

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122118\
 Data File : VW007719.D
 Acq On : 19 Dec 2018 23:55
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 20 06:53:18 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	79423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	120856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60437	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47799	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	43671	54.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.00%	
50) Toluene-d8	10.32	98	167276	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
62) 4-Bromofluorobenzene	12.62	95	63735	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	33050	46.809	ug/l	96
3) Chloromethane	2.21	50	25768	59.433	ug/l	99
4) Vinyl Chloride	2.37	62	28405	51.467	ug/l	97
5) Bromomethane	2.78	94	22939	59.674	ug/l	98
6) Chloroethane	2.93	64	17941	60.762	ug/l	98
7) Trichlorofluoromethane	3.26	101	27286	47.488	ug/l	97
8) Diethyl Ether	3.68	74	21094	59.936	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	41872	49.481	ug/l	99
10) Methyl Iodide	4.26	142	73474	54.597	ug/l	98
11) Tert butyl alcohol	5.18	59	15361	261.585	ug/l	97
12) 1,1-Dichloroethene	4.04	96	40505	51.691	ug/l	95
13) Acrolein	3.89	56	12366	263.373	ug/l	98
14) Allyl chloride	4.67	41	58846	57.266	ug/l	96
15) Acrylonitrile	5.36	53	42222	281.243	ug/l	99
16) Acetone	4.12	43	37767	231.683	ug/l	92
17) Carbon Disulfide	4.37	76	123362	50.873	ug/l	98
18) Methyl Acetate	4.67	43	22201	57.267	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	66594	59.197	ug/l	96
20) Methylene Chloride	4.91	84	46903	58.622	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	46033	53.414	ug/l	92
22) Diisopropyl ether	6.31	45	117414	61.022	ug/l	98
23) Vinyl Acetate	6.25	43	331157	289.681	ug/l	99
24) 1,1-Dichloroethane	6.21	63	77752	54.929	ug/l	99
25) 2-Butanone	7.17	43	50261	263.237	ug/l	99
26) 2,2-Dichloropropane	7.17	77	53596	51.743	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51539	56.132	ug/l	99
28) Bromochloromethane	7.51	49	27400	56.773	ug/l	96
29) Tetrahydrofuran	7.53	42	32257	283.231	ug/l	99
30) Chloroform	7.67	83	87698	54.746	ug/l	97
31) Cyclohexane	7.96	56	65238	50.343	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	76340	52.326	ug/l	100
36) 1,1-Dichloropropene	8.08	75	65109	50.884	ug/l	100
37) Ethyl Acetate	7.25	43	23977	54.296	ug/l	97
38) Carbon Tetrachloride	8.07	117	70868	47.028	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	79336	49.897	ug/l	99
40) Benzene	8.32	78	179845	52.671	ug/l	98
41) Methacrylonitrile	7.49	41	14327	57.144	ug/l	93
42) 1,2-Dichloroethane	8.40	62	59705	52.177	ug/l	99
43) Isopropyl Acetate	8.43	43	48594	54.926	ug/l	99
44) Trichloroethene	9.09	130	52543	50.884	ug/l	99
45) 1,2-Dichloropropane	9.37	63	42290	55.818	ug/l	98
46) Dibromomethane	9.46	93	24037	51.539	ug/l	99
47) Bromodichloromethane	9.65	83	64634	52.715	ug/l	98
48) Methyl methacrylate	9.43	41	23881	54.077	ug/l	99
49) 1,4-Dioxane	9.45	88	8254	1116.260	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	111602	266.917	ug/l	99
52) Toluene	10.39	92	121010	52.822	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	64463	52.858	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	72931	54.140	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	34003	52.886	ug/l	97
56) Ethyl methacrylate	10.65	69	42578	56.049	ug/l	97
57) 1,3-Dichloropropane	10.93	76	57531	53.885	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	97022	279.734	ug/l	99
59) 2-Hexanone	10.97	43	77146	262.359	ug/l	100
60) Dibromochloromethane	11.13	129	44905	52.748	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34075	52.335	ug/l	100
64) Tetrachloroethene	10.86	164	45378	53.023	ug/l	96
65) Chlorobenzene	11.66	112	137881	52.710	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48832	52.244	ug/l	99
67) Ethyl Benzene	11.73	91	242321	53.984	ug/l	99
68) m/p-Xylenes	11.84	106	182660	104.901	ug/l	99
69) o-Xylene	12.17	106	88658	54.318	ug/l	98
70) Styrene	12.18	104	146439	54.580	ug/l	99
71) Bromoform	12.35	173	24818	51.149	ug/l #	100
73) Isopropylbenzene	12.47	105	247563	54.191	ug/l	100
74) N-amyl acetate	12.27	43	44387	56.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	36567	53.386	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	51187	109.580	ug/l #	100
77) Bromobenzene	12.75	156	55747	53.247	ug/l	98
78) n-propylbenzene	12.81	91	285643	53.714	ug/l	100
79) 2-Chlorotoluene	12.90	91	168273	54.318	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	217743	55.257	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11252	50.562	ug/l	97
82) 4-Chlorotoluene	12.99	91	178006	53.965	ug/l	100
83) tert-Butylbenzene	13.21	119	185695	53.708	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	227790	57.288	ug/l	99
85) sec-Butylbenzene	13.39	105	253679	53.237	ug/l	99
86) p-Isopropyltoluene	13.50	119	228849	52.816	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	109986	52.911	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	109546	52.684	ug/l	99
89) n-Butylbenzene	13.83	91	207934	52.340	ug/l	100
90) Hexachloroethane	14.10	117	39359	51.741	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99207	53.304	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7251	51.548	ug/l	98

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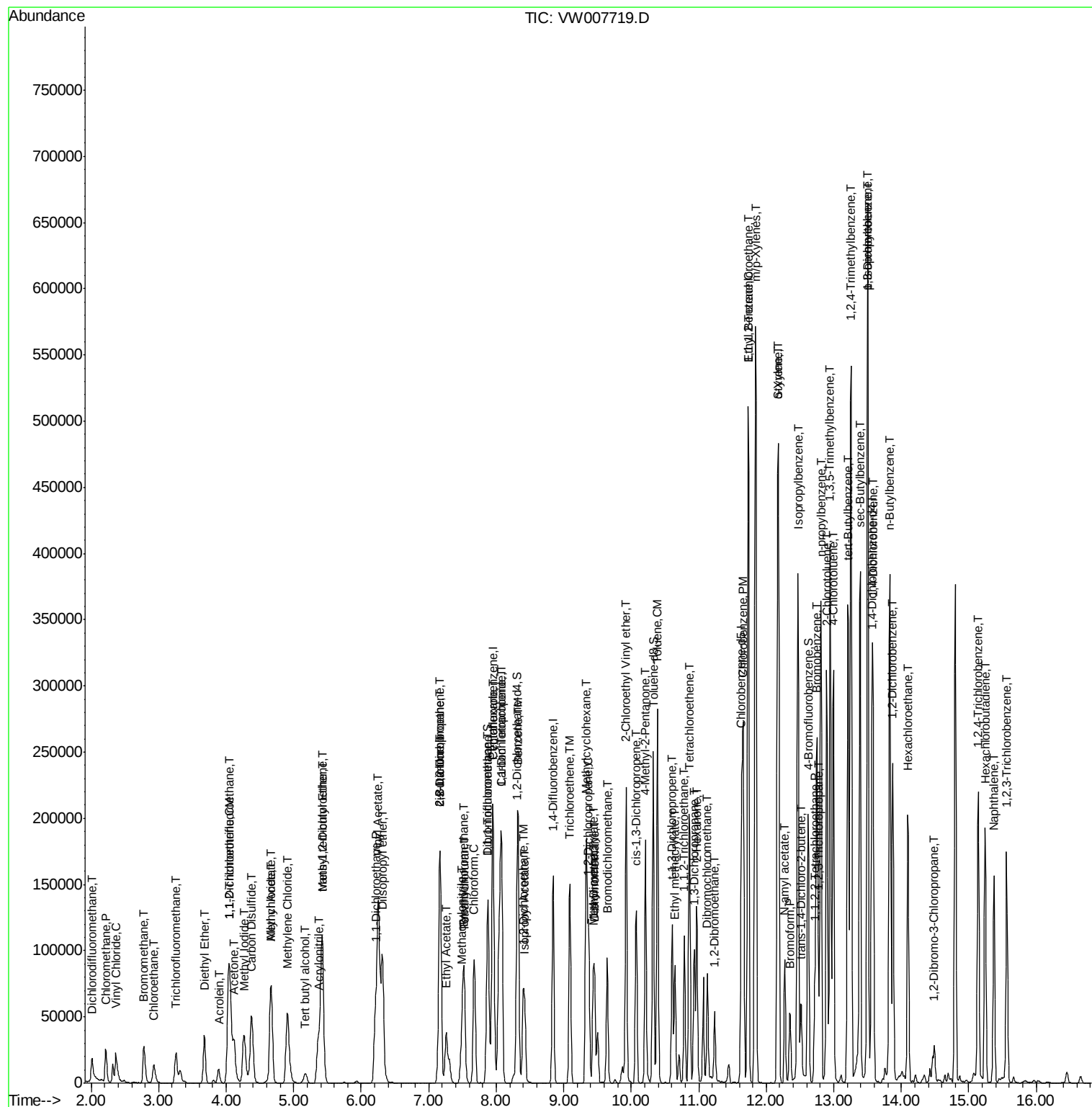
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	68470	52.999	ug/l	98
94) Hexachlorobutadiene	15.24	225	35260	51.070	ug/l	98
95) Naphthalene	15.38	128	140116	58.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59027	53.375	ug/l	100

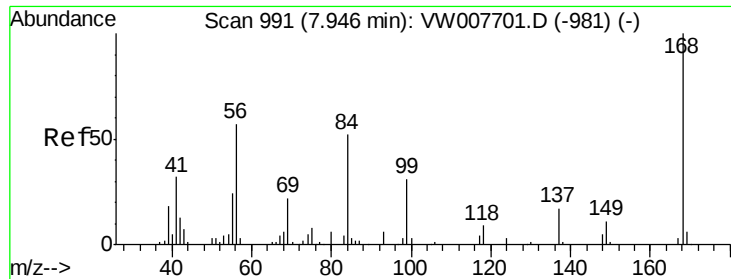
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

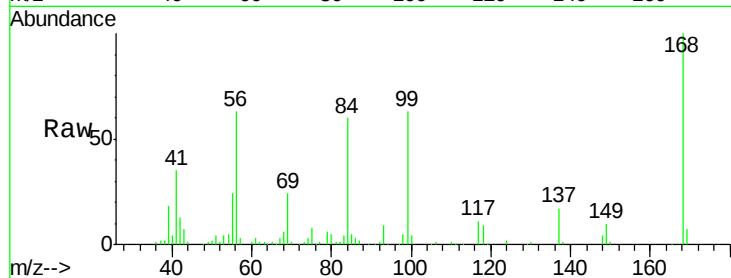
VSTDCCC050EC

Tgt Ion:168 Resp: 79423

Ion Ratio Lower Upper

168 100

99 63.5 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

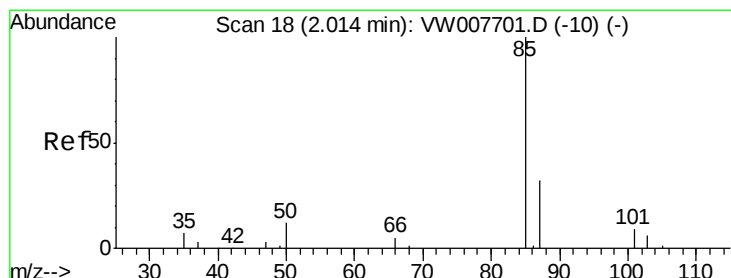
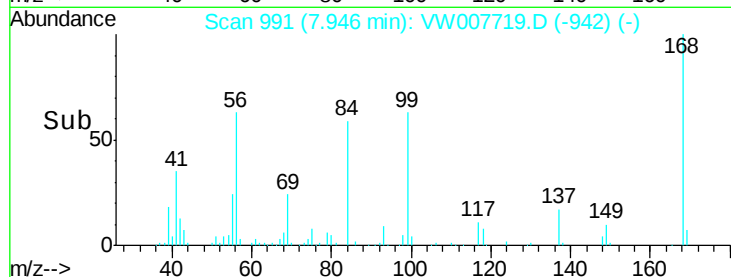
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 46.809 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007719.D

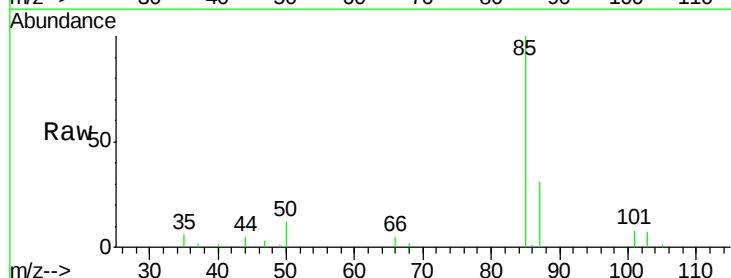
Acq: 19 Dec 2018 23:55

Tgt Ion: 85 Resp: 33050

Ion Ratio Lower Upper

85 100

87 30.5 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

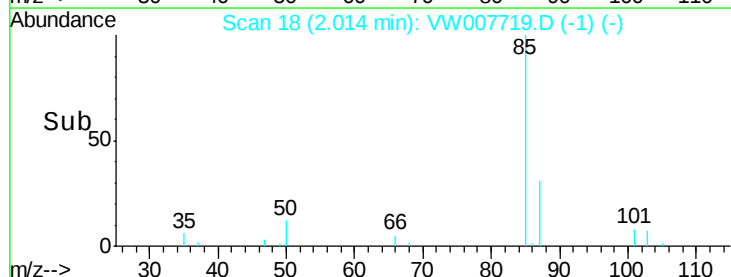
4000

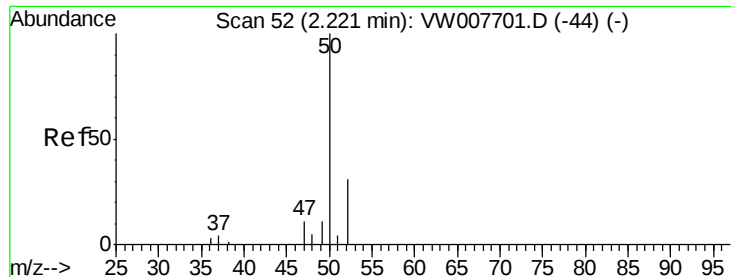
2000

0

1.90 2.00 2.10 2.20 2.30

Time-->





#3

Chloromethane

Concen: 59.433 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

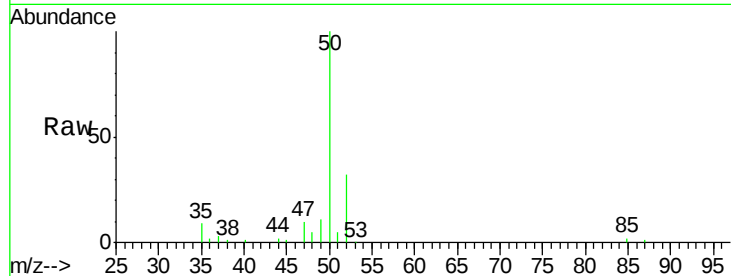
VSTDCCC050EC

Tgt Ion: 50 Resp: 25768

Ion Ratio Lower Upper

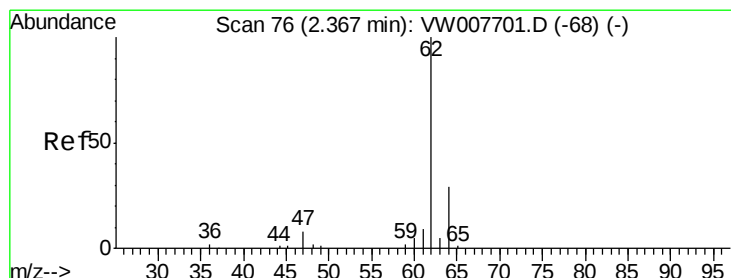
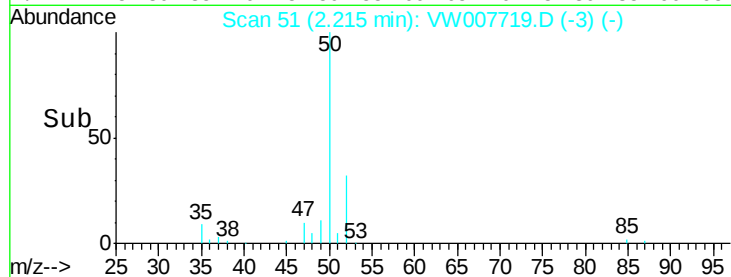
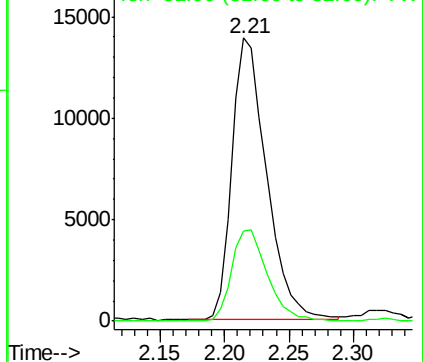
50 100

52 32.2 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.467 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007719.D

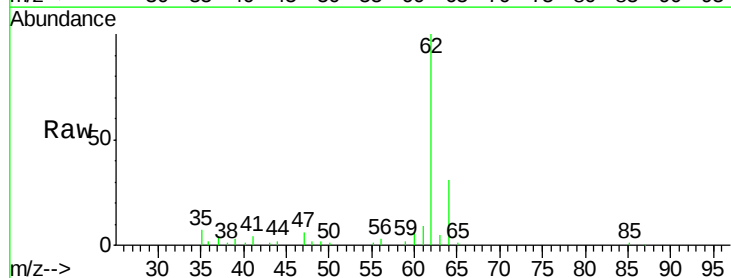
Acq: 19 Dec 2018 23:55

Tgt Ion: 62 Resp: 28405

Ion Ratio Lower Upper

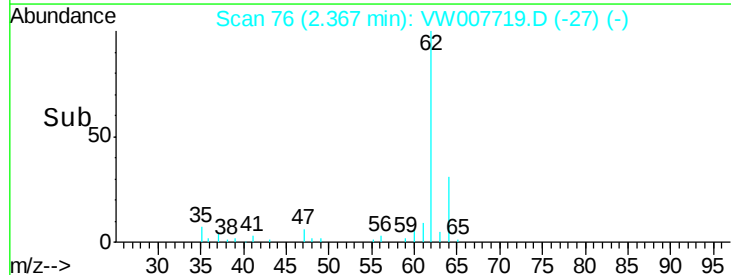
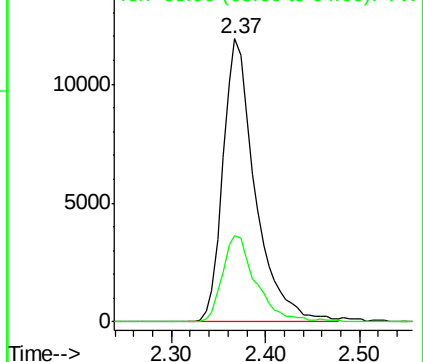
62 100

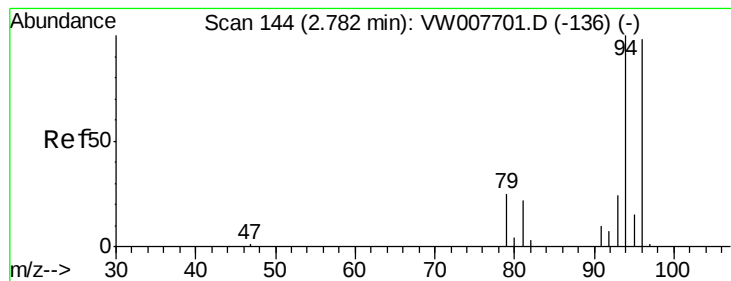
64 30.6 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 59.674 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

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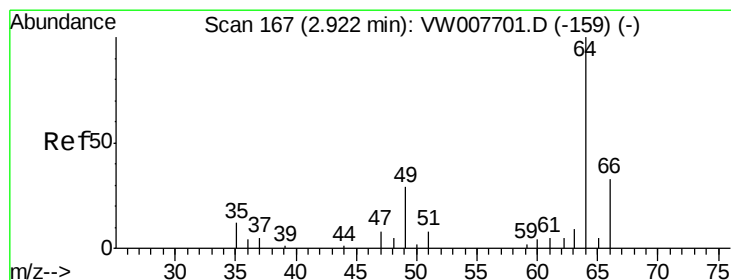
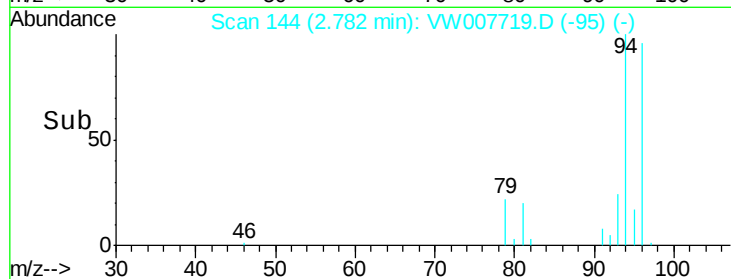
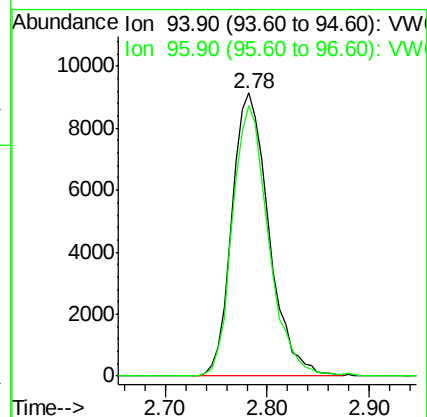
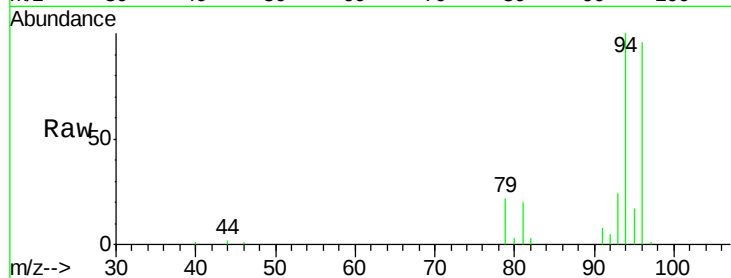
VSTDCCC050EC

Tgt Ion: 94 Resp: 22939

Ion Ratio Lower Upper

94 100

96 95.5 78.2 117.2



#6

Chloroethane

Concen: 60.762 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007719.D

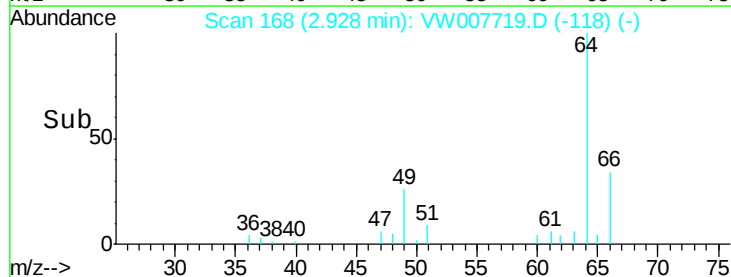
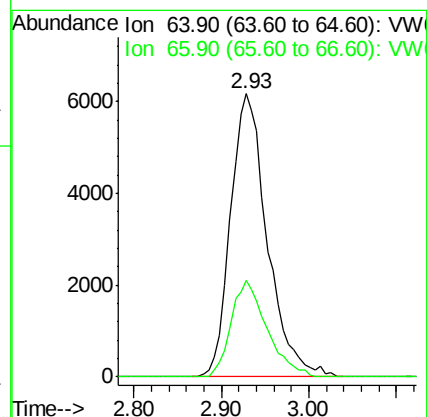
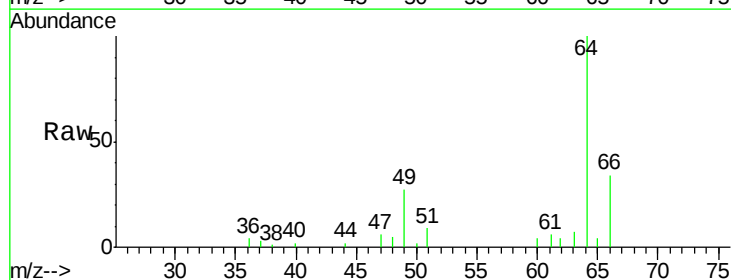
Acq: 19 Dec 2018 23:55

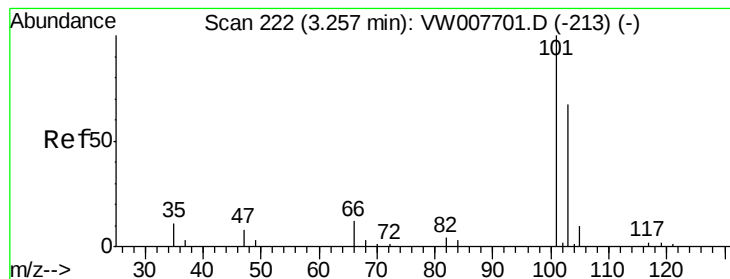
Tgt Ion: 64 Resp: 17941

Ion Ratio Lower Upper

64 100

66 33.9 26.2 39.4



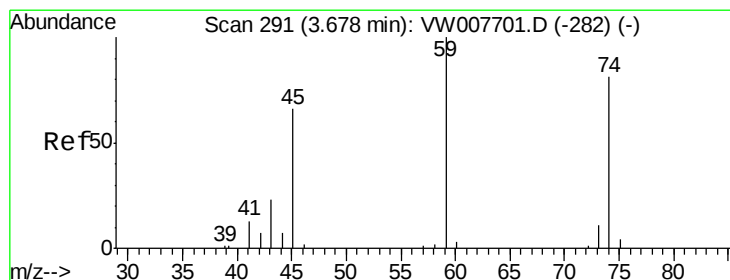
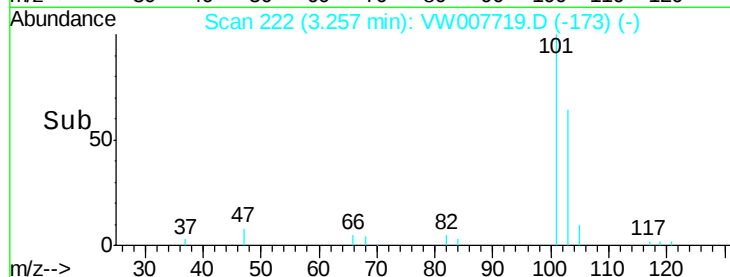
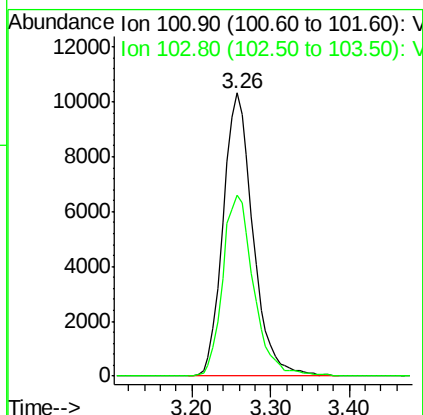
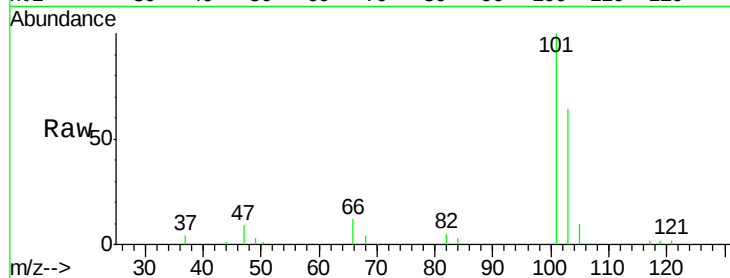


#7

Trichlorofluoromethane
 Concen: 47.488 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Instrument :
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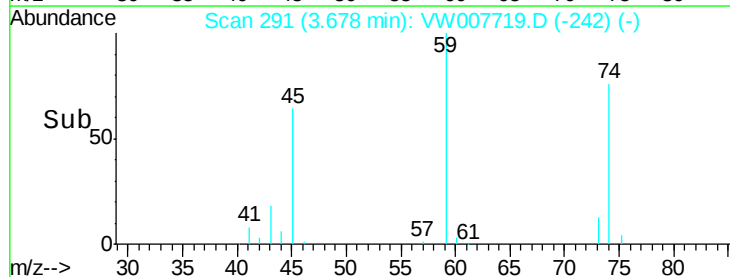
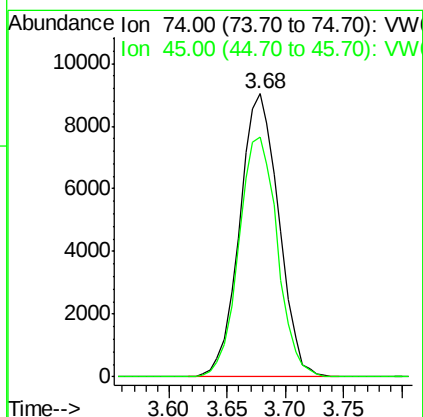
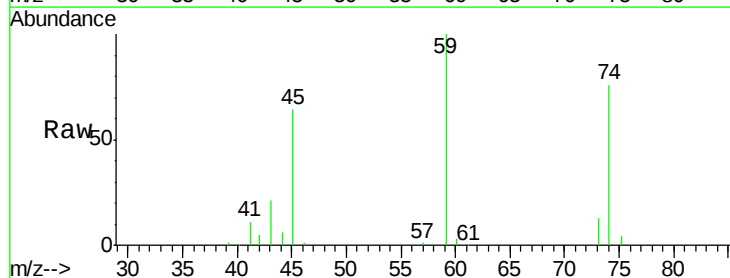
Tgt Ion: 101 Resp: 27286
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.4 80.2

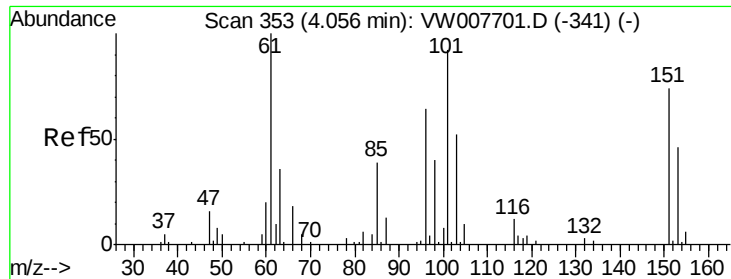


#8

Diethyl Ether
 Concen: 59.936 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion: 74 Resp: 21094
 Ion Ratio Lower Upper
 74 100
 45 83.5 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.481 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

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VSTDCCC050EC

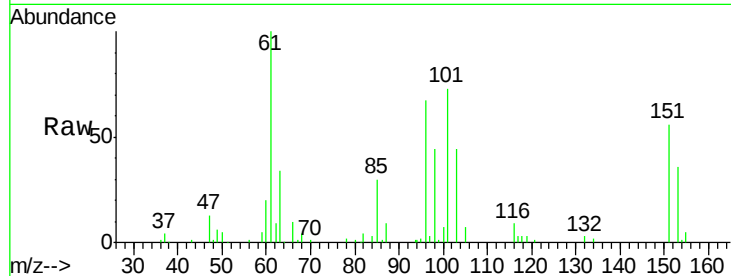
Tgt Ion:101 Resp: 41872

Ion Ratio Lower Upper

101 100

85 42.1 34.3 51.5

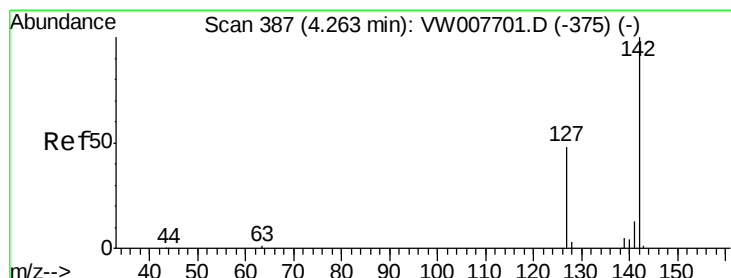
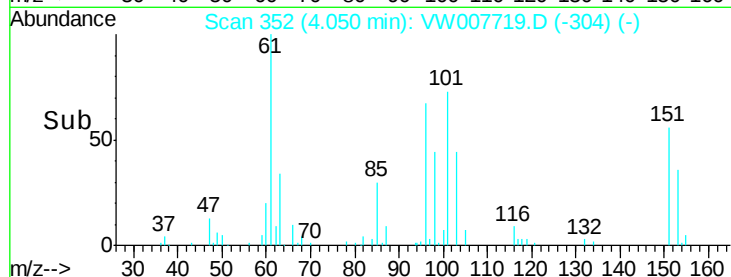
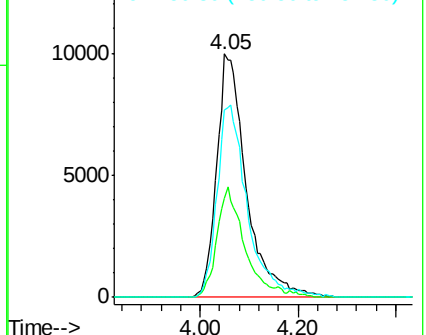
151 81.1 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.597 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

