

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121518\
 Data File : VW007471.D
 Acq On : 13 Dec 2018 06:32
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 13 07:26:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	77218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	132659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43161	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	7.88	113	40658	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.32	98	151516	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.62	95	58791	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22777	42.211	ug/l	98
3) Chloromethane	2.22	50	20181	44.656	ug/l	97
4) Vinyl Chloride	2.37	62	25175	47.469	ug/l	97
5) Bromomethane	2.78	94	18109	50.821	ug/l	96
6) Chloroethane	2.93	64	15525	53.180	ug/l	94
7) Trichlorofluoromethane	3.26	101	22417	47.015	ug/l	95
8) Diethyl Ether	3.68	74	19172	51.374	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37134	47.200	ug/l	99
10) Methyl Iodide	4.26	142	67384	51.714	ug/l	100
11) Tert butyl alcohol	5.17	59	14776	251.142	ug/l	96
12) 1,1-Dichloroethene	4.03	96	37176	49.078	ug/l	99
13) Acrolein	3.89	56	10957	281.448	ug/l	99
14) Allyl chloride	4.67	41	54806	49.085	ug/l	99
15) Acrylonitrile	5.37	53	40884	259.880	ug/l	99
16) Acetone	4.12	43	36299	242.583	ug/l	94
17) Carbon Disulfide	4.37	76	109700	47.763	ug/l	98
18) Methyl Acetate	4.67	43	20895	51.450	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	62172	54.407	ug/l	99
20) Methylene Chloride	4.92	84	43508	53.439	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	42230	49.837	ug/l	98
22) Diisopropyl ether	6.31	45	112601	52.466	ug/l	97
23) Vinyl Acetate	6.26	43	315042	262.442	ug/l	99
24) 1,1-Dichloroethane	6.21	63	74504	51.364	ug/l	99
25) 2-Butanone	7.16	43	50740	259.740	ug/l	98
26) 2,2-Dichloropropane	7.16	77	45081	46.960	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	47261	50.937	ug/l	99
28) Bromochloromethane	7.51	49	26148	47.925	ug/l	99
29) Tetrahydrofuran	7.52	42	32219	260.526	ug/l	96
30) Chloroform	7.68	83	81251	51.473	ug/l	97
31) Cyclohexane	7.95	56	58554	43.998	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	68856	49.743	ug/l	99
36) 1,1-Dichloropropene	8.08	75	58933	48.698	ug/l	98
37) Ethyl Acetate	7.25	43	23386	51.957	ug/l	97
38) Carbon Tetrachloride	8.07	117	64657	49.103	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	69705	47.568	ug/l	92
40) Benzene	8.32	78	169181	50.375	ug/l	99
41) Methacrylonitrile	7.48	41	11791	46.002	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	54592	51.747	ug/l	100
43) Isopropyl Acetate	8.43	43	46182	51.943	ug/l	99
44) Trichloroethene	9.09	130	48351	50.417	ug/l	97
45) 1,2-Dichloropropane	9.37	63	40833	52.540	ug/l	96
46) Dibromomethane	9.46	93	23187	52.537	ug/l	98
47) Bromodichloromethane	9.64	83	60099	51.914	ug/l	96
48) Methyl methacrylate	9.44	41	23382	51.207	ug/l	97
49) 1,4-Dioxane	9.45	88	8129	1135.153	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	112684	268.235	ug/l	99
52) Toluene	10.39	92	112142	51.598	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	59532	52.970	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	66928	51.514	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	32477	54.068	ug/l	96
56) Ethyl methacrylate	10.65	69	39658	54.929	ug/l	99
57) 1,3-Dichloropropane	10.93	76	54996	55.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	86984	261.258	ug/l	99
59) 2-Hexanone	10.97	43	79358	283.301	ug/l	99
60) Dibromochloromethane	11.13	129	41905	55.280	ug/l	98
61) 1,2-Dibromoethane	11.24	107	32421	54.617	ug/l	96
64) Tetrachloroethene	10.87	164	43546	49.845	ug/l	94
65) Chlorobenzene	11.66	112	128790	50.863	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	46249	51.860	ug/l	100
67) Ethyl Benzene	11.73	91	222994	51.223	ug/l	93
68) m/p-Xylenes	11.84	106	171430	101.293	ug/l	100
69) o-Xylene	12.17	106	83348	52.732	ug/l	99
70) Styrene	12.18	104	138199	54.132	ug/l	97
71) Bromoform	12.35	173	23158	50.733	ug/l #	99
73) Isopropylbenzene	12.47	105	228558	49.771	ug/l	100
74) N-amyl acetate	12.27	43	43244	51.815	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	35553	52.272	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	47967	97.070	ug/l #	1
77) Bromobenzene	12.75	156	52049	51.134	ug/l	95
78) n-propylbenzene	12.81	91	260002	50.310	ug/l	100
79) 2-Chlorotoluene	12.90	91	154965	49.556	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	196074	50.816	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10808	48.315	ug/l	94
82) 4-Chlorotoluene	12.99	91	166758	50.590	ug/l	99
83) tert-Butylbenzene	13.21	119	171728	50.510	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	199778	50.314	ug/l	98
85) sec-Butylbenzene	13.39	105	232256	50.041	ug/l	96
86) p-Isopropyltoluene	13.50	119	209903	50.341	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	102449	50.480	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	101565	49.779	ug/l	97
89) n-Butylbenzene	13.83	91	187498	48.507	ug/l	98
90) Hexachloroethane	14.10	117	36980	49.845	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	92864	51.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6786	49.717	ug/l	94

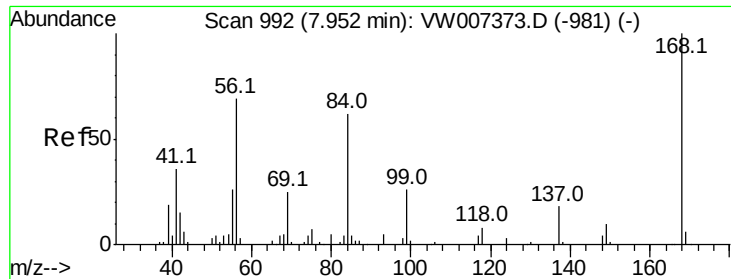
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	62063	49.613	ug/l	96
94) Hexachlorobutadiene	15.24	225	30903	46.559	ug/l	99
95) Naphthalene	15.37	128	125342	52.377	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	55162	50.763	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

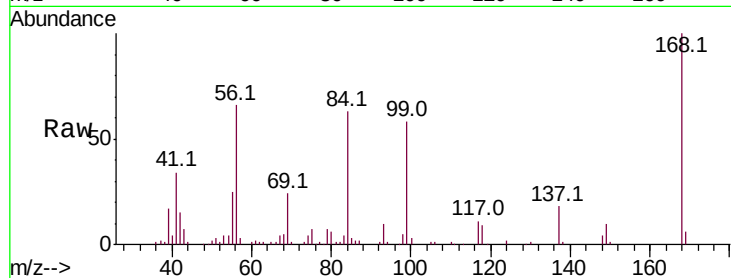
VSTDCCC050EC

Tot Ion:168 Resp: 77218

Ion Ratio Lower Upper

168 100

99 58.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

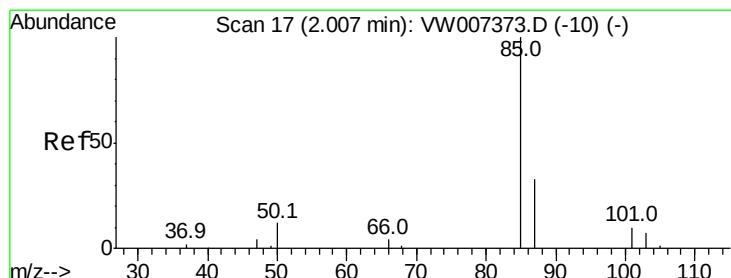
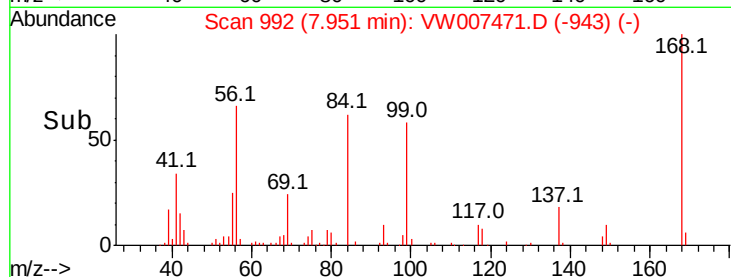
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 42.211 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007471.D

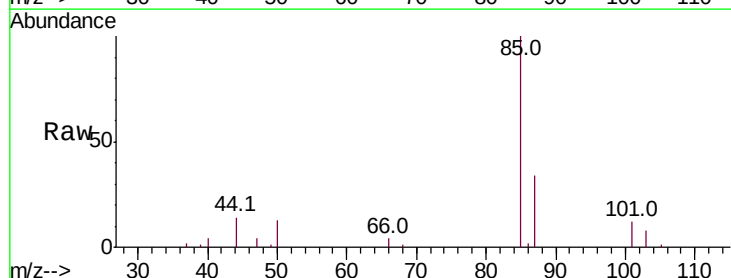
Acq: 13 Dec 2018 06:32

Tgt Ion: 85 Resp: 22777

Ion Ratio Lower Upper

85 100

87 34.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

6000

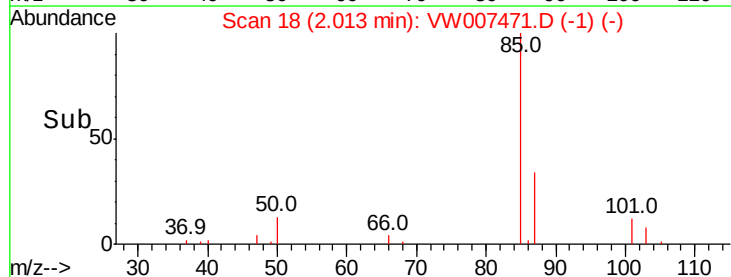
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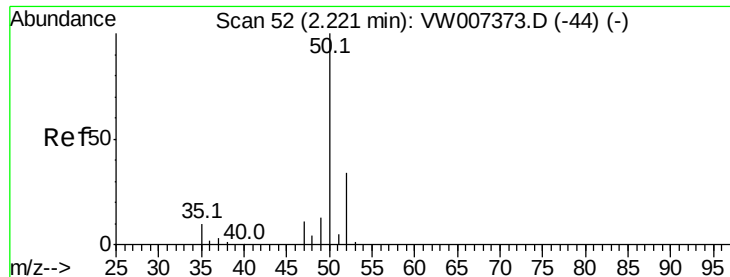
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 44.656 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

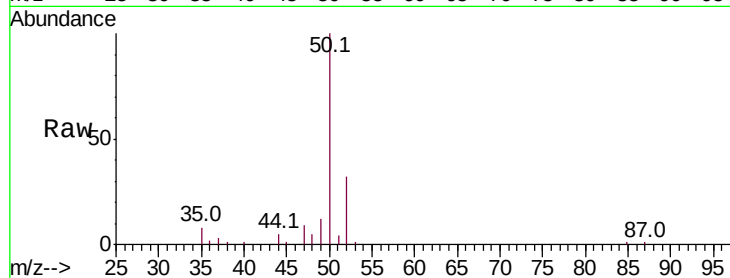
VSTDCCC050EC

Tot Ion: 50 Resp: 20181

Ion Ratio Lower Upper

50 100

52 32.4 27.4 41.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.22

12000

10000

8000

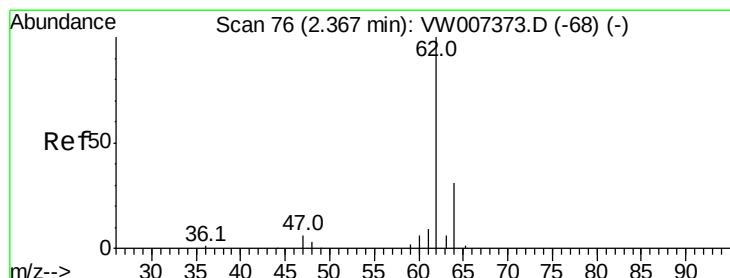
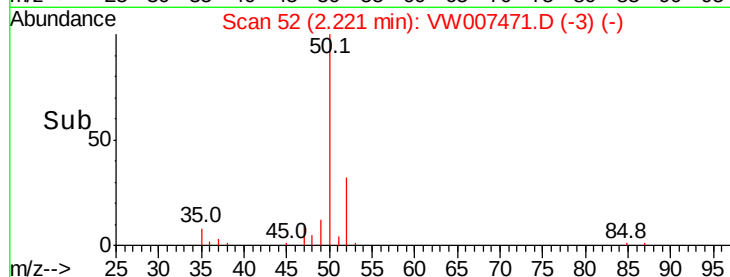
6000

4000

2000

0

Time-->



#4

Vinyl Chloride

Concen: 47.469 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007471.D

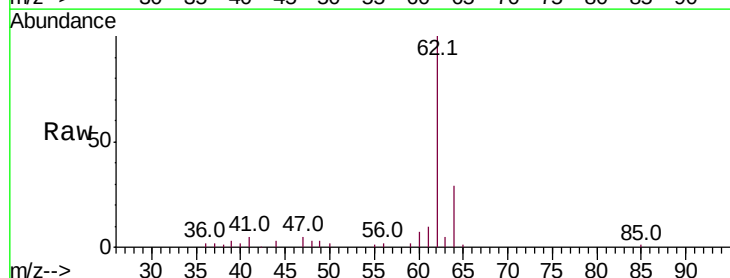
Acq: 13 Dec 2018 06:32

Tgt Ion: 62 Resp: 25175

Ion Ratio Lower Upper

62 100

64 29.1 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.37

12000

10000

8000

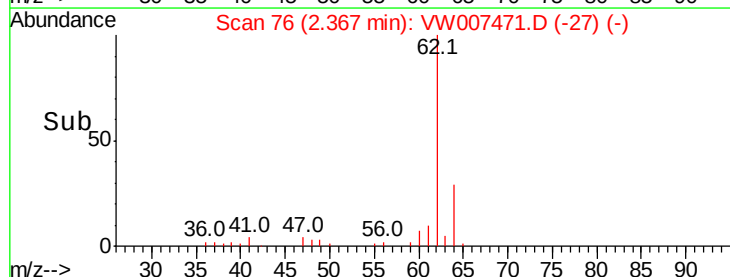
6000

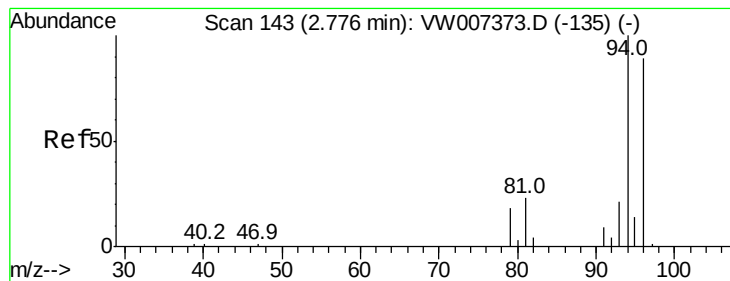
4000

2000

0

Time-->





#5

Bromomethane

Concen: 50.821 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

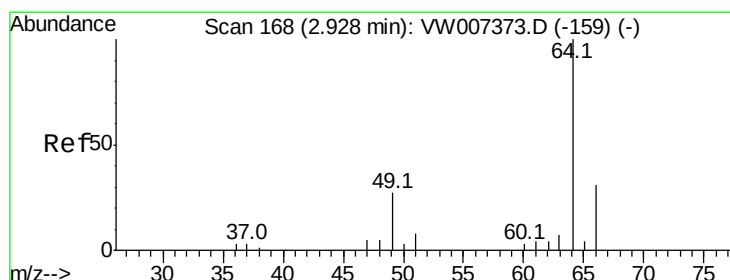
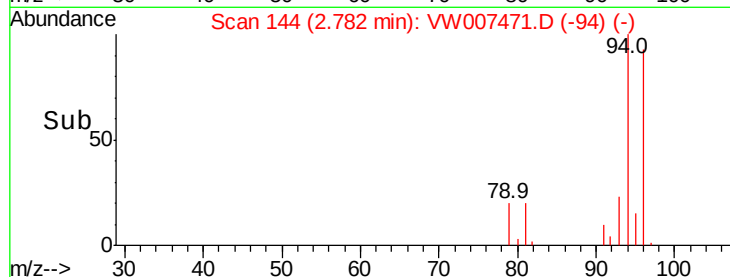
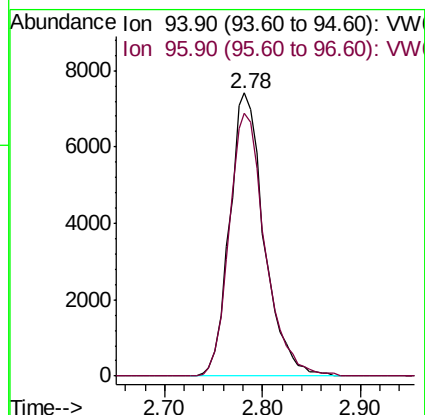
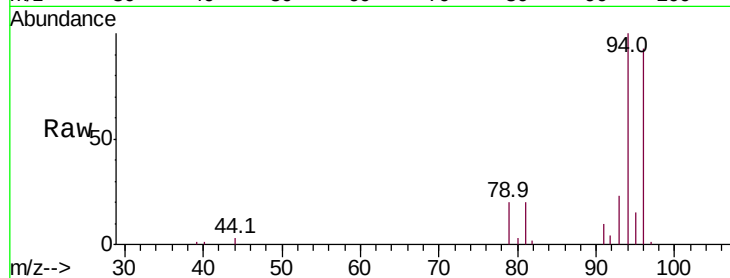
VSTDCCC050EC

Tot Ion: 94 Resp: 18109

Ion Ratio Lower Upper

94 100

96 92.8 71.0 106.4



#6

Chloroethane

Concen: 53.180 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007471.D

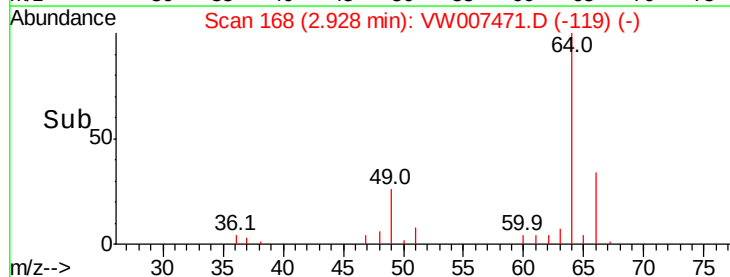
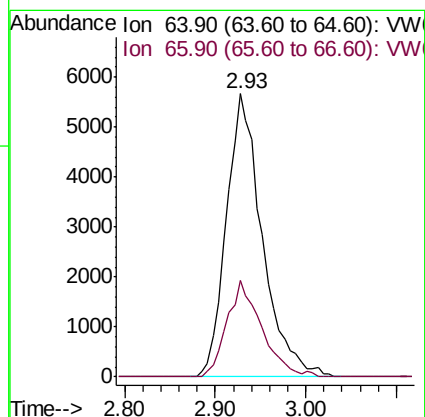
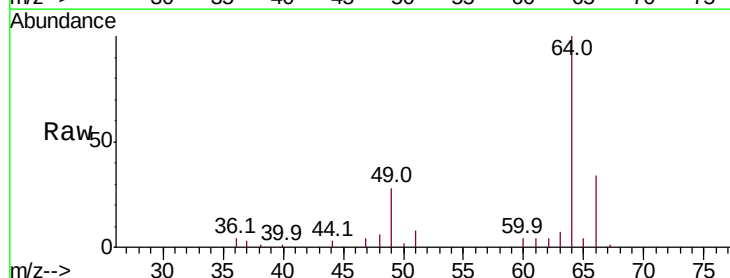
Acq: 13 Dec 2018 06:32

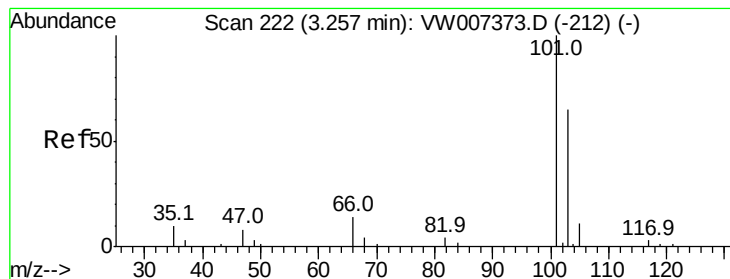
Tgt Ion: 64 Resp: 15525

Ion Ratio Lower Upper

64 100

66 33.9 24.6 37.0



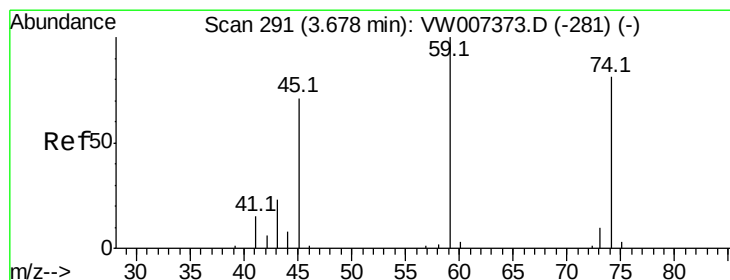
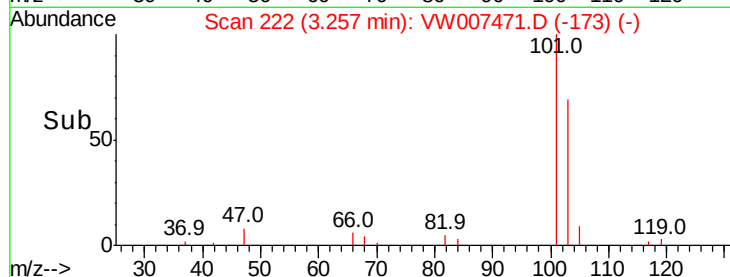
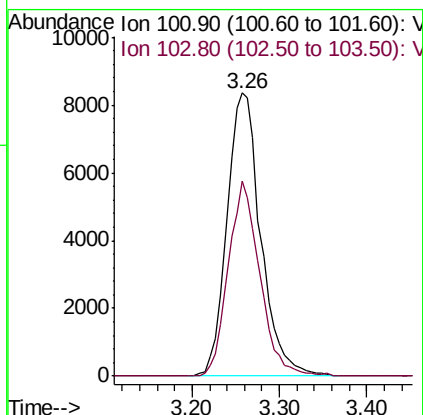
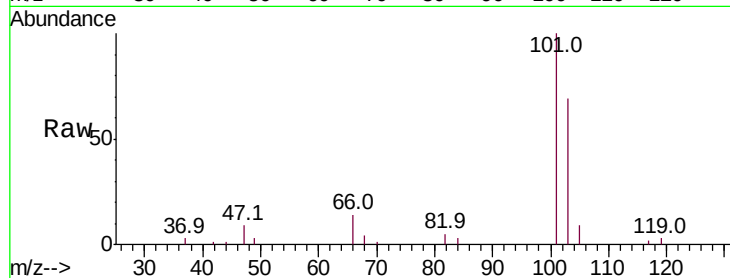


#7

Trichlorofluoromethane
 Concen: 47.015 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

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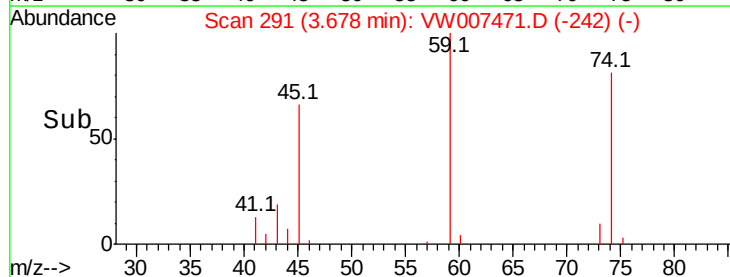
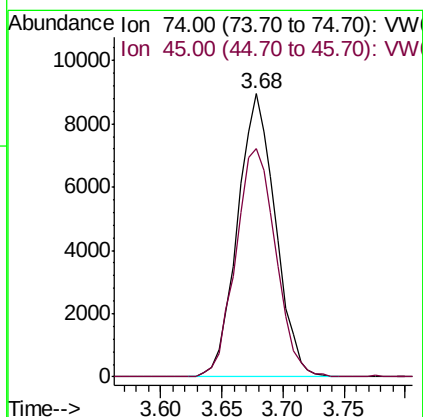
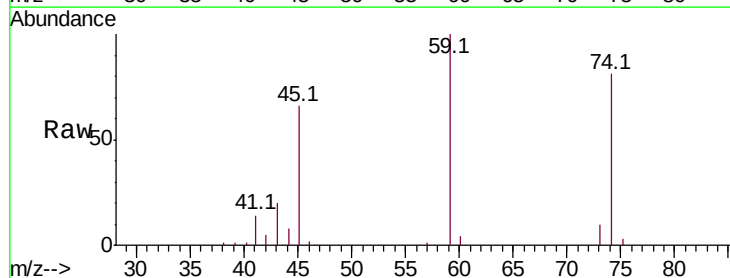
Tot Ion:101 Resp: 22417
 Ion Ratio Lower Upper
 101 100
 103 68.8 51.7 77.5

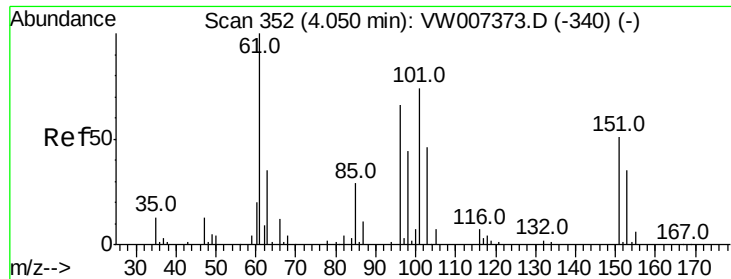


#8

Diethyl Ether
 Concen: 51.374 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 74 Resp: 19172
 Ion Ratio Lower Upper
 74 100
 45 85.2 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.200 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

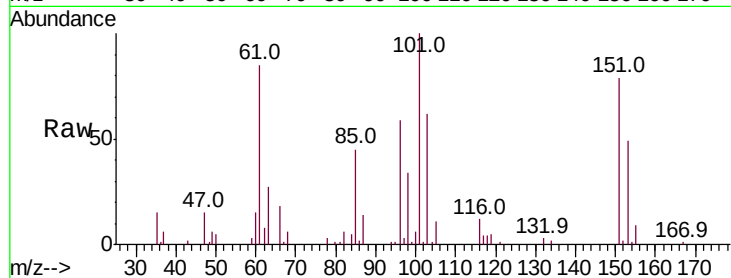
Tot Ion:101 Resp: 37134

Ion Ratio Lower Upper

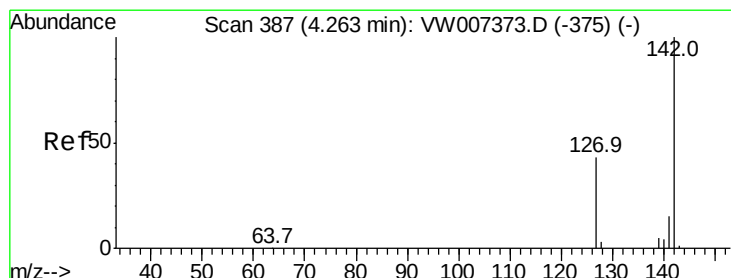
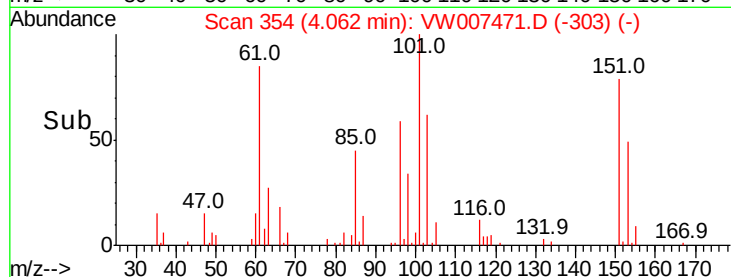
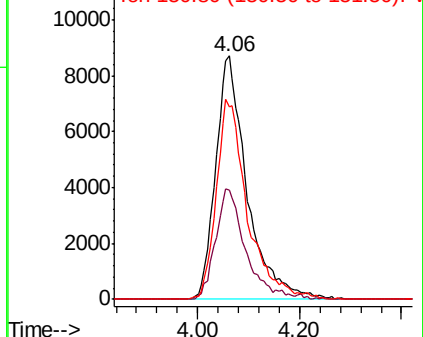
101 100

85 43.0 33.9 50.9

151 80.7 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VV
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.714 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

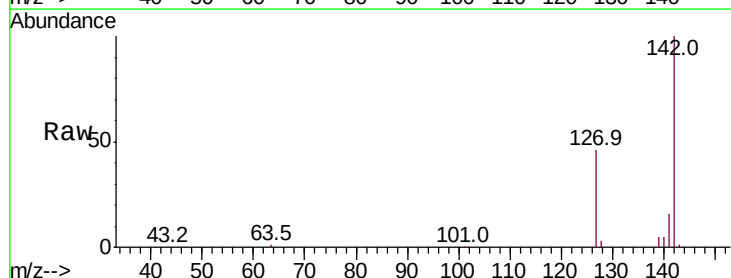
Tgt Ion:142 Resp: 67384

Ion Ratio Lower Upper

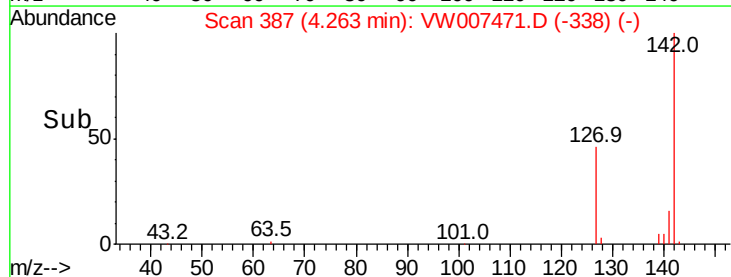
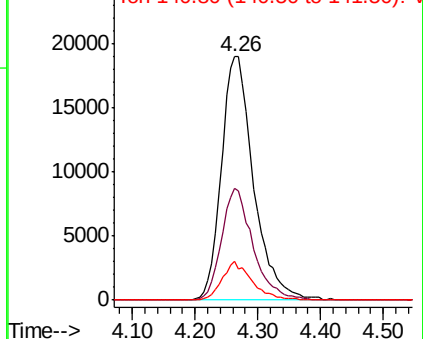
142 100

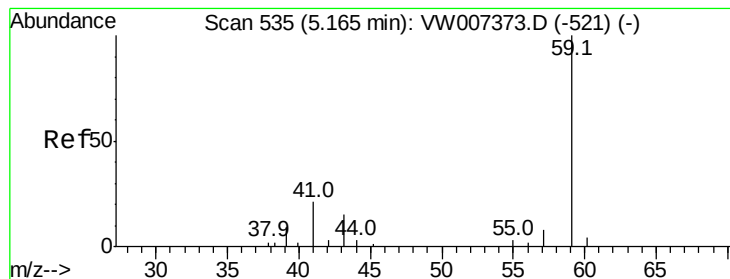
127 44.7 35.8 53.6

141 14.6 11.1 16.7



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



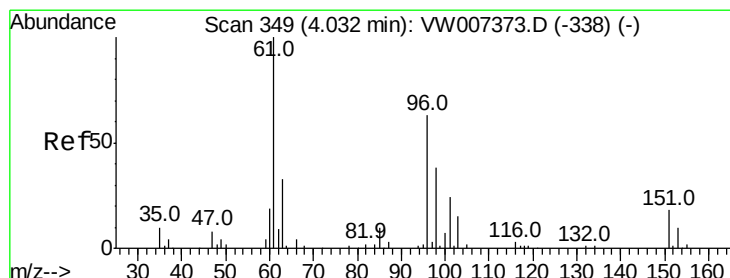
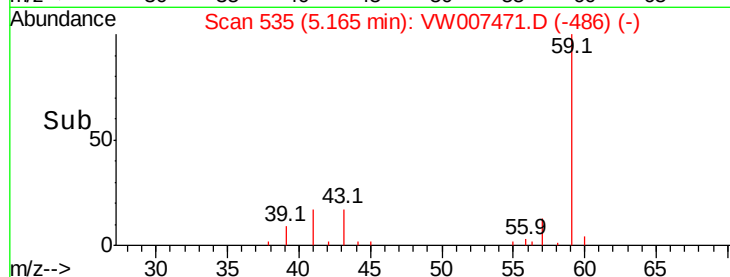
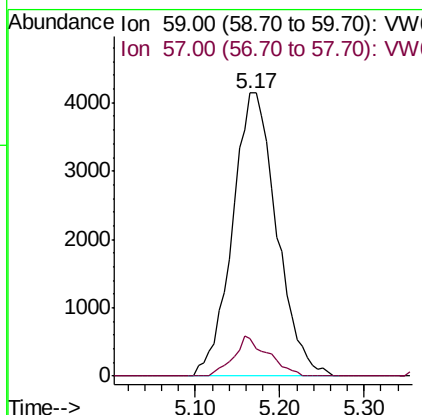
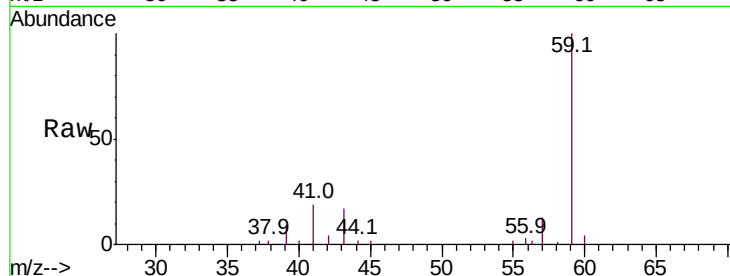


