

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007449.D
 Acq On : 12 Dec 2018 20:11
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 13 04:19:34 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	82699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	61534	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	46286	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
35) Dibromofluoromethane	7.88	113	42564	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
50) Toluene-d8	10.32	98	160043	52.52	ug/l	0.00
Spiked Amount			Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.62	95	60986	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25491	44.109	ug/l	95
3) Chloromethane	2.21	50	21083	43.560	ug/l	94
4) Vinyl Chloride	2.37	62	25265	44.482	ug/l	97
5) Bromomethane	2.78	94	17845	46.761	ug/l	93
6) Chloroethane	2.93	64	14616	46.748	ug/l #	86
7) Trichlorofluoromethane	3.26	101	24131	47.256	ug/l	97
8) Diethyl Ether	3.68	74	19871	49.718	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41843	49.660	ug/l	99
10) Methyl Iodide	4.27	142	67152	48.120	ug/l	97
11) Tert butyl alcohol	5.18	59	16279	258.350	ug/l	97
12) 1,1-Dichloroethene	4.03	96	40470	49.886	ug/l	90
13) Acrolein	3.89	56	12130	290.928	ug/l	100
14) Allyl chloride	4.66	41	56802	47.501	ug/l	98
15) Acrylonitrile	5.36	53	45587	270.570	ug/l	99
16) Acetone	4.12	43	44127	275.352	ug/l	96
17) Carbon Disulfide	4.37	76	117690	47.846	ug/l	100
18) Methyl Acetate	4.67	43	22305	51.281	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	62010	50.669	ug/l	99
20) Methylene Chloride	4.91	84	43350	49.420	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	44162	48.663	ug/l	98
22) Diisopropyl ether	6.31	45	111671	48.584	ug/l	95
23) Vinyl Acetate	6.25	43	340557	264.895	ug/l	97
24) 1,1-Dichloroethane	6.21	63	74815	48.160	ug/l	100
25) 2-Butanone	7.17	43	58193	278.149	ug/l	99
26) 2,2-Dichloropropane	7.16	77	50170	48.798	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	48772	49.082	ug/l	98
28) Bromochloromethane	7.51	49	28361	48.536	ug/l	100
29) Tetrahydrofuran	7.53	42	35863	270.772	ug/l	96
30) Chloroform	7.68	83	84725	50.117	ug/l	98
31) Cyclohexane	7.95	56	64194	45.039	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	72796	49.104	ug/l	100
36) 1,1-Dichloropropene	8.08	75	62910	51.365	ug/l	99
37) Ethyl Acetate	7.25	43	25393	55.744	ug/l	98
38) Carbon Tetrachloride	8.07	117	70458	52.871	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78326	52.814	ug/l	94
40) Benzene	8.32	78	174398	51.310	ug/l	99
41) Methacrylonitrile	7.49	41	14728	56.776	ug/l	95
42) 1,2-Dichloroethane	8.40	62	57852	54.184	ug/l	99
43) Isopropyl Acetate	8.43	43	51193	56.893	ug/l	99
44) Trichloroethene	9.09	130	50941	52.485	ug/l	99
45) 1,2-Dichloropropane	9.37	63	41188	52.366	ug/l	99
46) Dibromomethane	9.46	93	24562	54.989	ug/l	98
47) Bromodichloromethane	9.64	83	62723	53.535	ug/l	96
48) Methyl methacrylate	9.44	41	24947	53.983	ug/l	95
49) 1,4-Dioxane	9.44	88	8195	1130.732	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	127413	299.681	ug/l	99
52) Toluene	10.39	92	116693	53.052	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64016	56.281	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	70270	53.441	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34323	56.460	ug/l	96
56) Ethyl methacrylate	10.65	69	43126	59.021	ug/l	99
57) 1,3-Dichloropropane	10.93	76	57571	57.697	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	90995	270.049	ug/l	99
59) 2-Hexanone	10.97	43	90687	319.886	ug/l	98
60) Dibromochloromethane	11.13	129	44091	57.471	ug/l	99
61) 1,2-Dibromoethane	11.24	107	34345	57.169	ug/l	96
64) Tetrachloroethene	10.86	164	42686	48.839	ug/l	93
65) Chlorobenzene	11.66	112	131130	51.764	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	47069	52.756	ug/l	99
67) Ethyl Benzene	11.73	91	229716	52.744	ug/l	93
68) m/p-Xylenes	11.84	106	179060	105.754	ug/l	98
69) o-Xylene	12.17	106	84457	53.410	ug/l	98
70) Styrene	12.18	104	140045	54.831	ug/l	99
71) Bromoform	12.35	173	25253	55.298	ug/l #	98
73) Isopropylbenzene	12.47	105	235623	49.973	ug/l	98
74) N-amyl acetate	12.27	43	46902	54.734	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	38652	55.348	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	54427	107.274	ug/l #	1
77) Bromobenzene	12.75	156	53787	51.465	ug/l	95
78) n-propylbenzene	12.81	91	276351	52.080	ug/l	100
79) 2-Chlorotoluene	12.90	91	159982	49.828	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	202842	51.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	12523	54.524	ug/l	95
82) 4-Chlorotoluene	12.99	91	169045	49.948	ug/l	97
83) tert-Butylbenzene	13.21	119	177473	50.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	204508	50.163	ug/l	99
85) sec-Butylbenzene	13.39	105	245781	51.576	ug/l	96
86) p-Isopropyltoluene	13.51	119	222422	51.954	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	107130	51.412	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106679	50.924	ug/l	97
89) n-Butylbenzene	13.83	91	205775	51.848	ug/l	98
90) Hexachloroethane	14.10	117	38565	50.627	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	96297	51.597	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7949	56.721	ug/l	99

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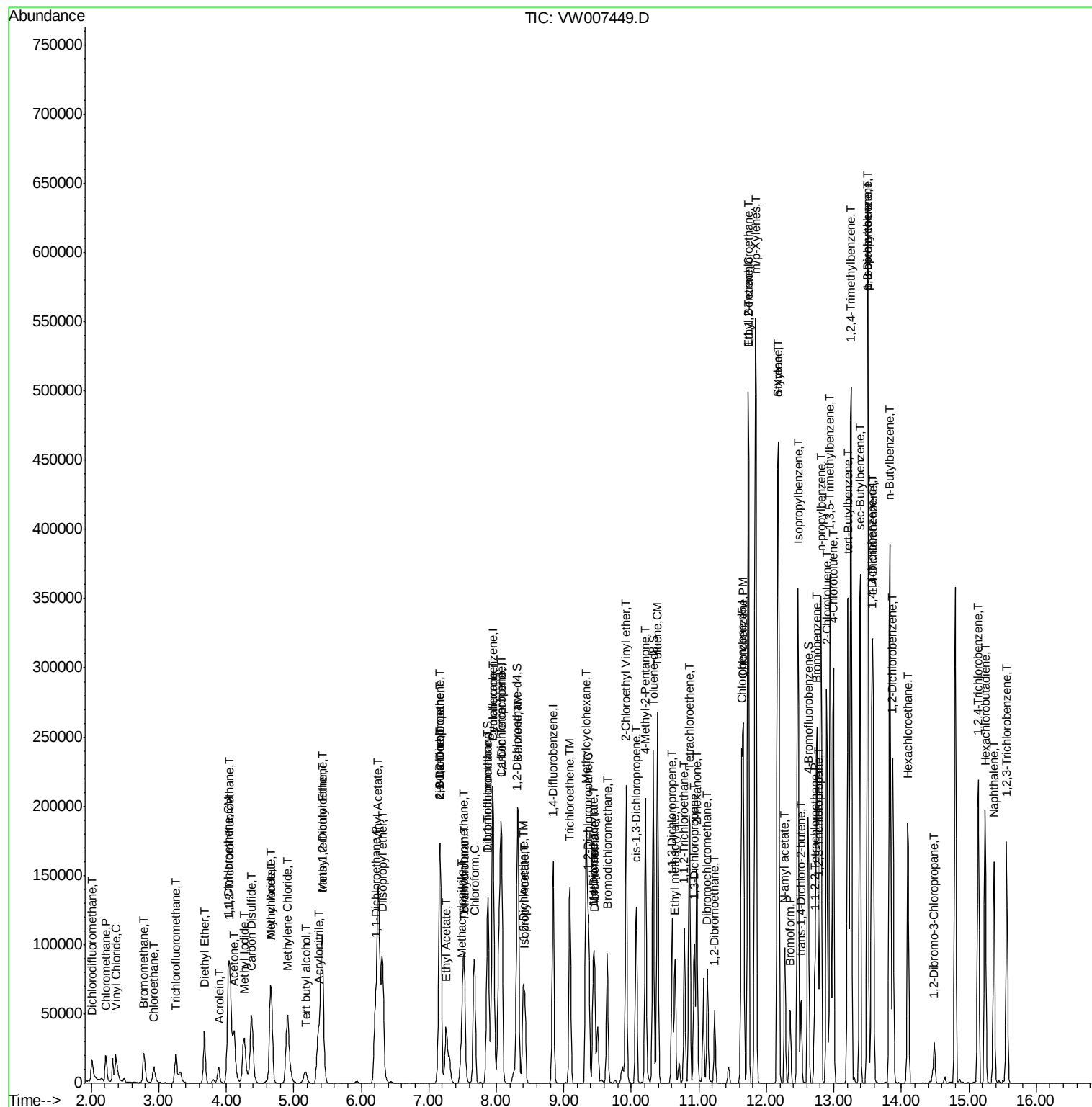
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	67256	52.364	ug/l	96
94) Hexachlorobutadiene	15.24	225	33991	49.878	ug/l	99
95) Naphthalene	15.37	128	139284	56.686	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57431	51.474	ug/l	94

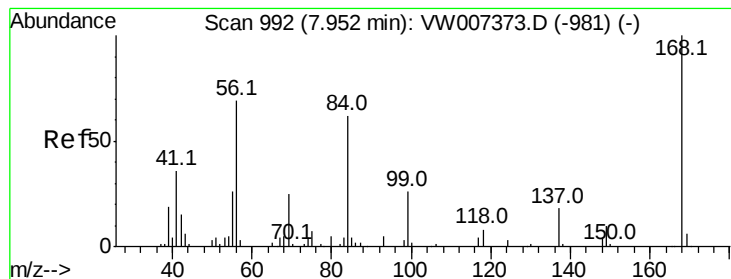
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121518\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

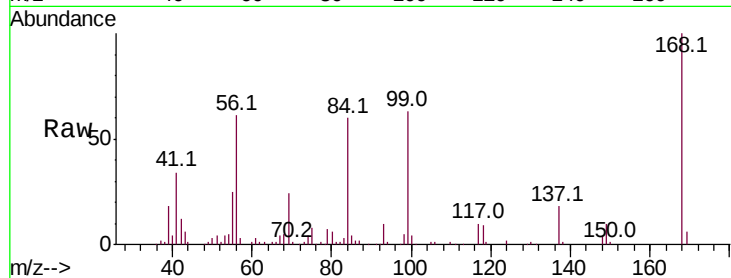
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 82699

Ion Ratio Lower Upper

168 100

99 62.7 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

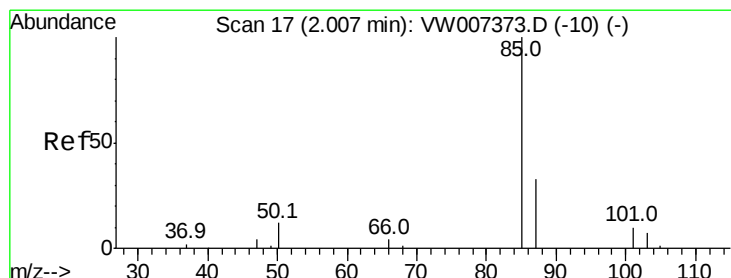
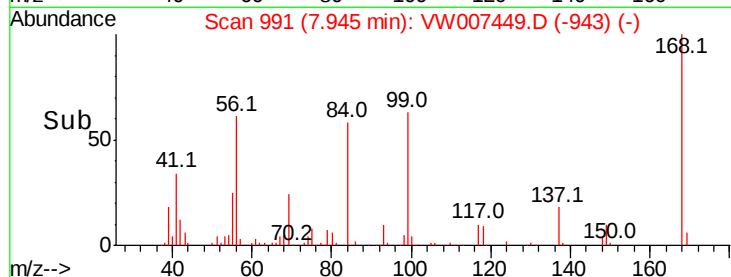
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 44.109 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007449.D

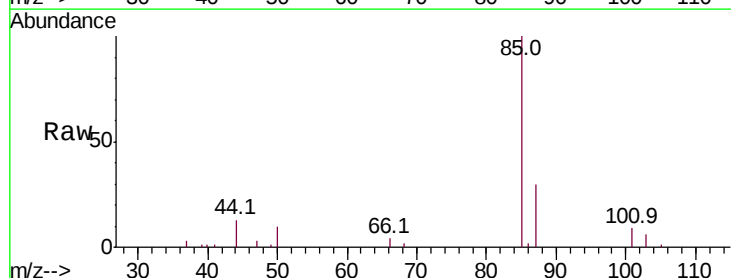
Acq: 12 Dec 2018 20:11

Tgt Ion: 85 Resp: 25491

Ion Ratio Lower Upper

85 100

87 30.5 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

6000

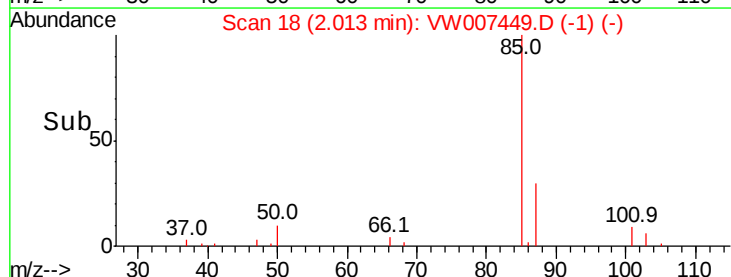
4000

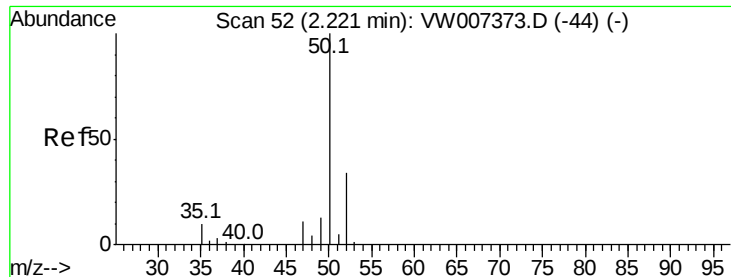
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 43.560 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

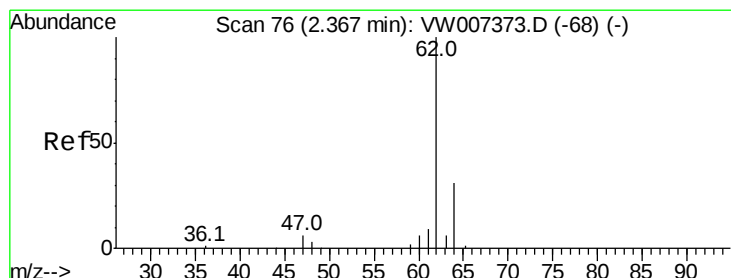
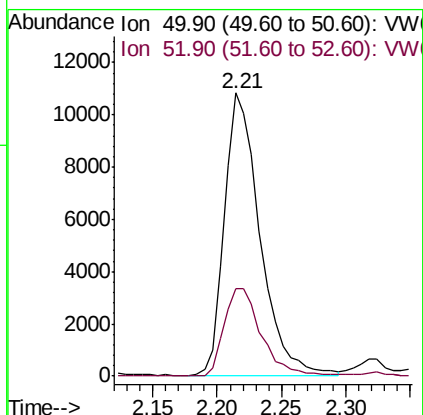
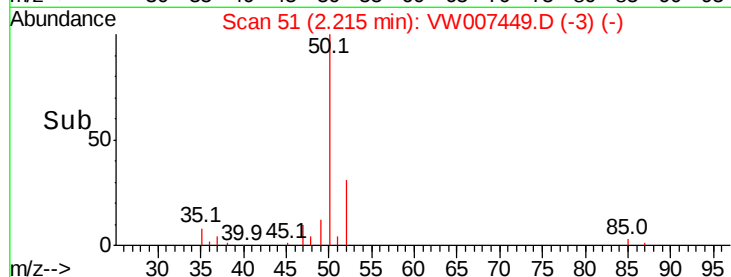
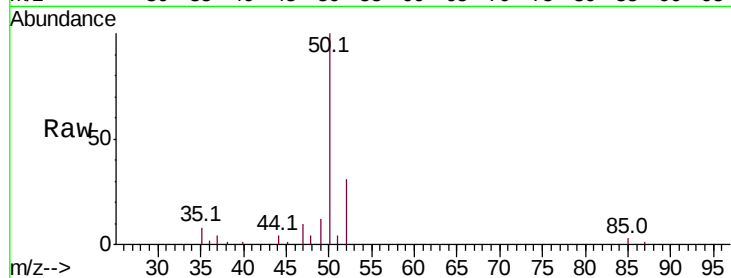
VSTDCCC050

