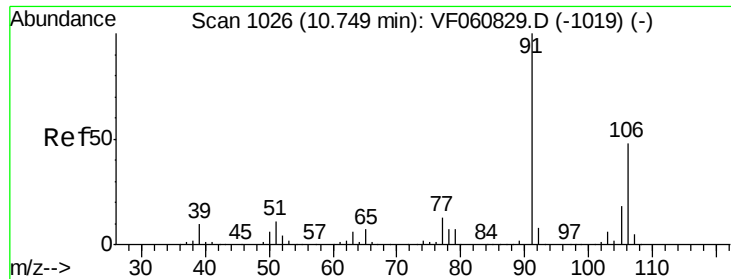
Tgt Ion: 106 Resp: 405911

Ion Ratio Lower Upper

106 100

91 204.5 166.7 250.1

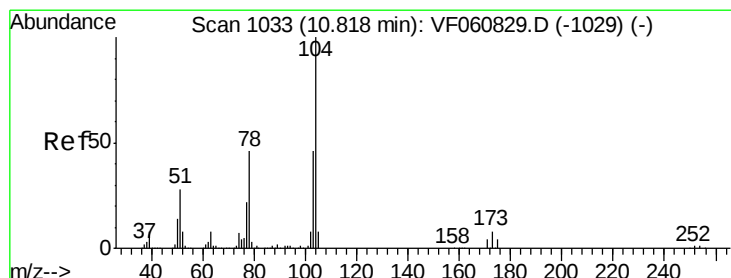
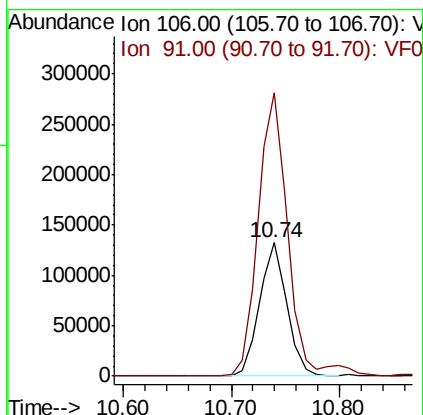
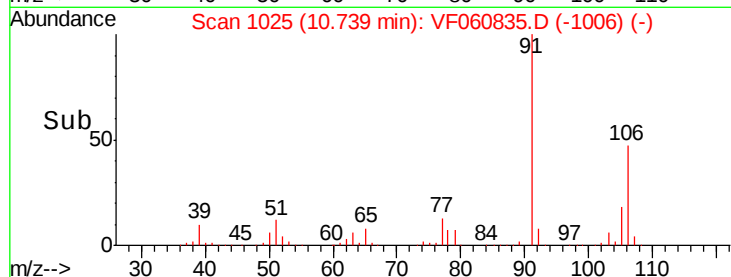
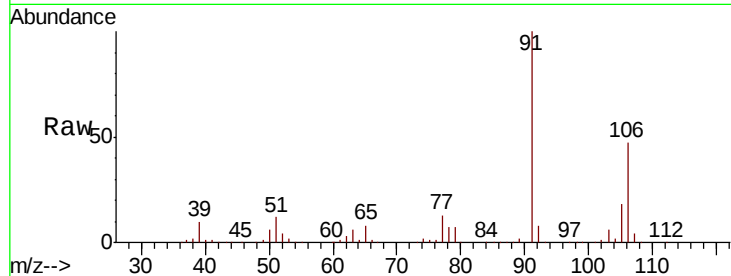




#69
o-Xylene
Concen: 49.379 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

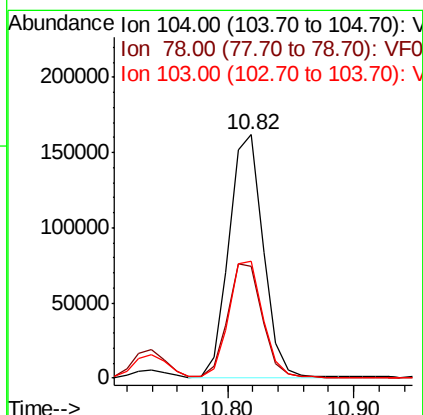
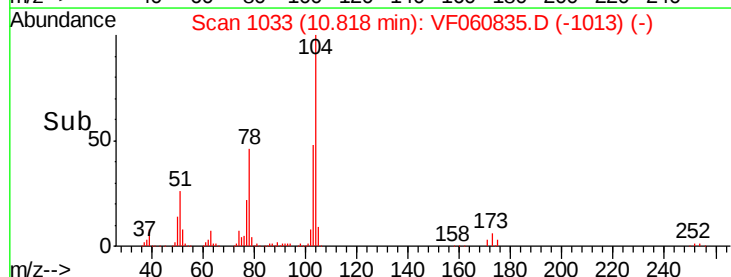
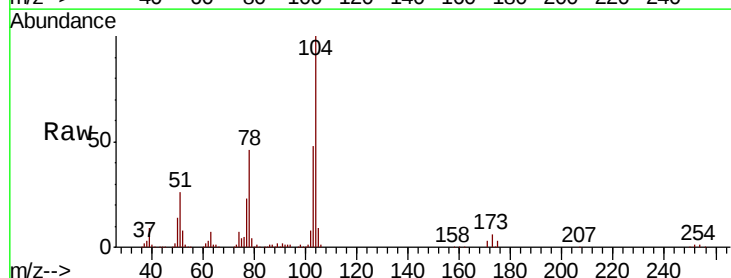
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 234061
Ion Ratio Lower Upper
106 100
91 212.4 104.8 314.6



#70
Styrene
Concen: 46.043 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion:104 Resp: 302542
Ion Ratio Lower Upper
104 100
78 45.7 37.3 55.9
103 48.0 36.8 55.2





#71

Bromoform

Concen: 49.119 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

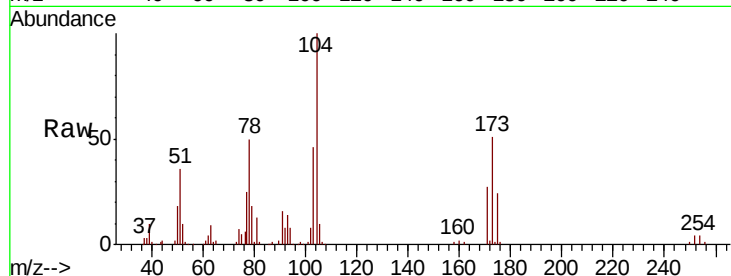
Tot Ion:173 Resp: 65481

Ion Ratio Lower Upper

173 100

175 47.8 25.5 76.5

254 8.8 7.5 11.3

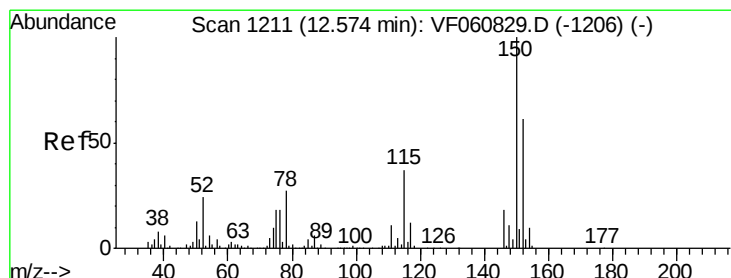
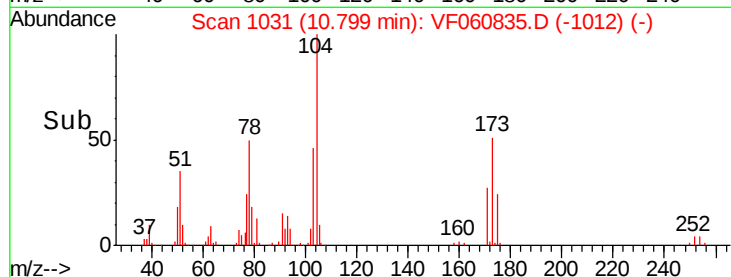
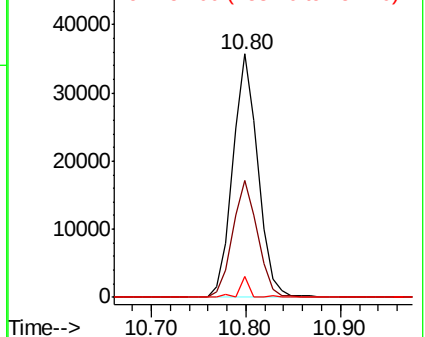


Abundance

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: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

