

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007495.D
 Acq On : 13 Dec 2018 18:38
 Operator : SY/AP
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 14 04:03:12 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	87399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	143748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46053	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.88	113	43308	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.32	98	163295	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.62	95	63240	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26741	43.784	ug/l	98
3) Chloromethane	2.21	50	24645	48.181	ug/l	93
4) Vinyl Chloride	2.37	62	30592	50.964	ug/l	95
5) Bromomethane	2.78	94	21635	53.644	ug/l	96
6) Chloroethane	2.93	64	17874	54.094	ug/l	97
7) Trichlorofluoromethane	3.26	101	26919	49.881	ug/l	97
8) Diethyl Ether	3.67	74	22672	53.676	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43443	48.786	ug/l	94
10) Methyl Iodide	4.26	142	74081	50.231	ug/l	99
11) Tert butyl alcohol	5.17	59	17319	260.075	ug/l	98
12) 1,1-Dichloroethene	4.03	96	42814	49.937	ug/l	96
13) Acrolein	3.89	56	12204	276.962	ug/l	99
14) Allyl chloride	4.66	41	64188	50.791	ug/l	99
15) Acrylonitrile	5.37	53	47631	267.499	ug/l	99
16) Acetone	4.12	43	46290	273.316	ug/l	97
17) Carbon Disulfide	4.37	76	127029	48.865	ug/l	100
18) Methyl Acetate	4.67	43	23874	51.937	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	68985	53.337	ug/l	99
20) Methylene Chloride	4.91	84	47237	51.087	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	48018	50.066	ug/l	95
22) Diisopropyl ether	6.31	45	126576	52.107	ug/l	98
23) Vinyl Acetate	6.26	43	372834	274.405	ug/l	98
24) 1,1-Dichloroethane	6.21	63	82343	50.155	ug/l	99
25) 2-Butanone	7.17	43	60976	275.778	ug/l	97
26) 2,2-Dichloropropane	7.16	77	54792	50.428	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	53254	50.710	ug/l	98
28) Bromochloromethane	7.51	49	31267	50.632	ug/l	100
29) Tetrahydrofuran	7.52	42	37634	268.863	ug/l	99
30) Chloroform	7.68	83	90468	50.636	ug/l	97
31) Cyclohexane	7.95	56	72252	47.967	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	77737	49.617	ug/l	99
36) 1,1-Dichloropropene	8.08	75	68120	51.948	ug/l	98
37) Ethyl Acetate	7.25	43	26925	55.205	ug/l	99
38) Carbon Tetrachloride	8.07	117	73957	51.833	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	84459	53.190	ug/l	96
40) Benzene	8.32	78	190872	52.450	ug/l	100
41) Methacrylonitrile	7.49	41	16453	59.239	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	61062	53.415	ug/l	100
43) Isopropyl Acetate	8.43	43	52811	54.817	ug/l	98
44) Trichloroethene	9.09	130	54459	52.405	ug/l	100
45) 1,2-Dichloropropane	9.37	63	45694	54.259	ug/l	97
46) Dibromomethane	9.46	93	25659	53.653	ug/l	98
47) Bromodichloromethane	9.65	83	65944	52.569	ug/l	91
48) Methyl methacrylate	9.43	41	26465	53.487	ug/l	95
49) 1,4-Dioxane	9.45	88	8637	1113.052	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	132850	291.843	ug/l	99
52) Toluene	10.39	92	126080	53.536	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	68252	56.044	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	77884	55.322	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35901	55.157	ug/l	96
56) Ethyl methacrylate	10.65	69	47288	60.445	ug/l	98
57) 1,3-Dichloropropane	10.93	76	61270	57.351	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	105393	292.131	ug/l	100
59) 2-Hexanone	10.97	43	92519	304.806	ug/l	98
60) Dibromochloromethane	11.13	129	46539	56.657	ug/l	100
61) 1,2-Dibromoethane	11.24	107	36346	56.506	ug/l	96
64) Tetrachloroethene	10.86	164	45518	49.338	ug/l	91
65) Chlorobenzene	11.66	112	143018	53.485	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	50355	53.469	ug/l	99
67) Ethyl Benzene	11.73	91	249491	54.269	ug/l	91
68) m/p-Xylenes	11.84	106	191737	107.282	ug/l	100
69) o-Xylene	12.17	106	90694	54.335	ug/l	96
70) Styrene	12.18	104	151953	56.362	ug/l	98
71) Bromoform	12.35	173	25974	53.884	ug/l #	97
73) Isopropylbenzene	12.47	105	254016	52.431	ug/l	98
74) N-amyl acetate	12.27	43	50123	56.926	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	39646	55.251	ug/l	93
76) 1,2,3-Trichloropropane	12.77	75	55588	106.627	ug/l	31
77) Bromobenzene	12.75	156	57323	53.379	ug/l	95
78) n-propylbenzene	12.80	91	294193	53.957	ug/l	100
79) 2-Chlorotoluene	12.90	91	172137	52.177	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	218307	53.627	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13352	56.576	ug/l	92
82) 4-Chlorotoluene	12.99	91	182831	52.574	ug/l	98
83) tert-Butylbenzene	13.21	119	193245	53.875	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	220774	52.702	ug/l	99
85) sec-Butylbenzene	13.39	105	261544	53.413	ug/l	95
86) p-Isopropyltoluene	13.50	119	236785	53.827	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113136	52.839	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	112252	52.148	ug/l	97
89) n-Butylbenzene	13.83	91	217370	53.302	ug/l	99
90) Hexachloroethane	14.10	117	41166	52.594	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	101999	53.187	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7618	52.902	ug/l	98

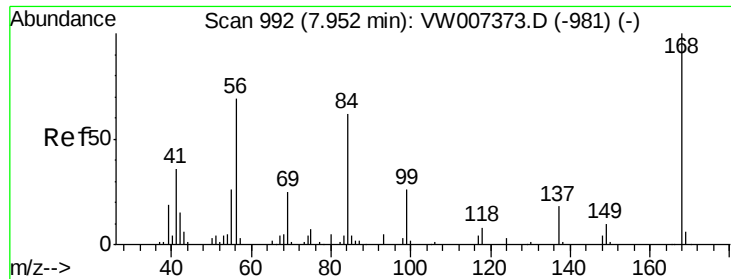
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	68552	51.943	ug/l	95
94) Hexachlorobutadiene	15.24	225	34889	49.824	ug/l	99
95) Naphthalene	15.37	128	137816	54.586	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	58870	51.350	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

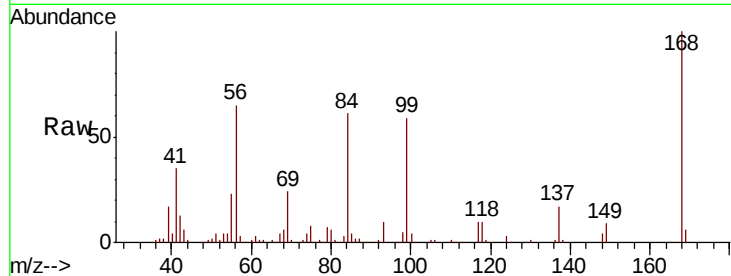
VSTDCCC050EC

Tot Ion:168 Resp: 87399

Ion Ratio Lower Upper

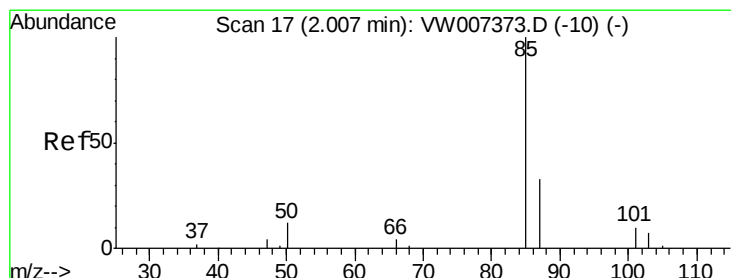
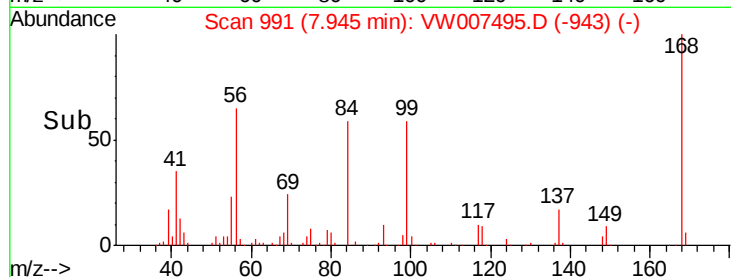
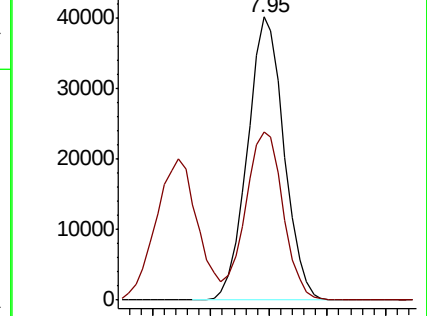
168 100

99 59.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.784 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW007495.D

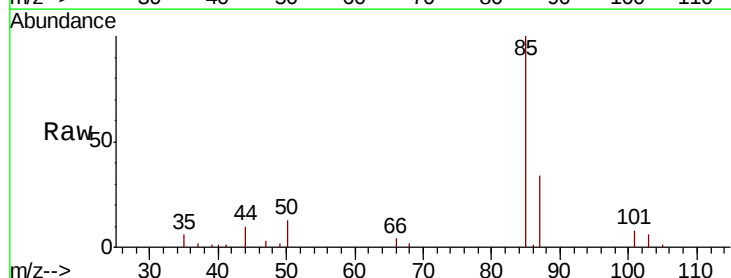
Acq: 13 Dec 2018 18:38

Tgt Ion: 85 Resp: 26741

Ion Ratio Lower Upper

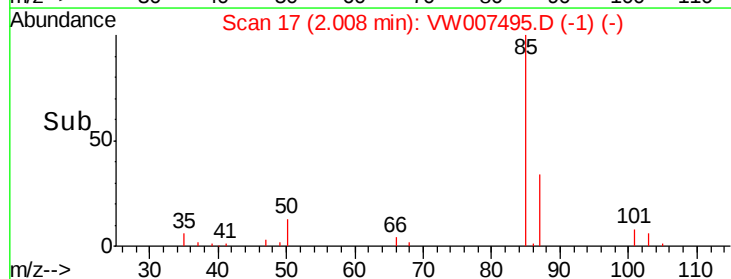
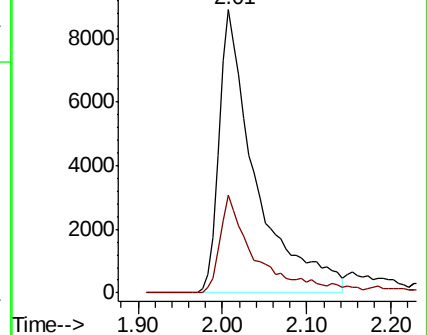
85 100

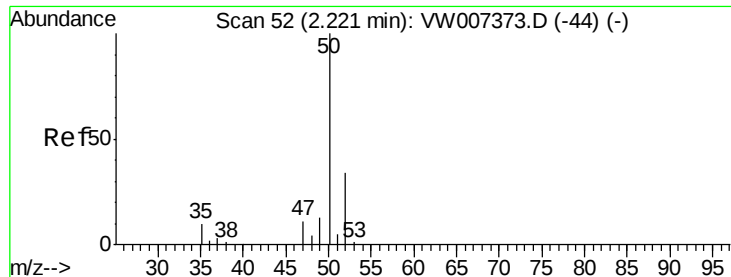
87 34.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 48.181 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

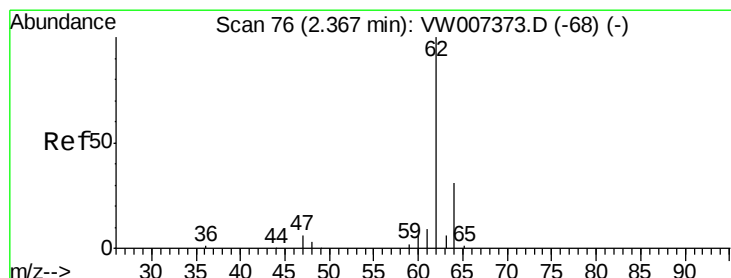
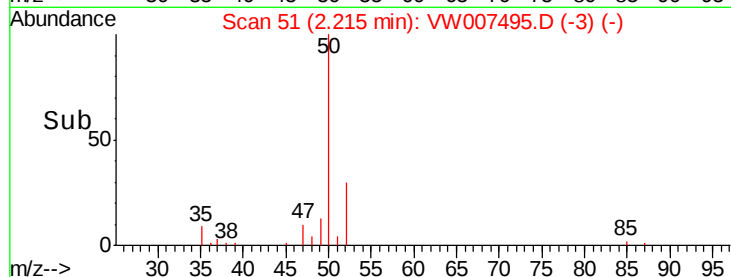
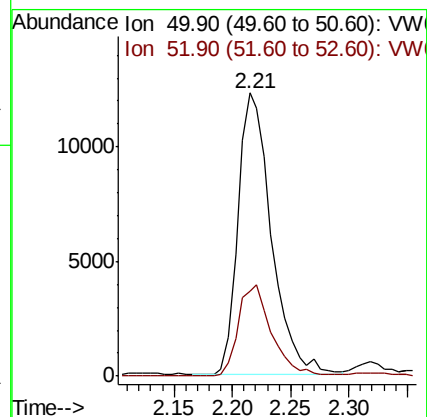
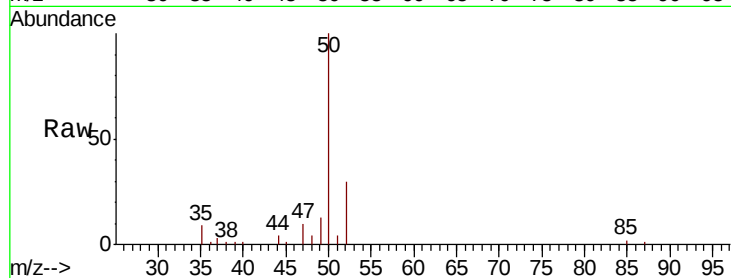
VSTDCCC050EC

Tot Ion: 50 Resp: 24645

Ion Ratio Lower Upper

50 100

52 30.2 27.4 41.0



#4

Vinyl Chloride

Concen: 50.964 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007495.D

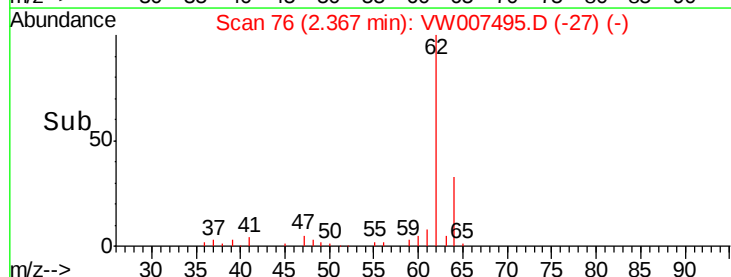
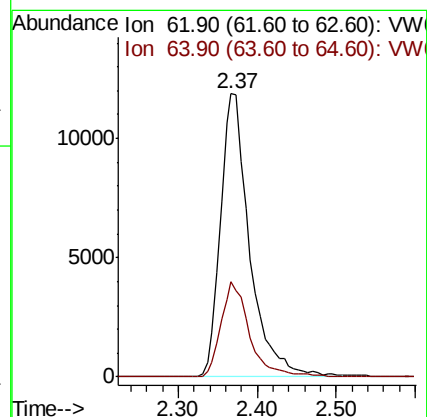
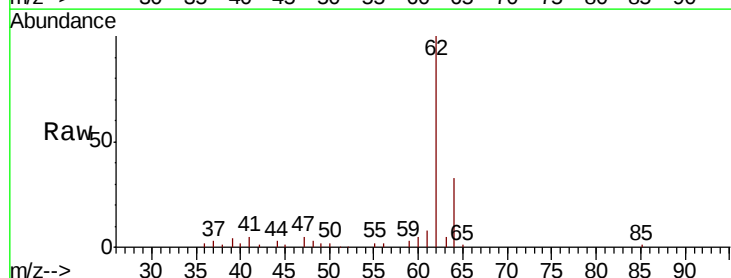
Acq: 13 Dec 2018 18:38

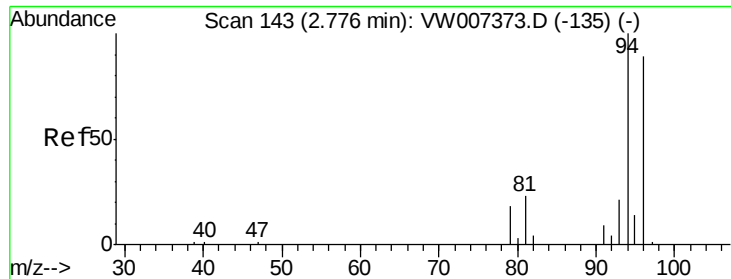
Tgt Ion: 62 Resp: 30592

Ion Ratio Lower Upper

62 100

64 33.4 24.6 37.0





#5

Bromomethane

Concen: 53.644 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

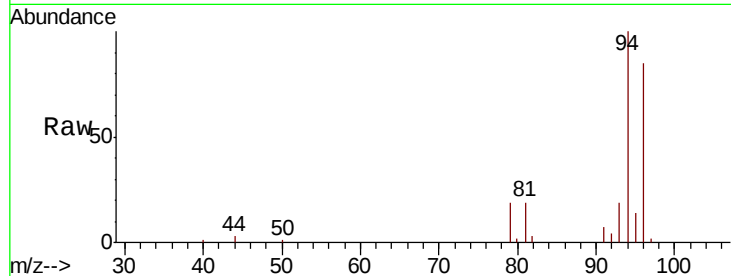
VSTDCCC050EC

Tot Ion: 94 Resp: 21635

Ion Ratio Lower Upper

94 100

96 85.1 71.0 106.4



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

10000

8000

6000

4000

2000

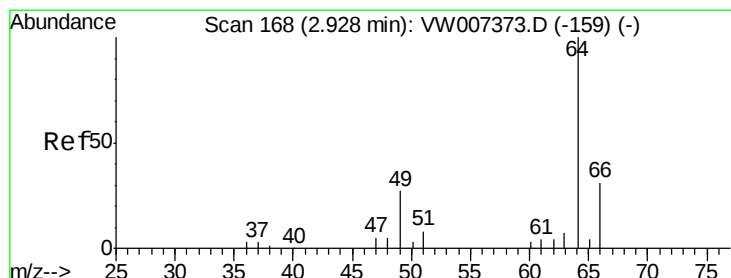
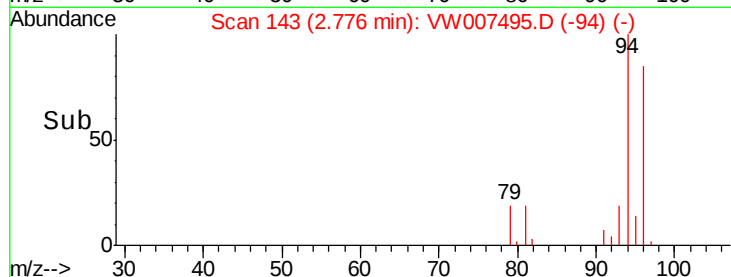
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 54.094 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007495.D

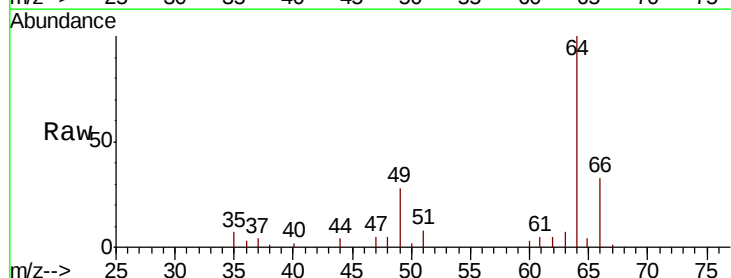
Acq: 13 Dec 2018 18:38

Tgt Ion: 64 Resp: 17874

Ion Ratio Lower Upper

64 100

66 32.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.93

6000

4000

2000

0

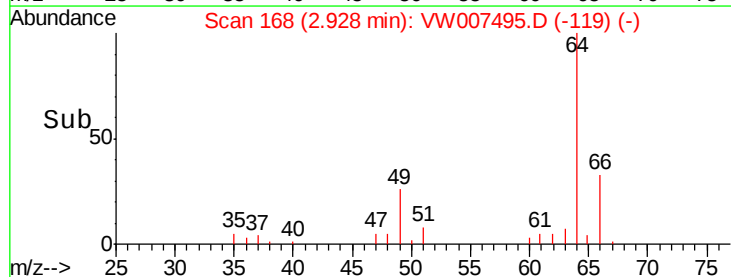
Time-->

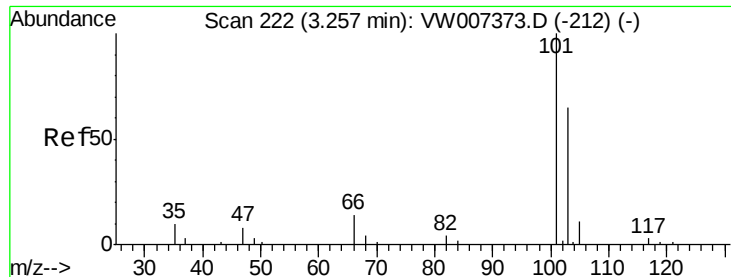
2.80

2.90

3.00

3.10



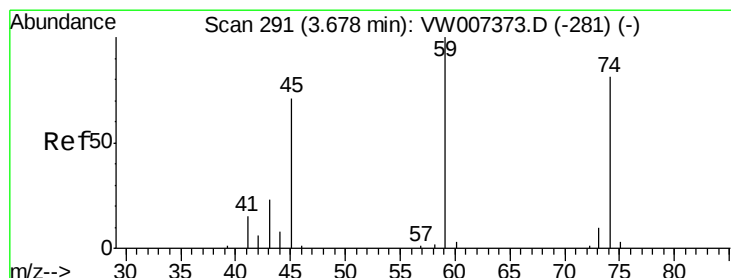
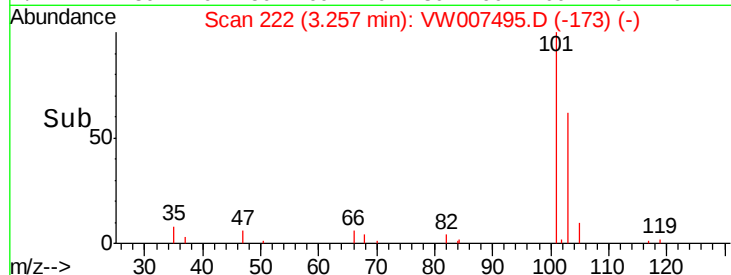
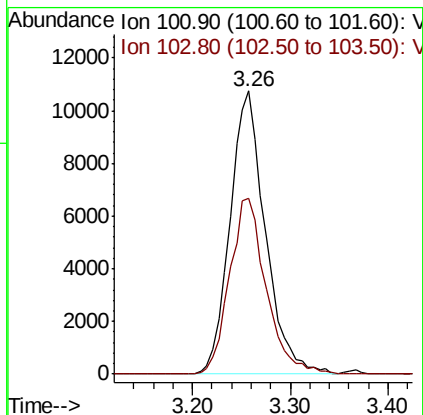
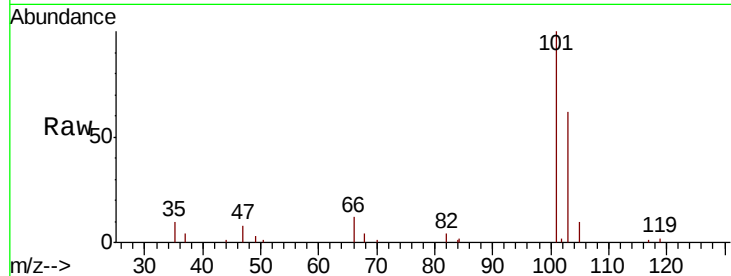


#7

Trichlorofluoromethane
 Concen: 49.881 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

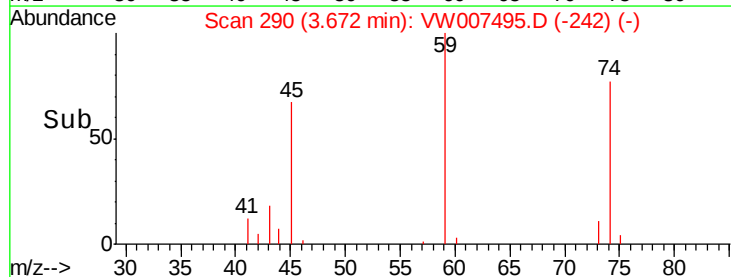
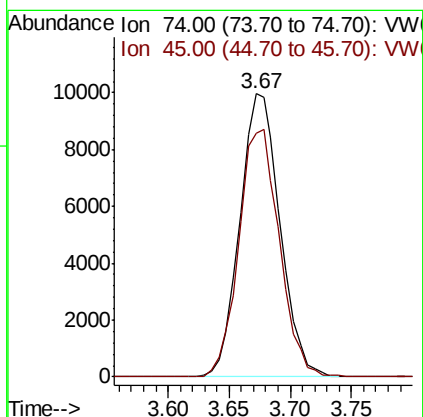
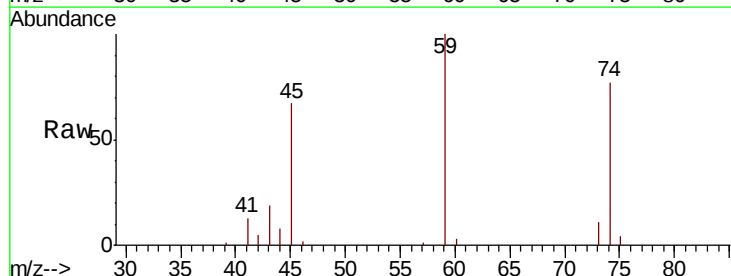
Tot Ion:101 Resp: 26919
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.7 77.5

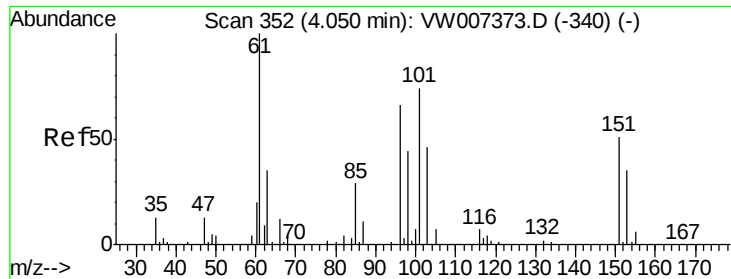


#8

Diethyl Ether
 Concen: 53.676 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 74 Resp: 22672
 Ion Ratio Lower Upper
 74 100
 45 88.4 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.786 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

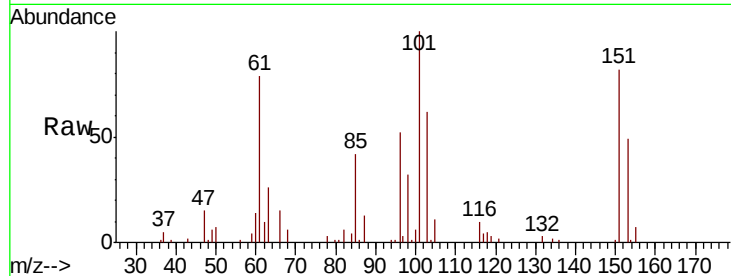
Tot Ion:101 Resp: 43443

Ion Ratio Lower Upper

101 100

85 44.9 33.9 50.9

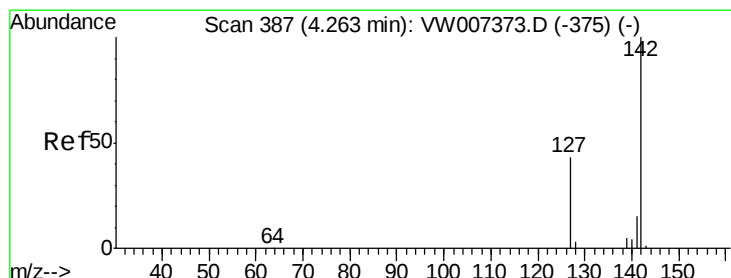
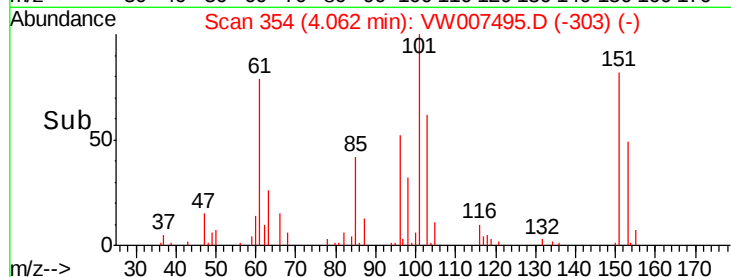
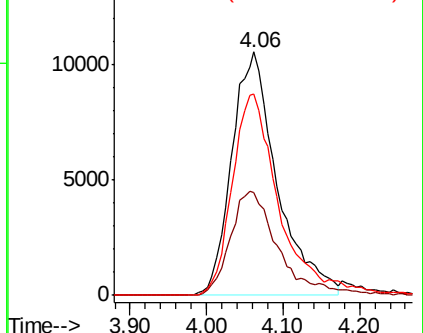
151 85.5 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.231 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

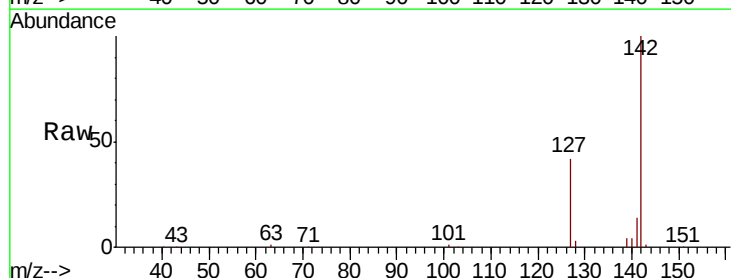
Tgt Ion:142 Resp: 74081

Ion Ratio Lower Upper

142 100

127 44.5 35.8 53.6

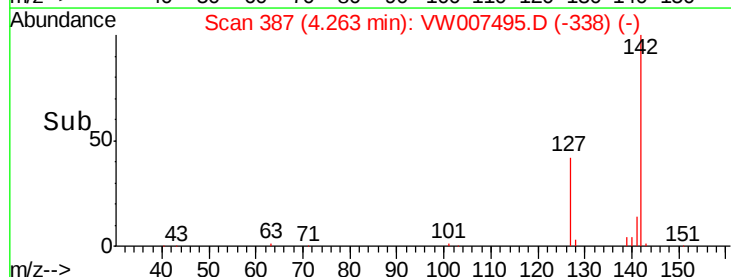
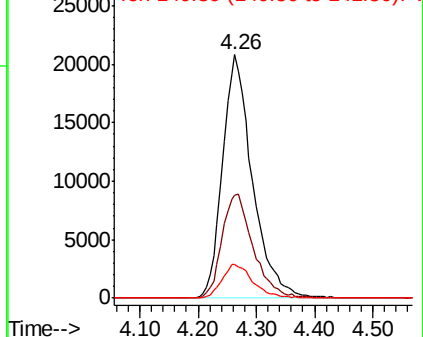
141 14.3 11.1 16.7