Tot Ion: 50 Resp: 21083

Ion Ratio Lower Upper

50 100

52 31.0 27.4 41.0



#4

Vinyl Chloride

Concen: 44.482 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007449.D

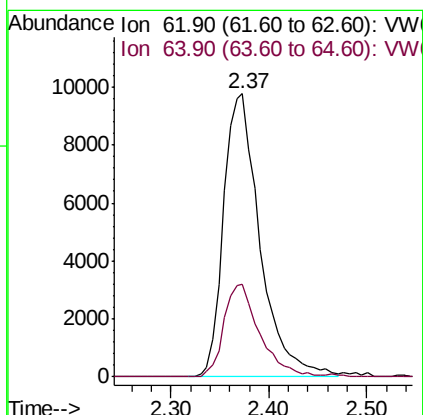
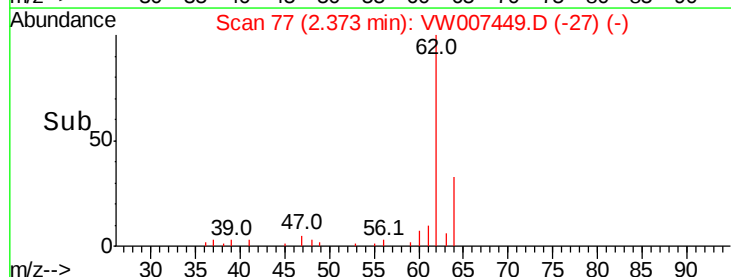
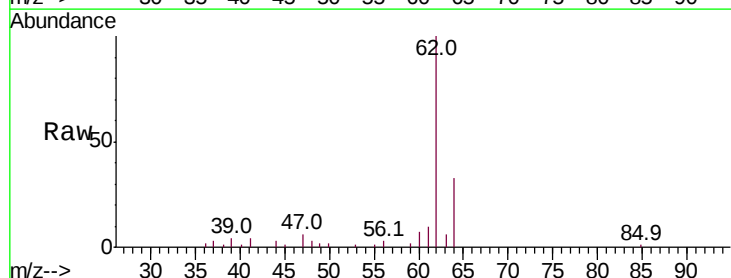
Acq: 12 Dec 2018 20:11

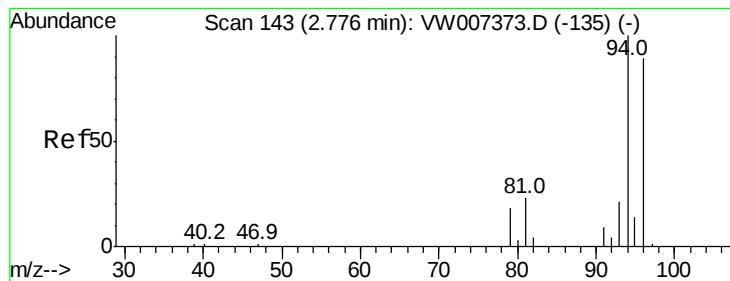
Tgt Ion: 62 Resp: 25265

Ion Ratio Lower Upper

62 100

64 32.7 24.6 37.0





#5

Bromomethane

Concen: 46.761 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

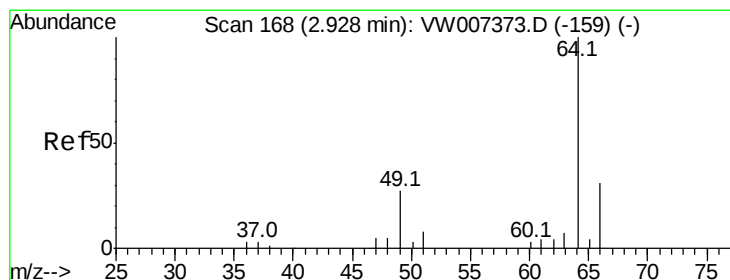
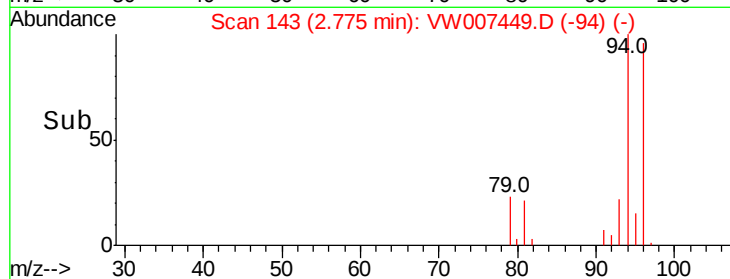
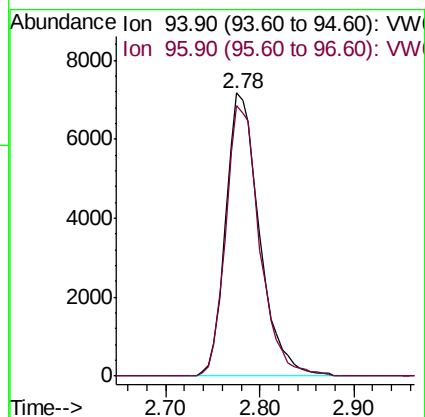
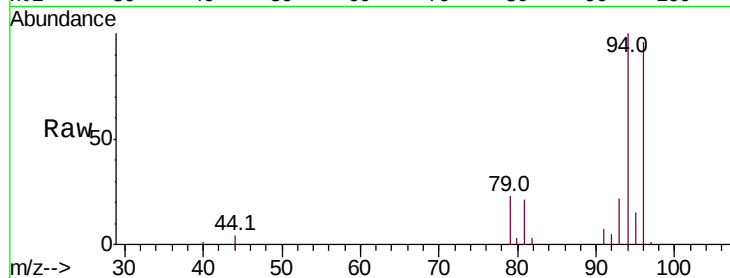
VSTDCCC050

Tot Ion: 94 Resp: 17845

Ion Ratio Lower Upper

94 100

96 95.6 71.0 106.4



#6

Chloroethane

Concen: 46.748 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007449.D

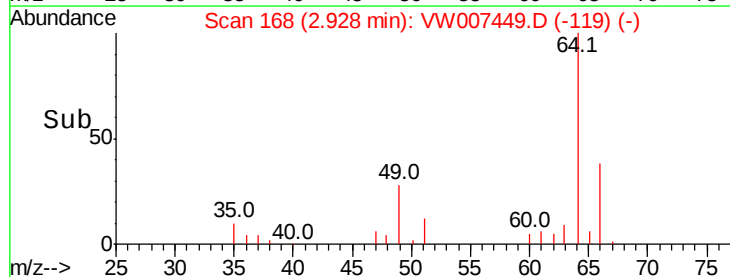
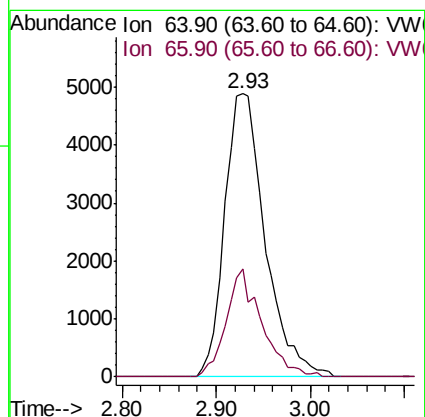
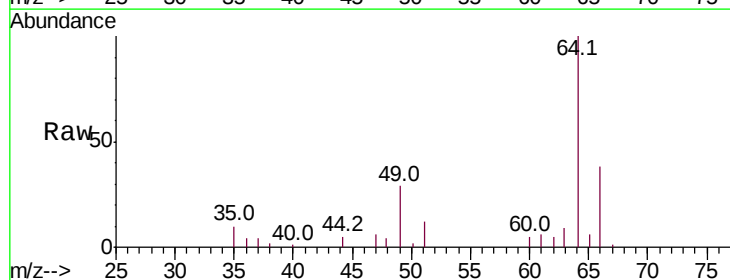
Acq: 12 Dec 2018 20:11

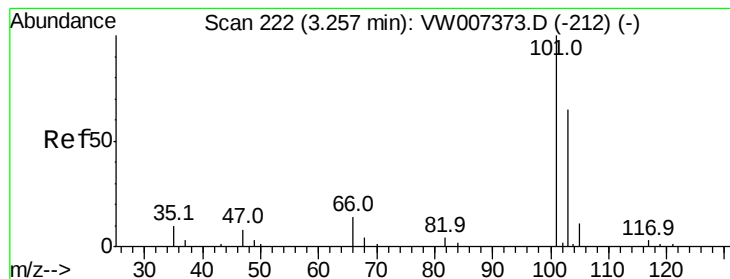
Tgt Ion: 64 Resp: 14616

Ion Ratio Lower Upper

64 100

66 38.3 24.6 37.0#



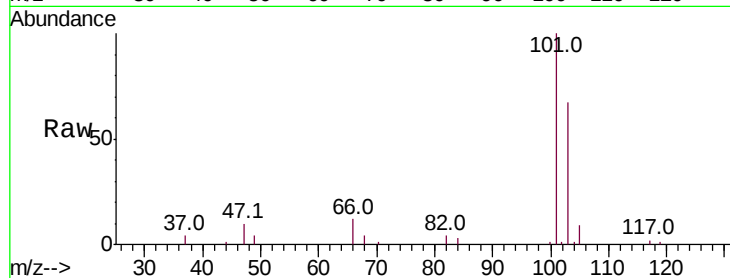


#7

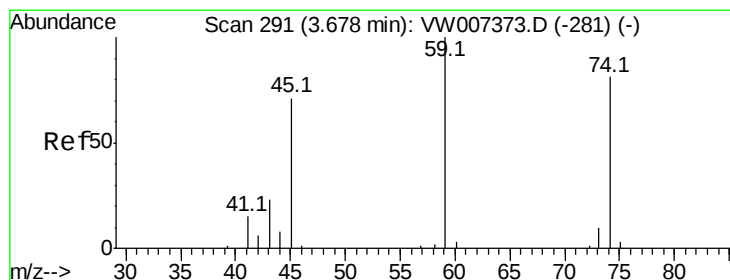
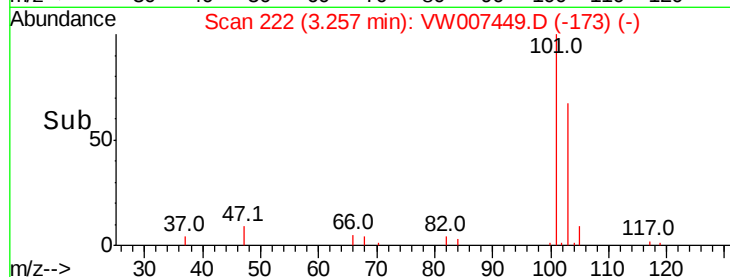
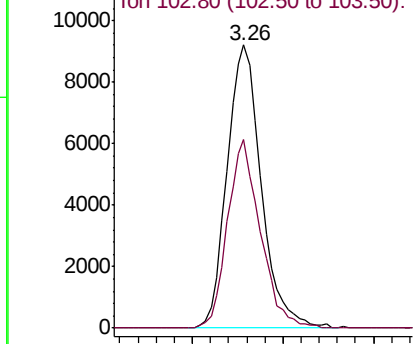
Trichlorofluoromethane
 Concen: 47.256 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007449.D
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Tot Ion:101 Resp: 24131
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.7 77.5



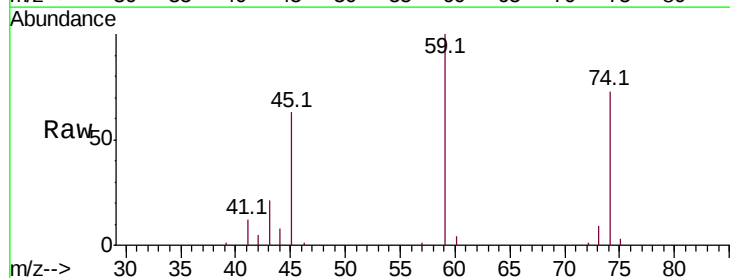
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



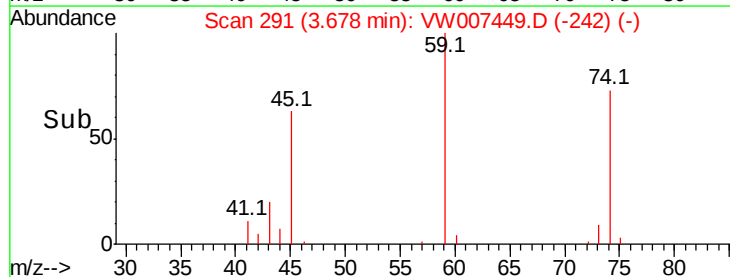
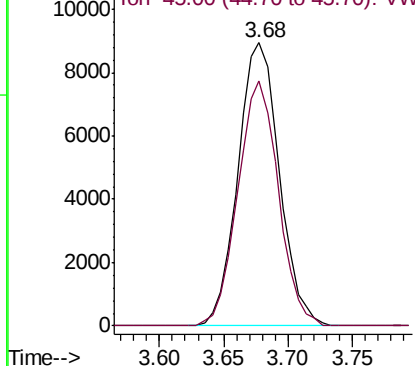
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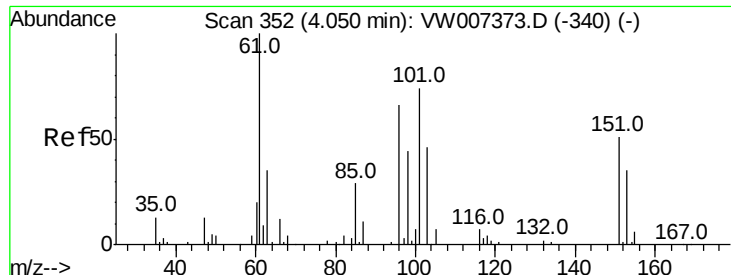
Diethyl Ether
 Concen: 49.718 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
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Tgt Ion: 74 Resp: 19871
 Ion Ratio Lower Upper
 74 100
 45 84.7 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.660 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

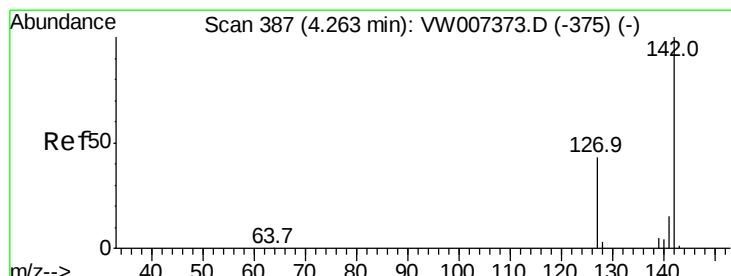
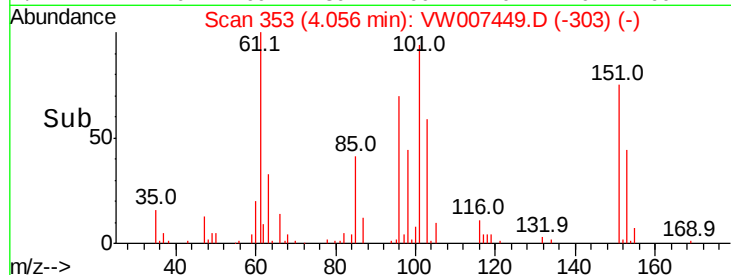
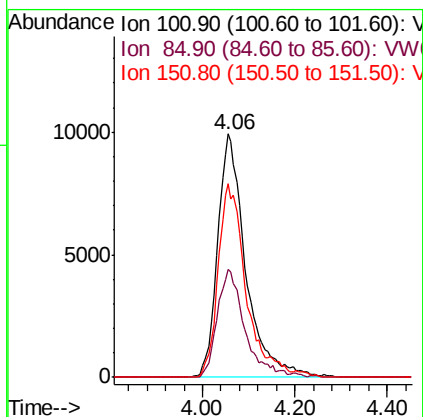
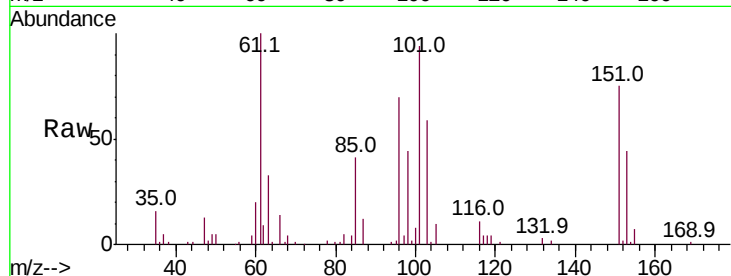
Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 41843