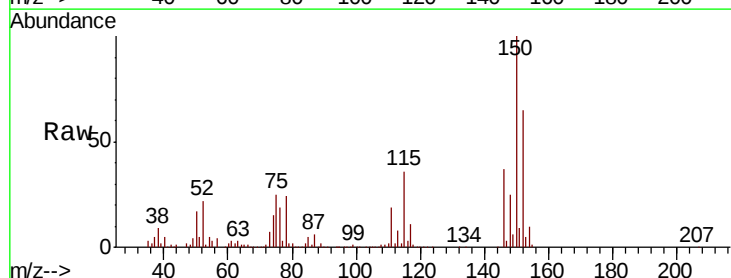
Tgt Ion:152 Resp: 170836

Ion Ratio Lower Upper

152 100

115 55.4 30.1 90.5

150 154.9 0.0 327.6

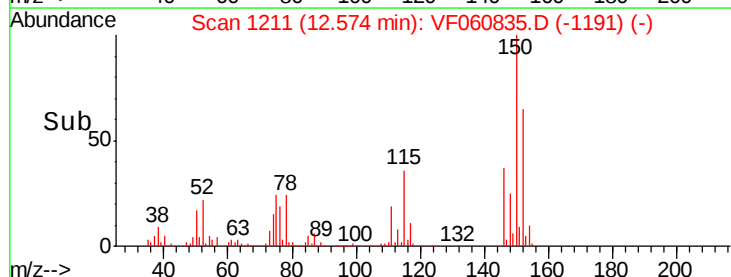
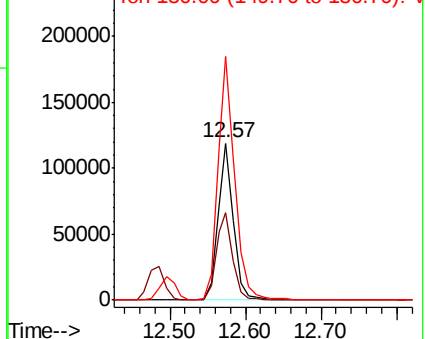


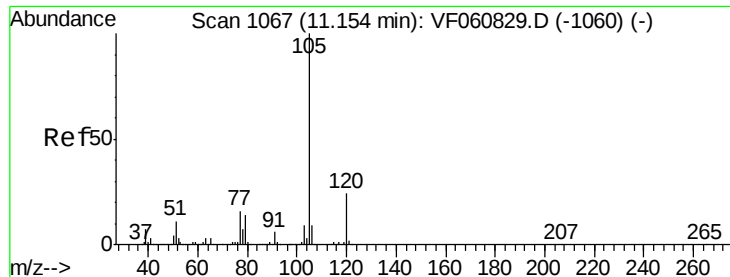
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 48.717 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

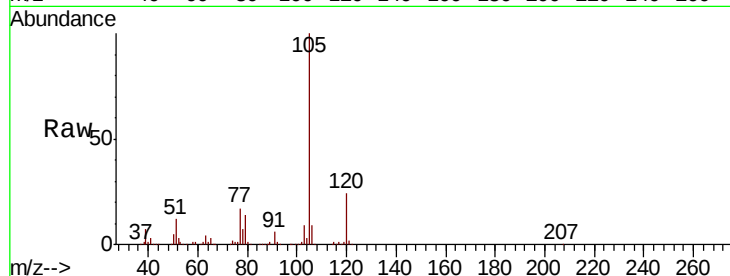
VSTDCCC050

Tot Ion:105 Resp: 657693

Ion Ratio Lower Upper

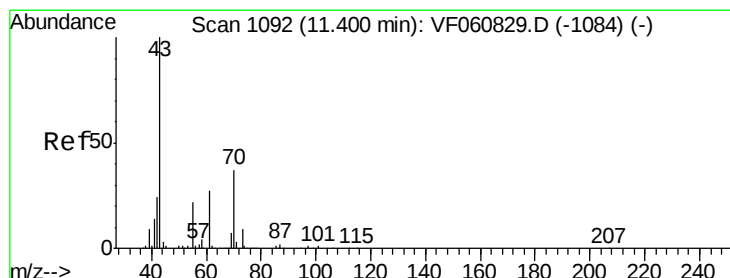
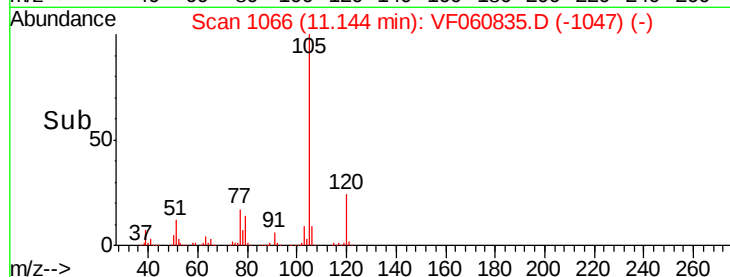
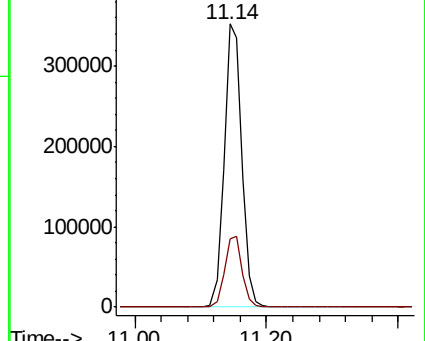
105 100

120 24.2 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.088 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Tgt Ion: 43 Resp: 159265

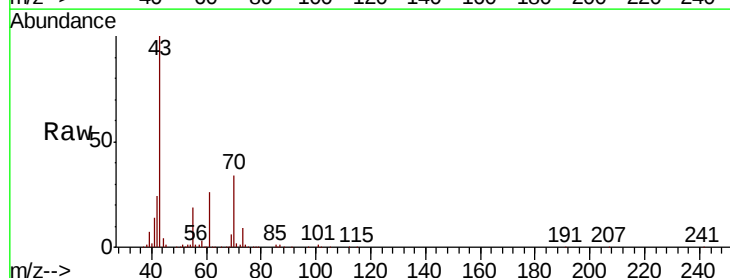
Ion Ratio Lower Upper

43 100

70 34.3 29.6 44.4

55 19.3 17.2 25.8

61 25.9 21.8 32.6

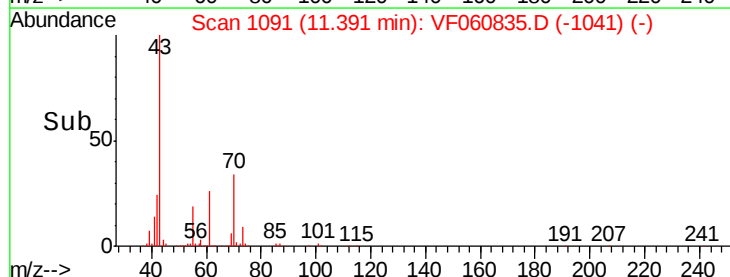
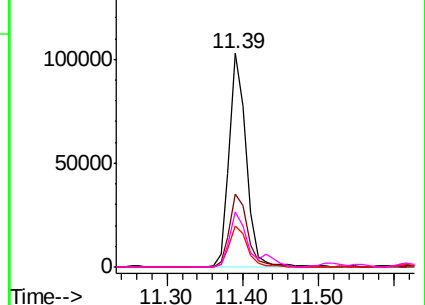


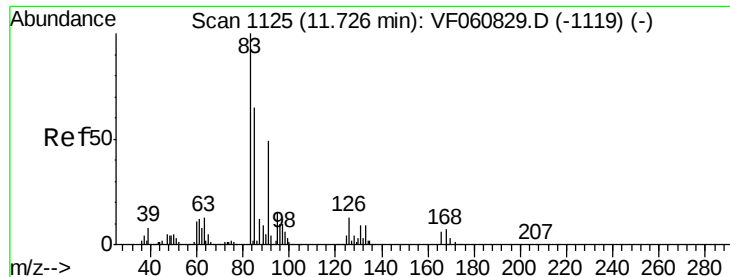
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 51.037 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

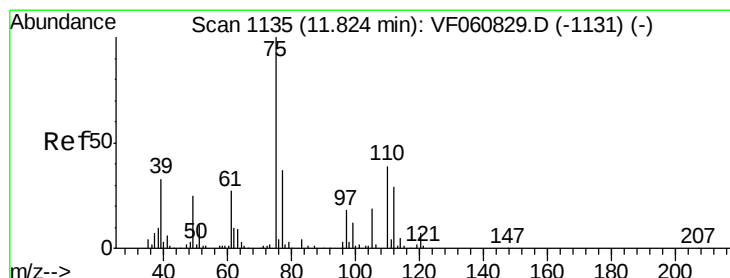
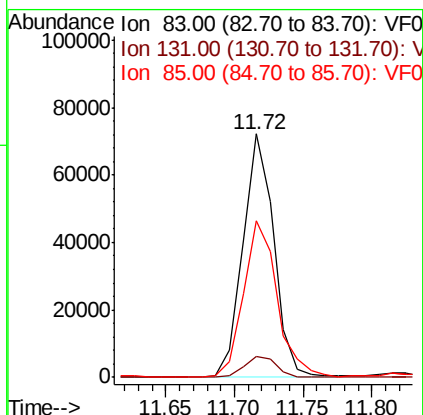
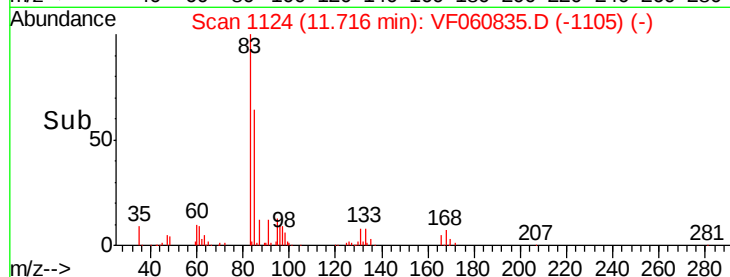
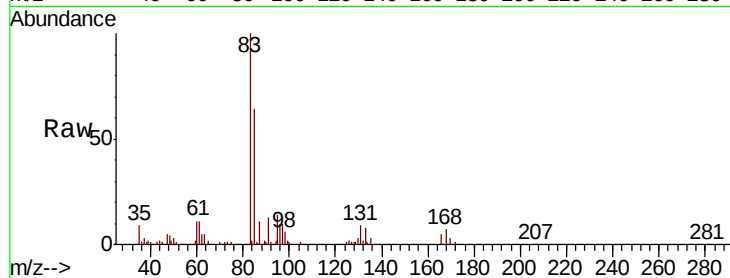
Tot Ion: 83 Resp: 113398