#11

Tert butyl alcohol
 Concen: 251.142 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

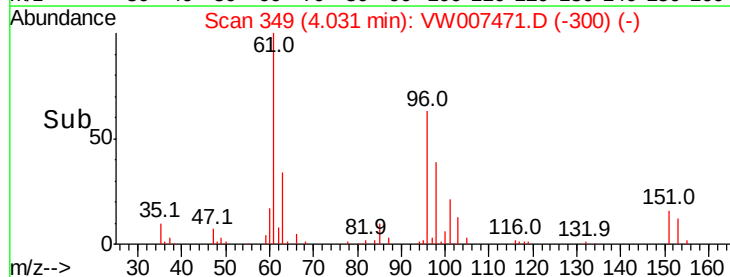
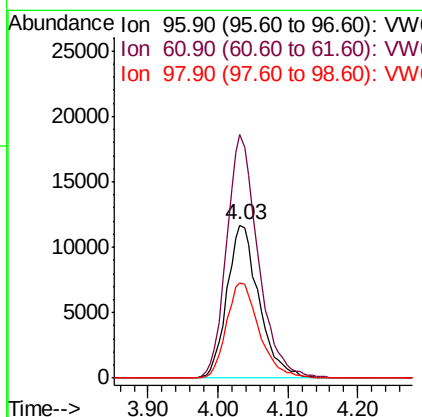
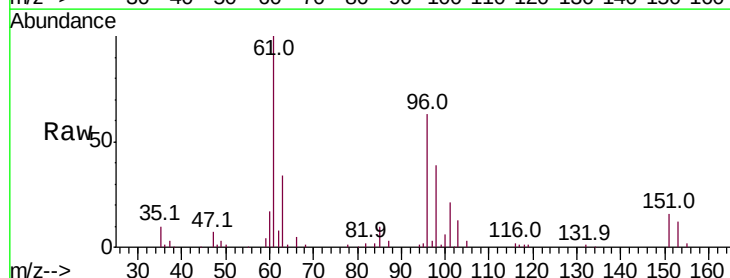
Tot Ion: 59 Resp: 14776
 Ion Ratio Lower Upper
 59 100
 57 11.0 7.6 11.4

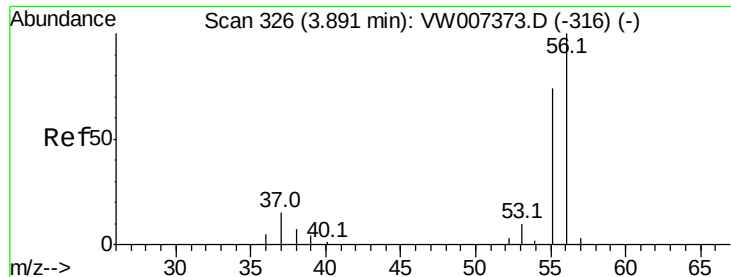


#12

1,1-Dichloroethene
 Concen: 49.078 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 96 Resp: 37176
 Ion Ratio Lower Upper
 96 100
 61 159.3 126.2 189.2
 98 62.0 48.3 72.5





#13

Acrolein

Concen: 281.448 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

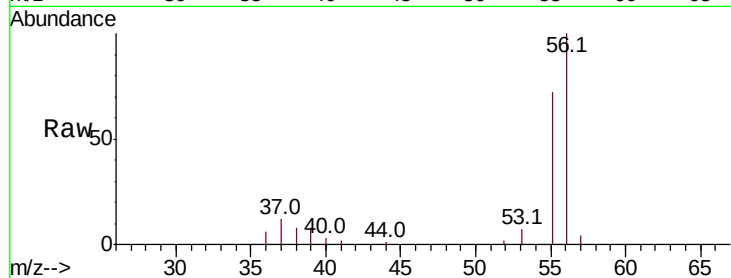
VSTDCCC050EC

Tot Ion: 56 Resp: 10957

Ion Ratio Lower Upper

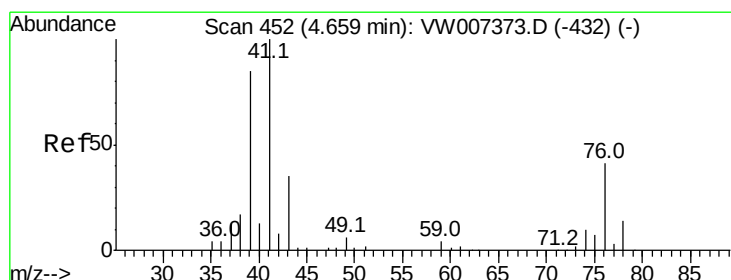
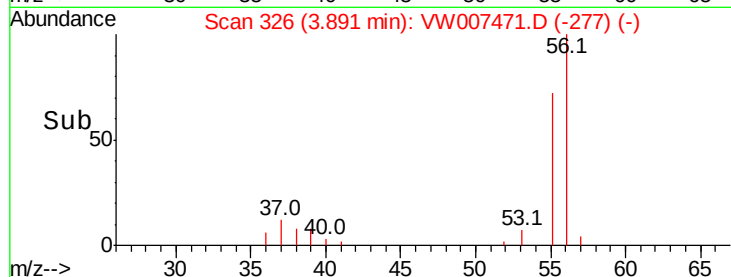
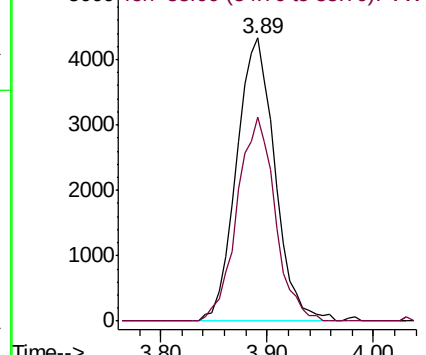
56 100

55 71.2 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 49.085 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

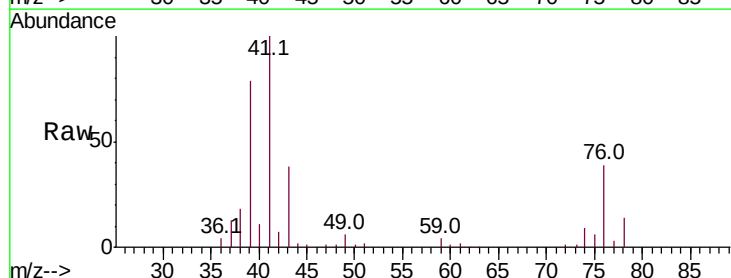
Tgt Ion: 41 Resp: 54806

Ion Ratio Lower Upper

41 100

39 80.2 63.4 95.2

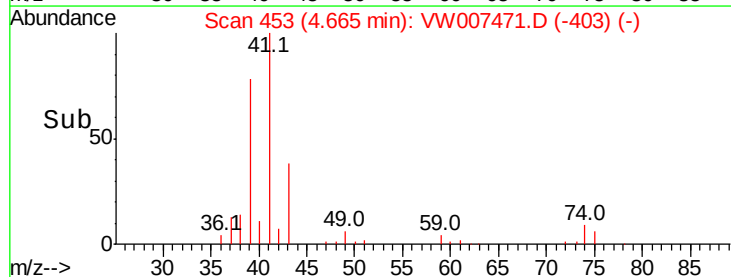
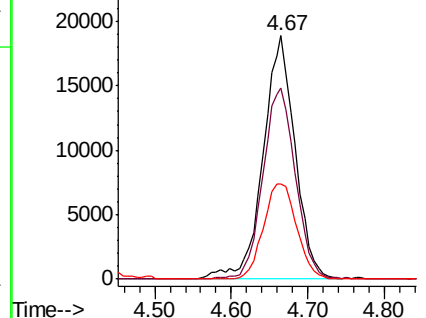
76 40.9 32.1 48.1

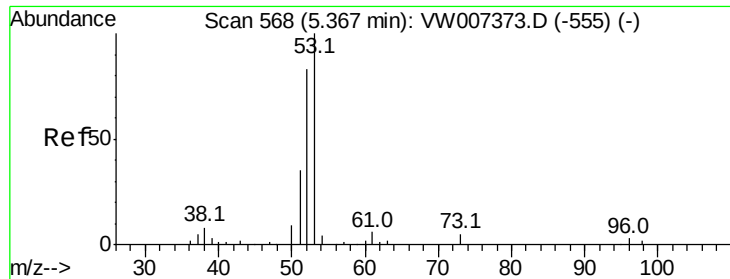


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 259.880 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

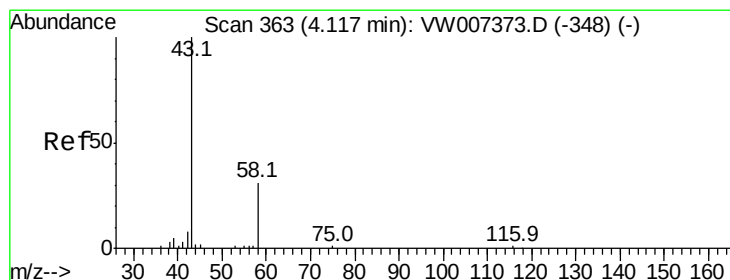
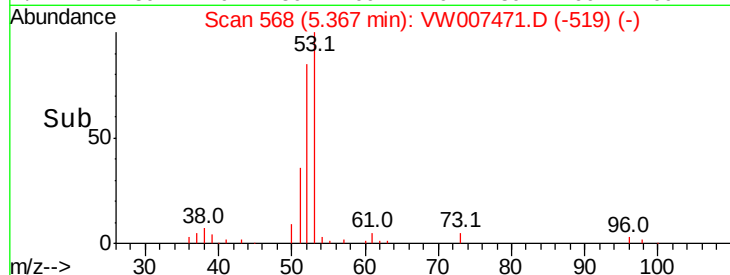
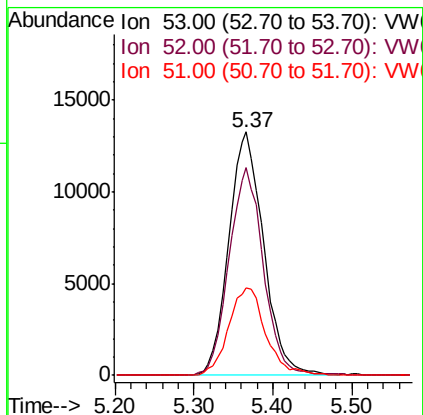
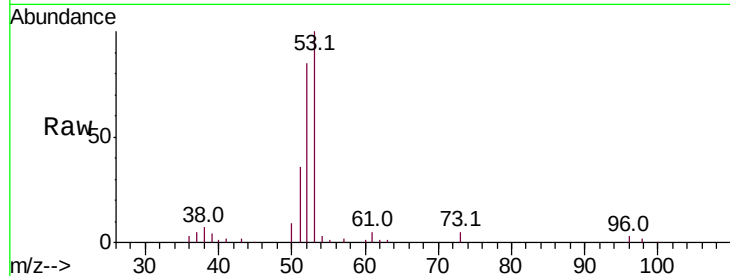
Tot Ion: 53 Resp: 40884

Ion Ratio Lower Upper

53 100

52 83.7 67.4 101.2

51 38.1 30.2 45.2



#16

Acetone

Concen: 242.583 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007471.D

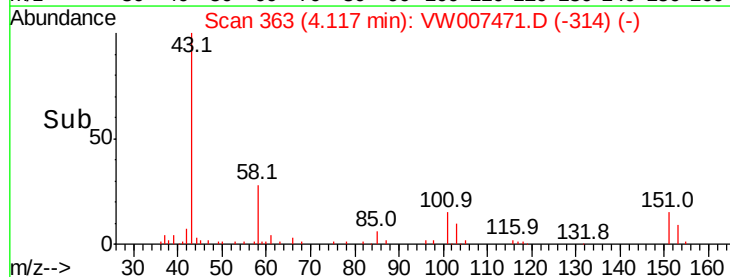
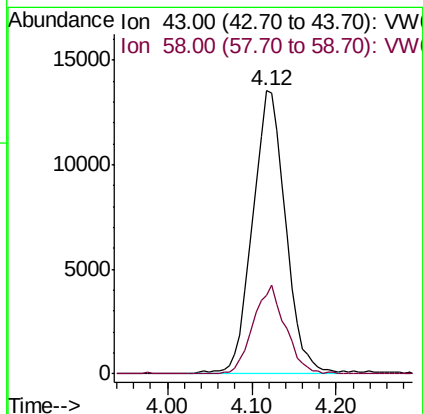
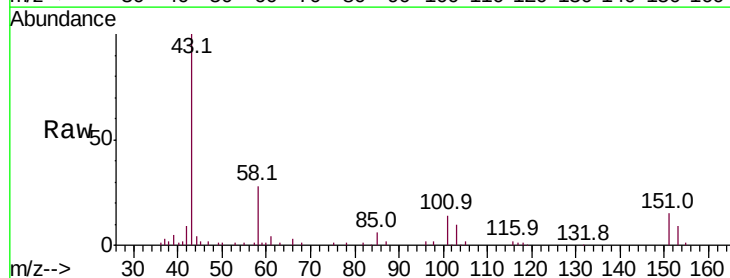
Acq: 13 Dec 2018 06:32

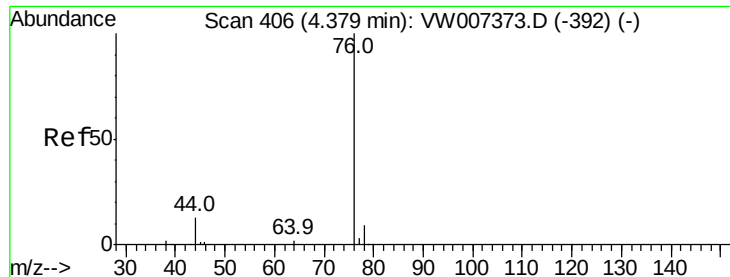
Tgt Ion: 43 Resp: 36299

Ion Ratio Lower Upper

43 100

58 27.8 24.9 37.3





#17

Carbon Disulfide

Concen: 47.763 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

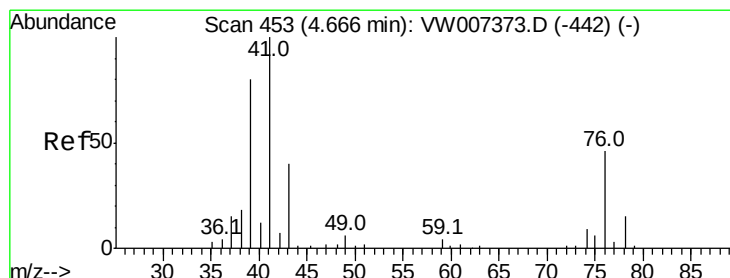
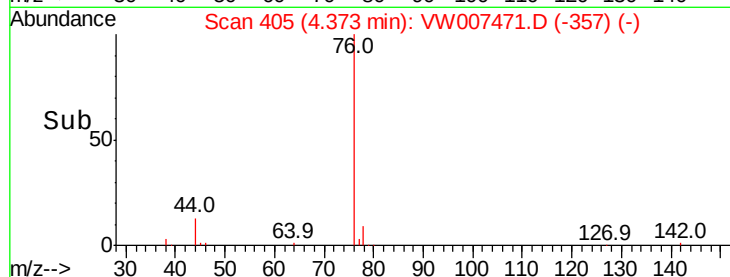
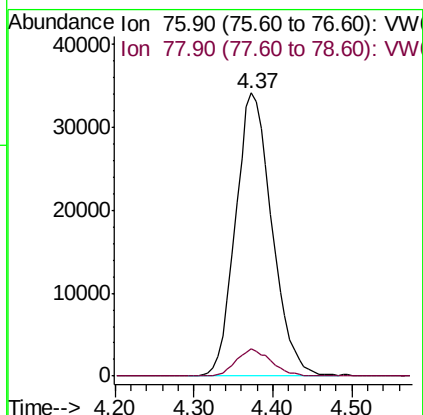
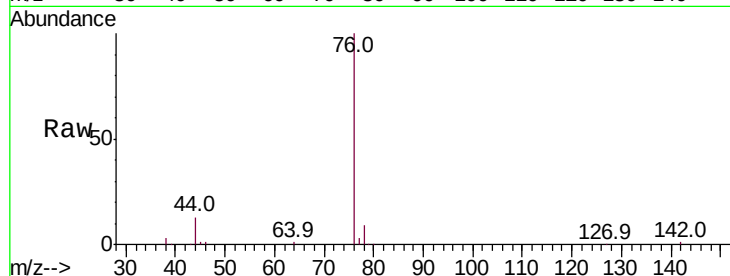
VSTDCCC050EC

Tot Ion: 76 Resp: 109700

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



#18

Methyl Acetate

Concen: 51.450 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007471.D

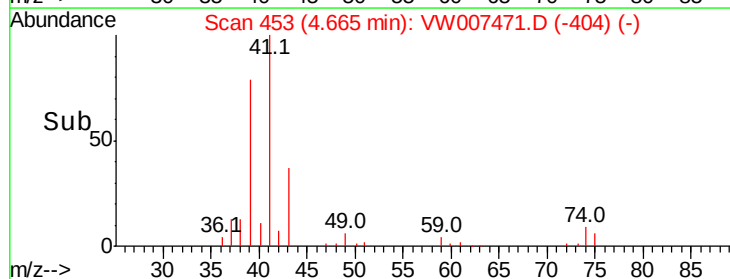
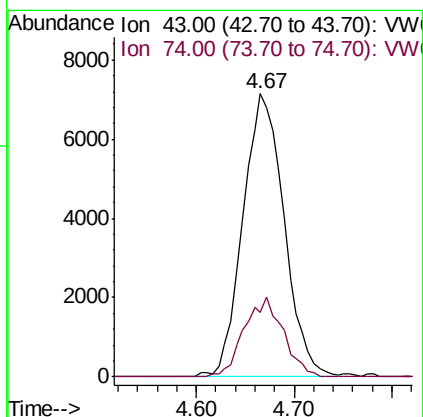
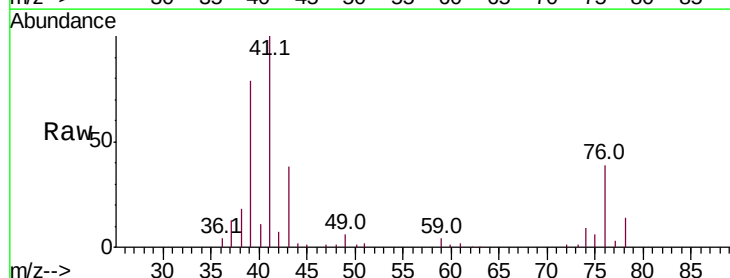
Acq: 13 Dec 2018 06:32

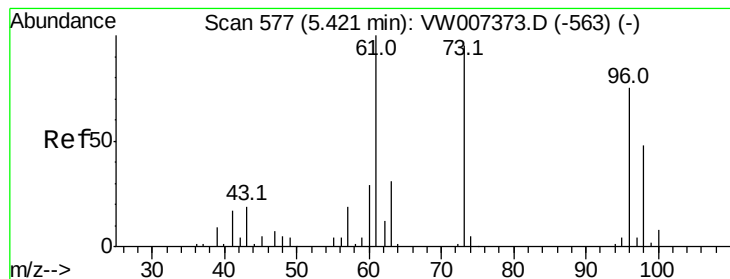
Tgt Ion: 43 Resp: 20895

Ion Ratio Lower Upper

43 100

74 26.5 21.1 31.7



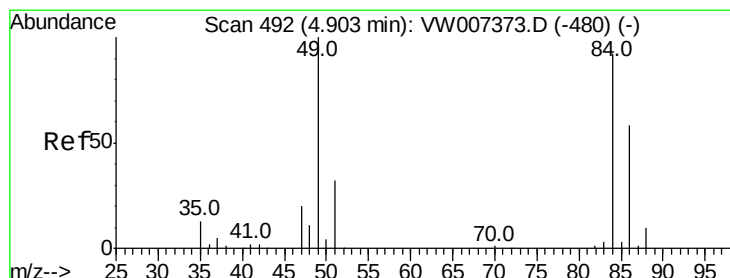
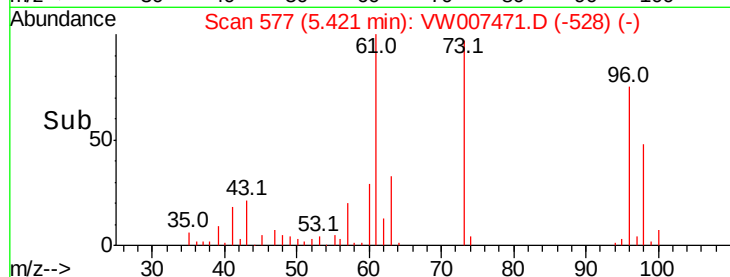
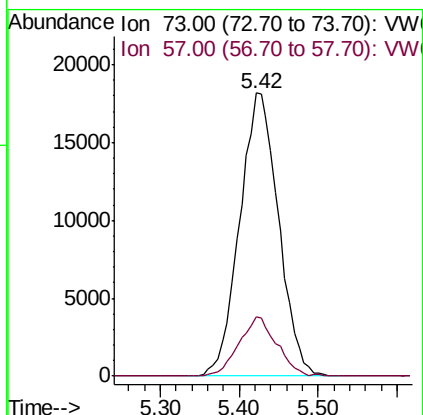
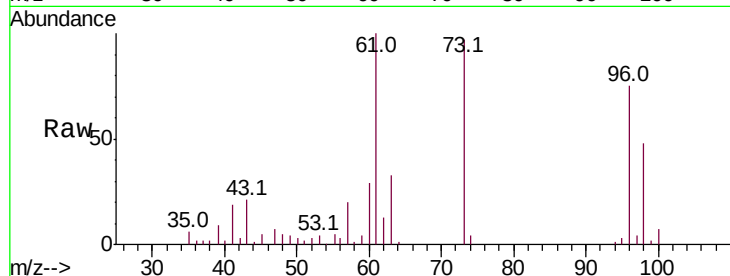


#19

Methyl tert-butyl Ether
 Concen: 54.407 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

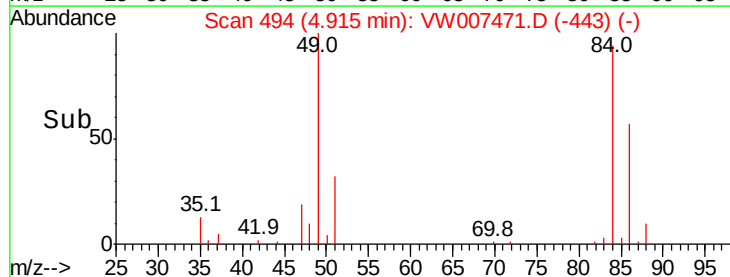
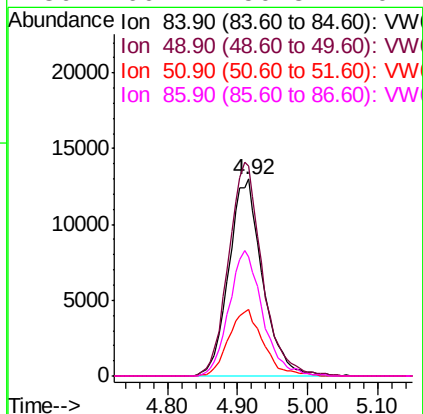
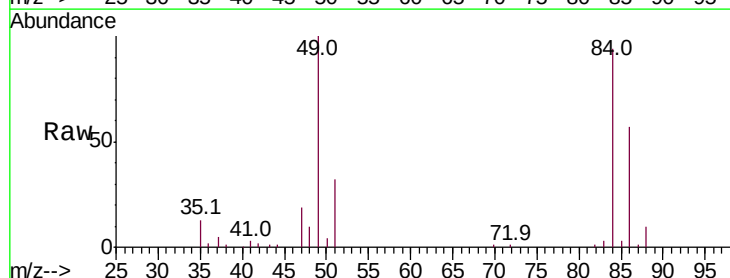
Tot Ion: 73 Resp: 62172
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.4 24.6

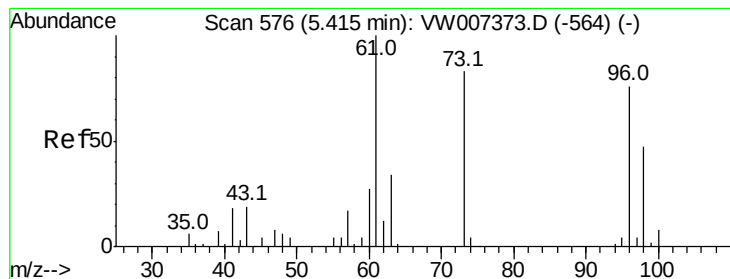


#20

Methylene Chloride
 Concen: 53.439 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 84 Resp: 43508
 Ion Ratio Lower Upper
 84 100
 49 106.9 87.1 130.7
 51 33.9 28.2 42.2
 86 60.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.837 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

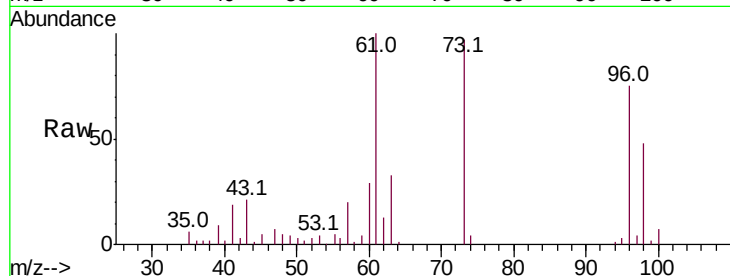
Tot Ion: 96 Resp: 42230

Ion Ratio Lower Upper

96 100

61 134.1 105.0 157.6

98 64.1 49.7 74.5

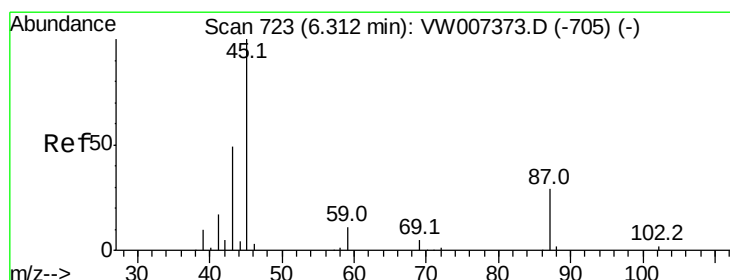
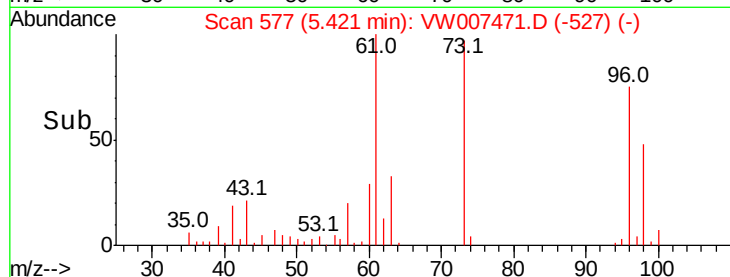
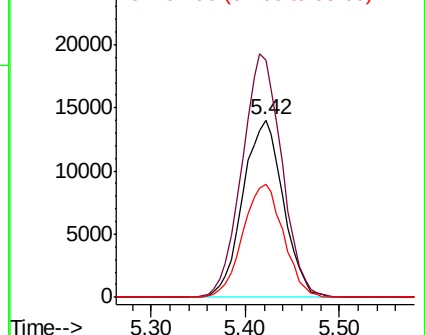


Abundance

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: 52.466 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Tgt Ion: 45 Resp: 112601

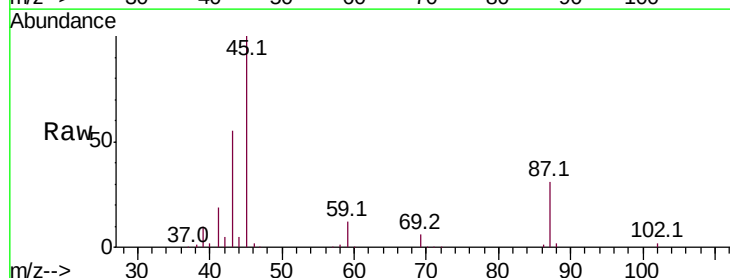
Ion Ratio Lower Upper

45 100

43 55.0 41.6 62.4

87 30.8 24.3 36.5

59 11.6 9.4 14.0



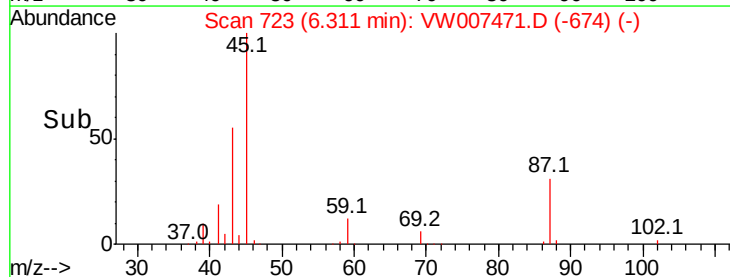
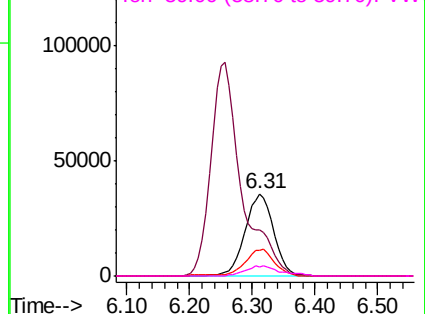
Abundance

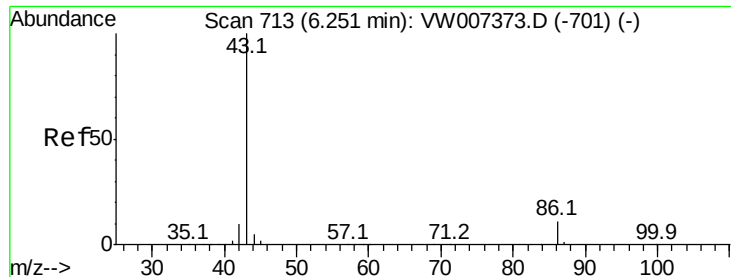
Ion 45.00 (44.70 to 45.70): VW

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: 262.442 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

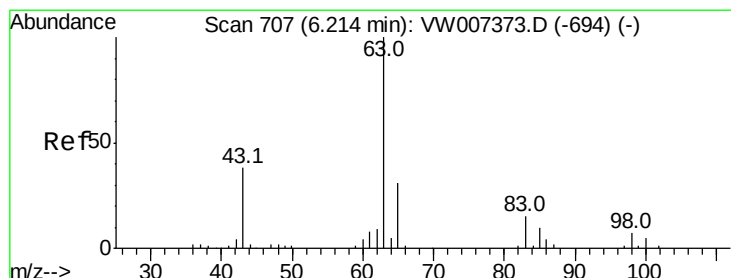
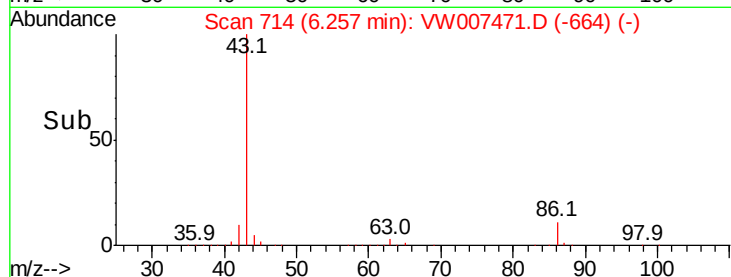
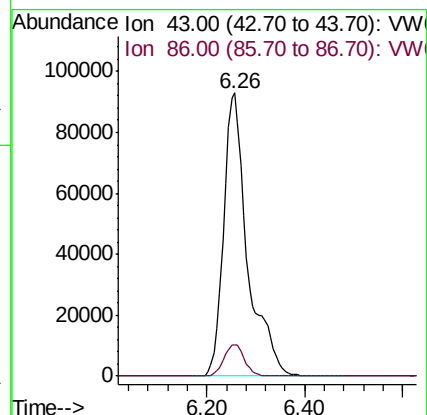
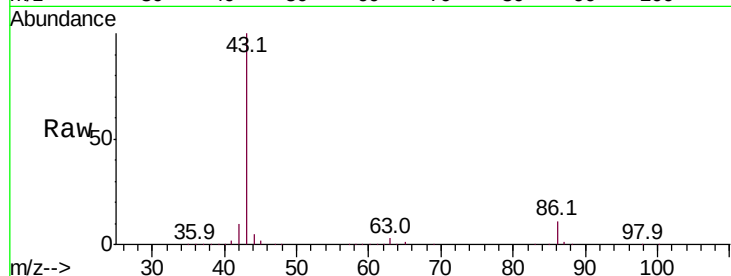
VSTDCCC050EC