Ion	Ratio	Lower	Upper
101	100		
85	43.2	33.9	50.9
151	78.6	63.7	95.5



#10

Methyl Iodide

Concen: 48.120 ug/l

RT: 4.27 min Scan# 388

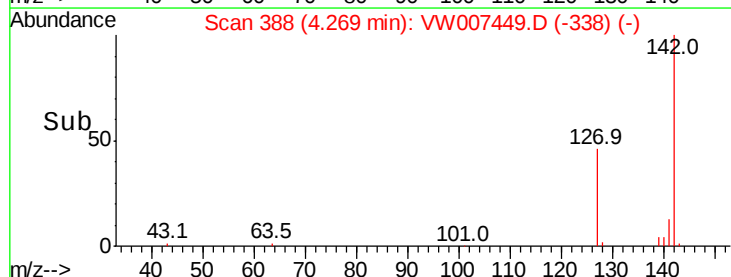
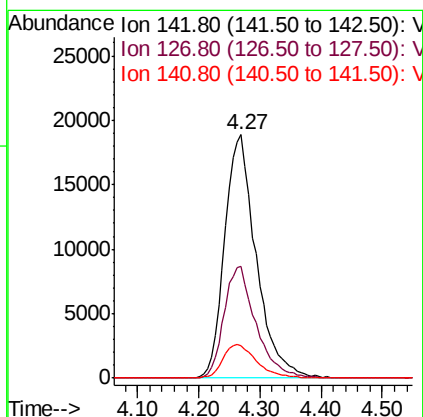
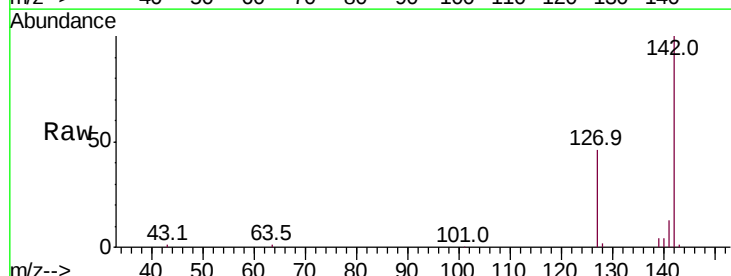
Delta R.T. 0.01 min

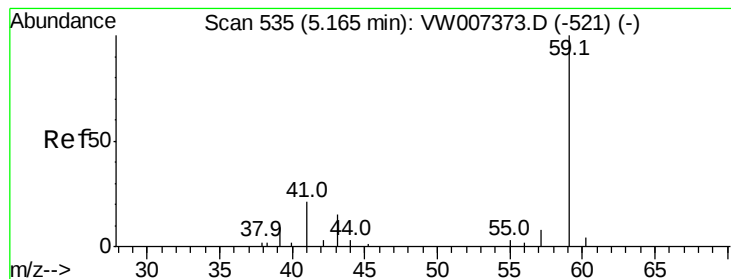
Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Tgt Ion:142 Resp: 67152

Ion	Ratio	Lower	Upper
142	100		
127	46.5	35.8	53.6
141	14.7	11.1	16.7



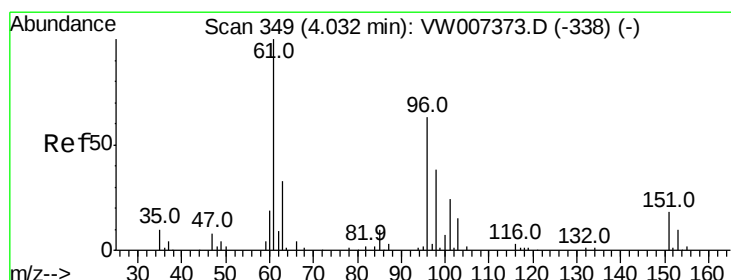
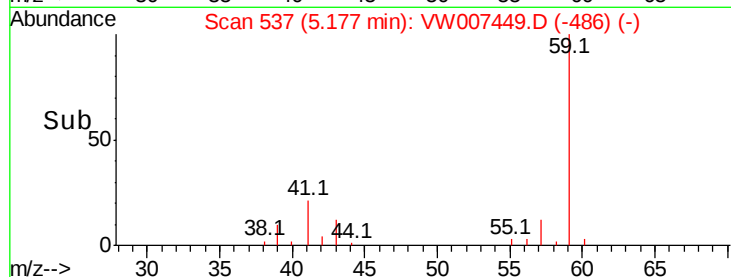
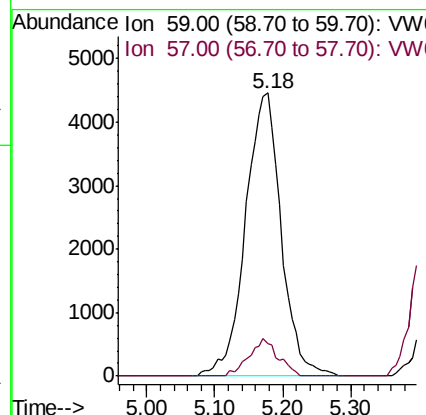
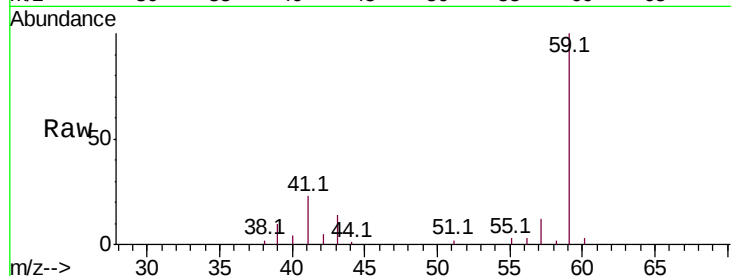


#11

Tert butyl alcohol
Concen: 258.350 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

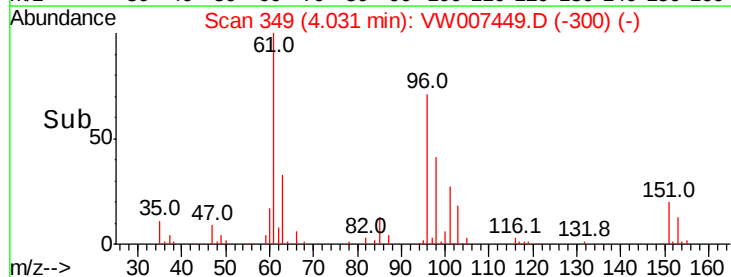
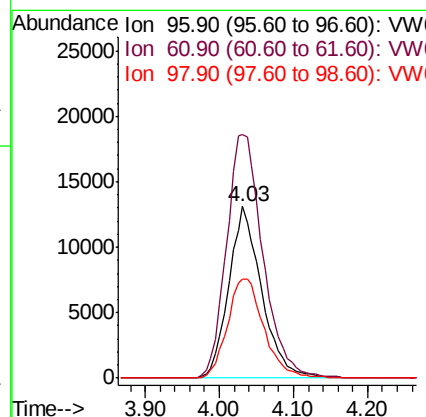
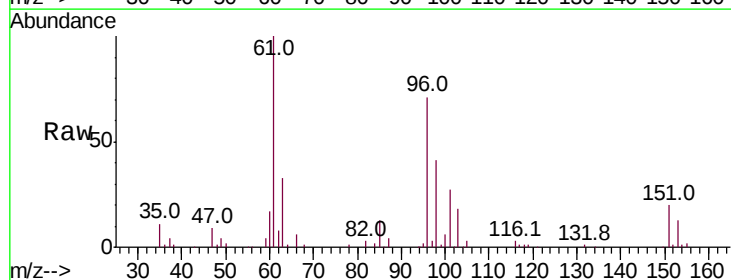
Tot Ion: 59 Resp: 16279
Ion Ratio Lower Upper
59 100
57 10.7 7.6 11.4

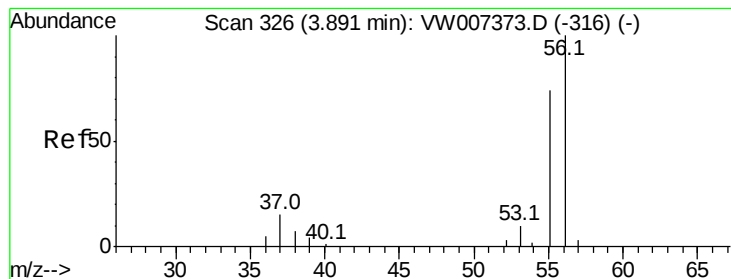


#12

1,1-Dichloroethene
Concen: 49.886 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 96 Resp: 40470
Ion Ratio Lower Upper
96 100
61 141.8 126.2 189.2
98 57.8 48.3 72.5





#13

Acrolein

Concen: 290.928 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

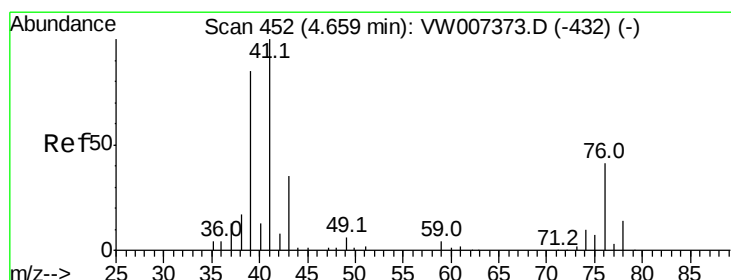
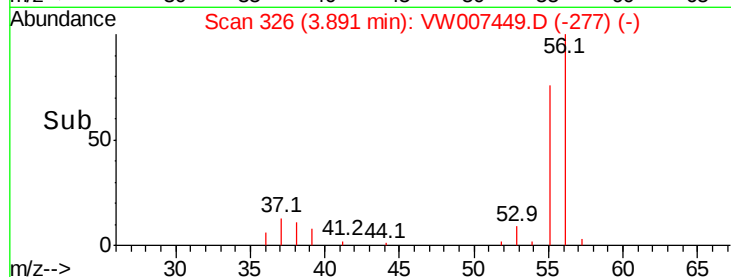
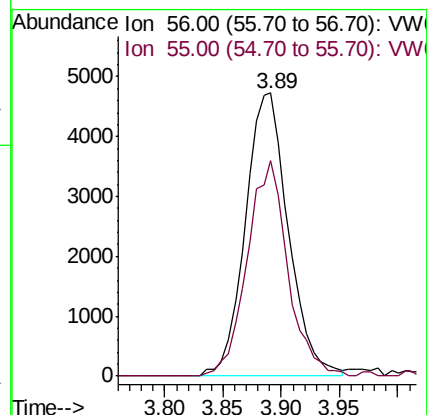
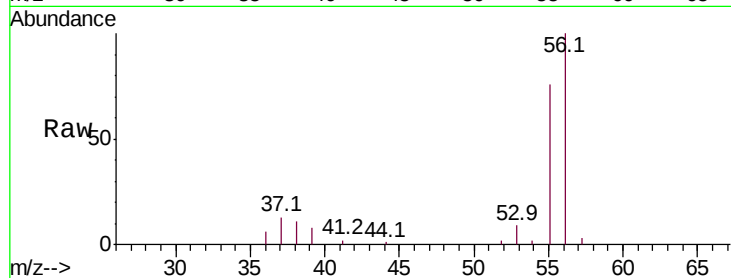
VSTDCCC050

Tot Ion: 56 Resp: 12130

Ion Ratio Lower Upper

56 100

55 71.9 57.4 86.2



#14

Allyl chloride

Concen: 47.501 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

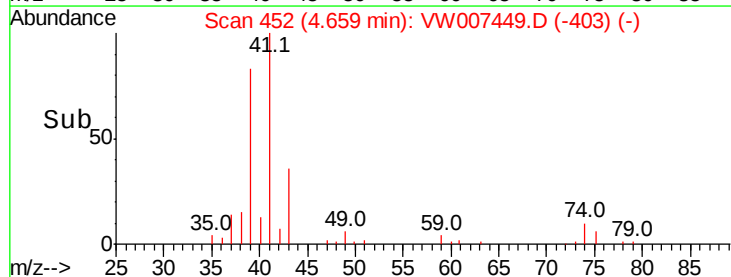
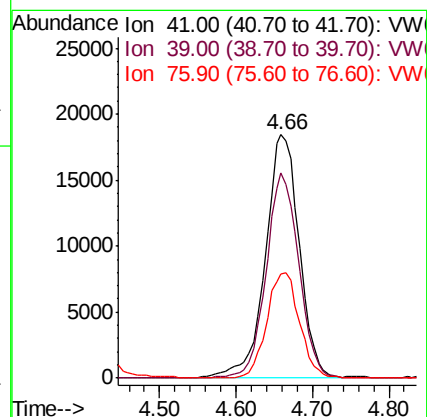
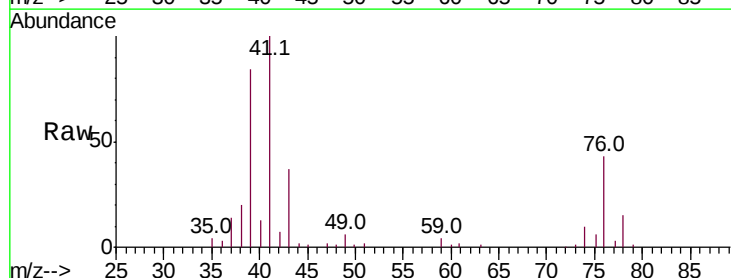
Tgt Ion: 41 Resp: 56802

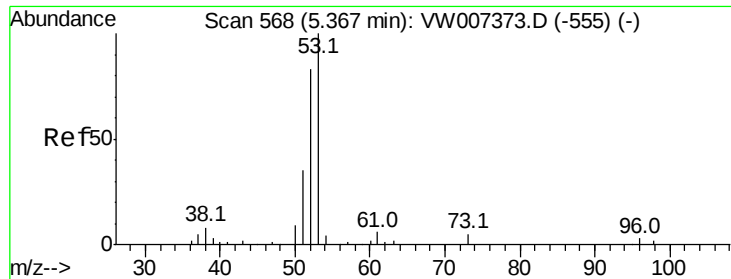
Ion Ratio Lower Upper

41 100

39 81.3 63.4 95.2

76 41.8 32.1 48.1





#15

Acrylonitrile

Concen: 270.570 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

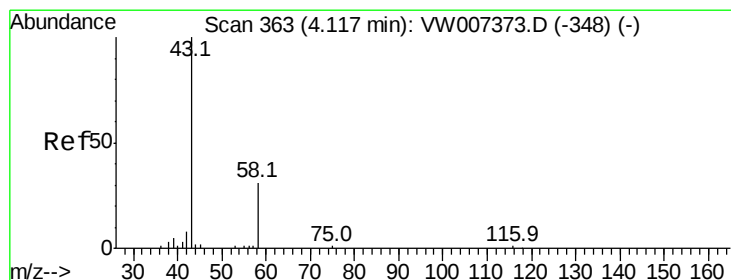
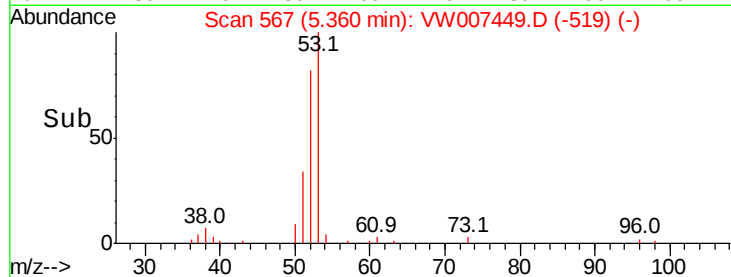
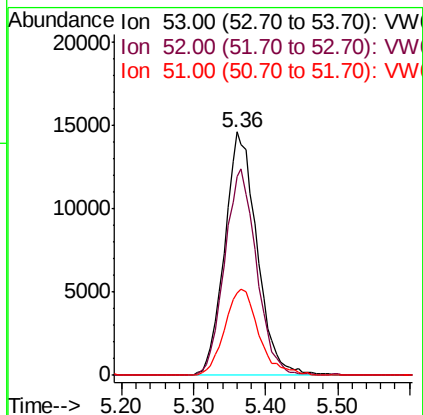
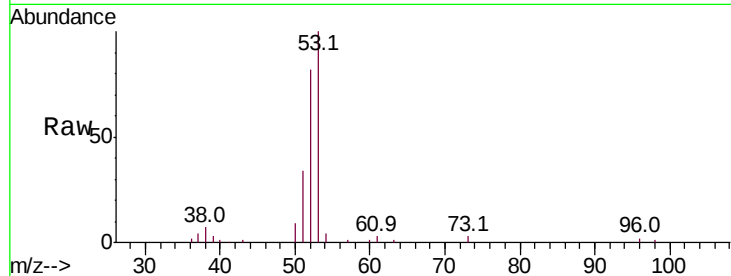
Tot Ion: 53 Resp: 45587

