

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV122418\
 Data File : VW007843.D
 Acq On : 22 Dec 2018 15:09
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 23 23:53:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	82177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	131191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	113373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	44715	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.88	113	42546	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	10.32	98	171890	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
62) 4-Bromofluorobenzene	12.62	95	64969	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34716	47.521	ug/l	99
3) Chloromethane	2.22	50	28821	64.247	ug/l	99
4) Vinyl Chloride	2.37	62	39410	69.014	ug/l	95
5) Bromomethane	2.78	94	24768	62.272	ug/l	96
6) Chloroethane	2.93	64	21761	71.230	ug/l	95
7) Trichlorofluoromethane	3.26	101	33057	55.603	ug/l	99
8) Diethyl Ether	3.68	74	18230	50.063	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44877	51.254	ug/l	98
10) Methyl Iodide	4.26	142	71143	51.093	ug/l	95
11) Tert butyl alcohol	5.17	59	14425	237.413	ug/l	100
12) 1,1-Dichloroethene	4.03	96	43378	53.502	ug/l	98
13) Acrolein	3.89	56	13396	275.749	ug/l	99
14) Allyl chloride	4.67	41	62959	59.215	ug/l	91
15) Acrylonitrile	5.37	53	40376	259.934	ug/l	100
16) Acetone	4.12	43	40450	239.826	ug/l	99
17) Carbon Disulfide	4.37	76	126623	50.468	ug/l	97
18) Methyl Acetate	4.67	43	22280	55.544	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	66528	57.156	ug/l	96
20) Methylene Chloride	4.91	84	55021	67.429	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	45761	51.319	ug/l	88
22) Diisopropyl ether	6.31	45	114486	57.506	ug/l	99
23) Vinyl Acetate	6.26	43	320817	271.231	ug/l	100
24) 1,1-Dichloroethane	6.21	63	77142	52.672	ug/l	99
25) 2-Butanone	7.17	43	49443	250.275	ug/l	98
26) 2,2-Dichloropropane	7.17	77	58809	54.873	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49312	51.907	ug/l	97
28) Bromochloromethane	7.51	49	28295	56.663	ug/l	94
29) Tetrahydrofuran	7.53	42	31688	268.910	ug/l	95
30) Chloroform	7.67	83	81014	48.879	ug/l	94
31) Cyclohexane	7.96	56	74414	55.500	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	75316	49.894	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67518	53.322	ug/l	99
37) Ethyl Acetate	7.25	43	22454	51.383	ug/l	99
38) Carbon Tetrachloride	8.07	117	68636	46.027	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	88709	56.380	ug/l	98
40) Benzene	8.32	78	178721	52.893	ug/l	99
41) Methacrylonitrile	7.48	41	13876	55.928	ug/l	94
42) 1,2-Dichloroethane	8.40	62	53049	46.849	ug/l	98
43) Isopropyl Acetate	8.43	43	45788	52.300	ug/l	99
44) Trichloroethene	9.09	130	52867	51.738	ug/l	98
45) 1,2-Dichloropropane	9.37	63	40808	54.429	ug/l	98
46) Dibromomethane	9.46	93	22410	48.557	ug/l	98
47) Bromodichloromethane	9.65	83	56860	46.863	ug/l	99
48) Methyl methacrylate	9.44	41	23655	54.130	ug/l	92
49) 1,4-Dioxane	9.45	88	6845	935.460	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	107361	259.478	ug/l	100
52) Toluene	10.39	92	132950	58.645	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	61845	51.245	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	70023	52.529	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31690	49.807	ug/l	98
56) Ethyl methacrylate	10.65	69	39616	52.699	ug/l	95
57) 1,3-Dichloropropane	10.93	76	53841	50.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	103680	302.079	ug/l	97
59) 2-Hexanone	10.97	43	76069	261.421	ug/l	99
60) Dibromochloromethane	11.13	129	37286	44.260	ug/l	100
61) 1,2-Dibromoethane	11.24	107	31403	48.739	ug/l	100
64) Tetrachloroethene	10.86	164	42135	52.483	ug/l	97
65) Chlorobenzene	11.66	112	130481	53.173	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	43837	49.996	ug/l	97
67) Ethyl Benzene	11.73	91	238687	56.684	ug/l	96
68) m/p-Xylenes	11.84	106	186489	114.169	ug/l	100
69) o-Xylene	12.17	106	86212	56.306	ug/l	99
70) Styrene	12.18	104	139082	55.259	ug/l	99
71) Bromoform	12.35	173	19682	43.241	ug/l #	97
73) Isopropylbenzene	12.47	105	247202	57.690	ug/l	99
74) N-amyl acetate	12.27	43	42688	57.514	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	33892	52.753	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	47339	108.044	ug/l #	100
77) Bromobenzene	12.75	156	51204	52.142	ug/l	96
78) n-propylbenzene	12.81	91	287122	57.563	ug/l	99
79) 2-Chlorotoluene	12.90	91	163628	56.312	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209925	56.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11188	53.600	ug/l	96
82) 4-Chlorotoluene	12.99	91	172676	55.811	ug/l	100
83) tert-Butylbenzene	13.21	119	185264	57.127	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	210774	56.514	ug/l	100
85) sec-Butylbenzene	13.39	105	259211	57.995	ug/l	99
86) p-Isopropyltoluene	13.51	119	232620	57.237	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	105082	53.895	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105083	53.879	ug/l	100
89) n-Butylbenzene	13.83	91	217104	58.262	ug/l	99
90) Hexachloroethane	14.10	117	34237	47.984	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	92466	52.968	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5805	43.998	ug/l	91

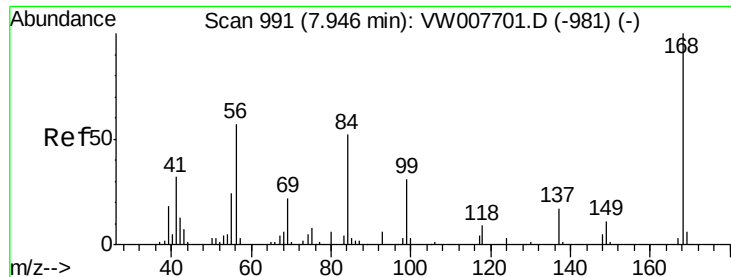
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	64846	53.513	ug/l	99
94) Hexachlorobutadiene	15.24	225	35695	55.119	ug/l	99
95) Naphthalene	15.38	128	122712	54.773	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	54951	52.976	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

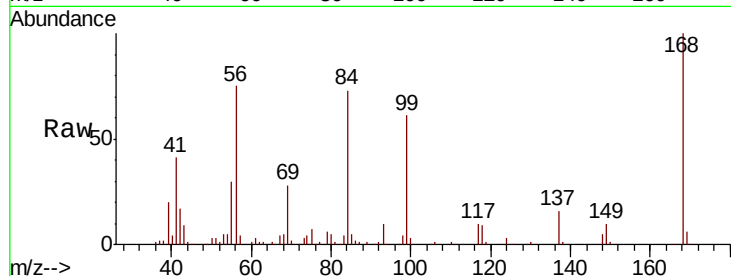
VSTDCCC050

Tgt Ion: 168 Resp: 82177

Ion Ratio Lower Upper

168 100

99 60.9 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

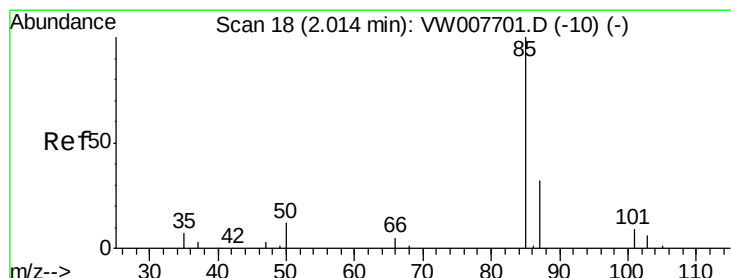
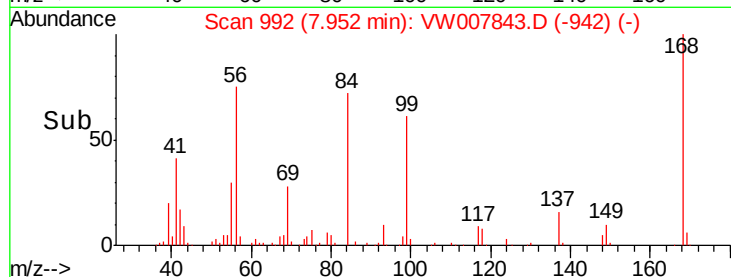
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.521 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007843.D

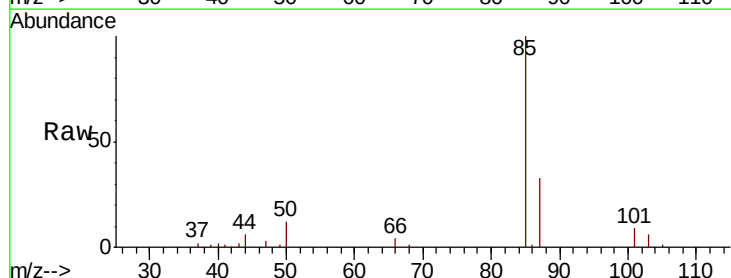
Acq: 22 Dec 2018 15:09

Tgt Ion: 85 Resp: 34716

Ion Ratio Lower Upper

85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

6000

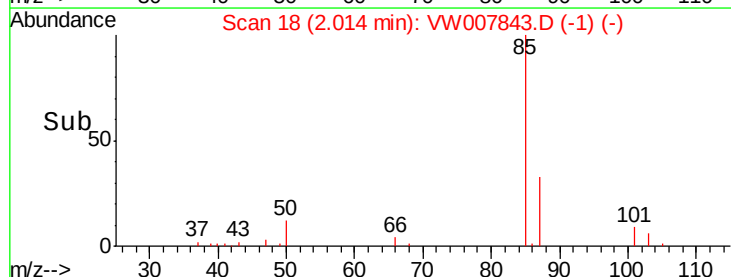
4000

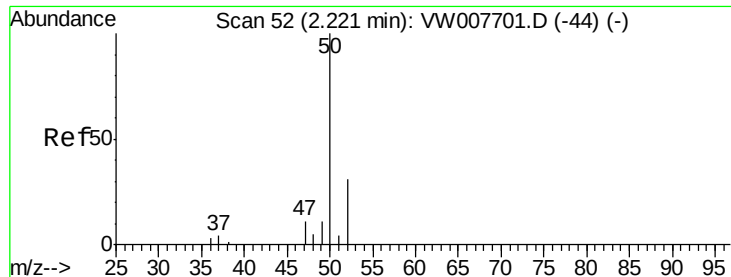
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 64.247 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

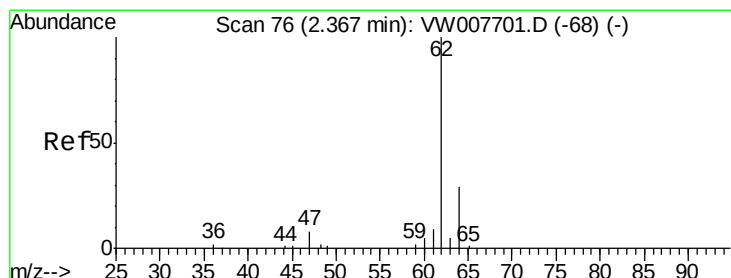
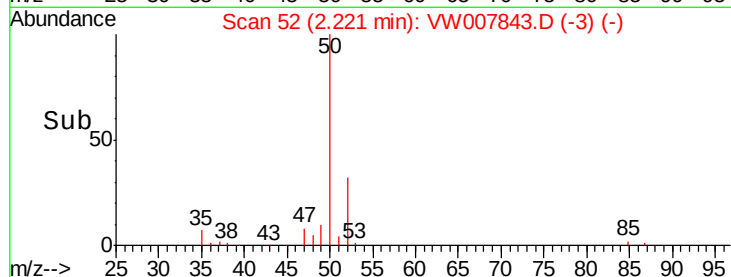
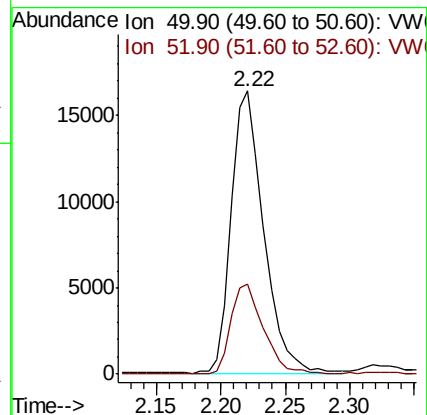
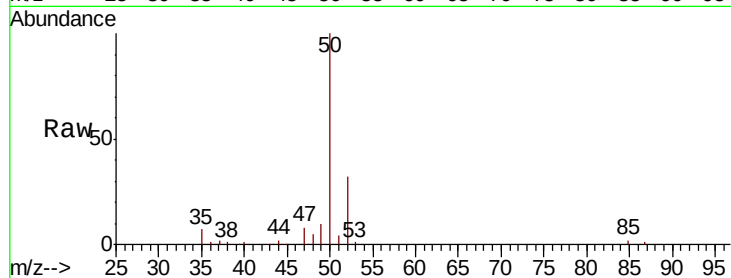
VSTDCCC050

Tgt Ion: 50 Resp: 28821

Ion Ratio Lower Upper

50 100

52 32.1 25.1 37.7



#4

Vinyl Chloride

Concen: 69.014 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007843.D

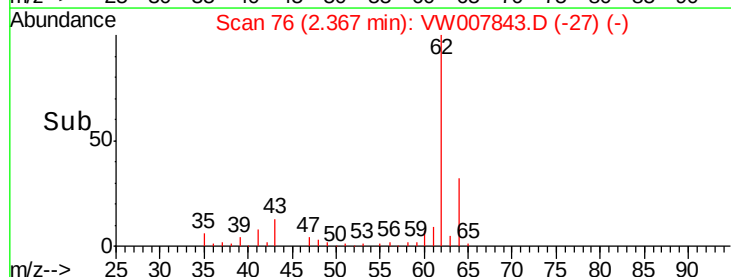
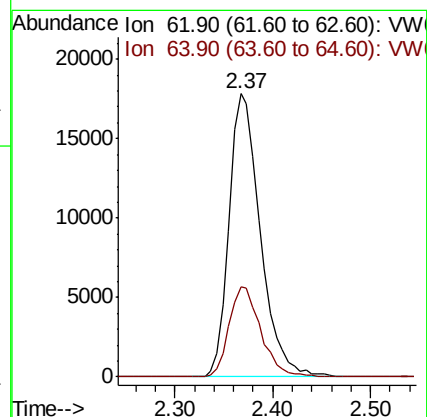
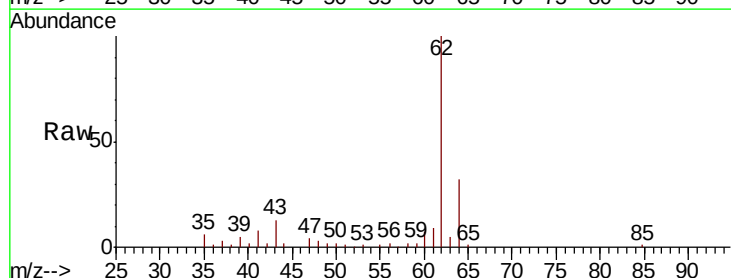
Acq: 22 Dec 2018 15:09

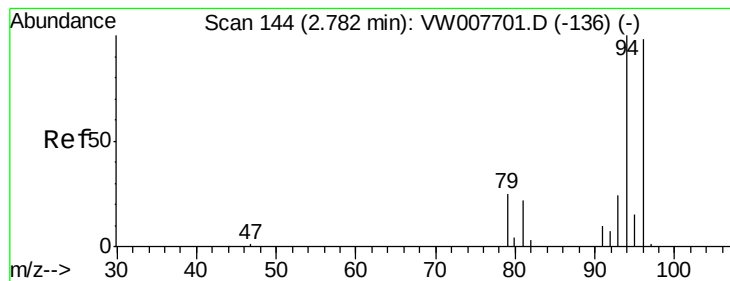
Tgt Ion: 62 Resp: 39410

Ion Ratio Lower Upper

62 100

64 31.8 23.4 35.0





#5

Bromomethane

Concen: 62.272 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

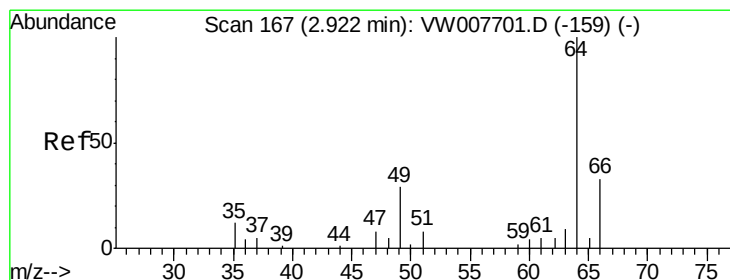
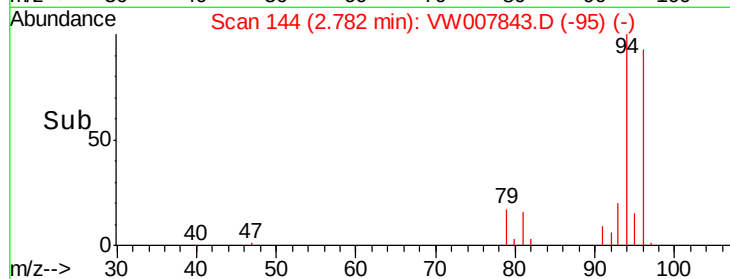
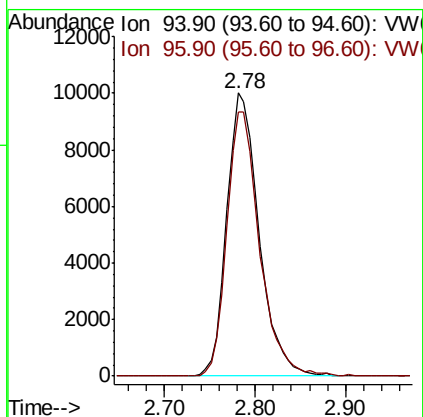
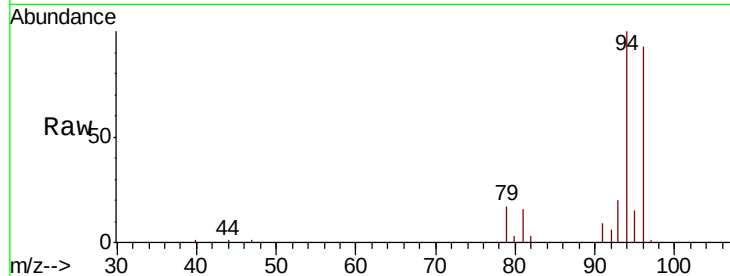
VSTDCCC050

Tgt Ion: 94 Resp: 24768

Ion Ratio Lower Upper

94 100

96 93.4 78.2 117.2



#6

Chloroethane

Concen: 71.230 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007843.D

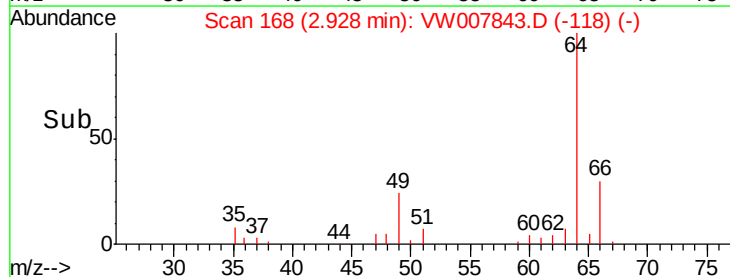
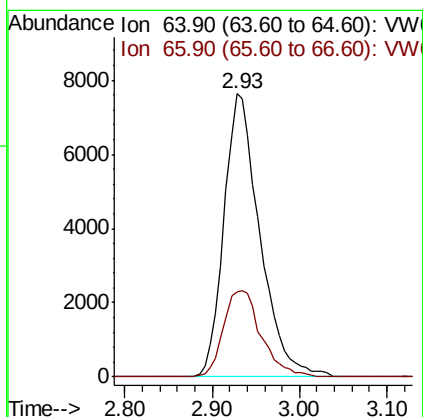
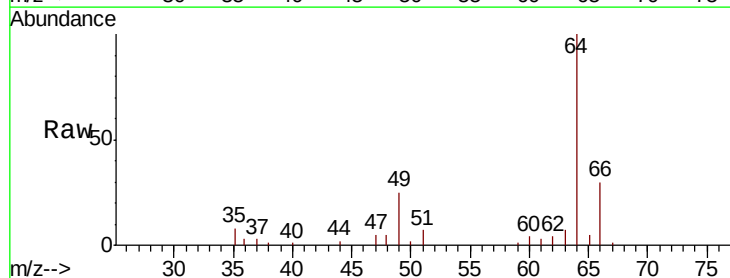
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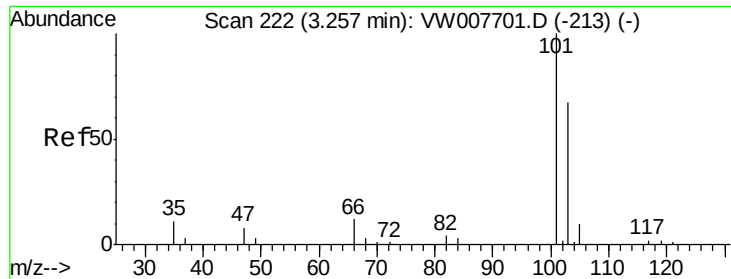
Tgt Ion: 64 Resp: 21761

Ion Ratio Lower Upper

64 100

66 30.1 26.2 39.4



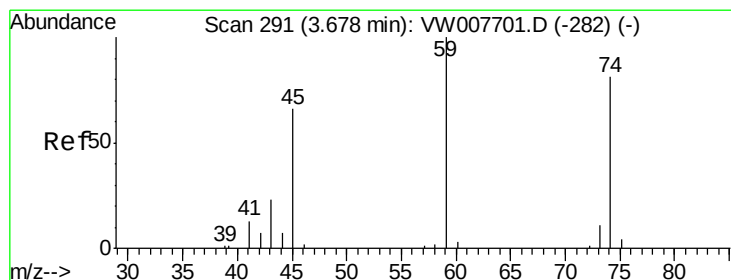
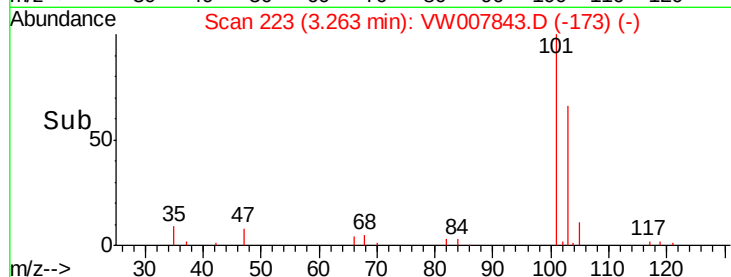
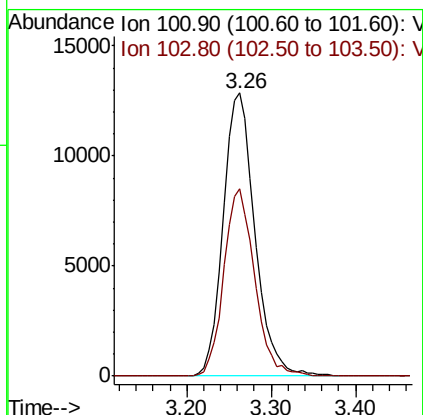
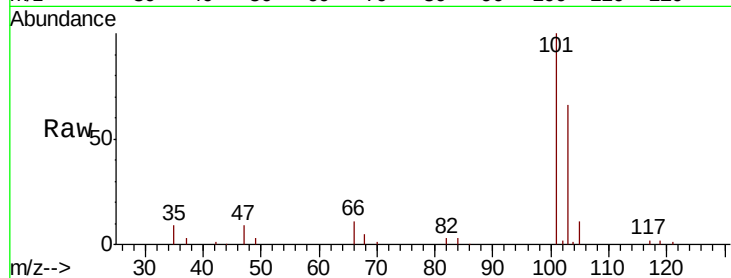


#7

Trichlorofluoromethane
 Concen: 55.603 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

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 VSTDCCC050

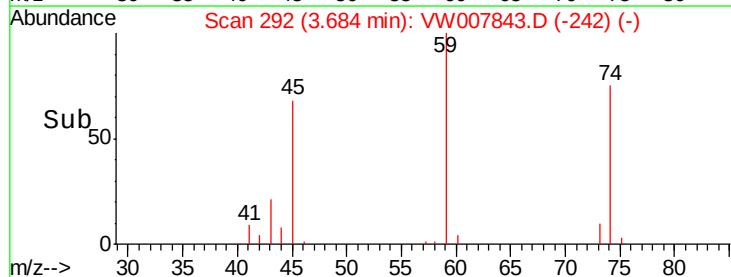
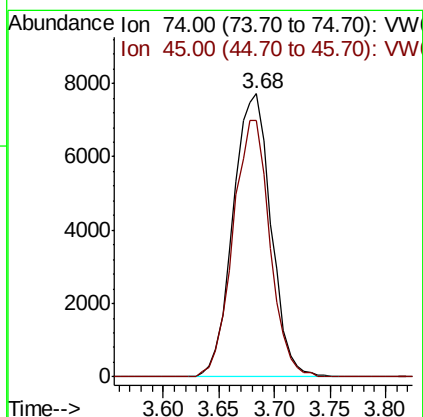
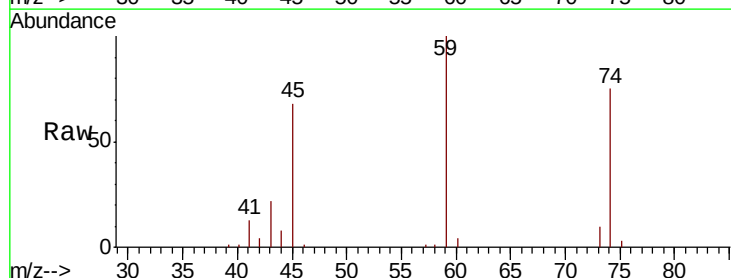
Tgt Ion: 101 Resp: 33057
 Ion Ratio Lower Upper
 101 100
 103 66.4 53.4 80.2

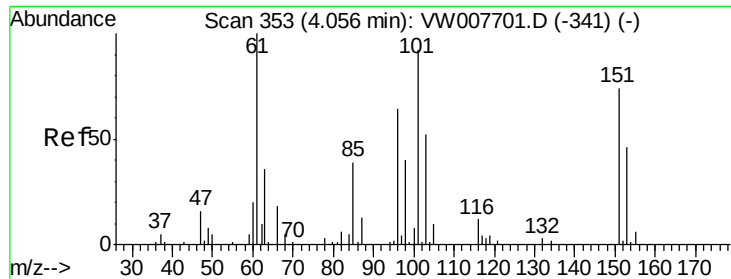


#8

Diethyl Ether
 Concen: 50.063 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 74 Resp: 18230
 Ion Ratio Lower Upper
 74 100
 45 87.9 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.254 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

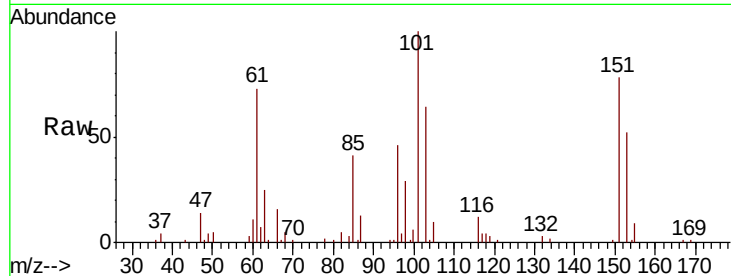
Tgt Ion:101 Resp: 44877

Ion Ratio Lower Upper

101 100

85 42.7 34.3 51.5

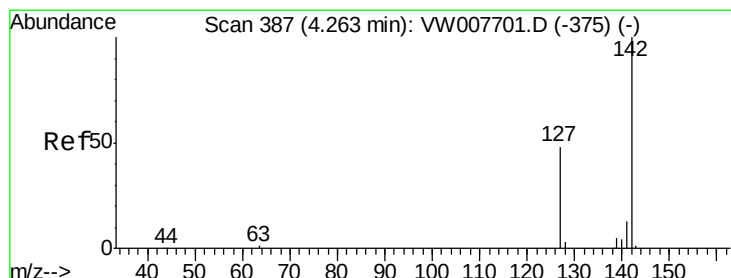
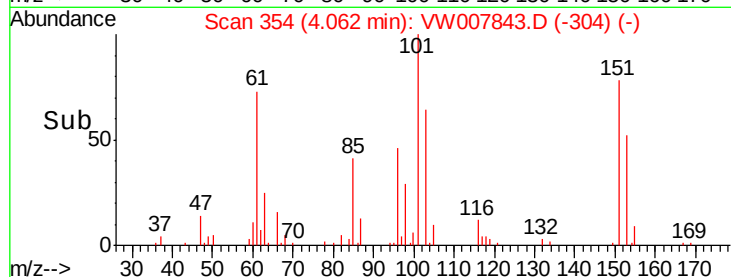
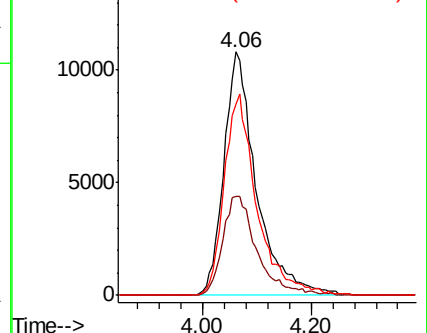
151 83.3 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.093 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

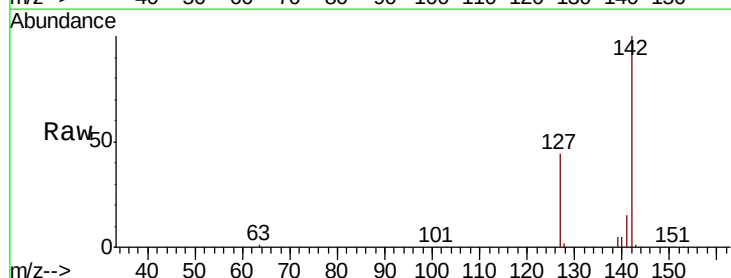
Tgt Ion:142 Resp: 71143

Ion Ratio Lower Upper

142 100

127 42.7 37.7 56.5

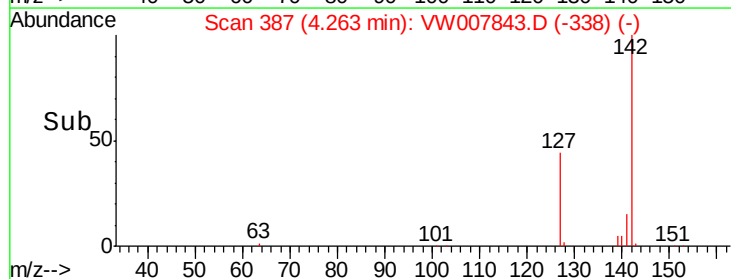
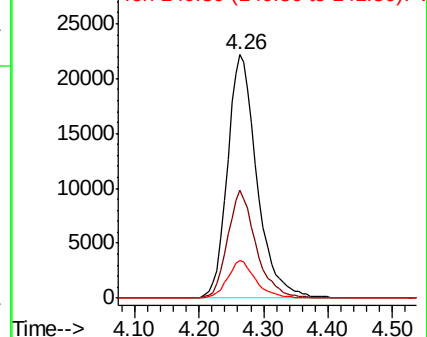
141 14.6 11.5 17.3

