

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060095.D
 Acq On : 24 Aug 2018 12:39
 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: Aug 25 03:43:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	160274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	252595	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	272091	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	167990	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	117146	53.40	ug/l	-0.01
Spiked Amount			Recovery	=	106.80%	
35) Dibromofluoromethane	4.29	113	109205	55.06	ug/l	-0.01
Spiked Amount			Recovery	=	110.12%	
50) Toluene-d8	7.71	98	286489	50.86	ug/l	-0.01
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	11.50	95	157906	52.99	ug/l	-0.01
Spiked Amount			Recovery	=	105.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	116136	55.04	ug/l	98
3) Chloromethane	1.07	50	71642	52.49	ug/l	97
4) Vinyl Chloride	1.12	62	62448	47.67	ug/l	98
5) Bromomethane	1.32	94	40269	40.45	ug/l	91
6) Chloroethane	1.39	64	27776	53.78	ug/l	93
7) Trichlorofluoromethane	1.49	101	187071	71.01	ug/l	98
8) Diethyl Ether	1.70	74	21923	46.55	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	79065	57.17	ug/l	98
10) Methyl Iodide	1.93	142	73860	40.40	ug/l #	83
11) Tert butyl alcohol	2.67	59	27809	238.30	ug/l #	86
12) 1,1-Dichloroethene	1.82	96	51298	50.35	ug/l	84
13) Acrolein	2.09	56	14758	211.53	ug/l	84
14) Allyl chloride	2.19	41	91054	50.32	ug/l	94
15) Acrylonitrile	3.06	53	77332	335.81	ug/l	93
16) Acetone	2.33	43	171058	296.71	ug/l	93
17) Carbon Disulfide	1.84	76	141990	44.51	ug/l	98
18) Methyl Acetate	2.44	43	48680	49.38	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	153578	47.05	ug/l	100
20) Methylene Chloride	2.27	84	56154	49.40	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	52363	45.93	ug/l	92
22) Diisopropyl ether	2.92	45	230486	56.88	ug/l	97
23) Vinyl Acetate	3.32	43	541832	252.43	ug/l	100
24) 1,1-Dichloroethane	2.99	63	176610	70.56	ug/l	99
25) 2-Butanone	4.49	43	204418	272.98	ug/l	97
26) 2,2-Dichloropropane	3.75	77	157034	60.64	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	90704	56.15	ug/l	98
28) Bromochloromethane	3.88	49	52507	49.69	ug/l	86
29) Tetrahydrofuran	4.24	42	69887	247.19	ug/l	97
30) Chloroform	4.03	83	202086	57.52	ug/l	90
31) Cyclohexane	3.85	56	99928	52.39	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	185141	61.53	ug/l	95
36) 1,1-Dichloropropene	4.45	75	121616	51.23	ug/l	96
37) Ethyl Acetate	4.28	43	71284	50.21	ug/l	87
38) Carbon Tetrachloride	4.17	117	161842	58.88	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	106353	47.78	ug/l	90
40) Benzene	4.80	78	262450	50.61	ug/l	97
41) Methacrylonitrile	4.91	41	32047	44.63	ug/l	94
42) 1,2-Dichloroethane	5.11	62	146820	52.80	ug/l	100
43) Isopropyl Acetate	7.10	43	78805	44.10	ug/l #	99
44) Trichloroethene	5.67	130	87500	51.04	ug/l	98
45) 1,2-Dichloropropane	6.39	63	78249	53.35	ug/l	97
46) Dibromomethane	6.25	93	62913	54.82	ug/l	93
47) Bromodichloromethane	6.54	83	158343	57.12	ug/l	94
48) Methyl methacrylate	6.87	41	54203	45.84	ug/l	95
49) 1,4-Dioxane	6.86	88	12011	1058.22	ug/l #	90
51) 4-Methyl-2-Pentanone	8.40	43	370392	240.05	ug/l	99
52) Toluene	7.77	92	198797	60.64	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	130266	51.82	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	151641	54.05	ug/l	100
55) 1,1,2-Trichloroethane	8.63	97	75801	54.18	ug/l	97
56) Ethyl methacrylate	8.75	69	82696	48.83	ug/l	96
57) 1,3-Dichloropropane	9.00	76	132252	53.78	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	35606	264.87	ug/l	100
59) 2-Hexanone	9.62	43	316500	253.44	ug/l	97
60) Dibromochloromethane	8.86	129	110230	53.37	ug/l	100
61) 1,2-Dibromoethane	9.13	107	86833	52.84	ug/l	95
64) Tetrachloroethene	8.30	164	86417	47.15	ug/l	97
65) Chlorobenzene	9.93	112	262890	51.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	101701	52.19	ug/l	99
67) Ethyl Benzene	10.03	91	466167	52.58	ug/l	99
68) m/p-Xylenes	10.26	106	334644	117.36	ug/l	99
69) o-Xylene	10.82	106	177912	51.22	ug/l	100
70) Styrene	10.90	104	276421	51.87	ug/l	99
71) Bromoform	10.88	173	73095	53.76	ug/l	94
73) Isopropylbenzene	11.22	105	535411	52.95	ug/l	99
74) N-amyl acetate	11.46	43	152639	48.56	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	113550	51.42	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	84659	49.43	ug/l	97
77) Bromobenzene	11.59	156	141586	51.49	ug/l	92
78) n-propylbenzene	11.69	91	686637	55.02	ug/l	100
79) 2-Chlorotoluene	11.81	91	377298	51.41	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	468877	53.22	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	50390	64.31	ug/l	97
82) 4-Chlorotoluene	11.98	91	426514	53.53	ug/l	94
83) tert-Butylbenzene	12.21	119	461598	53.72	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	489701	52.29	ug/l	99
85) sec-Butylbenzene	12.39	105	618103	51.67	ug/l	99
86) p-Isopropyltoluene	12.54	119	544991	54.92	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	272300	53.55	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	264221	52.29	ug/l	97
89) n-Butylbenzene	12.92	91	566465	58.75	ug/l	99
90) Hexachloroethane	12.99	117	122625	54.99	ug/l	83
91) 1,2-Dichlorobenzene	13.02	146	254973	52.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	22594	50.07	ug/l	90

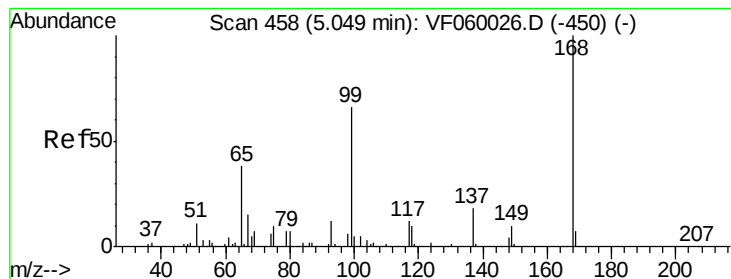
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	190971	53.03	ug/l	98
94) Hexachlorobutadiene	14.25	225	120451	53.74	ug/l	98
95) Naphthalene	14.52	128	301605	48.35	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	182395	53.09	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

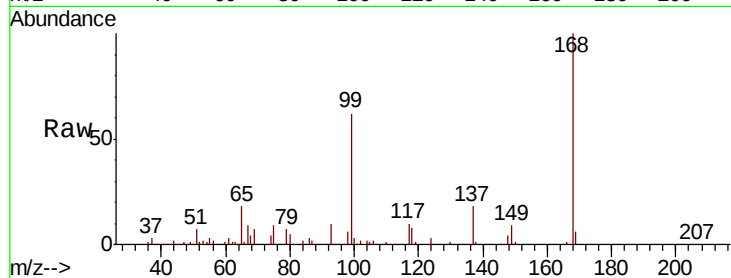
VSTDCCC050

Tot Ion:168 Resp: 160274

Ion Ratio Lower Upper

168 100

99 62.3 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

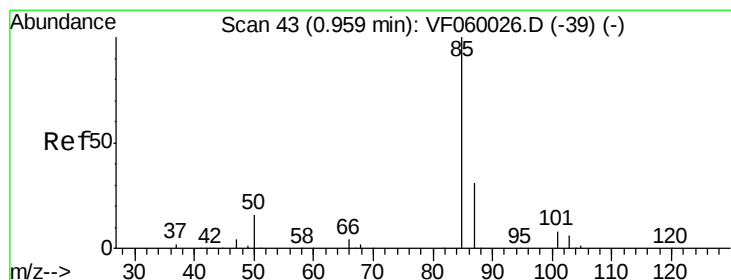
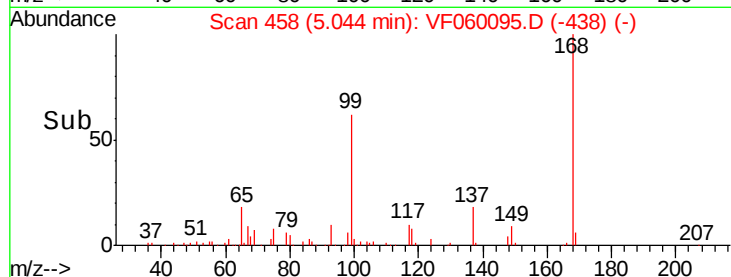
20000

10000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 55.04 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF060095.D

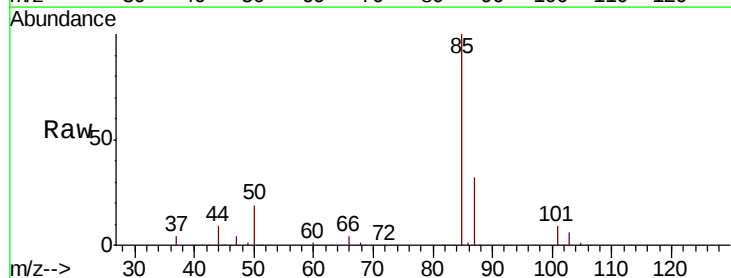
Acq: 24 Aug 2018 12:39

Tgt Ion: 85 Resp: 116136

Ion Ratio Lower Upper

85 100

87 31.8 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

80000

60000

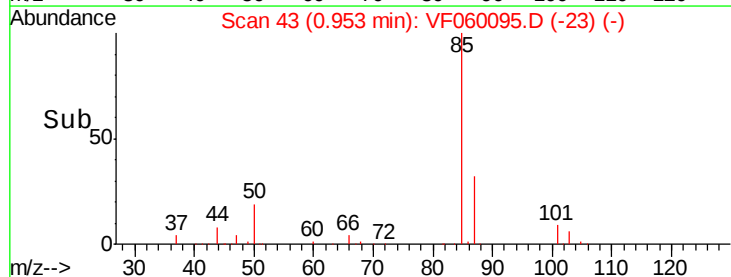
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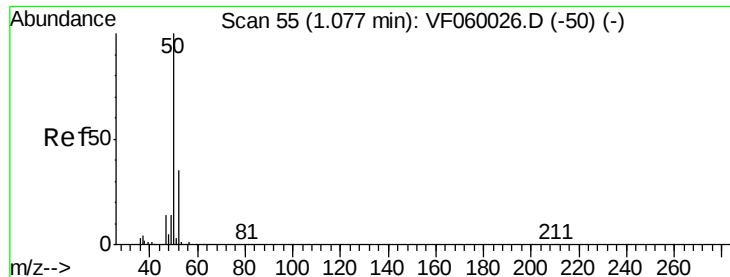
20000

0

0.90 0.95 1.00 1.05

Time-->





#3

Chloromethane

Concen: 52.49 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

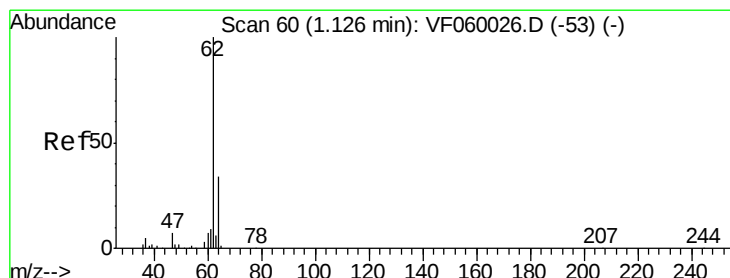
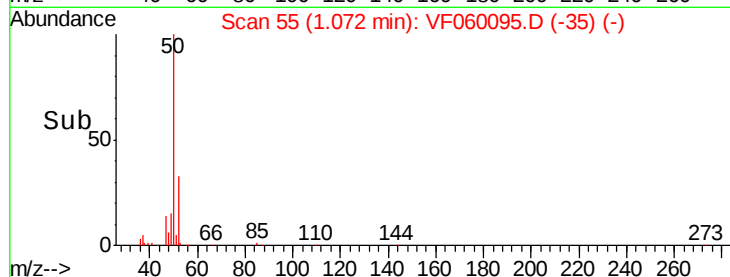
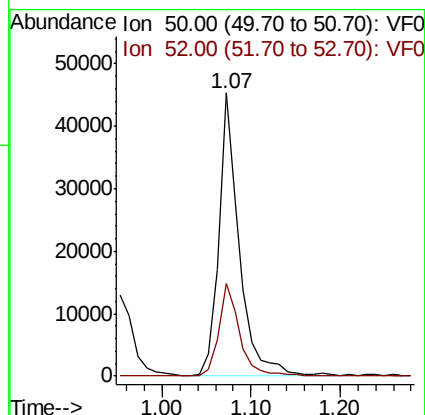
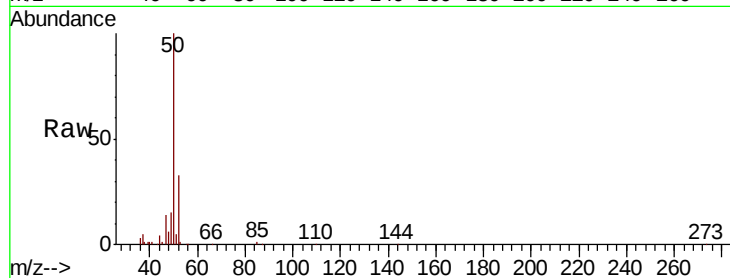
VSTDCCC050

Tot Ion: 50 Resp: 71642

Ion Ratio Lower Upper

50 100

52 32.7 27.6 41.4



#4

Vinyl Chloride

Concen: 47.67 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VF060095.D

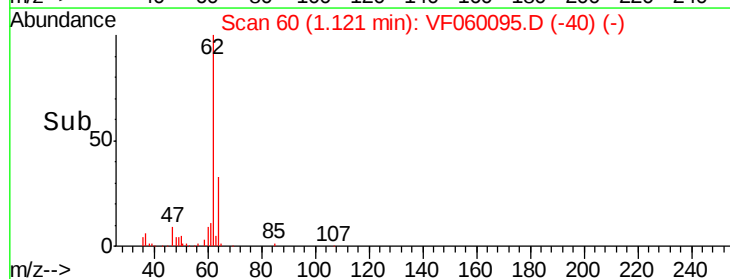
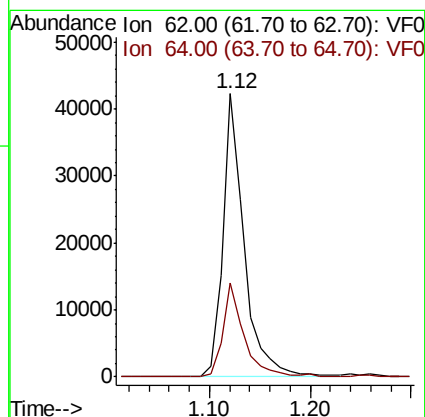
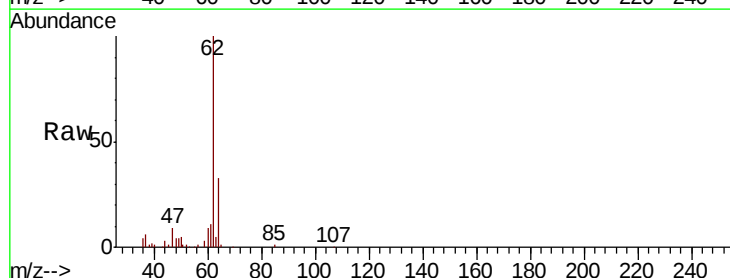
Acq: 24 Aug 2018 12:39

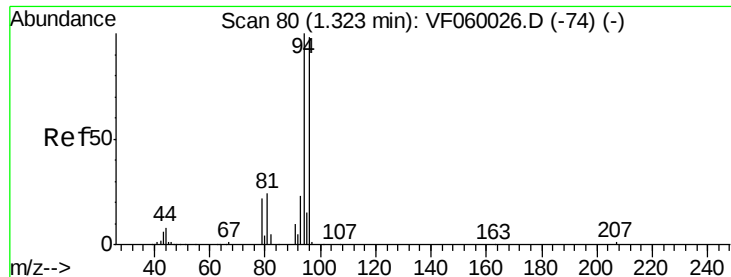
Tgt Ion: 62 Resp: 62448

Ion Ratio Lower Upper

62 100

64 33.0 27.4 41.2





#5

Bromomethane

Concen: 40.45 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

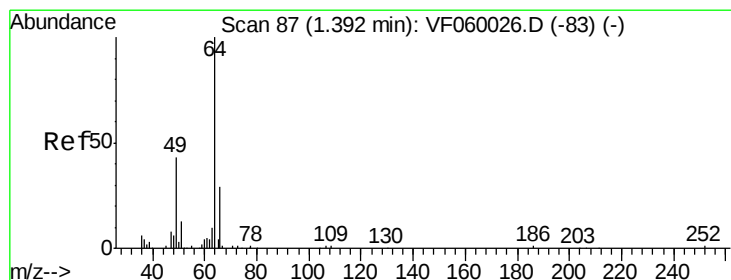
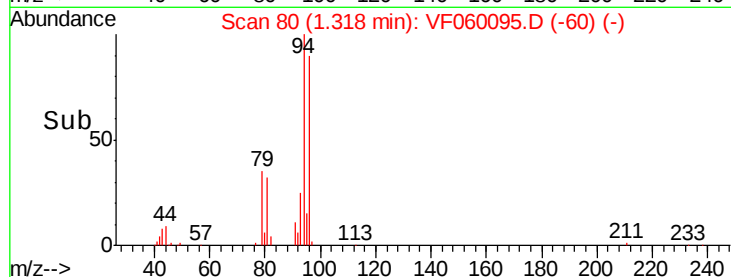
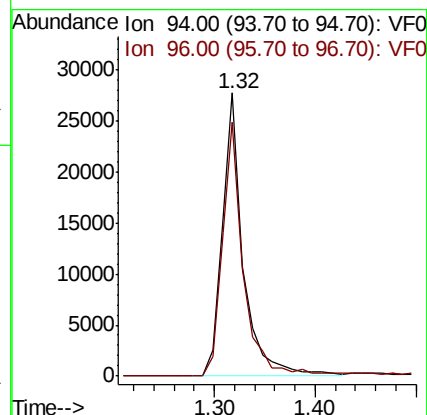
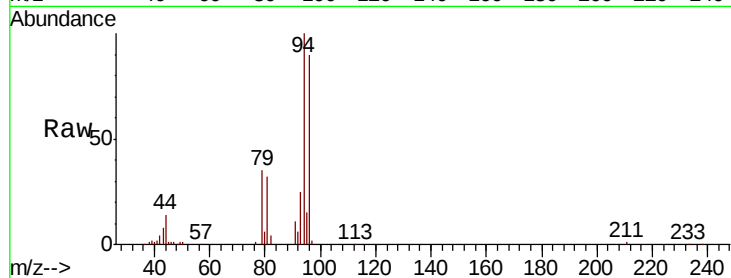
VSTDCCC050

Tot Ion: 94 Resp: 40269

Ion Ratio Lower Upper

94 100

96 89.8 78.6 118.0



#6

Chloroethane

Concen: 53.78 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060095.D

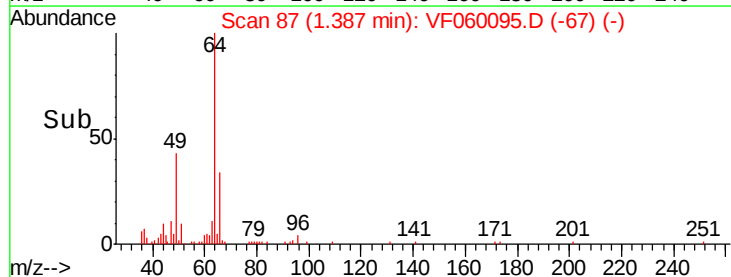
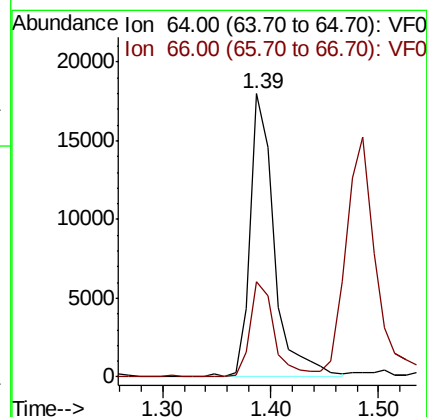
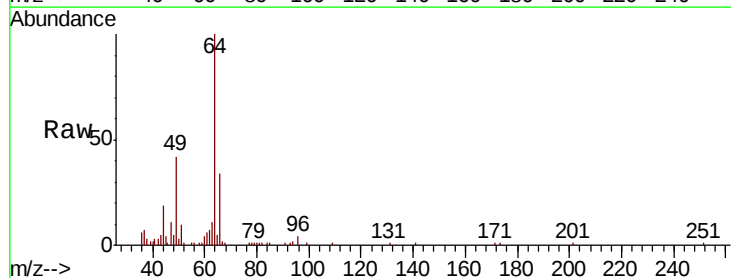
Acq: 24 Aug 2018 12:39

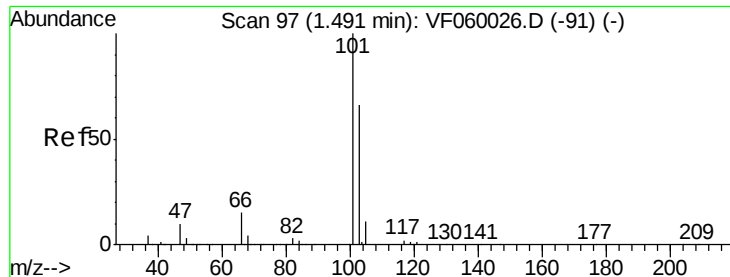
Tgt Ion: 64 Resp: 27776

Ion Ratio Lower Upper

64 100

66 33.8 24.1 36.1





#7

Trichlorofluoromethane

Concen: 71.01 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

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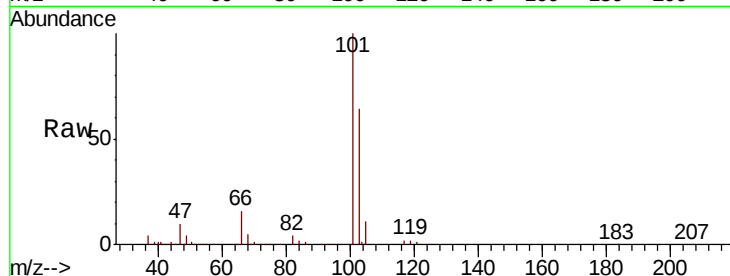
VSTDCCC050

Tot Ion:101 Resp: 187071

Ion Ratio Lower Upper

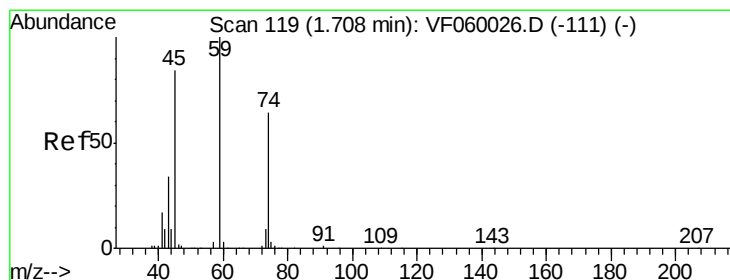
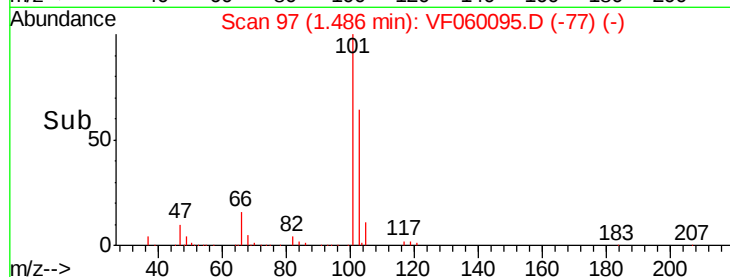
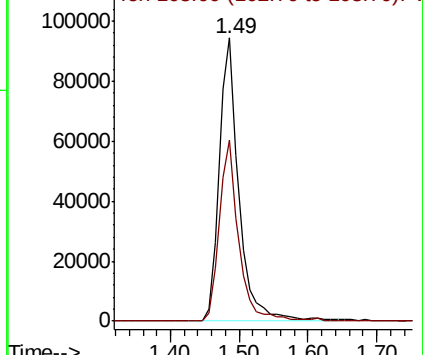
101 100

103 64.1 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 46.55 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.01 min

Lab File: VF060095.D

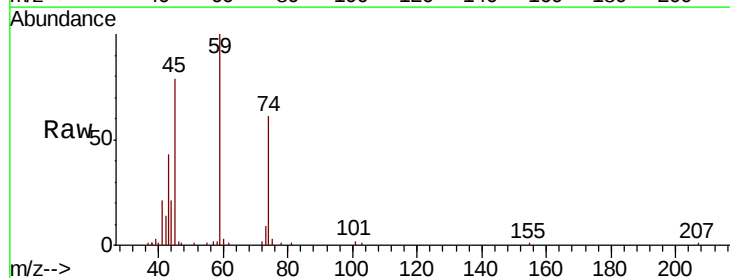
Acq: 24 Aug 2018 12:39

Tgt Ion: 74 Resp: 21923

Ion Ratio Lower Upper

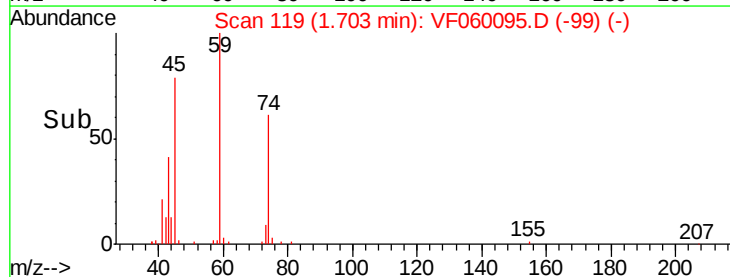
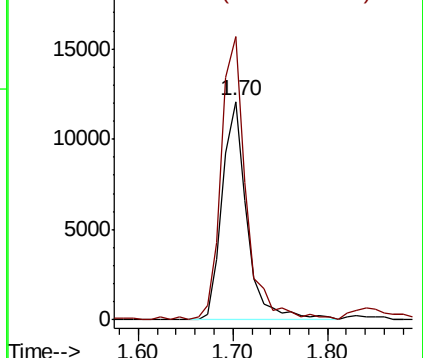
74 100

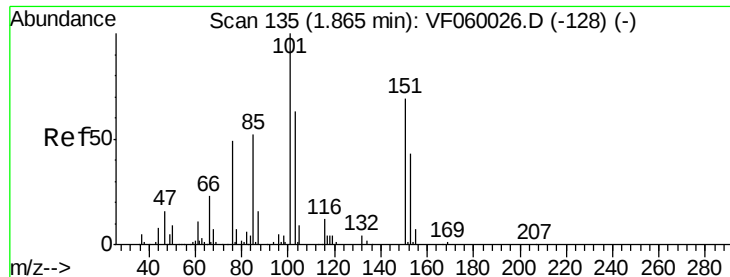
45 129.4 66.0 198.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.17 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

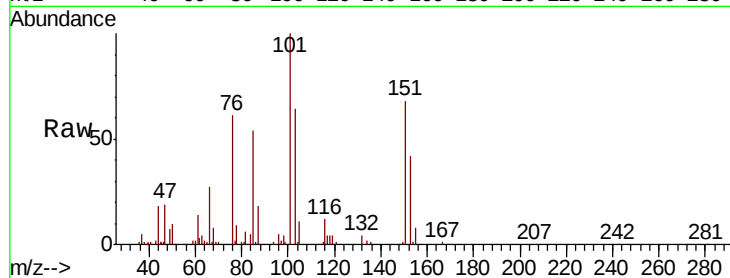
Tot Ion:101 Resp: 79065

Ion Ratio Lower Upper

101 100

85 53.9 41.5 62.3

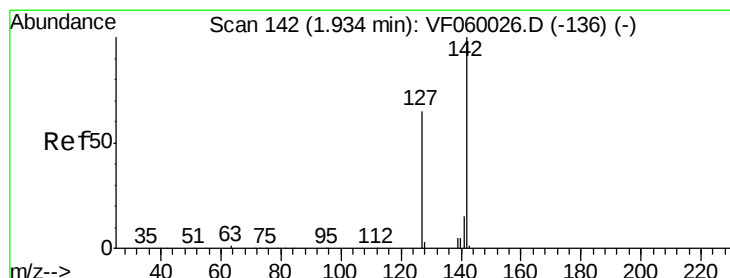
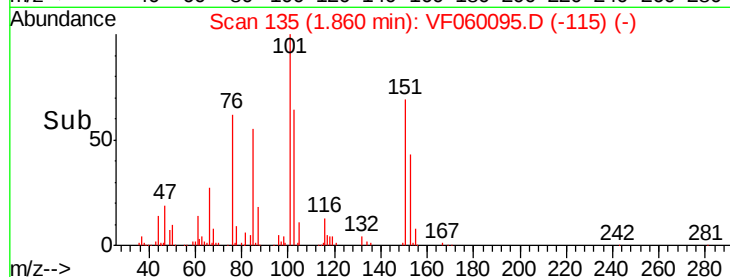
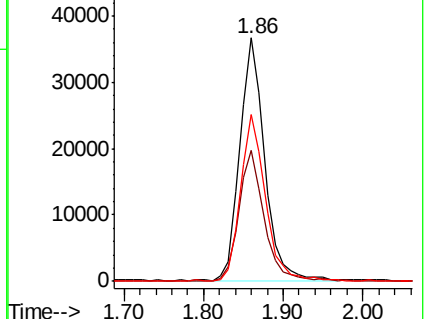
151 68.3 55.2 82.8



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: 40.40 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

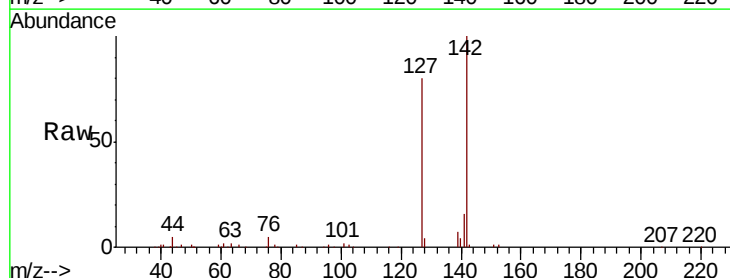
Tgt Ion:142 Resp: 73860

Ion Ratio Lower Upper

142 100

127 80.4 51.8 77.6#

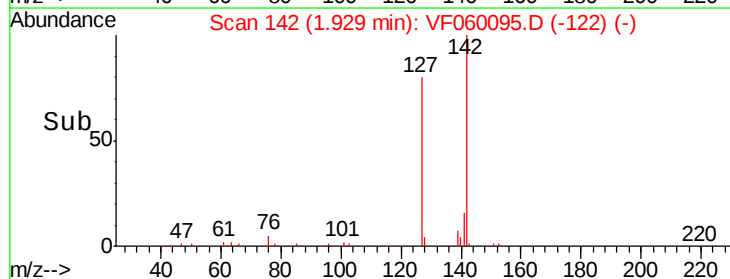
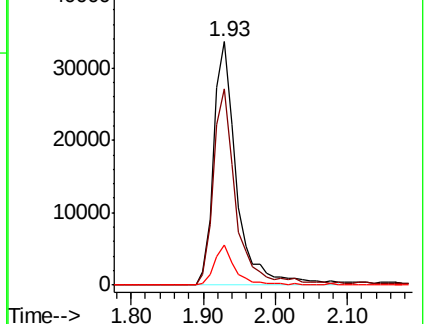
141 16.3 11.9 17.9