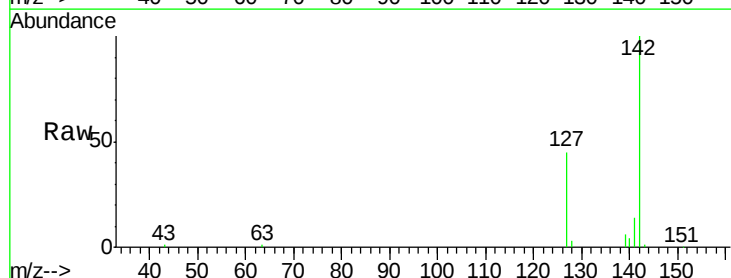
Tgt Ion:142 Resp: 73474

Ion Ratio Lower Upper

142 100

127 45.0 37.7 56.5

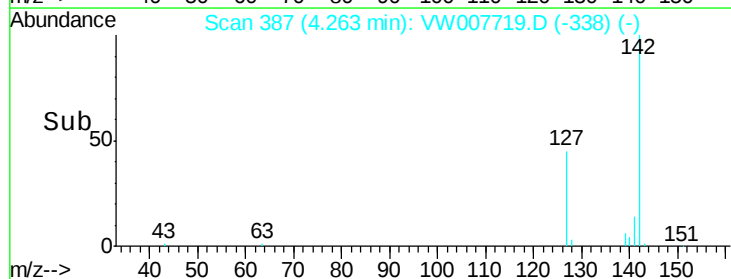
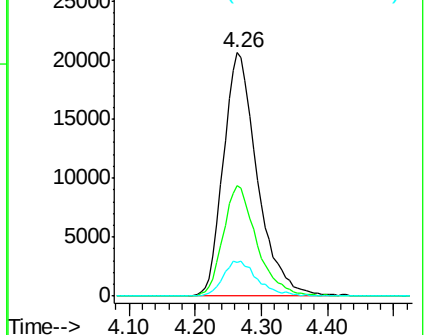
141 14.5 11.5 17.3

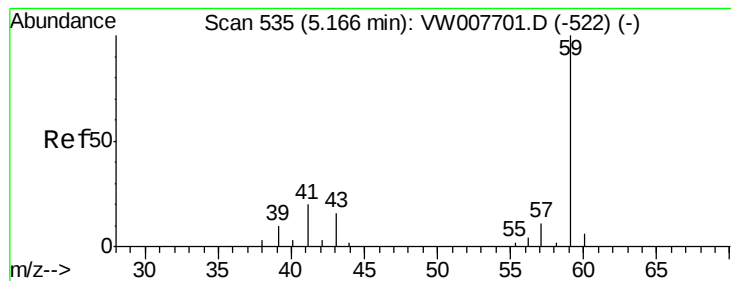


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



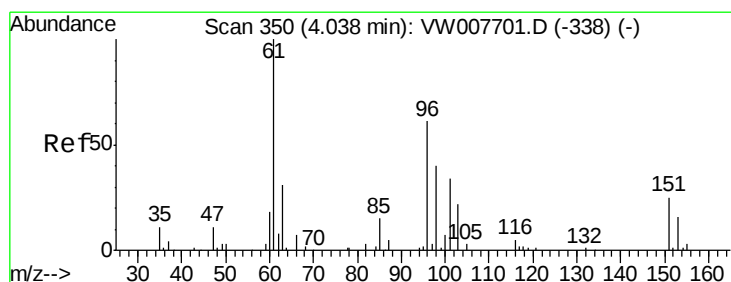
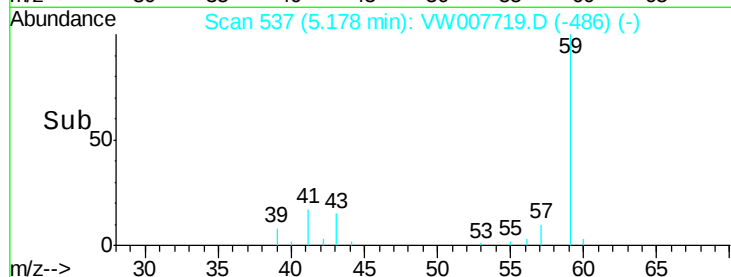
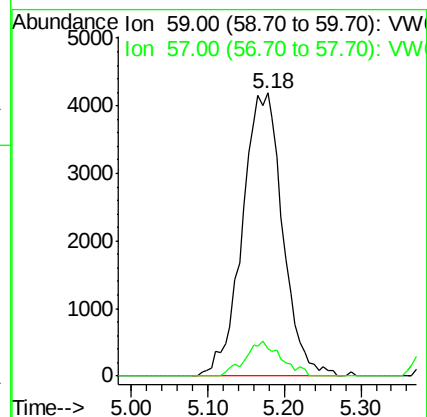
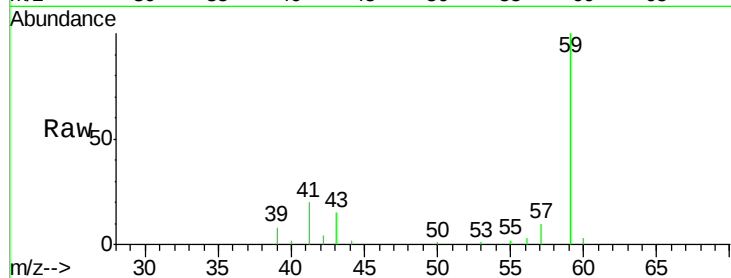


#11

Tert butyl alcohol
Concen: 261.585 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

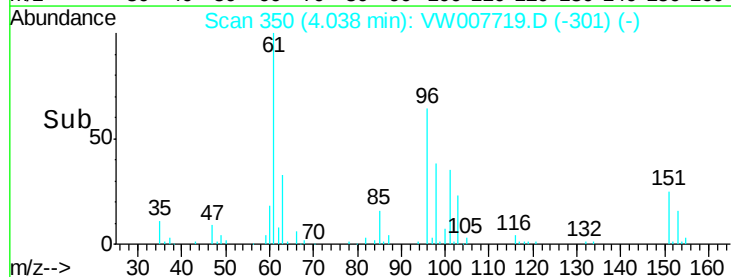
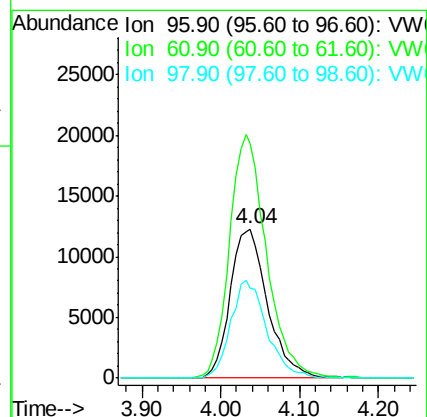
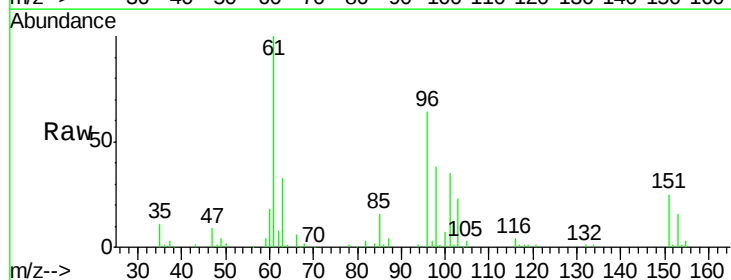
Tgt Ion: 59 Resp: 15361
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8

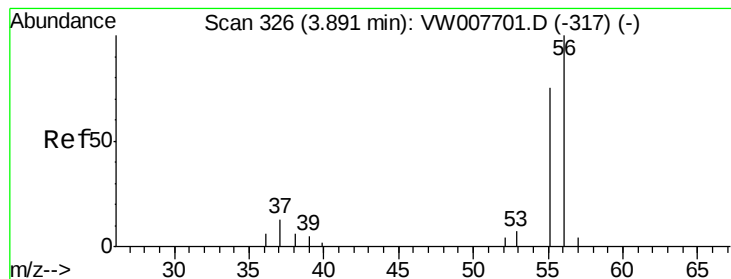


#12

1,1-Dichloroethene
Concen: 51.691 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 96 Resp: 40505
Ion Ratio Lower Upper
96 100
61 156.9 130.6 195.8
98 59.9 52.3 78.5





#13

Acrolein

Concen: 263.373 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

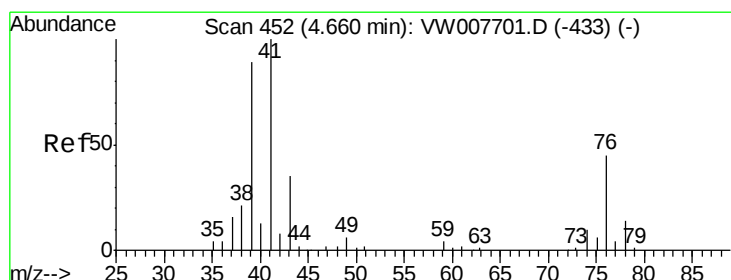
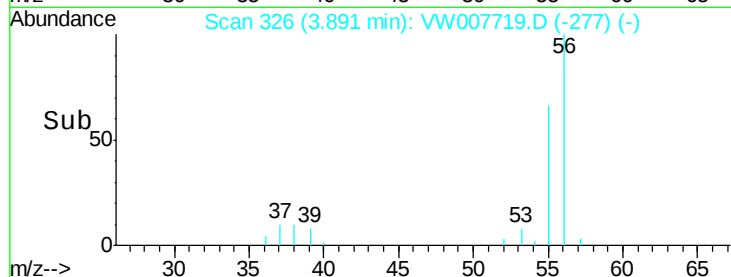
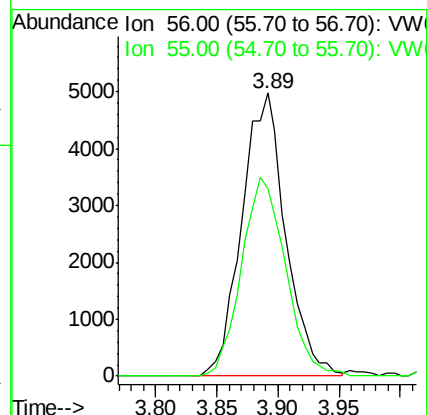
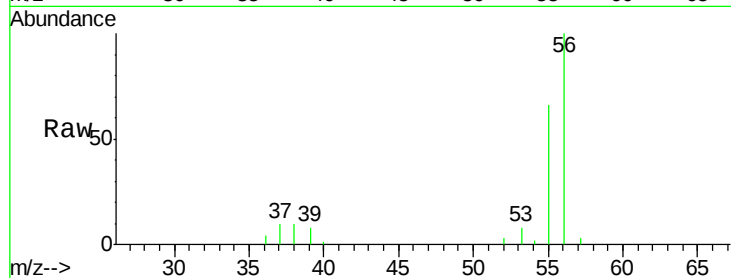
VSTDCCC050EC

Tgt Ion: 56 Resp: 12366

Ion Ratio Lower Upper

56 100

55 70.7 57.7 86.5



#14

Allyl chloride

Concen: 57.266 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

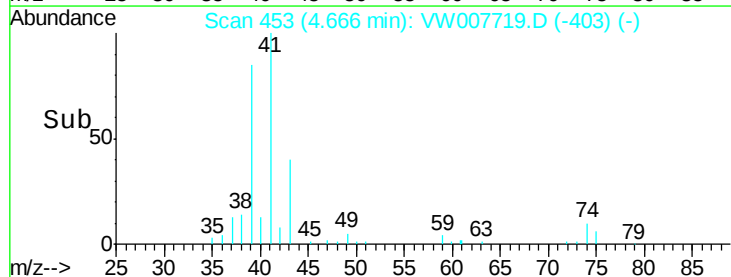
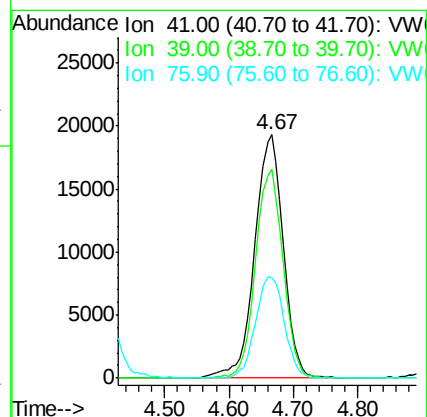
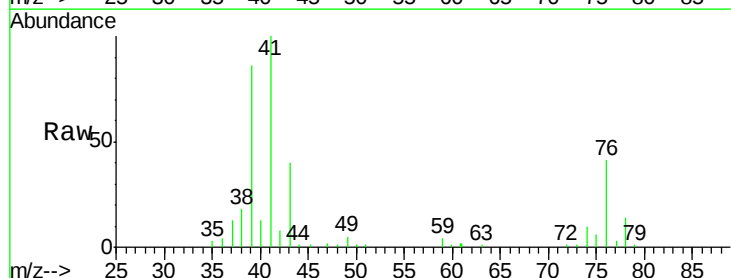
Tgt Ion: 41 Resp: 58846

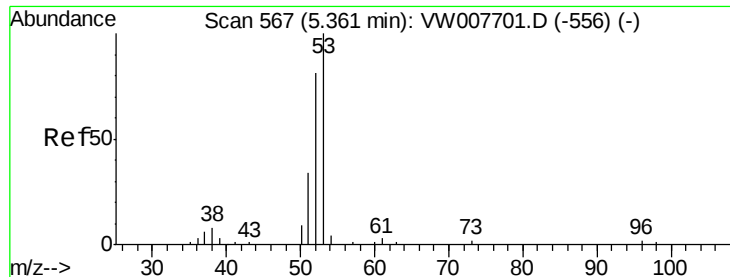
Ion Ratio Lower Upper

41 100

39 82.8 69.5 104.3

76 41.4 34.8 52.2





#15

Acrylonitrile

Concen: 281.243 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

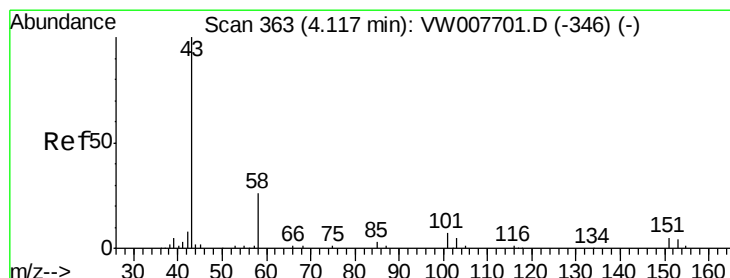
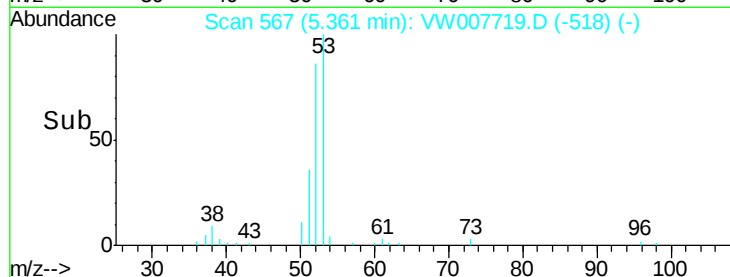
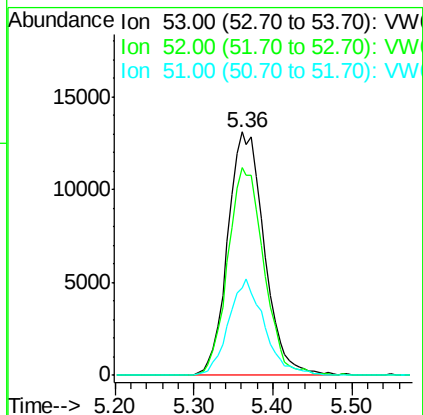
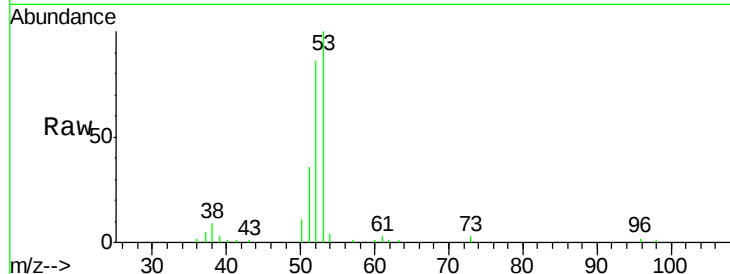
Tgt Ion: 53 Resp: 42222

Ion Ratio Lower Upper

53 100

52 84.2 67.0 100.4

51 38.8 30.2 45.2



#16

Acetone

Concen: 231.683 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007719.D

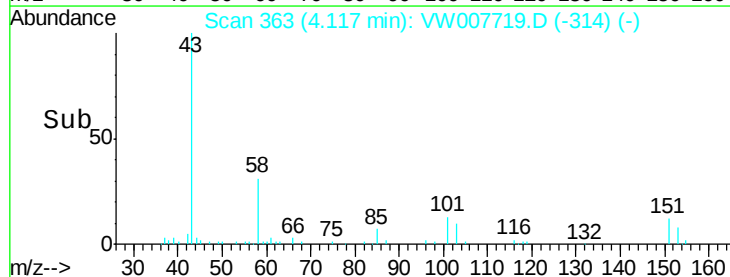
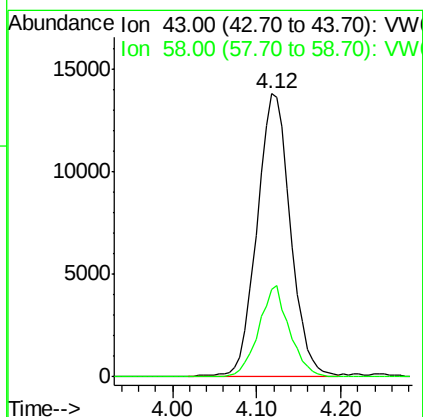
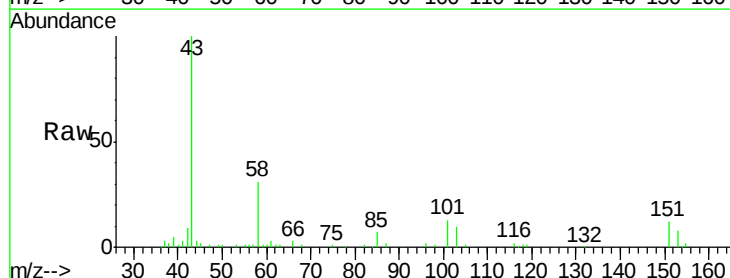
Acq: 19 Dec 2018 23:55

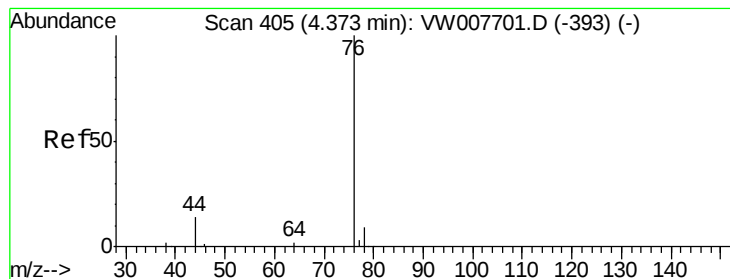
Tgt Ion: 43 Resp: 37767

Ion Ratio Lower Upper

43 100

58 30.7 21.2 31.8





#17

Carbon Disulfide

Concen: 50.873 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

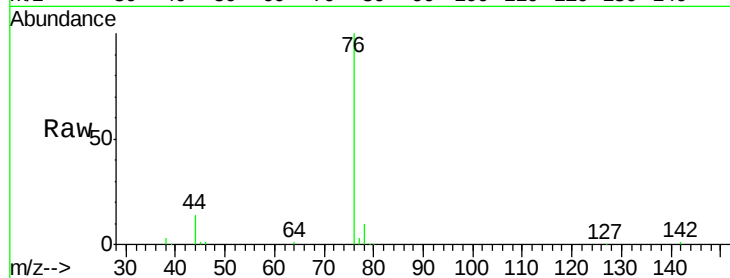
VSTDCCC050EC

Tgt Ion: 76 Resp: 123362

Ion Ratio Lower Upper

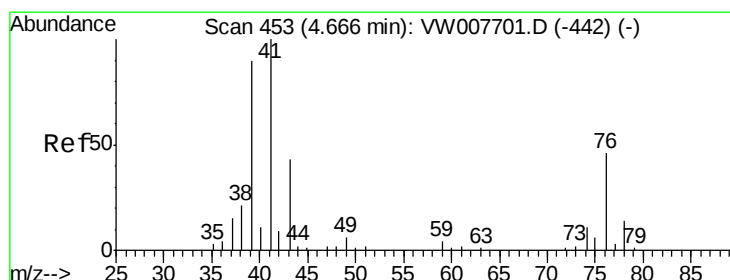
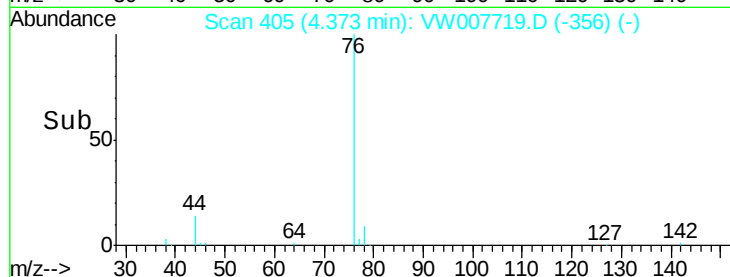
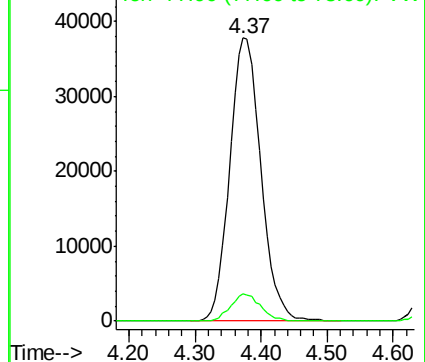
76 100

78 9.8 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 57.267 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007719.D

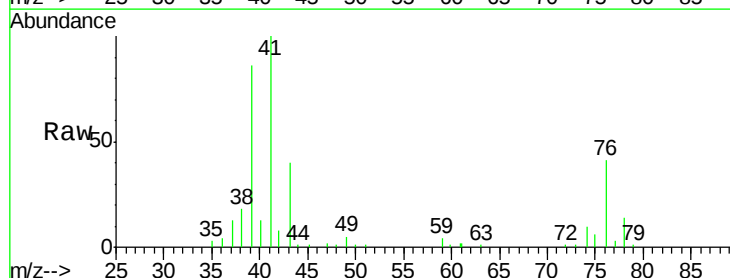
Acq: 19 Dec 2018 23:55

Tgt Ion: 43 Resp: 22201

Ion Ratio Lower Upper

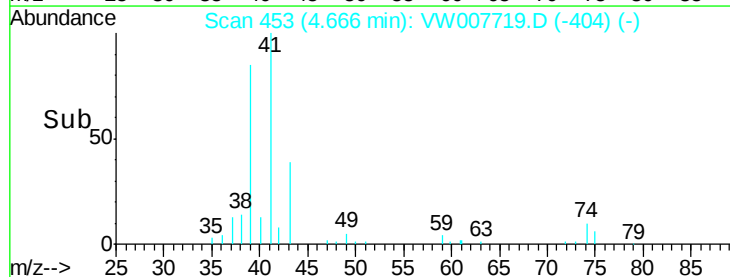
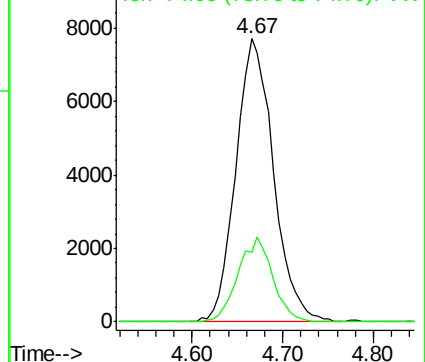
43 100

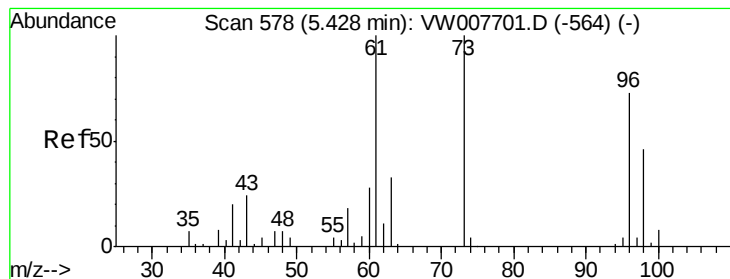
74 27.4 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 59.197 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

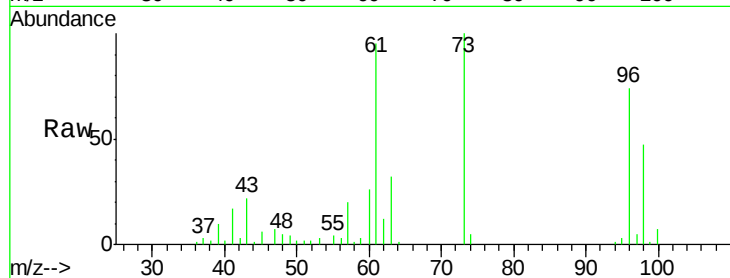
VSTDCCC050EC

Tgt Ion: 73 Resp: 66594

Ion Ratio Lower Upper

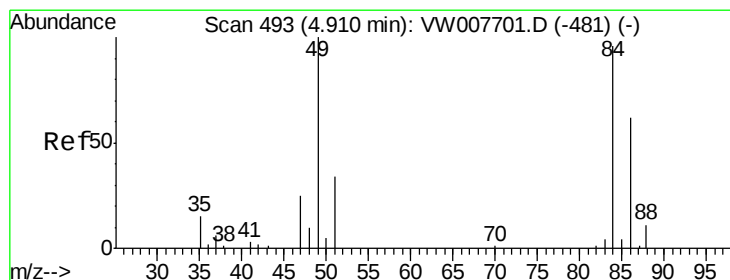
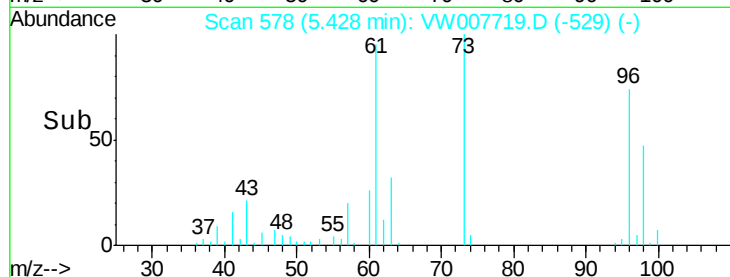
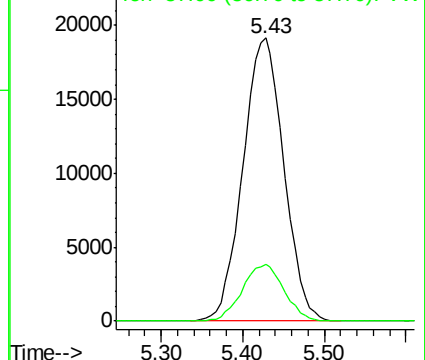
73 100

57 20.2 14.7 22.1



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW



#20

Methylene Chloride

Concen: 58.622 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion: 84 Resp: 46903

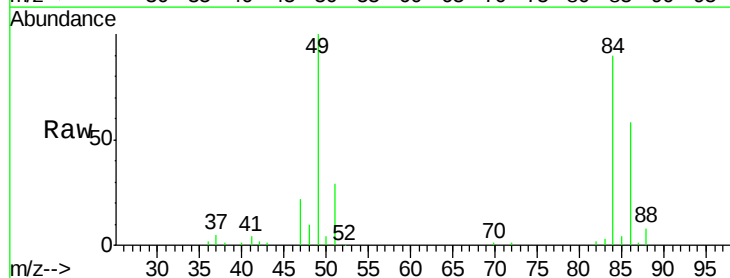
Ion Ratio Lower Upper

84 100

49 111.4 83.7 125.5

51 32.2 28.2 42.2

86 64.1 52.2 78.2

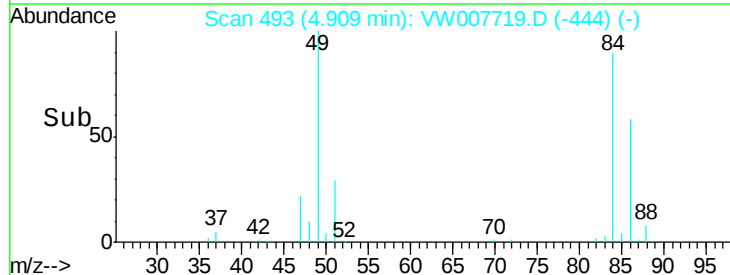
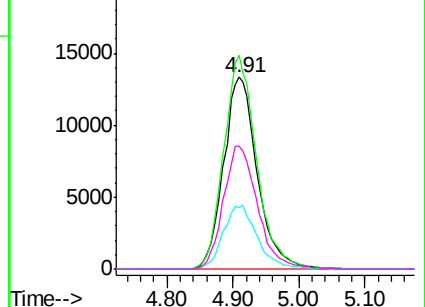


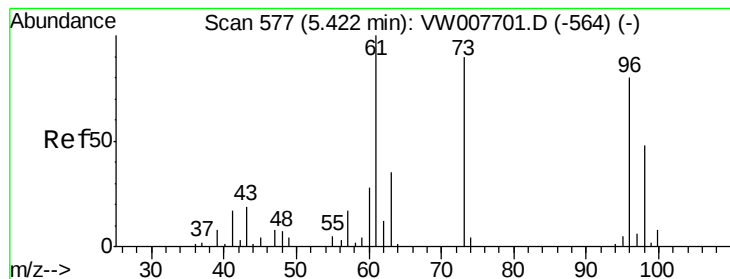
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 53.414 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

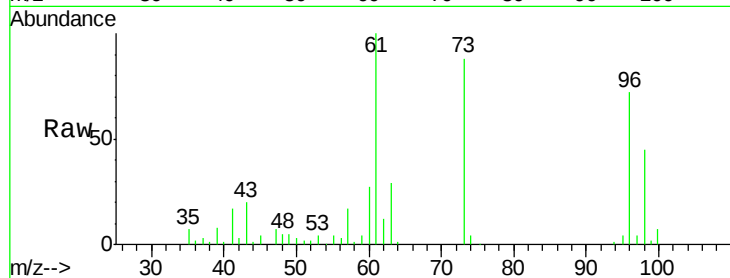
Tgt Ion: 96 Resp: 46033

Ion Ratio Lower Upper

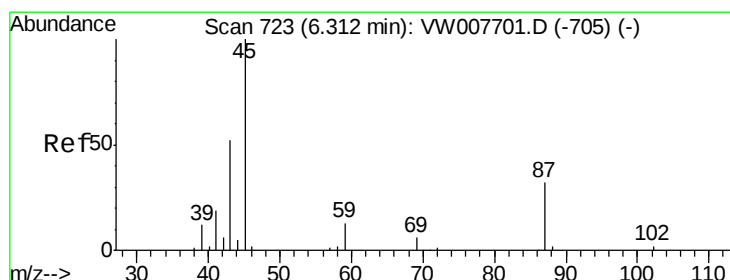
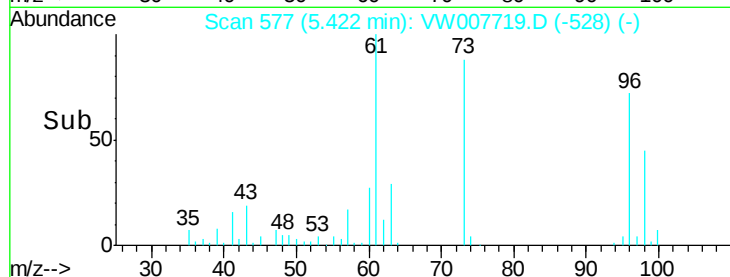
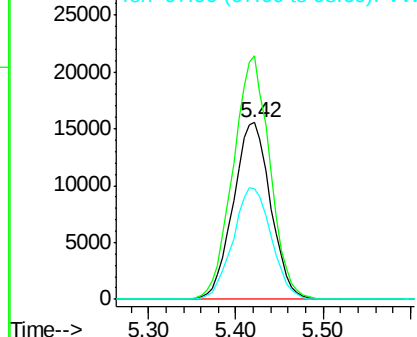
96 100