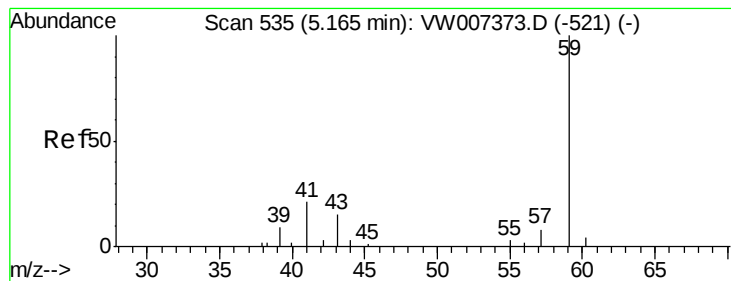


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



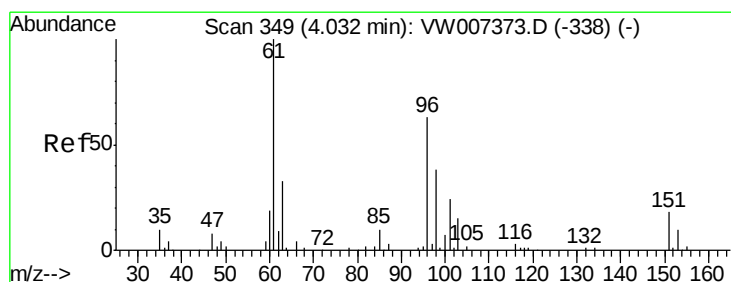
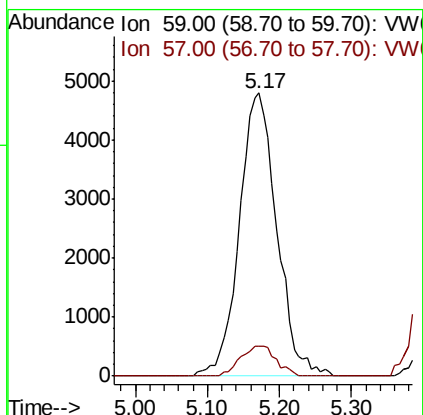
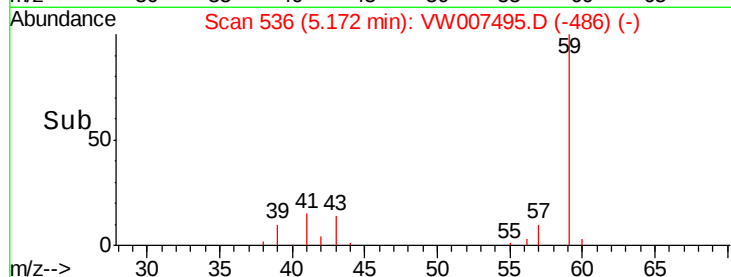
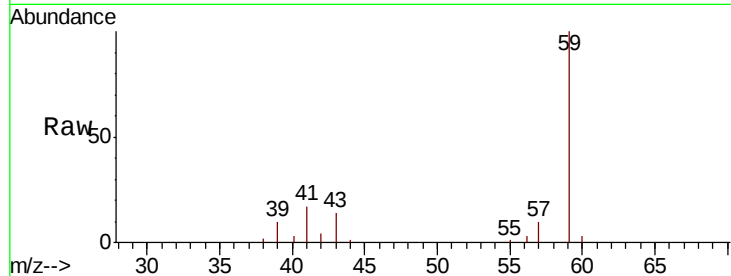


#11

Tert butyl alcohol
 Concen: 260.075 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

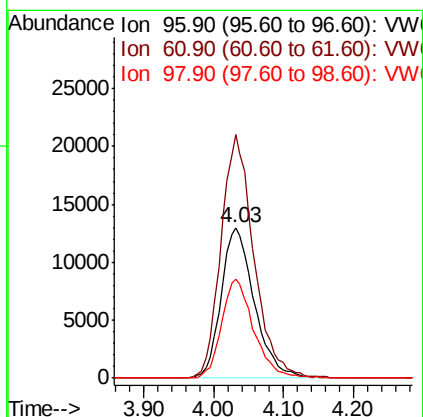
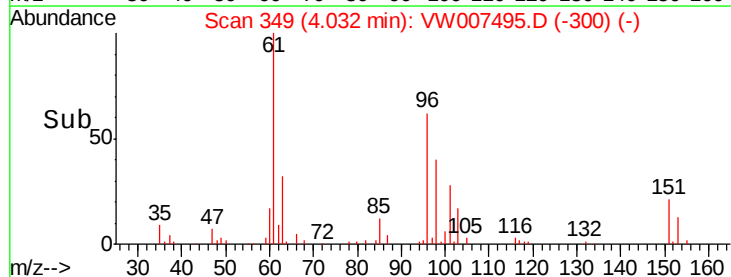
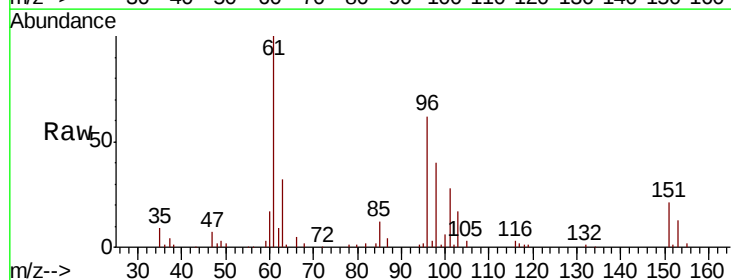
Tot Ion: 59 Resp: 17319
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.6 11.4

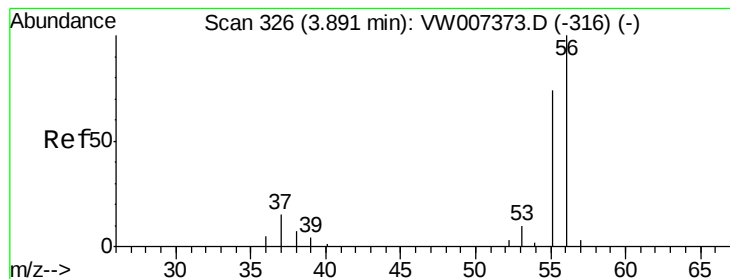


#12

1,1-Dichloroethene
 Concen: 49.937 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 96 Resp: 42814
 Ion Ratio Lower Upper
 96 100
 61 162.1 126.2 189.2
 98 65.6 48.3 72.5





#13

Acrolein

Concen: 276.962 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

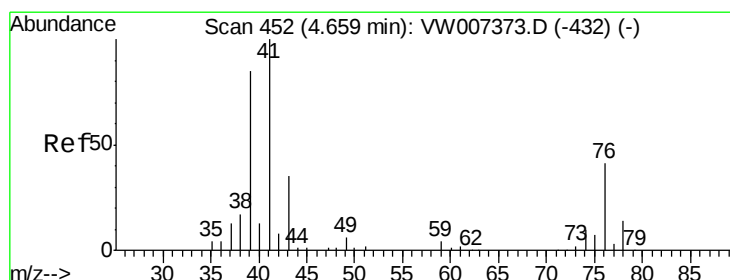
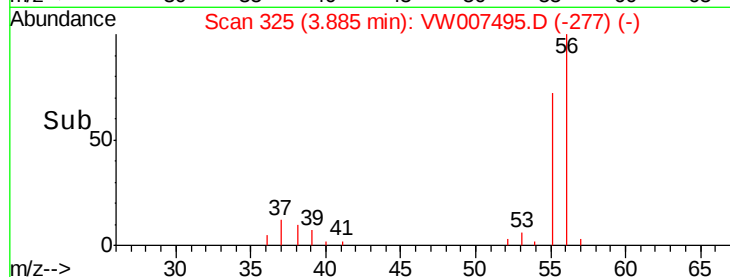
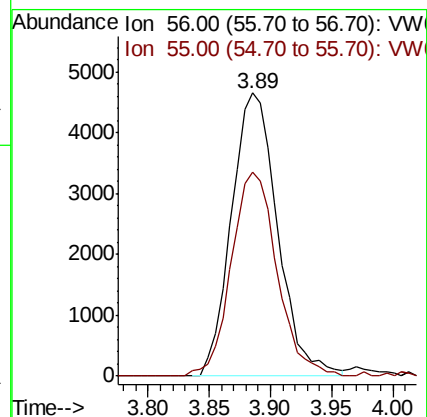
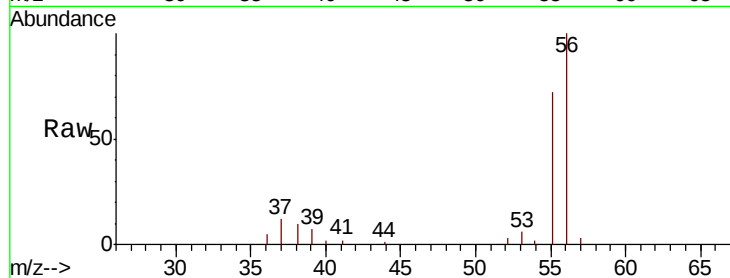
VSTDCCC050EC

Tot Ion: 56 Resp: 12204

Ion Ratio Lower Upper

56 100

55 71.1 57.4 86.2



#14

Allyl chloride

Concen: 50.791 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

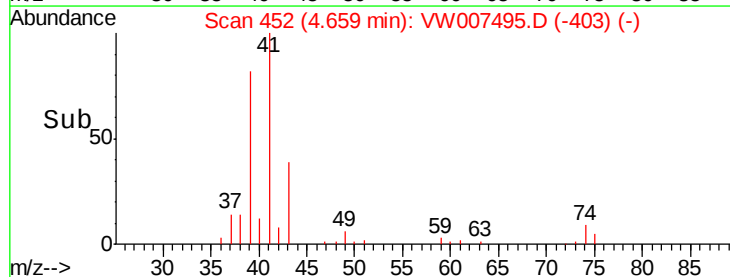
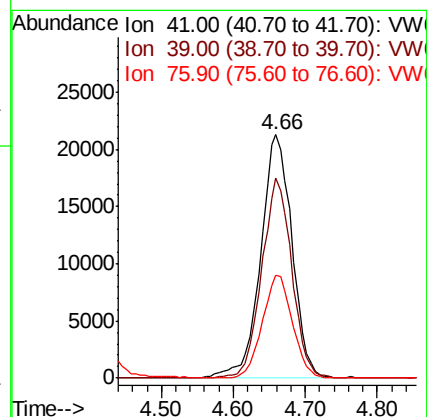
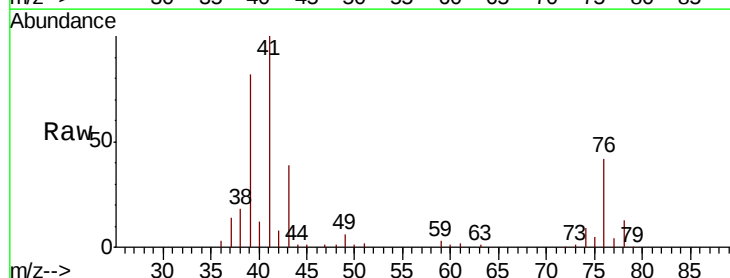
Tgt Ion: 41 Resp: 64188

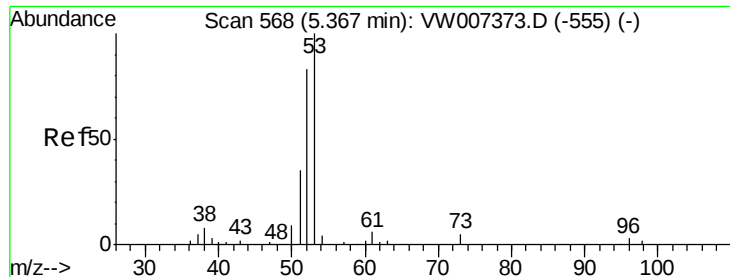
Ion Ratio Lower Upper

41 100

39 78.8 63.4 95.2

76 40.5 32.1 48.1





#15

Acrylonitrile

Concen: 267.499 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

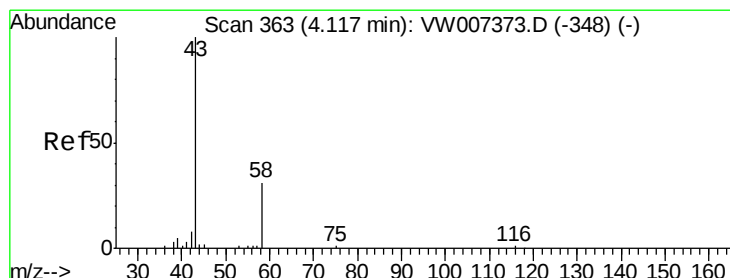
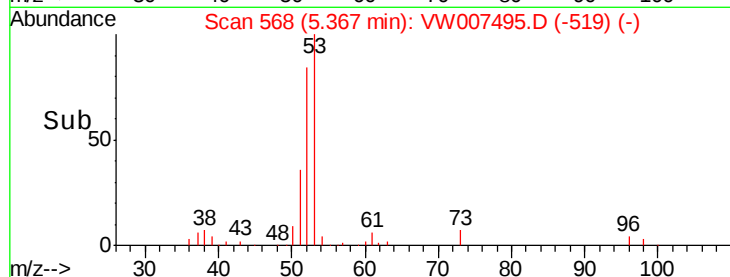
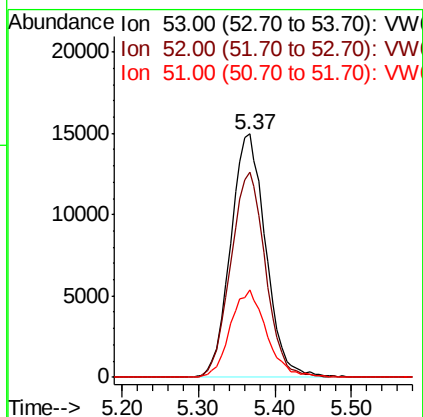
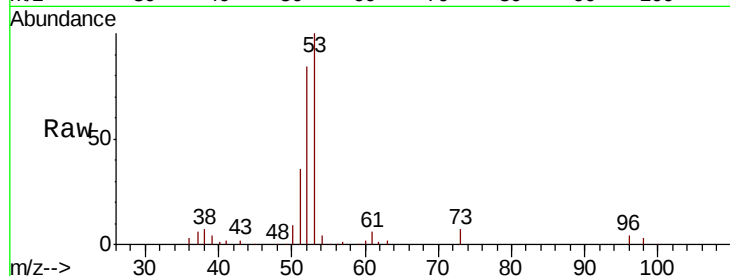
Tot Ion: 53 Resp: 47631

Ion Ratio Lower Upper

53 100

52 83.5 67.4 101.2

51 37.0 30.2 45.2



#16

Acetone

Concen: 273.316 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007495.D

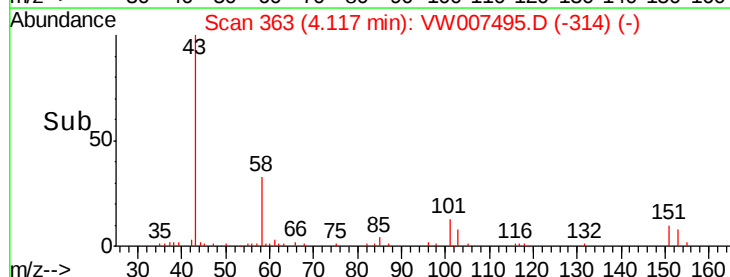
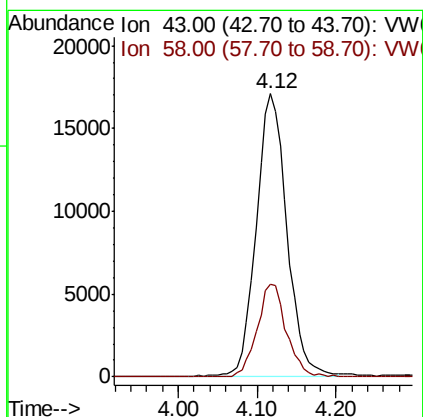
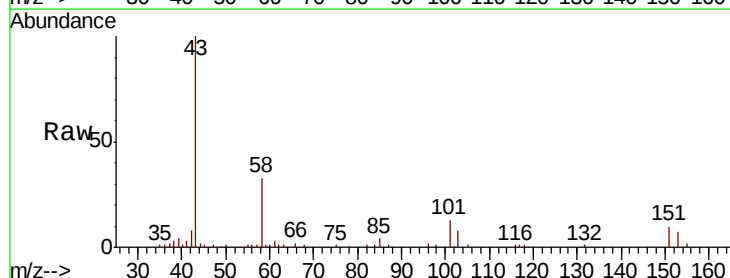
Acq: 13 Dec 2018 18:38

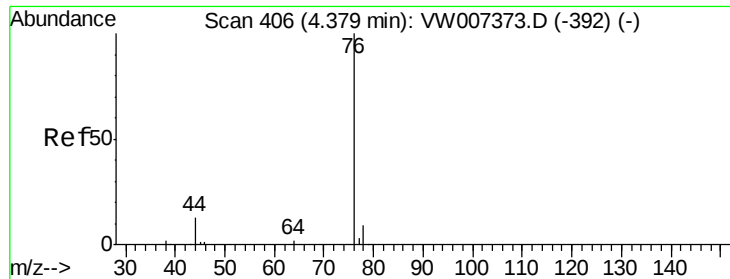
Tgt Ion: 43 Resp: 46290

Ion Ratio Lower Upper

43 100

58 32.7 24.9 37.3

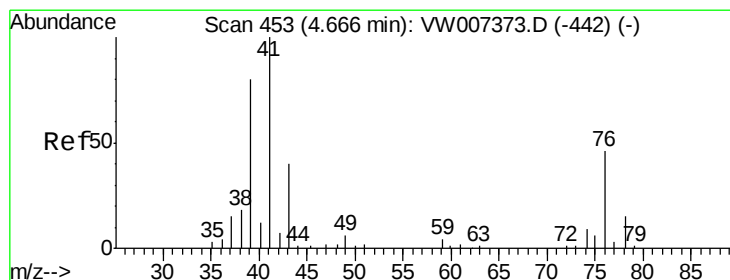
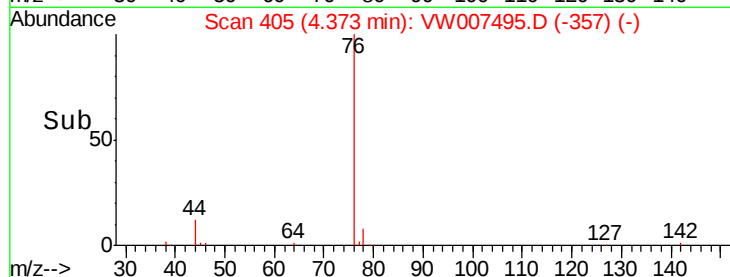
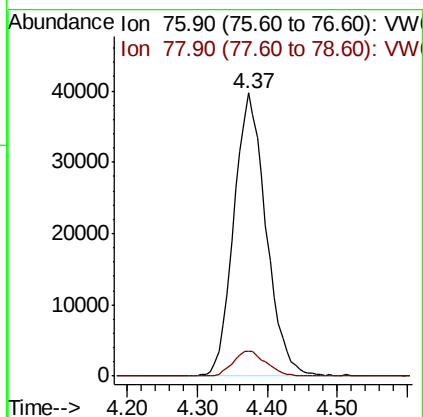
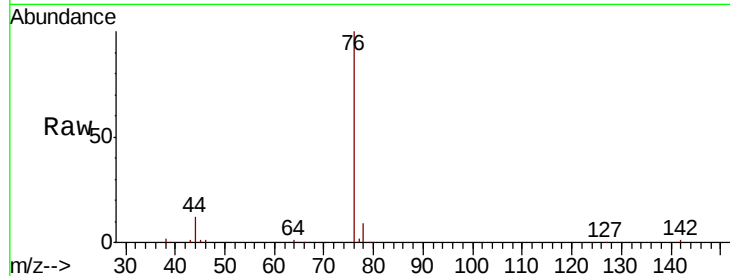




#17
Carbon Disulfide
Concen: 48.865 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

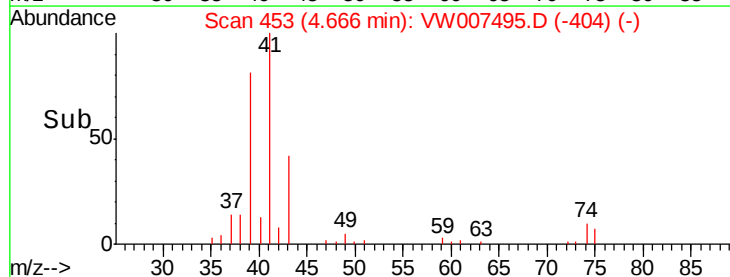
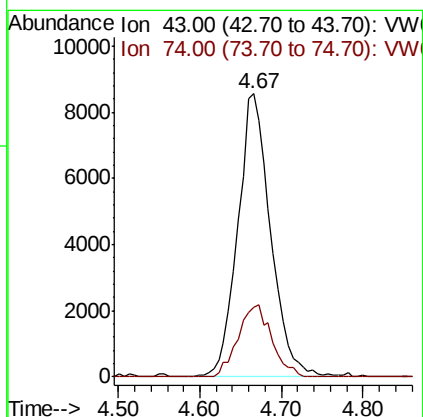
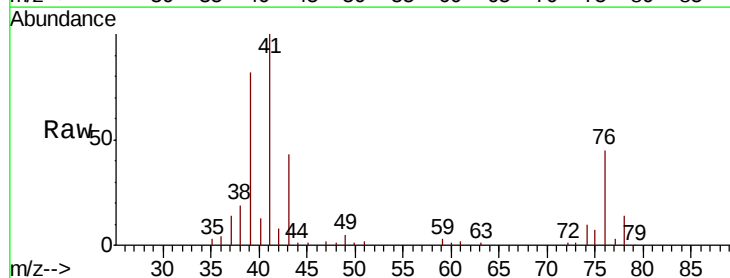
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

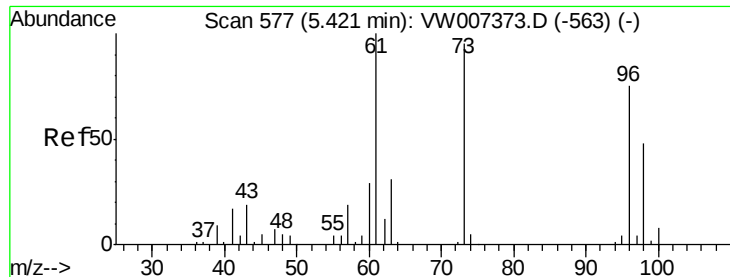
Tot Ion: 76 Resp: 127029
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 51.937 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 43 Resp: 23874
Ion Ratio Lower Upper
43 100
74 26.1 21.1 31.7

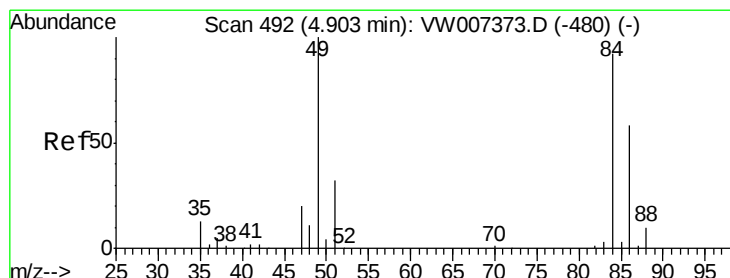
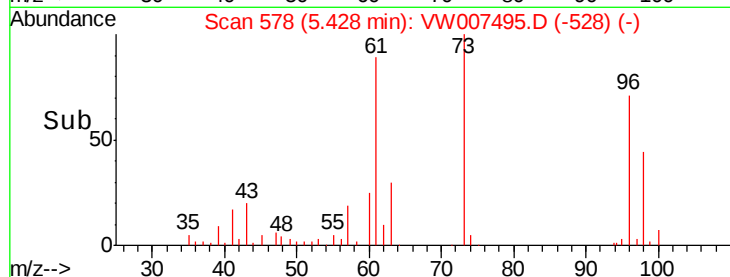
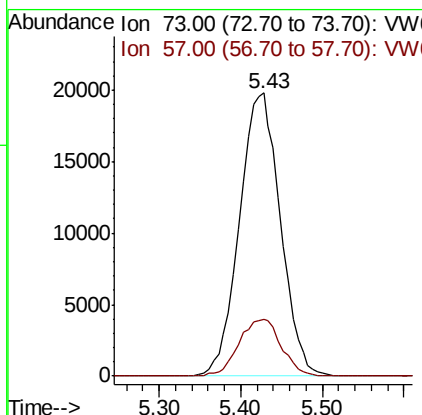
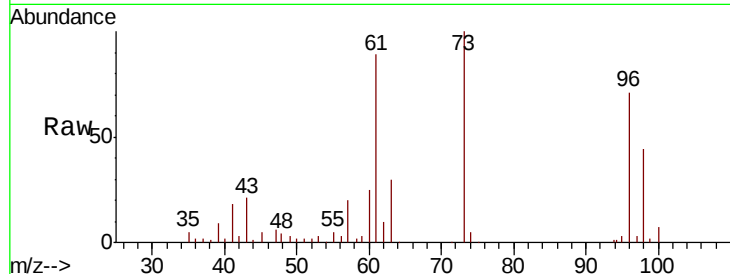




#19
Methyl tert-butyl Ether
Concen: 53.337 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

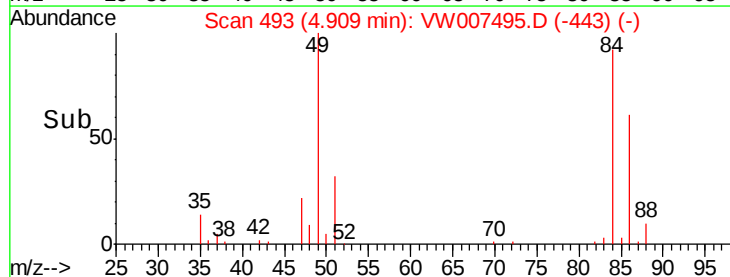
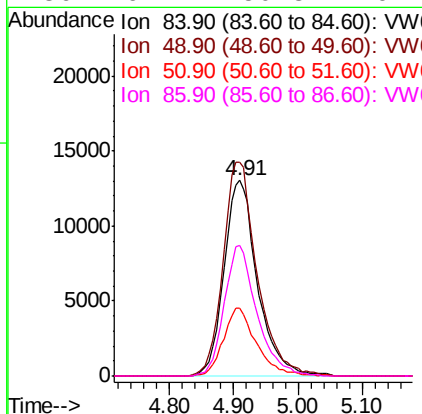
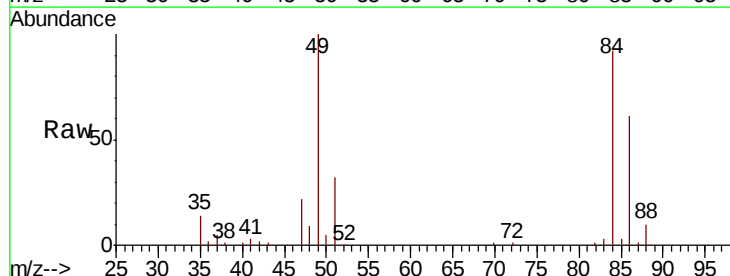
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

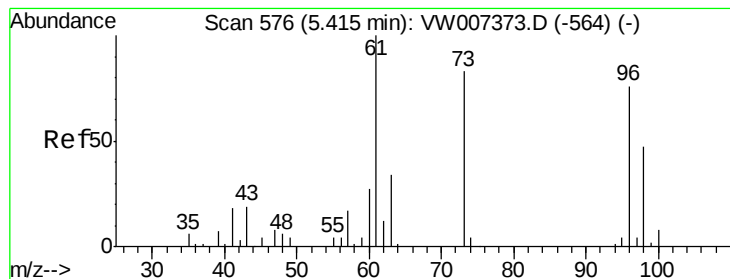
Tot Ion: 73 Resp: 68985
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6



#20
Methylene Chloride
Concen: 51.087 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 84 Resp: 47237
Ion Ratio Lower Upper
84 100
49 109.2 87.1 130.7
51 34.4 28.2 42.2
86 67.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.066 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

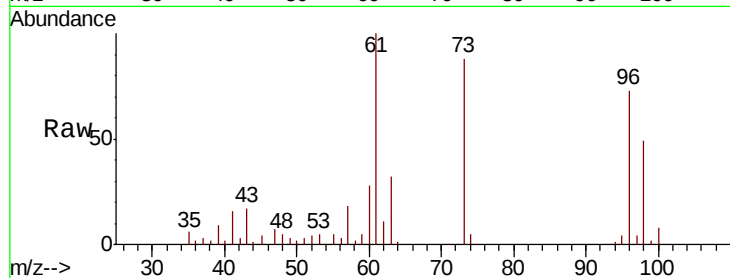
Tot Ion: 96 Resp: 48018

Ion Ratio Lower Upper

96 100

61 136.3 105.0 157.6

98 66.1 49.7 74.5

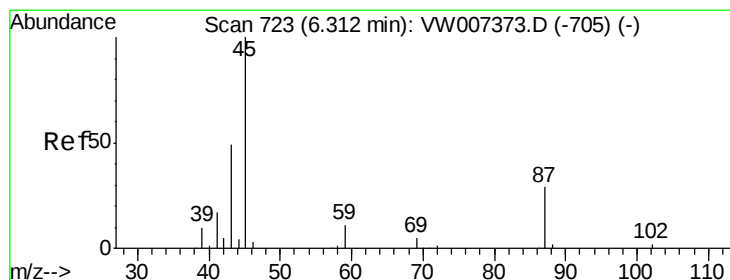
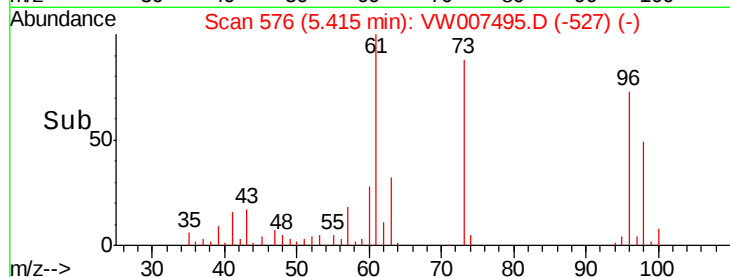
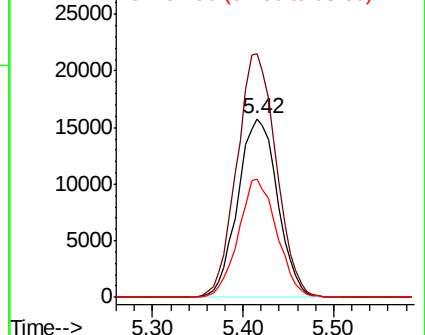


Abundance

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: 52.107 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Tgt Ion: 45 Resp: 126576

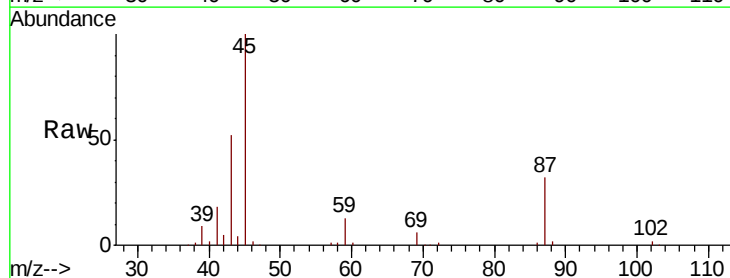
Ion Ratio Lower Upper

45 100

43 52.0 41.6 62.4

87 32.3 24.3 36.5

59 12.9 9.4 14.0



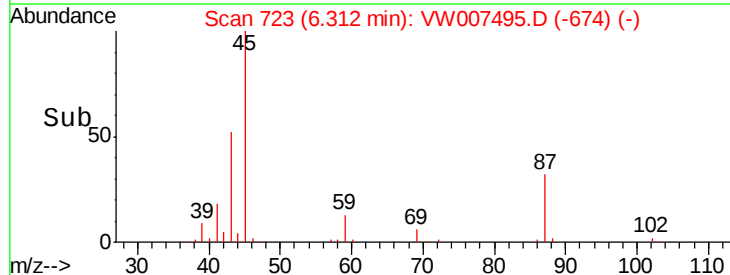
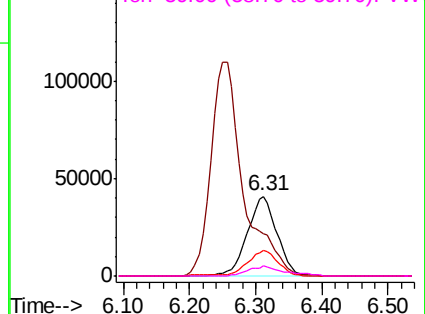
Abundance

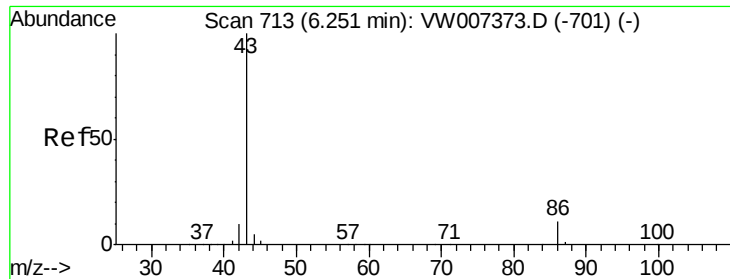
Ion 45.00 (44.70 to 45.70): VW

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: 274.405 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