Tot Ion: 43 Resp: 315042

Ion Ratio Lower Upper

43 100

86 11.1 8.6 12.8



#24

1,1-Dichloroethane

Concen: 51.364 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

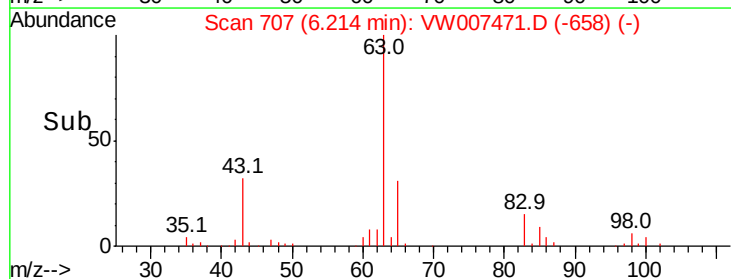
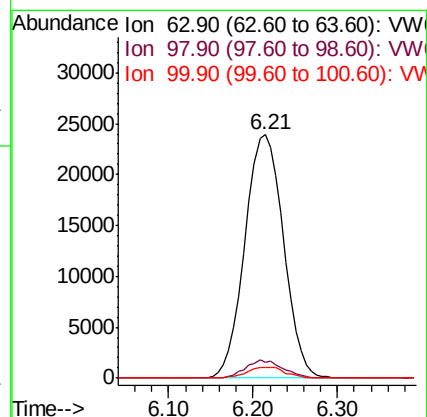
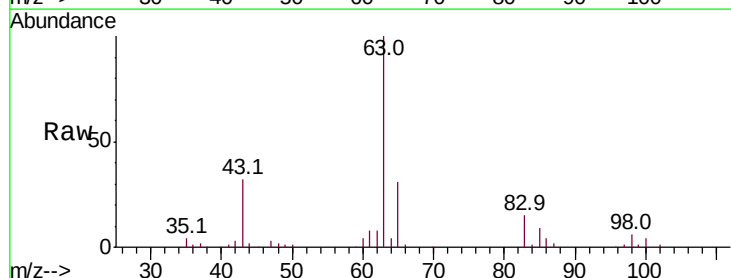
Tgt Ion: 63 Resp: 74504

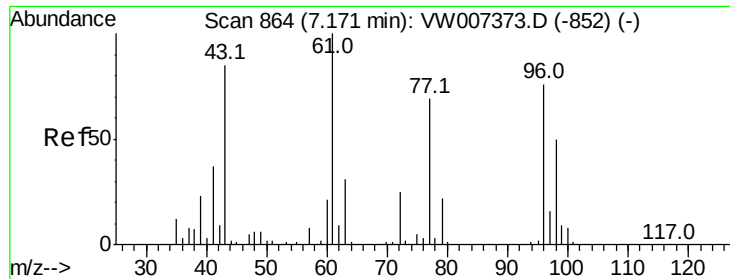
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.5 2.5 7.5





#25

2-Butanone

Concen: 259.740 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

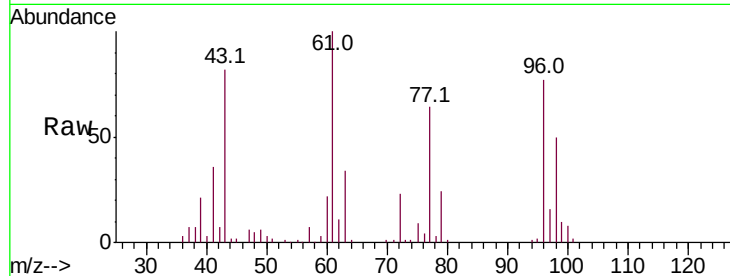
VSTDCCC050EC

Tot Ion: 43 Resp: 50740

Ion Ratio Lower Upper

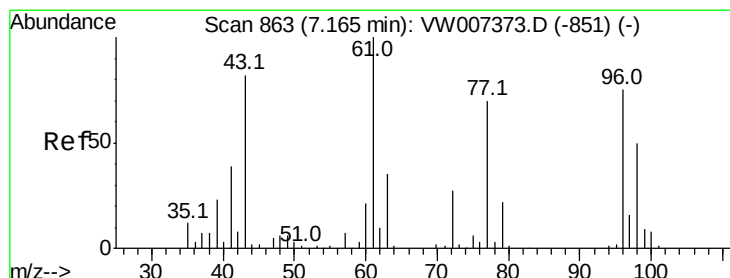
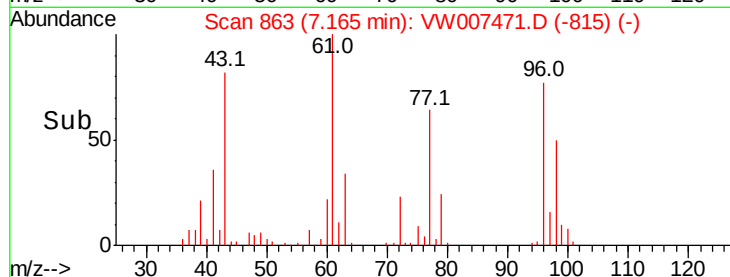
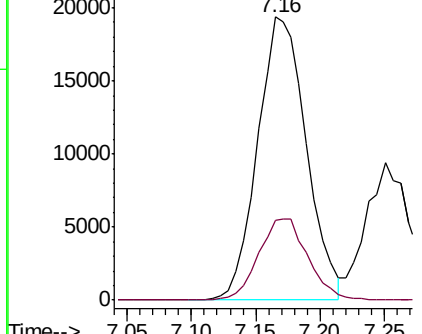
43 100

72 28.2 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 46.960 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007471.D

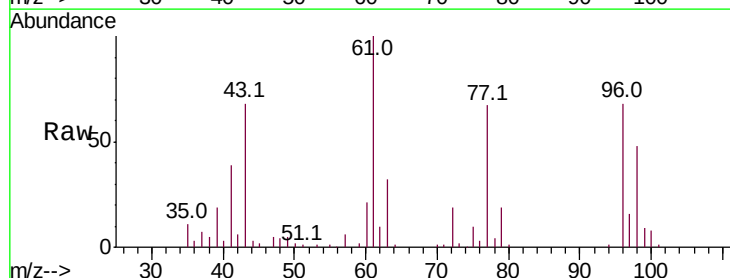
Acq: 13 Dec 2018 06:32

Tgt Ion: 77 Resp: 45081

Ion Ratio Lower Upper

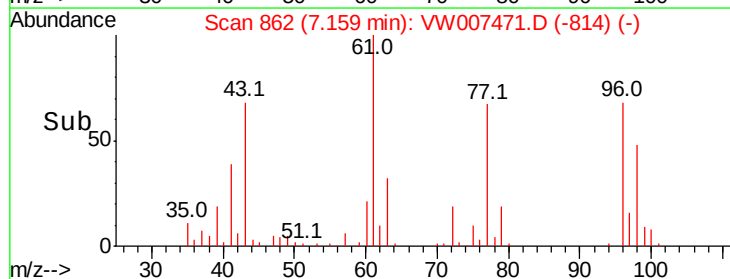
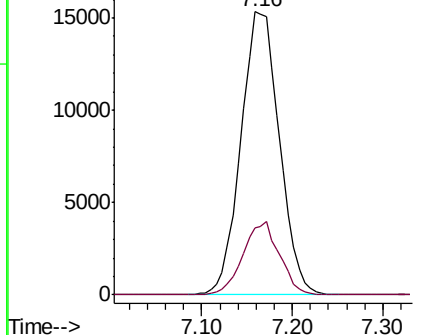
77 100

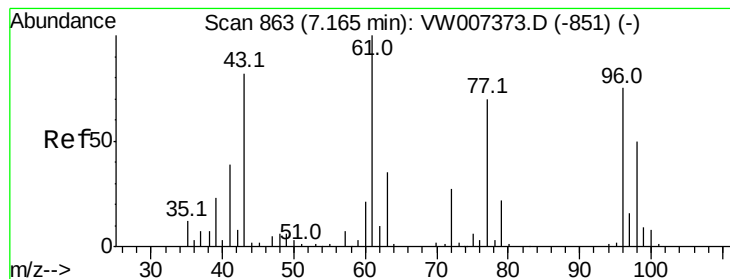
97 24.3 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



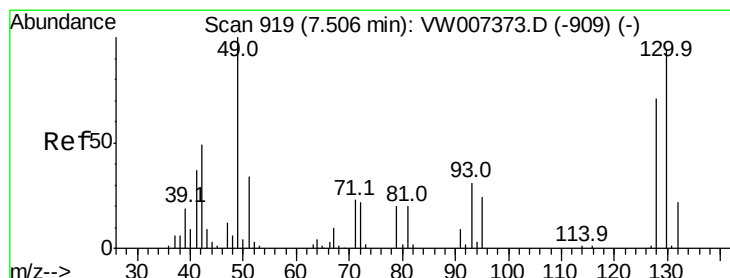
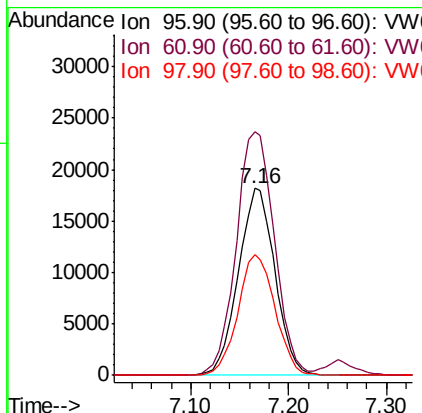
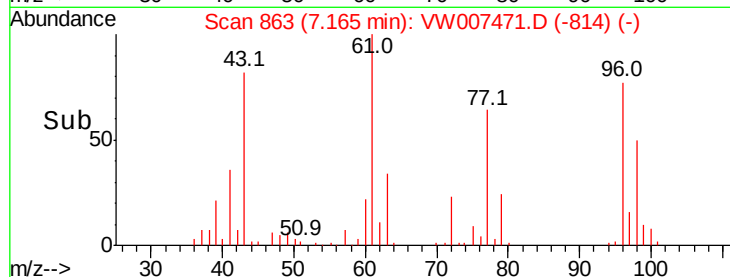
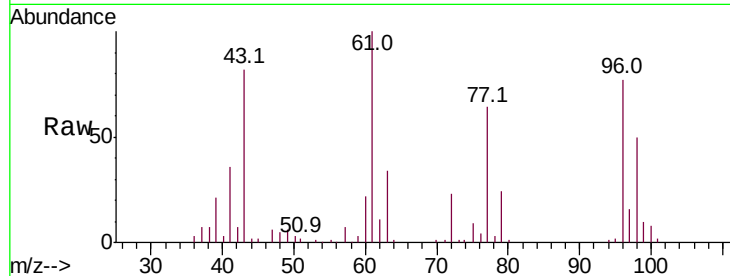


#27

cis-1,2-Dichloroethene
Concen: 50.937 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

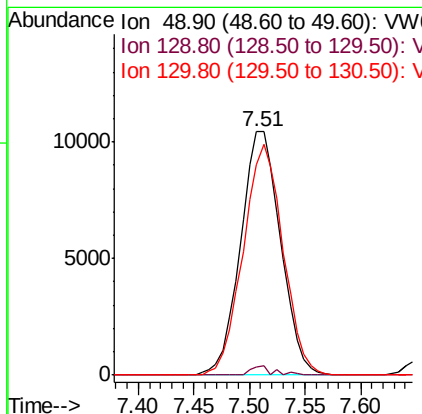
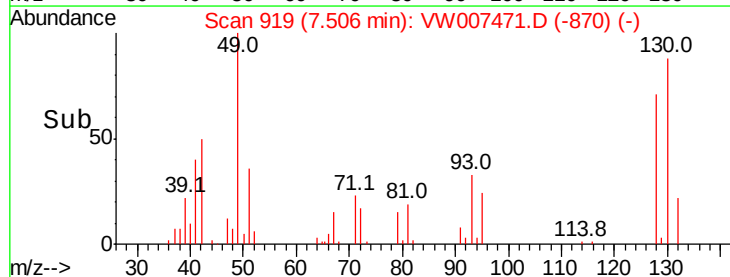
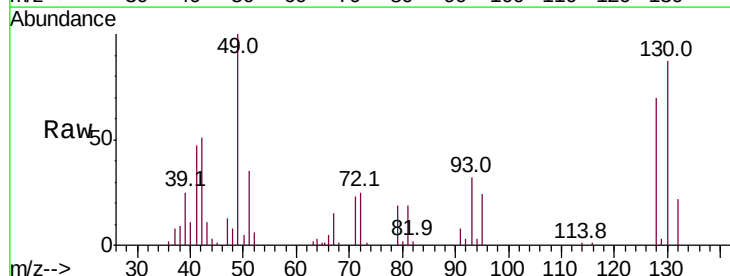
Tot Ion: 96 Resp: 47261
Ion Ratio Lower Upper
96 100
61 136.0 0.0 268.4
98 65.1 0.0 127.8

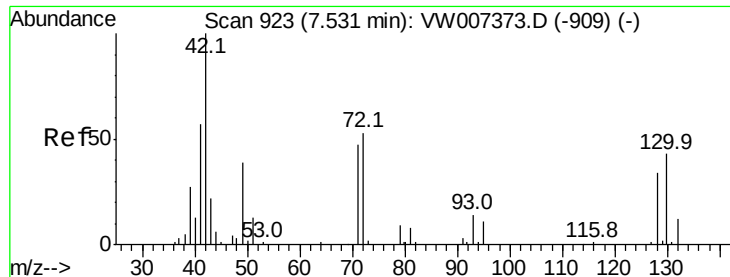


#28

Bromochloromethane
Concen: 47.925 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 49 Resp: 26148
Ion Ratio Lower Upper
49 100
129 2.0 0.0 2.6
130 94.2 75.9 113.9





#29

Tetrahydrofuran

Concen: 260.526 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

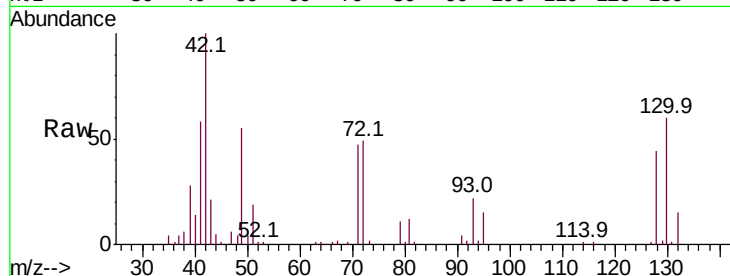
Tot Ion: 42 Resp: 32219

Ion Ratio Lower Upper

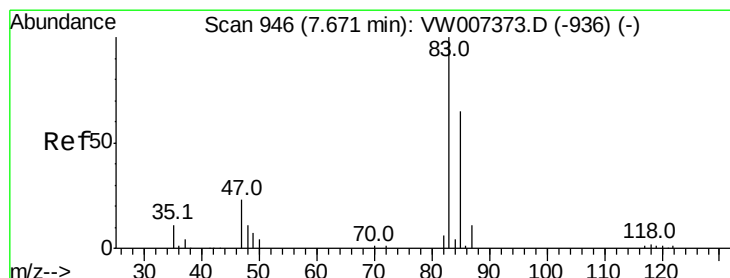
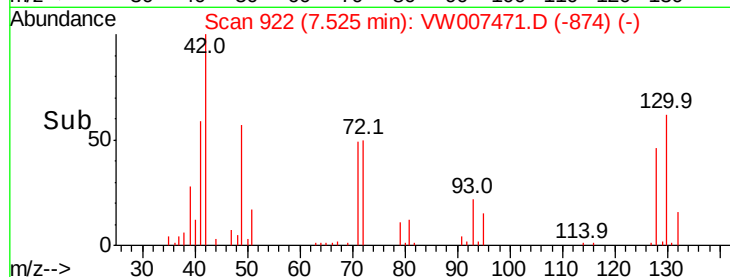
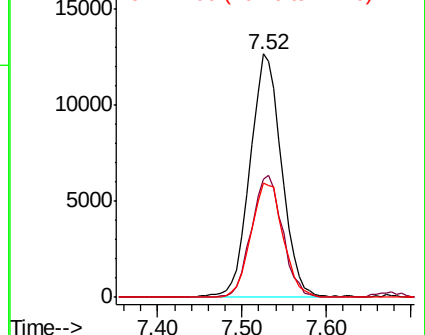
42 100

72 49.2 38.2 57.4

71 47.7 35.5 53.3



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



#30

Chloroform

Concen: 51.473 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007471.D

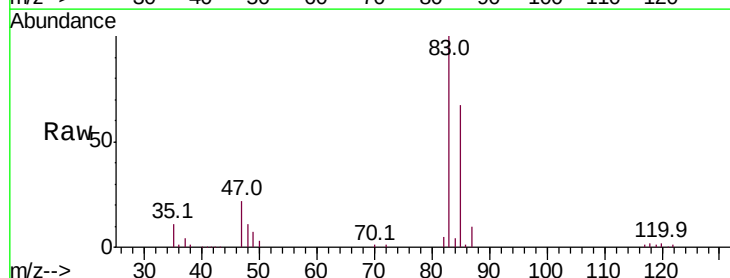
Acq: 13 Dec 2018 06:32

Tgt Ion: 83 Resp: 81251

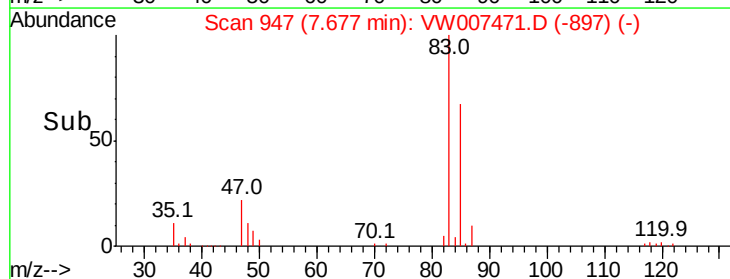
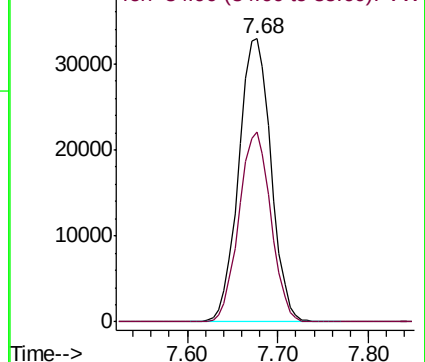
Ion Ratio Lower Upper

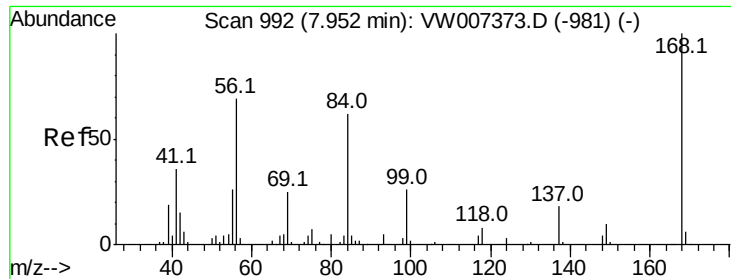
83 100

85 67.0 51.8 77.8



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

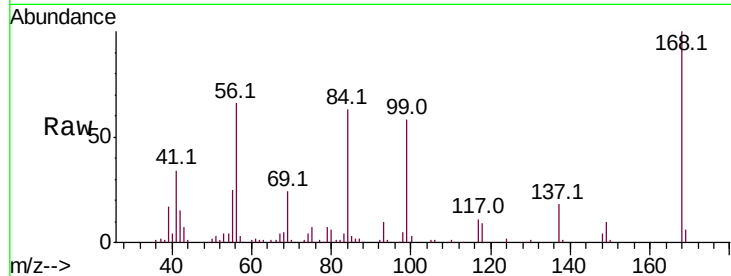




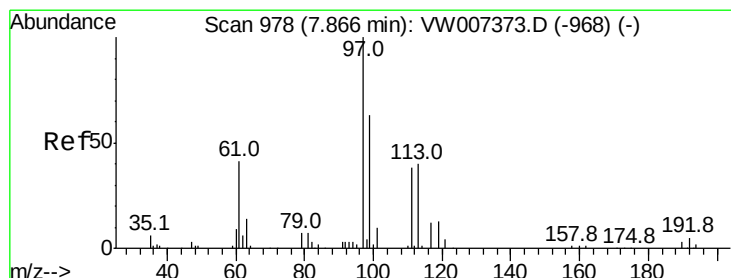
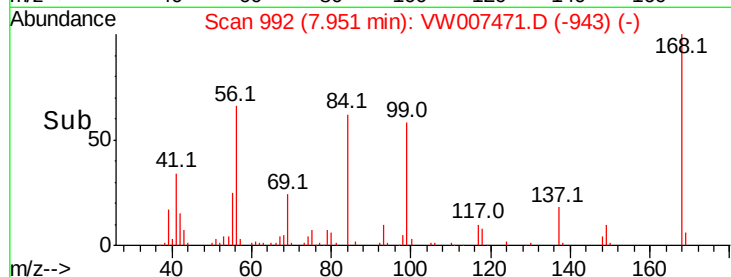
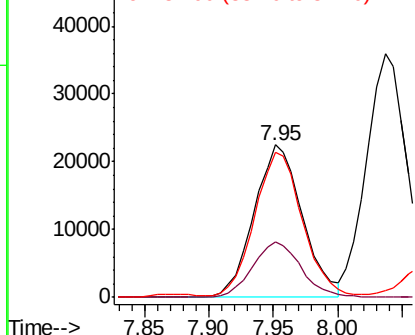
#31
Cyclohexane
Concen: 43.998 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 58554
Ion Ratio Lower Upper
56 100
69 36.0 28.9 43.3
84 93.9 71.8 107.6

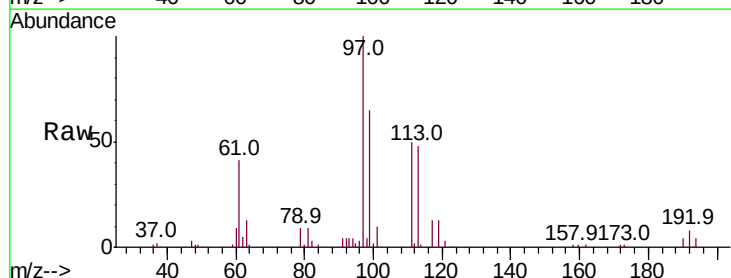


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

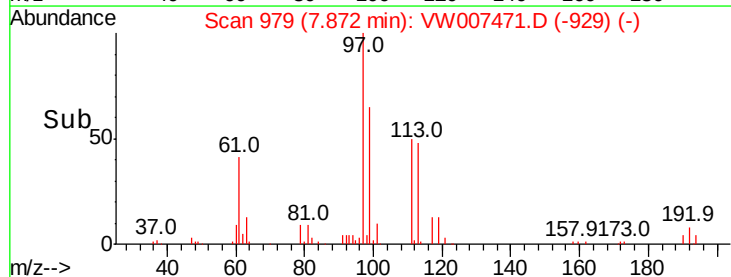
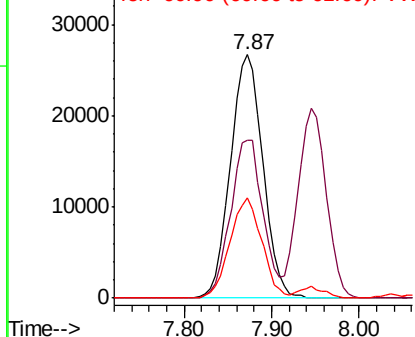


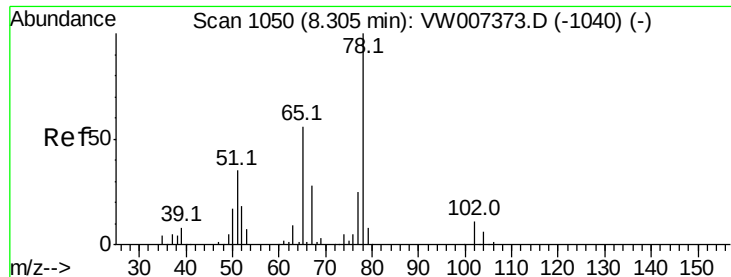
#32
1,1,1-Trichloroethane
Concen: 49.743 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 97 Resp: 68856
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 40.4 33.2 49.8



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

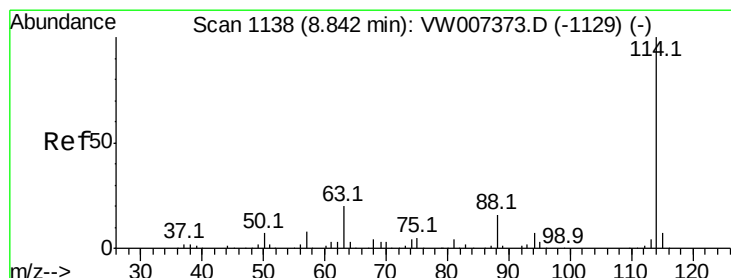
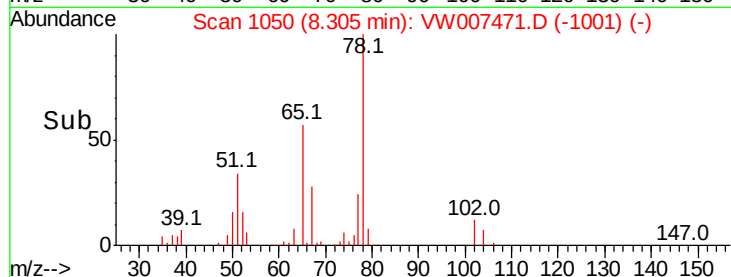
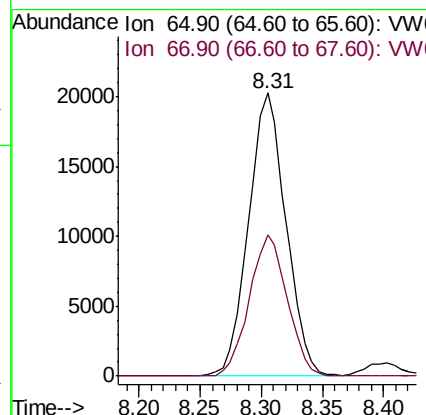
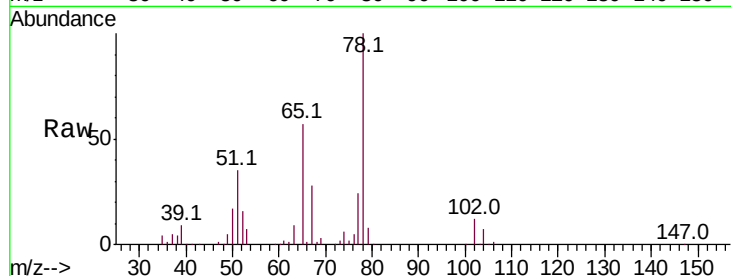




#33
 1,2-Dichloroethane-d4
 Concen: 50.382 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

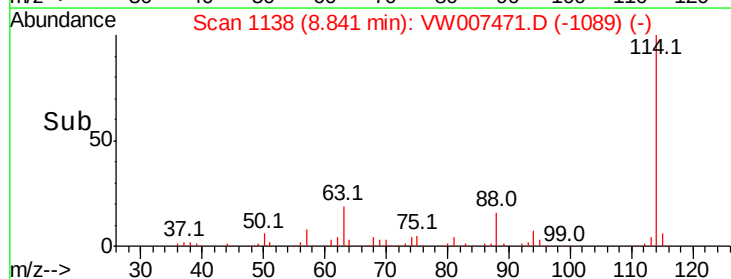
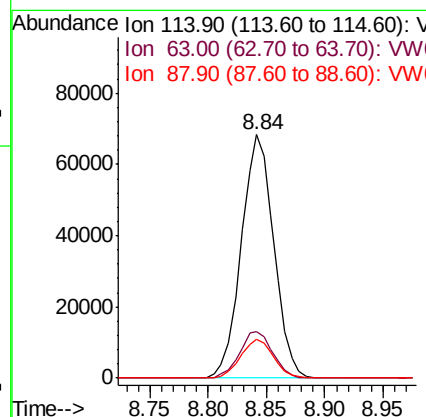
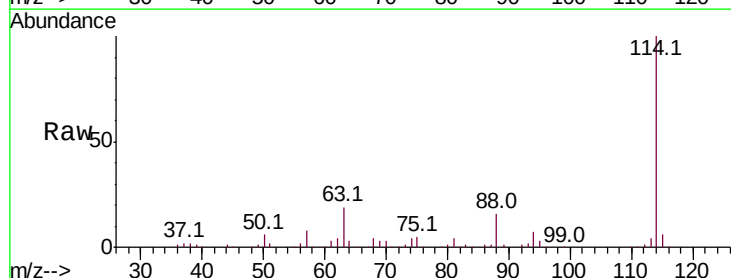
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

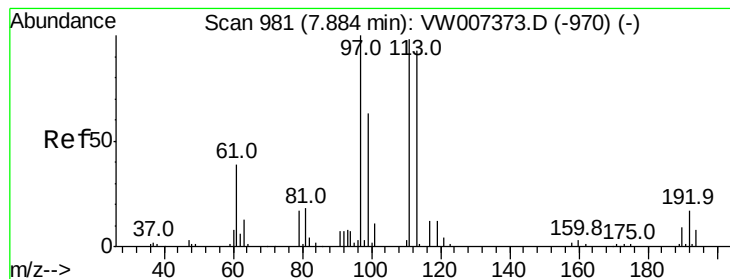
Tot Ion: 65 Resp: 43161
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 114 Resp: 132659
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.6
 88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.630 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

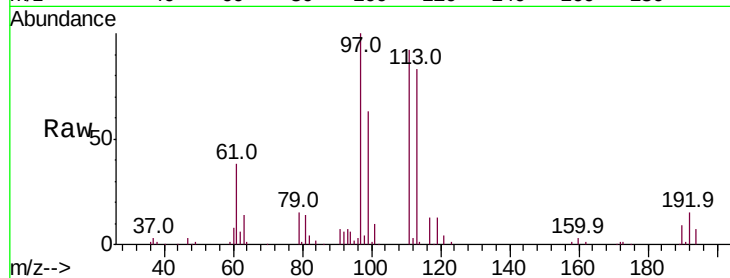
Tot Ion:113 Resp: 40658

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

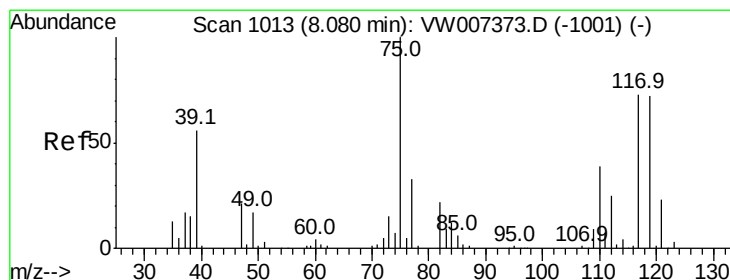
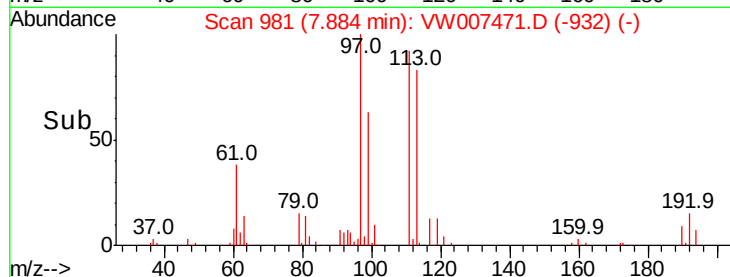
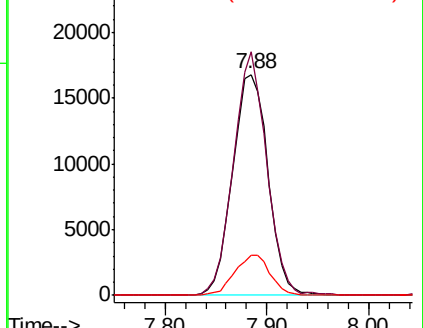
192 18.0 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.698 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