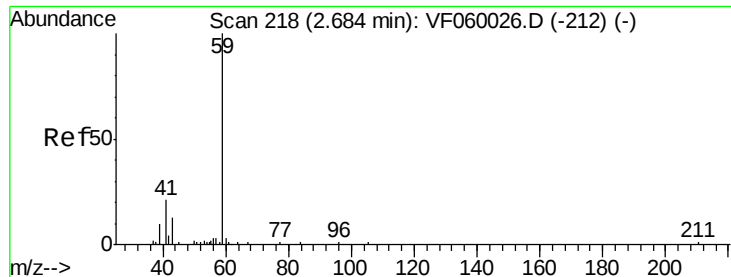


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

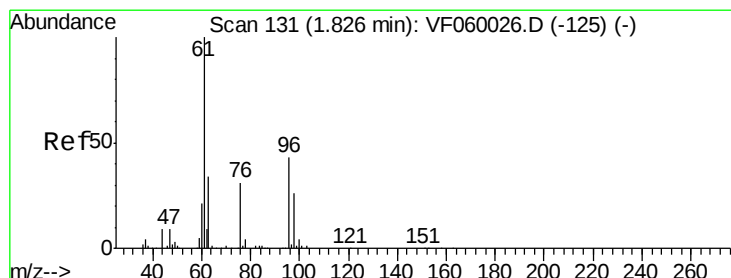
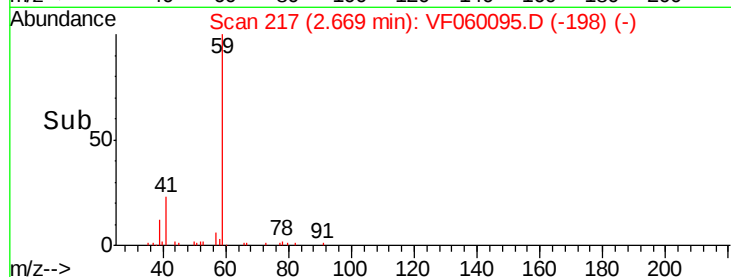
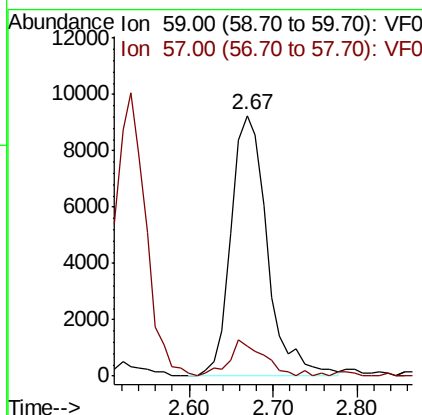
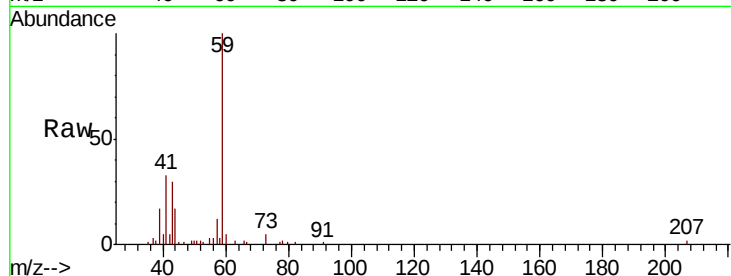




#11
Tert butyl alcohol
Concen: 238.30 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

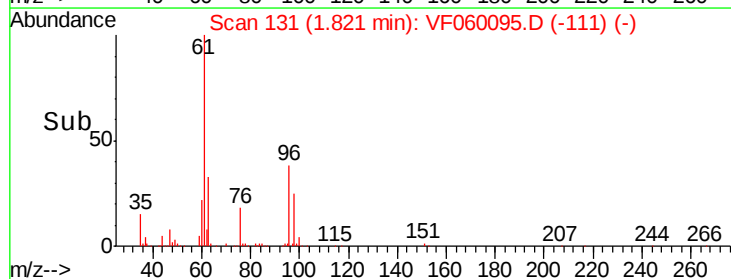
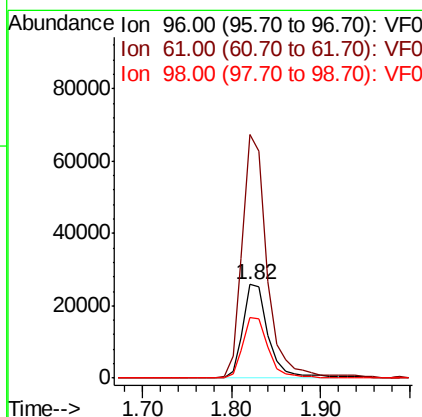
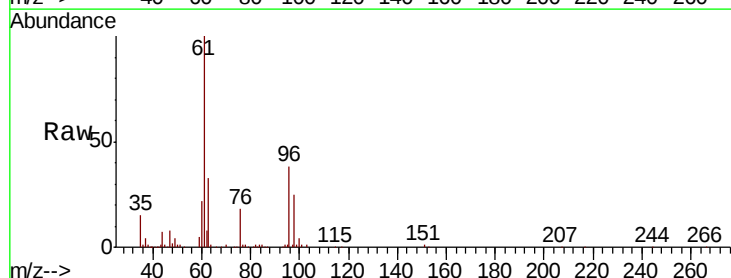
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

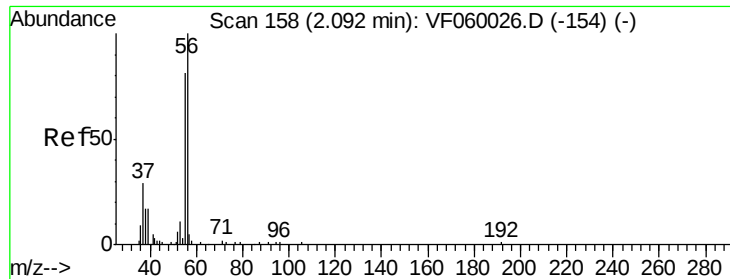
Tot Ion: 59 Resp: 27809
Ion Ratio Lower Upper
59 100
57 11.7 5.4 8.2#



#12
1,1-Dichloroethene
Concen: 50.35 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion: 96 Resp: 51298
Ion Ratio Lower Upper
96 100
61 260.7 185.0 277.6
98 65.4 47.8 71.8





#13

Acrolein

Concen: 211.53 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

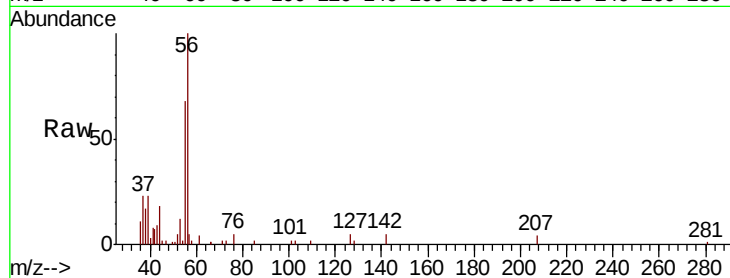
VSTDCCC050

Tot Ion: 56 Resp: 14758

Ion Ratio Lower Upper

56 100

55 67.9 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

8000

6000

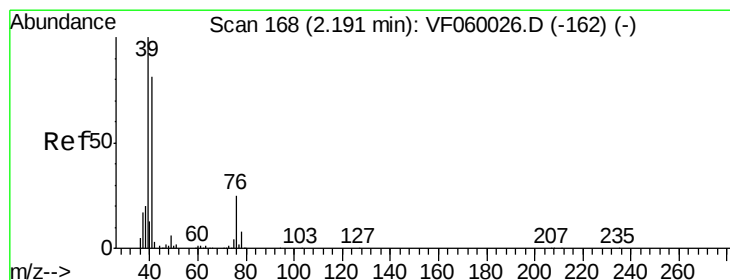
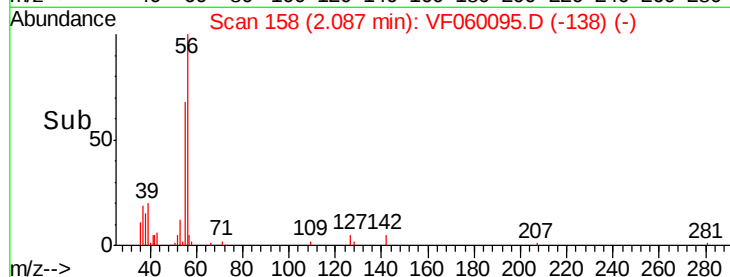
4000

2000

0

Time-->

2.00 2.05 2.10 2.15 2.20



#14

Allyl chloride

Concen: 50.32 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

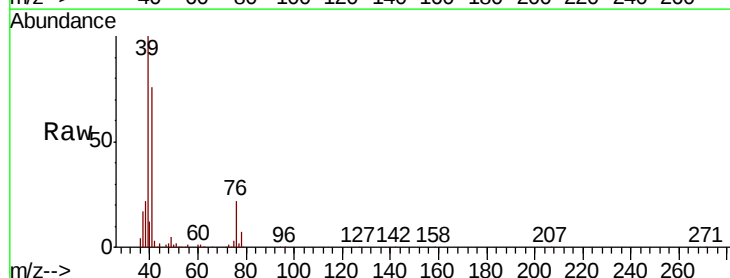
Tgt Ion: 41 Resp: 91054

Ion Ratio Lower Upper

41 100

39 131.4 99.3 148.9

76 28.8 24.3 36.5



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

80000

60000

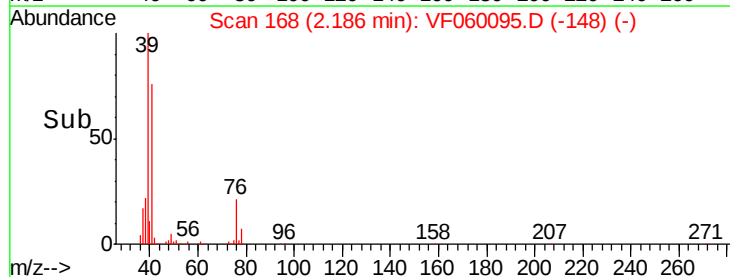
40000

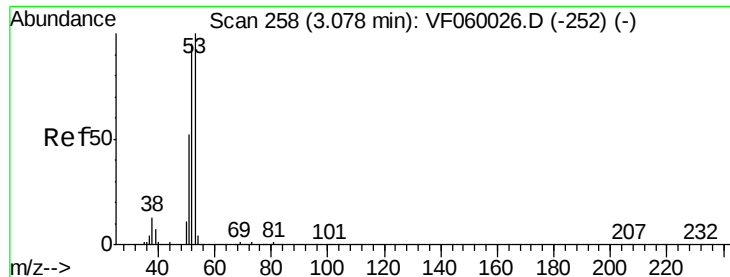
20000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#15

Acrylonitrile

Concen: 335.81 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

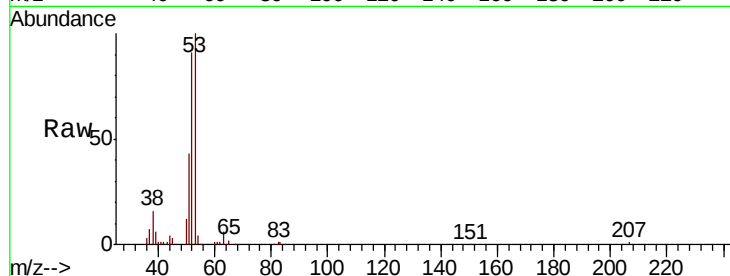
Tot Ion: 53 Resp: 77332

Ion Ratio Lower Upper

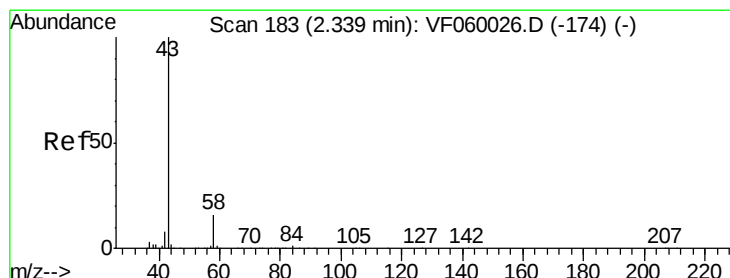
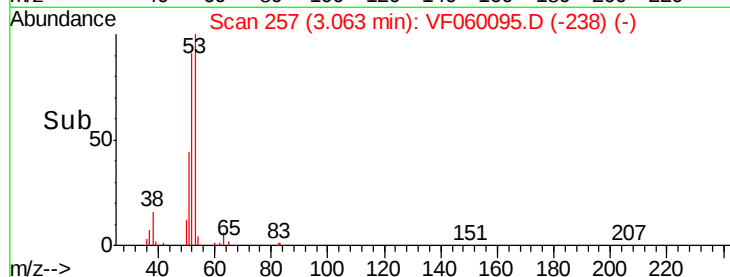
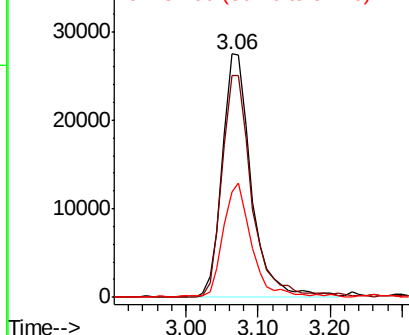
53 100

52 91.0 75.8 113.8

51 43.5 42.1 63.1



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 296.71 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060095.D

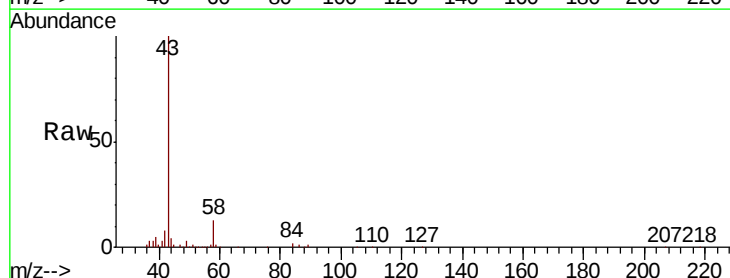
Acq: 24 Aug 2018 12:39

Tgt Ion: 43 Resp: 171058

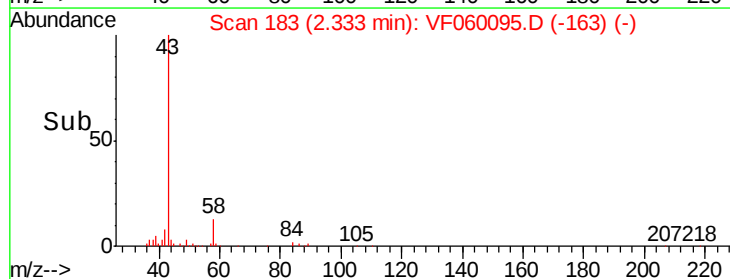
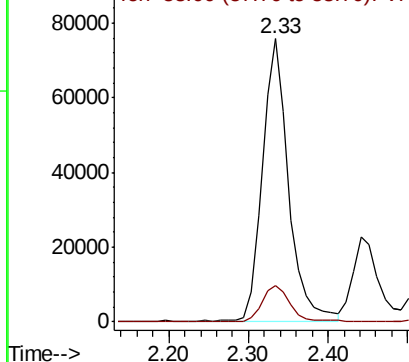
Ion Ratio Lower Upper

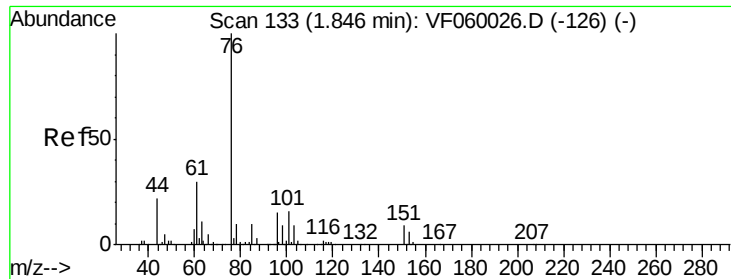
43 100

58 12.9 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

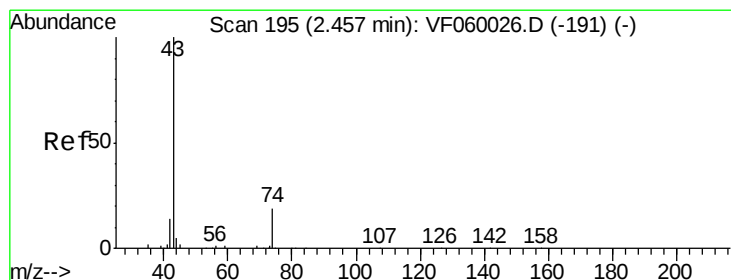
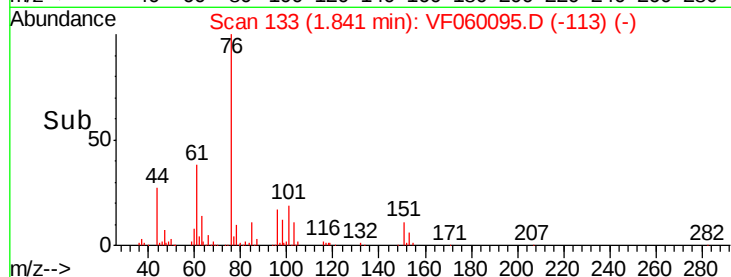
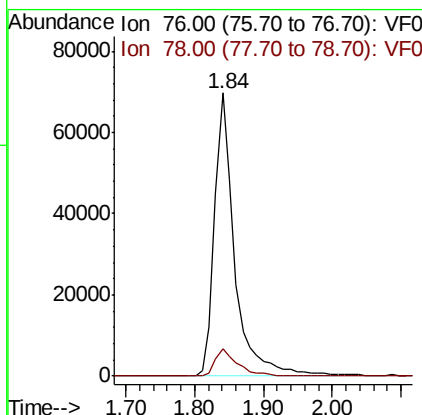
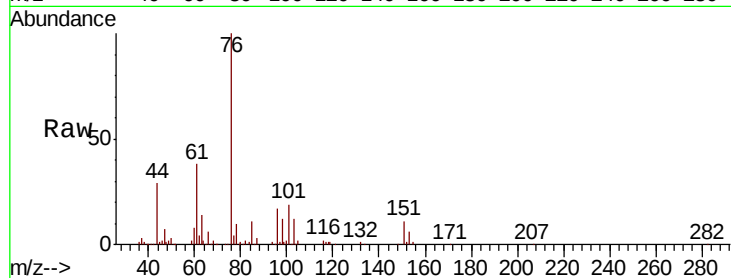




#17
Carbon Disulfide
Concen: 44.51 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

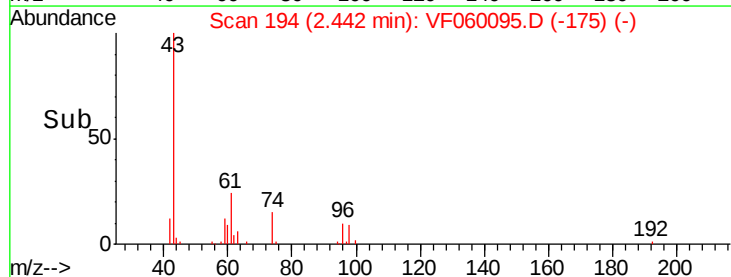
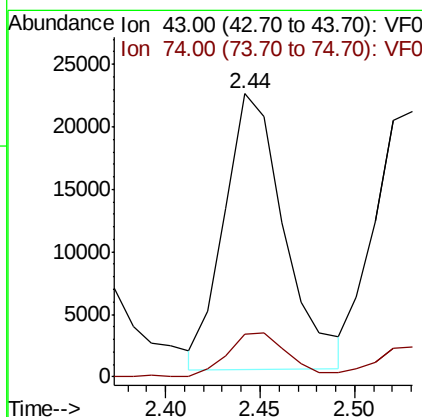
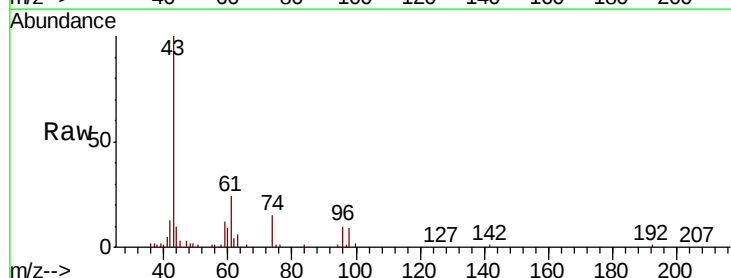
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 141990
Ion Ratio Lower Upper
76 100
78 9.7 8.4 12.6



#18
Methyl Acetate
Concen: 49.38 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion: 43 Resp: 48680
Ion Ratio Lower Upper
43 100
74 15.1 13.8 20.6





#19

Methyl tert-butyl Ether

Concen: 47.05 ug/l

RT: 2.53 min Scan# 203

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

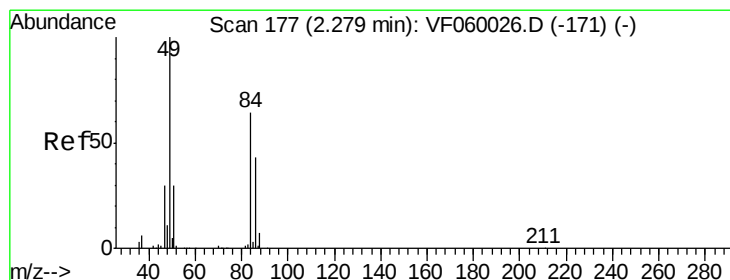
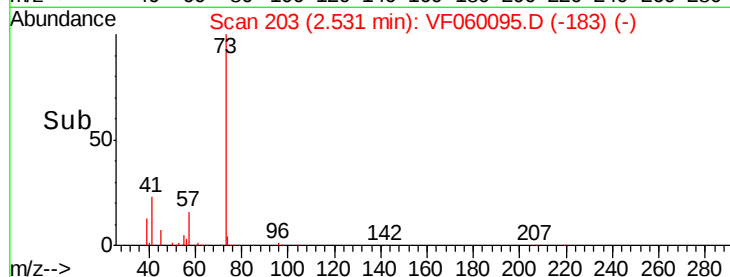
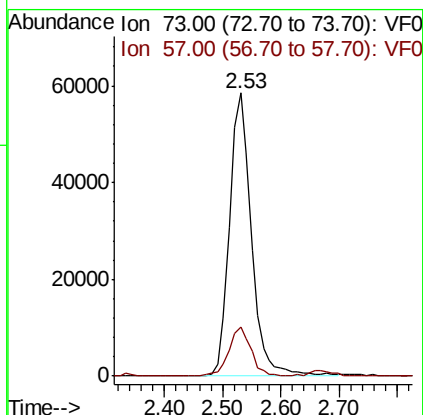
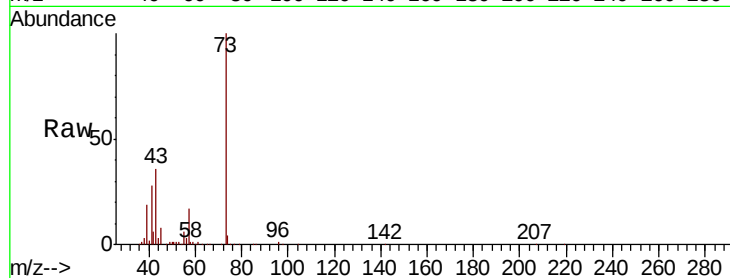
VSTDCCC050

Tot Ion: 73 Resp: 153578

Ion Ratio Lower Upper

73 100

57 17.2 13.7 20.5



#20

Methylene Chloride

Concen: 49.40 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion: 84 Resp: 56154

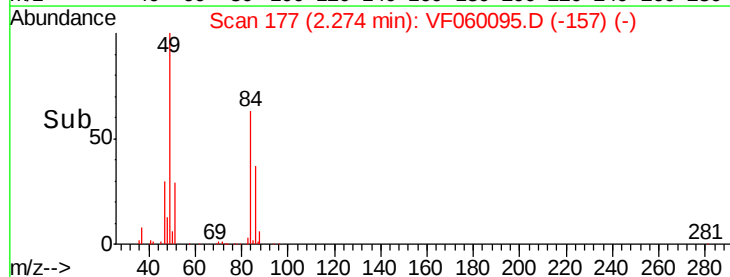
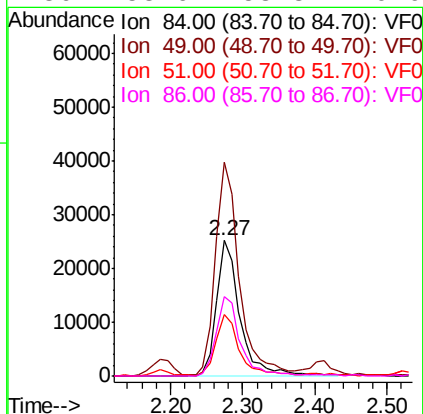
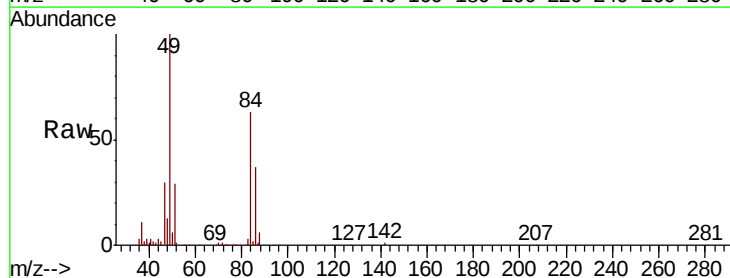
Ion Ratio Lower Upper

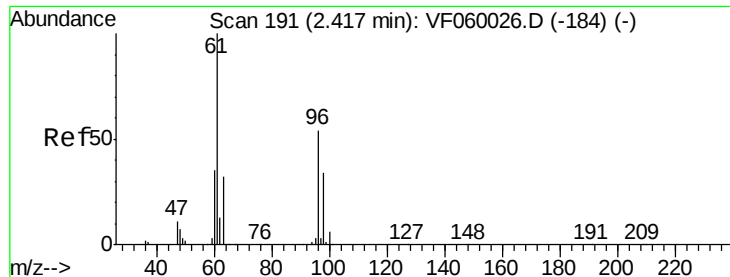
84 100

49 157.6 125.4 188.0

51 45.7 38.3 57.5

86 58.6 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 45.93 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

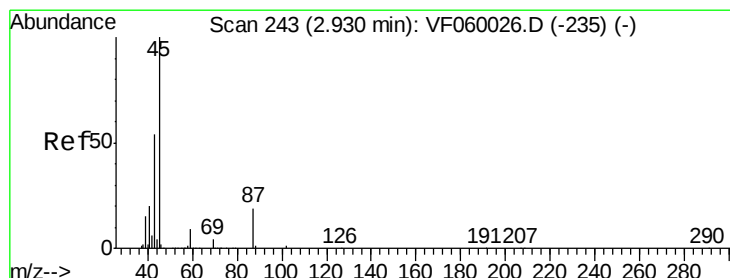
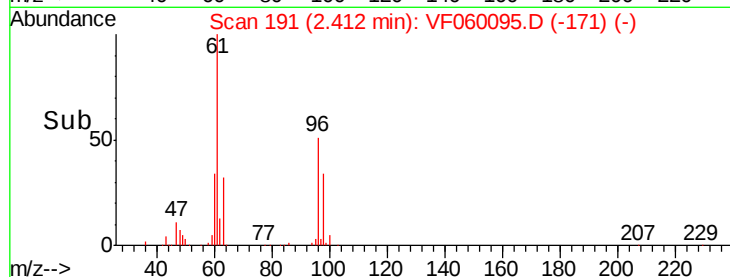
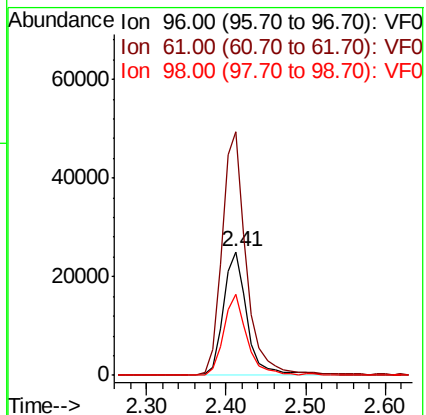
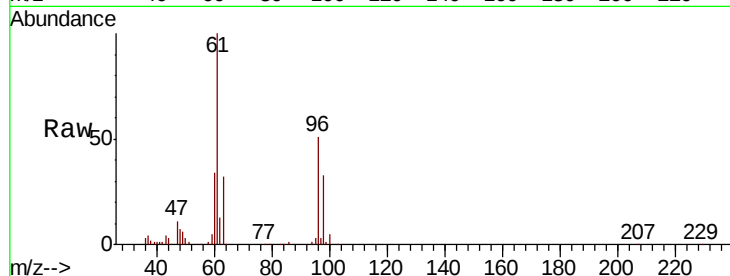
Tot Ion: 96 Resp: 52363

Ion Ratio Lower Upper

96 100

61 197.3 147.4 221.0

98 66.1 49.8 74.6



#22

Diisopropyl ether

Concen: 56.88 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion: 45 Resp: 230486

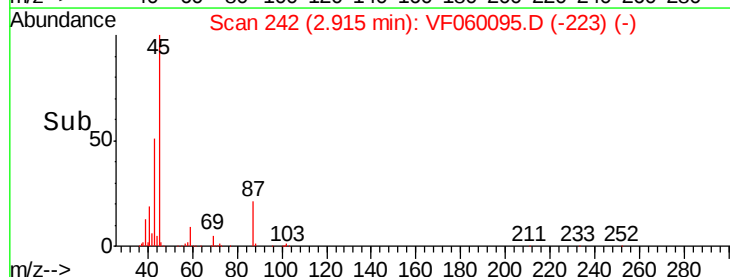
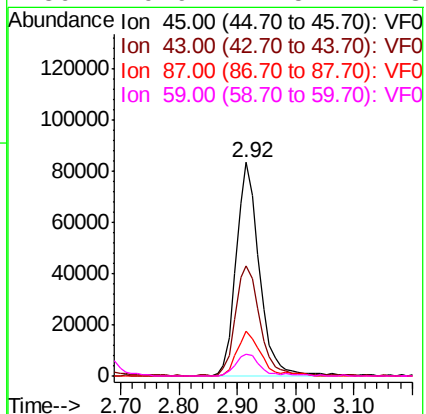
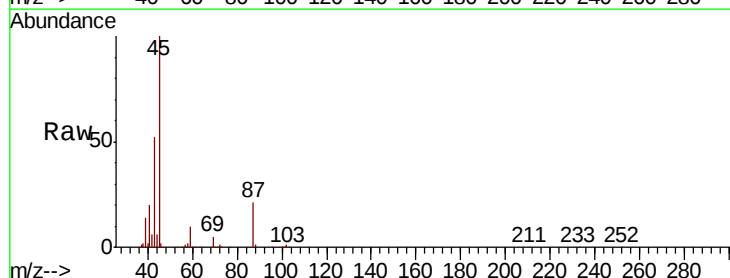
Ion Ratio Lower Upper

