

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112218\
 Data File : VW006994.D
 Acq On : 21 Nov 2018 11:29
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 21 16:29:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	122514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	188388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	177474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88370	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	56401	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	7.88	113	52563	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.32	98	243790	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.62	95	93035	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	60971	50.40	ug/l	98
3) Chloromethane	2.21	50	53701	53.27	ug/l	99
4) Vinyl Chloride	2.36	62	53891	54.33	ug/l	99
5) Bromomethane	2.78	94	28552	53.93	ug/l	92
6) Chloroethane	2.92	64	29720	54.36	ug/l	99
7) Trichlorofluoromethane	3.26	101	98157	50.33	ug/l	98
8) Diethyl Ether	3.69	74	29563	47.04	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	60475	47.83	ug/l	100
10) Methyl Iodide	4.28	142	67673	46.76	ug/l	100
11) Tert butyl alcohol	5.20	59	18032	230.94	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	56056	50.55	ug/l	96
13) Acrolein	3.90	56	20704	258.19	ug/l	100
14) Allyl chloride	4.68	41	92686	50.39	ug/l	99
15) Acrylonitrile	5.37	53	57692	244.26	ug/l	99
16) Acetone	4.14	43	38972	223.79	ug/l	100
17) Carbon Disulfide	4.39	76	185696	51.80	ug/l	100
18) Methyl Acetate	4.67	43	27819	44.86	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	138008	47.66	ug/l	99
20) Methylene Chloride	4.92	84	67325	48.33	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	62780	48.60	ug/l	97
22) Diisopropyl ether	6.31	45	174491	48.74	ug/l	98
23) Vinyl Acetate	6.26	43	473353	248.99	ug/l	99
24) 1,1-Dichloroethane	6.22	63	105057	48.24	ug/l	99
25) 2-Butanone	7.18	43	68751	230.51	ug/l	94
26) 2,2-Dichloropropane	7.17	77	97386	49.73	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	66035	48.00	ug/l	98
28) Bromochloromethane	7.52	49	40207	49.40	ug/l #	97
29) Tetrahydrofuran	7.53	42	45626	236.20	ug/l	97
30) Chloroform	7.68	83	108178	46.75	ug/l	99
31) Cyclohexane	7.96	56	112118	48.54	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	103610	49.72	ug/l	99
36) 1,1-Dichloropropene	8.08	75	94234	51.19	ug/l	100
37) Ethyl Acetate	7.26	43	31860	47.76	ug/l	98
38) Carbon Tetrachloride	8.07	117	90311	51.23	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	118802	51.57	ug/l	96
40) Benzene	8.32	78	254032	51.12	ug/l	98
41) Methacrylonitrile	7.48	41	20288	48.97	ug/l	95
42) 1,2-Dichloroethane	8.40	62	68682	47.61	ug/l	100
43) Isopropyl Acetate	8.43	43	62559	49.21	ug/l	99
44) Trichloroethene	9.09	130	70122	50.34	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61076	49.86	ug/l	99
46) Dibromomethane	9.46	93	29744	48.49	ug/l	99
47) Bromodichloromethane	9.65	83	79502	49.19	ug/l	97
48) Methyl methacrylate	9.43	41	30510	49.77	ug/l	99
49) 1,4-Dioxane	9.46	88	9810	1075.92	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	158786	247.16	ug/l	99
52) Toluene	10.39	92	177140	52.38	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	79092	50.52	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	95793	50.64	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	42728	47.34	ug/l	98
56) Ethyl methacrylate	10.65	69	55255	52.74	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73735	48.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	122757	224.23	ug/l	99
59) 2-Hexanone	10.97	43	114794	260.93	ug/l	100
60) Dibromochloromethane	11.13	129	51388	49.97	ug/l	98
61) 1,2-Dibromoethane	11.24	107	40379	48.91	ug/l	99
64) Tetrachloroethene	10.87	164	58278	51.04	ug/l	97
65) Chlorobenzene	11.66	112	189164	51.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57183	51.03	ug/l	100
67) Ethyl Benzene	11.73	91	355961	52.31	ug/l	98
68) m/p-Xylenes	11.84	106	276294	103.49	ug/l	100
69) o-Xylene	12.17	106	130218	51.73	ug/l	100
70) Styrene	12.18	104	207391	51.76	ug/l	99
71) Bromoform	12.35	173	26829	50.83	ug/l #	100
73) Isopropylbenzene	12.47	105	359632	52.36	ug/l	99
74) N-amyl acetate	12.27	43	60366	52.44	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	45308	49.57	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	62561	90.09	ug/l #	100
77) Bromobenzene	12.75	156	74635	50.60	ug/l	99
78) n-propylbenzene	12.81	91	432418	51.98	ug/l	99
79) 2-Chlorotoluene	12.90	91	243803	50.83	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	307508	51.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13913	50.30	ug/l	95
82) 4-Chlorotoluene	12.99	91	258544	51.36	ug/l	99
83) tert-Butylbenzene	13.21	119	266114	51.75	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	304049	51.38	ug/l	98
85) sec-Butylbenzene	13.39	105	375997	51.76	ug/l	99
86) p-Isopropyltoluene	13.51	119	333158	51.99	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	153678	51.03	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	153561	51.14	ug/l	99
89) n-Butylbenzene	13.83	91	318117	52.75	ug/l	99
90) Hexachloroethane	14.10	117	48618	51.96	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	135466	51.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7814	50.62	ug/l	95

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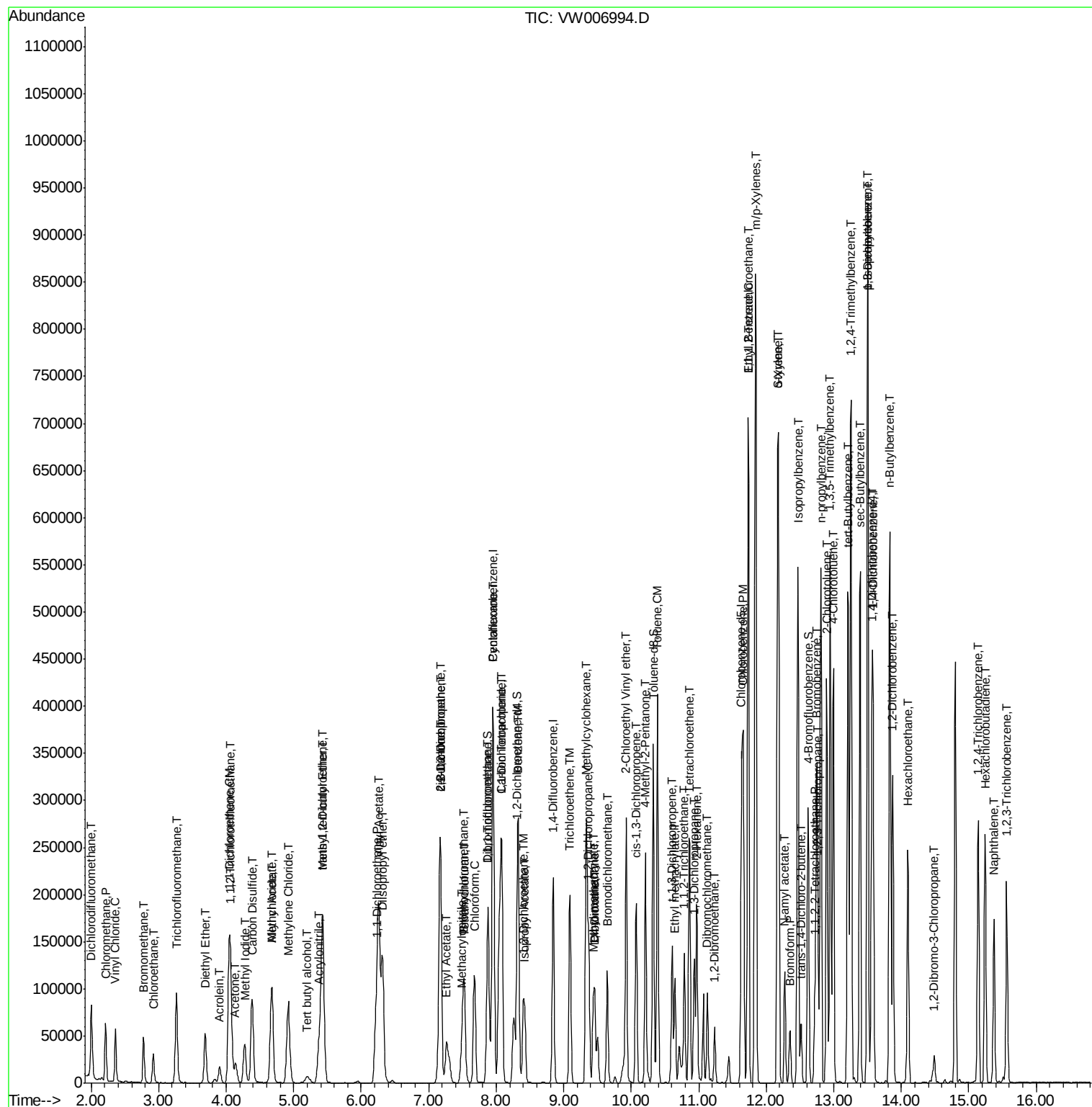
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	87230	50.13	ug/l	100
94) Hexachlorobutadiene	15.24	225	48025	50.77	ug/l	98
95) Naphthalene	15.38	128	156658	49.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	73120	50.65	ug/l	99

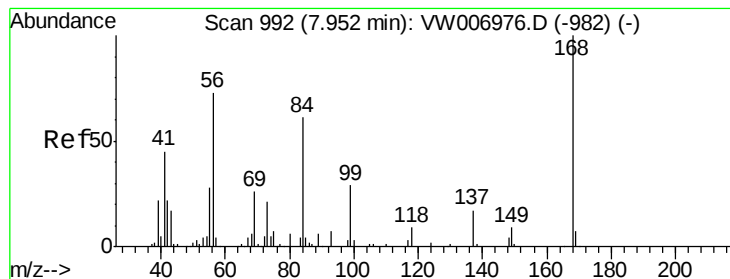
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

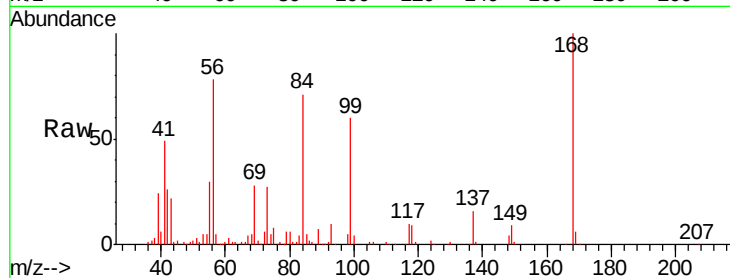
VSTDCCC050

Tgt Ion:168 Resp: 122514

Ion Ratio Lower Upper

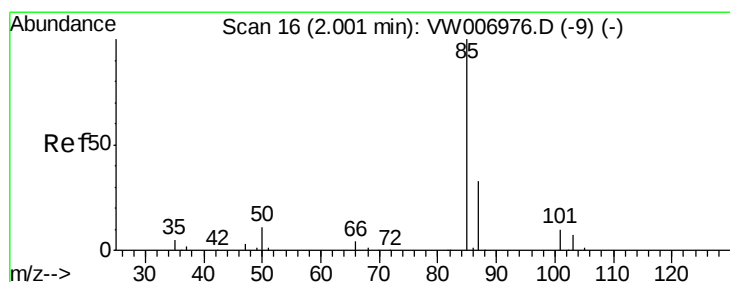
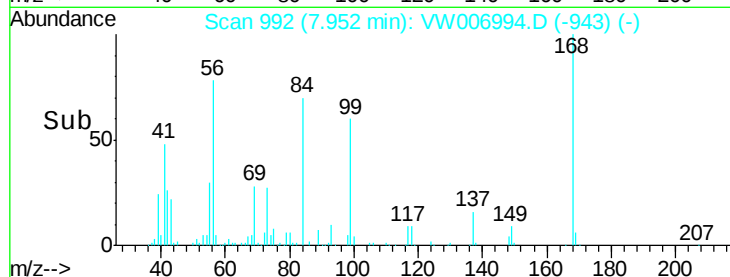
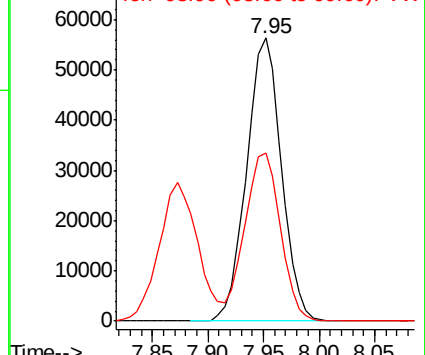
168 100

99 59.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 50.40 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006994.D

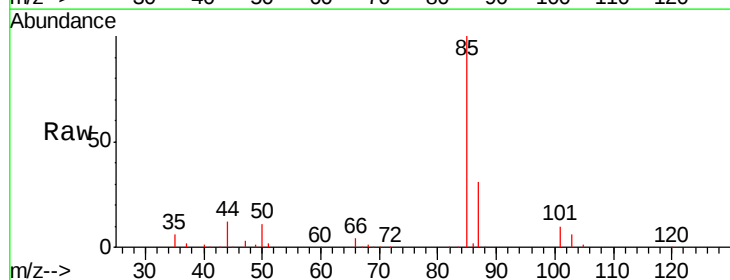
Acq: 21 Nov 2018 11:29

Tgt Ion: 85 Resp: 60971

Ion Ratio Lower Upper

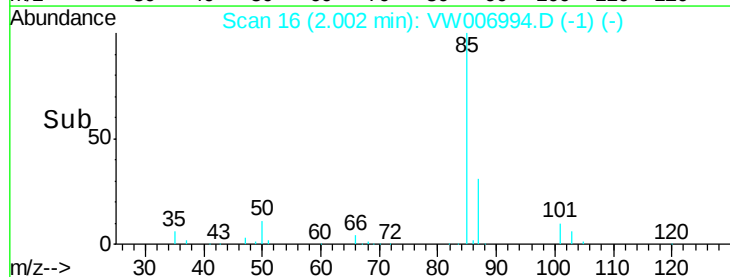
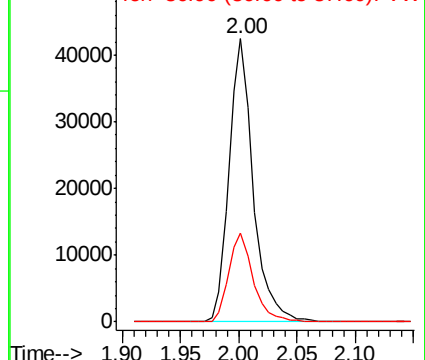
85 100

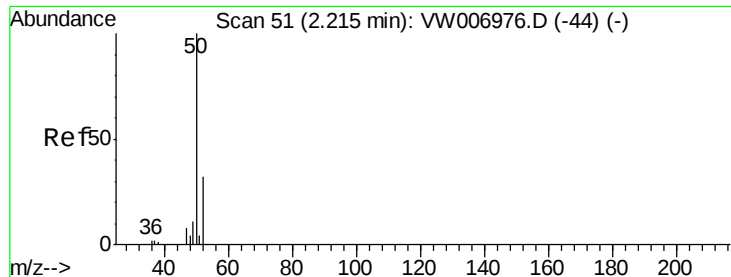
87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

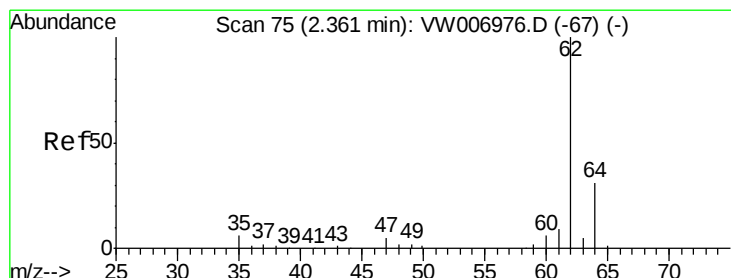
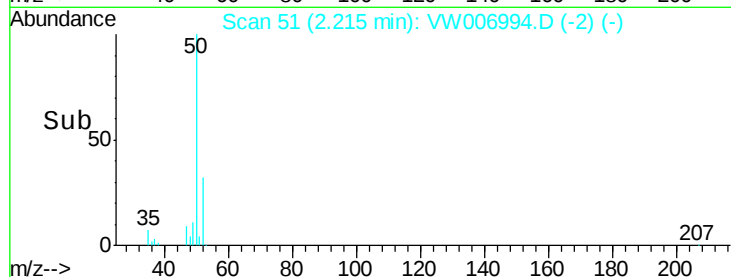
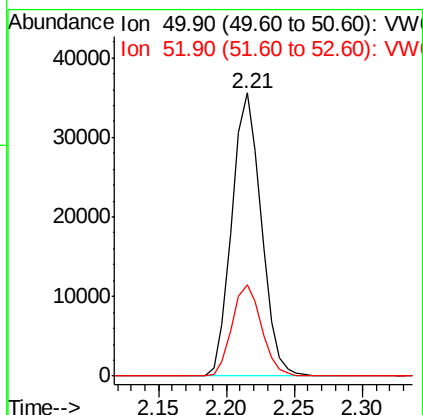
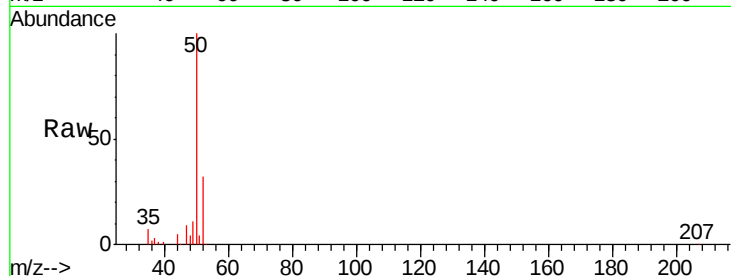




#3
Chloromethane
Concen: 53.27 ug/l
RT: 2.21 min Scan# 51
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

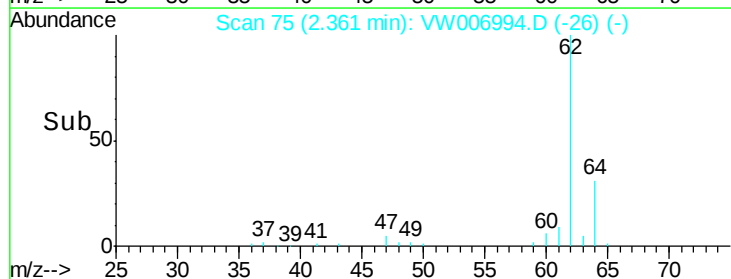
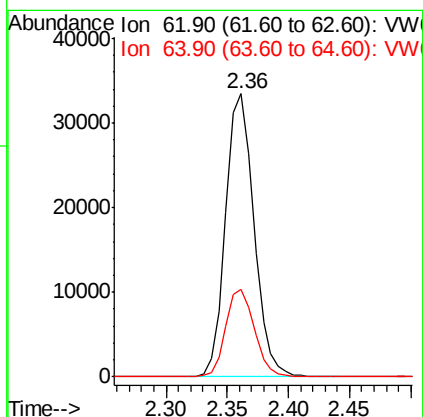
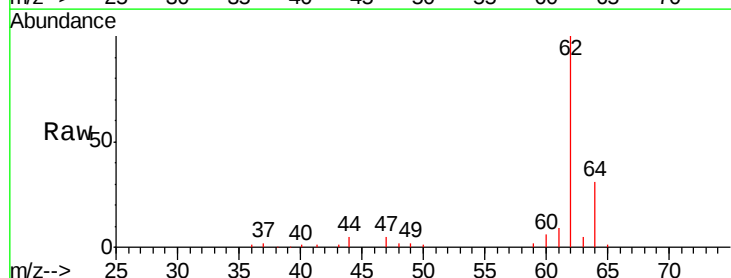
Instrument :
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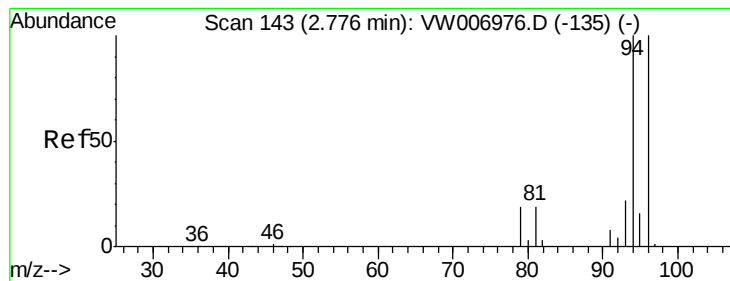
Tgt Ion: 50 Resp: 53701
Ion Ratio Lower Upper
50 100
52 32.4 25.7 38.5



#4
Vinyl Chloride
Concen: 54.33 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion: 62 Resp: 53891
Ion Ratio Lower Upper
62 100
64 30.9 25.2 37.8





#5

Bromomethane

Concen: 53.93 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

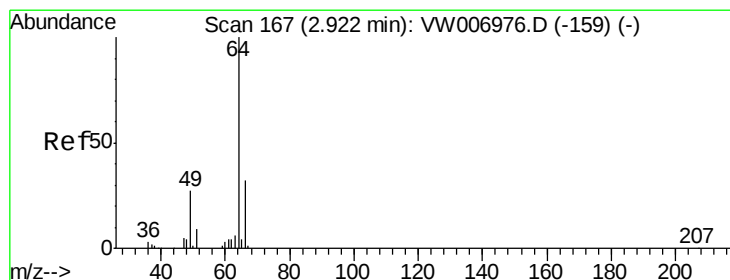
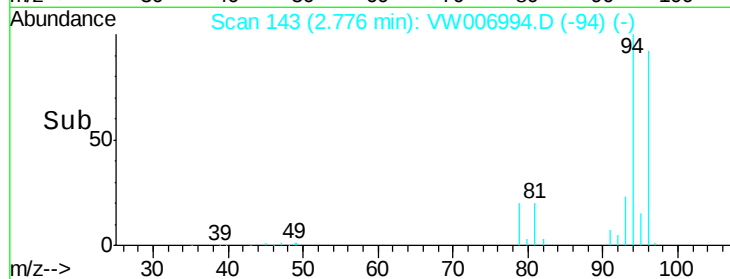
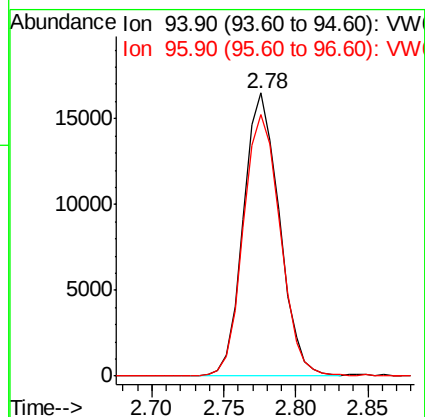
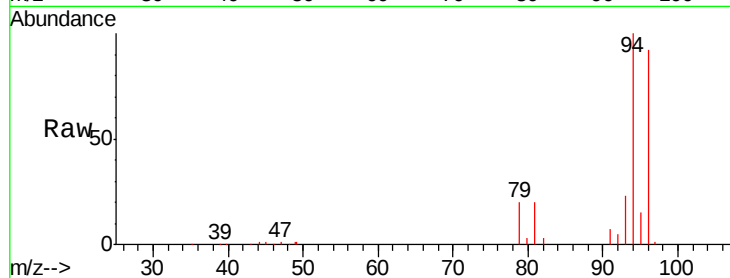
VSTDCCC050

Tgt Ion: 94 Resp: 28552

Ion Ratio Lower Upper

94 100

96 92.4 80.2 120.2



#6

Chloroethane

Concen: 54.36 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006994.D

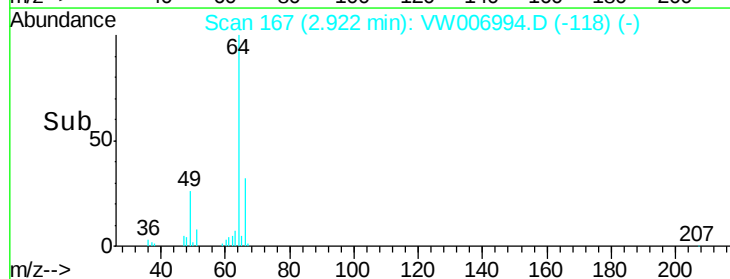
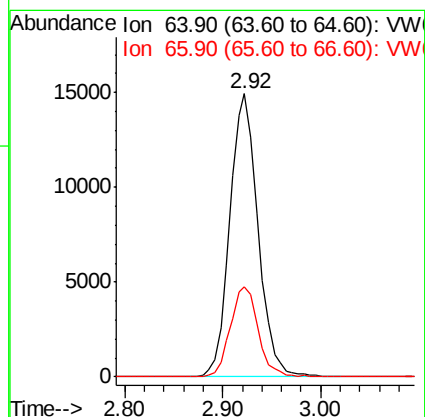
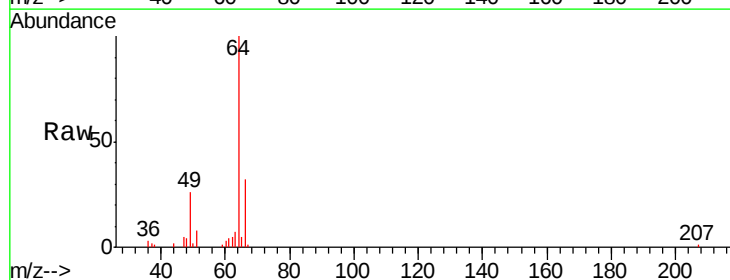
Acq: 21 Nov 2018 11:29

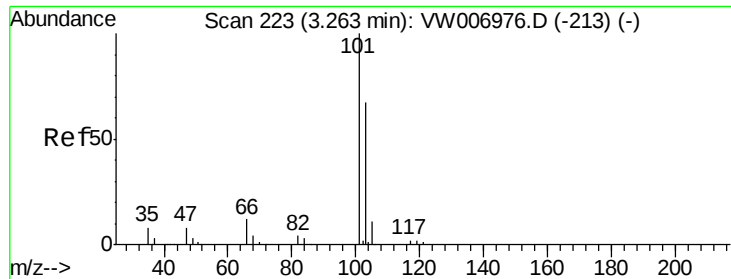
Tgt Ion: 64 Resp: 29720

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9





#7

Trichlorofluoromethane

Concen: 50.33 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

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ClientSampleId :

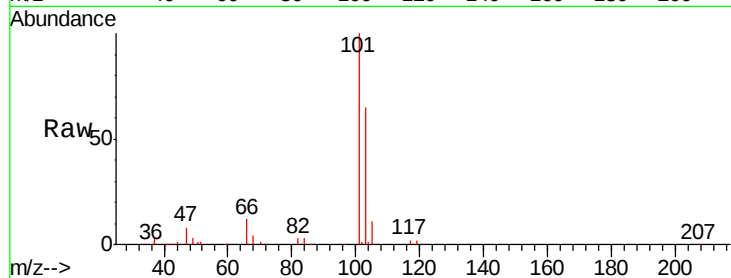
VSTDCCC050

Tgt Ion:101 Resp: 98157

Ion Ratio Lower Upper

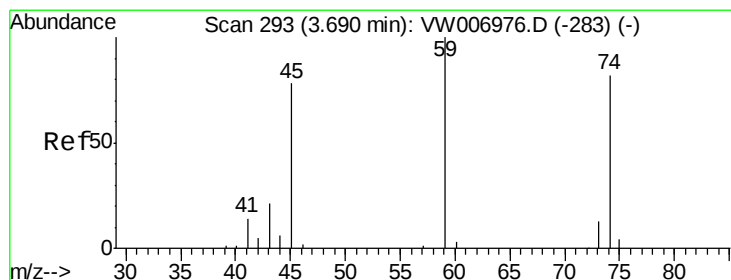
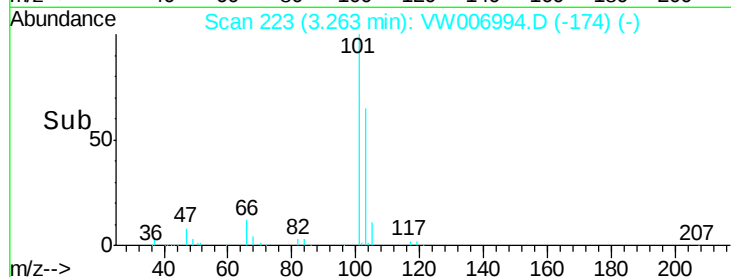
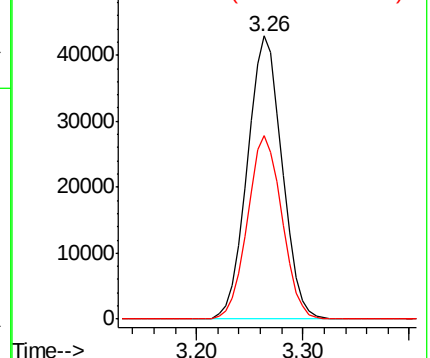
101 100

103 64.9 53.4 80.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.04 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW006994.D

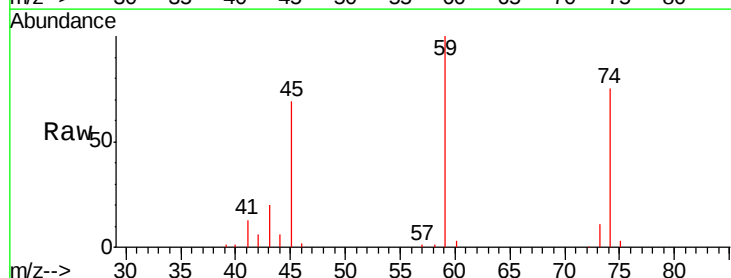
Acq: 21 Nov 2018 11:29

Tgt Ion: 74 Resp: 29563

Ion Ratio Lower Upper

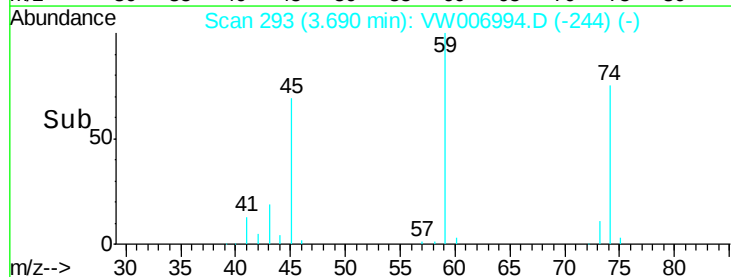
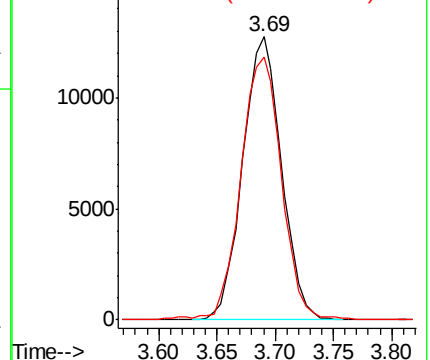
74 100

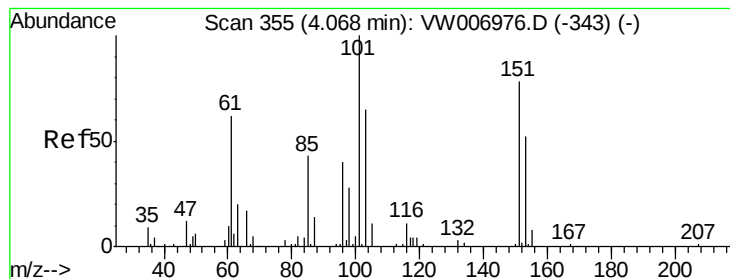
45 97.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.83 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

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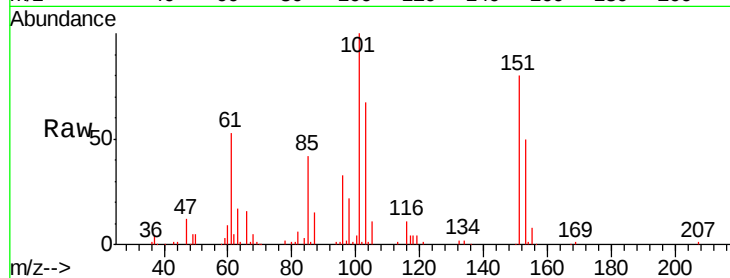
Tgt Ion:101 Resp: 60475