Ion Ratio Lower Upper

83 100

131 8.6 4.7 14.1

85 64.2 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 50.092 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060835.D

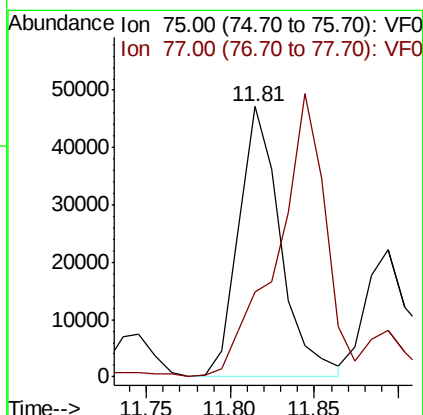
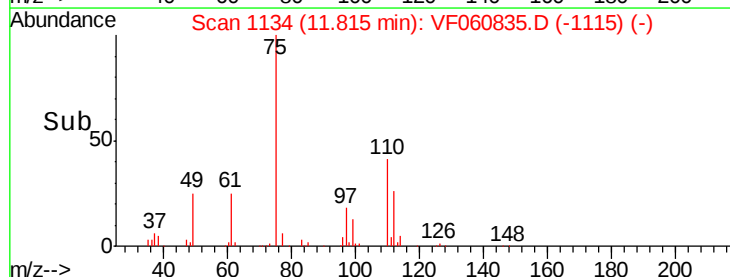
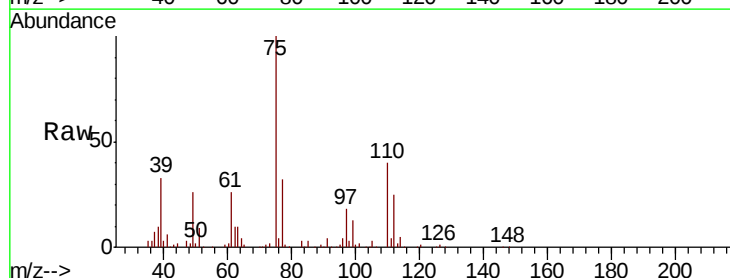
Acq: 27 Nov 2018 13:08

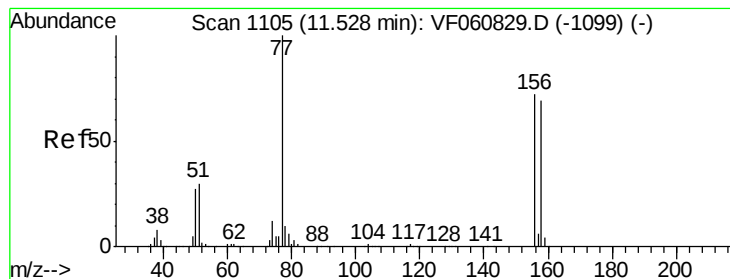
Tgt Ion: 75 Resp: 80899

Ion Ratio Lower Upper

75 100

77 31.6 18.4 55.4





#77

Bromobenzene

Concen: 47.290 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

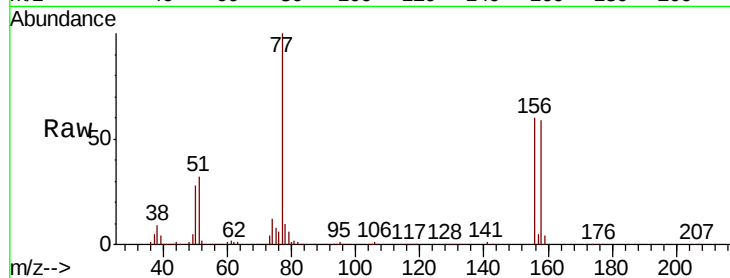
Tot Ion:156 Resp: 139969

Ion Ratio Lower Upper

156 100

77 167.2 69.7 209.0

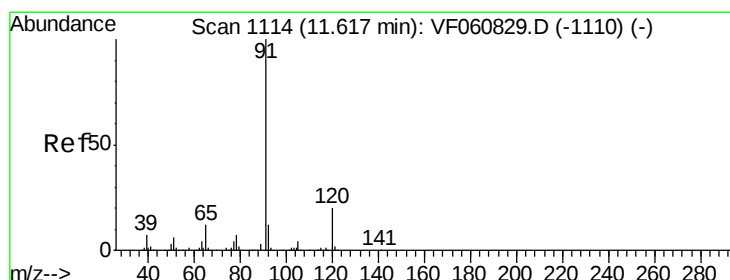
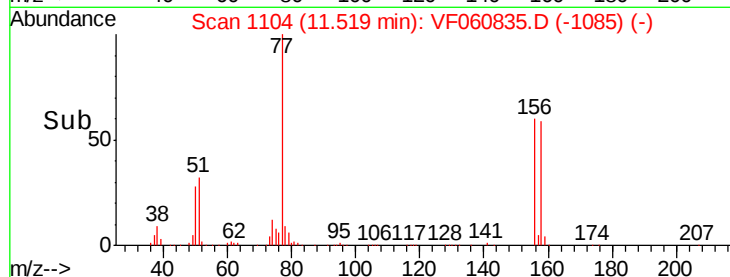
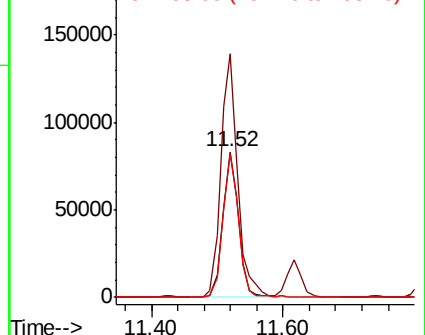
158 98.5 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 47.883 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF060835.D

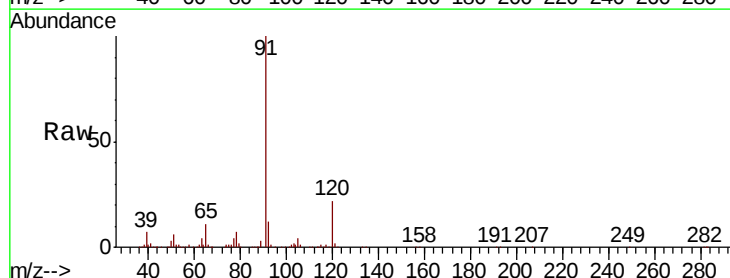
Acq: 27 Nov 2018 13:08

Tgt Ion: 91 Resp: 757028

Ion Ratio Lower Upper

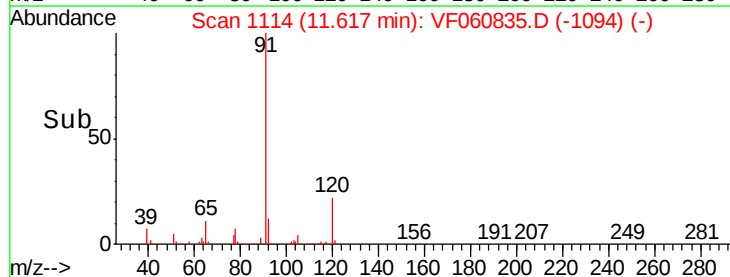
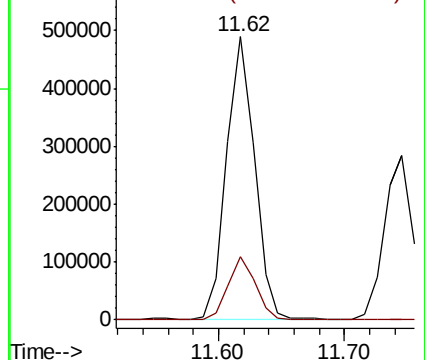
91 100