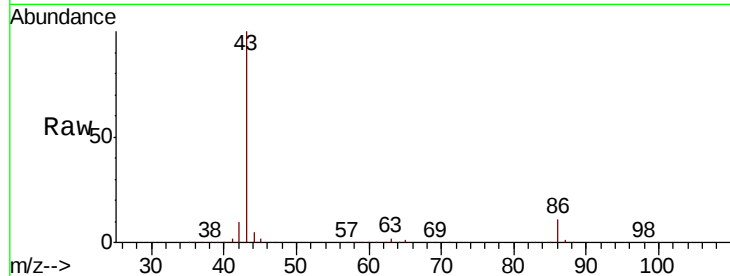
VSTDCCC050EC

Tot Ion: 43 Resp: 372834

Ion Ratio Lower Upper

43 100

86 11.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

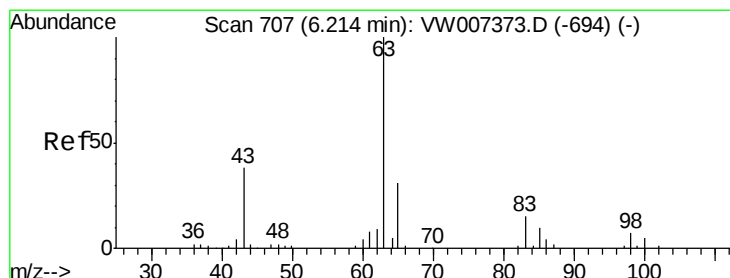
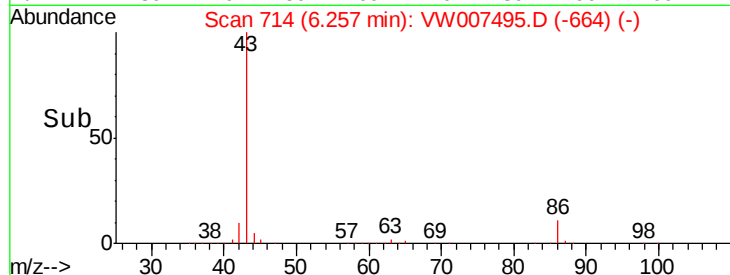
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.155 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

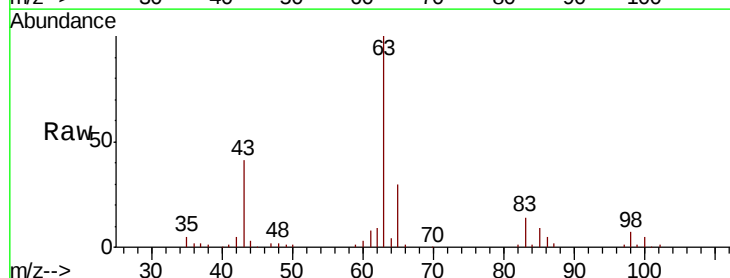
Tgt Ion: 63 Resp: 82343

Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.8 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

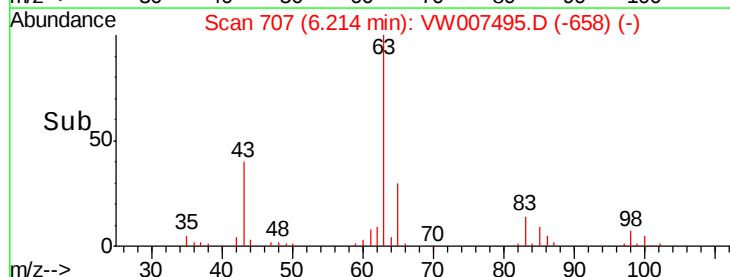
30000

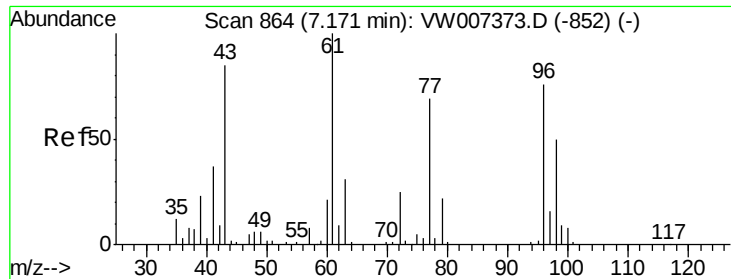
20000

10000

0

Time-->





#25

2-Butanone

Concen: 275.778 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

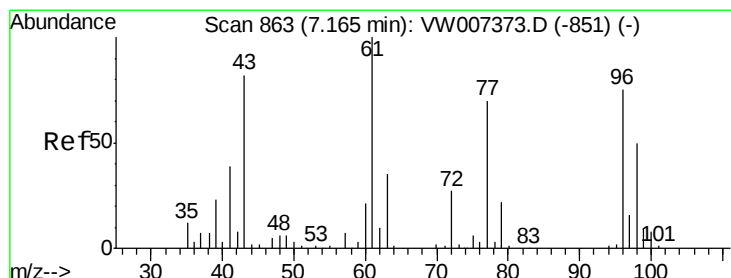
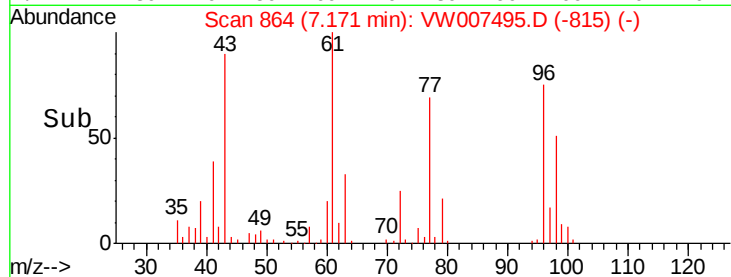
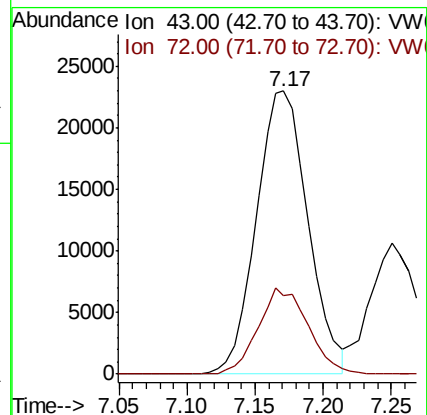
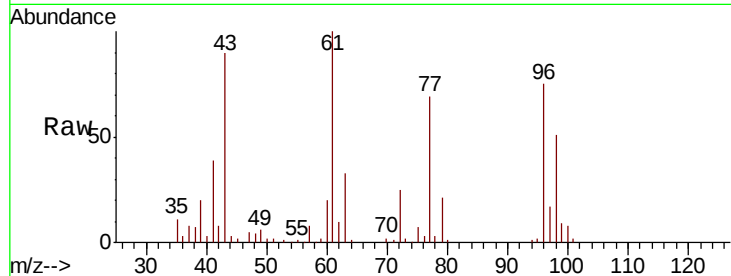
VSTDCCC050EC

Tot Ion: 43 Resp: 60976

Ion Ratio Lower Upper

43 100

72 27.7 23.4 35.2



#26

2,2-Dichloropropane

Concen: 50.428 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW007495.D

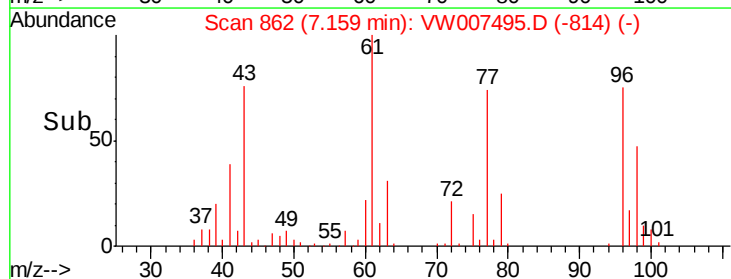
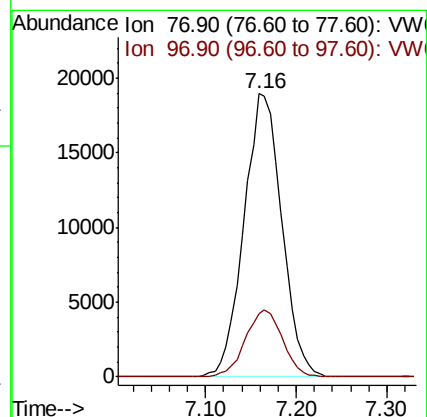
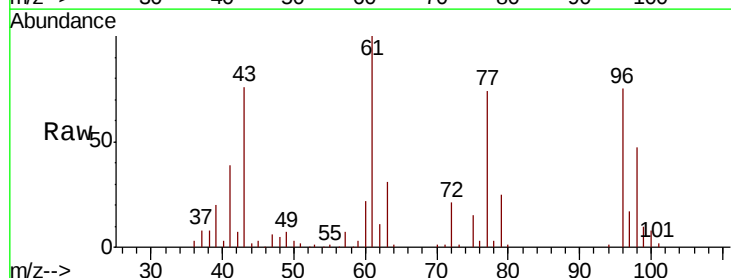
Acq: 13 Dec 2018 18:38

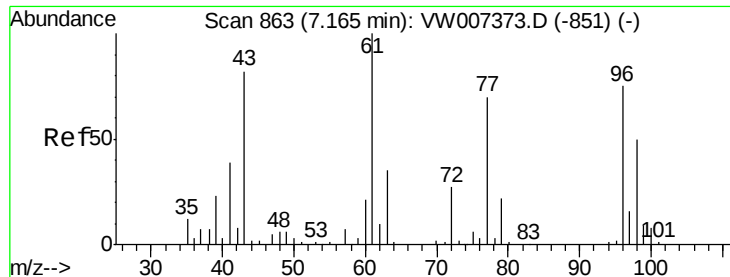
Tgt Ion: 77 Resp: 54792

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.8



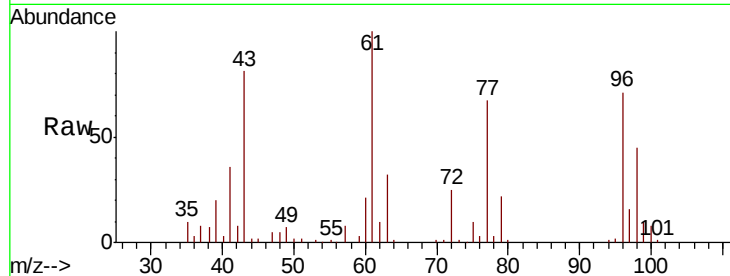


#27

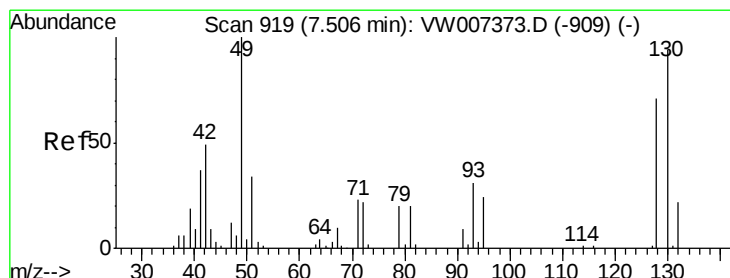
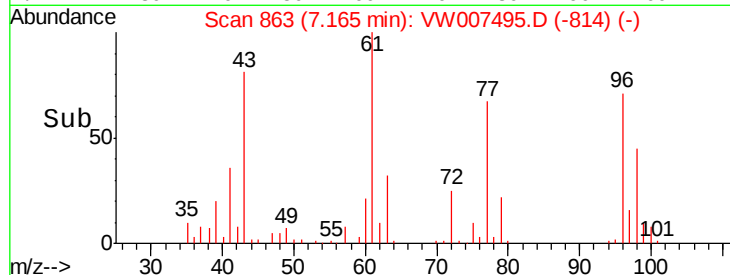
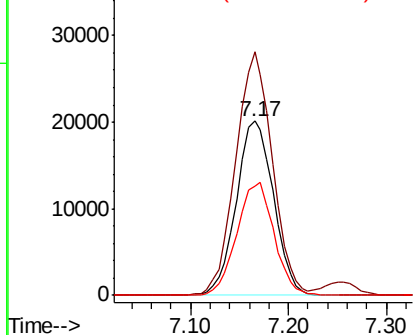
cis-1,2-Dichloroethene
Concen: 50.710 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 53254
Ion Ratio Lower Upper
96 100
61 137.6 0.0 268.4
98 64.4 0.0 127.8



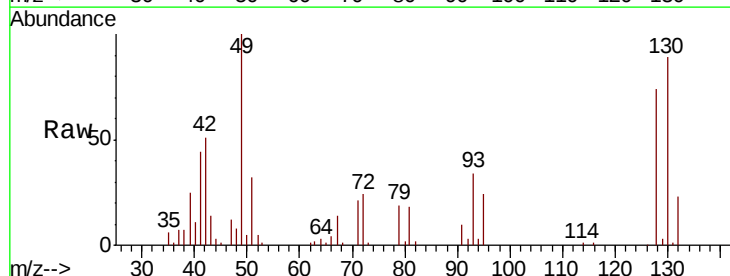
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



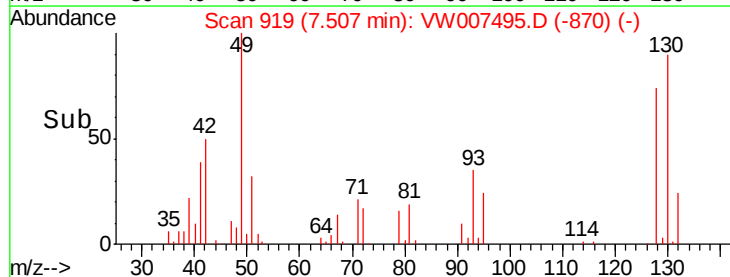
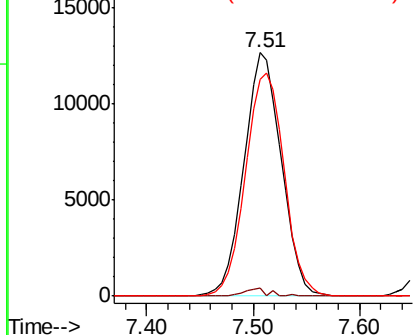
#28

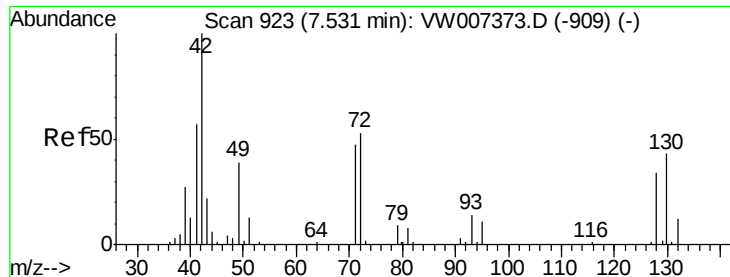
Bromochloromethane
Concen: 50.632 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 49 Resp: 31267
Ion Ratio Lower Upper
49 100
129 1.9 0.0 2.6
130 94.5 75.9 113.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

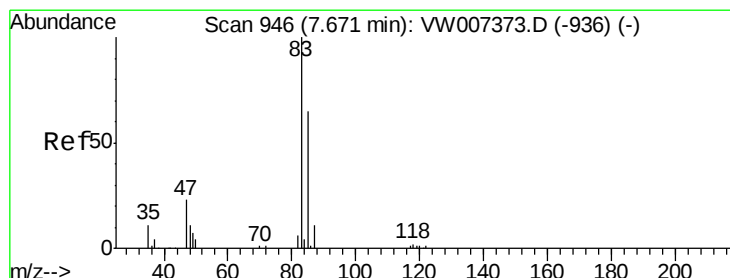
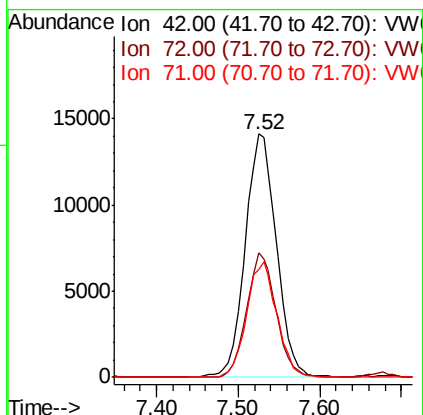
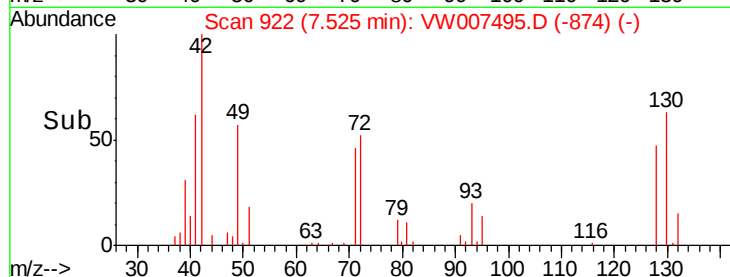
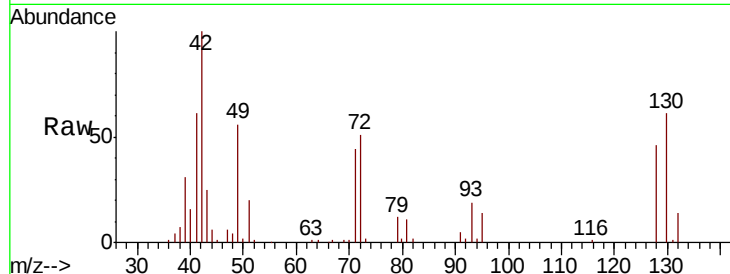




#29
Tetrahydrofuran
Concen: 268.863 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

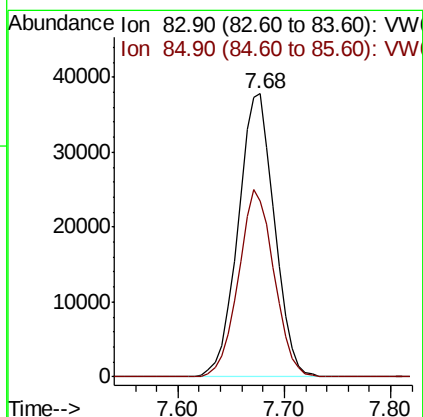
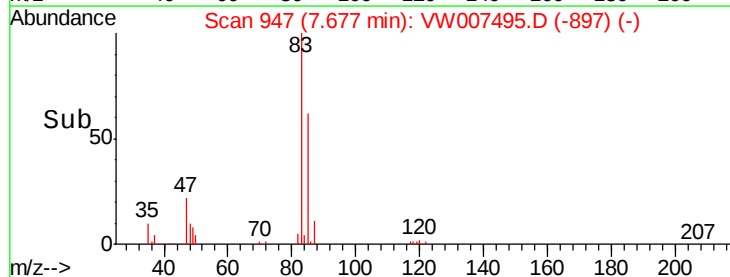
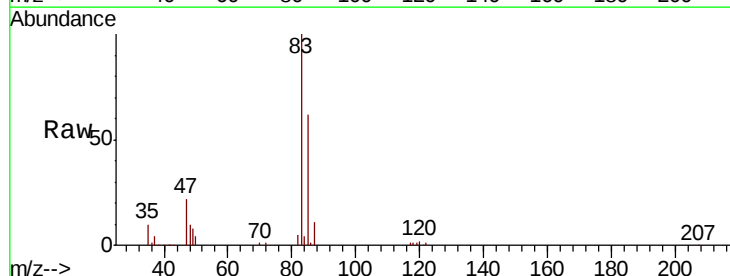
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

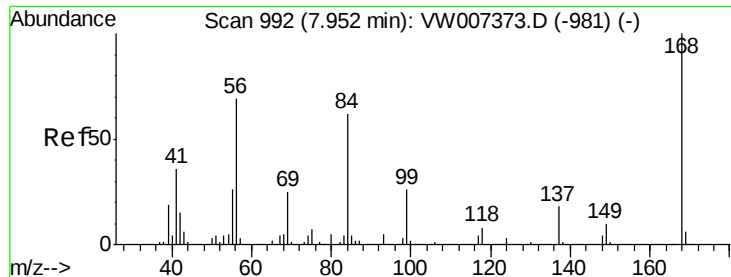
Tot Ion: 42 Resp: 37634
Ion Ratio Lower Upper
42 100
72 47.9 38.2 57.4
71 45.9 35.5 53.3



#30
Chloroform
Concen: 50.636 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 83 Resp: 90468
Ion Ratio Lower Upper
83 100
85 62.3 51.8 77.8

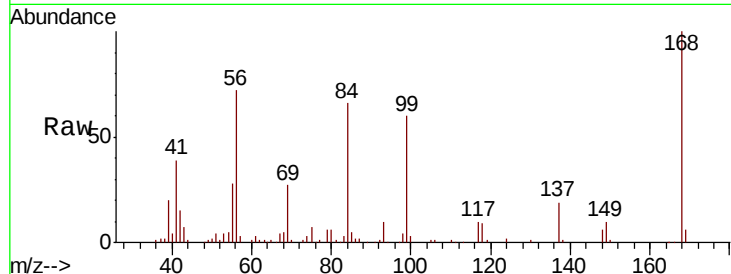




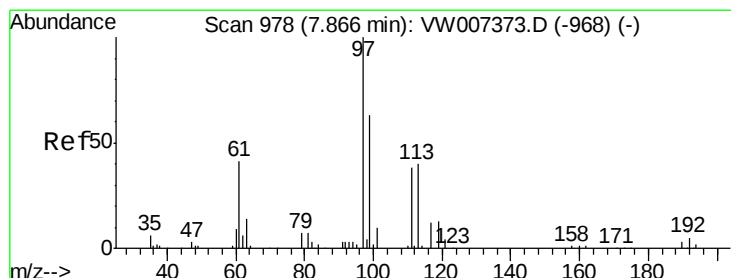
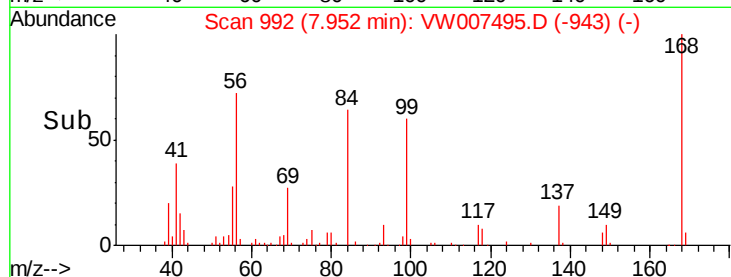
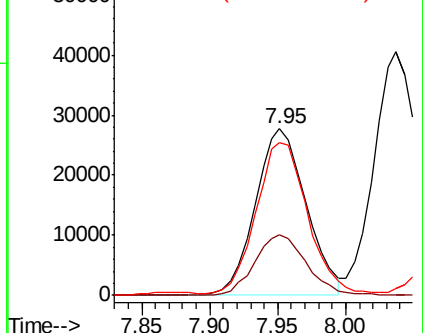
#31
Cyclohexane
Concen: 47.967 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 72252
Ion Ratio Lower Upper
56 100
69 36.7 28.9 43.3
84 90.0 71.8 107.6

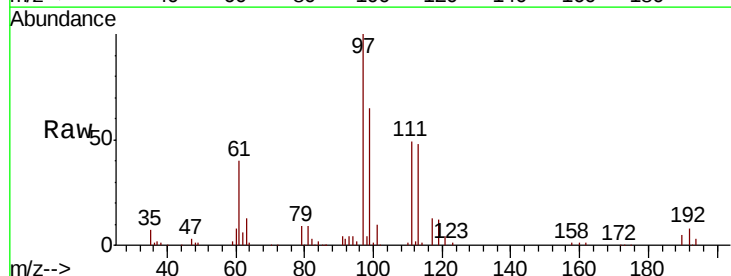


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

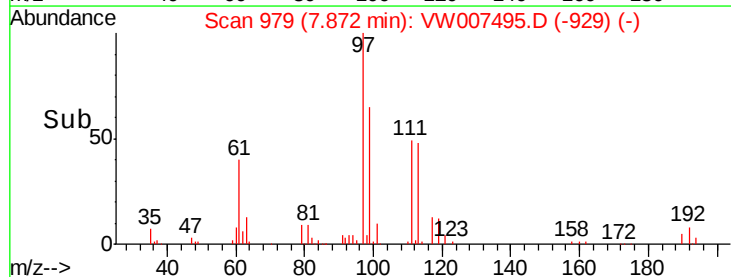
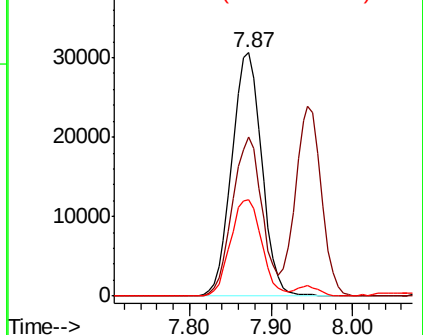


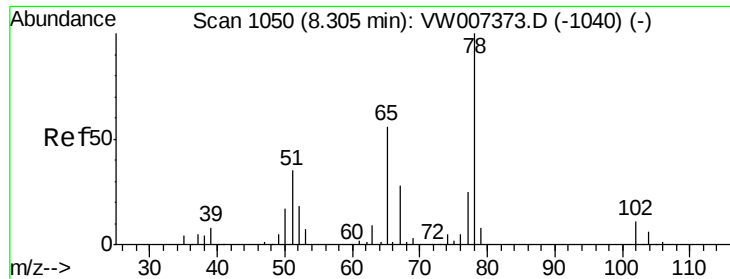
#32
1,1,1-Trichloroethane
Concen: 49.617 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 97 Resp: 77737
Ion Ratio Lower Upper
97 100
99 64.6 51.1 76.7
61 41.2 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

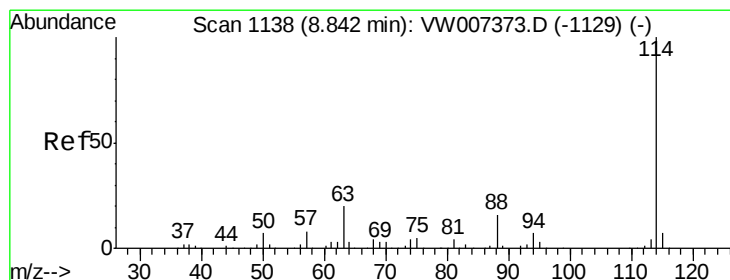
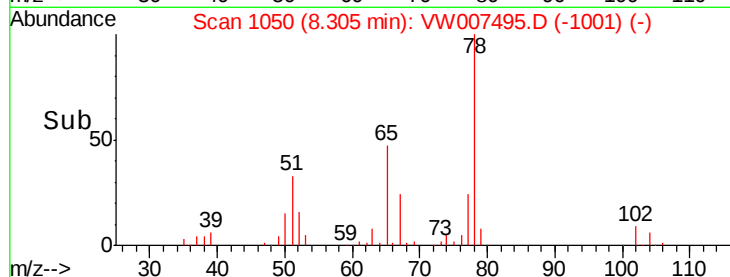
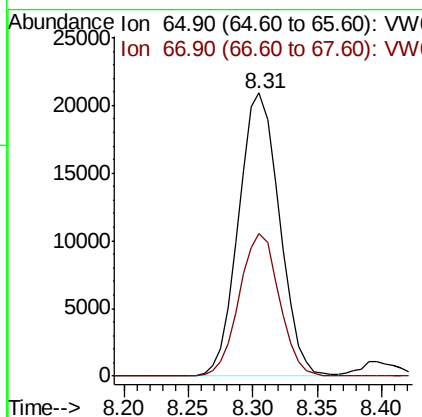
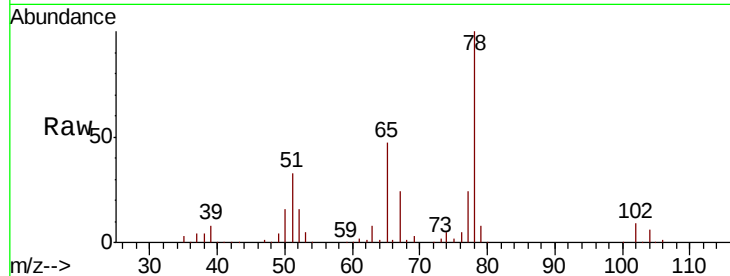




#33
 1,2-Dichloroethane-d4
 Concen: 47.496 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

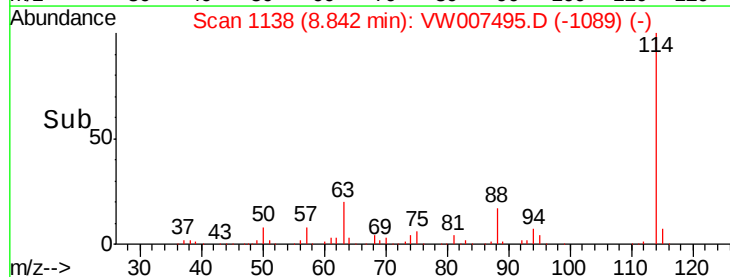
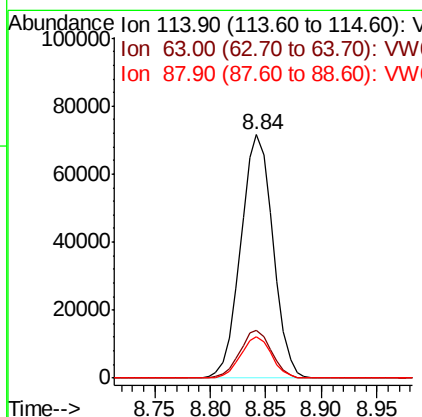
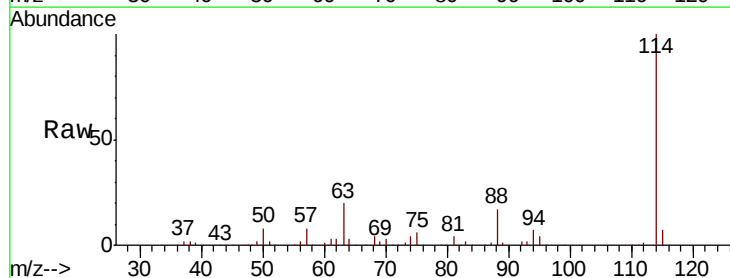
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

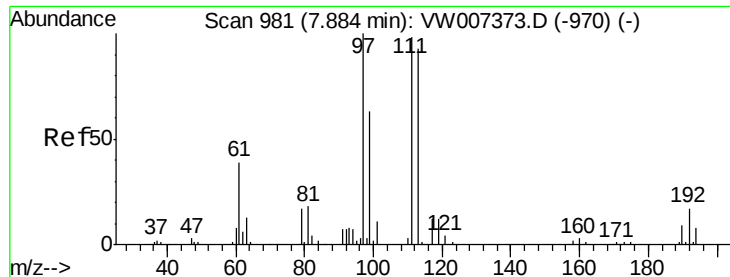
Tot Ion: 65 Resp: 46053
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 114 Resp: 143748
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 16.7 0.0 31.4

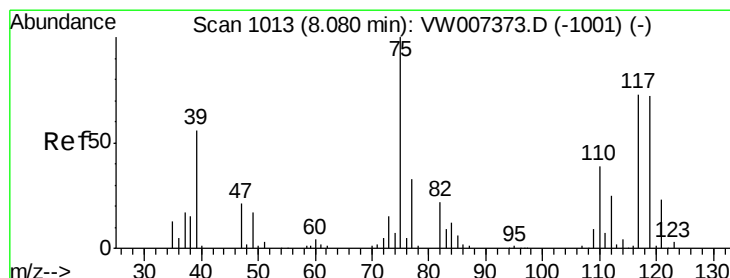
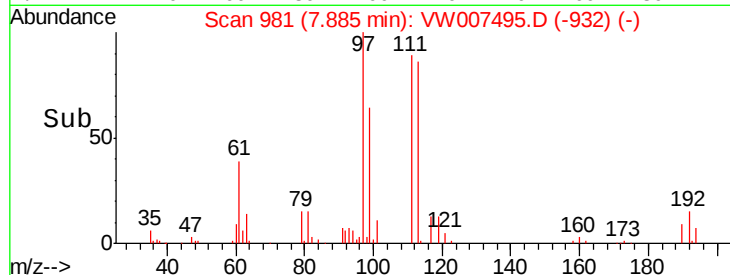
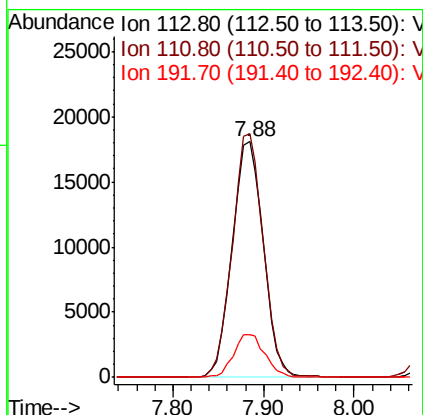
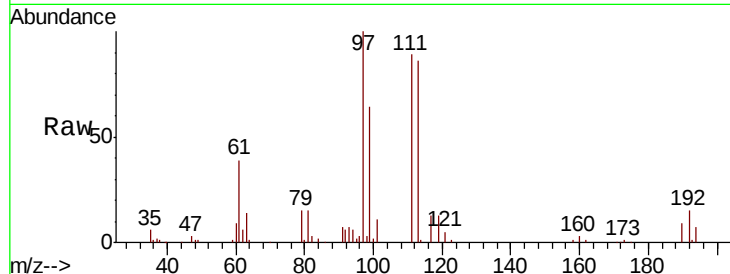