Ion Ratio Lower Upper

101 100

85 42.7 34.3 51.5

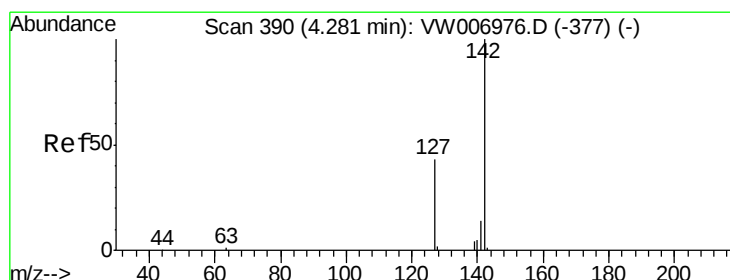
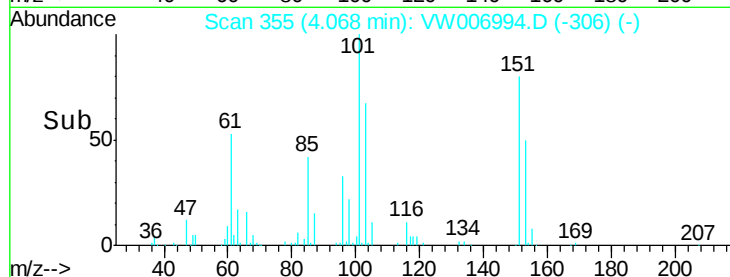
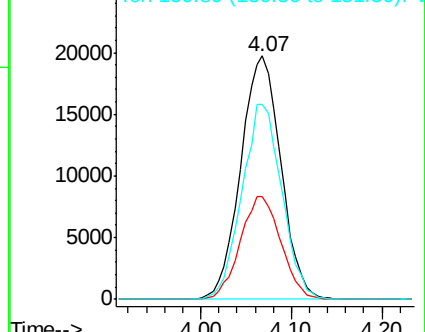
151 79.8 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.76 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

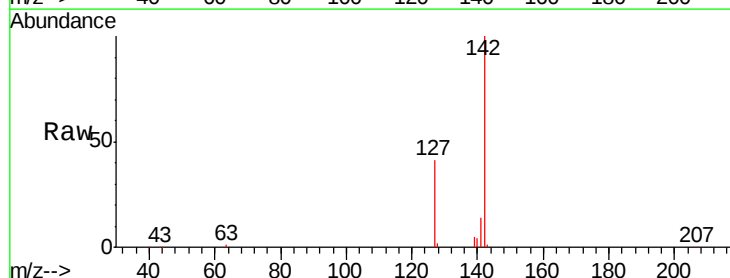
Tgt Ion:142 Resp: 67673

Ion Ratio Lower Upper

142 100

127 43.9 35.3 52.9

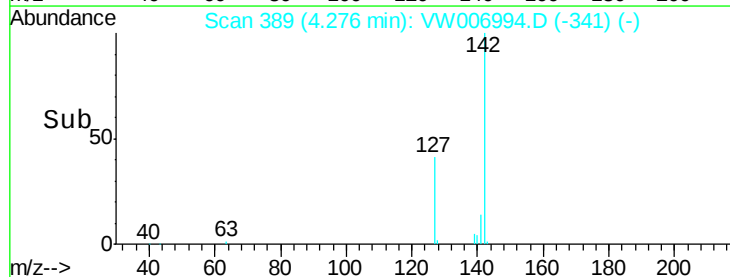
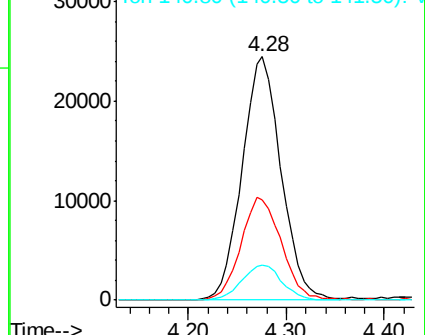
141 14.7 11.7 17.5

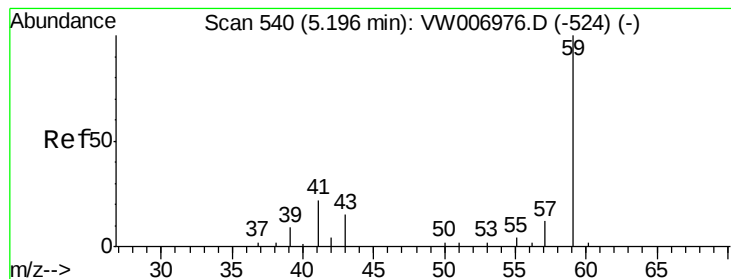


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



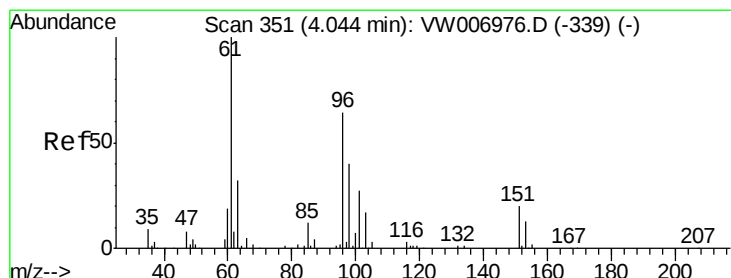
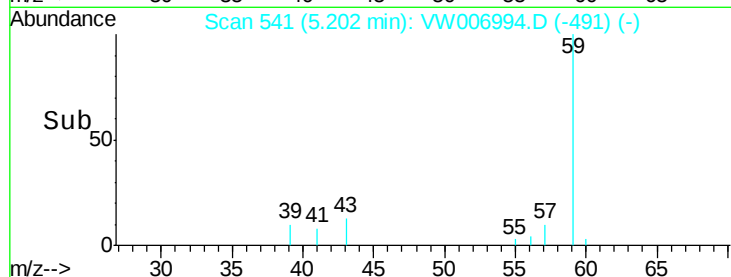
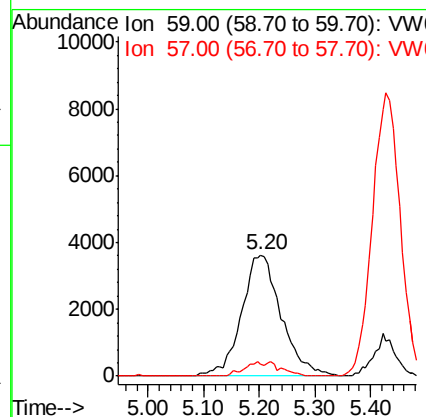
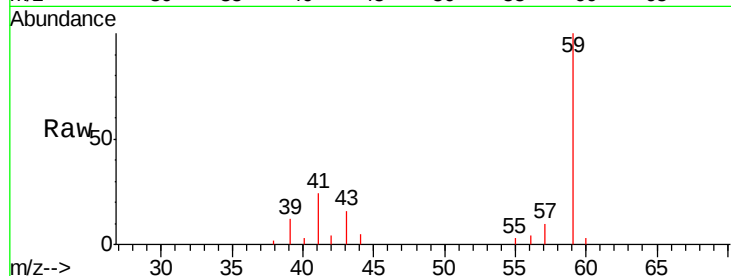


#11

Tert butyl alcohol
 Concen: 230.94 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

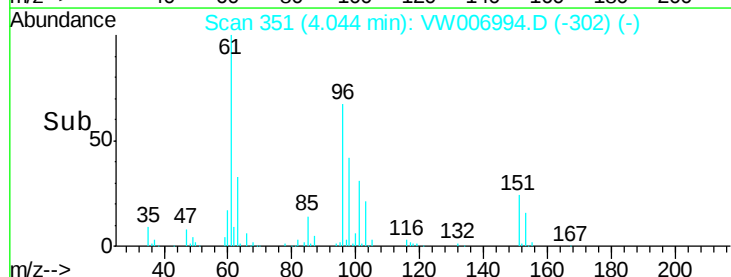
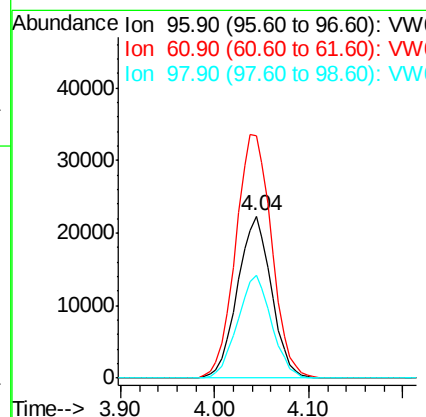
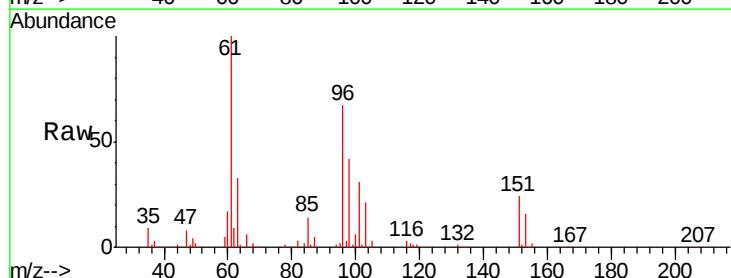
Tgt Ion: 59 Resp: 18032
 Ion Ratio Lower Upper
 59 100
 57 5.9 8.6 13.0#

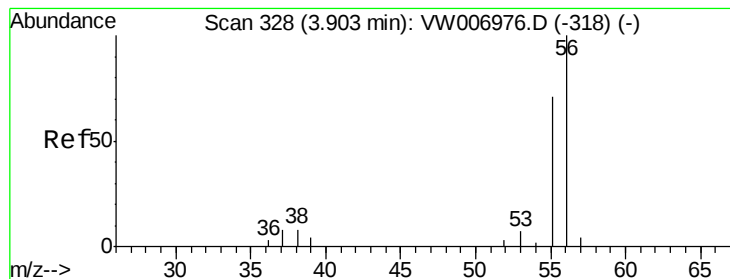


#12

1,1-Dichloroethene
 Concen: 50.55 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 96 Resp: 56056
 Ion Ratio Lower Upper
 96 100
 61 149.9 124.3 186.5
 98 63.6 49.4 74.2





#13

Acrolein

Concen: 258.19 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

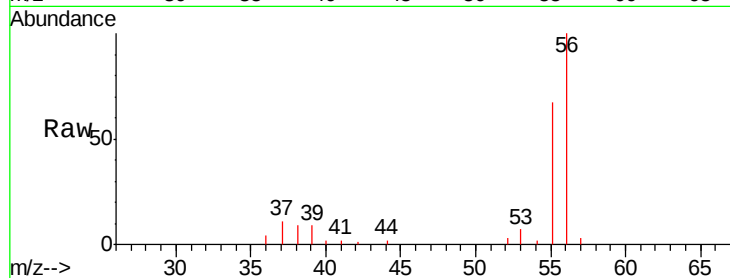
VSTDCCC050

Tgt Ion: 56 Resp: 20704

Ion Ratio Lower Upper

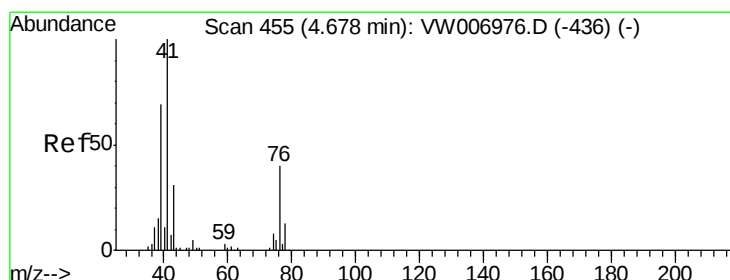
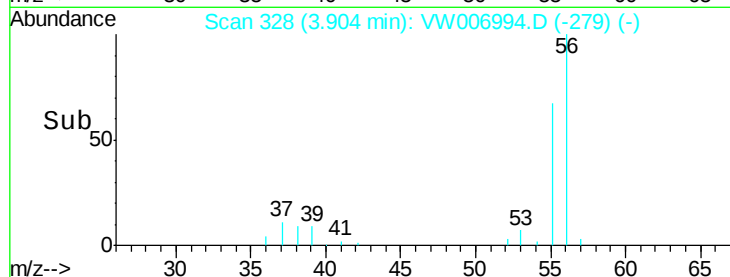
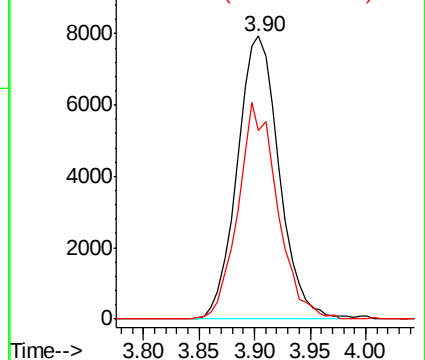
56 100

55 72.0 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.39 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

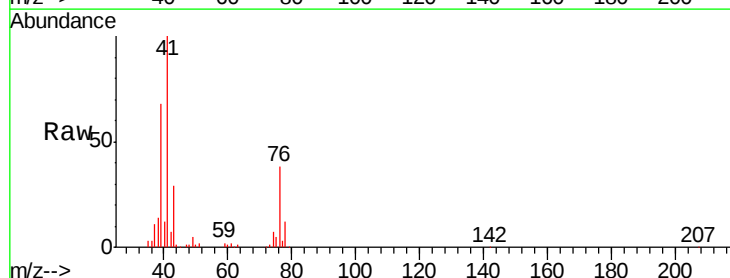
Tgt Ion: 41 Resp: 92686

Ion Ratio Lower Upper

41 100

39 69.0 55.4 83.2

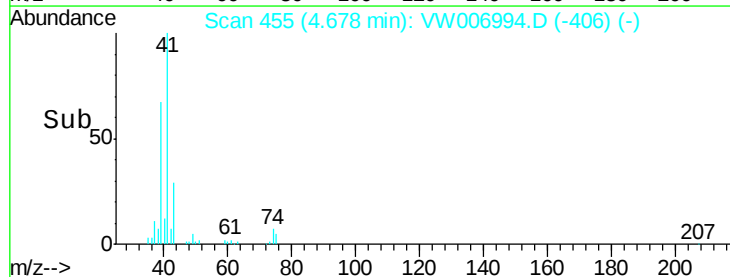
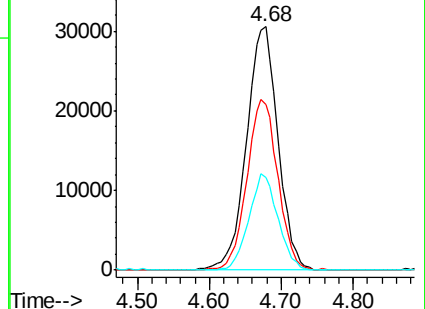
76 36.5 29.6 44.4

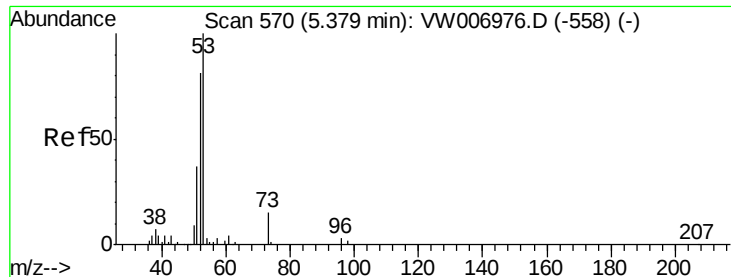


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 244.26 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

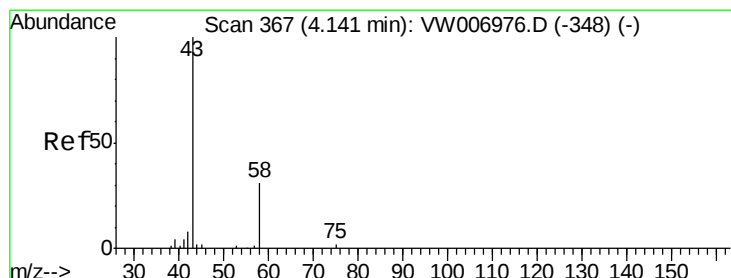
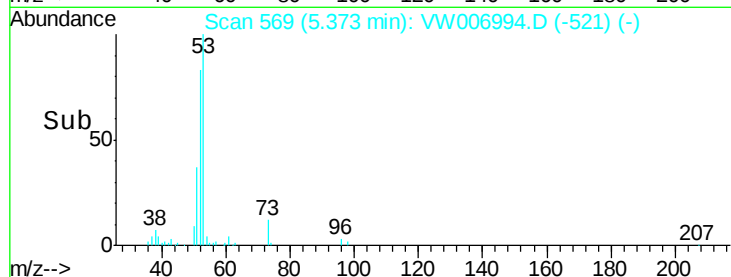
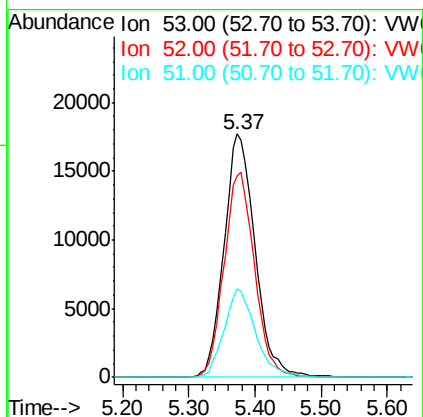
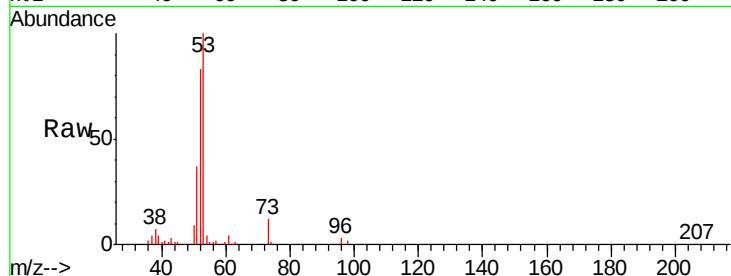
Tgt Ion: 53 Resp: 57692

Ion Ratio Lower Upper

53 100

52 82.5 65.7 98.5

51 37.0 29.9 44.9



#16

Acetone

Concen: 223.79 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW006994.D

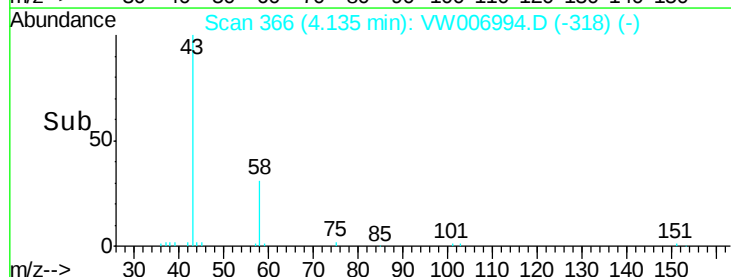
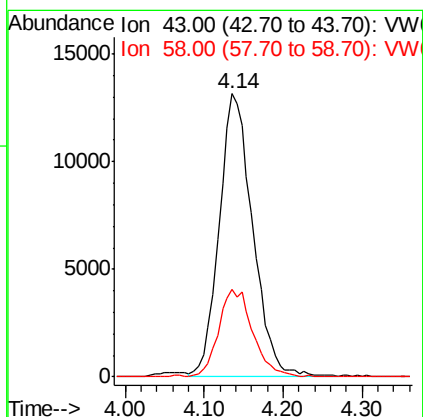
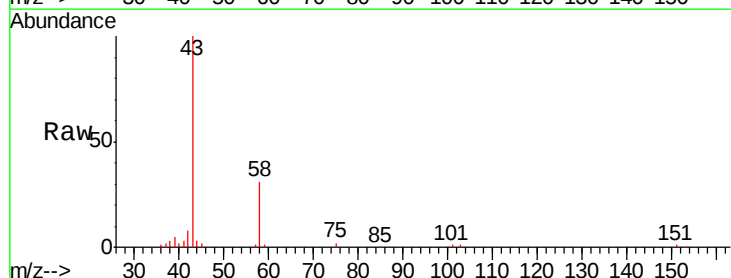
Acq: 21 Nov 2018 11:29

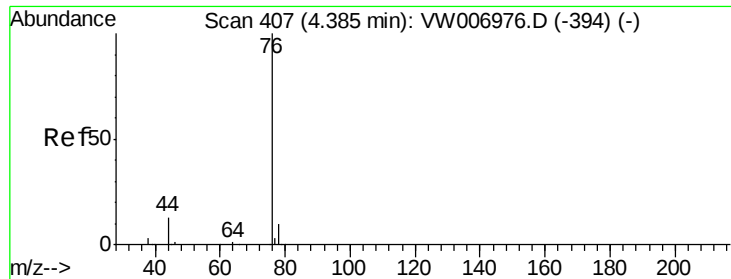
Tgt Ion: 43 Resp: 38972

Ion Ratio Lower Upper

43 100

58 30.8 24.8 37.2

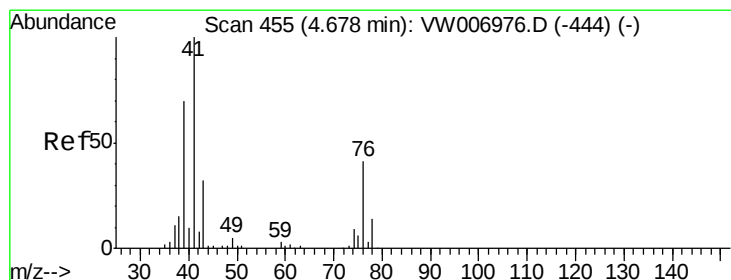
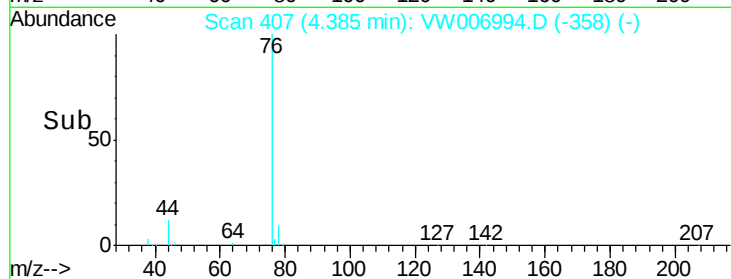
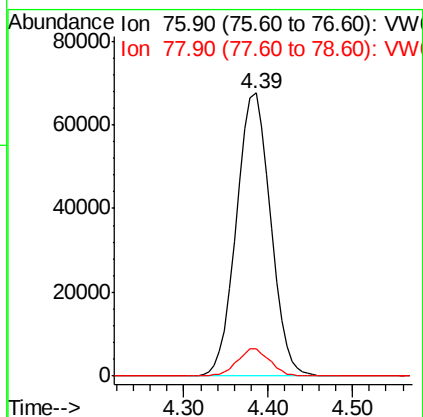
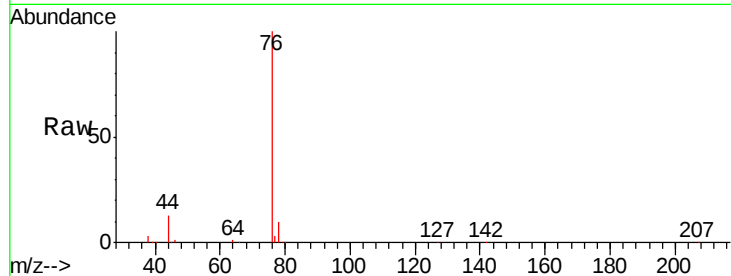




#17
Carbon Disulfide
Concen: 51.80 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

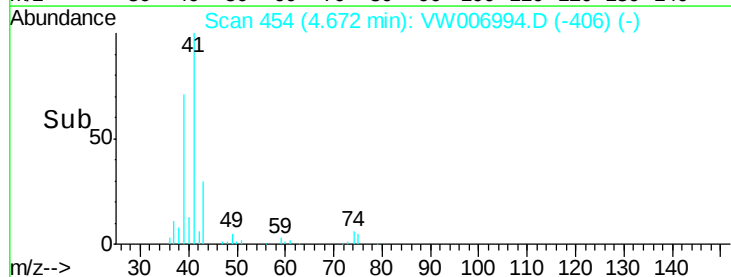
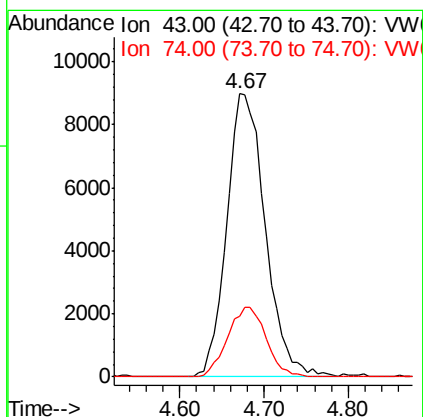
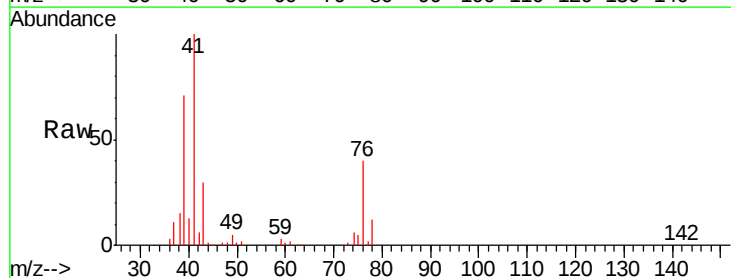
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

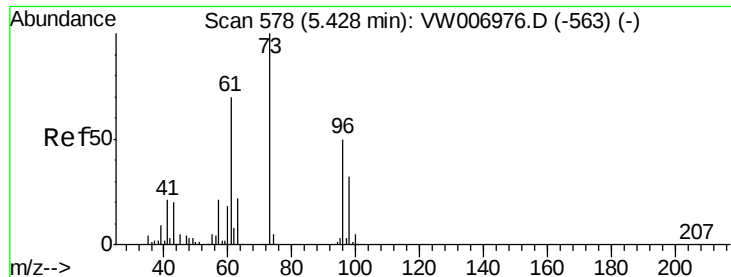
Tgt Ion: 76 Resp: 185696
Ion Ratio Lower Upper
76 100
78 9.8 7.8 11.6



#18
Methyl Acetate
Concen: 44.86 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion: 43 Resp: 27819
Ion Ratio Lower Upper
43 100
74 24.6 20.1 30.1

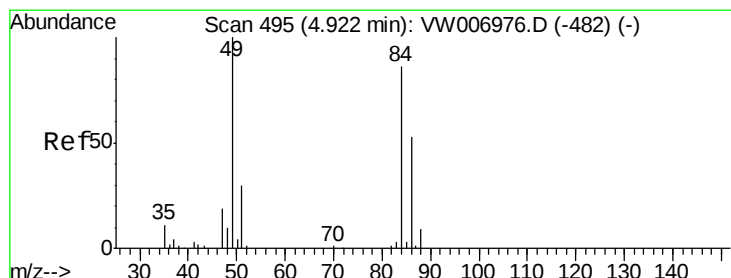
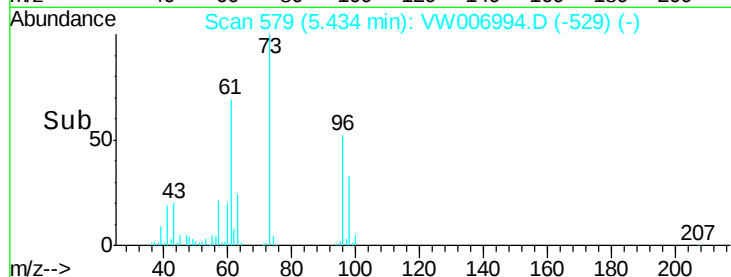
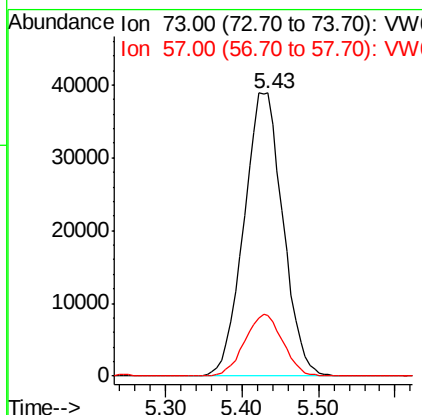
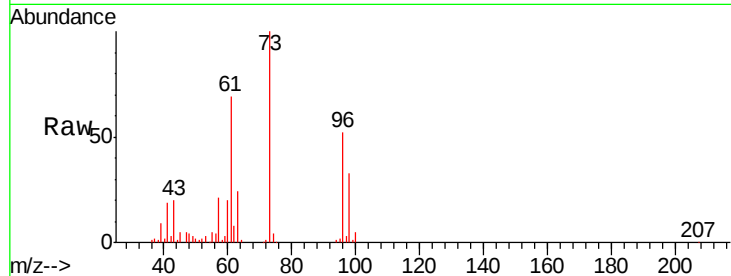




#19
Methyl tert-butyl Ether
Concen: 47.66 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

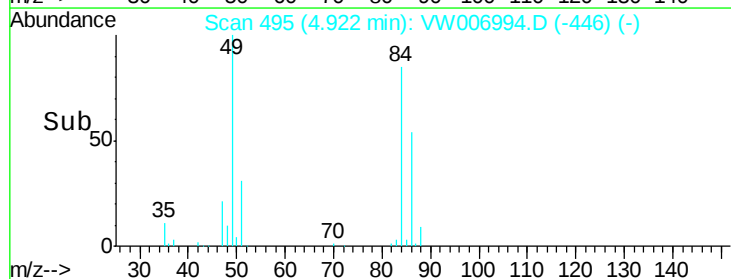
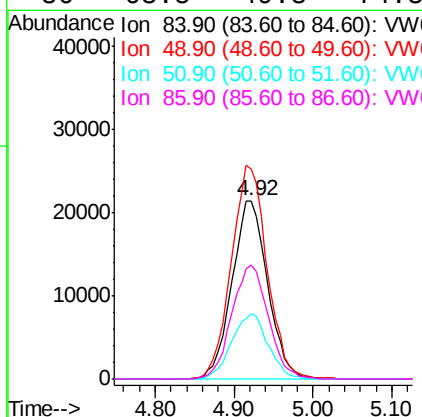
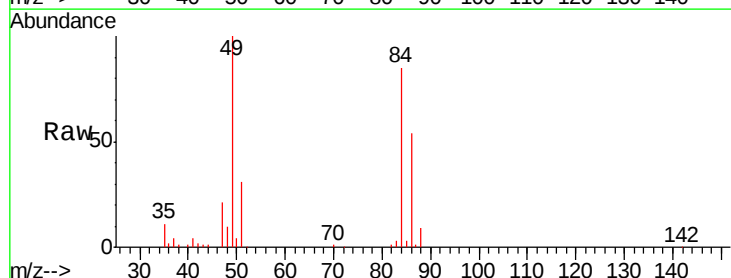
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

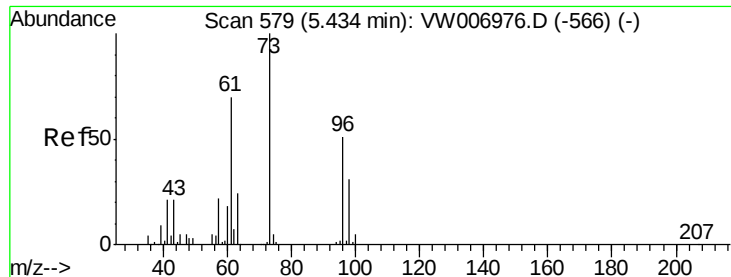
Tgt Ion: 73 Resp: 138008
Ion Ratio Lower Upper
73 100
57 21.2 16.7 25.1



#20
Methylene Chloride
Concen: 48.33 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion: 84 Resp: 67325
Ion Ratio Lower Upper
84 100
49 117.5 93.4 140.0
51 36.4 28.4 42.6
86 63.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 48.60 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

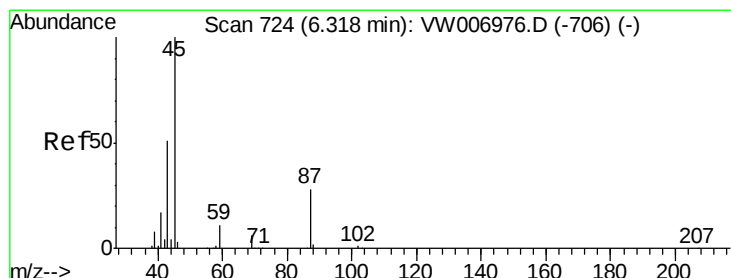
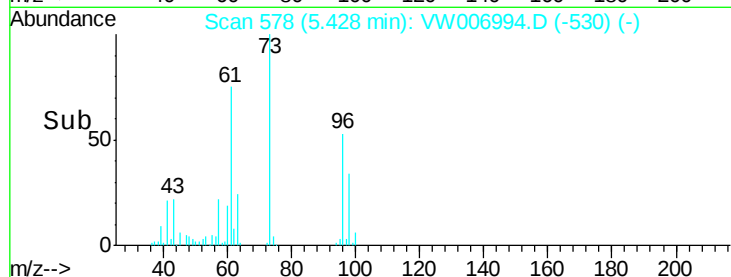
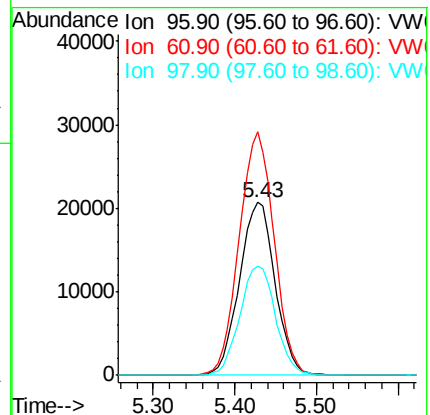
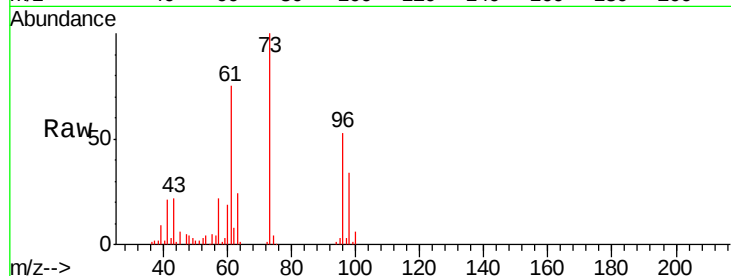
Tgt Ion: 96 Resp: 62780