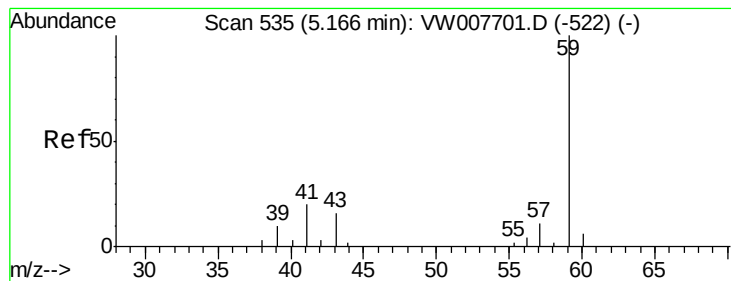


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



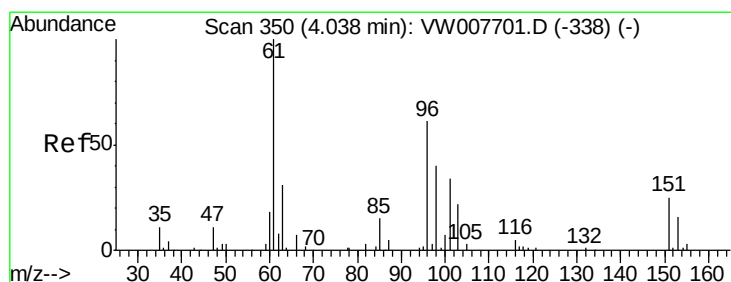
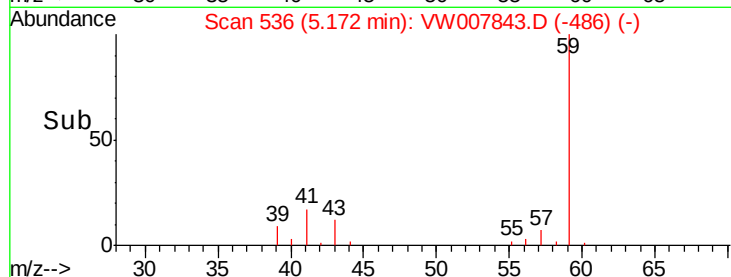
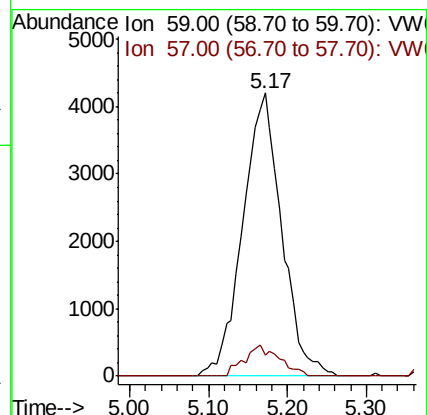
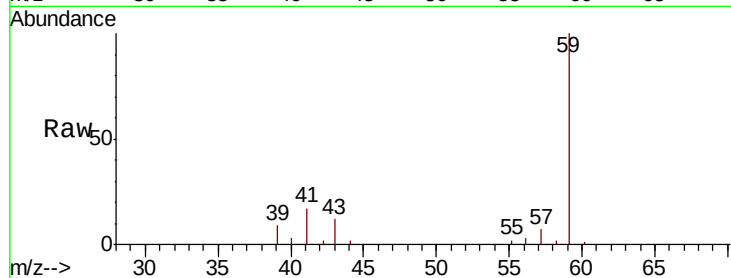


#11

Tert butyl alcohol
Concen: 237.413 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

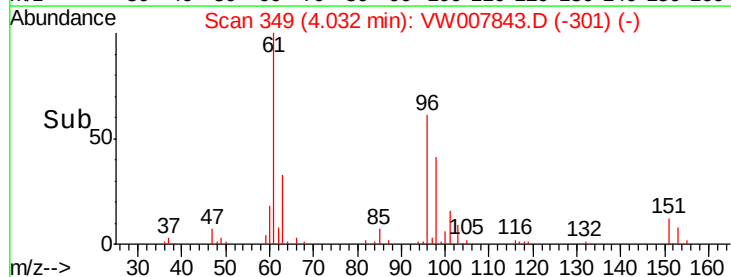
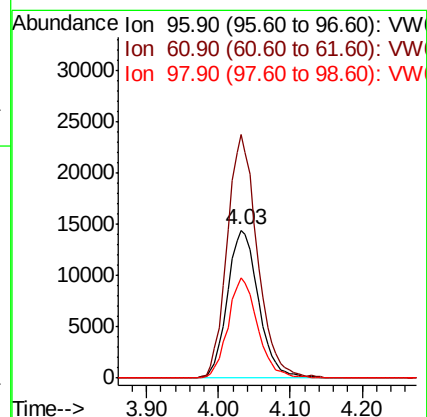
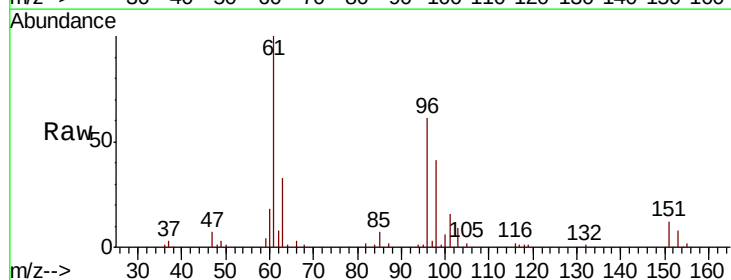
Tgt Ion: 59 Resp: 14425
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.8

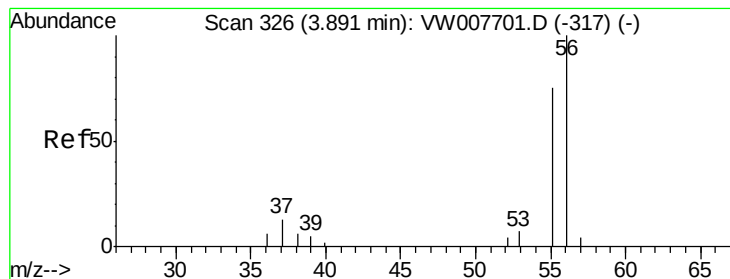


#12

1,1-Dichloroethene
Concen: 53.502 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 96 Resp: 43378
Ion Ratio Lower Upper
96 100
61 164.9 130.6 195.8
98 67.9 52.3 78.5





#13

Acrolein

Concen: 275.749 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

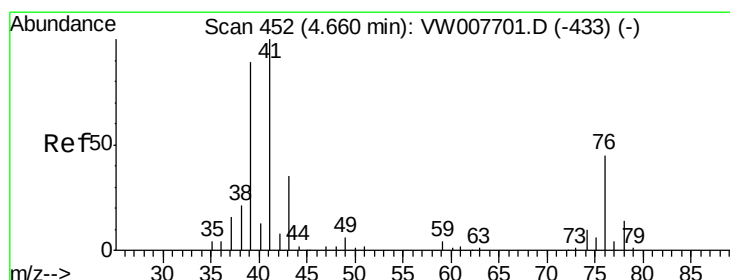
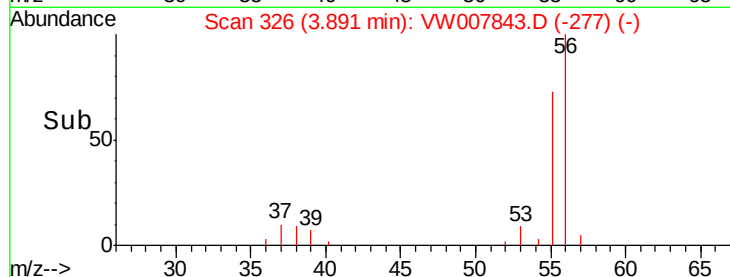
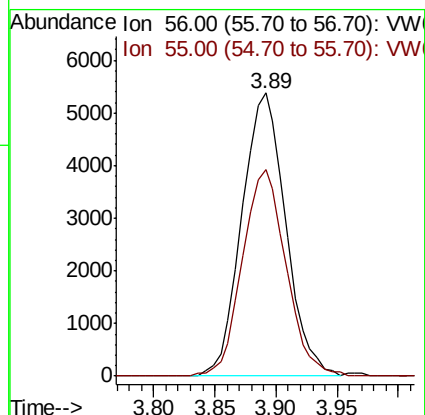
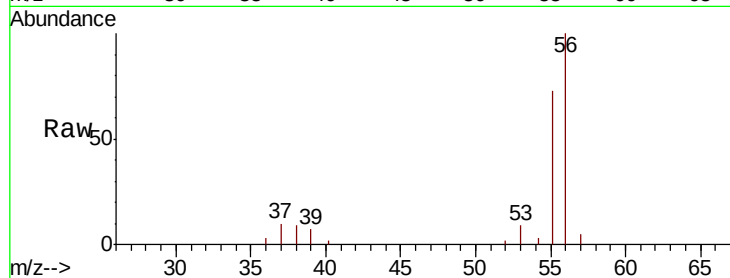
VSTDCCC050

Tgt Ion: 56 Resp: 13396

Ion Ratio Lower Upper

56 100

55 72.7 57.7 86.5



#14

Allyl chloride

Concen: 59.215 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

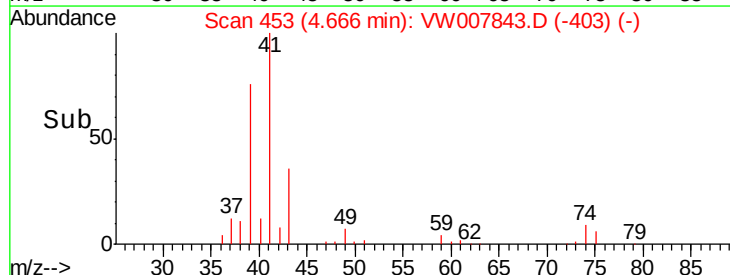
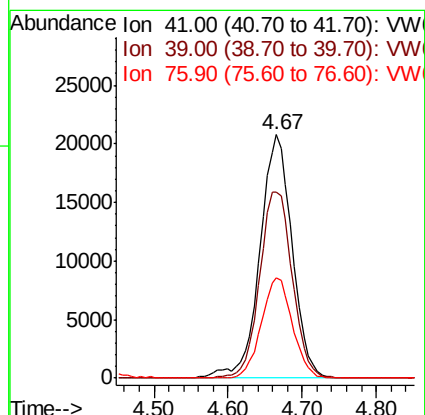
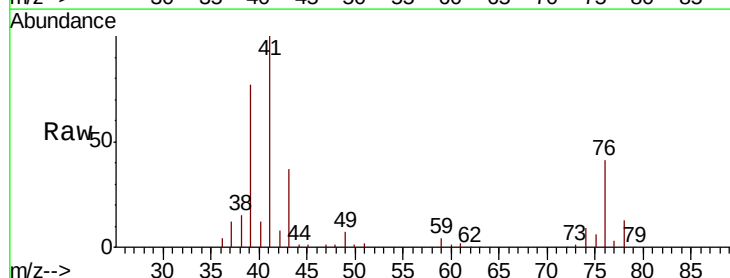
Tgt Ion: 41 Resp: 62959

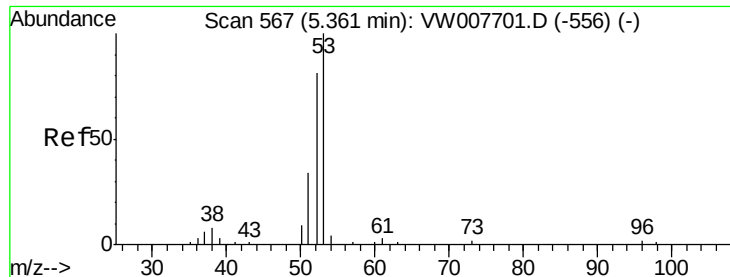
Ion Ratio Lower Upper

41 100

39 77.8 69.5 104.3

76 39.5 34.8 52.2





#15

Acrylonitrile

Concen: 259.934 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

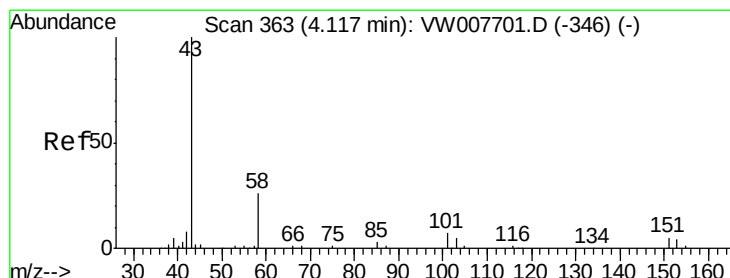
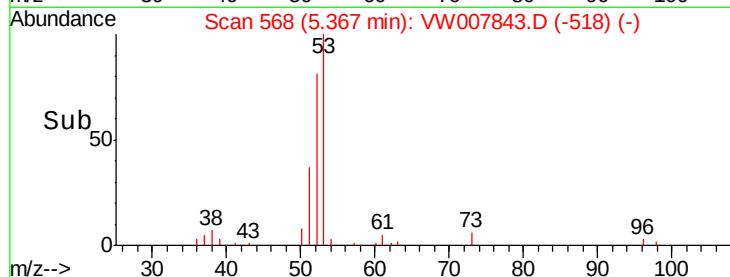
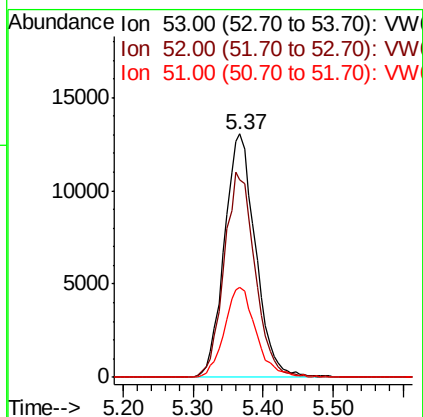
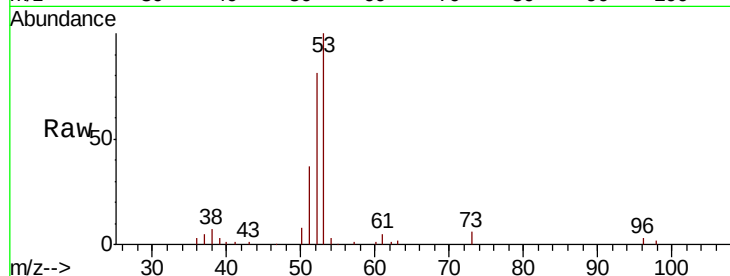
Tgt Ion: 53 Resp: 40376

Ion Ratio Lower Upper

53 100

52 83.6 67.0 100.4

51 37.5 30.2 45.2



#16

Acetone

Concen: 239.826 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007843.D

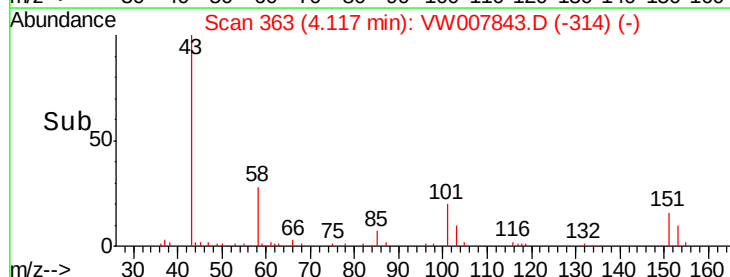
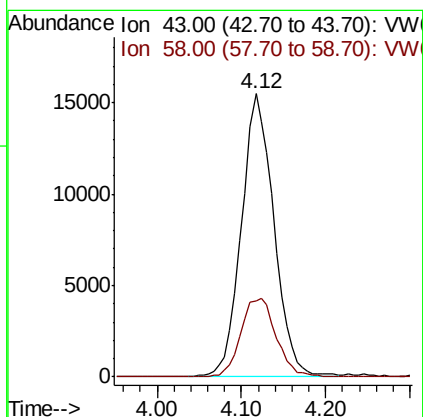
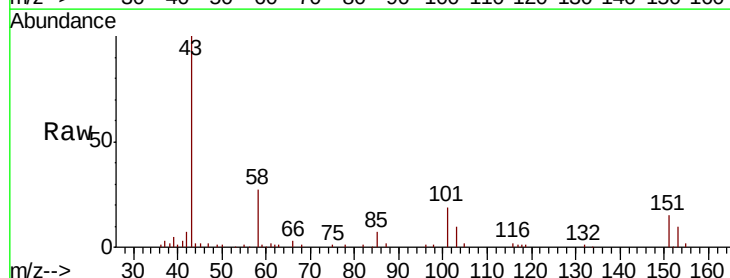
Acq: 22 Dec 2018 15:09

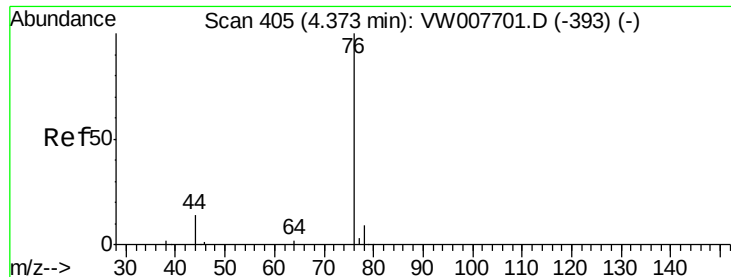
Tgt Ion: 43 Resp: 40450

Ion Ratio Lower Upper

43 100

58 27.0 21.2 31.8

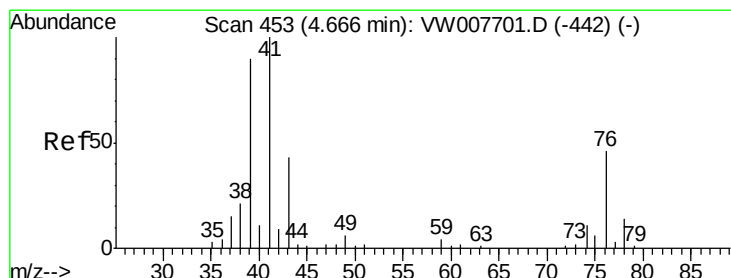
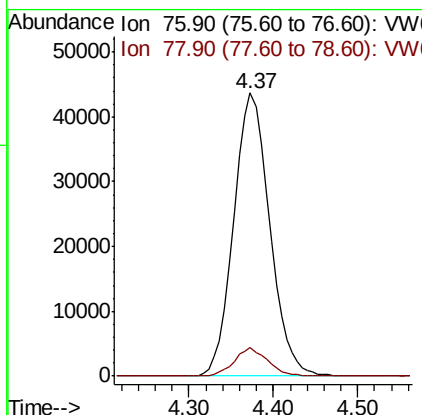
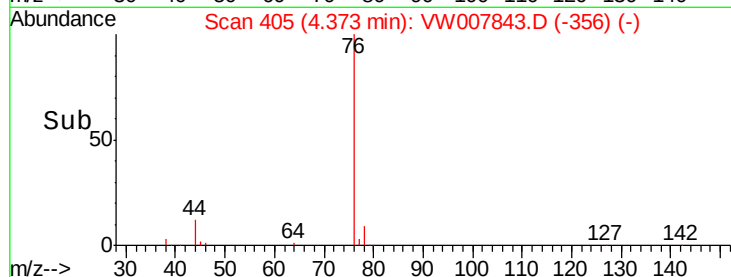
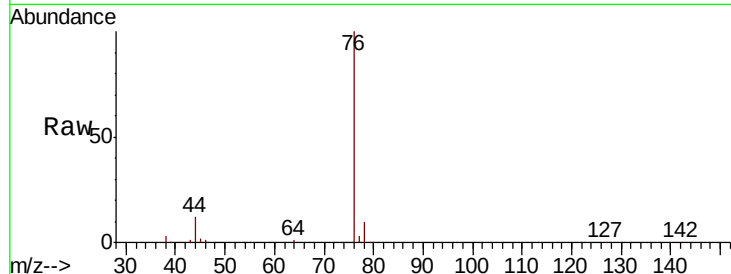




#17
Carbon Disulfide
Concen: 50.468 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

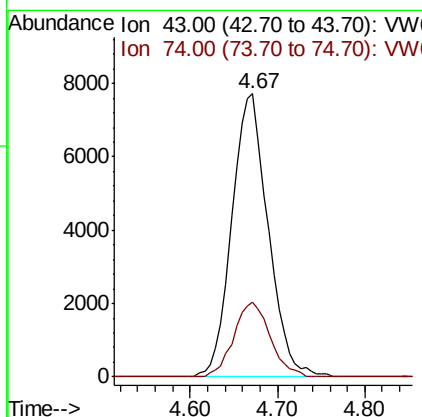
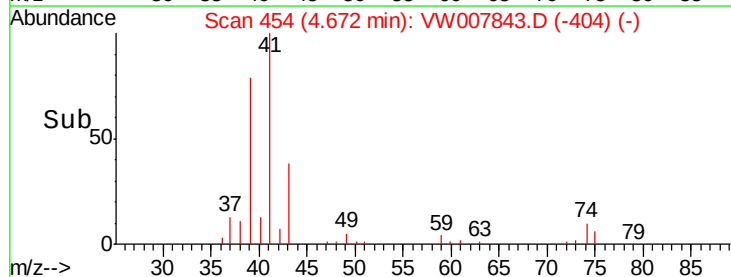
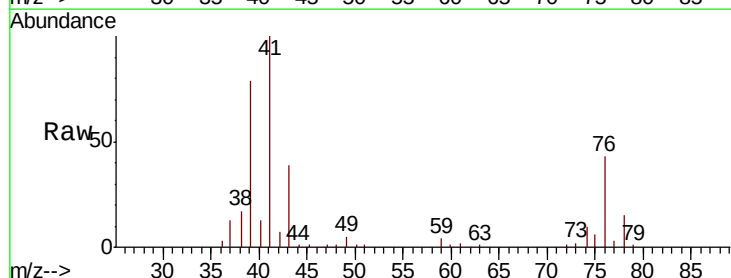
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

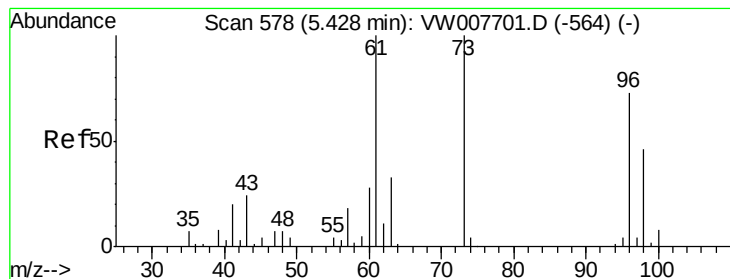
Tgt Ion: 76 Resp: 126623
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9



#18
Methyl Acetate
Concen: 55.544 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 43 Resp: 22280
Ion Ratio Lower Upper
43 100
74 26.5 22.7 34.1





#19

Methyl tert-butyl Ether

Concen: 57.156 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

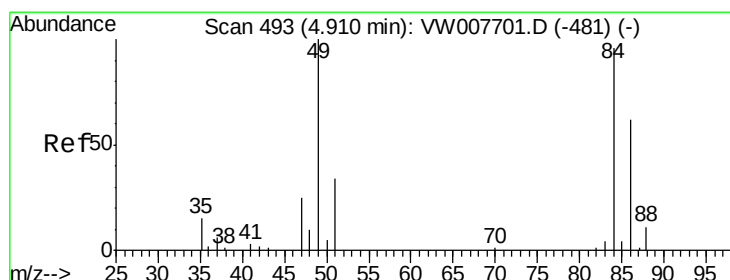
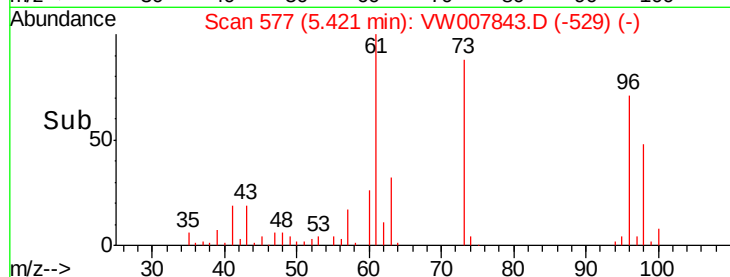
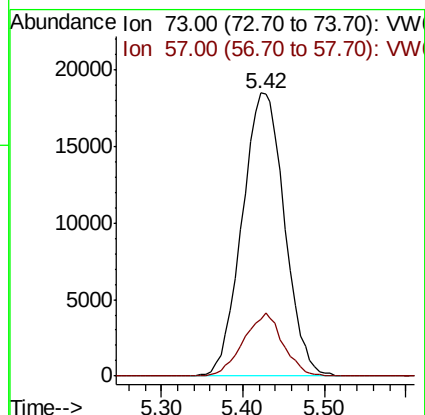
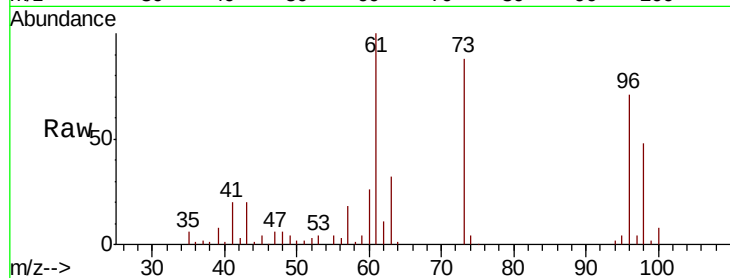
VSTDCCC050

Tgt Ion: 73 Resp: 66528

Ion Ratio Lower Upper

73 100

57 20.3 14.7 22.1



#20

Methylene Chloride

Concen: 67.429 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion: 84 Resp: 55021

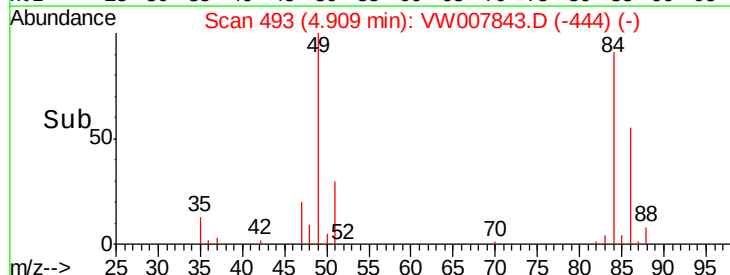
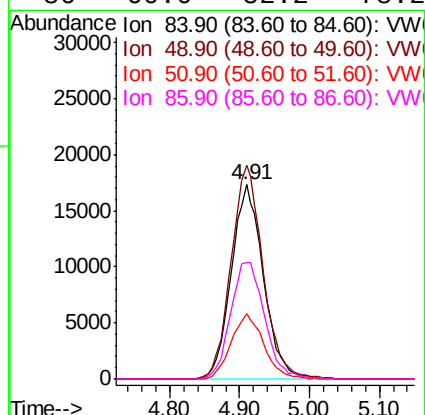
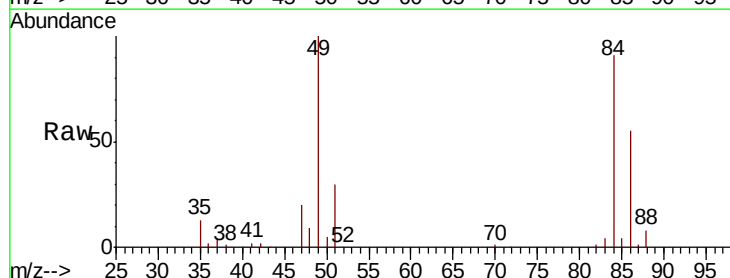
Ion Ratio Lower Upper

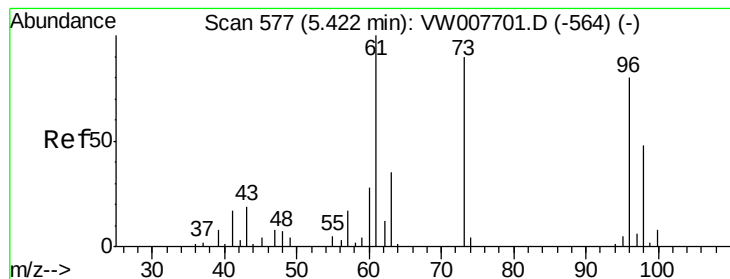
84 100

49 109.9 83.7 125.5

51 33.4 28.2 42.2

86 60.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 51.319 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

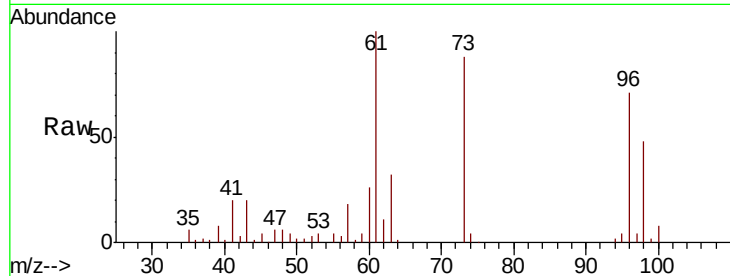
Tgt Ion: 96 Resp: 45761

Ion Ratio Lower Upper

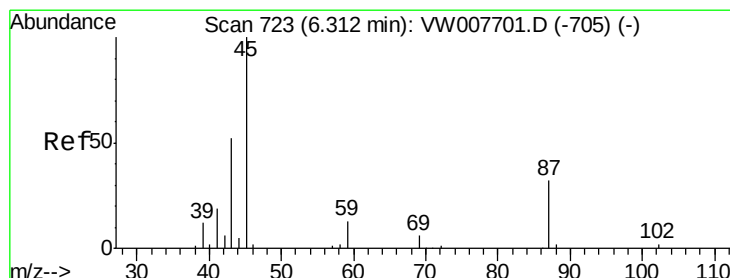
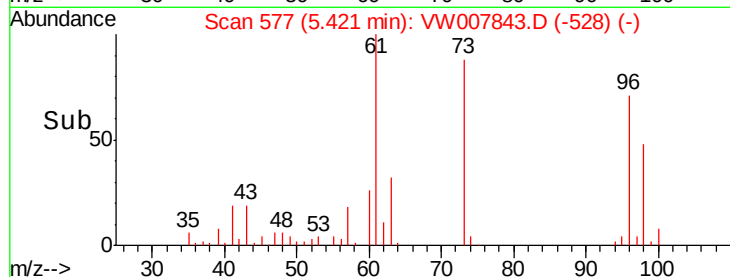
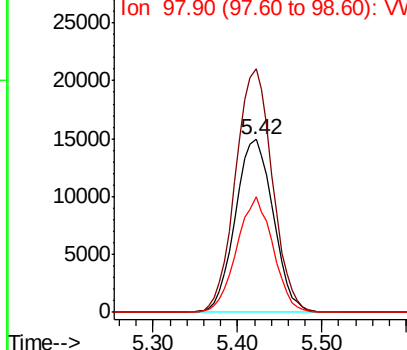
96 100

61 141.1 100.1 150.1

98 67.1 48.5 72.7



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



#22

Diisopropyl ether

Concen: 57.506 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion: 45 Resp: 114486

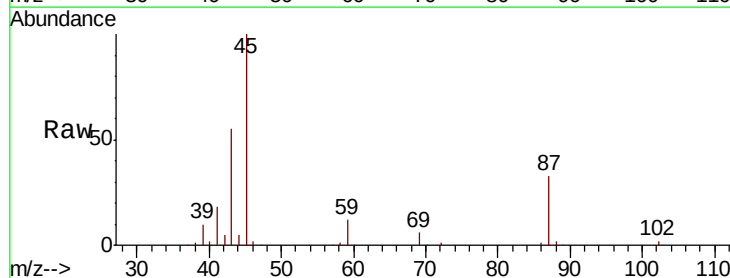
Ion Ratio Lower Upper

45 100

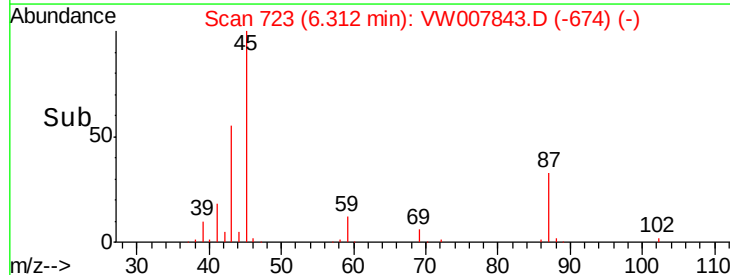
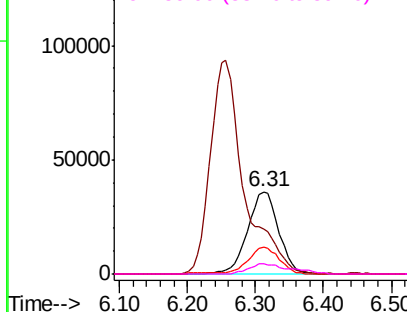
43 54.3 43.7 65.5

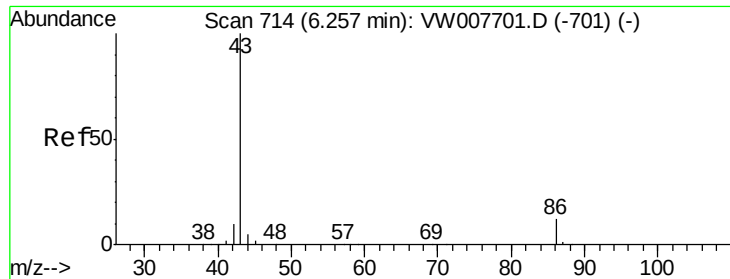
87 32.9 26.6 40.0

59 12.1 10.2 15.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 271.231 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