#35
 Dibromofluoromethane
 Concen: 49.770 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

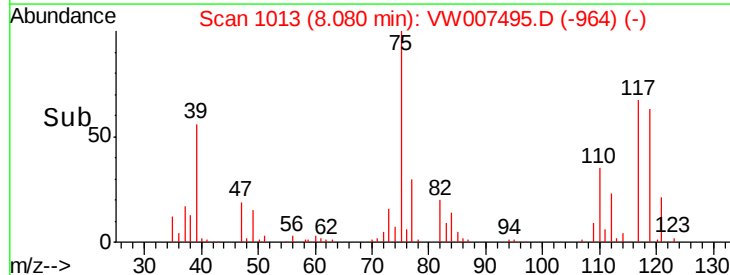
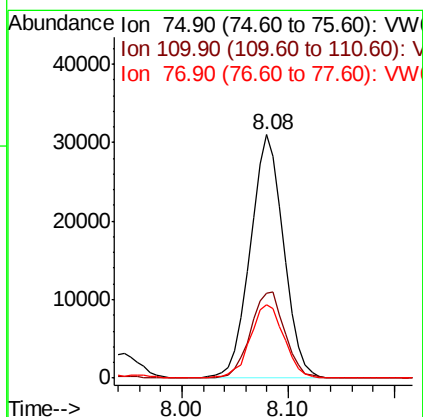
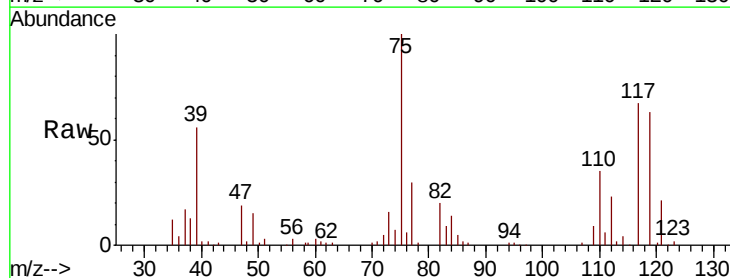
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

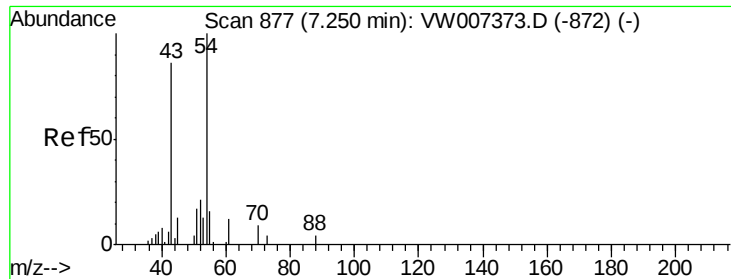
Tot Ion:113 Resp: 43308
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 18.0 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 51.948 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 75 Resp: 68120
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.5 55.5
 77 30.7 25.6 38.4

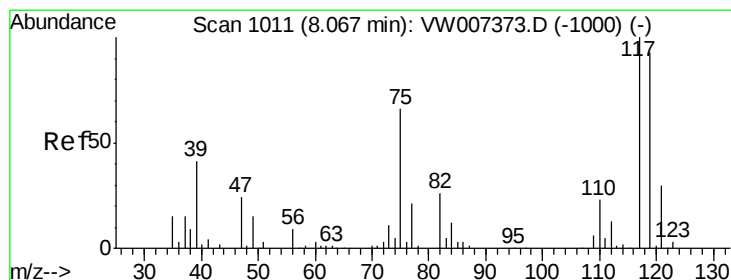
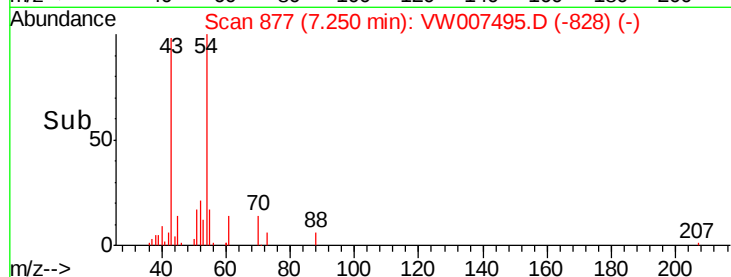
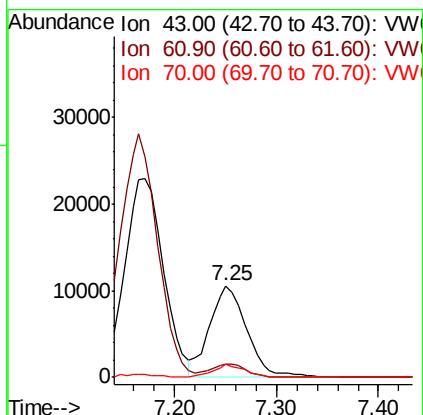
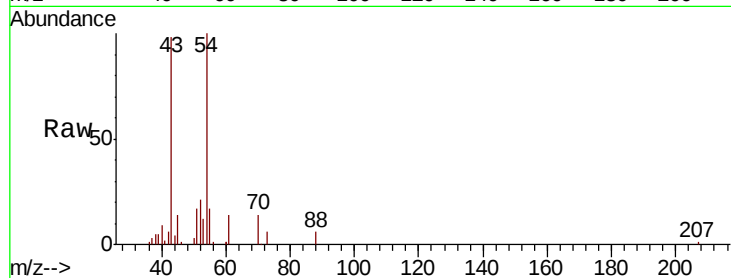




#37
Ethyl Acetate
Concen: 55.205 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

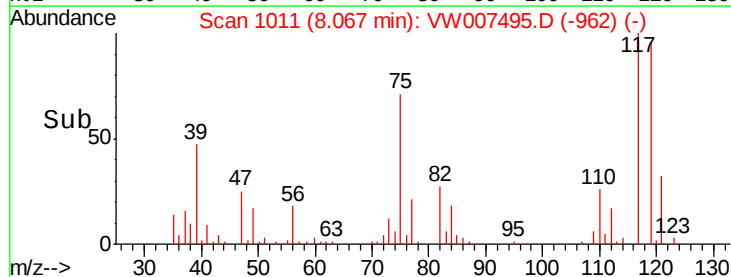
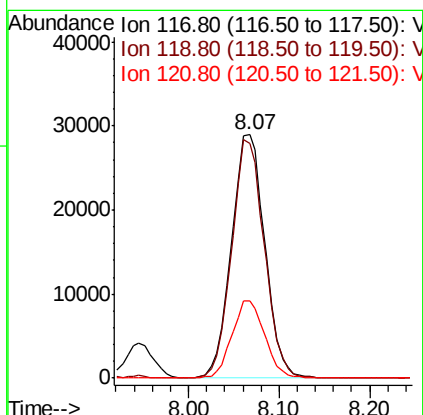
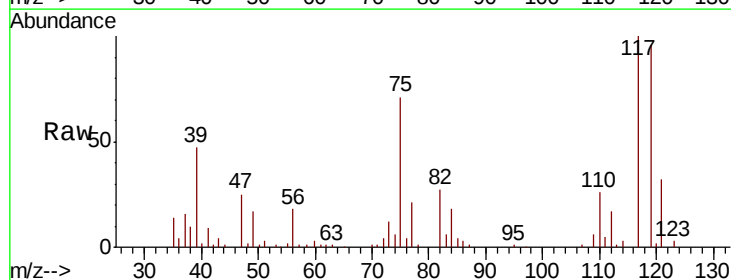
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

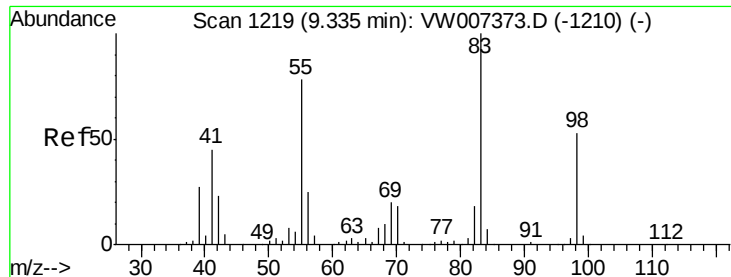
Tot Ion: 43 Resp: 26925
Ion Ratio Lower Upper
43 100
61 14.6 12.1 18.1
70 12.0 10.0 15.0



#38
Carbon Tetrachloride
Concen: 51.833 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 117 Resp: 73957
Ion Ratio Lower Upper
117 100
119 96.4 74.3 111.5
121 31.5 24.3 36.5

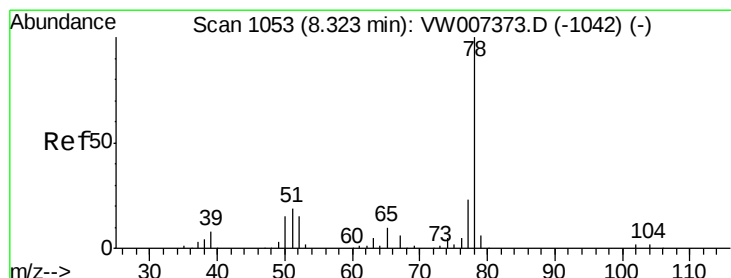
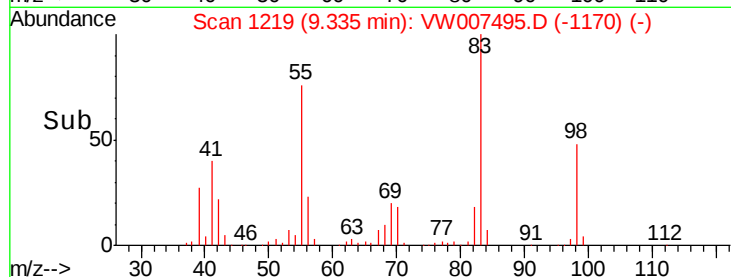
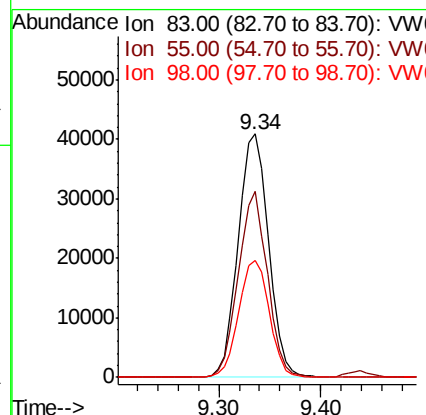
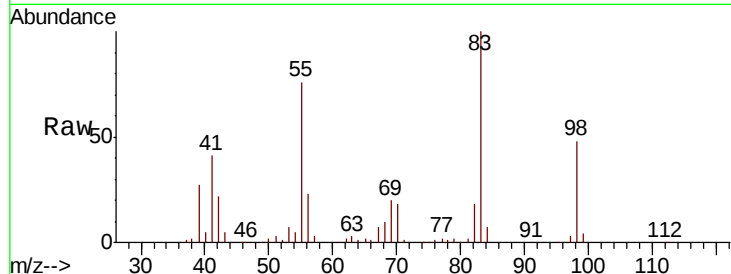




#39
Methvlcvclohexane
Concen: 53.190 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

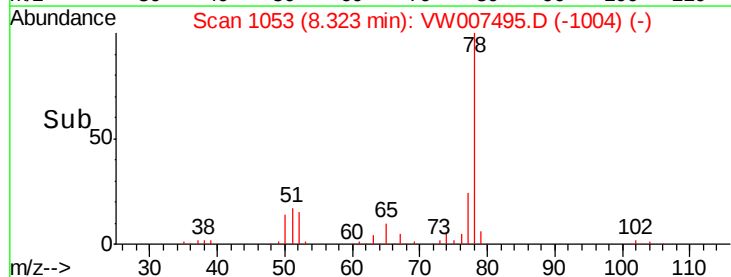
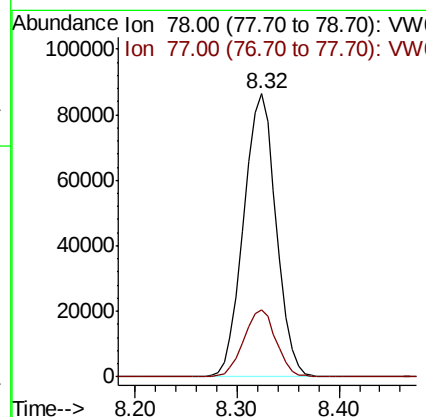
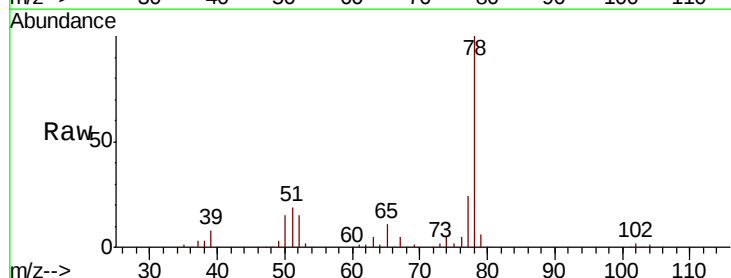
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

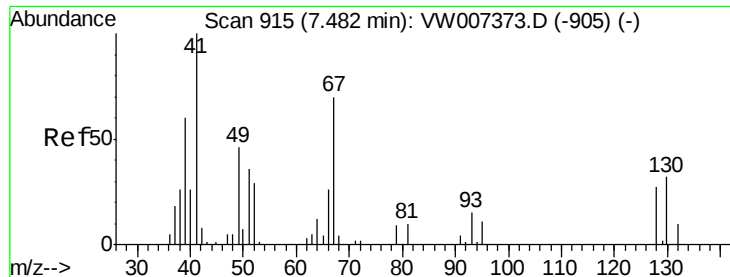
Tot Ion: 83 Resp: 84459
Ion Ratio Lower Upper
83 100
55 76.2 62.8 94.2
98 47.8 42.2 63.2



#40
Benzene
Concen: 52.450 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 78 Resp: 190872
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

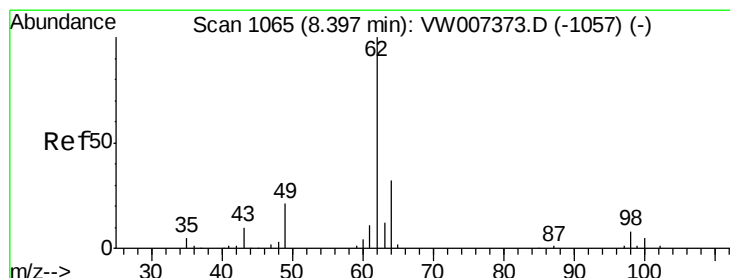
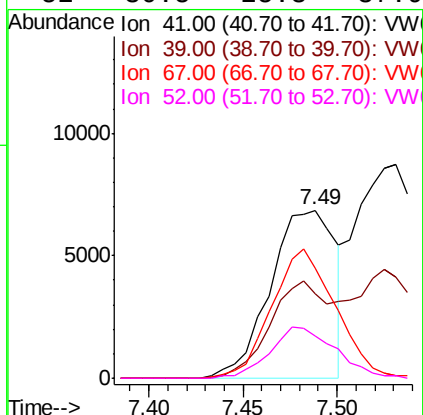
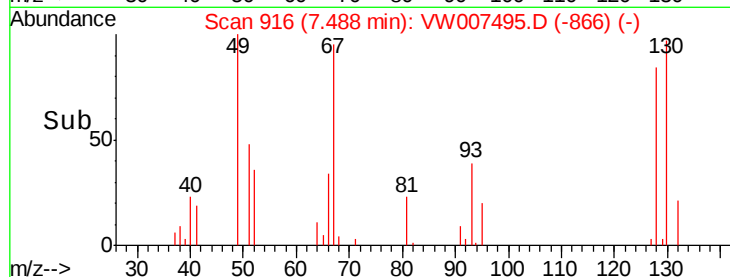
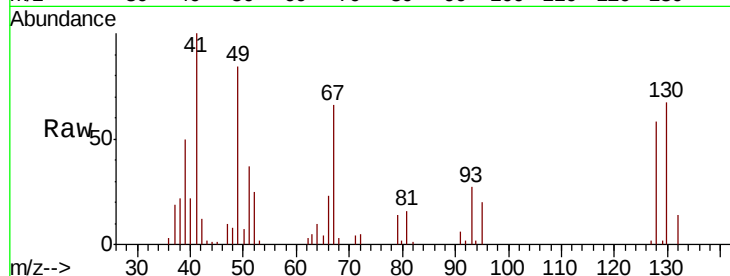




#41
Methacrylonitrile
Concen: 59.239 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

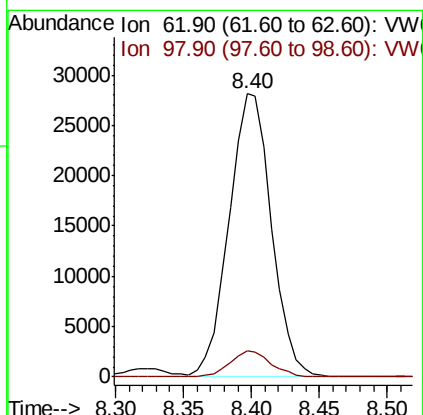
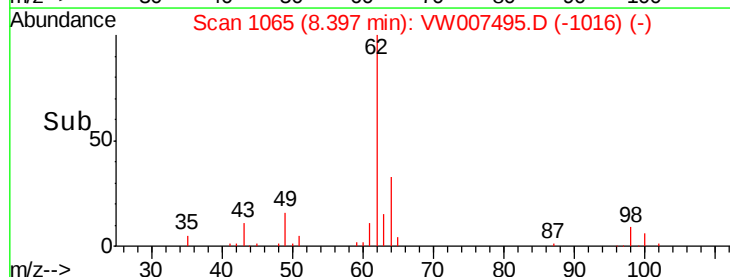
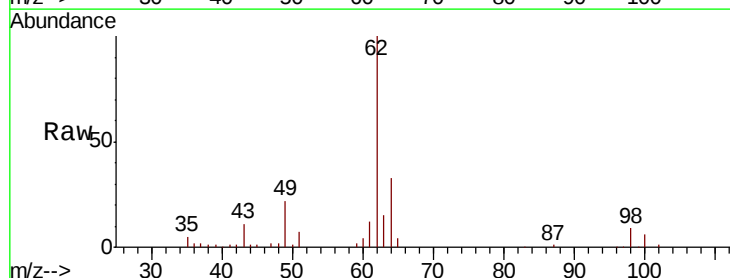
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

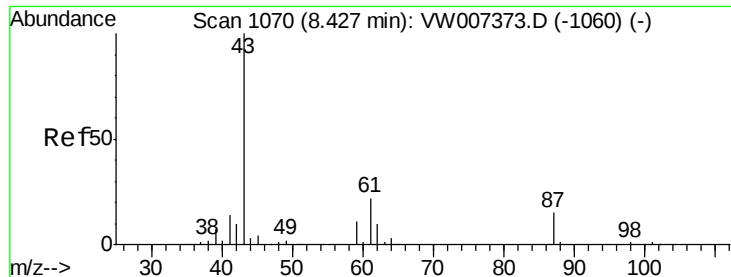
Tot Ion: 41 Resp: 16453
Ion Ratio Lower Upper
41 100
39 48.4 52.2 78.2#
67 75.2 60.5 90.7
52 30.5 25.3 37.9



#42
1,2-Dichloroethane
Concen: 53.415 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 62 Resp: 61062
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.6





#43

Isopropyl Acetate

Concen: 54.817 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

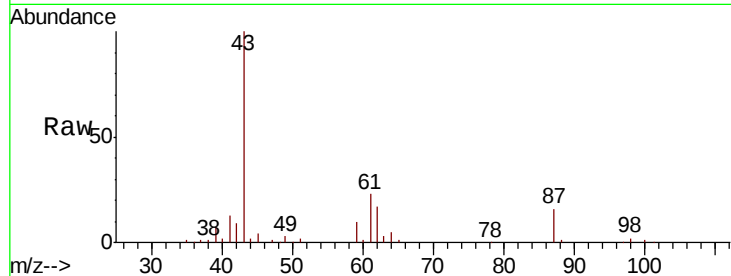
Tot Ion: 43 Resp: 52811

Ion Ratio Lower Upper

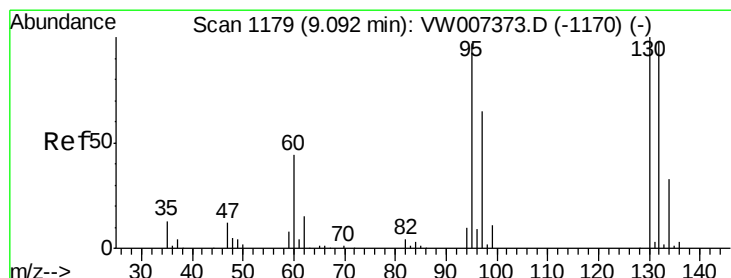
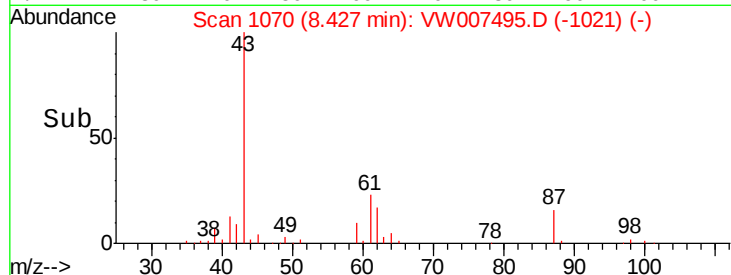
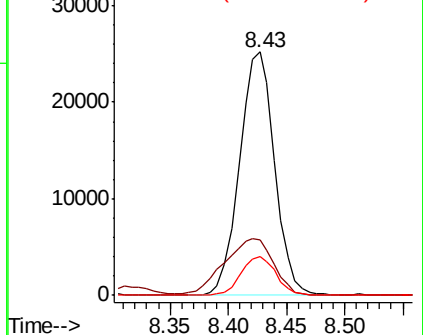
43 100

61 32.6 25.3 37.9

87 15.8 11.8 17.8



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



#44

Trichloroethene

Concen: 52.405 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007495.D

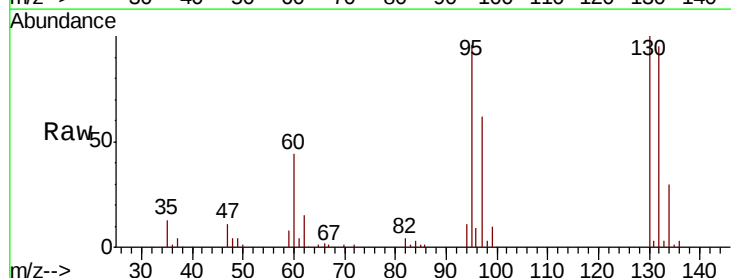
Acq: 13 Dec 2018 18:38

Tgt Ion: 130 Resp: 54459

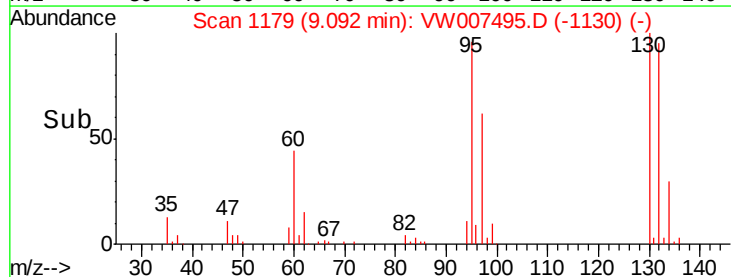
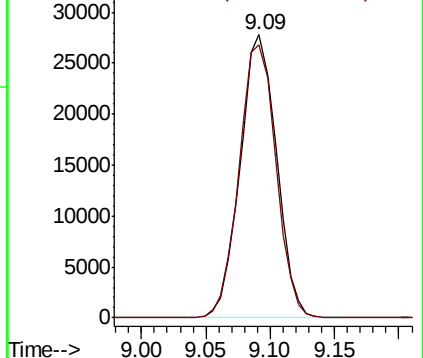
Ion Ratio Lower Upper

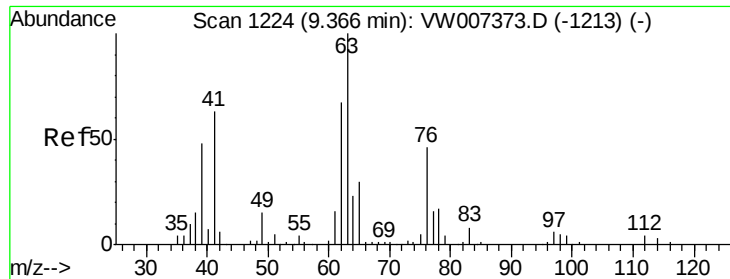
130 100

95 96.4 0.0 193.2



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





#45

1,2-Dichloropropane

Concen: 54.259 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

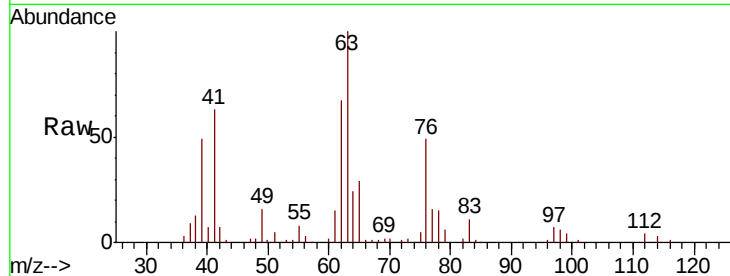
VSTDCCC050EC

Tot Ion: 63 Resp: 45694

Ion Ratio Lower Upper

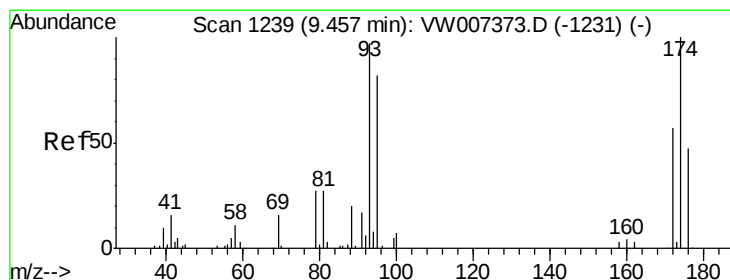
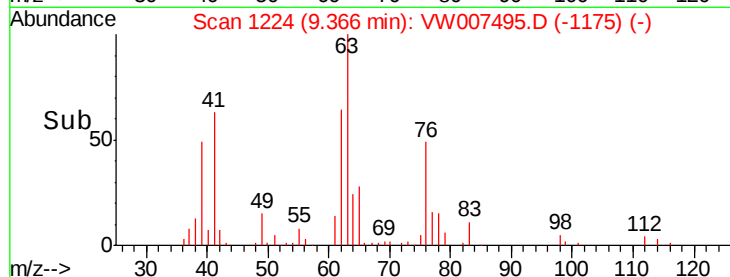
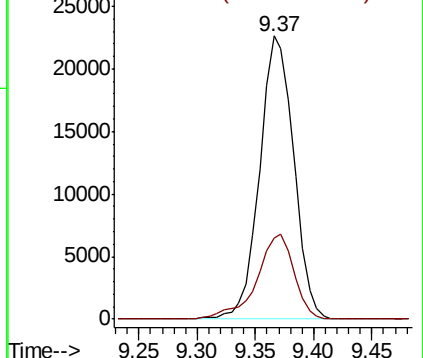
63 100

65 28.9 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: 53.653 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

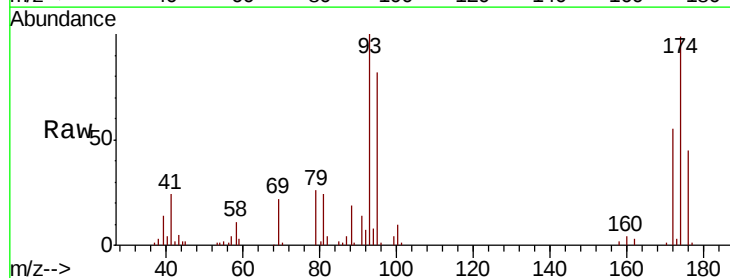
Tgt Ion: 93 Resp: 25659

Ion Ratio Lower Upper

93 100

95 85.6 68.0 102.0

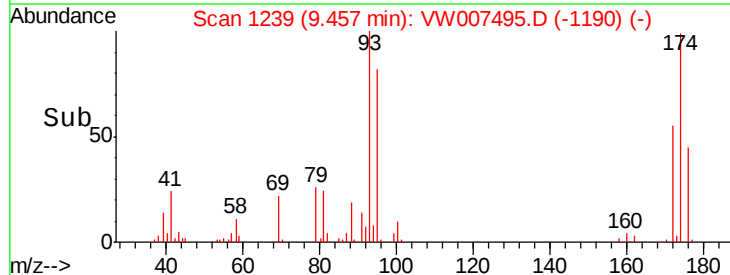
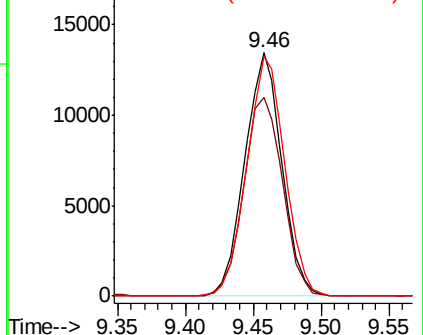
174 100.9 83.2 124.8

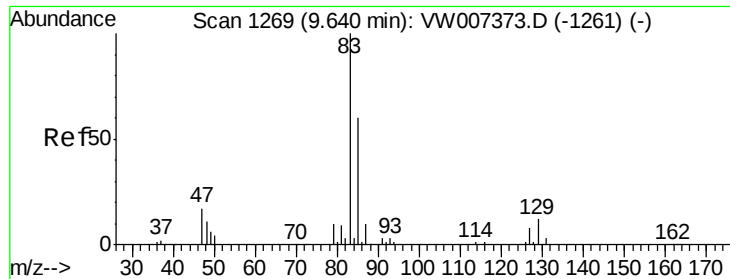


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.569 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

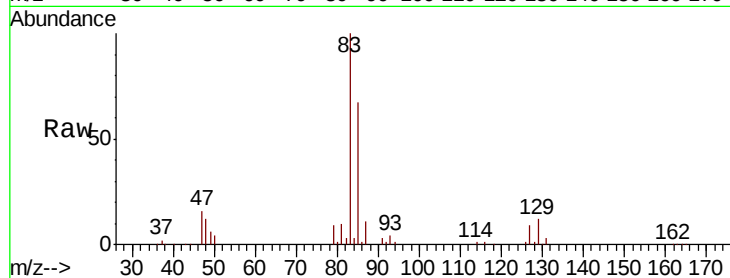
Tot Ion: 83 Resp: 65944

Ion Ratio Lower Upper

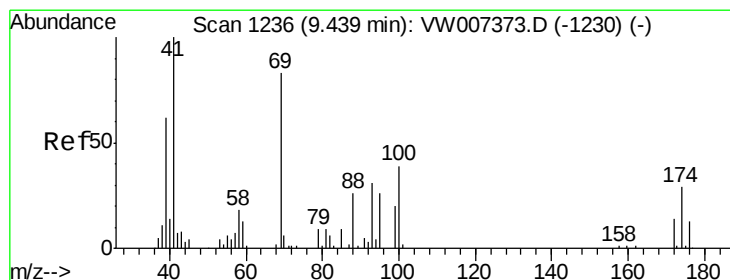
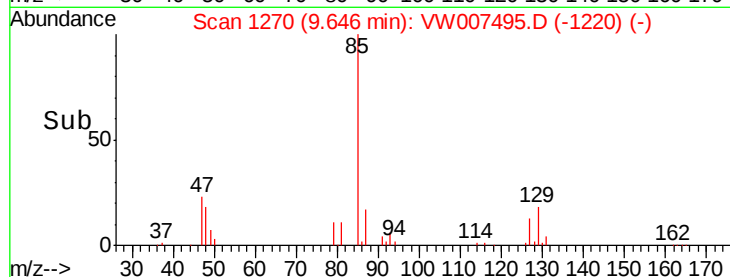
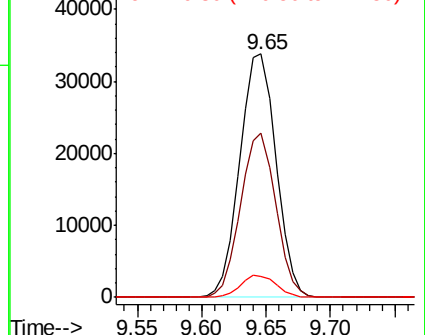
83 100