Ion Ratio Lower Upper

96 100

61 140.7 109.4 164.0

98 62.8 48.3 72.5



#22

Diisopropyl ether

Concen: 48.74 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Tgt Ion: 45 Resp: 174491

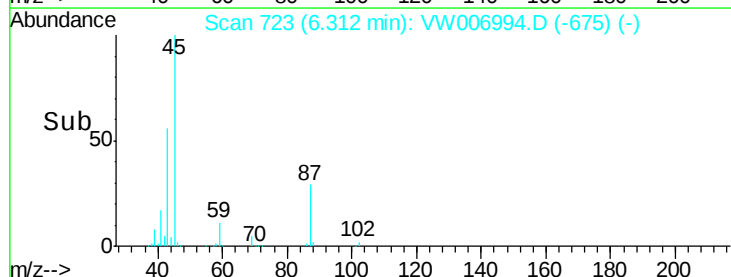
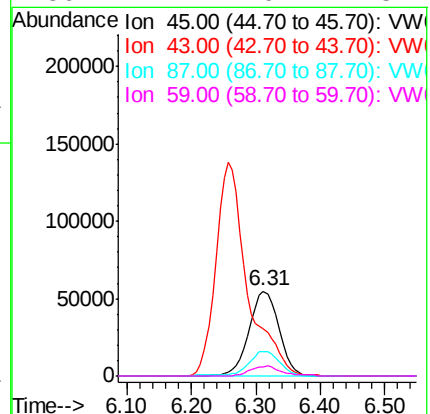
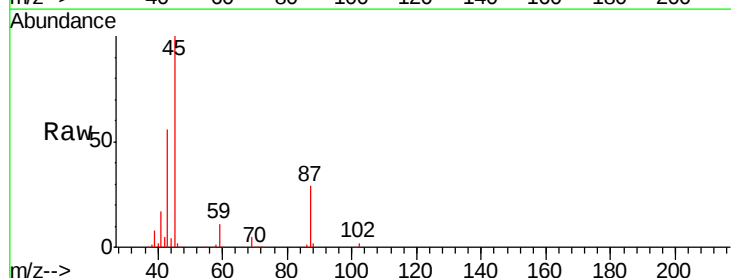
Ion Ratio Lower Upper

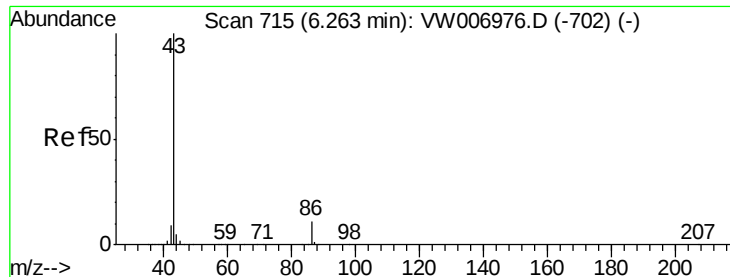
45 100

43 55.2 42.5 63.7

87 28.9 22.8 34.2

59 11.1 9.1 13.7





#23

Vinyl Acetate

Concen: 248.99 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

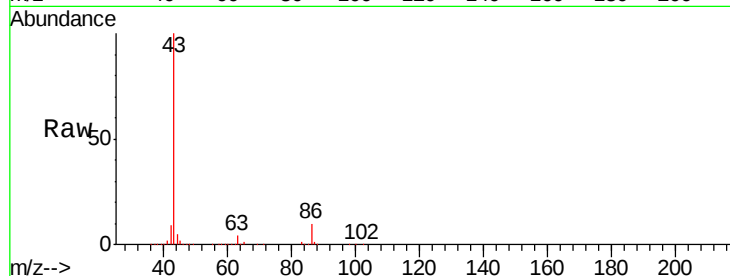
VSTDCCC050

Tgt Ion: 43 Resp: 473353

Ion Ratio Lower Upper

43 100

86 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

150000

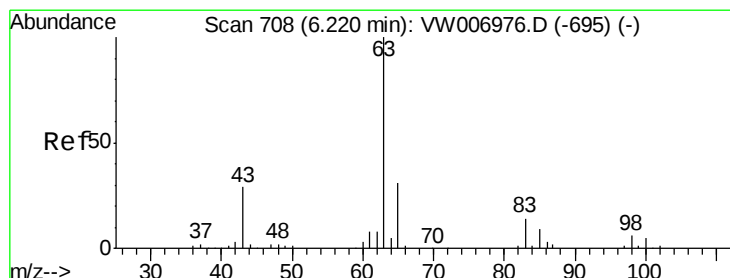
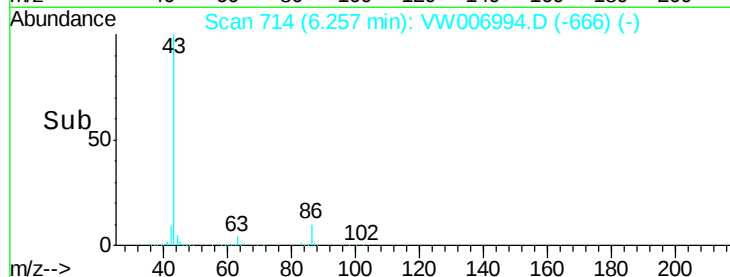
100000

50000

0

Time-->

6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 48.24 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

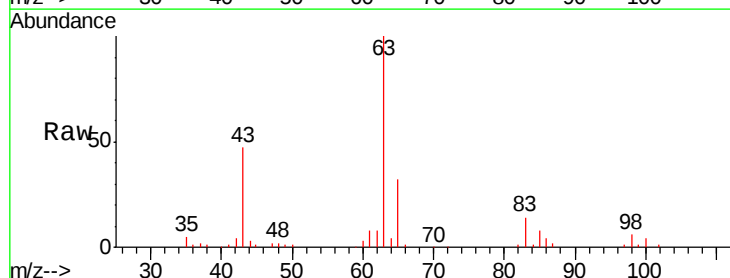
Tgt Ion: 63 Resp: 105057

Ion Ratio Lower Upper

63 100

98 5.9 3.1 9.4

100 4.0 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

40000

30000

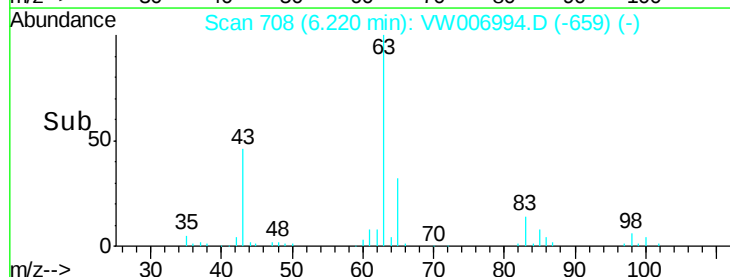
20000

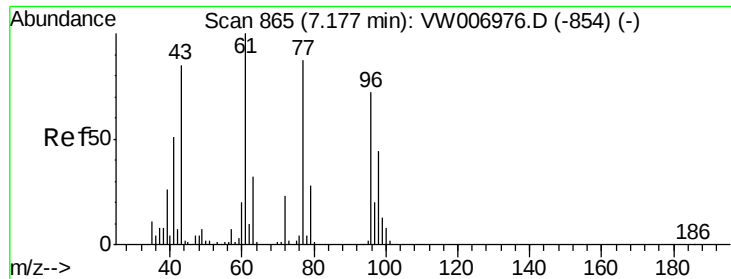
10000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 230.51 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

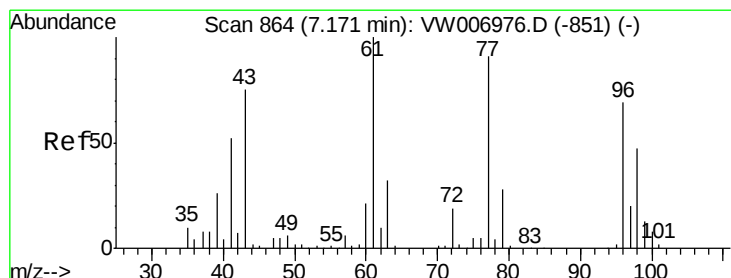
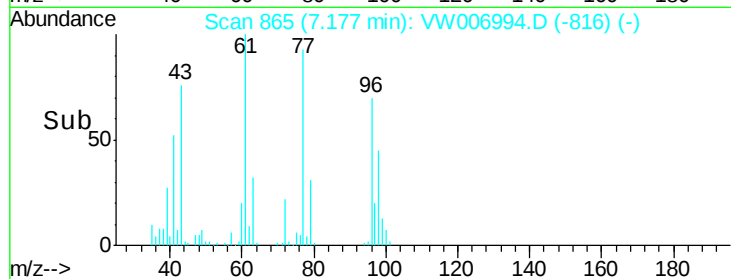
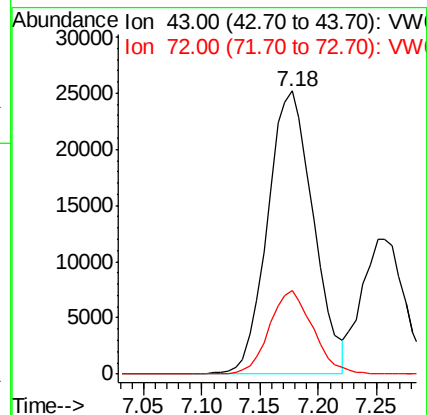
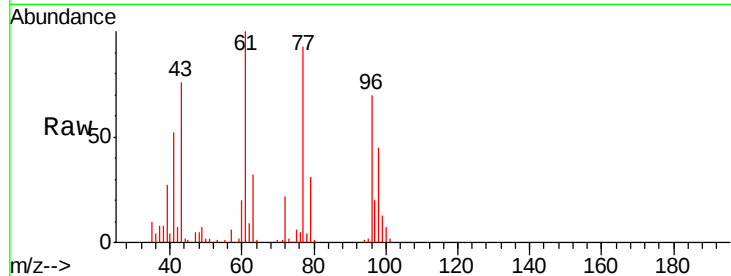
VSTDCCC050

Tgt Ion: 43 Resp: 68751

Ion Ratio Lower Upper

43 100

72 29.5 21.3 31.9



#26

2,2-Dichloropropane

Concen: 49.73 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006994.D

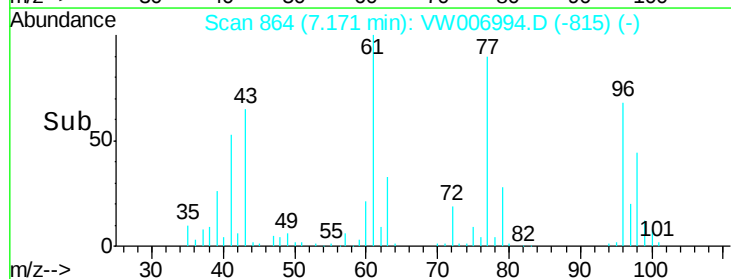
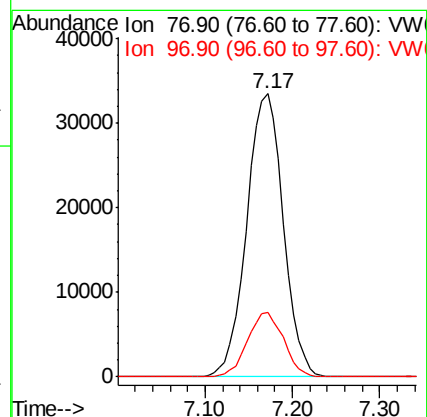
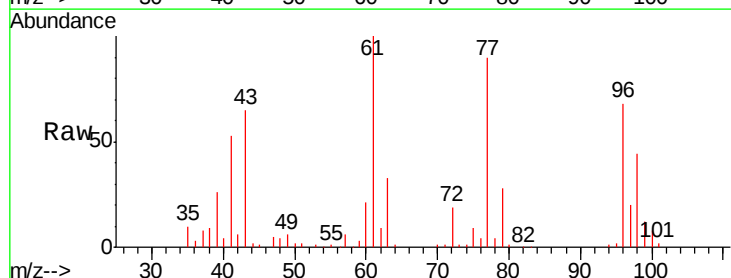
Acq: 21 Nov 2018 11:29

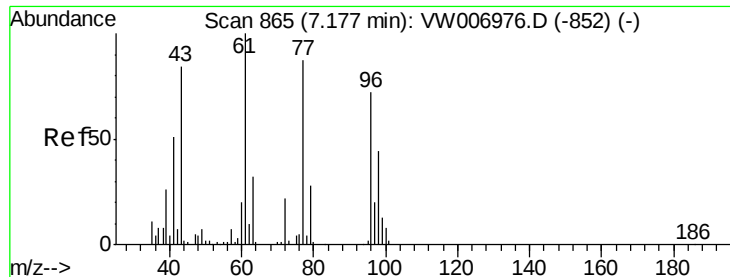
Tgt Ion: 77 Resp: 97386

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.00 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

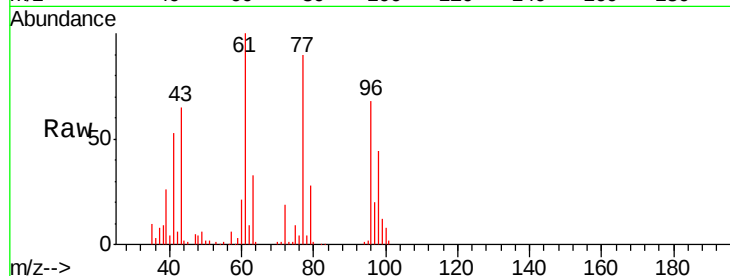
Tgt Ion: 96 Resp: 66035

Ion Ratio Lower Upper

96 100

61 148.8 0.0 292.6

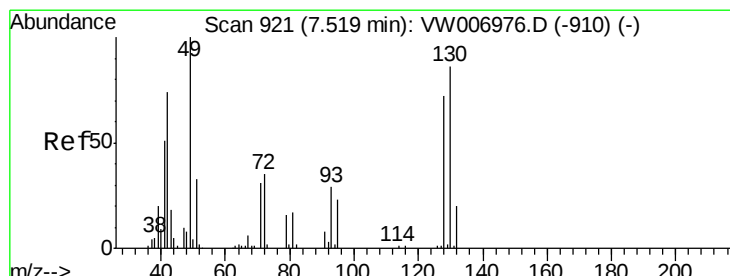
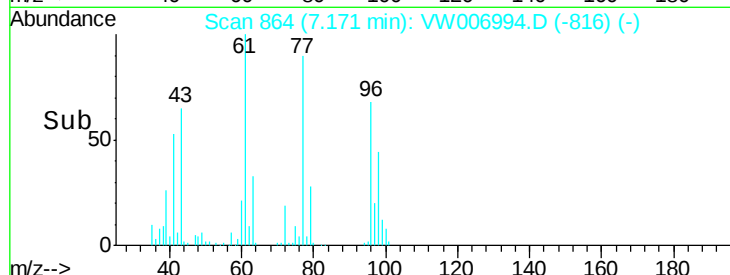
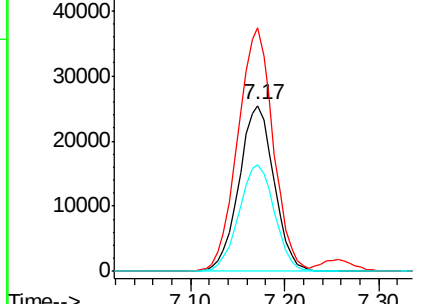
98 65.6 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 49.40 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

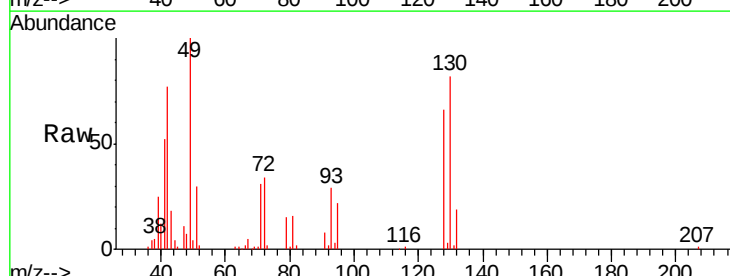
Tgt Ion: 49 Resp: 40207

Ion Ratio Lower Upper

49 100

129 2.2 0.0 2.0#

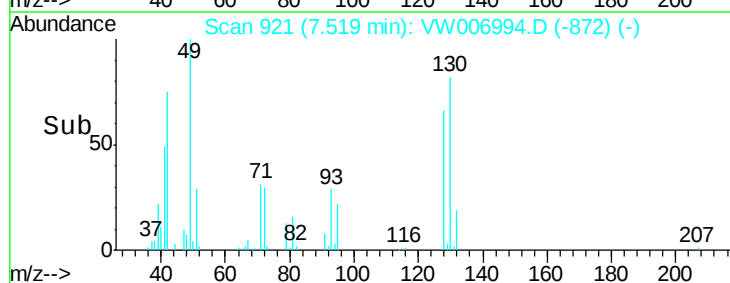
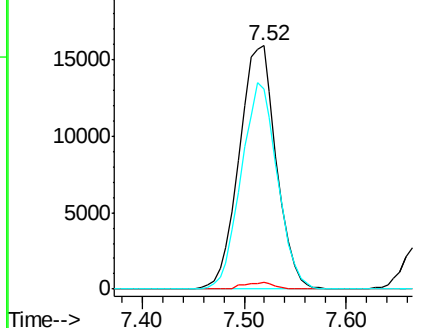
130 83.0 69.0 103.4

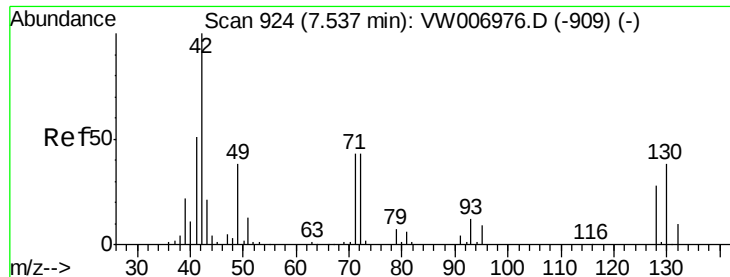


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

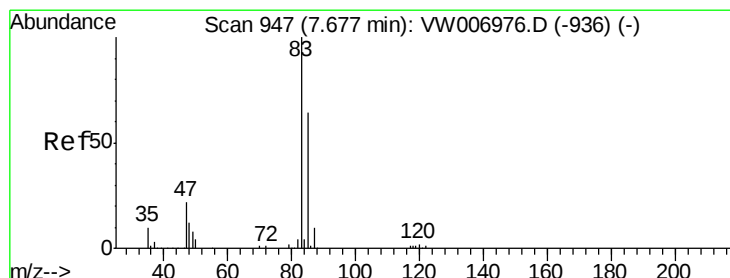
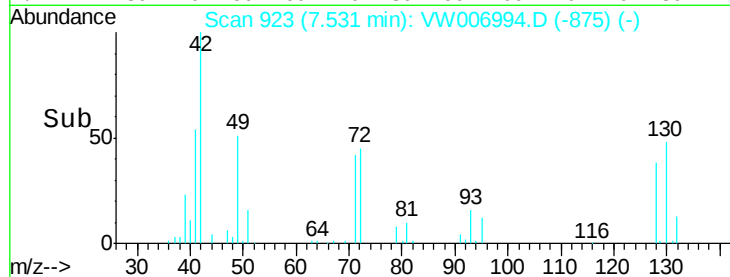
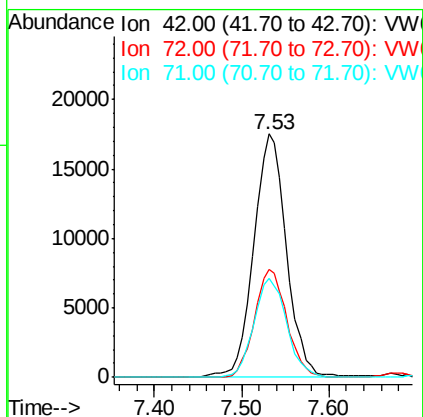
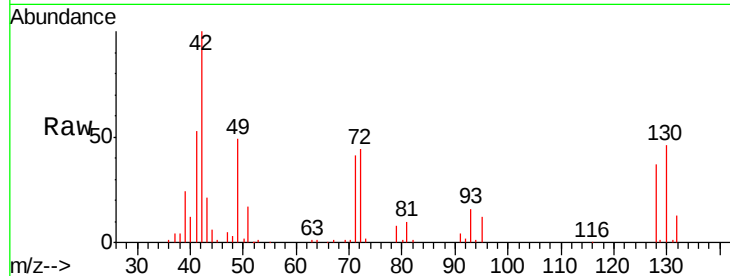




#29
Tetrahydrofuran
Concen: 236.20 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

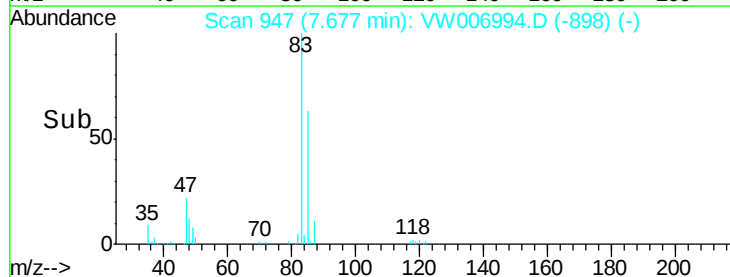
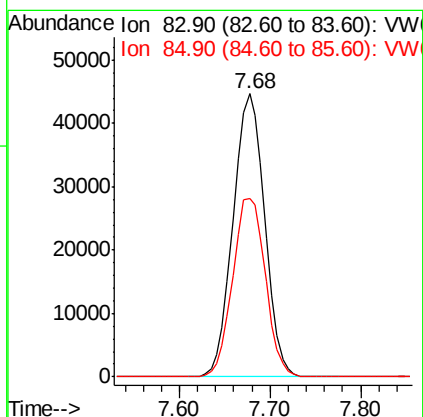
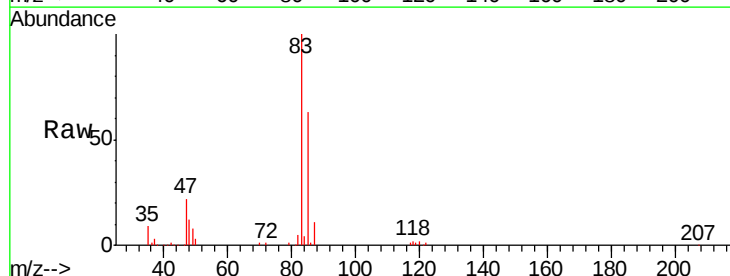
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

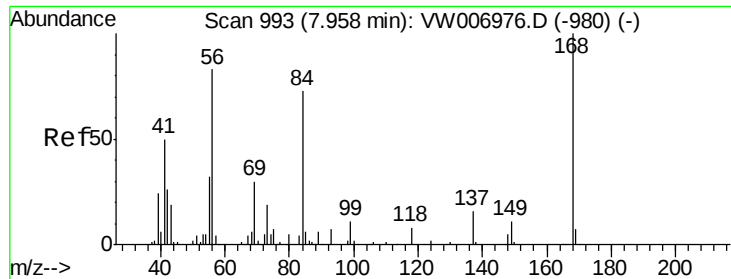
Tgt Ion: 42 Resp: 45626
Ion Ratio Lower Upper
42 100
72 43.5 36.2 54.4
71 40.8 33.8 50.8



#30
Chloroform
Concen: 46.75 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion: 83 Resp: 108178
Ion Ratio Lower Upper
83 100
85 63.2 50.9 76.3

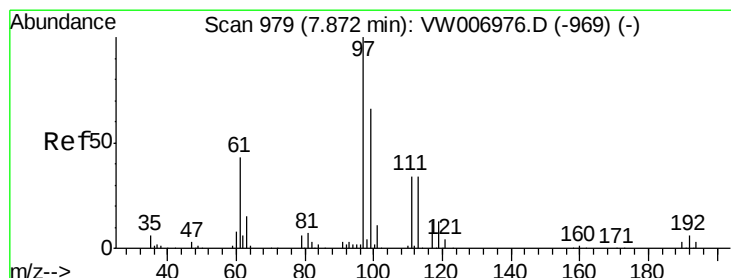
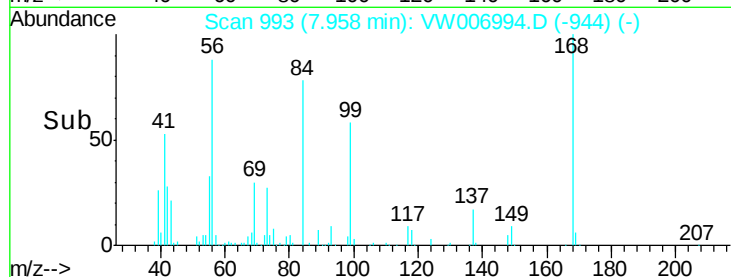
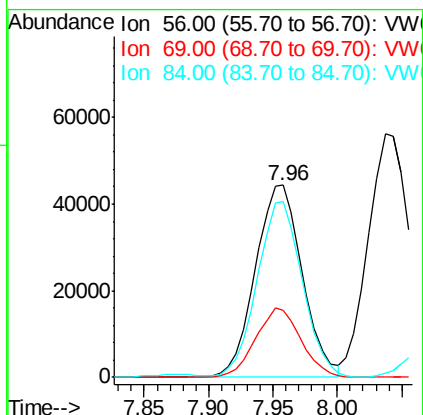
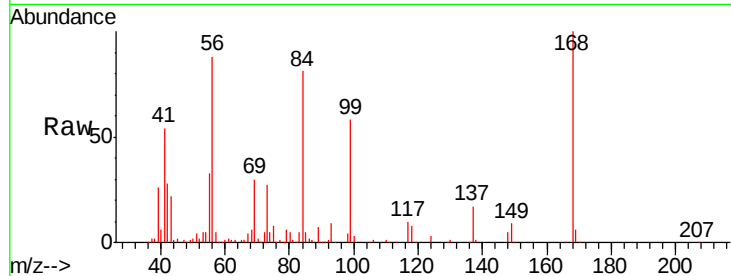




#31
Cyclohexane
Concen: 48.54 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

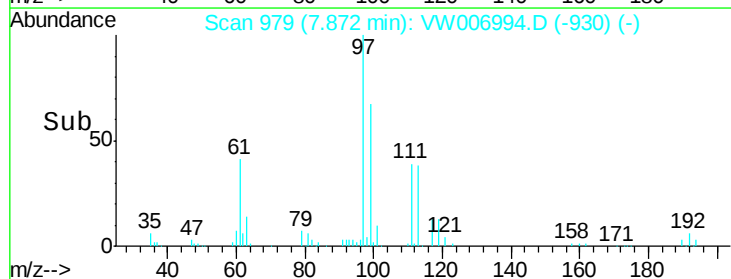
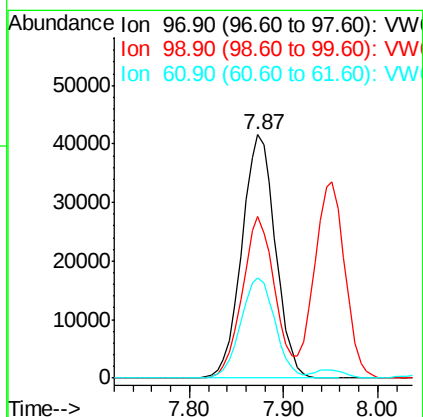
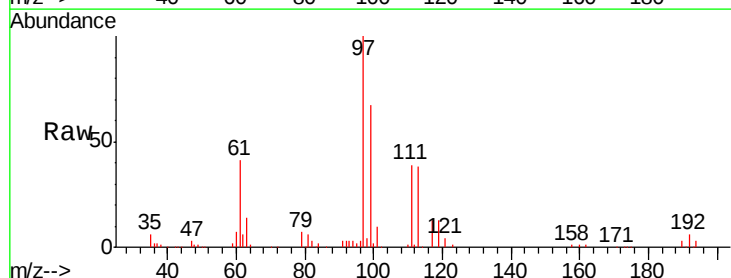
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

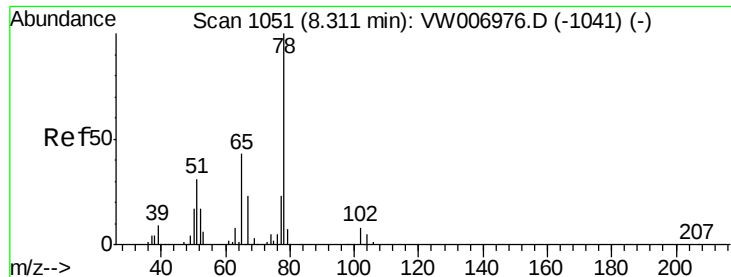
Tgt Ion: 56 Resp: 112118
Ion Ratio Lower Upper
56 100
69 34.6 29.1 43.7
84 90.5 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 49.72 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion: 97 Resp: 103610
Ion Ratio Lower Upper
97 100
99 65.3 51.9 77.9
61 42.1 33.4 50.2

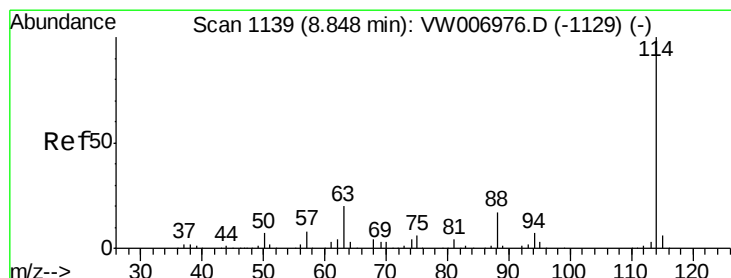
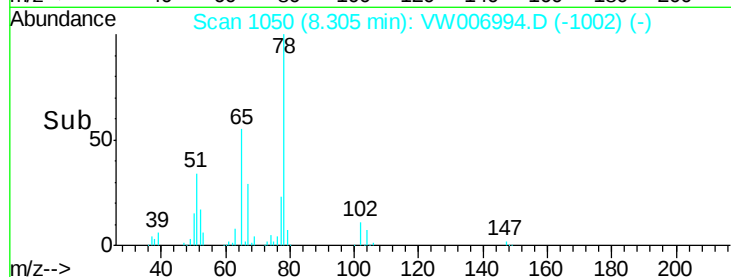
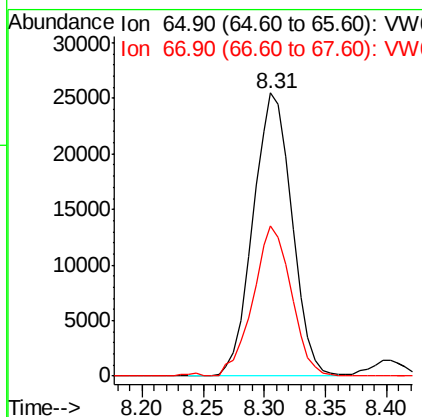
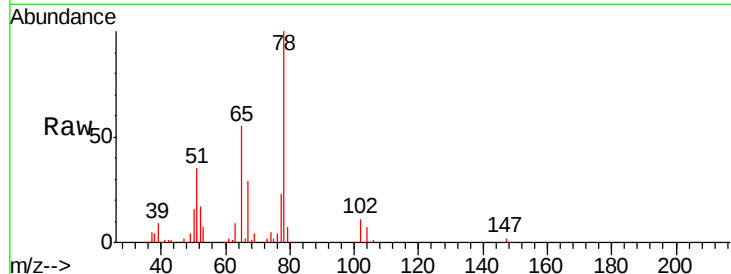




#33
 1,2-Dichloroethane-d4
 Concen: 47.02 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