120 22.3 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

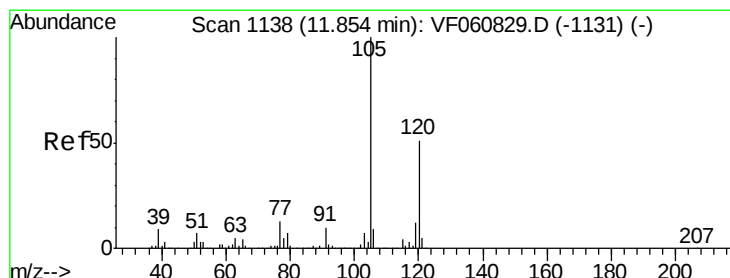
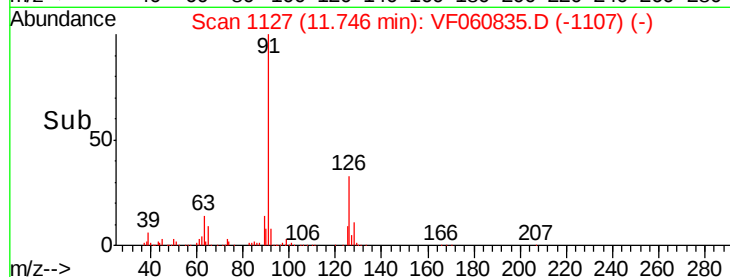
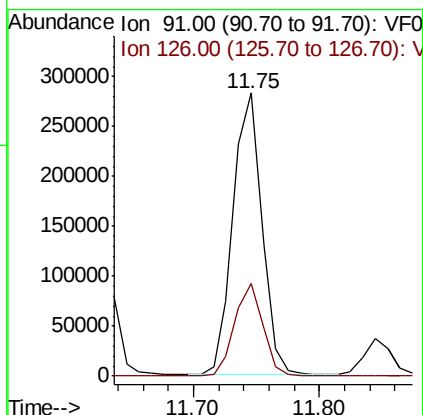
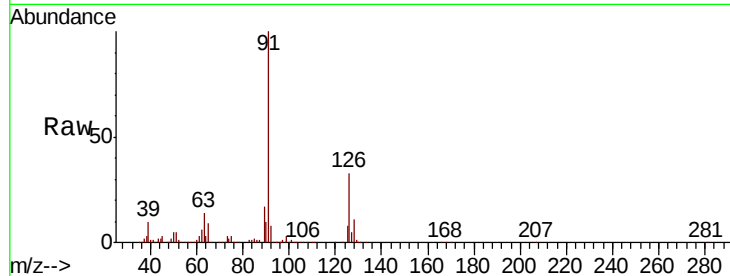




#79
 2-Chlorotoluene
 Concen: 49.314 ug/l
 RT: 11.75 min Scan# 1127
 Delta R.T. 0.00 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

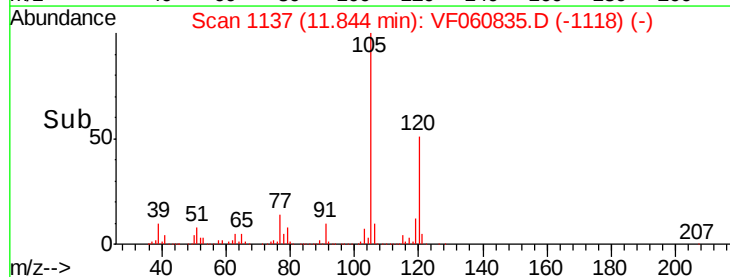
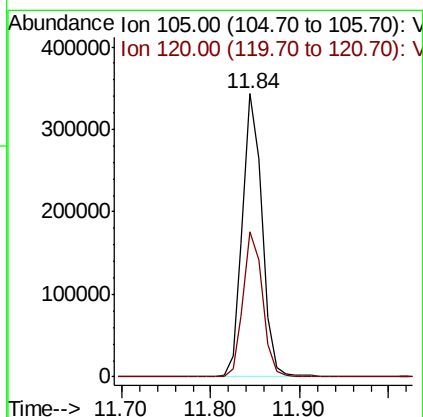
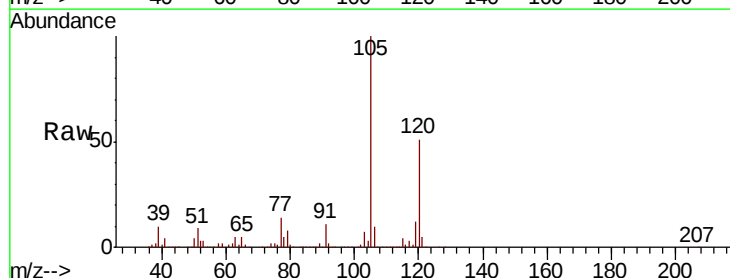
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

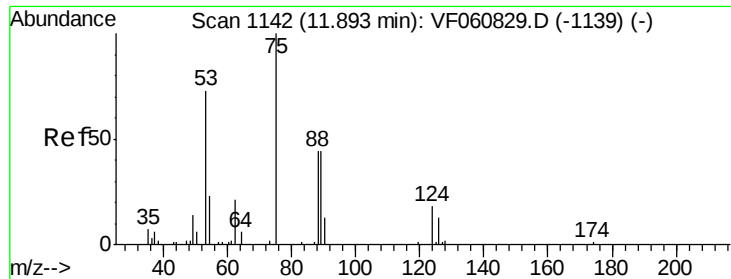
Tot Ion: 91 Resp: 447044
 Ion Ratio Lower Upper
 91 100
 126 32.6 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 48.047 ug/l
 RT: 11.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Tgt Ion: 105 Resp: 526592
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.8 77.3

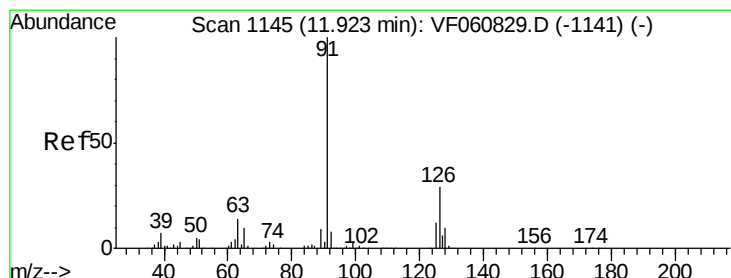
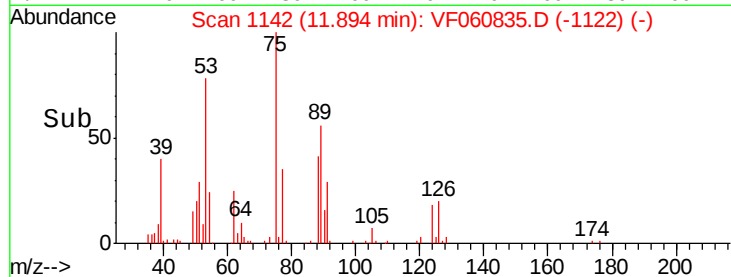
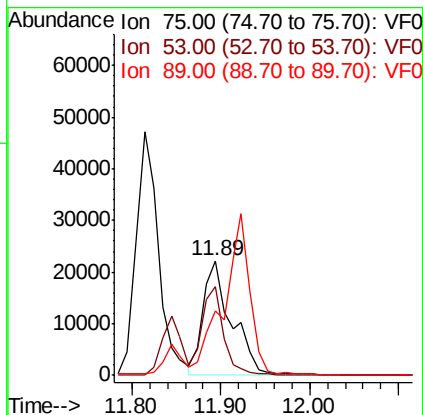
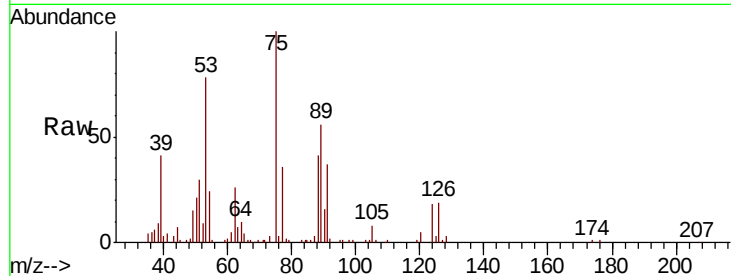




#81
trans-1,4-Dichloro-2-butene
Concen: 63.168 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

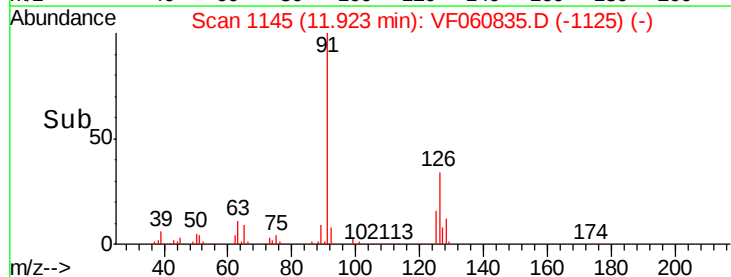
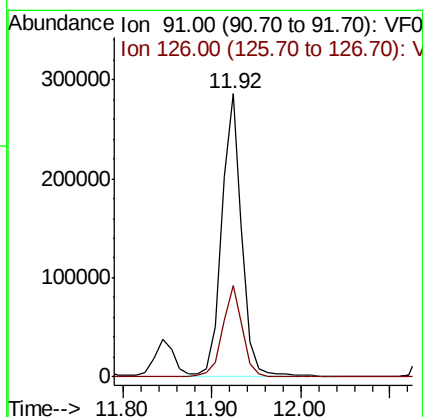
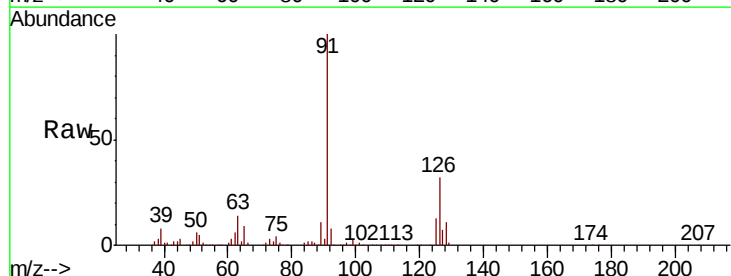
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