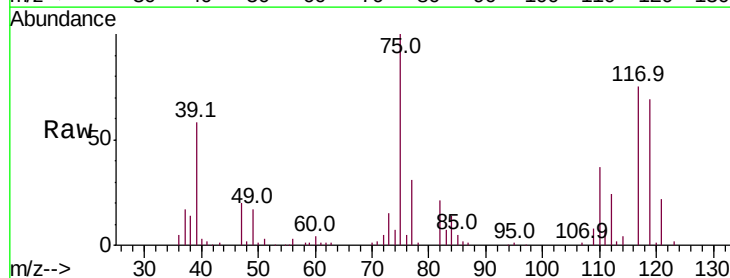
Tgt Ion: 75 Resp: 58933

Ion Ratio Lower Upper

75 100

110 36.4 18.5 55.5

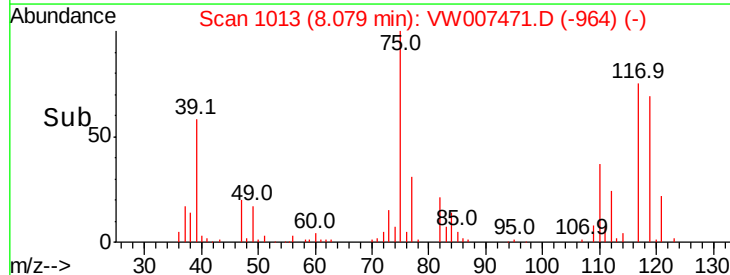
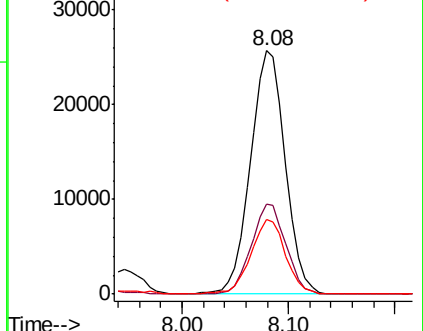
77 30.6 25.6 38.4

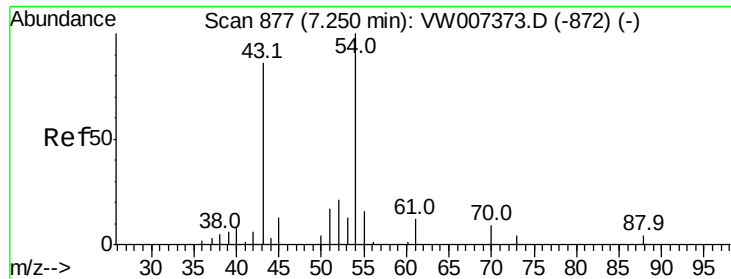


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

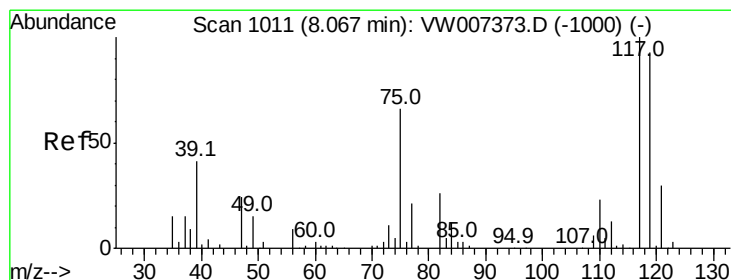
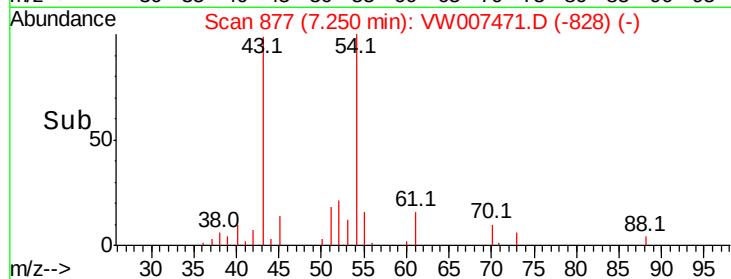
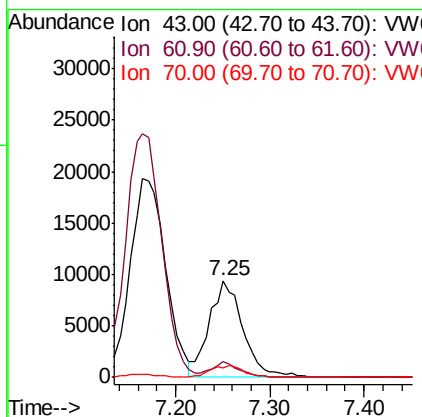
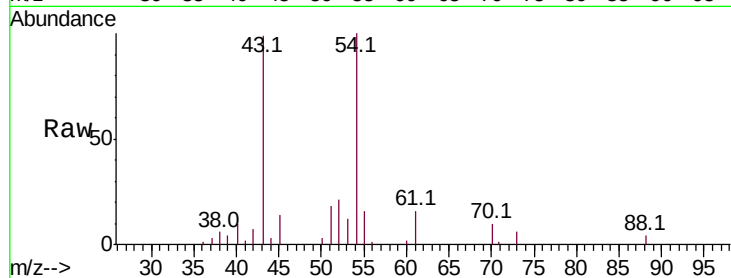




#37
Ethyl Acetate
Concen: 51.957 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

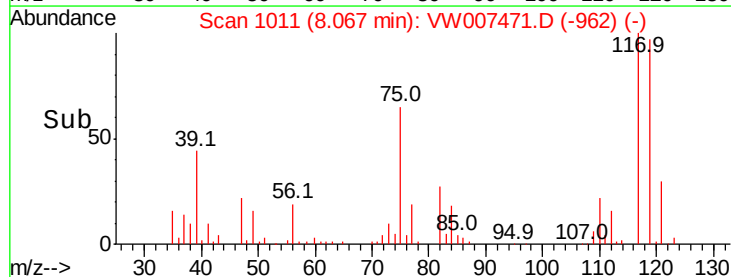
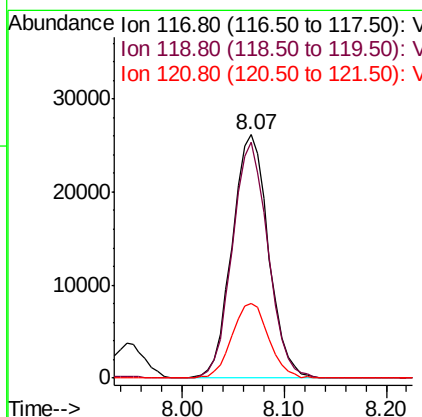
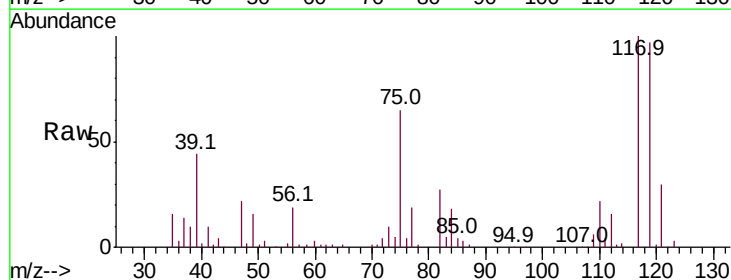
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

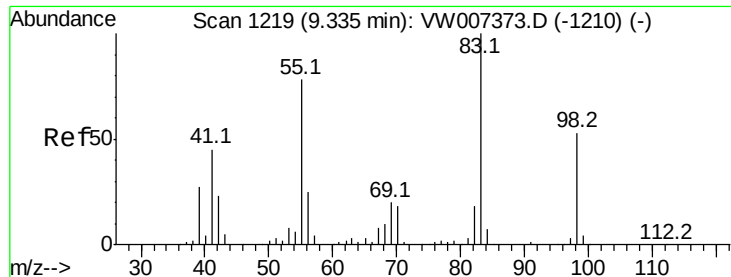
Tot Ion: 43 Resp: 23386
Ion Ratio Lower Upper
43 100
61 13.0 12.1 18.1
70 11.9 10.0 15.0



#38
Carbon Tetrachloride
Concen: 49.103 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 117 Resp: 64657
Ion Ratio Lower Upper
117 100
119 97.2 74.3 111.5
121 30.4 24.3 36.5

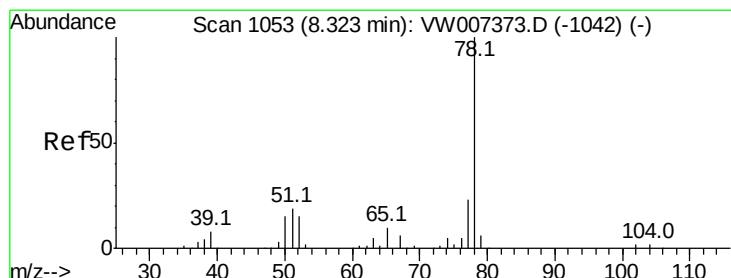
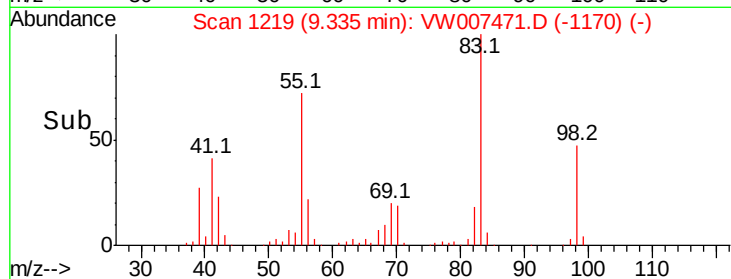
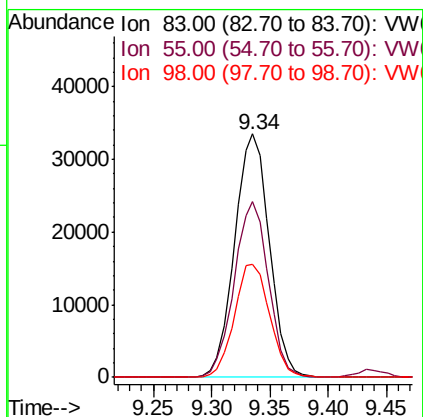
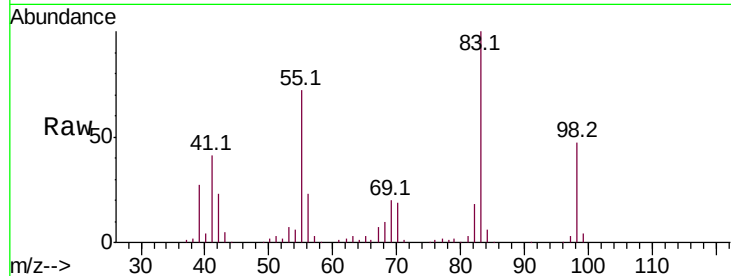




#39
Methylvlcyclohexane
Concen: 47.568 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

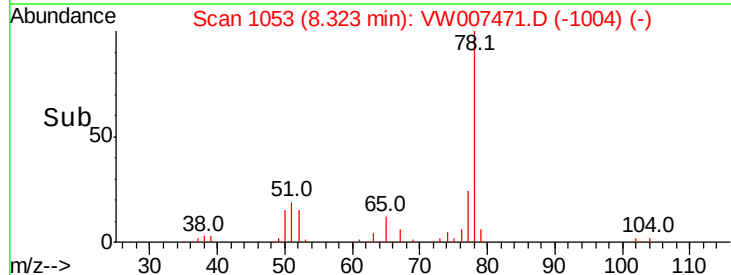
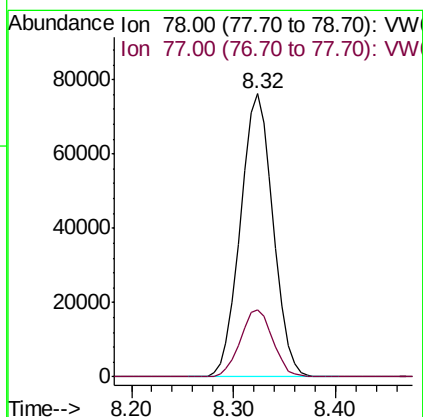
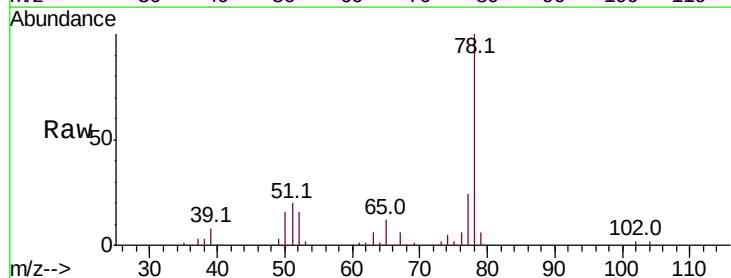
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

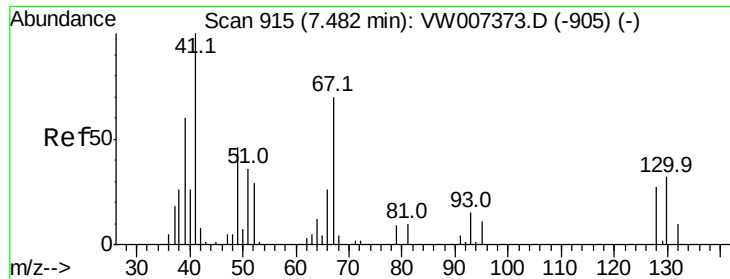
Tot Ion: 83 Resp: 69705
Ion Ratio Lower Upper
83 100
55 72.0 62.8 94.2
98 46.6 42.2 63.2



#40
Benzene
Concen: 50.375 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 78 Resp: 169181
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

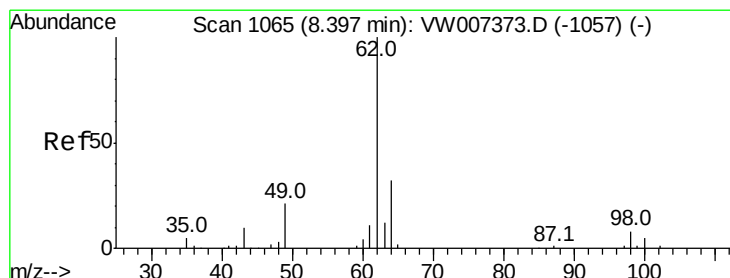
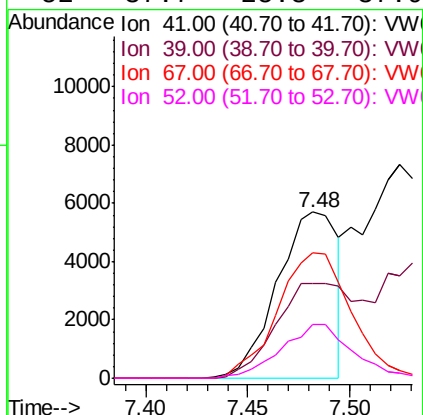
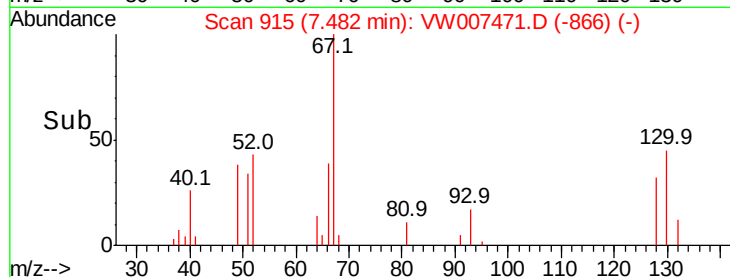
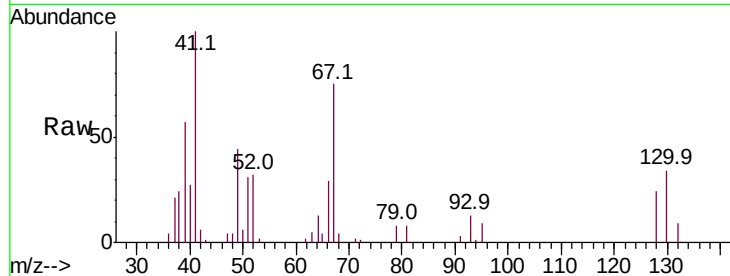




#41
Methacrylonitrile
Concen: 46.002 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

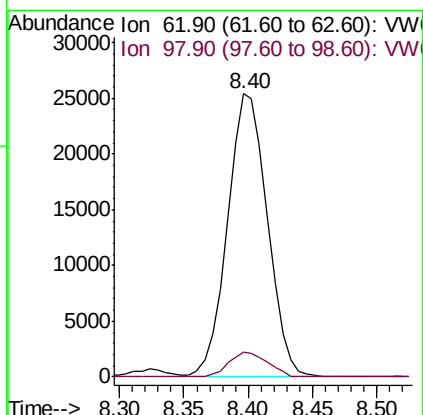
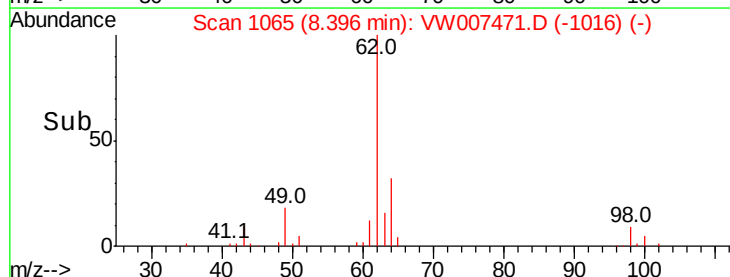
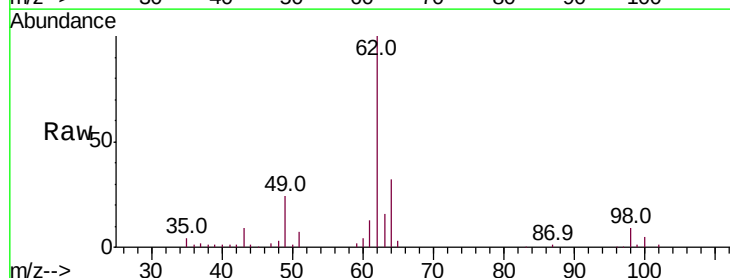
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

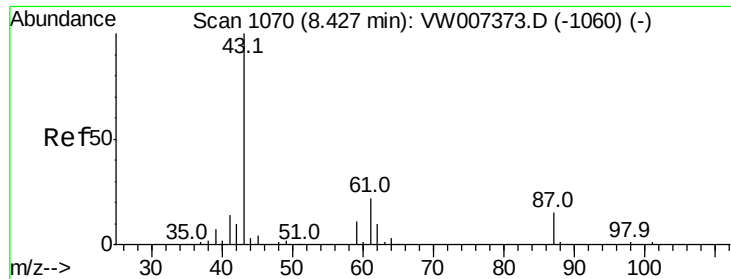
Tot Ion: 41 Resp: 11791
Ion Ratio Lower Upper
41 100
39 68.1 52.2 78.2
67 90.8 60.5 90.7#
52 37.7 25.3 37.9



#42
1,2-Dichloroethane
Concen: 51.747 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 62 Resp: 54592
Ion Ratio Lower Upper
62 100
98 8.7 0.0 17.6





#43

Isopropyl Acetate

Concen: 51.943 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

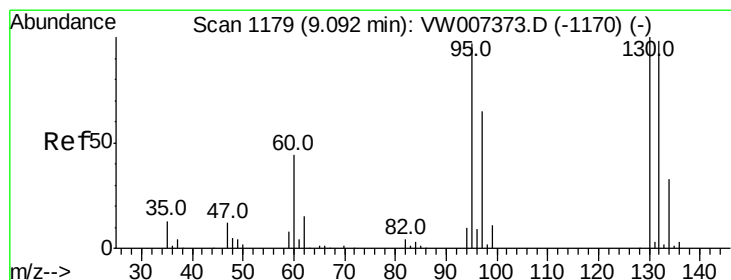
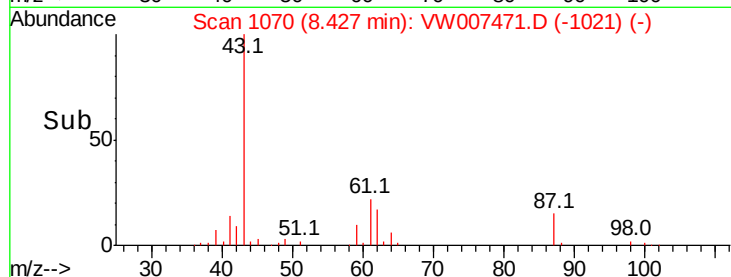
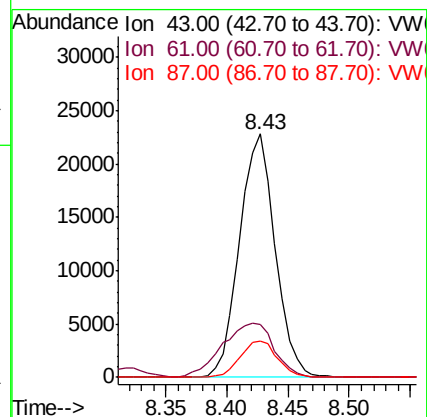
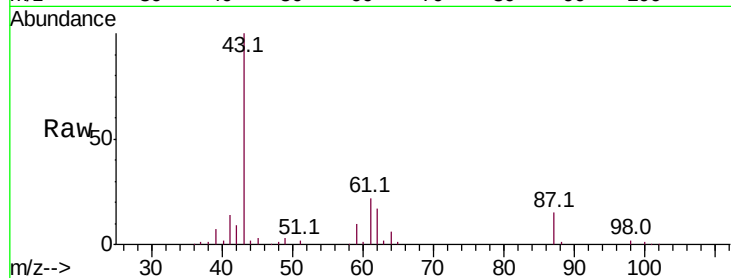
Tot Ion: 43 Resp: 46182

Ion Ratio Lower Upper

43 100

61 32.3 25.3 37.9

87 15.4 11.8 17.8



#44

Trichloroethene

Concen: 50.417 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007471.D

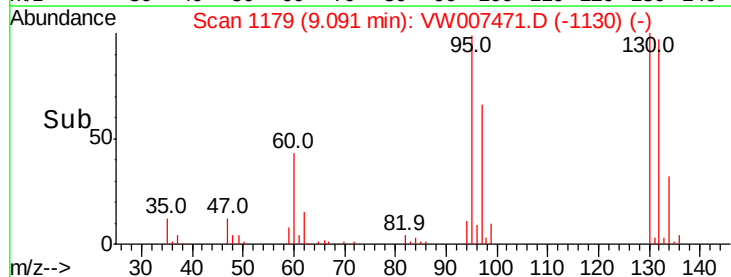
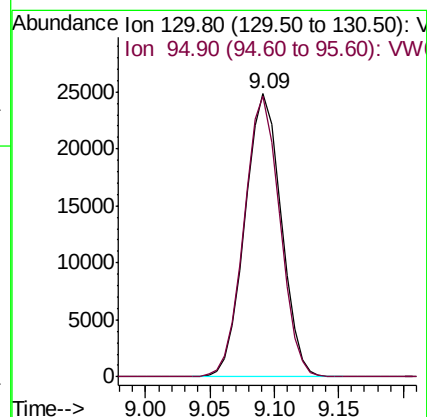
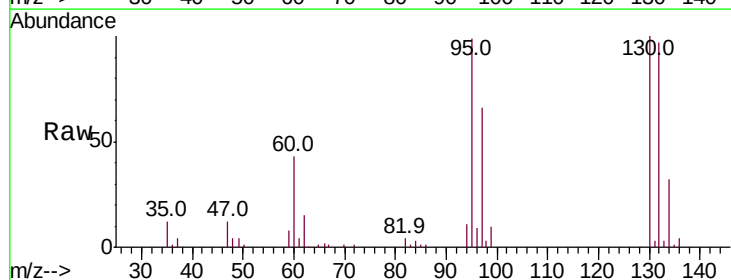
Acq: 13 Dec 2018 06:32

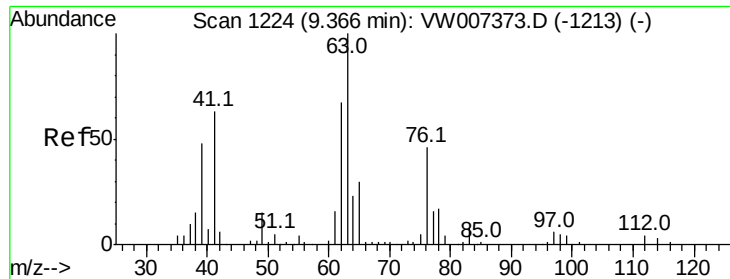
Tgt Ion: 130 Resp: 48351

Ion Ratio Lower Upper

130 100

95 99.3 0.0 193.2





#45

1,2-Dichloropropane

Concen: 52.540 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

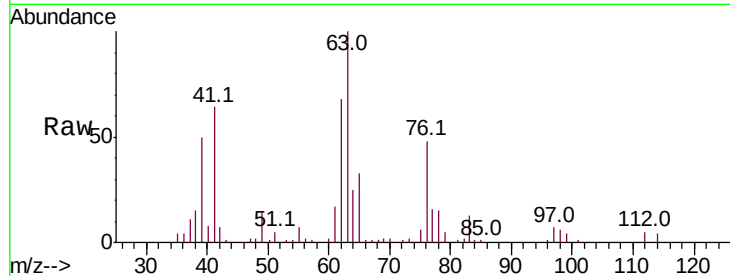
VSTDCCC050EC

Tot Ion: 63 Resp: 40833

Ion Ratio Lower Upper

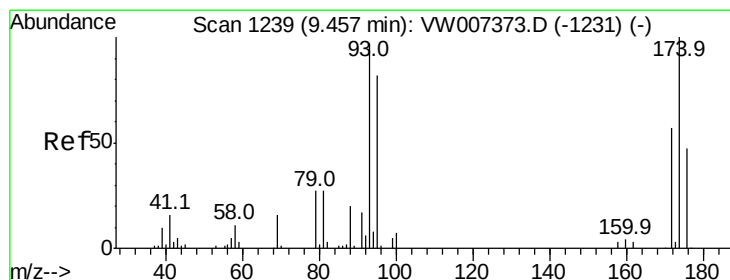
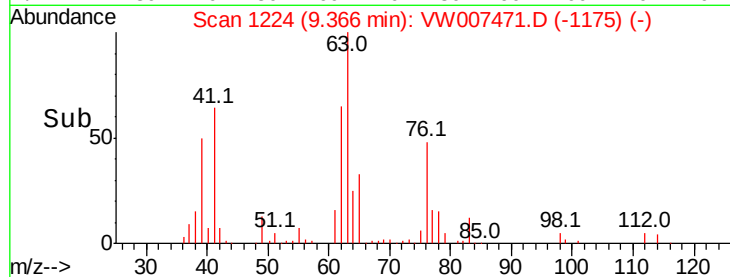
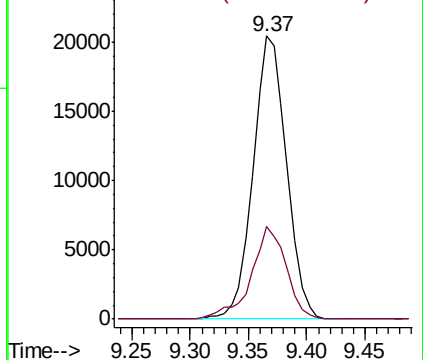
63 100

65 32.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 52.537 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

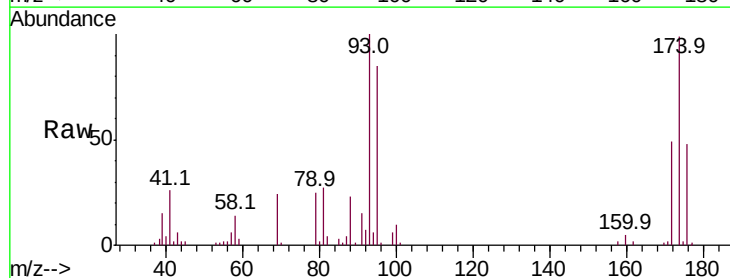
Tgt Ion: 93 Resp: 23187

Ion Ratio Lower Upper

93 100

95 83.8 68.0 102.0

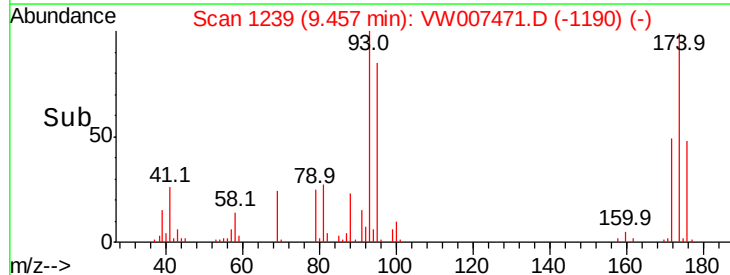
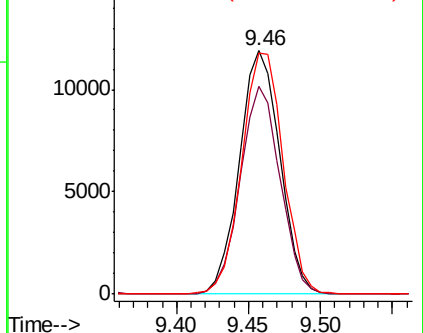
174 101.1 83.2 124.8

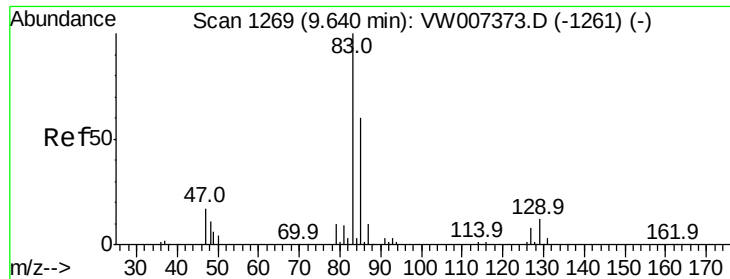


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.914 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

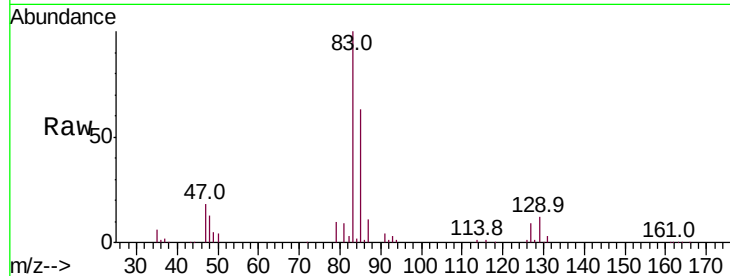
Tot Ion: 83 Resp: 60099

Ion Ratio Lower Upper

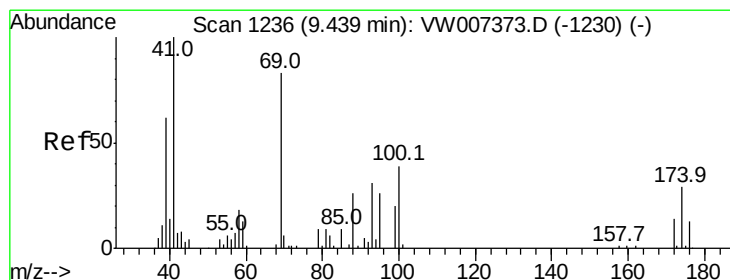
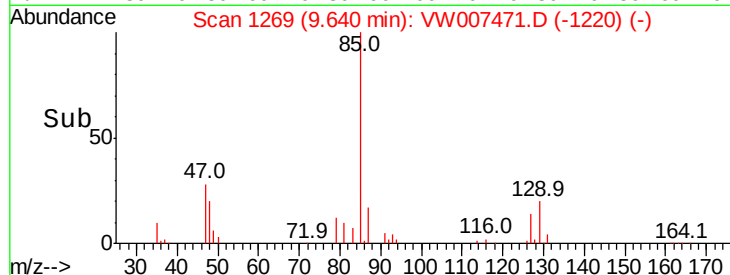
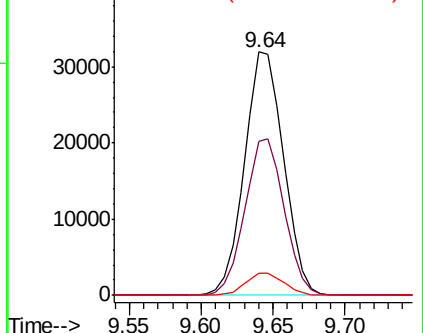
83 100