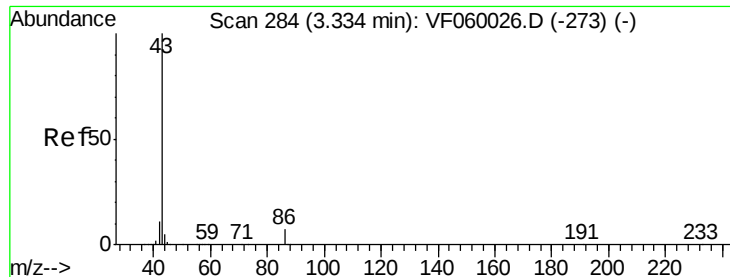
45 100

43 51.6 43.4 65.2

87 21.0 15.4 23.2

59 9.9 7.5 11.3





#23

Vinyl Acetate

Concen: 252.43 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

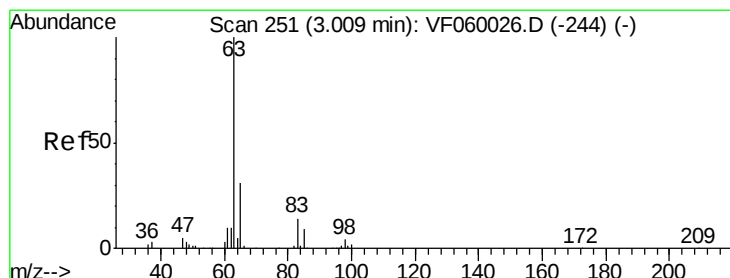
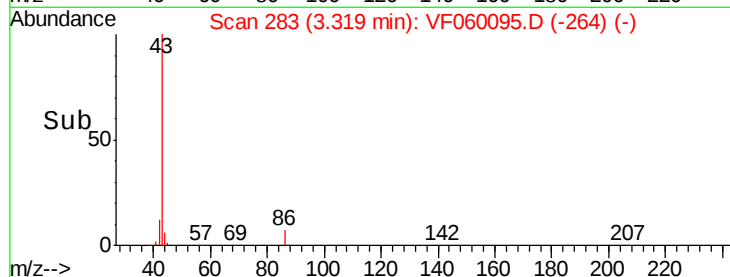
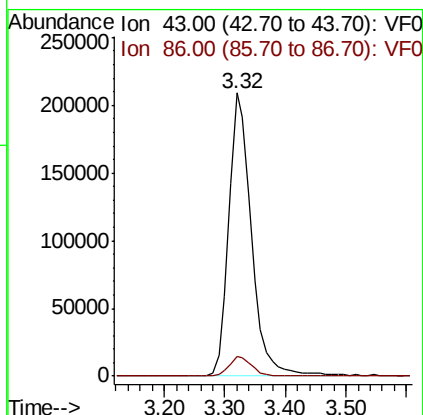
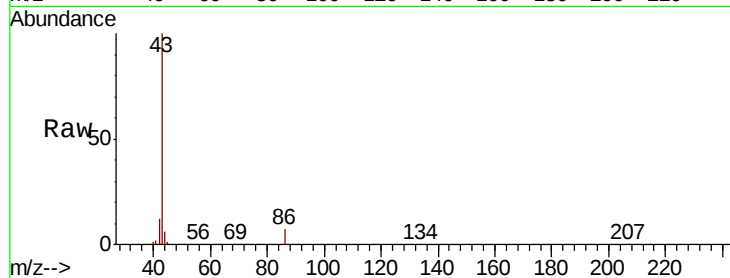
VSTDCCC050

Tot Ion: 43 Resp: 541832

Ion Ratio Lower Upper

43 100

86 7.1 5.6 8.4



#24

1,1-Dichloroethane

Concen: 70.56 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

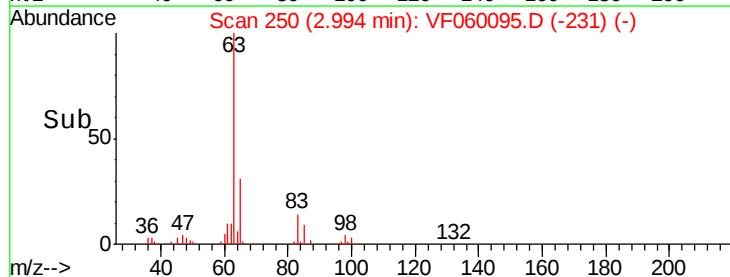
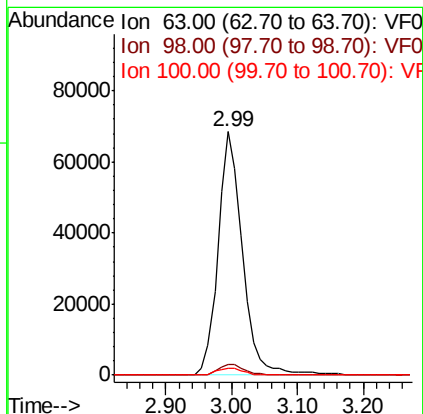
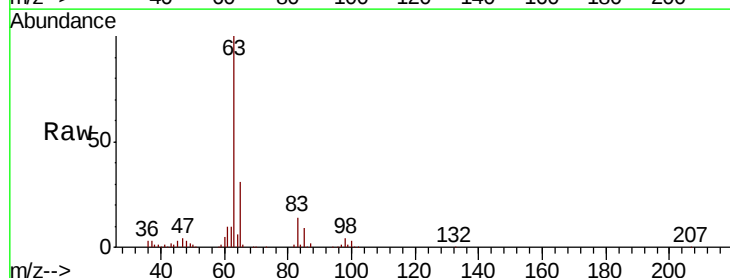
Tgt Ion: 63 Resp: 176610

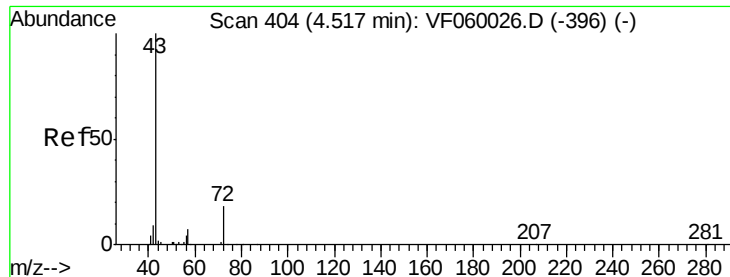
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

100 3.0 1.1 3.3





#25

2-Butanone

Concen: 272.98 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

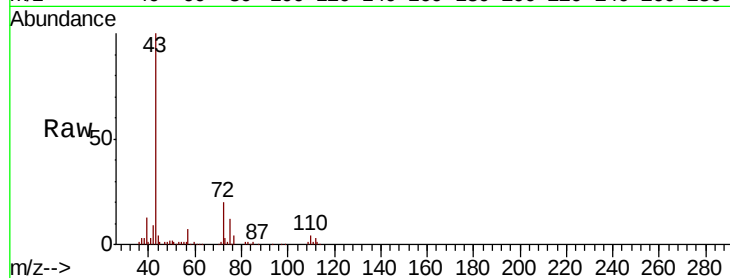
VSTDCCC050

Tot Ion: 43 Resp: 204418

Ion Ratio Lower Upper

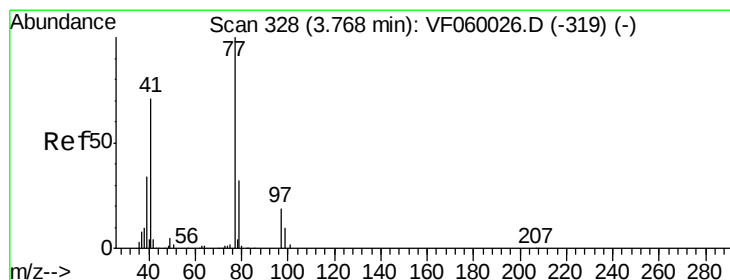
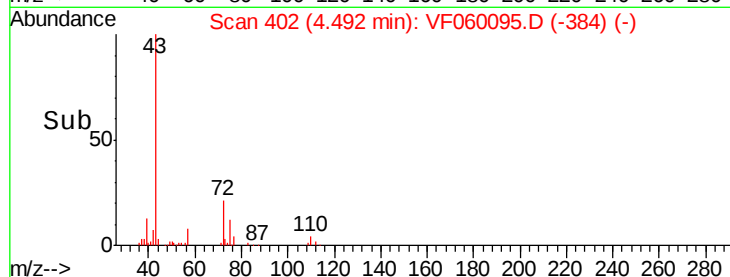
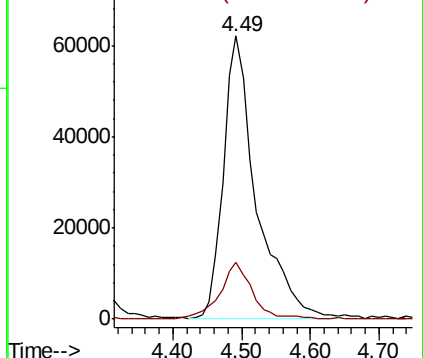
43 100

72 20.1 15.0 22.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 60.64 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060095.D

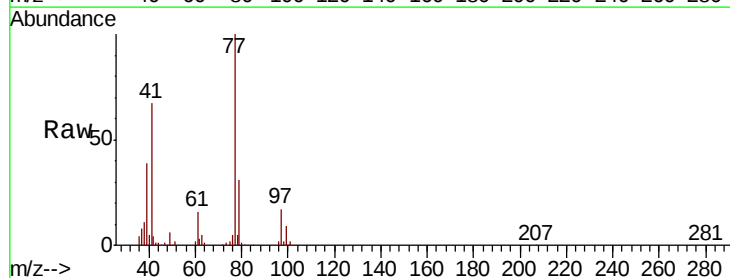
Acq: 24 Aug 2018 12:39

Tgt Ion: 77 Resp: 157034

Ion Ratio Lower Upper

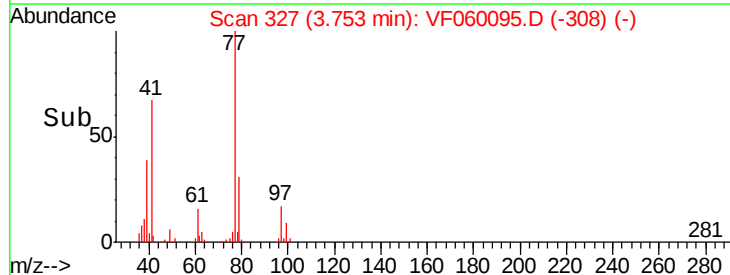
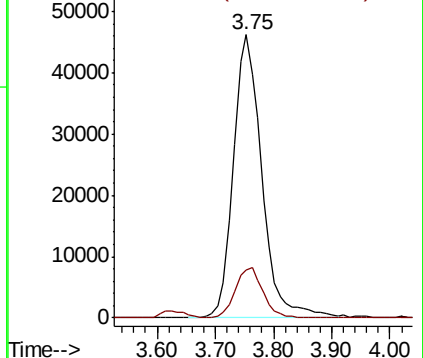
77 100

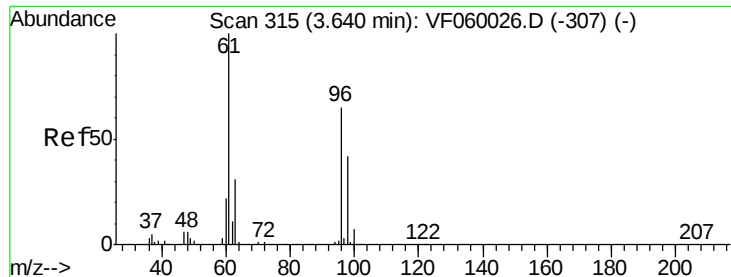
97 16.9 9.7 29.1



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



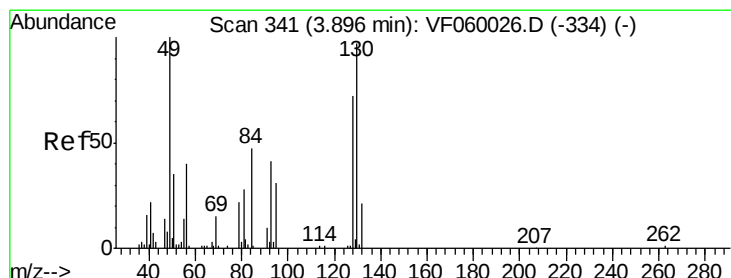
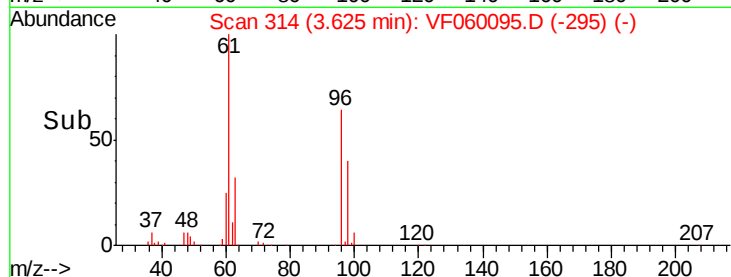
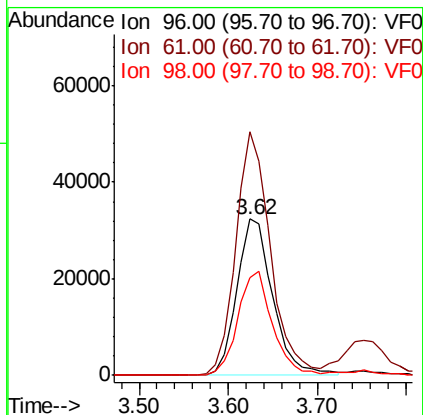
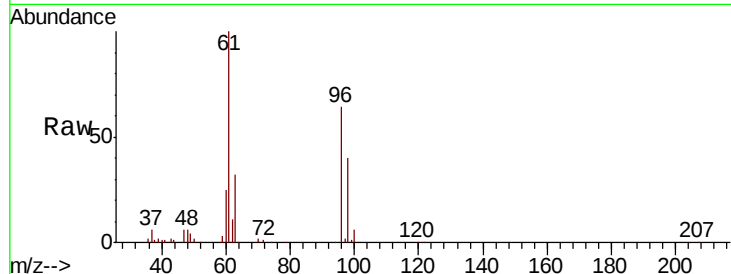


#27

cis-1,2-Dichloroethene
 Concen: 56.15 ug/l
 RT: 3.62 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

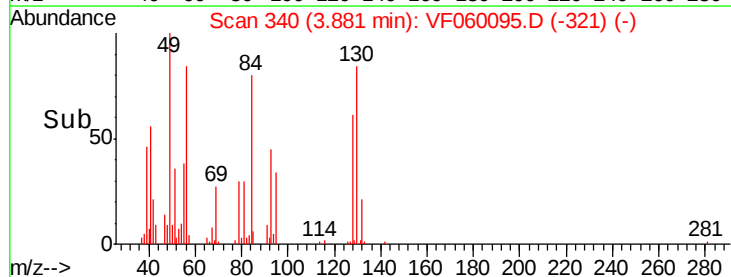
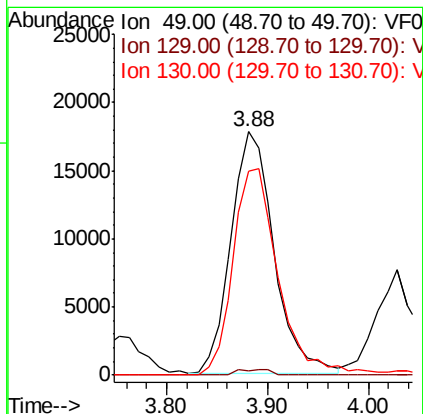
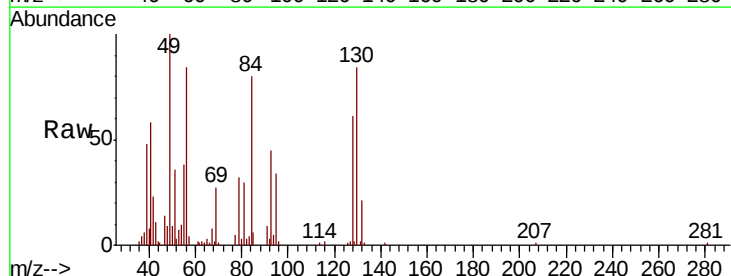
Tot Ion	96	Resp	90704
Ion	Ratio	Lower	Upper
96	100		
61	155.9	0.0	307.6
98	62.5	0.0	128.4

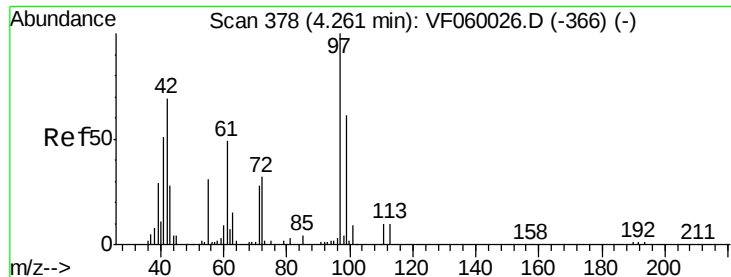


#28

Bromochloromethane
 Concen: 49.69 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	49	Resp	52507
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	7.4
130	83.8	78.0	117.0





#29

Tetrahydrofuran

Concen: 247.19 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.02 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

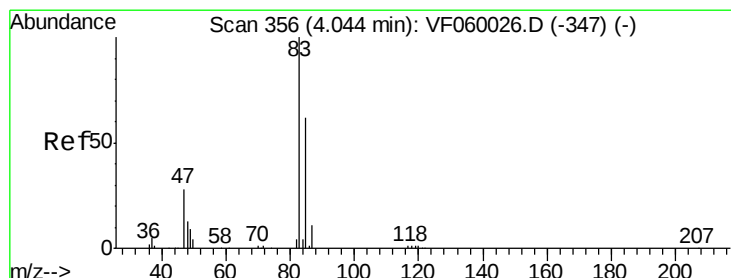
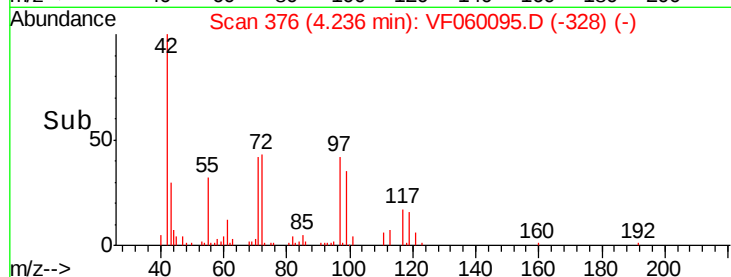
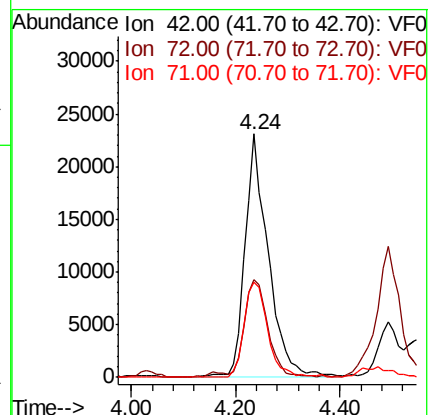
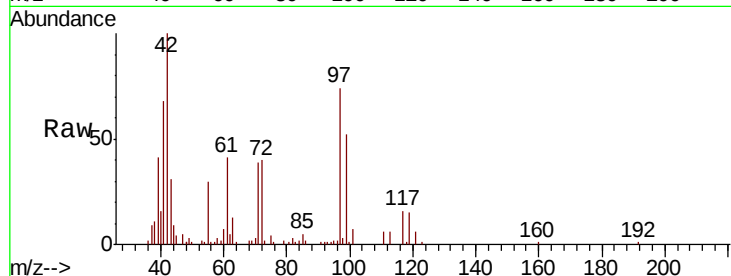
Tot Ion: 42 Resp: 69887

Ion Ratio Lower Upper

42 100

72 40.2 31.4 47.2

71 39.6 29.7 44.5



#30

Chloroform

Concen: 57.52 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF060095.D

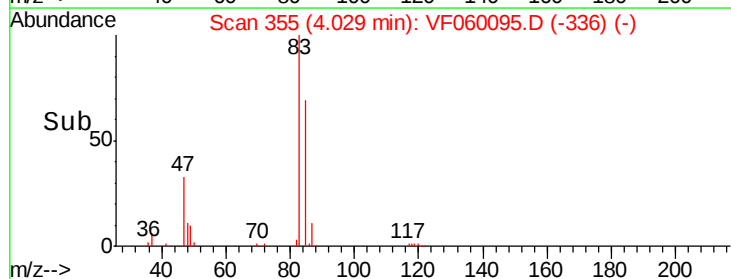
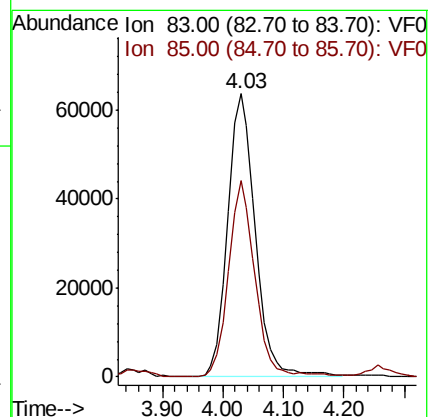
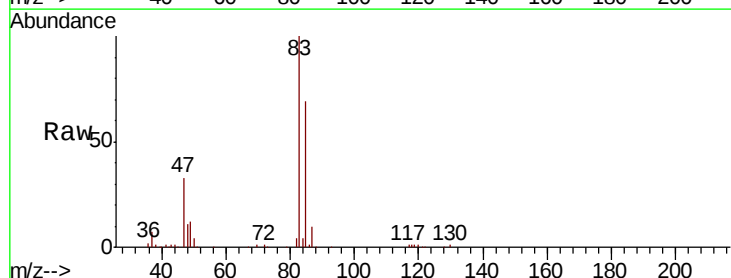
Acq: 24 Aug 2018 12:39

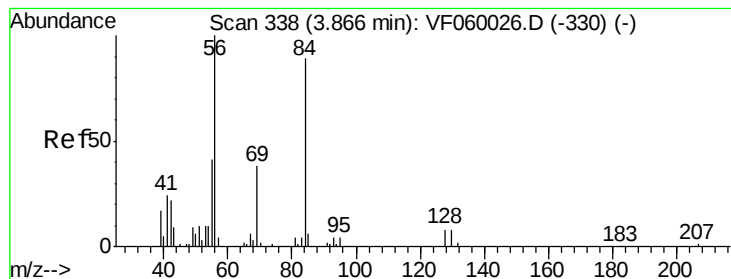
Tgt Ion: 83 Resp: 202086

Ion Ratio Lower Upper

83 100

85 69.2 49.5 74.3





#31

Cyclohexane

Concen: 52.39 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

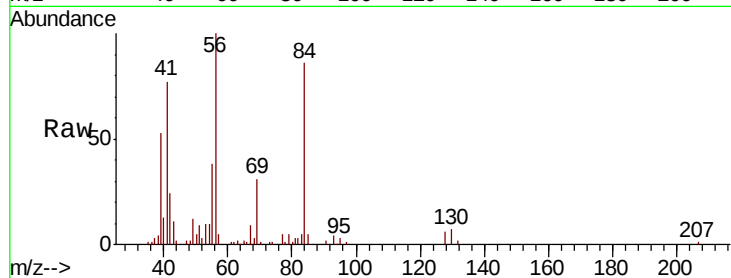
Tot Ion: 56 Resp: 99928

Ion Ratio Lower Upper

56 100

69 30.8 30.4 45.6

84 86.3 71.4 107.2

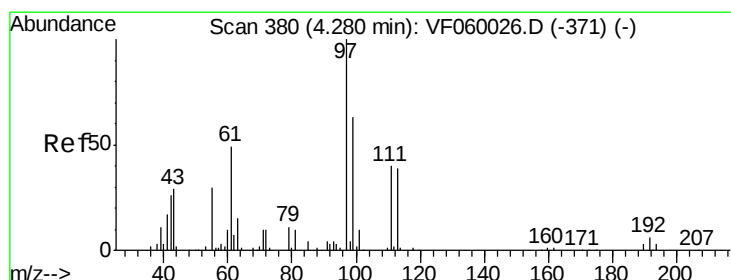
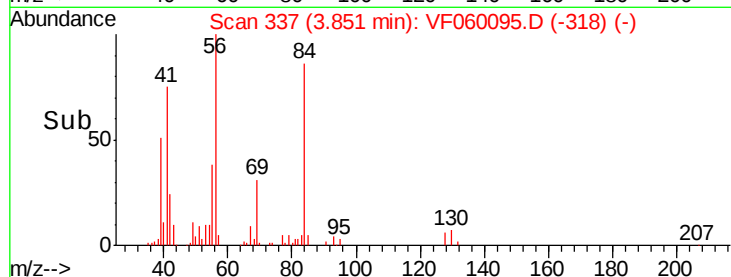
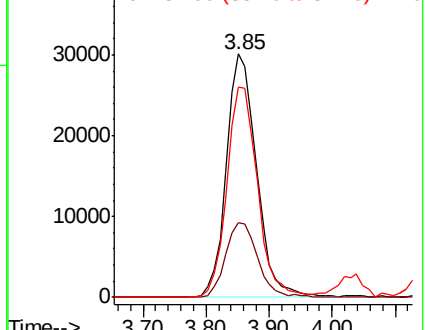


Abundance

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: 61.53 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

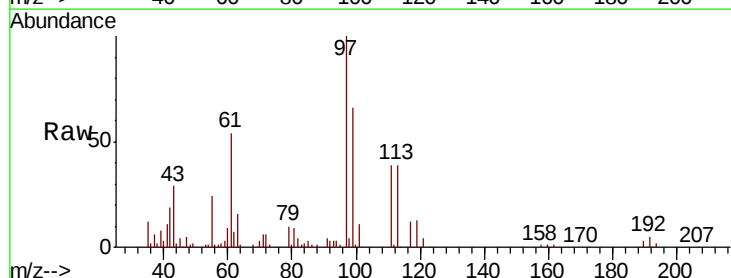
Tgt Ion: 97 Resp: 185141

Ion Ratio Lower Upper

97 100

99 66.0 50.3 75.5

61 54.4 40.3 60.5

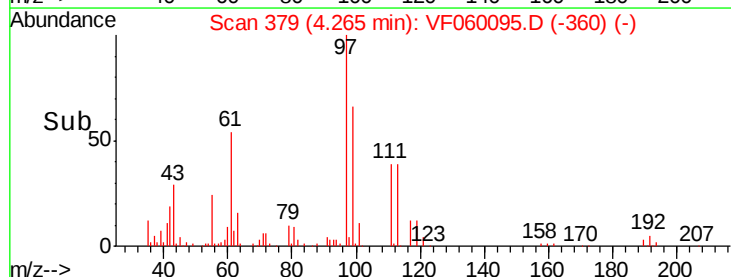
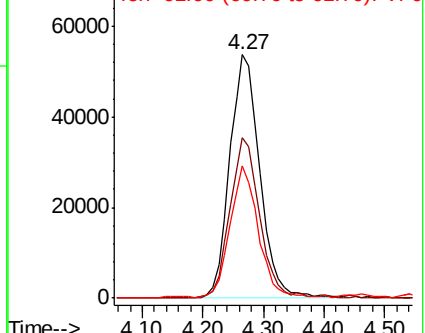


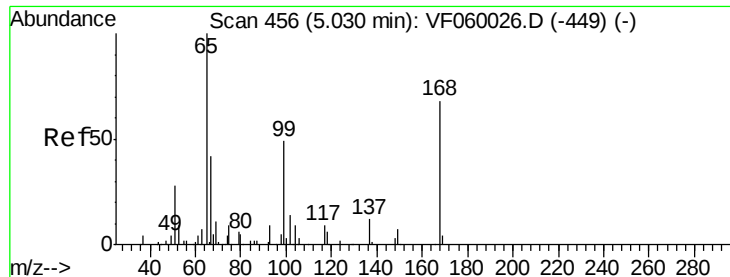
Abundance

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

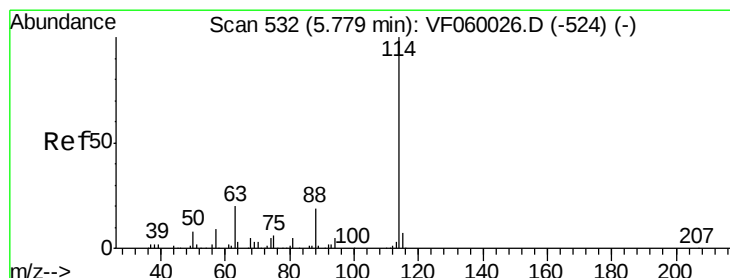
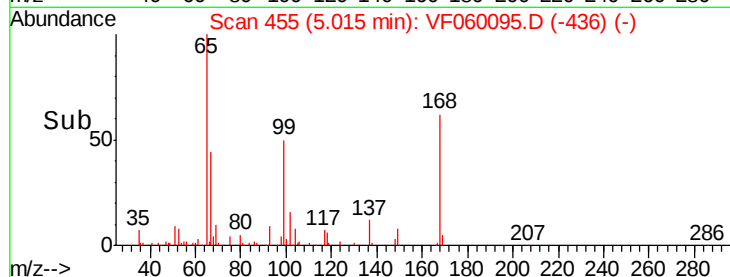
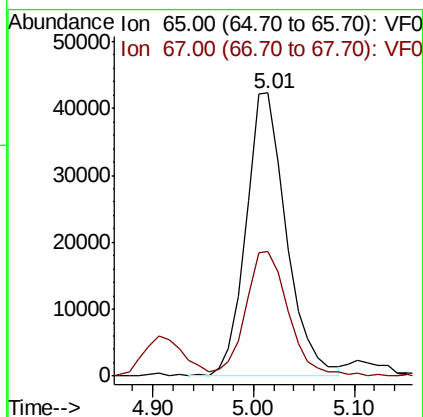
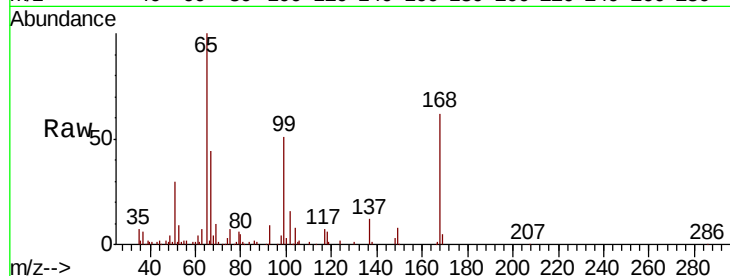




#33
 1,2-Dichloroethane-d4
 Concen: 53.40 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

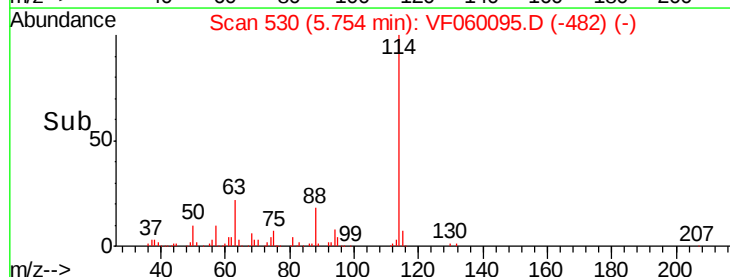
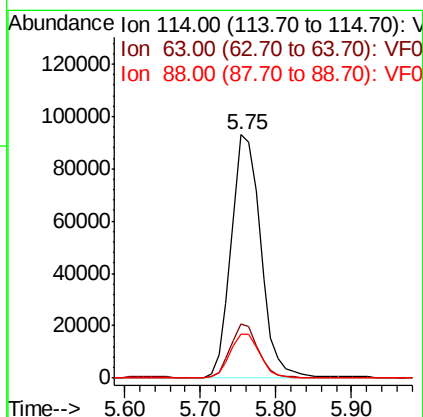
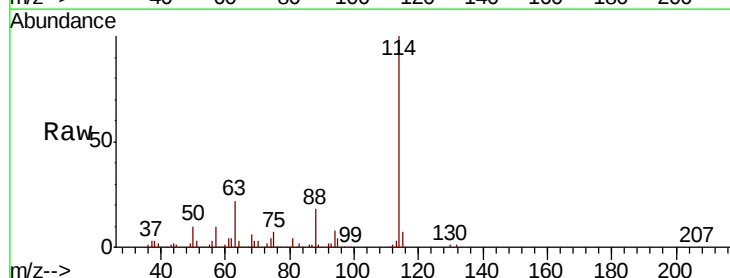
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

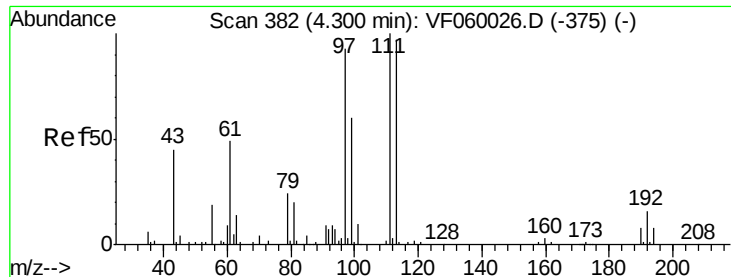
Tot Ion: 65 Resp: 117146
 Ion Ratio Lower Upper
 65 100
 67 44.1 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion: 114 Resp: 252595
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 40.4
 88 18.1 0.0 38.6