Ion Ratio Lower Upper

53 100

52 83.7 67.4 101.2

51 37.3 30.2 45.2



#16

Acetone

Concen: 275.352 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007449.D

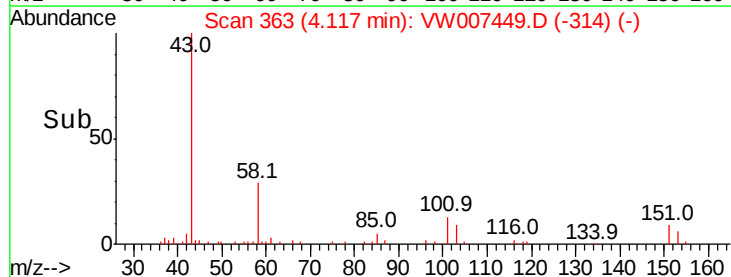
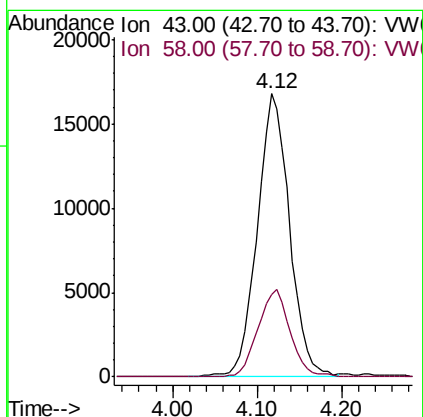
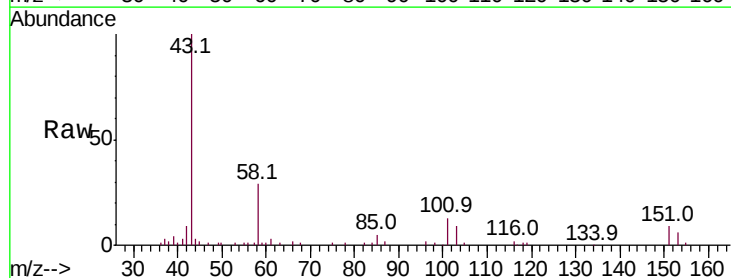
Acq: 12 Dec 2018 20:11

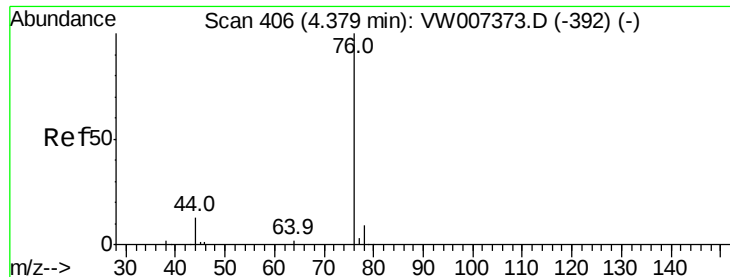
Tgt Ion: 43 Resp: 44127

Ion Ratio Lower Upper

43 100

58 29.0 24.9 37.3

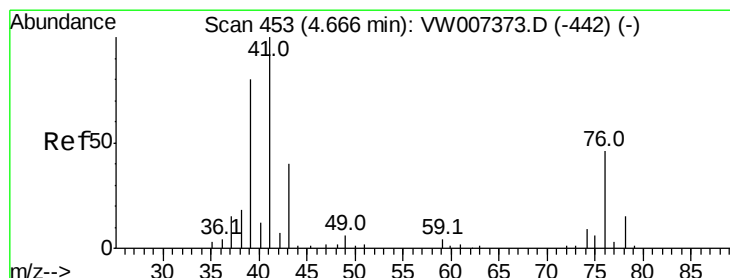
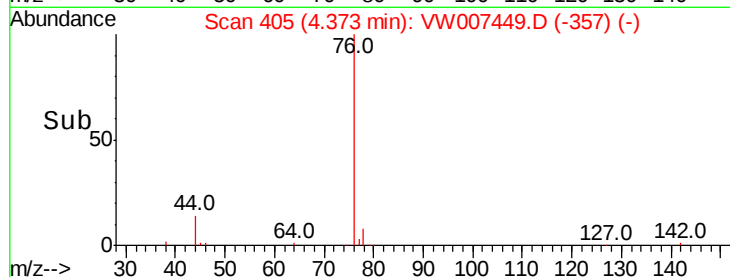
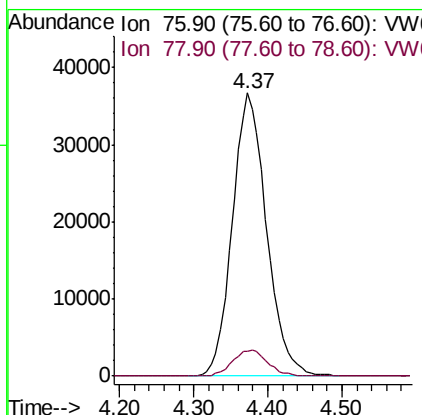
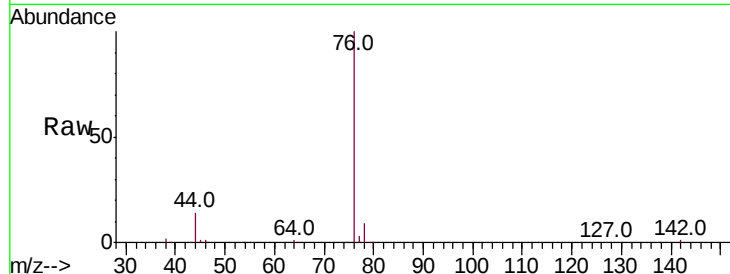




#17
Carbon Disulfide
Concen: 47.846 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

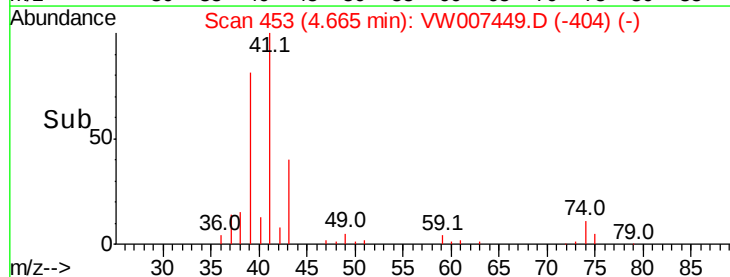
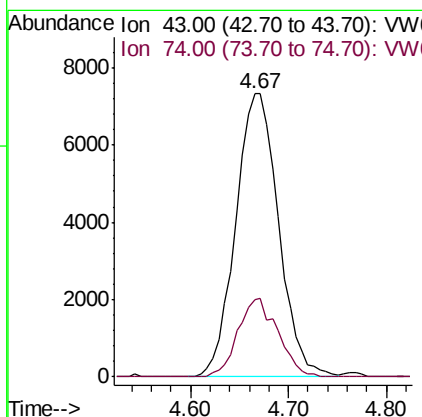
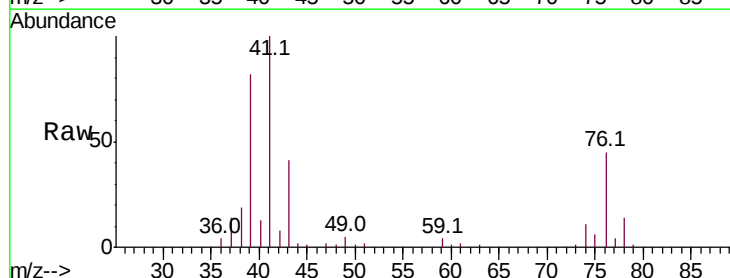
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

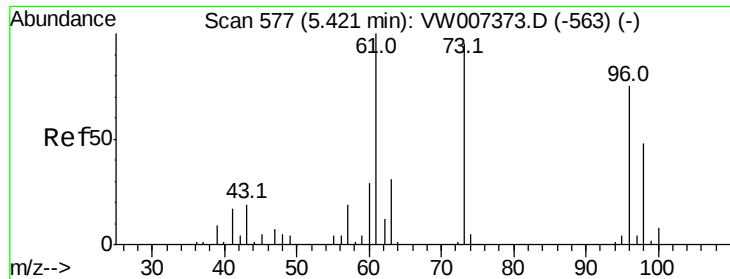
Tot Ion: 76 Resp: 117690
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 51.281 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 43 Resp: 22305
Ion Ratio Lower Upper
43 100
74 25.7 21.1 31.7

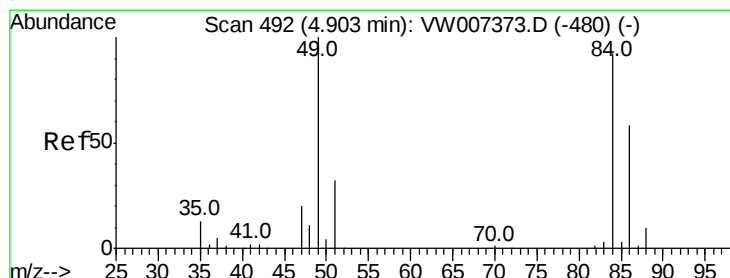
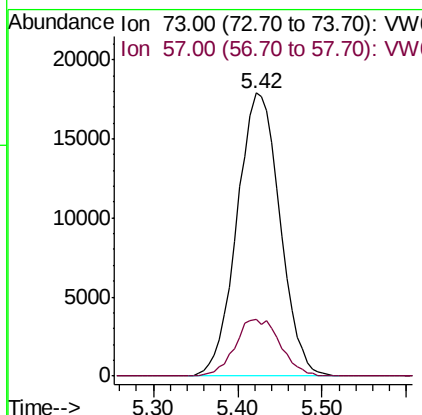
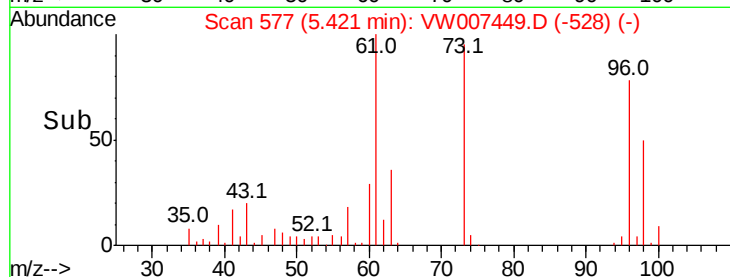
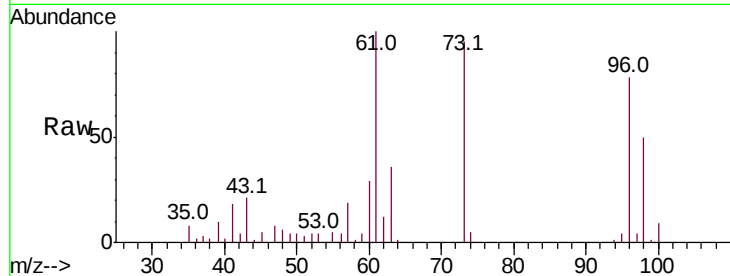




#19
Methyl tert-butyl Ether
Concen: 50.669 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

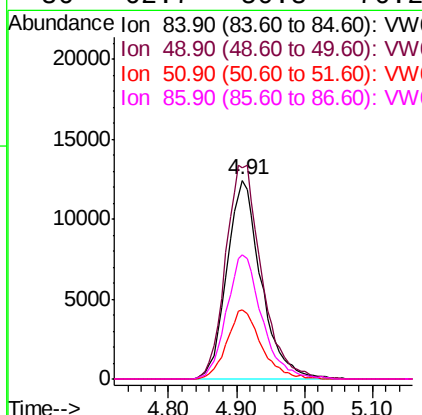
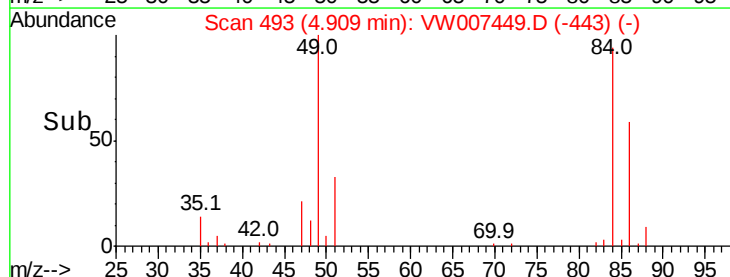
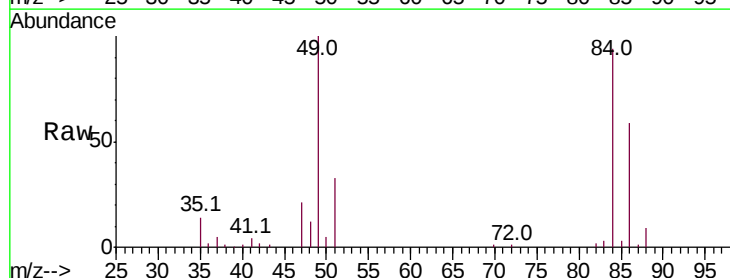
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

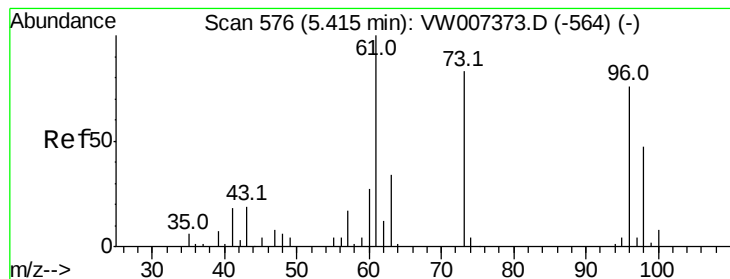
Tot Ion: 73 Resp: 62010
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6



#20
Methylene Chloride
Concen: 49.420 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 84 Resp: 43350
Ion Ratio Lower Upper
84 100
49 106.2 87.1 130.7
51 34.9 28.2 42.2
86 62.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.663 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

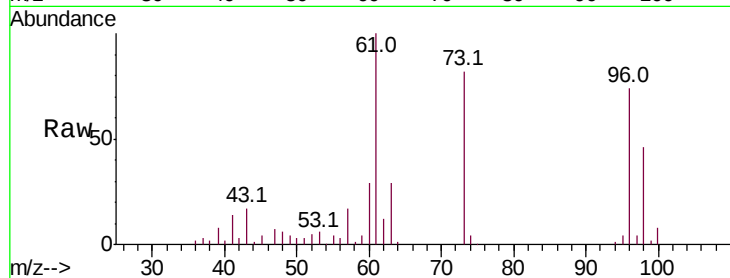
Tot Ion: 96 Resp: 44162

Ion Ratio Lower Upper

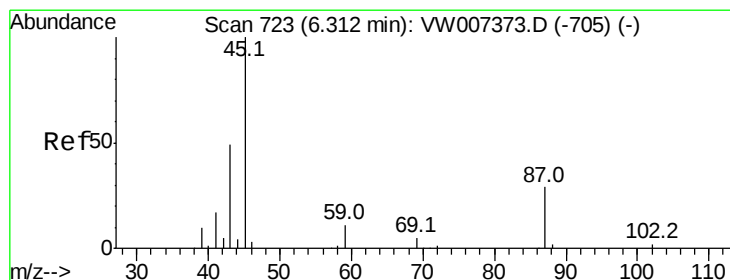
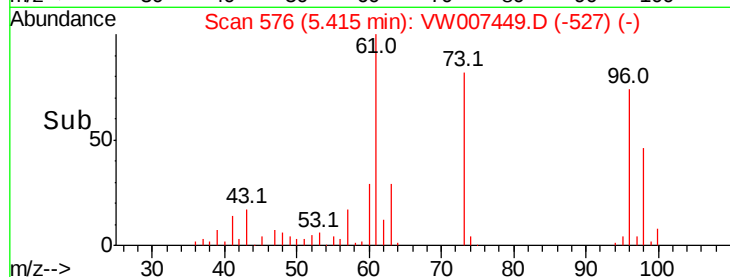
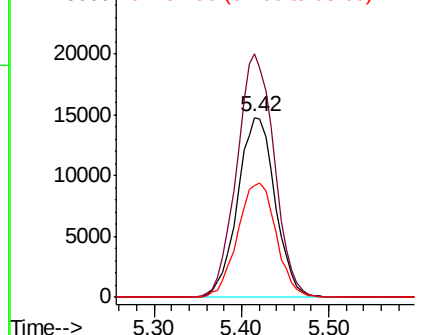
96 100

61 135.1 105.0 157.6

98 62.3 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: 48.584 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Tgt Ion: 45 Resp: 111671