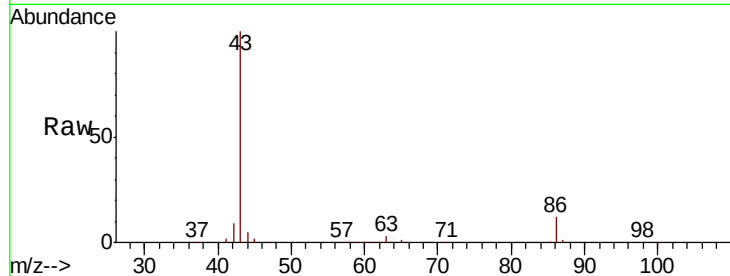
VSTDCCC050

Tgt Ion: 43 Resp: 320817

Ion Ratio Lower Upper

43 100

86 12.1 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

100000

80000

60000

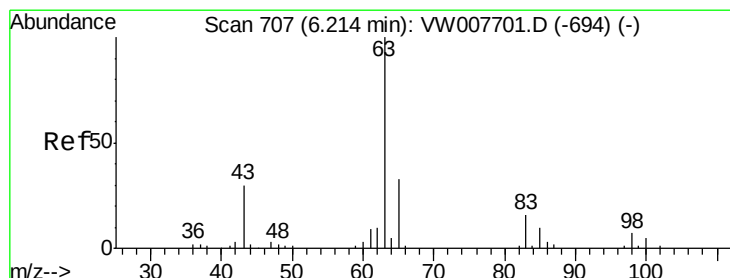
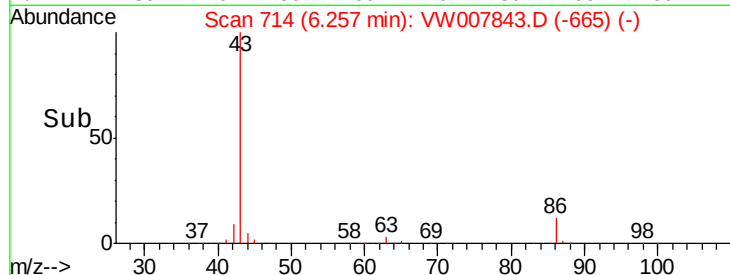
40000

20000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 52.672 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

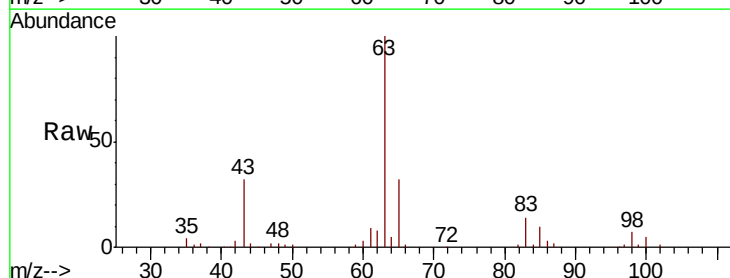
Tgt Ion: 63 Resp: 77142

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.9 2.5 7.5



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

6.21

30000

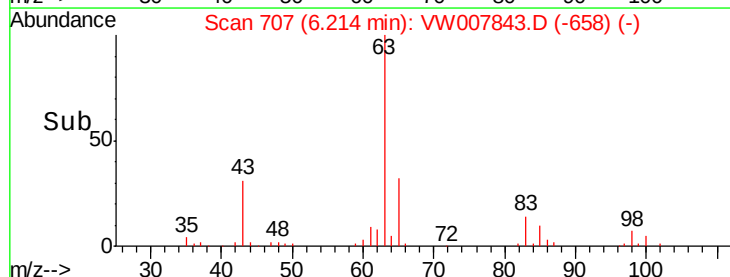
20000

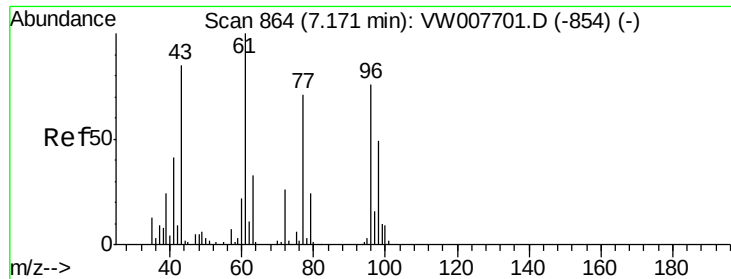
10000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 250.275 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

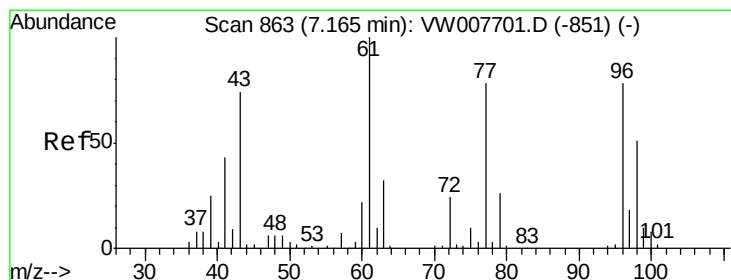
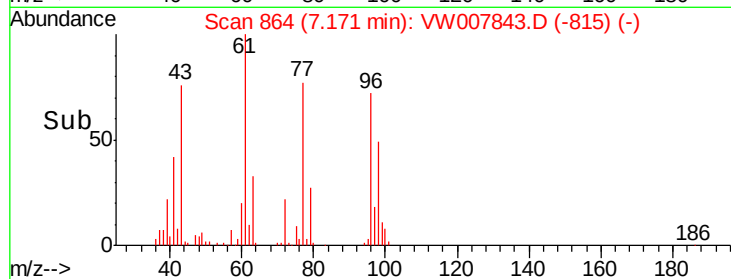
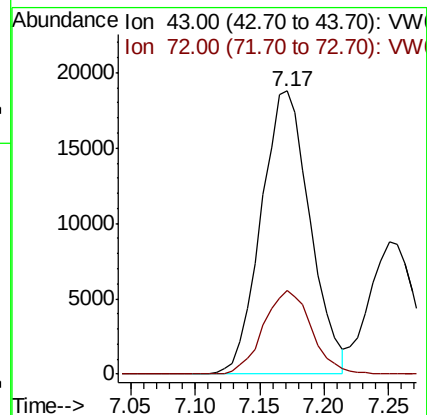
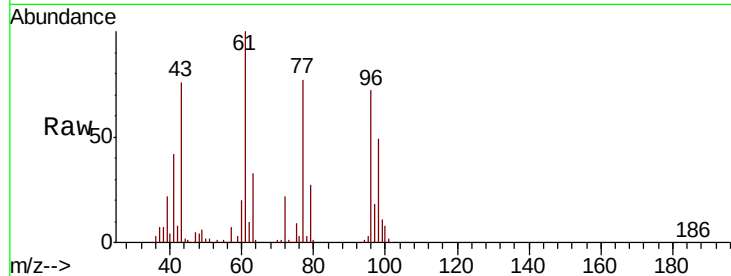
VSTDCCC050

Tgt Ion: 43 Resp: 49443

Ion Ratio Lower Upper

43 100

72 29.7 24.5 36.7



#26

2,2-Dichloropropane

Concen: 54.873 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007843.D

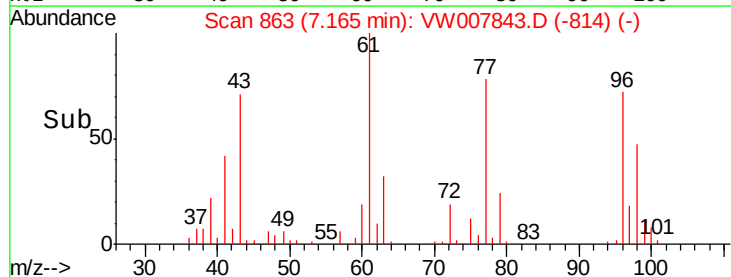
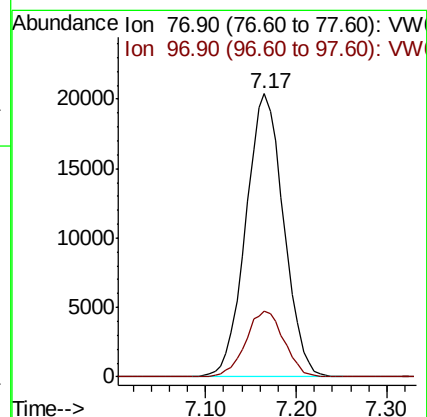
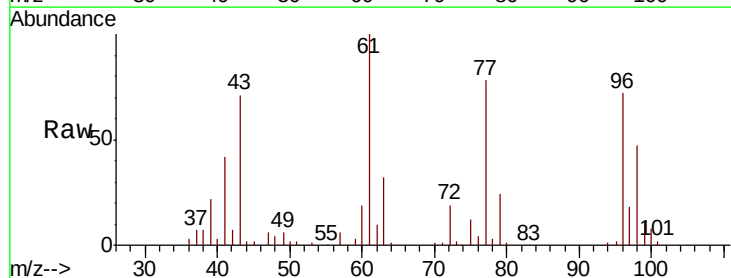
Acq: 22 Dec 2018 15:09

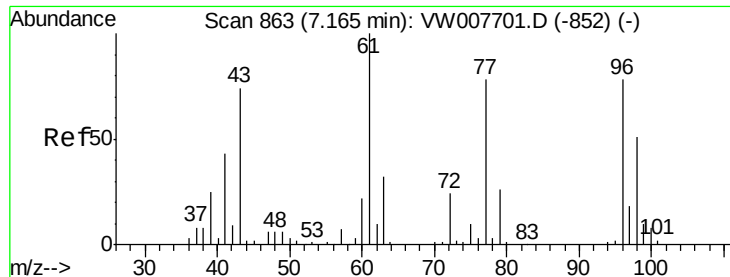
Tgt Ion: 77 Resp: 58809

Ion Ratio Lower Upper

77 100

97 23.5 11.3 33.9



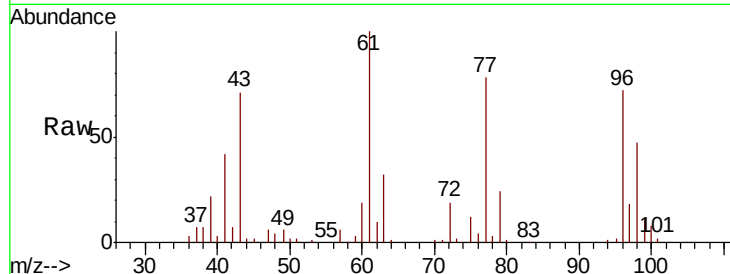


#27

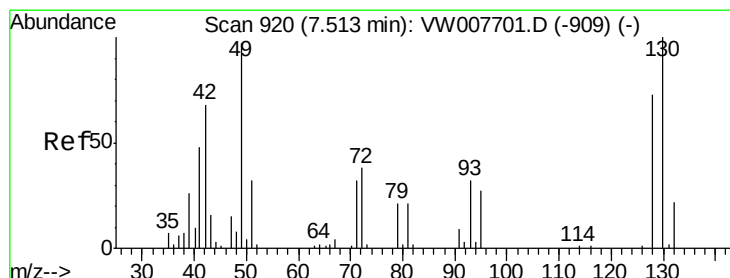
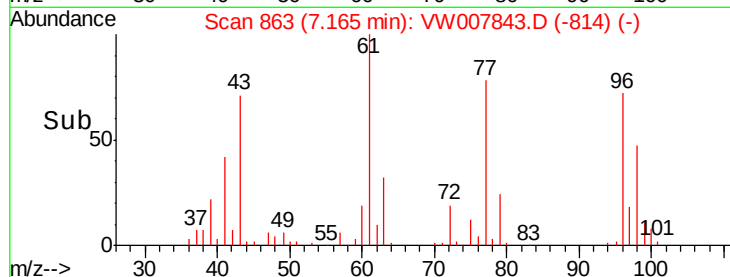
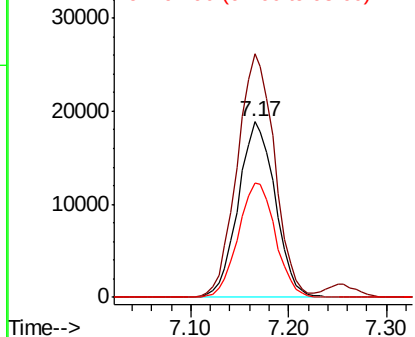
cis-1,2-Dichloroethene
Concen: 51.907 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 49312
Ion Ratio Lower Upper
96 100
61 141.0 0.0 271.6
98 65.4 0.0 131.2



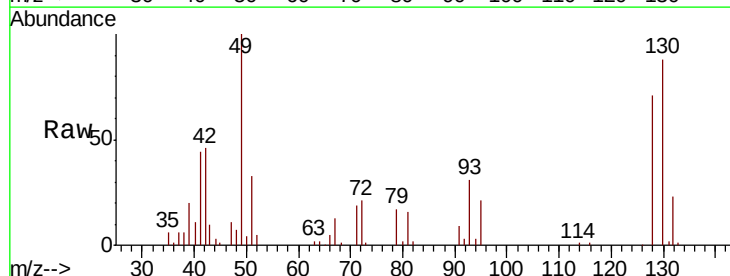
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



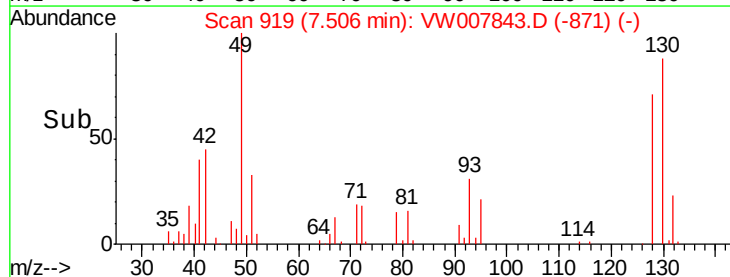
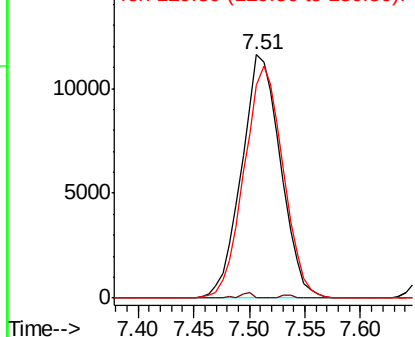
#28

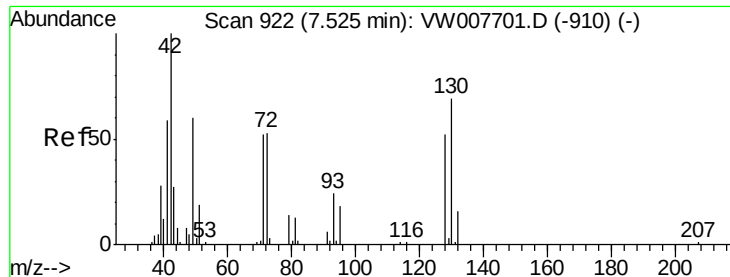
Bromochloromethane
Concen: 56.663 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 49 Resp: 28295
Ion Ratio Lower Upper
49 100
129 0.7 0.0 2.2
130 95.4 81.5 122.3



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: 268.910 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

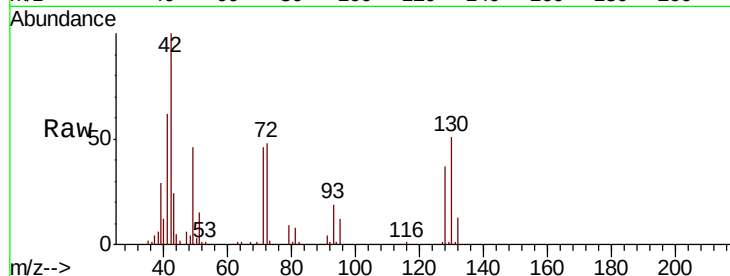
Tgt Ion: 42 Resp: 31688

Ion Ratio Lower Upper

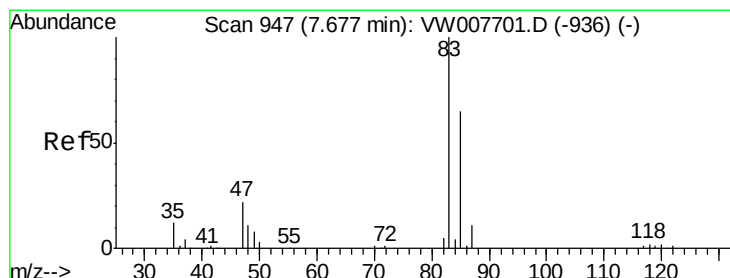
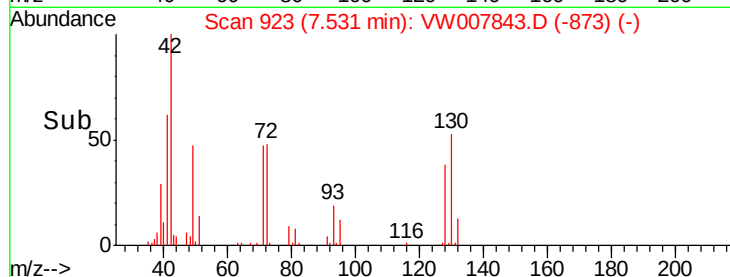
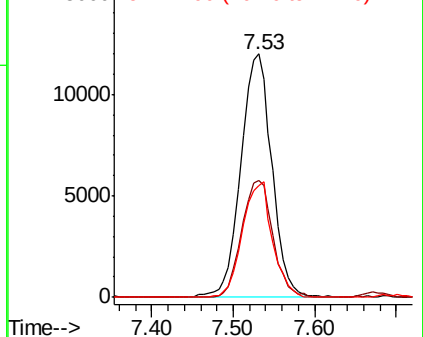
42 100

72 48.0 41.7 62.5

71 45.7 39.0 58.6



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



#30

Chloroform

Concen: 48.879 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW007843.D

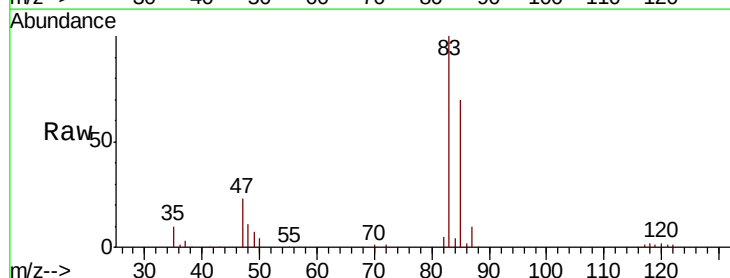
Acq: 22 Dec 2018 15:09

Tgt Ion: 83 Resp: 81014

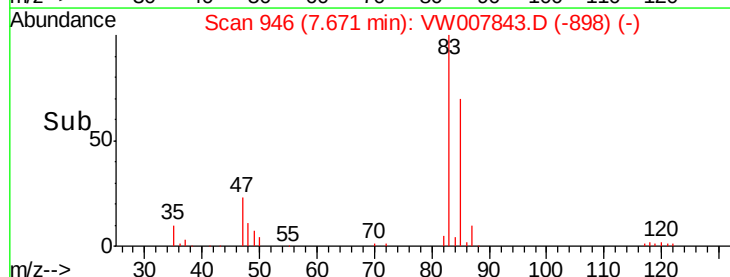
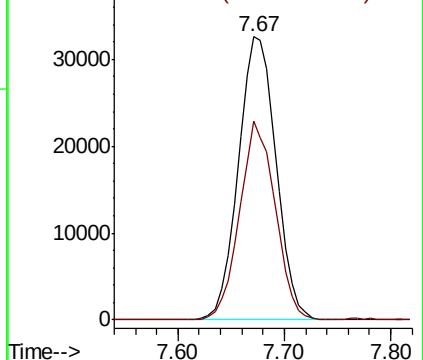
Ion Ratio Lower Upper

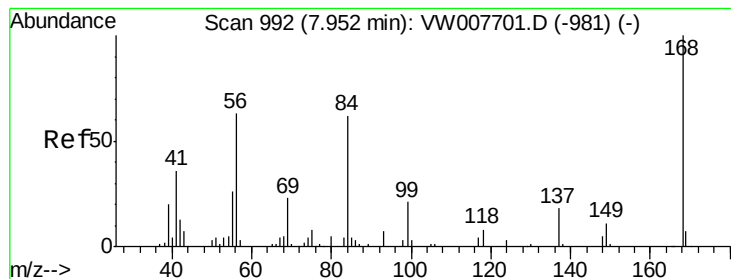
83 100

85 70.1 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 55.500 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

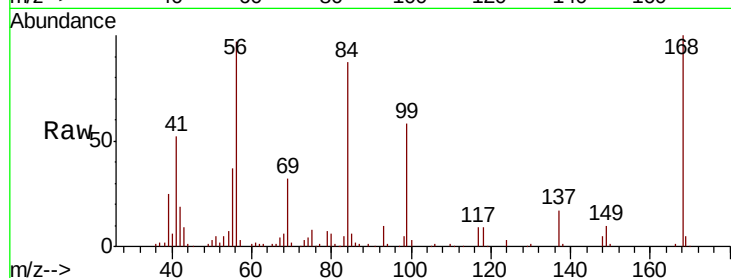
Tgt Ion: 56 Resp: 74414

Ion Ratio Lower Upper

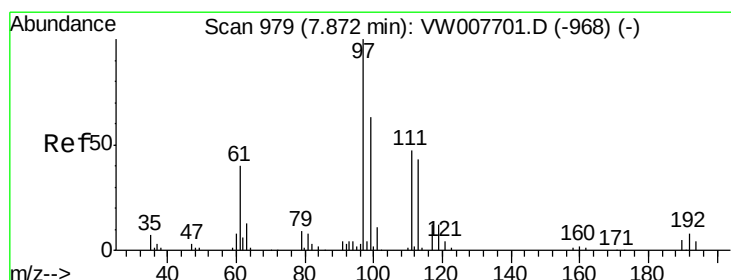
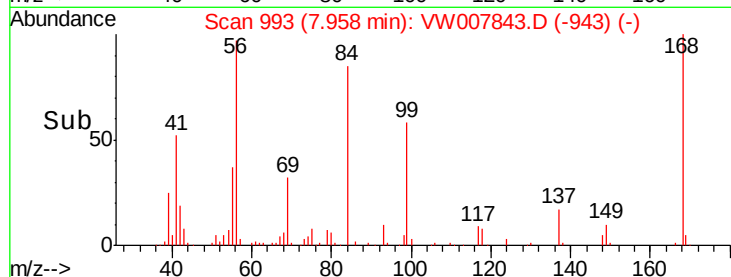
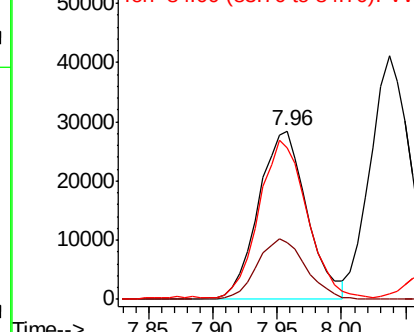
56 100

69 33.4 29.7 44.5

84 88.6 78.9 118.3



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 49.894 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

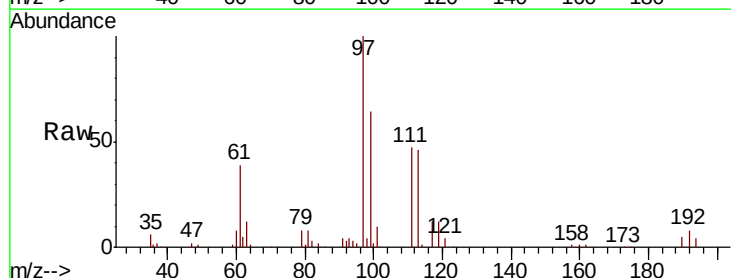
Tgt Ion: 97 Resp: 75316

Ion Ratio Lower Upper

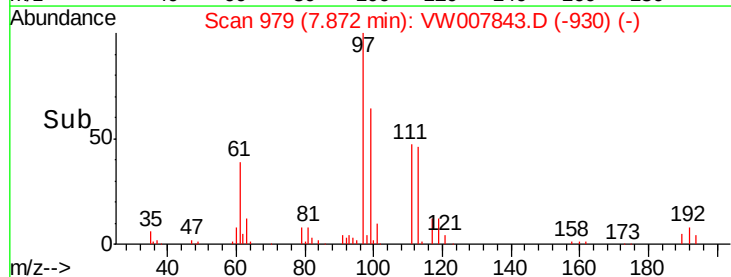
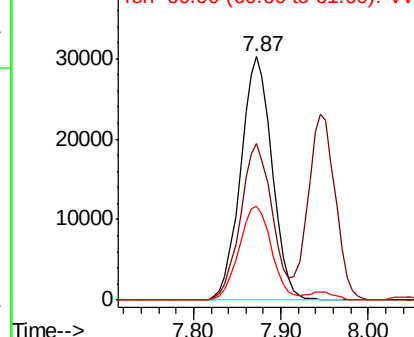
97 100

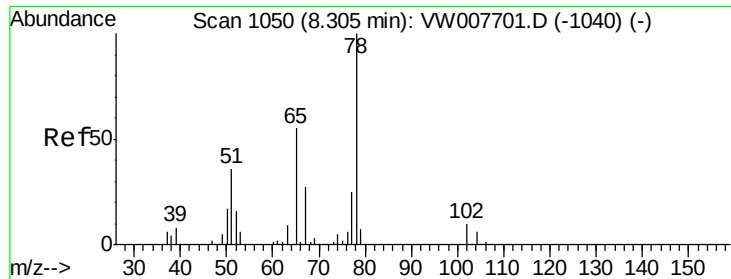
99 64.9 50.6 76.0

61 40.0 32.3 48.5



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

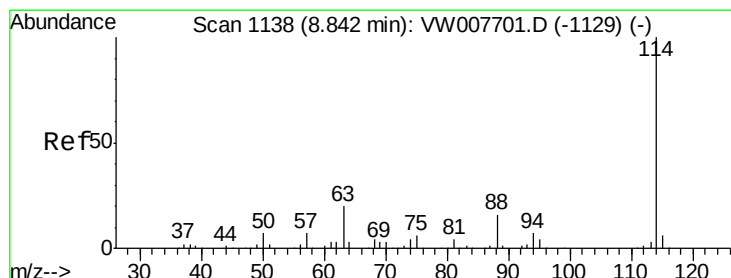
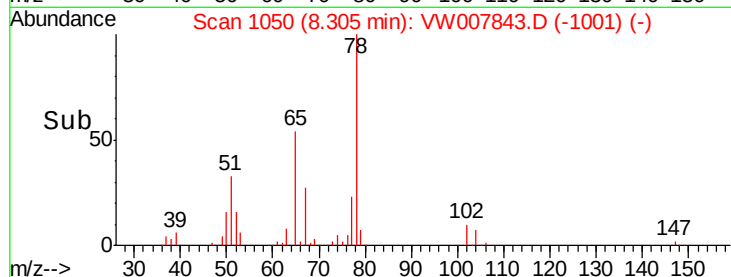
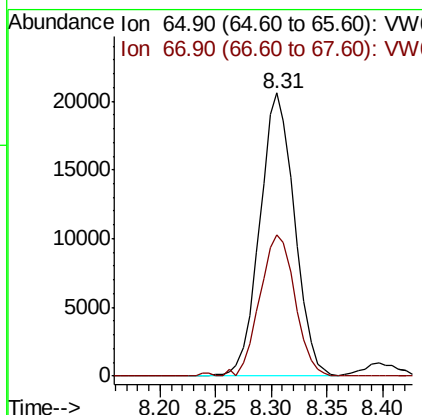
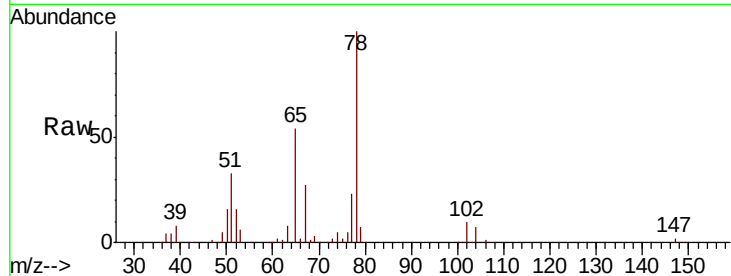




#33
 1,2-Dichloroethane-d4
 Concen: 49.645 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

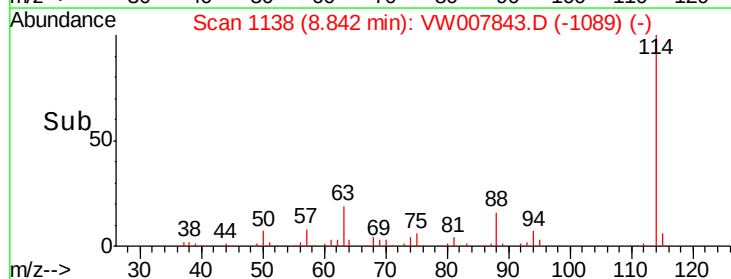
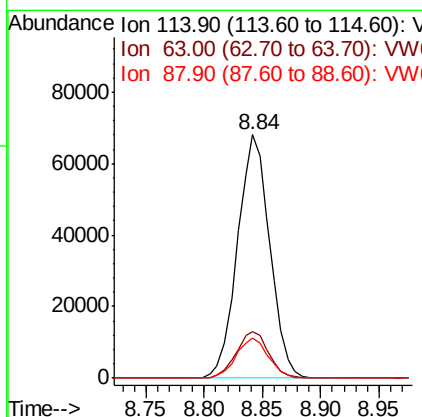
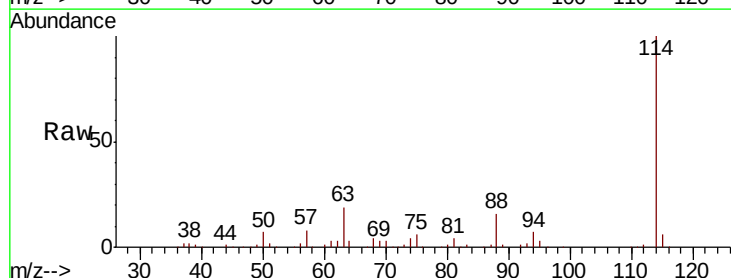
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

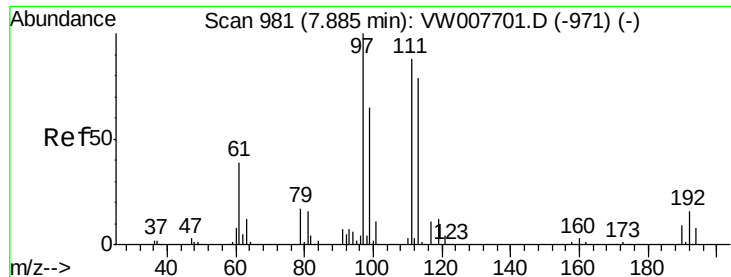
Tgt Ion: 65 Resp: 44715
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 114 Resp: 131191
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 16.3 0.0 32.6