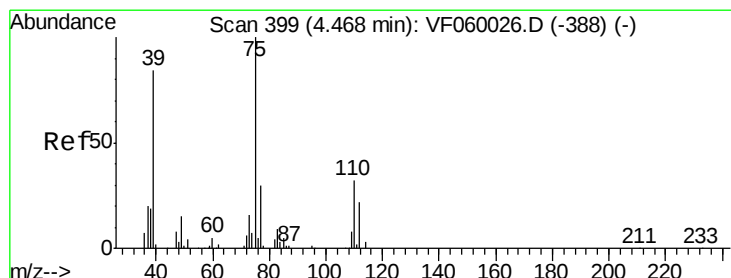
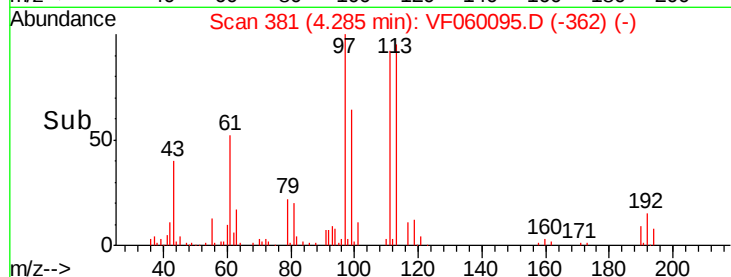
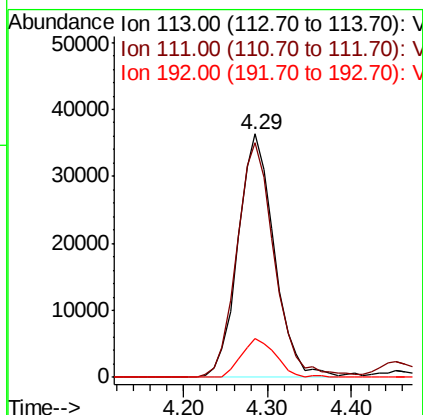
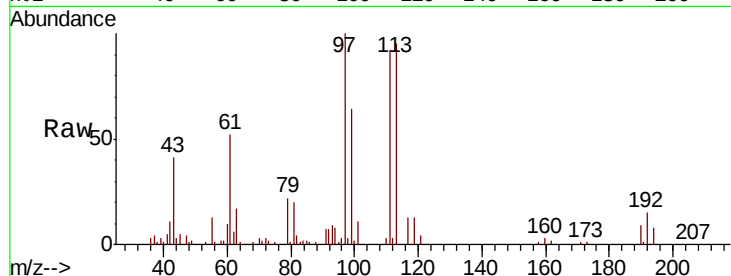




#35
 Dibromofluoromethane
 Concen: 55.06 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

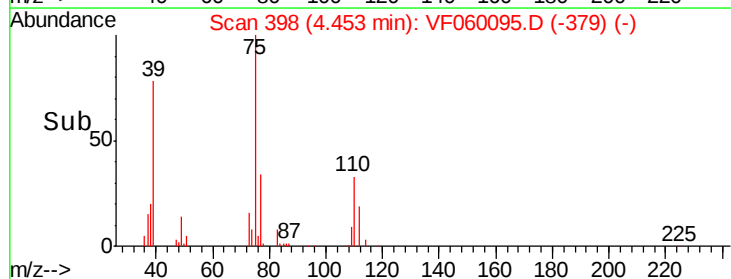
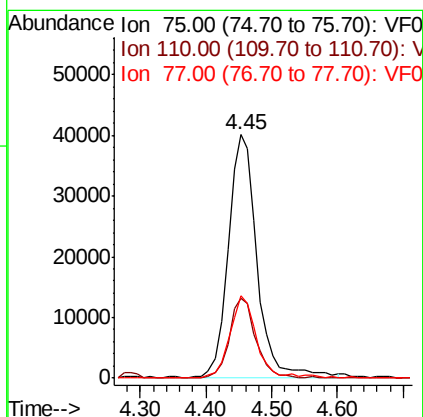
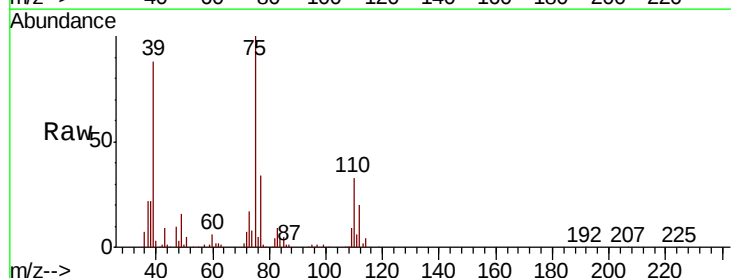
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

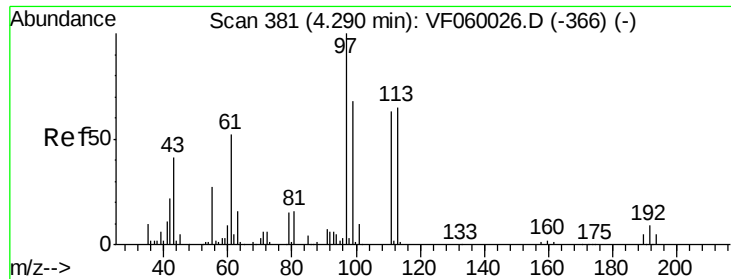
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.6	82.7	124.1
192	15.9	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 51.23 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.0	47.9
77	33.8	24.1	36.1

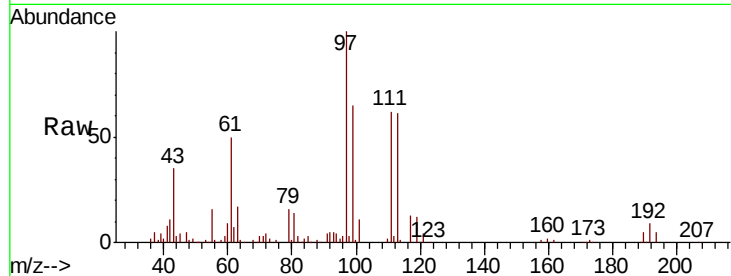




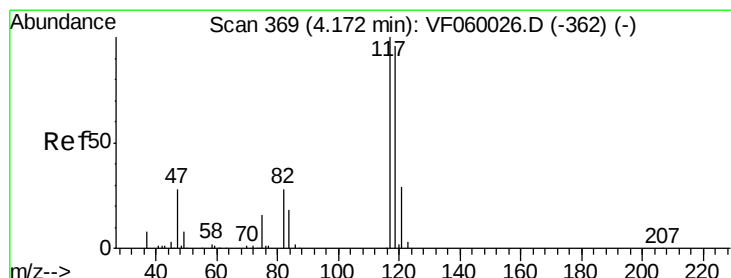
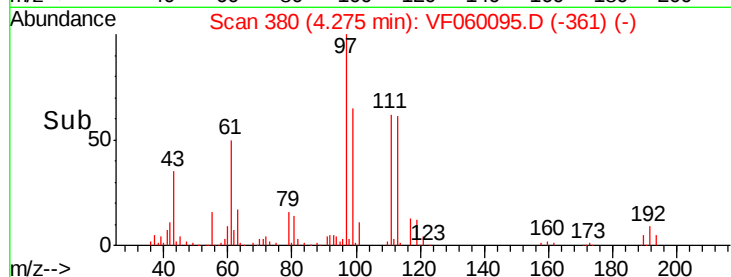
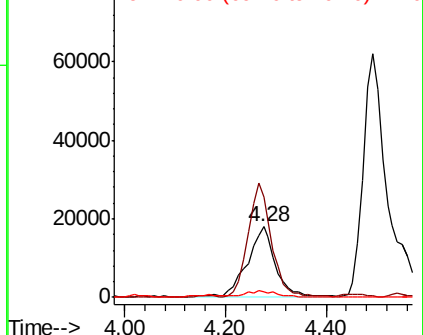
#37
Ethyl Acetate
Concen: 50.21 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 71284
Ion Ratio Lower Upper
43 100
61 142.5 101.5 152.3
70 8.2 6.4 9.6

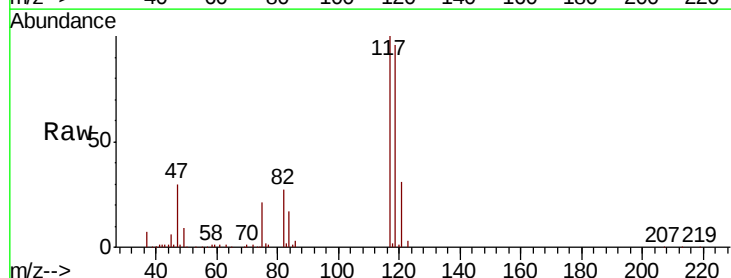


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

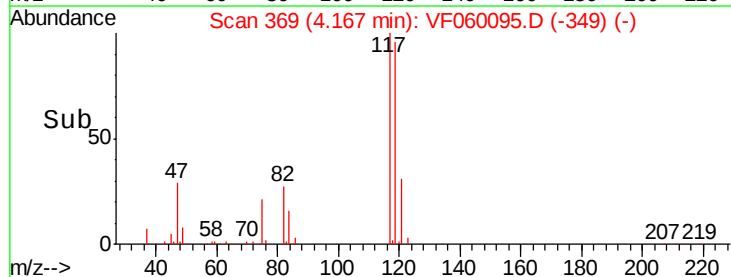
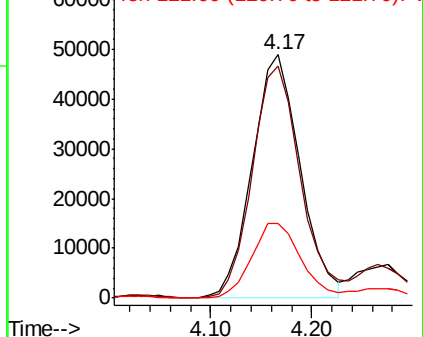


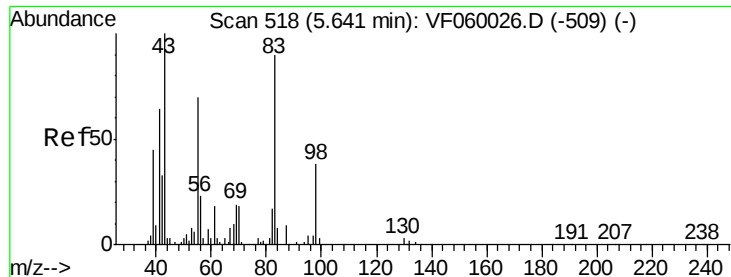
#38
Carbon Tetrachloride
Concen: 58.88 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion: 117 Resp: 161842
Ion Ratio Lower Upper
117 100
119 95.6 76.5 114.7
121 30.5 23.0 34.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

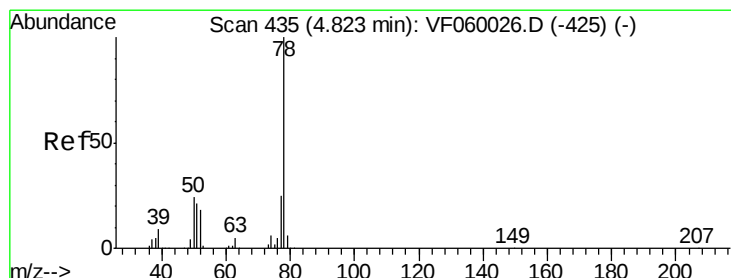
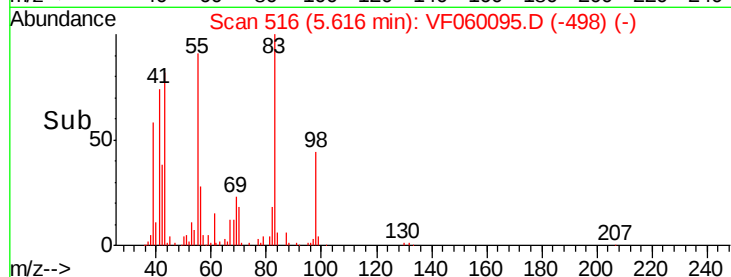
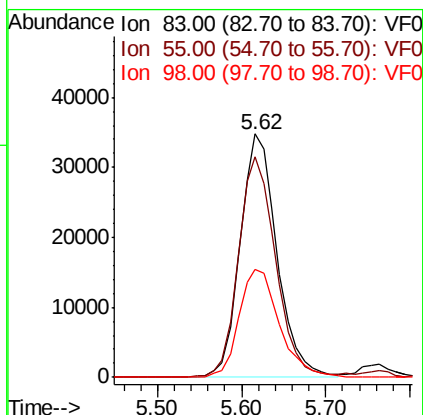
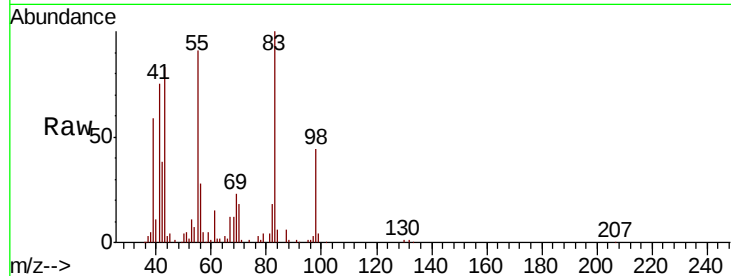




#39
Methvlcvclohexane
Concen: 47.78 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

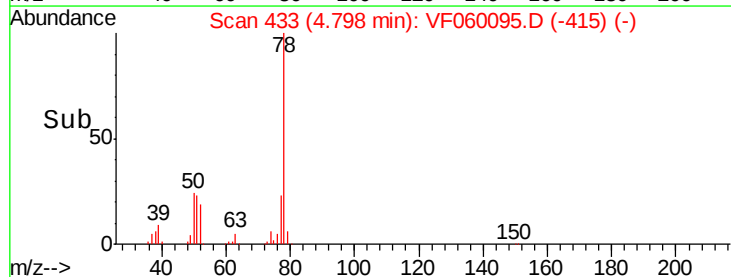
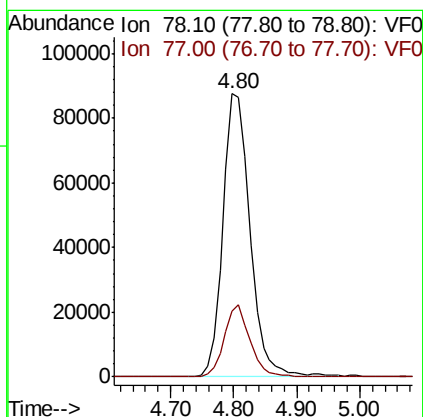
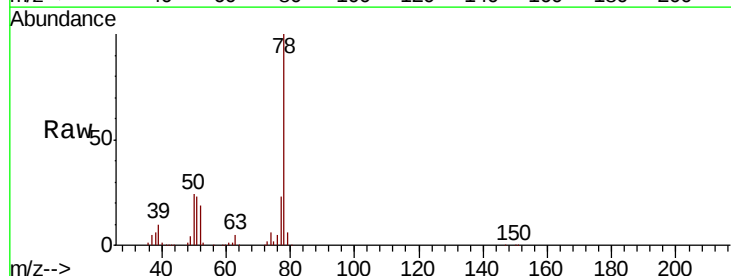
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

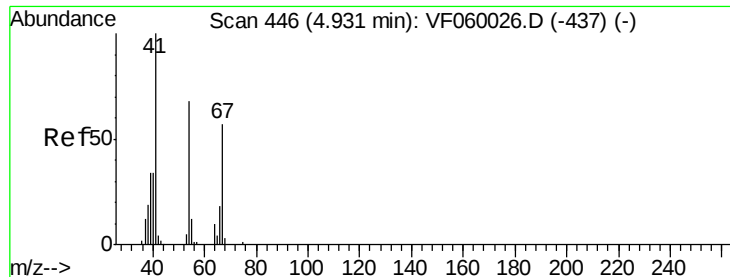
Tot Ion: 83 Resp: 106353
Ion Ratio Lower Upper
83 100
55 90.7 62.7 94.1
98 44.3 33.8 50.8



#40
Benzene
Concen: 50.61 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.02 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion: 78 Resp: 262450
Ion Ratio Lower Upper
78 100
77 23.3 19.8 29.6

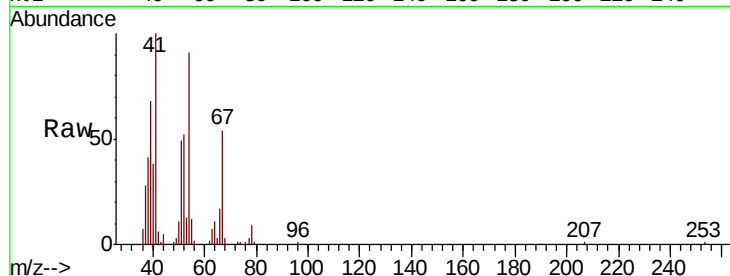




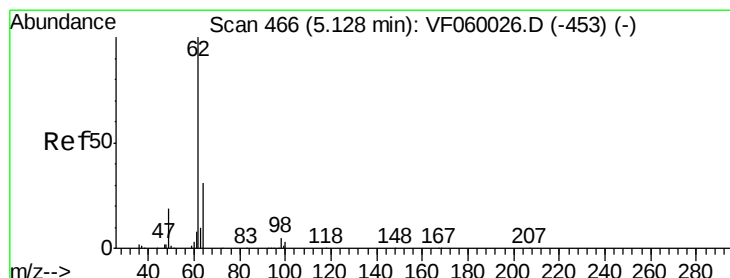
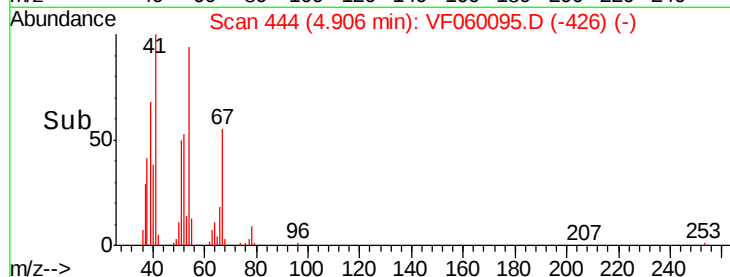
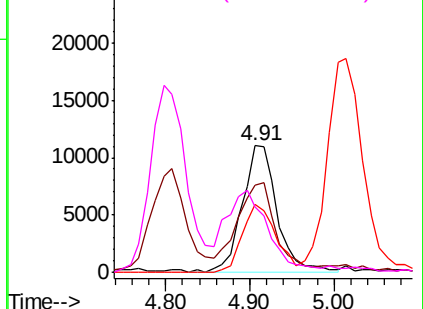
#41
Methacrylonitrile
Concen: 44.63 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.02 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	32047
Ion	Ratio	Lower	Upper
41	100		
39	68.5	52.9	79.3
67	53.7	45.3	67.9
52	51.5	34.8	52.2

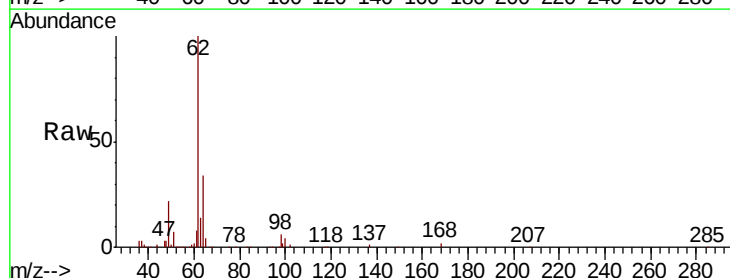


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

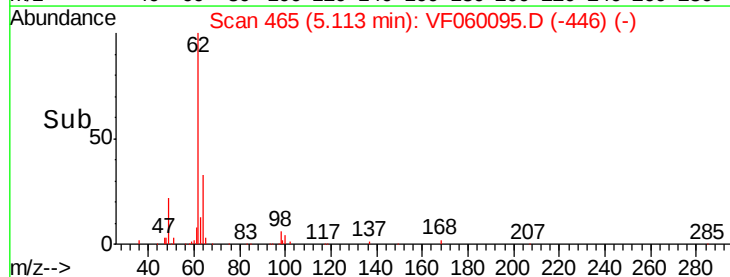
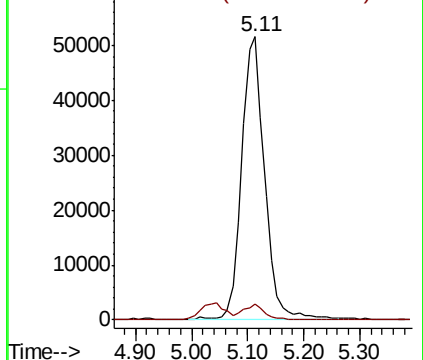


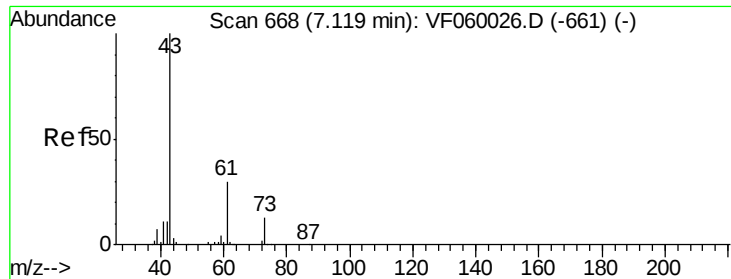
#42
1,2-Dichloroethane
Concen: 52.80 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion:	62	Resp:	146820
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



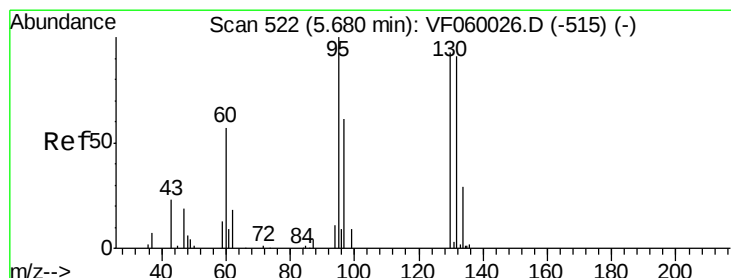
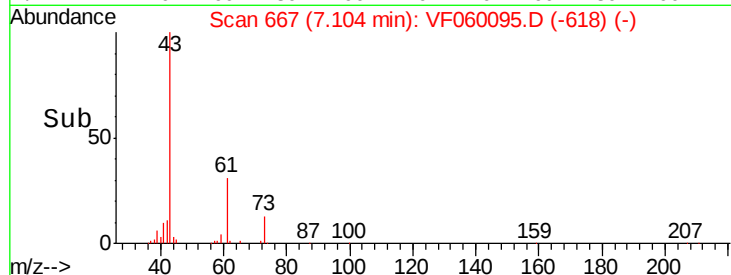
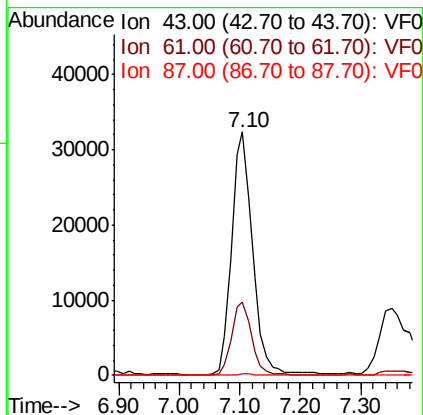
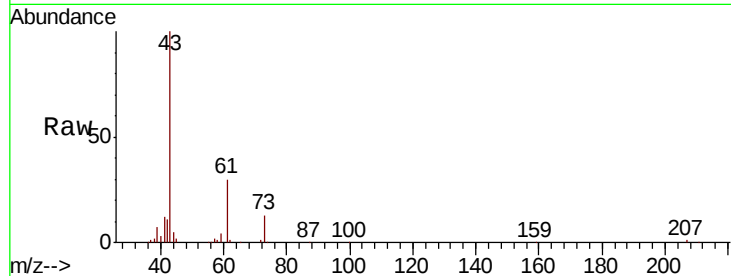


#43

Isopropyl Acetate
 Concen: 44.10 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

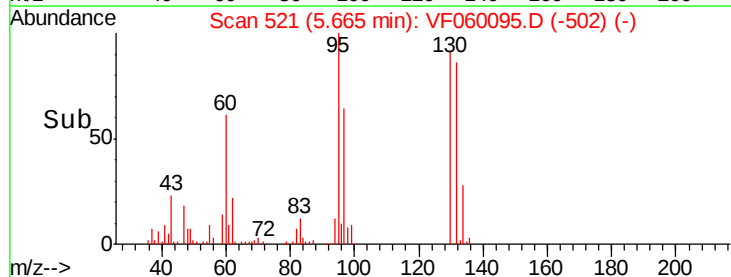
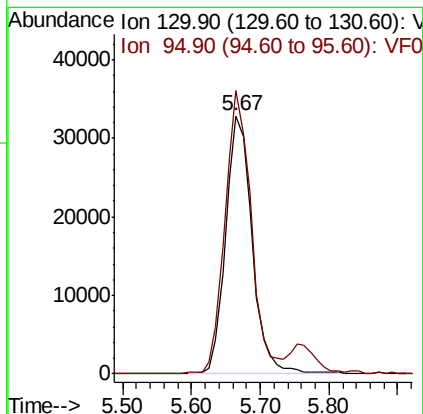
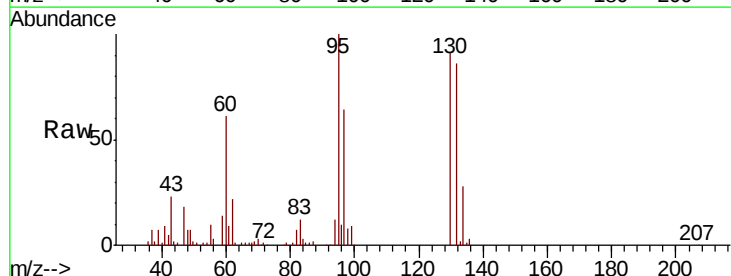
Tot Ion: 43 Resp: 78805
 Ion Ratio Lower Upper
 43 100
 61 30.3 23.8 35.6
 87 0.5 0.2 0.4#



#44

Trichloroethene
 Concen: 51.04 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion:130 Resp: 87500
 Ion Ratio Lower Upper
 130 100
 95 109.7 0.0 215.8





#45

1,2-Dichloropropane

Concen: 53.35 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

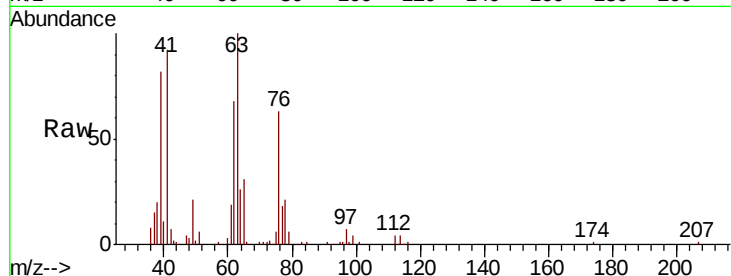
VSTDCCC050

Tot Ion: 63 Resp: 78249

Ion Ratio Lower Upper

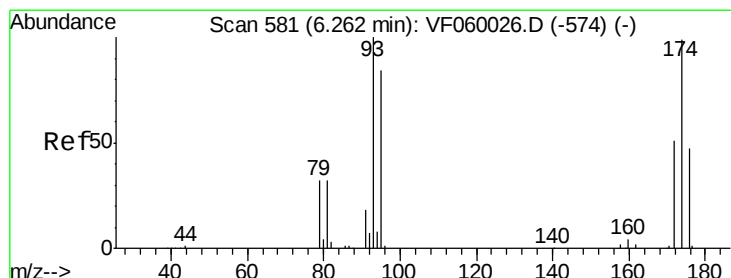
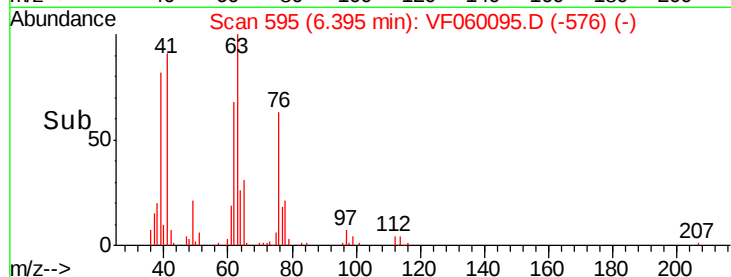
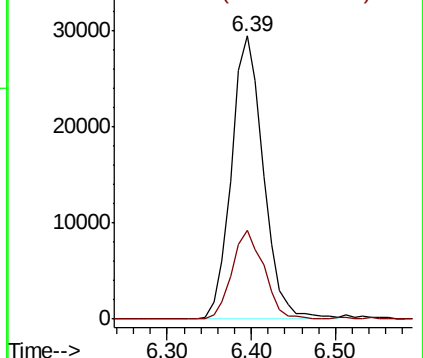
63 100

65 31.2 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 54.82 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

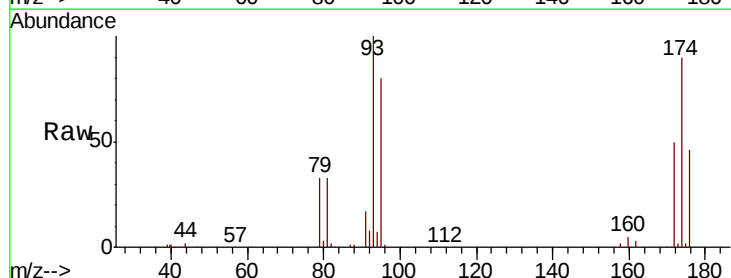
Tgt Ion: 93 Resp: 62913

Ion Ratio Lower Upper

93 100

95 79.6 67.1 100.7

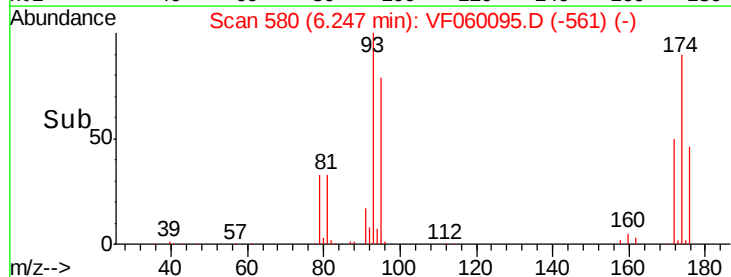
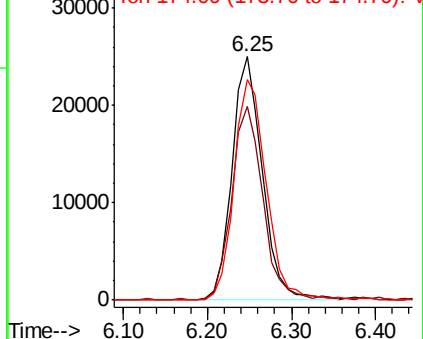
174 90.3 79.0 118.4

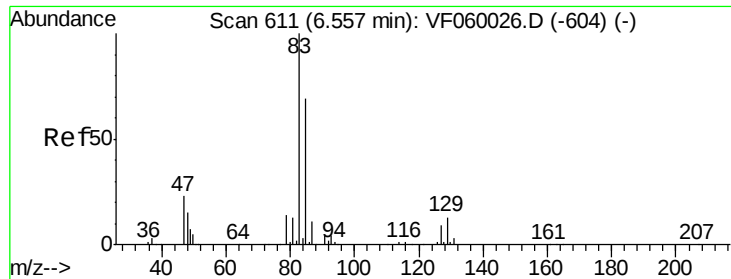


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 57.12 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