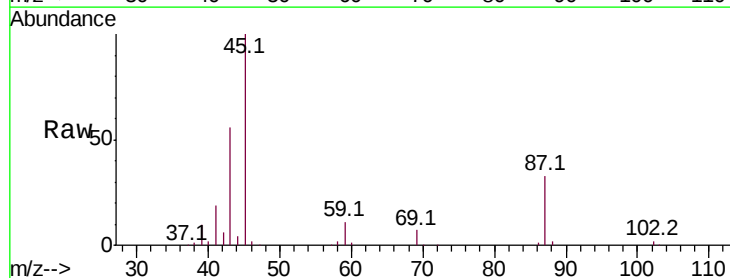
Ion Ratio Lower Upper

45 100

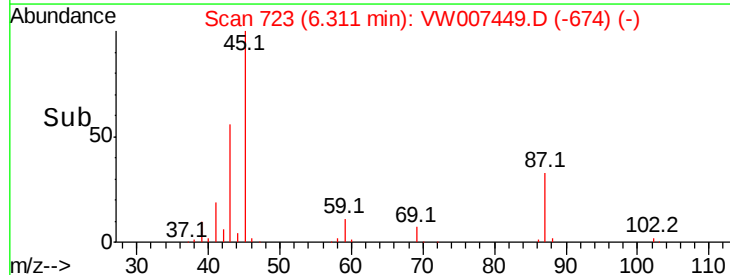
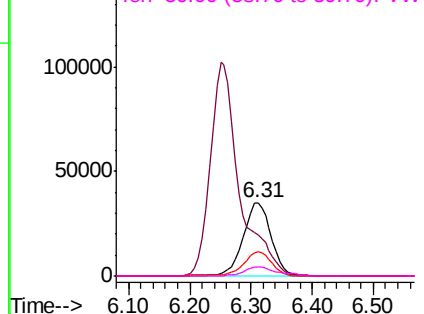
43 55.4 41.6 62.4

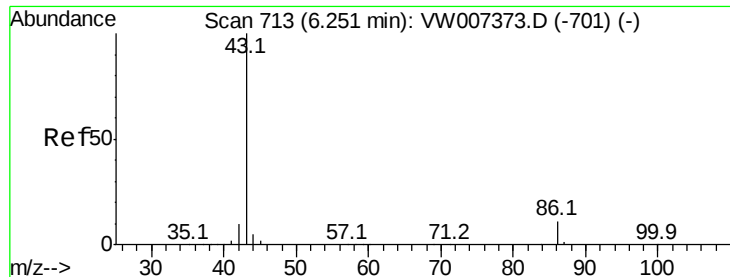
87 33.4 24.3 36.5

59 11.5 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: 264.895 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

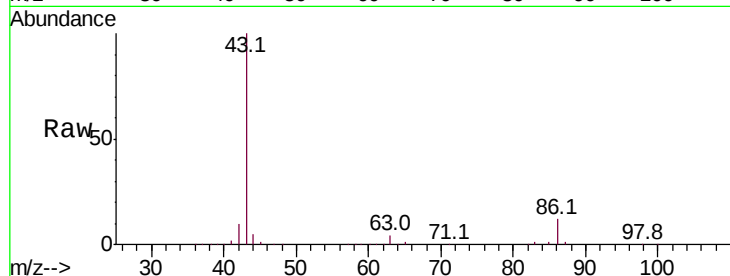
VSTDCCC050

Tot Ion: 43 Resp: 340557

Ion Ratio Lower Upper

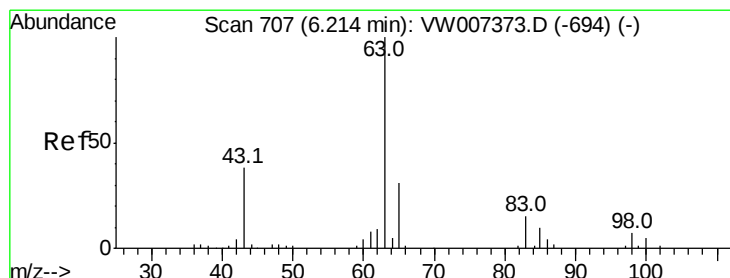
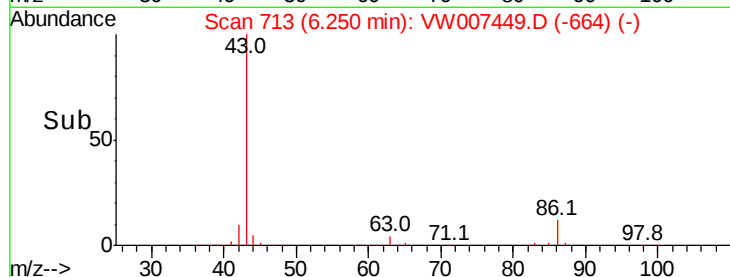
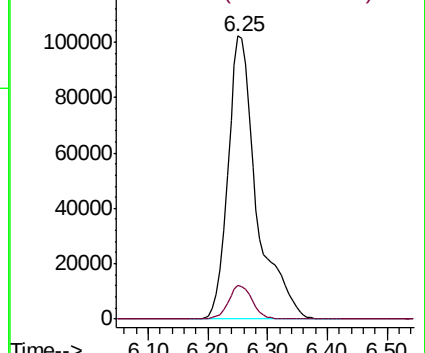
43 100

86 11.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 48.160 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

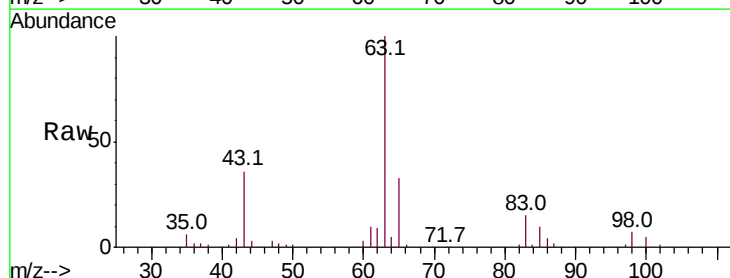
Tgt Ion: 63 Resp: 74815

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

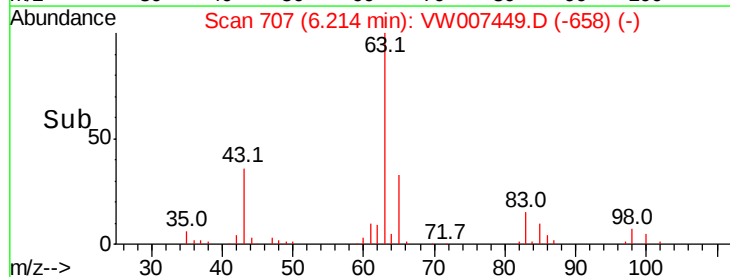
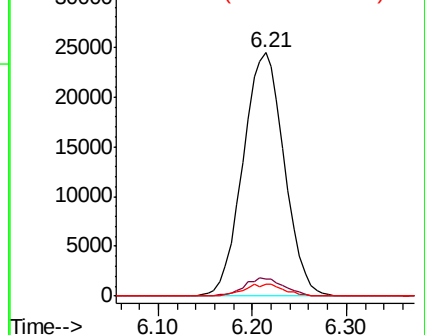
100 5.1 2.5 7.5

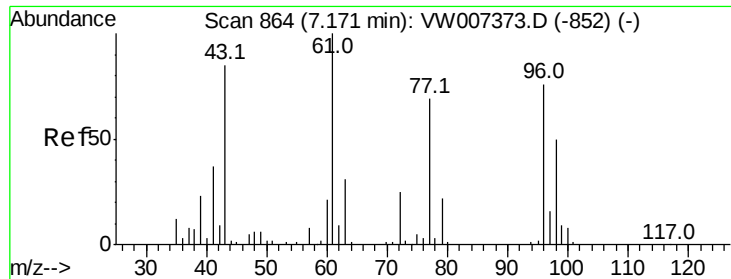


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

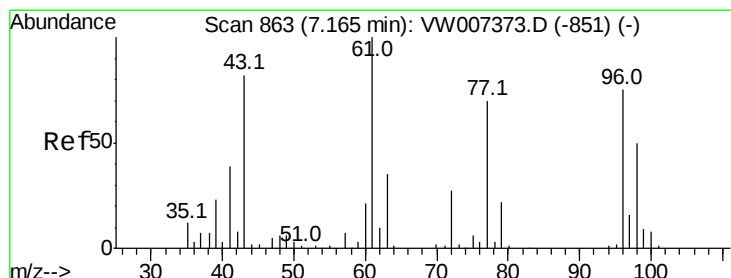
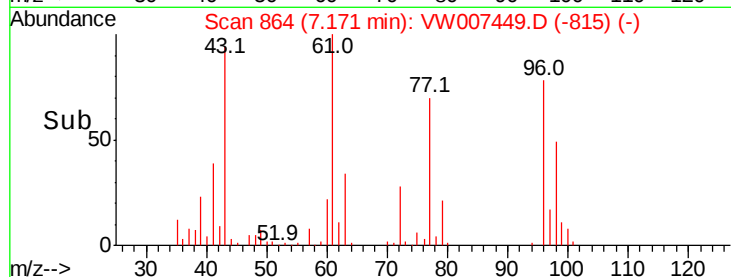
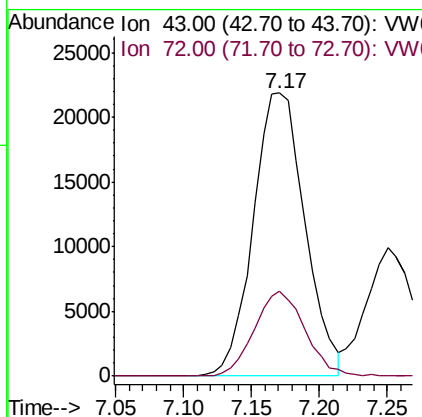
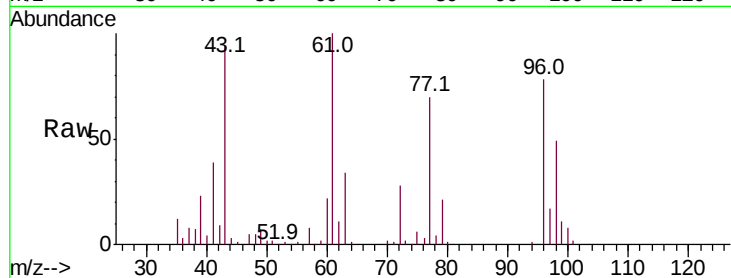




#25
2-Butanone
Concen: 278.149 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

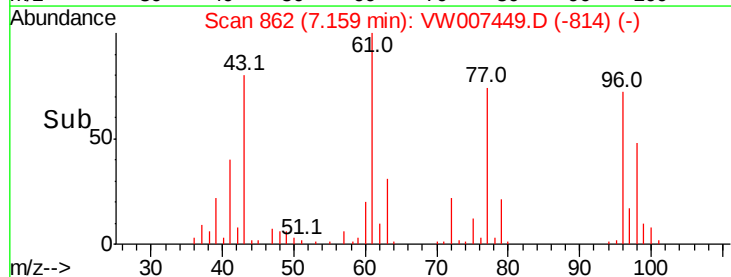
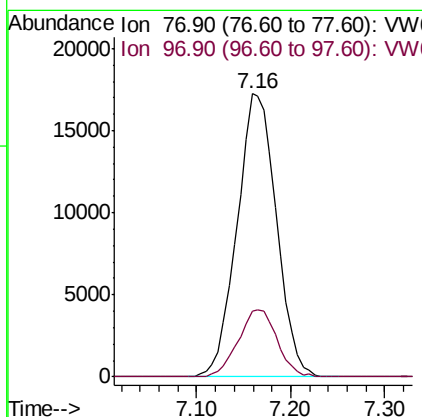
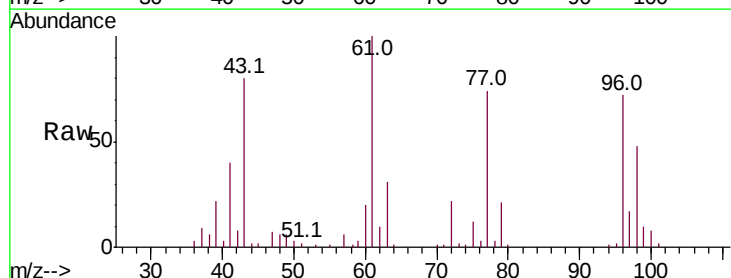
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

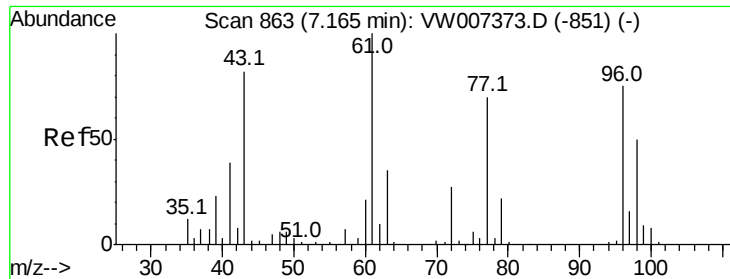
Tot Ion: 43 Resp: 58193
Ion Ratio Lower Upper
43 100
72 29.8 23.4 35.2



#26
2,2-Dichloropropane
Concen: 48.798 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 77 Resp: 50170
Ion Ratio Lower Upper
77 100
97 23.4 11.6 34.8

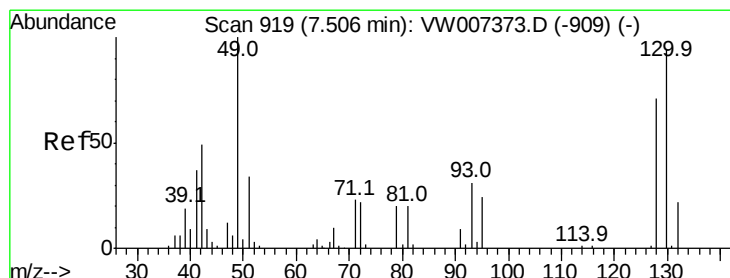
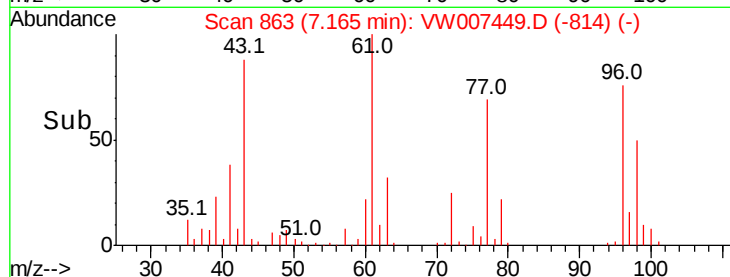
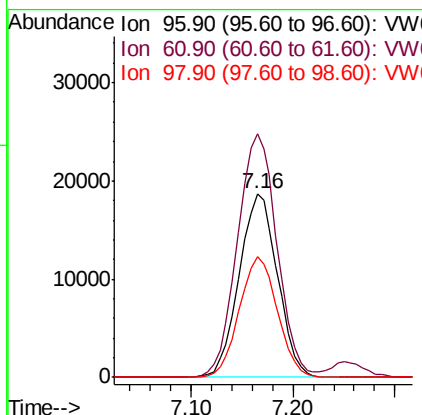
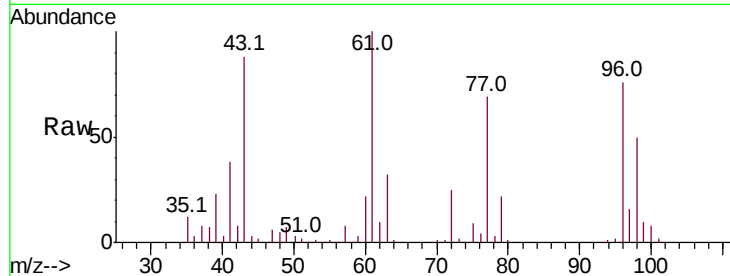




#27
 cis-1,2-Dichloroethene
 Concen: 49.082 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

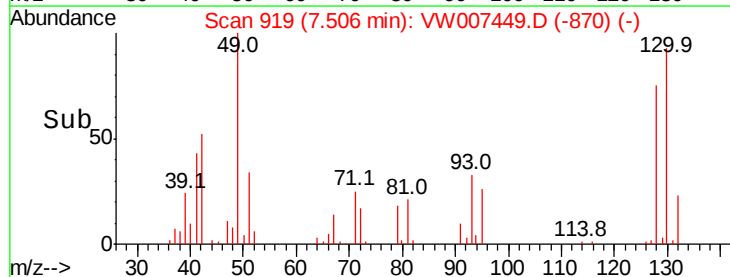
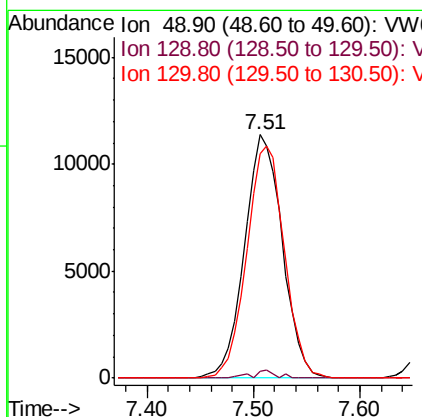
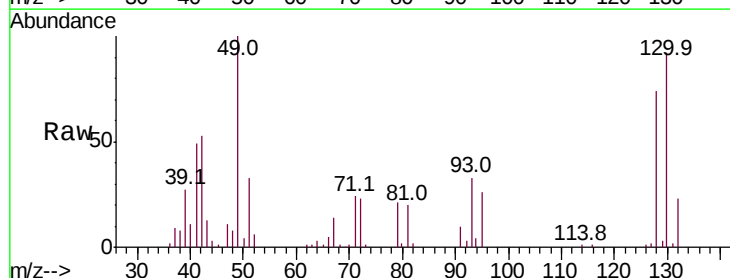
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