85 63.1 47.6 71.4

127 9.0 6.7 10.1



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



#48

Methyl methacrylate

Concen: 51.207 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

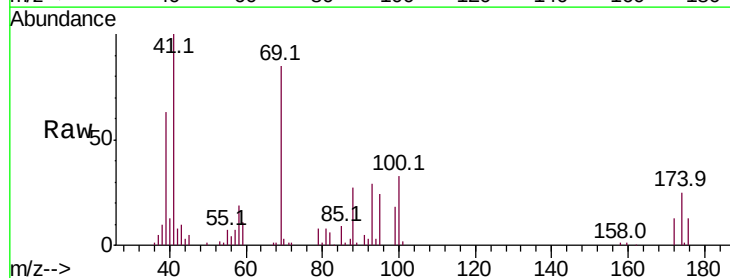
Tgt Ion: 41 Resp: 23382

Ion Ratio Lower Upper

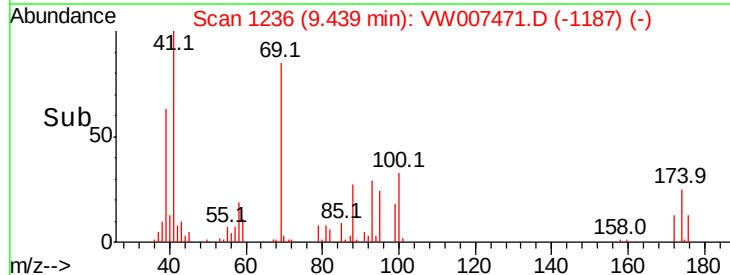
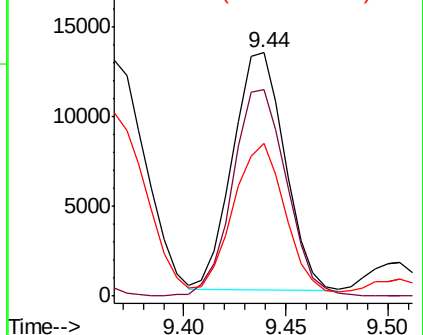
41 100

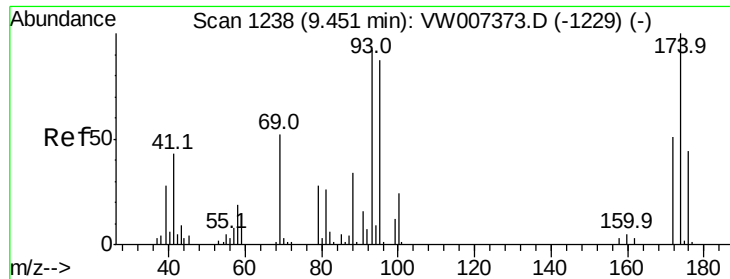
69 90.2 69.8 104.8

39 65.7 50.9 76.3



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

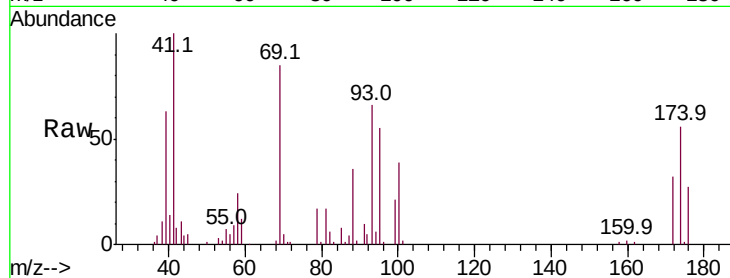




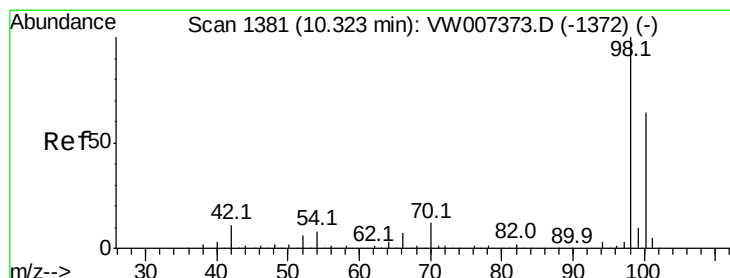
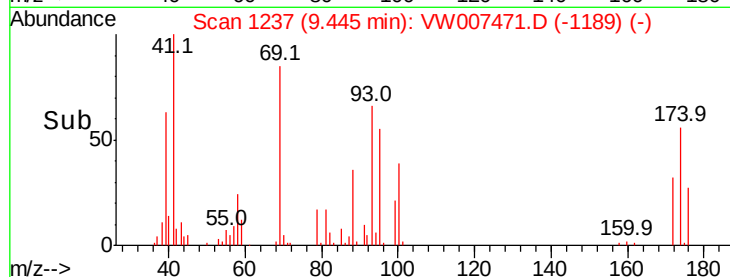
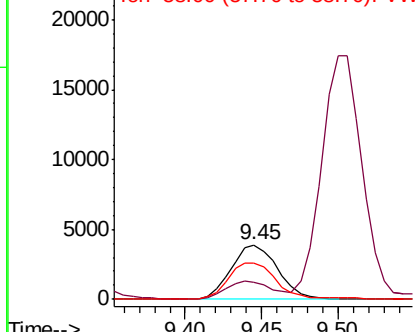
#49
 1,4-Dioxane
 Concen: 1135.153 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 8129
 Ion Ratio Lower Upper
 88 100
 43 34.7 25.0 37.4
 58 68.5 51.4 77.2

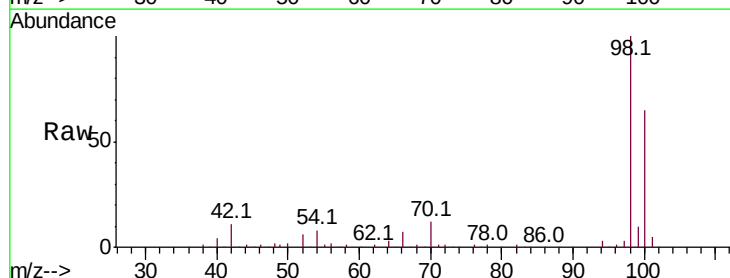


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

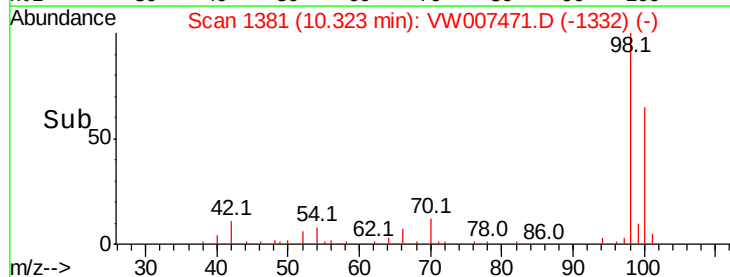
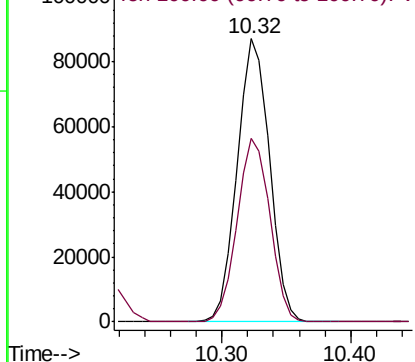


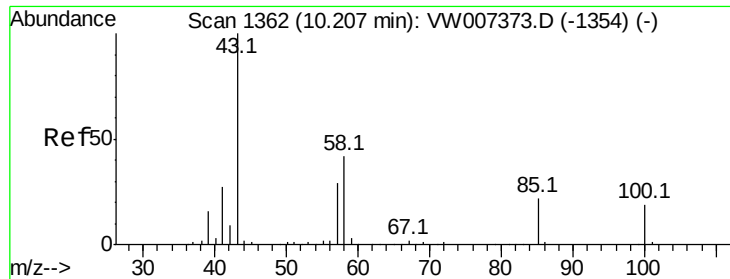
#50
 Toluene-d8
 Concen: 50.322 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 98 Resp: 151516
 Ion Ratio Lower Upper
 98 100
 100 65.6 51.8 77.8



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

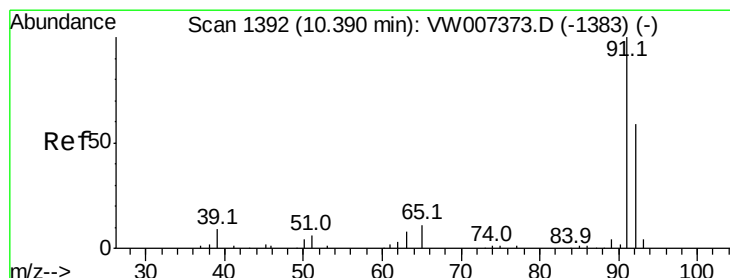
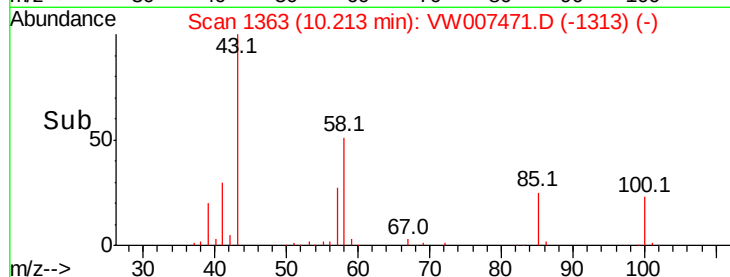
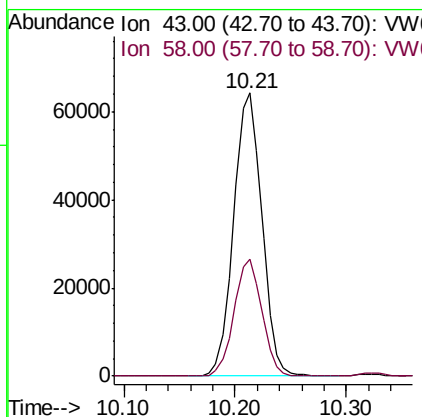
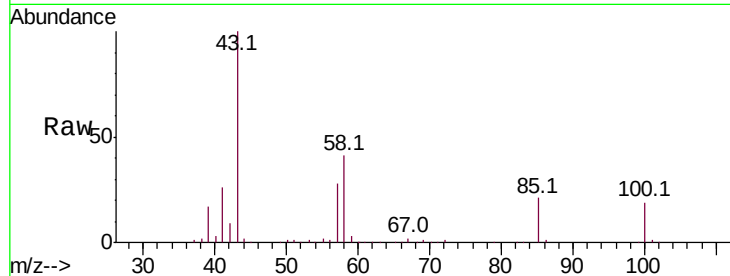




#51
4-Methyl-2-Pentanone
Concen: 268.235 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

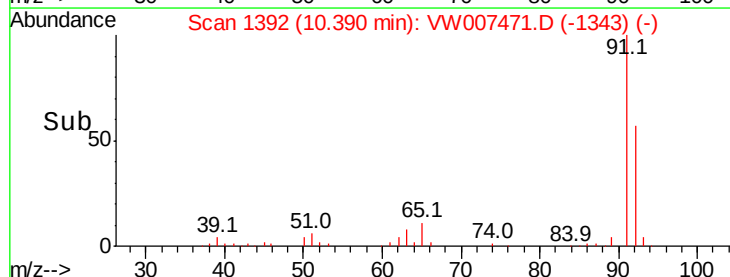
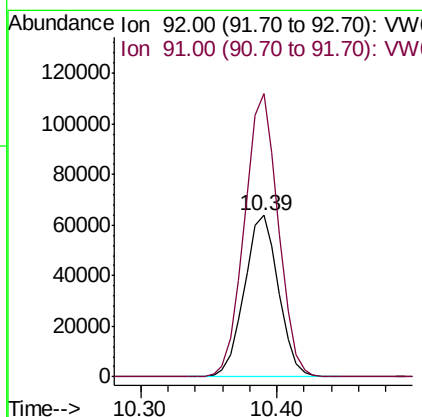
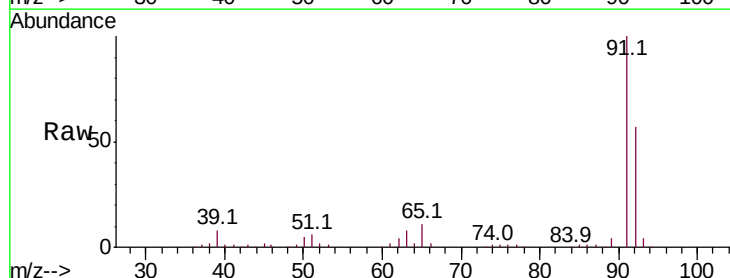
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

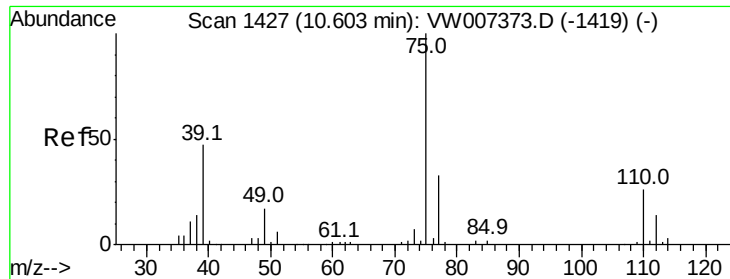
Tot Ion: 43 Resp: 112684
Ion Ratio Lower Upper
43 100
58 40.7 33.1 49.7



#52
Toluene
Concen: 51.598 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 92 Resp: 112142
Ion Ratio Lower Upper
92 100
91 172.8 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 52.970 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

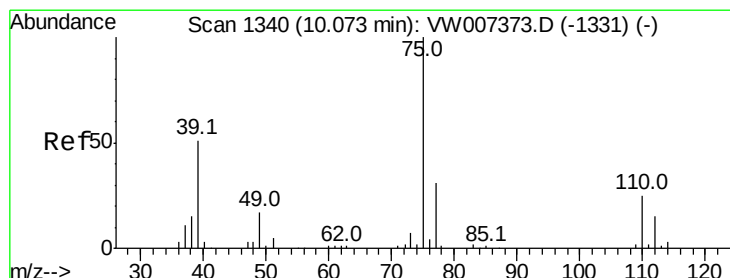
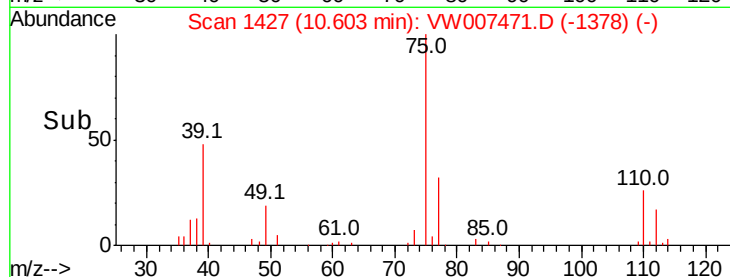
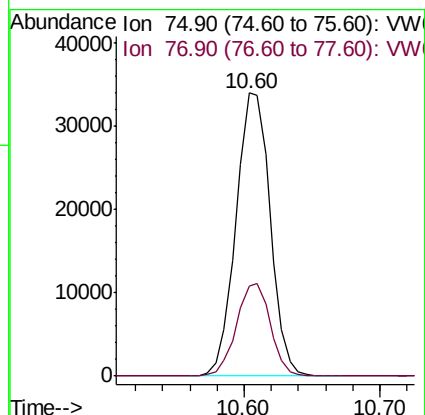
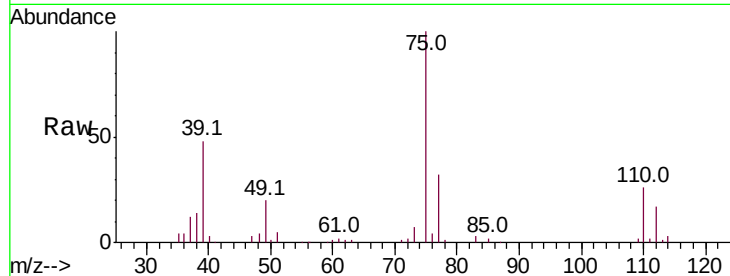
VSTDCCC050EC

Tot Ion: 75 Resp: 59532

Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 51.514 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

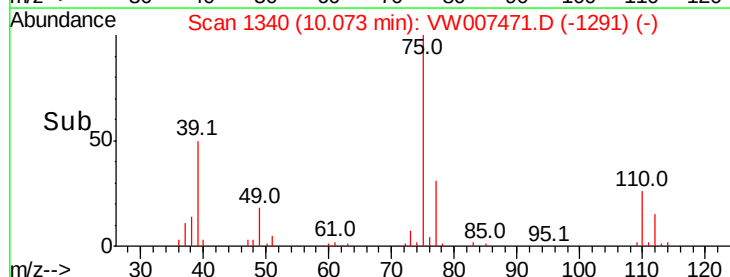
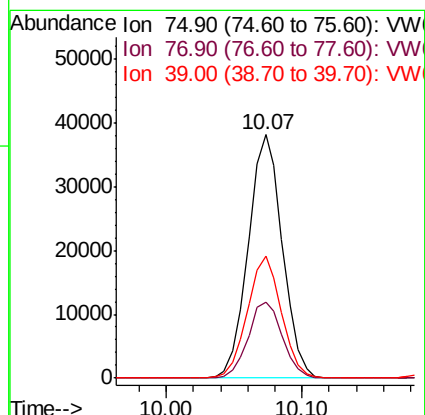
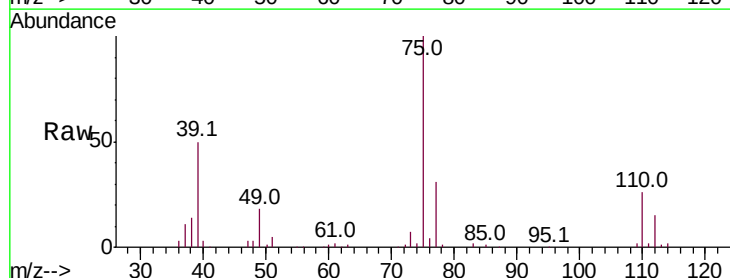
Tgt Ion: 75 Resp: 66928

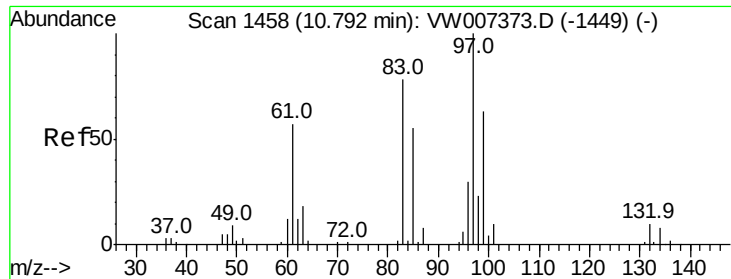
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 50.3 40.9 61.3

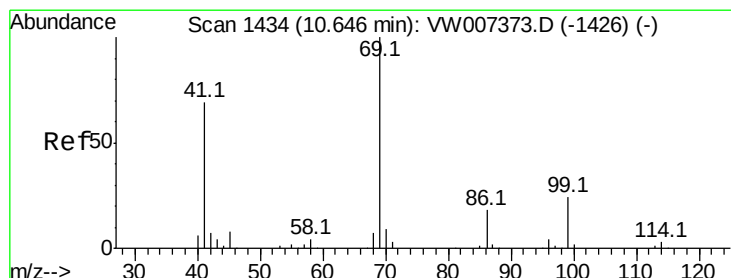
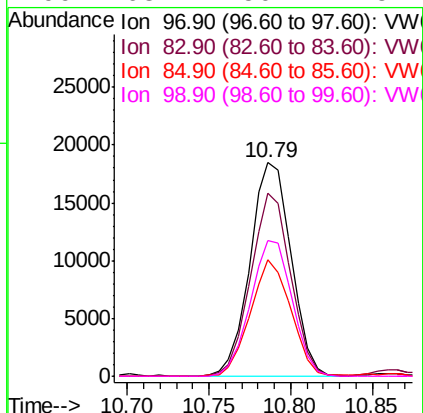
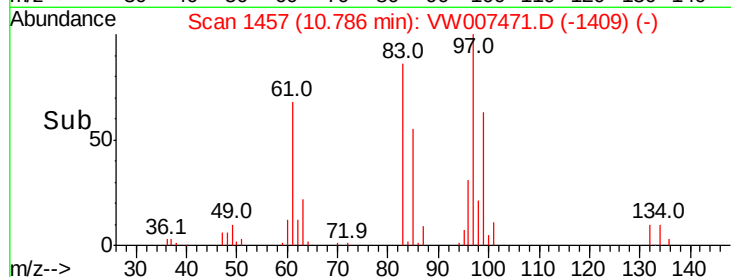
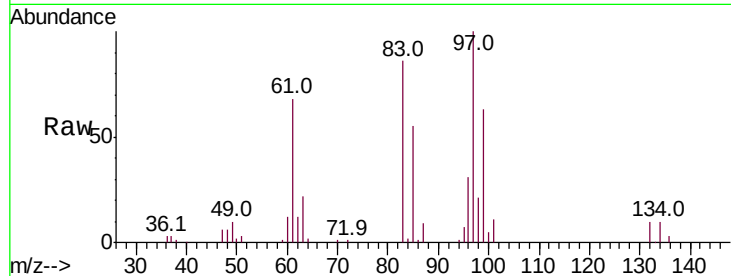




#55
 1,1,2-Trichloroethane
 Concen: 54.068 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

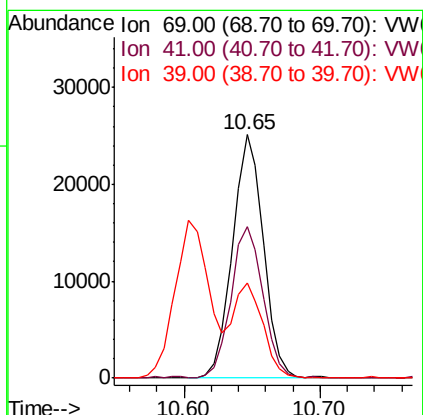
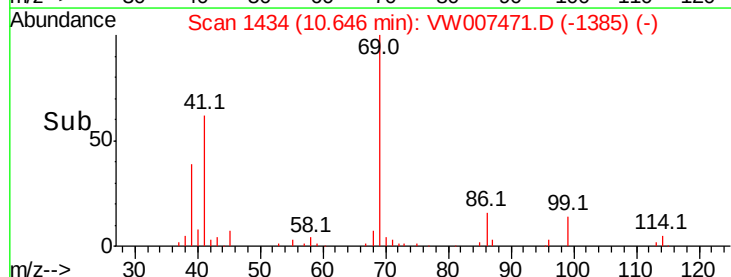
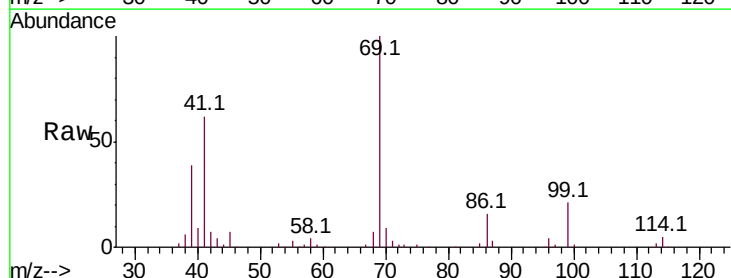
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

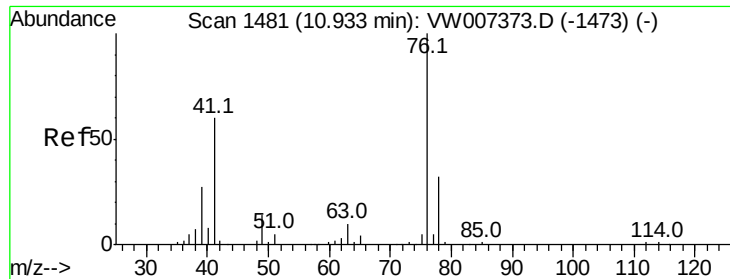
Tot Ion:	97	Resp:	32477
Ion	Ratio	Lower	Upper
97	100		
83	85.8	62.1	93.1
85	54.7	44.2	66.4
99	63.4	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 54.929 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion:	69	Resp:	39658
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.0	76.6
39	38.3	30.8	46.2

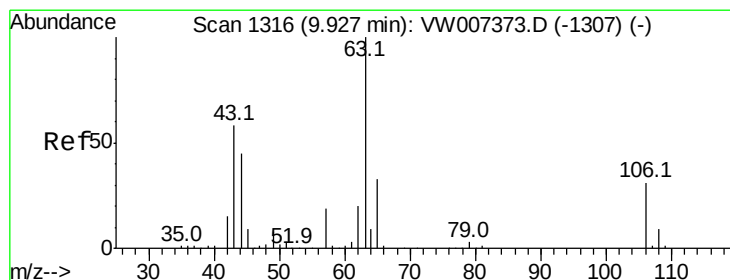
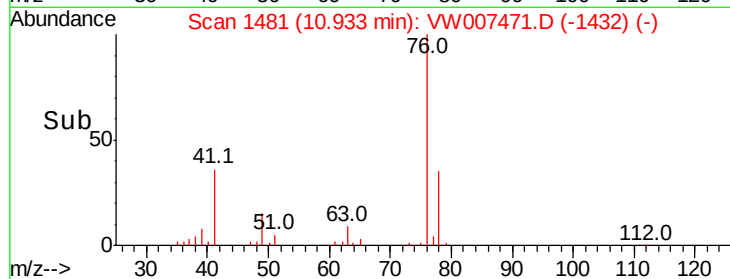
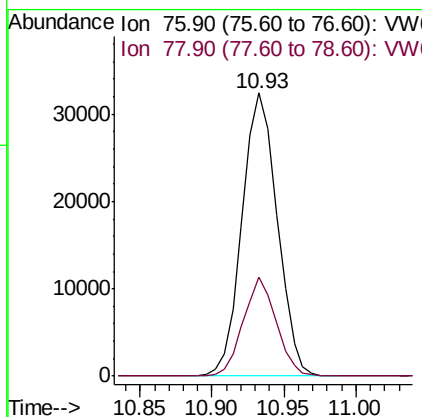
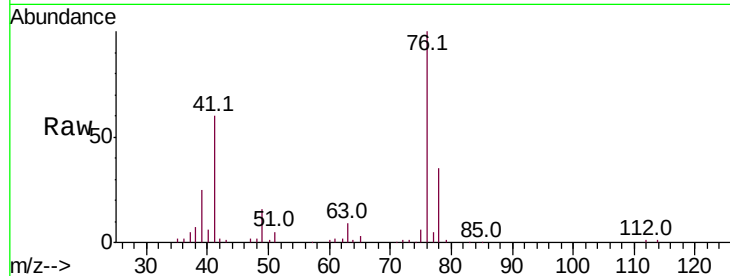




#57
 1,3-Dichloropropane
 Concen: 55.781 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

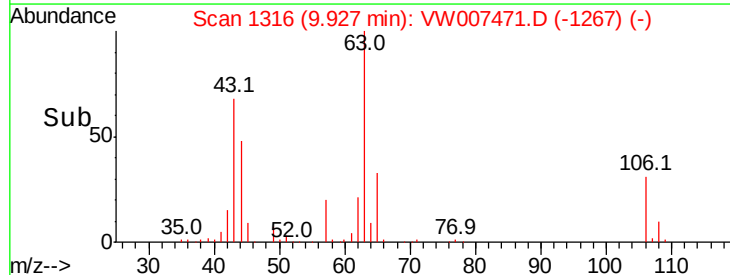
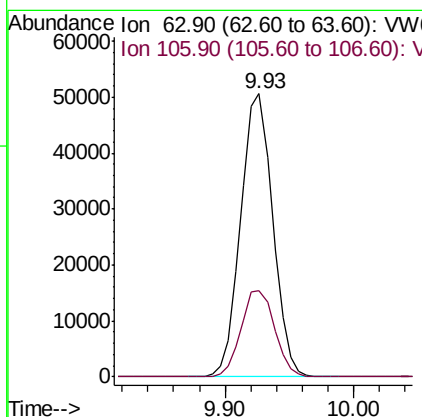
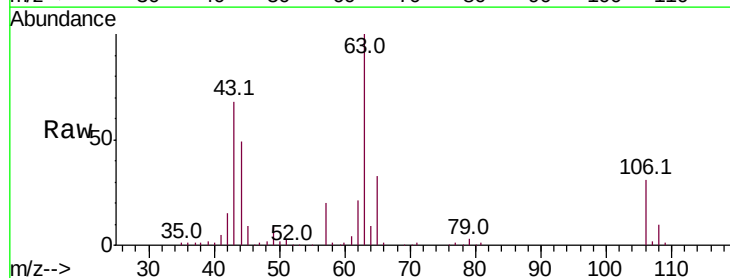
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

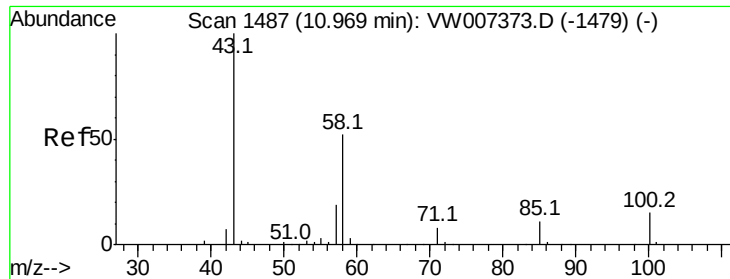
Tot Ion: 76 Resp: 54996
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.258 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 63 Resp: 86984
 Ion Ratio Lower Upper
 63 100
 106 32.1 25.0 37.6





#59

2-Hexanone

Concen: 283.301 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

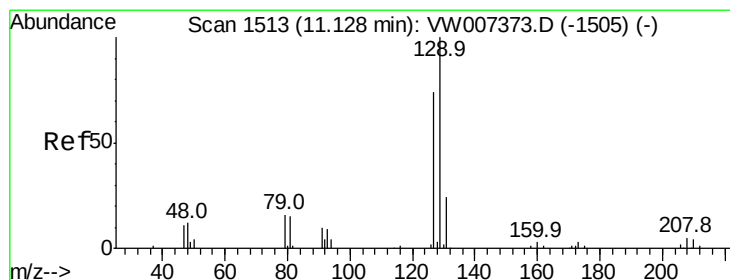
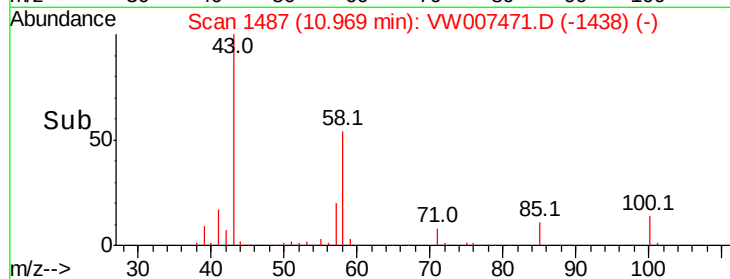
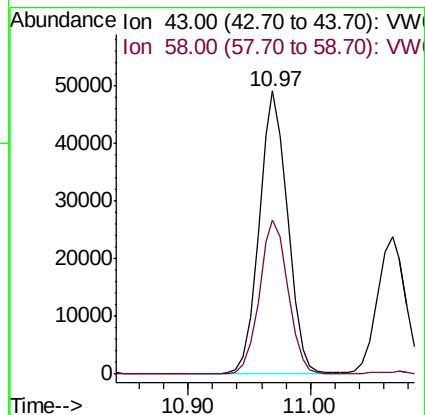
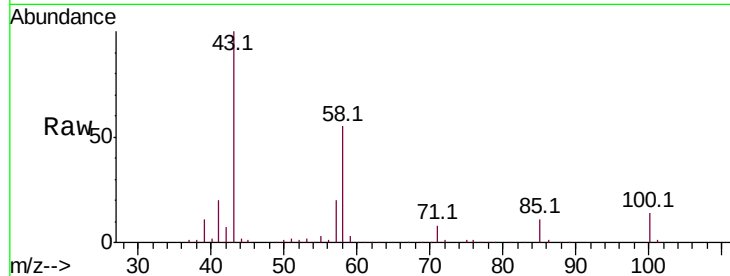
VSTDCCC050EC