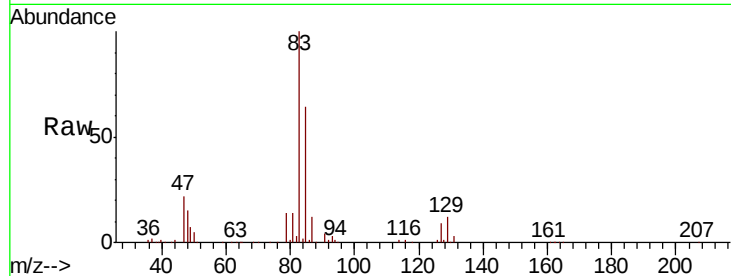
Tot Ion: 83 Resp: 158343

Ion Ratio Lower Upper

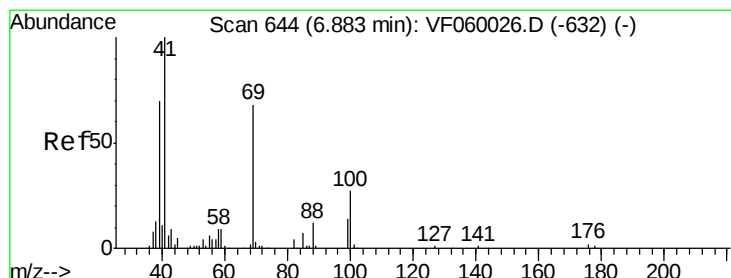
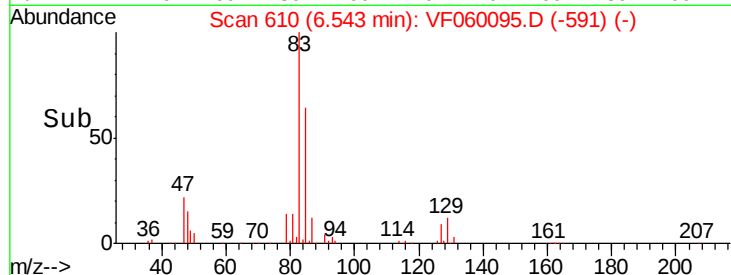
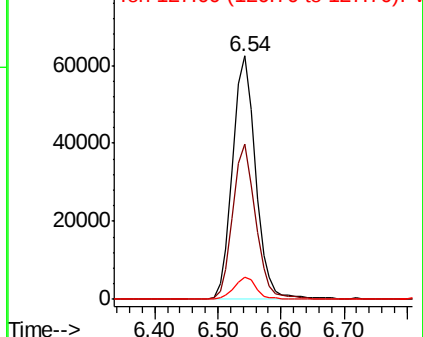
83 100

85 63.9 55.2 82.8

127 9.7 7.3 10.9



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



#48

Methyl methacrylate

Concen: 45.84 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

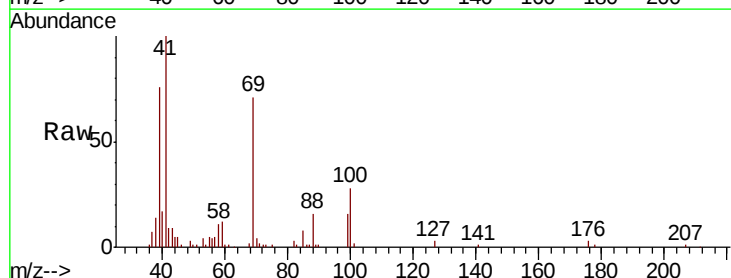
Tgt Ion: 41 Resp: 54203

Ion Ratio Lower Upper

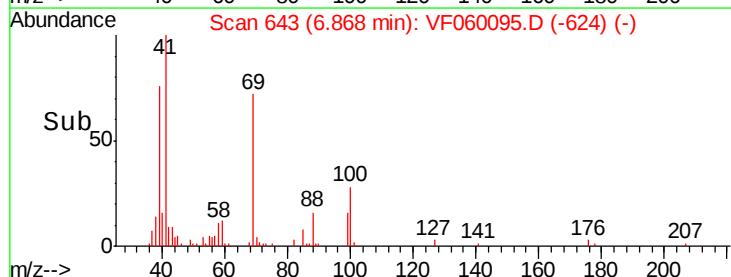
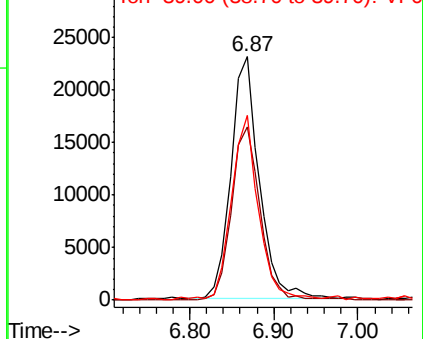
41 100

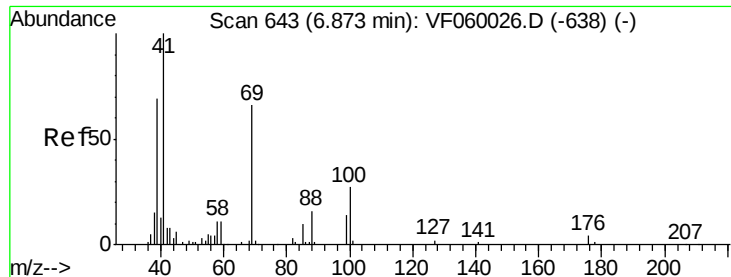
69 71.2 54.6 81.8

39 75.7 56.5 84.7



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





#49

1,4-Dioxane

Concen: 1058.22 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

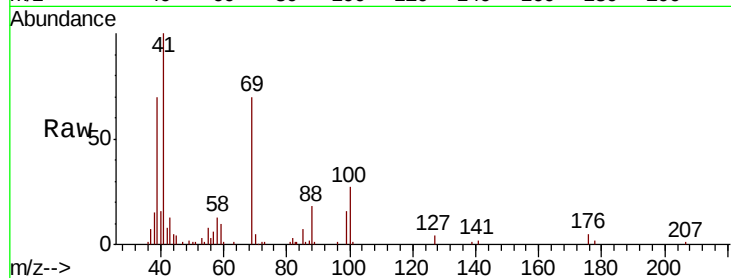
Tot Ion: 88 Resp: 12011

Ion Ratio Lower Upper

88 100

43 70.5 46.5 69.7#

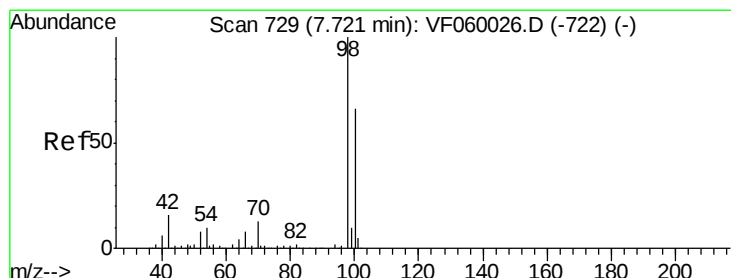
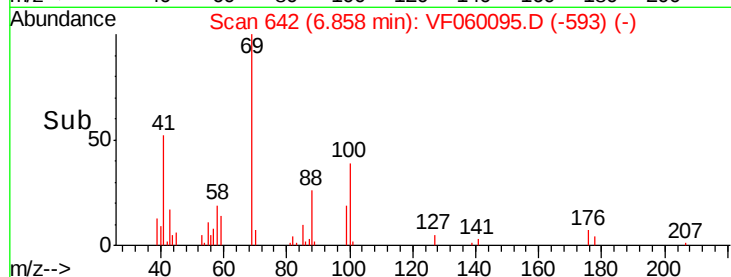
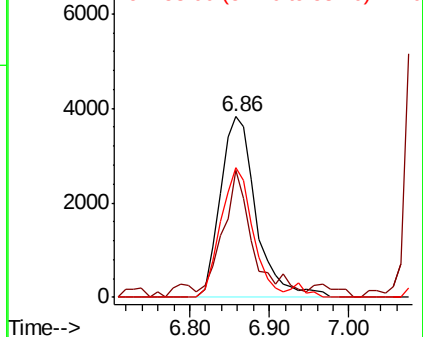
58 71.9 54.8 82.2



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.86 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060095.D

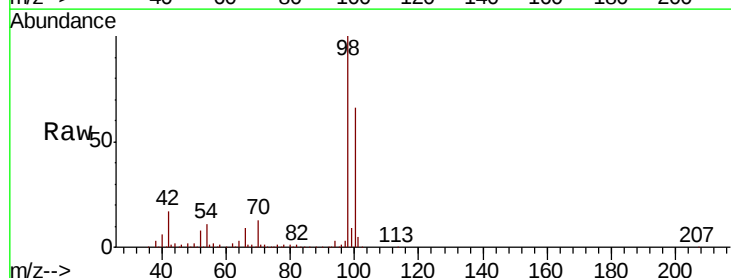
Acq: 24 Aug 2018 12:39

Tgt Ion: 98 Resp: 286489

Ion Ratio Lower Upper

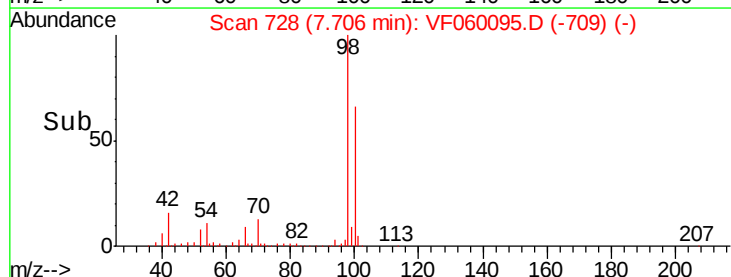
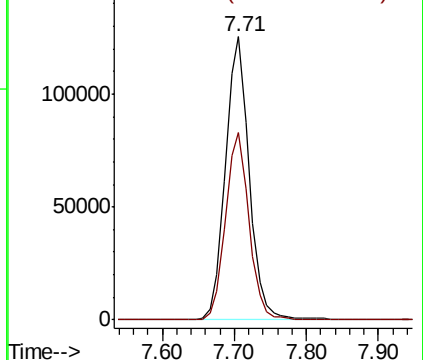
98 100

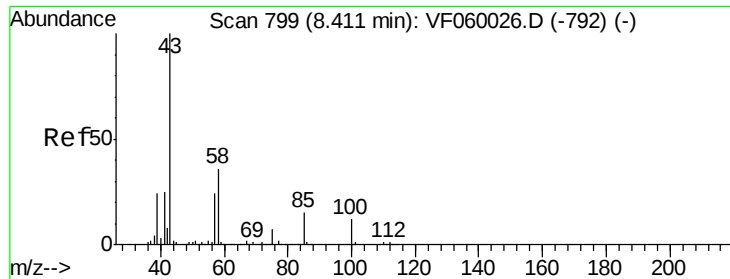
100 66.3 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 240.05 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

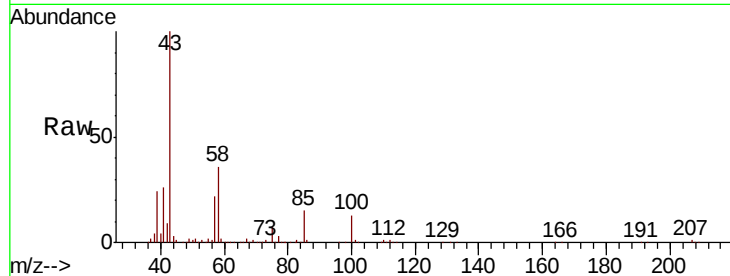
VSTDCCC050

Tot Ion: 43 Resp: 370392

Ion Ratio Lower Upper

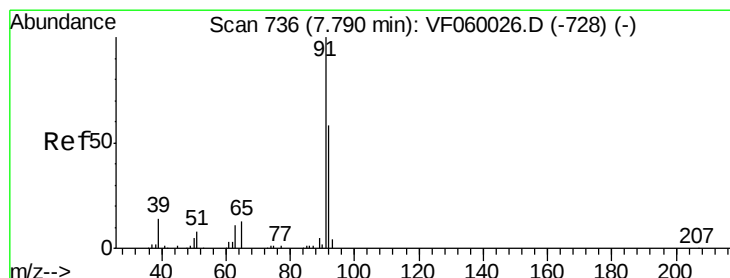
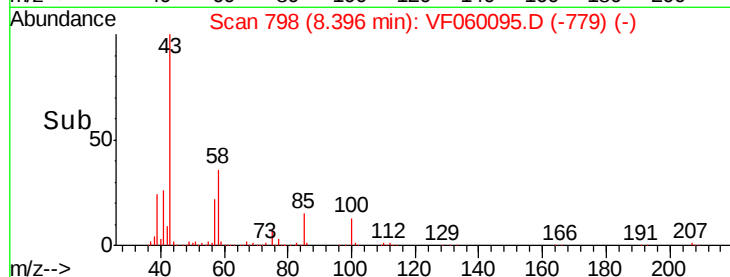
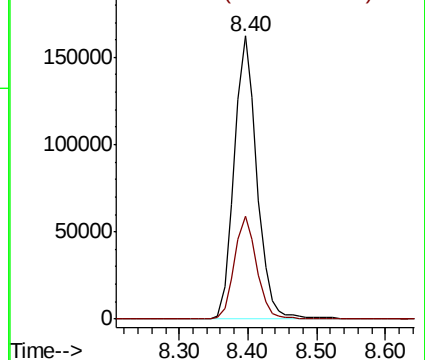
43 100

58 36.5 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 60.64 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060095.D

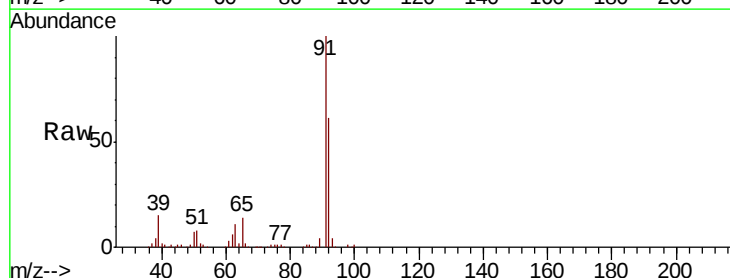
Acq: 24 Aug 2018 12:39

Tgt Ion: 92 Resp: 198797

Ion Ratio Lower Upper

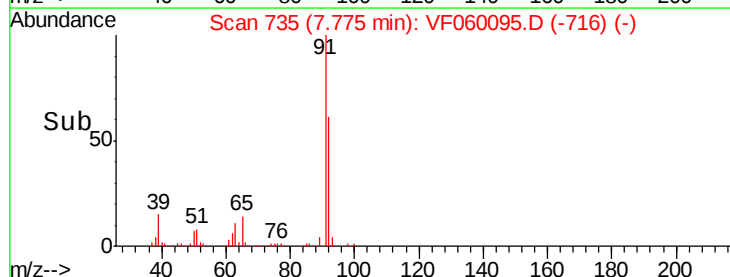
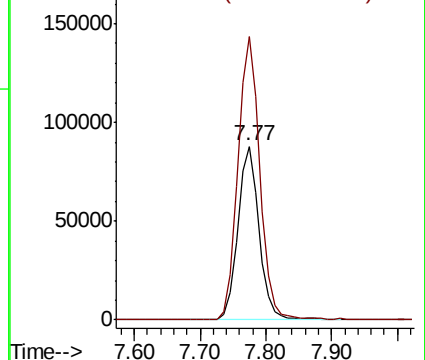
92 100

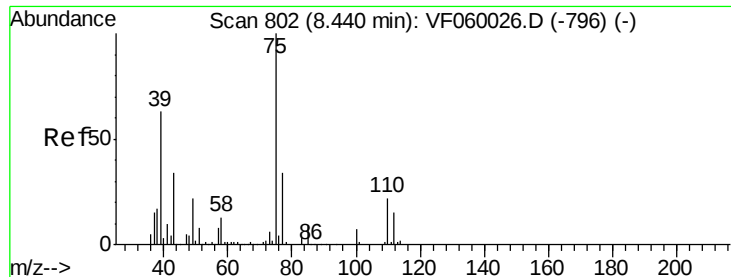
91 163.3 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 51.82 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

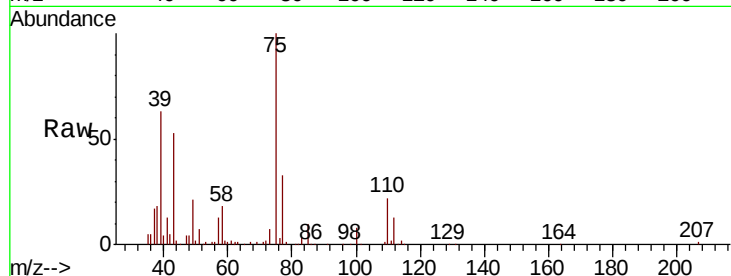
VSTDCCC050

Tot Ion: 75 Resp: 130266

Ion Ratio Lower Upper

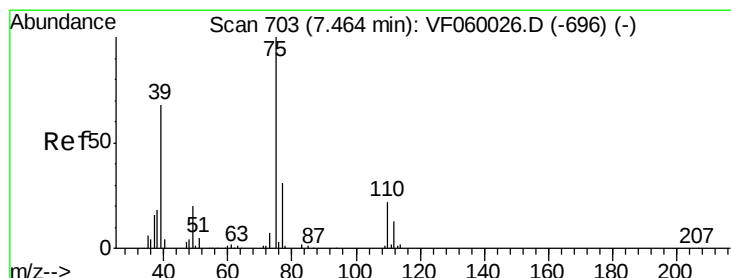
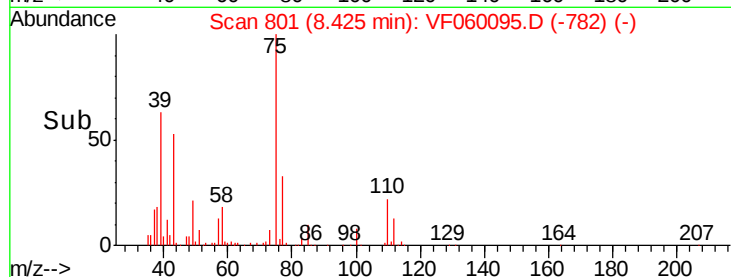
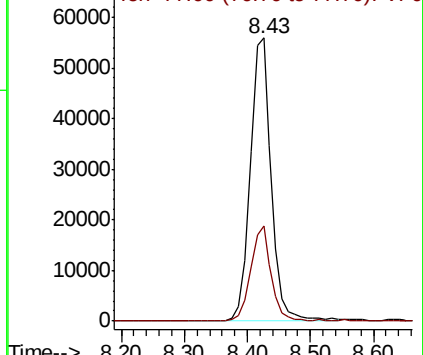
75 100

77 33.5 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 54.05 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

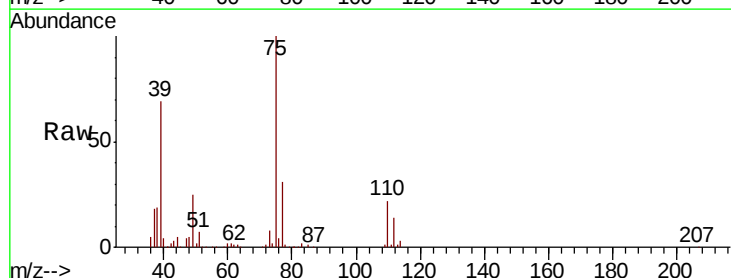
Tgt Ion: 75 Resp: 151641

Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0

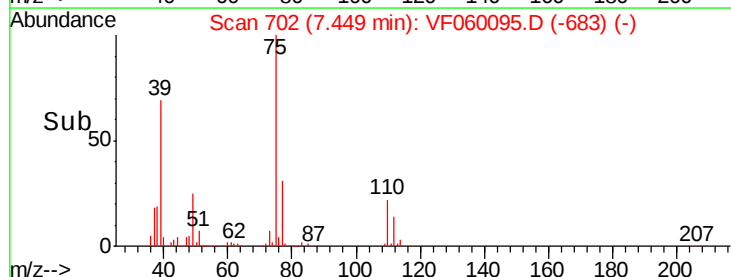
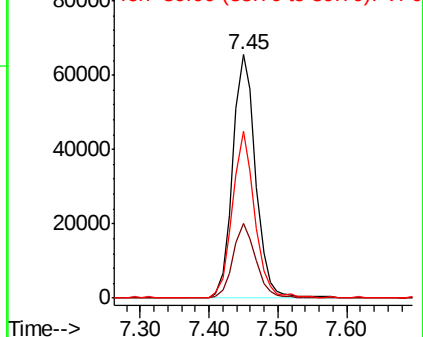
39 68.6 54.6 81.8

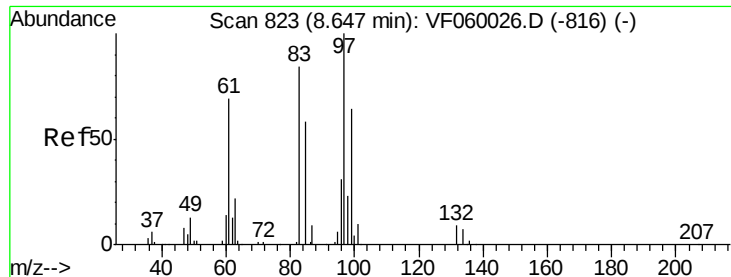


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

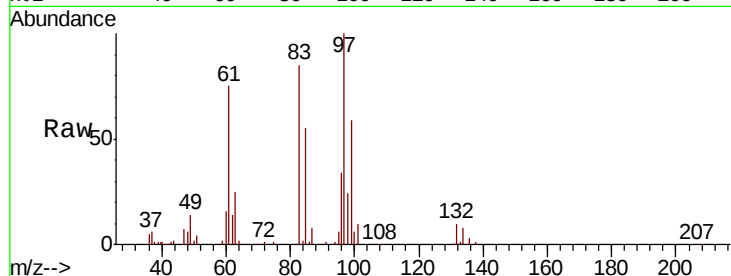




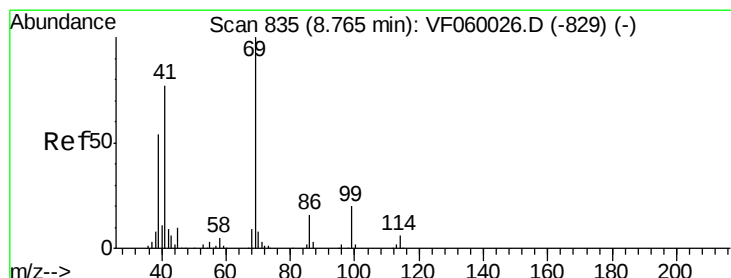
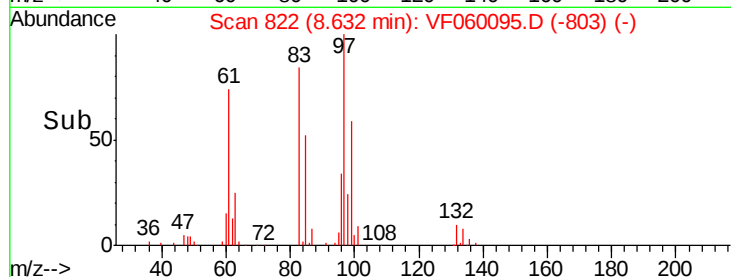
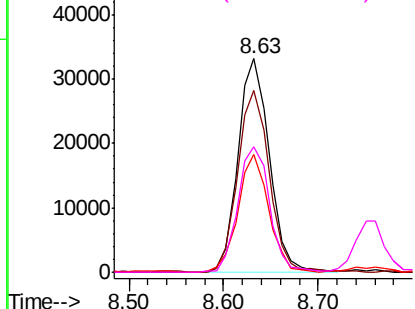
#55
 1,1,2-Trichloroethane
 Concen: 54.18 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	75801
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.4	101.2
85	55.1	46.2	69.2
99	58.7	51.1	76.7

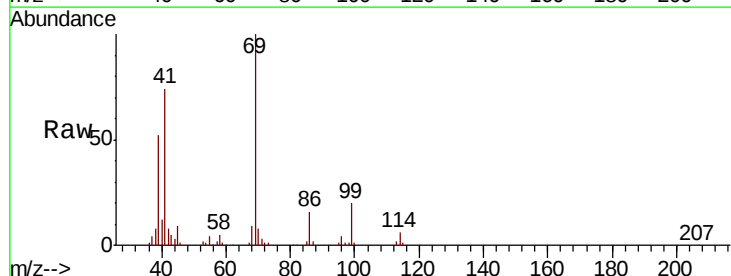


Abundance Ion 97.00 (96.70 to 97.70): VF0
 Ion 82.95 (82.65 to 83.65): VF0
 Ion 84.95 (84.65 to 85.65): VF0
 Ion 98.95 (98.65 to 99.65): VF0

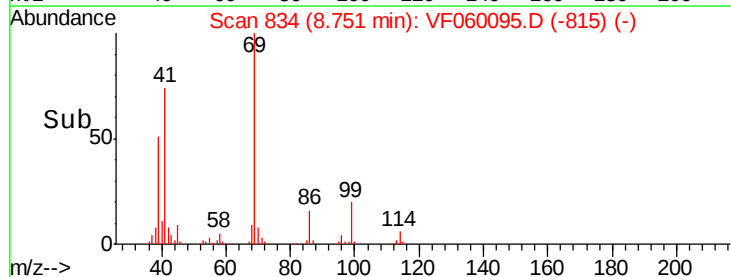
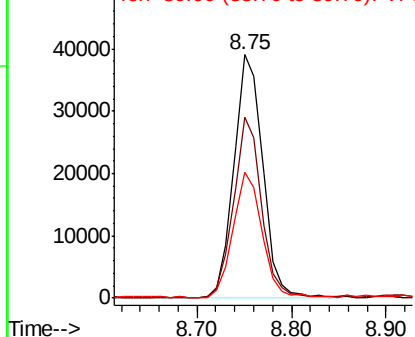


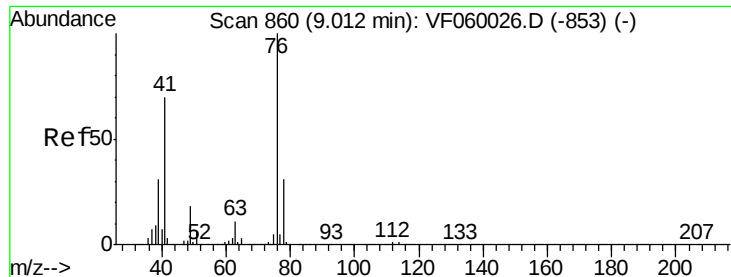
#56
 Ethyl methacrylate
 Concen: 48.83 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion:	69	Resp:	82696
Ion	Ratio	Lower	Upper
69	100		
41	74.3	61.6	92.4
39	51.5	43.9	65.9



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: 53.78 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

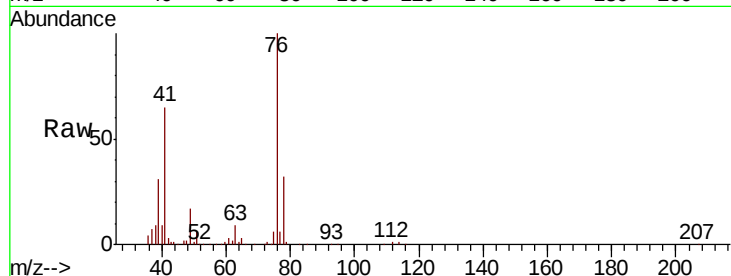
VSTDCCC050

Tot Ion: 76 Resp: 132252

Ion Ratio Lower Upper

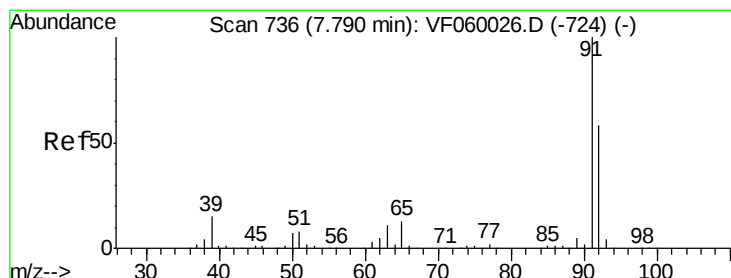
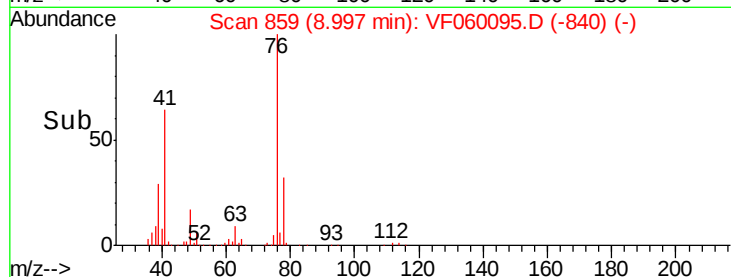
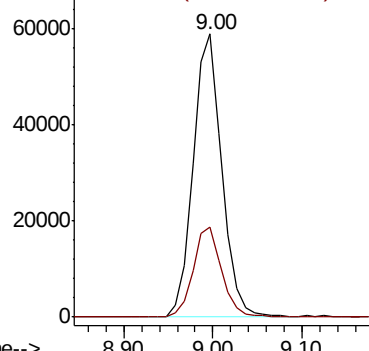
76 100

78 32.0 25.2 37.8



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: 264.87 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060095.D

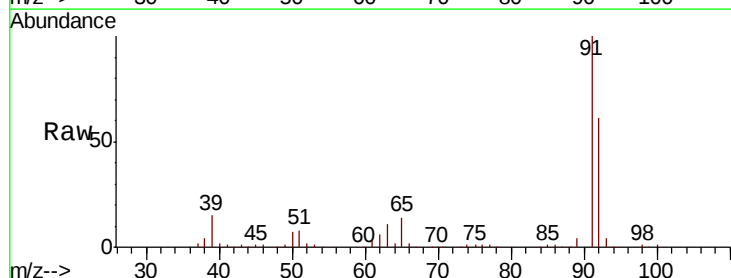
Acq: 24 Aug 2018 12:39

Tgt Ion: 63 Resp: 35606

Ion Ratio Lower Upper

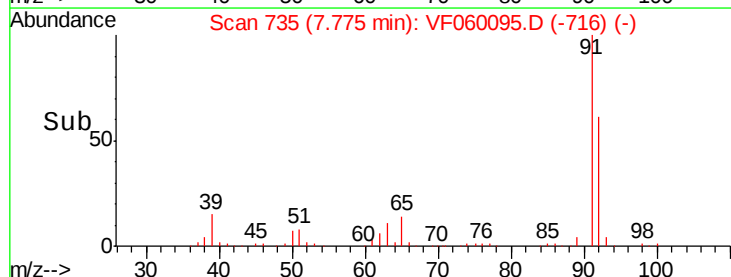
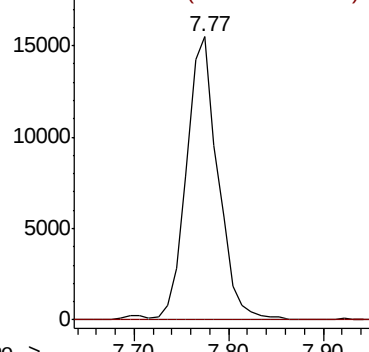
63 100

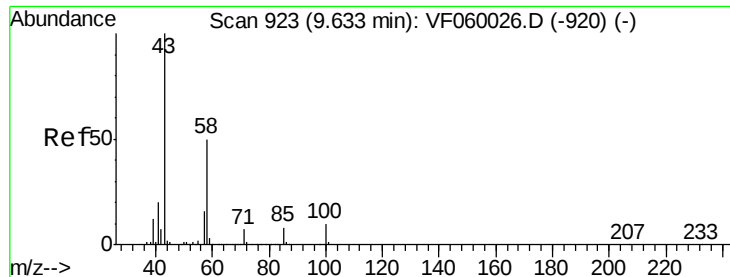
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

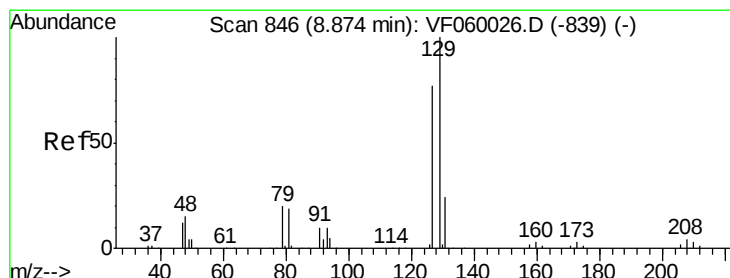
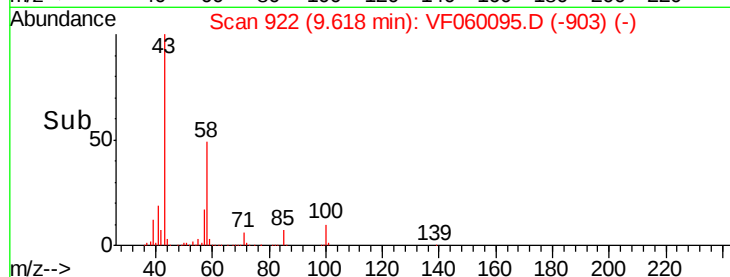
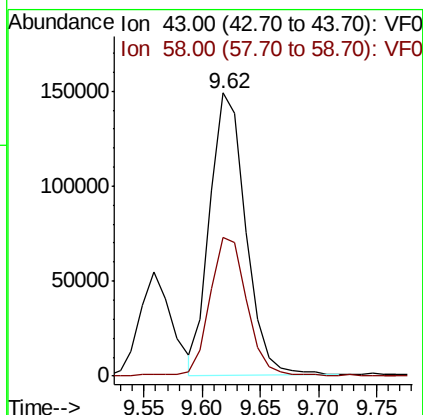
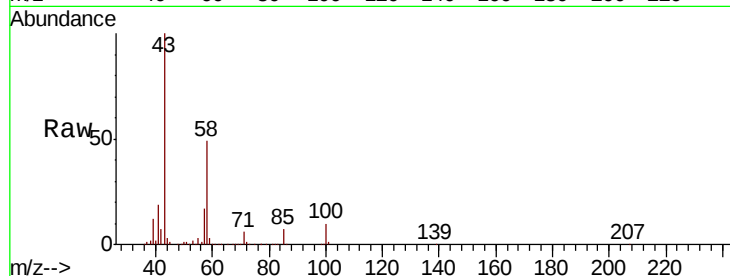