61 138.0 100.1 150.1

98 62.6 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: 61.022 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion: 45 Resp: 117414

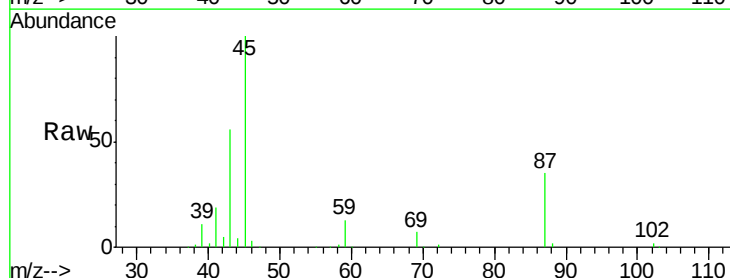
Ion Ratio Lower Upper

45 100

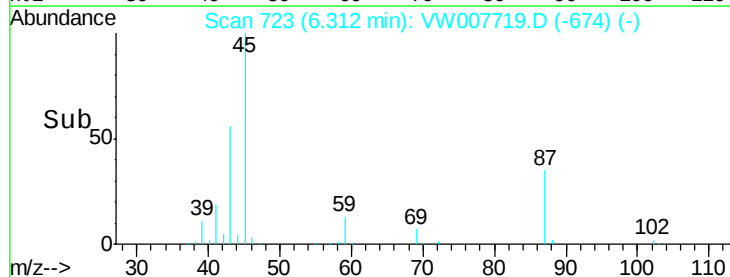
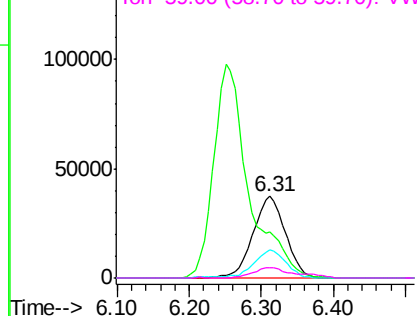
43 55.4 43.7 65.5

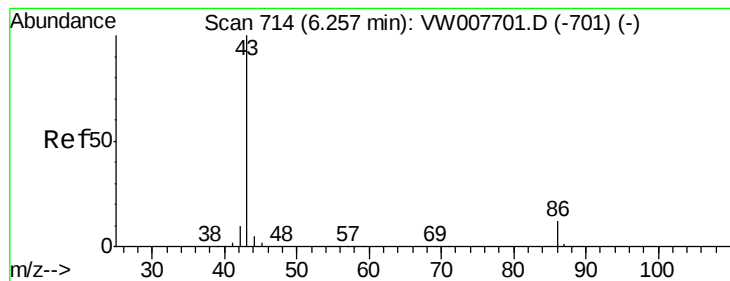
87 34.6 26.6 40.0

59 12.2 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: 289.681 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

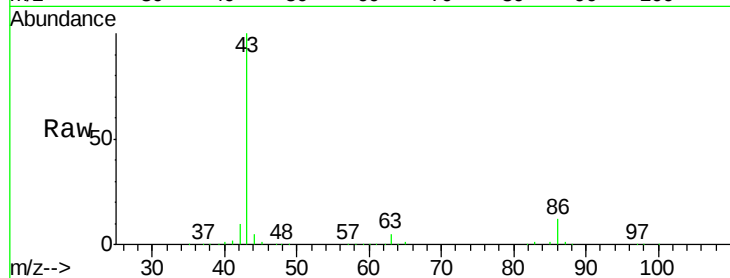
VSTDCCC050EC

Tgt Ion: 43 Resp: 331157

Ion Ratio Lower Upper

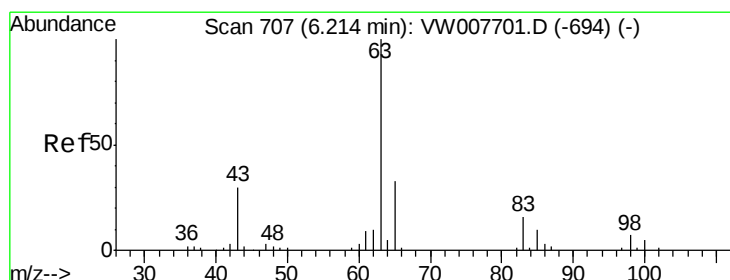
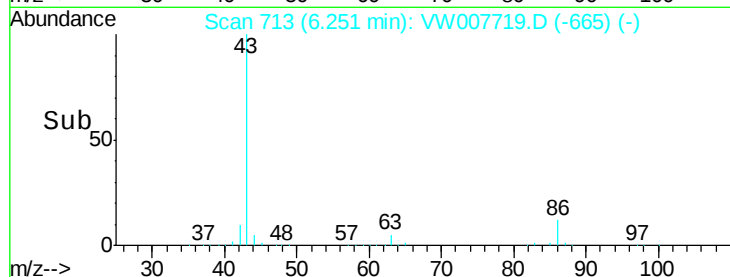
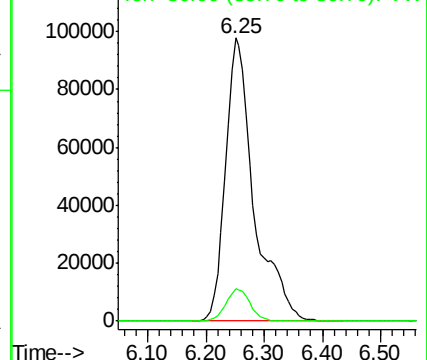
43 100

86 11.7 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 54.929 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

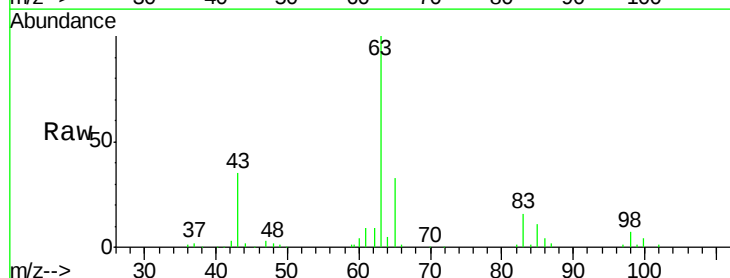
Tgt Ion: 63 Resp: 77752

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.9

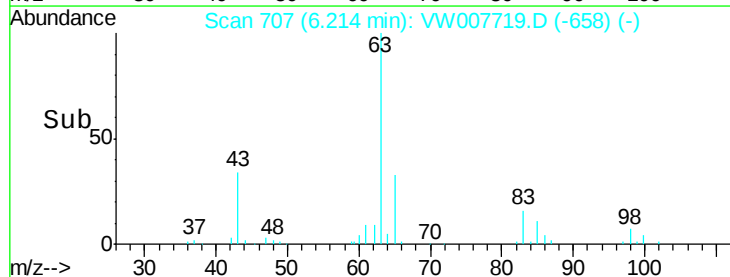
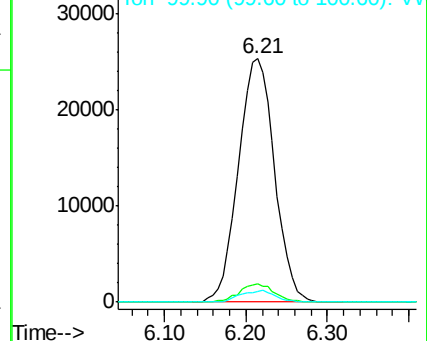
100 4.3 2.5 7.5

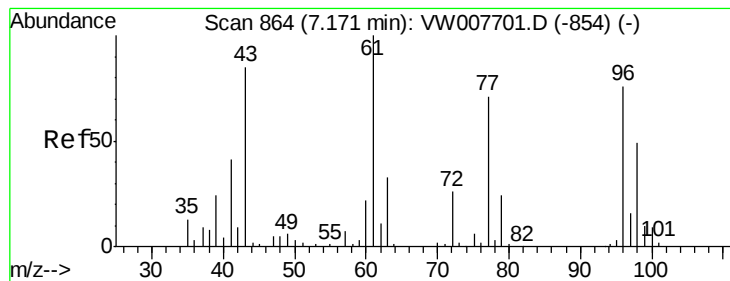


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 263.237 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

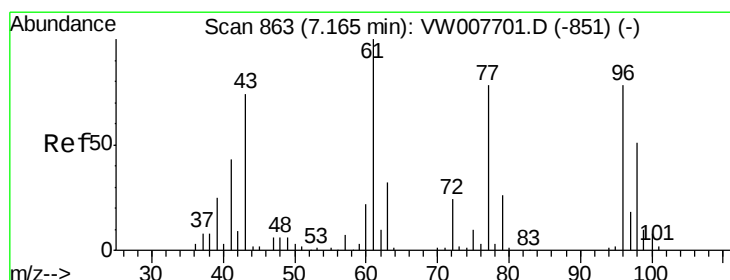
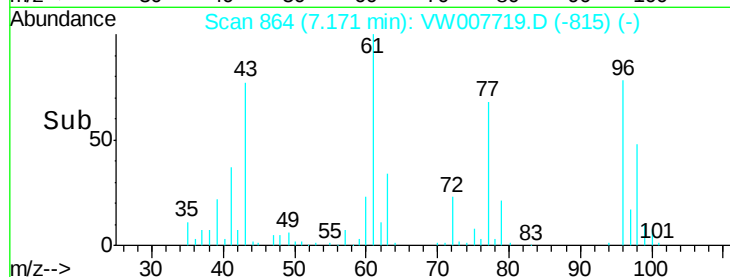
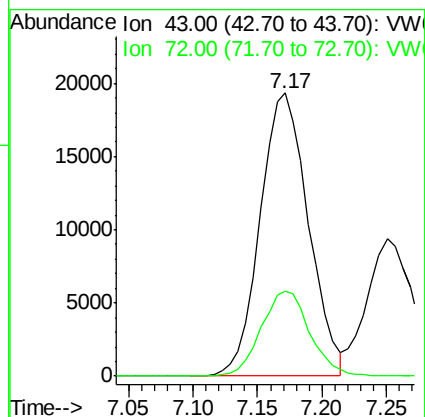
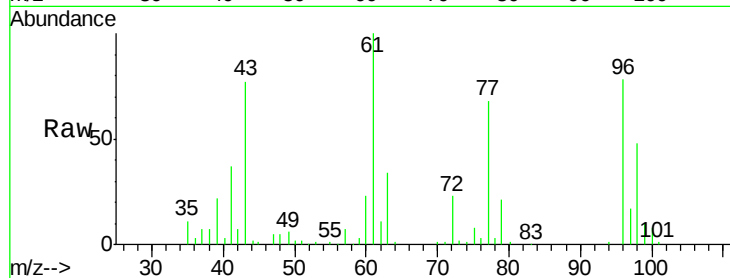
VSTDCCC050EC

Tgt Ion: 43 Resp: 50261

Ion Ratio Lower Upper

43 100

72 29.8 24.5 36.7



#26

2,2-Dichloropropane

Concen: 51.743 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007719.D

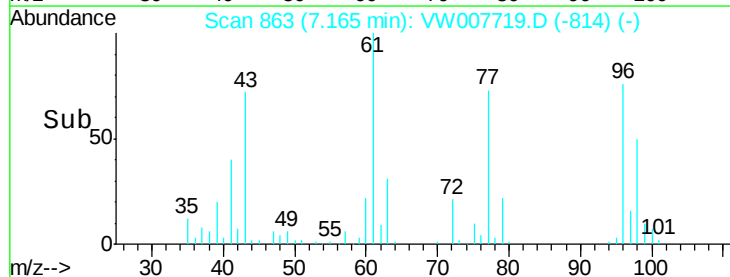
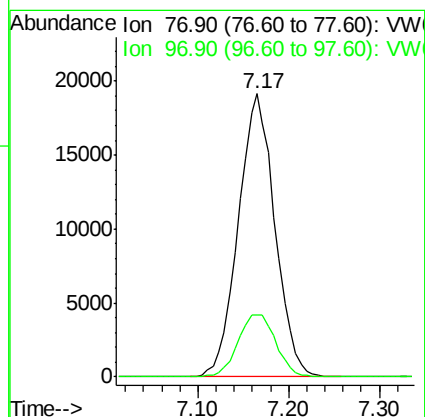
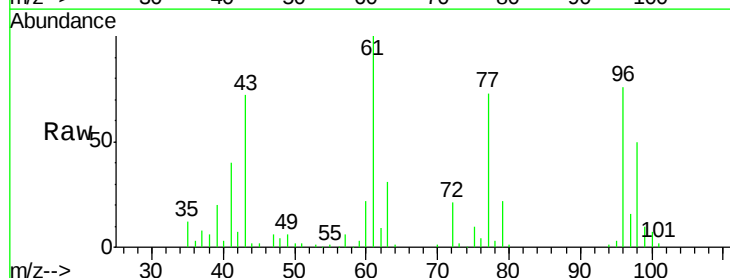
Acq: 19 Dec 2018 23:55

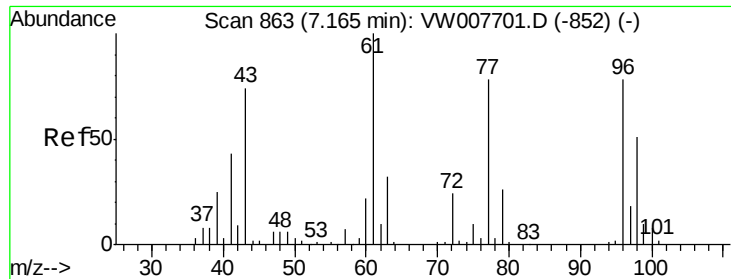
Tgt Ion: 77 Resp: 53596

Ion Ratio Lower Upper

77 100

97 22.9 11.3 33.9



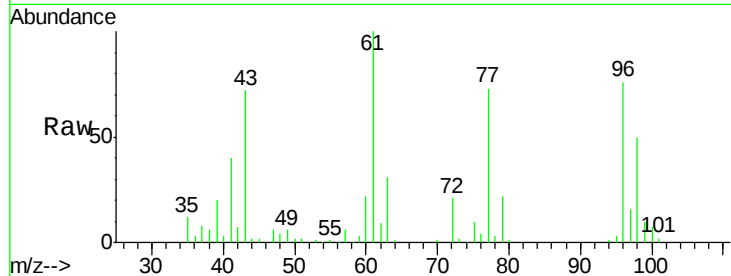


#27

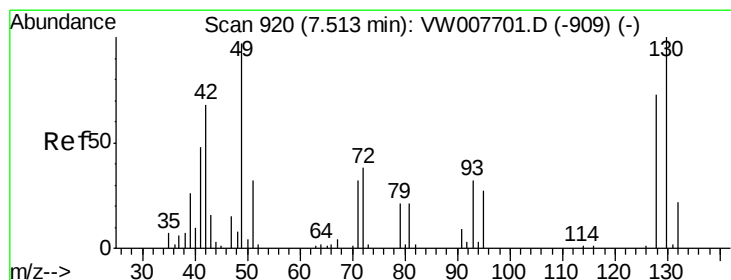
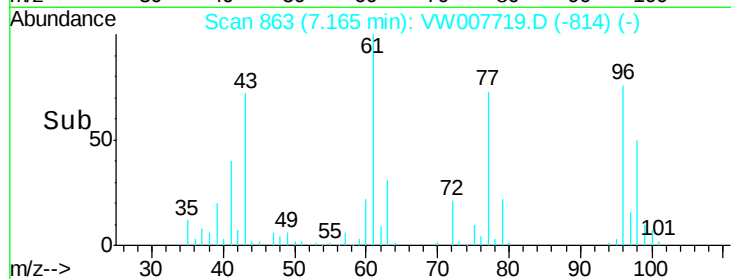
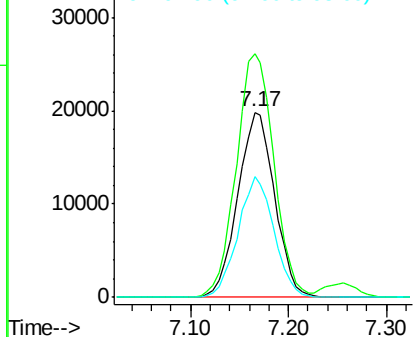
cis-1,2-Dichloroethene
Concen: 56.132 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 51539
Ion Ratio Lower Upper
96 100
61 134.9 0.0 271.6
98 63.7 0.0 131.2



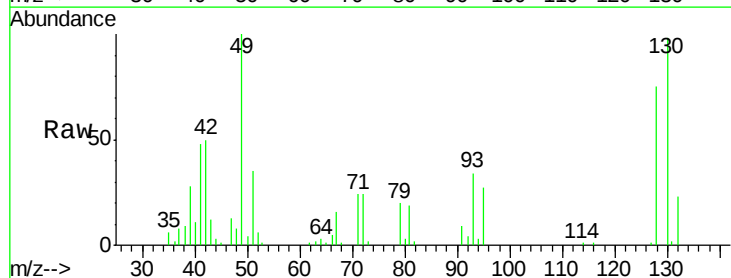
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



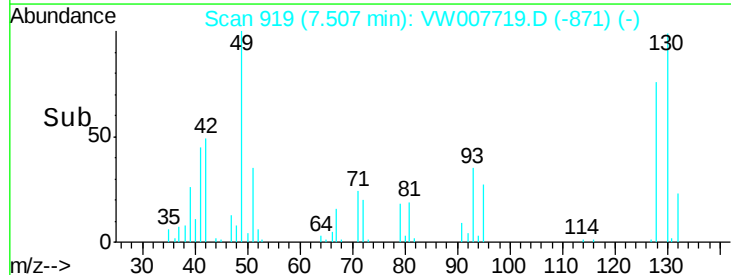
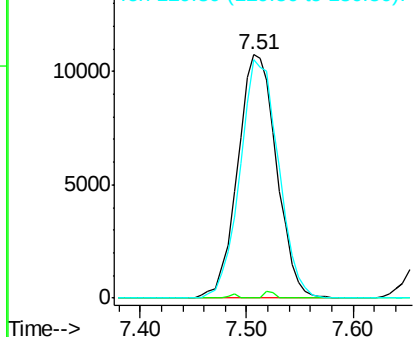
#28

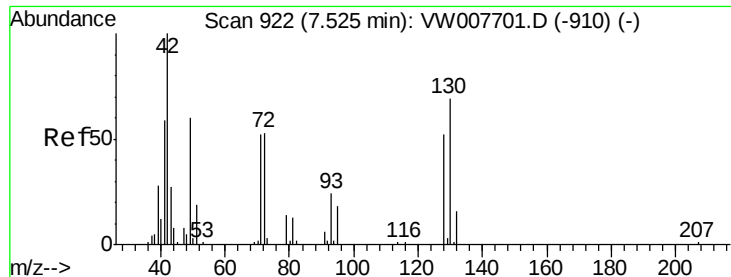
Bromochloromethane
Concen: 56.773 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 49 Resp: 27400
Ion Ratio Lower Upper
49 100
129 0.7 0.0 2.2
130 97.3 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

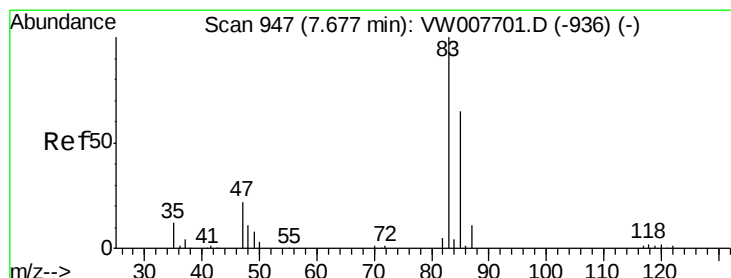
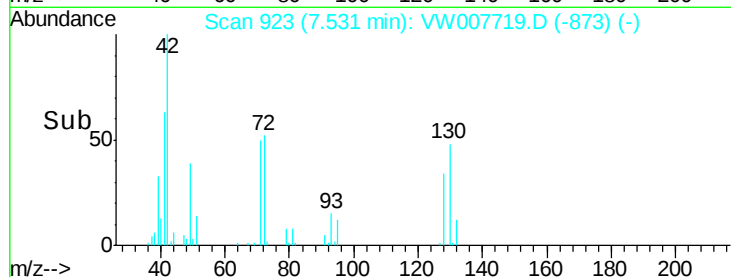
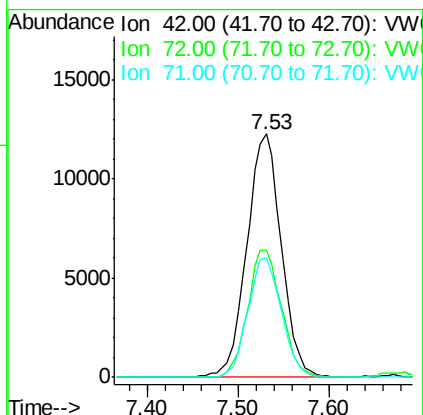
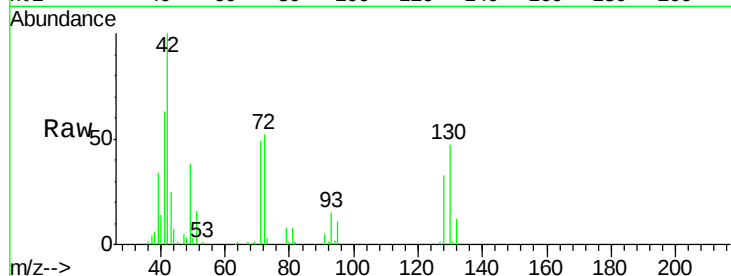




#29
Tetrahydrofuran
Concen: 283.231 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

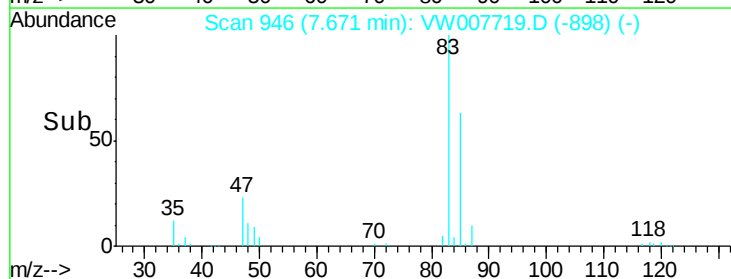
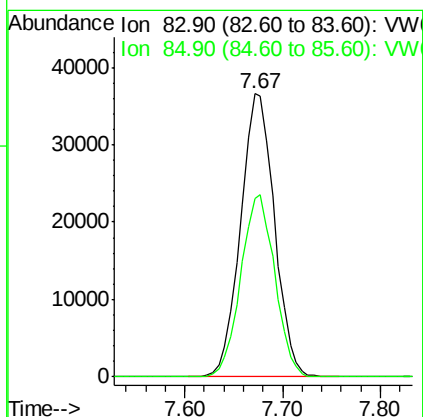
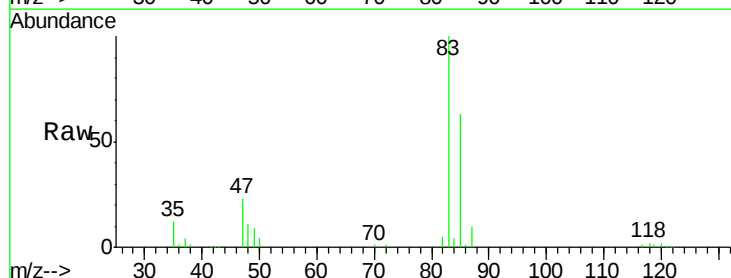
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

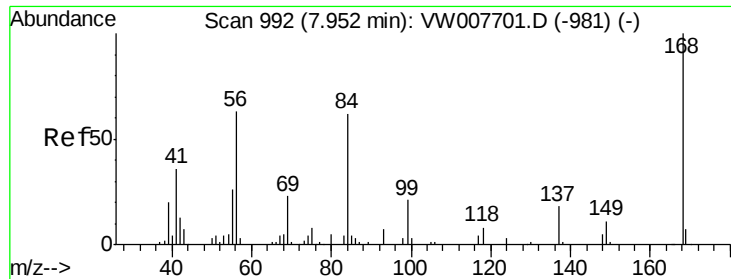
Tgt Ion: 42 Resp: 32257
Ion Ratio Lower Upper
42 100
72 51.4 41.7 62.5
71 47.6 39.0 58.6



#30
Chloroform
Concen: 54.746 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 83 Resp: 87698
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.2

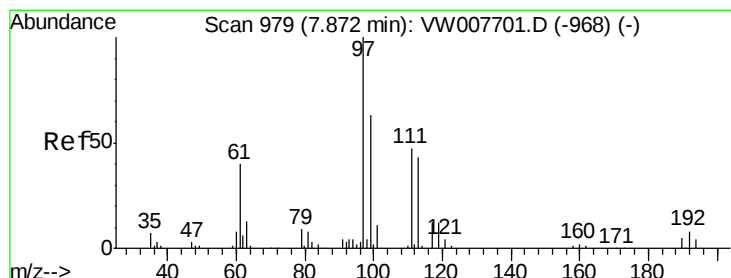
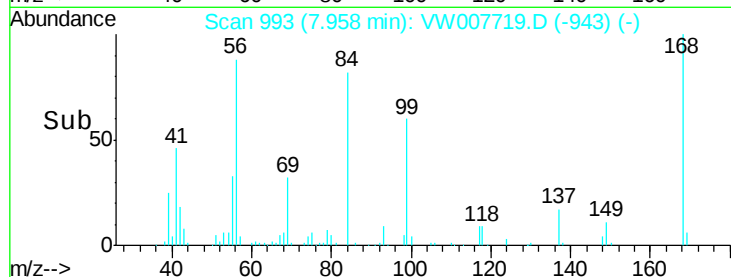
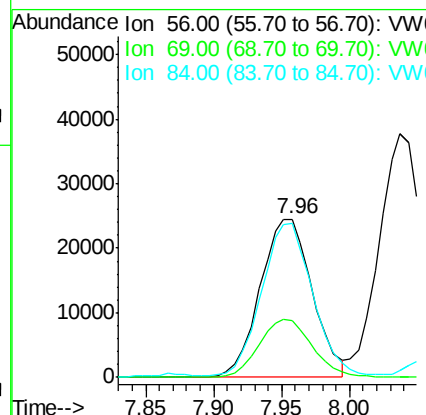
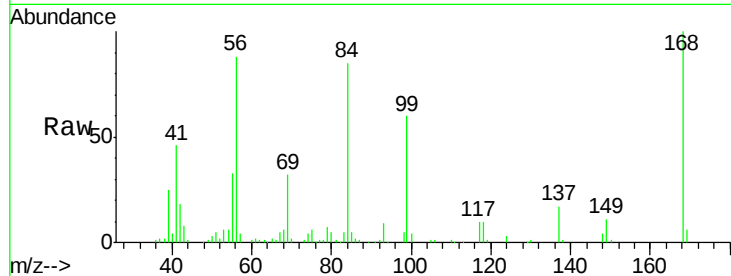




#31
Cyclohexane
Concen: 50.343 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

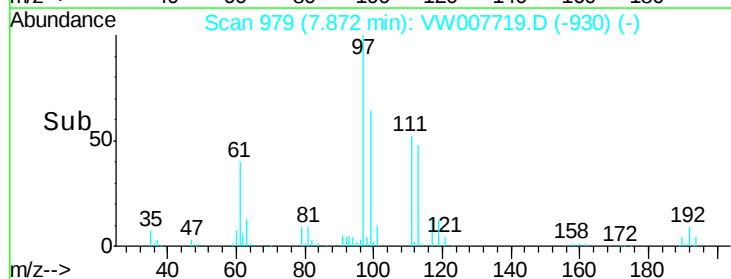
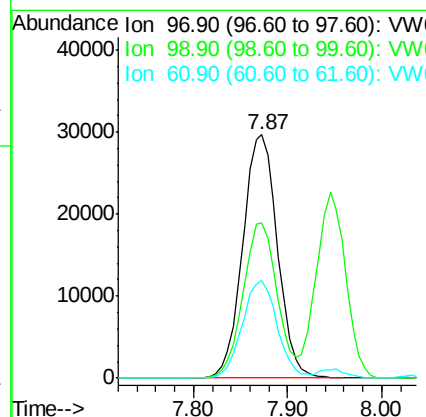
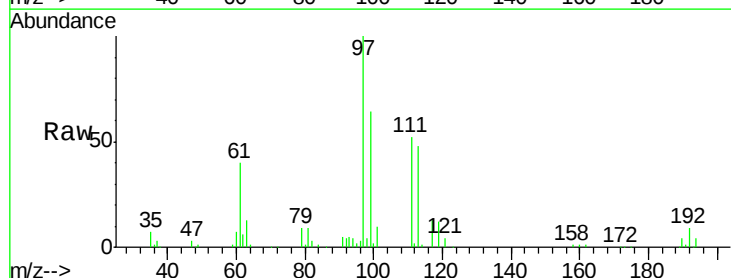
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

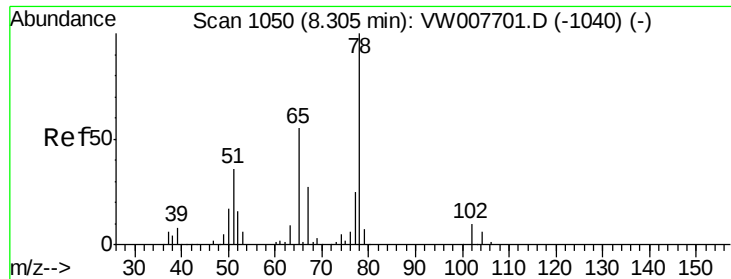
Tgt Ion: 56 Resp: 65238
Ion Ratio Lower Upper
56 100
69 36.0 29.7 44.5
84 95.9 78.9 118.3



#32
1,1,1-Trichloroethane
Concen: 52.326 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 97 Resp: 76340
Ion Ratio Lower Upper
97 100
99 63.0 50.6 76.0
61 40.4 32.3 48.5

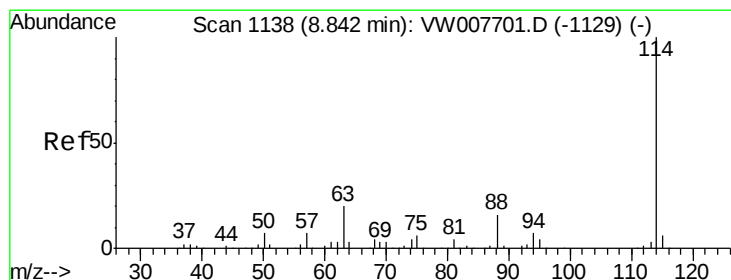
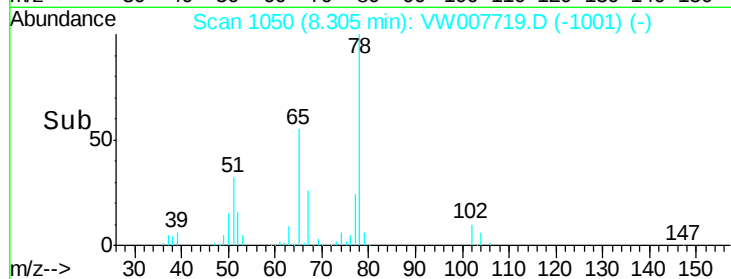
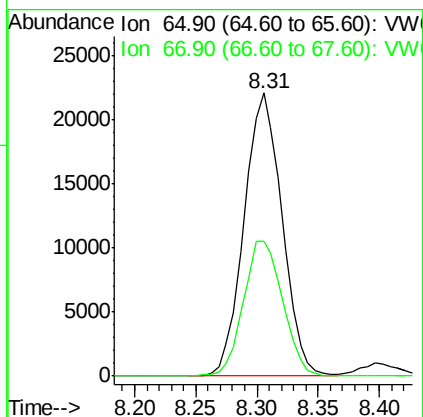
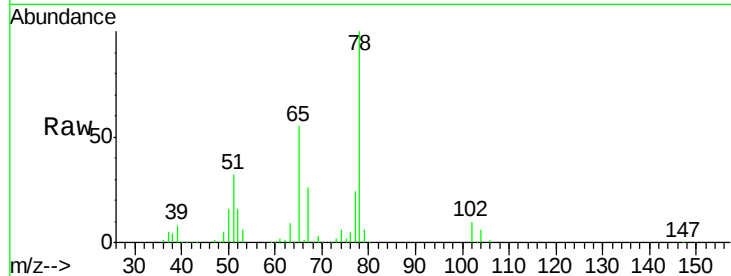