85 67.2 47.6 71.4

127 8.7 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: 53.487 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

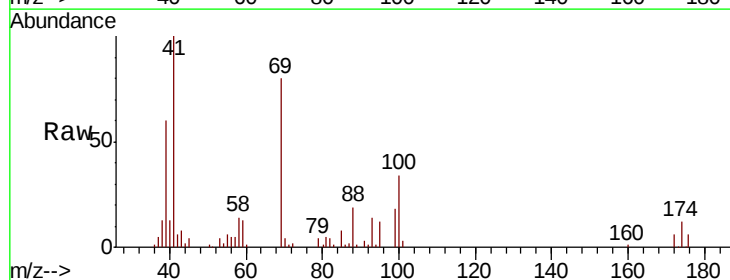
Tgt Ion: 41 Resp: 26465

Ion Ratio Lower Upper

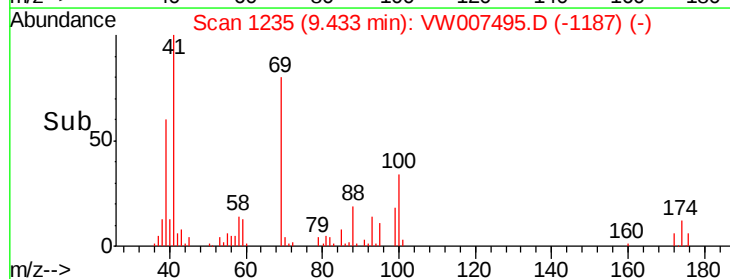
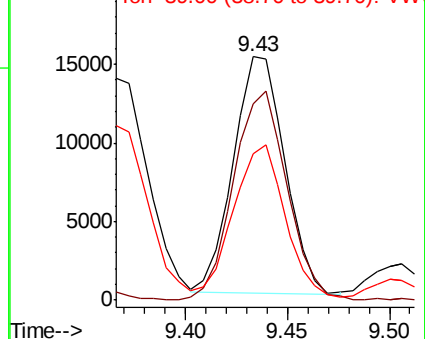
41 100

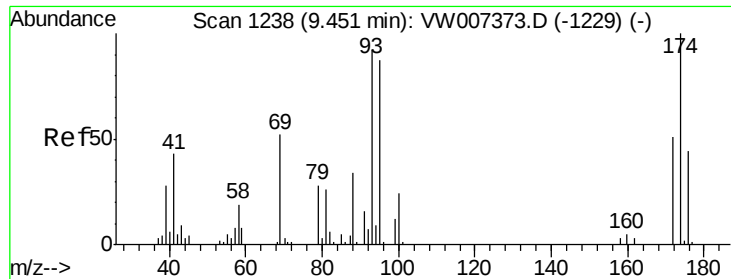
69 91.8 69.8 104.8

39 67.1 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

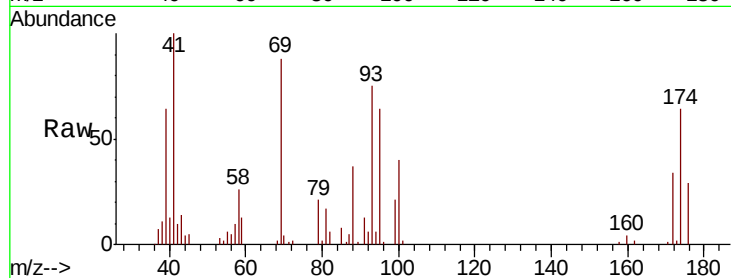




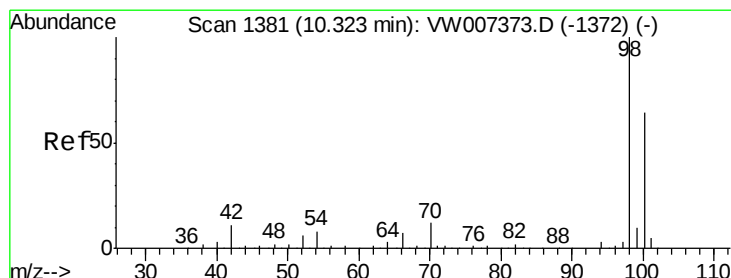
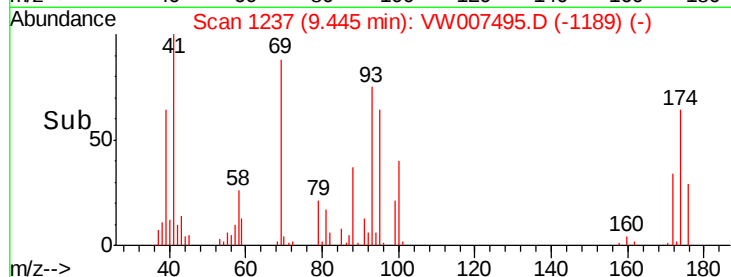
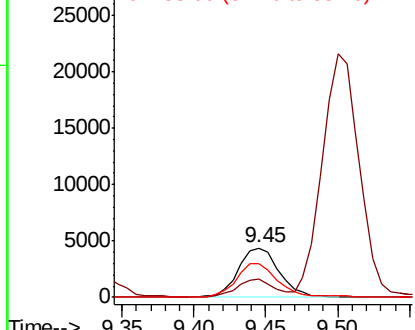
#49
1,4-Dioxane
Concen: 1113.052 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 8637
Ion Ratio Lower Upper
88 100
43 33.9 25.0 37.4
58 68.1 51.4 77.2

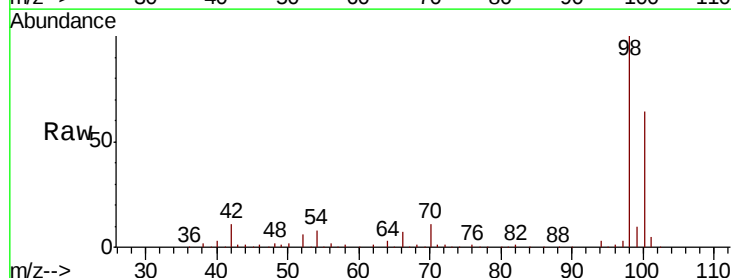


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

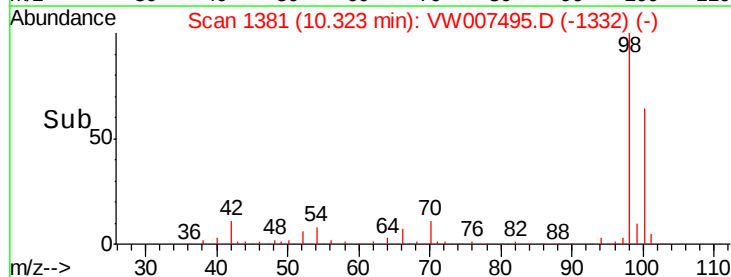
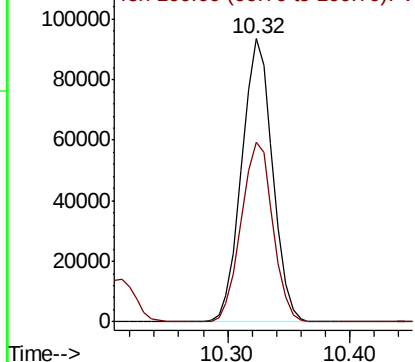


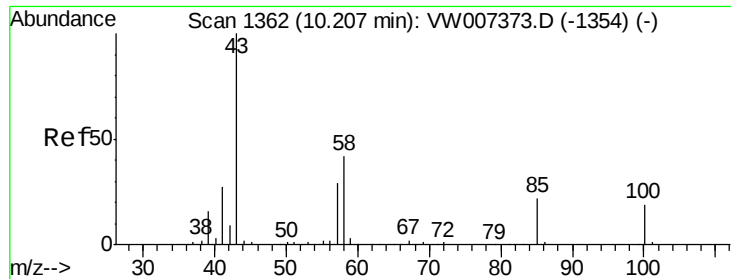
#50
Toluene-d8
Concen: 50.050 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 98 Resp: 163295
Ion Ratio Lower Upper
98 100
100 65.1 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: 291.843 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

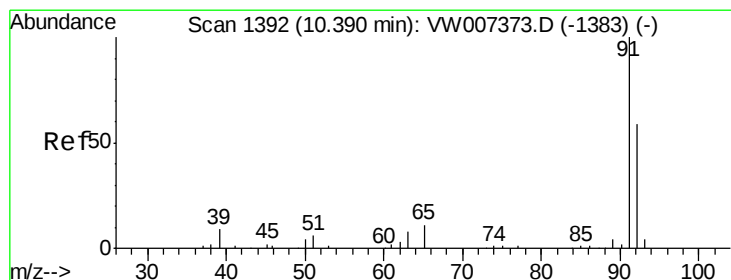
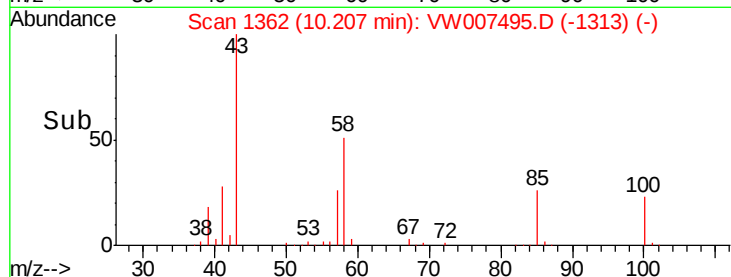
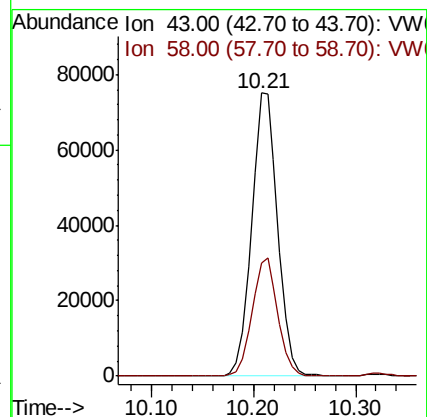
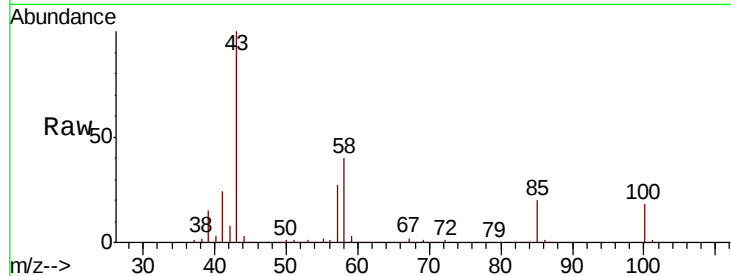
VSTDCCC050EC

Tot Ion: 43 Resp: 132850

Ion Ratio Lower Upper

43 100

58 41.1 33.1 49.7



#52

Toluene

Concen: 53.536 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007495.D

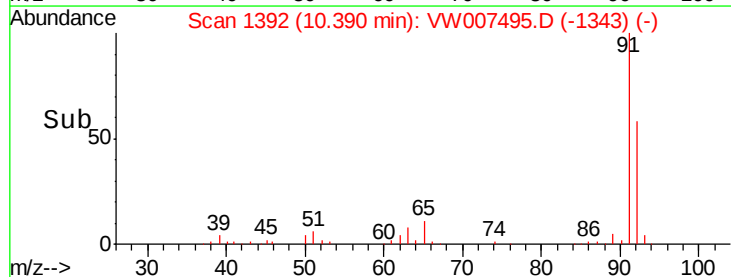
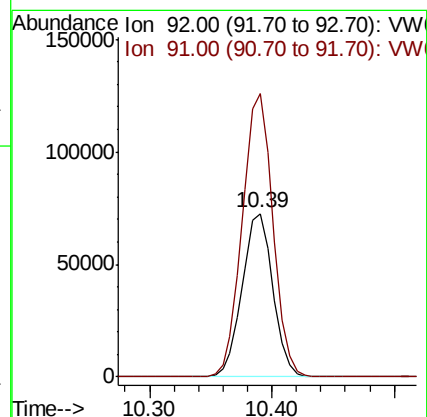
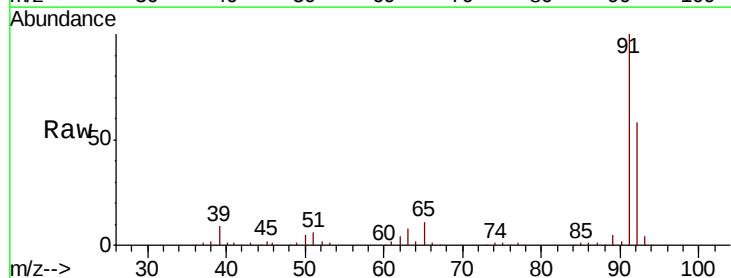
Acq: 13 Dec 2018 18:38

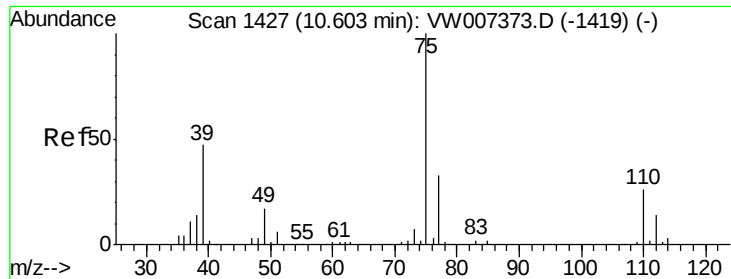
Tgt Ion: 92 Resp: 126080

Ion Ratio Lower Upper

92 100

91 172.8 136.2 204.2

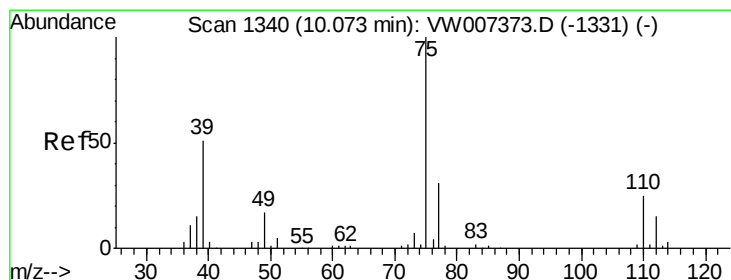
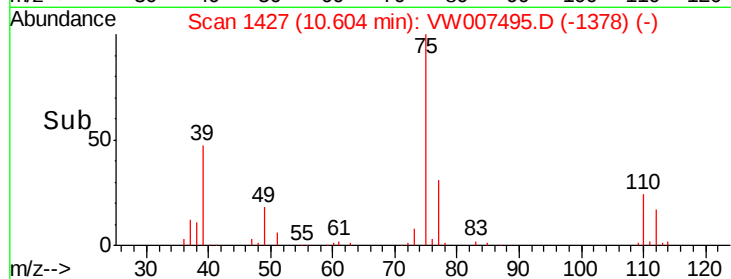
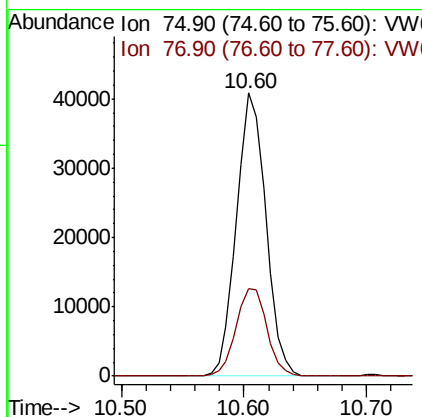
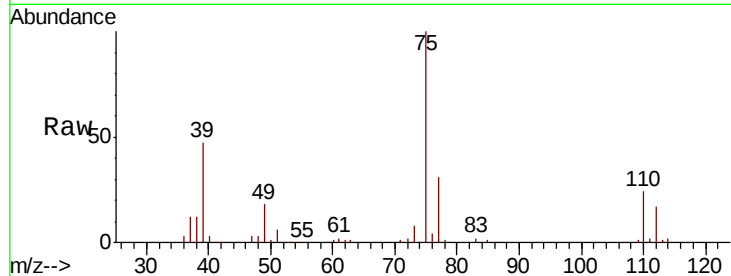




#53
 t-1,3-Dichloropropene
 Concen: 56.044 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

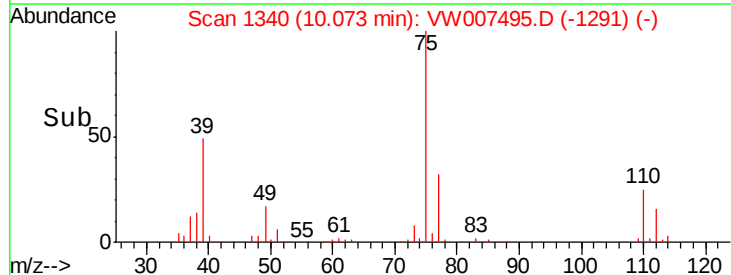
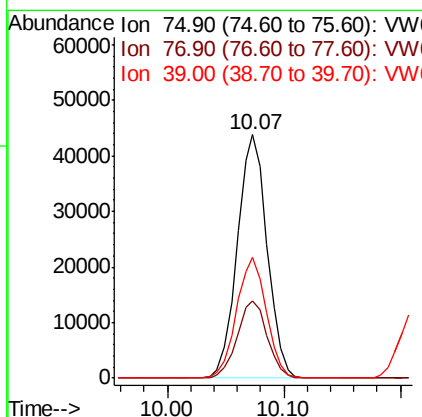
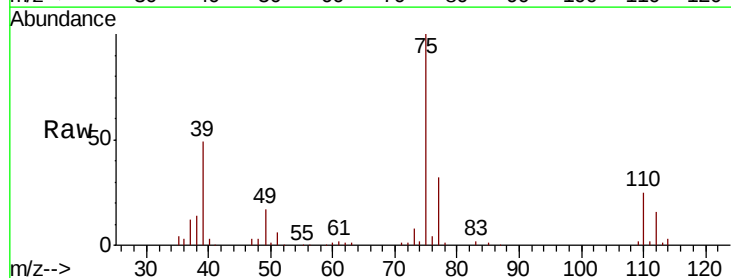
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

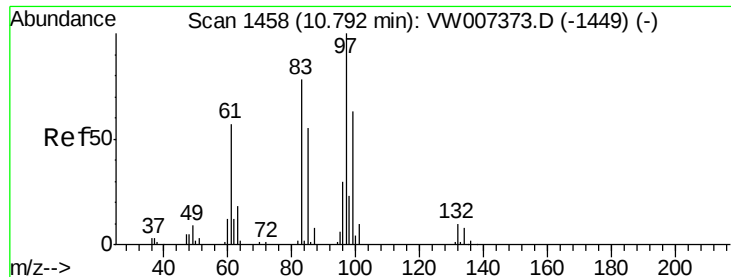
Tot Ion: 75 Resp: 68252
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.2 39.4



#54
 cis-1,3-Dichloropropene
 Concen: 55.322 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 75 Resp: 77884
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 49.5 40.9 61.3

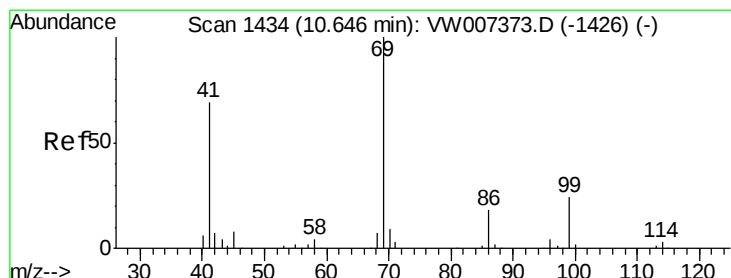
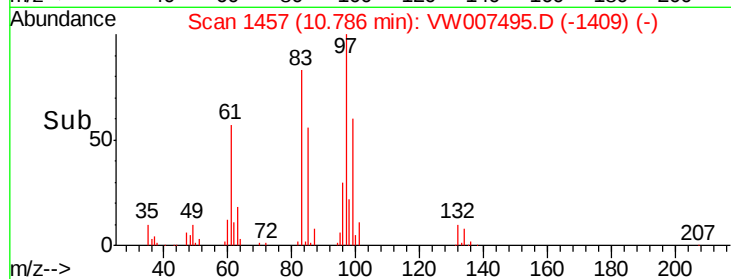
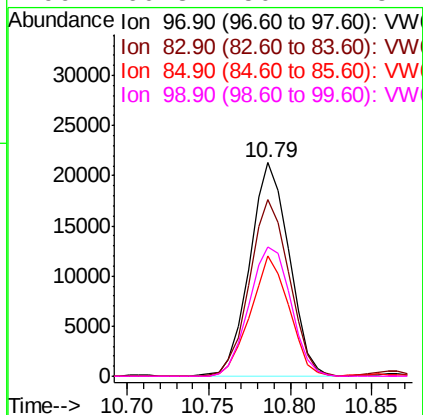
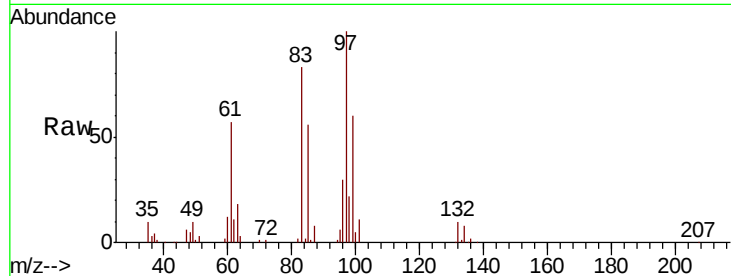




#55
 1,1,2-Trichloroethane
 Concen: 55.157 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

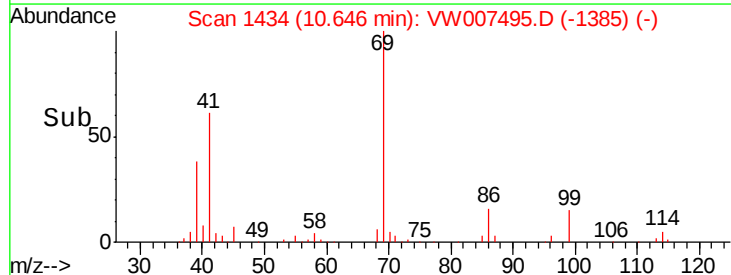
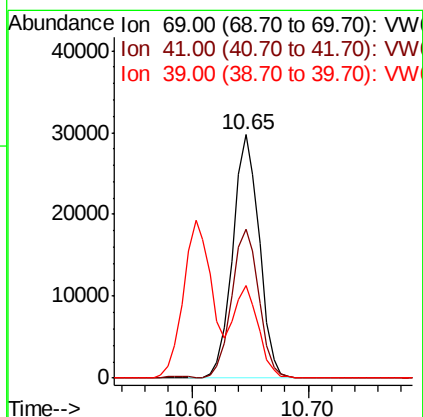
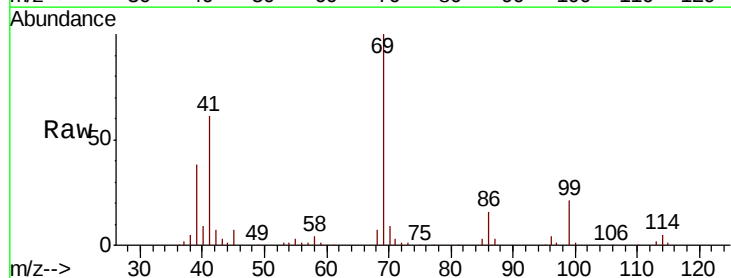
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

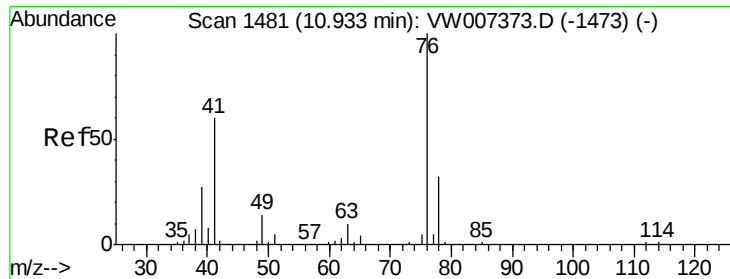
Tot Ion:	97	Resp:	35901
Ion	Ratio	Lower	Upper
97	100		
83	83.0	62.1	93.1
85	56.1	44.2	66.4
99	60.3	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 60.445 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion:	69	Resp:	47288
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.0	76.6
39	35.7	30.8	46.2

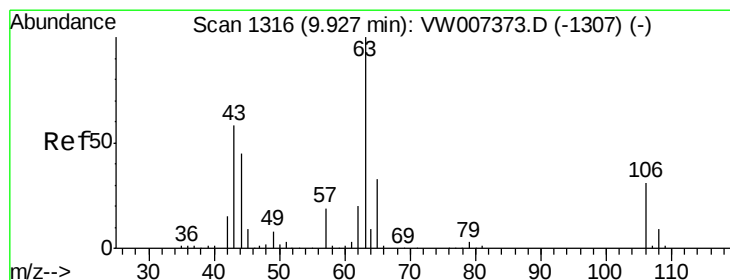
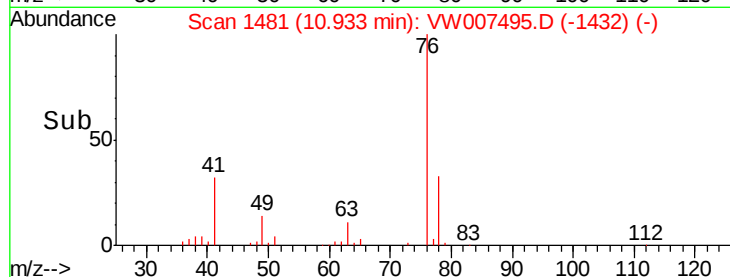
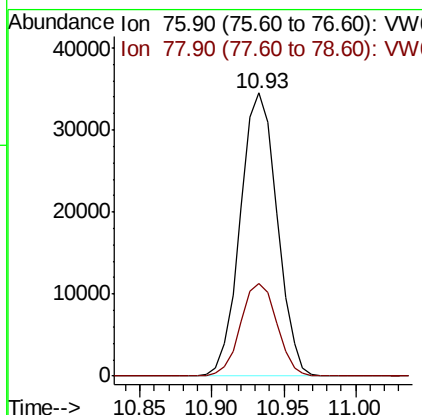
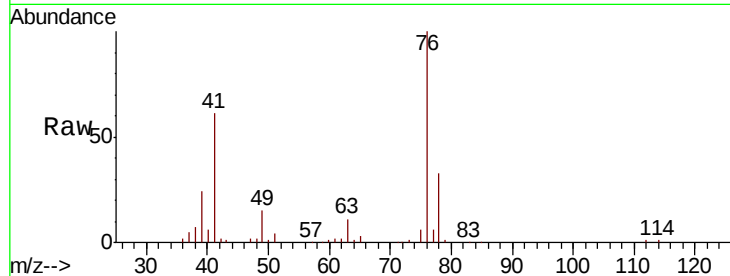




#57
 1,3-Dichloropropane
 Concen: 57.351 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

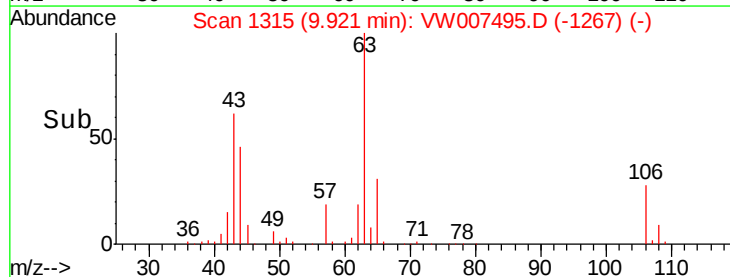
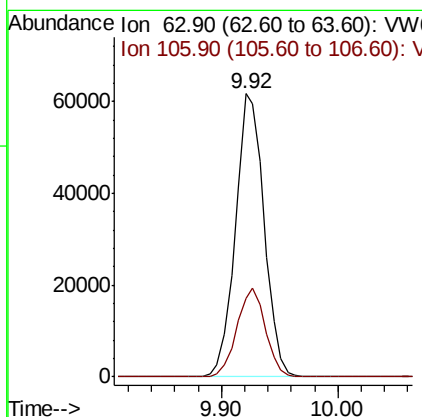
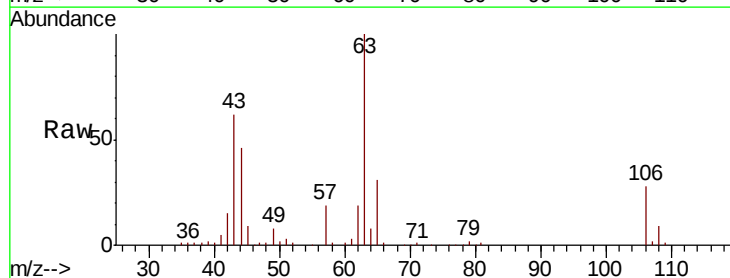
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

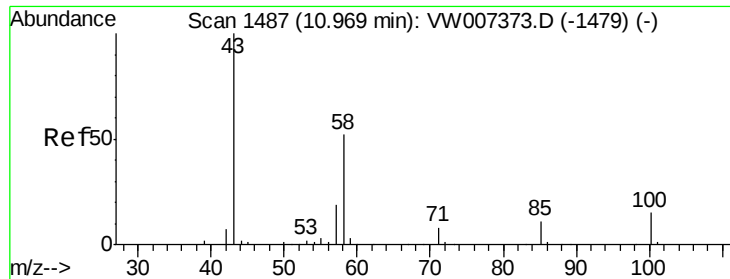
Tot Ion: 76 Resp: 61270
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 292.131 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 63 Resp: 105393
 Ion Ratio Lower Upper
 63 100
 106 31.2 25.0 37.6





#59

2-Hexanone

Concen: 304.806 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

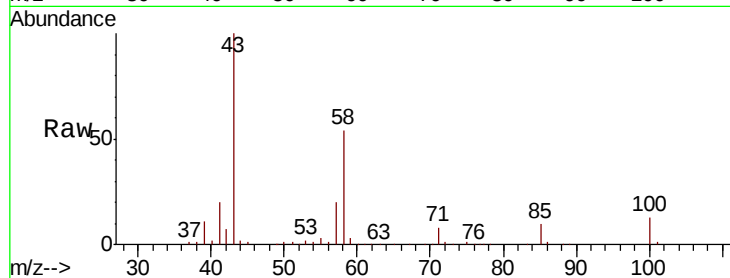
VSTDCCC050EC

Tot Ion: 43 Resp: 92519

Ion Ratio Lower Upper

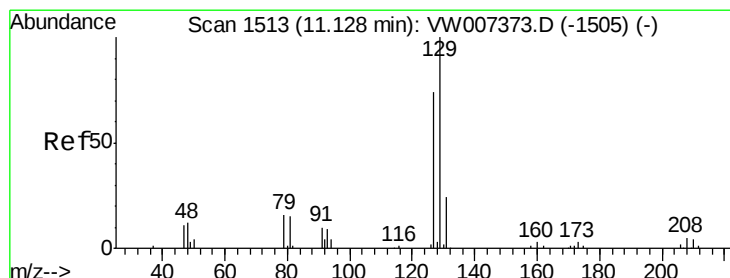
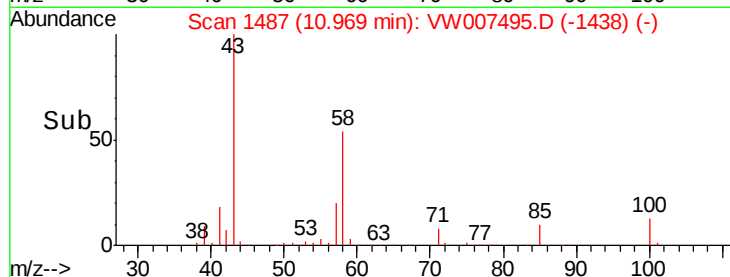
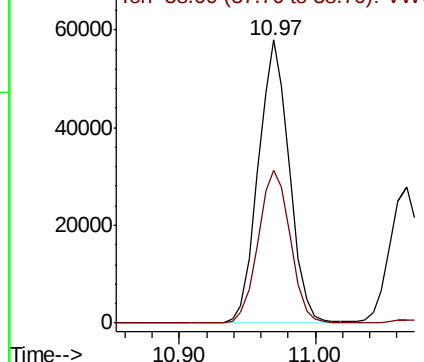
43 100