#59
2-Hexanone
Concen: 253.44 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

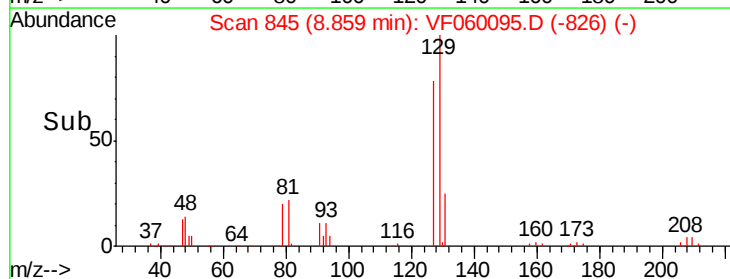
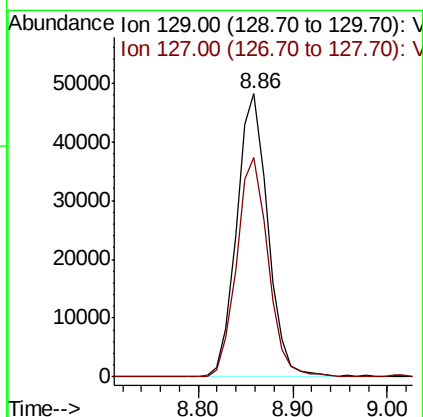
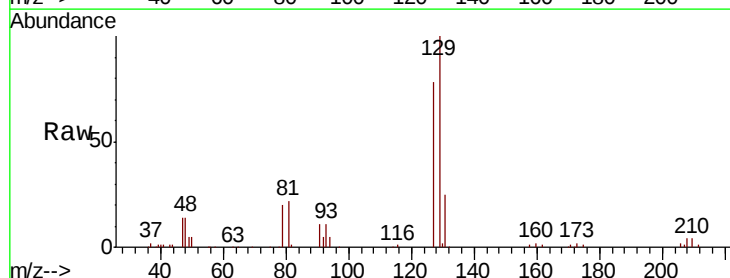
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

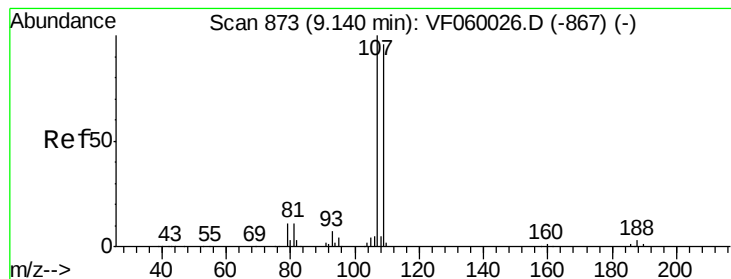
Tot Ion: 43 Resp: 316500
Ion Ratio Lower Upper
43 100
58 49.0 23.4 70.2



#60
Dibromochloromethane
Concen: 53.37 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion: 129 Resp: 110230
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.84 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

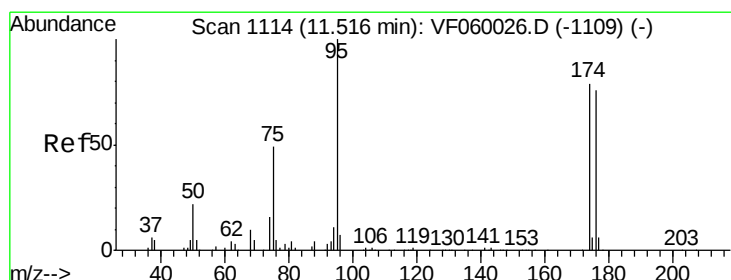
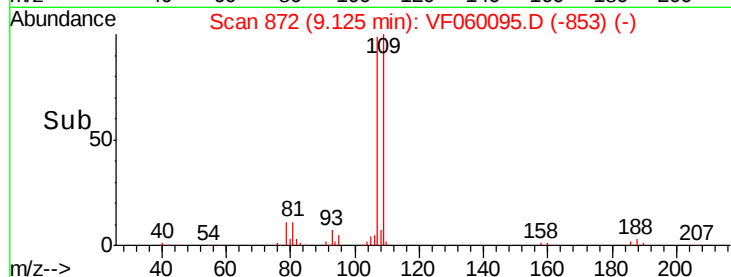
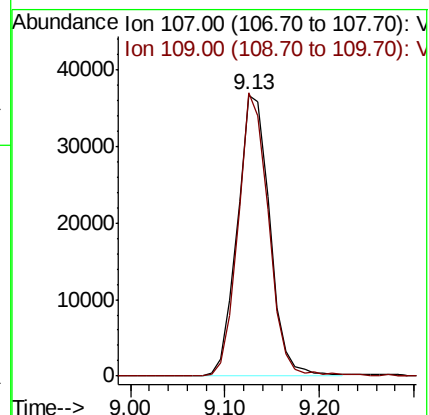
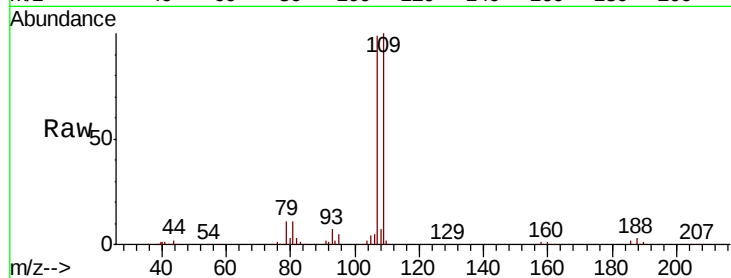
VSTDCCC050

Tot Ion:107 Resp: 86833

Ion Ratio Lower Upper

107 100

109 100.6 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 52.99 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

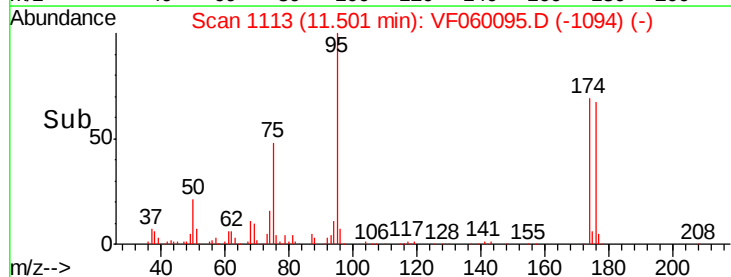
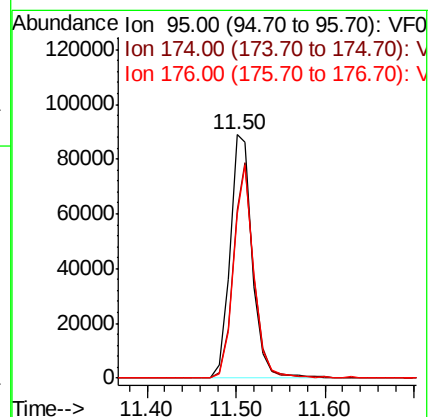
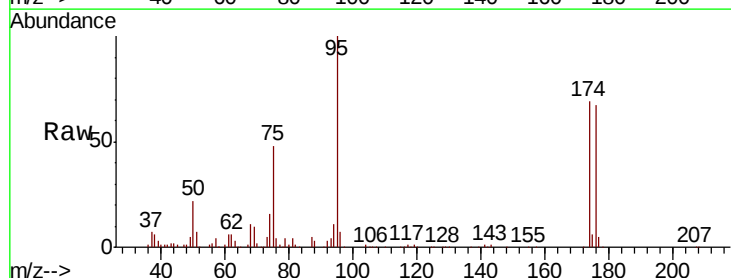
Tgt Ion: 95 Resp: 157906

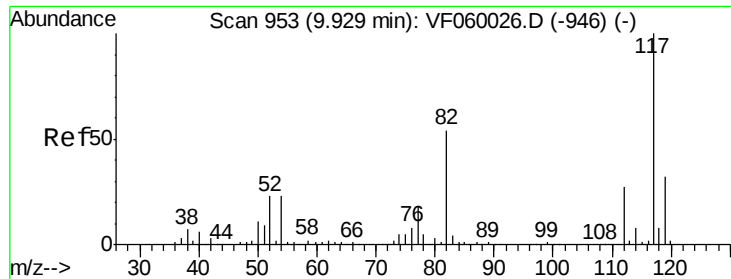
Ion Ratio Lower Upper

95 100

174 69.1 0.0 158.4

176 67.5 0.0 153.0

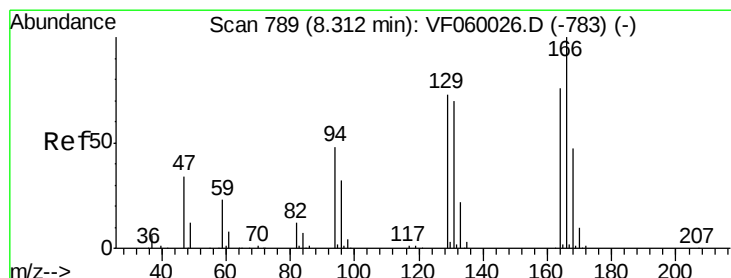
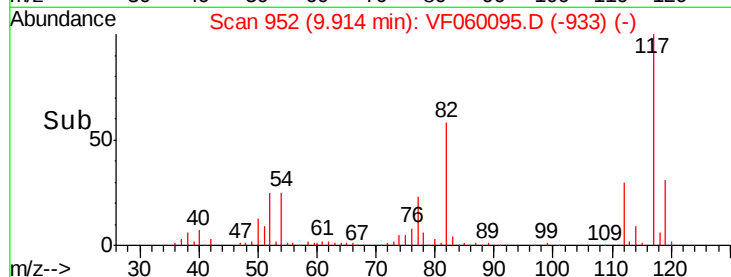
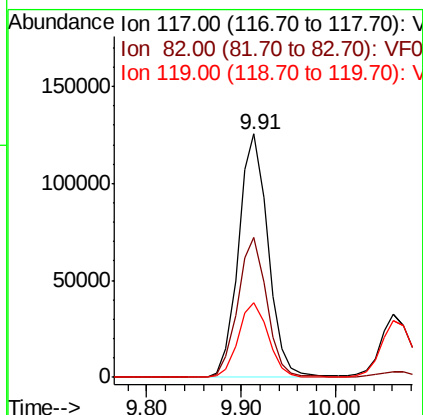
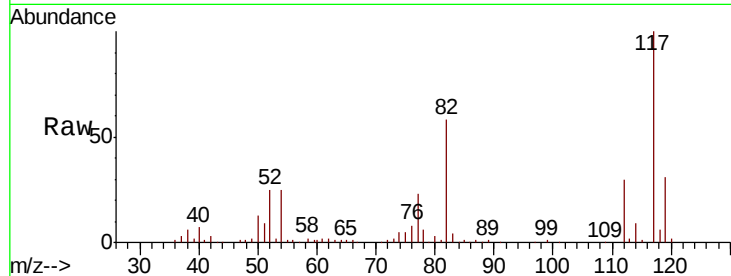




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

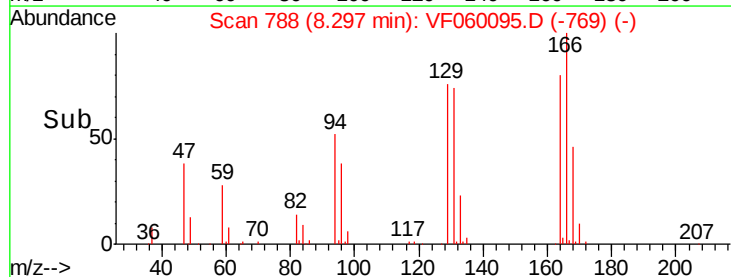
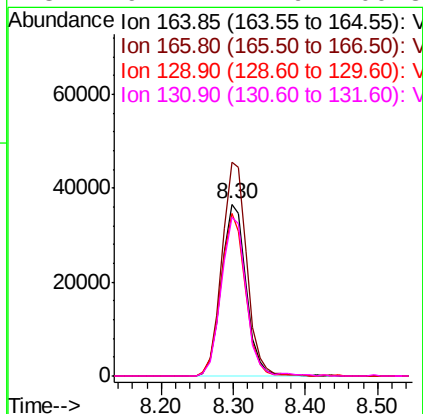
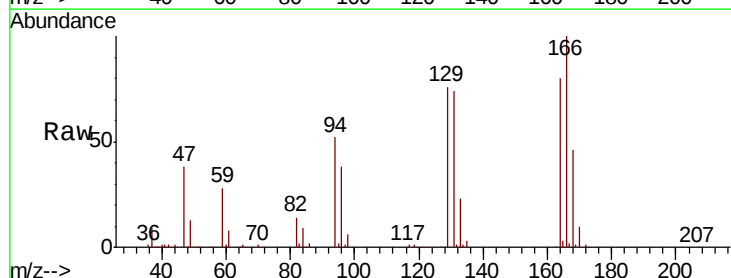
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

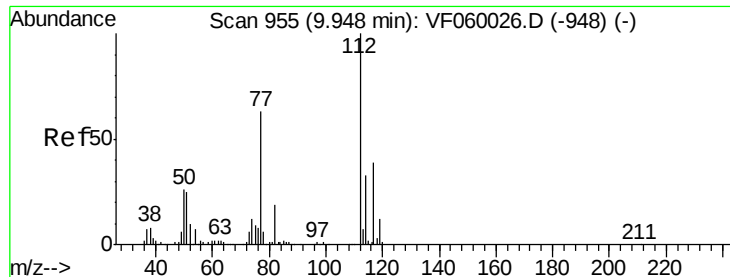
Tot Ion:117 Resp: 272091
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 30.9 25.6 38.4



#64
Tetrachloroethene
Concen: 47.15 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion:164 Resp: 86417
Ion Ratio Lower Upper
164 100
166 124.4 104.7 157.1
129 94.7 77.0 115.4
131 92.2 72.9 109.3

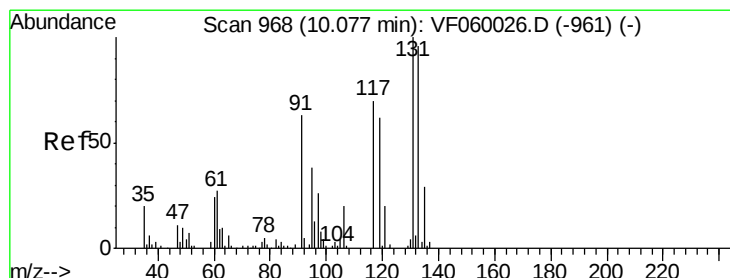
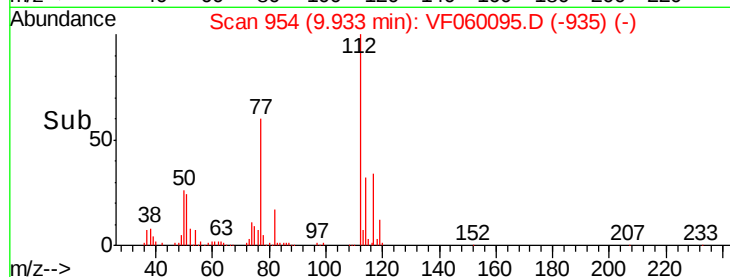
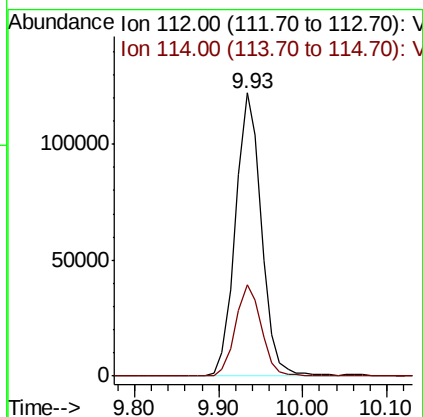
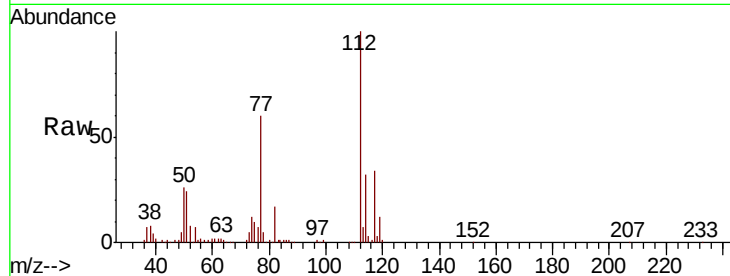




#65
Chlorobenzene
Concen: 51.17 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

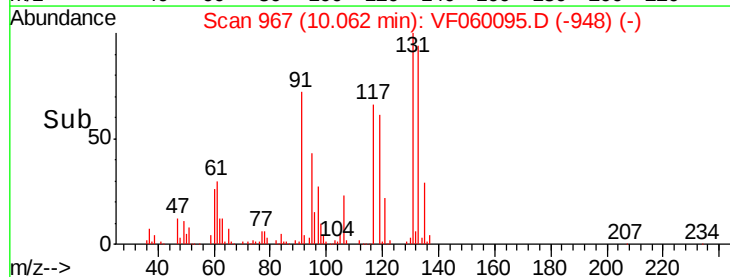
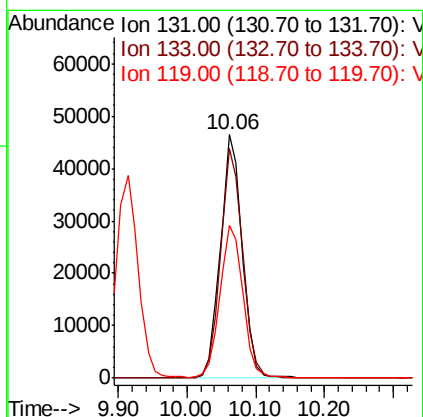
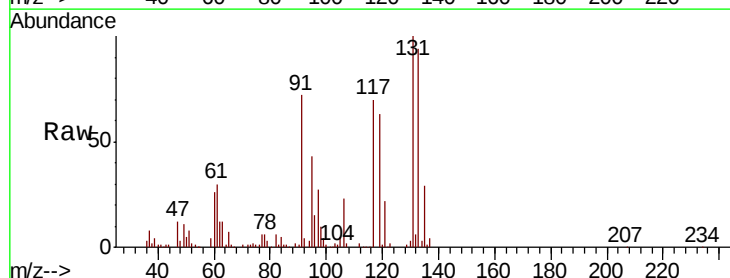
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

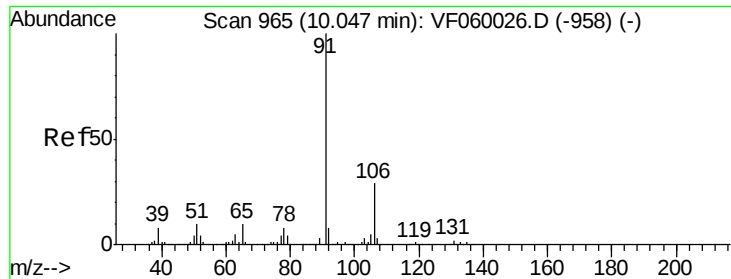
Tot Ion:112 Resp: 262890
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.19 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion:131 Resp: 101701
Ion Ratio Lower Upper
131 100
133 94.4 48.2 144.6
119 62.7 31.4 94.2





#67

Ethyl Benzene

Concen: 52.58 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

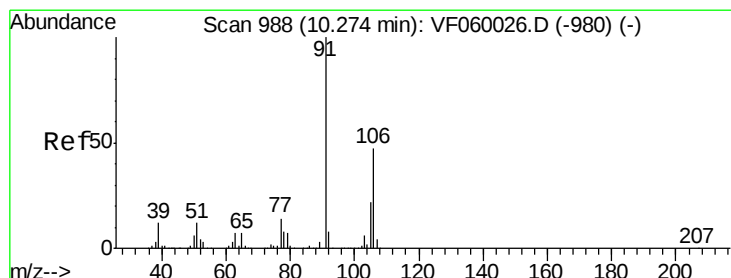
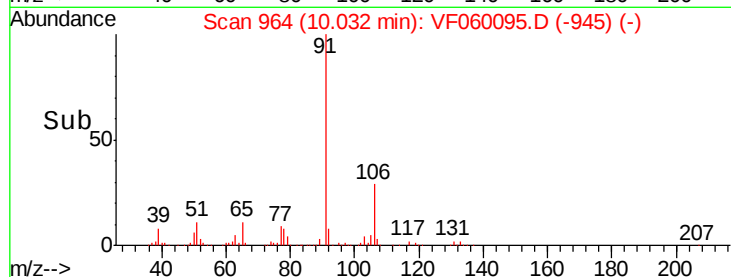
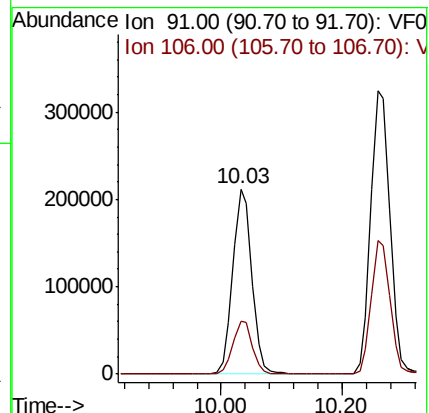
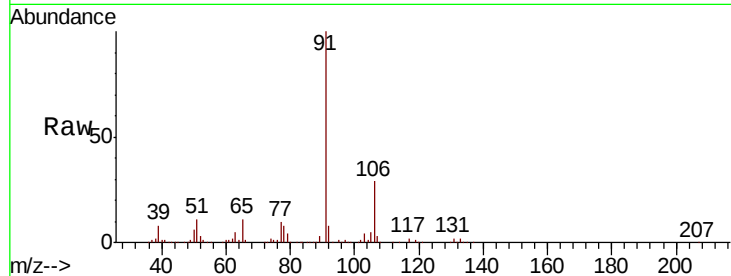
VSTDCCC050

Tot Ion: 91 Resp: 466167

Ion Ratio Lower Upper

91 100

106 28.8 23.6 35.4



#68

m/p-Xylenes

Concen: 117.36 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF060095.D

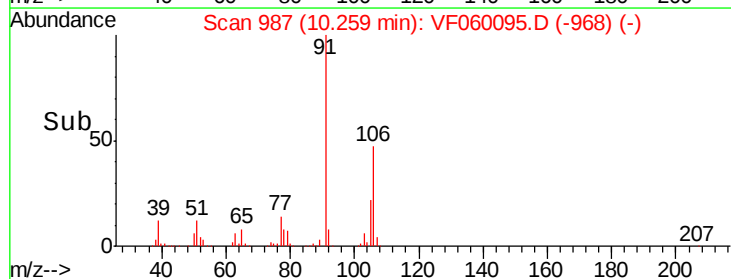
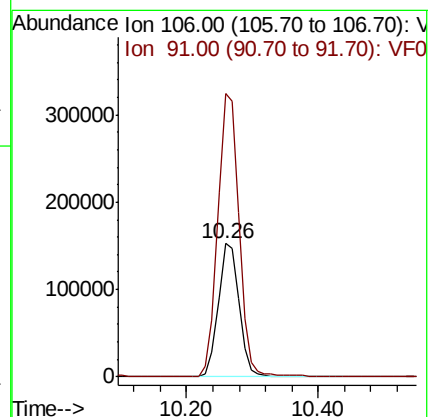
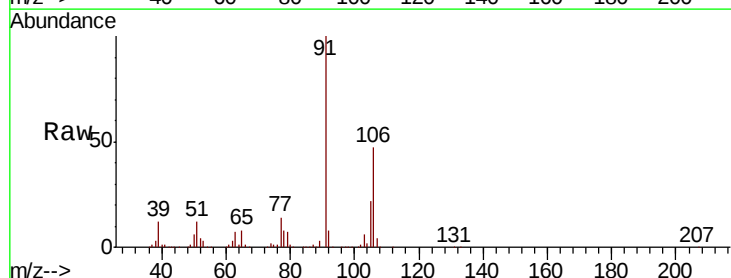
Acq: 24 Aug 2018 12:39

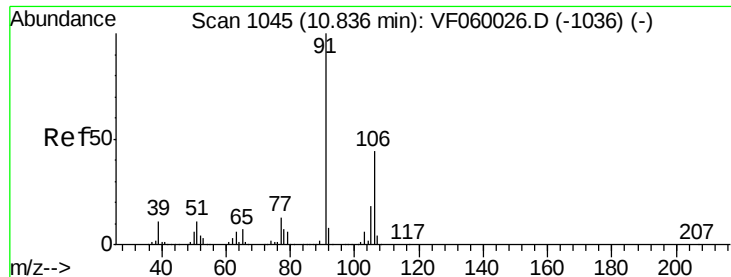
Tgt Ion: 106 Resp: 334644

Ion Ratio Lower Upper

106 100

91 212.5 171.8 257.8

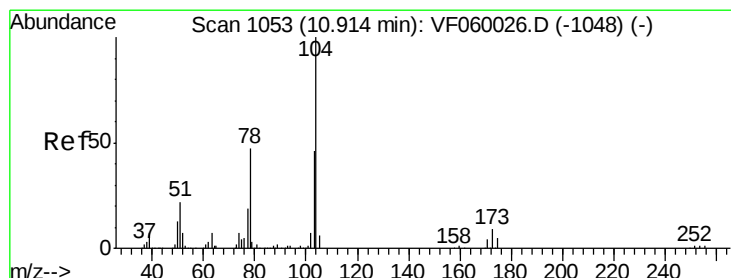
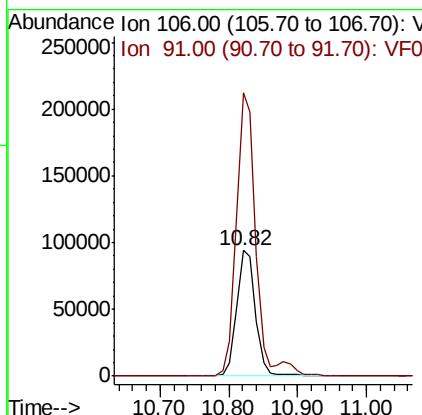
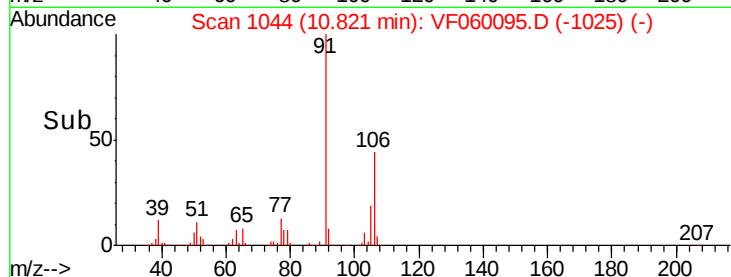
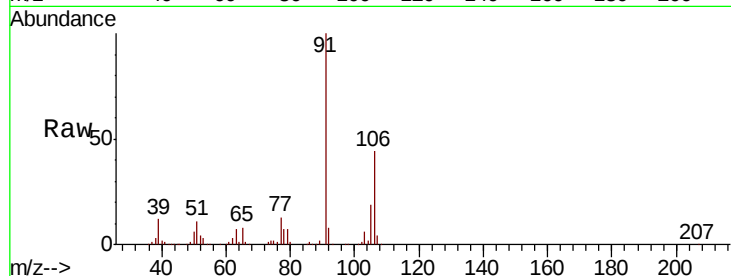




#69
o-Xylene
Concen: 51.22 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

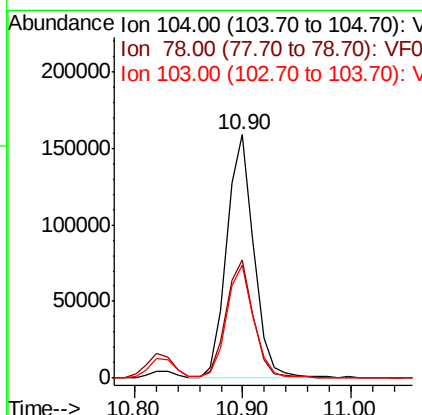
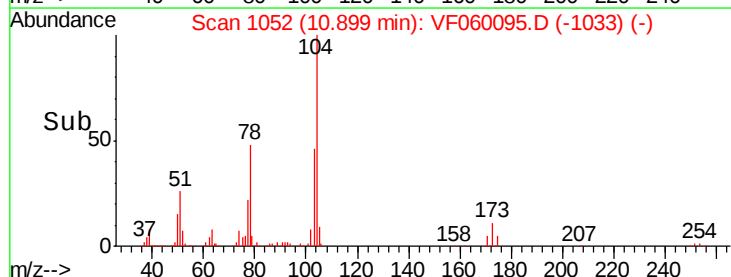
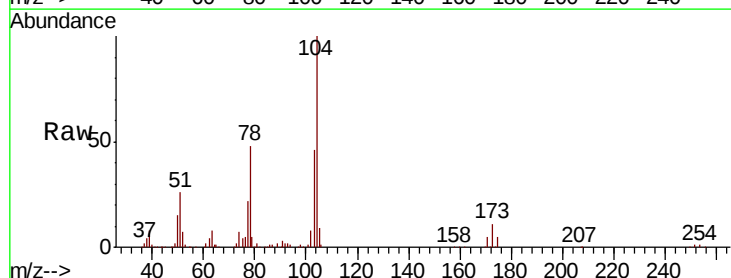
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

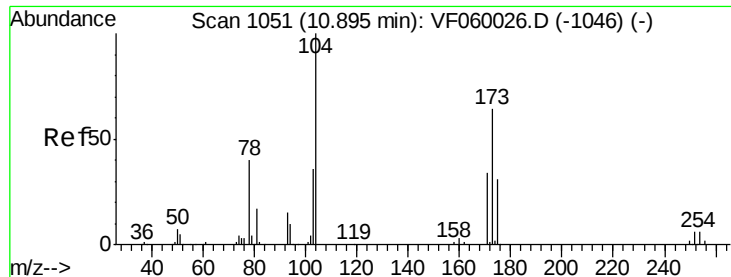
Tot Ion:106 Resp: 177912
Ion Ratio Lower Upper
106 100
91 224.9 112.5 337.5



#70
Styrene
Concen: 51.87 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion:104 Resp: 276421
Ion Ratio Lower Upper
104 100
78 48.4 38.0 57.0
103 46.3 37.6 56.4





#71

Bromoform

Concen: 53.76 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

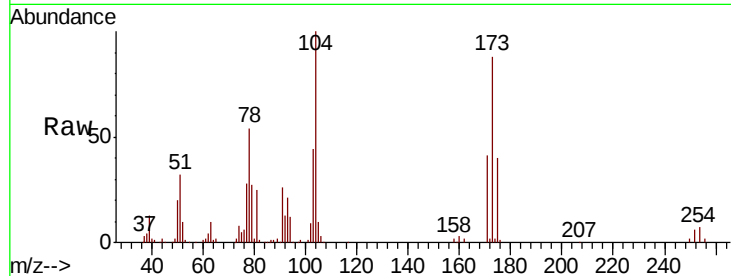
Tot Ion:173 Resp: 73095

Ion Ratio Lower Upper

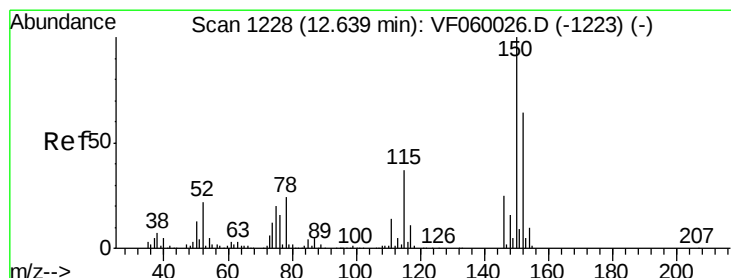
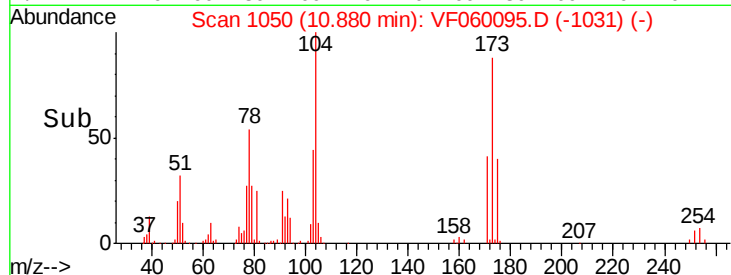
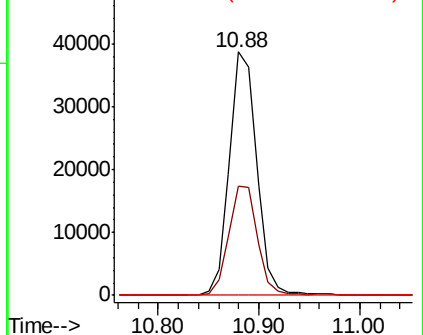
173 100