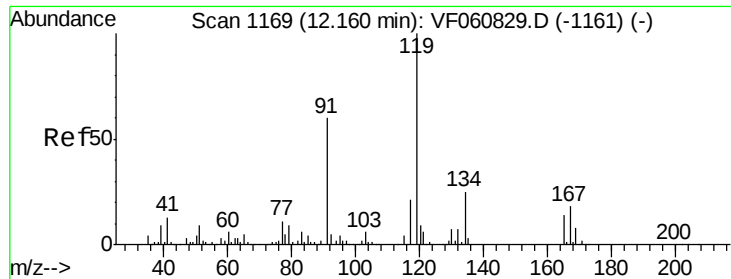
Tot Ion: 75 Resp: 49984
Ion Ratio Lower Upper
75 100
53 77.9 65.9 98.9
89 56.1 38.8 58.2



#82
4-Chlorotoluene
Concen: 46.602 ug/l
RT: 11.92 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 91 Resp: 444588
Ion Ratio Lower Upper
91 100
126 32.2 14.8 44.4

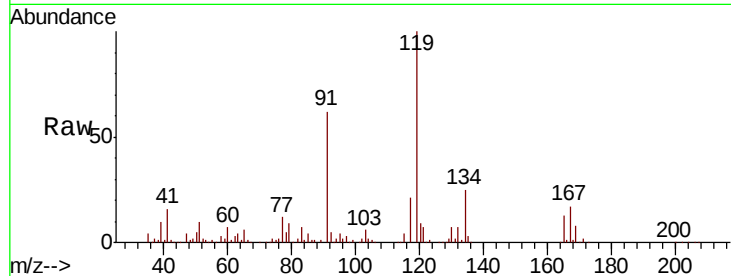




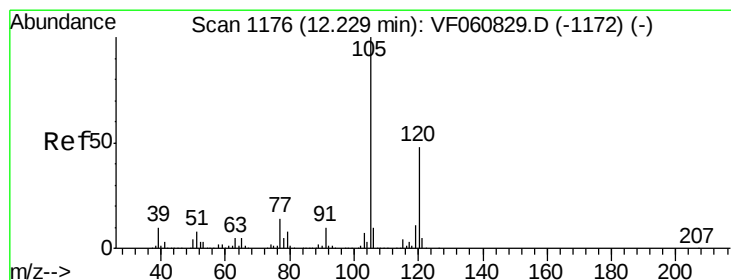
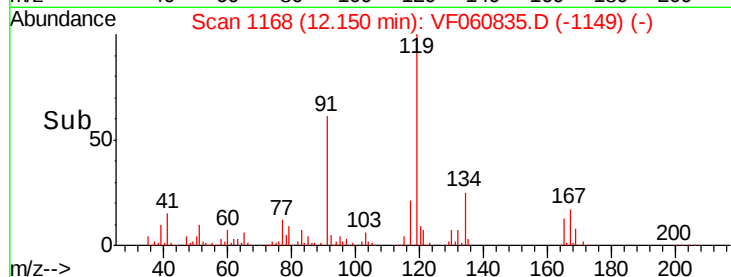
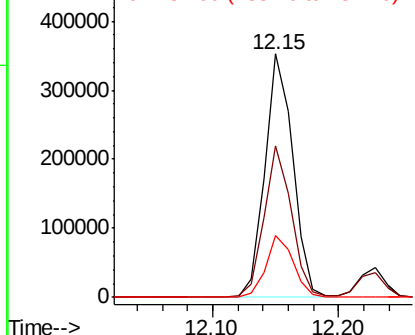
#83
tert-Butylbenzene
Concen: 49.139 ug/l
RT: 12.15 min Scan# 1168
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 548585
Ion Ratio Lower Upper
119 100
91 62.1 30.1 90.3
134 25.2 12.6 37.8

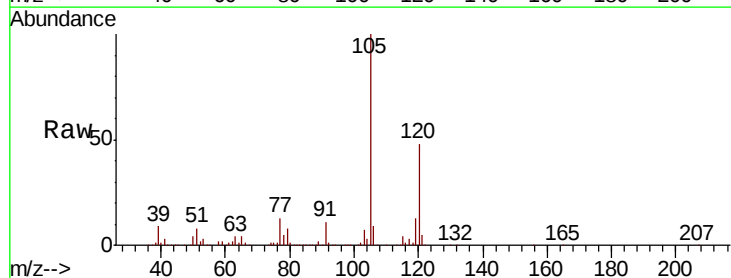


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

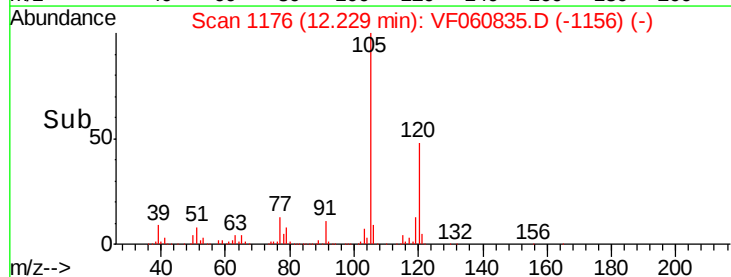
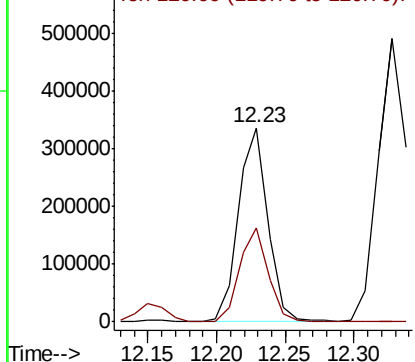


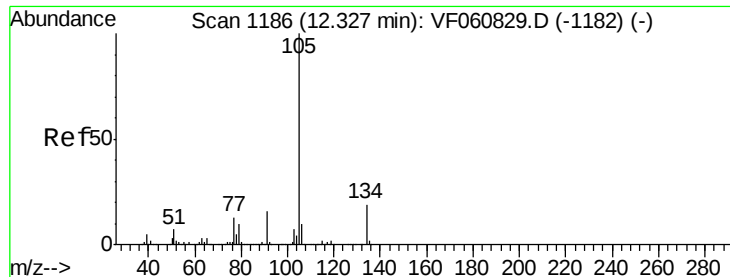
#84
1,2,4-Trimethylbenzene
Concen: 45.831 ug/l
RT: 12.23 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion:105 Resp: 501312
Ion Ratio Lower Upper
105 100
120 48.4 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.612 ug/l

RT: 12.33 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

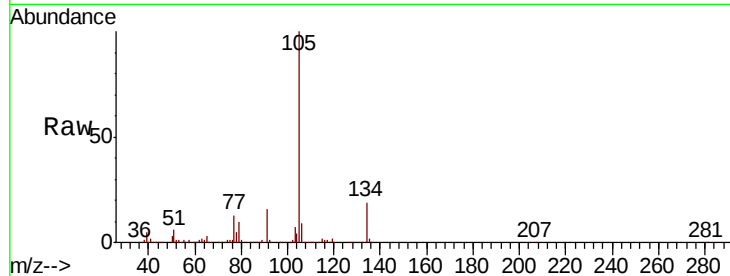
VSTDCCC050

Tot Ion:105 Resp: 727646

Ion Ratio Lower Upper

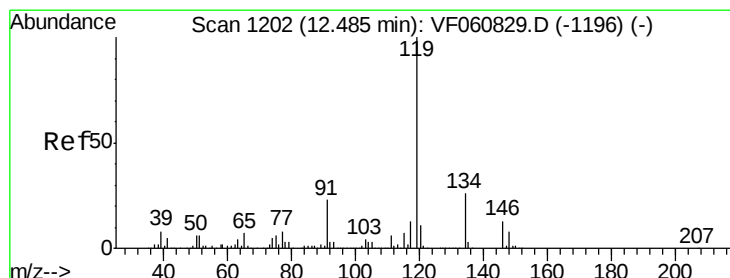
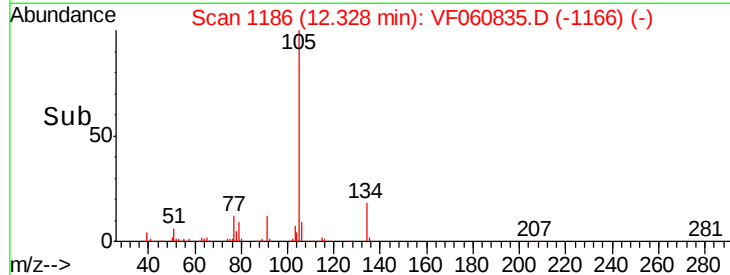
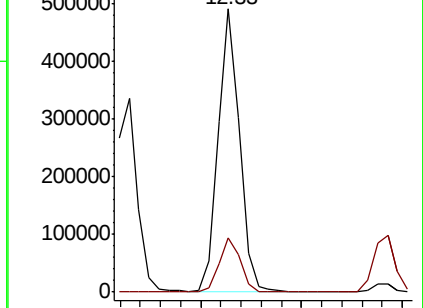
105 100