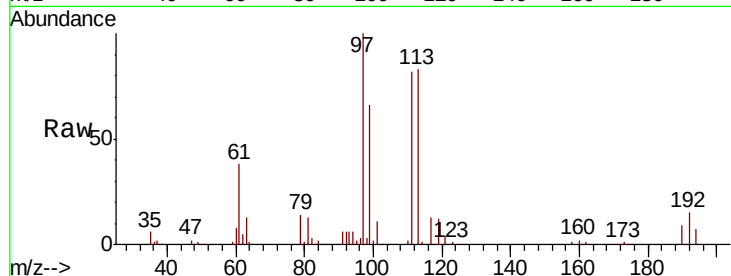




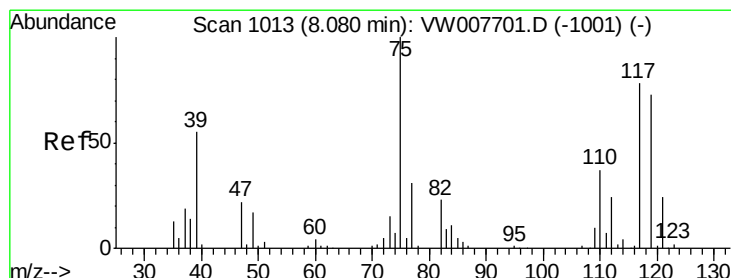
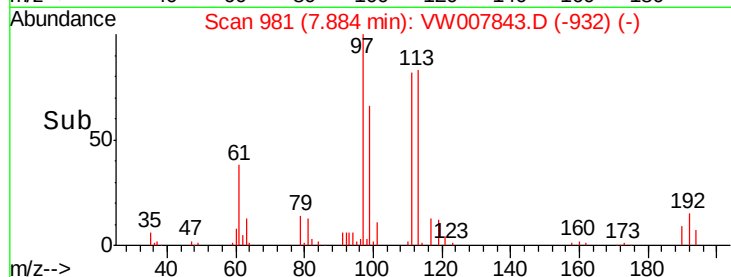
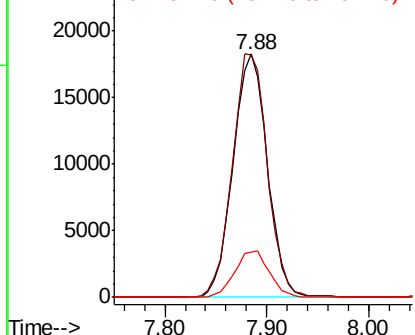
#35
Dibromofluoromethane
Concen: 53.160 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion: 113 Resp: 42546
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 19.2 15.5 23.3

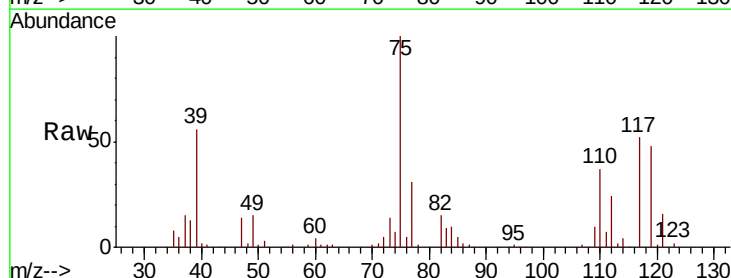


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

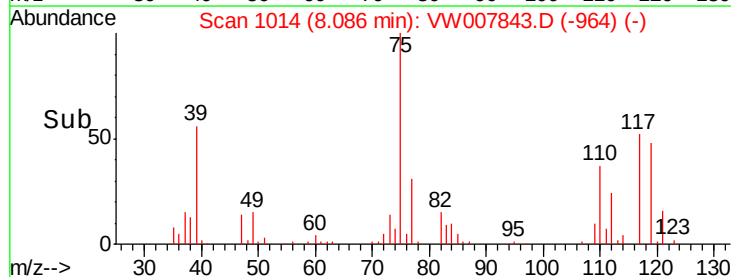
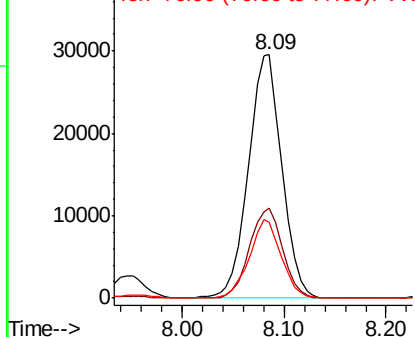


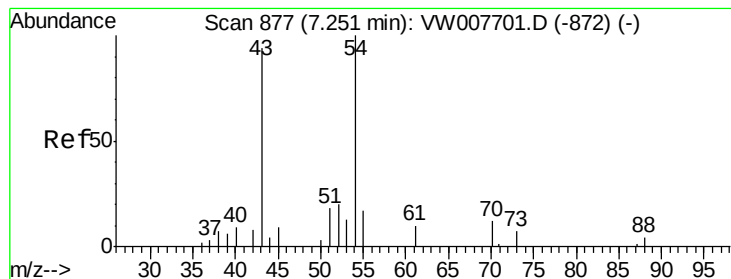
#36
1,1-Dichloropropene
Concen: 53.322 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 75 Resp: 67518
Ion Ratio Lower Upper
75 100
110 36.4 18.6 55.8
77 30.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 51.383 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

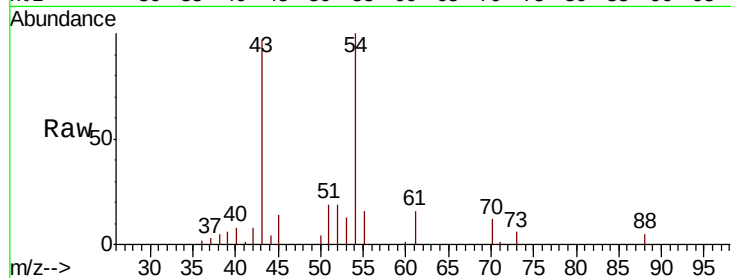
Tgt Ion: 43 Resp: 22454

Ion Ratio Lower Upper

43 100

61 14.0 11.2 16.8

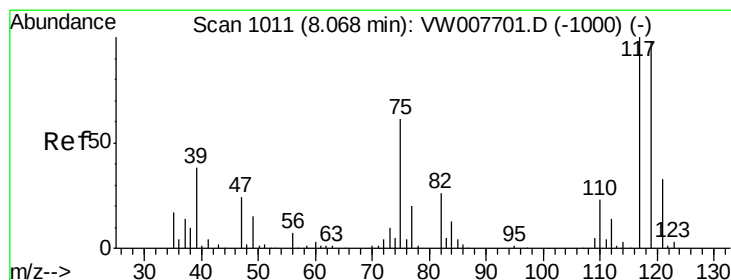
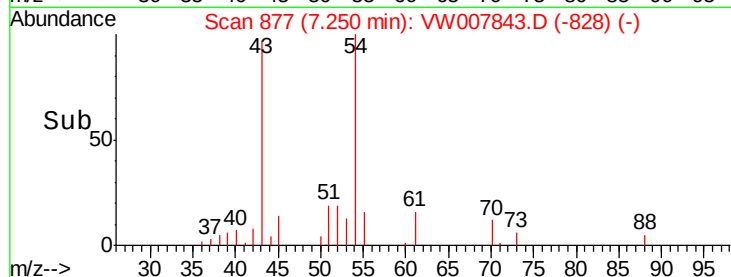
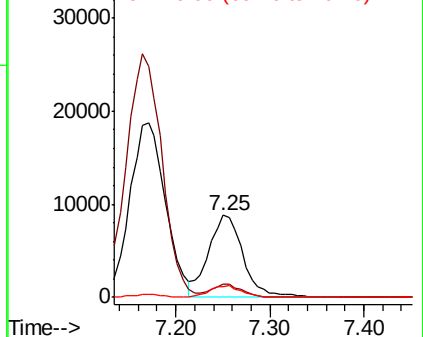
70 12.8 9.3 13.9



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: 46.027 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

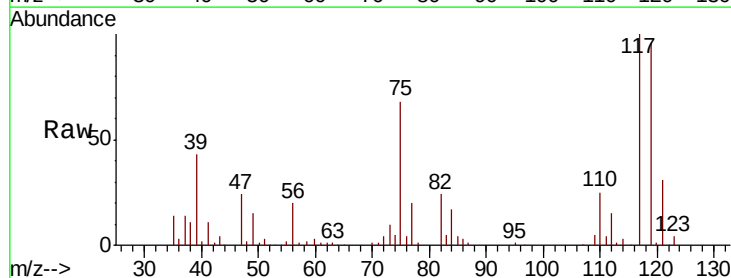
Tgt Ion: 117 Resp: 68636

Ion Ratio Lower Upper

117 100

119 96.4 78.2 117.2

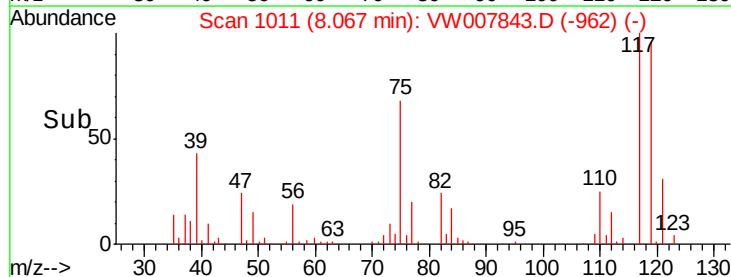
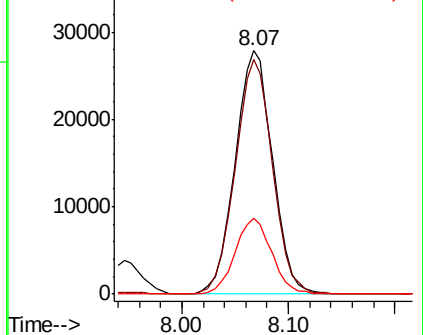
121 31.4 26.1 39.1

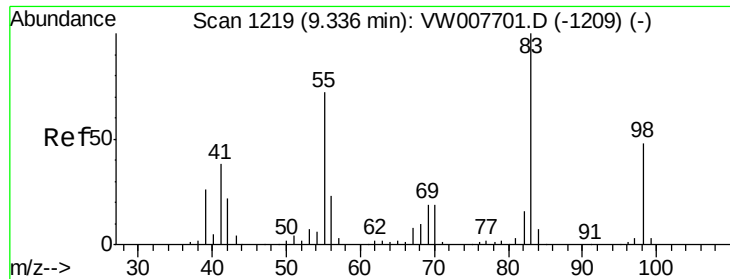


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

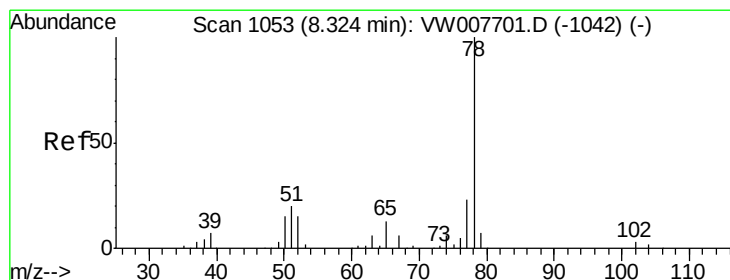
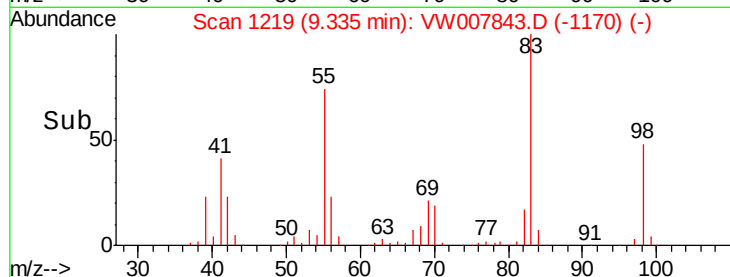
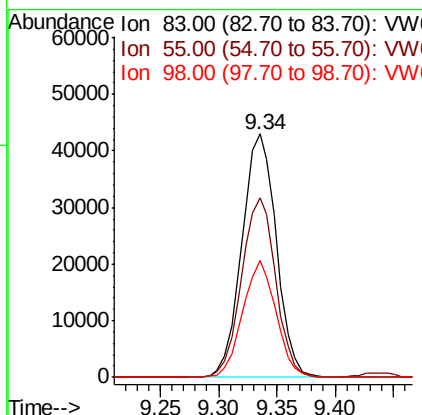
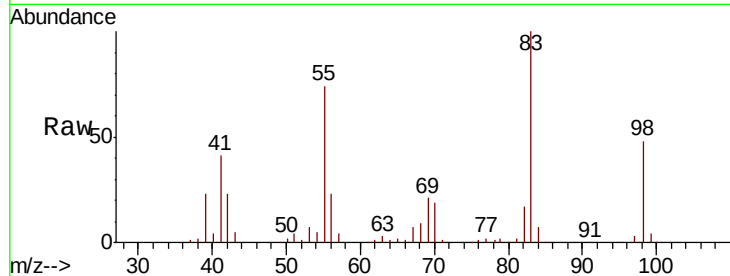




#39
Methylcyclohexane
Concen: 56.380 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

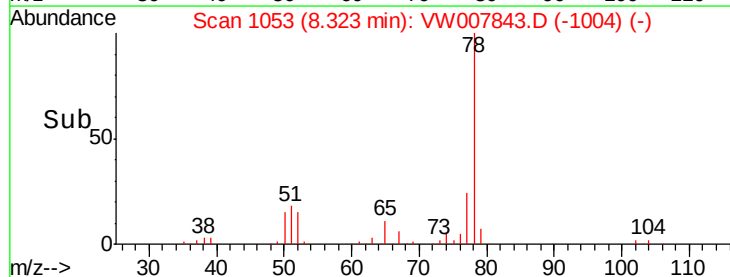
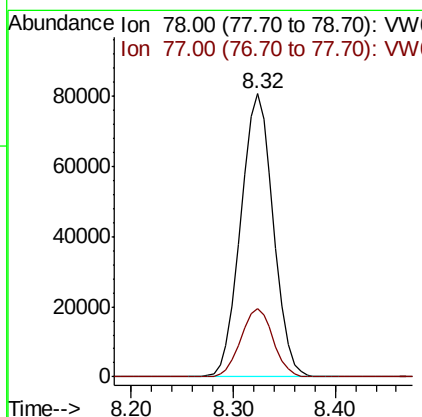
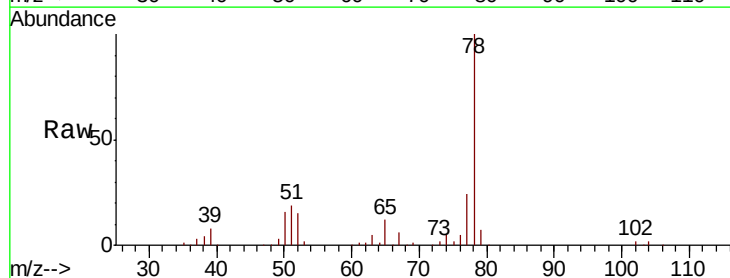
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

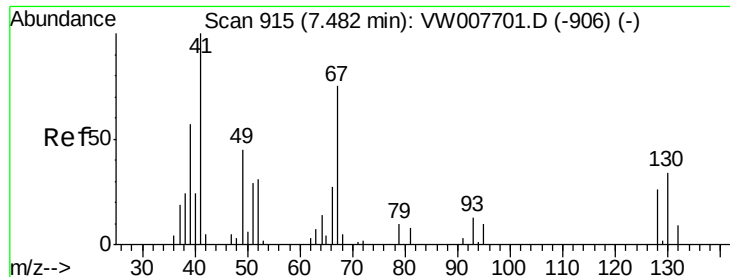
Tgt Ion: 83 Resp: 88709
Ion Ratio Lower Upper
83 100
55 73.8 57.2 85.8
98 47.9 38.6 58.0



#40
Benzene
Concen: 52.893 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 78 Resp: 178721
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1

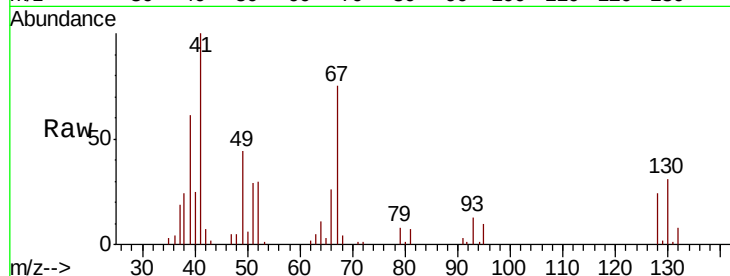




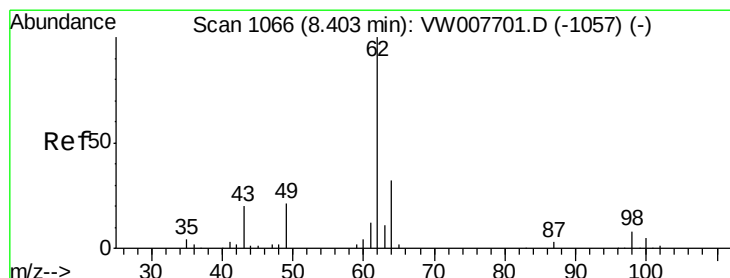
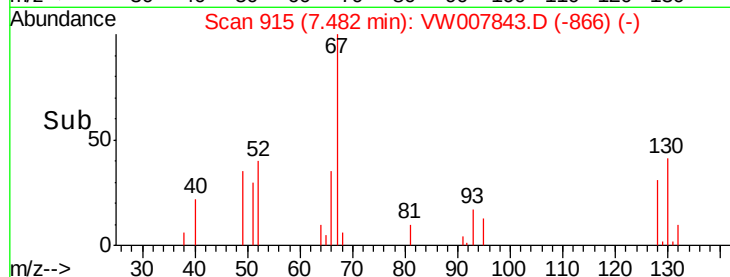
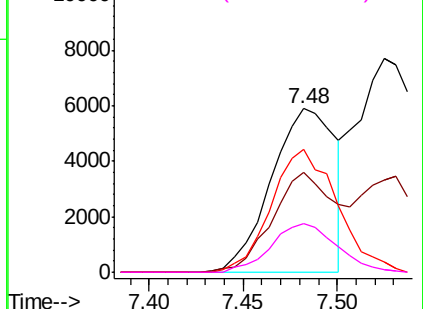
#41
Methacrylonitrile
Concen: 55.928 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	13876
Ion	Ratio	Lower	Upper
41	100		
39	62.5	54.2	81.4
67	77.3	65.7	98.5
52	30.2	26.2	39.4

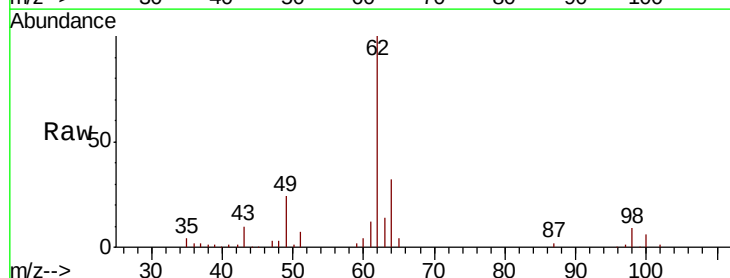


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

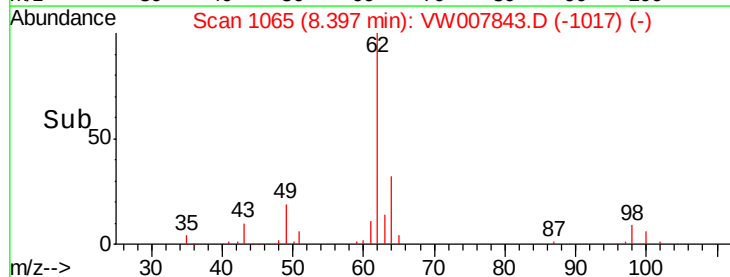
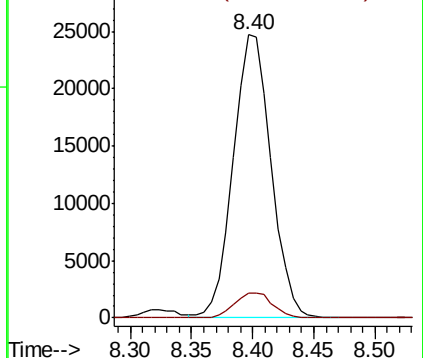


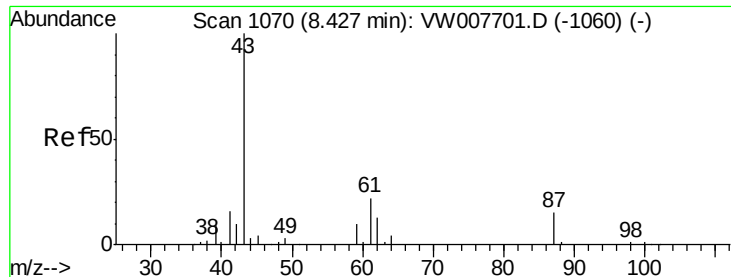
#42
1,2-Dichloroethane
Concen: 46.849 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:	62	Resp:	53049
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6



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





#43

Isopropyl Acetate

Concen: 52.300 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

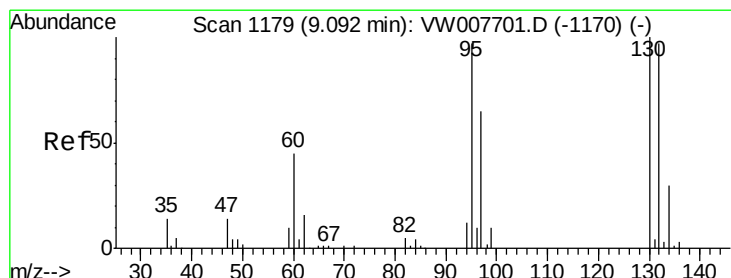
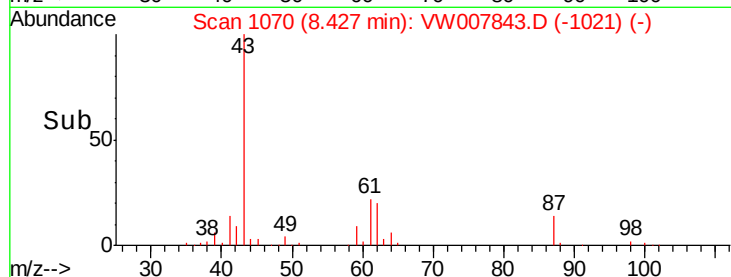
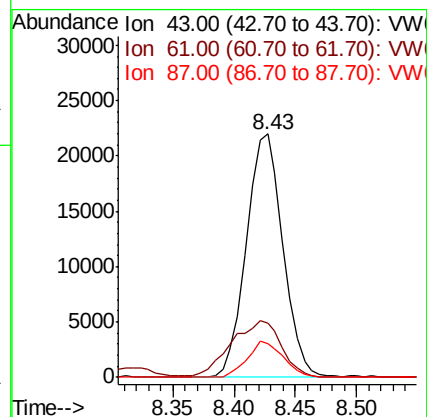
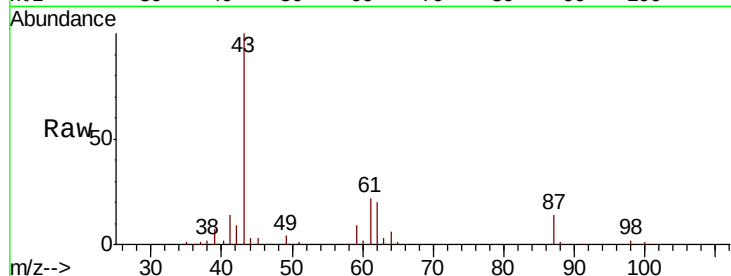
Tgt Ion: 43 Resp: 45788

Ion Ratio Lower Upper

43 100

61 32.2 26.3 39.5

87 14.4 12.0 18.0



#44

Trichloroethene

Concen: 51.738 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007843.D

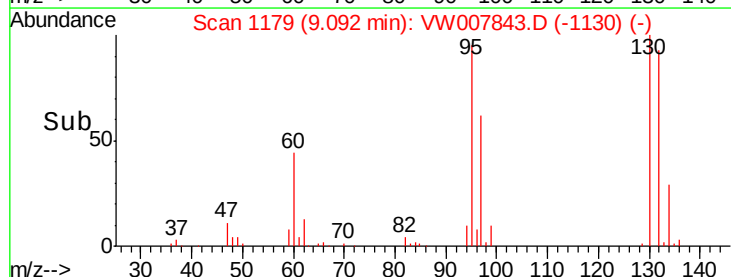
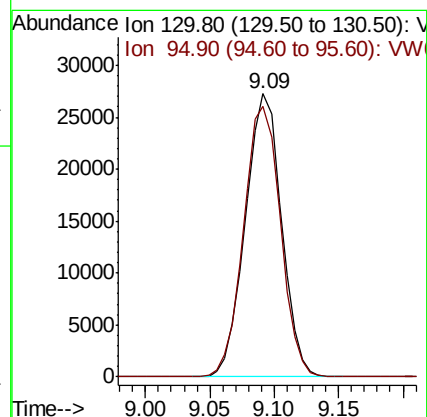
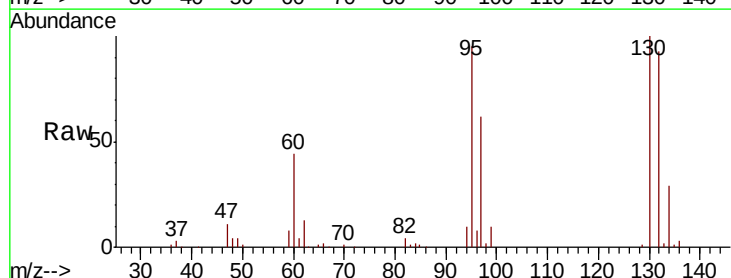
Acq: 22 Dec 2018 15:09

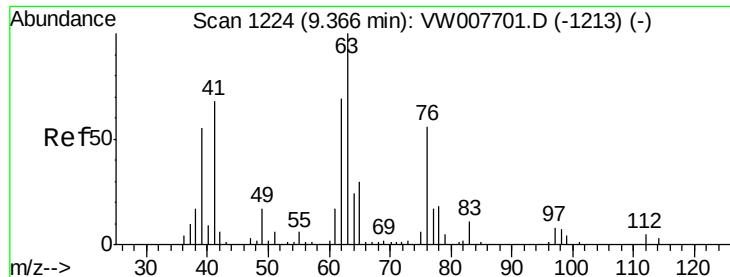
Tgt Ion: 130 Resp: 52867

Ion Ratio Lower Upper

130 100

95 95.4 0.0 194.8

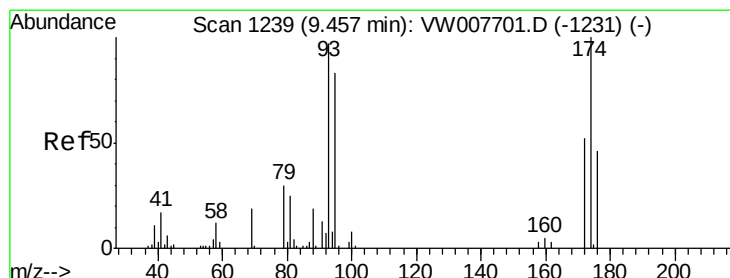
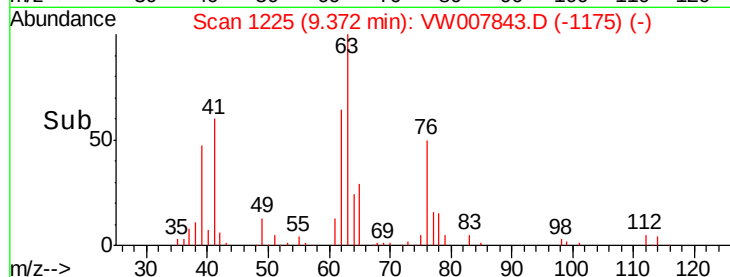
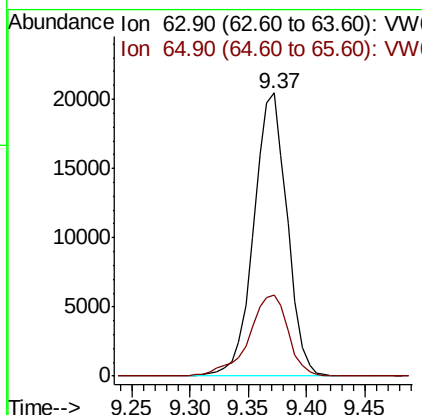
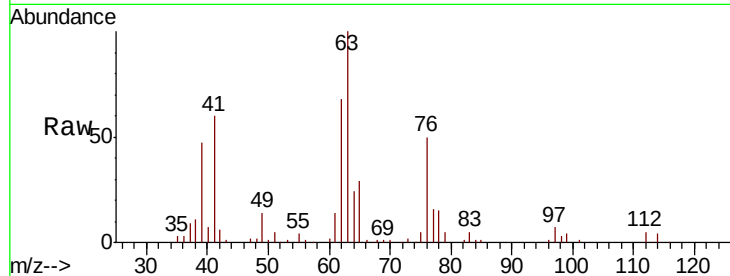




#45
 1,2-Dichloropropane
 Concen: 54.429 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

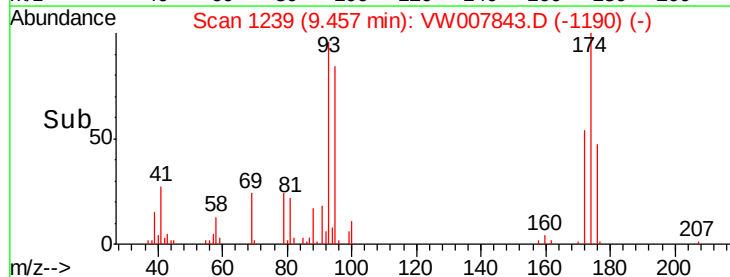
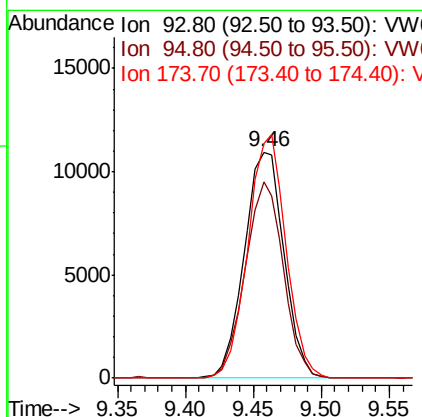
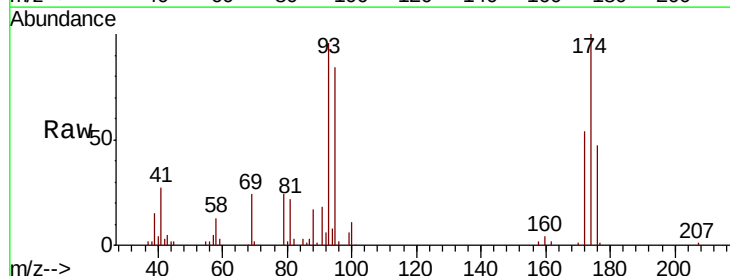
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

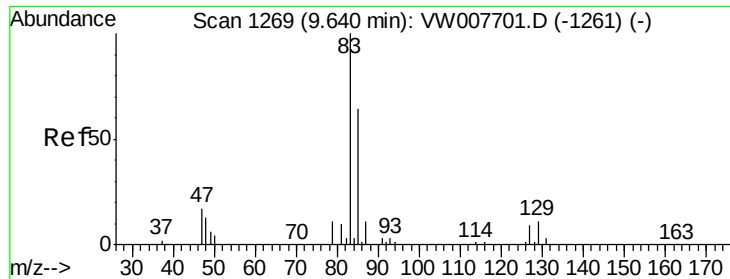
Tgt Ion: 63 Resp: 40808
 Ion Ratio Lower Upper
 63 100
 65 28.9 23.8 35.8



#46
 Dibromomethane
 Concen: 48.557 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 93 Resp: 22410
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.5 101.3
 174 102.8 83.9 125.9





#47

Bromodichloromethane

Concen: 46.863 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

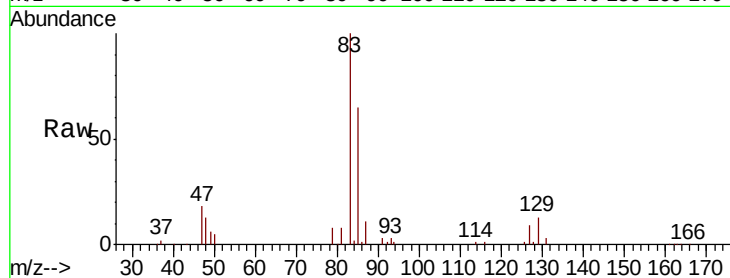
Tgt Ion: 83 Resp: 56860

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.0

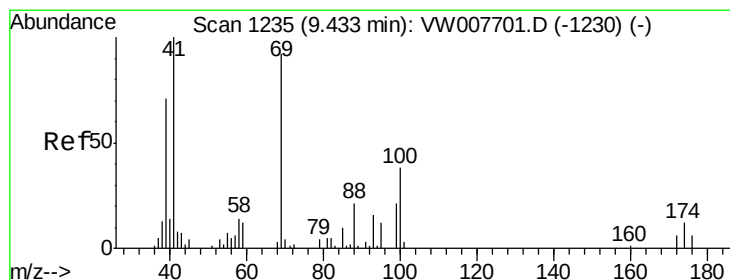
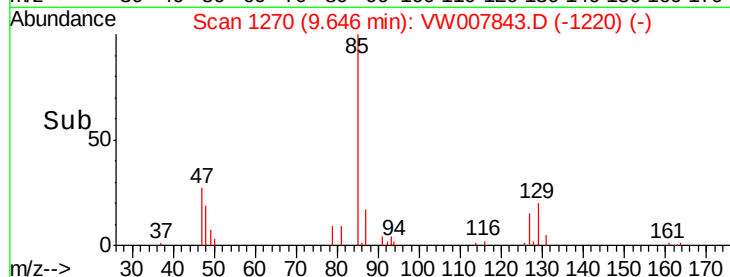
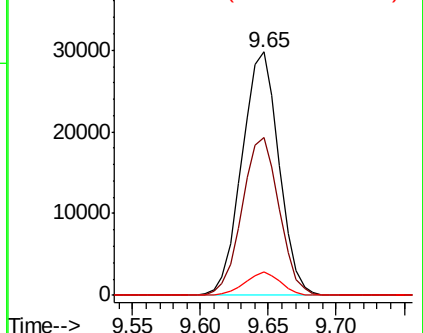
127 9.4 7.5 11.3