#33
 1,2-Dichloroethane-d4
 Concen: 54.909 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

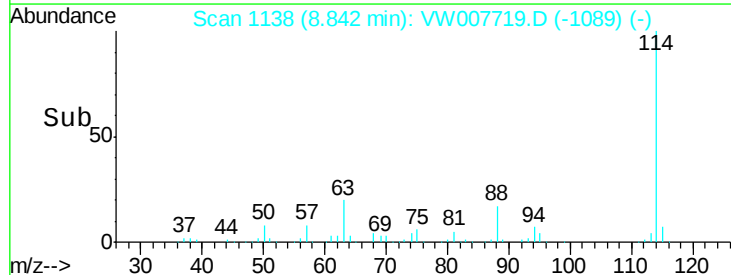
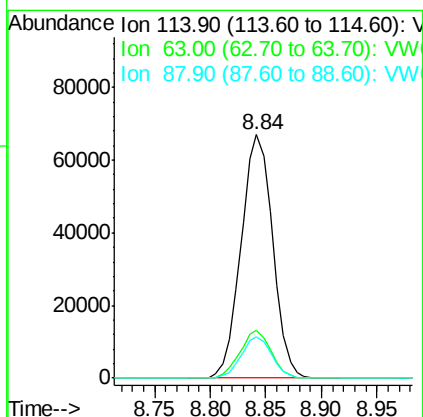
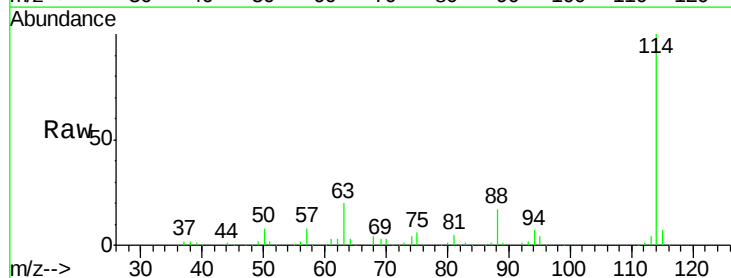
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

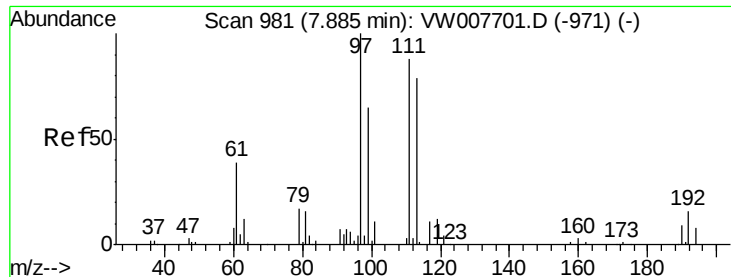
Tgt Ion: 65 Resp: 47799
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion: 114 Resp: 132573
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 17.2 0.0 32.6

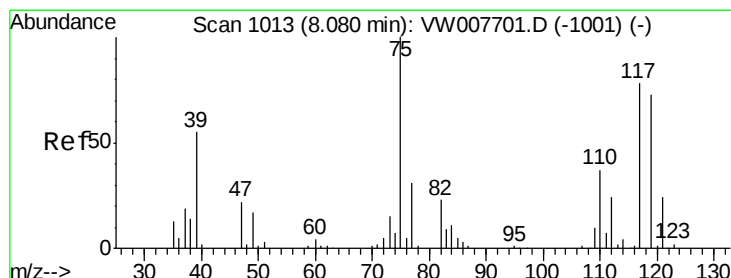
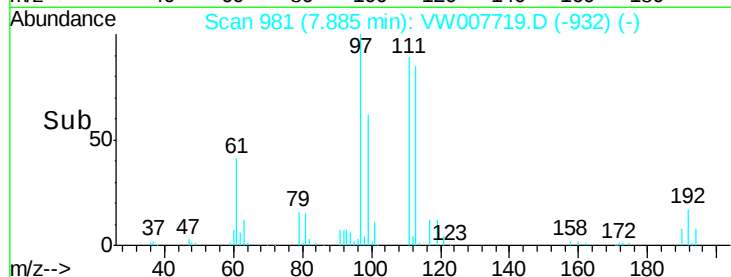
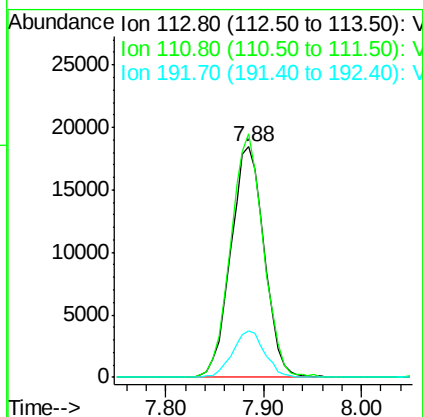
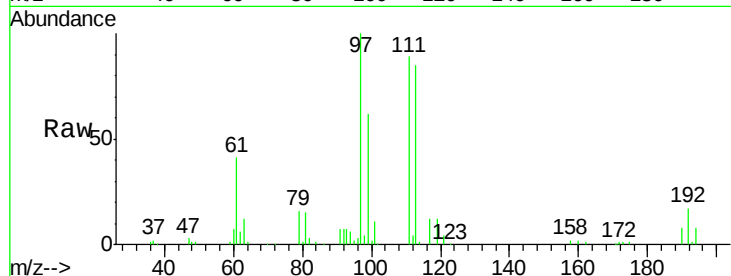




#35
 Dibromofluoromethane
 Concen: 53.997 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

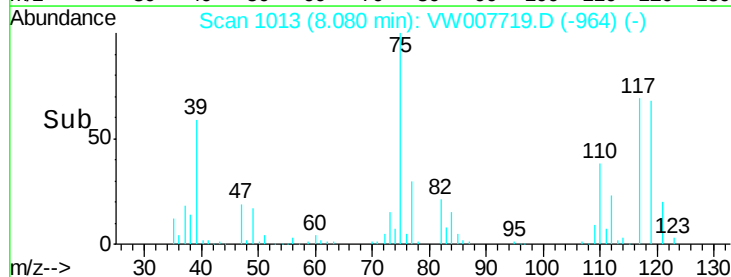
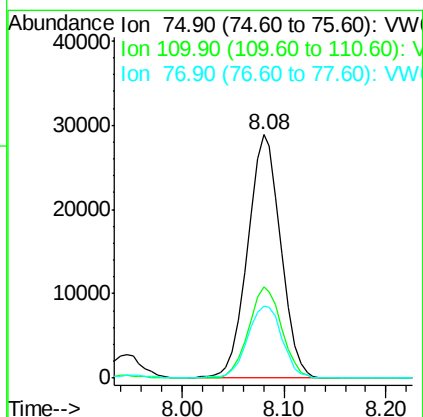
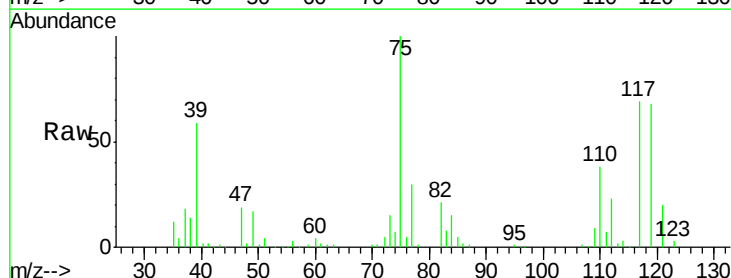
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

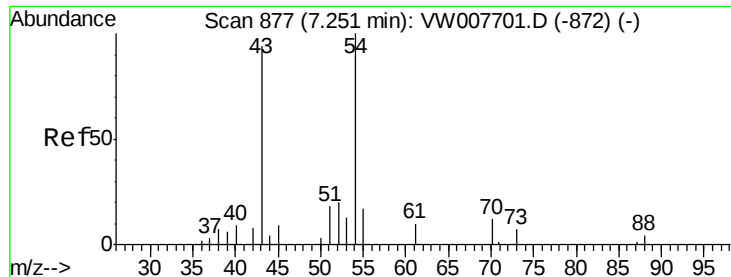
Tgt Ion: 113 Resp: 43671
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.6 124.0
 192 19.2 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 50.884 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion: 75 Resp: 65109
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.6 55.8
 77 31.1 25.0 37.4

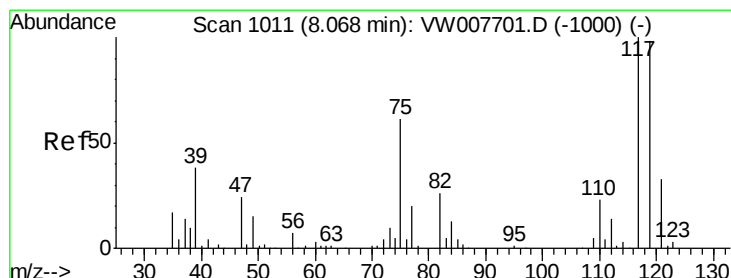
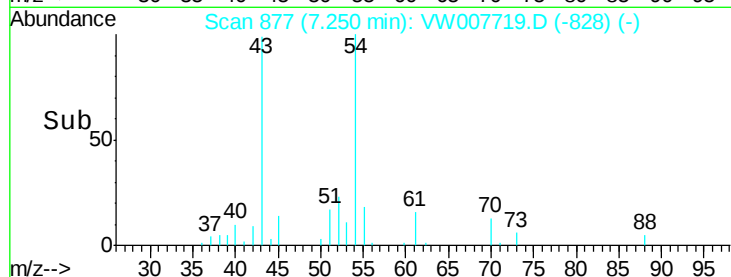
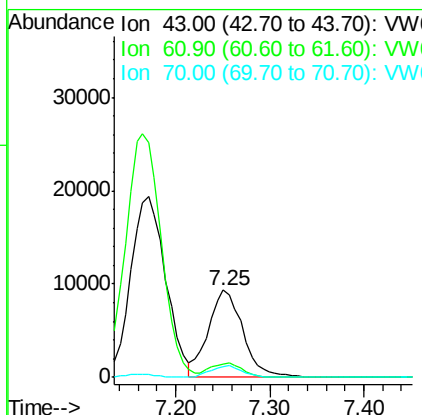
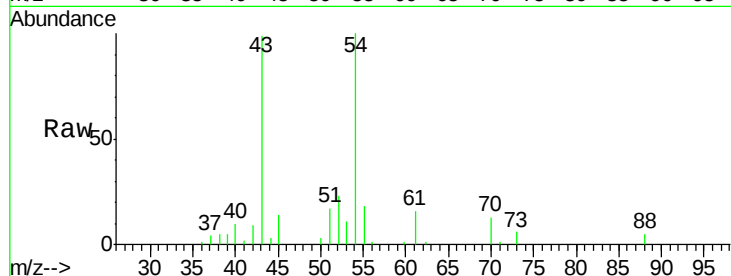




#37
Ethyl Acetate
Concen: 54.296 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

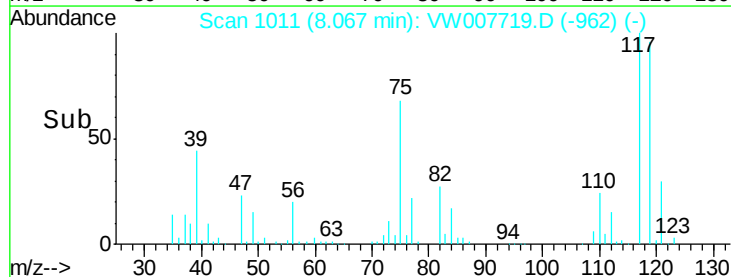
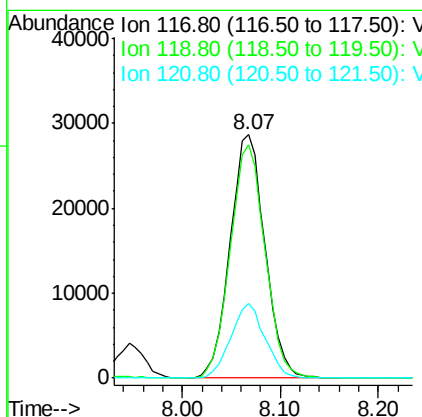
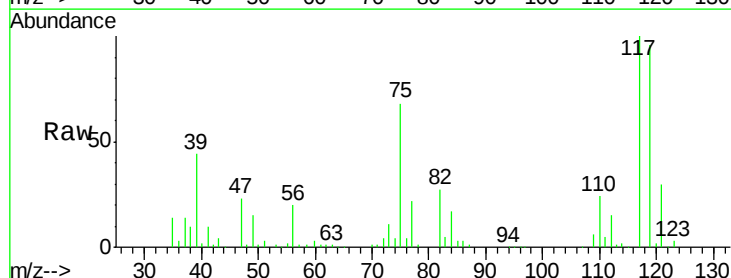
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 23977
Ion Ratio Lower Upper
43 100
61 15.8 11.2 16.8
70 12.0 9.3 13.9



#38
Carbon Tetrachloride
Concen: 47.028 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 117 Resp: 70868
Ion Ratio Lower Upper
117 100
119 95.8 78.2 117.2
121 30.5 26.1 39.1

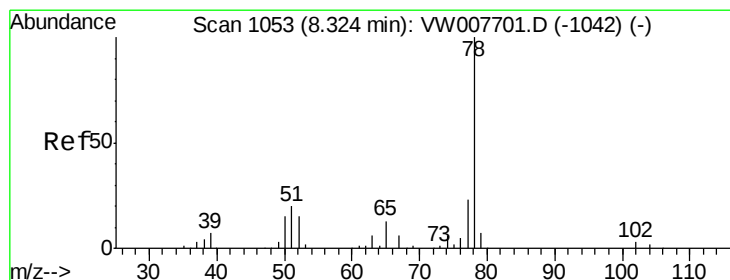
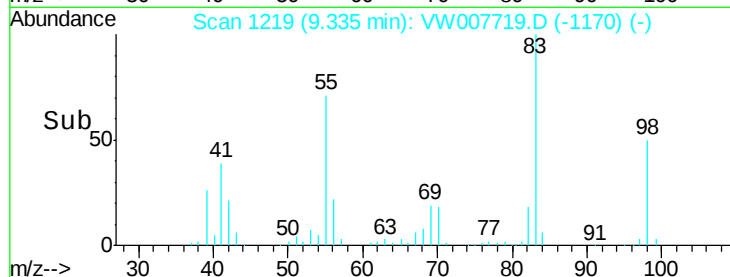
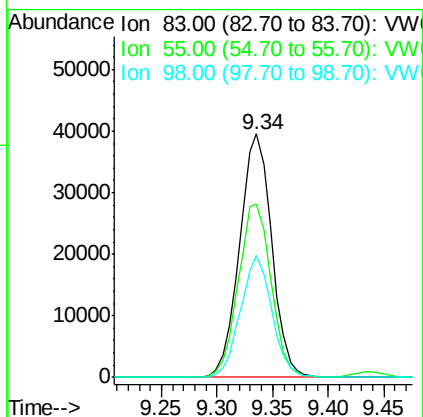
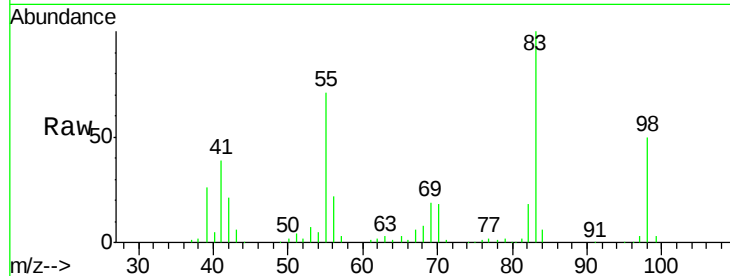




#39
Methylcyclohexane
Concen: 49.897 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

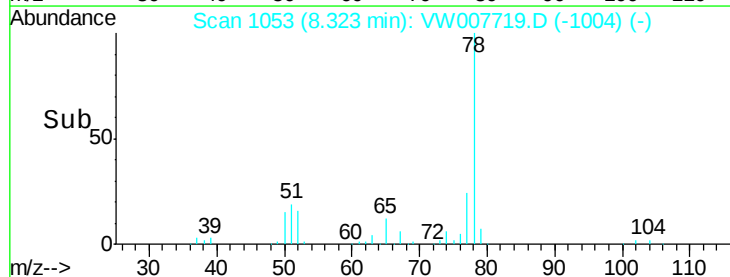
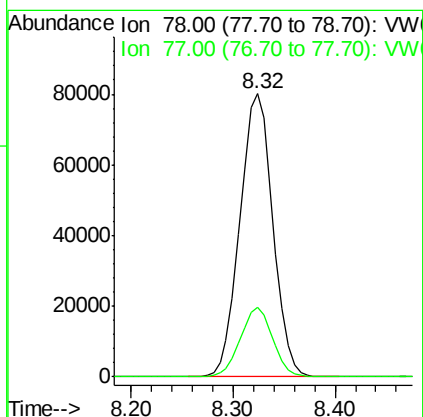
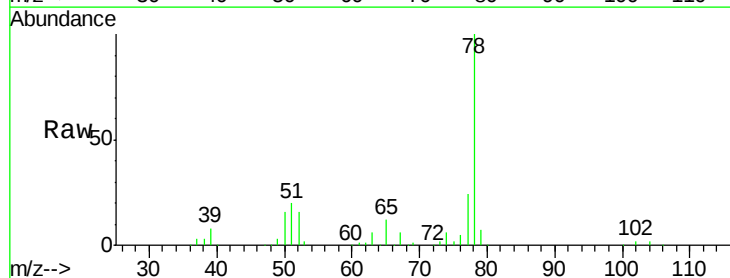
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

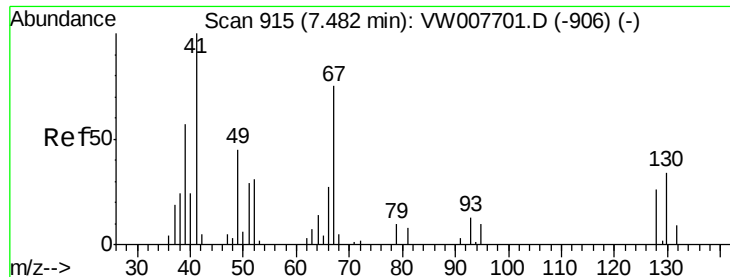
Tgt Ion: 83 Resp: 79336
Ion Ratio Lower Upper
83 100
55 71.3 57.2 85.8
98 50.3 38.6 58.0



#40
Benzene
Concen: 52.671 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 78 Resp: 179845
Ion Ratio Lower Upper
78 100
77 24.5 18.7 28.1





#41

Methacrylonitrile

Concen: 57.144 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 14327

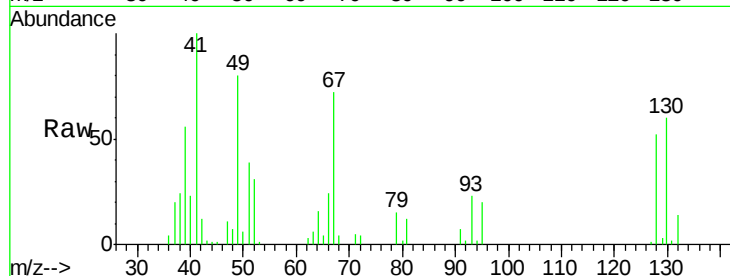
Ion Ratio Lower Upper

41 100

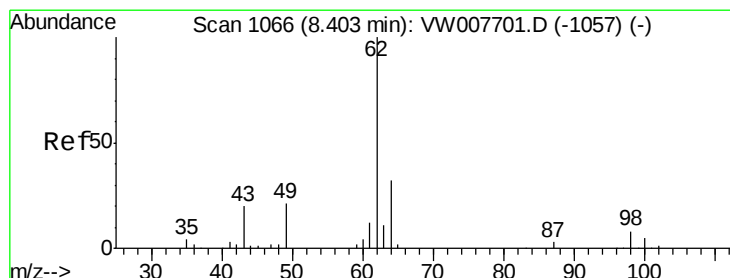
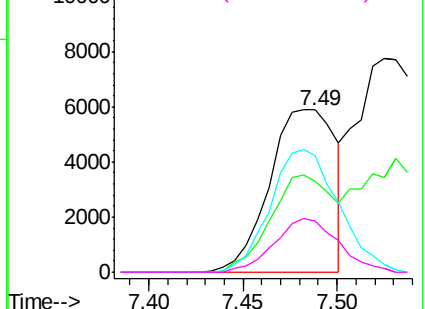
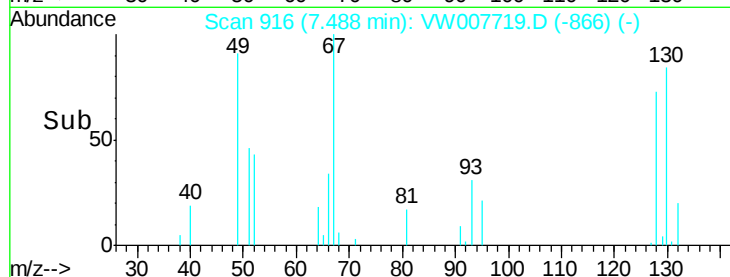
39 56.9 54.2 81.4

67 78.0 65.7 98.5

52 32.0 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: 52.177 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW007719.D

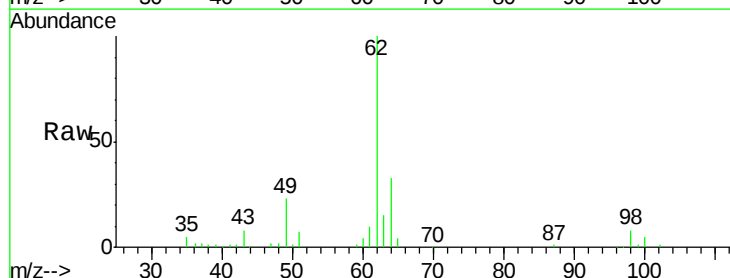
Acq: 19 Dec 2018 23:55

Tgt Ion: 62 Resp: 59705

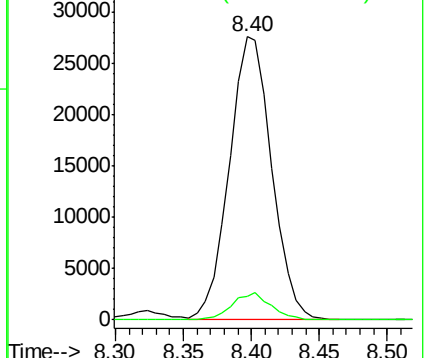
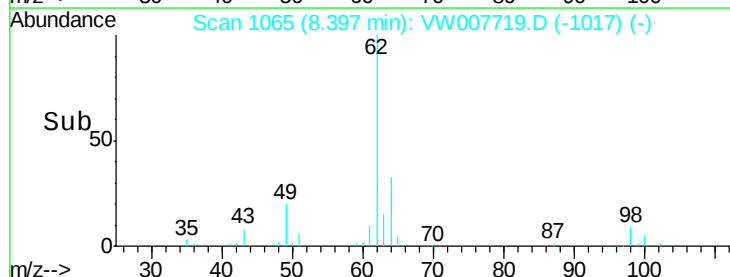
Ion Ratio Lower Upper

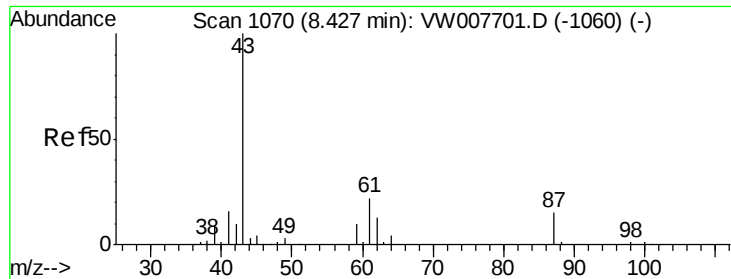
62 100

98 8.8 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: 54.926 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

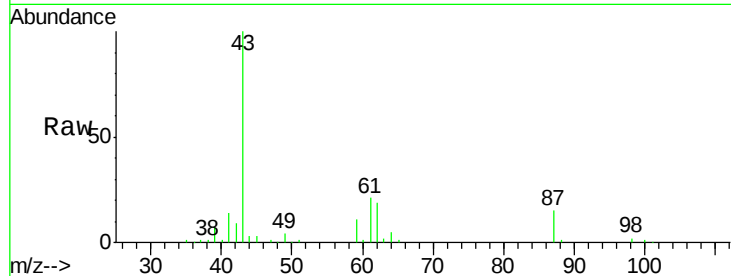
Tgt Ion: 43 Resp: 48594

Ion Ratio Lower Upper

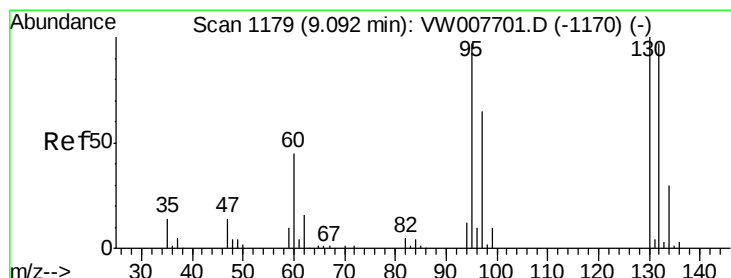
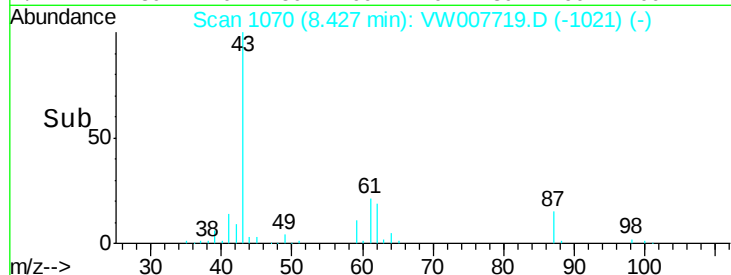
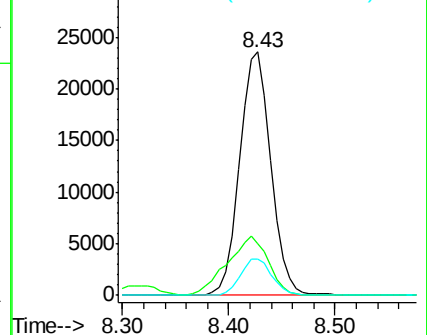
43 100

61 31.8 26.3 39.5

87 15.1 12.0 18.0



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



#44

Trichloroethene

Concen: 50.884 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007719.D

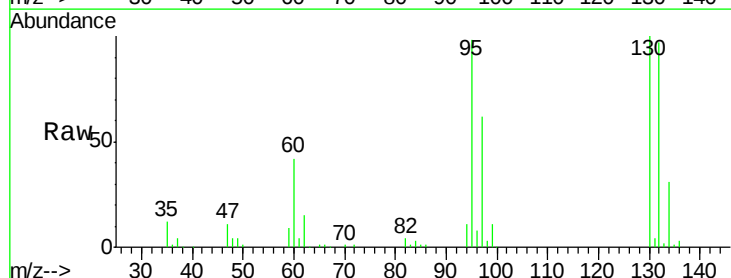
Acq: 19 Dec 2018 23:55

Tgt Ion: 130 Resp: 52543

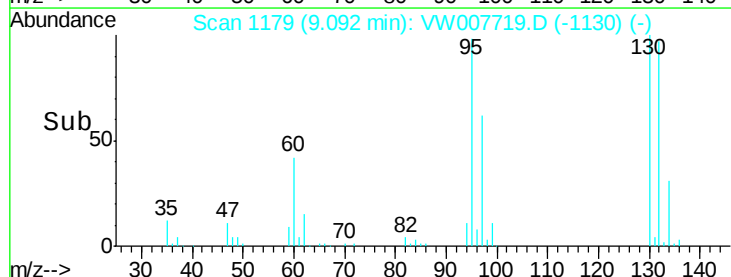
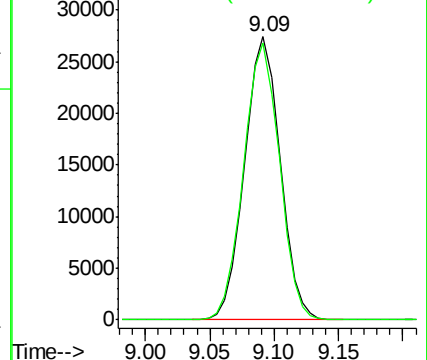
Ion Ratio Lower Upper

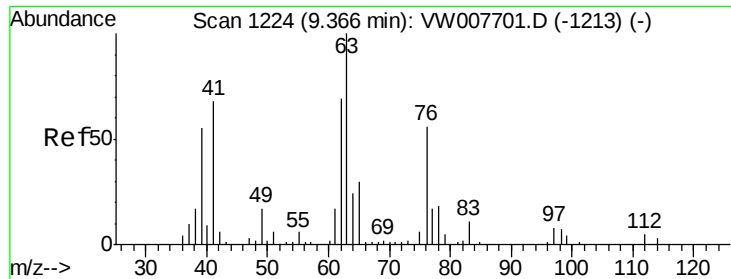
130 100

95 98.0 0.0 194.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 55.818 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

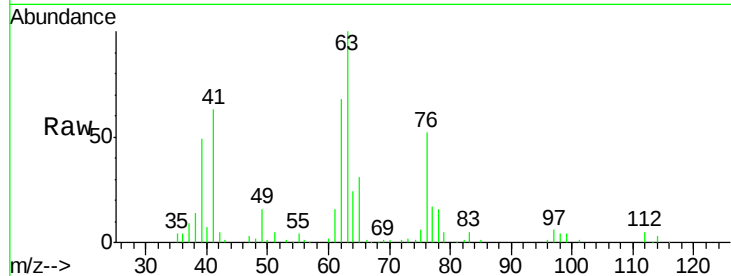
VSTDCCC050EC

Tgt Ion: 63 Resp: 42290

Ion Ratio Lower Upper

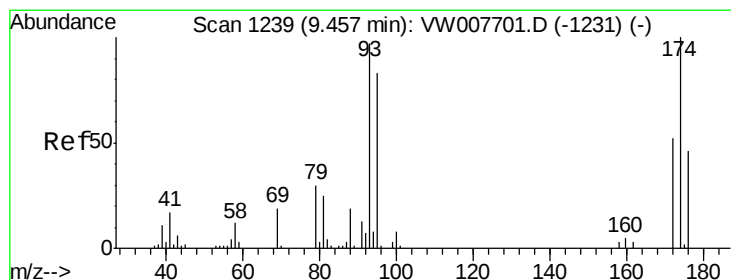
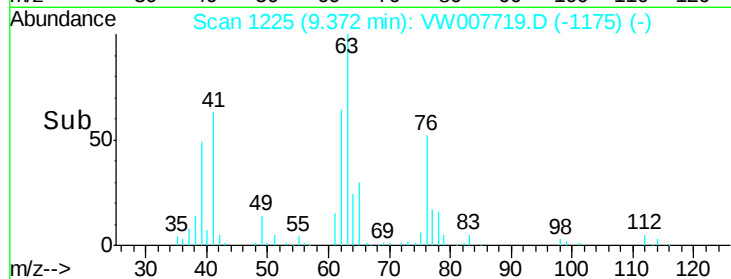
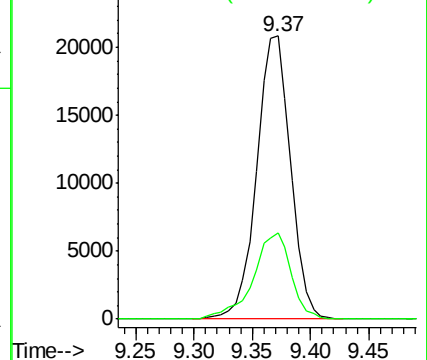
63 100

65 30.7 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 51.539 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