175 45.0 24.7 74.1

254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

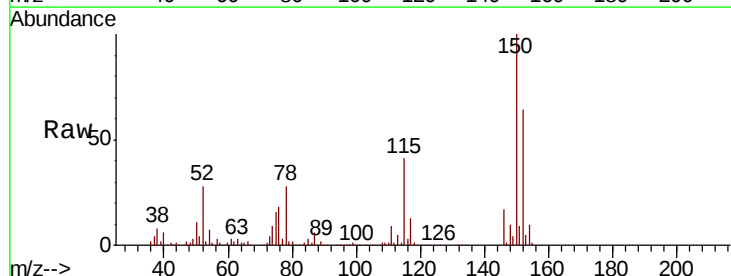
Tgt Ion:152 Resp: 167990

Ion Ratio Lower Upper

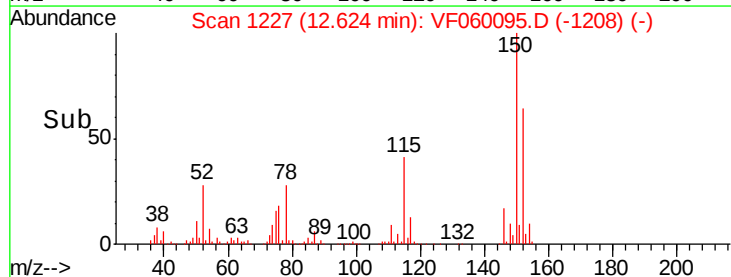
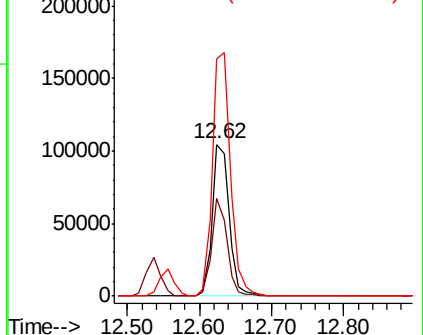
152 100

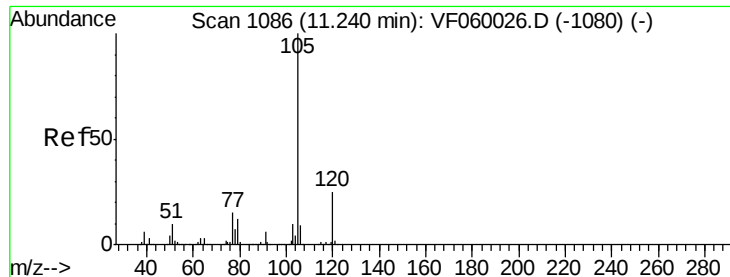
115 64.4 28.6 85.9

150 156.2 0.0 312.0



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





#73

Isopropylbenzene

Concen: 52.95 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

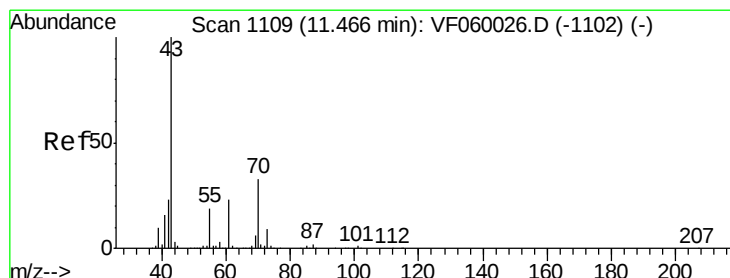
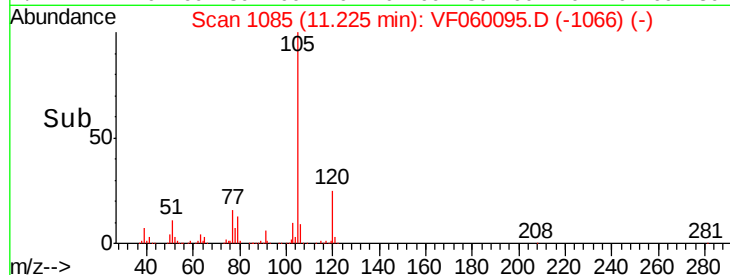
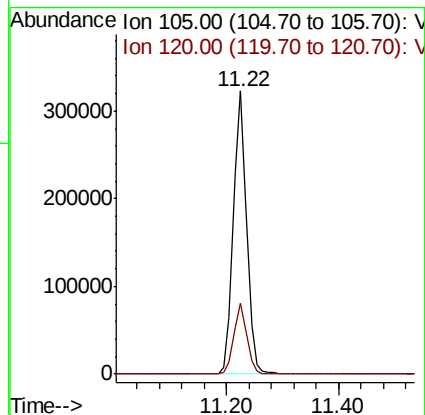
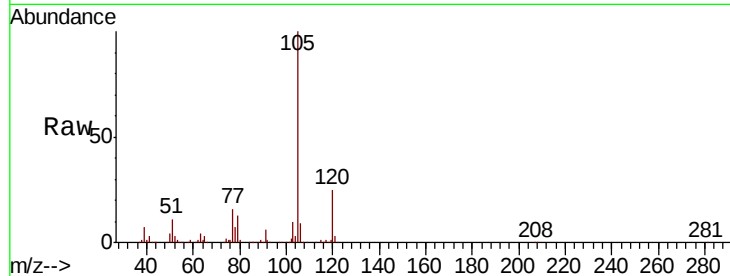
VSTDCCC050

Tot Ion:105 Resp: 535411

Ion Ratio Lower Upper

105 100

120 24.8 12.7 38.0



#74

N-ethyl acetate

Concen: 48.56 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Tgt Ion: 43 Resp: 152639

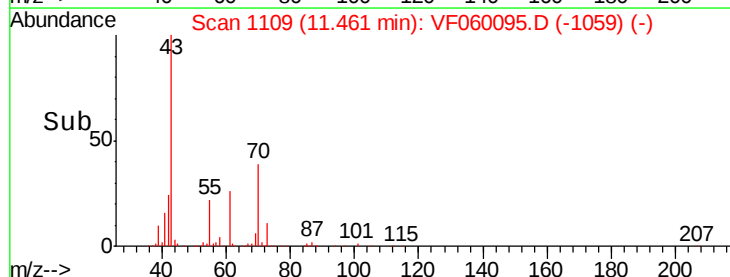
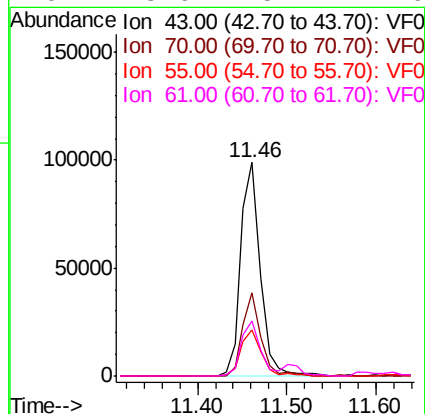
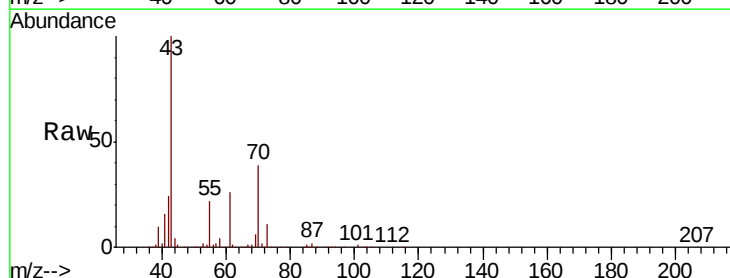
Ion Ratio Lower Upper

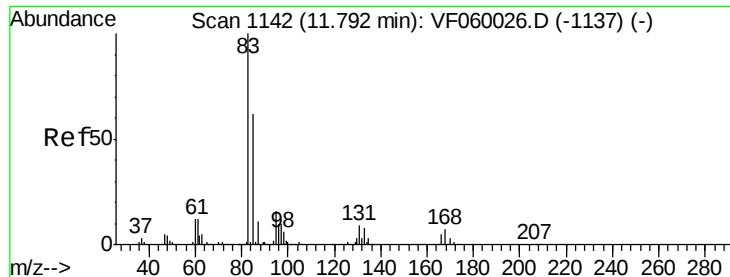
43 100

70 38.8 26.4 39.6

55 21.5 15.0 22.4

61 25.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.42 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

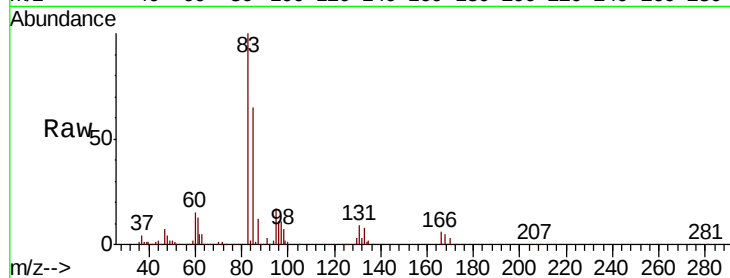
Tot Ion: 83 Resp: 113550

Ion Ratio Lower Upper

83 100

131 8.7 4.5 13.7

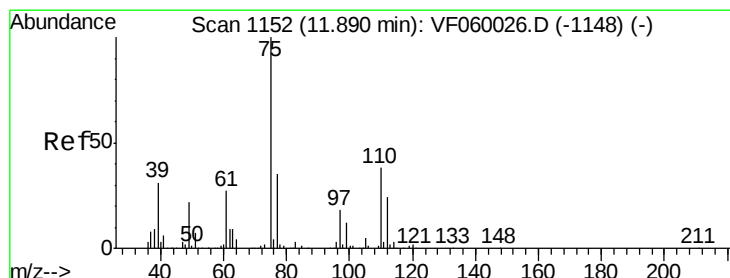
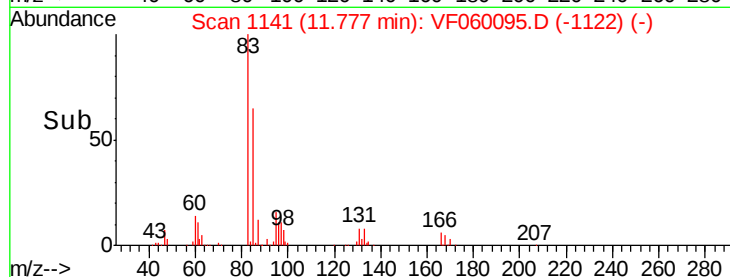
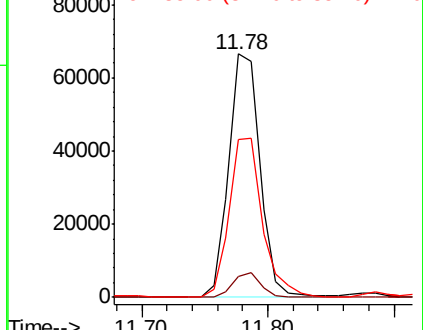
85 64.9 31.3 93.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 49.43 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF060095.D

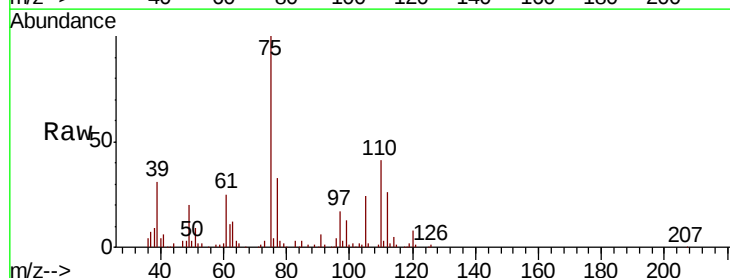
Acq: 24 Aug 2018 12:39

Tgt Ion: 75 Resp: 84659

Ion Ratio Lower Upper

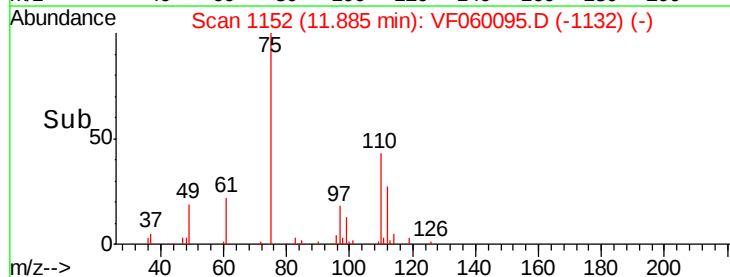
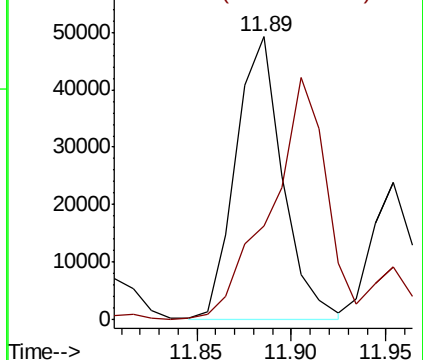
75 100

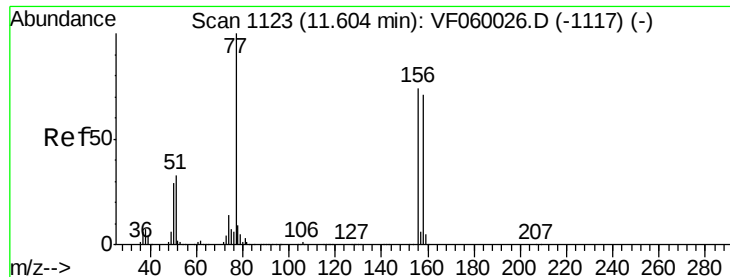
77 33.1 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.49 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

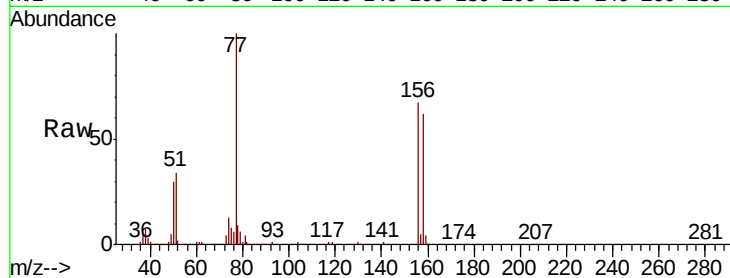
Tot Ion:156 Resp: 141586

Ion Ratio Lower Upper

156 100

77 149.6 68.0 204.0

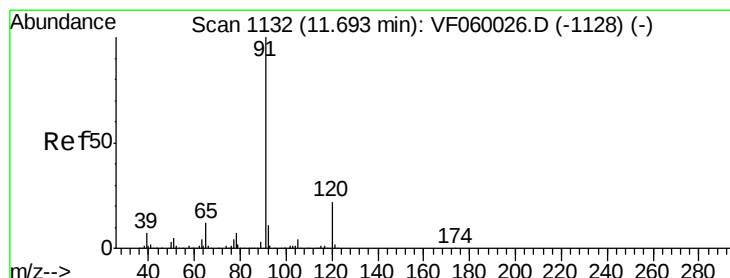
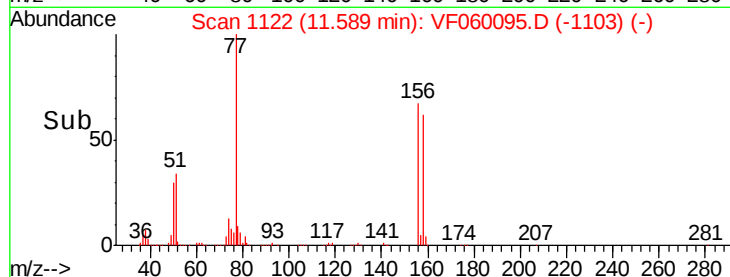
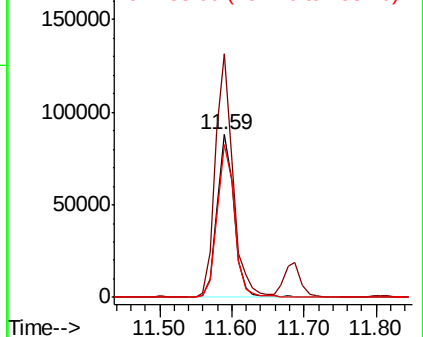
158 93.4 48.4 145.3



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: 55.02 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060095.D

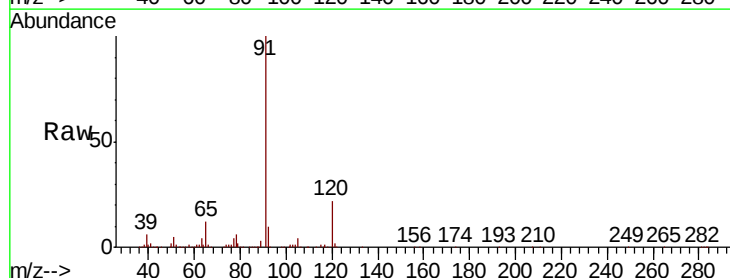
Acq: 24 Aug 2018 12:39

Tgt Ion: 91 Resp: 686637

Ion Ratio Lower Upper

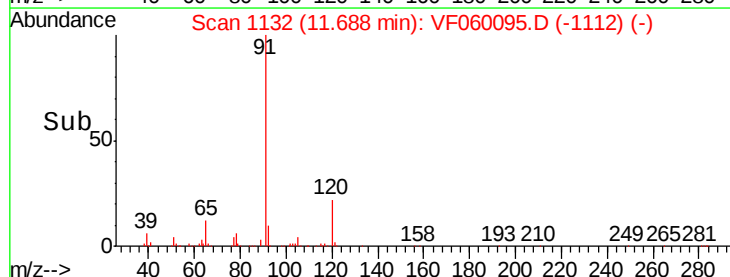
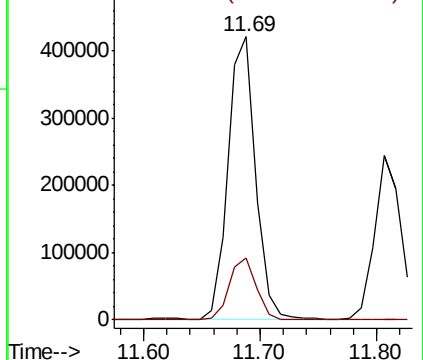
91 100

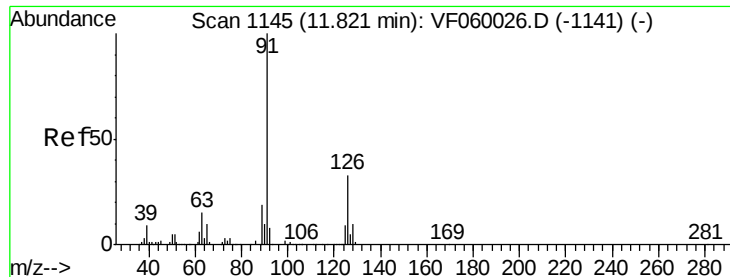
120 21.9 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.41 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

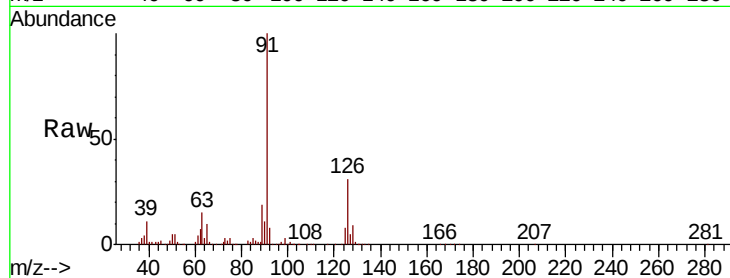
VSTDCCC050

Tot Ion: 91 Resp: 377298

Ion Ratio Lower Upper

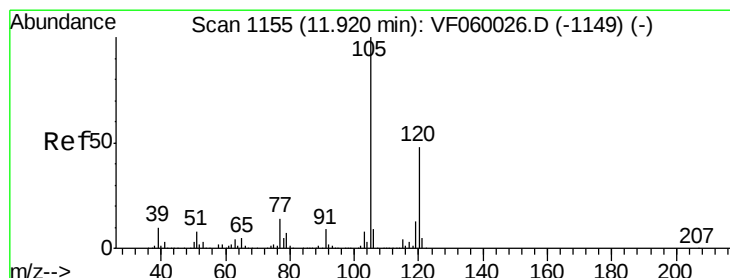
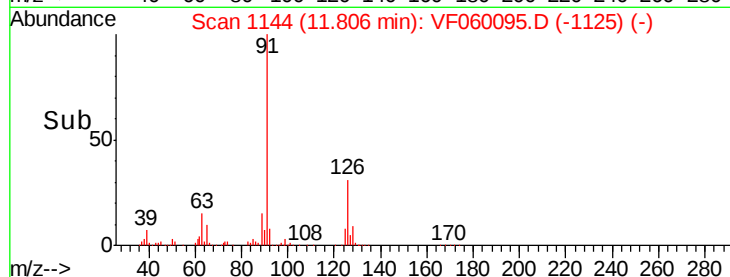
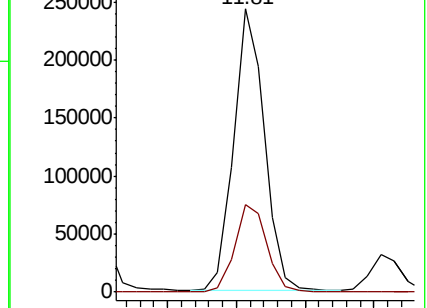
91 100

126 30.8 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 53.22 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060095.D

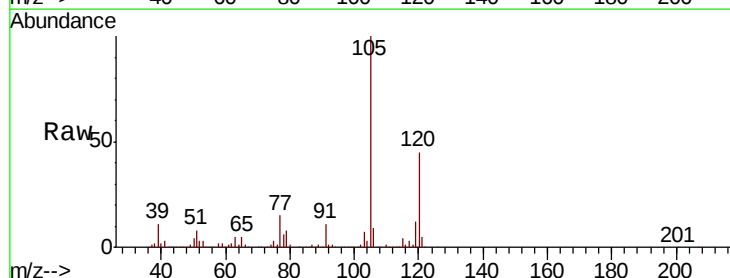
Acq: 24 Aug 2018 12:39

Tgt Ion:105 Resp: 468877

Ion Ratio Lower Upper

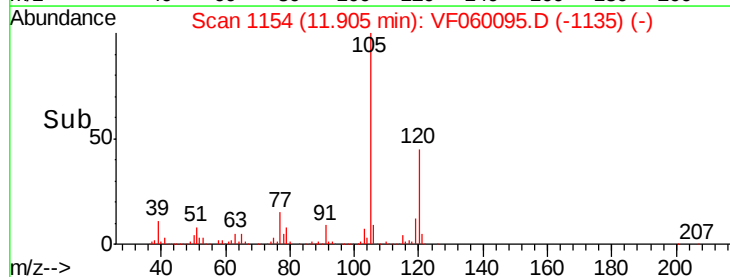
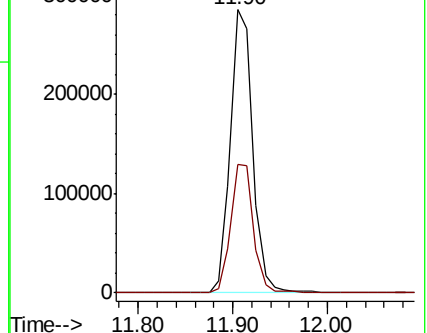
105 100

120 45.3 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.31 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

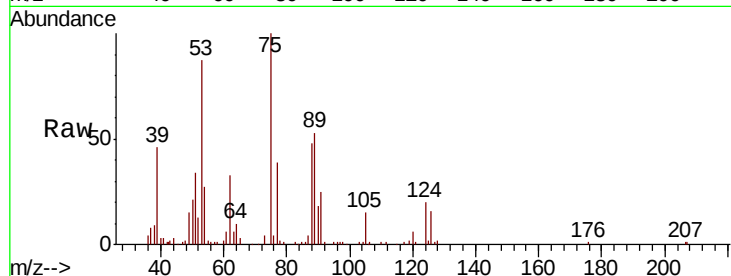
MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 50390

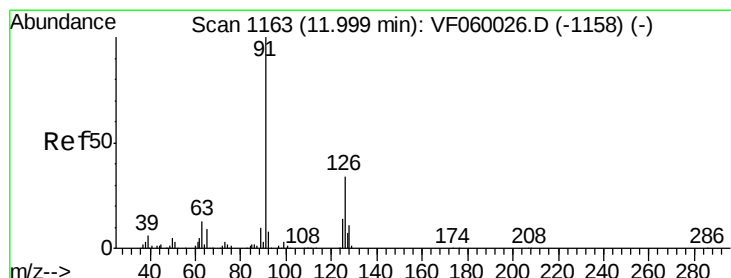
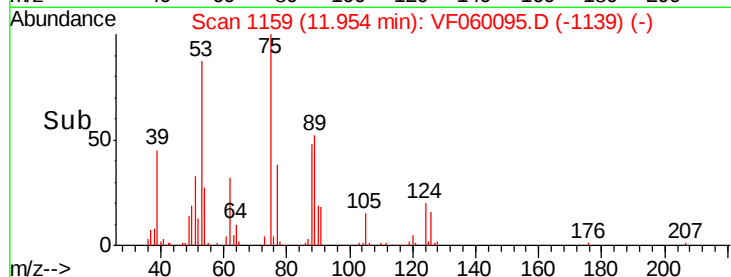
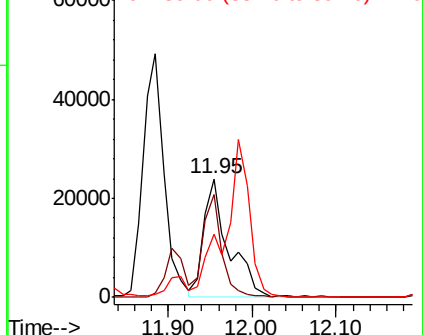
Ion	Ratio	Lower	Upper
75	100		
53	86.9	66.2	99.4
89	52.8	42.8	64.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 53.53 ug/l

RT: 11.98 min Scan# 1162

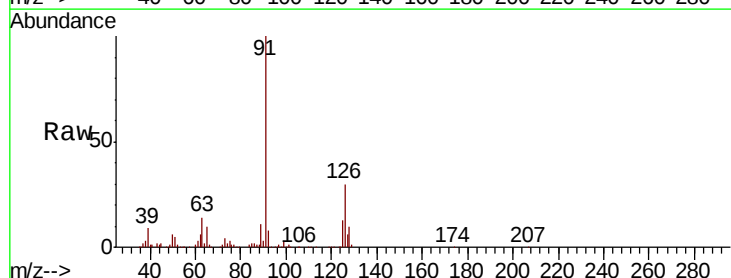
Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

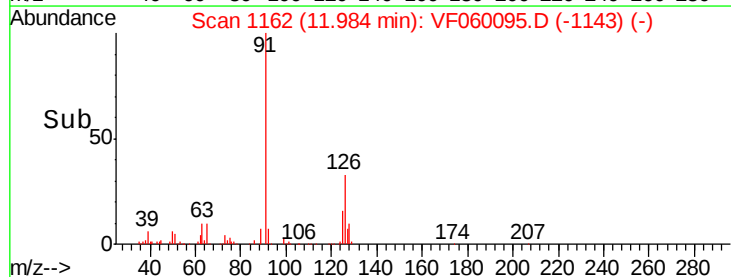
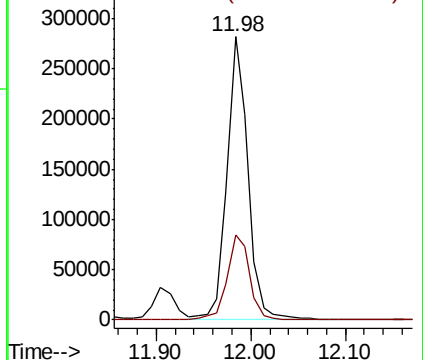
Tgt Ion: 91 Resp: 426514

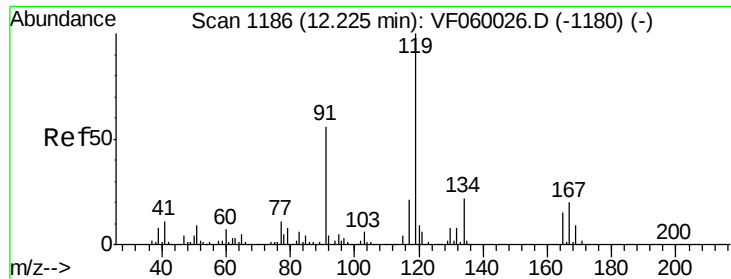
Ion	Ratio	Lower	Upper
91	100		
126	30.2	17.0	50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

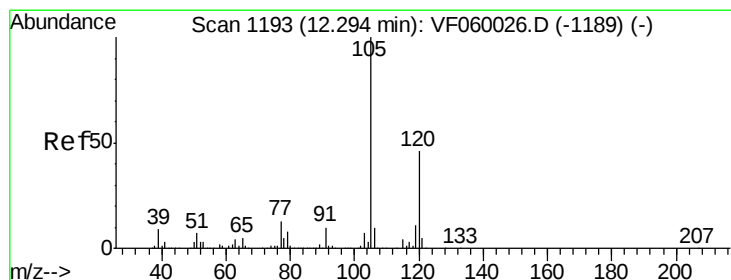
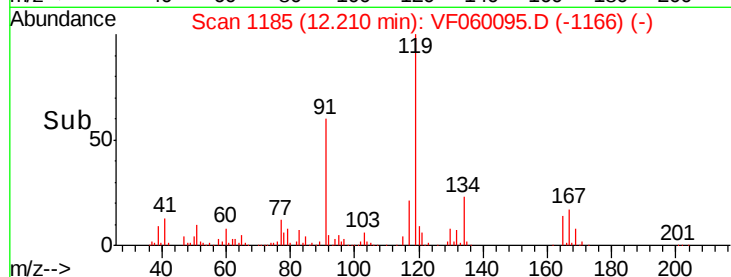
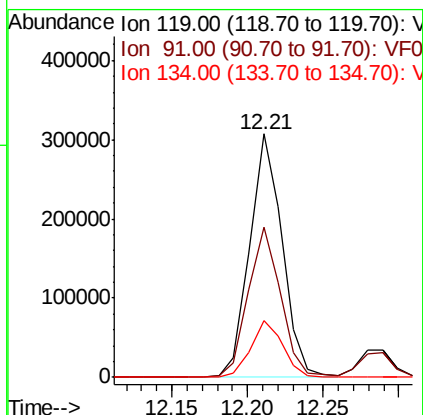
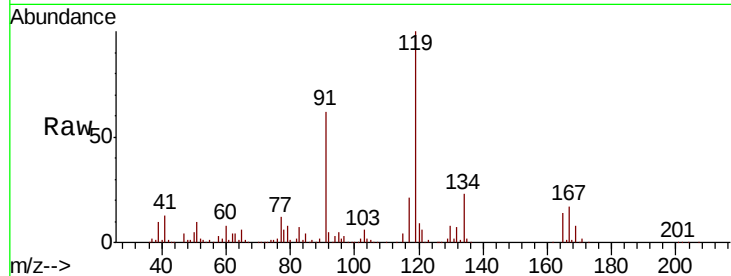