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): VW



#48

Methyl methacrylate

Concen: 54.130 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

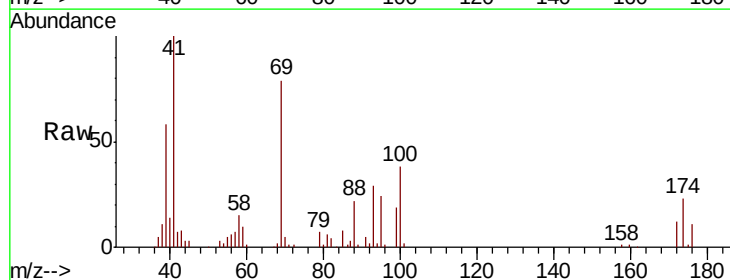
Tgt Ion: 41 Resp: 23655

Ion Ratio Lower Upper

41 100

69 88.0 74.2 111.2

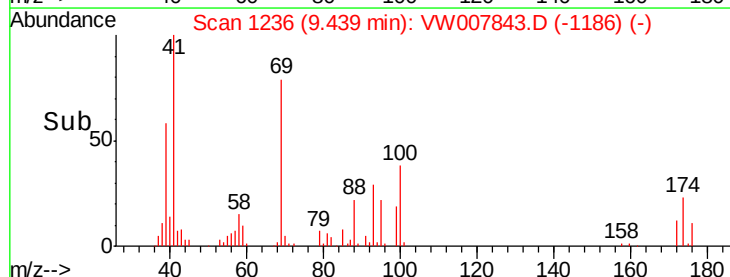
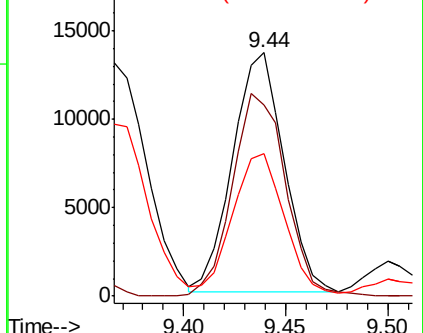
39 57.9 53.9 80.9

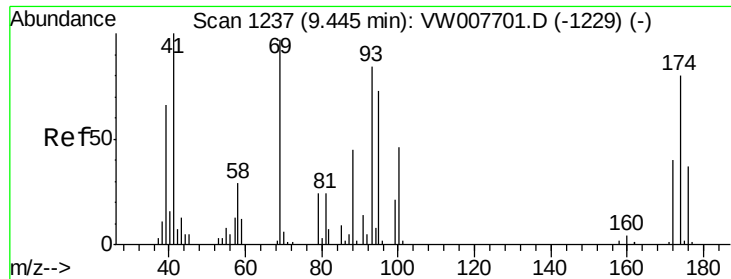


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

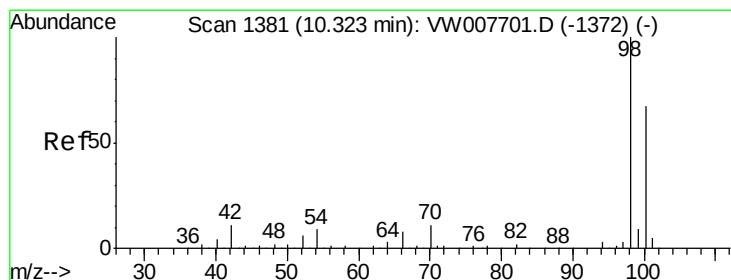
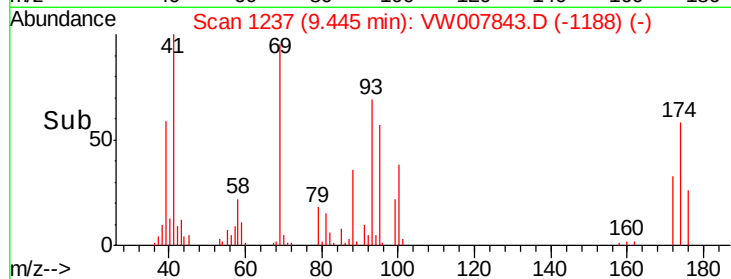
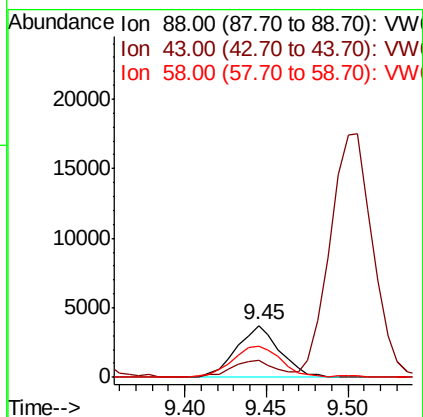
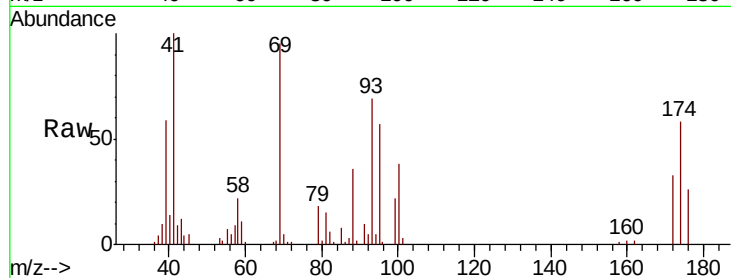




#49
 1,4-Dioxane
 Concen: 935.460 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

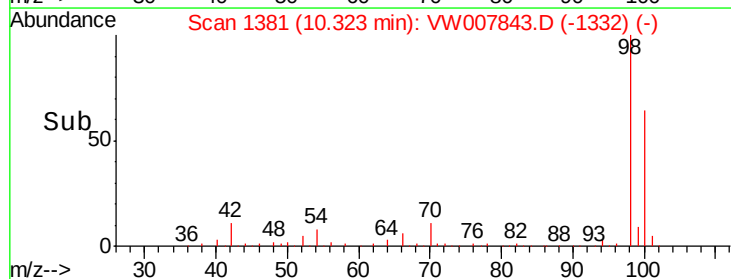
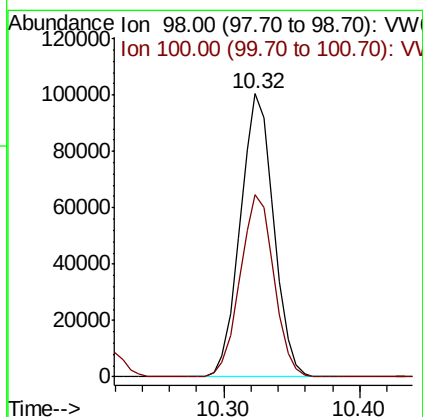
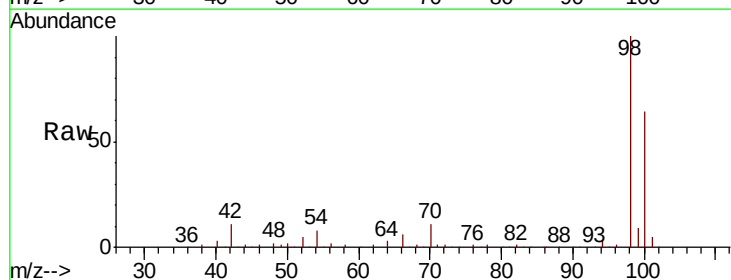
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

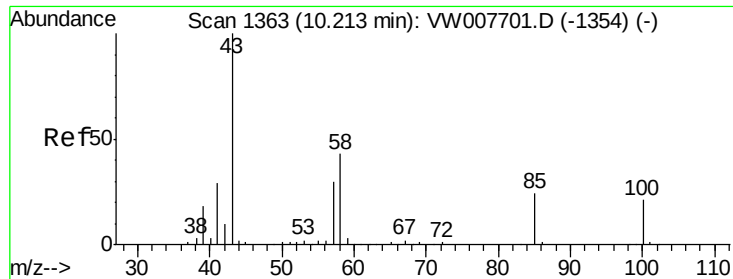
Tgt Ion: 88 Resp: 6845
 Ion Ratio Lower Upper
 88 100
 43 32.5 25.6 38.4
 58 68.4 52.3 78.5



#50
 Toluene-d8
 Concen: 56.971 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 98 Resp: 171890
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 259.478 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

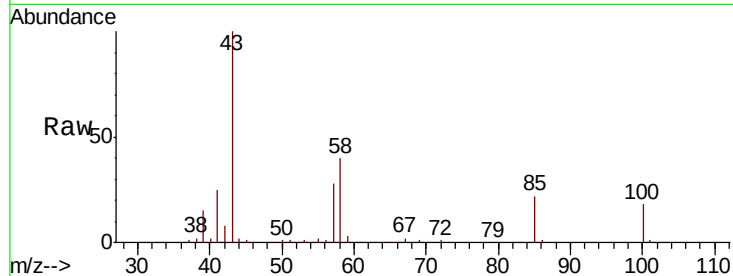
VSTDCCC050

Tgt Ion: 43 Resp: 107361

Ion Ratio Lower Upper

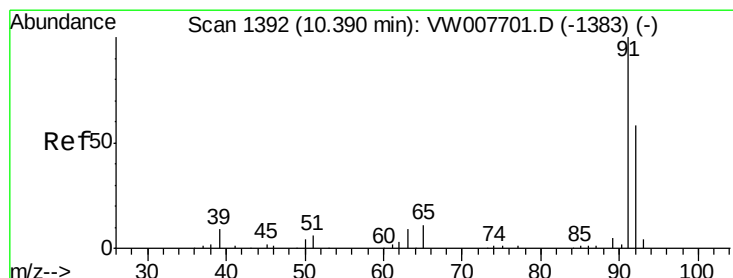
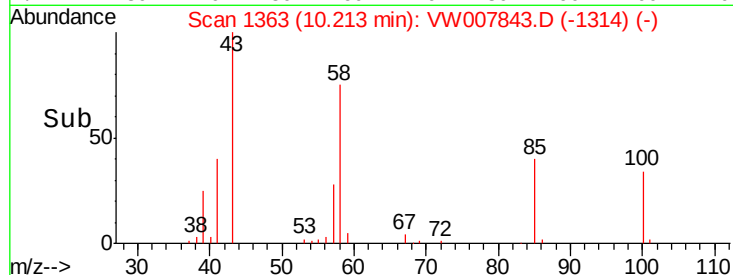
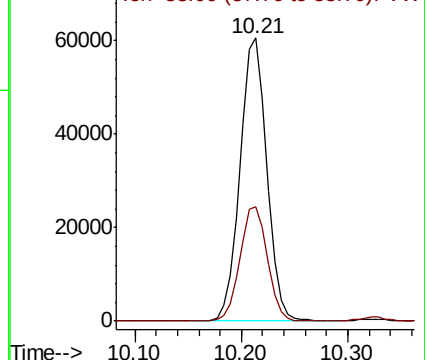
43 100

58 41.4 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 58.645 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007843.D

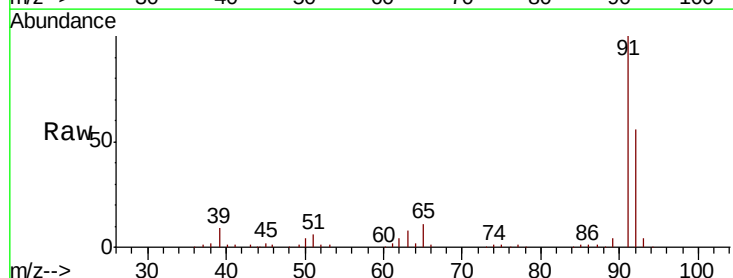
Acq: 22 Dec 2018 15:09

Tgt Ion: 92 Resp: 132950

Ion Ratio Lower Upper

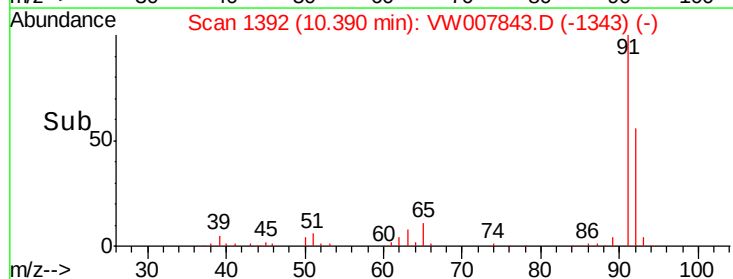
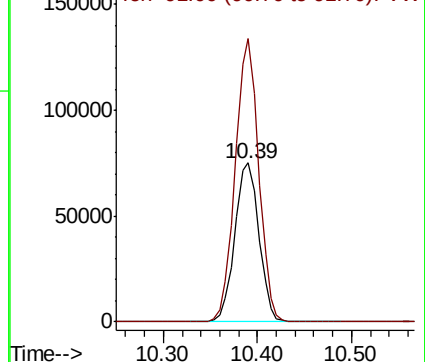
92 100

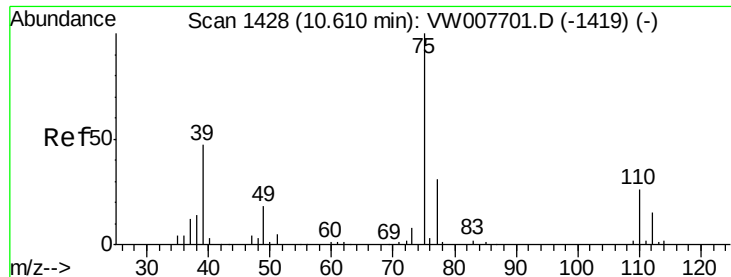
91 173.6 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

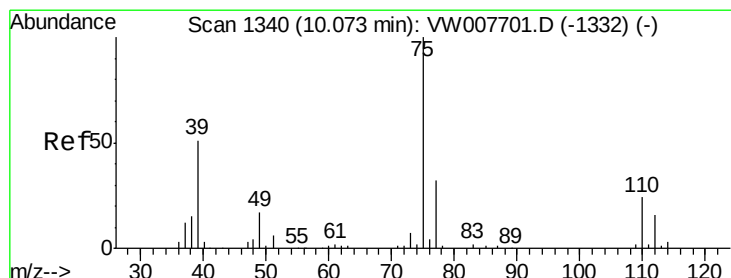
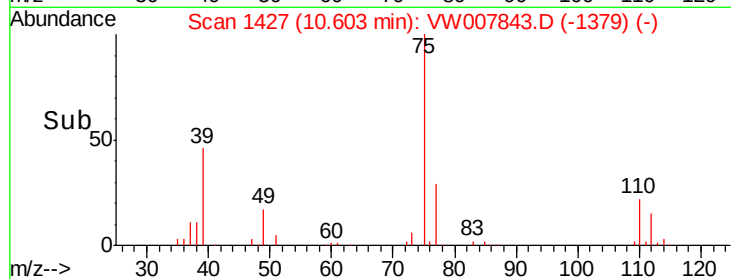
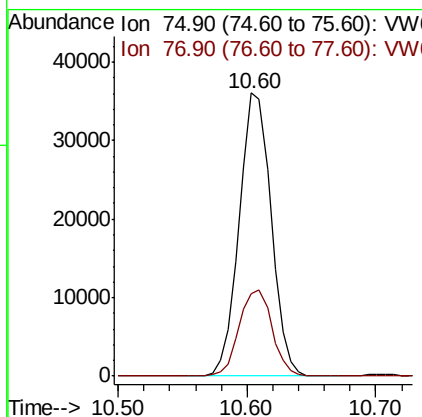
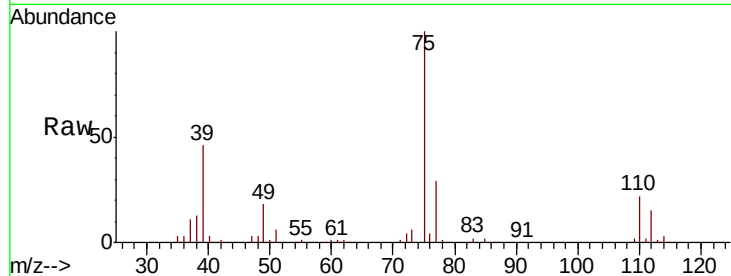




#53
 t-1,3-Dichloropropene
 Concen: 51.245 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

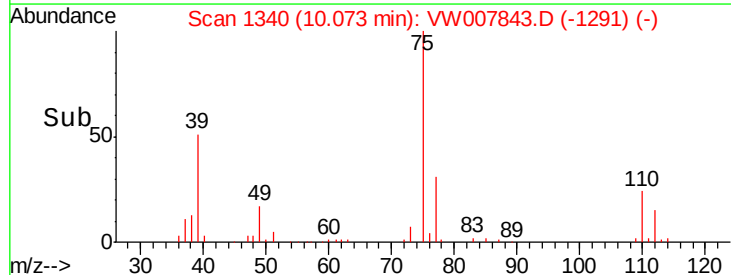
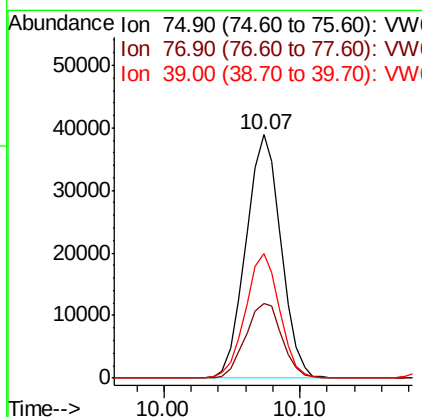
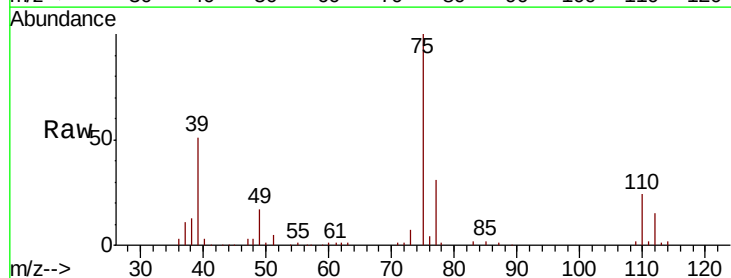
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

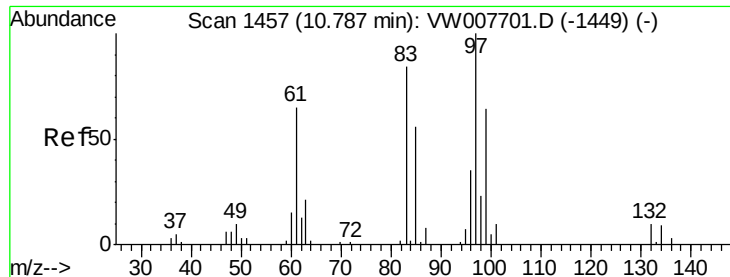
Tgt Ion: 75 Resp: 61845
 Ion Ratio Lower Upper
 75 100
 77 29.2 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 52.529 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 75 Resp: 70023
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.5 38.3
 39 51.3 41.2 61.8





#55

1,1,2-Trichloroethane

Concen: 49.807 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 31690

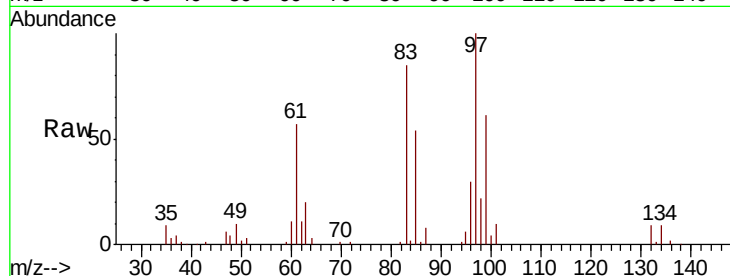
Ion Ratio Lower Upper

97 100

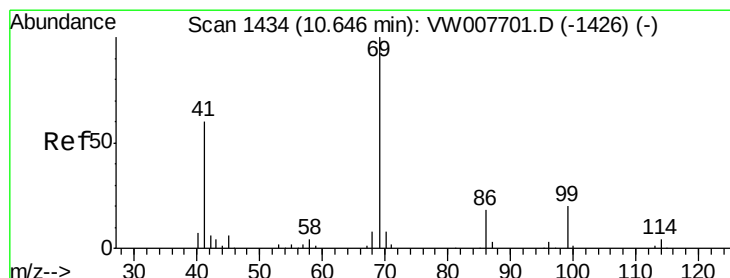
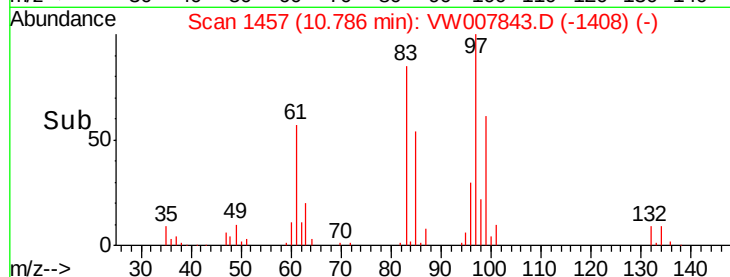
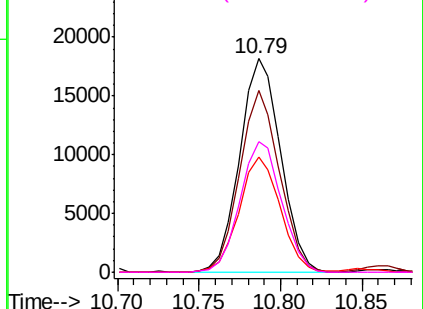
83 85.0 67.5 101.3

85 54.2 44.8 67.2

99 61.1 51.0 76.4



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: 52.699 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

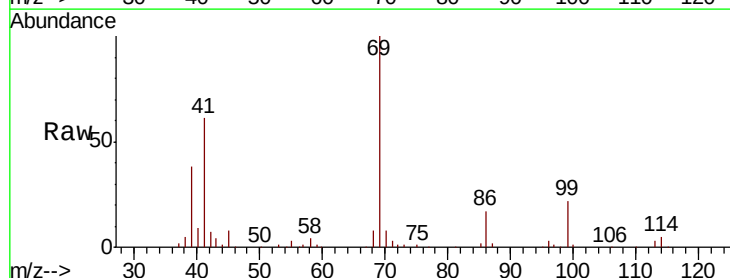
Tgt Ion: 69 Resp: 39616

Ion Ratio Lower Upper

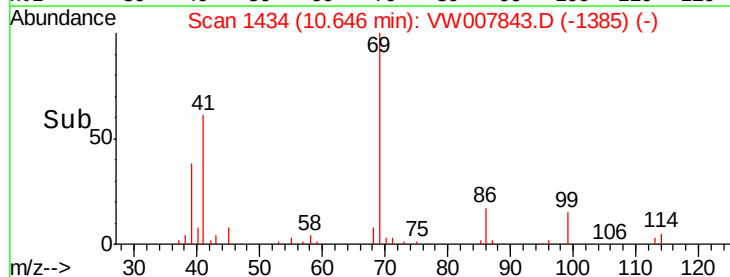
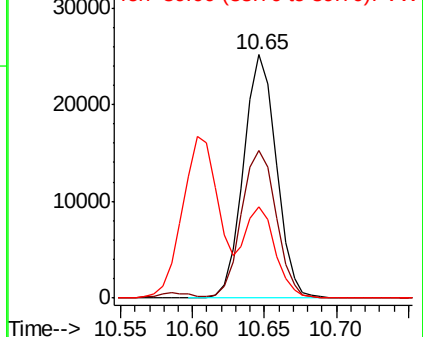
69 100

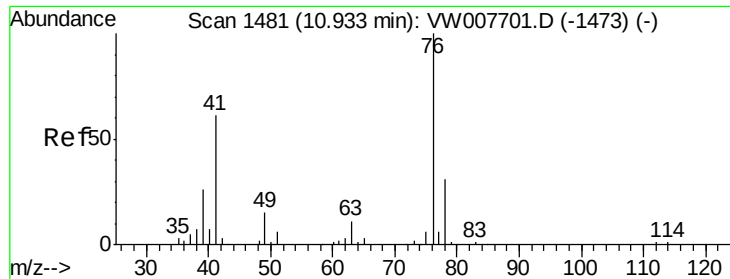
41 65.0 48.9 73.3

39 35.8 31.3 46.9



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

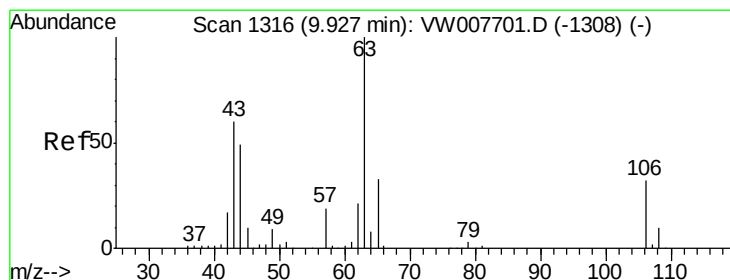
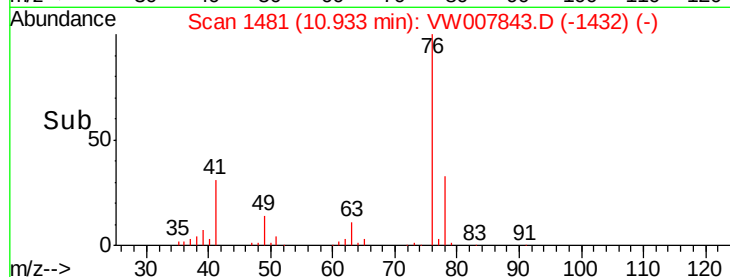
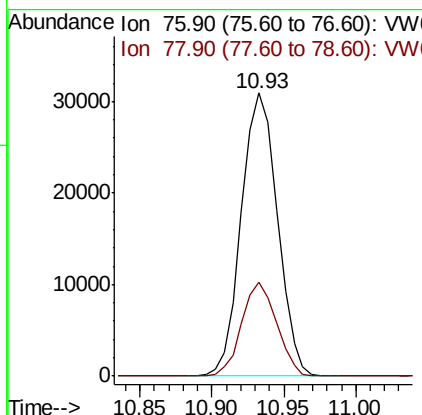
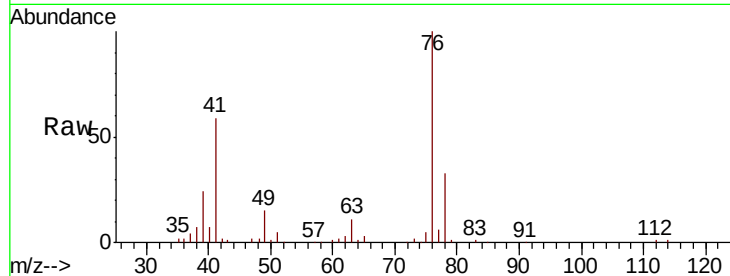




#57
 1,3-Dichloropropane
 Concen: 50.960 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

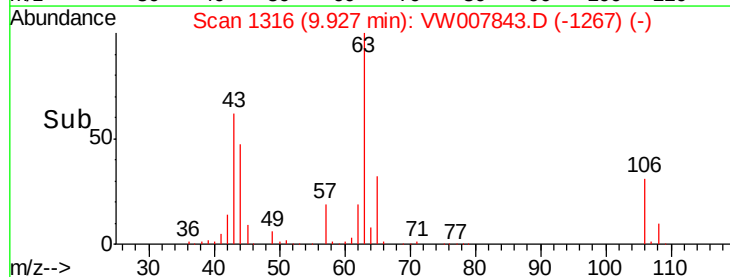
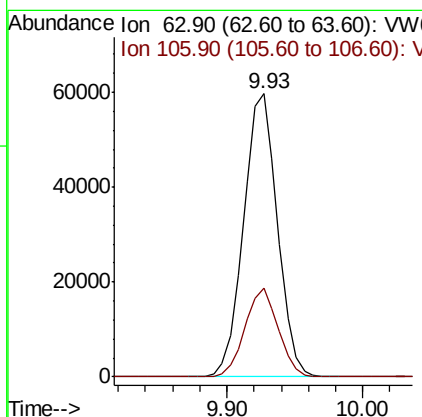
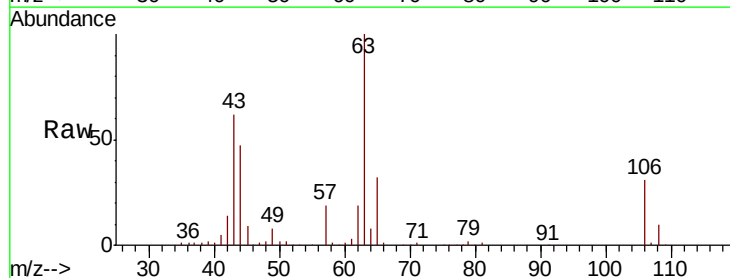
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

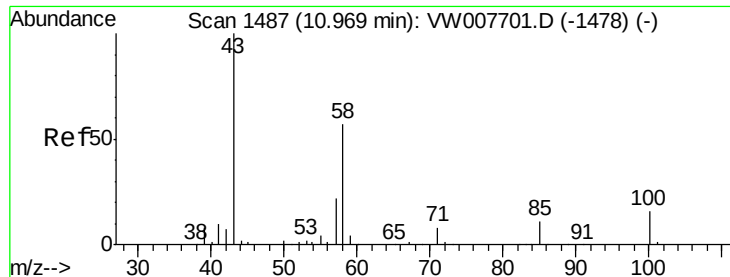
Tgt Ion: 76 Resp: 53841
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 302.079 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 63 Resp: 103680
 Ion Ratio Lower Upper
 63 100
 106 30.9 25.9 38.9

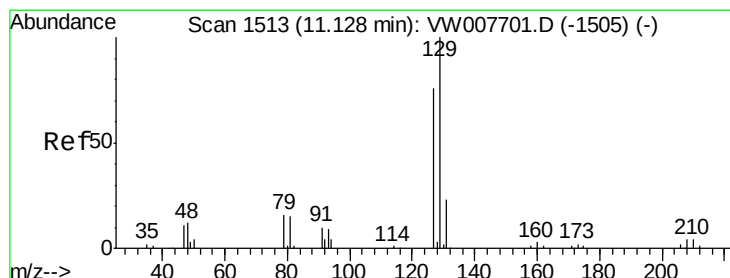
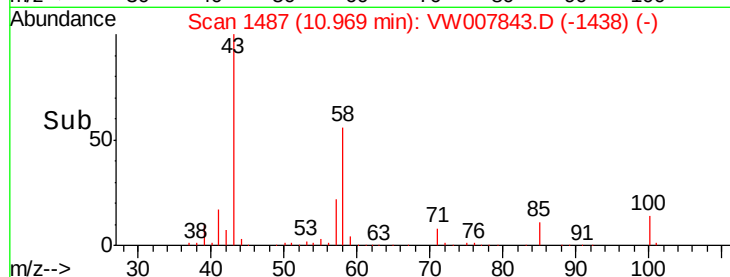
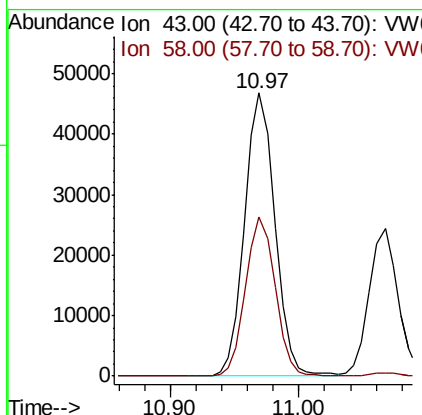
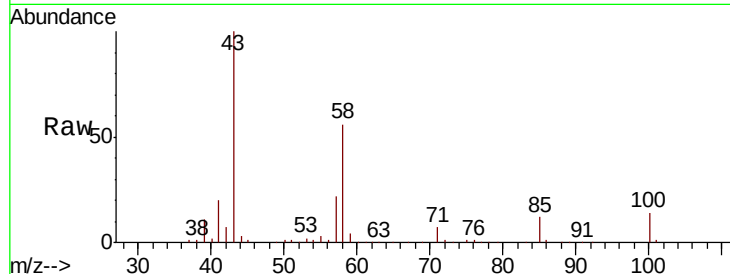