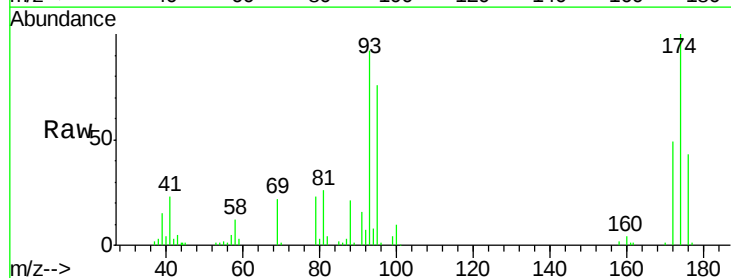
Tgt Ion: 93 Resp: 24037

Ion Ratio Lower Upper

93 100

95 82.9 67.5 101.3

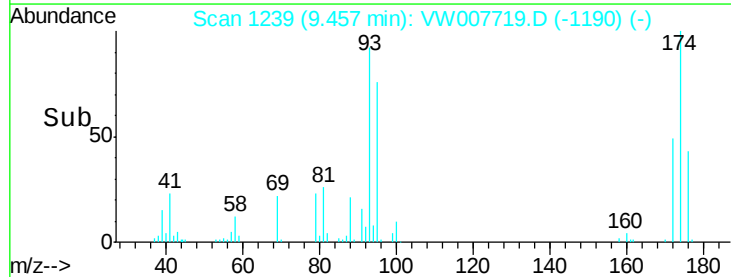
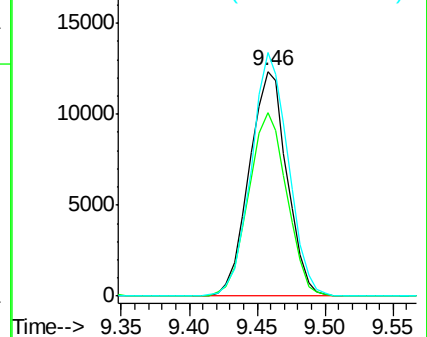
174 105.9 83.9 125.9

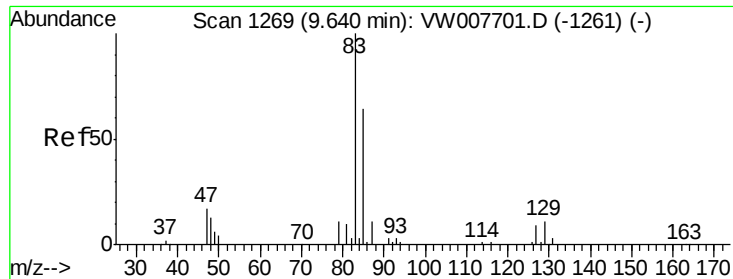


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

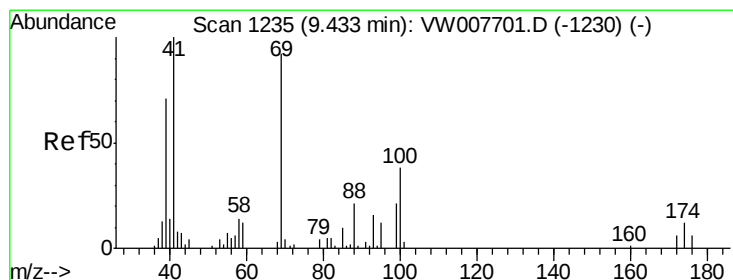
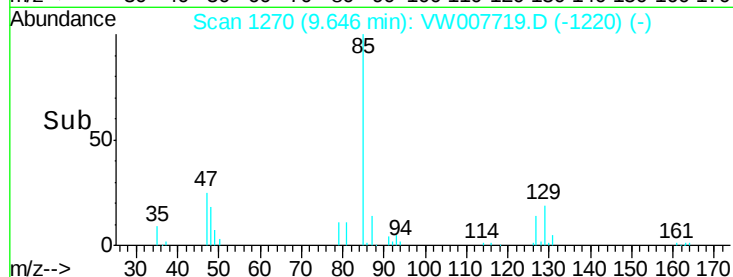
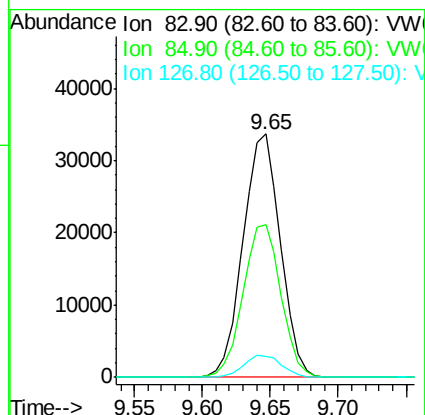
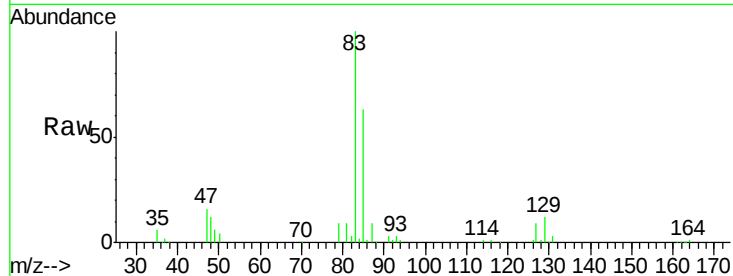




#47
Bromodichloromethane
Concen: 52.715 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

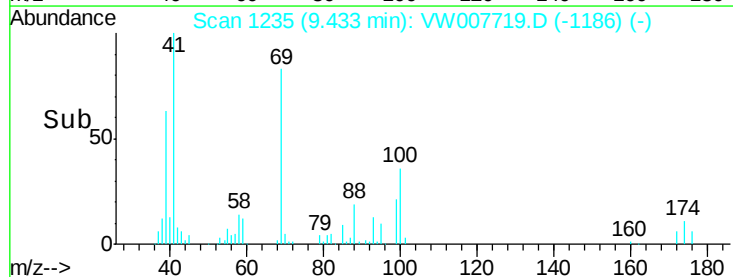
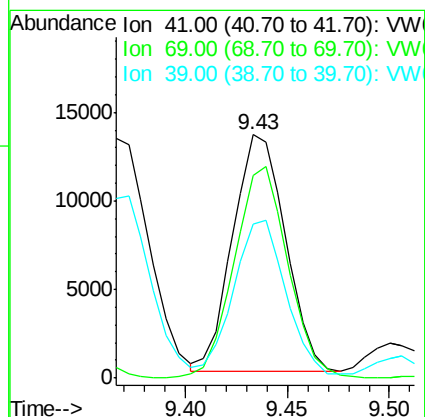
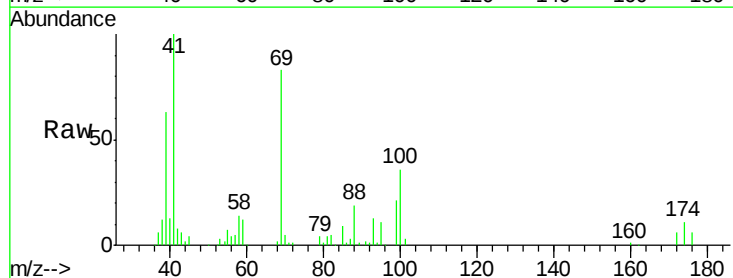
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

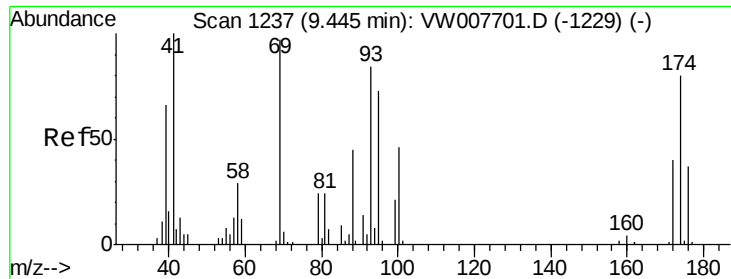
Tgt Ion: 83 Resp: 64634
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.0
127 8.6 7.5 11.3



#48
Methyl methacrylate
Concen: 54.077 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 41 Resp: 23881
Ion Ratio Lower Upper
41 100
69 91.6 74.2 111.2
39 68.2 53.9 80.9

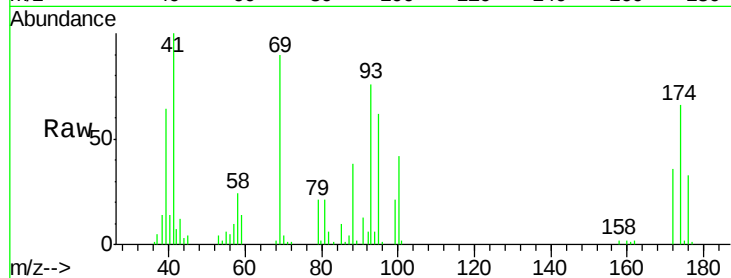




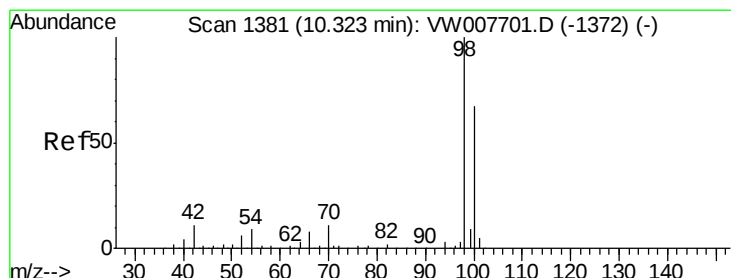
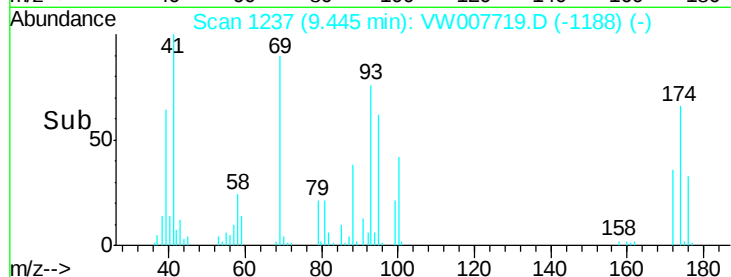
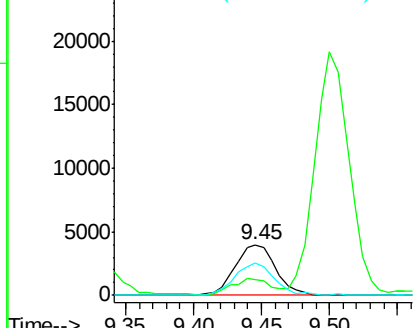
#49
 1,4-Dioxane
 Concen: 1116.260 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 8254
 Ion Ratio Lower Upper
 88 100
 43 31.7 25.6 38.4
 58 63.3 52.3 78.5

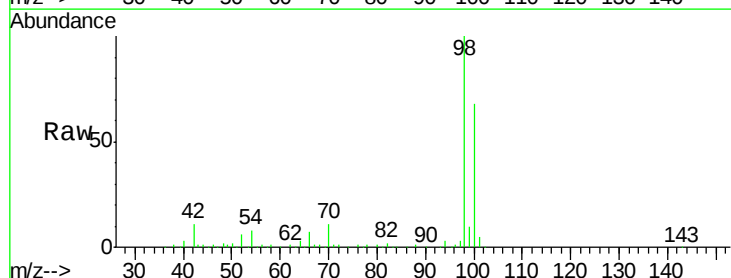


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

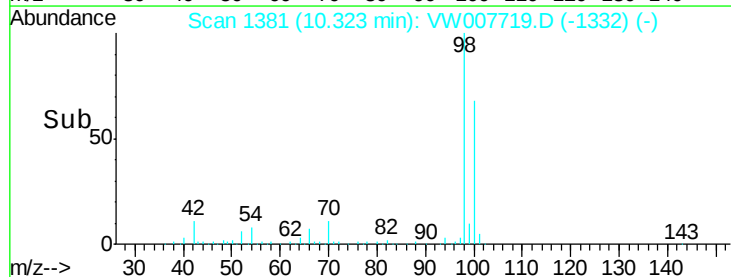
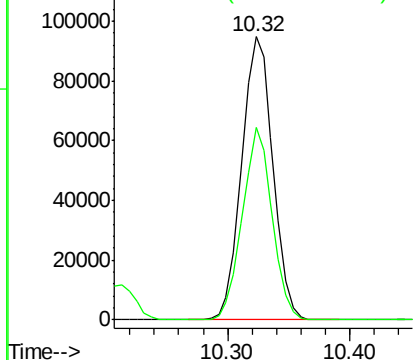


#50
 Toluene-d8
 Concen: 54.864 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion: 98 Resp: 167276
 Ion Ratio Lower Upper
 98 100
 100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

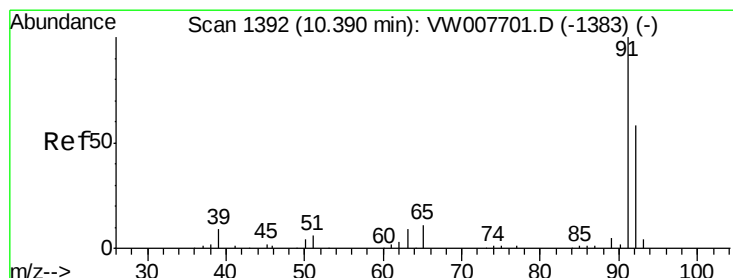
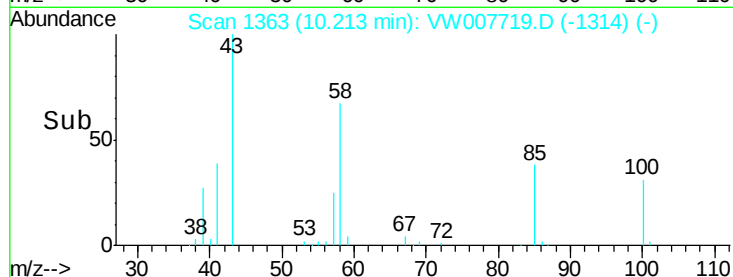
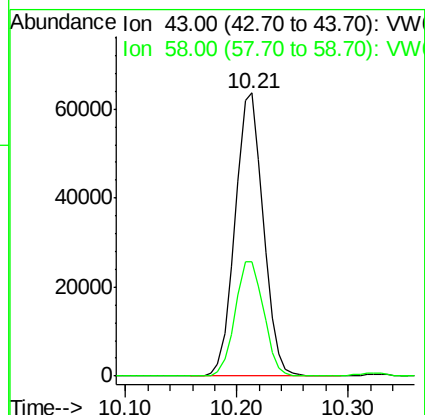
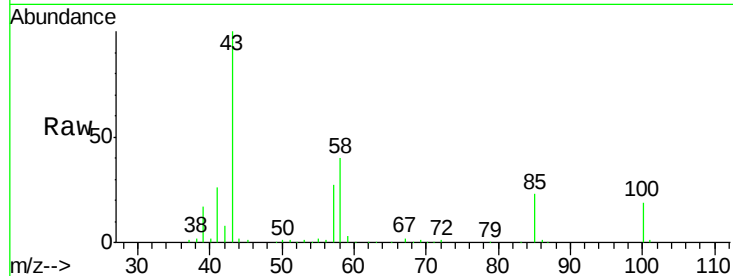




#51
 4-Methyl-2-Pentanone
 Concen: 266.917 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

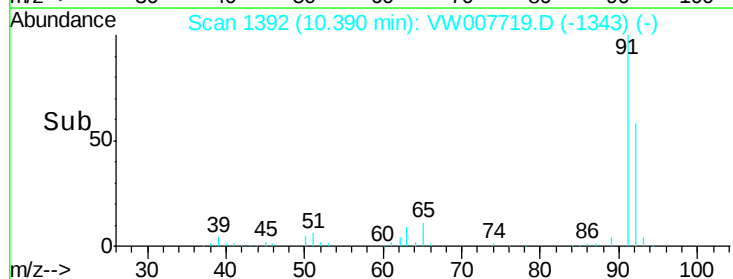
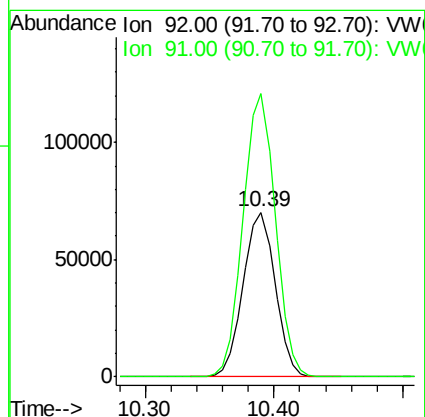
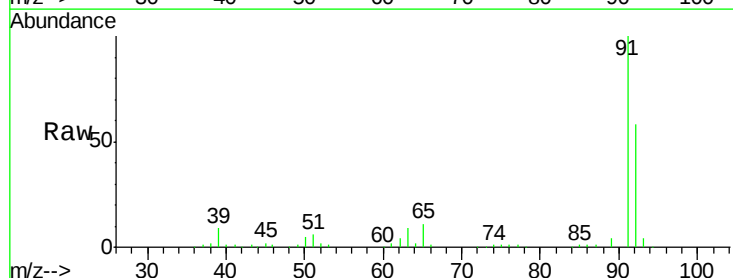
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 111602
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.2 49.8



#52
 Toluene
 Concen: 52.822 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion: 92 Resp: 121010
 Ion Ratio Lower Upper
 92 100
 91 172.9 137.0 205.4

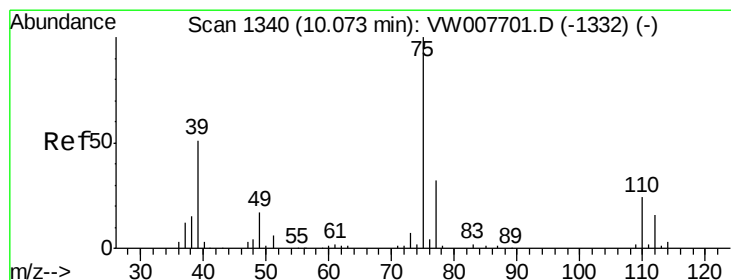
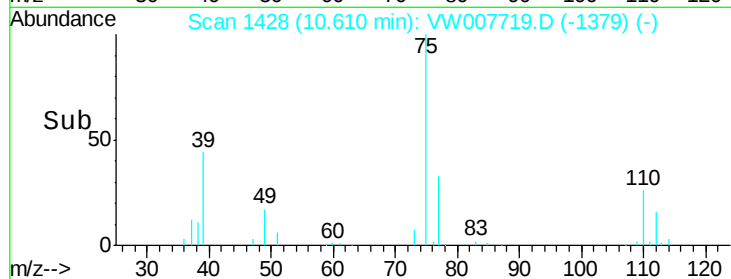
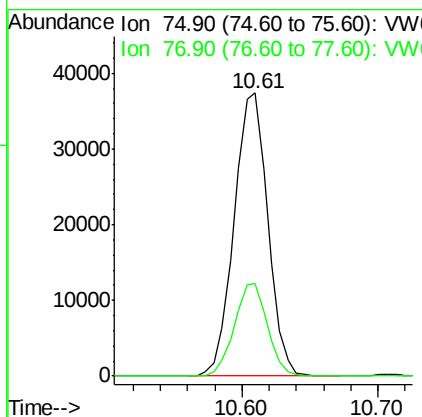
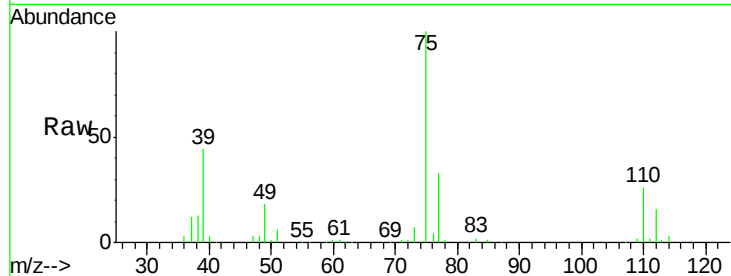




#53
t-1,3-Dichloropropene
Concen: 52.858 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

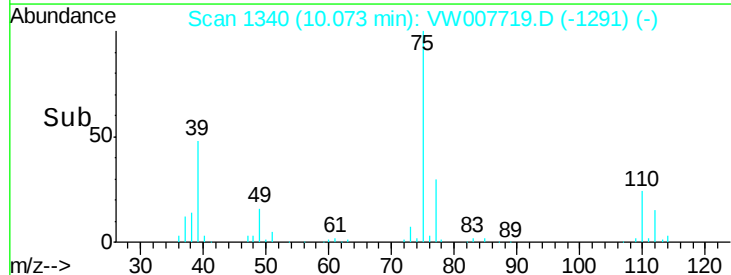
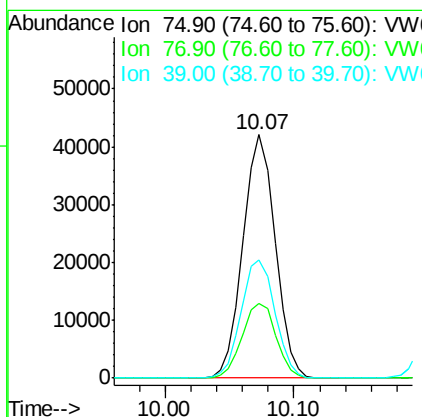
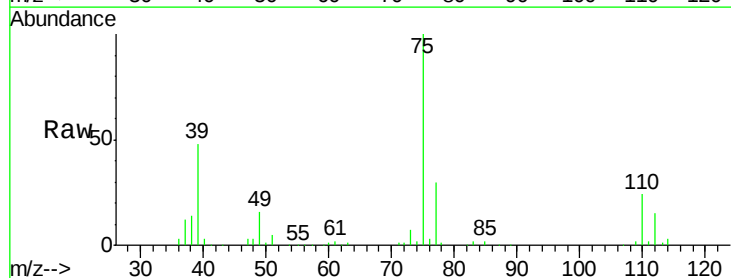
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

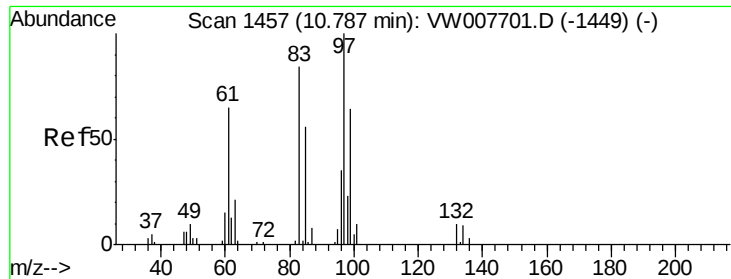
Tgt Ion: 75 Resp: 64463
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 54.140 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 75 Resp: 72931
Ion Ratio Lower Upper
75 100
77 30.5 25.5 38.3
39 48.5 41.2 61.8

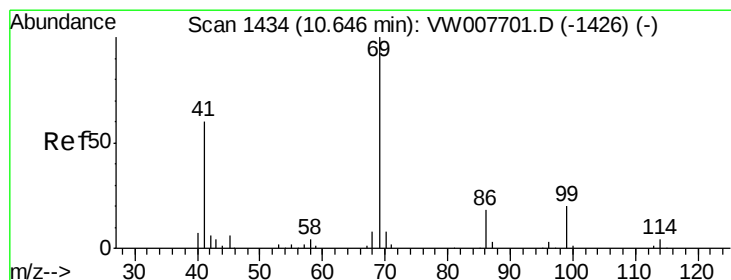
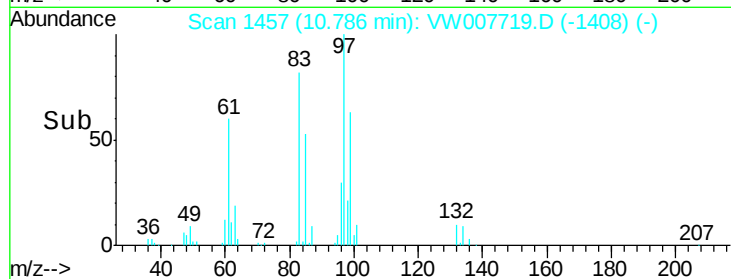
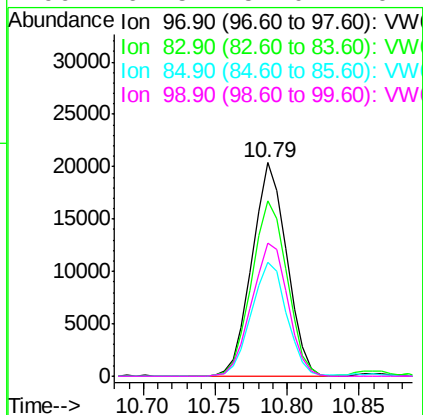
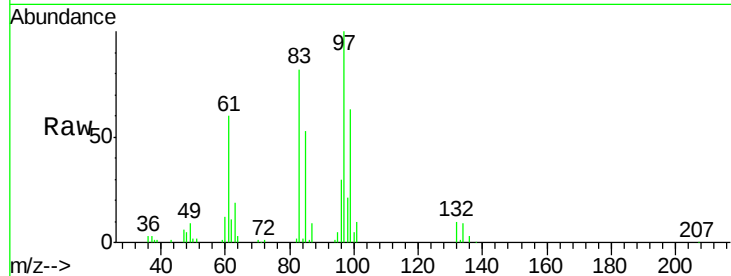




#55
 1,1,2-Trichloroethane
 Concen: 52.886 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

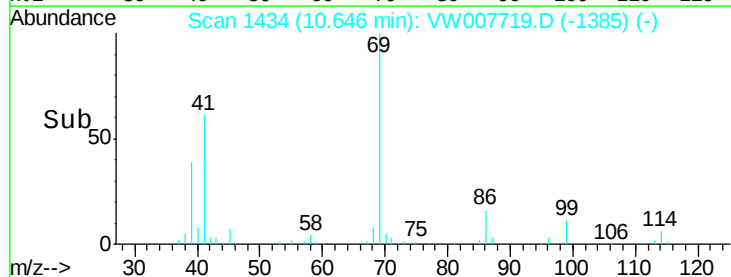
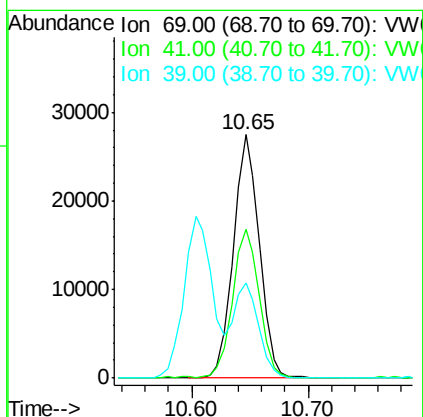
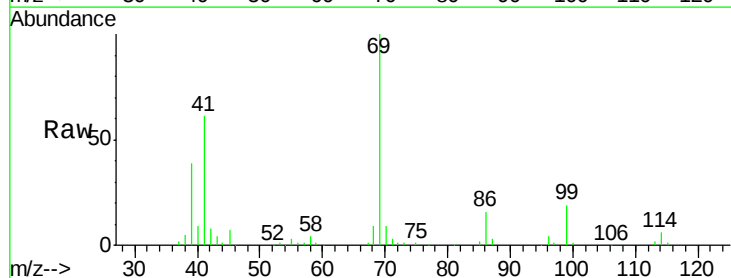
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

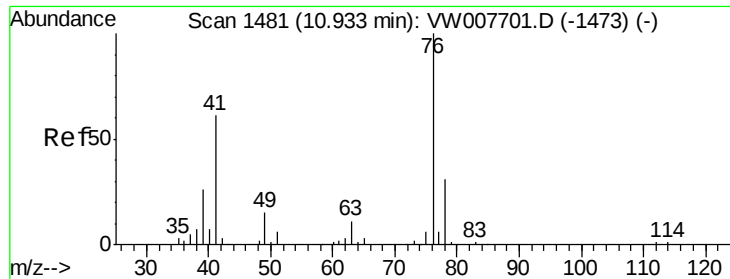
Tgt Ion:	97	Resp:	34003
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.5	101.3
85	53.3	44.8	67.2
99	62.5	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 56.049 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion:	69	Resp:	42578
Ion	Ratio	Lower	Upper
69	100		
41	63.9	48.9	73.3
39	38.3	31.3	46.9

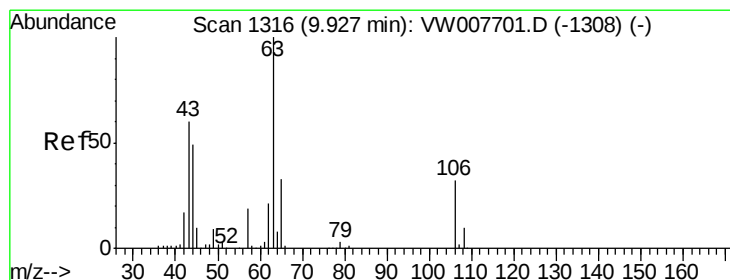
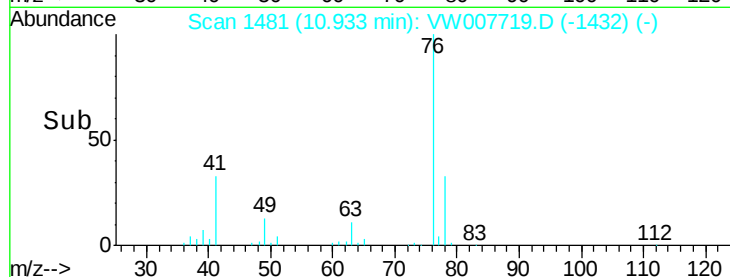
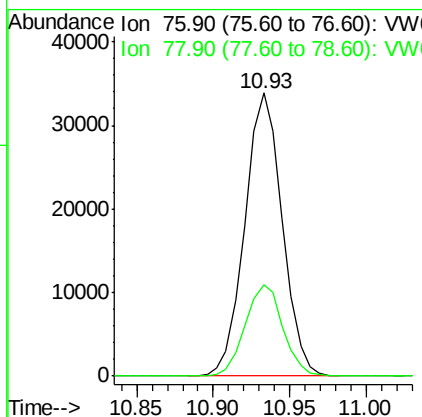
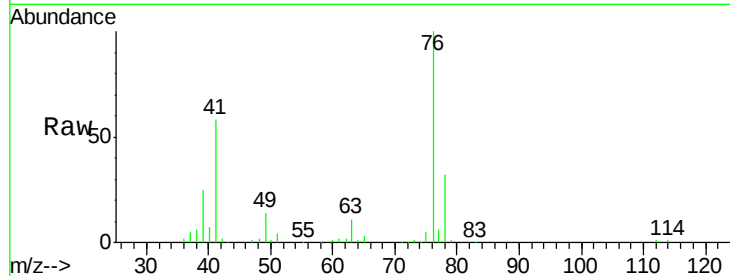




#57
 1,3-Dichloropropane
 Concen: 53.885 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

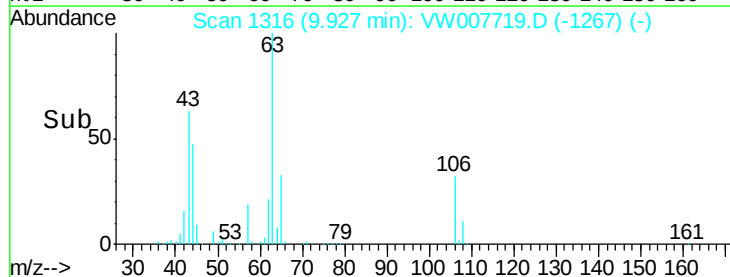
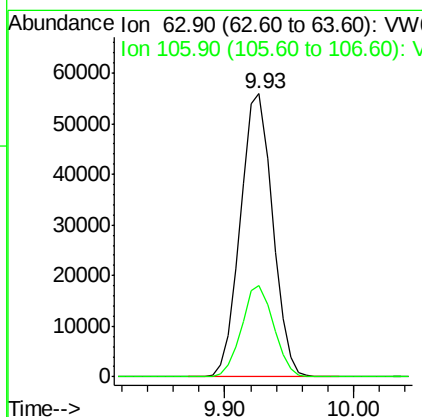
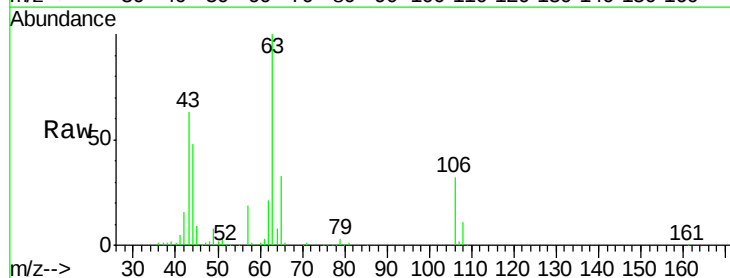
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