58 55.6 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 56.657 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007495.D

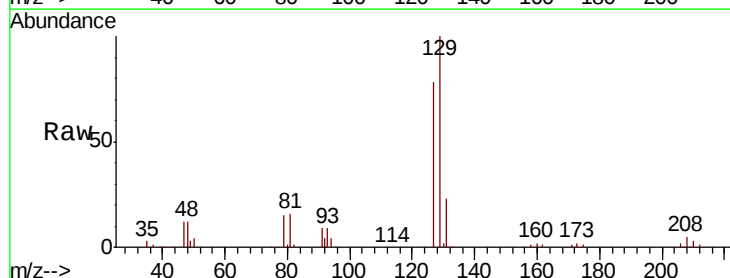
Acq: 13 Dec 2018 18:38

Tgt Ion: 129 Resp: 46539

Ion Ratio Lower Upper

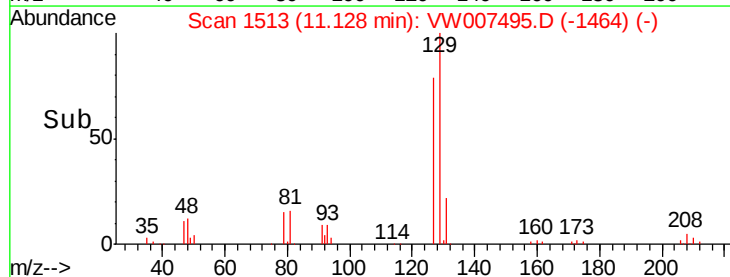
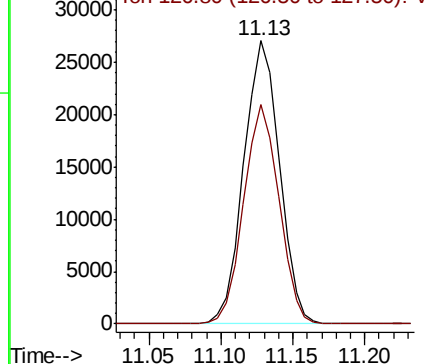
129 100

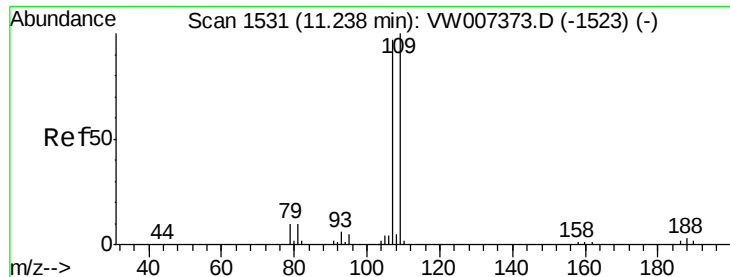
127 76.6 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

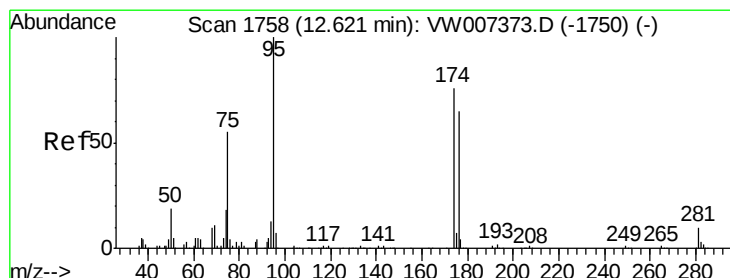
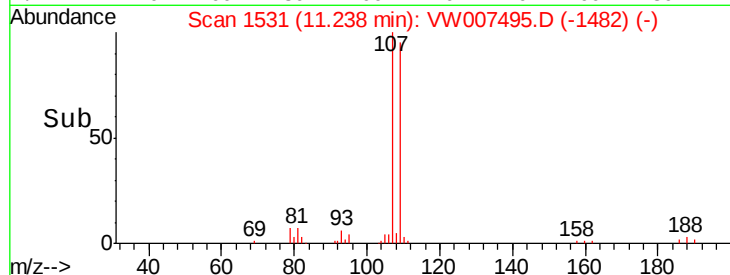
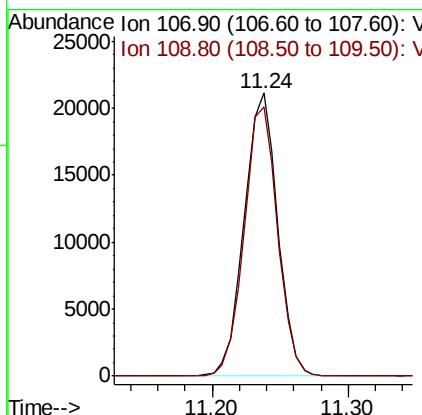
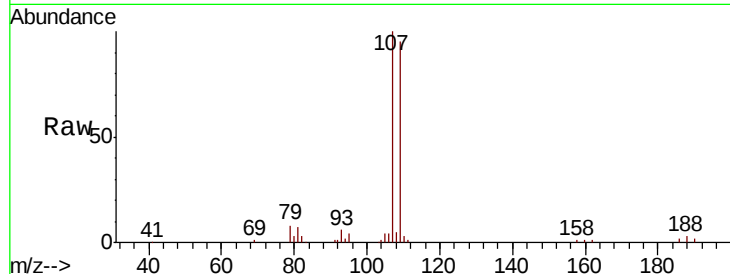




#61
 1,2-Dibromoethane
 Concen: 56.506 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

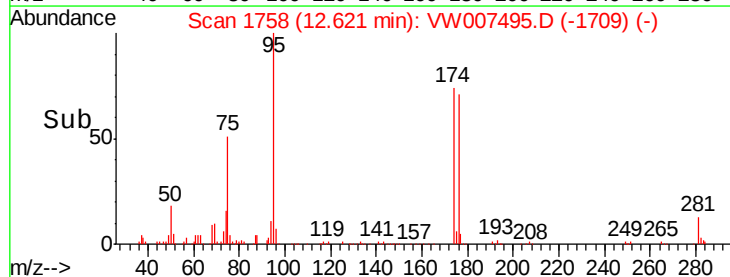
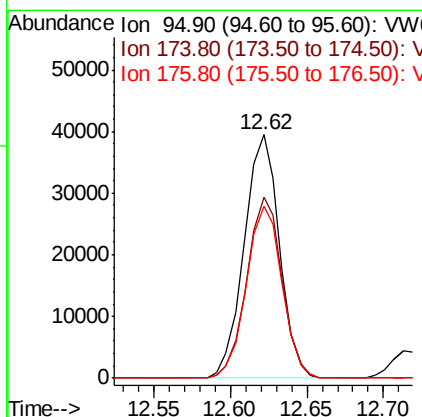
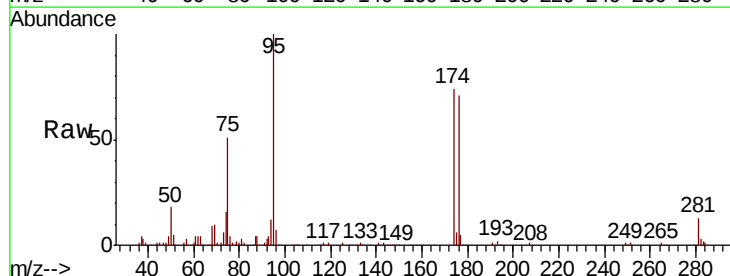
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

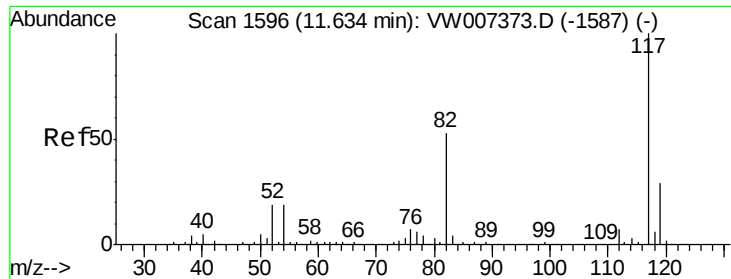
Tot Ion:107 Resp: 36346
 Ion Ratio Lower Upper
 107 100
 109 95.3 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 52.718 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 95 Resp: 63240
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 147.2
 176 71.3 0.0 138.8

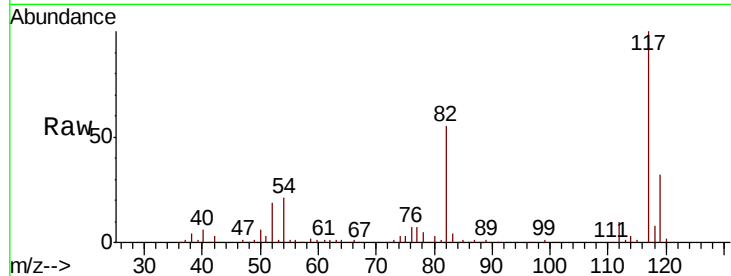




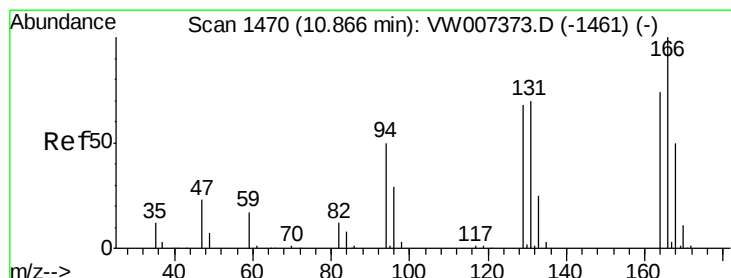
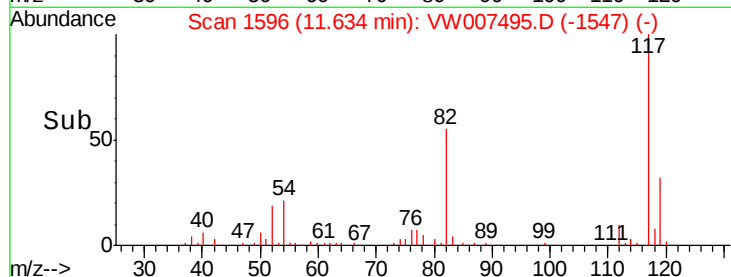
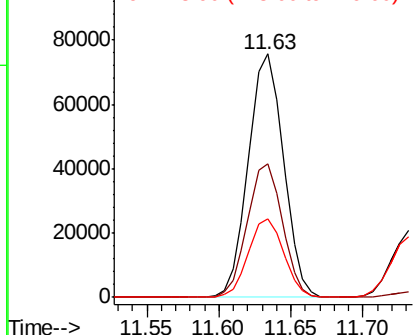
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 128290
Ion Ratio Lower Upper
117 100
82 54.8 42.3 63.5
119 32.5 23.0 34.6

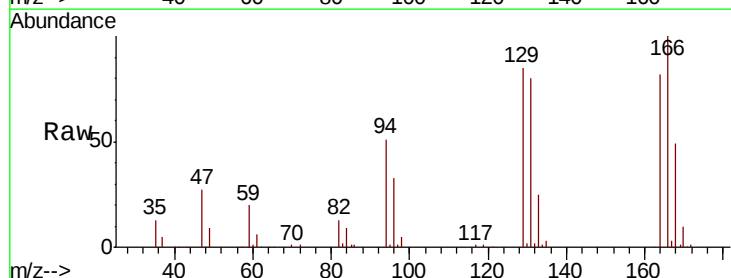


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

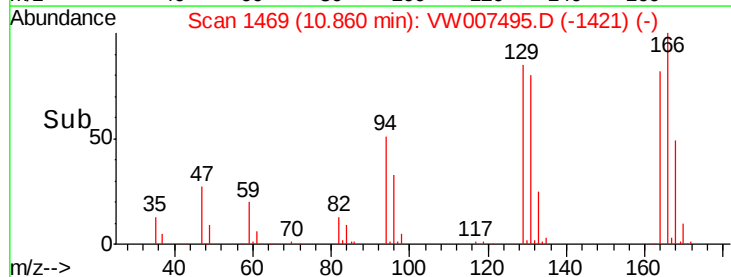
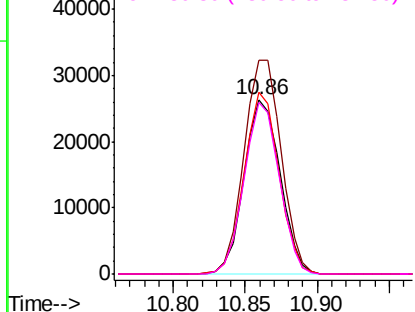


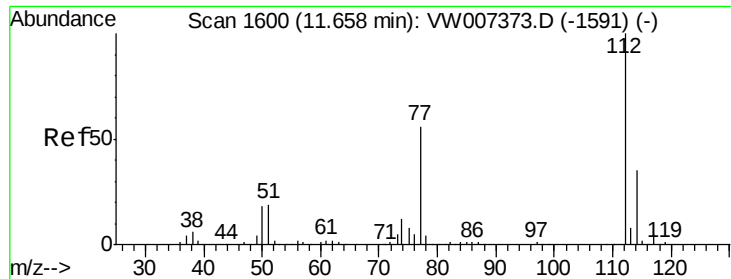
#64
Tetrachloroethene
Concen: 49.338 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion:164 Resp: 45518
Ion Ratio Lower Upper
164 100
166 122.7 107.9 161.9
129 104.7 73.4 110.2
131 98.6 75.8 113.6



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

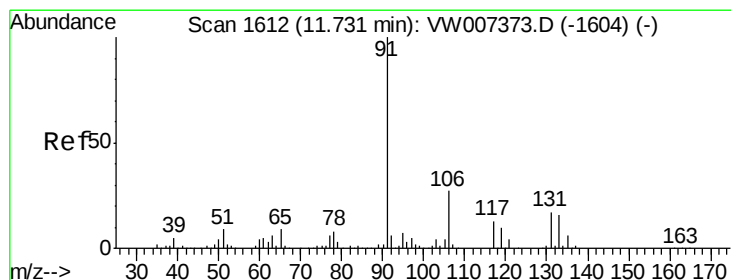
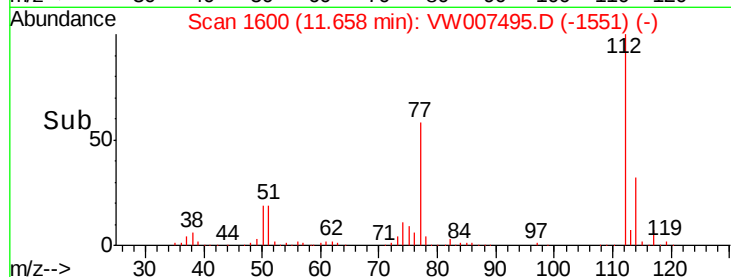
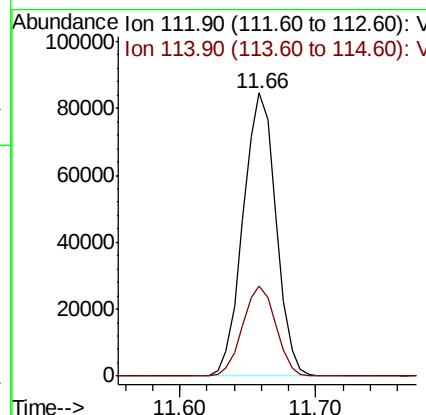
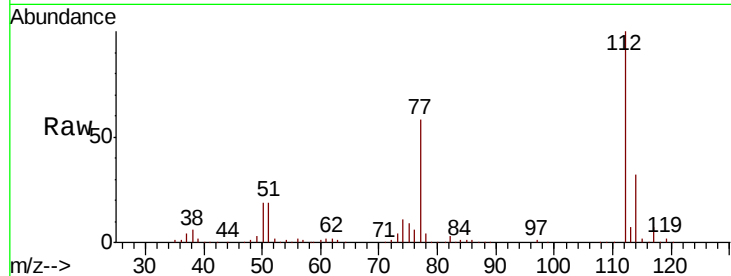




#65
Chlorobenzene
Concen: 53.485 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

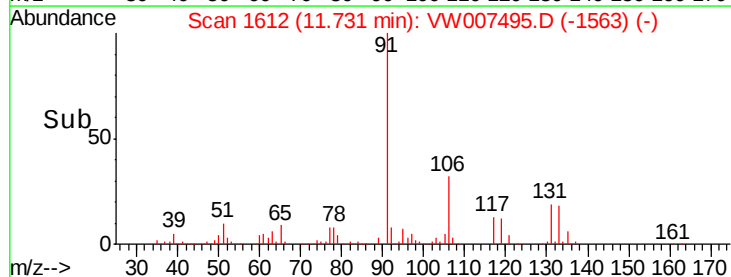
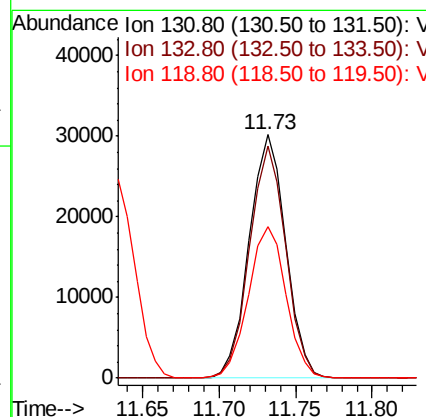
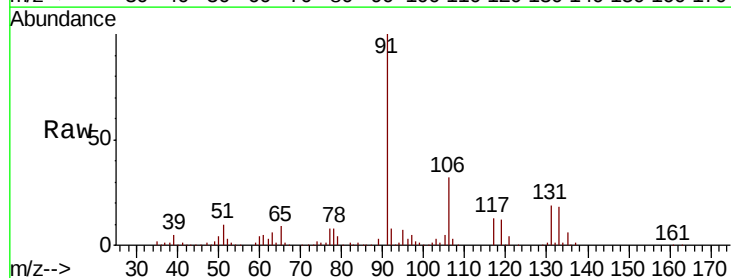
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

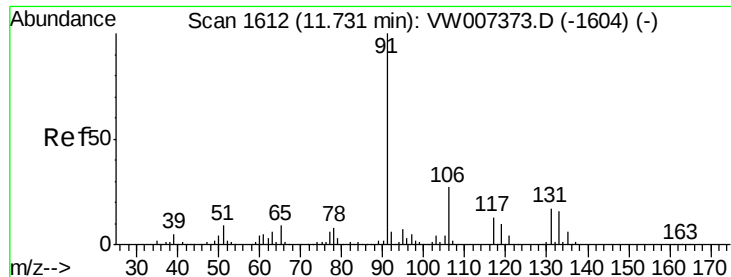
Tot Ion:112 Resp: 143018
Ion Ratio Lower Upper
112 100
114 31.7 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.469 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion:131 Resp: 50355
Ion Ratio Lower Upper
131 100
133 94.4 47.1 141.4
119 64.1 31.3 93.9

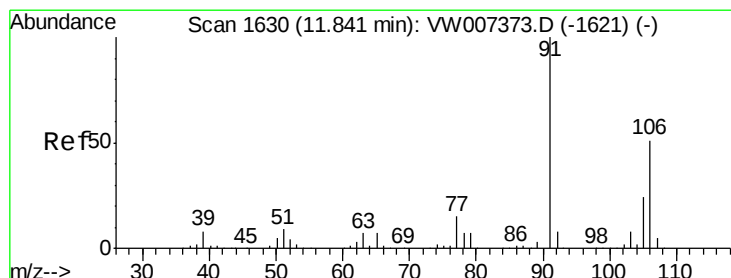
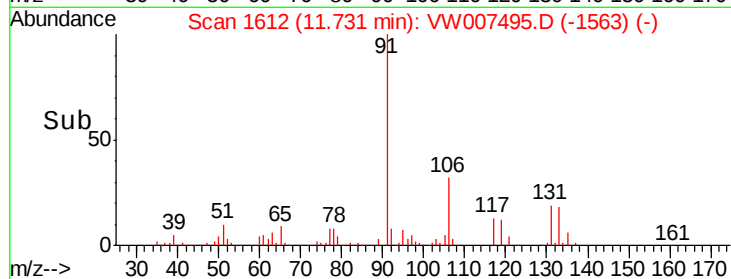
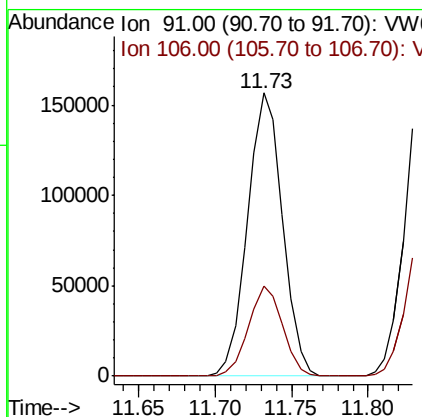
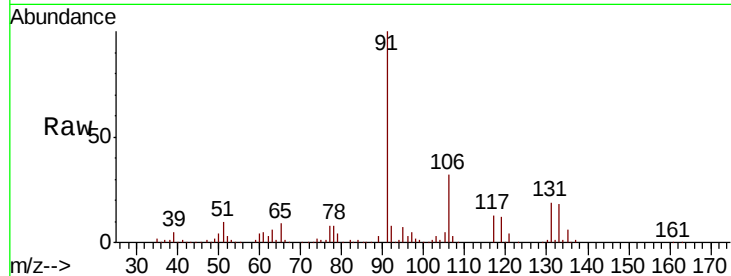




#67
Ethyl Benzene
Concen: 54.269 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

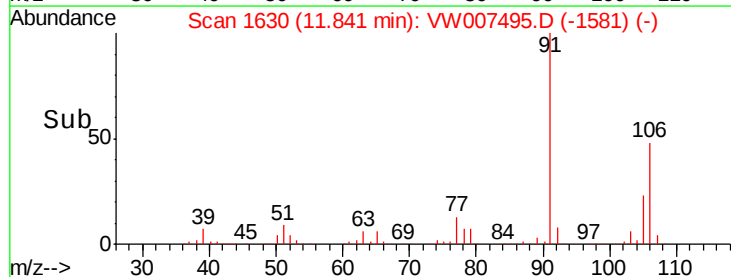
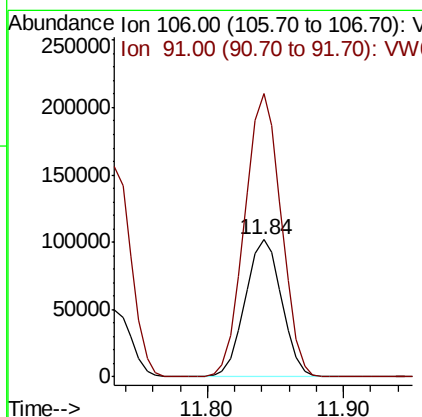
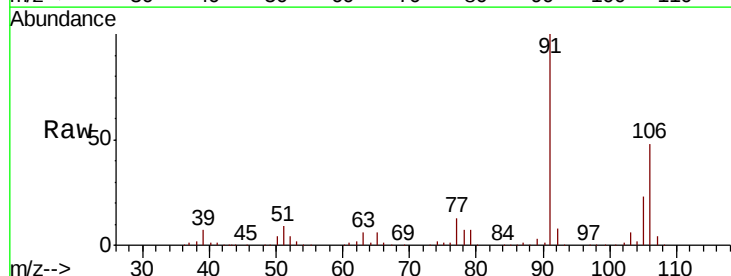
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

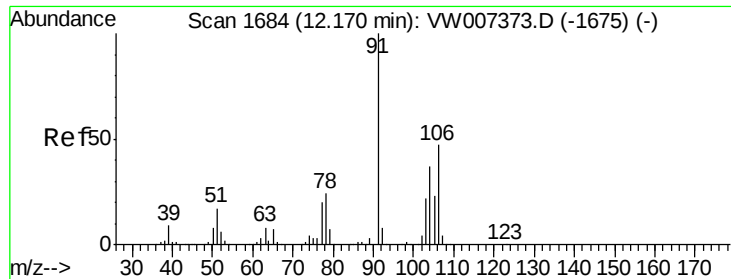
Tot Ion: 91 Resp: 249491
Ion Ratio Lower Upper
91 100
106 32.0 21.8 32.8



#68
m/p-Xylenes
Concen: 107.282 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion: 106 Resp: 191737
Ion Ratio Lower Upper
106 100
91 206.4 165.3 247.9

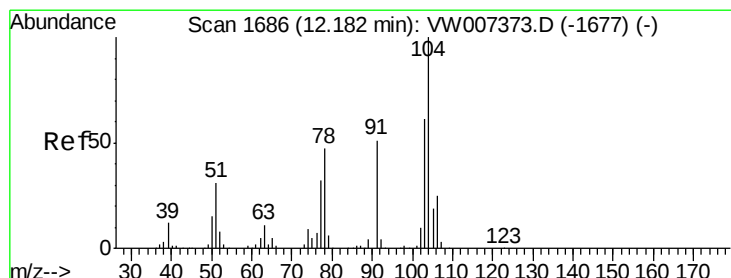
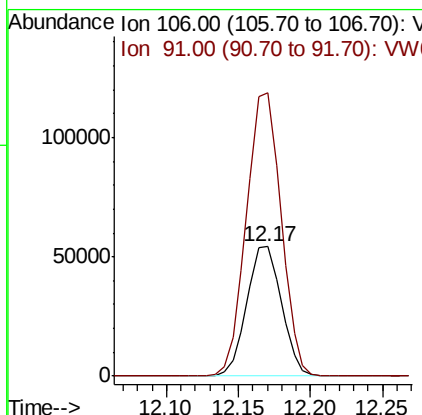
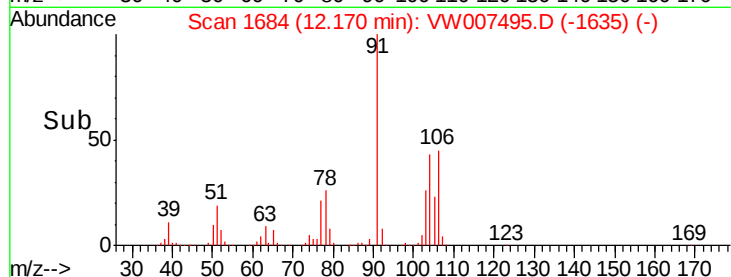
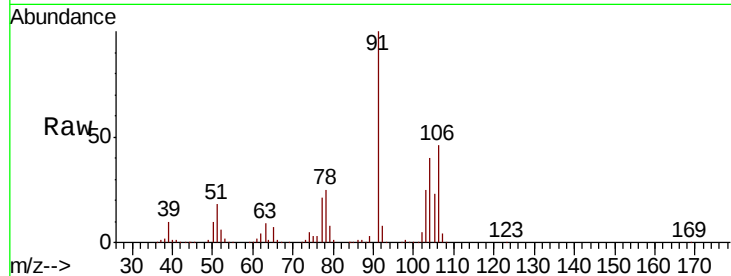




#69
o-Xylene
Concen: 54.335 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

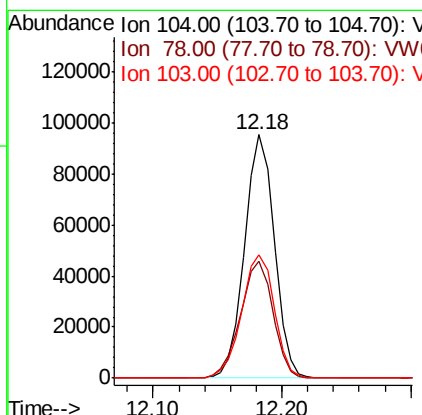
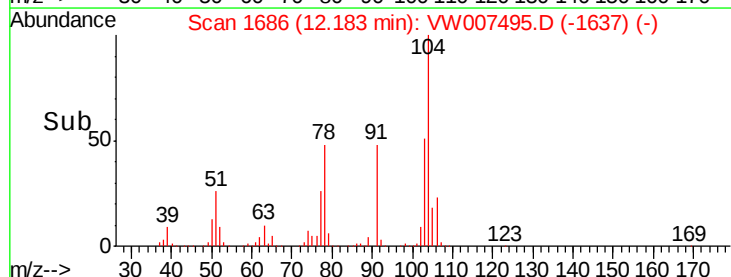
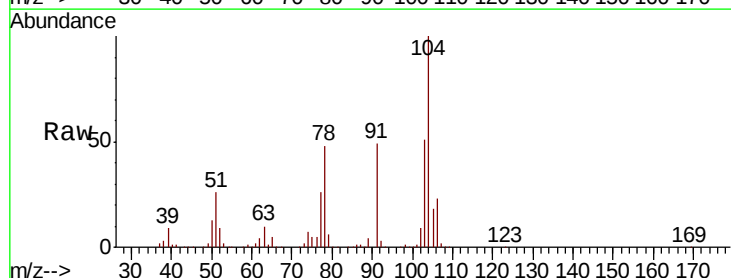
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

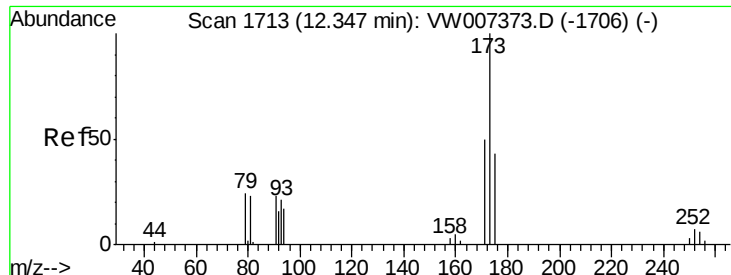
Tot Ion:106 Resp: 90694
Ion Ratio Lower Upper
106 100
91 218.9 106.6 319.8



#70
Styrene
Concen: 56.362 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion:104 Resp: 151953
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.8
103 55.7 46.6 69.8





#71

Bromoform

Concen: 53.884 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

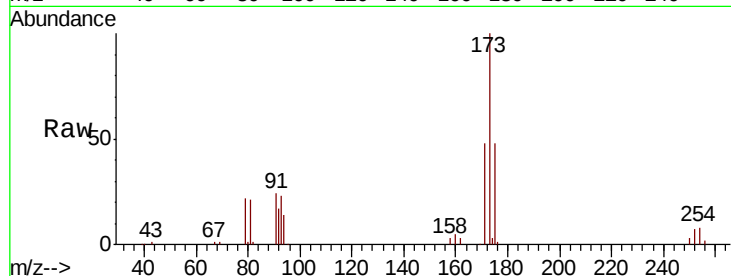
Tot Ion:173 Resp: 25974

Ion Ratio Lower Upper

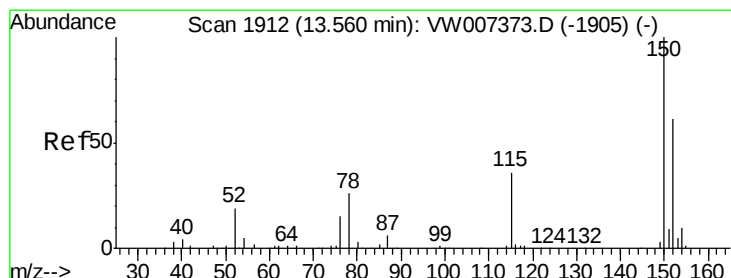
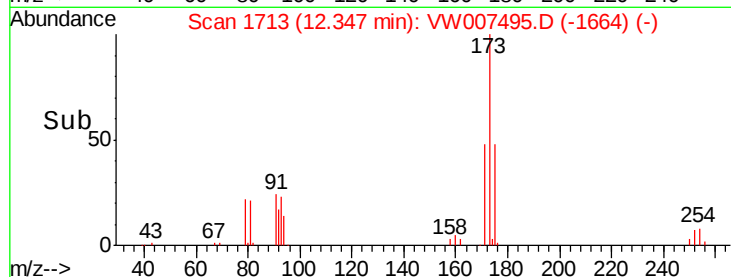
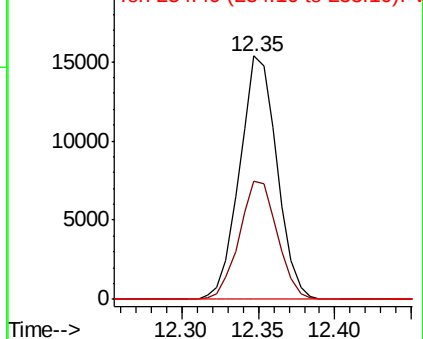
173 100