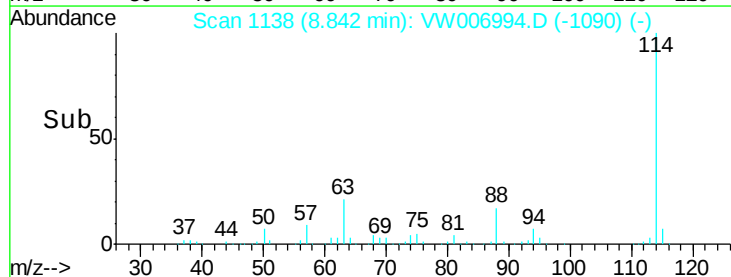
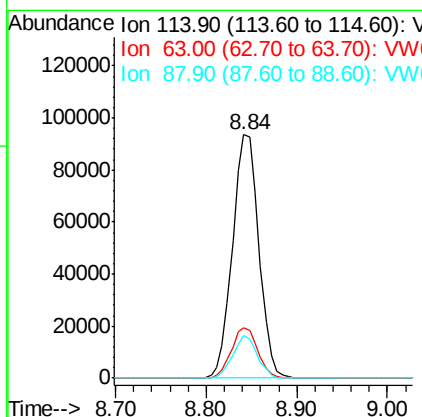
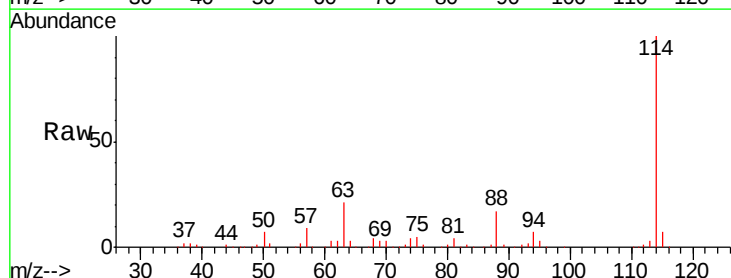
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

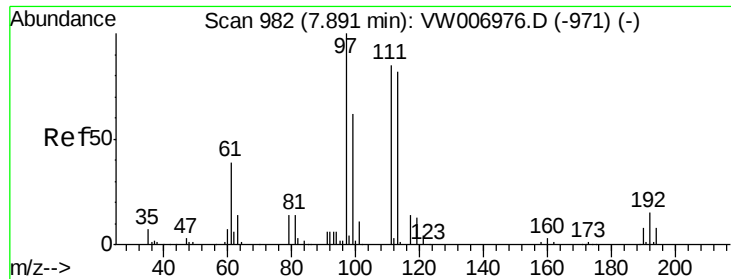
Tgt Ion: 65 Resp: 56401
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 114 Resp: 188388
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.4
 88 17.4 0.0 34.2

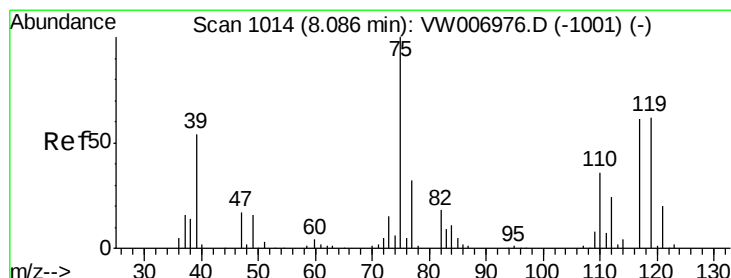
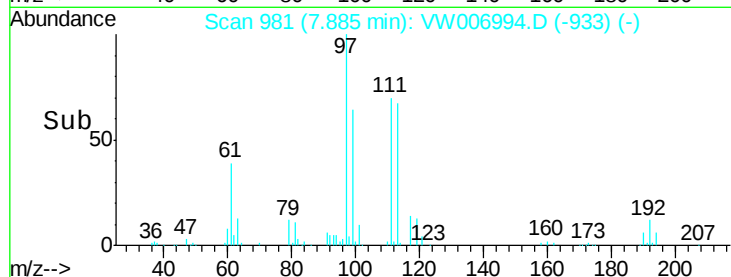
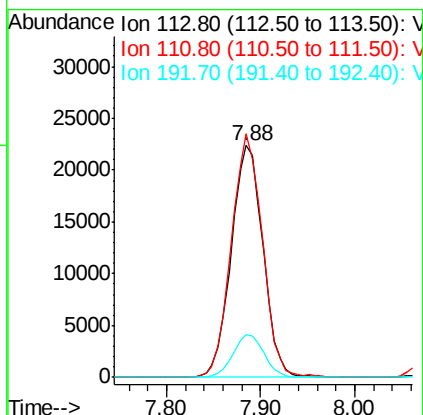
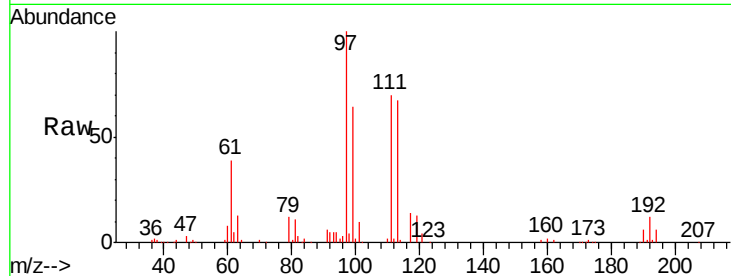




#35
 Dibromofluoromethane
 Concen: 49.41 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

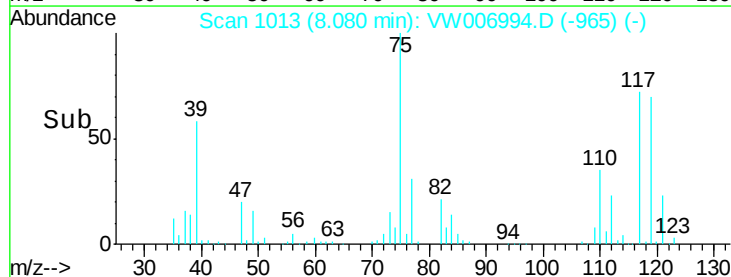
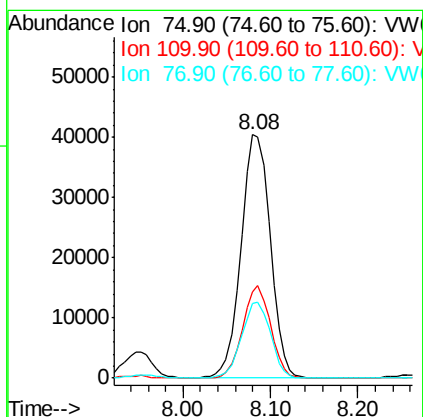
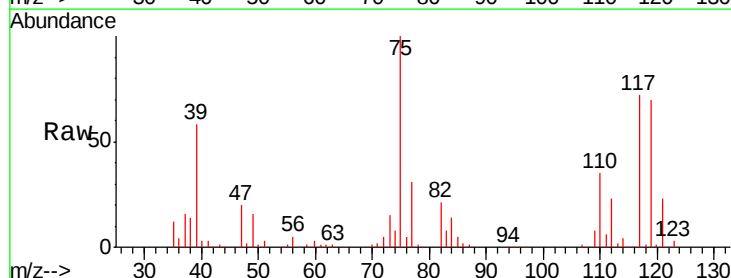
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

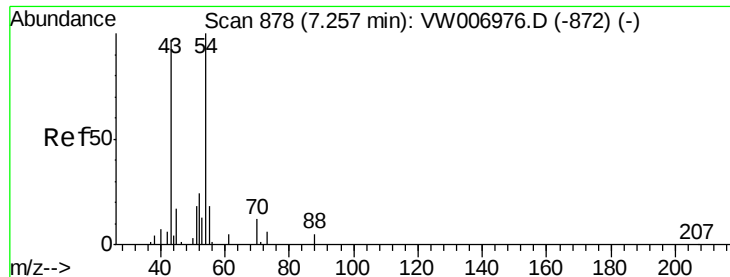
Tgt Ion: 113 Resp: 52563
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.0 121.6
 192 18.0 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 51.19 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 75 Resp: 94234
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.0 54.0
 77 30.9 24.9 37.3

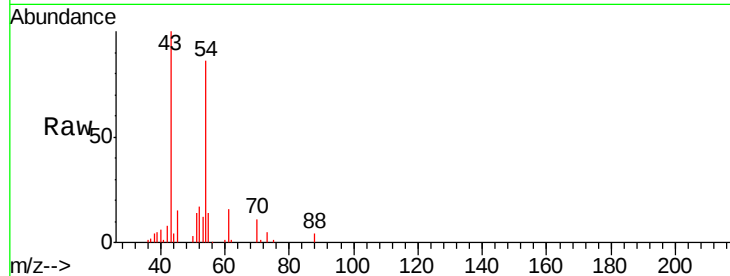




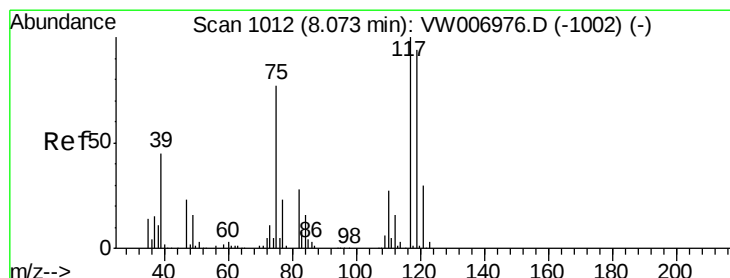
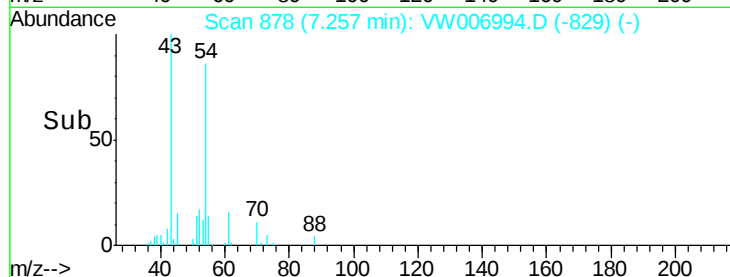
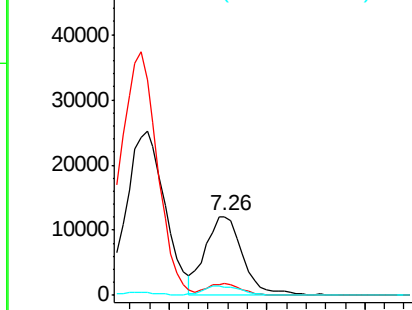
#37
Ethyl Acetate
Concen: 47.76 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 31860
Ion Ratio Lower Upper
43 100
61 14.0 10.4 15.6
70 11.9 8.8 13.2

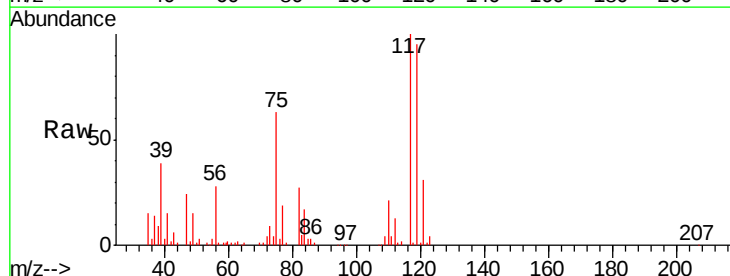


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

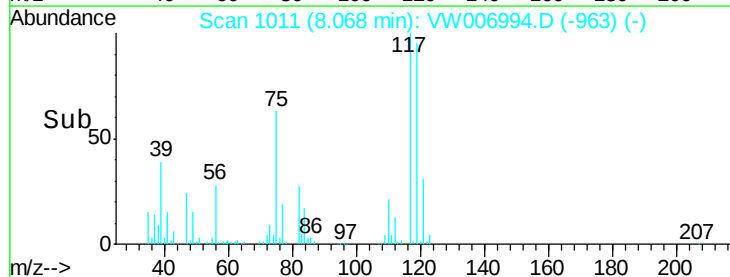
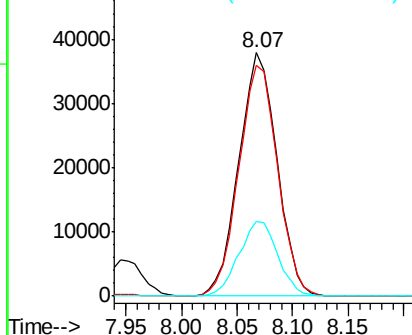


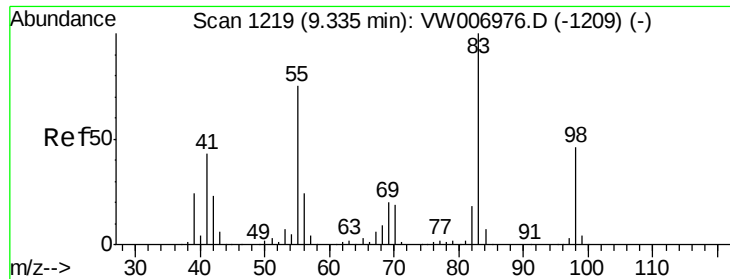
#38
Carbon Tetrachloride
Concen: 51.23 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion: 117 Resp: 90311
Ion Ratio Lower Upper
117 100
119 95.0 74.9 112.3
121 30.6 23.6 35.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

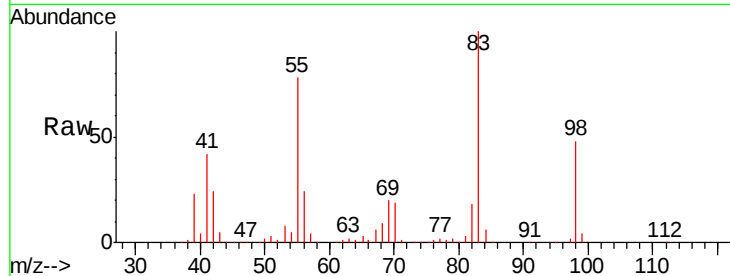




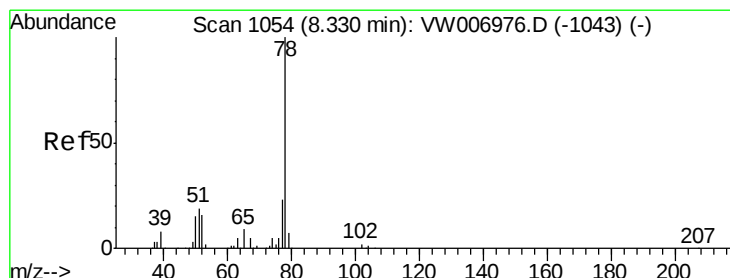
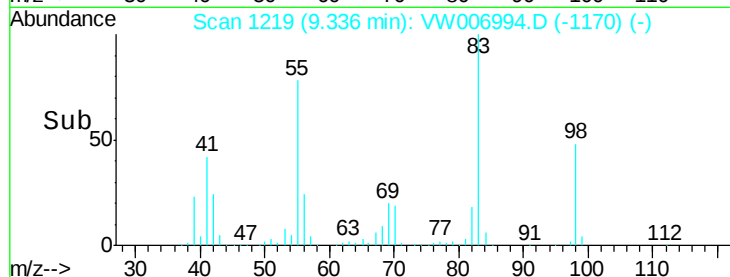
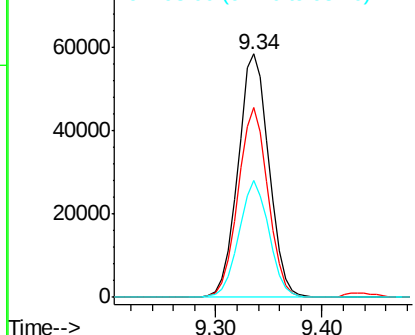
#39
Methylcyclohexane
Concen: 51.57 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 118802
Ion Ratio Lower Upper
83 100
55 77.9 59.6 89.4
98 48.1 37.1 55.7

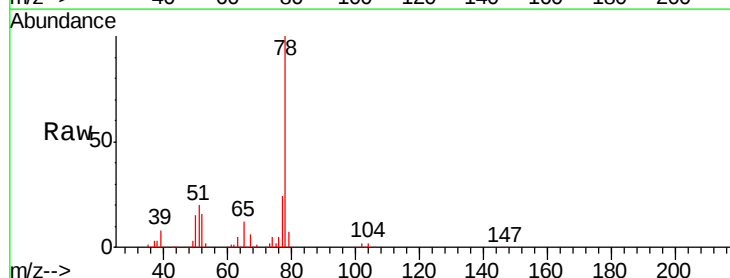


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

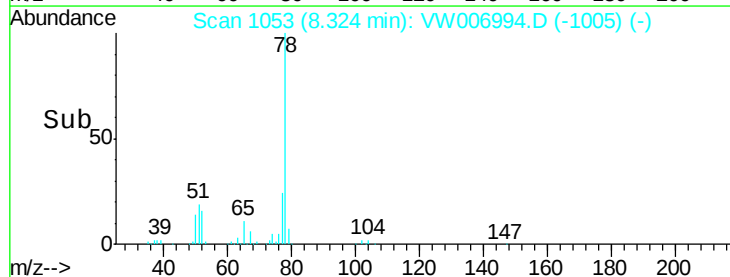
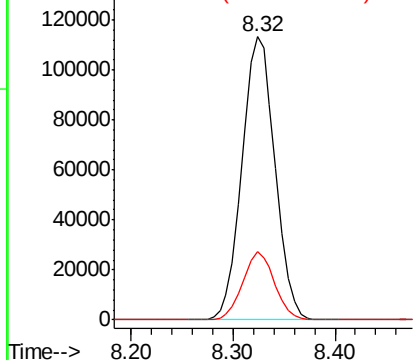


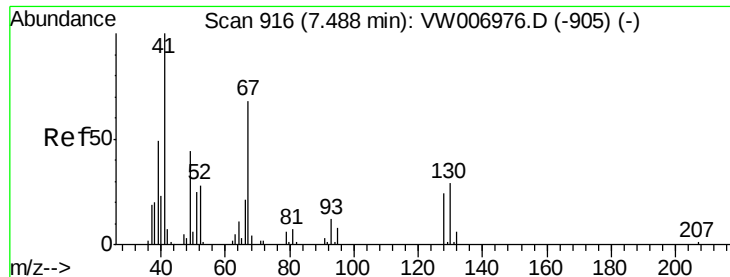
#40
Benzene
Concen: 51.12 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion: 78 Resp: 254032
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

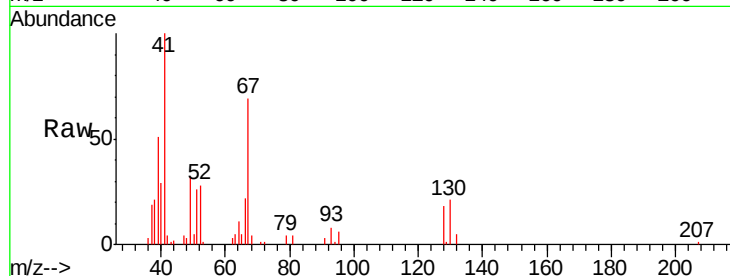




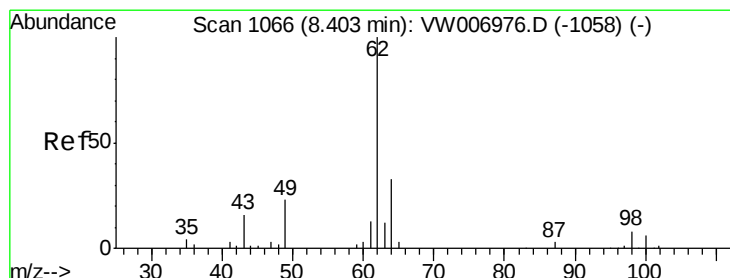
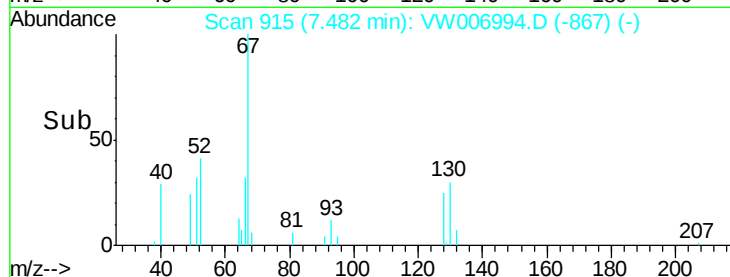
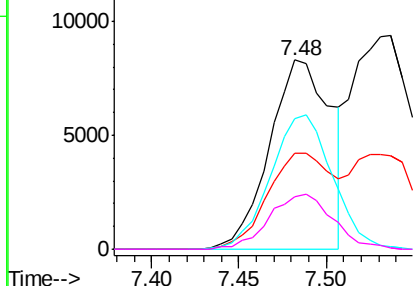
#41
Methacrylonitrile
Concen: 48.97 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	20288
Ion	Ratio	Lower	Upper
41	100		
39	53.9	48.6	73.0
67	71.8	59.8	89.8
52	30.2	24.8	37.2

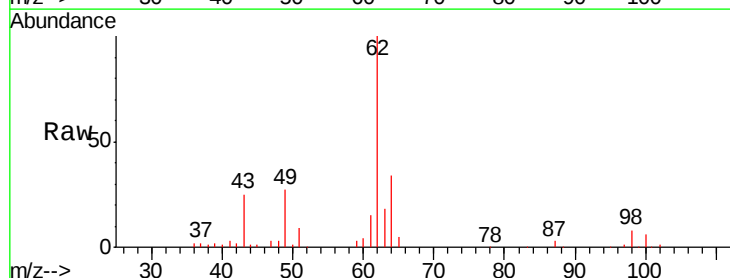


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

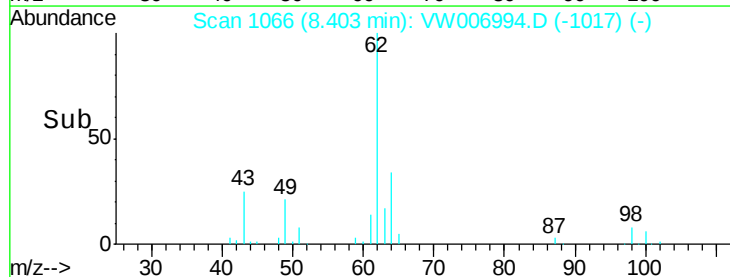
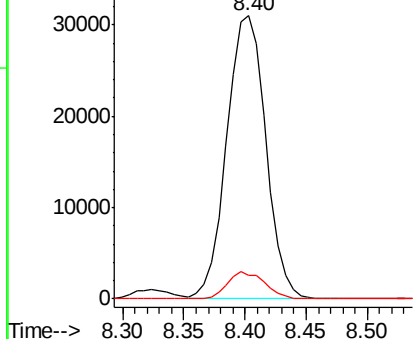


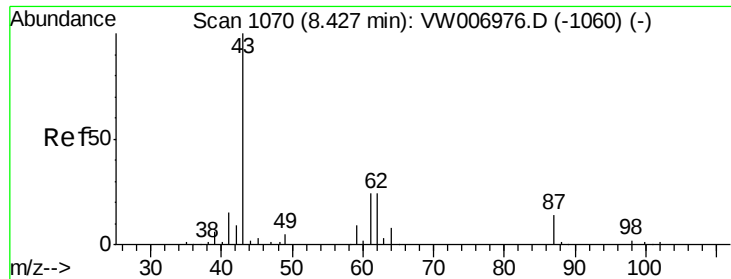
#42
1,2-Dichloroethane
Concen: 47.61 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion:	62	Resp:	68682
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 49.21 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

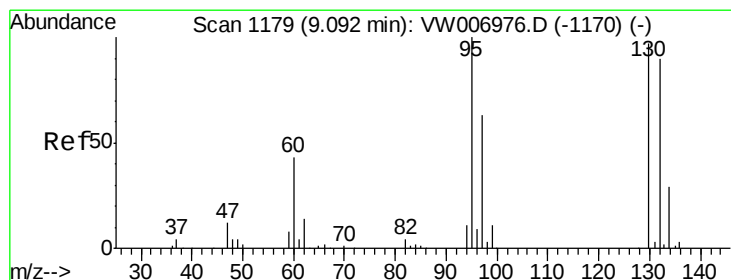
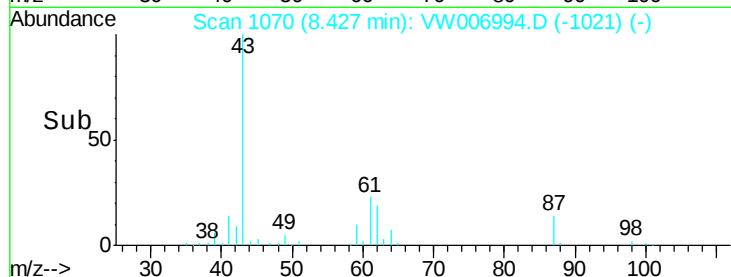
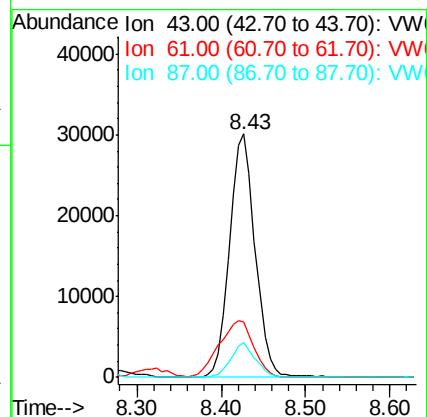
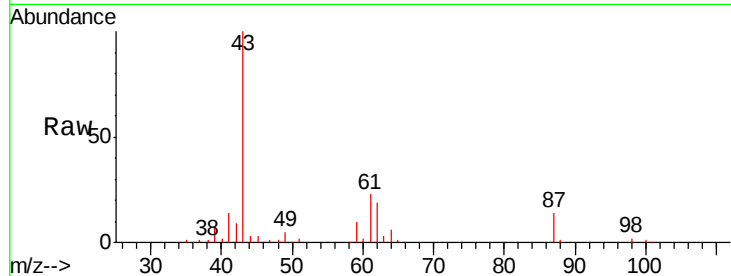
Tgt Ion: 43 Resp: 62559

Ion Ratio Lower Upper

43 100

61 31.7 26.1 39.1

87 13.5 11.2 16.8



#44

Trichloroethene

Concen: 50.34 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006994.D

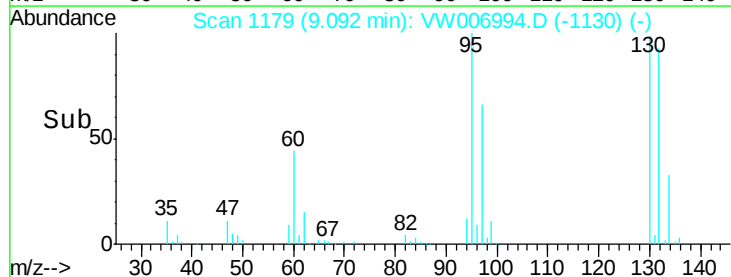
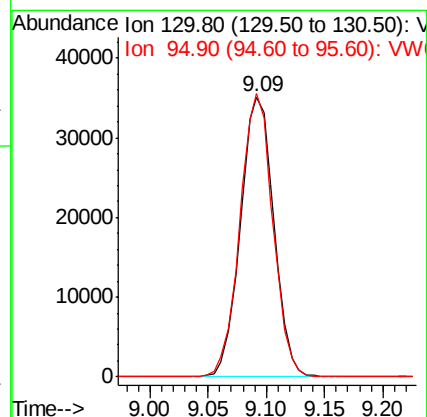
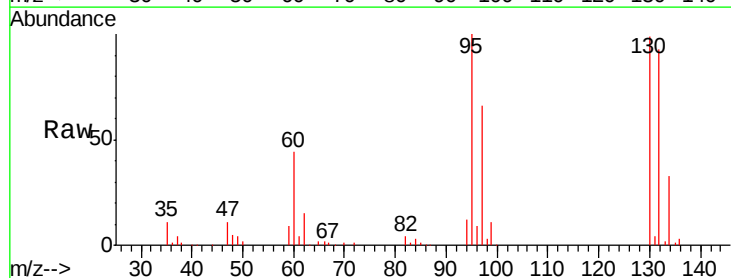
Acq: 21 Nov 2018 11:29

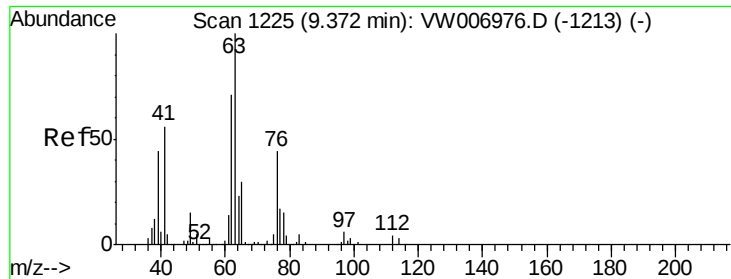
Tgt Ion: 130 Resp: 70122

Ion Ratio Lower Upper

130 100

95 101.2 0.0 206.4

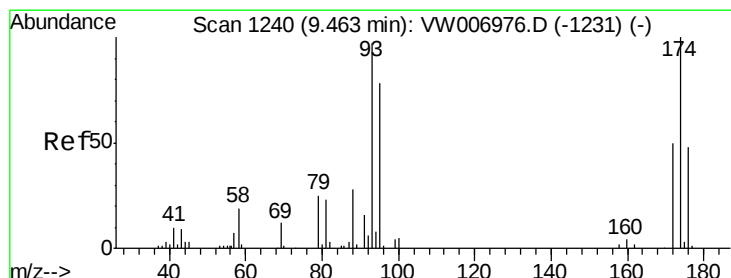
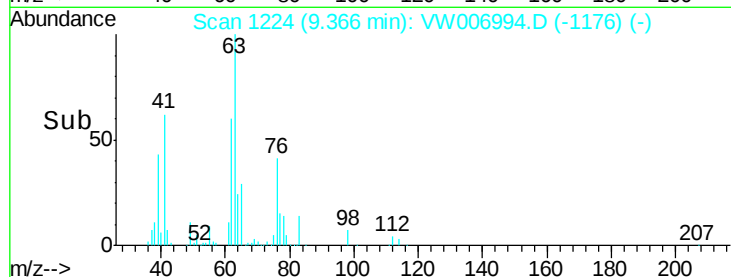
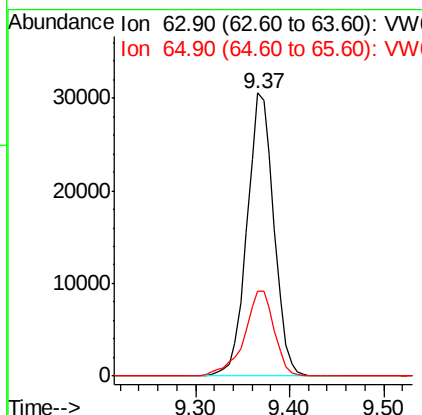
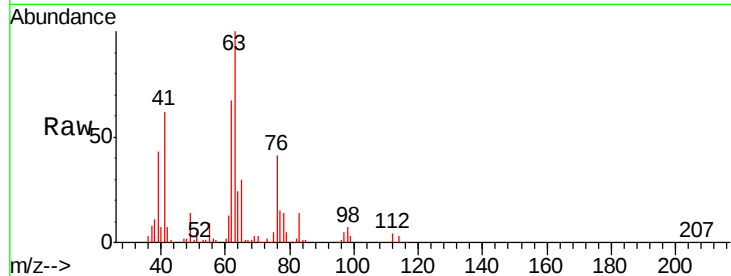




#45
 1,2-Dichloropropane
 Concen: 49.86 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

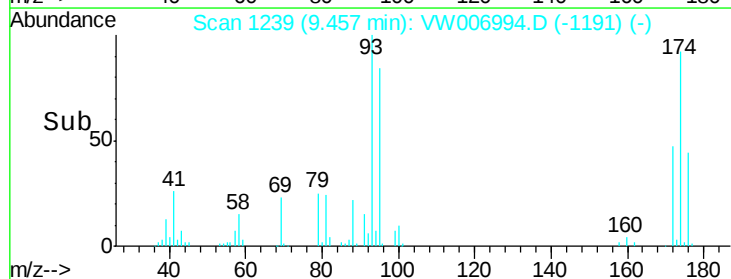
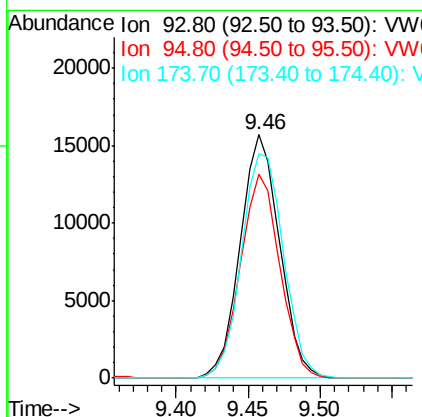
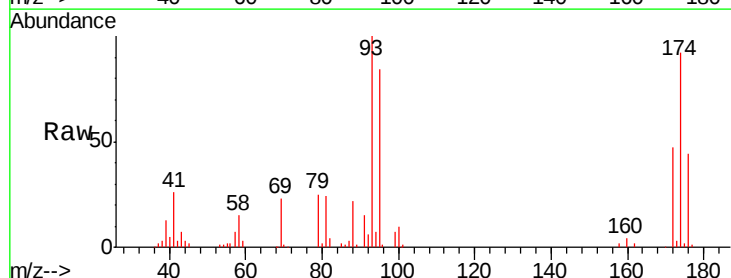
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