#59
2-Hexanone
Concen: 261.421 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

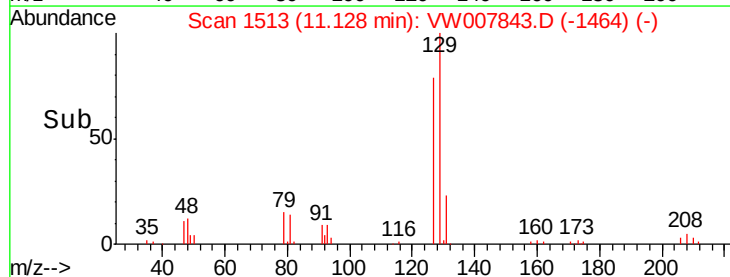
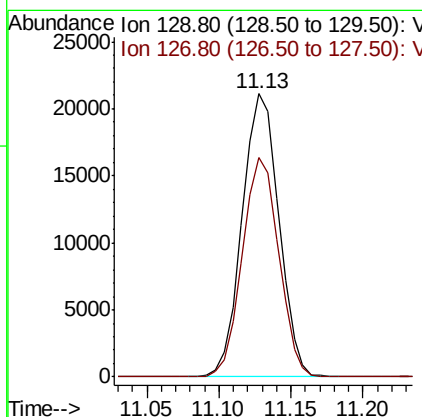
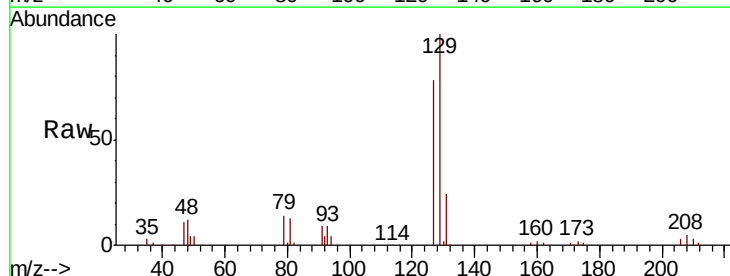
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

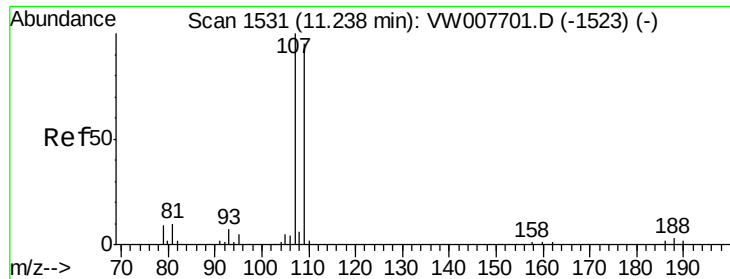
Tgt Ion: 43 Resp: 76069
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.1



#60
Dibromochloromethane
Concen: 44.260 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 129 Resp: 37286
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 48.739 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

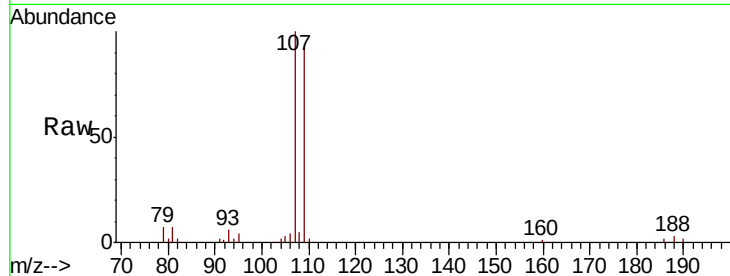
VSTDCCC050

Tgt Ion:107 Resp: 31403

Ion Ratio Lower Upper

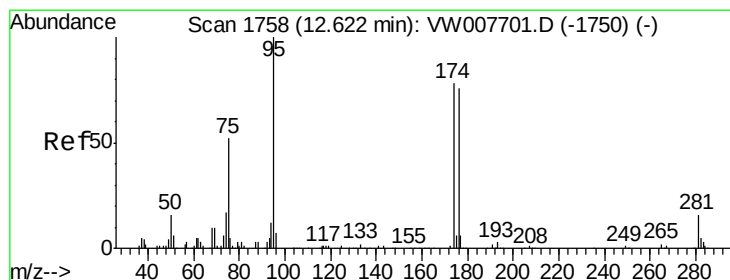
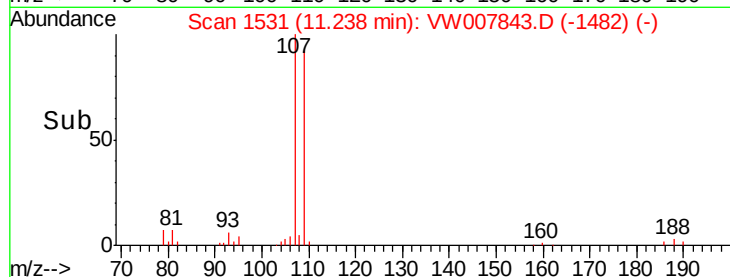
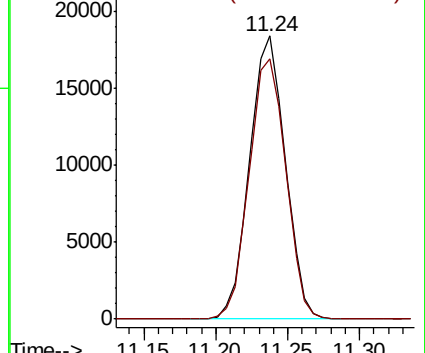
107 100

109 94.6 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.739 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

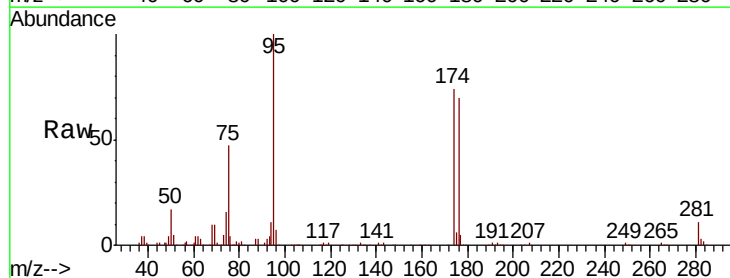
Tgt Ion: 95 Resp: 64969

Ion Ratio Lower Upper

95 100

174 74.3 0.0 152.2

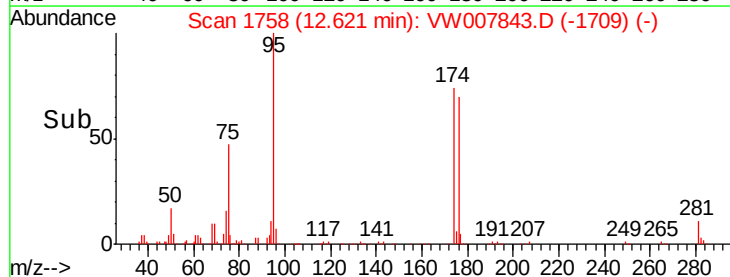
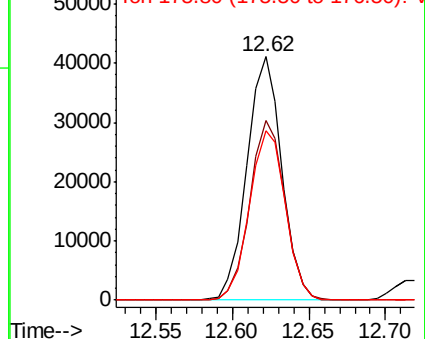
176 71.9 0.0 146.8

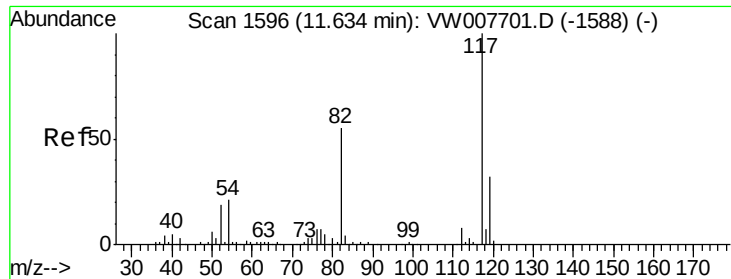


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

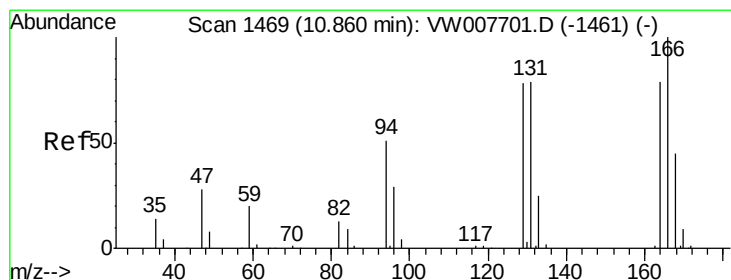
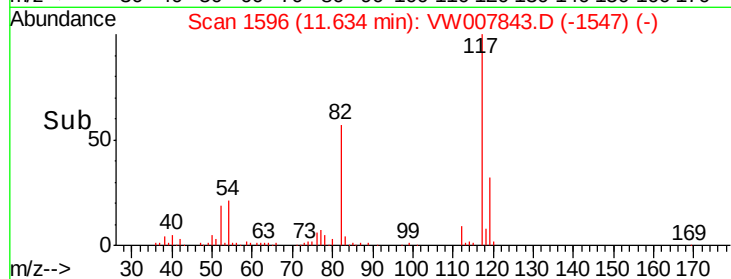
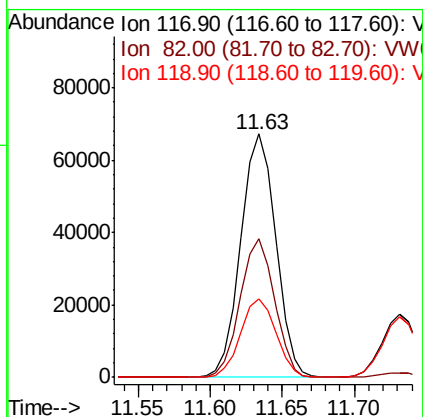
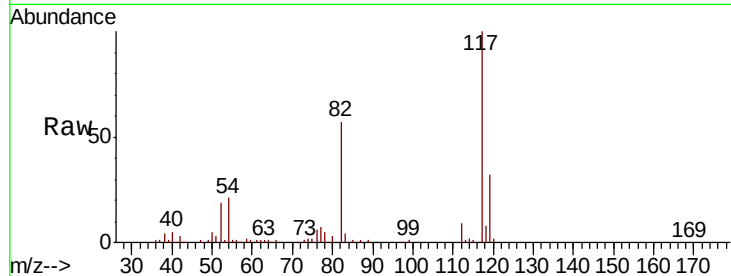




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

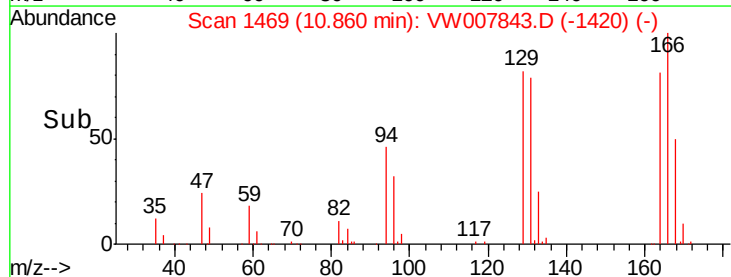
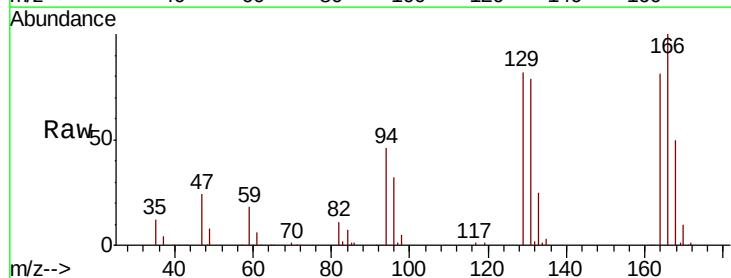
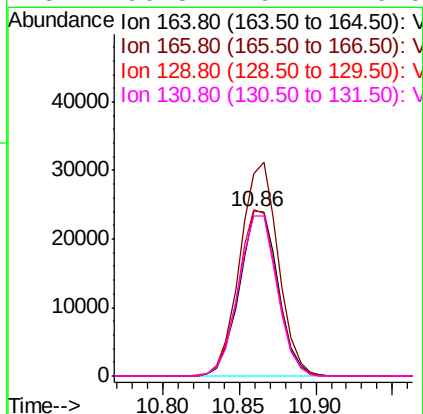
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

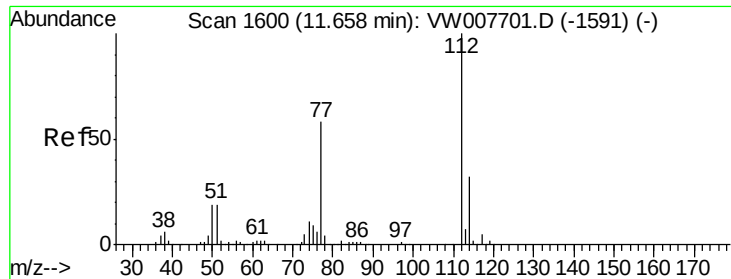
Tgt Ion:117 Resp: 113373
Ion Ratio Lower Upper
117 100
82 57.1 44.3 66.5
119 32.4 25.7 38.5



#64
Tetrachloroethene
Concen: 52.483 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:164 Resp: 42135
Ion Ratio Lower Upper
164 100
166 122.7 101.0 151.6
129 101.1 78.7 118.1
131 96.8 79.4 119.0

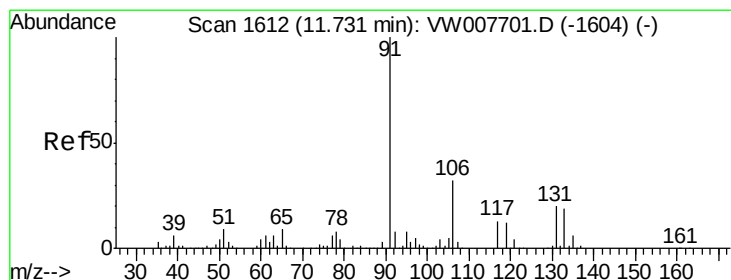
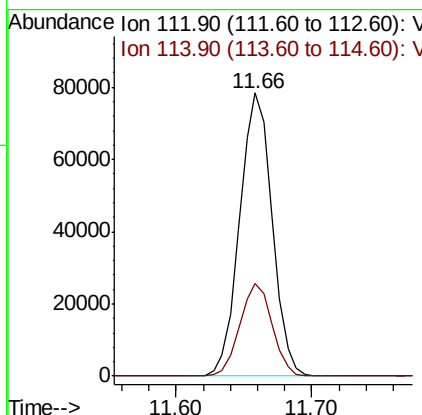
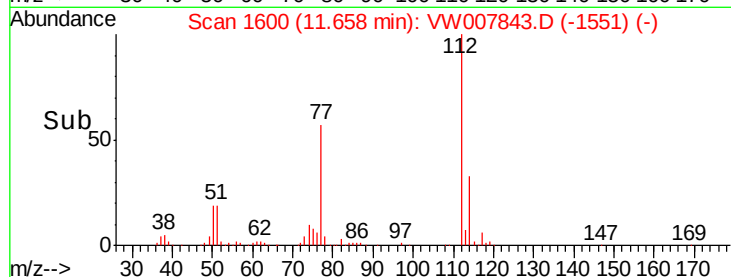
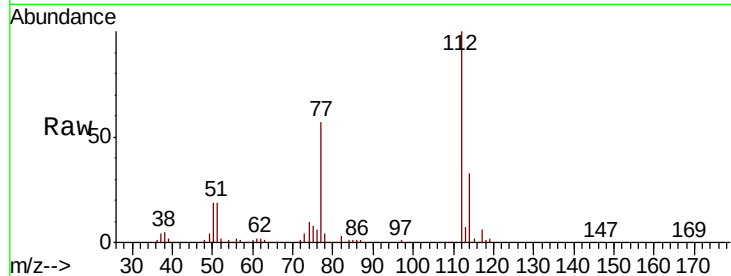




#65
Chlorobenzene
Concen: 53.173 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

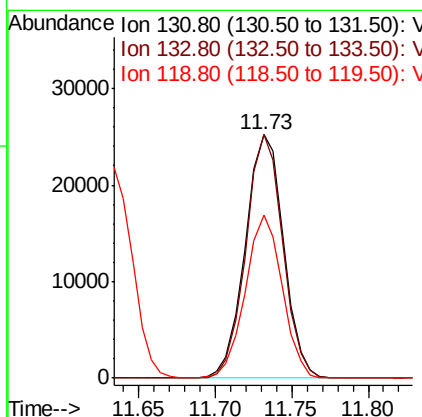
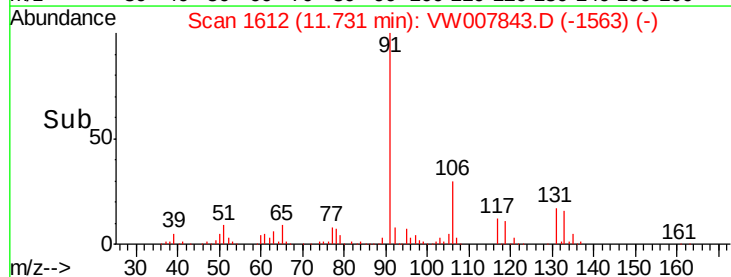
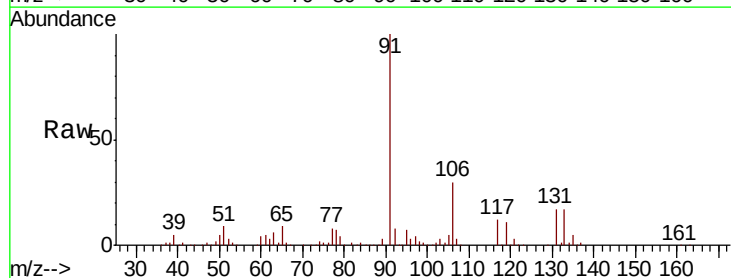
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

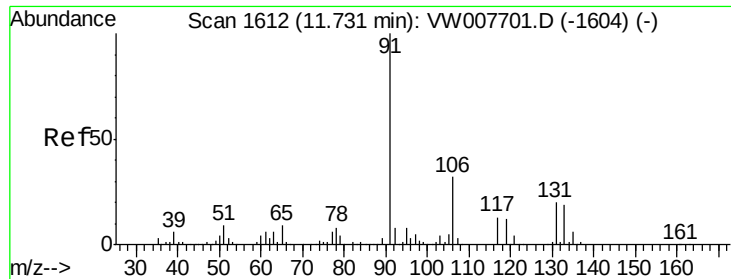
Tgt Ion:112 Resp: 130481
Ion Ratio Lower Upper
112 100
114 32.7 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.996 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:131 Resp: 43837
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.5
119 64.6 30.2 90.6

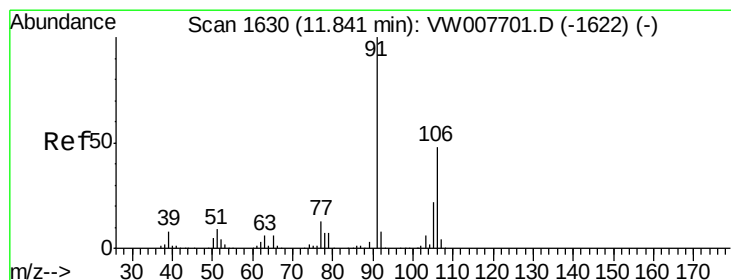
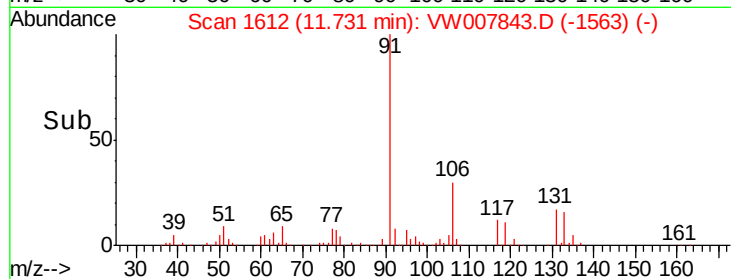
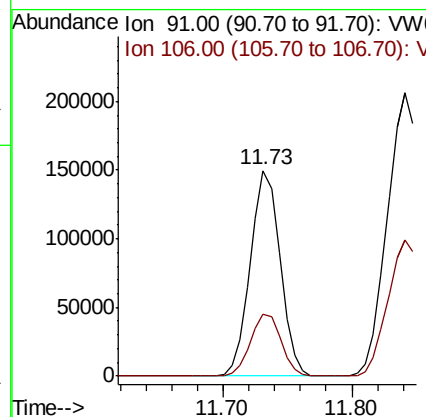
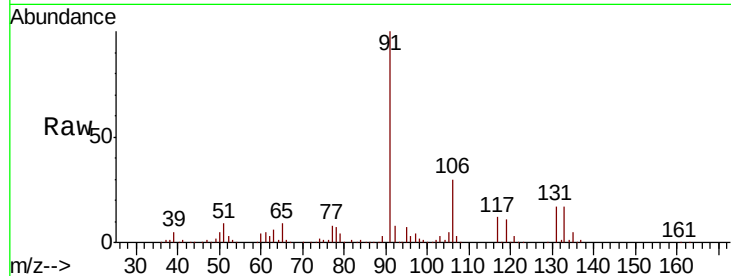




#67
Ethyl Benzene
Concen: 56.684 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

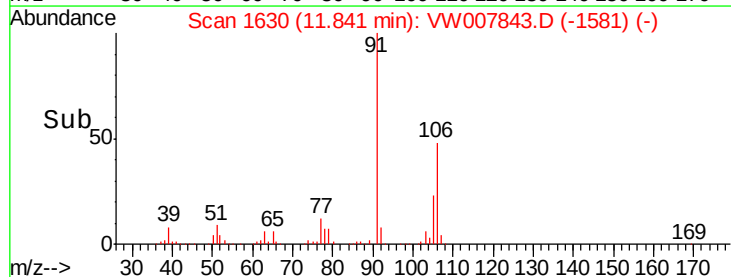
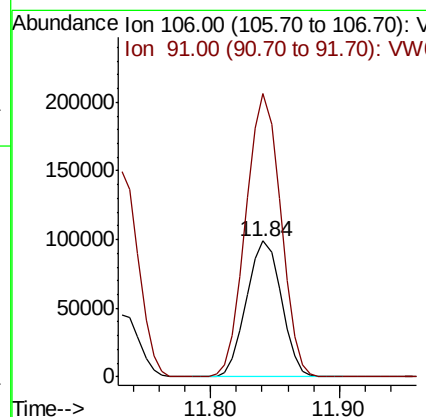
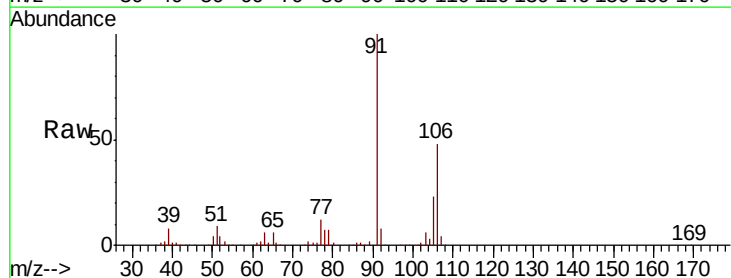
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

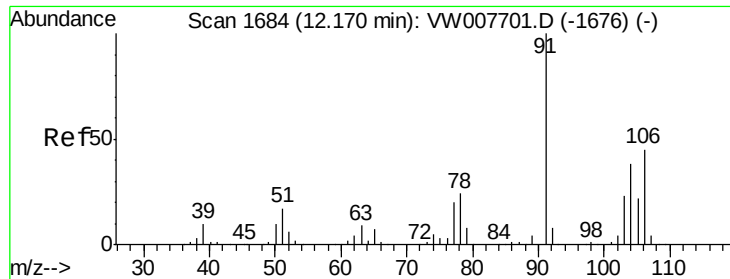
Tgt Ion: 91 Resp: 238687
Ion Ratio Lower Upper
91 100
106 30.3 25.8 38.8



#68
m/p-Xylenes
Concen: 114.169 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 106 Resp: 186489
Ion Ratio Lower Upper
106 100
91 207.3 165.2 247.8

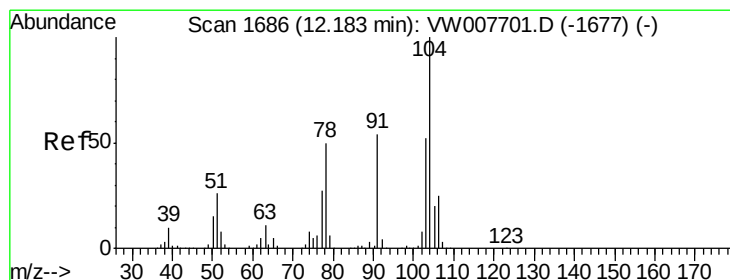
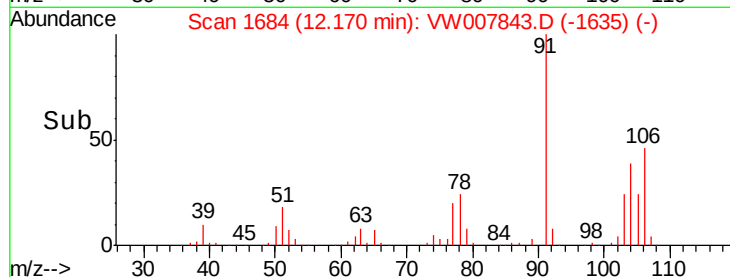
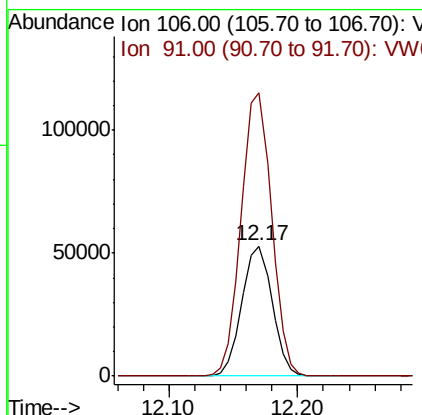
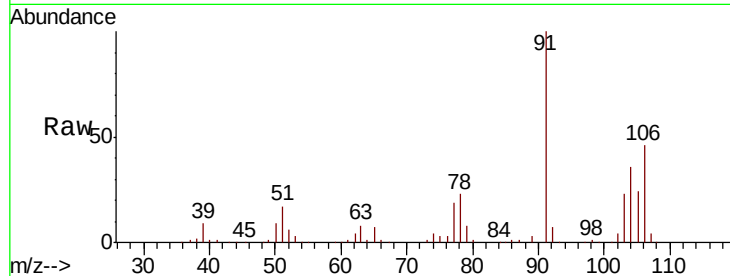




#69
o-Xylene
Concen: 56.306 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

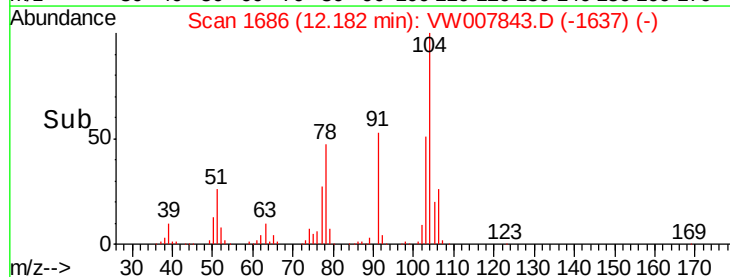
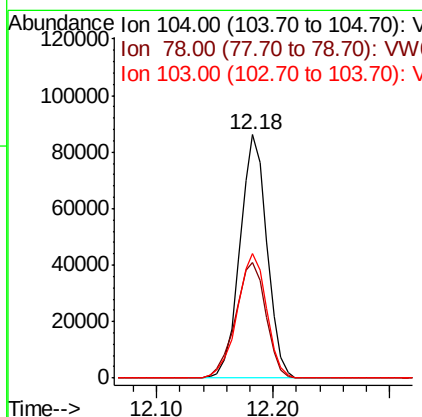
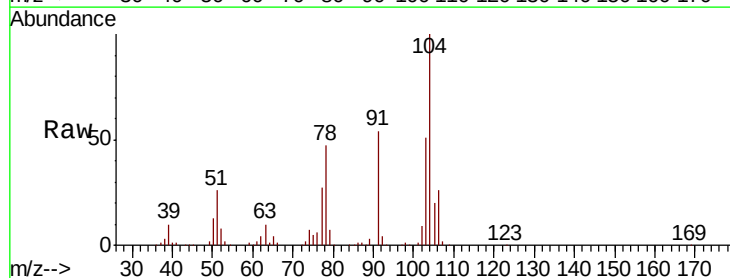
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

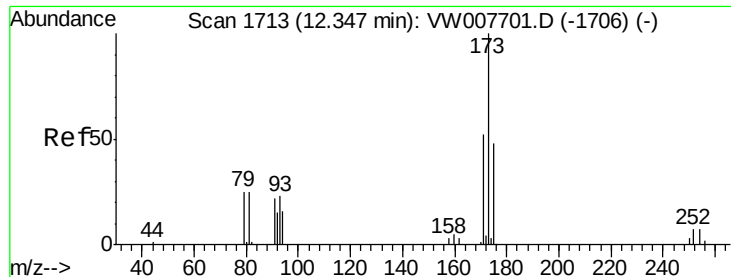
Tgt Ion:106 Resp: 86212
Ion Ratio Lower Upper
106 100
91 219.6 110.5 331.4



#70
Styrene
Concen: 55.259 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:104 Resp: 139082
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.0
103 55.7 44.5 66.7





#71

Bromoform

Concen: 43.241 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

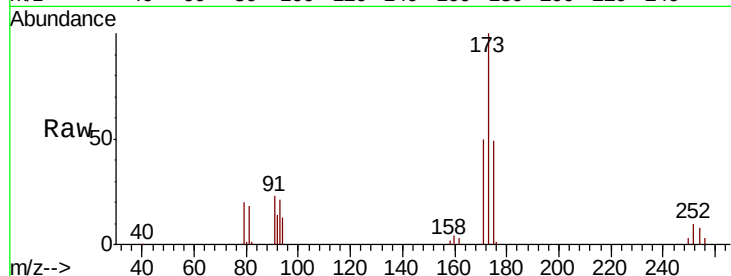
Tgt Ion:173 Resp: 19682

Ion Ratio Lower Upper

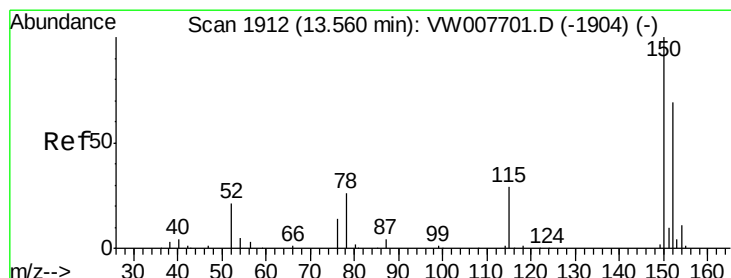
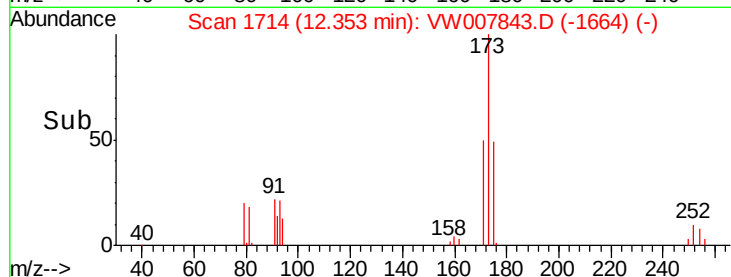
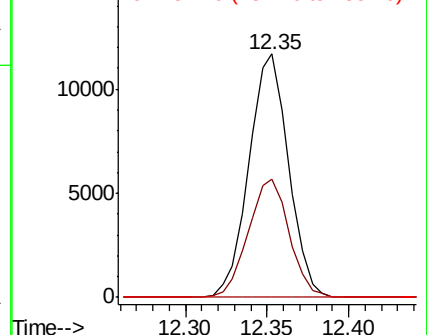
173 100