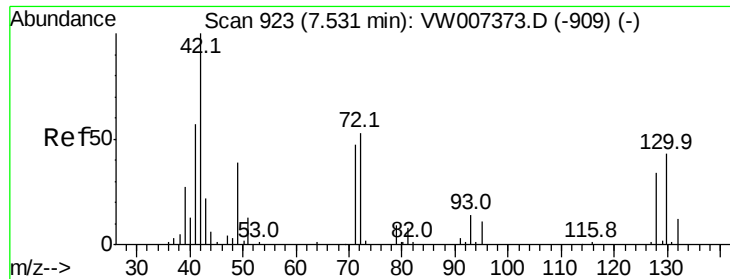
Tot Ion: 96 Resp: 48772
 Ion Ratio Lower Upper
 96 100
 61 137.2 0.0 268.4
 98 65.3 0.0 127.8



#28
 Bromochloromethane
 Concen: 48.536 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 49 Resp: 28361
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 2.6
 130 94.9 75.9 113.9

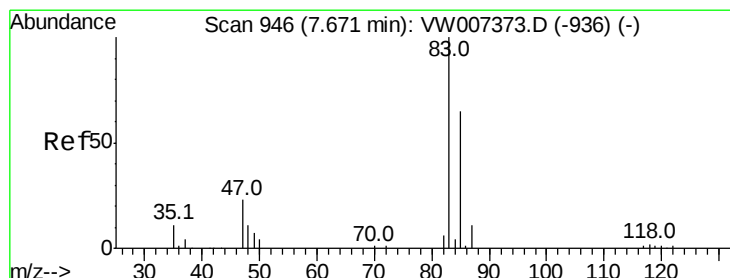
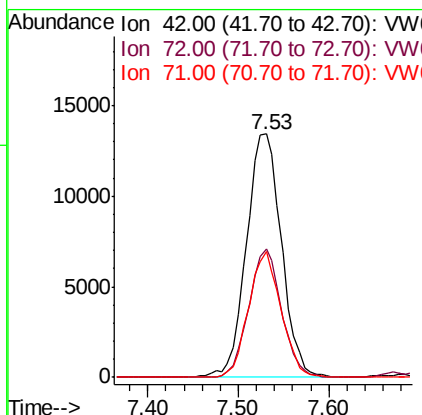
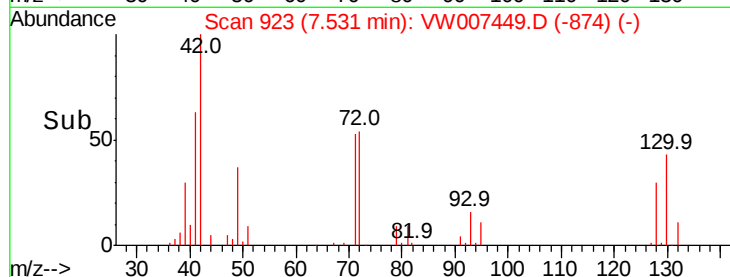
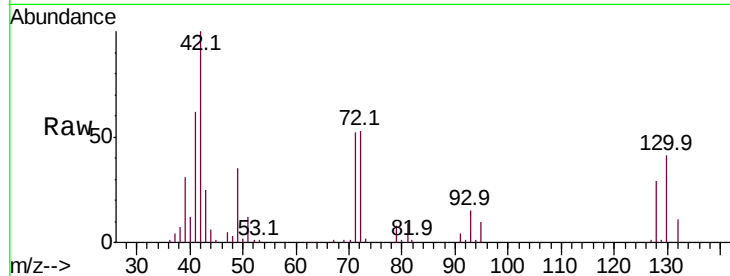




#29
Tetrahydrofuran
Concen: 270.772 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

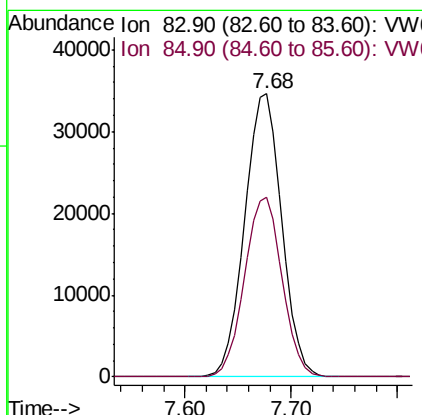
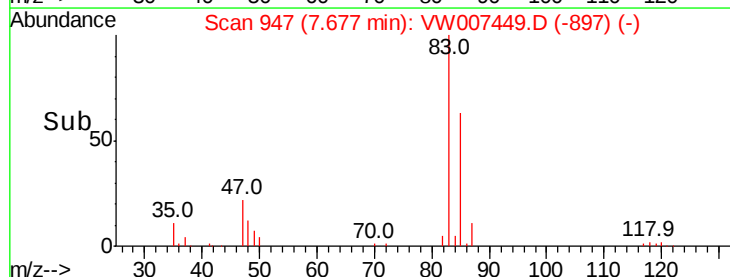
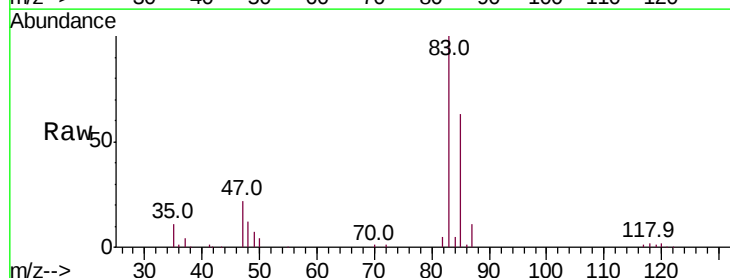
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

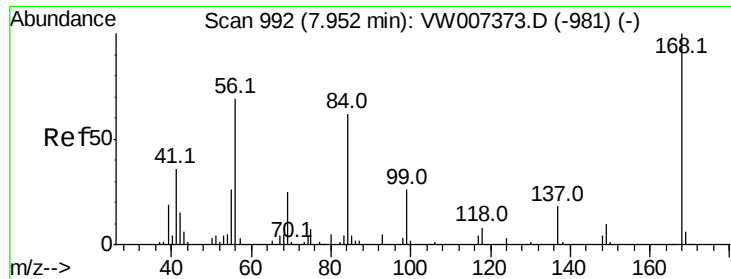
Tot Ion: 42 Resp: 35863
Ion Ratio Lower Upper
42 100
72 49.4 38.2 57.4
71 47.9 35.5 53.3



#30
Chloroform
Concen: 50.117 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 83 Resp: 84725
Ion Ratio Lower Upper
83 100
85 63.4 51.8 77.8

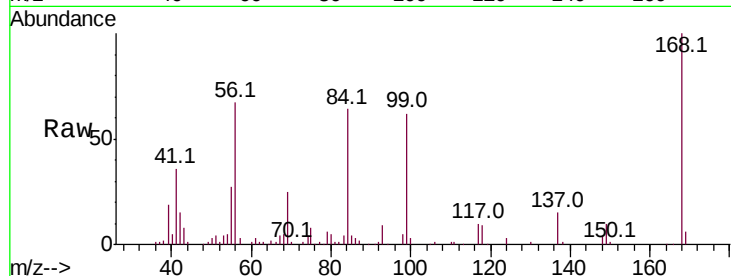




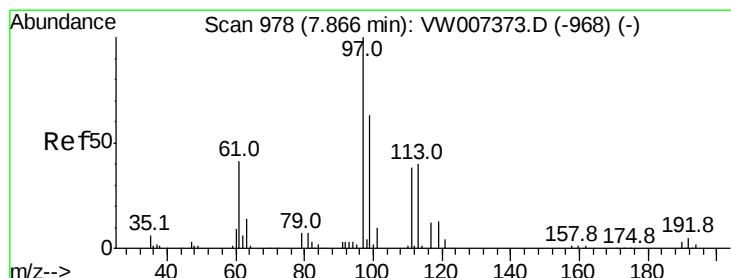
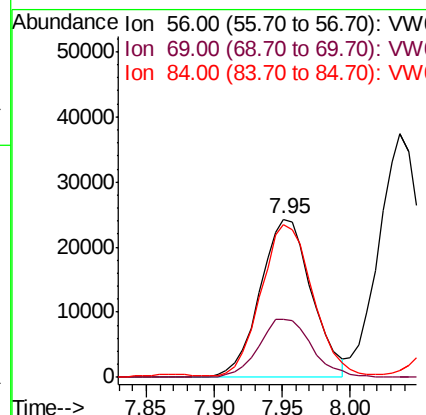
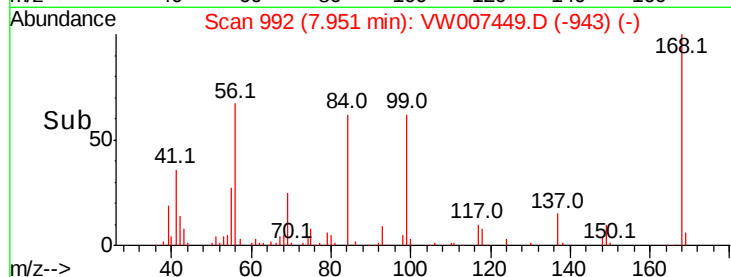
#31
Cyclohexane
Concen: 45.039 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 64194
Ion Ratio Lower Upper
56 100
69 37.0 28.9 43.3
84 95.0 71.8 107.6

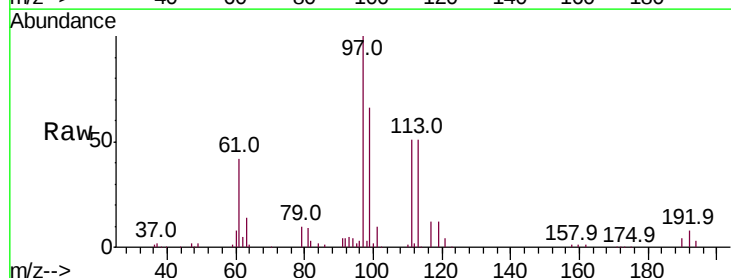


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

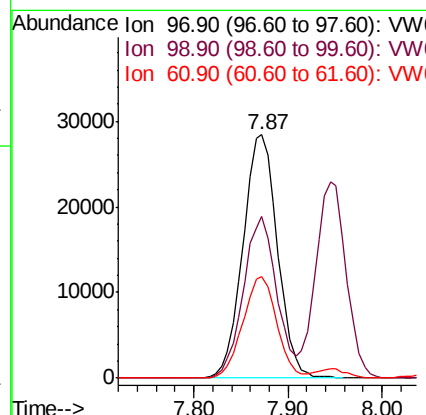
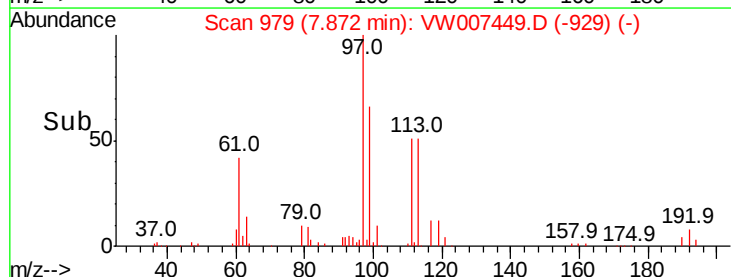


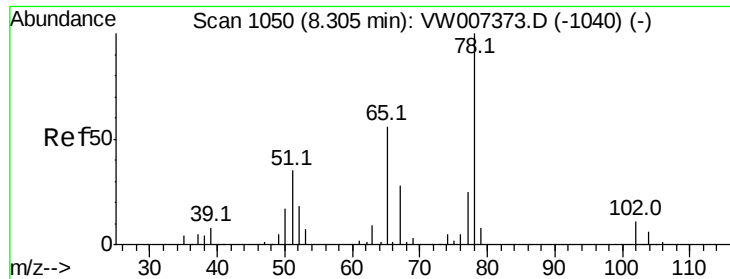
#32
1,1,1-Trichloroethane
Concen: 49.104 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 97 Resp: 72796
Ion Ratio Lower Upper
97 100
99 64.2 51.1 76.7
61 41.4 33.2 49.8



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

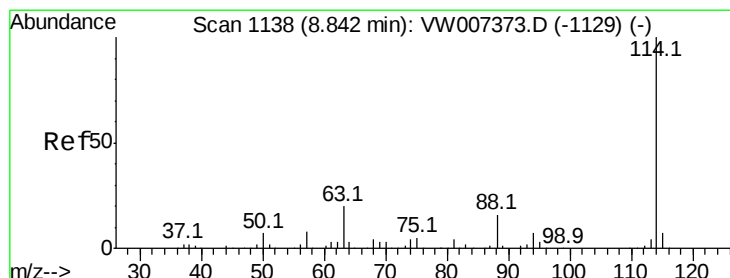
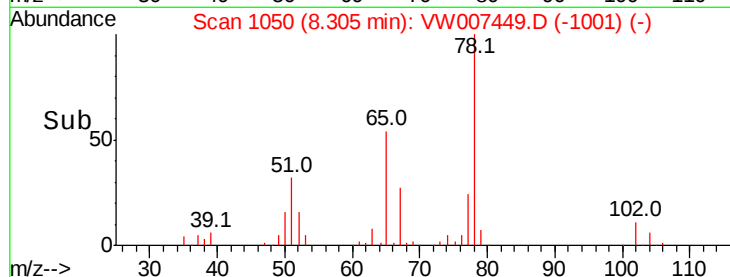
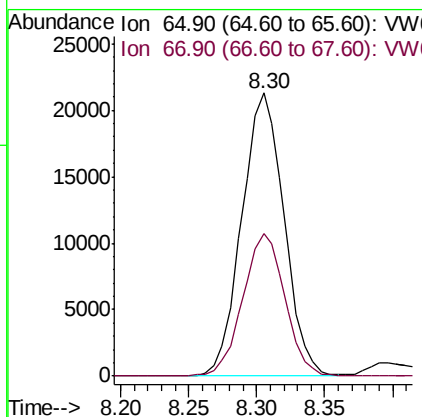
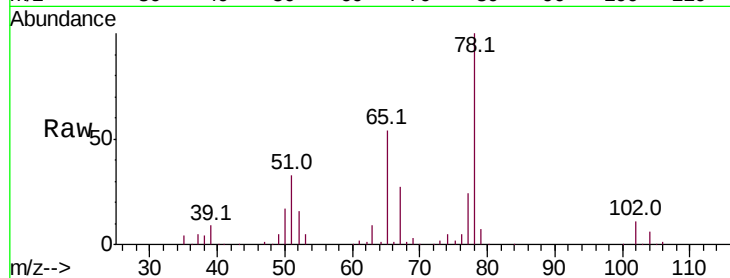




#33
 1,2-Dichloroethane-d4
 Concen: 50.449 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

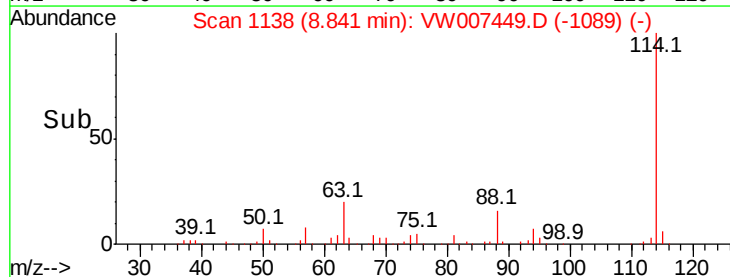
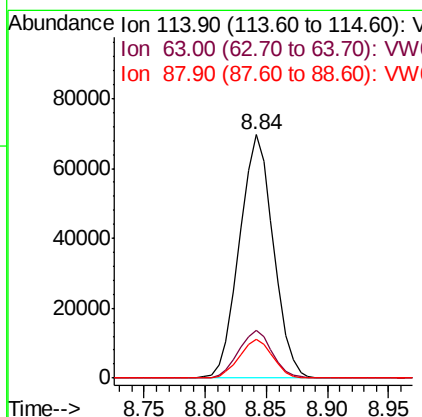
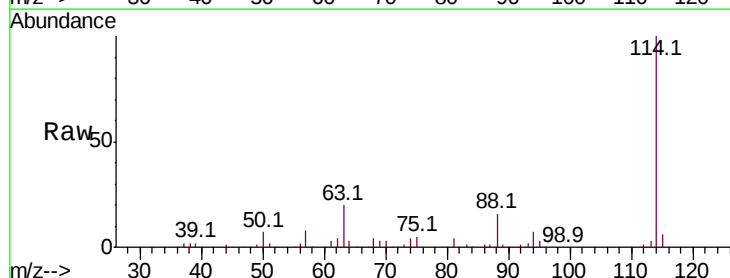
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