Tot Ion: 43 Resp: 79358

Ion Ratio Lower Upper

43 100

58 54.9 27.1 81.3



#60

Dibromochloromethane

Concen: 55.280 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007471.D

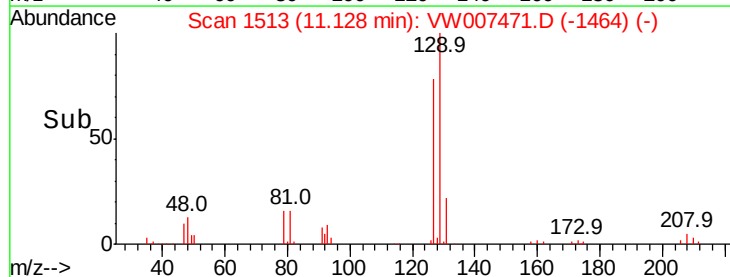
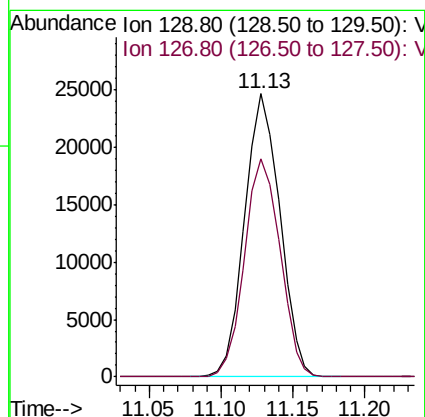
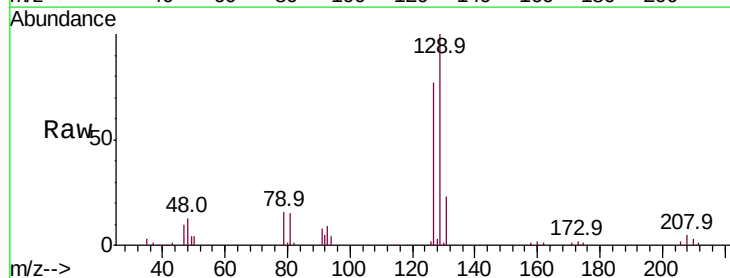
Acq: 13 Dec 2018 06:32

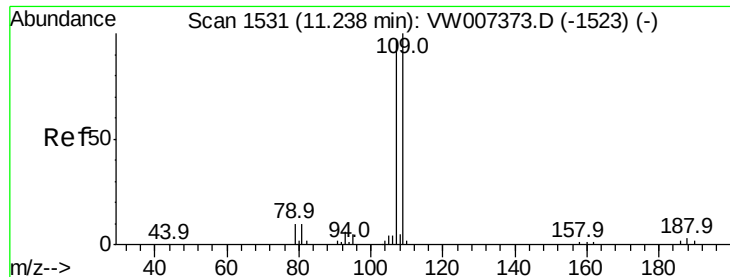
Tgt Ion: 129 Resp: 41905

Ion Ratio Lower Upper

129 100

127 77.8 38.1 114.3

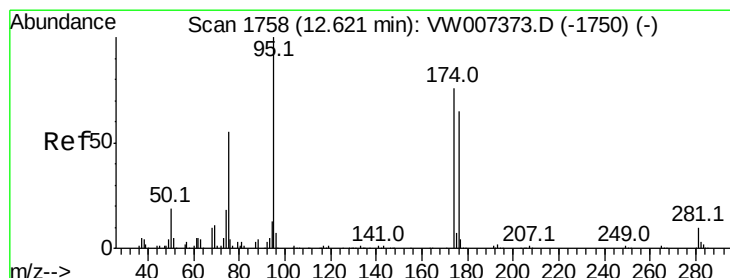
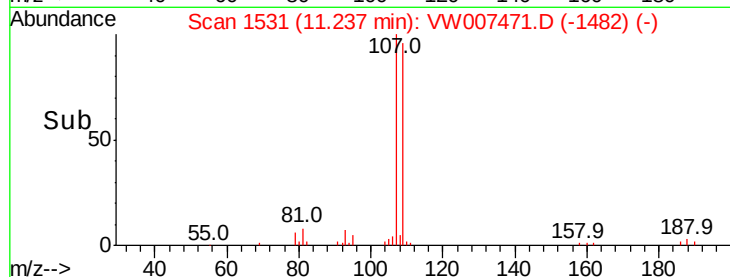
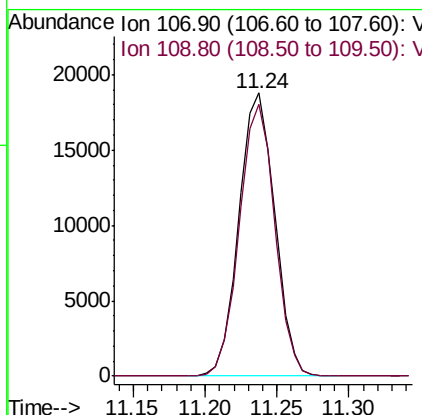
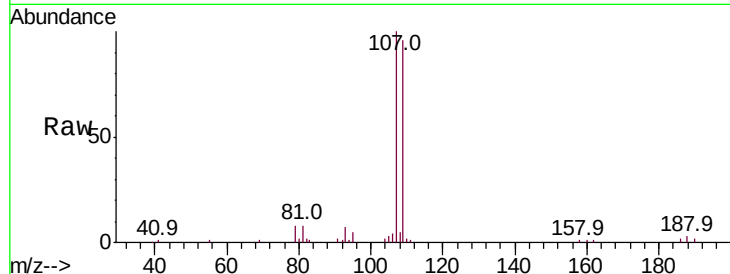




#61
 1,2-Dibromoethane
 Concen: 54.617 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

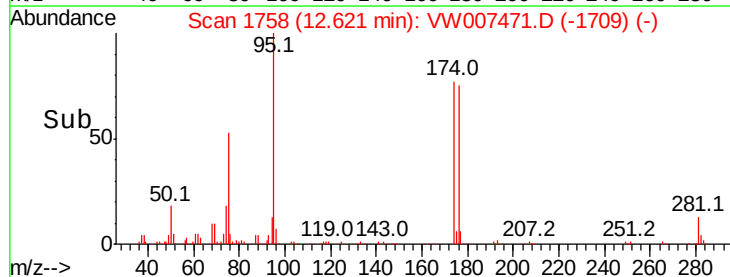
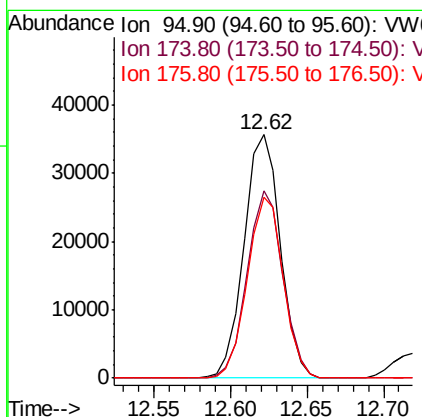
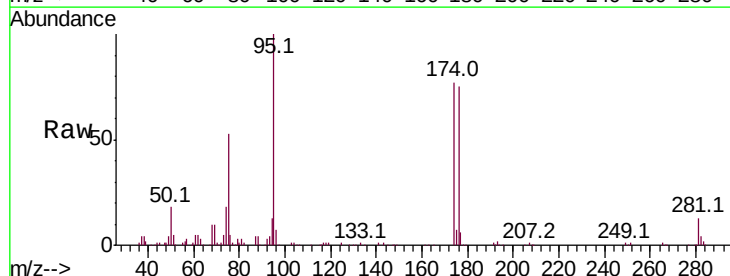
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

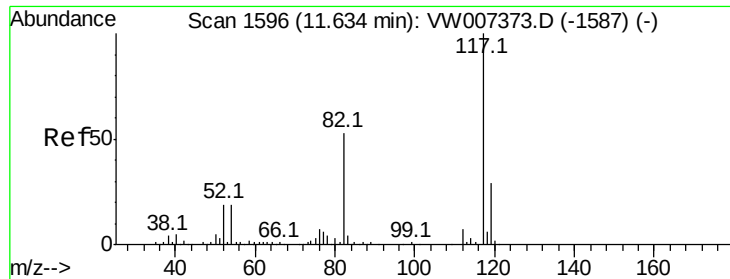
Tot Ion:107 Resp: 32421
 Ion Ratio Lower Upper
 107 100
 109 94.9 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 53.106 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 95 Resp: 58791
 Ion Ratio Lower Upper
 95 100
 174 75.9 0.0 147.2
 176 73.7 0.0 138.8

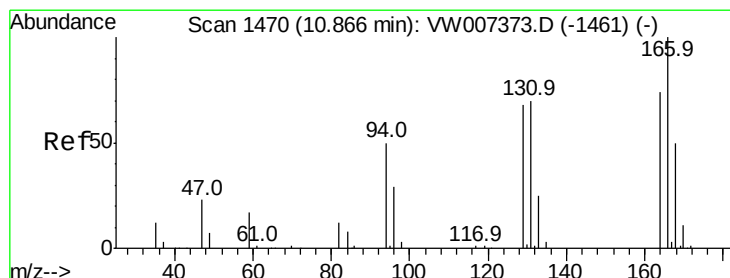
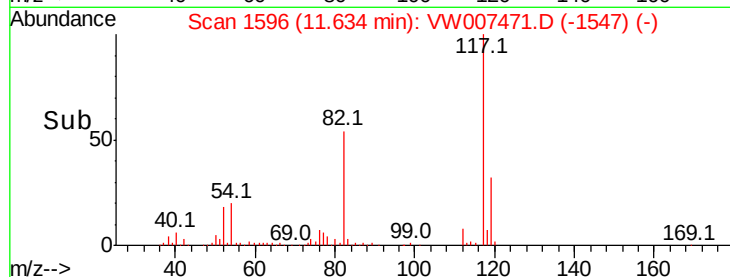
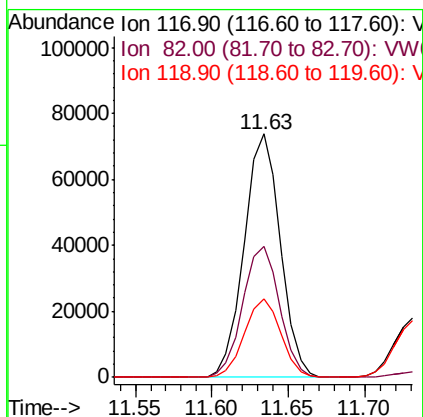
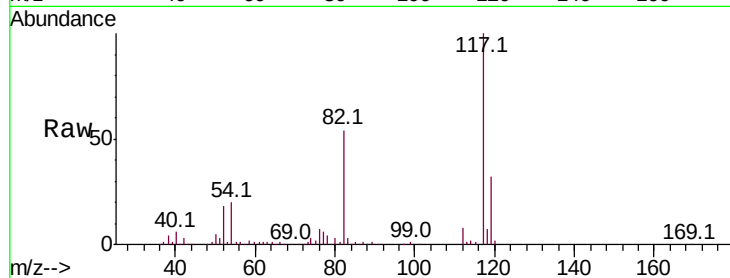




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

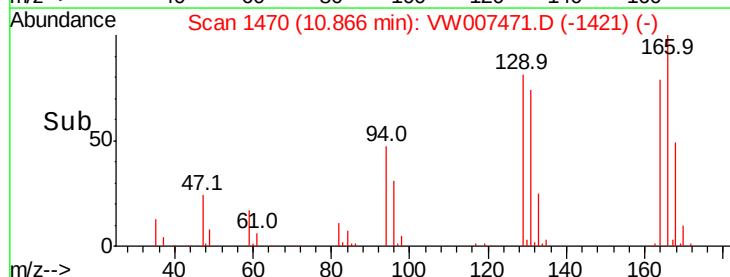
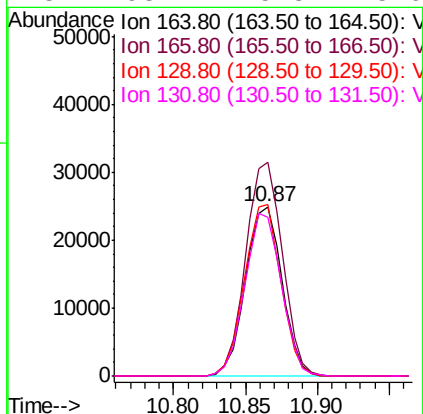
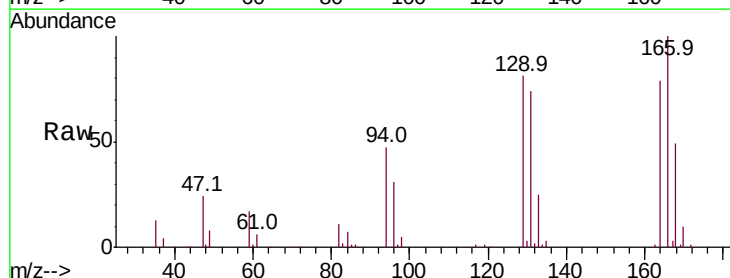
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

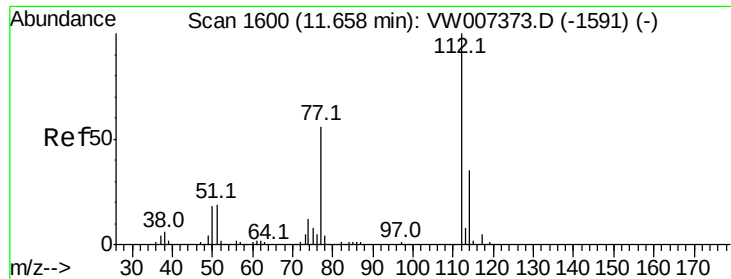
Tot Ion:117 Resp: 121484
Ion Ratio Lower Upper
117 100
82 53.9 42.3 63.5
119 32.5 23.0 34.6



#64
Tetrachloroethene
Concen: 49.845 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion:164 Resp: 43546
Ion Ratio Lower Upper
164 100
166 126.2 107.9 161.9
129 101.6 73.4 110.2
131 93.7 75.8 113.6

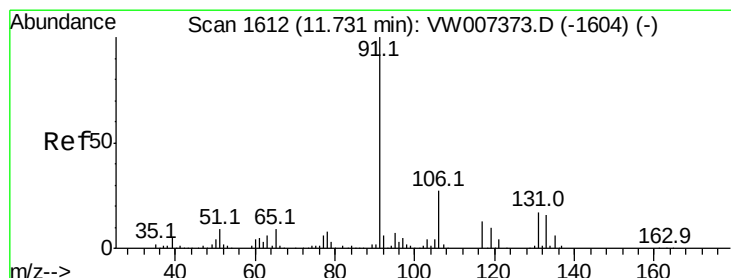
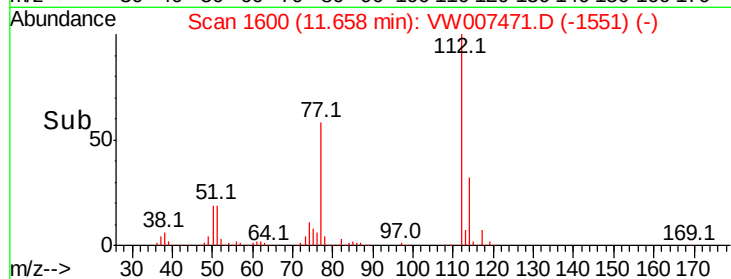
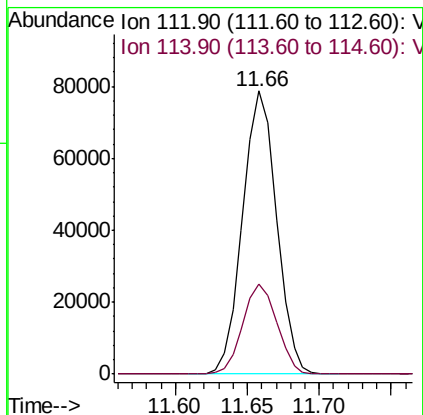
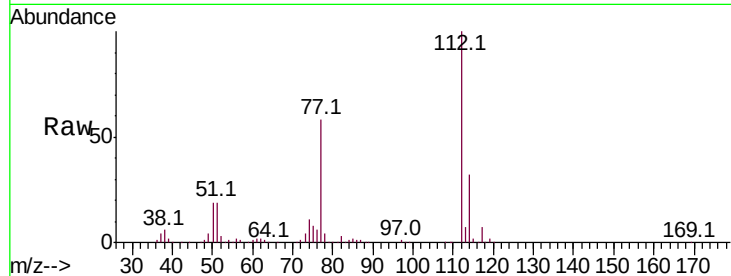




#65
Chlorobenzene
Concen: 50.863 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

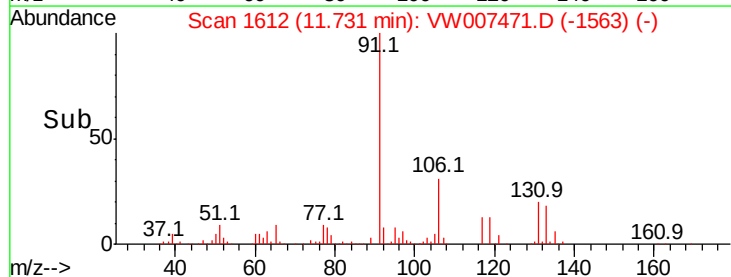
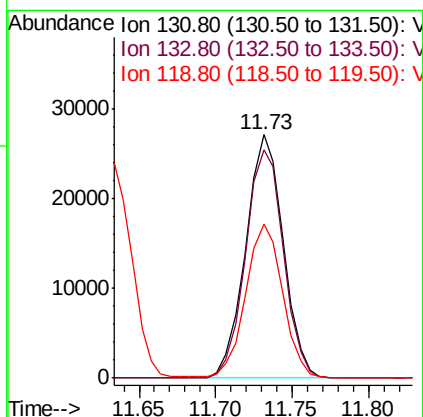
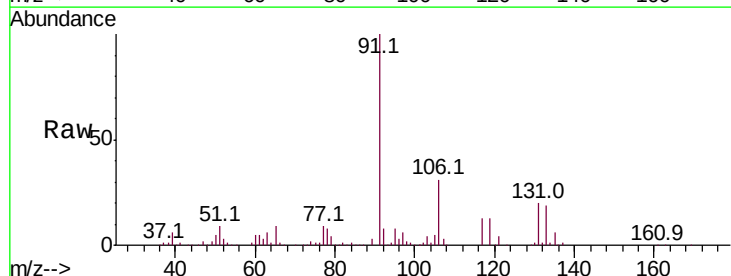
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

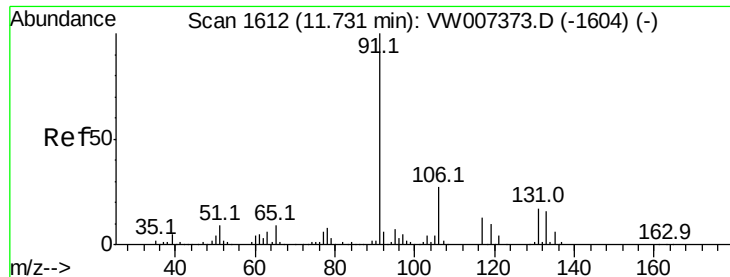
Tot Ion:112 Resp: 128790
Ion Ratio Lower Upper
112 100
114 31.8 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.860 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion:131 Resp: 46249
Ion Ratio Lower Upper
131 100
133 94.4 47.1 141.4
119 62.9 31.3 93.9

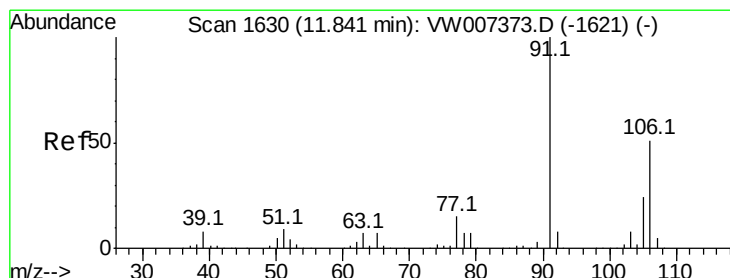
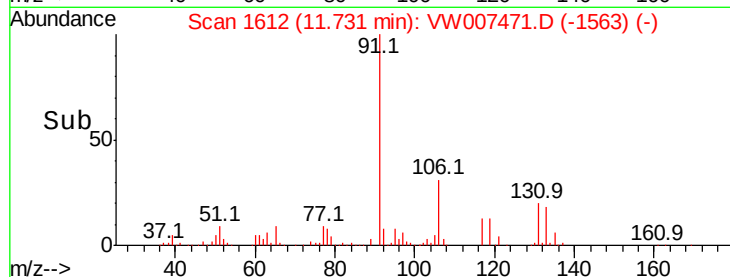
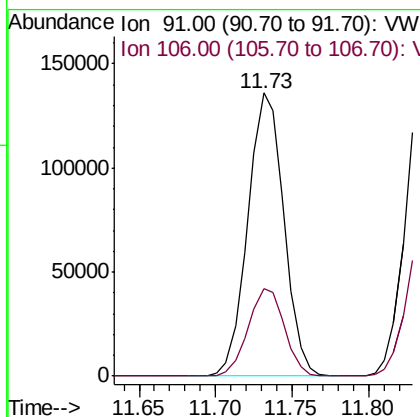
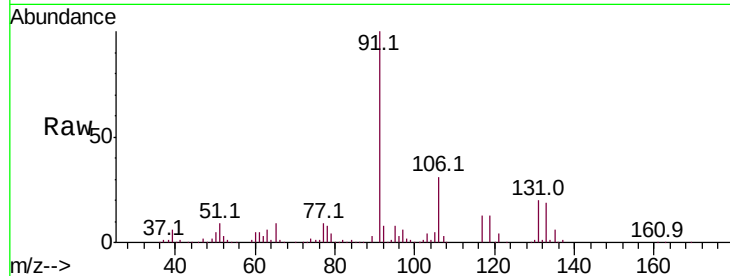




#67
Ethyl Benzene
Concen: 51.223 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

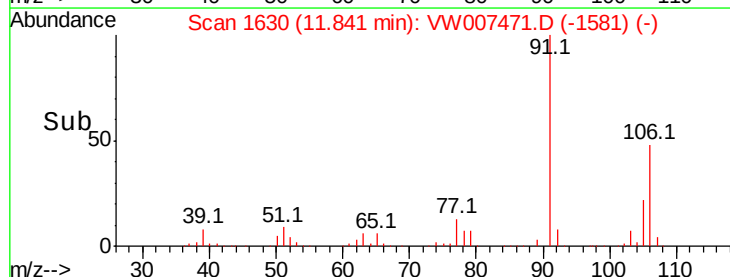
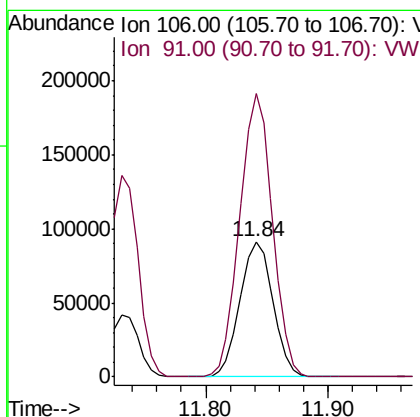
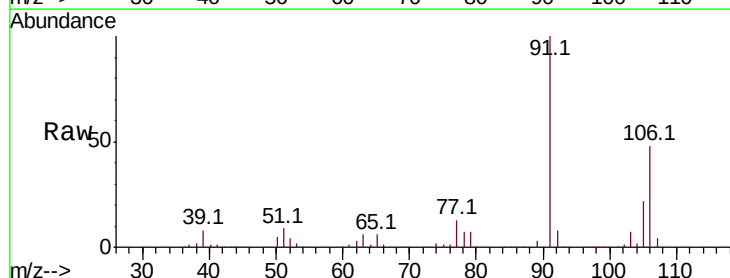
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

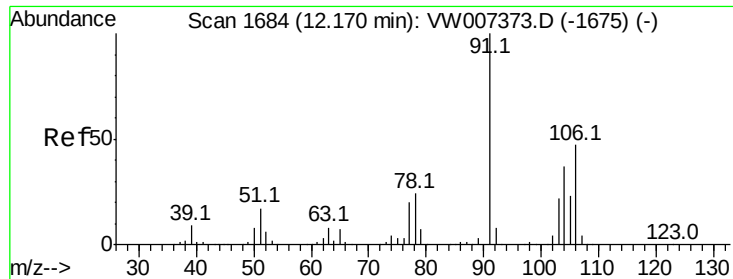
Tot Ion: 91 Resp: 222994
Ion Ratio Lower Upper
91 100
106 31.1 21.8 32.8



#68
m/p-Xylenes
Concen: 101.293 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 106 Resp: 171430
Ion Ratio Lower Upper
106 100
91 207.2 165.3 247.9

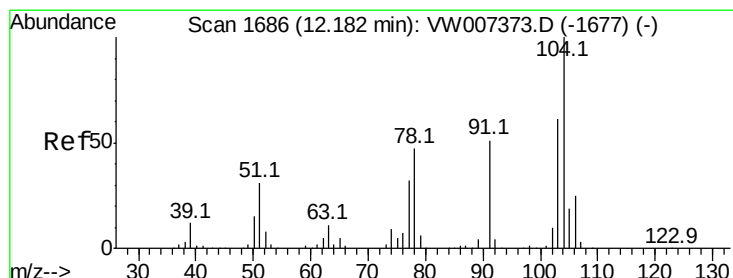
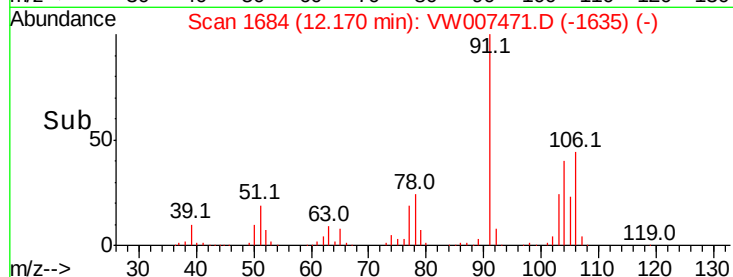
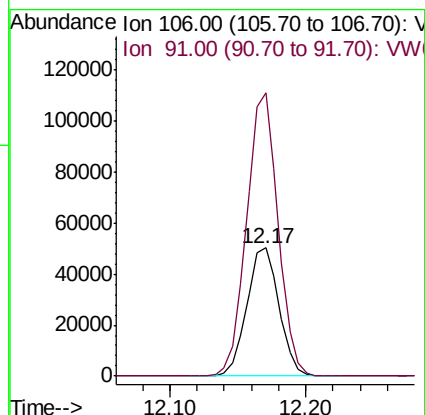
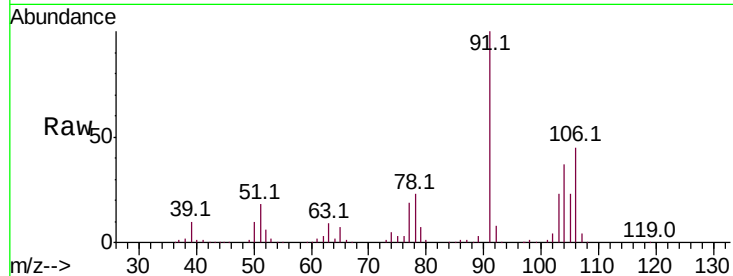




#69
o-Xylene
Concen: 52.732 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

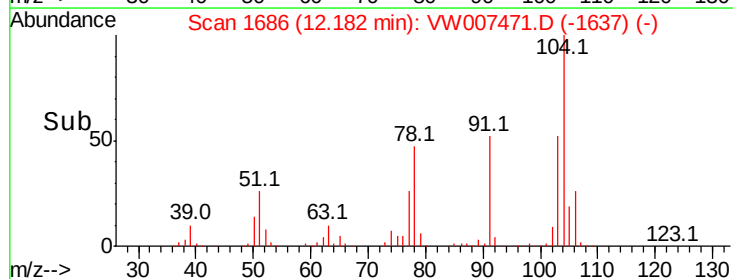
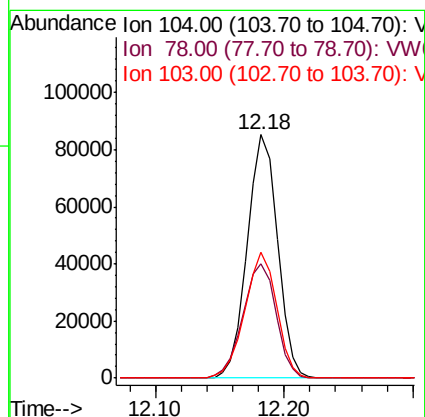
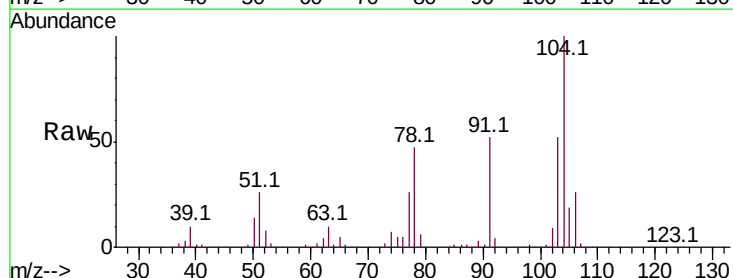
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

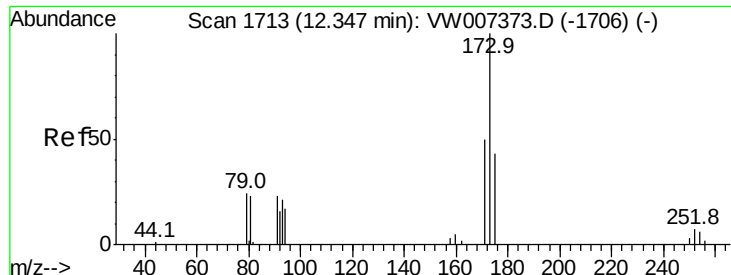
Tot Ion:106 Resp: 83348
Ion Ratio Lower Upper
106 100
91 215.3 106.6 319.8



#70
Styrene
Concen: 54.132 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion:104 Resp: 138199
Ion Ratio Lower Upper
104 100
78 51.6 41.8 62.8
103 54.5 46.6 69.8





#71

Bromoform

Concen: 50.733 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

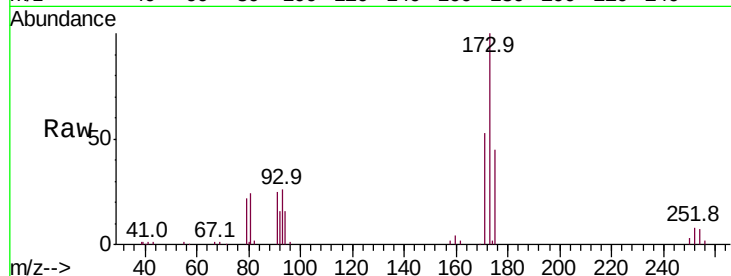
Tot Ion:173 Resp: 23158

Ion Ratio Lower Upper

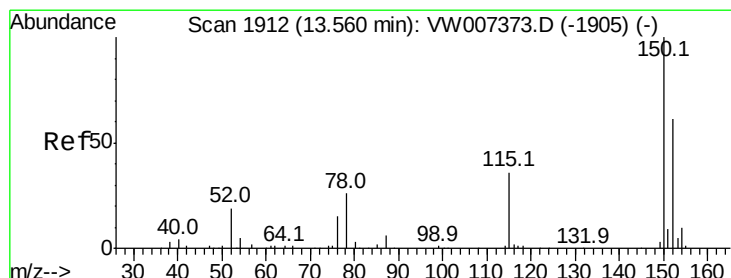
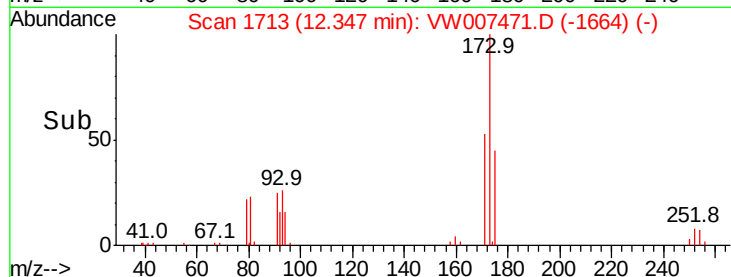
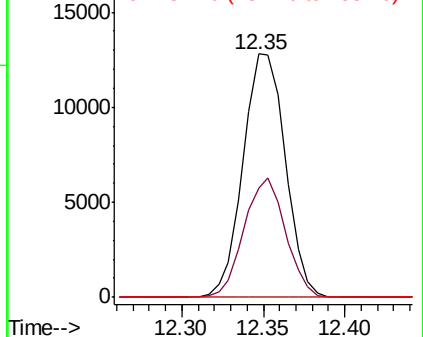
173 100