175 50.1 23.9 71.7

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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

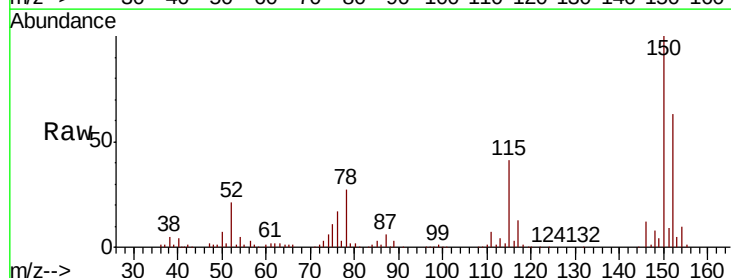
Tgt Ion:152 Resp: 56688

Ion Ratio Lower Upper

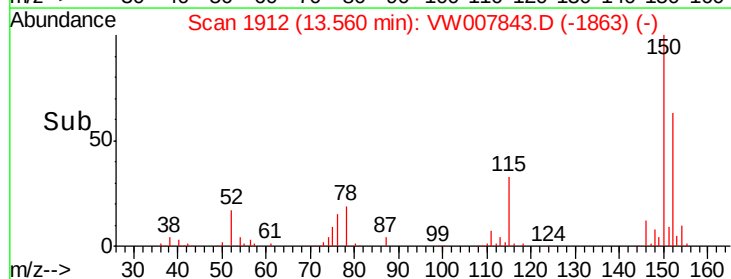
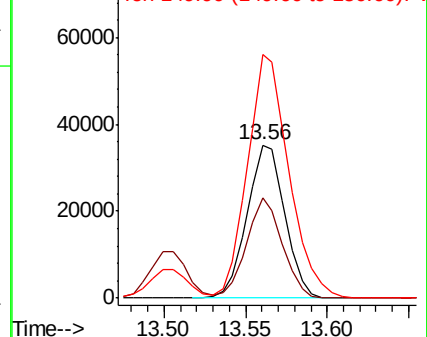
152 100

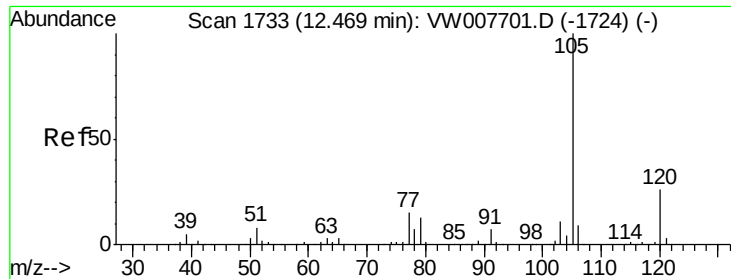
115 62.2 31.8 95.4

150 174.8 0.0 350.8



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: 57.690 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

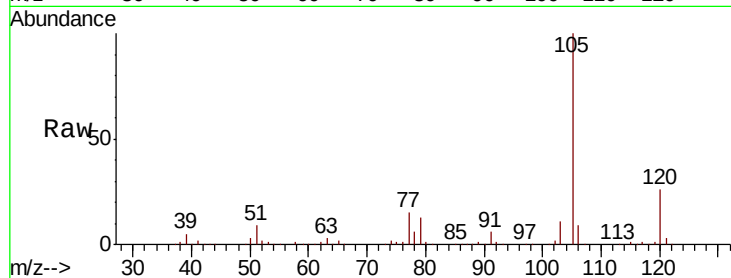
VSTDCCC050

Tgt Ion: 105 Resp: 247202

Ion Ratio Lower Upper

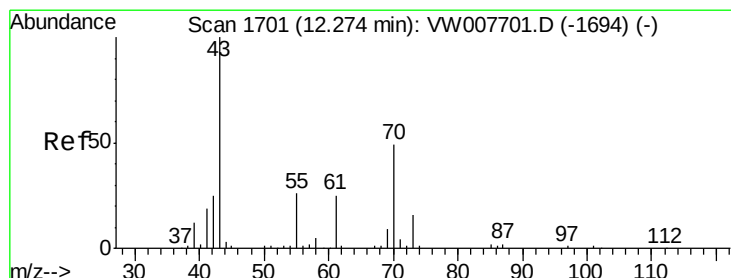
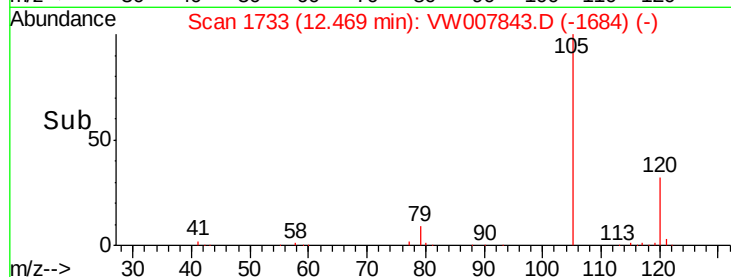
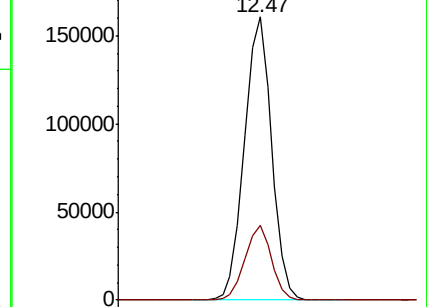
105 100

120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 57.514 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Tgt Ion: 43 Resp: 42688

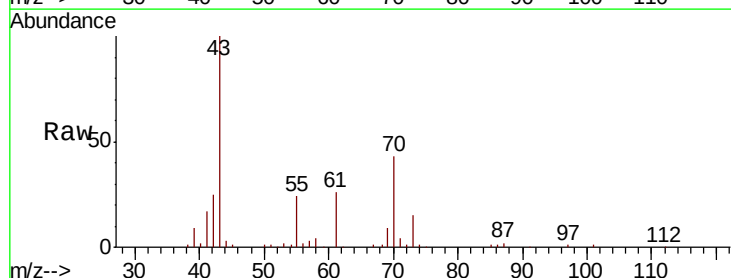
Ion Ratio Lower Upper

43 100

70 44.8 37.6 56.4

55 24.5 21.7 32.5

61 25.7 20.1 30.1

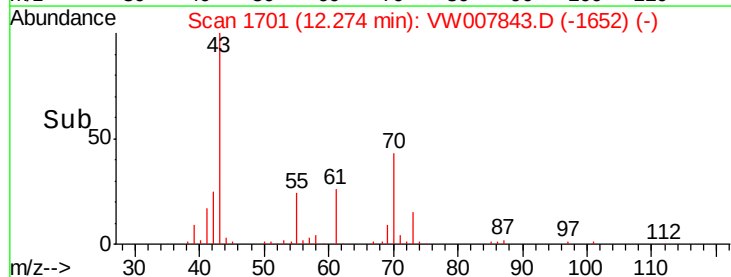
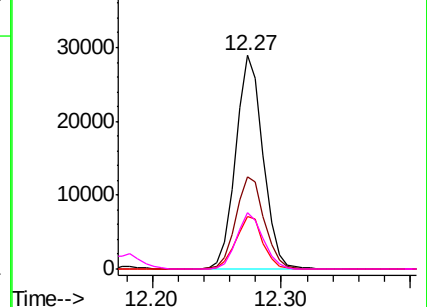


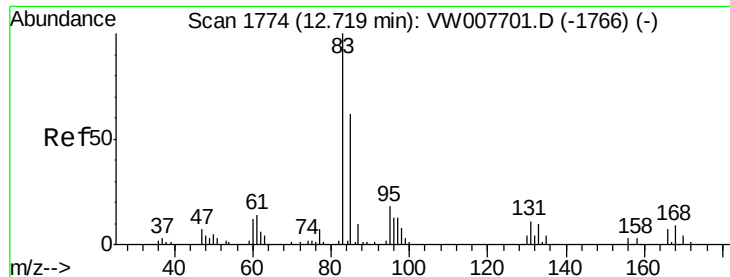
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.753 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

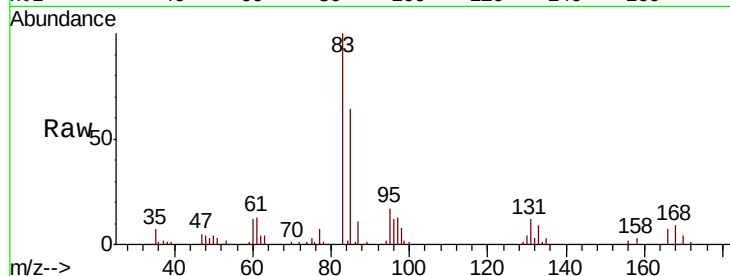
Tgt Ion: 83 Resp: 33892

Ion Ratio Lower Upper

83 100

131 12.4 6.3 18.8

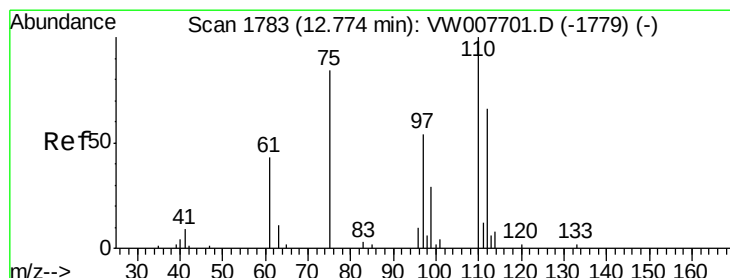
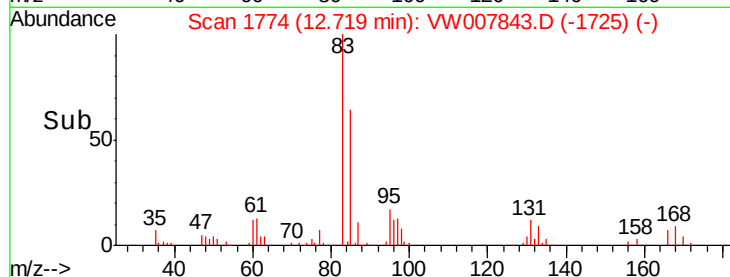
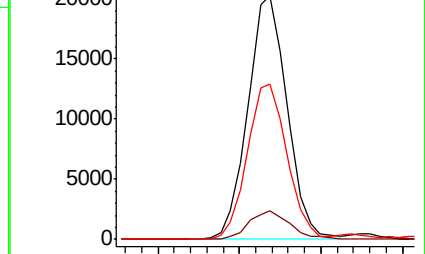
85 64.8 32.3 96.8



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: 108.044 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007843.D

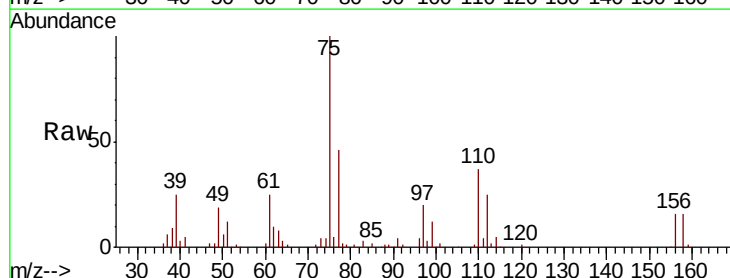
Acq: 22 Dec 2018 15:09

Tgt Ion: 75 Resp: 47339

Ion Ratio Lower Upper

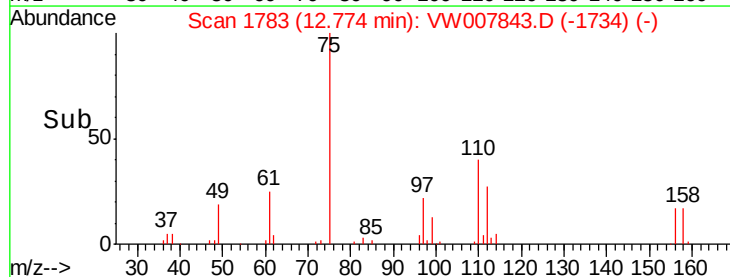
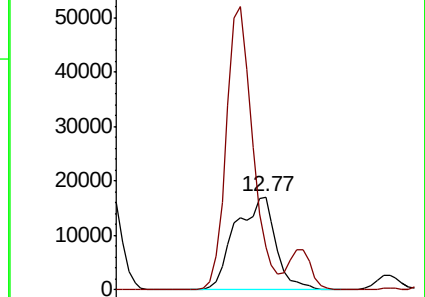
75 100

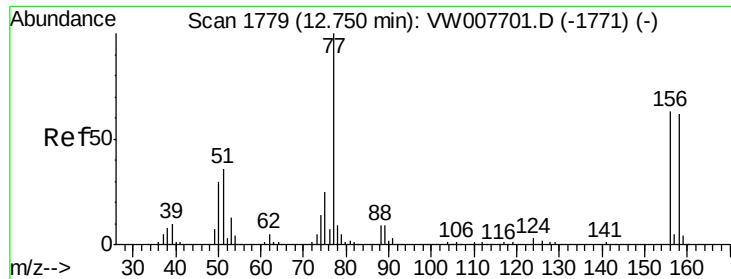
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.142 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

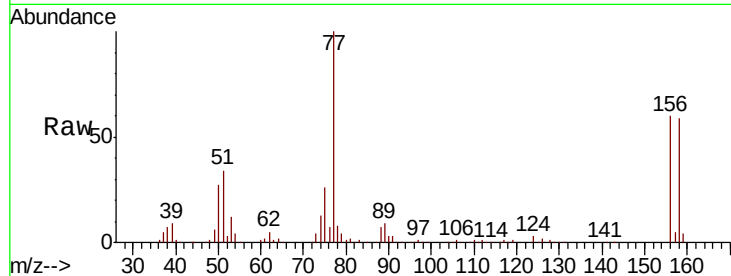
Tgt Ion:156 Resp: 51204

Ion Ratio Lower Upper

156 100

77 182.8 87.4 262.1

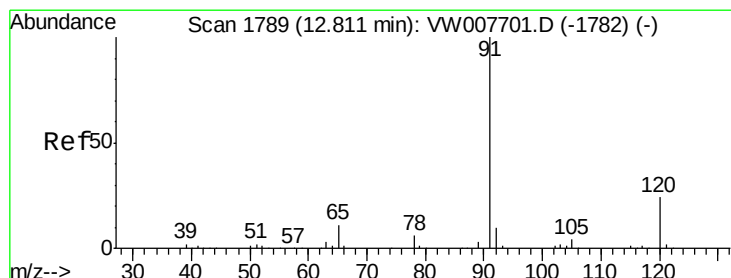
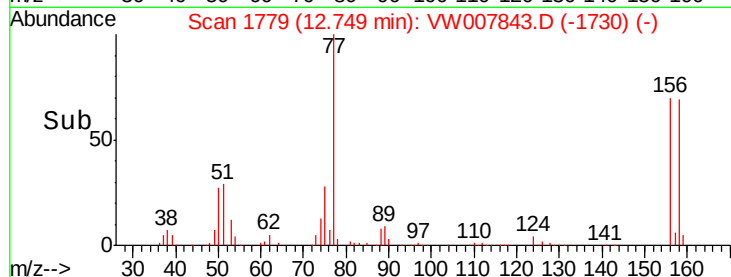
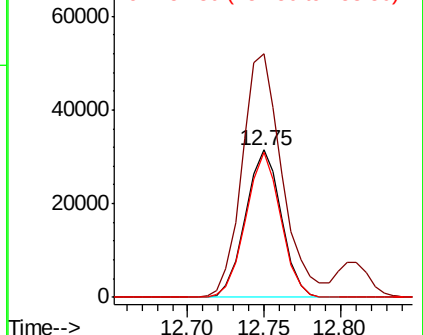
158 95.7 48.4 145.0



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: 57.563 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007843.D

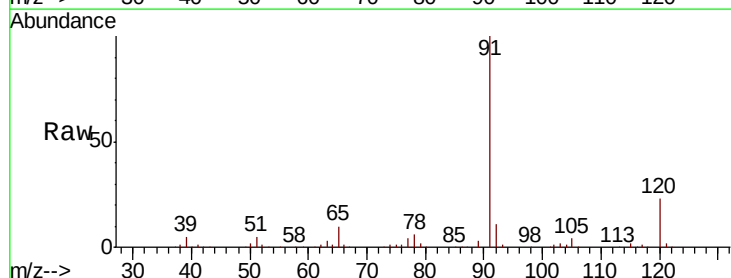
Acq: 22 Dec 2018 15:09

Tgt Ion: 91 Resp: 287122

Ion Ratio Lower Upper

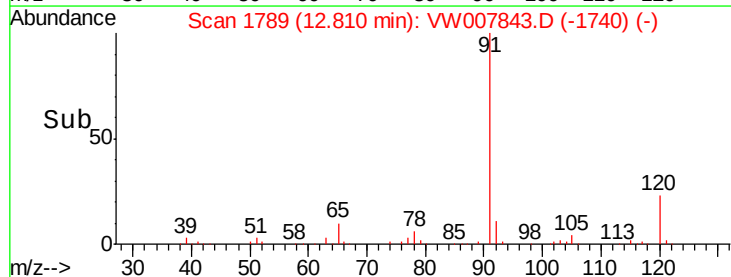
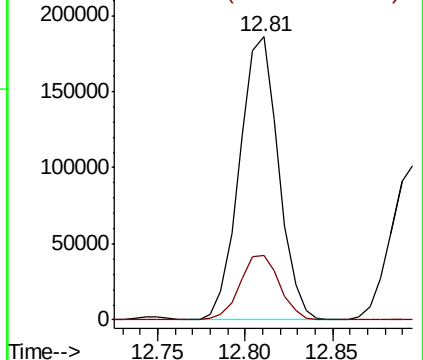
91 100

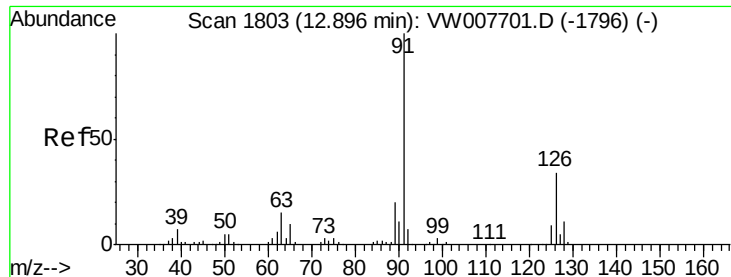
120 23.3 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

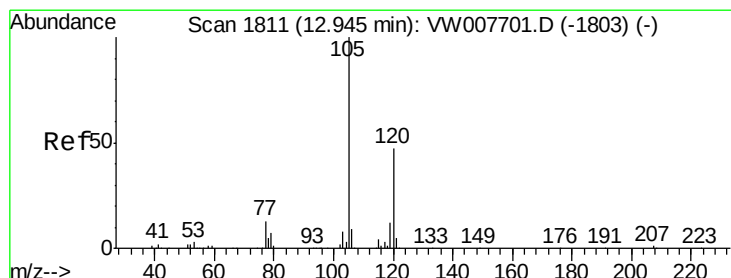
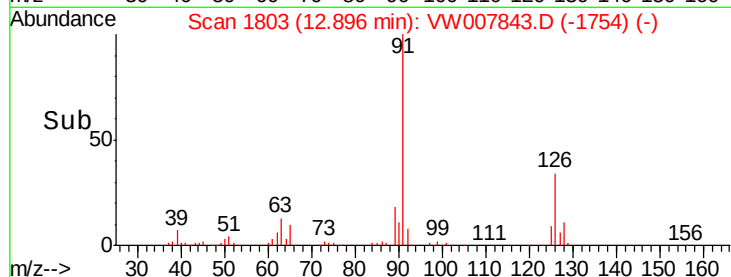
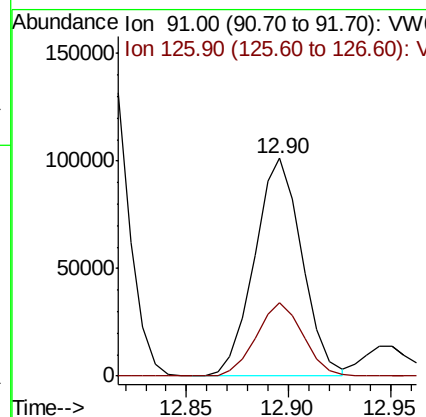
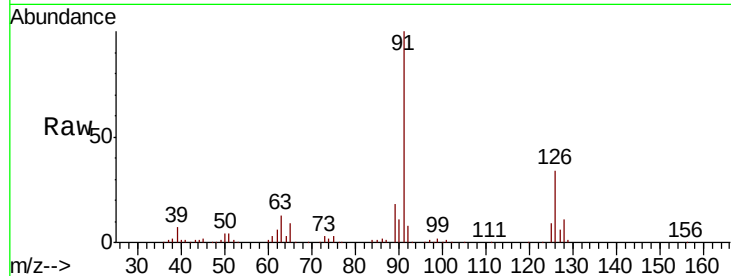




#79
 2-Chlorotoluene
 Concen: 56.312 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

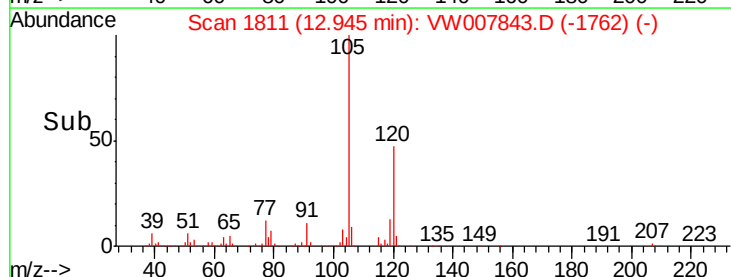
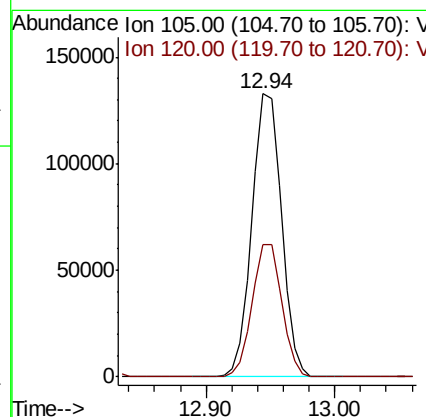
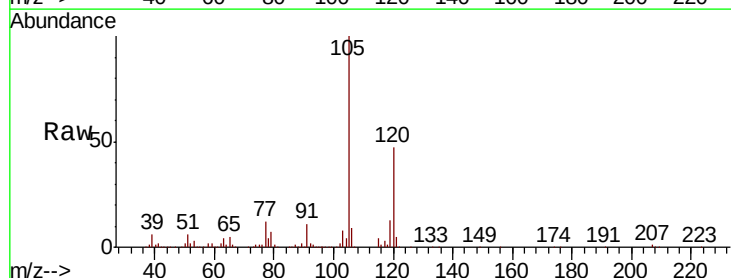
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

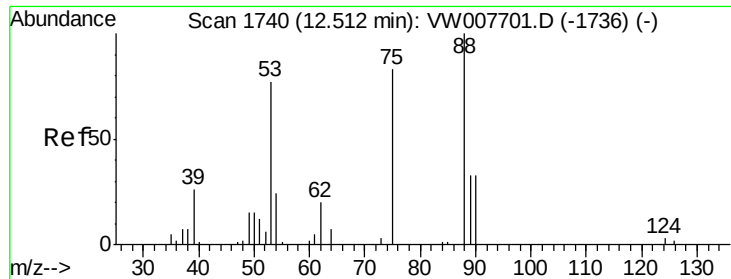
Tgt Ion: 91 Resp: 163628
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 56.796 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 105 Resp: 209925
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.6 70.8

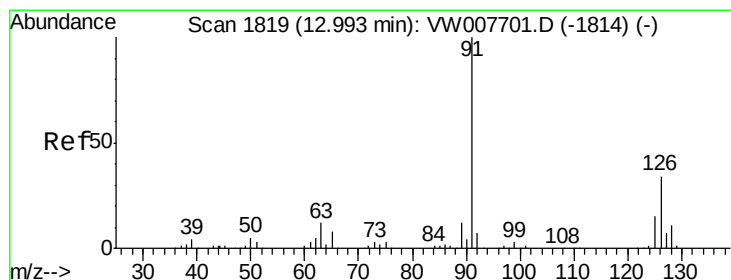
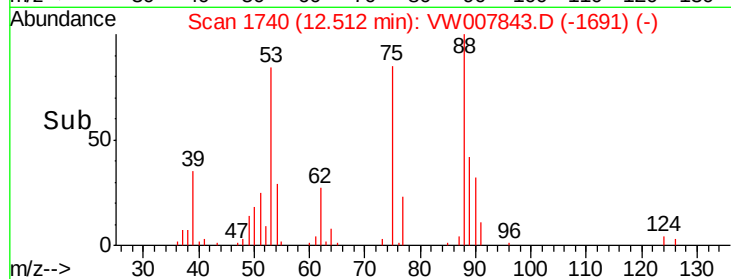
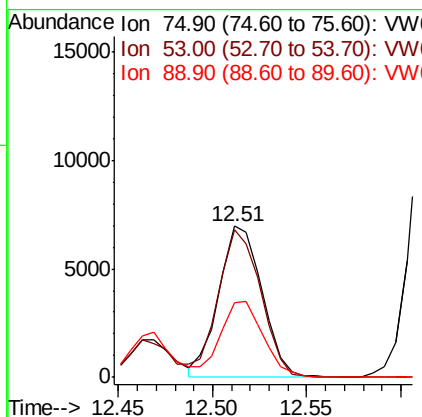
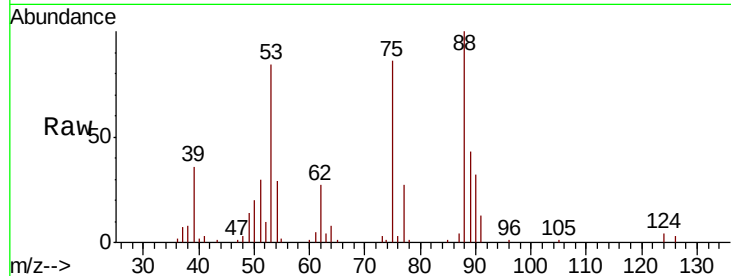




#81
trans-1,4-Dichloro-2-butene
Concen: 53.600 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

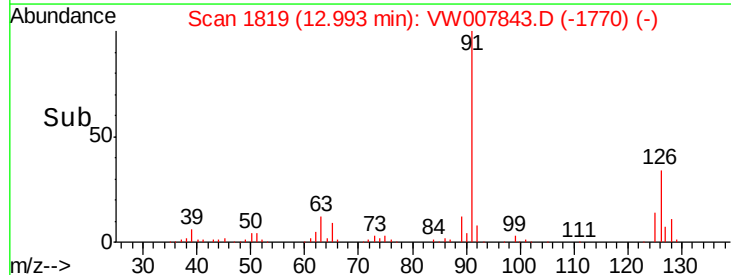
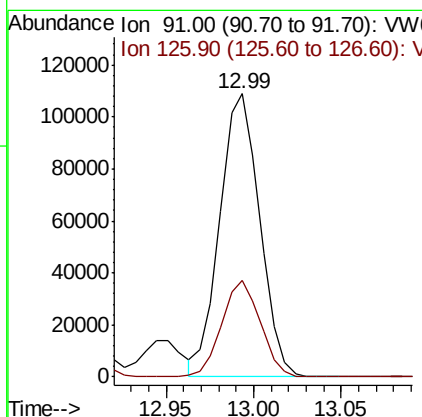
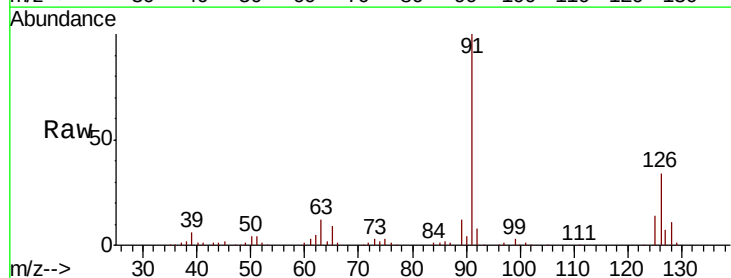
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

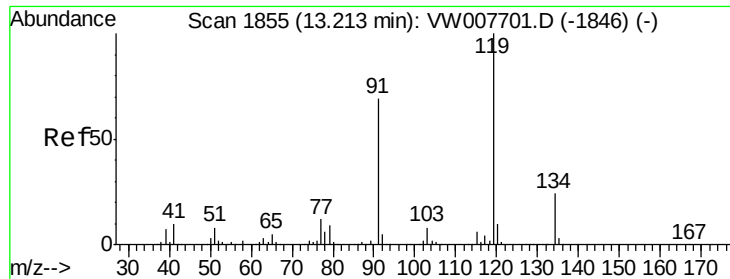
Tgt Ion: 75 Resp: 11188
Ion Ratio Lower Upper
75 100
53 95.3 80.2 120.2
89 50.4 39.2 58.8



#82
4-Chlorotoluene
Concen: 55.811 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion: 91 Resp: 172676
Ion Ratio Lower Upper
91 100
126 33.0 16.5 49.5





#83

tert-Butylbenzene

Concen: 57.127 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

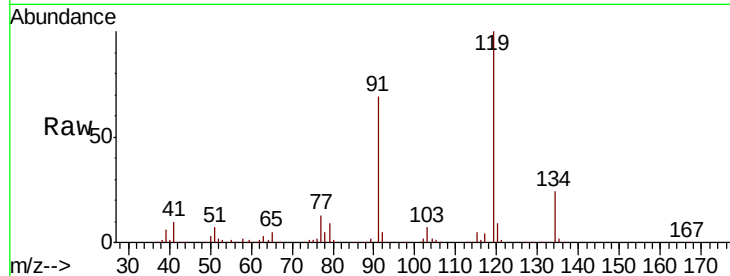
Tgt Ion:119 Resp: 185264

Ion Ratio Lower Upper

119 100

91 67.8 34.2 102.5

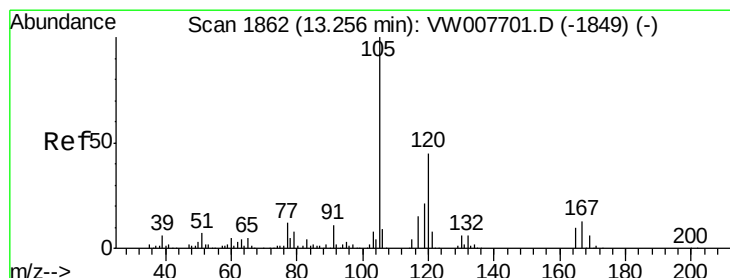
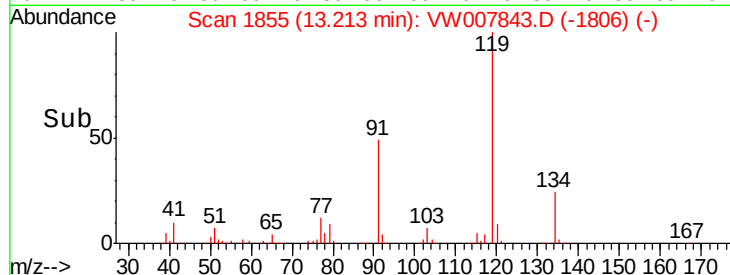
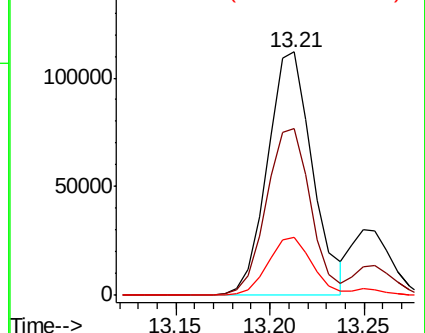
134 23.6 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.514 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007843.D