175 49.5 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: VW007495.D

Acq: 13 Dec 2018 18:38

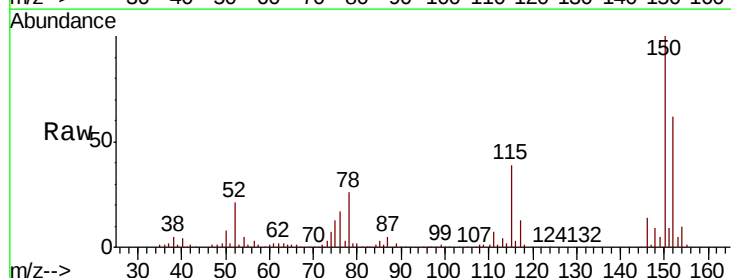
Tgt Ion:152 Resp: 63228

Ion Ratio Lower Upper

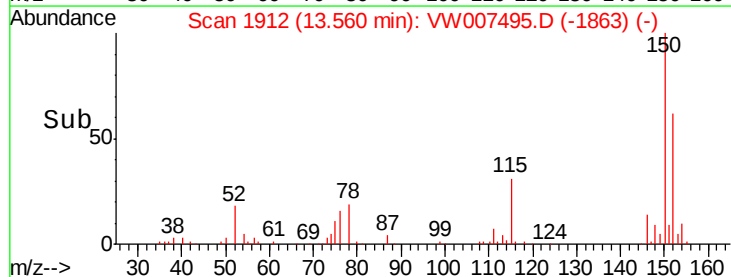
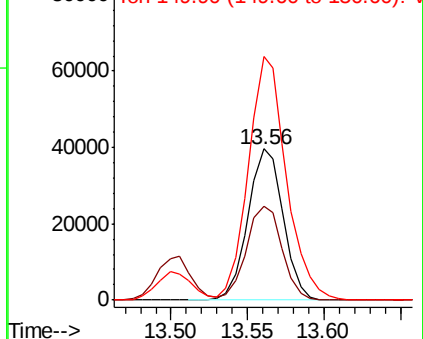
152 100

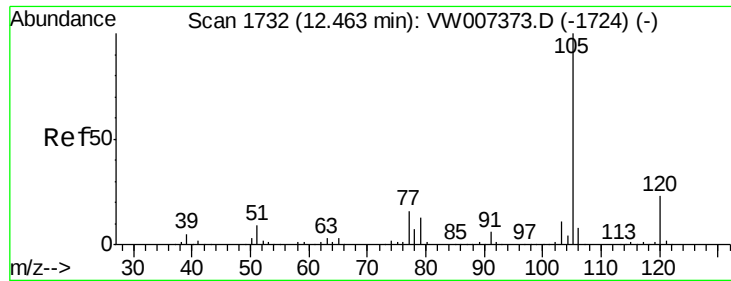
115 63.3 31.4 94.2

150 173.4 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: 52.431 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

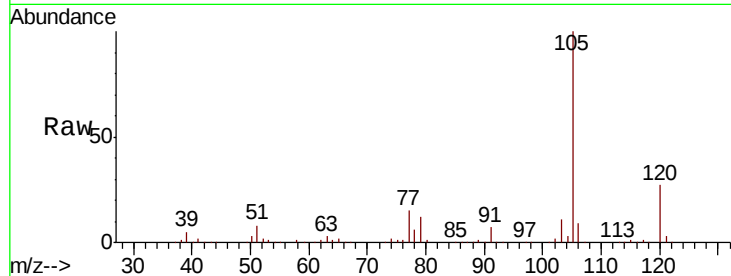
VSTDCCC050EC

Tot Ion:105 Resp: 254016

Ion Ratio Lower Upper

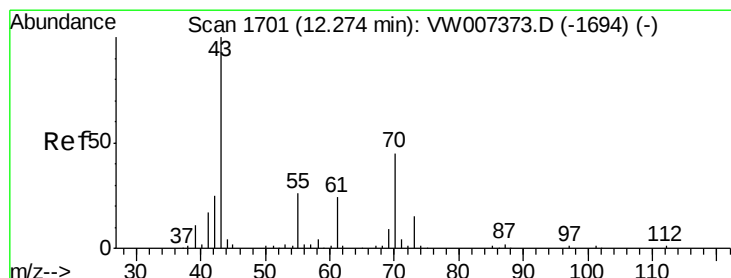
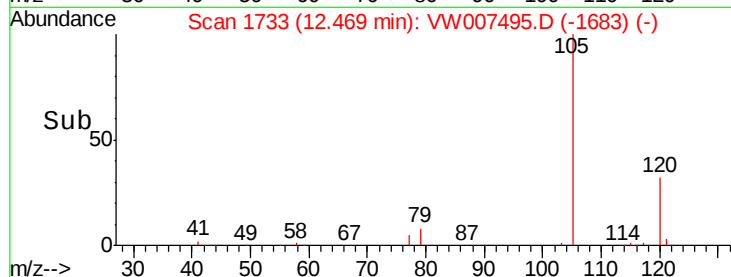
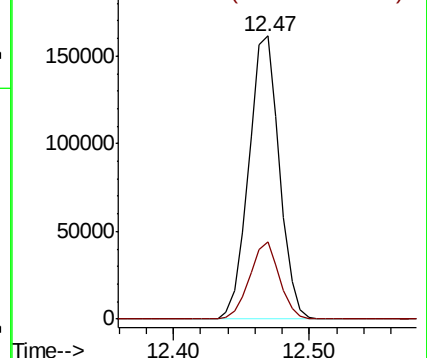
105 100

120 26.4 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.926 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Tgt Ion: 43 Resp: 50123

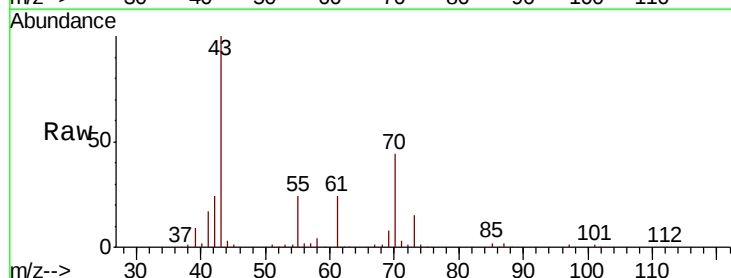
Ion Ratio Lower Upper

43 100

70 44.6 36.5 54.7

55 24.3 20.1 30.1

61 24.7 19.3 28.9

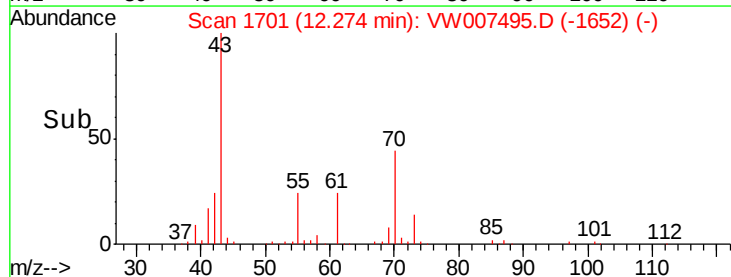
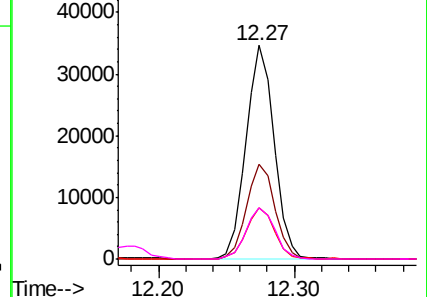


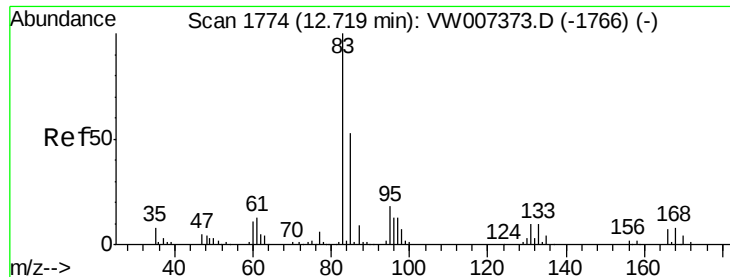
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

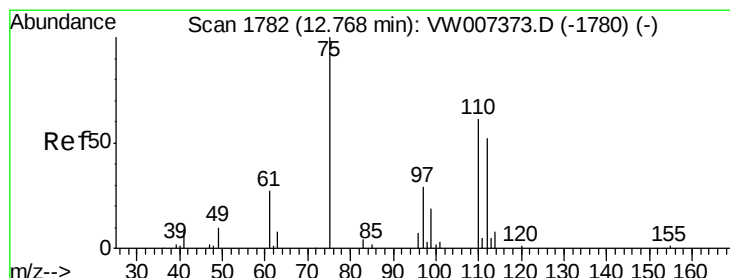
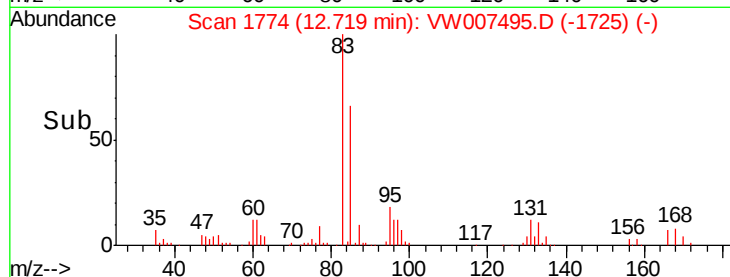
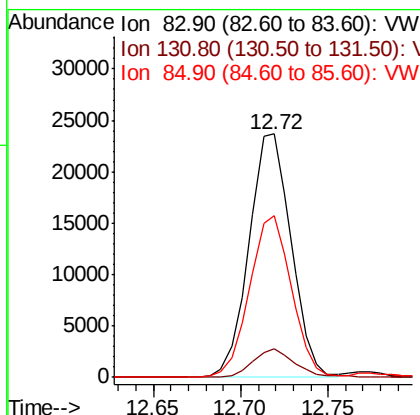
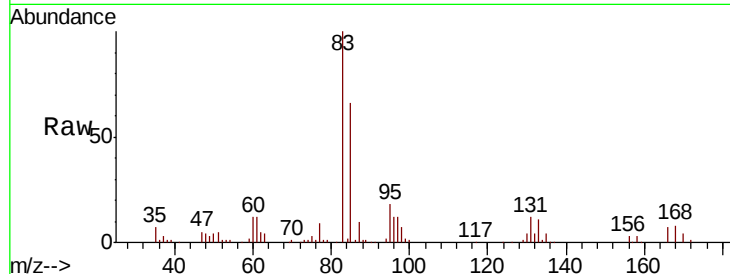




#75
 1,1,2,2-Tetrachloroethane
 Concen: 55.251 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

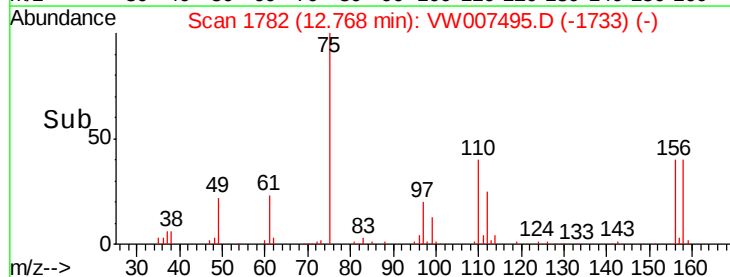
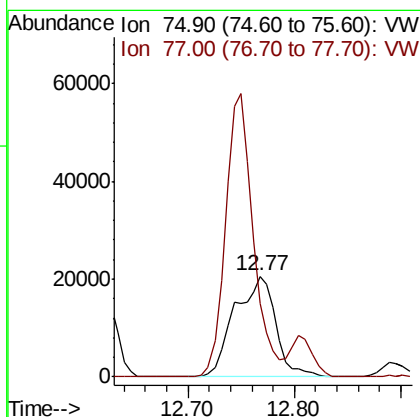
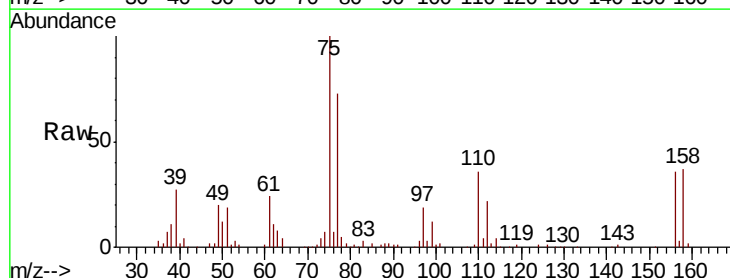
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

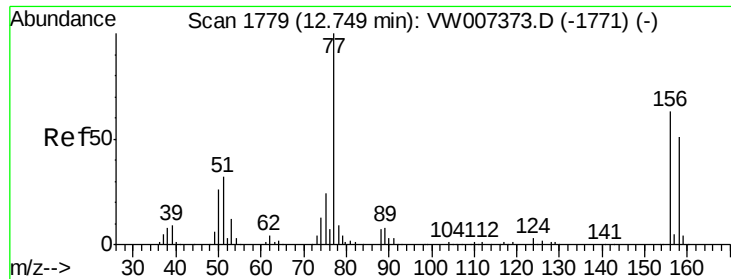
Tot Ion: 83 Resp: 39646
 Ion Ratio Lower Upper
 83 100
 131 11.7 5.9 17.8
 85 66.2 30.0 90.0



#76
 1,2,3-Trichloropropane
 Concen: 106.627 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 75 Resp: 55588
 Ion Ratio Lower Upper
 75 100
 77 188.9 166.9 500.8





#77

Bromobenzene

Concen: 53.379 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

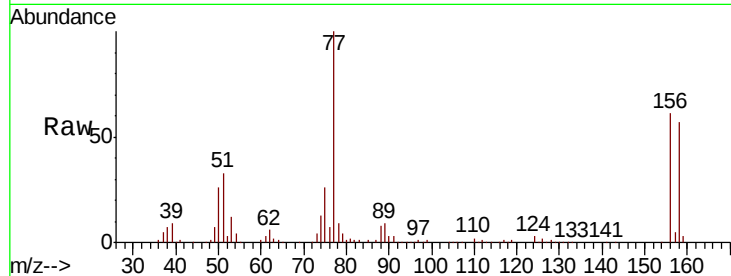
Tot Ion:156 Resp: 57323

Ion Ratio Lower Upper

156 100

77 183.2 88.1 264.4

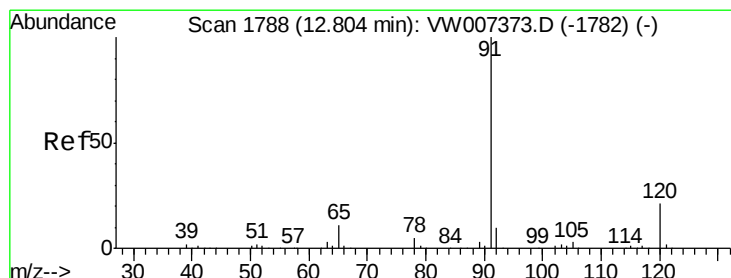
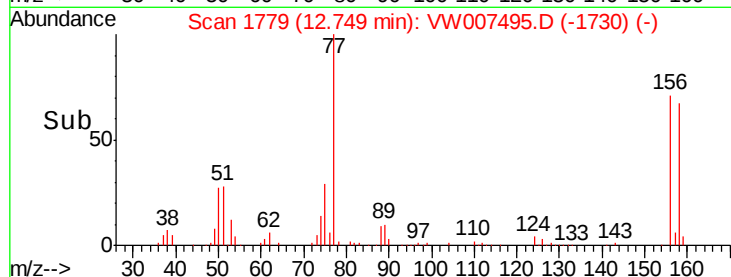
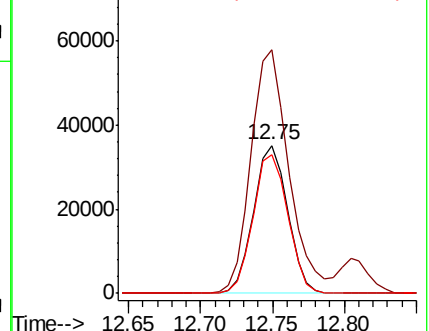
158 96.4 45.6 136.7



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: 53.957 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW007495.D

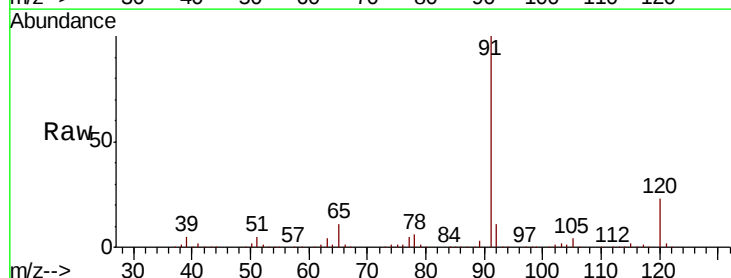
Acq: 13 Dec 2018 18:38

Tgt Ion: 91 Resp: 294193

Ion Ratio Lower Upper

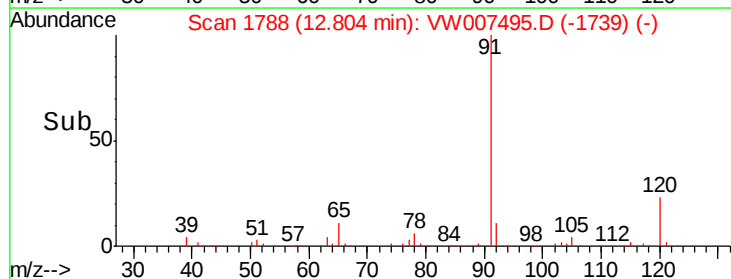
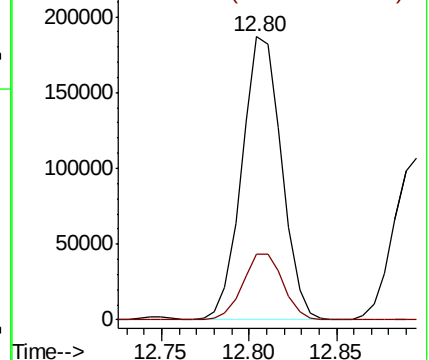
91 100

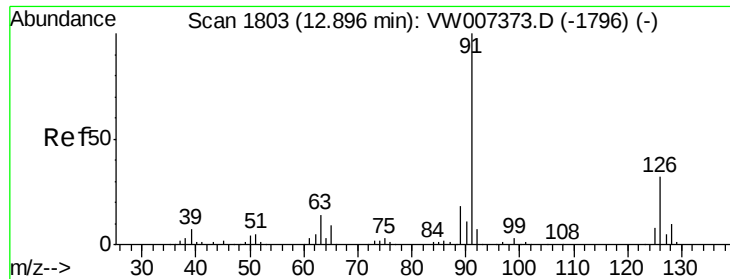
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

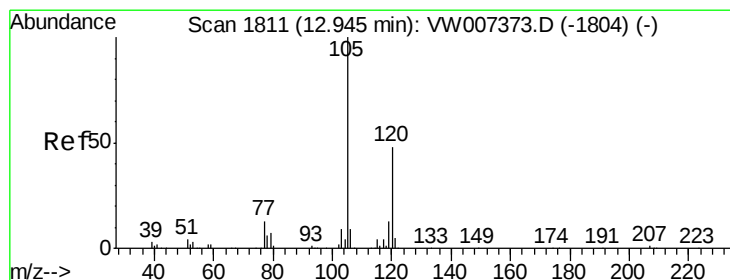
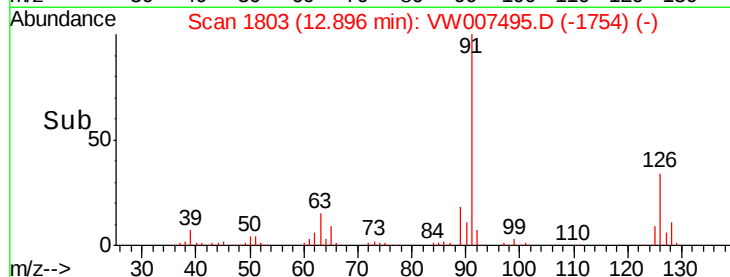
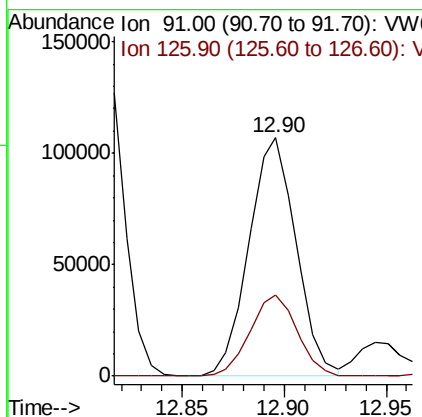
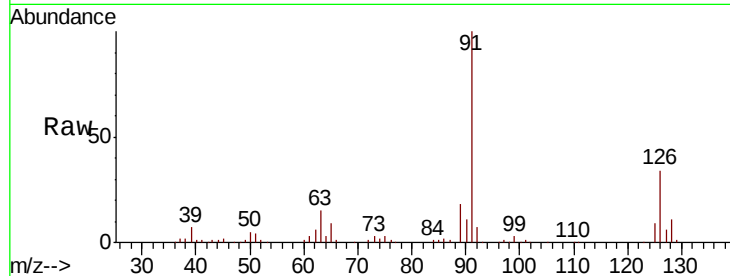




#79
 2-Chlorotoluene
 Concen: 52.177 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

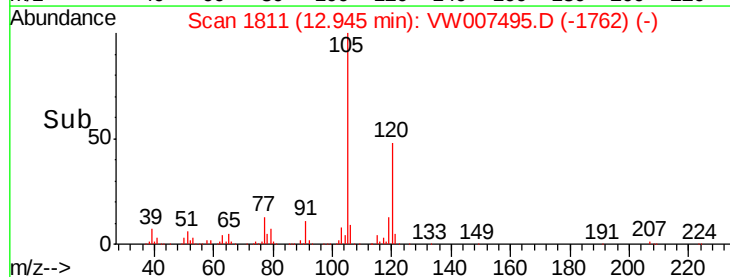
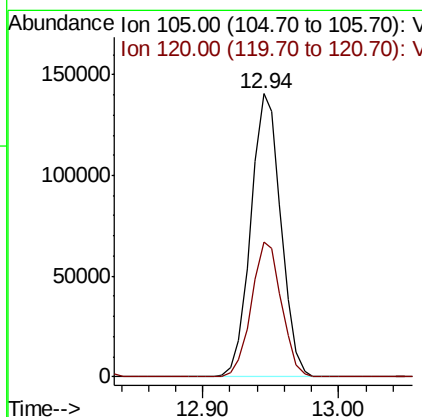
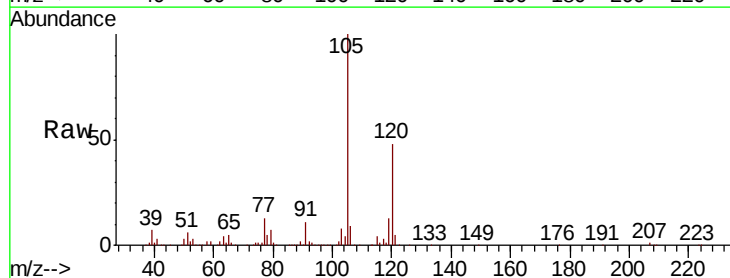
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

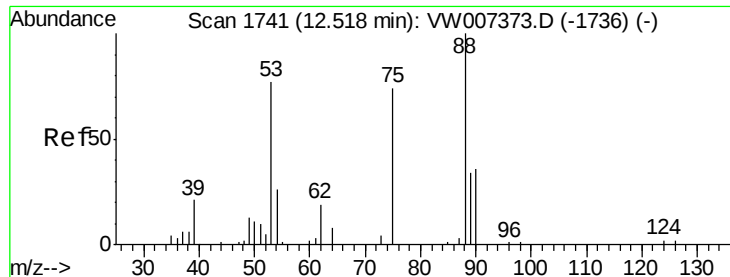
Tot Ion: 91 Resp: 172137
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 53.627 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion: 105 Resp: 218307
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 56.576 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

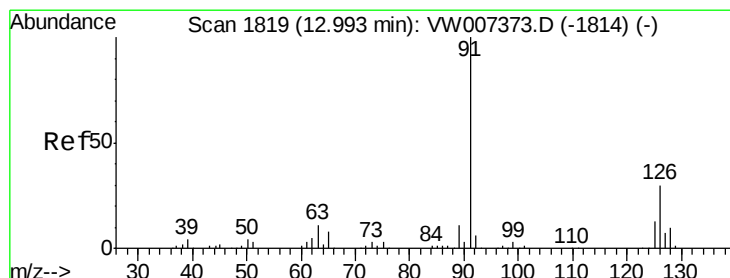
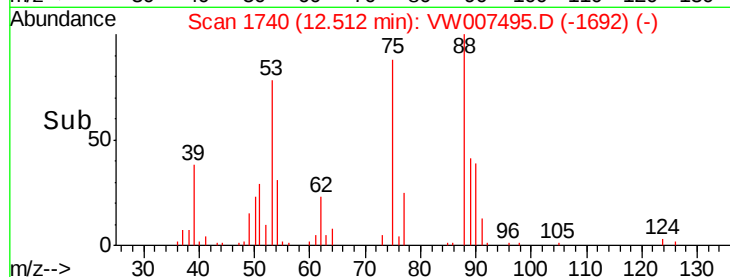
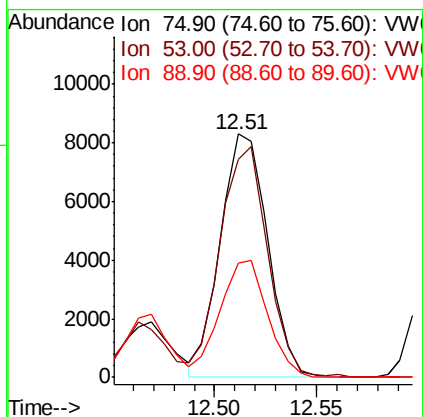
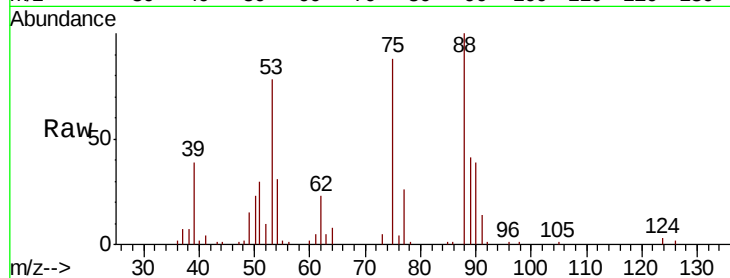
Tot Ion: 75 Resp: 13352

Ion Ratio Lower Upper

75 100

53 95.2 84.9 127.3

89 48.4 40.3 60.5



#82

4-Chlorotoluene

Concen: 52.574 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW007495.D

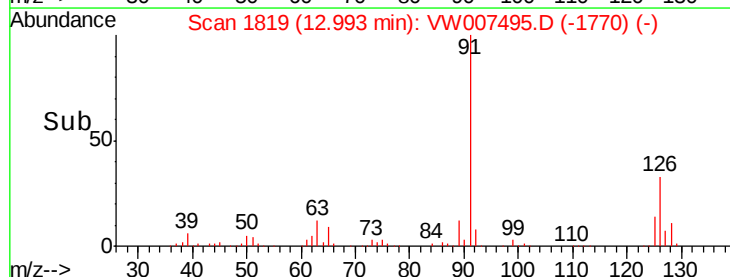
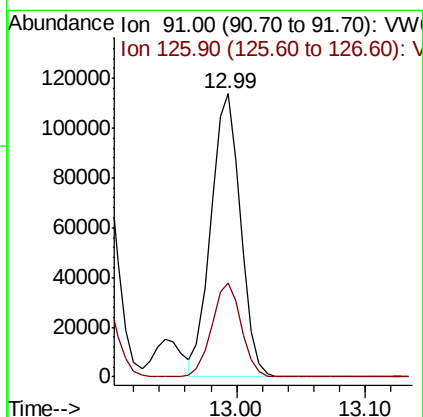
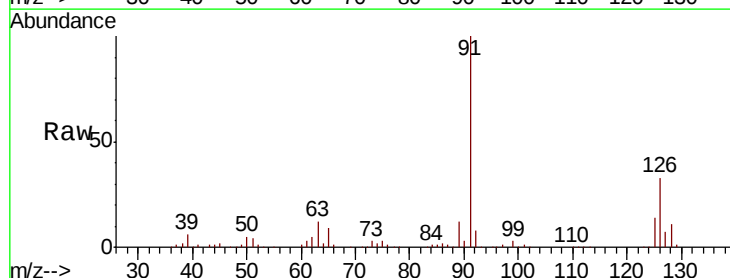
Acq: 13 Dec 2018 18:38

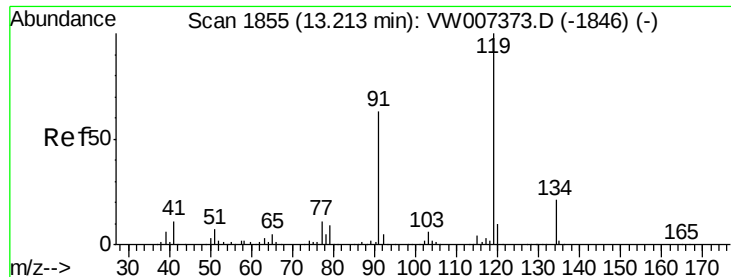
Tgt Ion: 91 Resp: 182831

Ion Ratio Lower Upper

91 100

126 33.1 16.0 48.0





#83

tert-Butylbenzene

Concen: 53.875 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

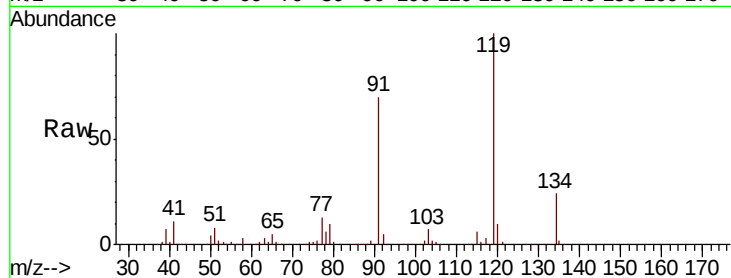
Tot Ion:119 Resp: 193245

Ion Ratio Lower Upper

119 100

91 66.5 33.1 99.2

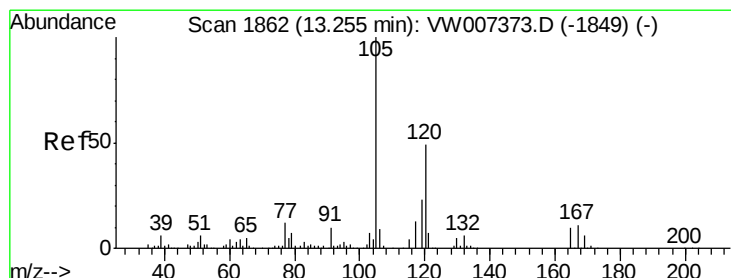
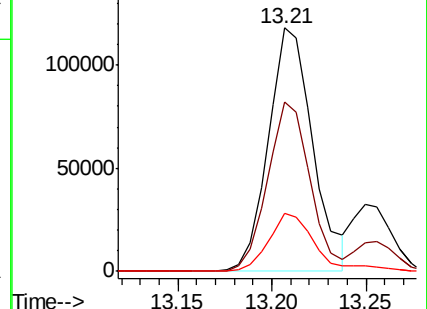
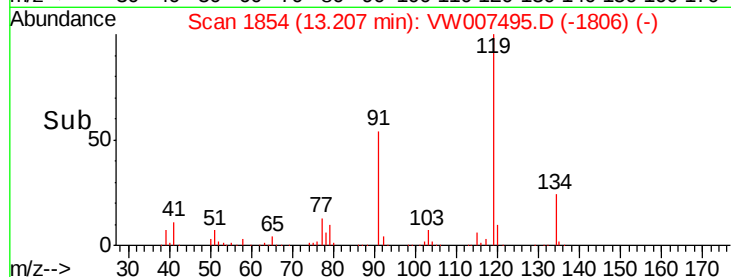
134 25.1 12.5 37.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.702 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007495.D