134 19.4 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.935 ug/l

RT: 12.49 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

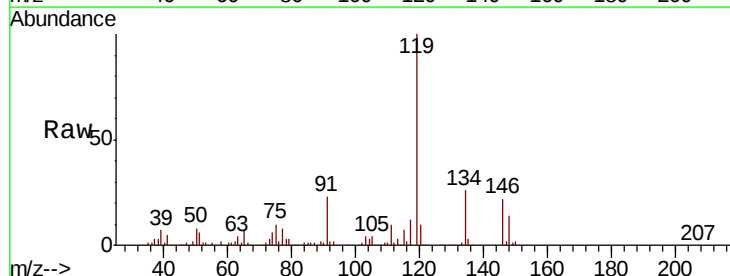
Tgt Ion:119 Resp: 588567

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

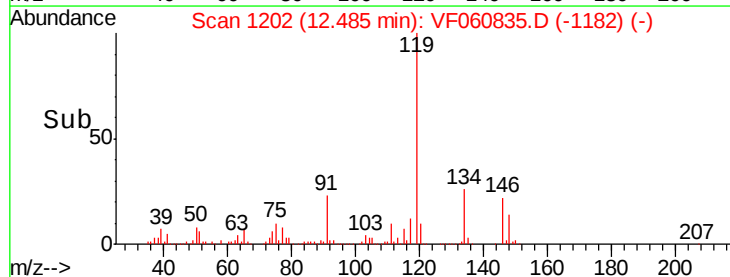
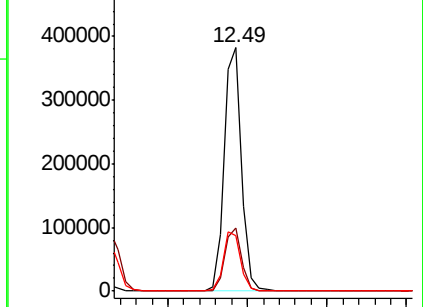
91 23.0 11.8 35.3

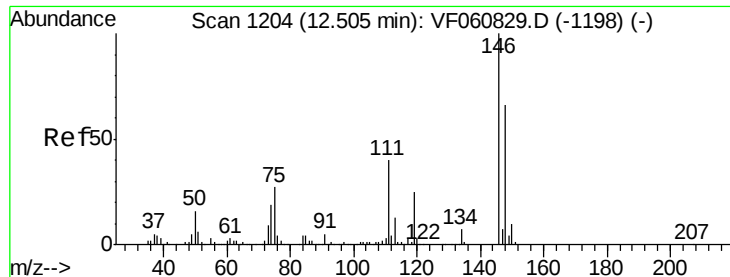


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 46.215 ug/l

RT: 12.50 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

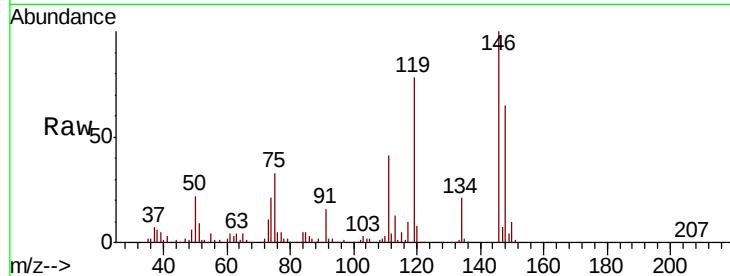
Tot Ion:146 Resp: 260188

Ion Ratio Lower Upper

146 100

111 40.7 20.0 59.9

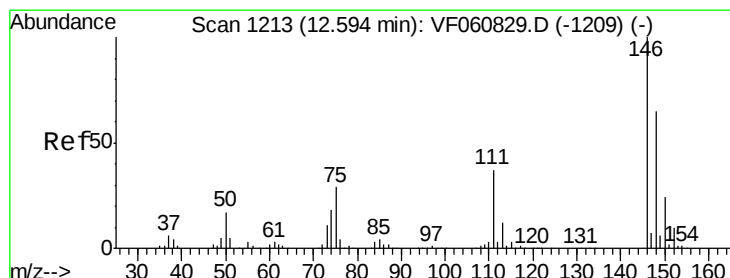
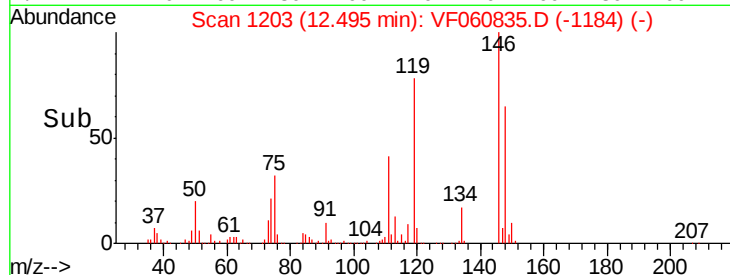
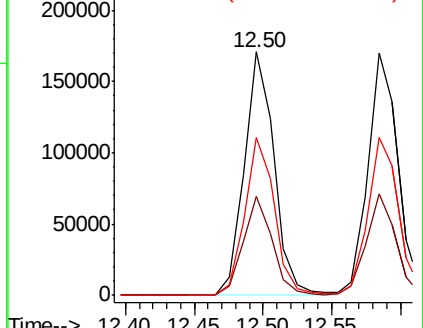
148 64.9 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 47.501 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

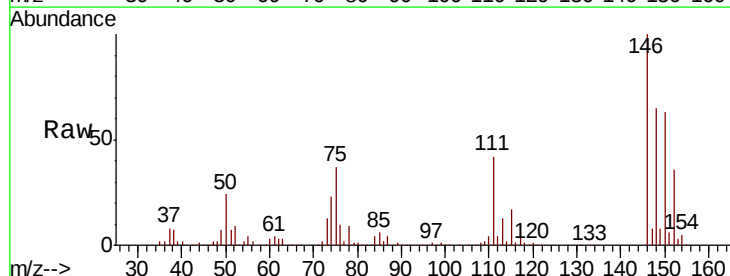
Tgt Ion:146 Resp: 260619

Ion Ratio Lower Upper

146 100

111 42.2 18.9 56.7

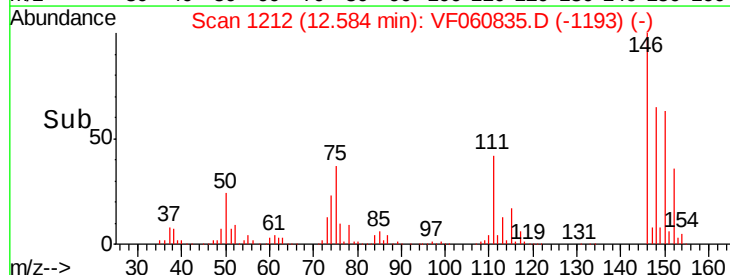
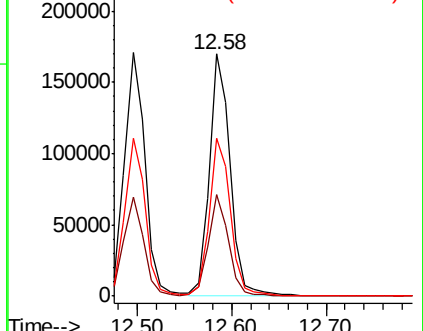
148 65.2 32.3 96.9