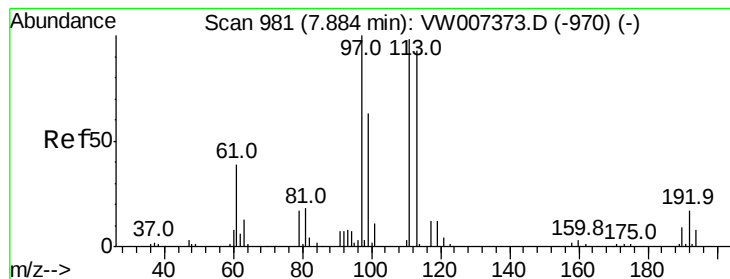
Tot Ion: 65 Resp: 46286
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 114 Resp: 134259
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.6
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.372 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

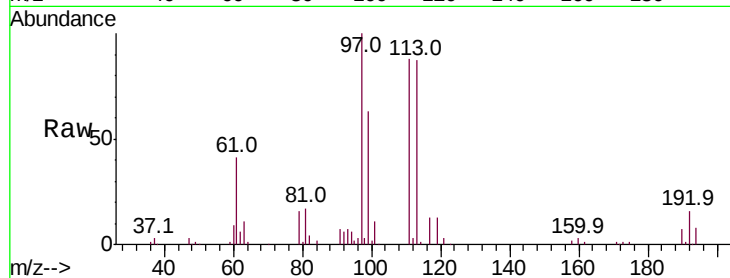
Tot Ion:113 Resp: 42564

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

192 18.3 14.6 21.8

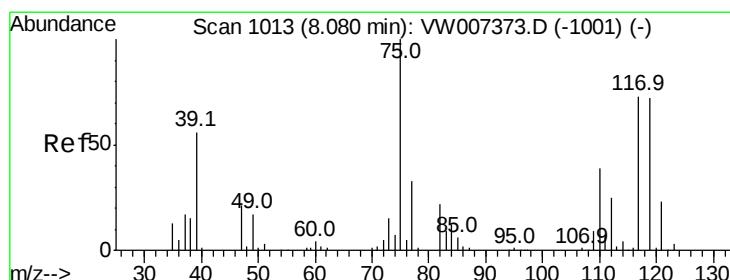
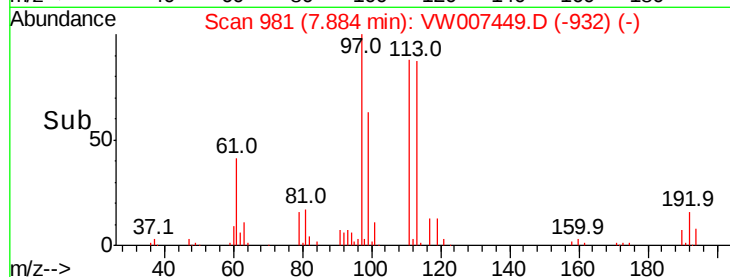
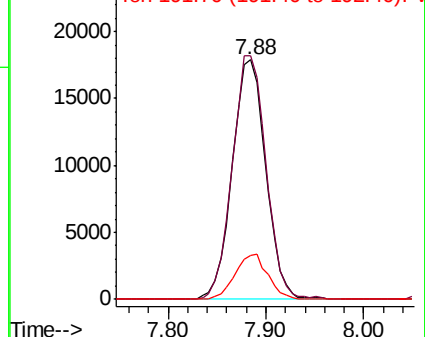


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.365 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

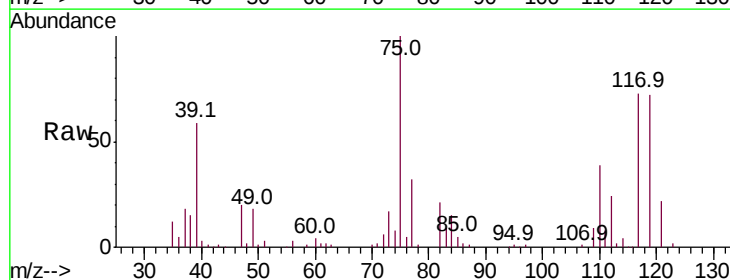
Tgt Ion: 75 Resp: 62910

Ion Ratio Lower Upper

75 100

110 38.1 18.5 55.5

77 31.5 25.6 38.4

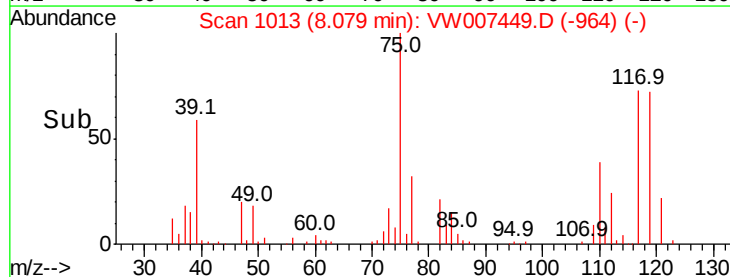
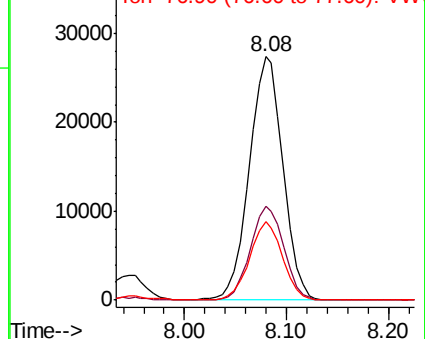


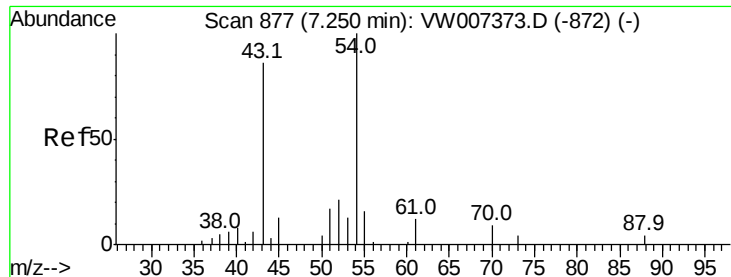
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

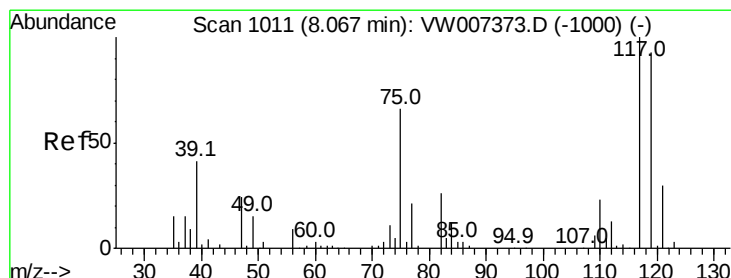
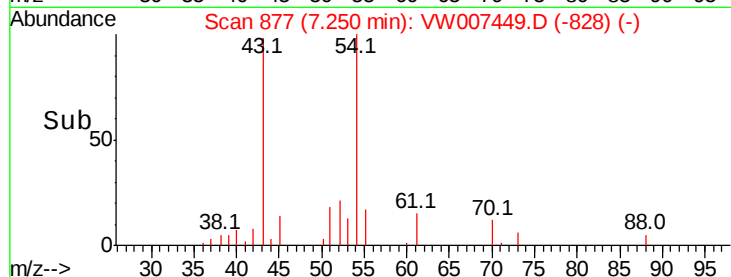
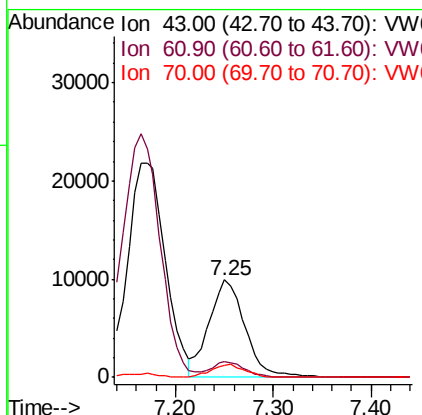
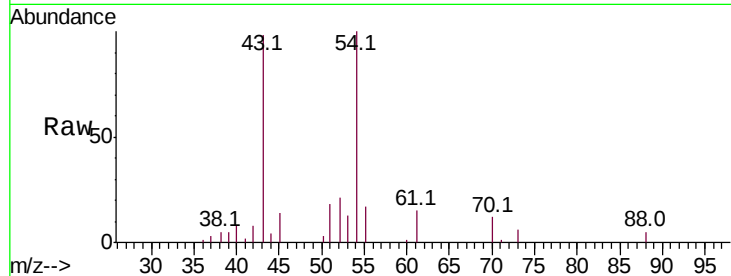




#37
Ethyl Acetate
Concen: 55.744 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

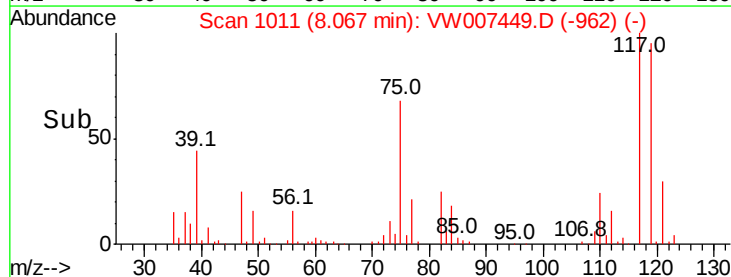
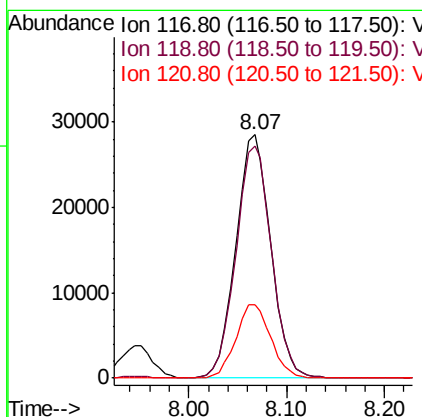
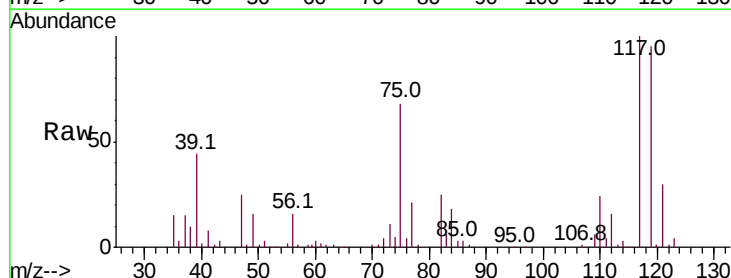
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

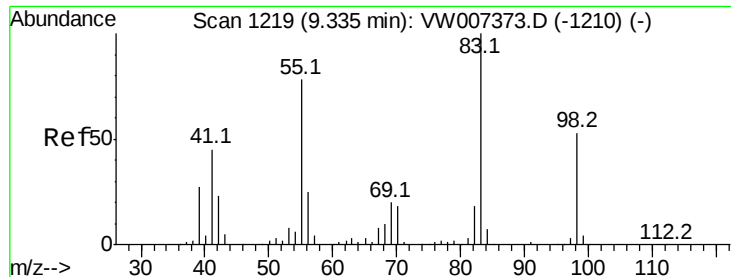
Tot Ion: 43 Resp: 25393
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 12.3 10.0 15.0



#38
Carbon Tetrachloride
Concen: 52.871 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 117 Resp: 70458
Ion Ratio Lower Upper
117 100
119 95.3 74.3 111.5
121 30.1 24.3 36.5

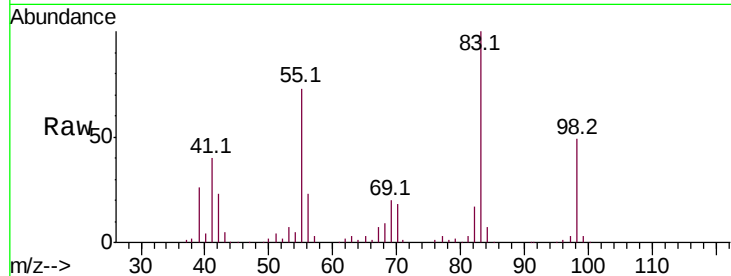




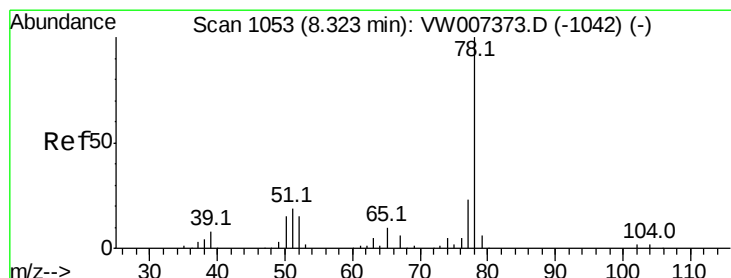
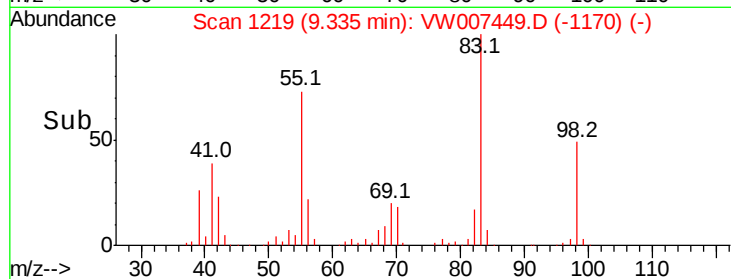
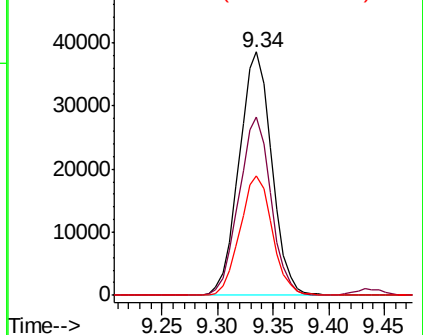
#39
Methvlcvclohexane
Concen: 52.814 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 78326
Ion Ratio Lower Upper
83 100
55 73.0 62.8 94.2
98 48.9 42.2 63.2

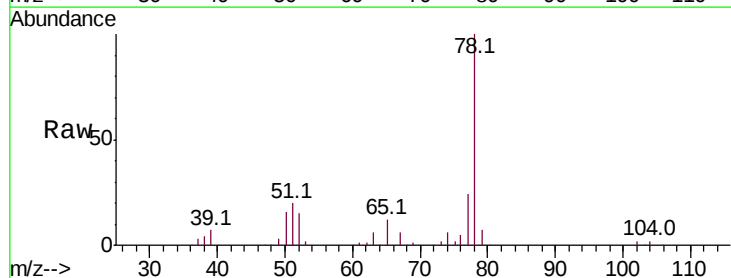


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

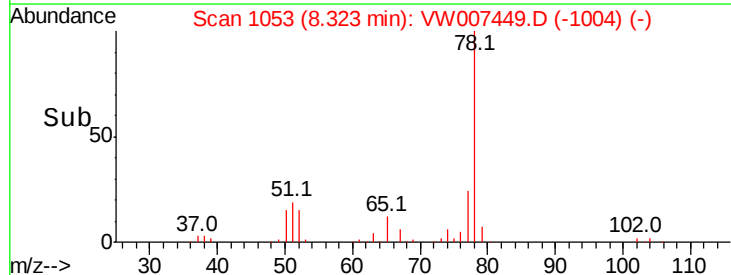
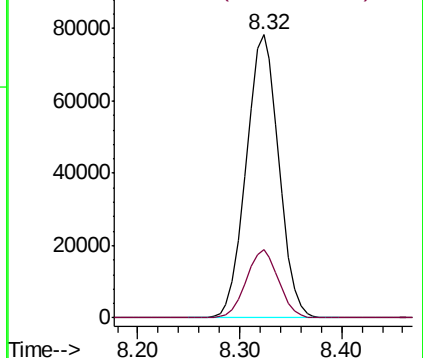


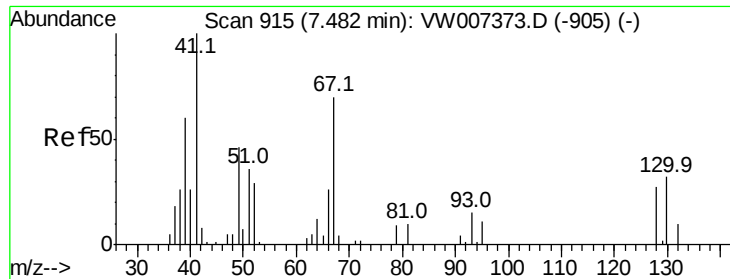
#40
Benzene
Concen: 51.310 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 78 Resp: 174398
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