175 47.7 23.6 70.8

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: VW007471.D

Acq: 13 Dec 2018 06:32

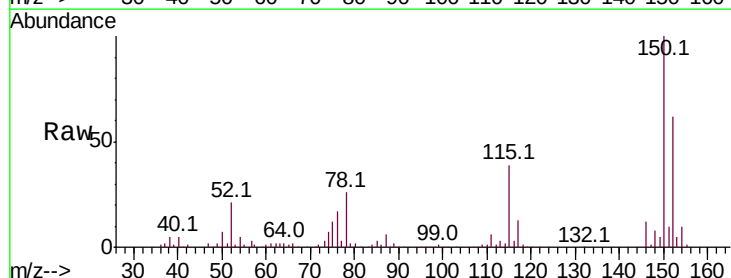
Tgt Ion:152 Resp: 59931

Ion Ratio Lower Upper

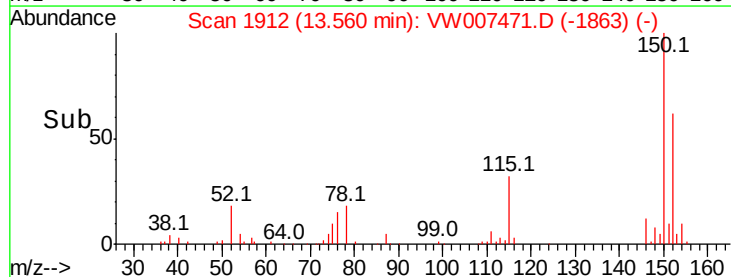
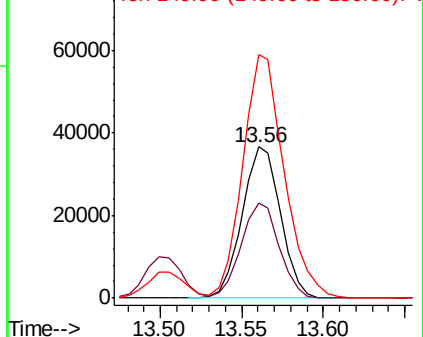
152 100

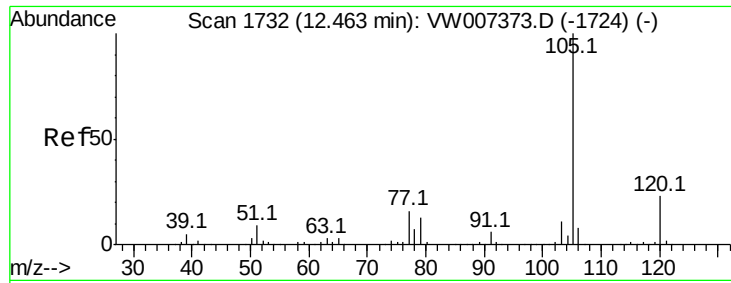
115 62.6 31.4 94.2

150 173.7 0.0 358.4



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

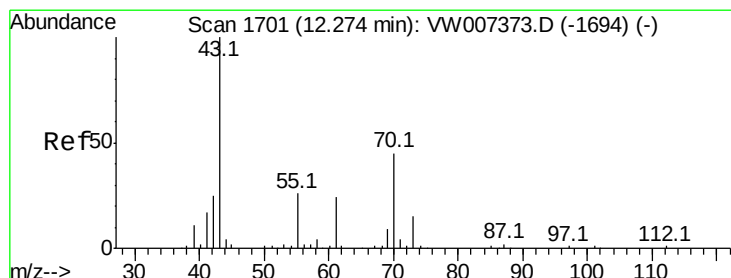
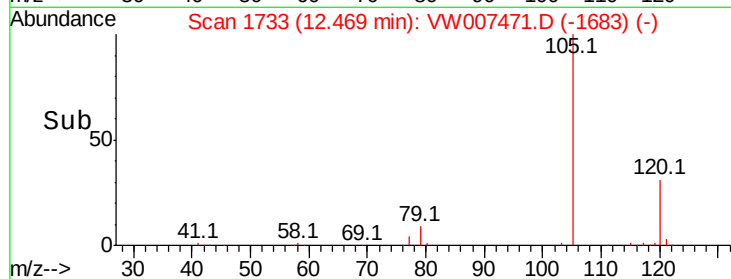
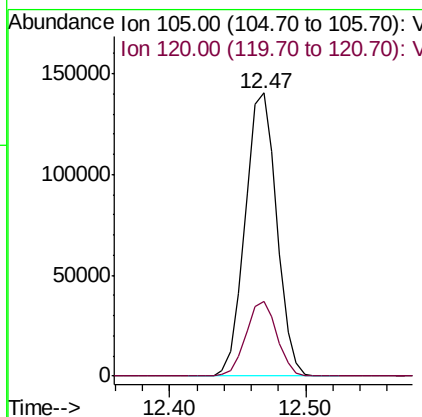
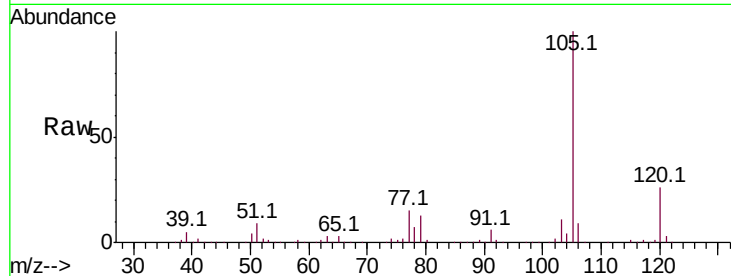




#73
Isopropylbenzene
Concen: 49.771 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

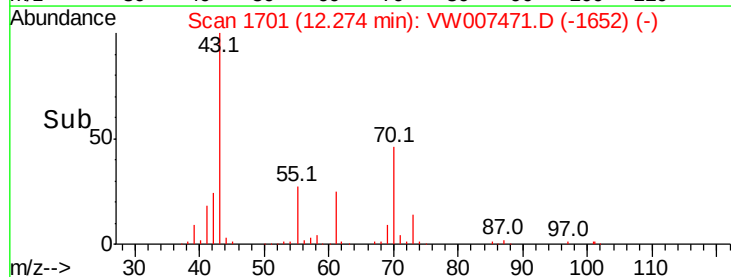
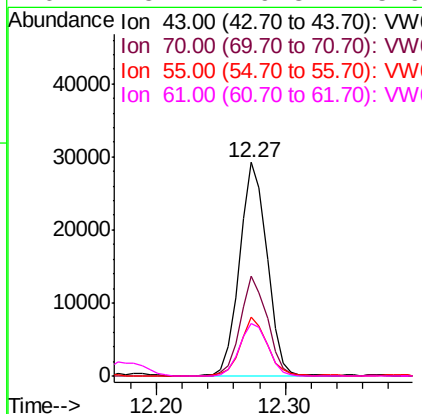
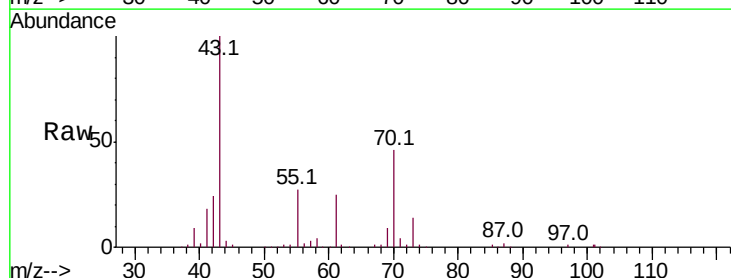
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

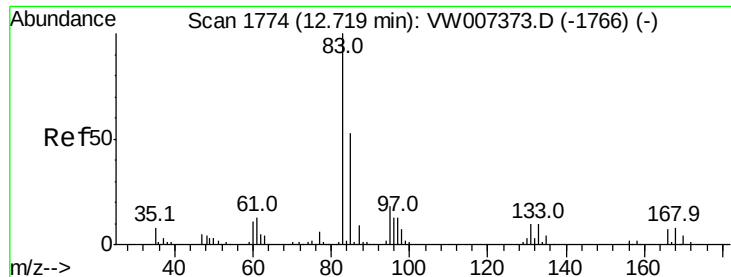
Tot Ion:105 Resp: 228558
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4



#74
N-ethyl acetate
Concen: 51.815 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 43 Resp: 43244
Ion Ratio Lower Upper
43 100
70 45.4 36.5 54.7
55 26.6 20.1 30.1
61 25.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.272 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

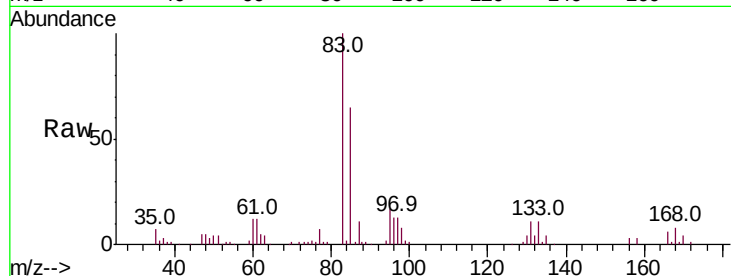
Tot Ion: 83 Resp: 35553

Ion Ratio Lower Upper

83 100

131 12.1 5.9 17.8

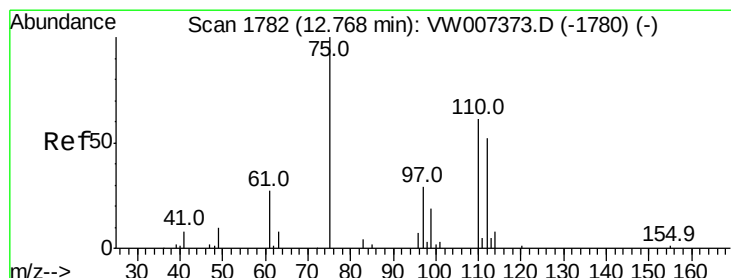
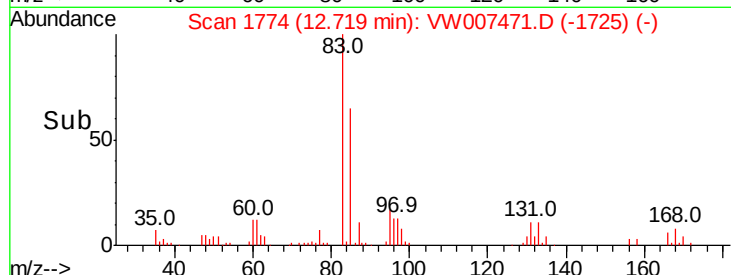
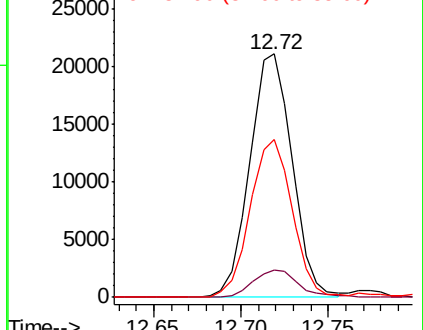
85 64.5 30.0 90.0



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: 97.070 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007471.D

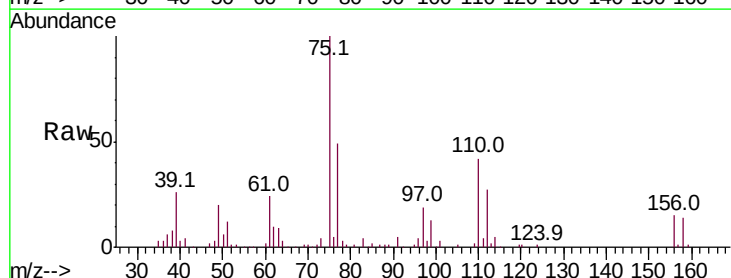
Acq: 13 Dec 2018 06:32

Tgt Ion: 75 Resp: 47967

Ion Ratio Lower Upper

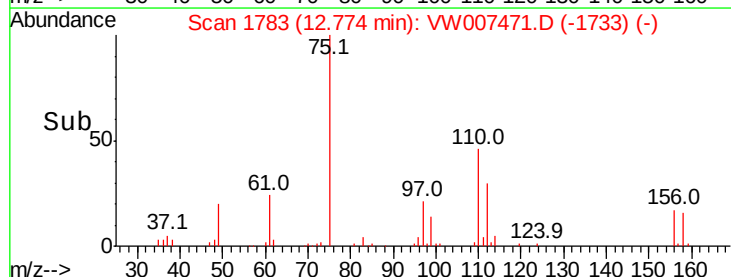
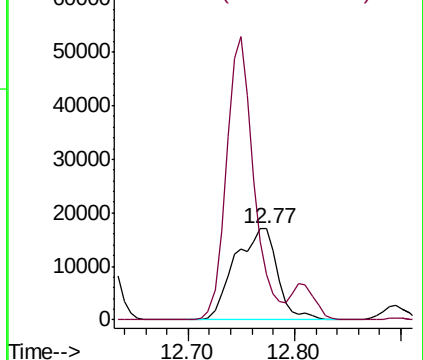
75 100

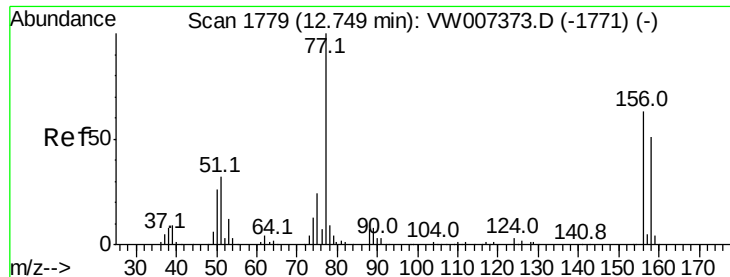
77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.134 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

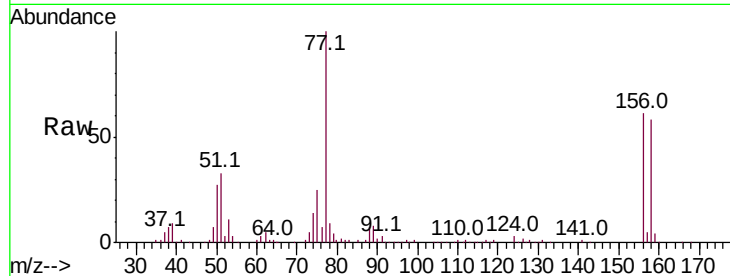
Tot Ion:156 Resp: 52049

Ion Ratio Lower Upper

156 100

77 184.3 88.1 264.4

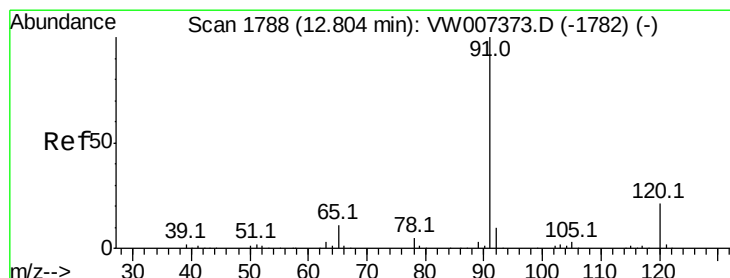
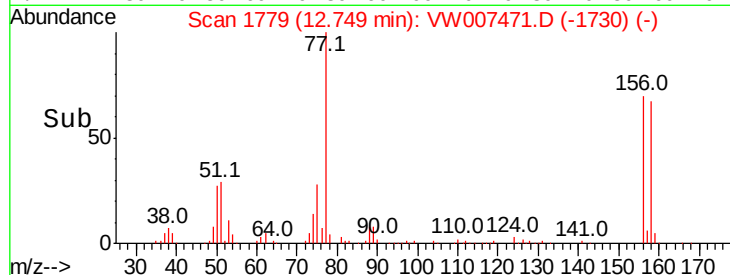
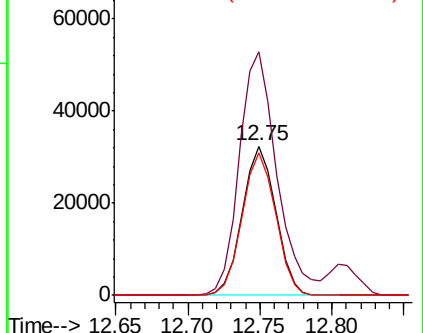
158 95.8 45.6 136.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.310 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007471.D

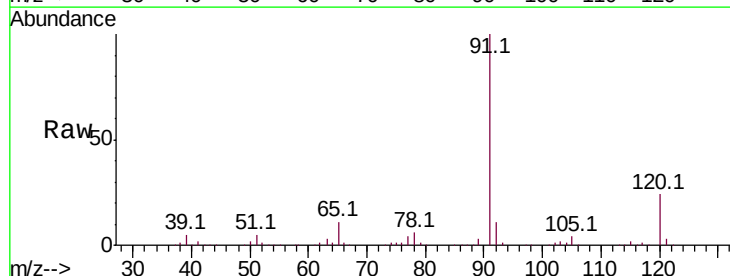
Acq: 13 Dec 2018 06:32

Tgt Ion: 91 Resp: 260002

Ion Ratio Lower Upper

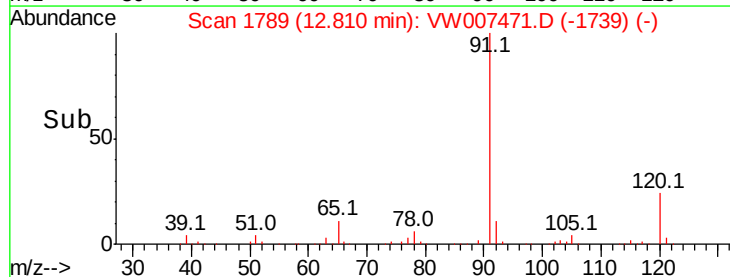
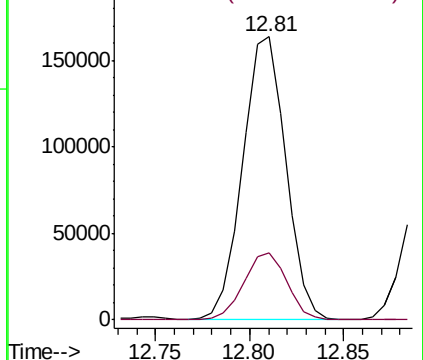
91 100

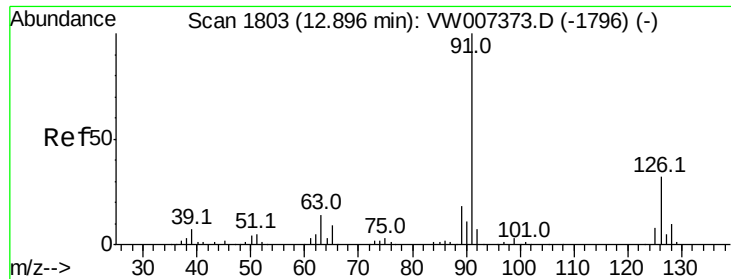
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

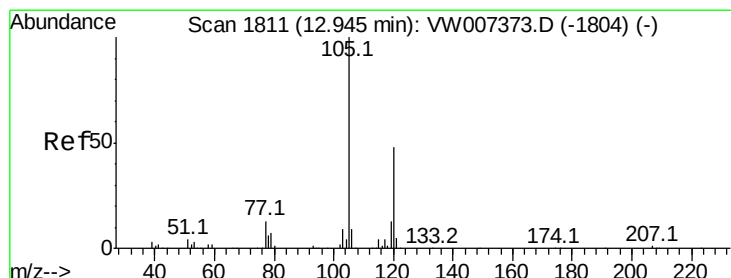
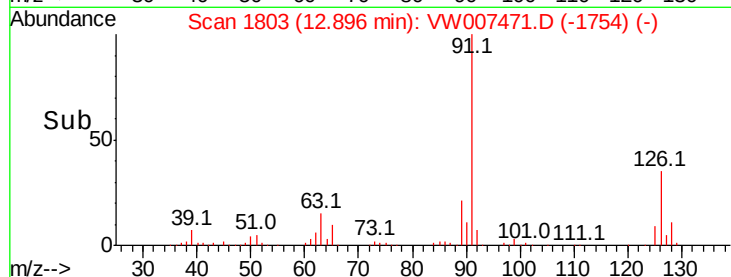
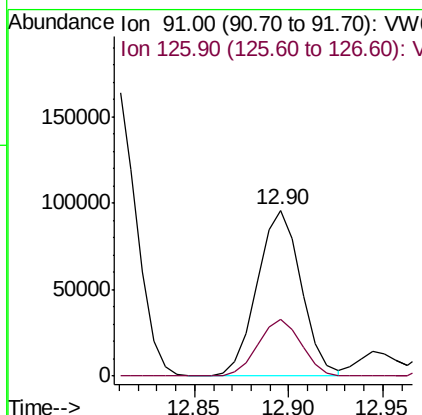
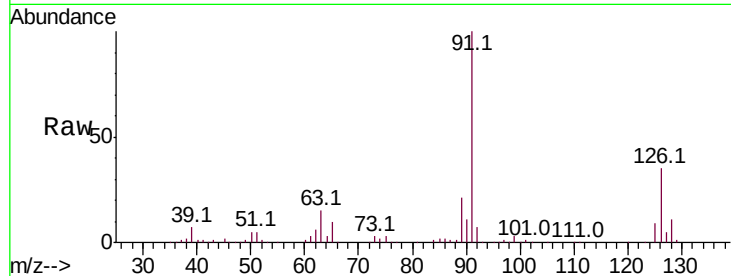




#79
2-Chlorotoluene
Concen: 49.556 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

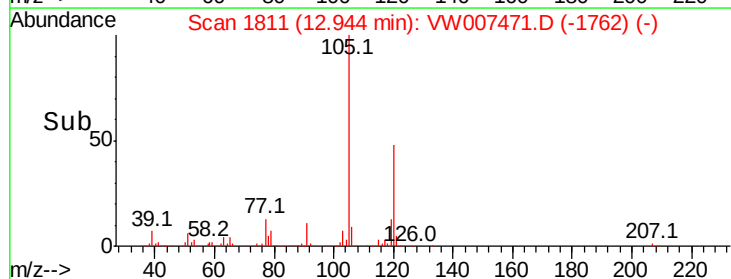
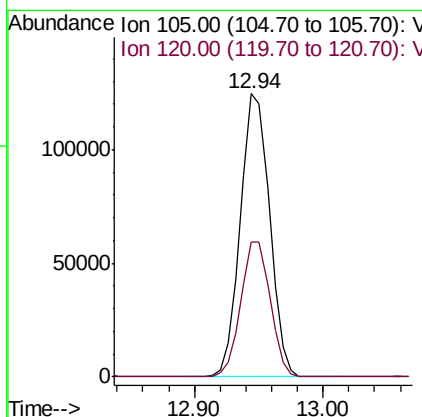
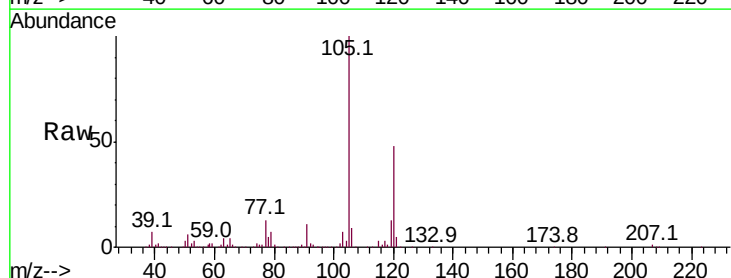
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

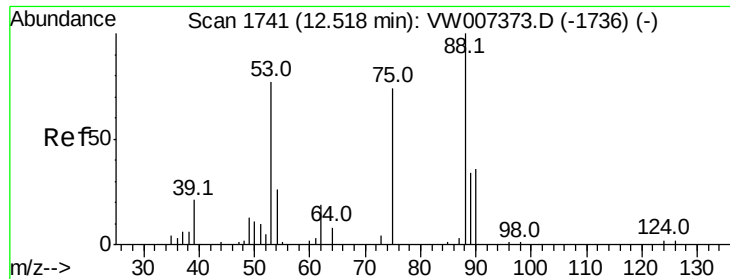
Tot Ion: 91 Resp: 154965
Ion Ratio Lower Upper
91 100
126 34.0 15.9 47.6



#80
1,3,5-Trimethylbenzene
Concen: 50.816 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion: 105 Resp: 196074
Ion Ratio Lower Upper
105 100
120 47.9 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.315 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

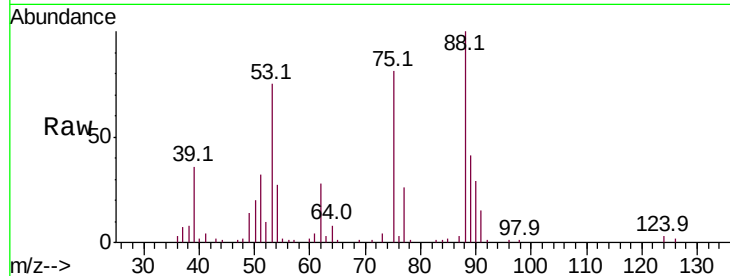
Tot Ion: 75 Resp: 10808

Ion Ratio Lower Upper

75 100

53 97.2 84.9 127.3

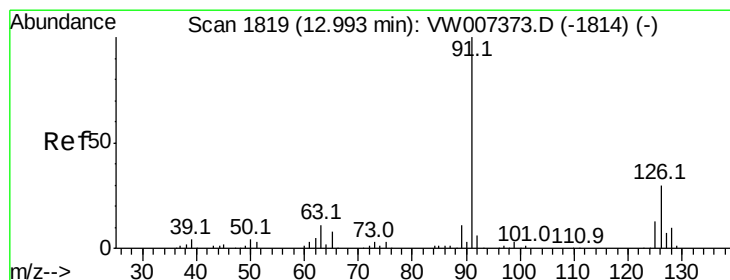
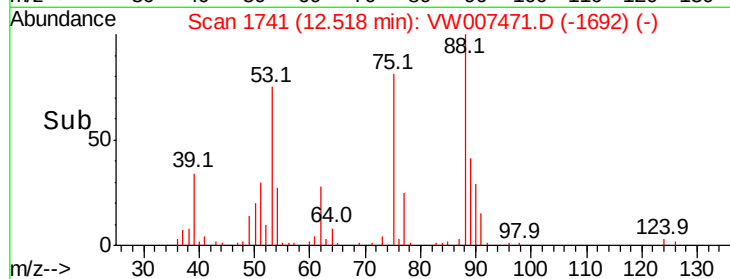
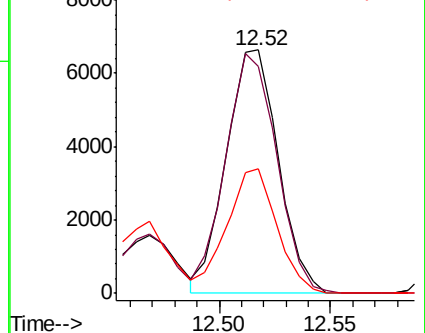
89 49.2 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 50.590 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007471.D

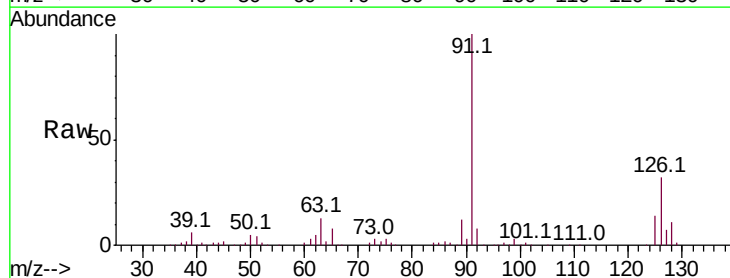
Acq: 13 Dec 2018 06:32

Tgt Ion: 91 Resp: 166758

Ion Ratio Lower Upper

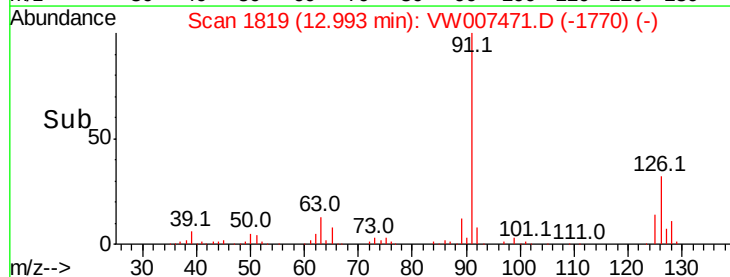
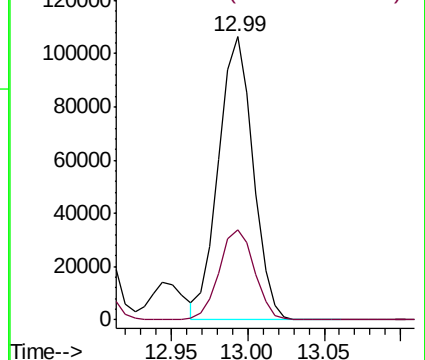
91 100

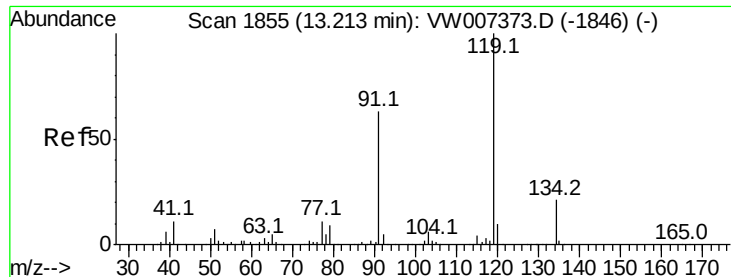
126 32.5 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

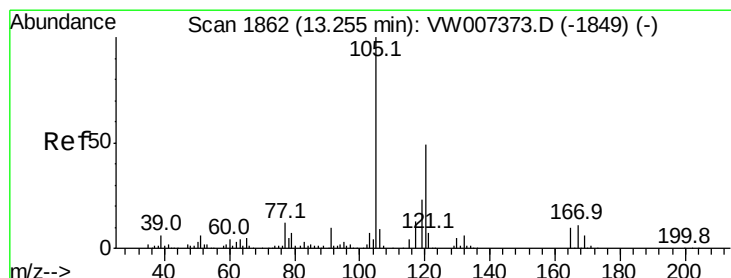
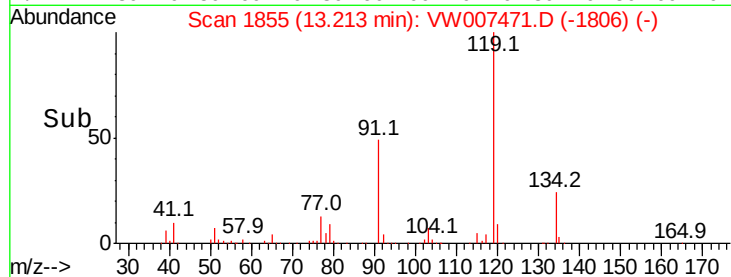
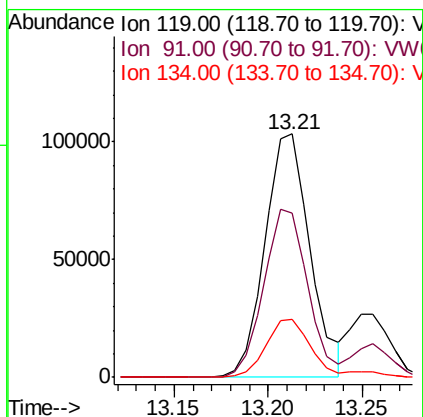
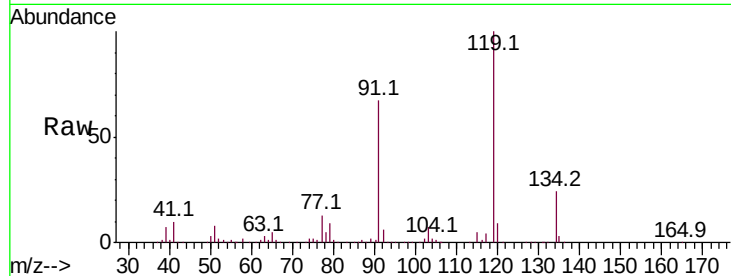




#83
tert-Butylbenzene
Concen: 50.510 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