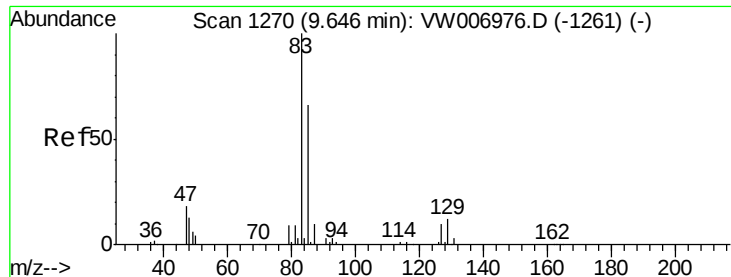
Tgt Ion: 63 Resp: 61076
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.4 36.6



#46
 Dibromomethane
 Concen: 48.49 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 93 Resp: 29744
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.1 99.1
 174 98.2 79.7 119.5





#47

Bromodichloromethane

Concen: 49.19 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

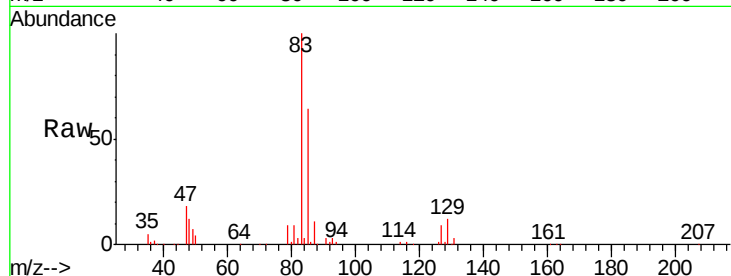
Tgt Ion: 83 Resp: 79502

Ion Ratio Lower Upper

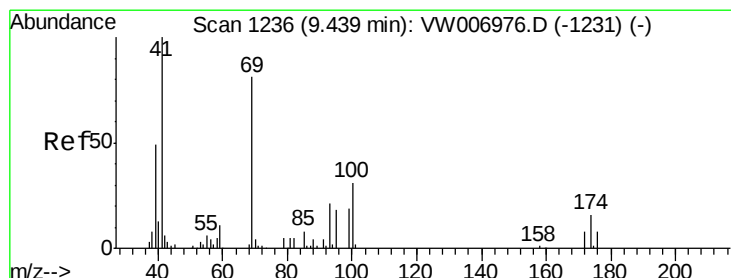
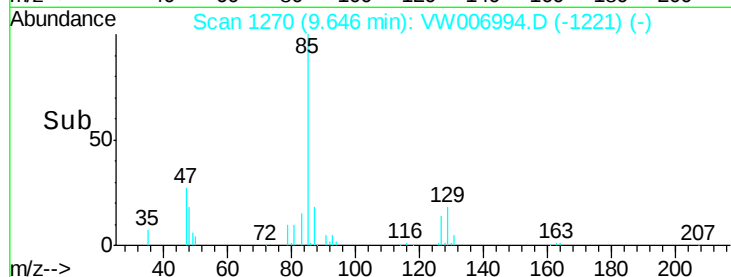
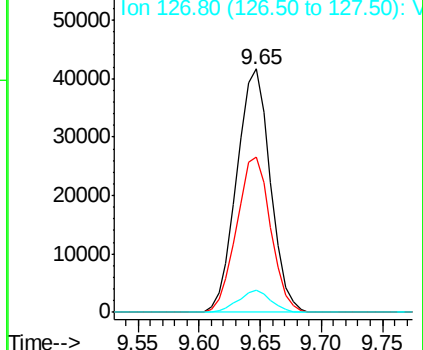
83 100

85 63.6 52.9 79.3

127 8.9 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 49.77 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

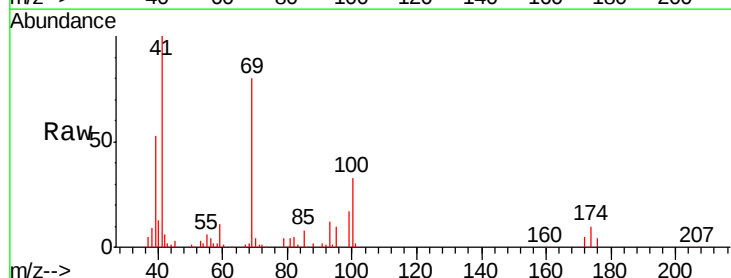
Tgt Ion: 41 Resp: 30510

Ion Ratio Lower Upper

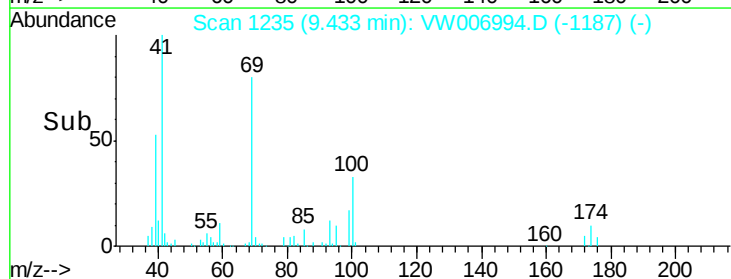
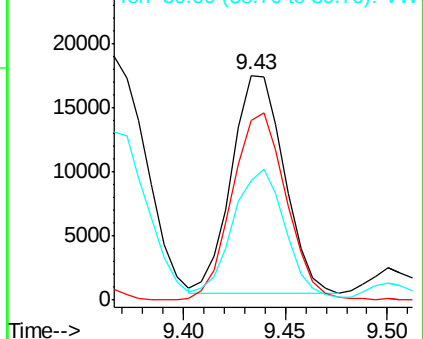
41 100

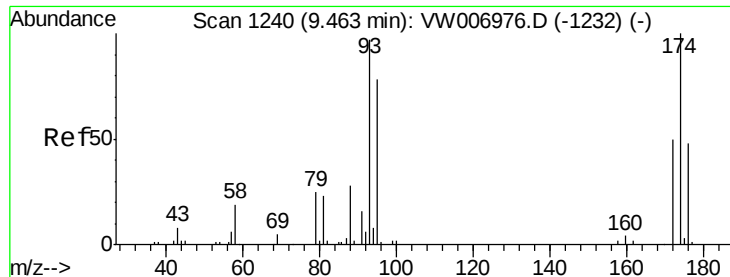
69 88.6 71.4 107.0

39 57.3 44.8 67.2



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





#49

1,4-Dioxane

Concen: 1075.92 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

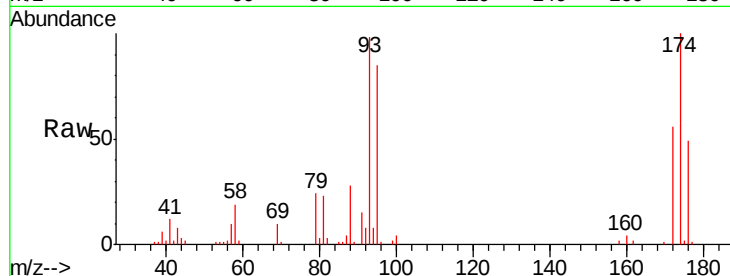
Tgt Ion: 88 Resp: 9810

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

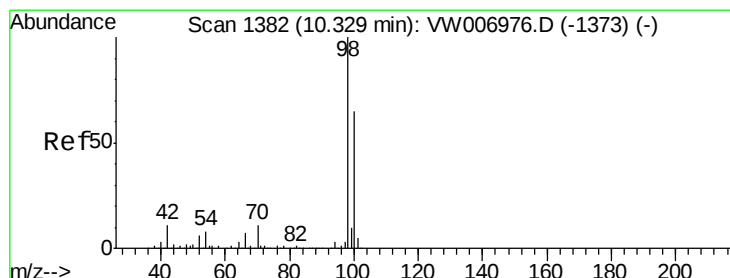
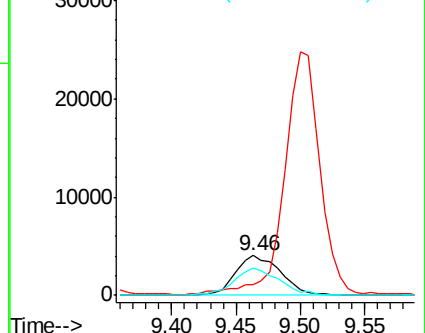
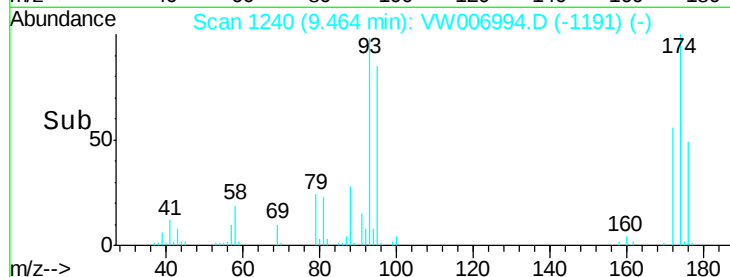
58 69.1 59.0 88.6



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 51.89 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006994.D

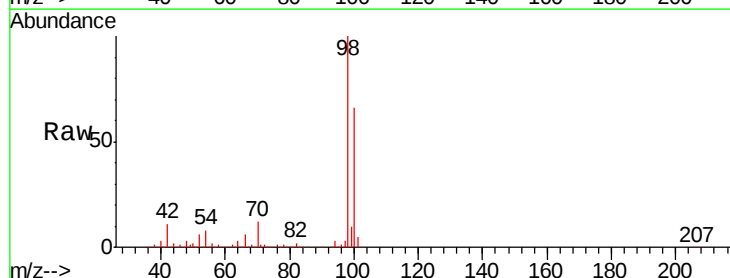
Acq: 21 Nov 2018 11:29

Tgt Ion: 98 Resp: 243790

Ion Ratio Lower Upper

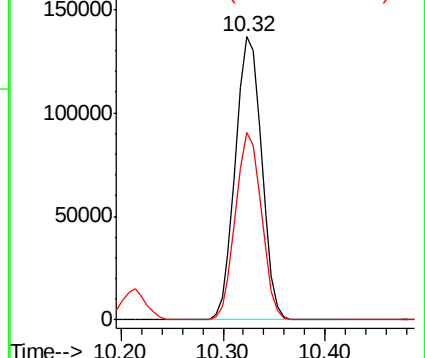
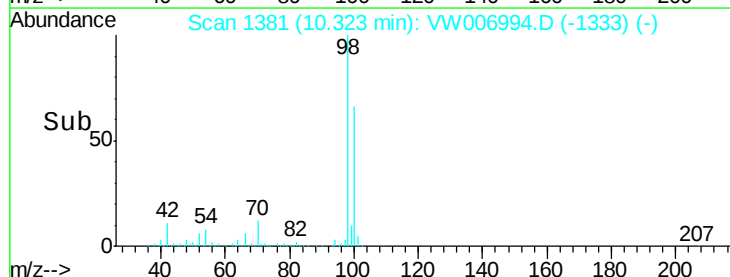
98 100

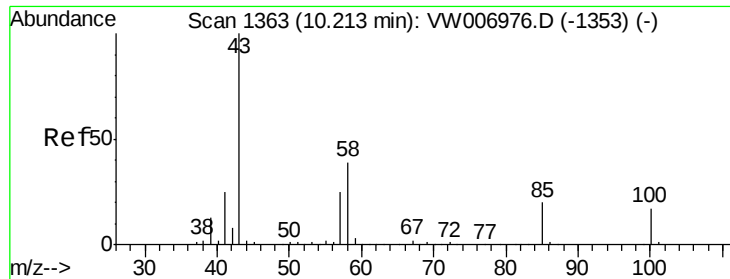
100 65.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 247.16 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

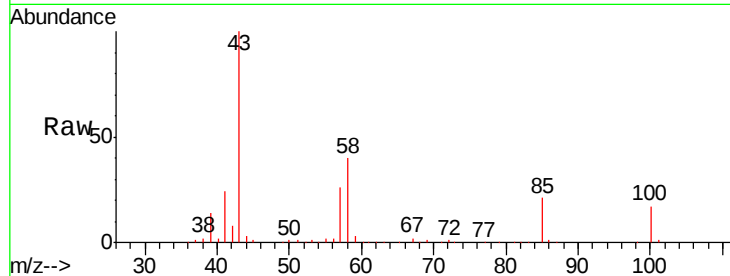
VSTDCCC050

Tgt Ion: 43 Resp: 158786

Ion Ratio Lower Upper

43 100

58 39.2 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

80000

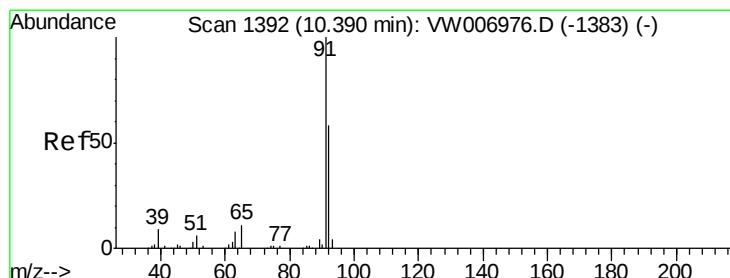
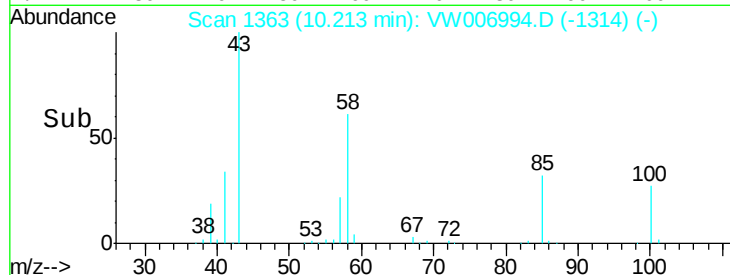
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 52.38 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006994.D

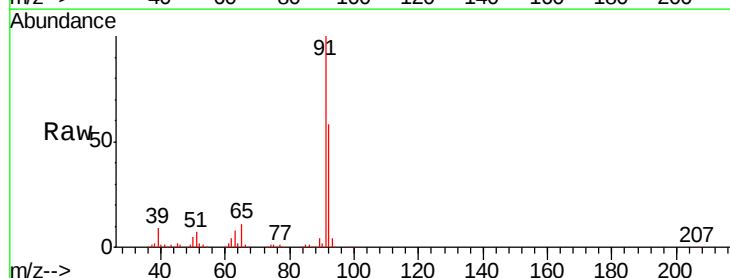
Acq: 21 Nov 2018 11:29

Tgt Ion: 92 Resp: 177140

Ion Ratio Lower Upper

92 100

91 170.7 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

200000

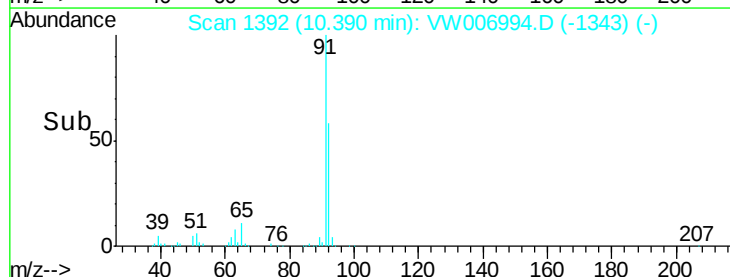
150000

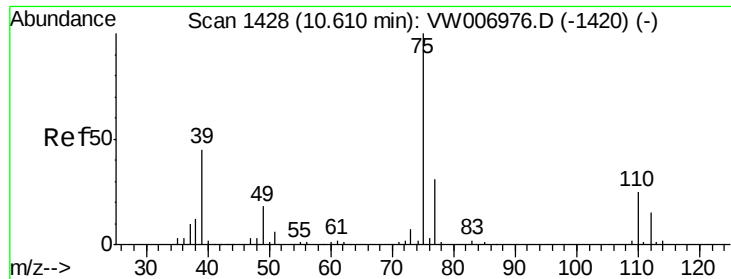
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.52 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

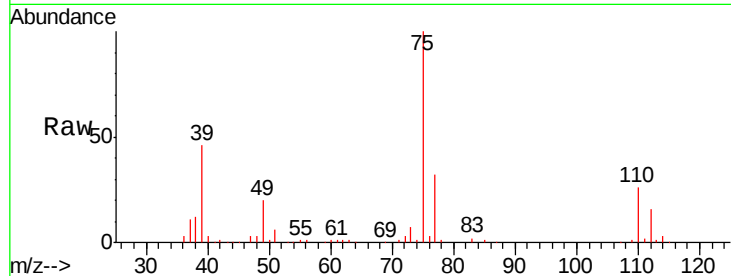
VSTDCCC050

Tgt Ion: 75 Resp: 79092

Ion Ratio Lower Upper

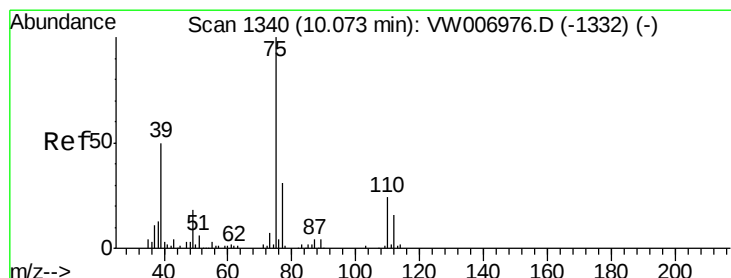
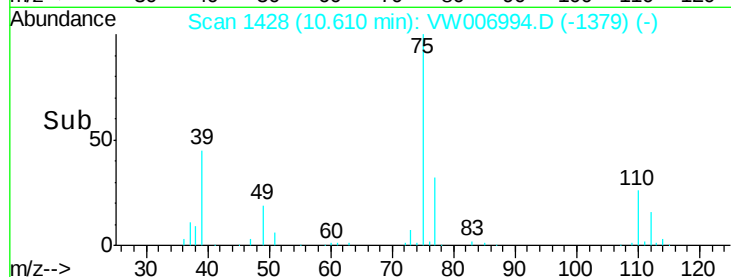
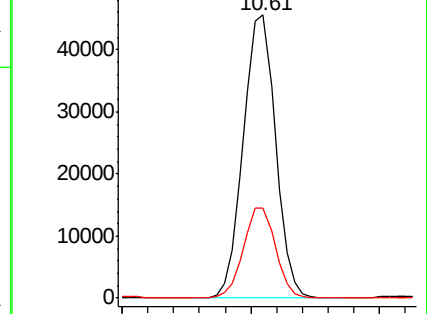
75 100

77 31.8 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 50.64 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

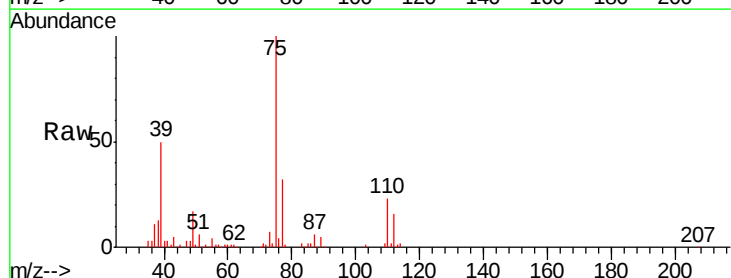
Tgt Ion: 75 Resp: 95793

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6

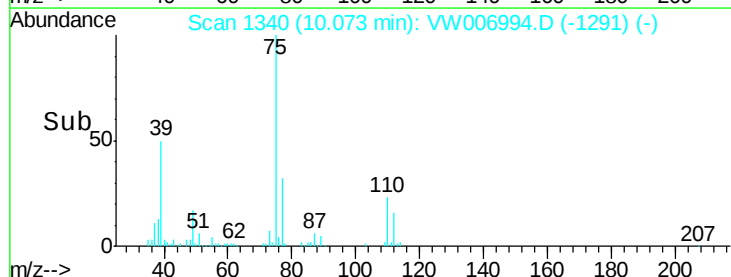
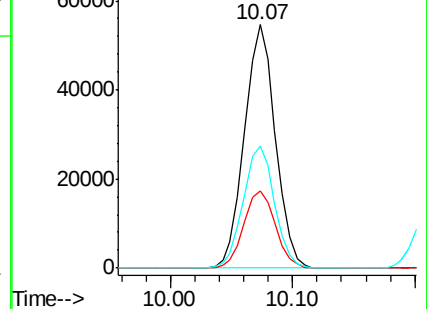
39 49.9 39.9 59.9

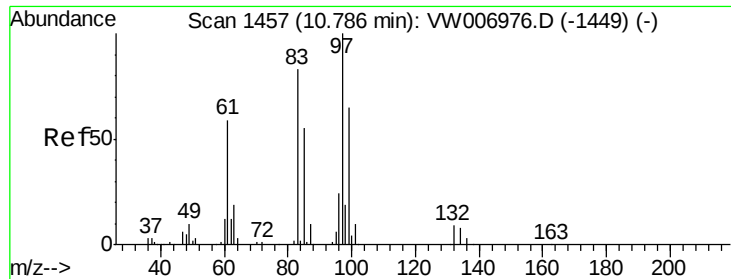


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 47.34 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 42728

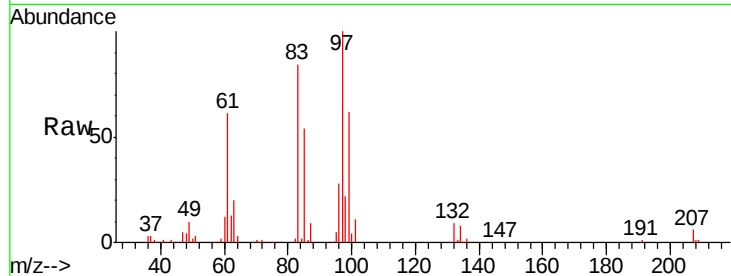
Ion Ratio Lower Upper

97 100

83 83.5 66.4 99.6

85 53.9 44.1 66.1

99 62.5 51.7 77.5

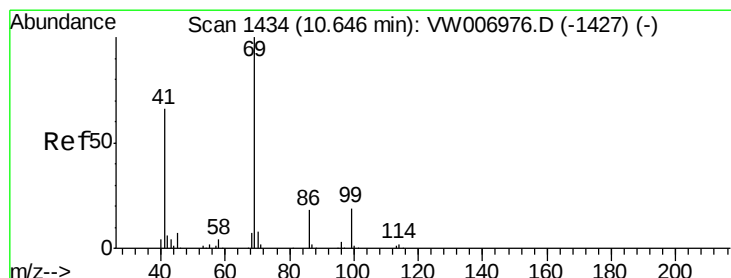
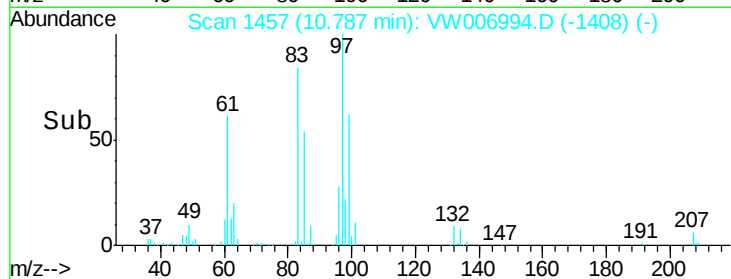
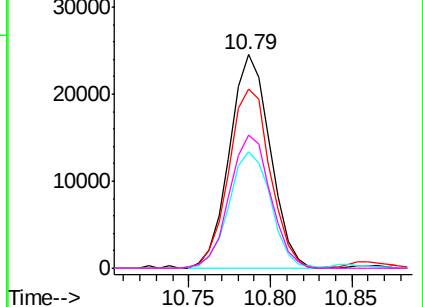


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 52.74 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

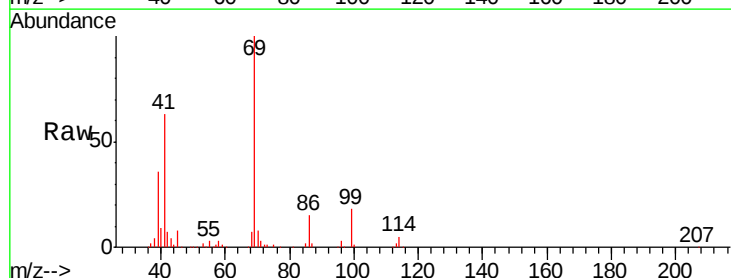
Tgt Ion: 69 Resp: 55255

Ion Ratio Lower Upper

69 100

41 65.5 53.4 80.0

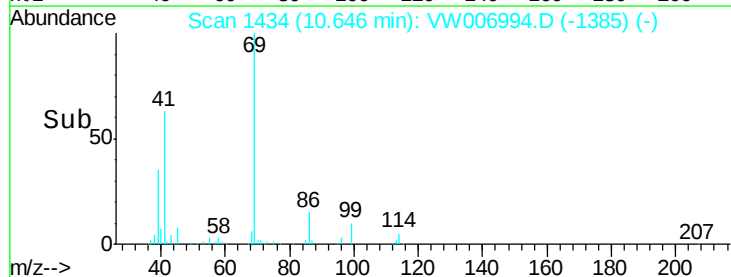
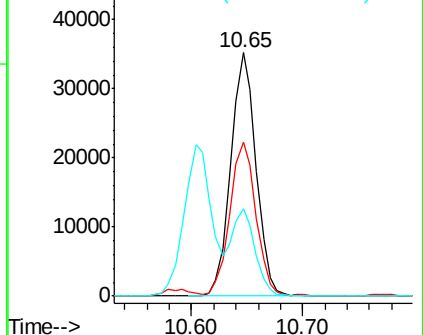
39 34.2 28.2 42.4

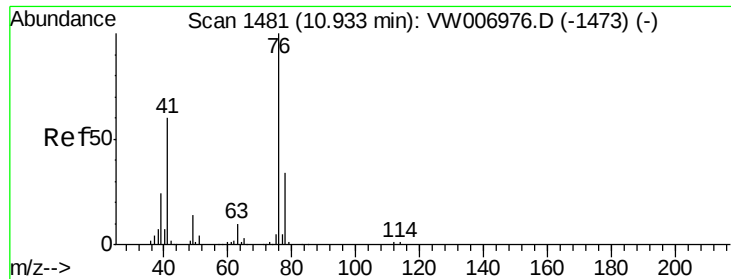


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

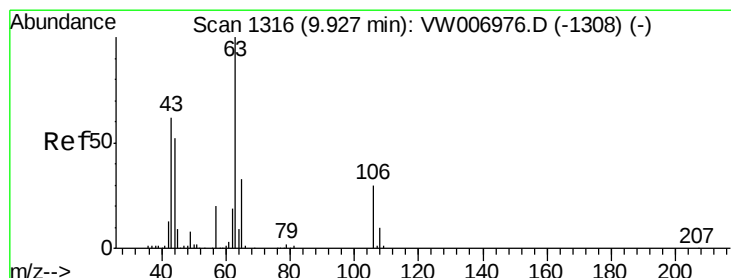
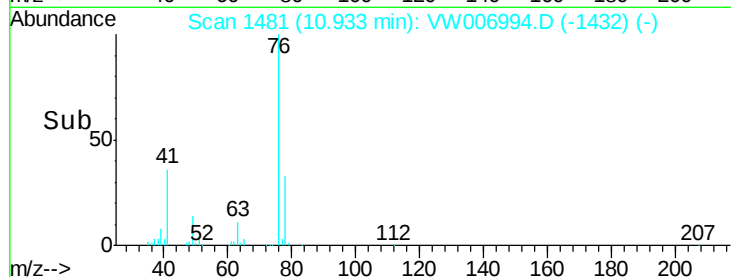
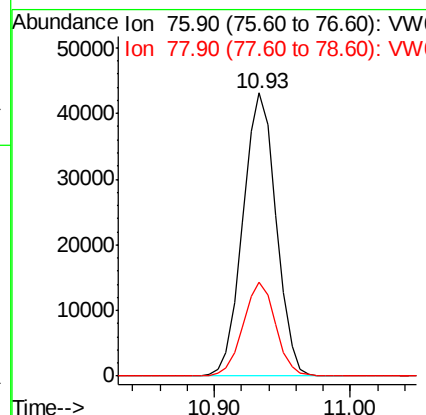
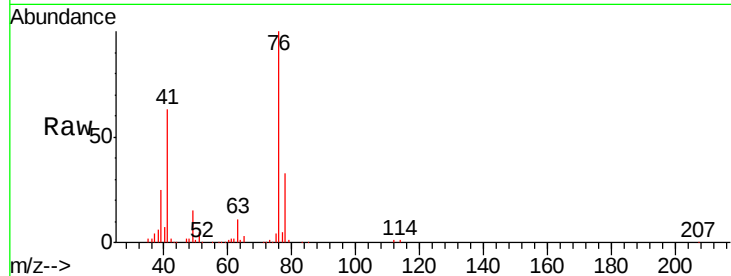




#57
 1,3-Dichloropropane
 Concen: 48.75 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

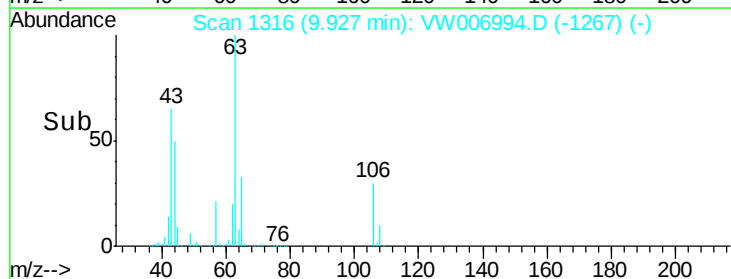
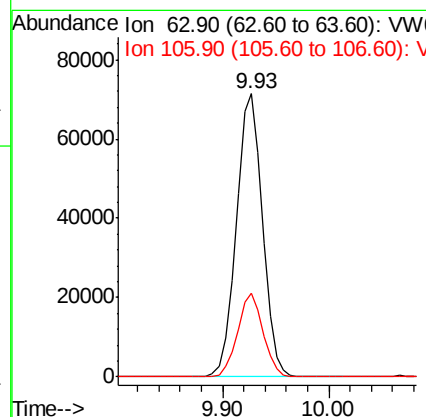
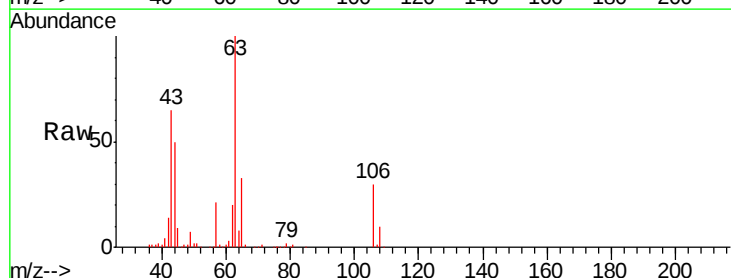
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

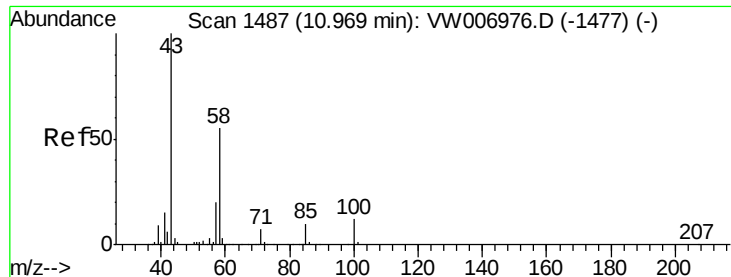
Tgt Ion: 76 Resp: 73735
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.23 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 63 Resp: 122757
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.5 35.3