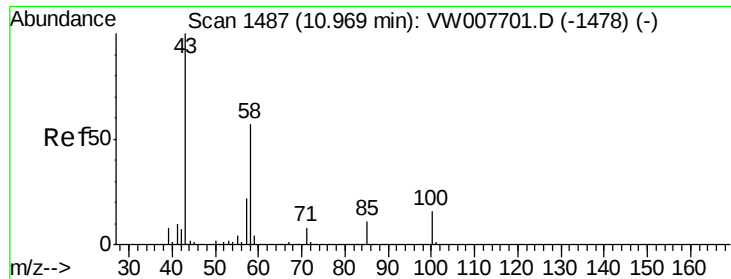
Tgt Ion: 76 Resp: 57531
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.734 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007719.D
 Acq: 19 Dec 2018 23:55

Tgt Ion: 63 Resp: 97022
 Ion Ratio Lower Upper
 63 100
 106 31.8 25.9 38.9





#59

2-Hexanone

Concen: 262.359 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

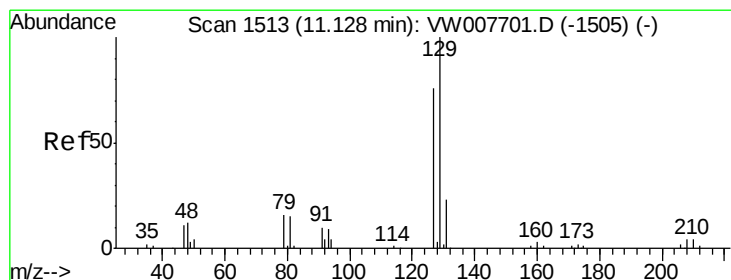
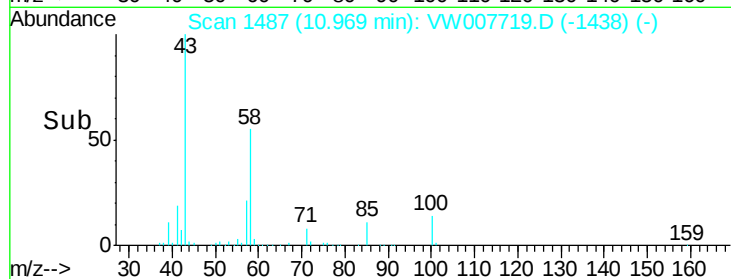
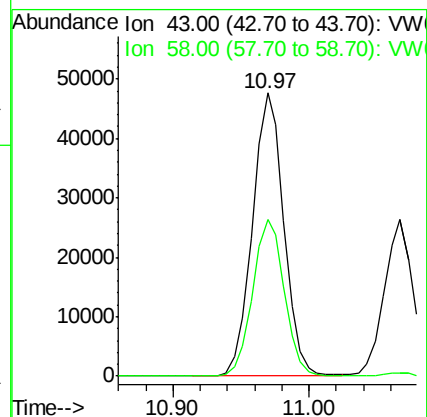
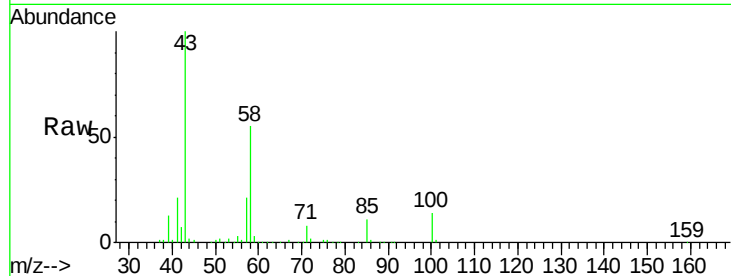
VSTDCCC050EC

Tgt Ion: 43 Resp: 77146

Ion Ratio Lower Upper

43 100

58 55.7 27.7 83.1



#60

Dibromochloromethane

Concen: 52.748 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007719.D

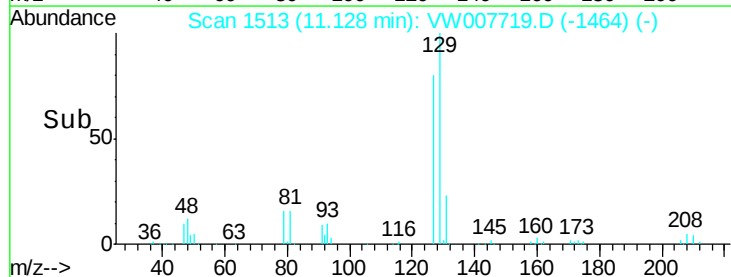
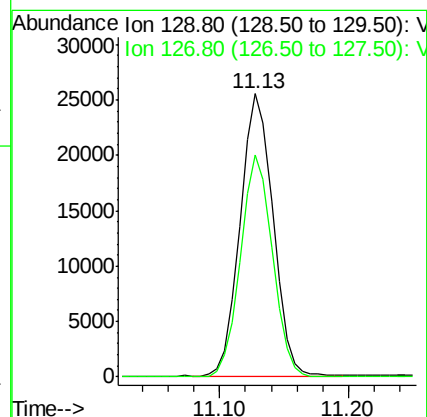
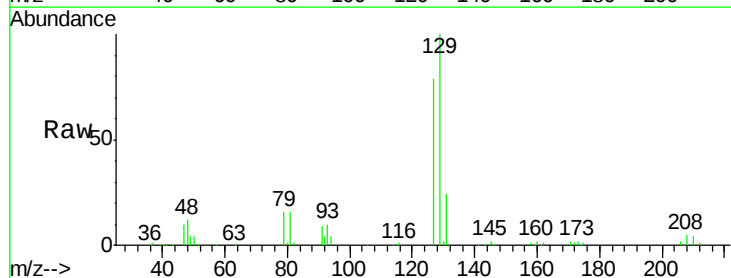
Acq: 19 Dec 2018 23:55

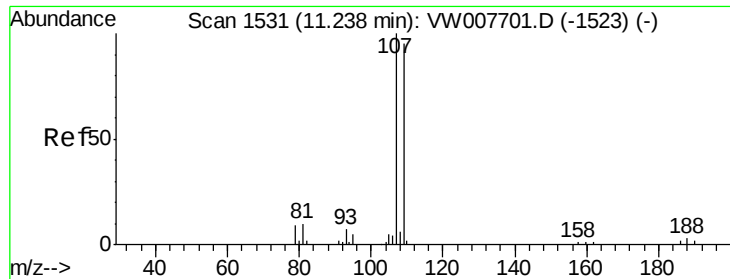
Tgt Ion: 129 Resp: 44905

Ion Ratio Lower Upper

129 100

127 76.8 38.3 114.9





#61

1,2-Dibromoethane

Concen: 52.335 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

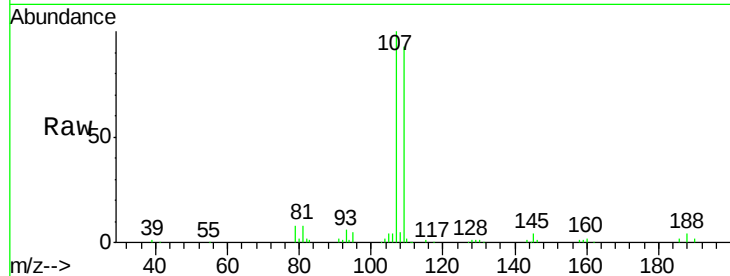
VSTDCCC050EC

Tgt Ion: 107 Resp: 34075

Ion Ratio Lower Upper

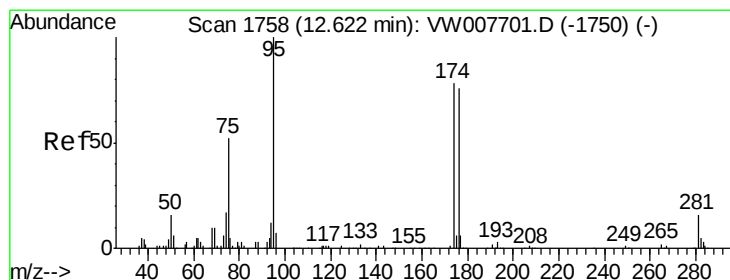
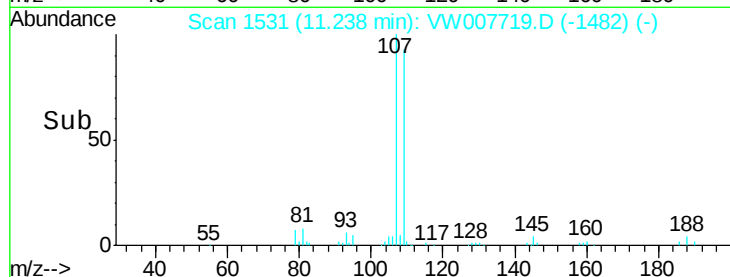
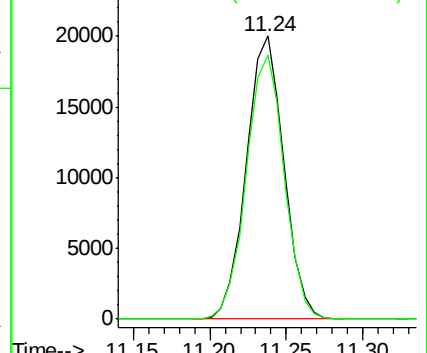
107 100

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: 54.111 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

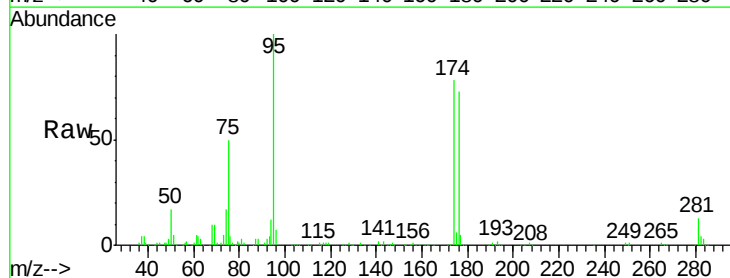
Tgt Ion: 95 Resp: 63735

Ion Ratio Lower Upper

95 100

174 77.1 0.0 152.2

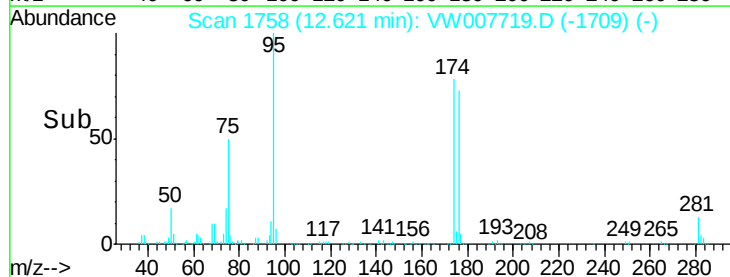
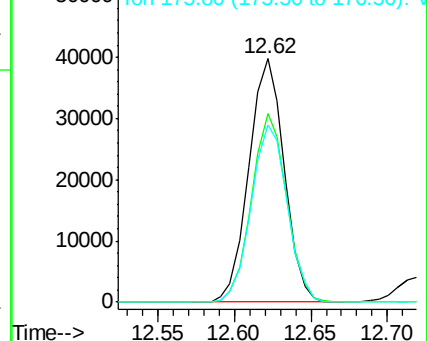
176 74.2 0.0 146.8

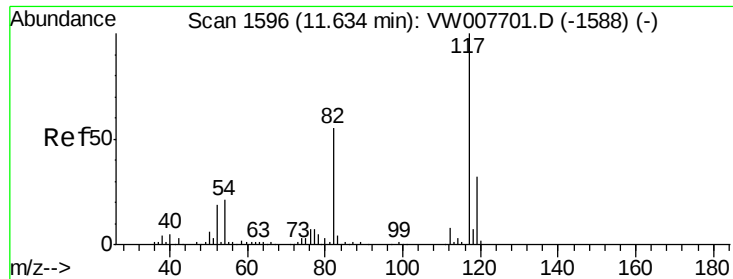


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

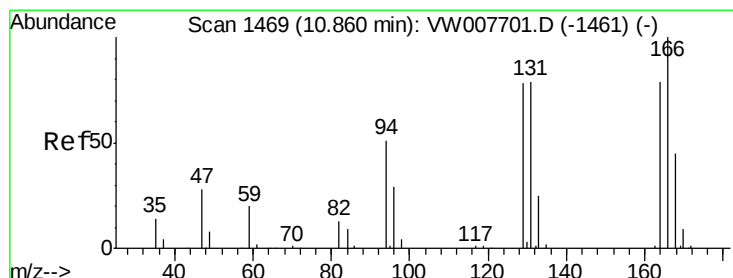
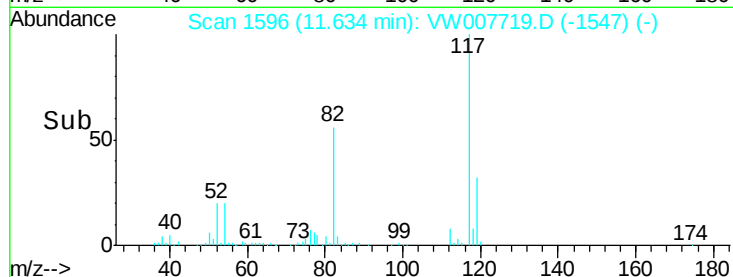
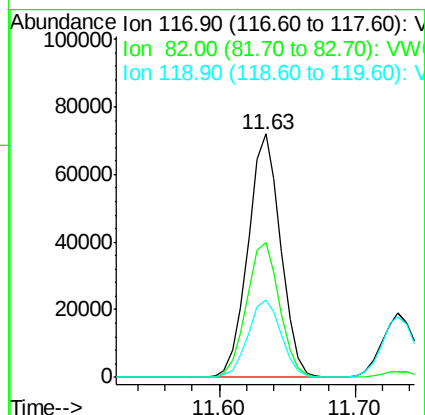
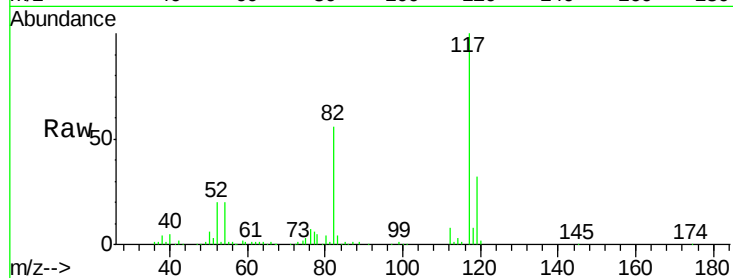




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

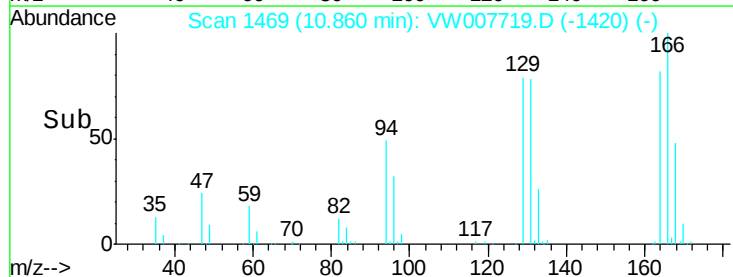
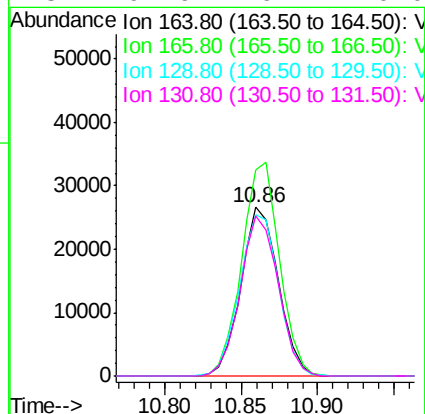
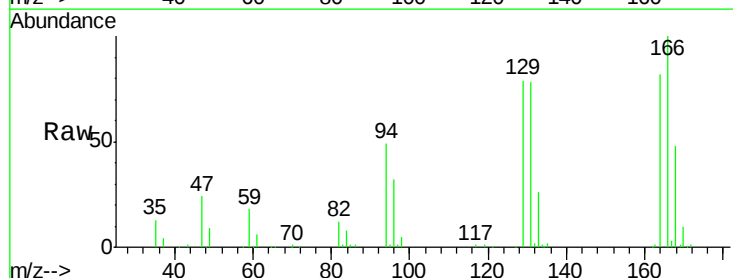
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

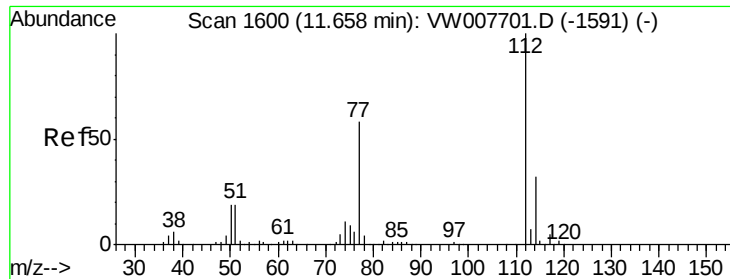
Tgt Ion:117 Resp: 120856
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 53.023 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion:164 Resp: 45378
Ion Ratio Lower Upper
164 100
166 122.0 101.0 151.6
129 95.9 78.7 118.1
131 94.6 79.4 119.0





#65

Chlorobenzene

Concen: 52.710 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

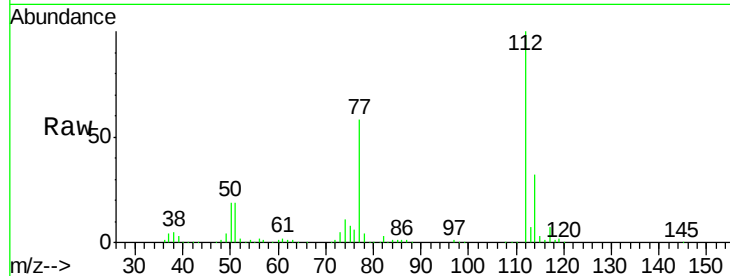
VSTDCCC050EC

Tgt Ion:112 Resp: 137881

Ion Ratio Lower Upper

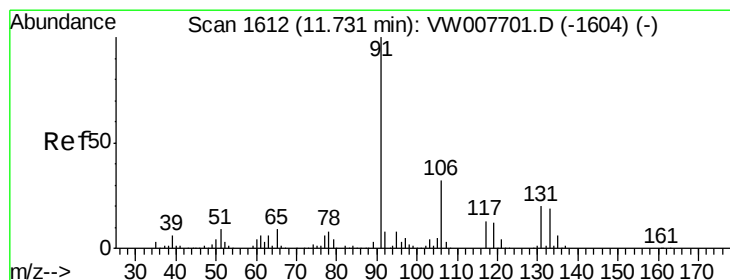
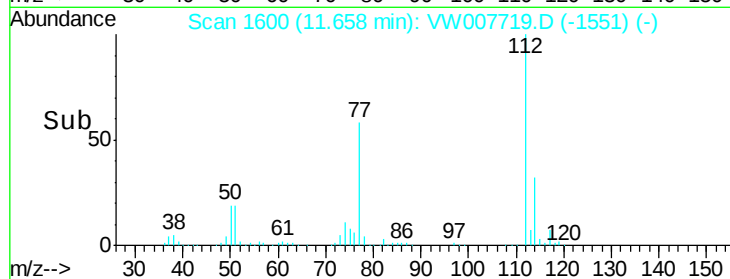
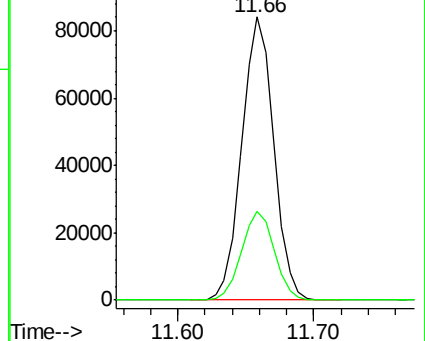
112 100

114 31.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.244 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

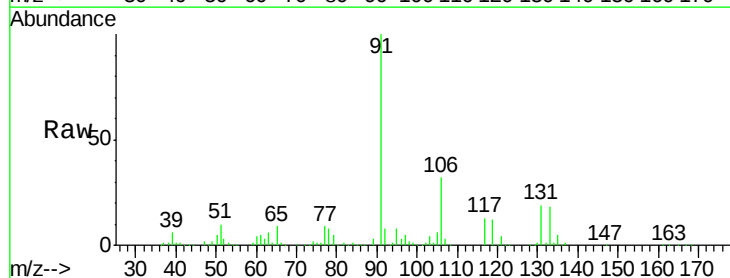
Tgt Ion:131 Resp: 48832

Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.5

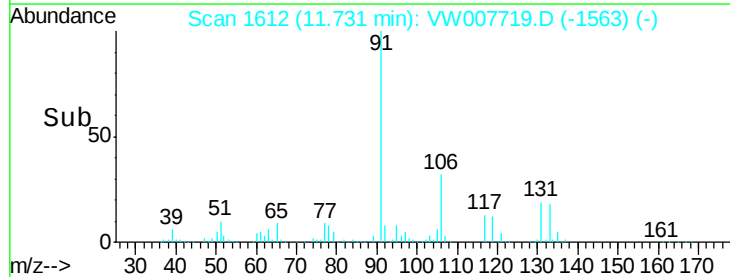
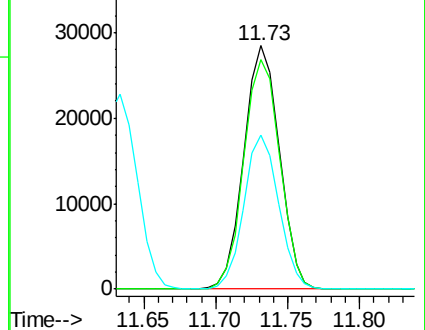
119 61.9 30.2 90.6

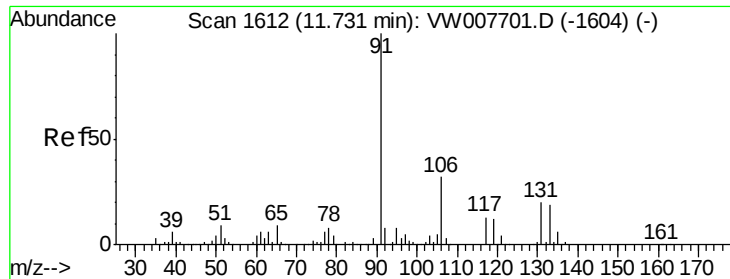


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

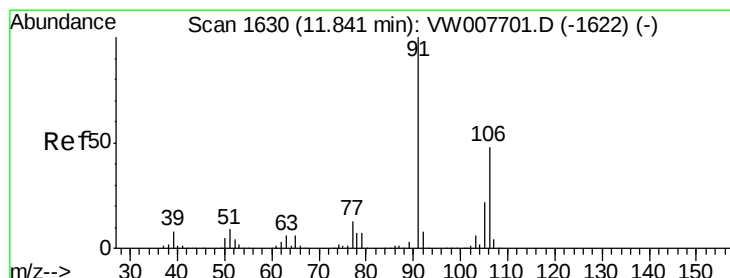
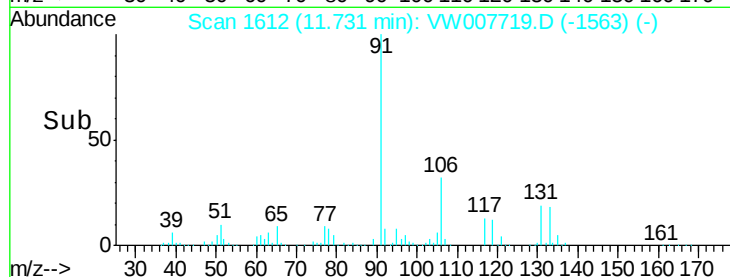
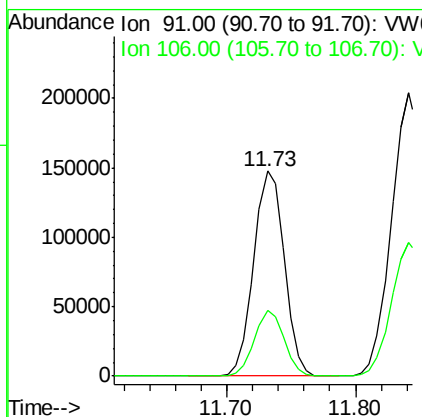
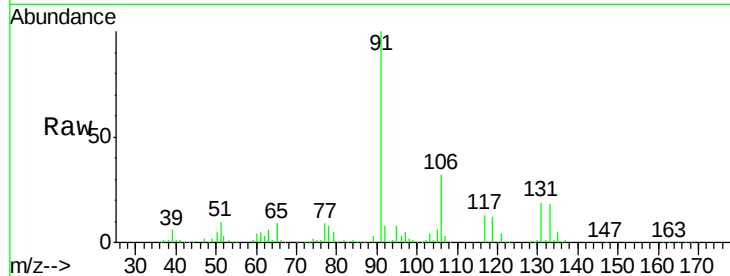




#67
Ethyl Benzene
Concen: 53.984 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

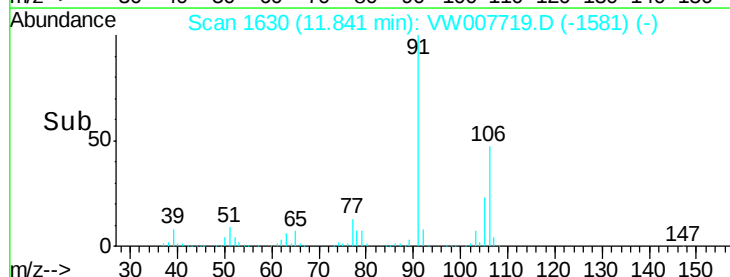
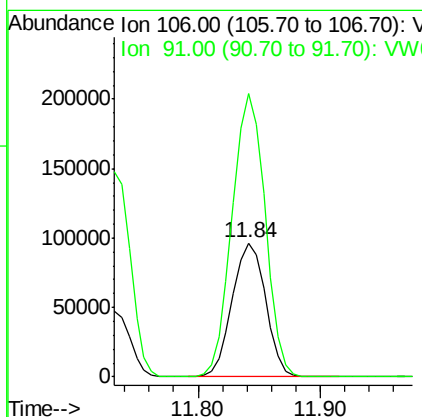
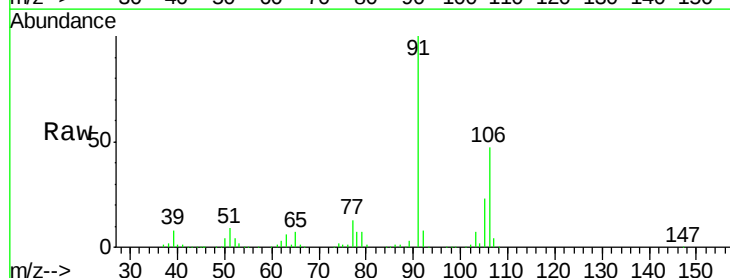
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 242321
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8



#68
m/p-Xylenes
Concen: 104.901 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 106 Resp: 182660
Ion Ratio Lower Upper
106 100
91 208.8 165.2 247.8

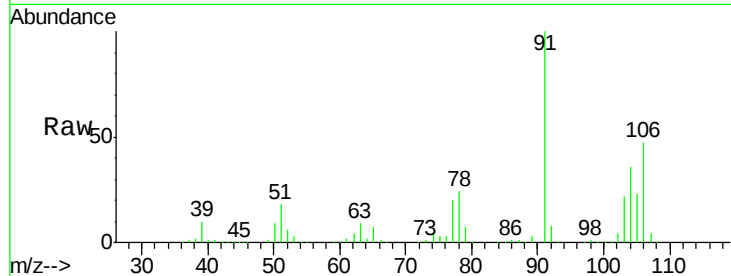




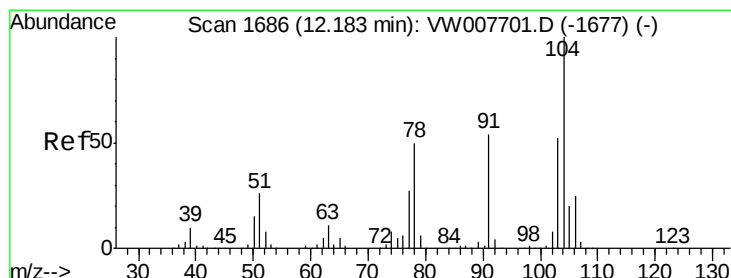
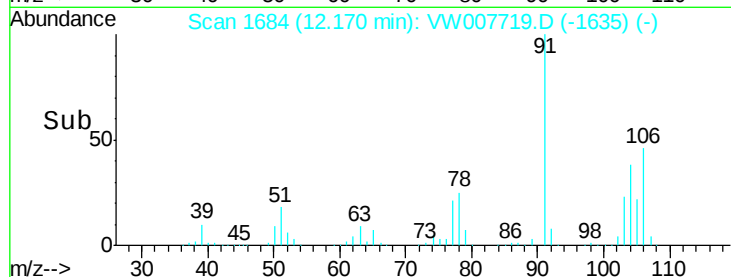
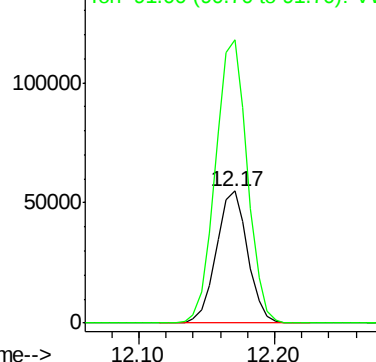
#69
o-Xylene
Concen: 54.318 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 88658
Ion Ratio Lower Upper
106 100
91 218.1 110.5 331.4

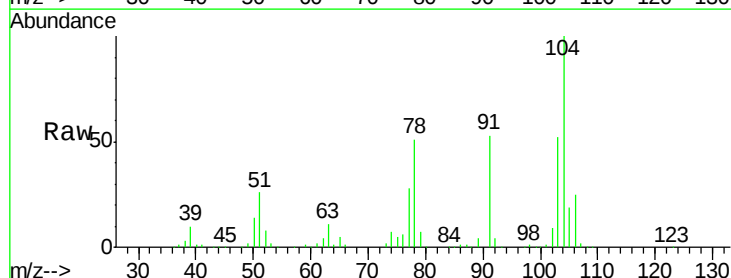


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV

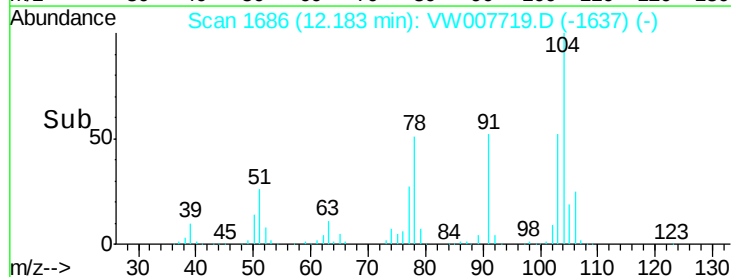
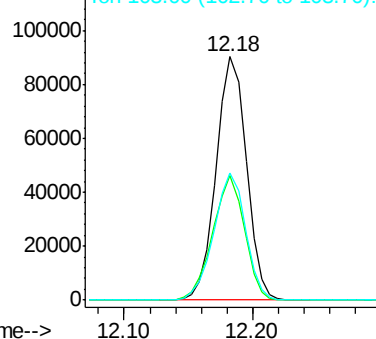


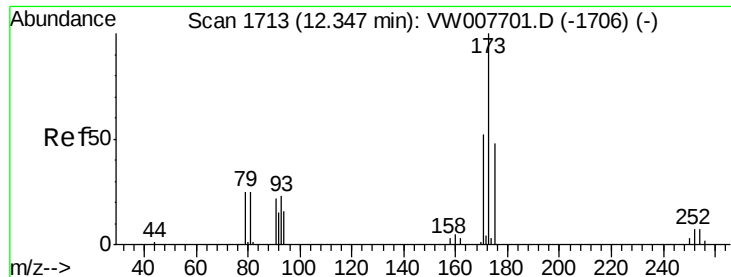
#70
Styrene
Concen: 54.580 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion:104 Resp: 146439
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 54.7 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.149 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