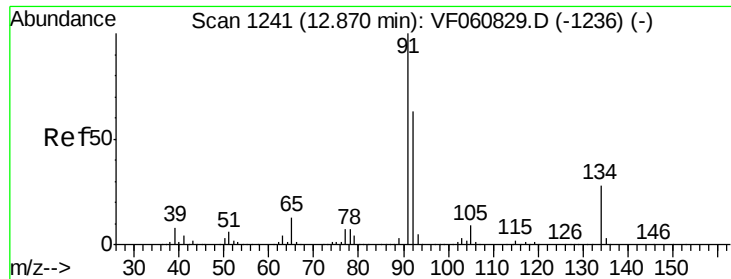


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

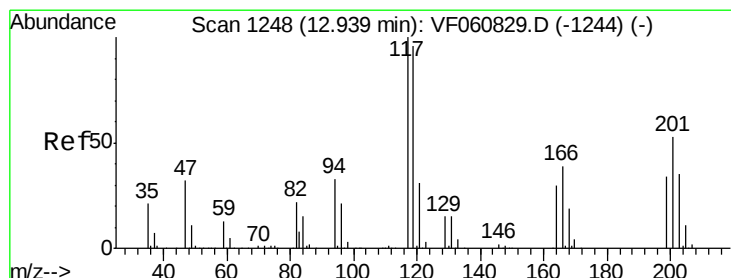
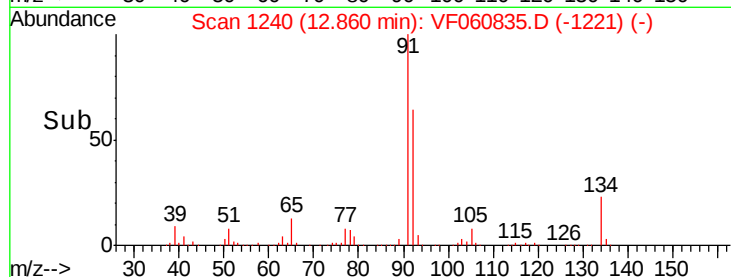
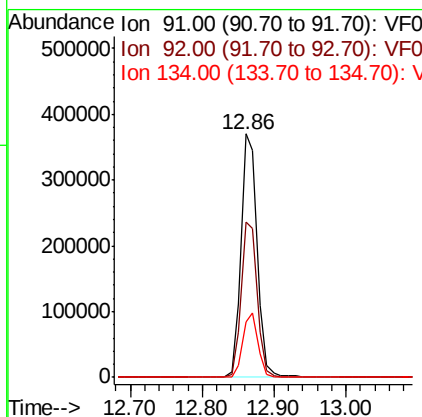
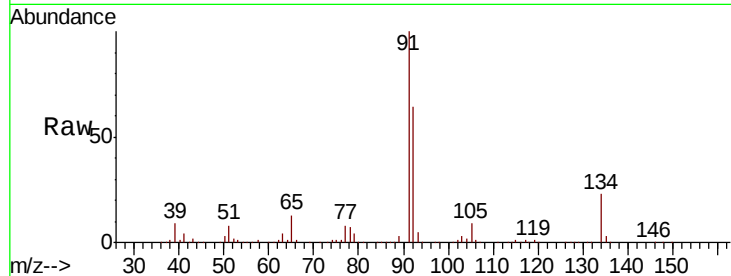




#89
n-Butylbenzene
Concen: 44.690 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

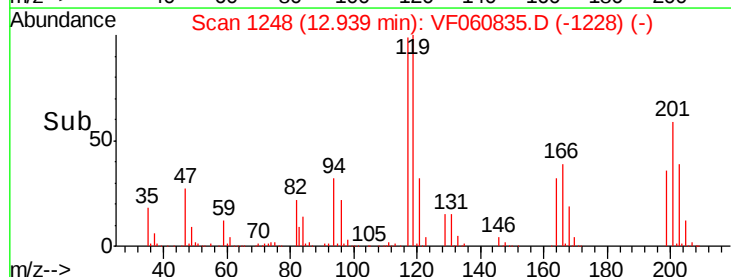
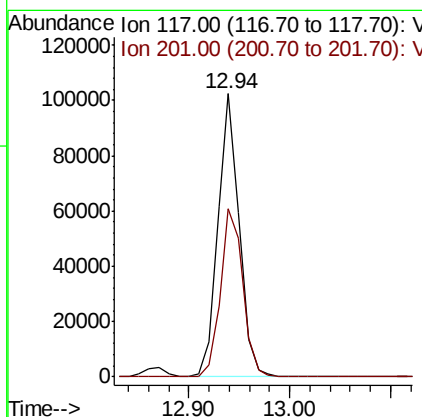
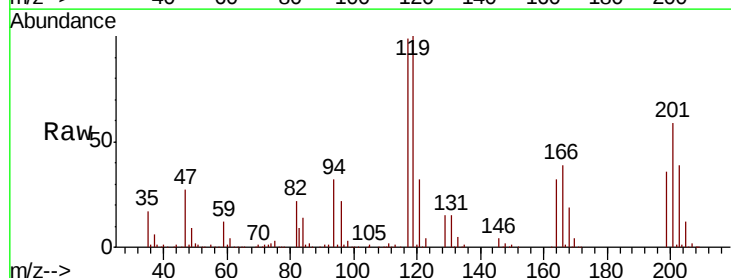
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

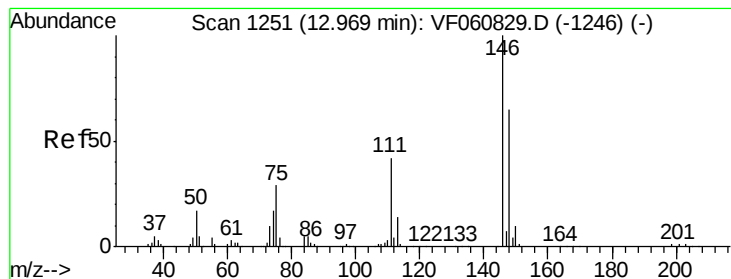
Tot Ion: 91 Resp: 579003
Ion Ratio Lower Upper
91 100
92 63.5 31.6 94.7
134 22.8 13.8 41.4



#90
Hexachloroethane
Concen: 49.187 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion: 117 Resp: 151763
Ion Ratio Lower Upper
117 100
201 59.2 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 46.999 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

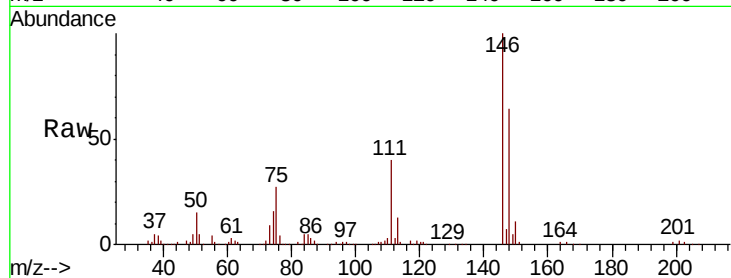
Tot Ion:146 Resp: 250580

Ion Ratio Lower Upper

146 100

111 39.9 21.2 63.6

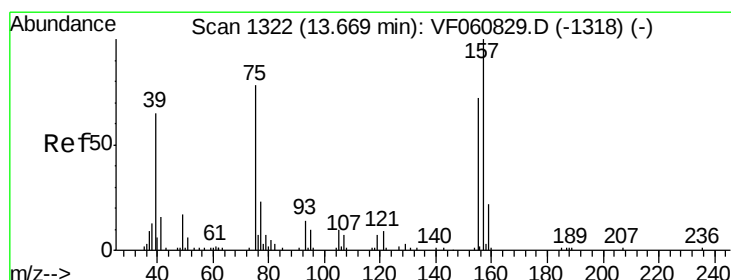
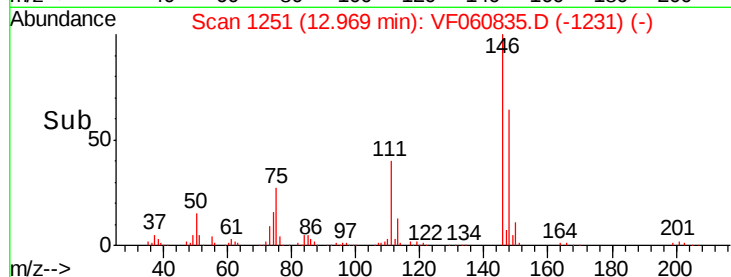
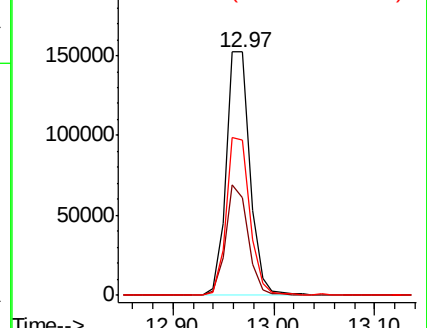
148 63.8 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.173 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF060835.D

Acq: 27 Nov 2018 13:08

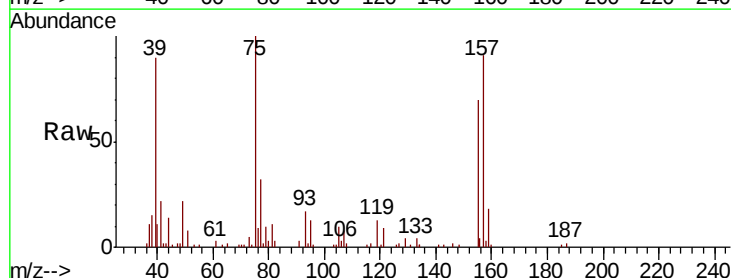
Tgt Ion: 75 Resp: 20694

Ion Ratio Lower Upper

75 100

155 70.0 45.6 136.9

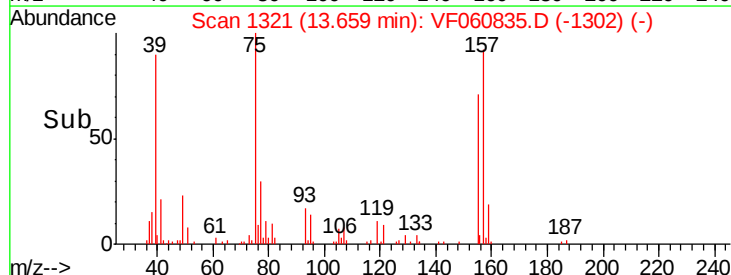
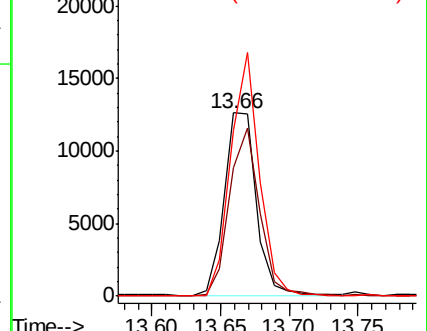
157 90.5 63.8 191.5