#59

2-Hexanone

Concen: 260.93 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

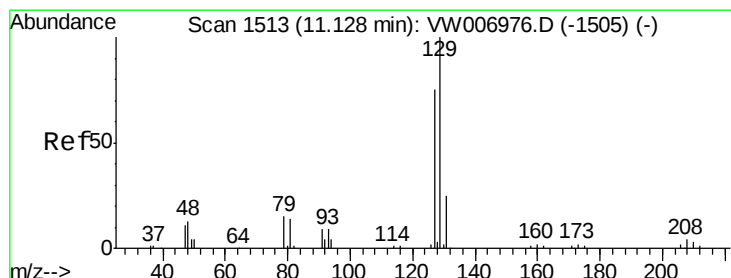
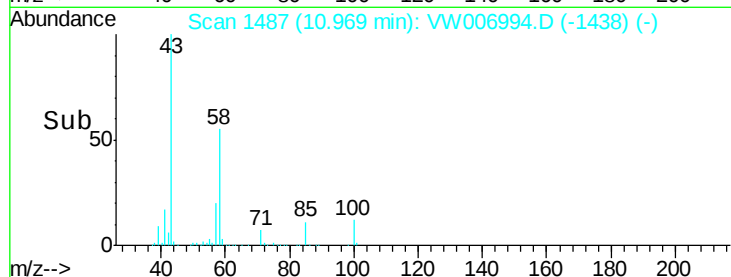
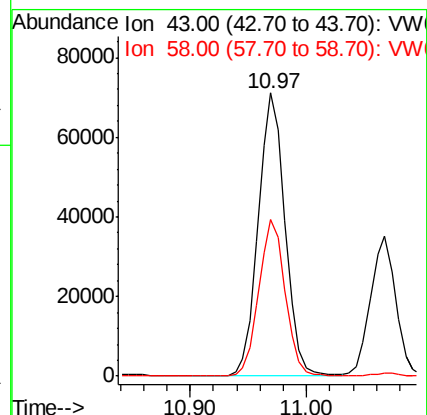
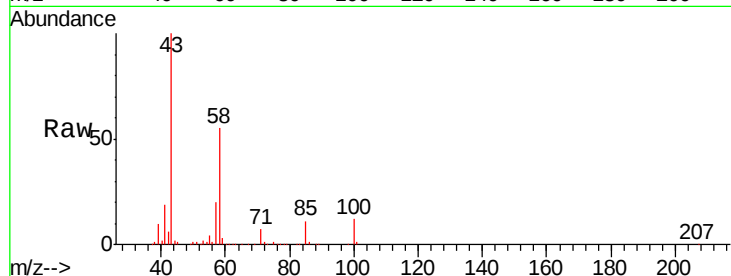
VSTDCCC050

Tgt Ion: 43 Resp: 114794

Ion Ratio Lower Upper

43 100

58 54.4 27.3 81.8



#60

Dibromochloromethane

Concen: 49.97 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW006994.D

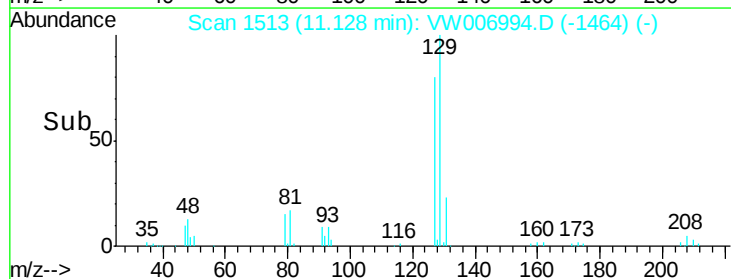
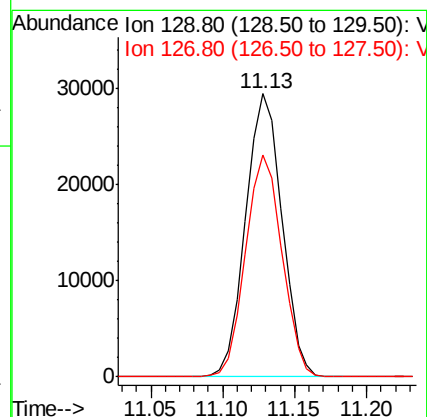
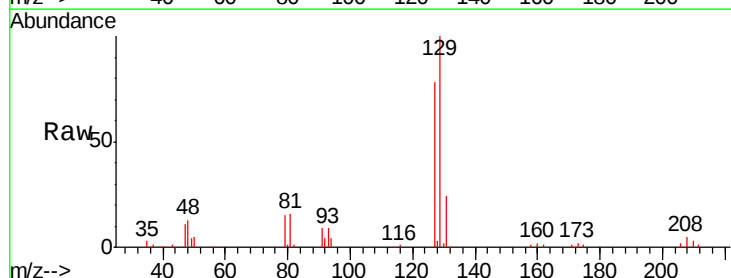
Acq: 21 Nov 2018 11:29

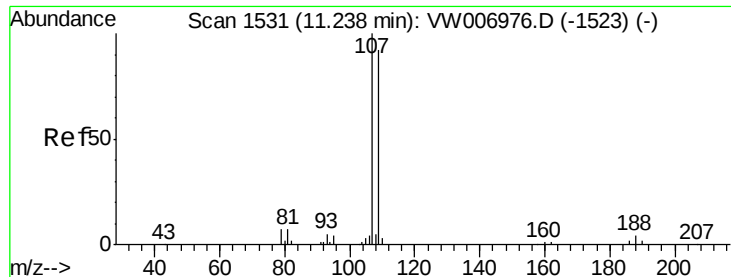
Tgt Ion: 129 Resp: 51388

Ion Ratio Lower Upper

129 100

127 78.6 38.3 114.8

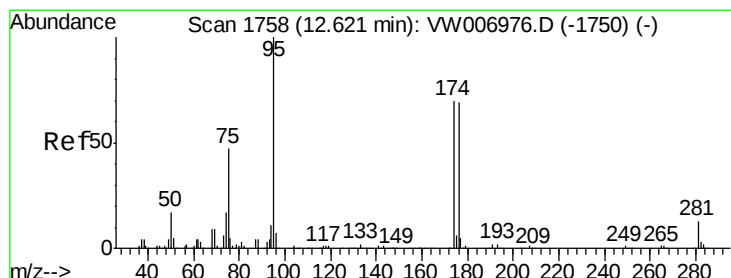
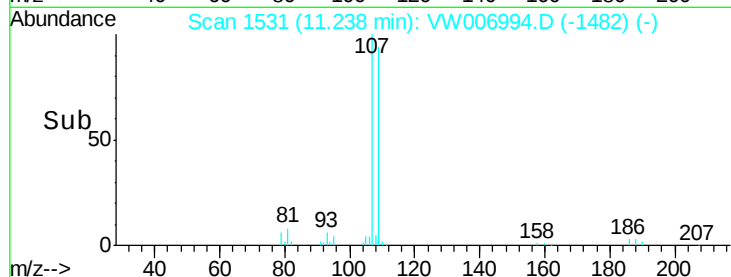
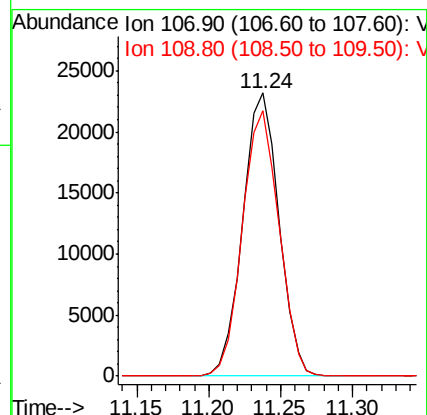
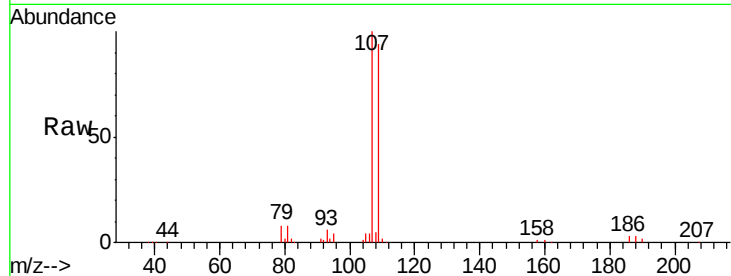




#61
 1,2-Dibromoethane
 Concen: 48.91 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

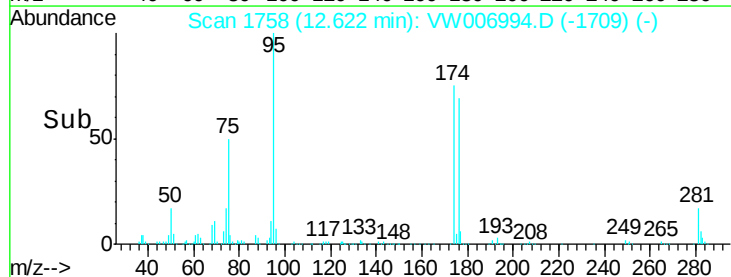
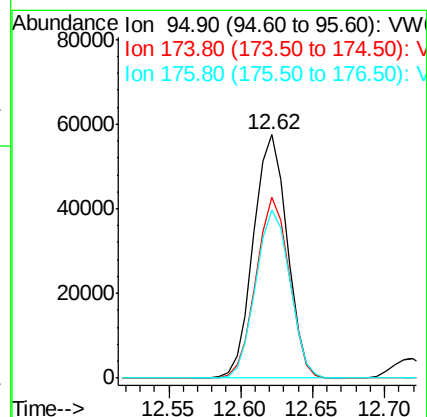
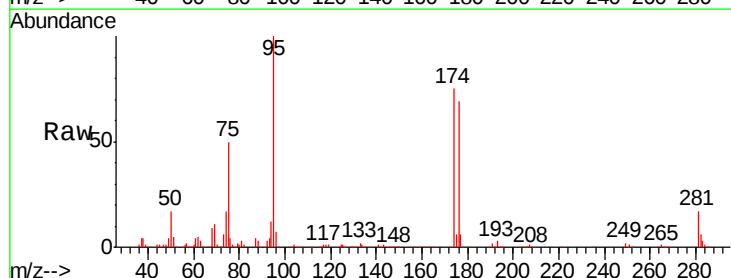
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

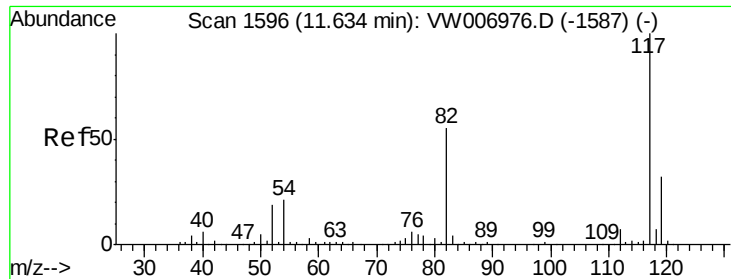
Tgt Ion: 107 Resp: 40379
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.32 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 95 Resp: 93035
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 143.6
 176 69.8 0.0 140.4

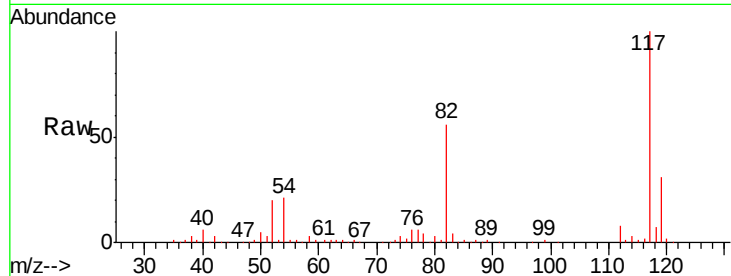




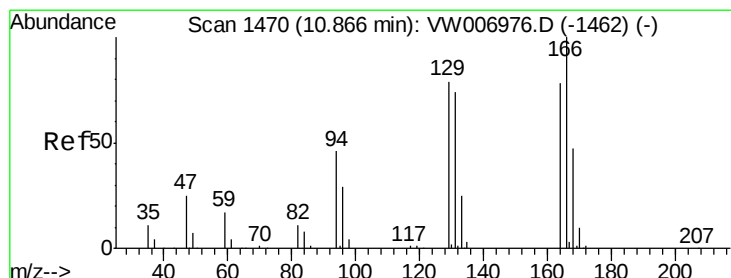
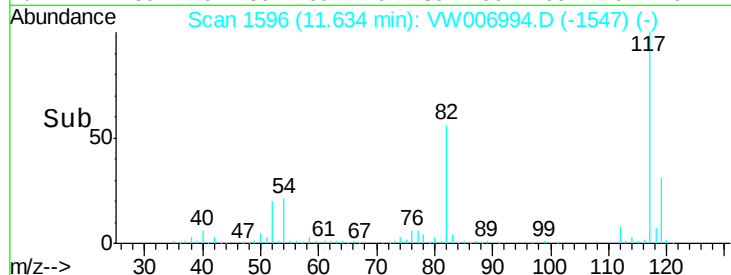
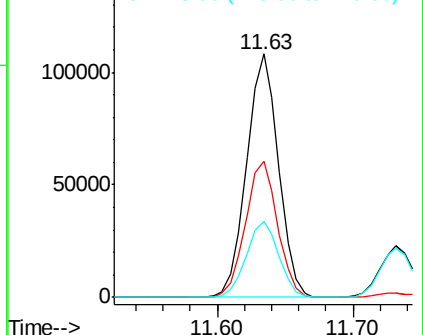
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 177474
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 31.5 25.9 38.9

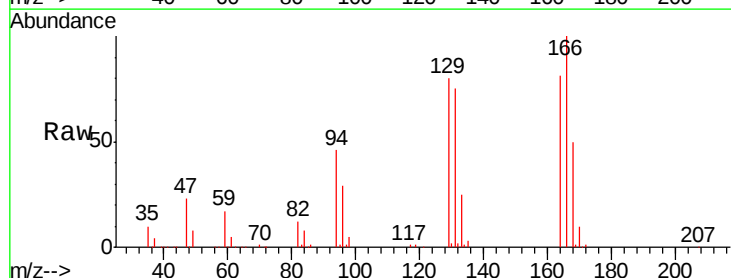


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

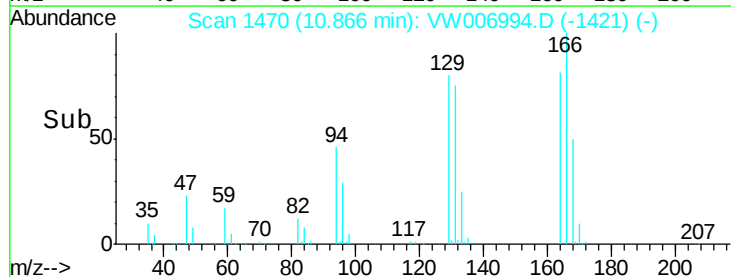
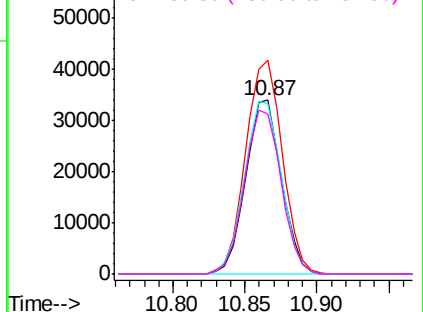


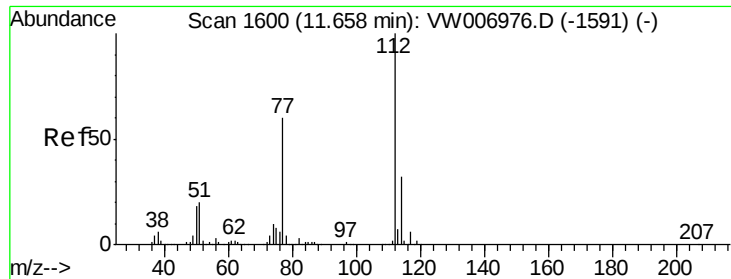
#64
Tetrachloroethene
Concen: 51.04 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion:164 Resp: 58278
Ion Ratio Lower Upper
164 100
166 122.9 102.1 153.1
129 97.9 80.4 120.6
131 92.1 75.2 112.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

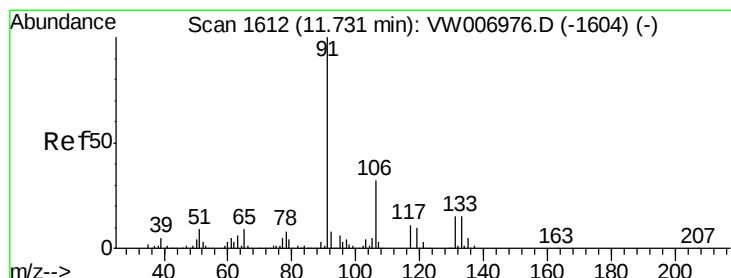
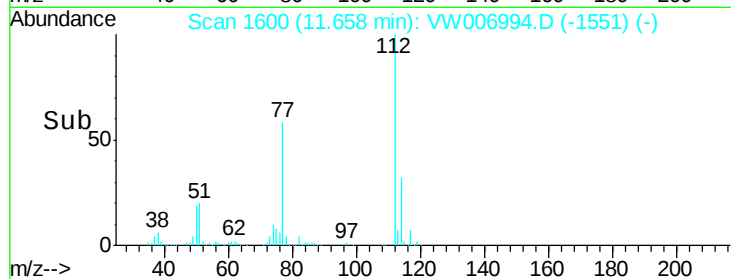
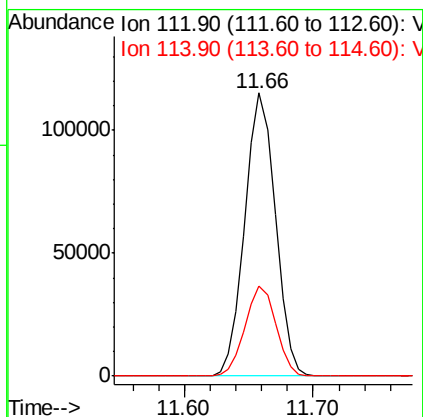
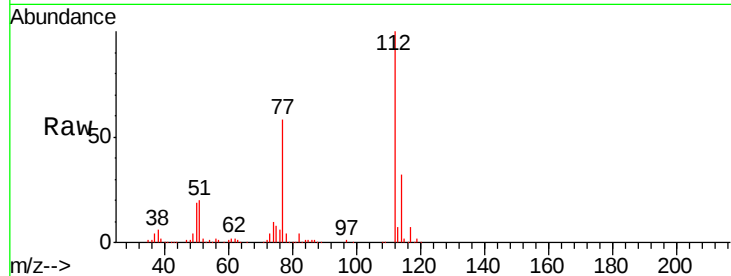




#65
Chlorobenzene
Concen: 51.07 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

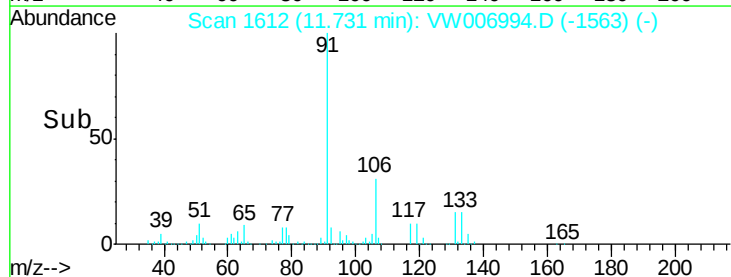
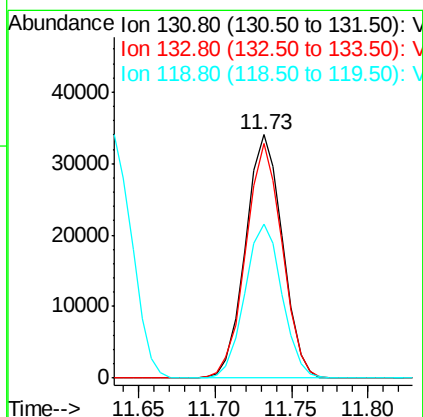
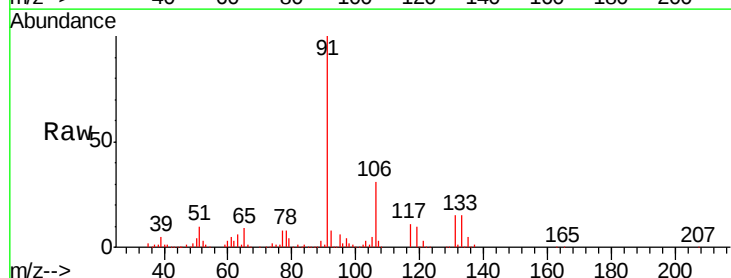
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

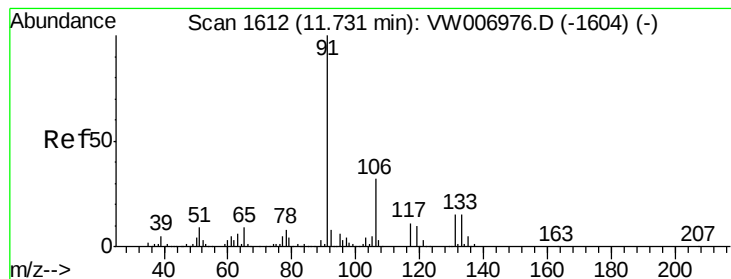
Tgt Ion:112 Resp: 189164
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.03 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion:131 Resp: 57183
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 63.7 31.8 95.3





#67

Ethyl Benzene

Concen: 52.31 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

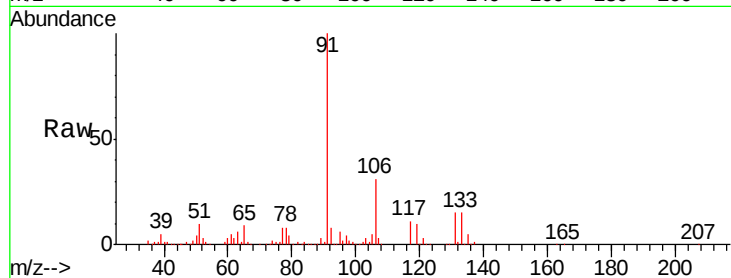
VSTDCCC050

Tgt Ion: 91 Resp: 355961

Ion Ratio Lower Upper

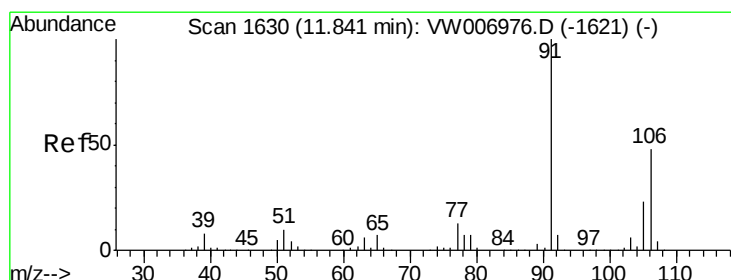
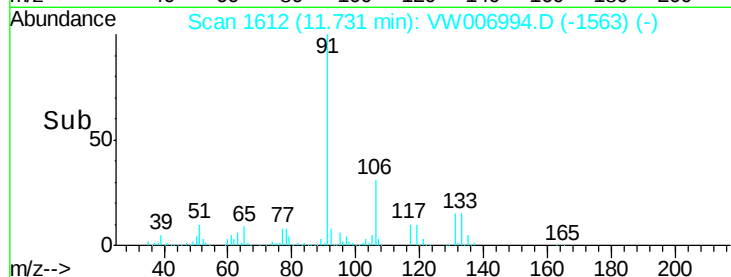
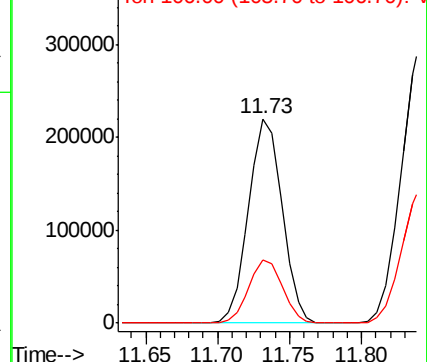
91 100

106 30.9 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.49 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW006994.D

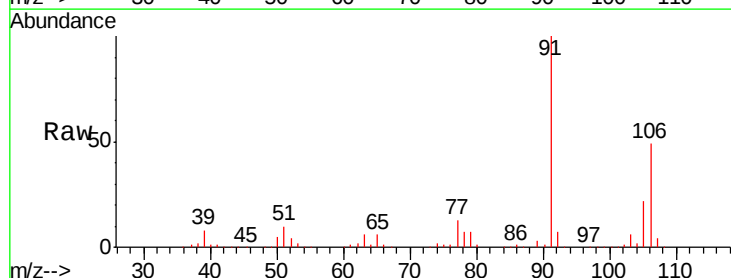
Acq: 21 Nov 2018 11:29

Tgt Ion: 106 Resp: 276294

Ion Ratio Lower Upper

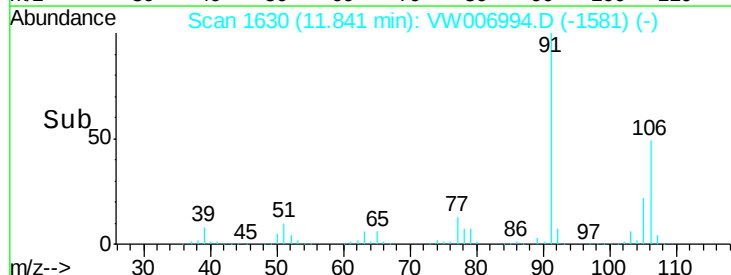
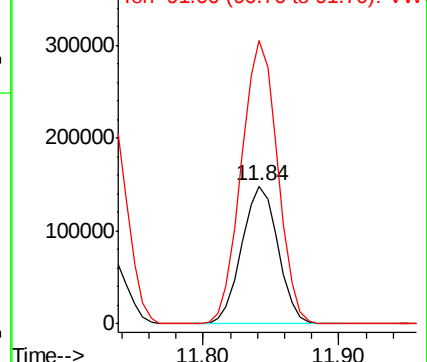
106 100

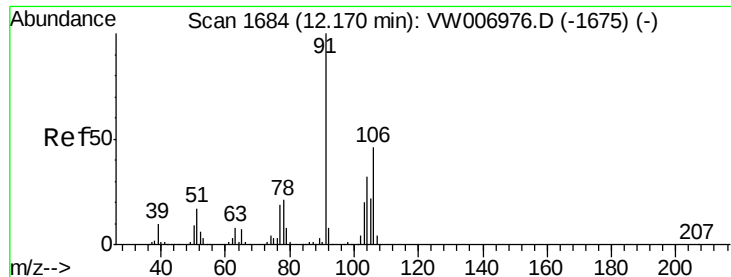
91 206.1 164.8 247.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

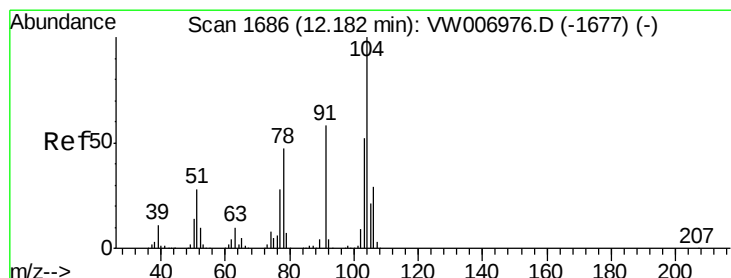
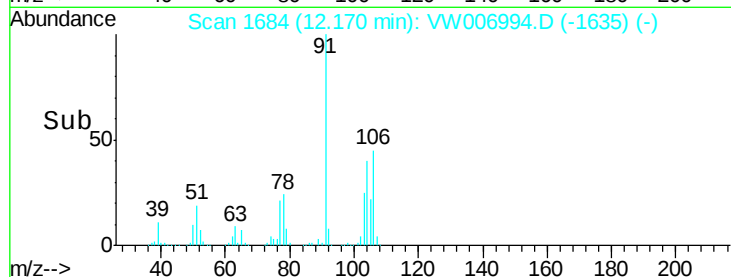
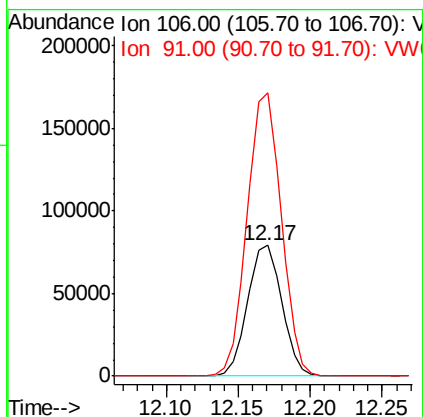
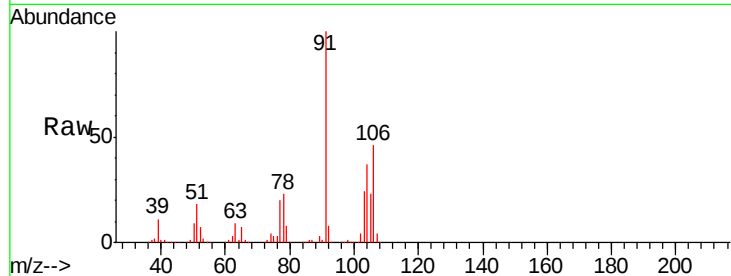




#69
o-Xylene
Concen: 51.73 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

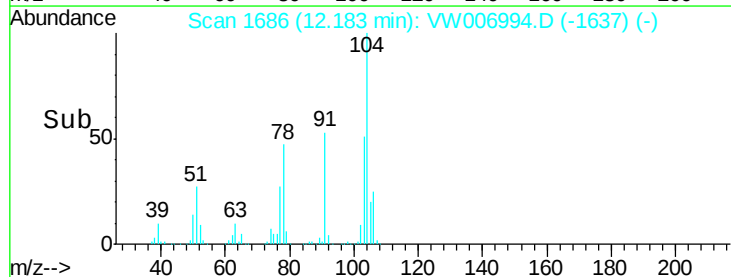
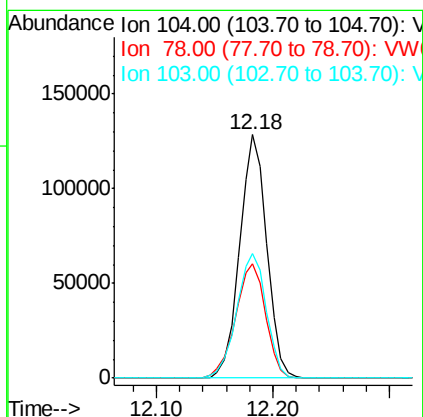
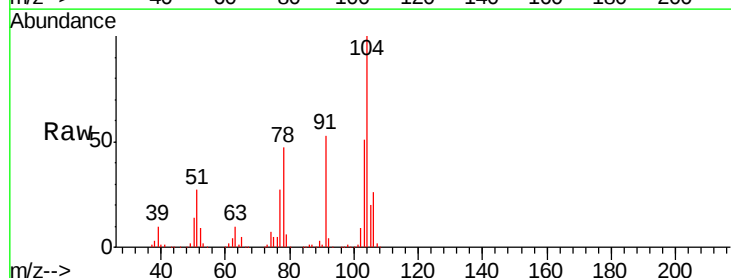
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

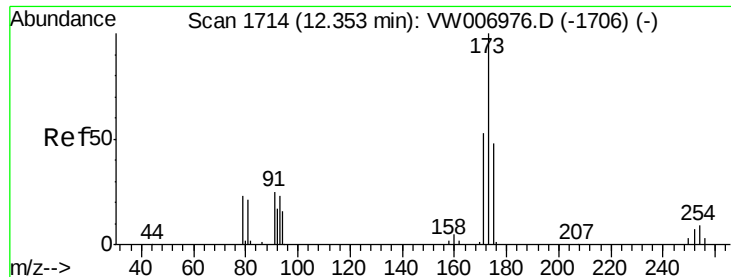
Tgt Ion:106 Resp: 130218
Ion Ratio Lower Upper
106 100
91 215.9 107.9 323.8



#70
Styrene
Concen: 51.76 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006994.D
Acq: 21 Nov 2018 11:29

Tgt Ion:104 Resp: 207391
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 56.2 44.4 66.6