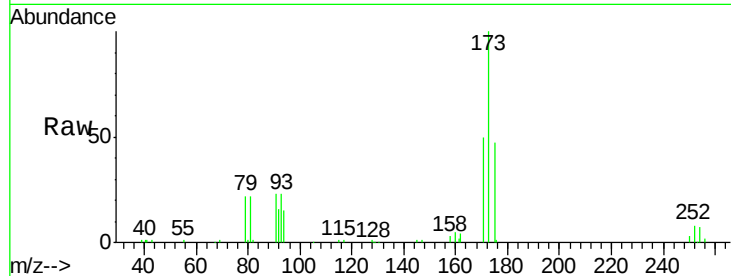
Tgt Ion:173 Resp: 24818

Ion Ratio Lower Upper

173 100

175 47.5 23.9 71.7

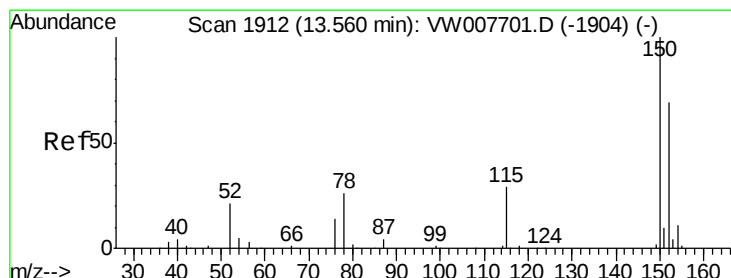
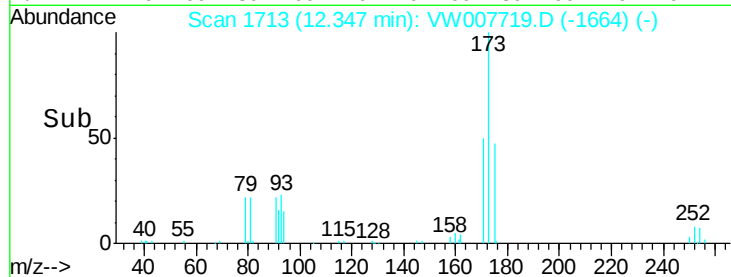
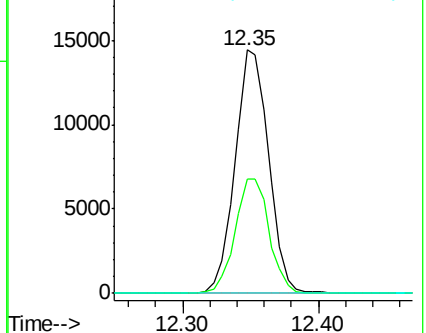
254 0.0 0.0 0.0



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: VW007719.D

Acq: 19 Dec 2018 23:55

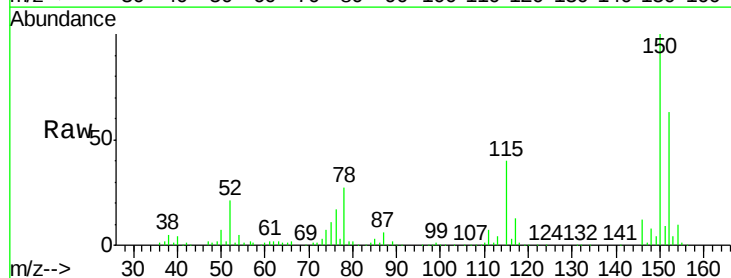
Tgt Ion:152 Resp: 60437

Ion Ratio Lower Upper

152 100

115 63.5 31.8 95.4

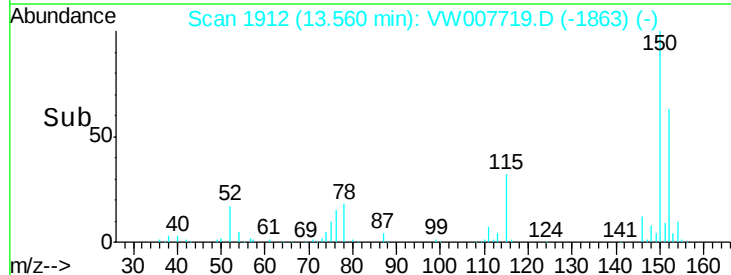
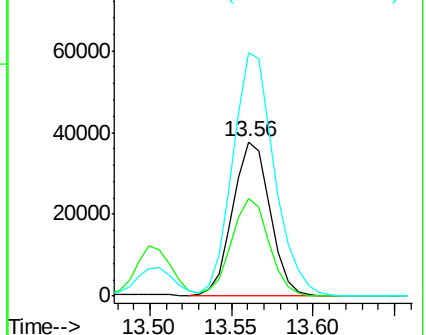
150 175.1 0.0 350.8

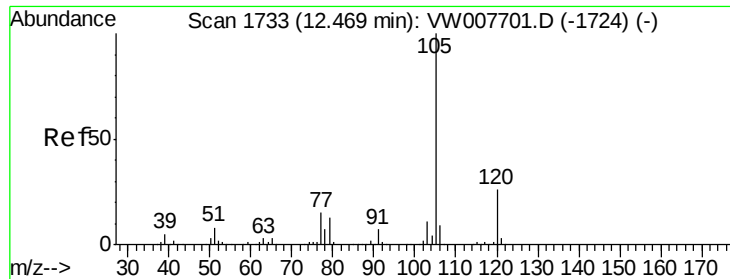


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.191 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

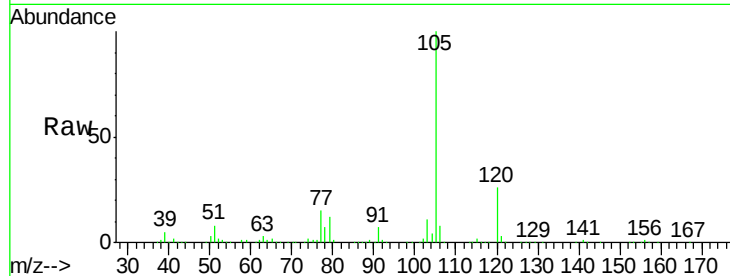
VSTDCCC050EC

Tgt Ion:105 Resp: 247563

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

150000

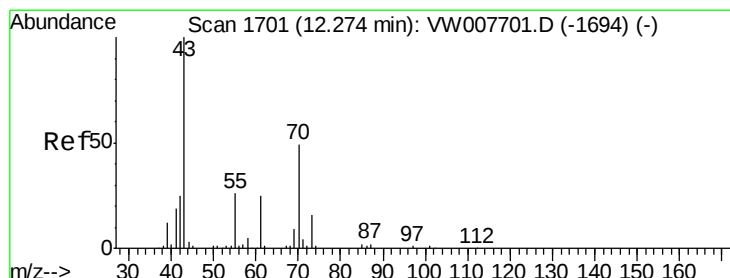
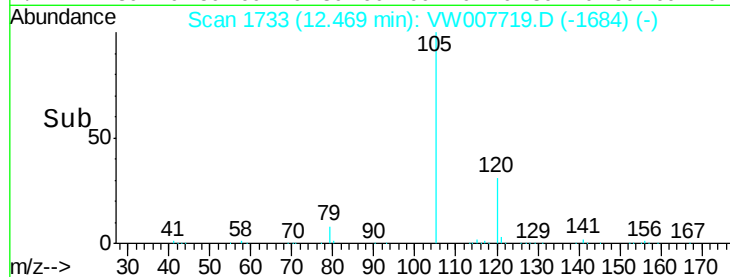
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 56.093 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Tgt Ion: 43 Resp: 44387

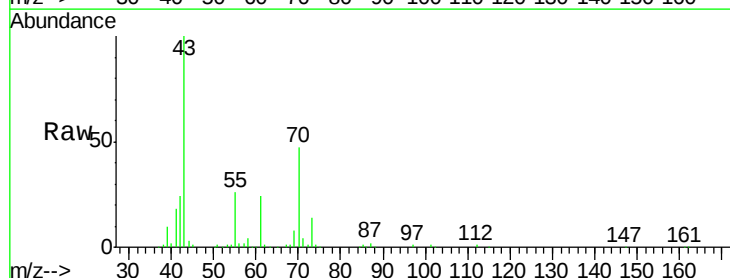
Ion Ratio Lower Upper

43 100

70 46.0 37.6 56.4

55 25.6 21.7 32.5

61 25.2 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

40000

30000

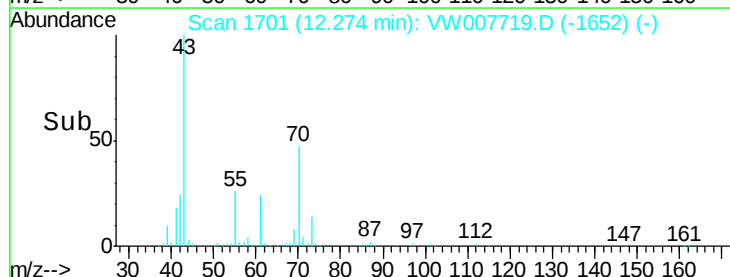
20000

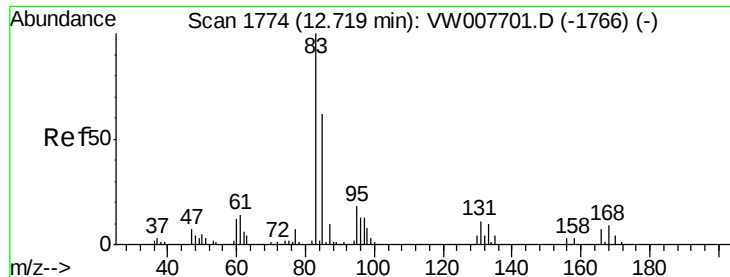
10000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 53.386 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

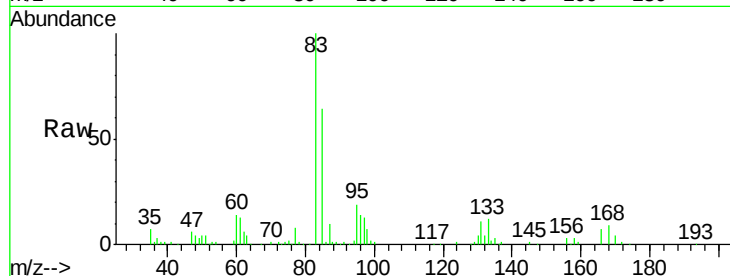
Tgt Ion: 83 Resp: 36567

Ion Ratio Lower Upper

83 100

131 12.3 6.3 18.8

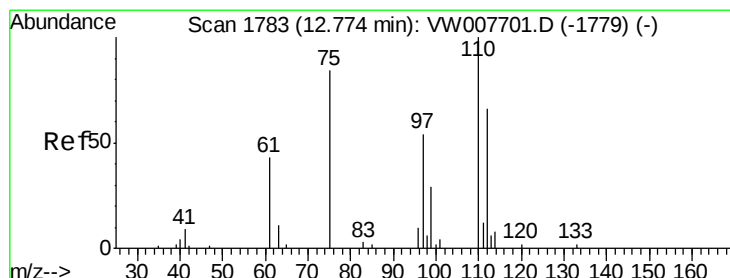
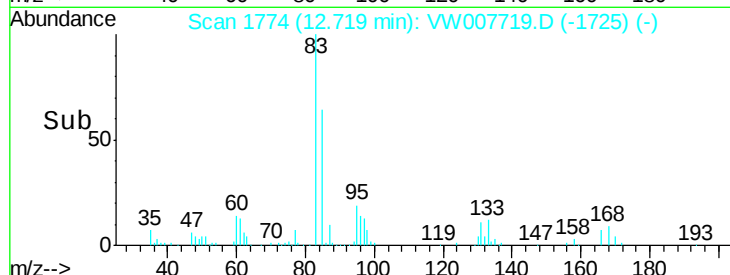
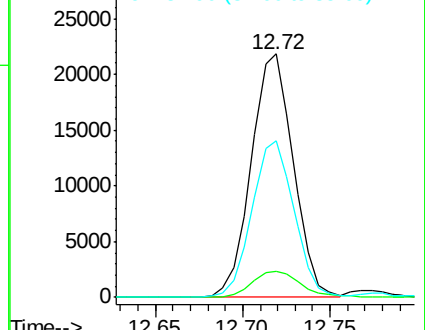
85 64.2 32.3 96.8



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: 109.580 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007719.D

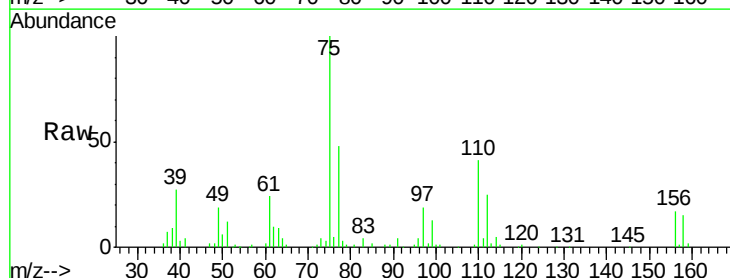
Acq: 19 Dec 2018 23:55

Tgt Ion: 75 Resp: 51187

Ion Ratio Lower Upper

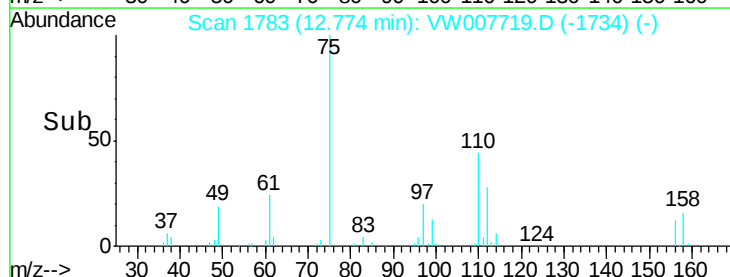
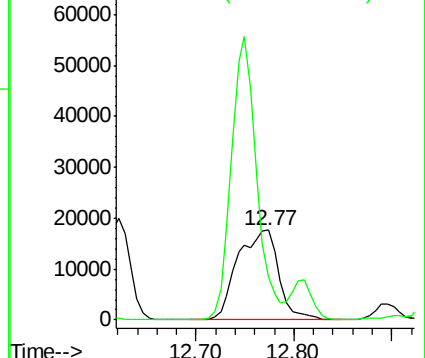
75 100

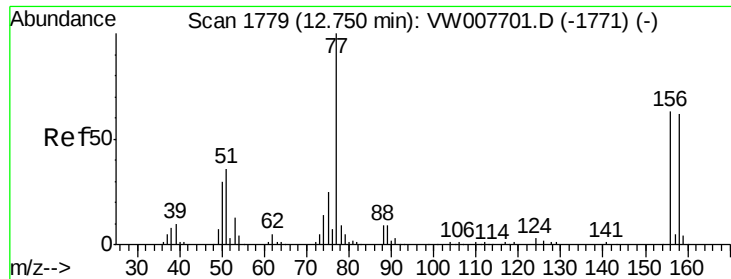
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.247 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

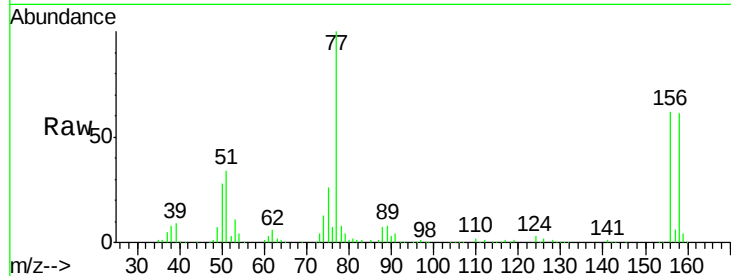
Tgt Ion:156 Resp: 55747

Ion Ratio Lower Upper

156 100

77 179.2 87.4 262.1

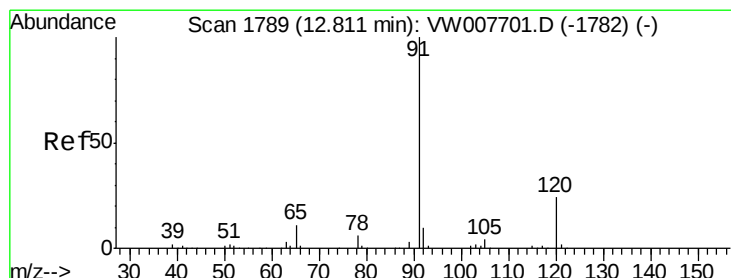
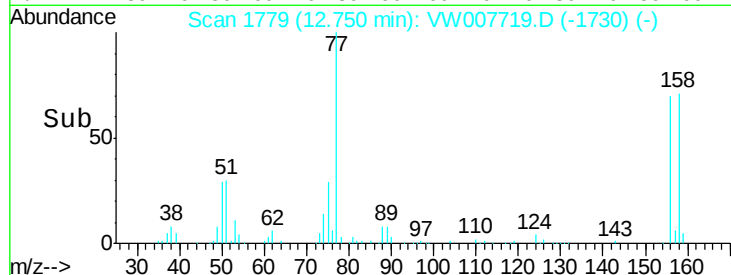
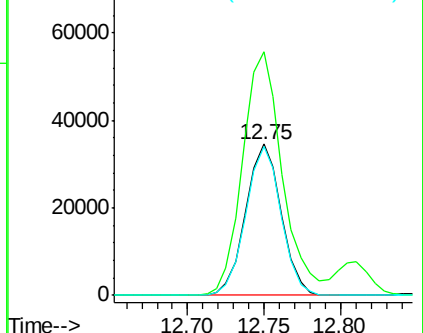
158 97.7 48.4 145.0



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: 53.714 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007719.D

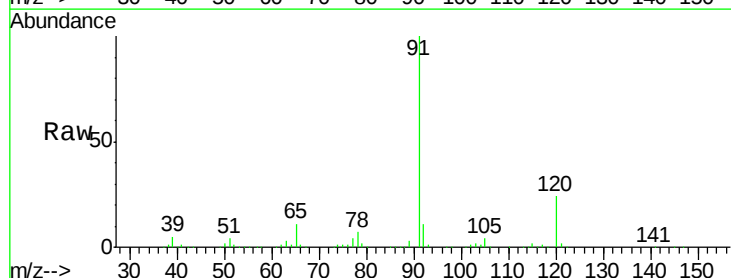
Acq: 19 Dec 2018 23:55

Tgt Ion: 91 Resp: 285643

Ion Ratio Lower Upper

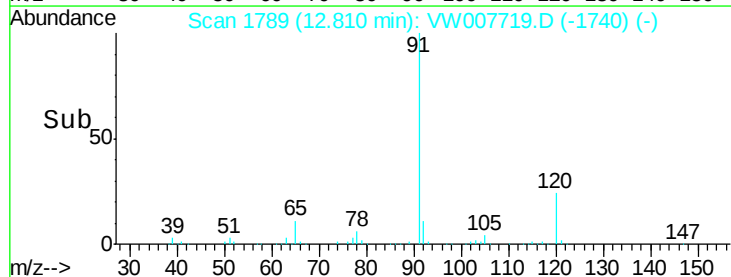
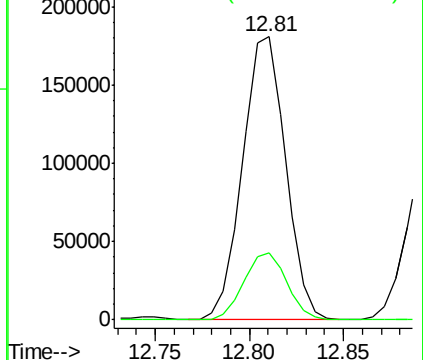
91 100

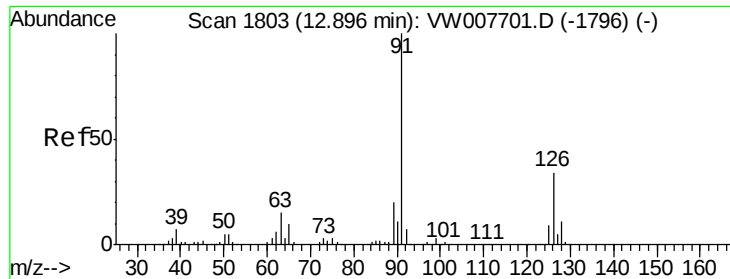
120 23.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

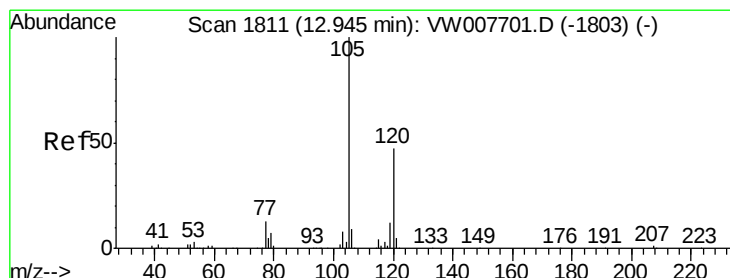
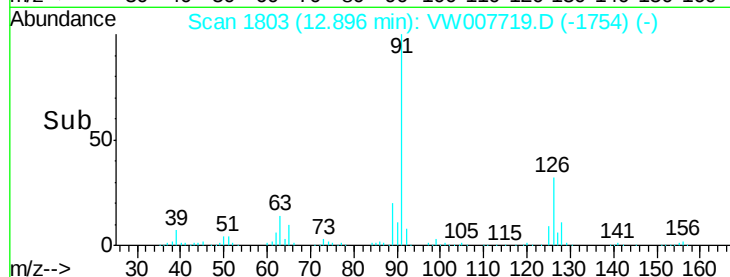
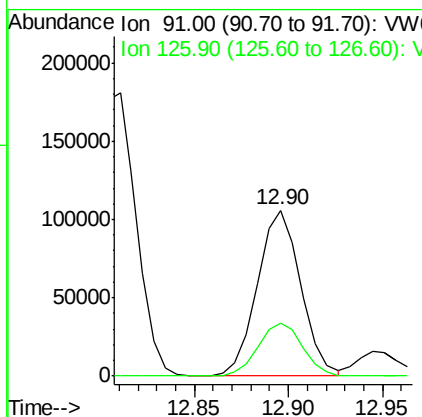
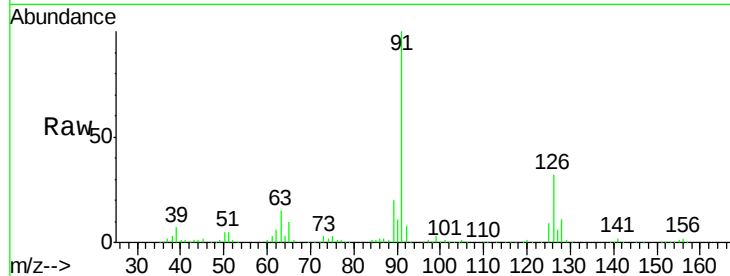




#79
2-Chlorotoluene
Concen: 54.318 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

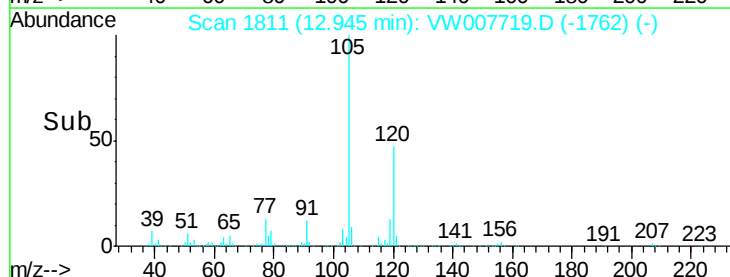
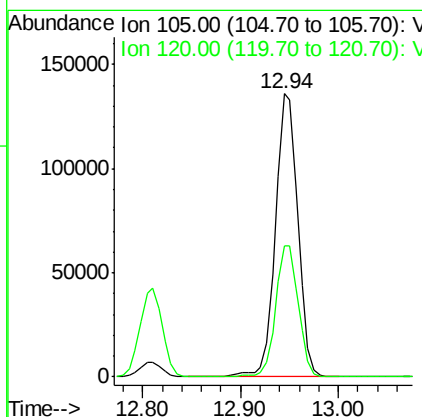
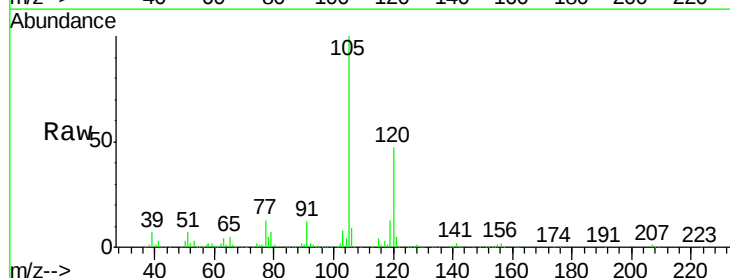
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

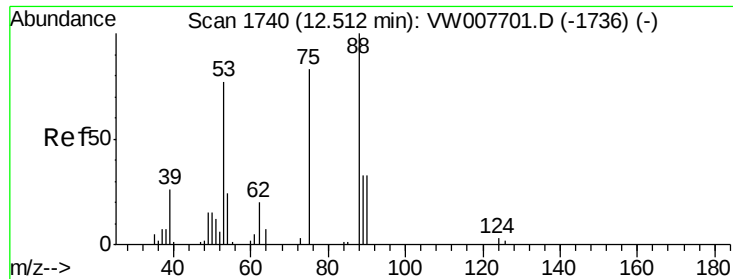
Tgt Ion: 91 Resp: 168273
Ion Ratio Lower Upper
91 100
126 32.9 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 55.257 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 105 Resp: 217743
Ion Ratio Lower Upper
105 100
120 47.1 23.6 70.8

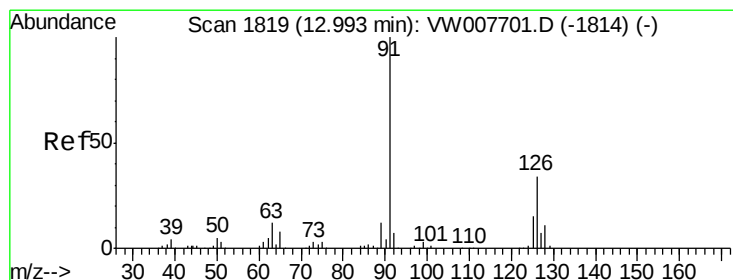
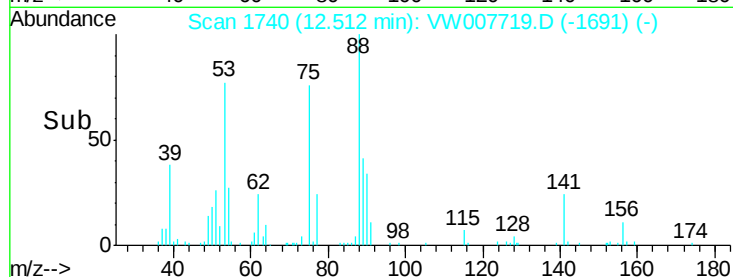
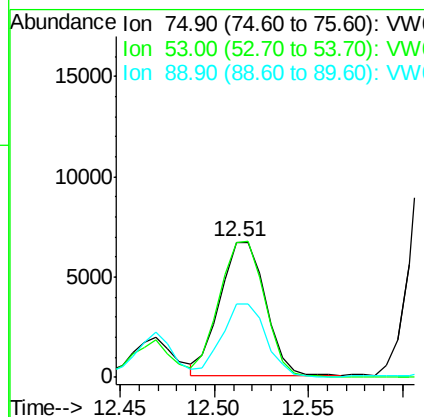
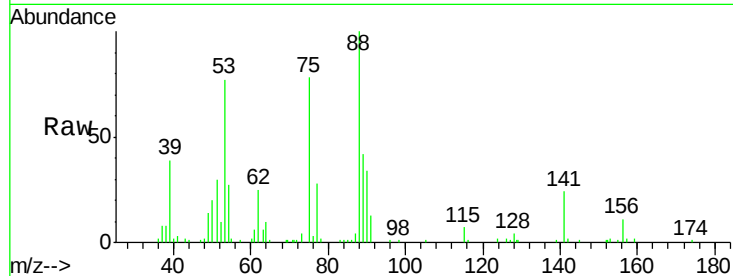




#81
trans-1,4-Dichloro-2-butene
Concen: 50.562 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

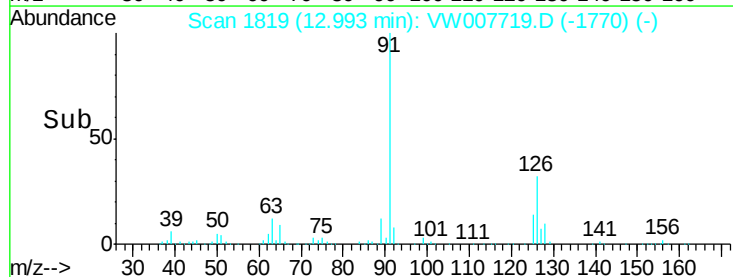
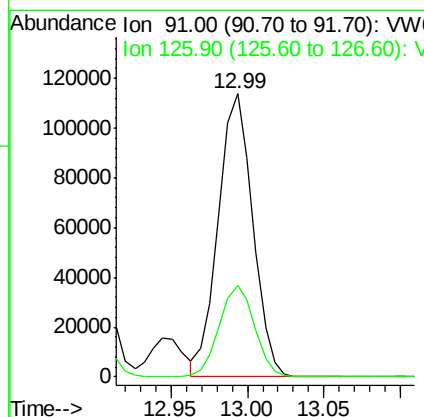
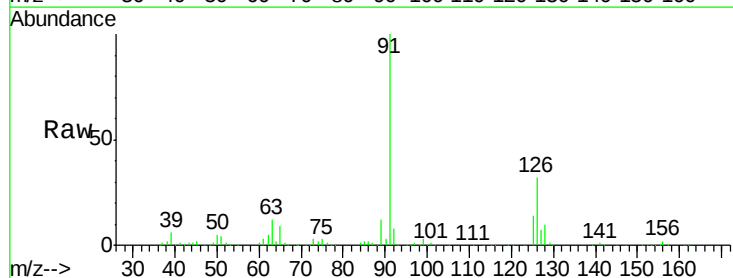
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

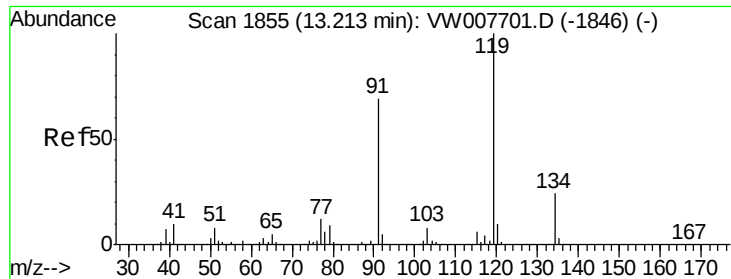
Tgt Ion: 75 Resp: 11252
Ion Ratio Lower Upper
75 100
53 101.6 80.2 120.2
89 54.0 39.2 58.8



#82
4-Chlorotoluene
Concen: 53.965 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion: 91 Resp: 178006
Ion Ratio Lower Upper
91 100
126 33.1 16.5 49.5





#83

tert-Butylbenzene

Concen: 53.708 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

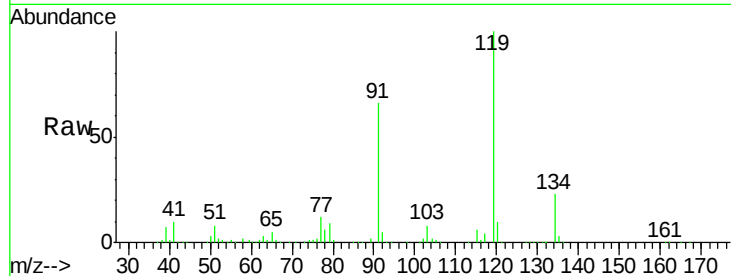
Tgt Ion:119 Resp: 185695

Ion Ratio Lower Upper

119 100

91 67.2 34.2 102.5

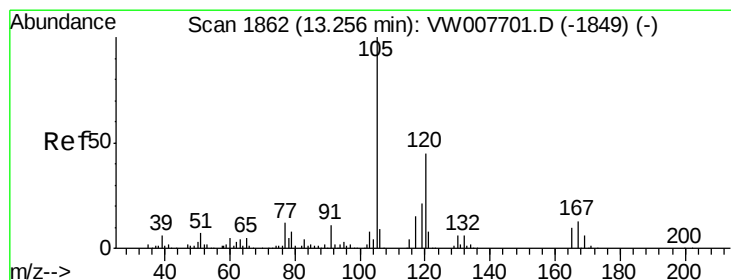
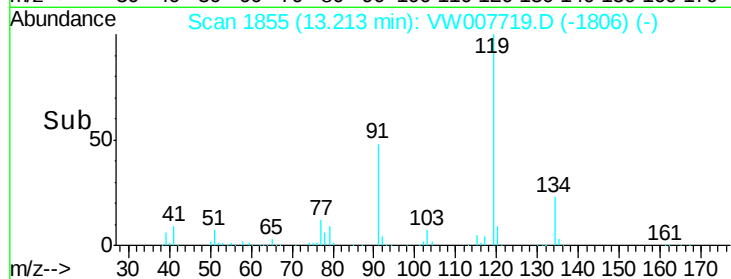
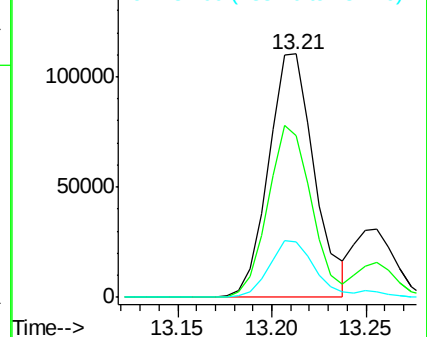
134 23.2 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 57.288 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007719.D