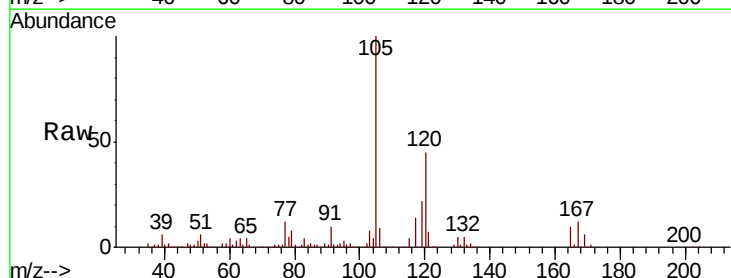
Acq: 13 Dec 2018 18:38

Tgt Ion:105 Resp: 220774

Ion Ratio Lower Upper

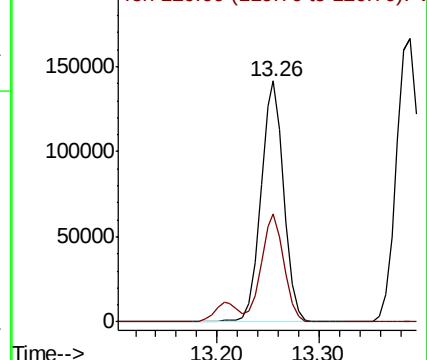
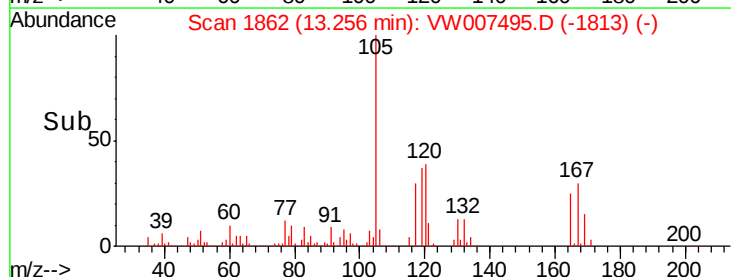
105 100

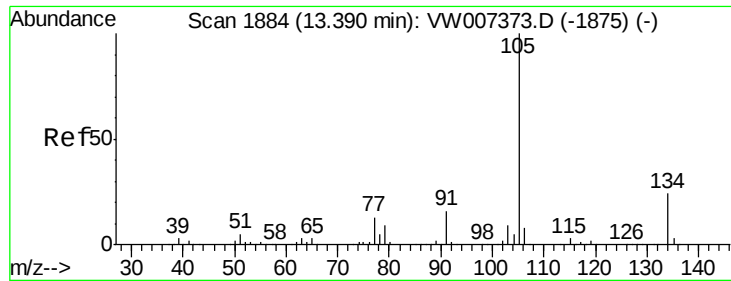
120 44.3 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.413 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

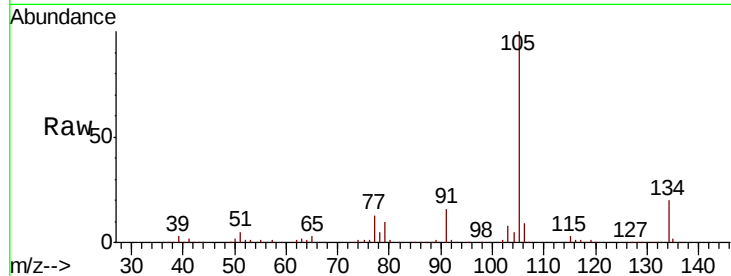
VSTDCCC050EC

Tot Ion:105 Resp: 261544

Ion Ratio Lower Upper

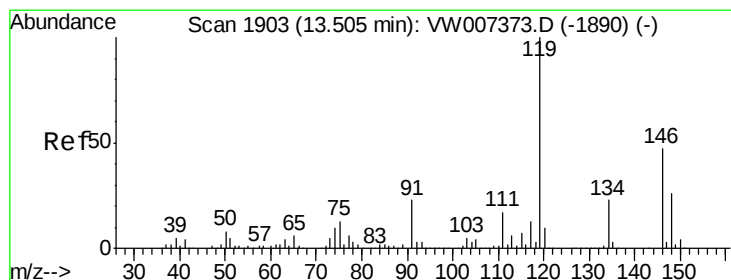
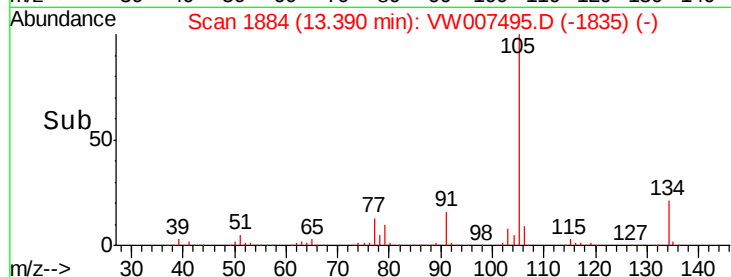
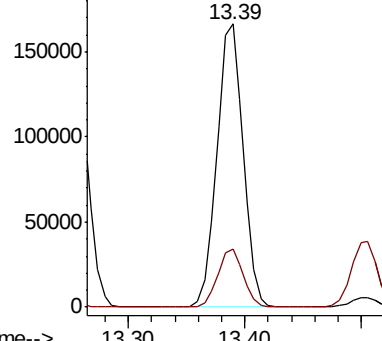
105 100

134 20.0 11.1 33.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.827 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

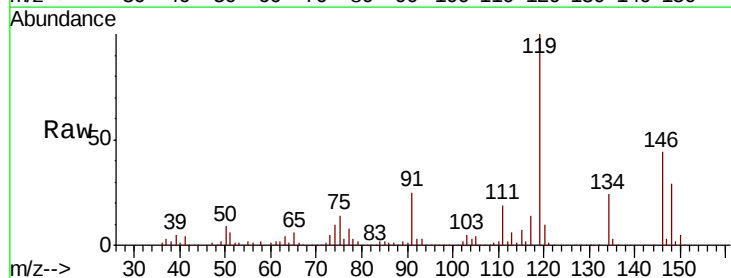
Tgt Ion:119 Resp: 236785

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

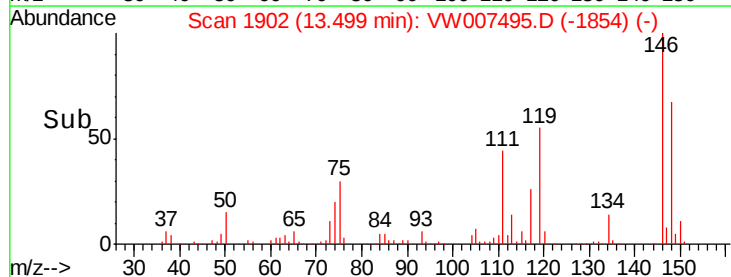
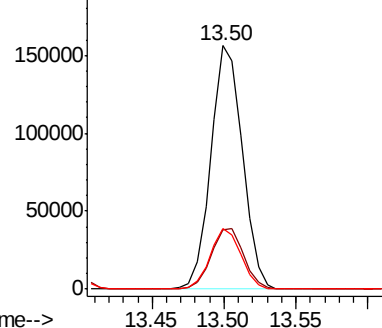
91 24.3 11.9 35.9

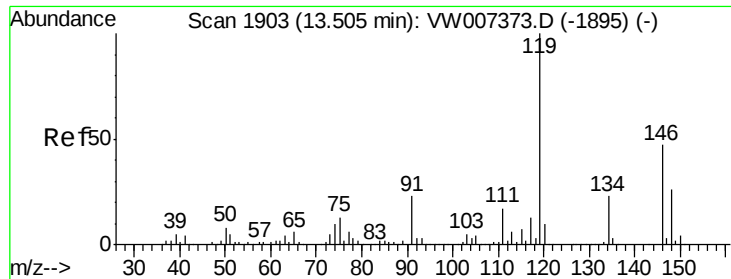


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

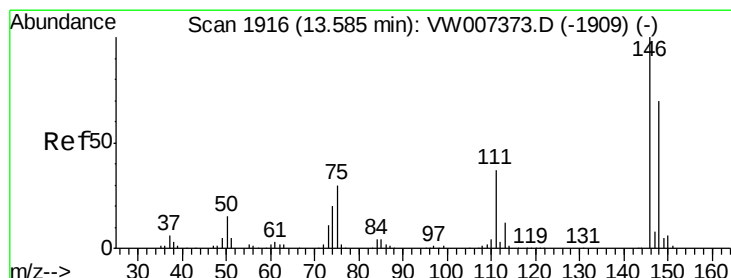
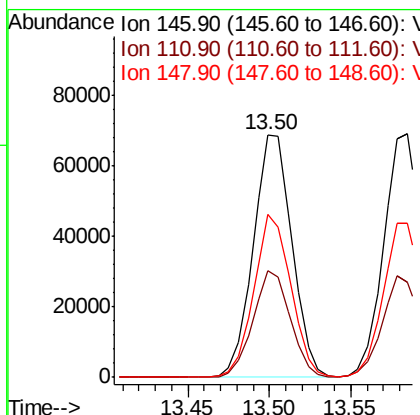
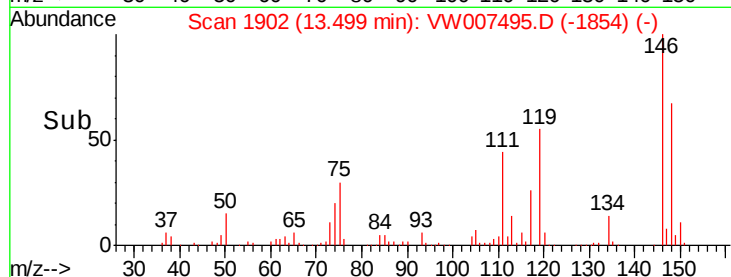
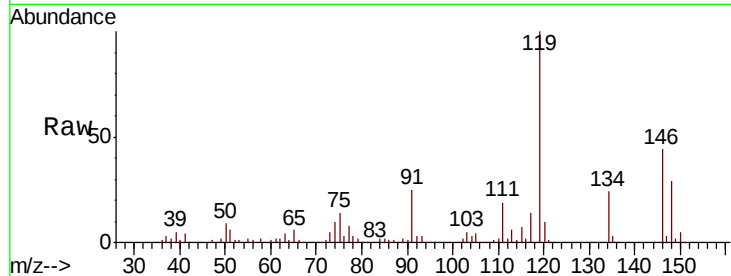




#87
 1,3-Dichlorobenzene
 Concen: 52.839 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

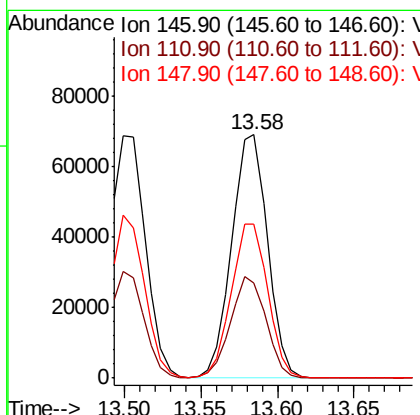
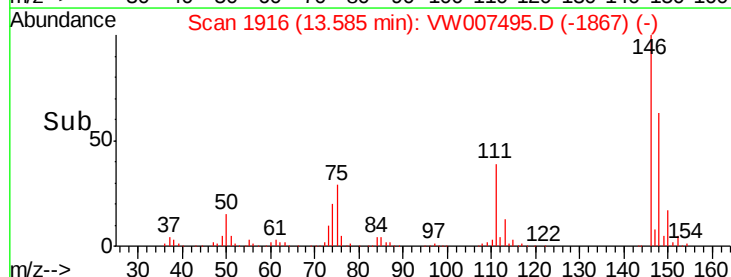
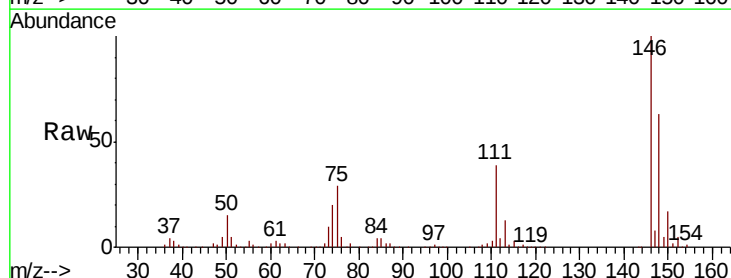
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

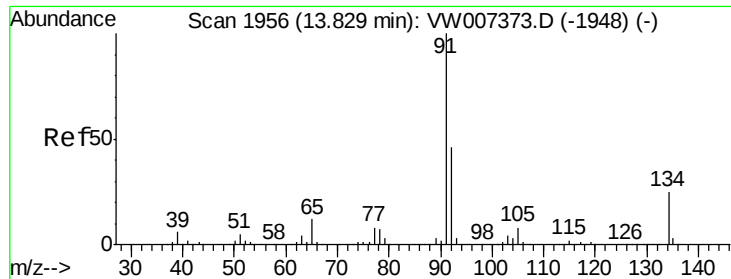
Tot Ion:146 Resp: 113136
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.1 60.3
 148 64.3 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 52.148 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion:146 Resp: 112252
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.3 61.0
 148 64.3 33.5 100.5





#89

n-Butylbenzene

Concen: 53.302 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

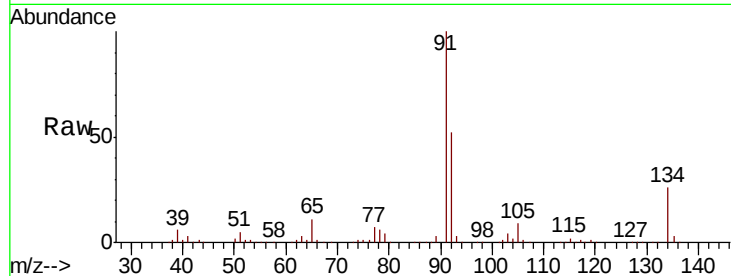
Tot Ion: 91 Resp: 217370

Ion Ratio Lower Upper

91 100

92 52.7 25.7 77.1

134 27.1 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW

13.83

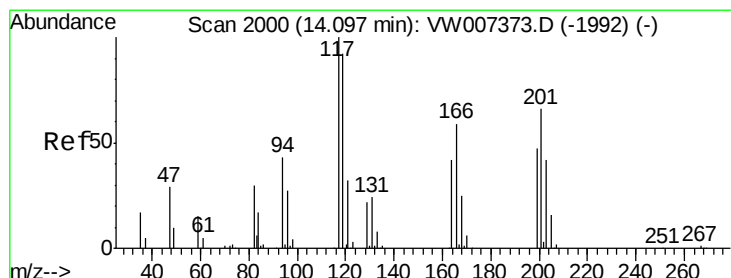
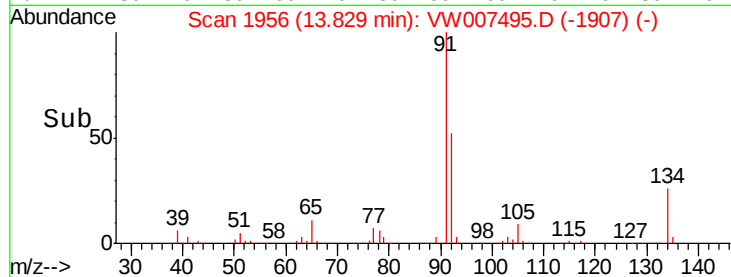
150000

100000

50000

0

Time-->



#90

Hexachloroethane

Concen: 52.594 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007495.D

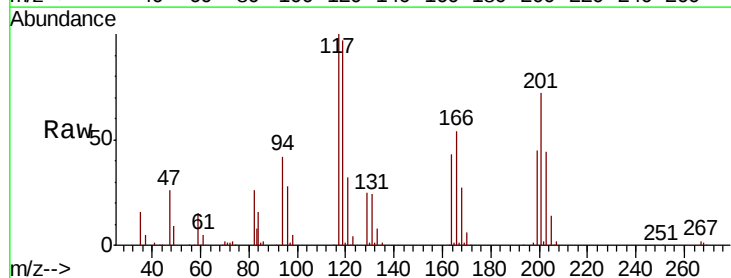
Acq: 13 Dec 2018 18:38

Tgt Ion: 117 Resp: 41166

Ion Ratio Lower Upper

117 100

201 70.2 35.3 105.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.10

25000

20000

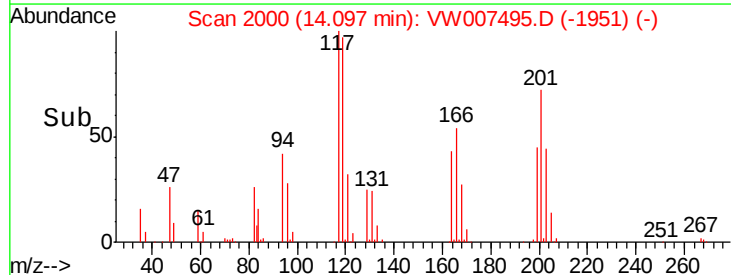
15000

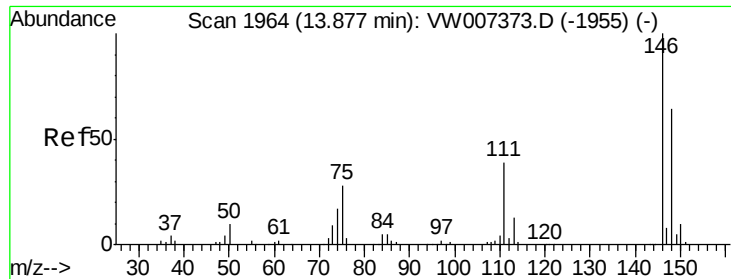
10000

5000

0

Time-->





#91

1,2-Dichlorobenzene

Concen: 53.187 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

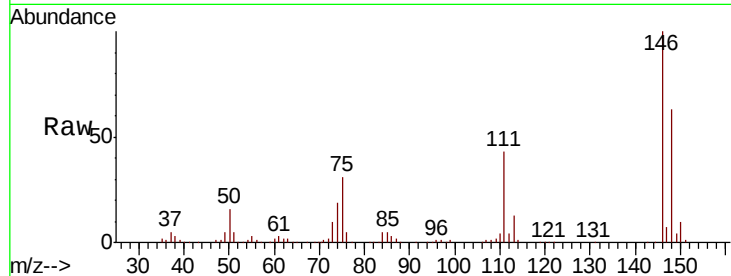
Tot Ion:146 Resp: 101999

Ion Ratio Lower Upper

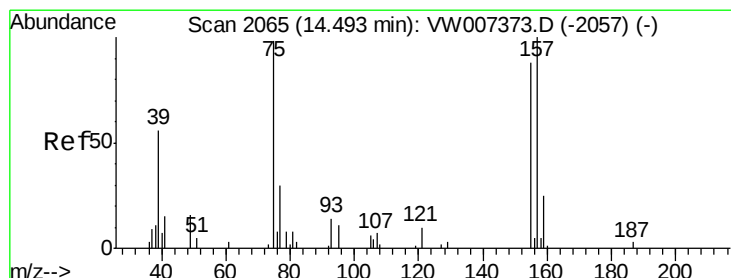
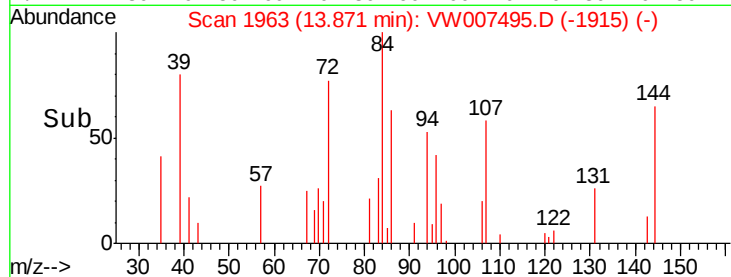
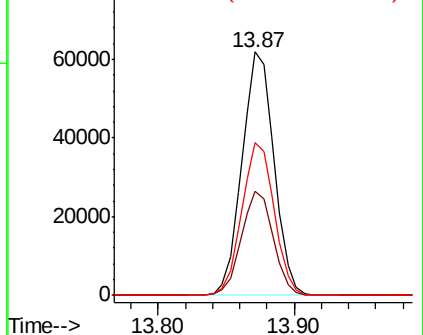
146 100

111 42.5 22.4 67.2

148 63.2 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: 52.902 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007495.D

Acq: 13 Dec 2018 18:38

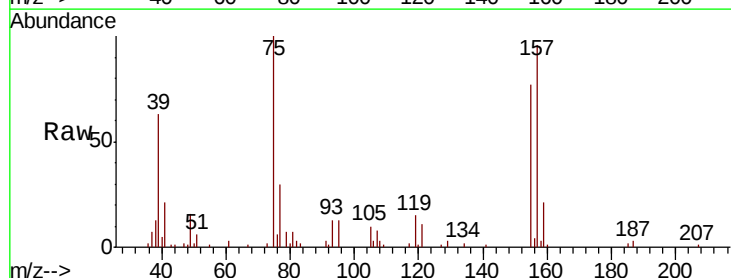
Tgt Ion: 75 Resp: 7618

Ion Ratio Lower Upper

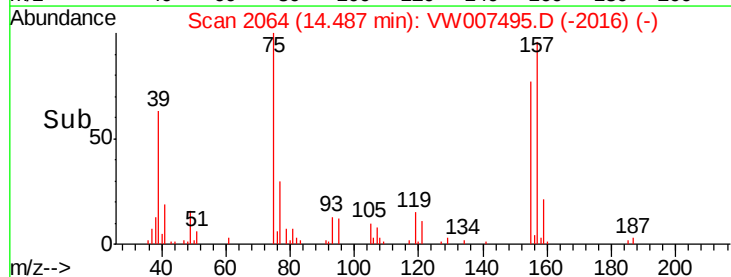
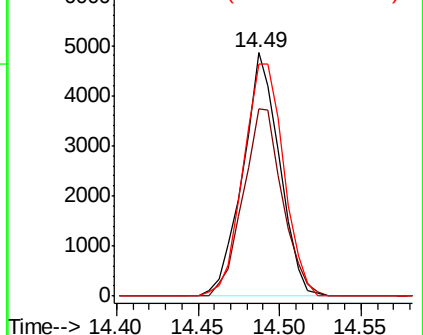
75 100

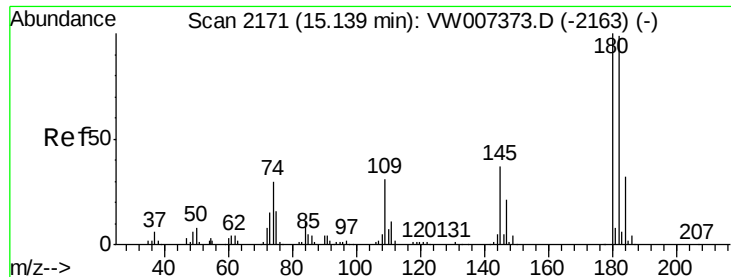
155 82.3 40.8 122.2

157 104.9 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

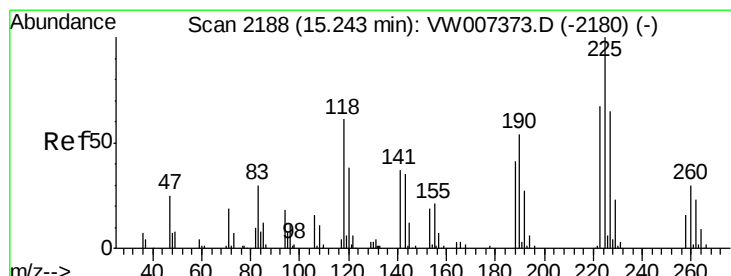
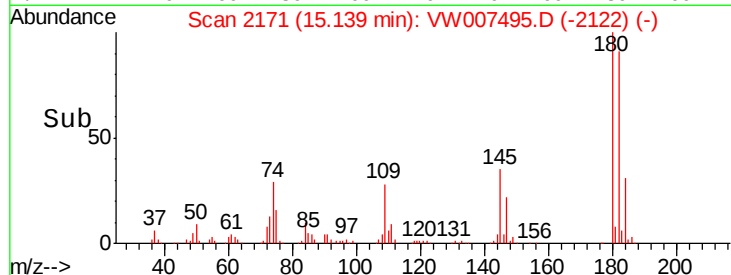
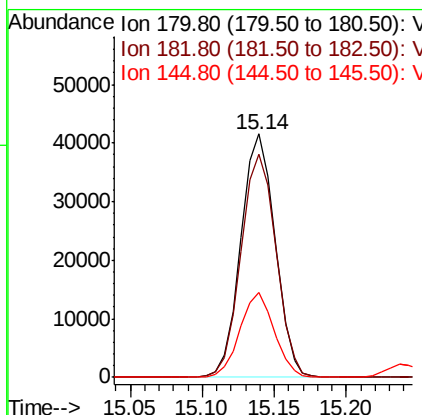
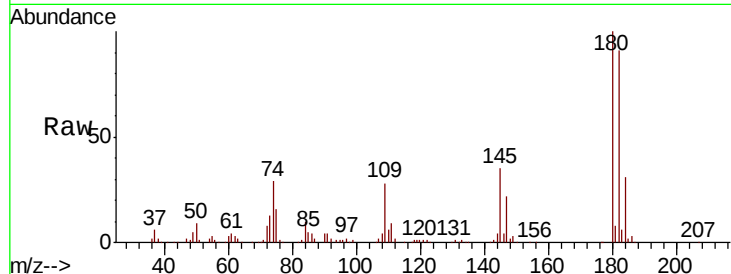




#93
 1,2,4-Trichlorobenzene
 Concen: 51.943 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

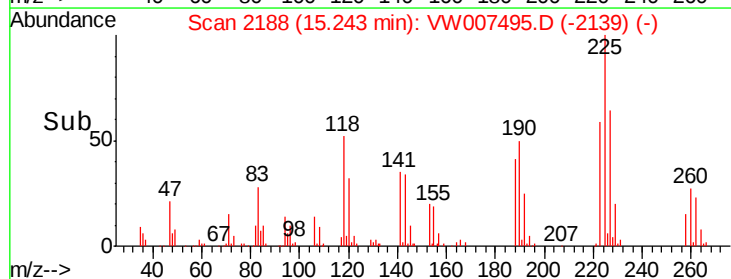
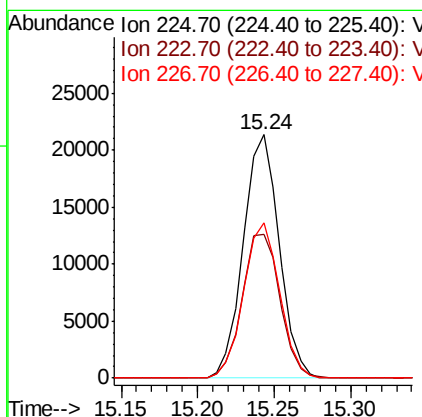
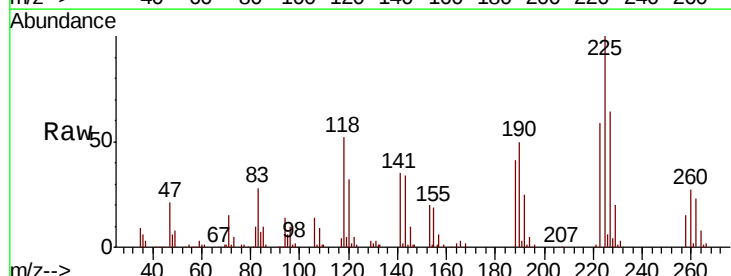
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

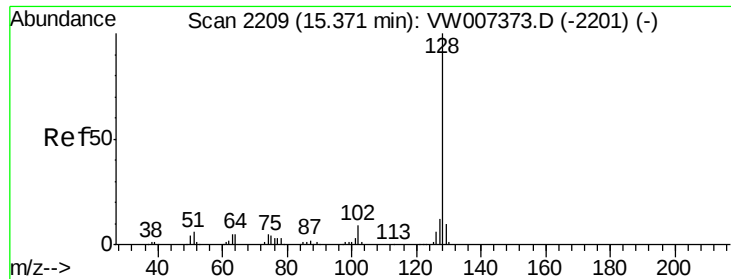
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	49.9	149.6
145	35.0	17.8	53.4



#94
 Hexachlorobutadiene
 Concen: 49.824 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW007495.D
 Acq: 13 Dec 2018 18:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	32.1	96.3
227	63.9	31.9	95.9

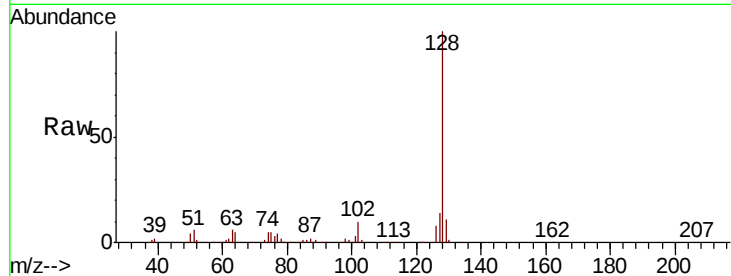




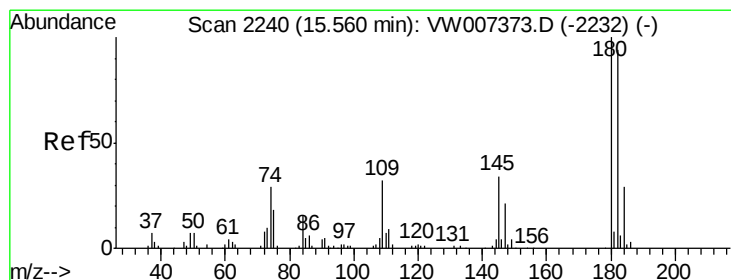
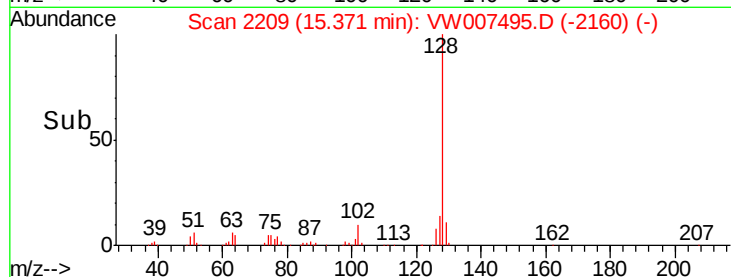
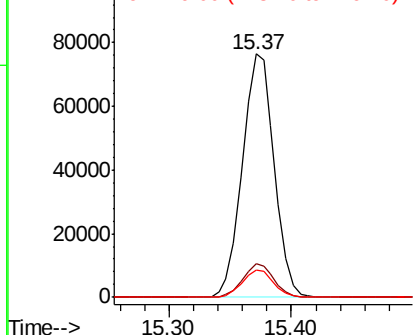
#95
Naphthalene
Concen: 54.586 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 137816
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.0 8.3 12.5

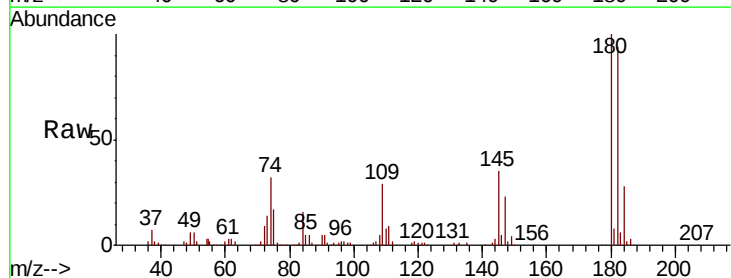


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.350 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW007495.D
Acq: 13 Dec 2018 18:38

Tgt Ion:180 Resp: 58870
Ion Ratio Lower Upper
180 100
182 95.7 45.6 136.7
145 37.2 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