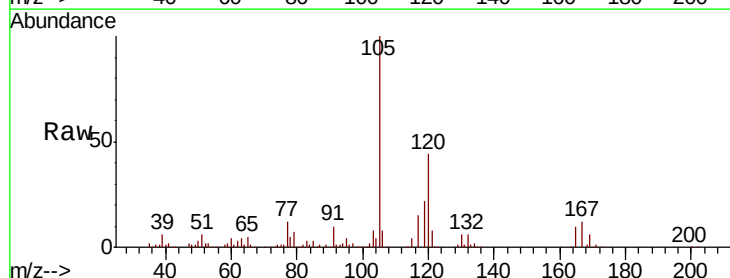
Acq: 22 Dec 2018 15:09

Tgt Ion:105 Resp: 210774

Ion Ratio Lower Upper

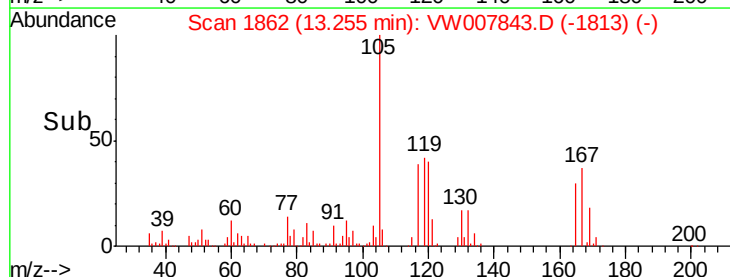
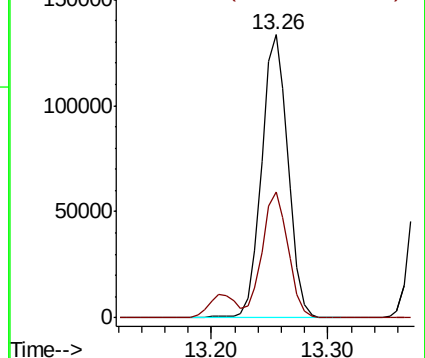
105 100

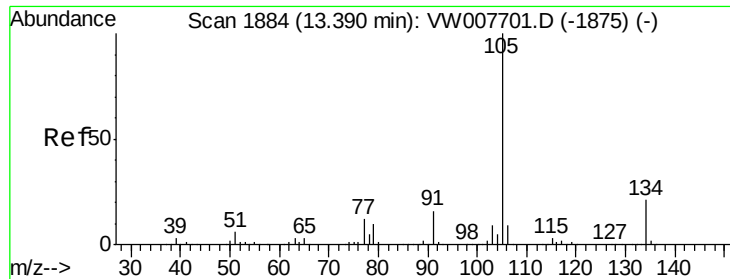
120 43.9 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

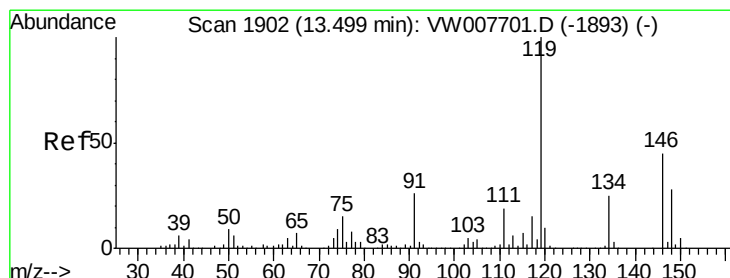
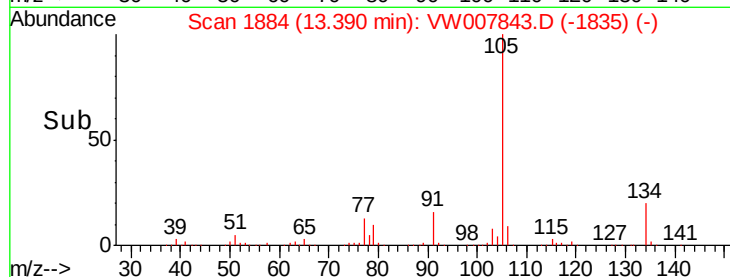
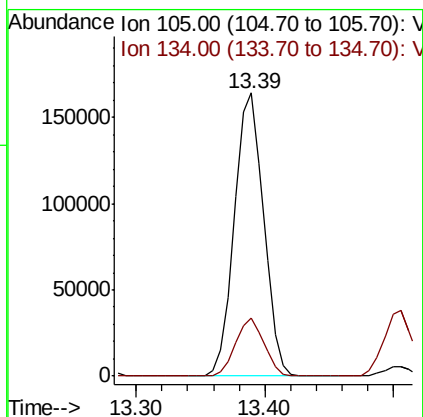
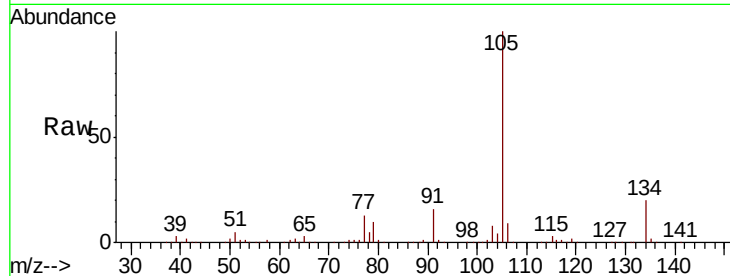




#85
 sec-Butylbenzene
 Concen: 57.995 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

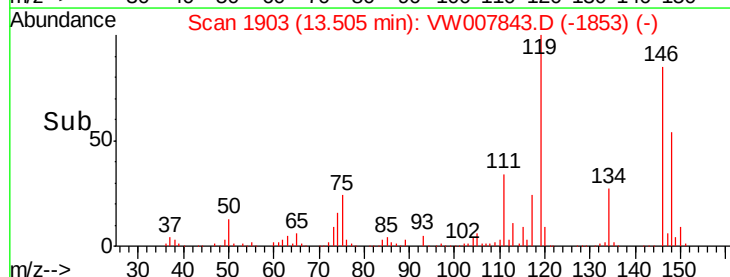
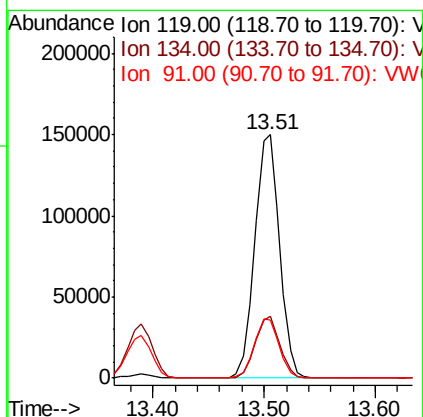
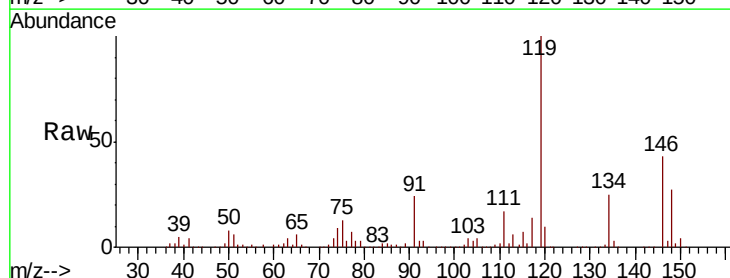
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

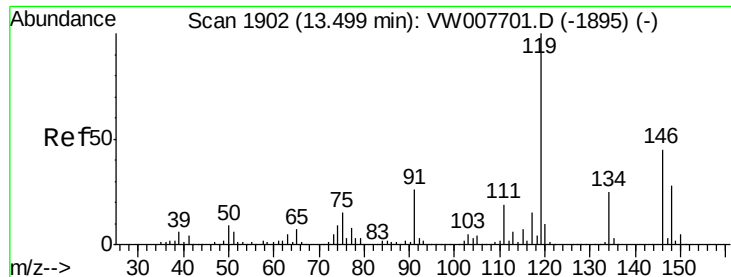
Tgt Ion:105 Resp: 259211
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 57.237 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion:119 Resp: 232620
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.0 39.0
 91 24.5 12.8 38.4

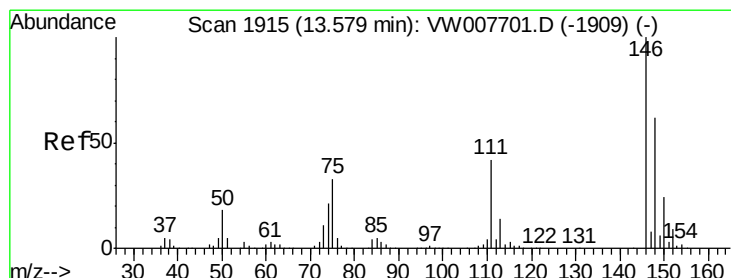
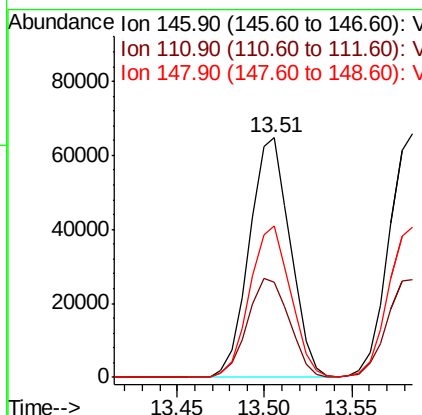
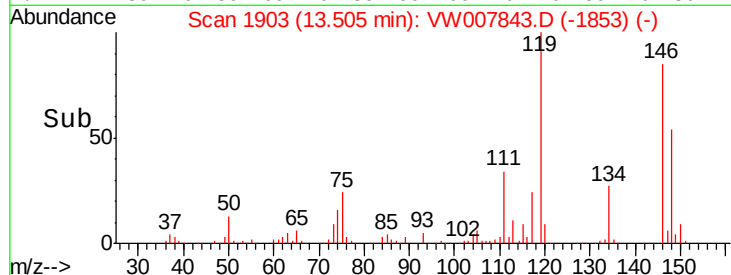
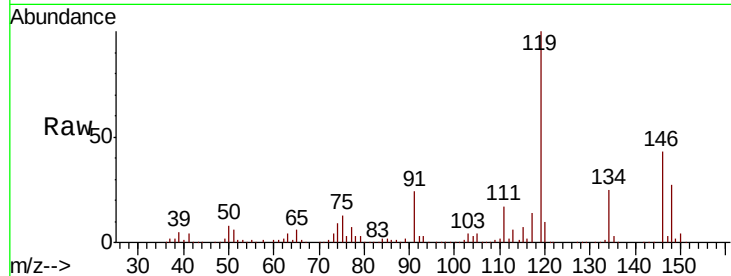




#87
 1,3-Dichlorobenzene
 Concen: 53.895 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

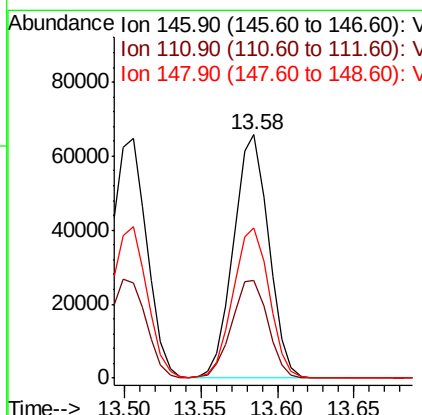
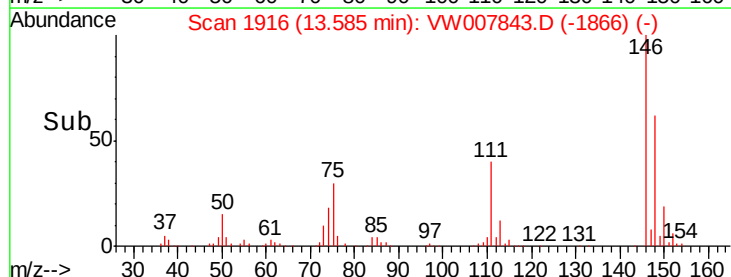
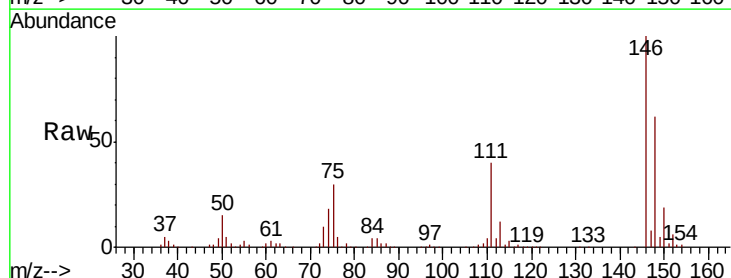
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

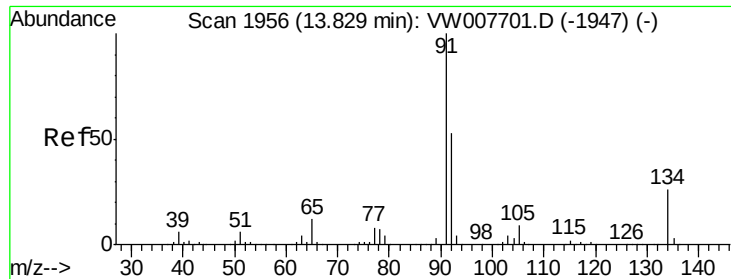
Tgt Ion:146 Resp: 105082
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.1 63.4
 148 63.2 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 53.879 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion:146 Resp: 105083
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.0 63.0
 148 63.5 31.8 95.4





#89

n-Butylbenzene

Concen: 58.262 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007843.D

Acq: 22 Dec 2018 15:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

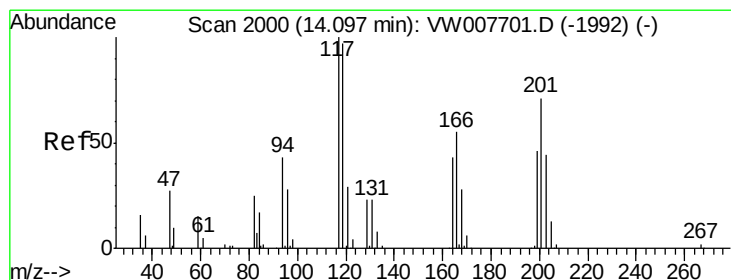
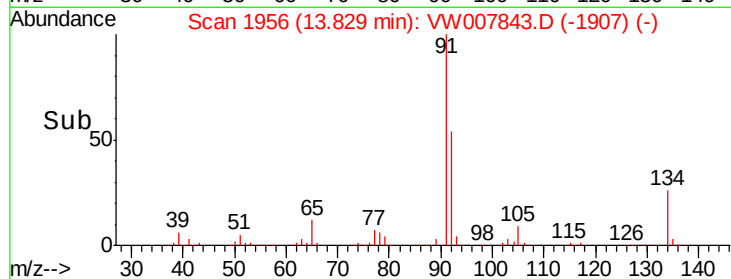
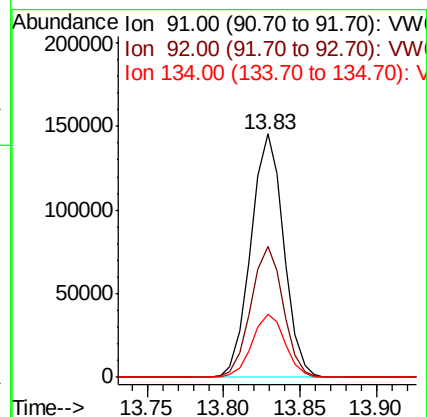
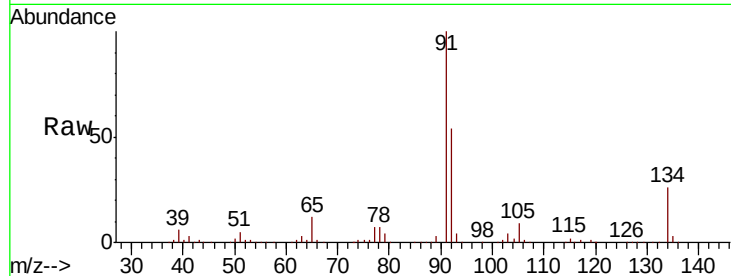
Tgt Ion: 91 Resp: 217104

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.2

134 26.0 13.7 41.0



#90

Hexachloroethane

Concen: 47.984 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007843.D

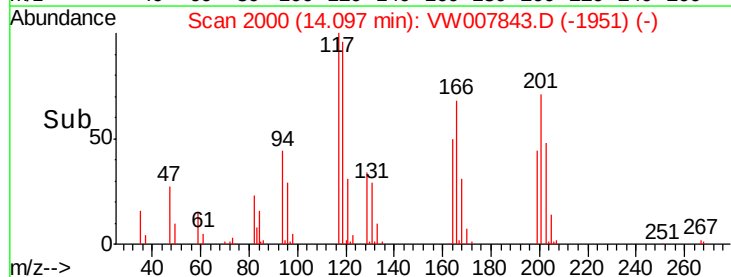
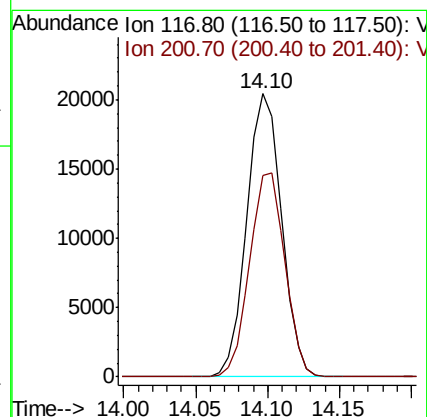
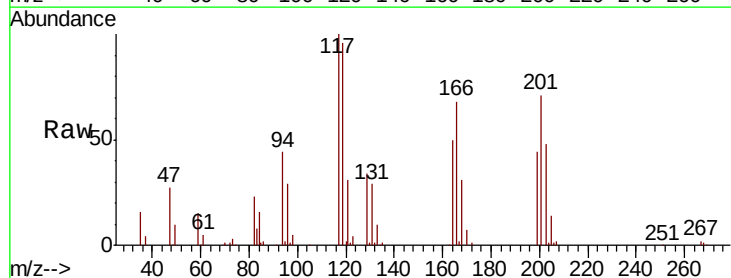
Acq: 22 Dec 2018 15:09

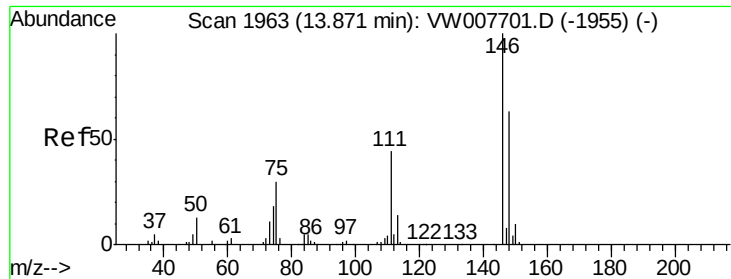
Tgt Ion: 117 Resp: 34237

Ion Ratio Lower Upper

117 100

201 72.8 36.2 108.6

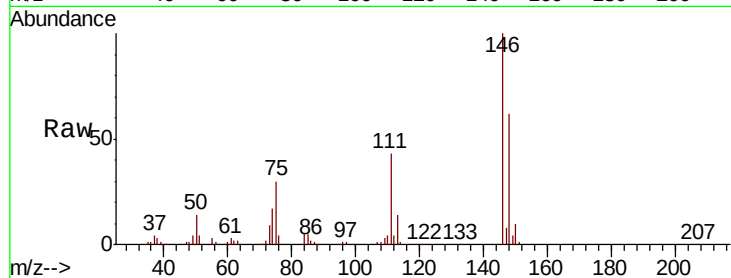




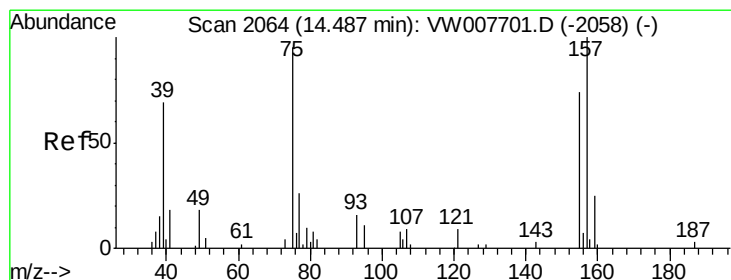
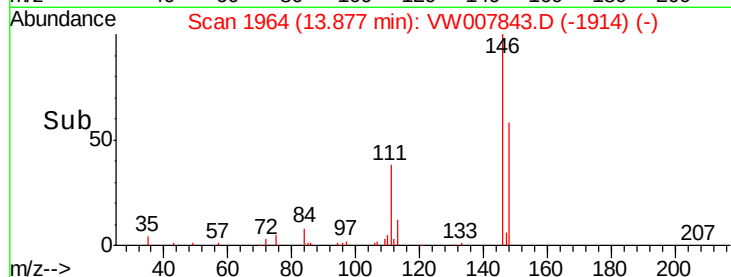
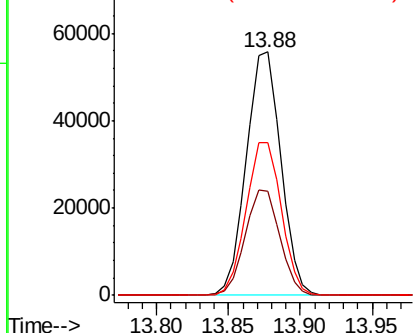
#91
 1,2-Dichlorobenzene
 Concen: 52.968 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:146 Resp: 92466
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.7 65.1
 148 63.8 32.1 96.5

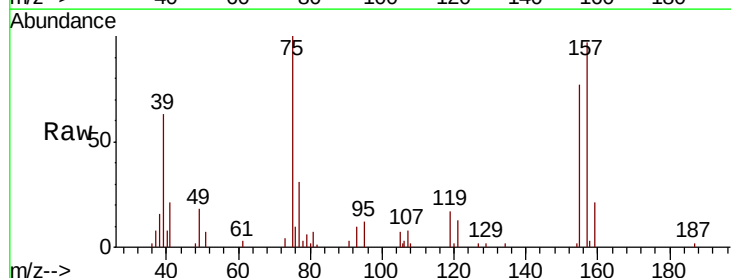


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

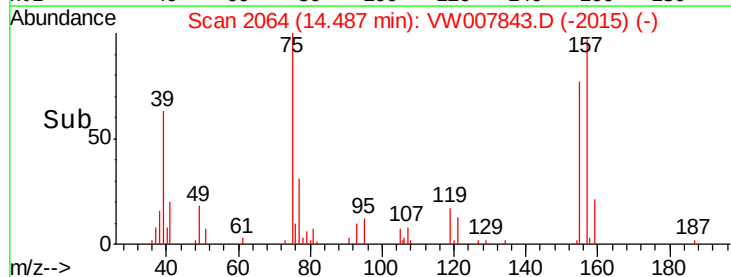
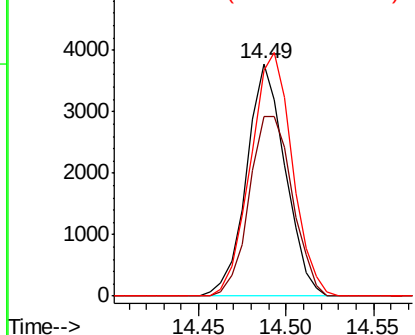


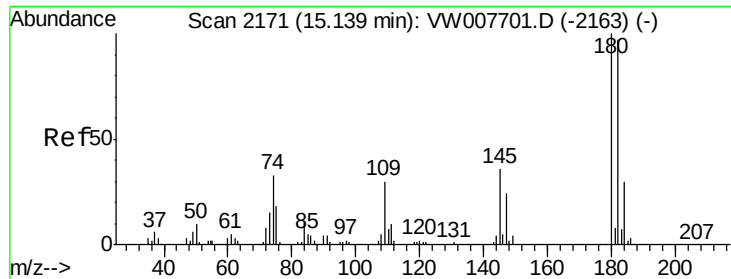
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.998 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion: 75 Resp: 5805
 Ion Ratio Lower Upper
 75 100
 155 86.3 39.4 118.1
 157 113.2 52.0 156.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

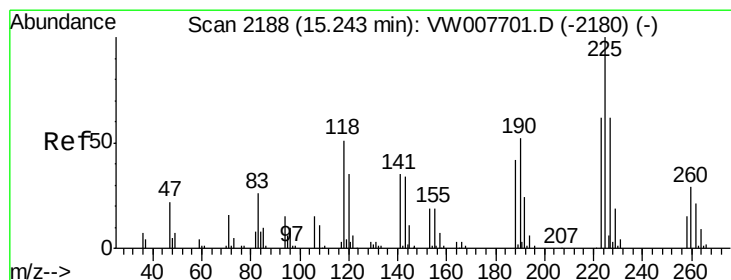
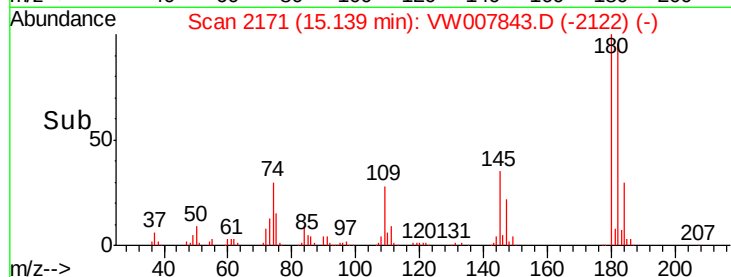
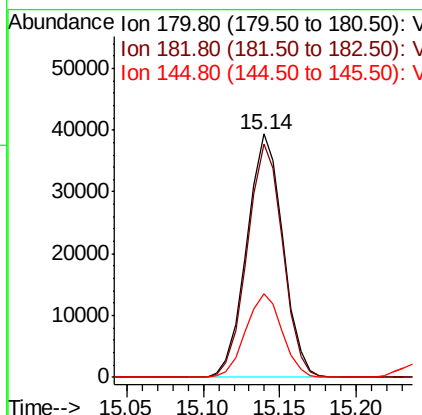
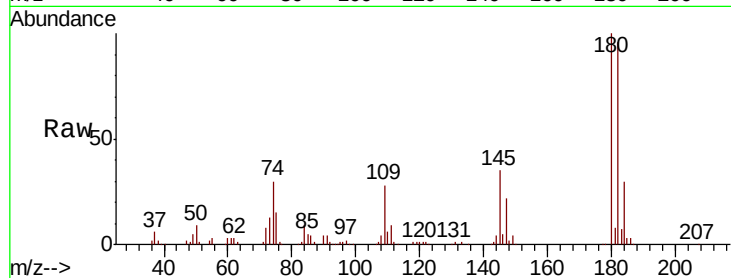




#93
 1,2,4-Trichlorobenzene
 Concen: 53.513 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

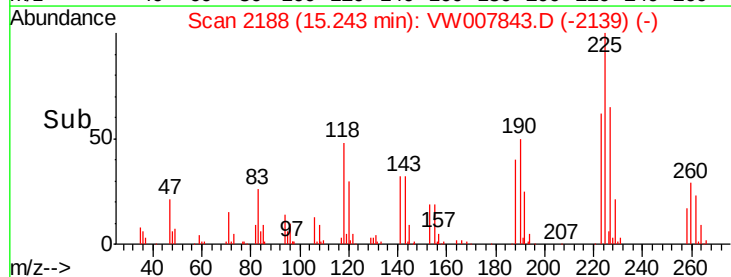
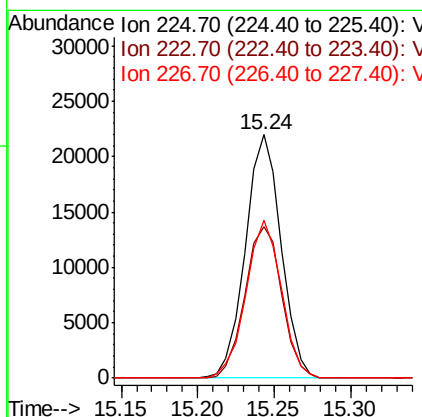
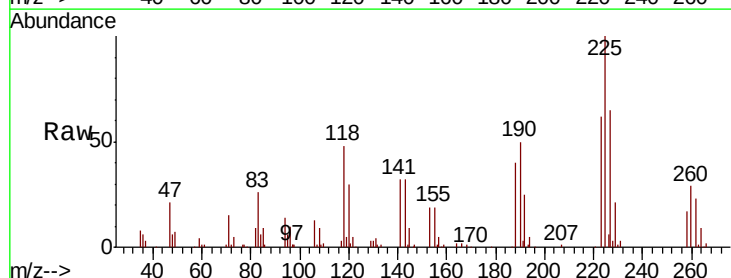
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

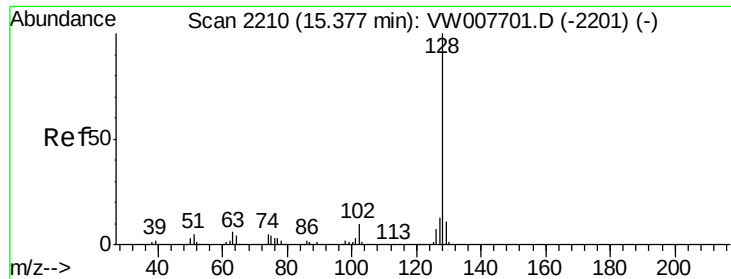
Tgt Ion:180 Resp: 64846
 Ion Ratio Lower Upper
 180 100
 182 94.5 47.5 142.6
 145 34.5 17.5 52.5



#94
 Hexachlorobutadiene
 Concen: 55.119 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007843.D
 Acq: 22 Dec 2018 15:09

Tgt Ion:225 Resp: 35695
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.6 94.8
 227 64.2 32.1 96.3

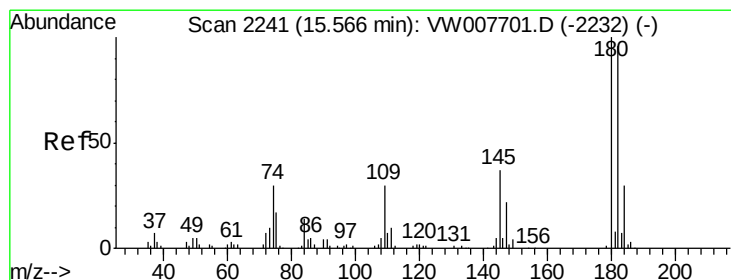
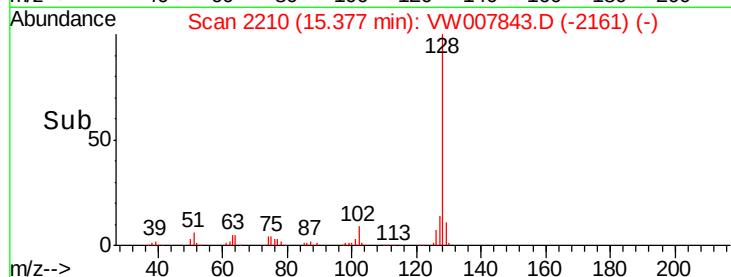
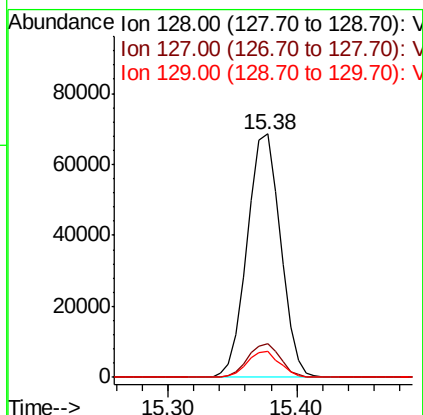
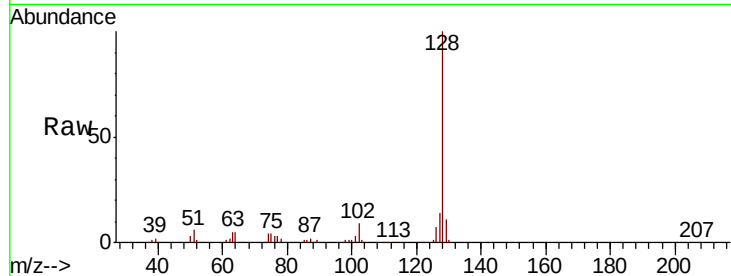




#95
Naphthalene
Concen: 54.773 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 122712
Ion Ratio Lower Upper
128 100
127 13.8 10.7 16.1
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.976 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007843.D
Acq: 22 Dec 2018 15:09

Tgt Ion:180 Resp: 54951
Ion Ratio Lower Upper
180 100
182 93.0 47.4 142.2
145 36.5 18.4 55.0