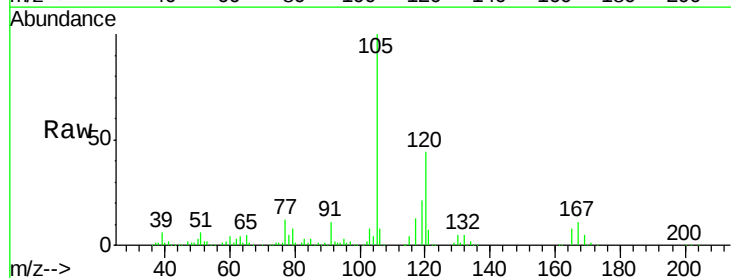
Acq: 19 Dec 2018 23:55

Tgt Ion:105 Resp: 227790

Ion Ratio Lower Upper

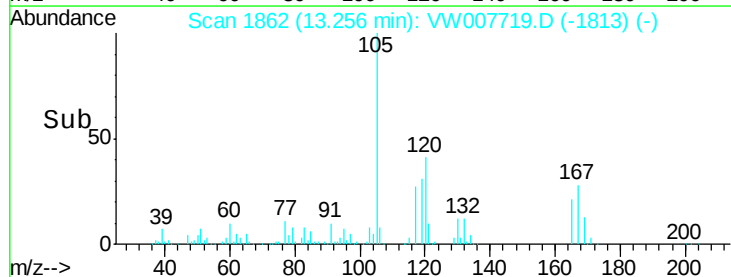
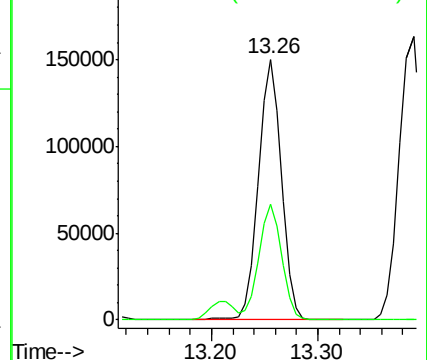
105 100

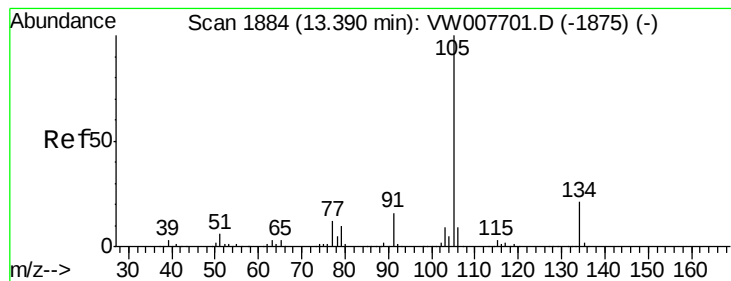
120 44.5 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.237 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

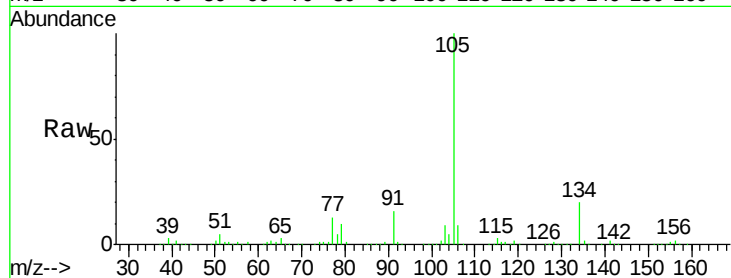
VSTDCCC050EC

Tgt Ion:105 Resp: 253679

Ion Ratio Lower Upper

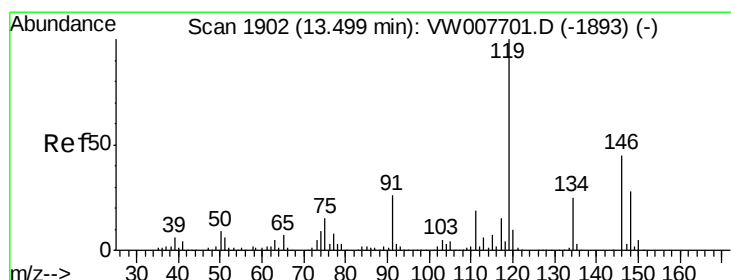
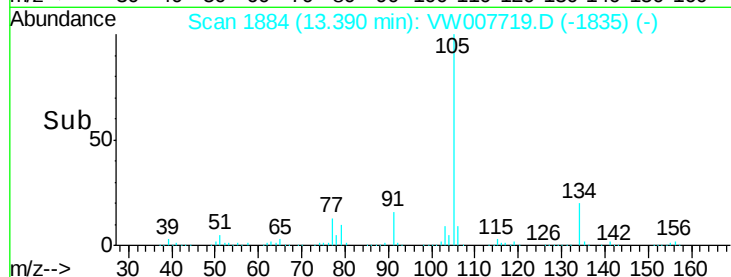
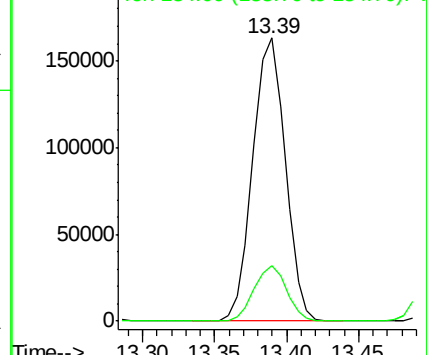
105 100

134 19.7 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.816 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

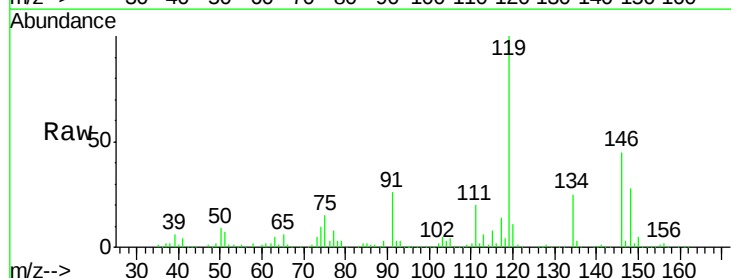
Tgt Ion:119 Resp: 228849

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

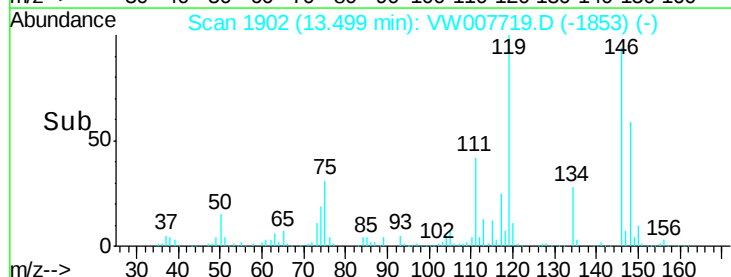
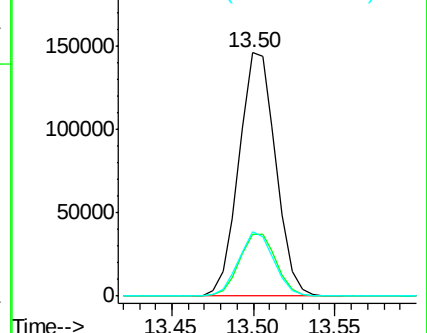
91 25.2 12.8 38.4

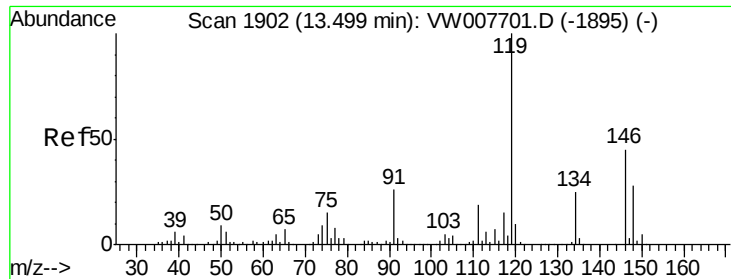


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.911 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.01 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

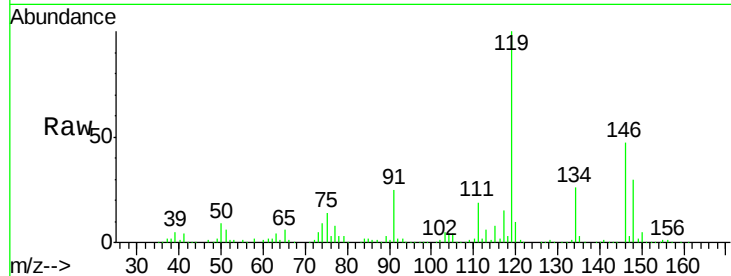
Tgt Ion:146 Resp: 109986

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.4

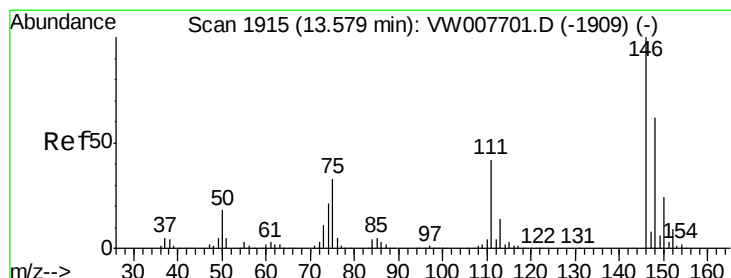
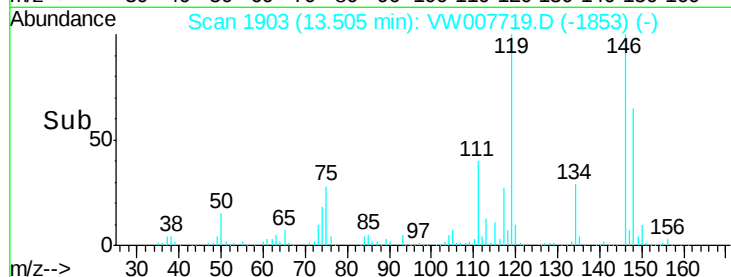
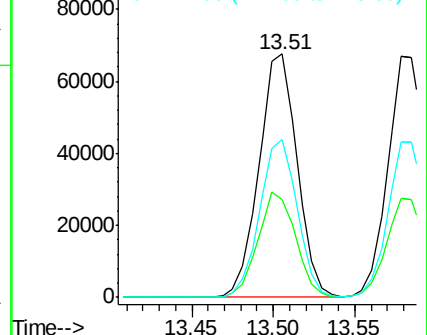
148 63.6 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 52.684 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

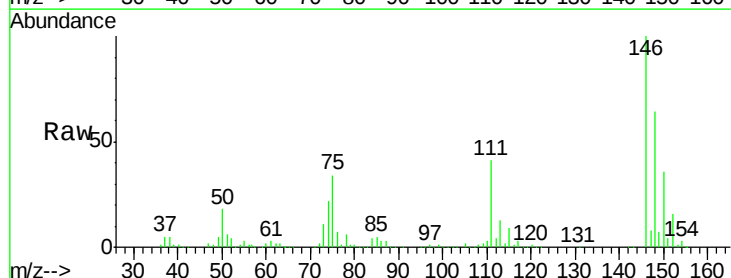
Tgt Ion:146 Resp: 109546

Ion Ratio Lower Upper

146 100

111 40.9 21.0 63.0

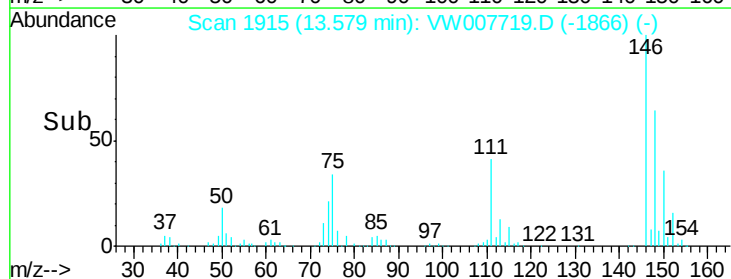
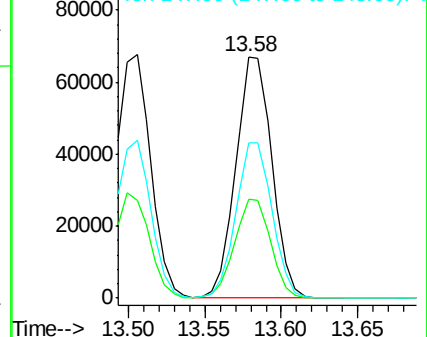
148 64.5 31.8 95.4

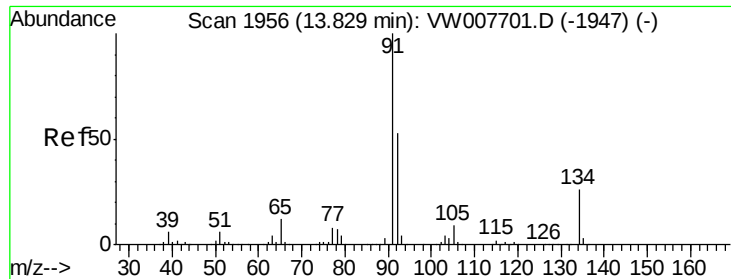


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.340 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

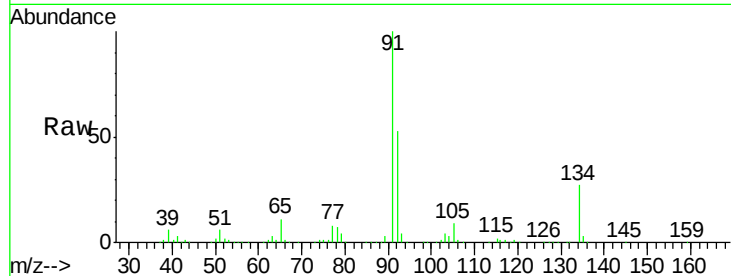
Tgt Ion: 91 Resp: 207934

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.2

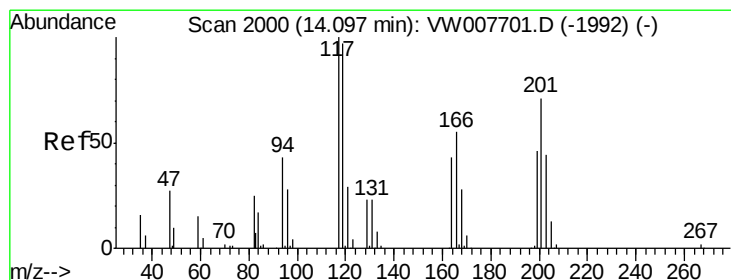
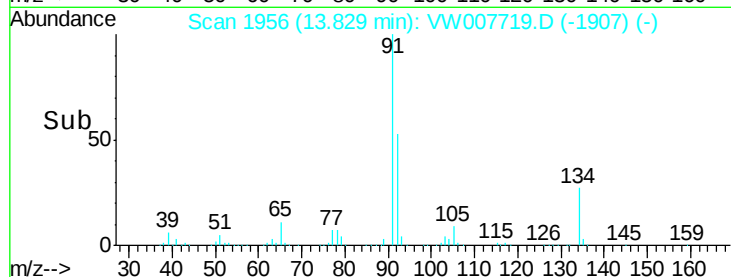
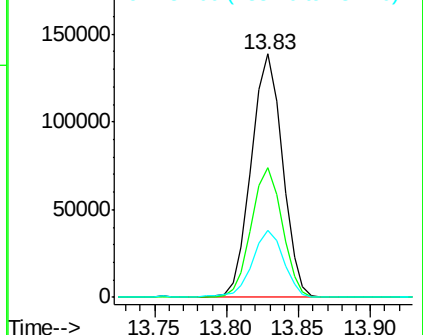
134 27.9 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 51.741 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007719.D

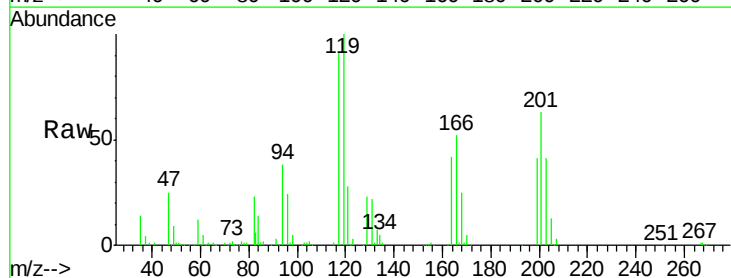
Acq: 19 Dec 2018 23:55

Tgt Ion: 117 Resp: 39359

Ion Ratio Lower Upper

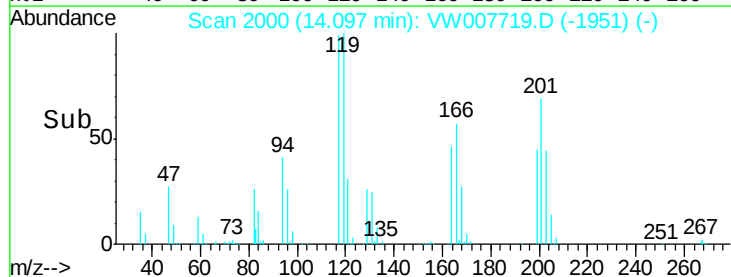
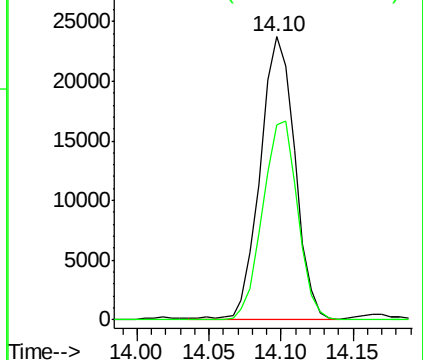
117 100

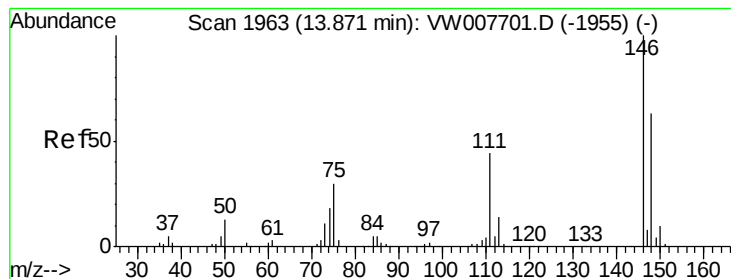
201 71.2 36.2 108.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 53.304 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

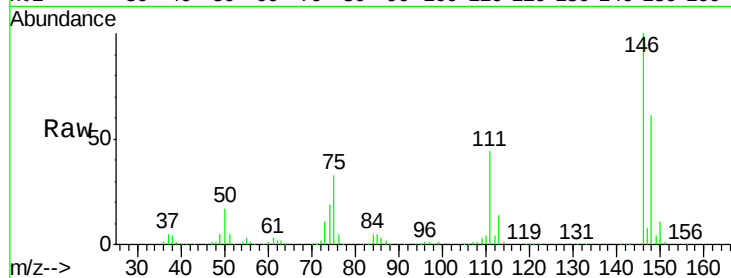
Tgt Ion:146 Resp: 99207

Ion Ratio Lower Upper

146 100

111 44.3 21.7 65.1

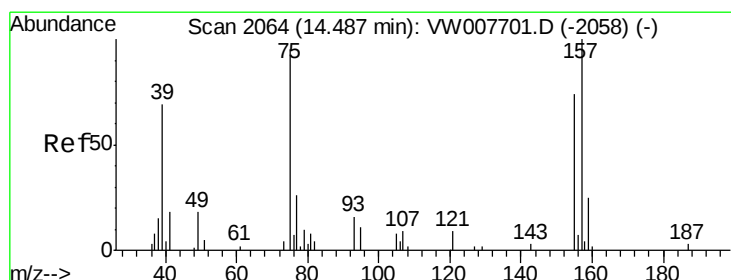
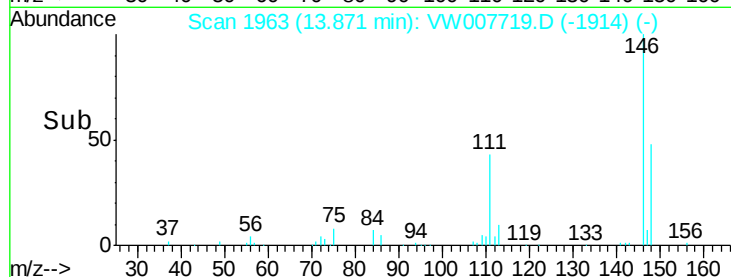
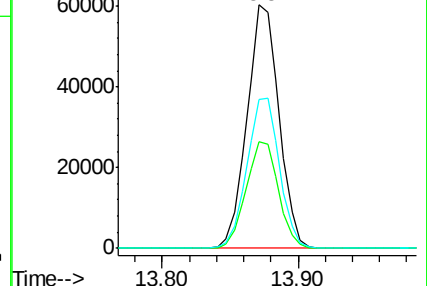
148 62.8 32.1 96.5



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: 51.548 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW007719.D

Acq: 19 Dec 2018 23:55

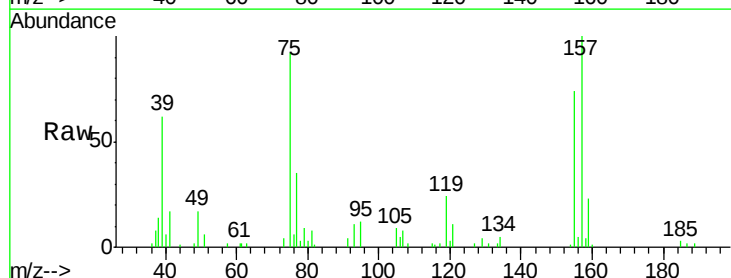
Tgt Ion: 75 Resp: 7251

Ion Ratio Lower Upper

75 100

155 80.4 39.4 118.1

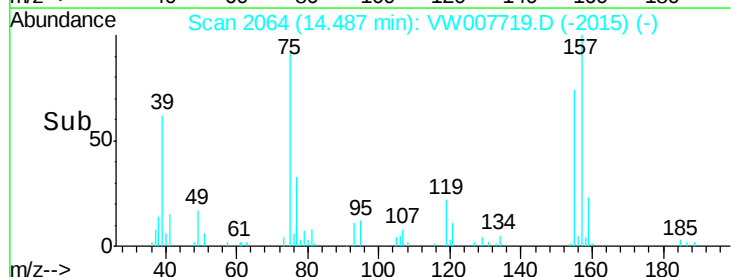
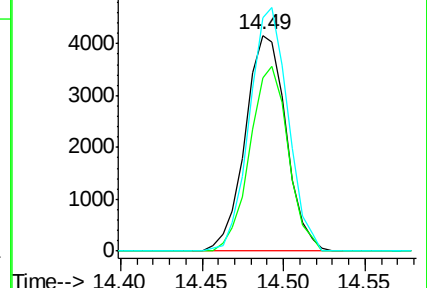
157 106.3 52.0 156.0

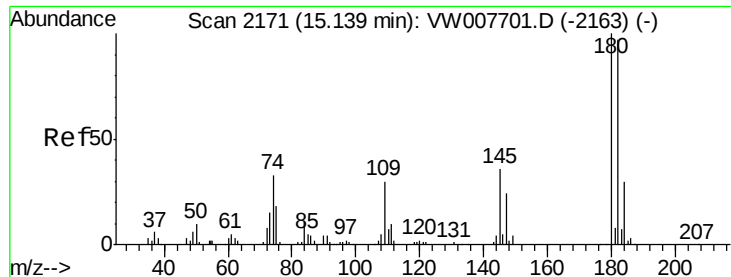


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

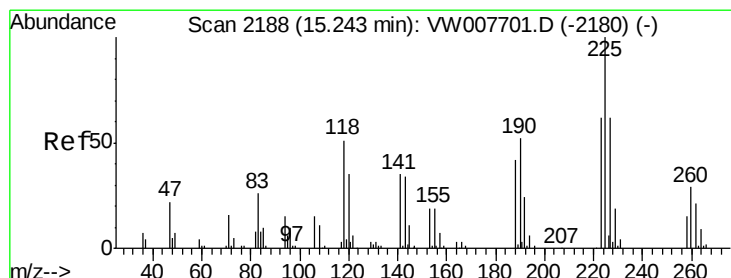
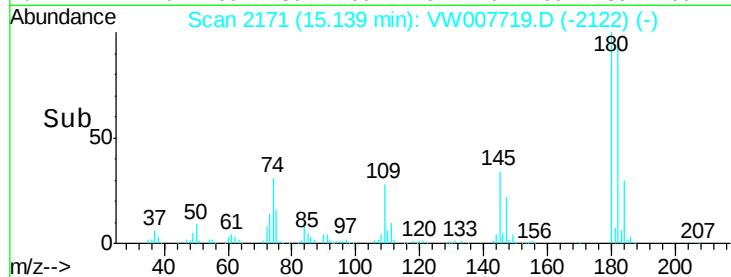
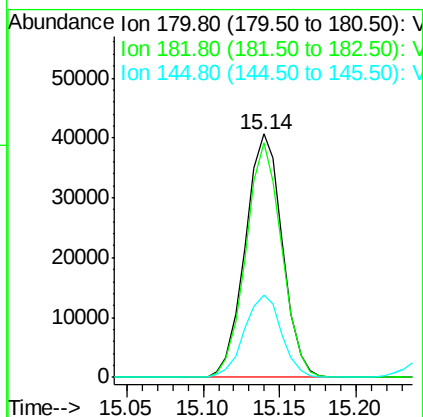
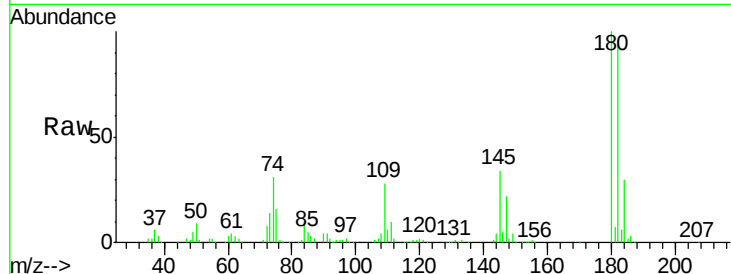




#93
1,2,4-Trichlorobenzene
Concen: 52.999 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

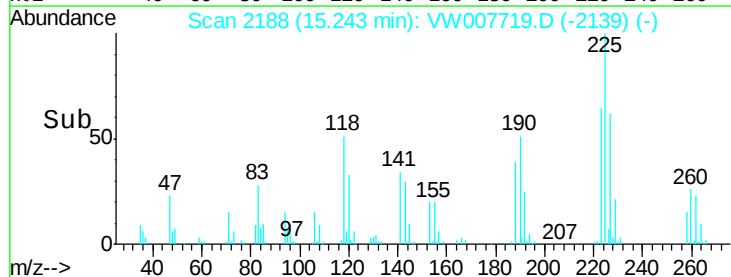
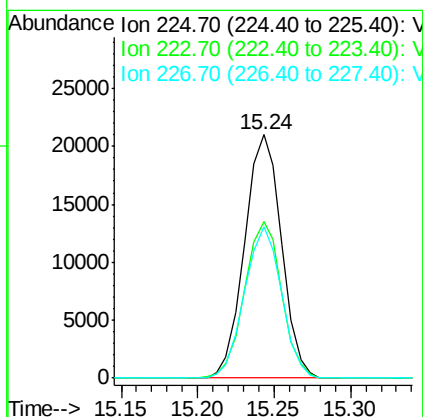
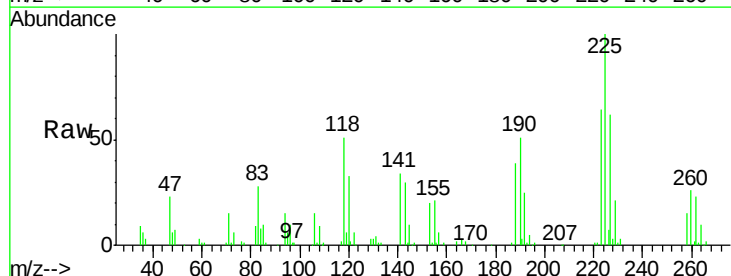
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 68470
Ion Ratio Lower Upper
180 100
182 93.4 47.5 142.6
145 34.2 17.5 52.5



#94
Hexachlorobutadiene
Concen: 51.070 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion:225 Resp: 35260
Ion Ratio Lower Upper
225 100
223 64.6 31.6 94.8
227 62.3 32.1 96.3

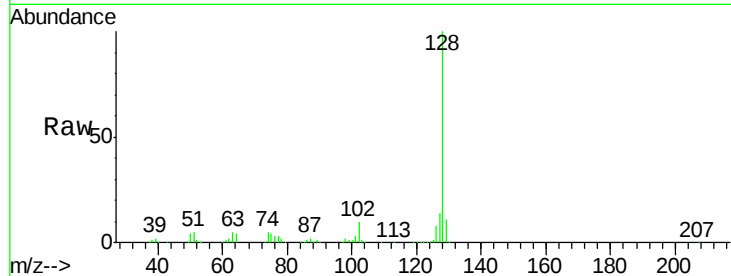




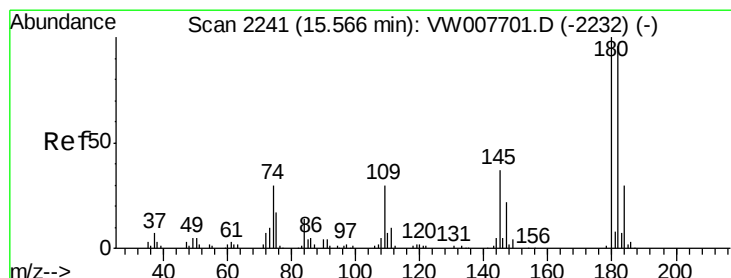
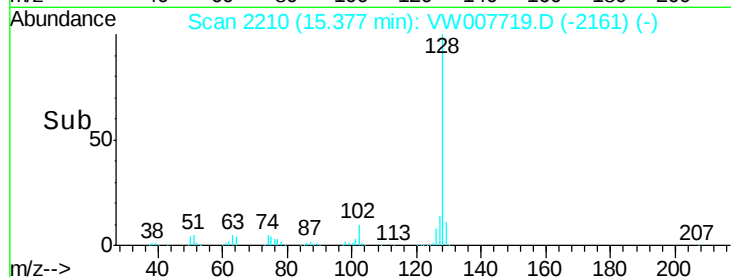
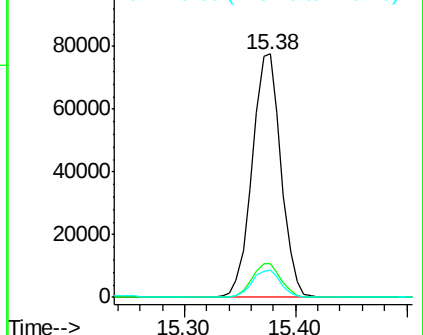
#95
Naphthalene
Concen: 58.662 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 140116
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 11.3 8.8 13.2

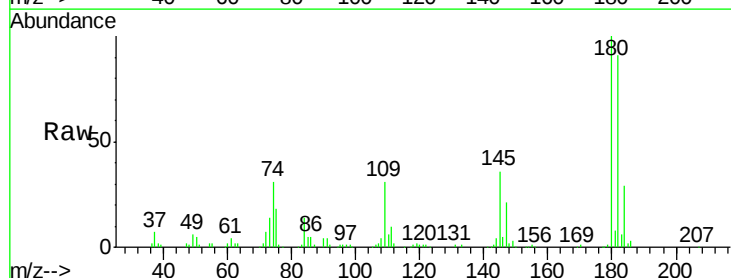


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 53.375 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW007719.D
Acq: 19 Dec 2018 23:55

Tgt Ion:180 Resp: 59027
Ion Ratio Lower Upper
180 100
182 94.8 47.4 142.2
145 37.2 18.4 55.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