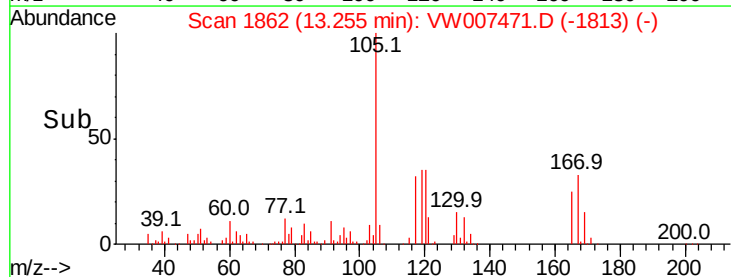
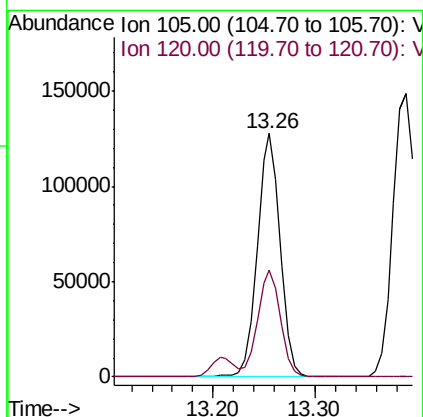
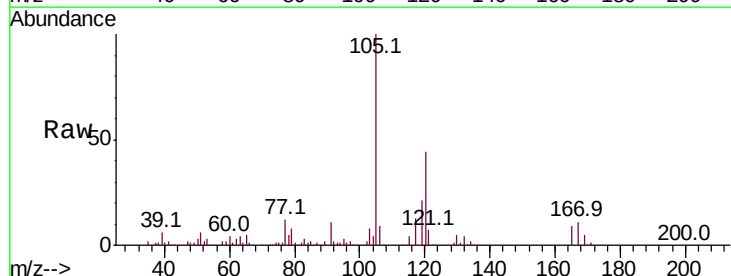
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

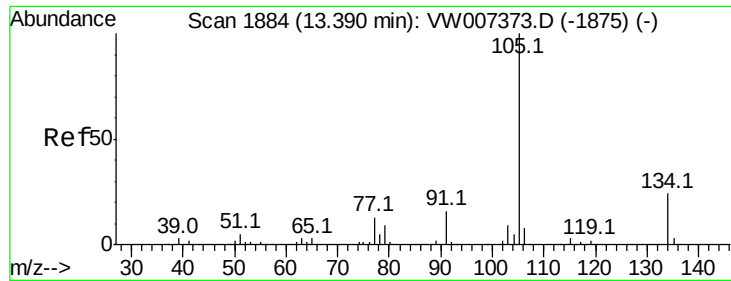
Tot Ion:119 Resp: 171728
Ion Ratio Lower Upper
119 100
91 67.2 33.1 99.2
134 23.6 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 50.314 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion:105 Resp: 199778
Ion Ratio Lower Upper
105 100
120 43.9 22.6 67.7

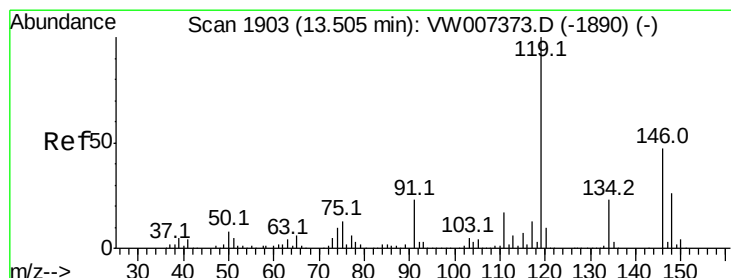
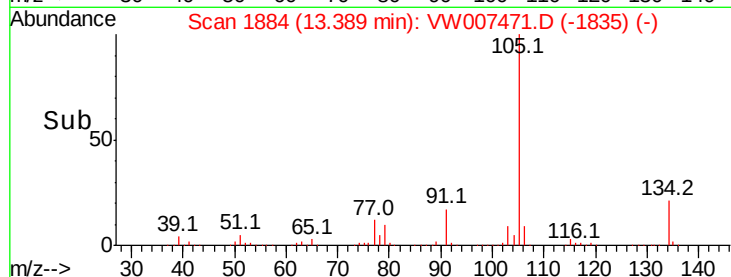
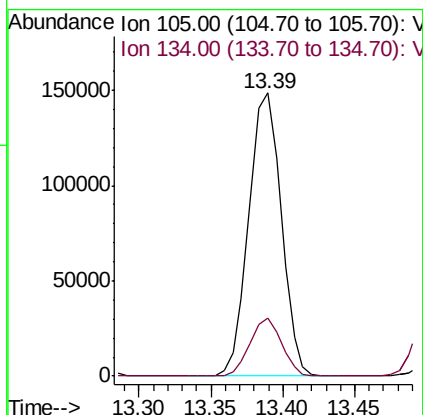
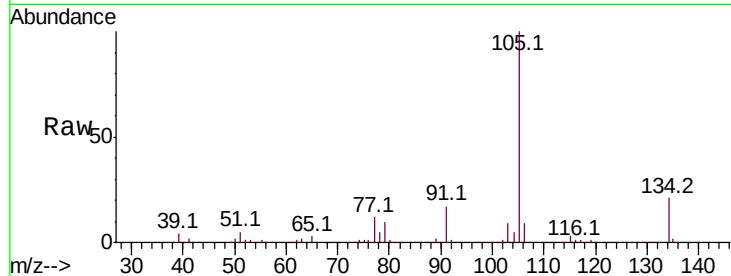




#85
 sec-Butylbenzene
 Concen: 50.041 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

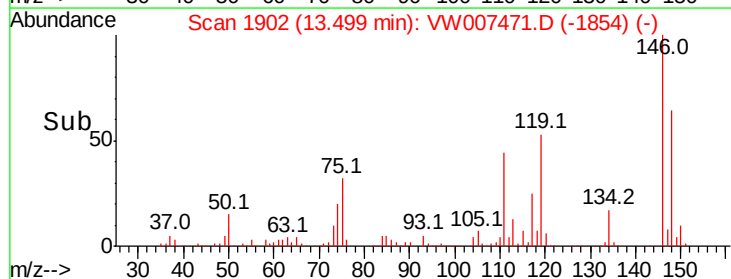
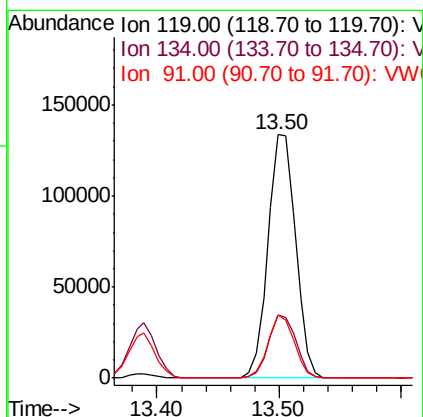
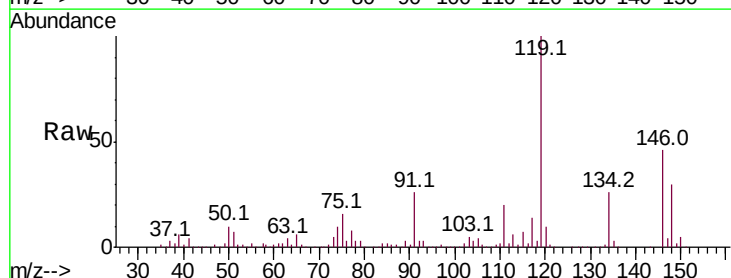
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

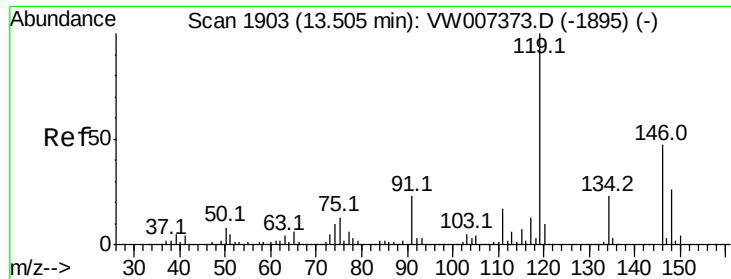
Tot Ion:105 Resp: 232256
 Ion Ratio Lower Upper
 105 100
 134 20.1 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 50.341 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion:119 Resp: 209903
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 24.7 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 50.480 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

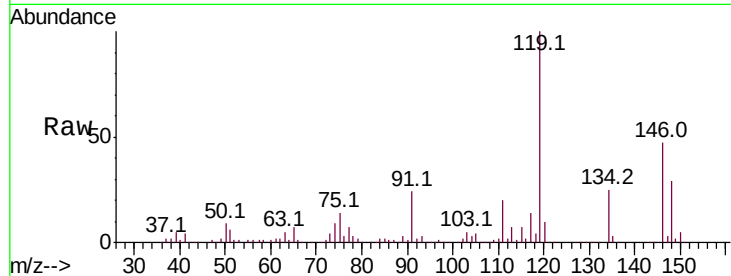
Tot Ion:146 Resp: 102449

Ion Ratio Lower Upper

146 100

111 43.0 20.1 60.3

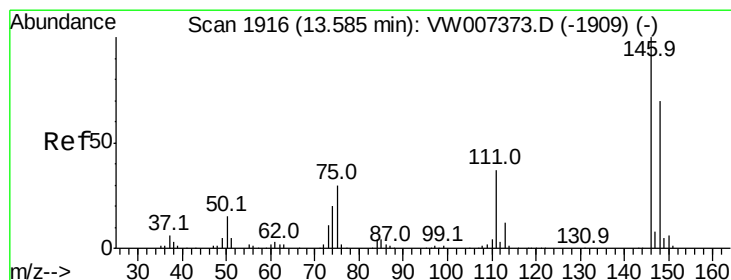
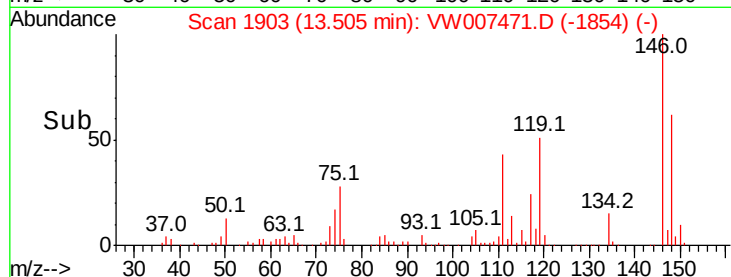
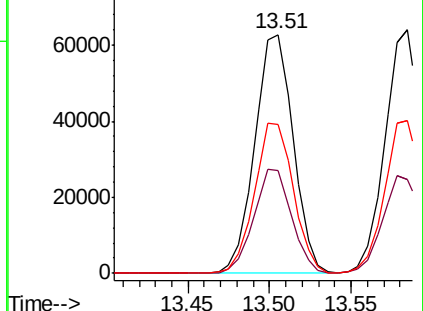
148 63.7 31.4 94.0



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: 49.779 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

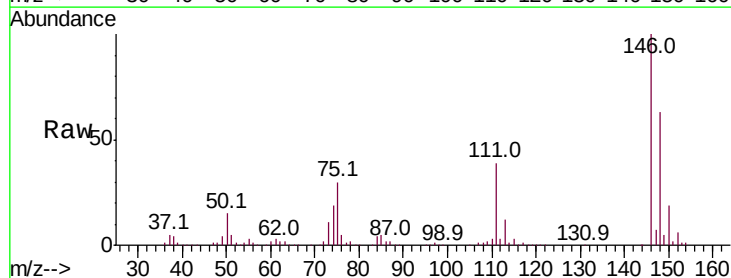
Tgt Ion:146 Resp: 101565

Ion Ratio Lower Upper

146 100

111 42.1 20.3 61.0

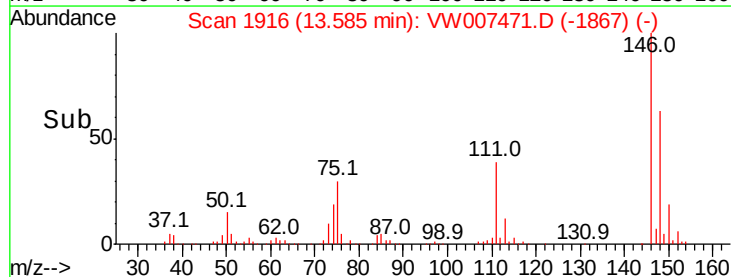
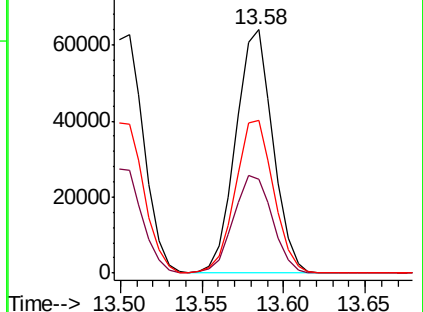
148 64.3 33.5 100.5

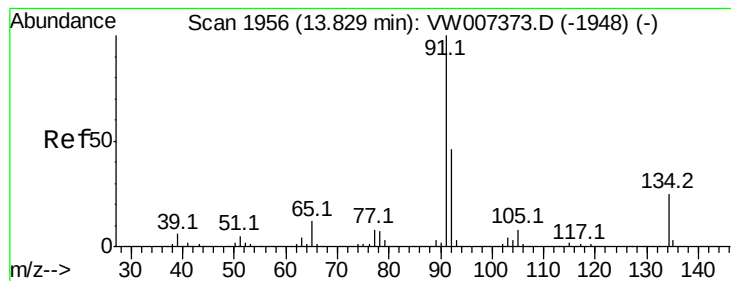


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.507 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007471.D

Acq: 13 Dec 2018 06:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

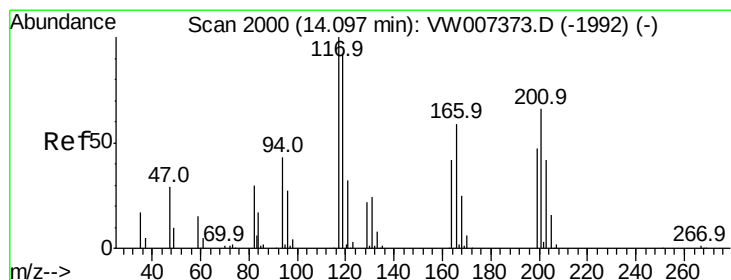
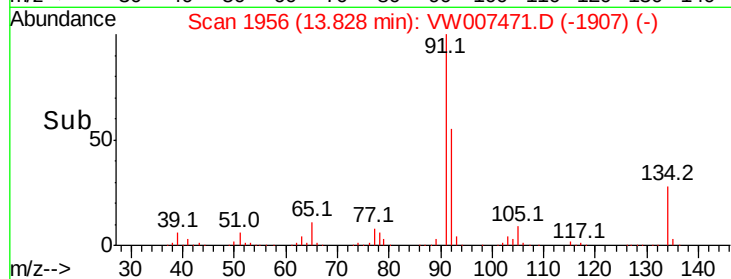
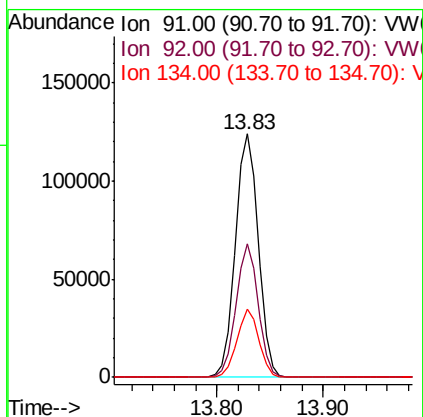
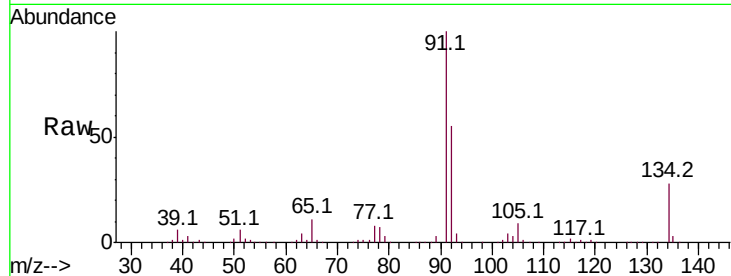
Tot Ion: 91 Resp: 187498

Ion Ratio Lower Upper

91 100

92 53.0 25.7 77.1

134 27.0 13.4 40.2



#90

Hexachloroethane

Concen: 49.845 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007471.D

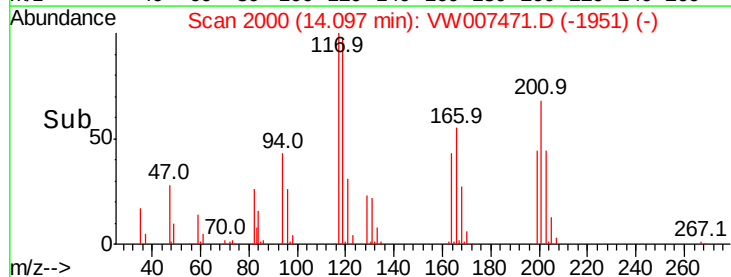
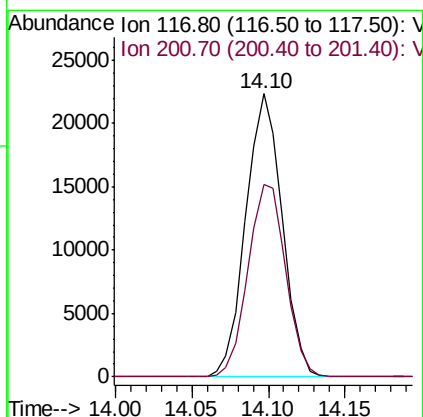
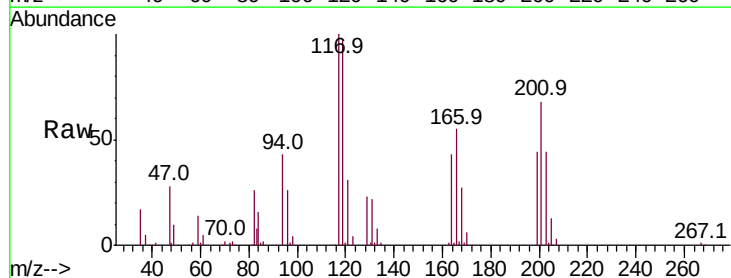
Acq: 13 Dec 2018 06:32

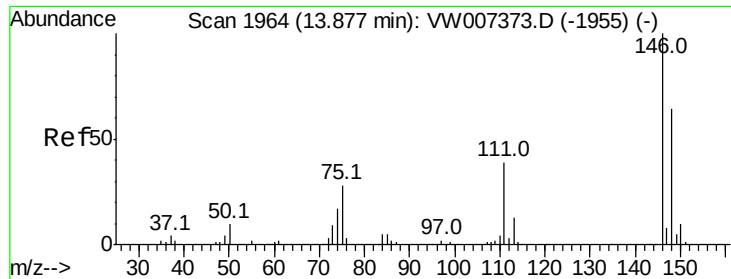
Tgt Ion: 117 Resp: 36980

Ion Ratio Lower Upper

117 100

201 70.4 35.3 105.9

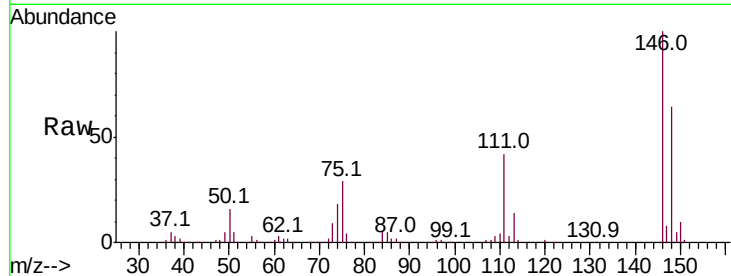




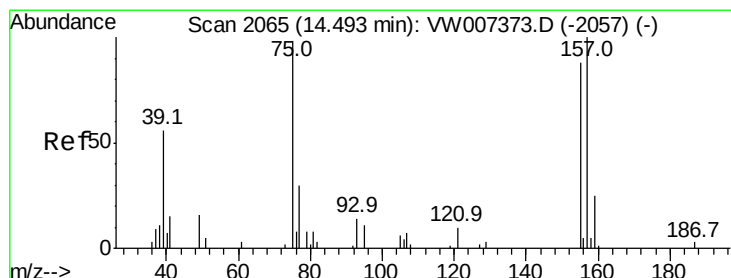
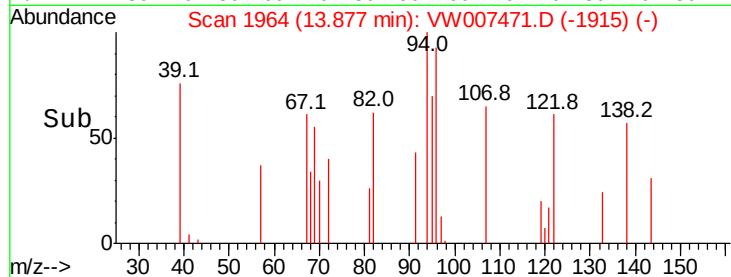
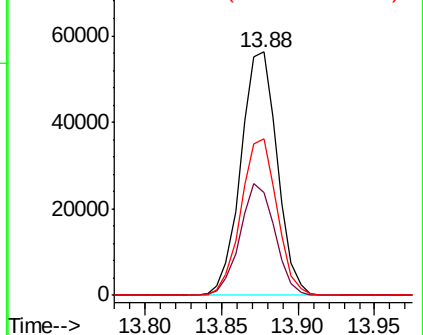
#91
 1,2-Dichlorobenzene
 Concen: 51.088 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 92864
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.4 67.2
 148 63.5 32.4 97.2

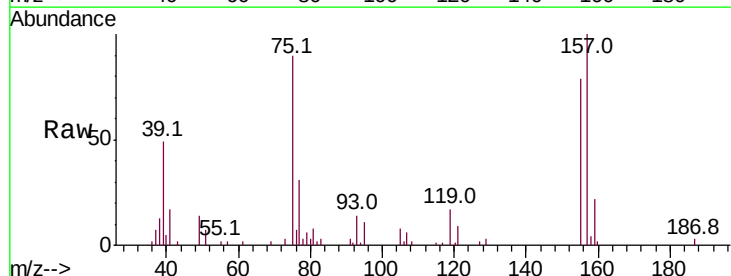


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

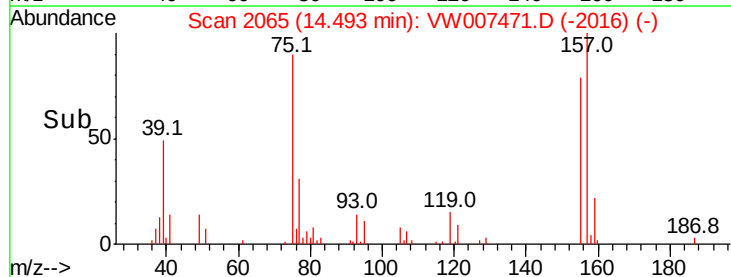
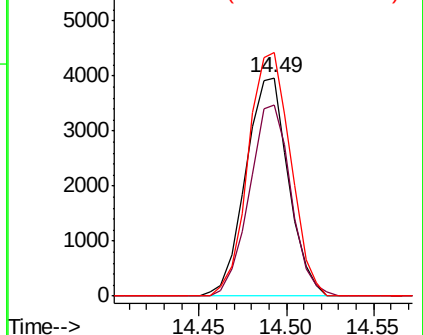


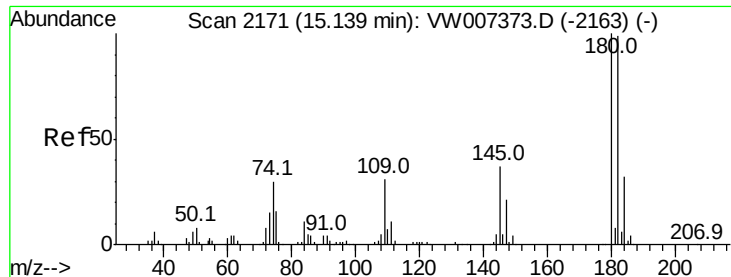
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.717 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion: 75 Resp: 6786
 Ion Ratio Lower Upper
 75 100
 155 84.9 40.8 122.2
 157 110.4 51.1 153.4



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

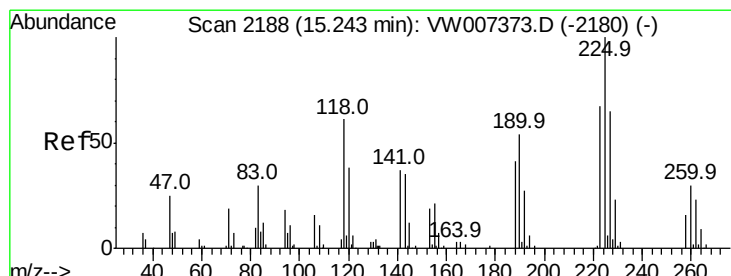
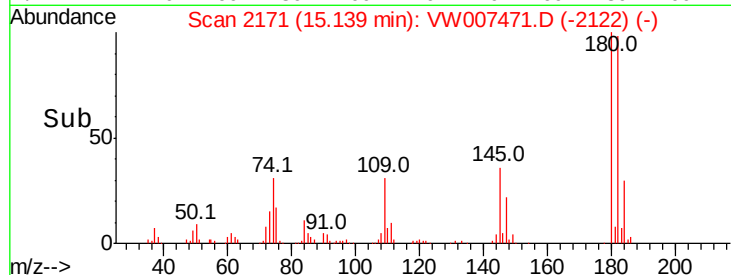
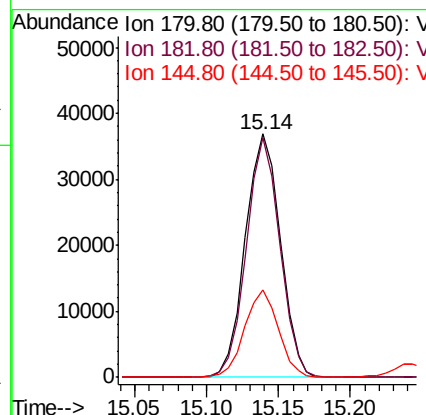
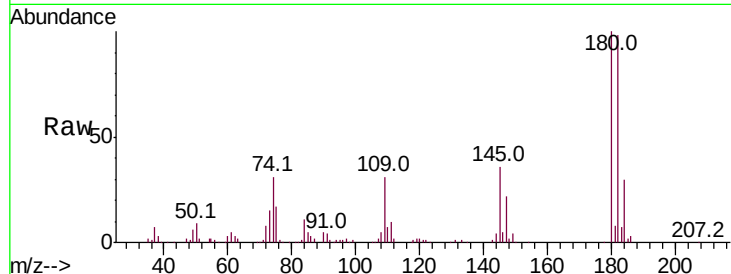




#93
 1,2,4-Trichlorobenzene
 Concen: 49.613 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

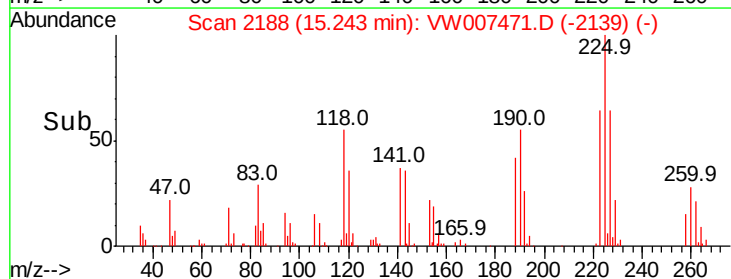
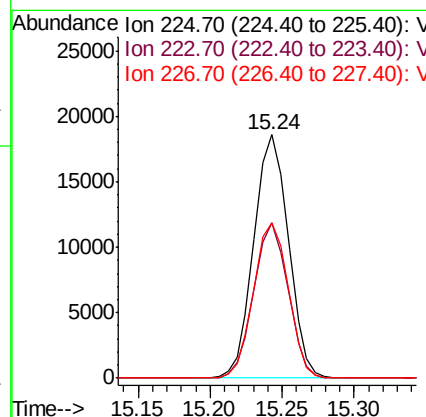
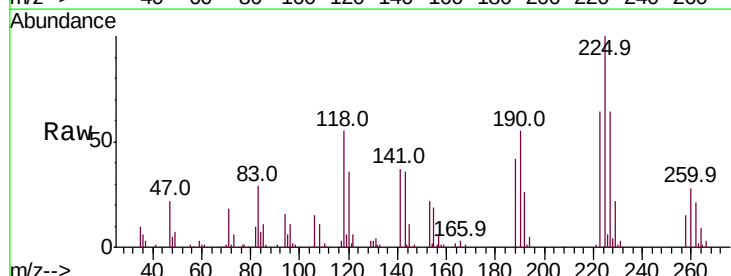
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

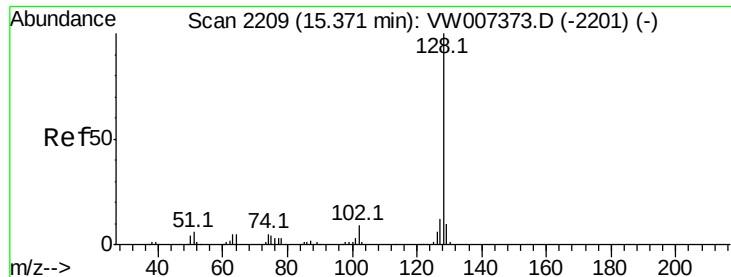
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	49.9	149.6
145	35.1	17.8	53.4



#94
 Hexachlorobutadiene
 Concen: 46.559 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007471.D
 Acq: 13 Dec 2018 06:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.1	96.3
227	64.2	31.9	95.9

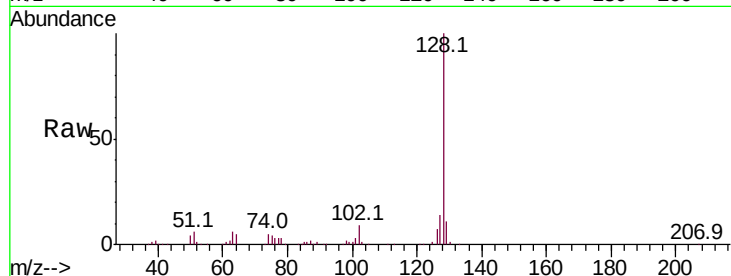




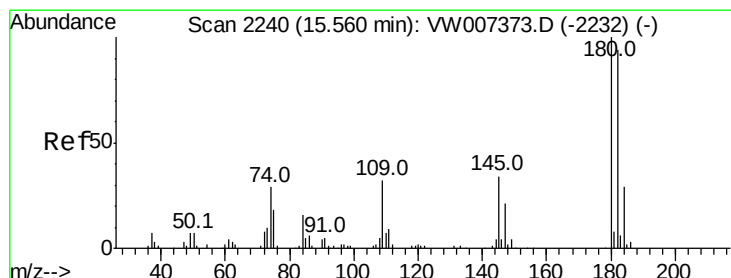
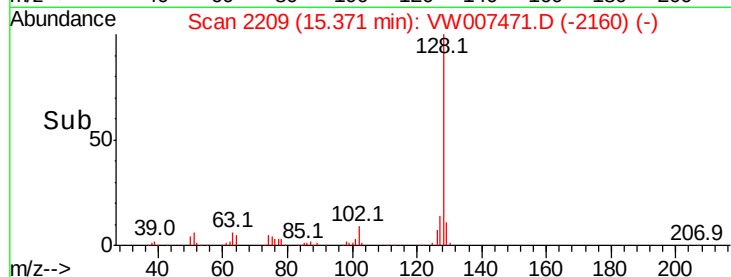
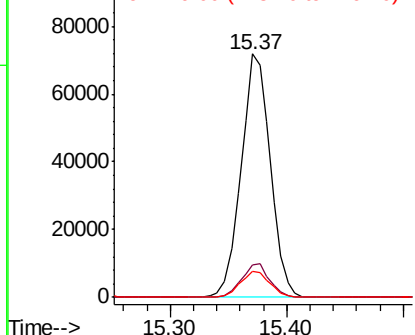
#95
Naphthalene
Concen: 52.377 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 125342
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.9 8.3 12.5

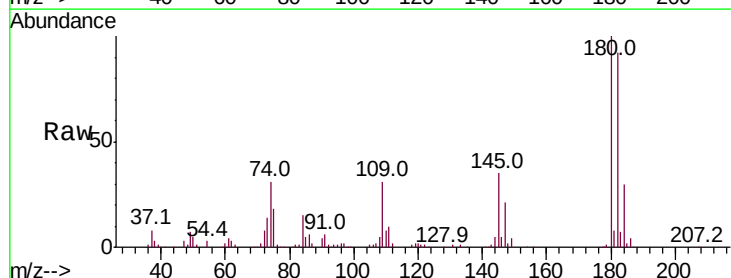


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.763 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007471.D
Acq: 13 Dec 2018 06:32

Tgt Ion:180 Resp: 55162
Ion Ratio Lower Upper
180 100
182 93.7 45.6 136.7
145 36.3 17.5 52.5



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