#71

Bromoform

Concen: 50.83 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

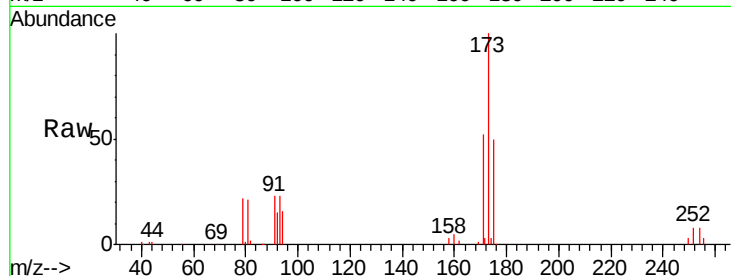
Tgt Ion:173 Resp: 26829

Ion Ratio Lower Upper

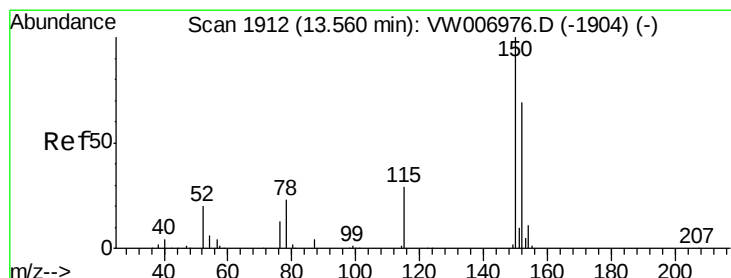
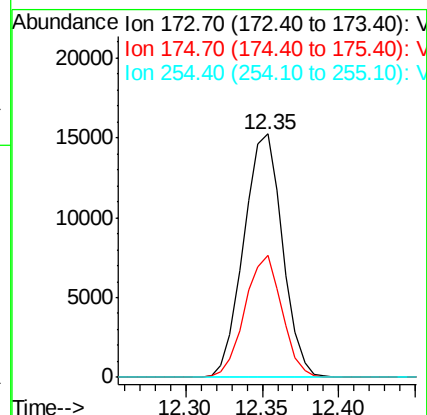
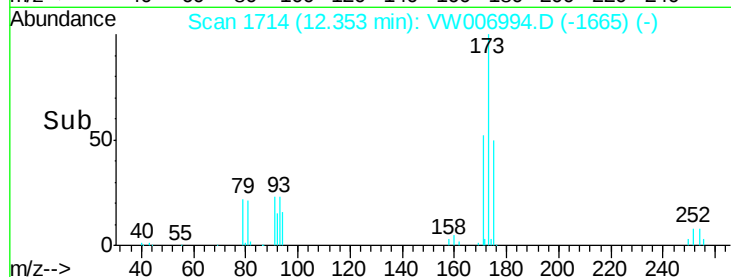
173 100

175 48.0 24.0 72.0

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

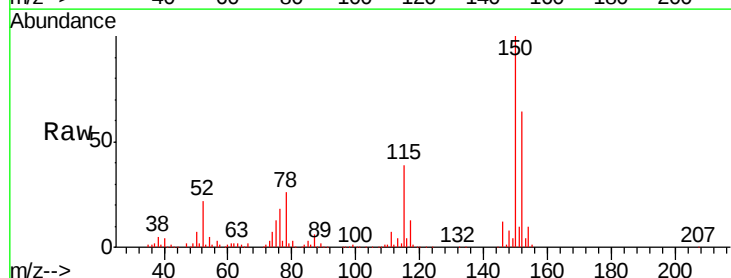
Tgt Ion:152 Resp: 88370

Ion Ratio Lower Upper

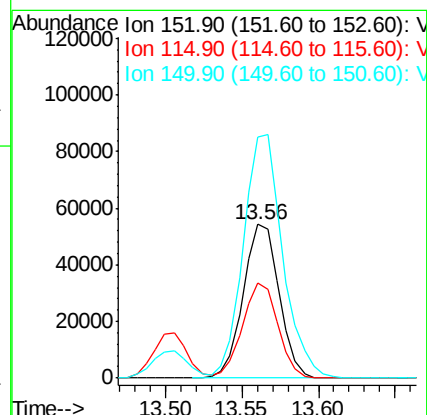
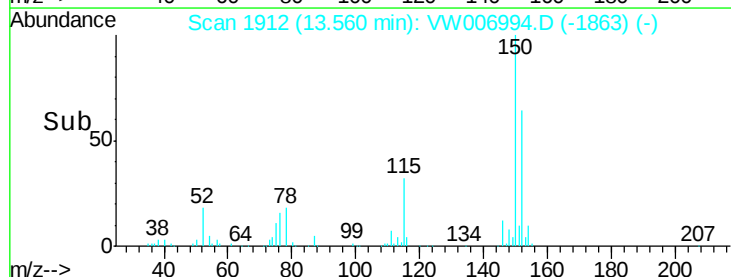
152 100

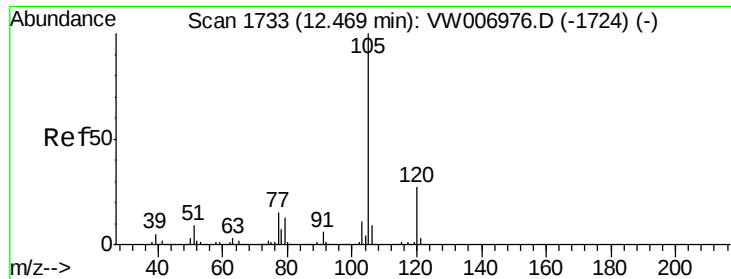
115 61.3 31.4 94.2

150 173.5 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.36 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

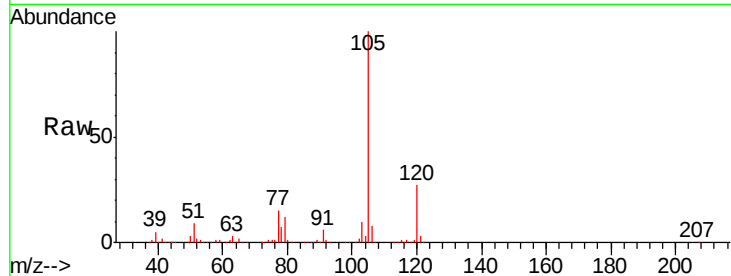
VSTDCCC050

Tgt Ion: 105 Resp: 359632

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

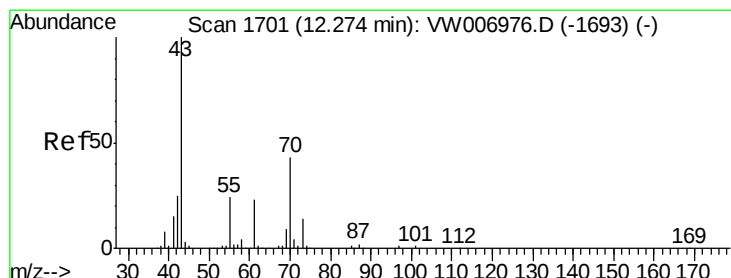
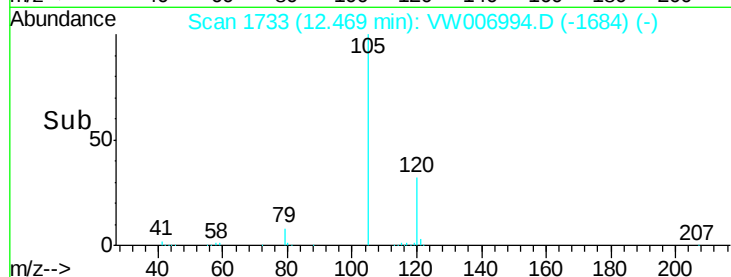
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 52.44 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Tgt Ion: 43 Resp: 60366

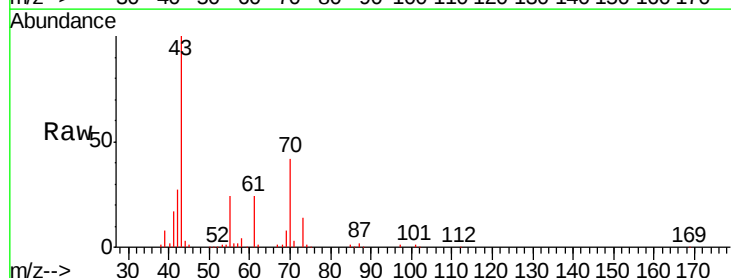
Ion Ratio Lower Upper

43 100

70 42.3 34.0 51.0

55 24.4 19.4 29.0

61 24.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

50000

40000

30000

20000

10000

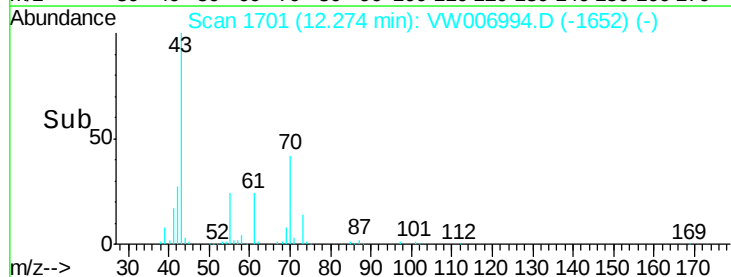
0

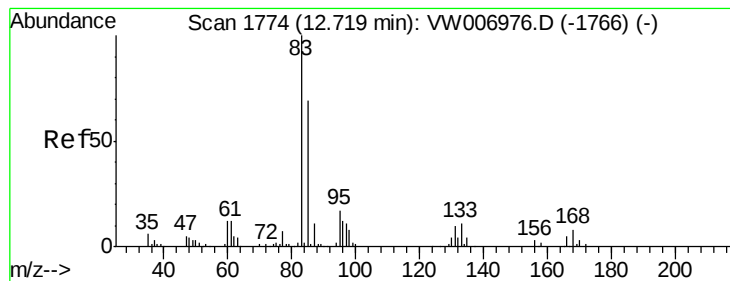
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.57 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

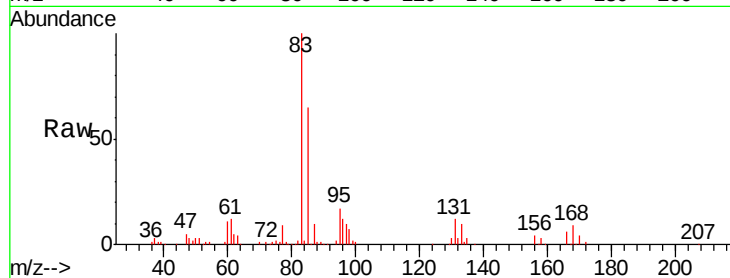
Tgt Ion: 83 Resp: 45308

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

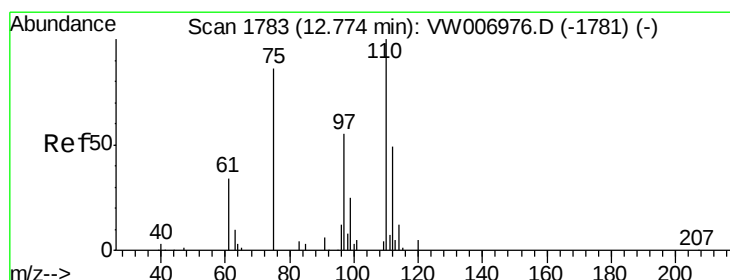
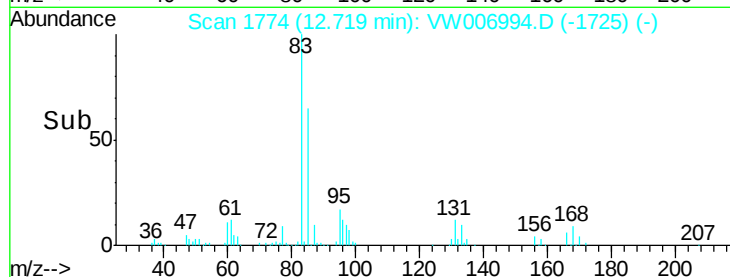
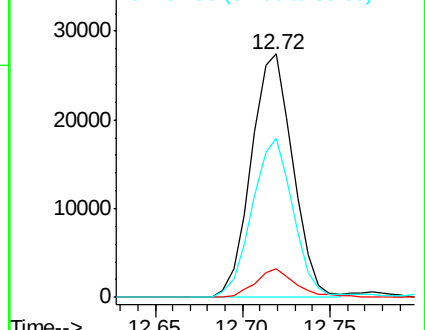
85 64.4 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 90.09 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW006994.D

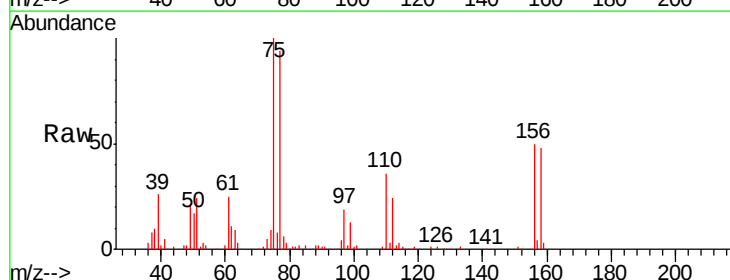
Acq: 21 Nov 2018 11:29

Tgt Ion: 75 Resp: 62561

Ion Ratio Lower Upper

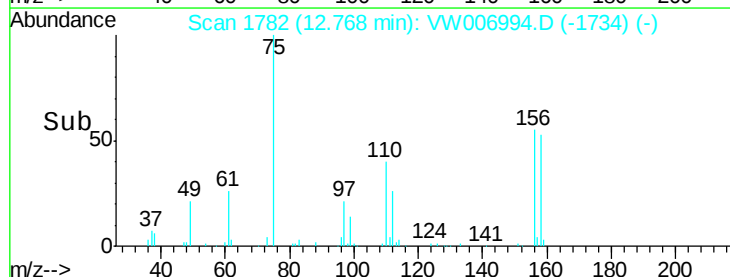
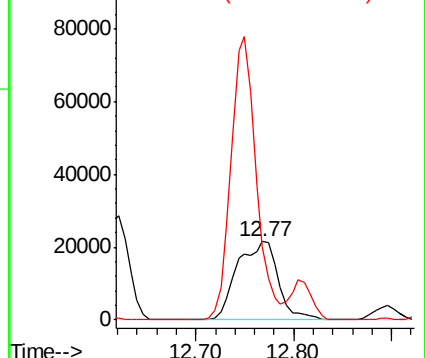
75 100

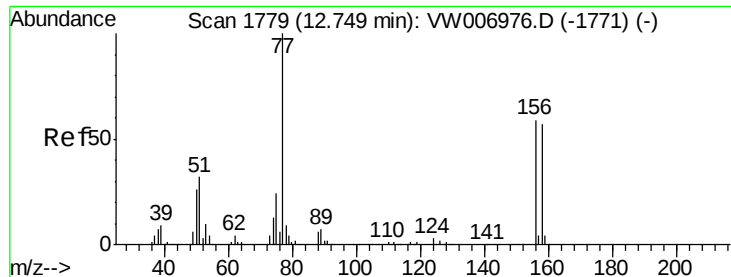
77 223.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.60 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

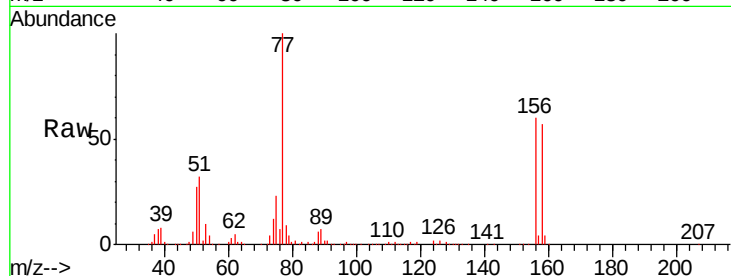
Tgt Ion:156 Resp: 74635

Ion Ratio Lower Upper

156 100

77 187.0 94.6 283.8

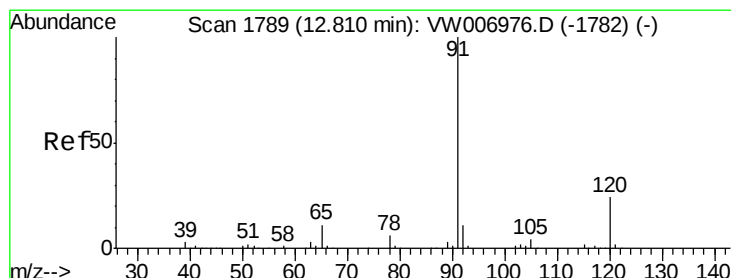
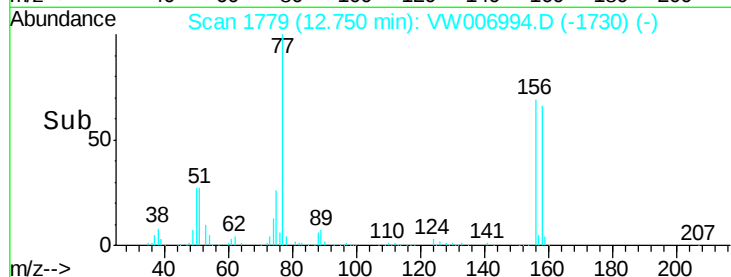
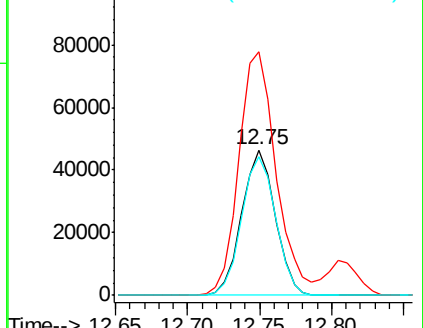
158 97.0 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.98 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006994.D

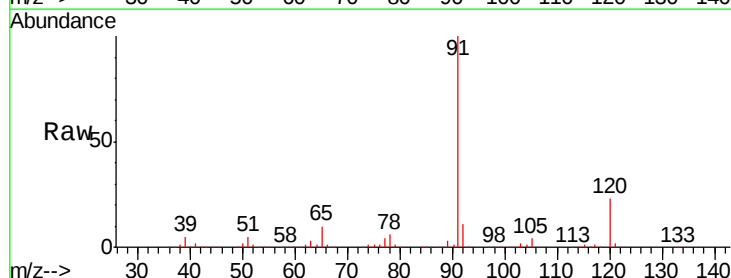
Acq: 21 Nov 2018 11:29

Tgt Ion: 91 Resp: 432418

Ion Ratio Lower Upper

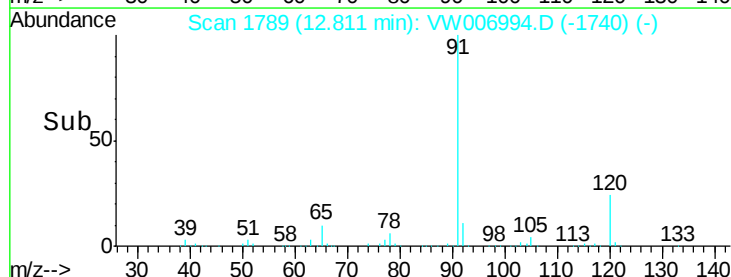
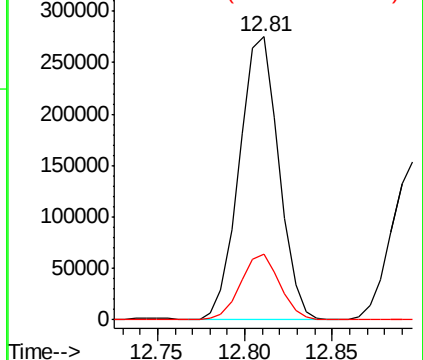
91 100

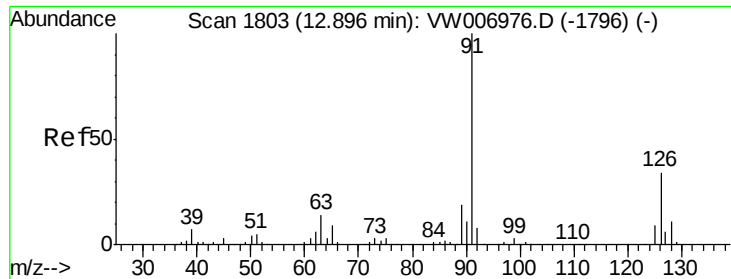
120 23.0 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

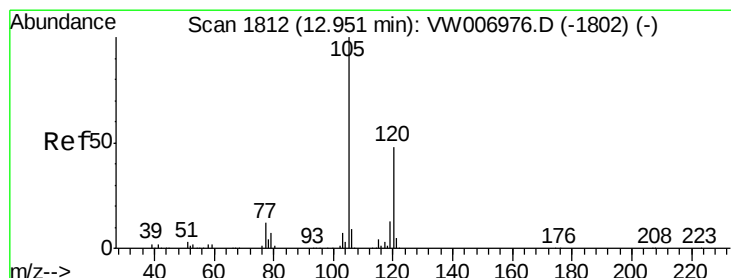
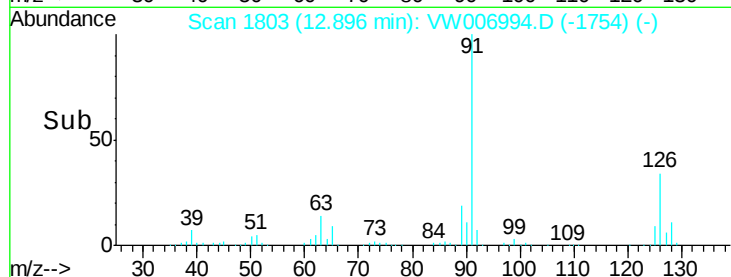
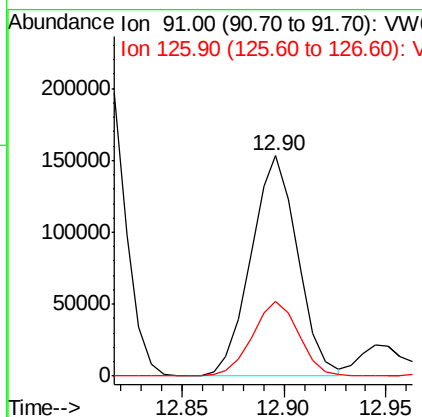
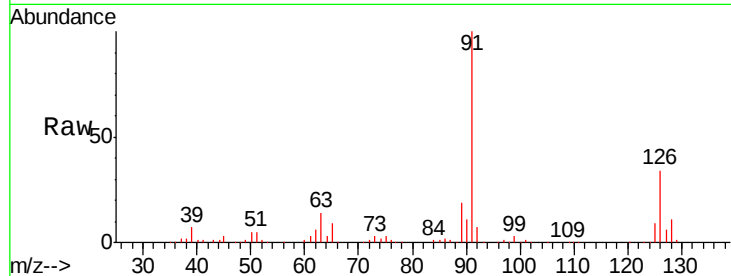




#79
 2-Chlorotoluene
 Concen: 50.83 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

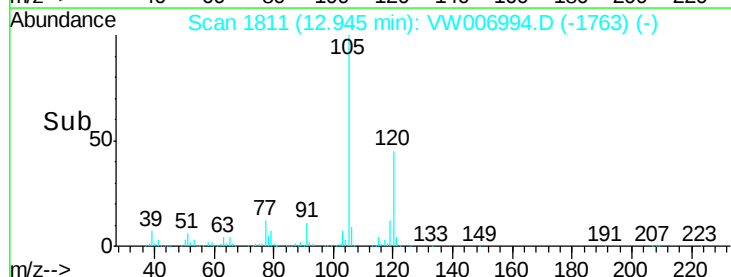
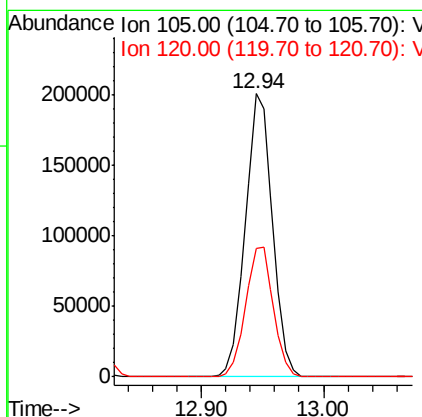
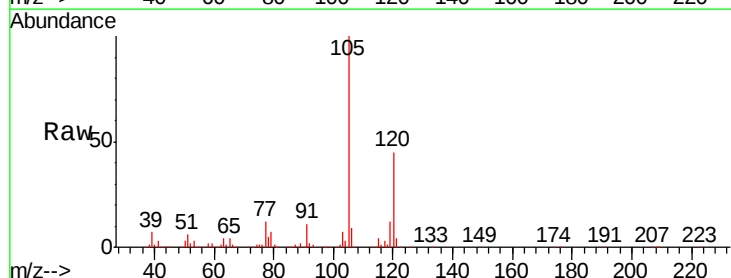
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

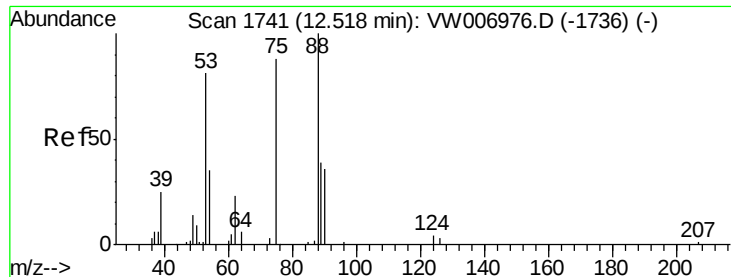
Tgt Ion: 91 Resp: 243803
 Ion Ratio Lower Upper
 91 100
 126 33.6 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 51.78 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 105 Resp: 307508
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.30 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

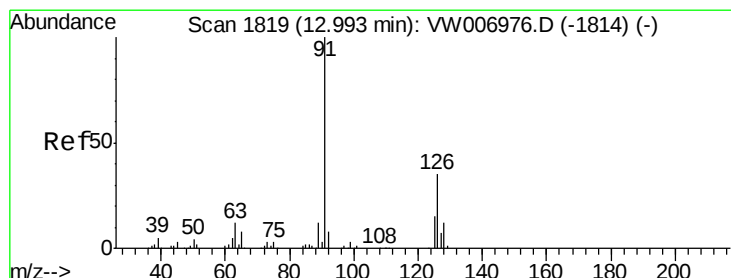
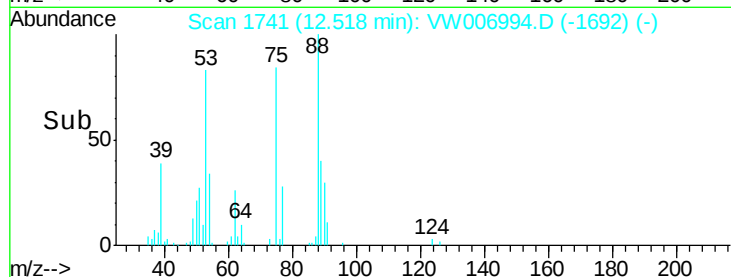
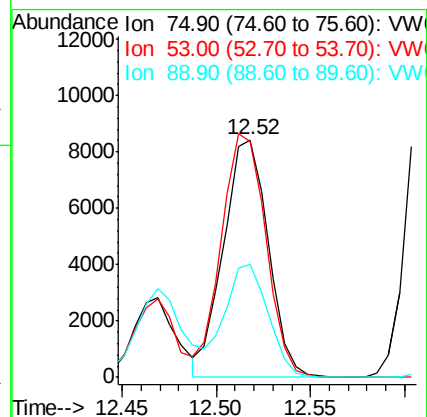
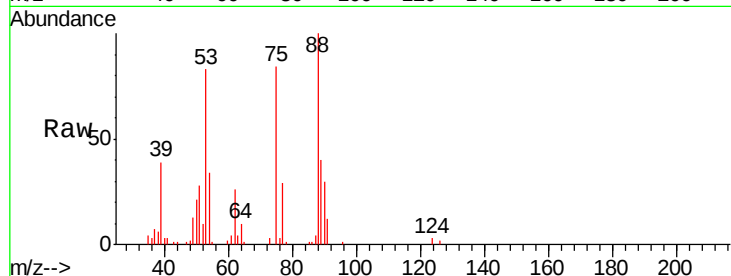
Tgt Ion: 75 Resp: 13913

Ion Ratio Lower Upper

75 100

53 101.9 77.6 116.4

89 45.9 39.3 58.9



#82

4-Chlorotoluene

Concen: 51.36 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006994.D

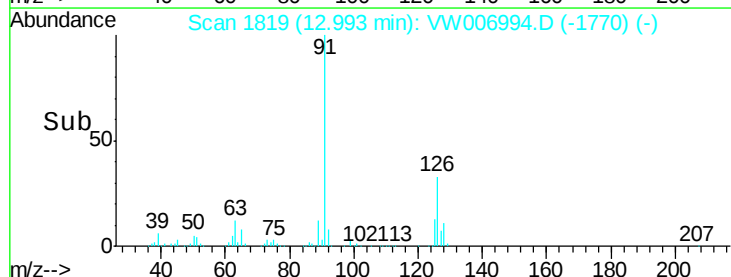
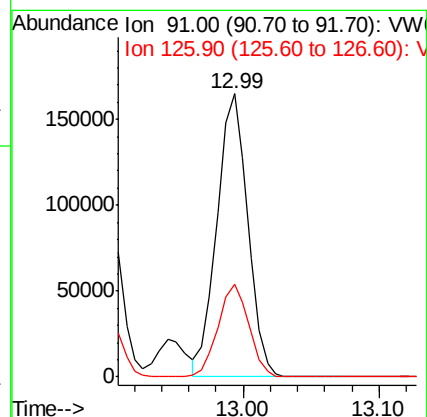
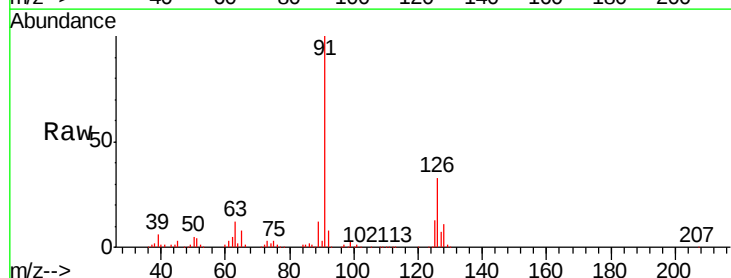
Acq: 21 Nov 2018 11:29

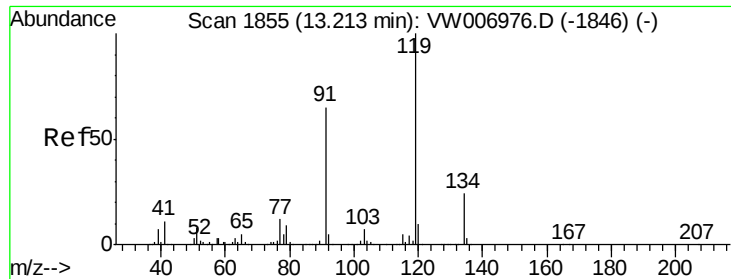
Tgt Ion: 91 Resp: 258544

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.7

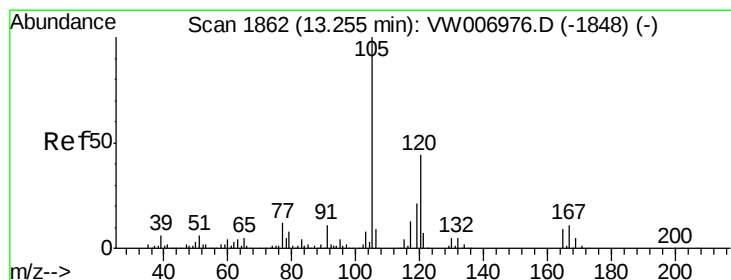
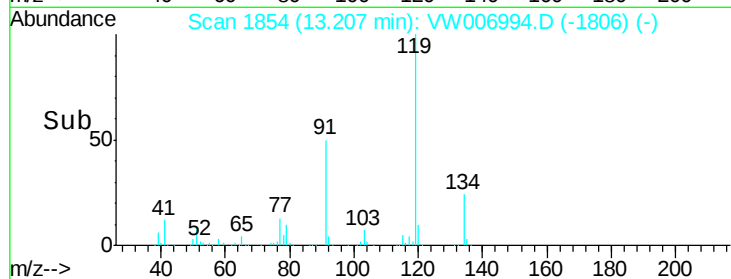
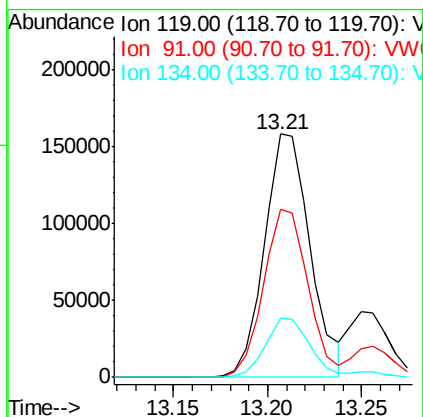
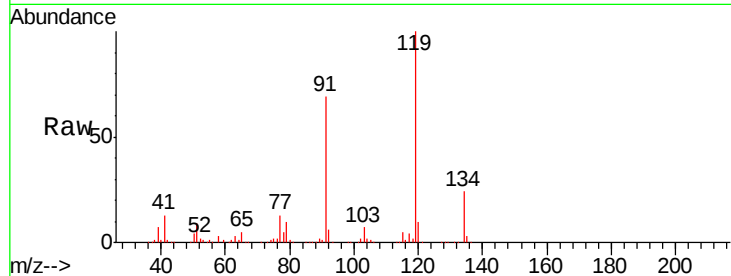




#83
 tert-Butylbenzene
 Concen: 51.75 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