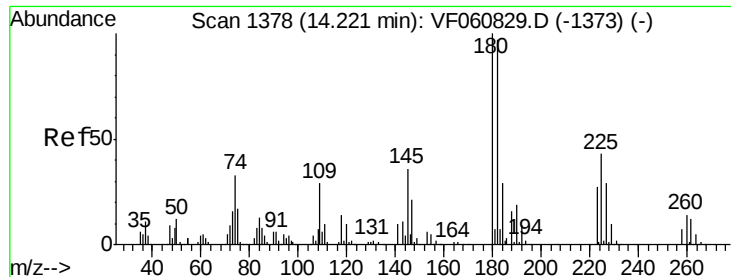


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

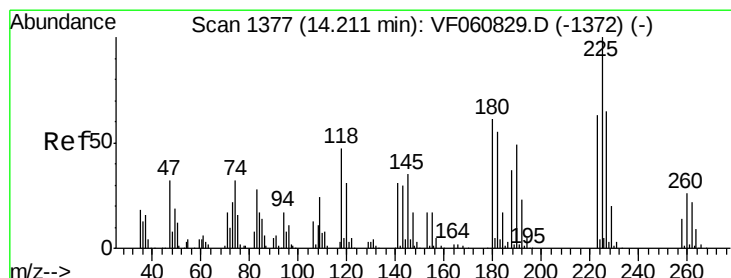
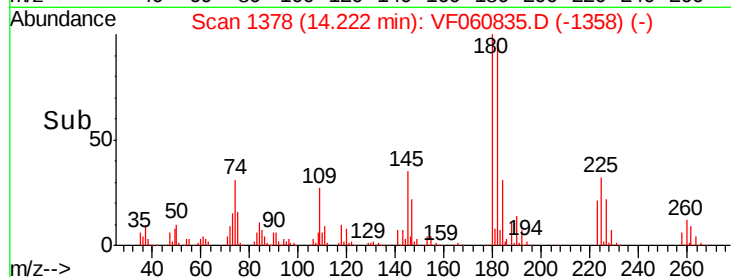
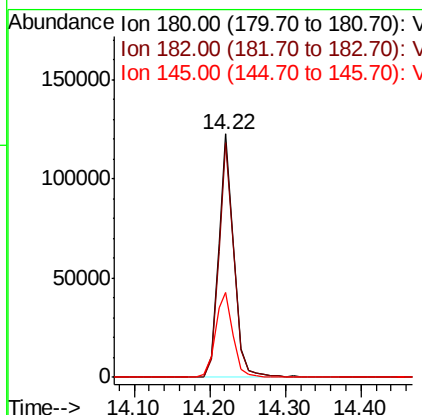
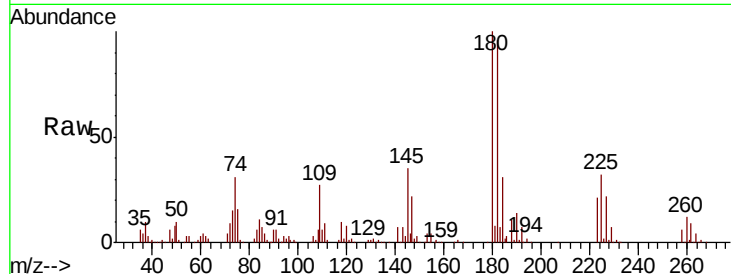




#93
 1,2,4-Trichlorobenzene
 Concen: 46.820 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

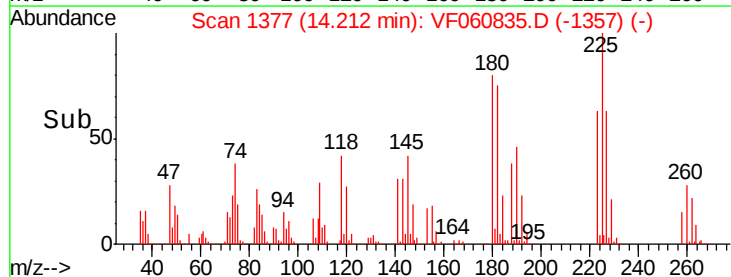
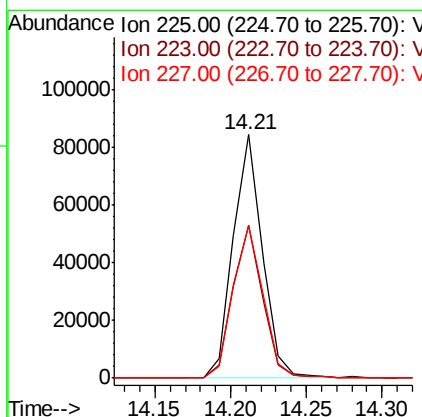
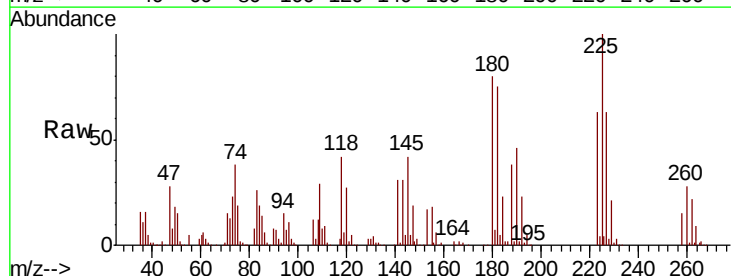
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 174418
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.5 145.5
 145 34.8 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 45.581 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060835.D
 Acq: 27 Nov 2018 13:08

Tgt Ion:225 Resp: 113194
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.3
 227 62.8 32.5 97.5

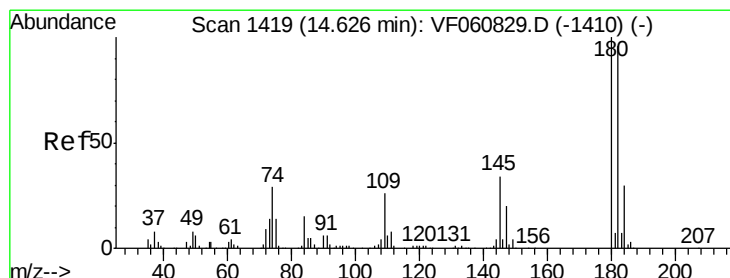
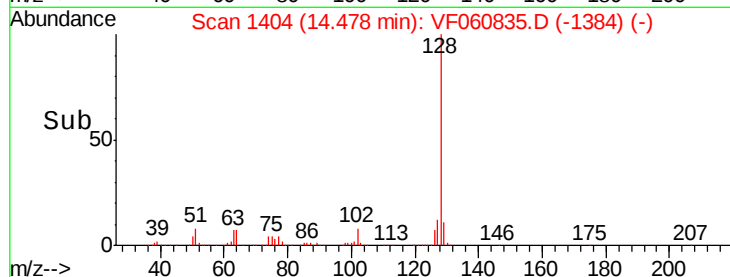
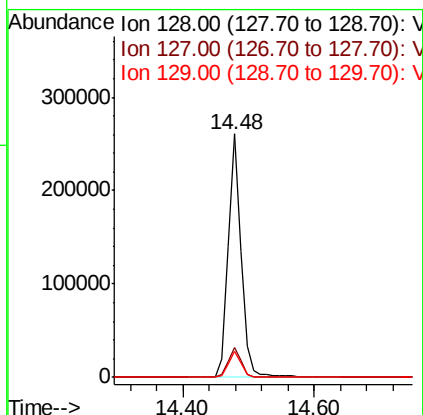
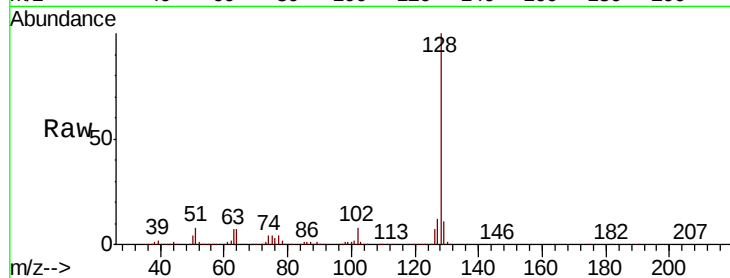




#95
Naphthalene
Concen: 50.470 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 364684
Ion Ratio Lower Upper
128 100
127 12.1 9.9 14.9
129 10.9 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 47.845 ug/l
RT: 14.63 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF060835.D
Acq: 27 Nov 2018 13:08

Tgt Ion:180 Resp: 165497
Ion Ratio Lower Upper
180 100
182 94.0 47.9 143.8
145 32.4 17.2 51.5