#83
 tert-Butylbenzene
 Concen: 53.72 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

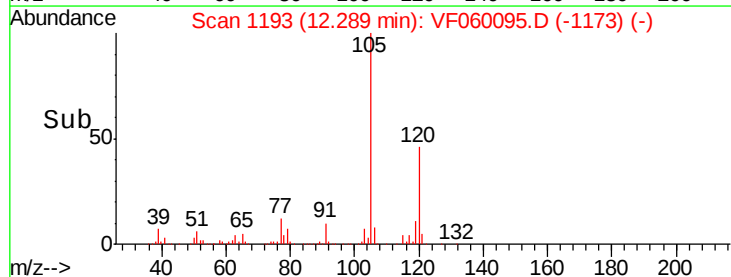
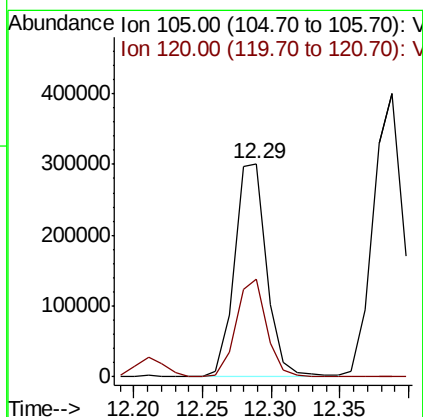
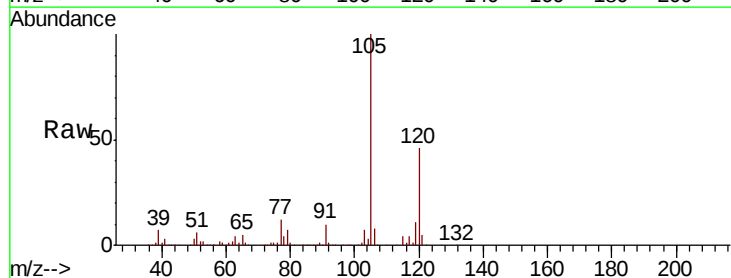
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

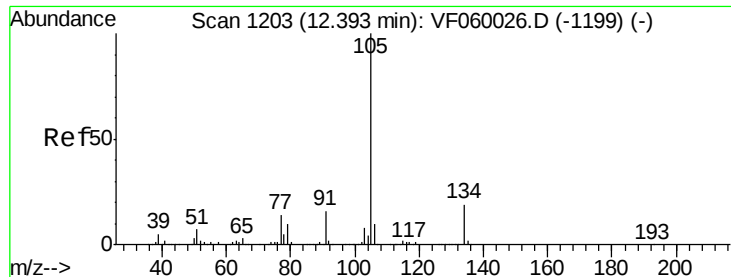
Tot Ion:119 Resp: 461598
 Ion Ratio Lower Upper
 119 100
 91 61.7 28.1 84.3
 134 23.1 11.1 33.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.29 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion:105 Resp: 489701
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.3 69.8

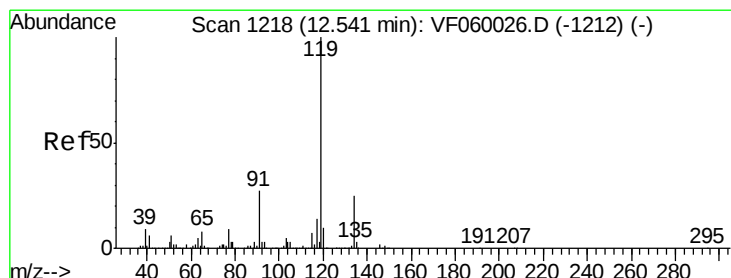
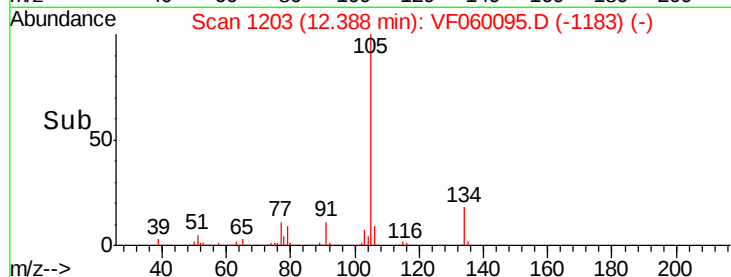
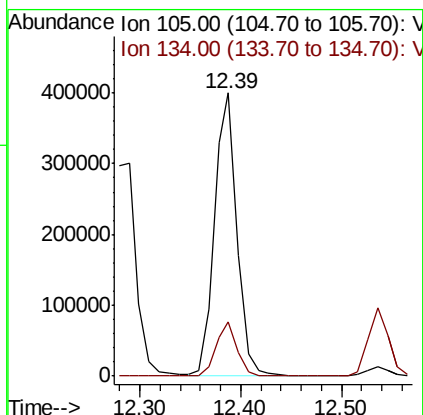
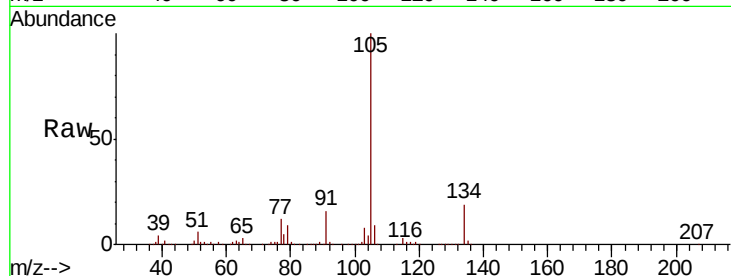




#85
 sec-Butylbenzene
 Concen: 51.67 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

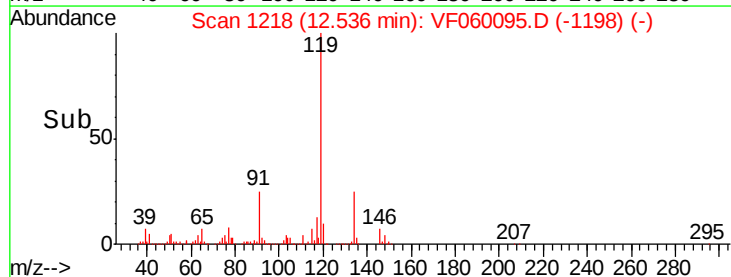
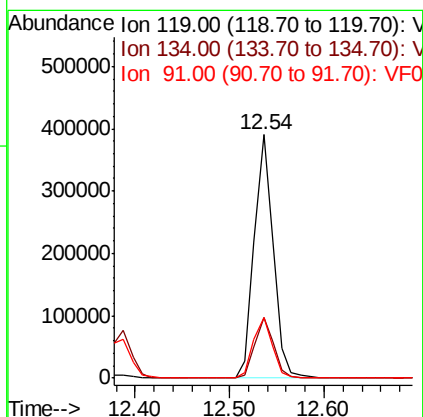
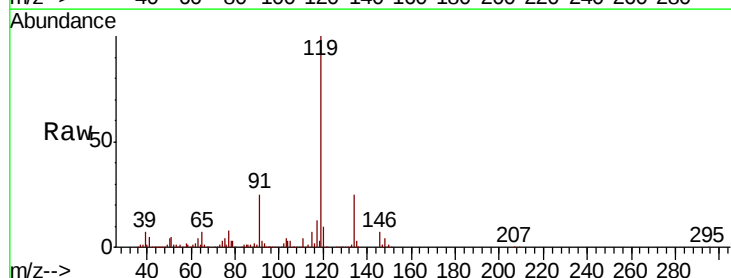
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

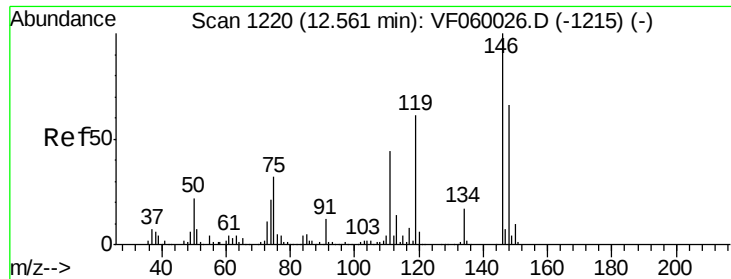
Tot Ion:105 Resp: 618103
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 54.92 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion:119 Resp: 544991
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.4 37.2
 91 25.1 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 53.55 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

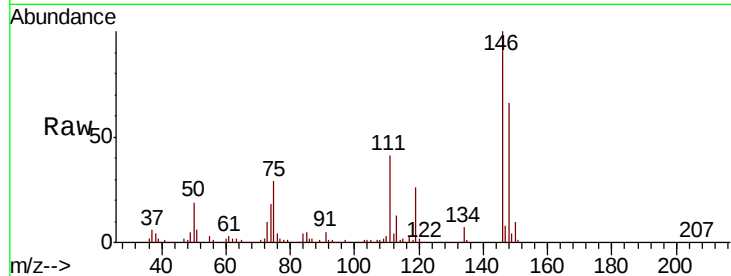
Tot Ion:146 Resp: 272300

Ion Ratio Lower Upper

146 100

111 41.2 21.9 65.5

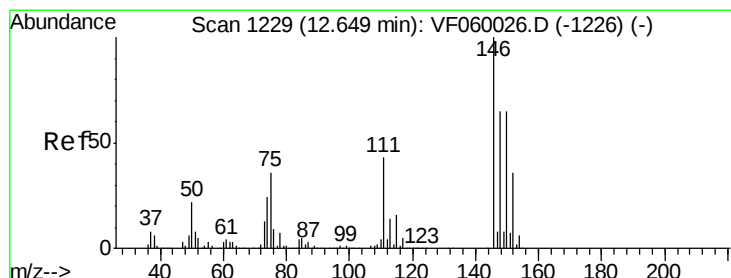
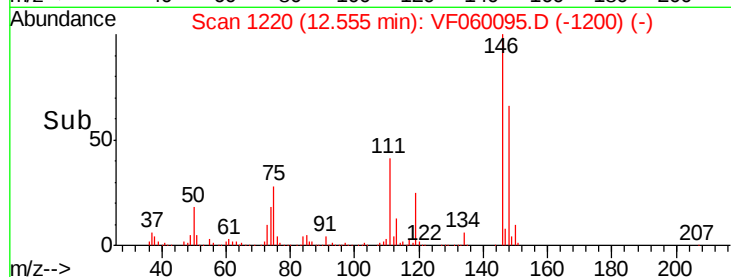
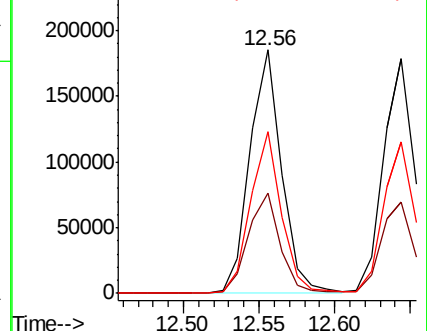
148 66.2 32.9 98.7



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: 52.29 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

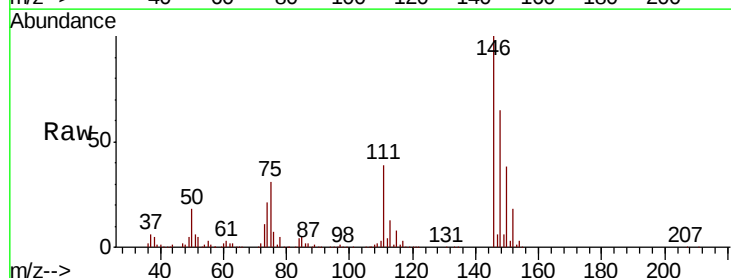
Tgt Ion:146 Resp: 264221

Ion Ratio Lower Upper

146 100

111 38.7 21.6 64.8

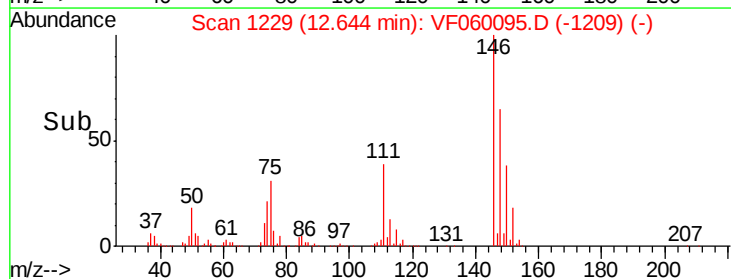
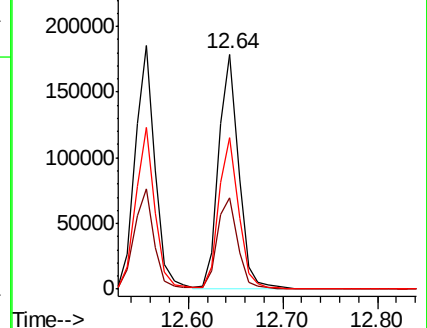
148 64.8 32.3 96.8

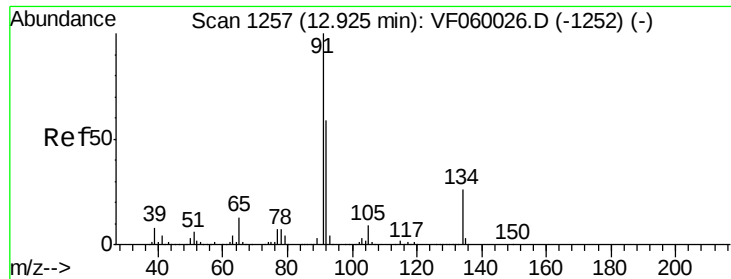


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 58.75 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

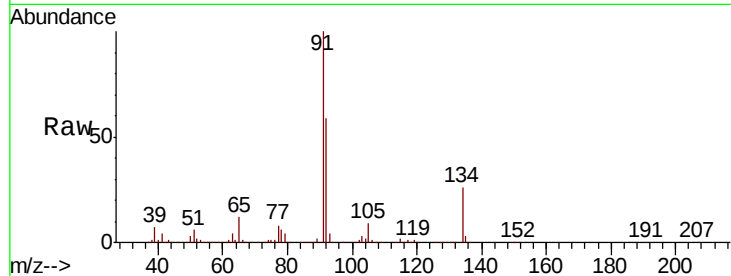
Tot Ion: 91 Resp: 566465

Ion Ratio Lower Upper

91 100

92 59.1 29.3 87.9

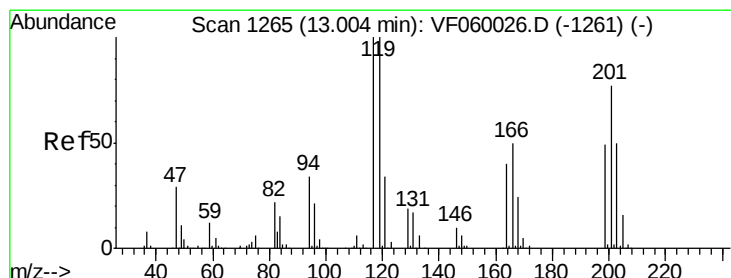
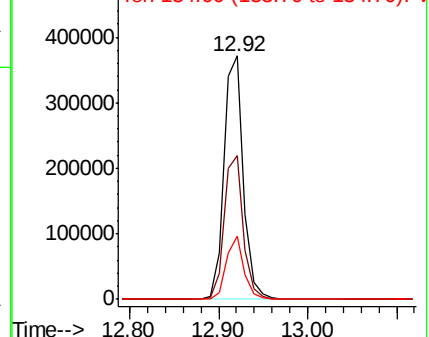
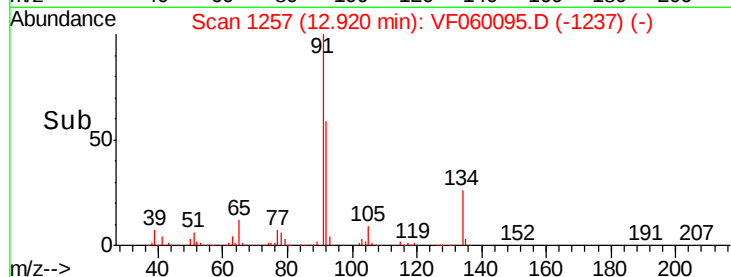
134 26.0 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.99 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF060095.D

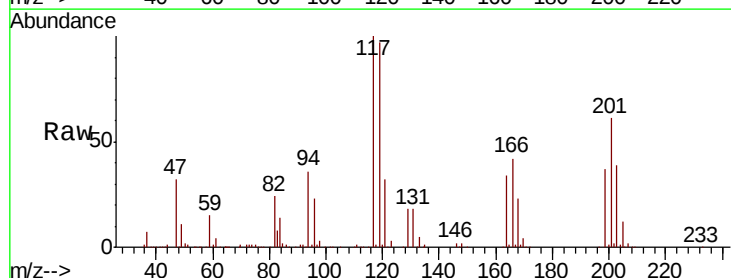
Acq: 24 Aug 2018 12:39

Tgt Ion: 117 Resp: 122625

Ion Ratio Lower Upper

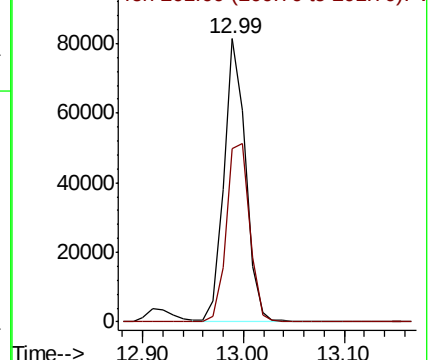
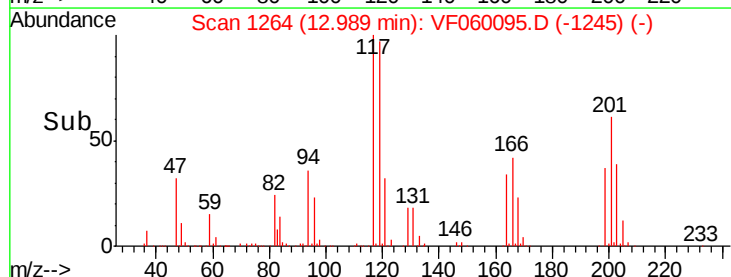
117 100

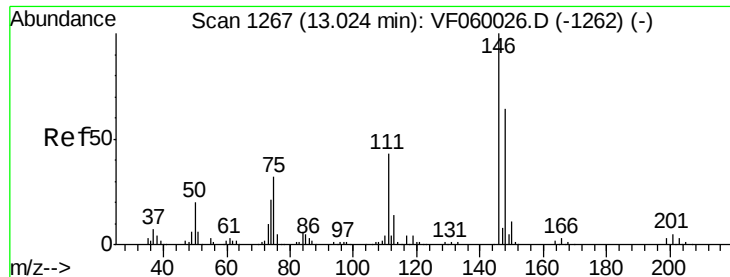
201 62.6 38.6 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 52.14 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

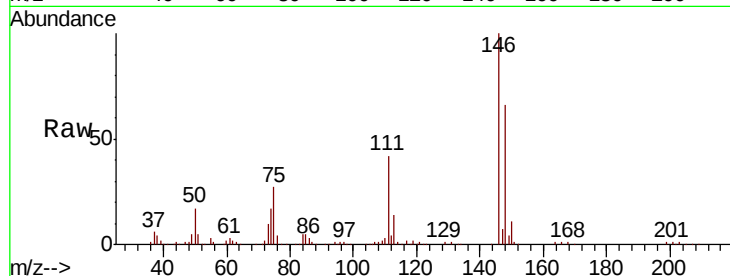
Tot Ion:146 Resp: 254973

Ion Ratio Lower Upper

146 100

111 42.1 21.6 64.6

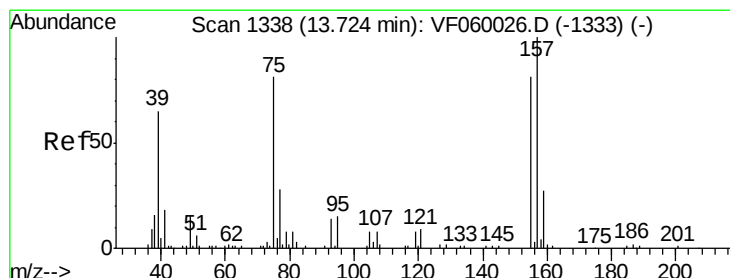
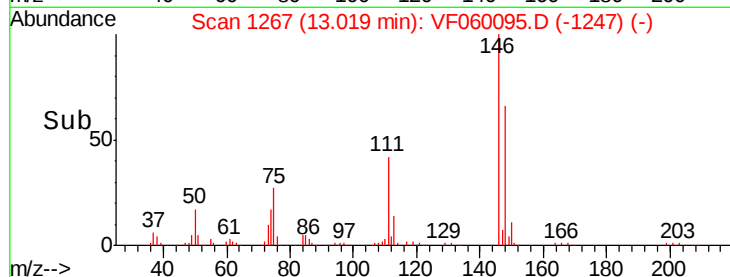
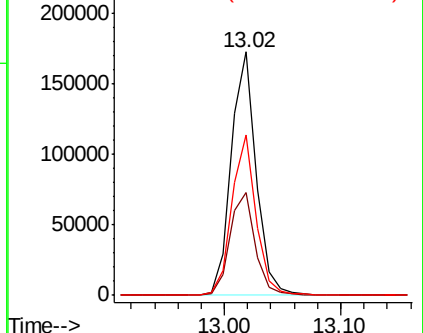
148 65.7 32.3 96.8



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: 50.07 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF060095.D

Acq: 24 Aug 2018 12:39

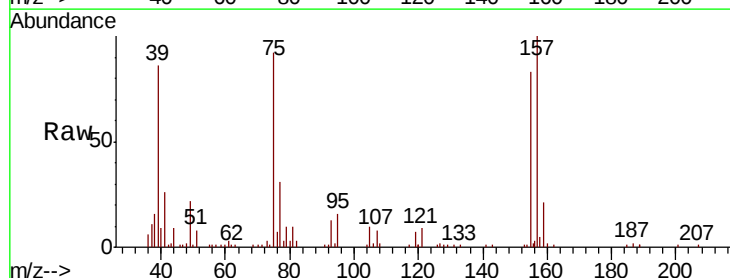
Tgt Ion: 75 Resp: 22594

Ion Ratio Lower Upper

75 100

155 92.7 49.8 149.3

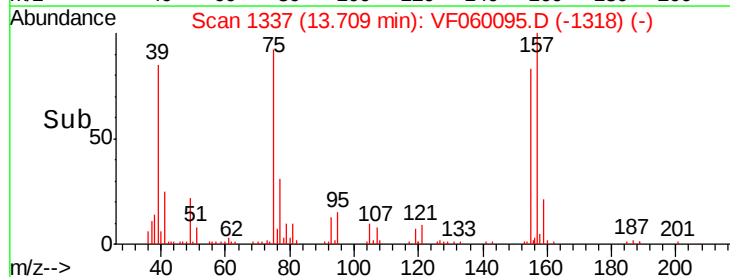
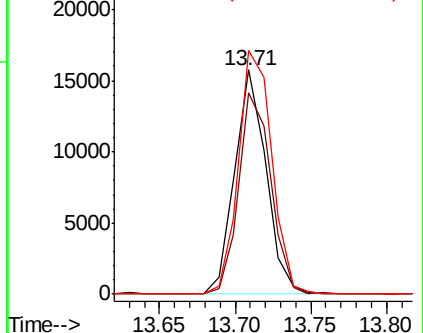
157 108.6 61.6 184.7

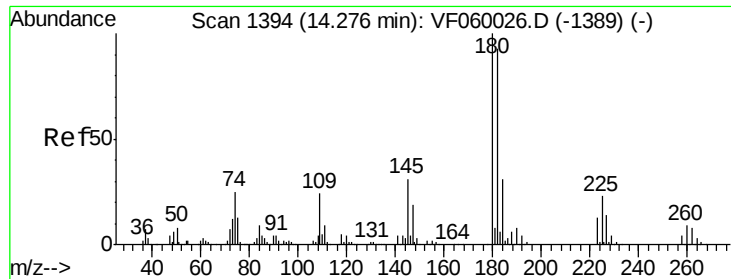


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

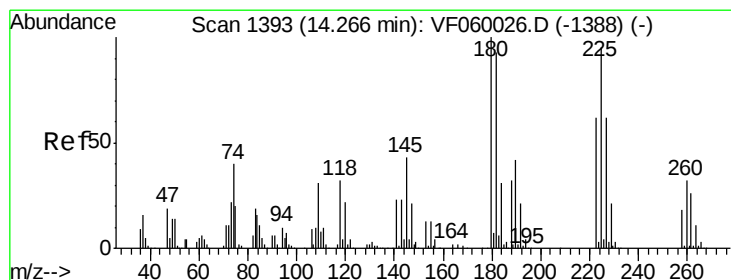
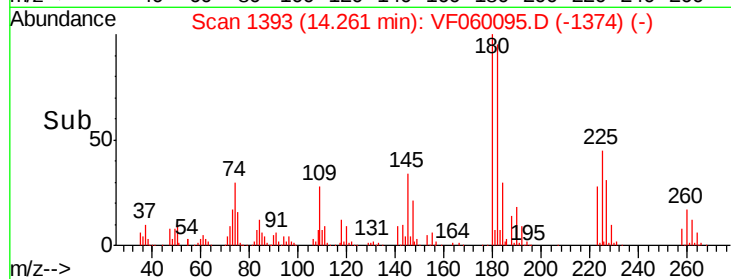
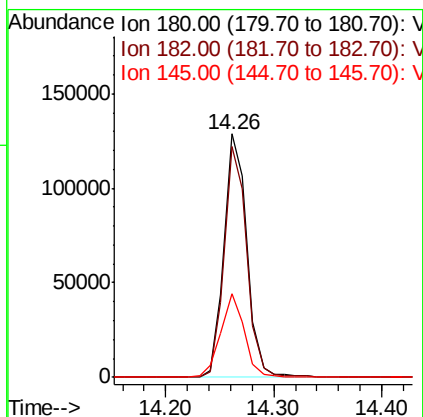
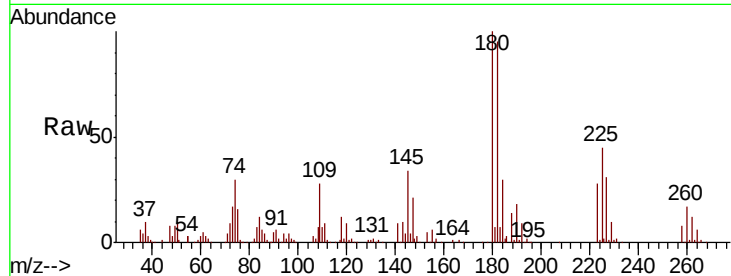




#93
 1,2,4-Trichlorobenzene
 Concen: 53.03 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

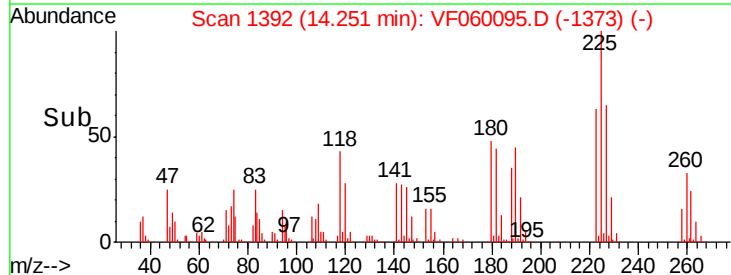
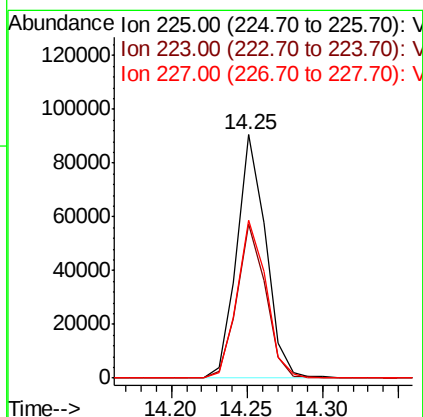
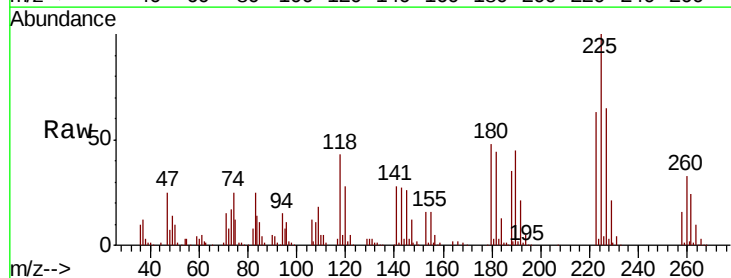
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

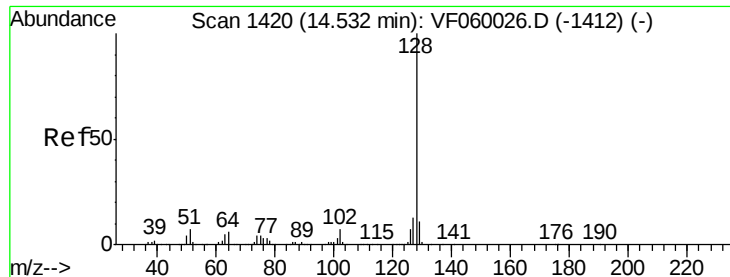
Tot Ion:180 Resp: 190971
 Ion Ratio Lower Upper
 180 100
 182 94.6 46.8 140.3
 145 34.2 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 53.74 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060095.D
 Acq: 24 Aug 2018 12:39

Tgt Ion:225 Resp: 120451
 Ion Ratio Lower Upper
 225 100
 223 63.3 32.6 97.8
 227 64.7 33.0 98.9

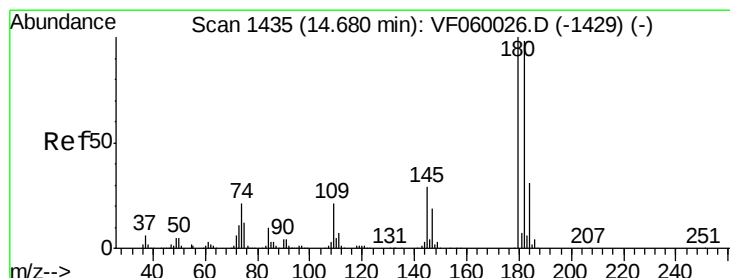
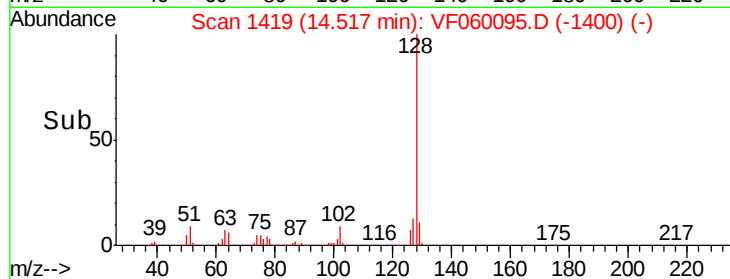
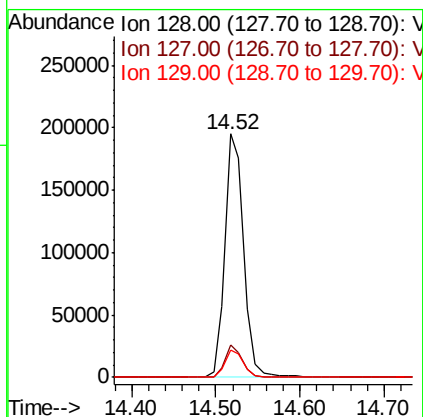
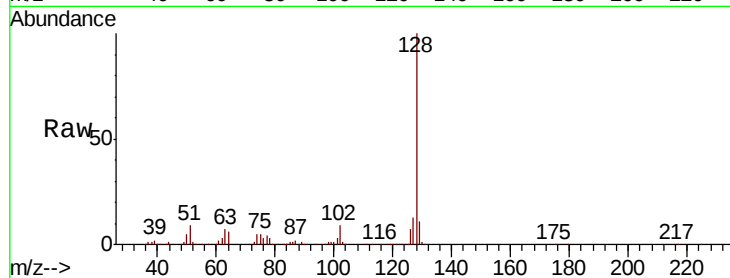




#95
Naphthalene
Concen: 48.35 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 53.09 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060095.D
Acq: 24 Aug 2018 12:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	49.0	147.2
145	32.9	14.4	43.2