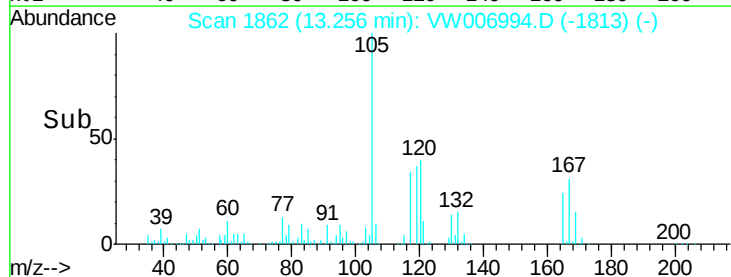
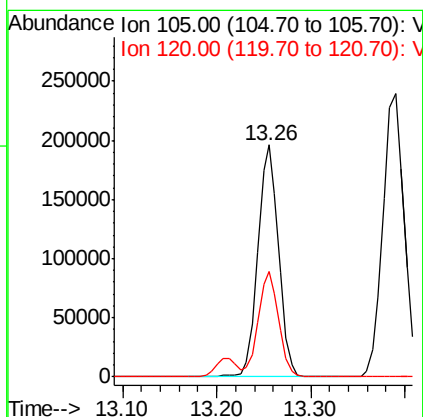
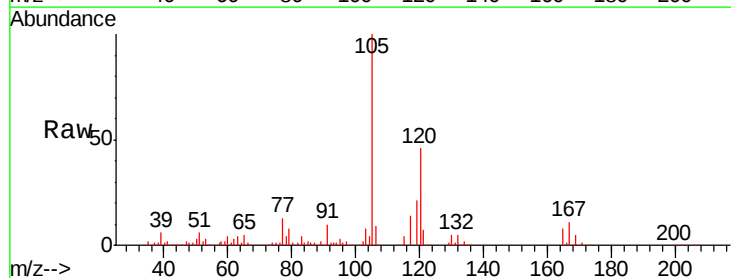
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

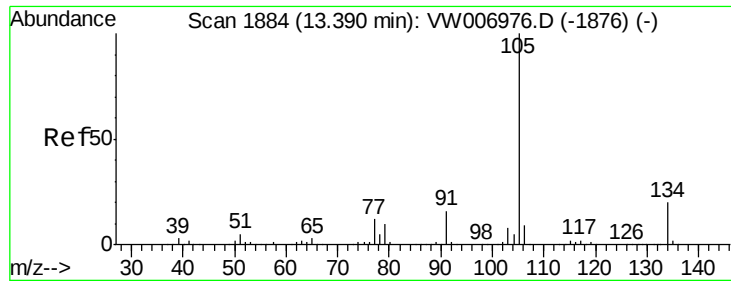
Tgt Ion:119 Resp: 266114
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.5 100.5
 134 23.9 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 51.38 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion:105 Resp: 304049
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.8 65.3

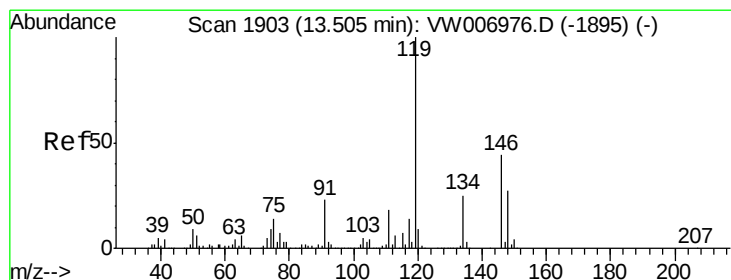
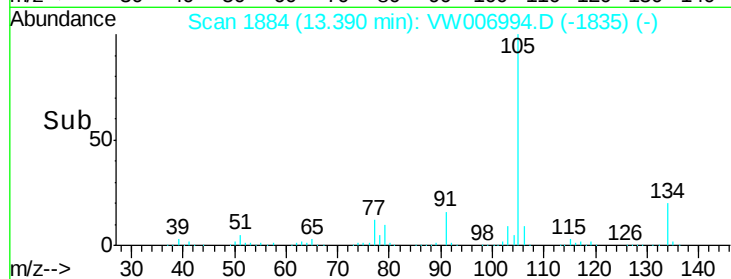
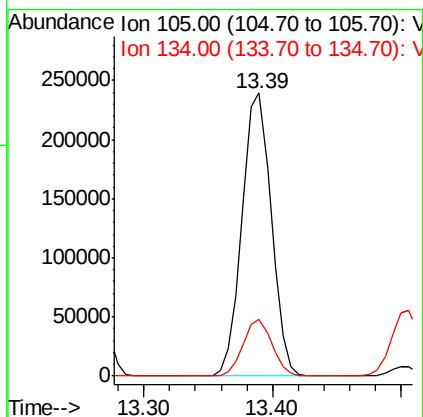
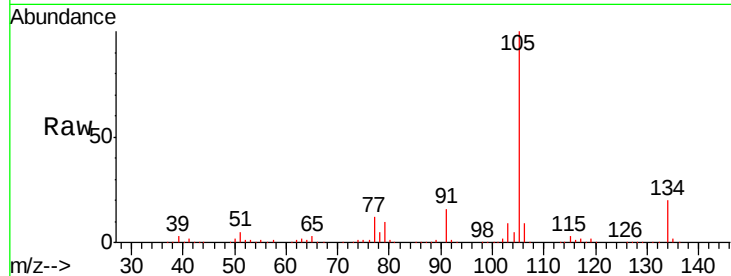




#85
 sec-Butylbenzene
 Concen: 51.76 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

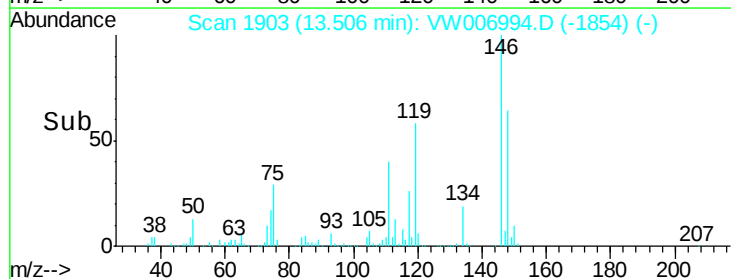
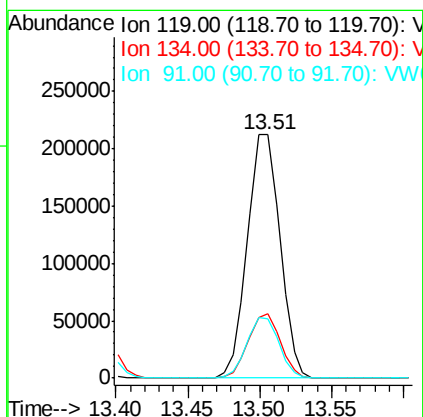
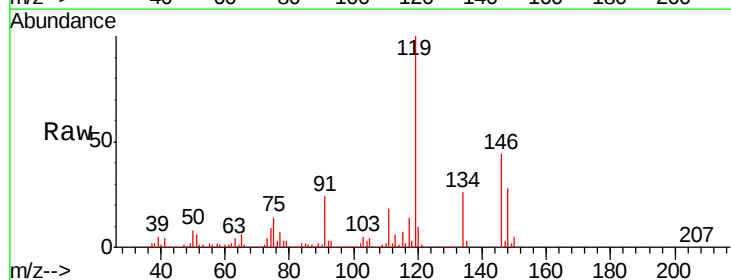
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

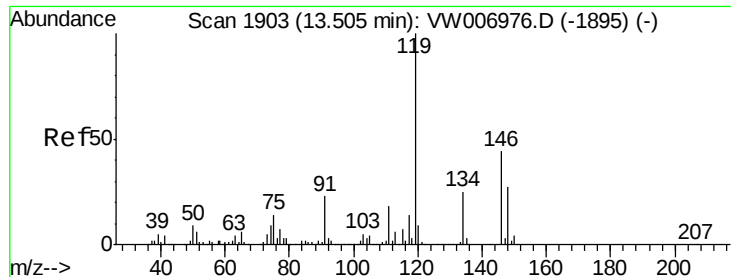
Tgt Ion:105 Resp: 375997
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 51.99 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion:119 Resp: 333158
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 24.5 12.2 36.6

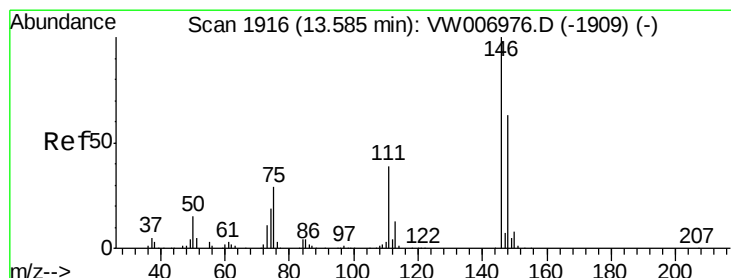
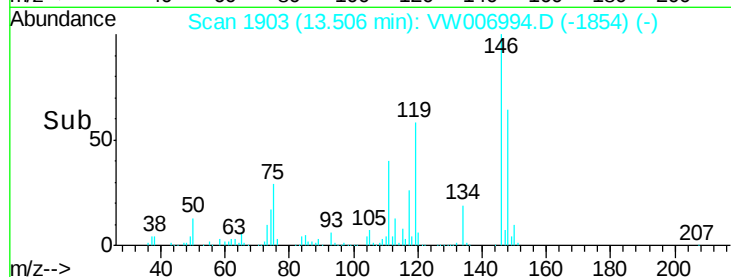
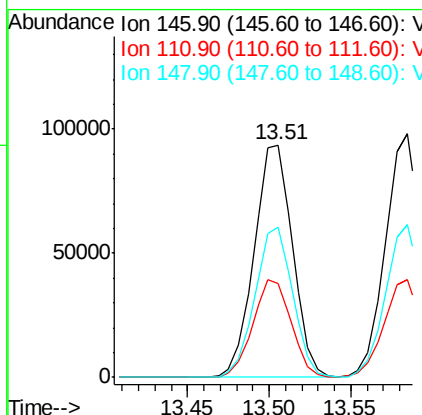
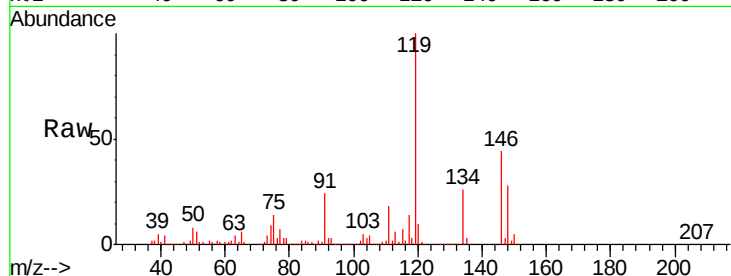




#87
 1,3-Dichlorobenzene
 Concen: 51.03 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

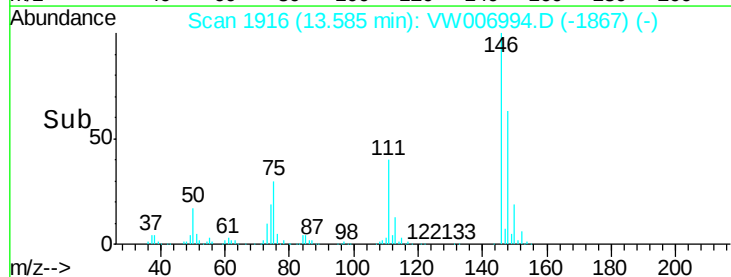
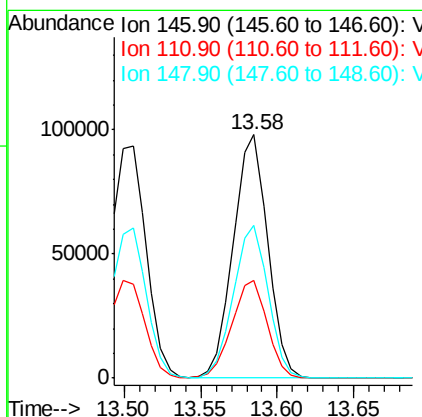
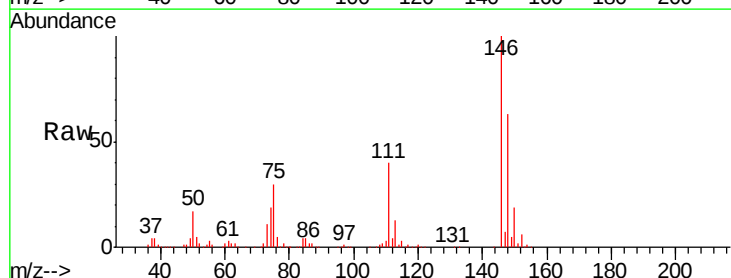
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

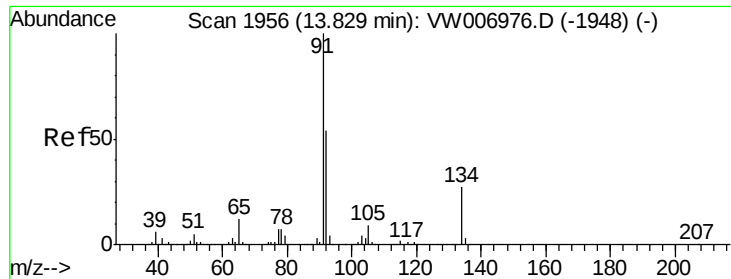
Tgt Ion:146 Resp: 153678
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.3
 148 63.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 51.14 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion:146 Resp: 153561
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.6 61.8
 148 62.9 32.3 96.8





#89

n-Butylbenzene

Concen: 52.75 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

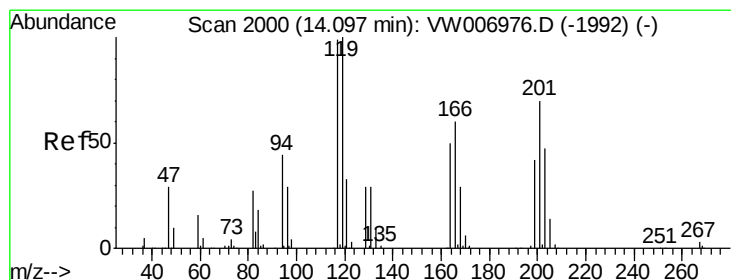
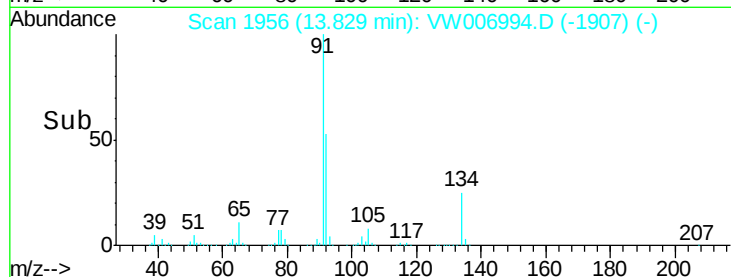
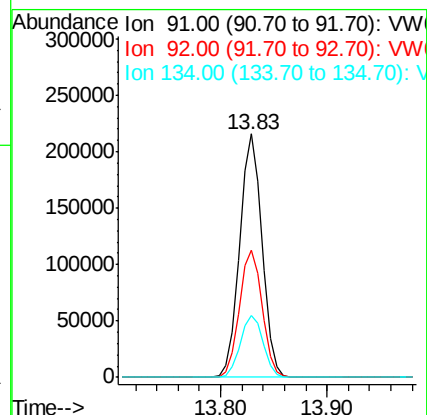
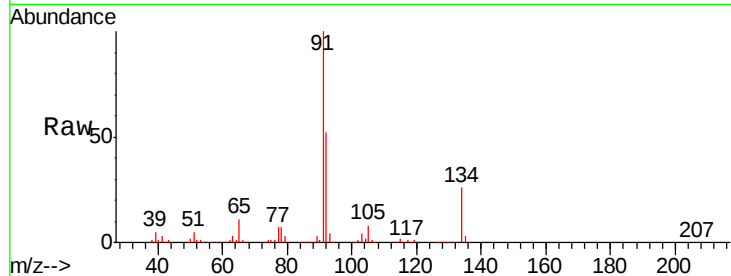
Tgt Ion: 91 Resp: 318117

Ion Ratio Lower Upper

91 100

92 53.4 26.8 80.4

134 26.0 13.3 39.8



#90

Hexachloroethane

Concen: 51.96 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006994.D

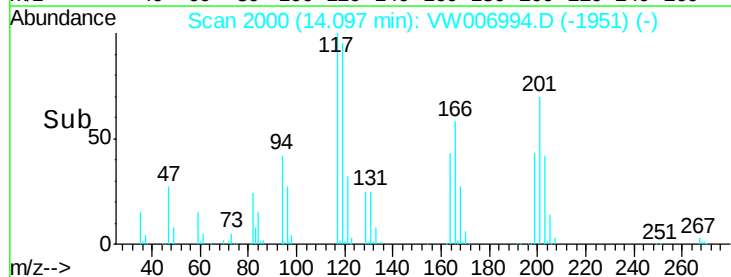
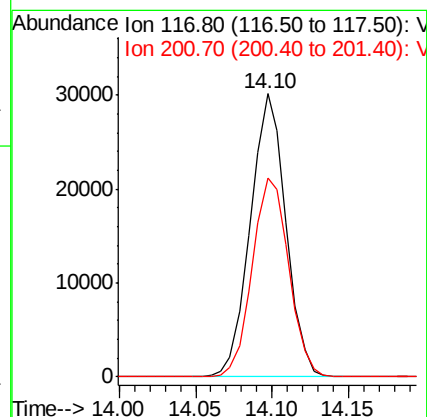
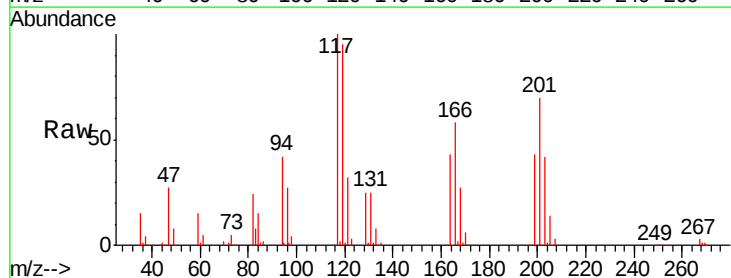
Acq: 21 Nov 2018 11:29

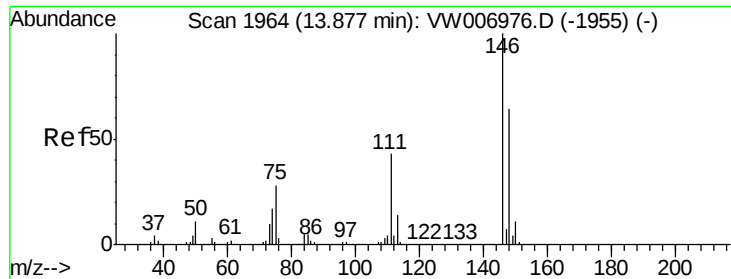
Tgt Ion: 117 Resp: 48618

Ion Ratio Lower Upper

117 100

201 72.3 35.9 107.5

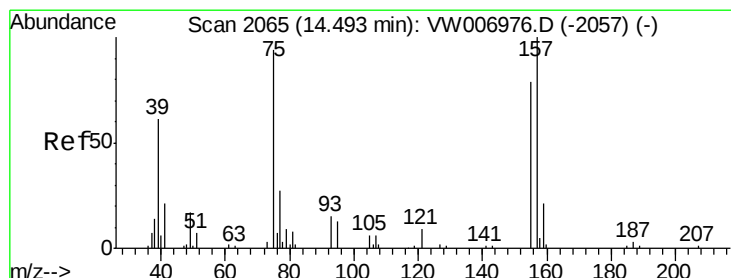
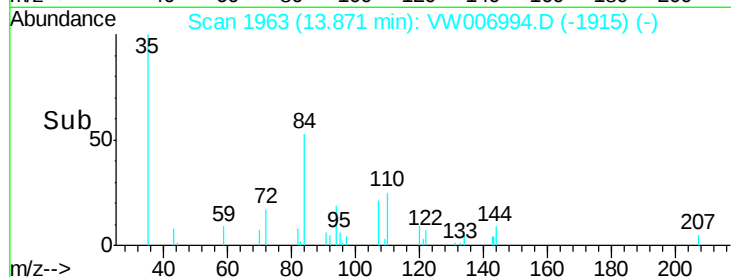
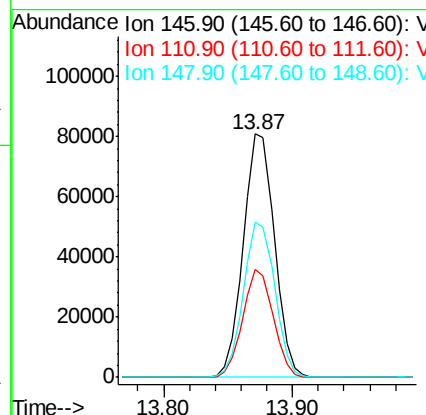
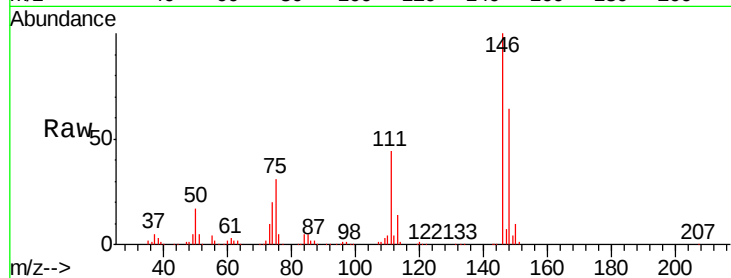




#91
 1,2-Dichlorobenzene
 Concen: 51.34 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

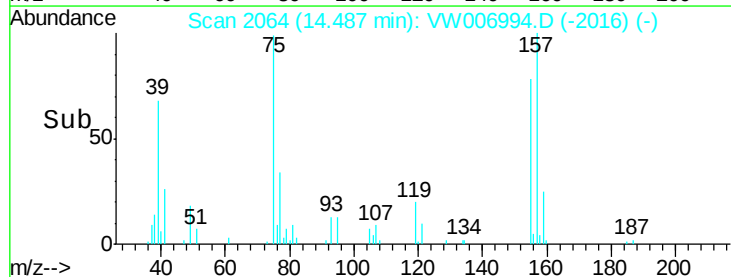
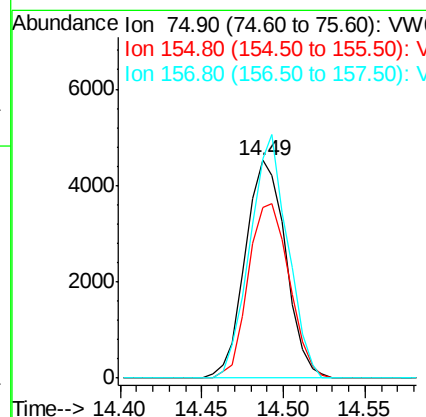
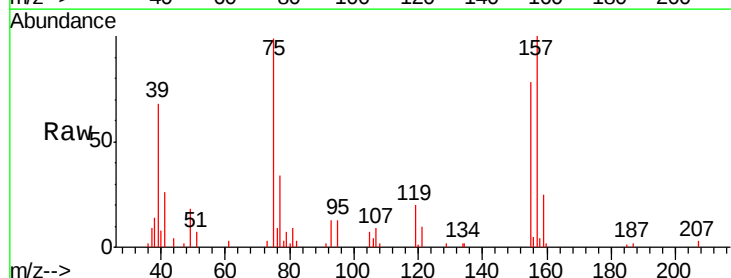
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

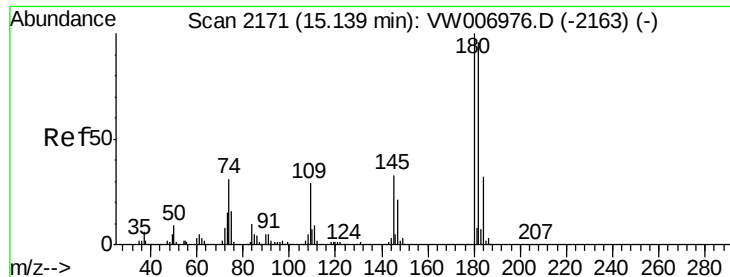
Tgt Ion: 146 Resp: 135466
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.9 65.7
 148 64.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.62 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion: 75 Resp: 7814
 Ion Ratio Lower Upper
 75 100
 155 81.3 42.6 127.8
 157 103.9 55.0 165.0

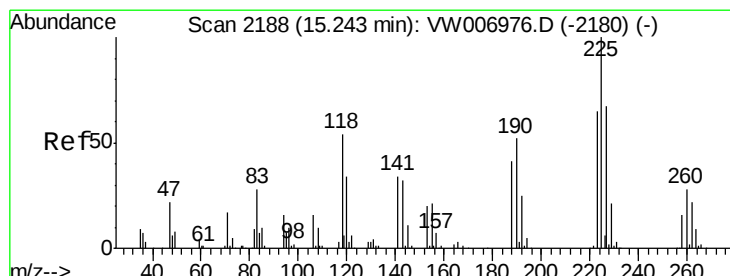
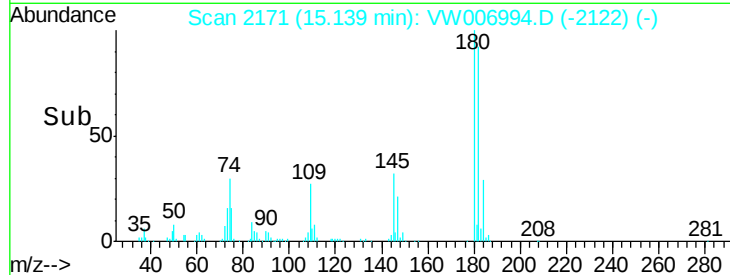
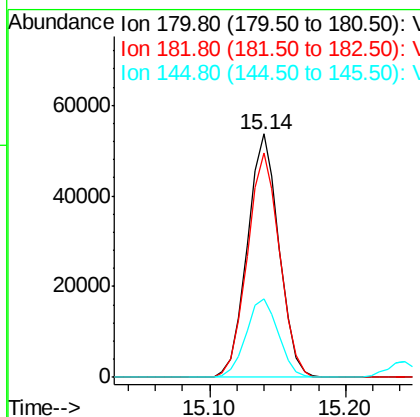
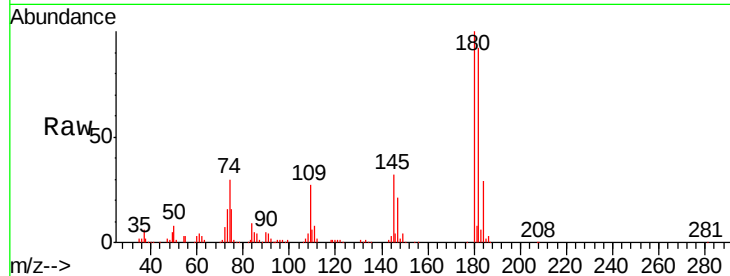




#93
 1,2,4-Trichlorobenzene
 Concen: 50.13 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

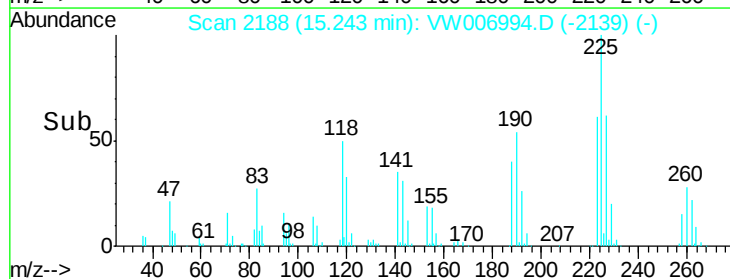
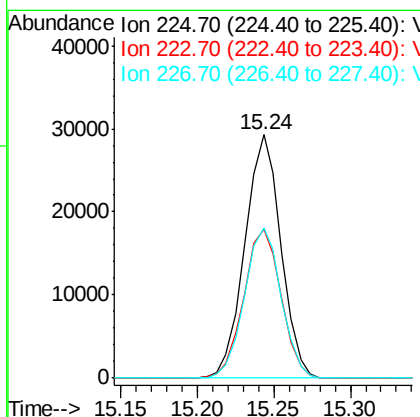
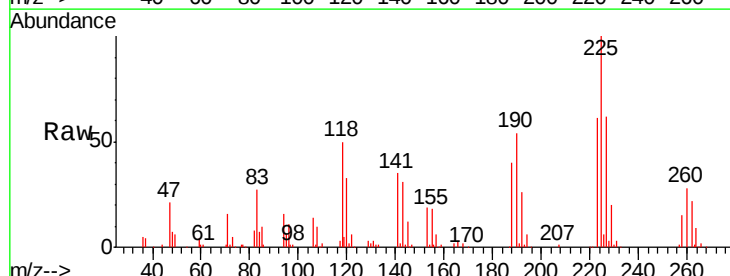
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

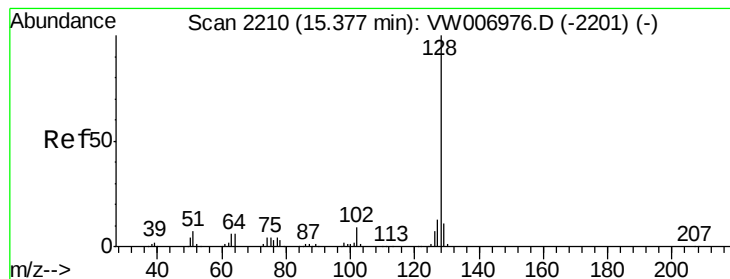
Tgt Ion:180 Resp: 87230
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.1 141.3
 145 33.0 16.5 49.5



#94
 Hexachlorobutadiene
 Concen: 50.77 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006994.D
 Acq: 21 Nov 2018 11:29

Tgt Ion:225 Resp: 48025
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.4 97.0
 227 62.6 31.9 95.5





#95

Naphthalene

Concen: 49.60 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

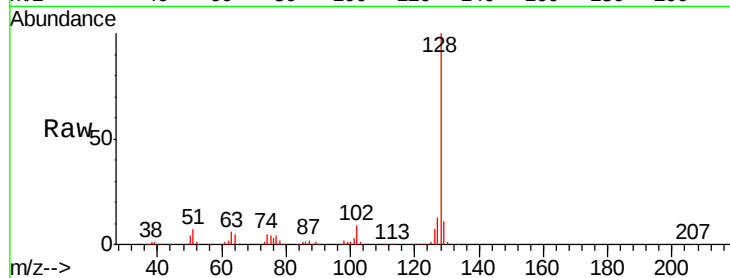
Tgt Ion:128 Resp: 156658

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

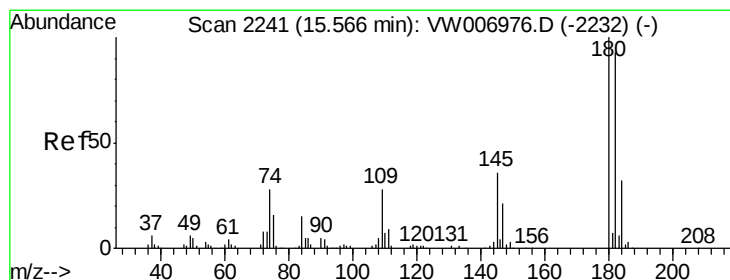
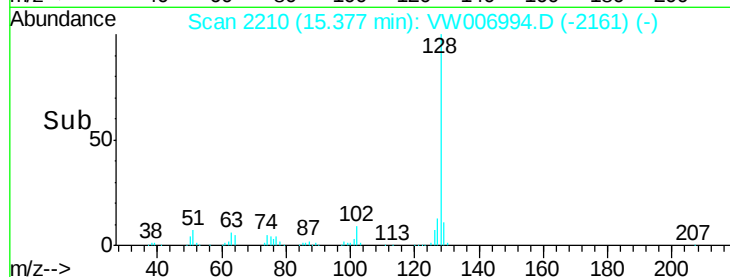
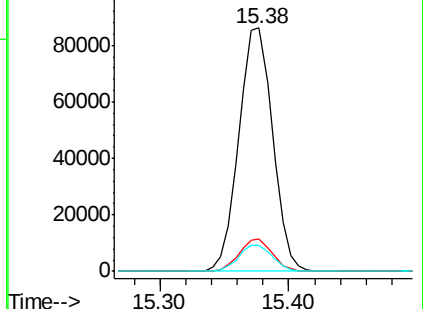
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.65 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006994.D

Acq: 21 Nov 2018 11:29

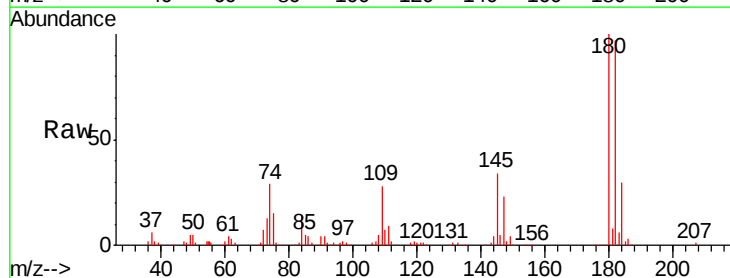
Tgt Ion:180 Resp: 73120

Ion Ratio Lower Upper

180 100

182 93.6 47.0 141.2

145 34.9 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