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





#41

Methacrylonitrile

Concen: 56.776 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 14728

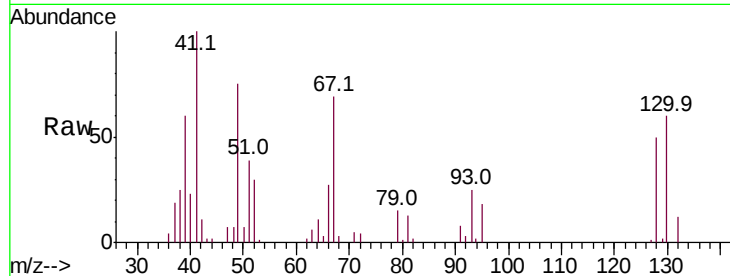
Ion Ratio Lower Upper

41 100

39 60.4 52.2 78.2

67 79.0 60.5 90.7

52 33.8 25.3 37.9

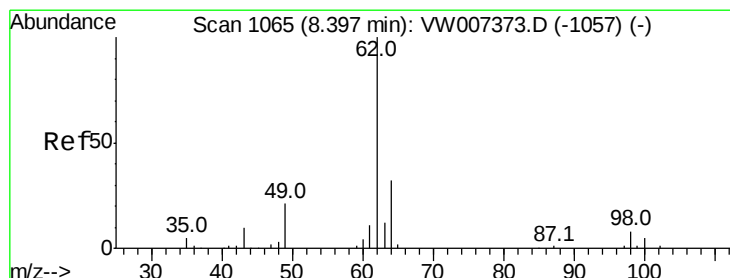
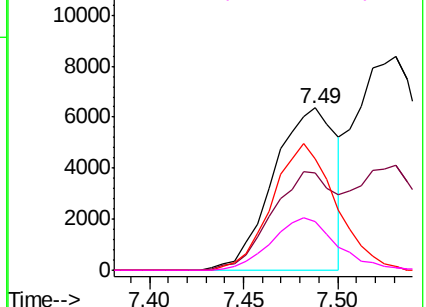
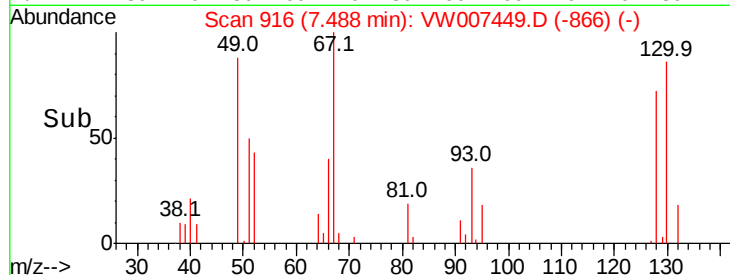


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 54.184 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW007449.D

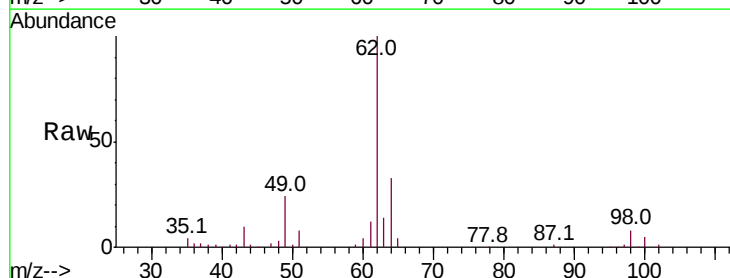
Acq: 12 Dec 2018 20:11

Tgt Ion: 62 Resp: 57852

Ion Ratio Lower Upper

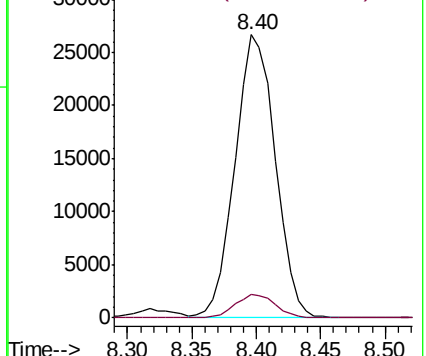
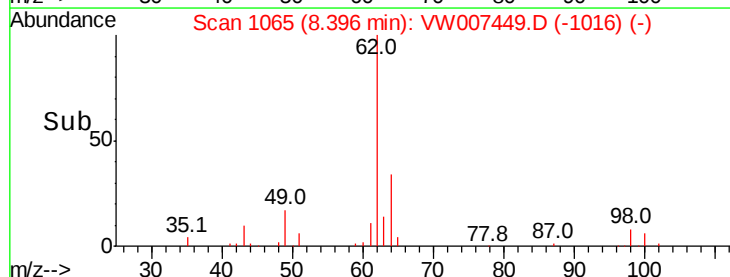
62 100

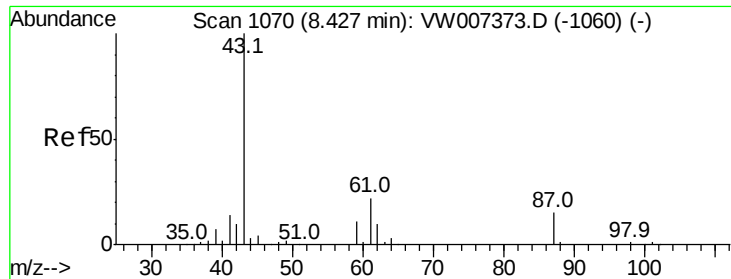
98 8.3 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 56.893 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

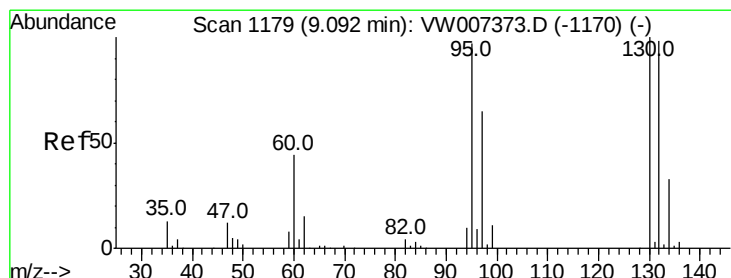
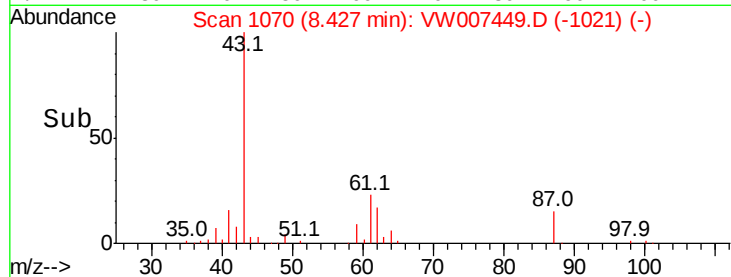
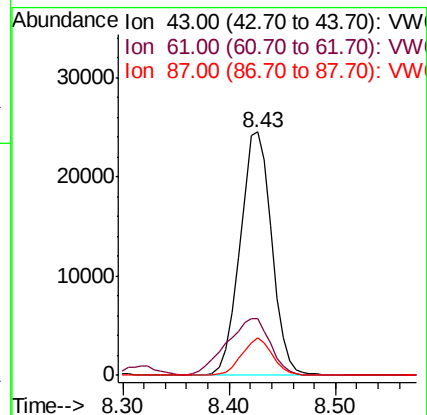
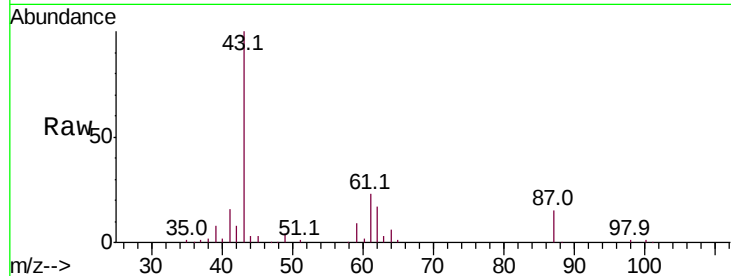
Tot Ion: 43 Resp: 51193

Ion Ratio Lower Upper

43 100

61 32.0 25.3 37.9

87 14.8 11.8 17.8



#44

Trichloroethene

Concen: 52.485 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007449.D

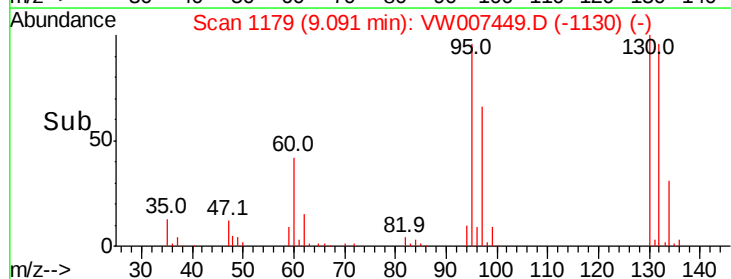
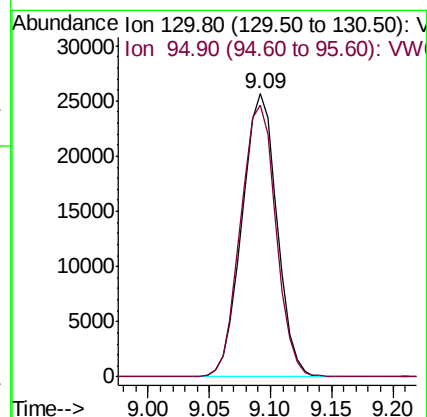
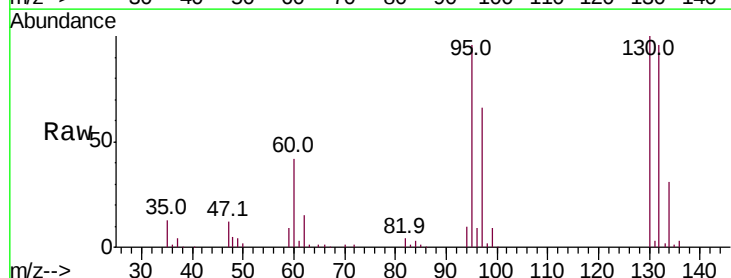
Acq: 12 Dec 2018 20:11

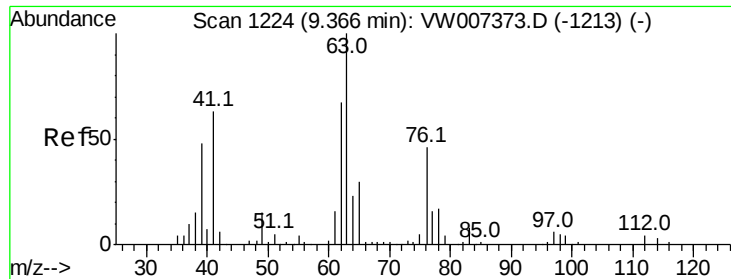
Tgt Ion: 130 Resp: 50941

Ion Ratio Lower Upper

130 100

95 95.9 0.0 193.2





#45

1,2-Dichloropropane

Concen: 52.366 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

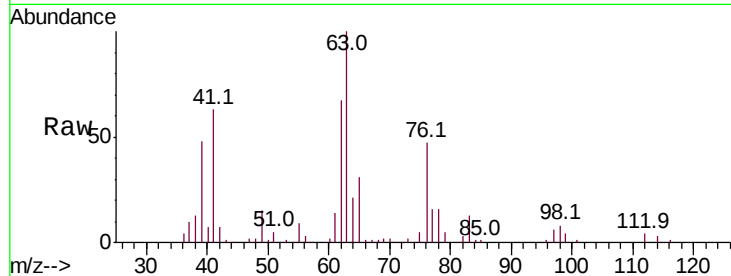
VSTDCCC050

Tot Ion: 63 Resp: 41188

Ion Ratio Lower Upper

63 100

65 30.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

25000

20000

15000

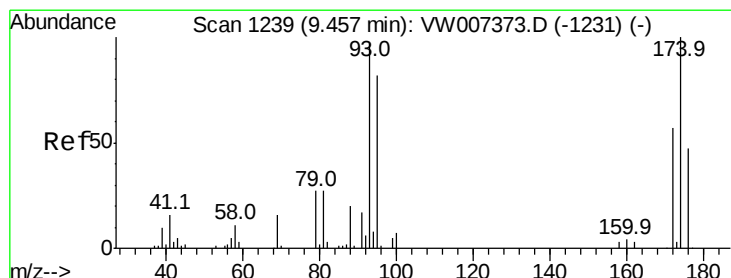
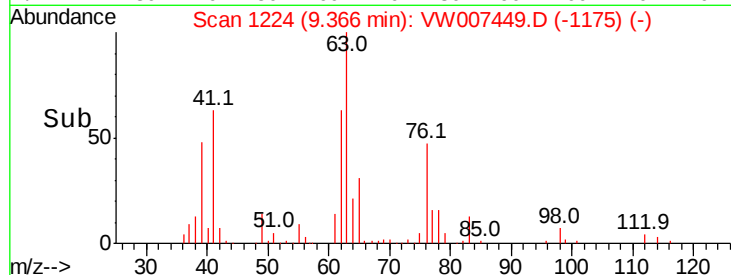
10000

5000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 54.989 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

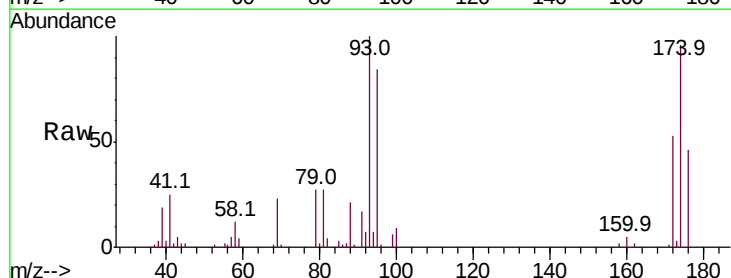
Tgt Ion: 93 Resp: 24562

Ion Ratio Lower Upper

93 100

95 84.5 68.0 102.0

174 99.8 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

15000

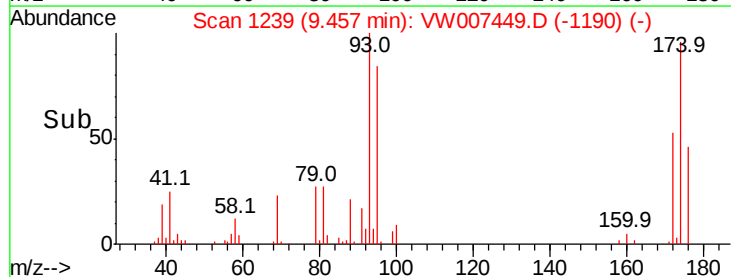
10000

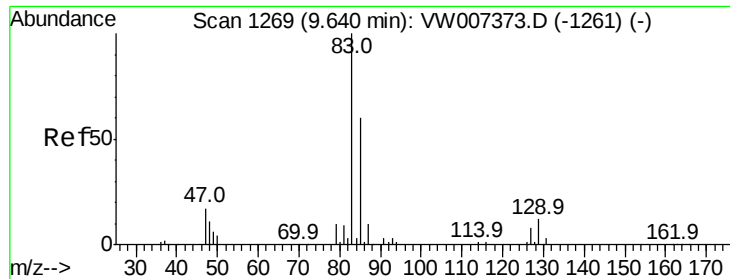
5000

0

9.40 9.45 9.50

Time-->

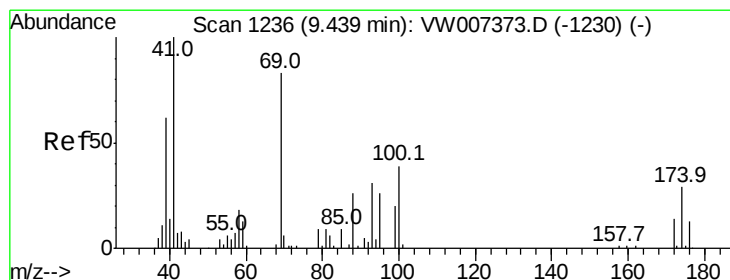
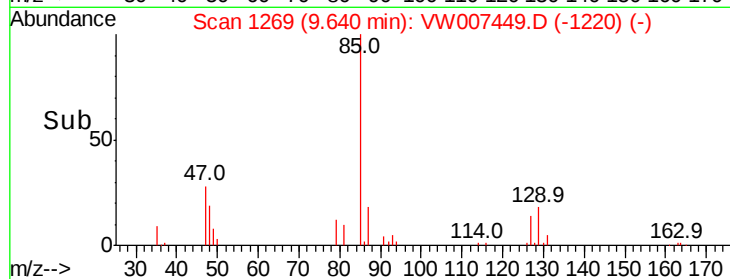
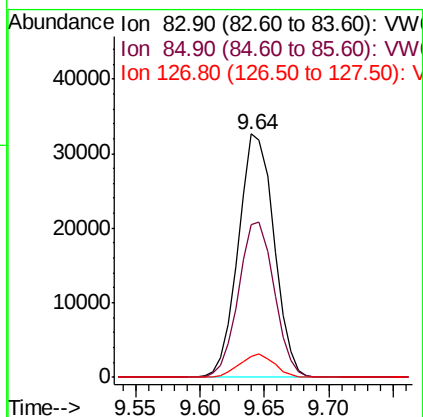
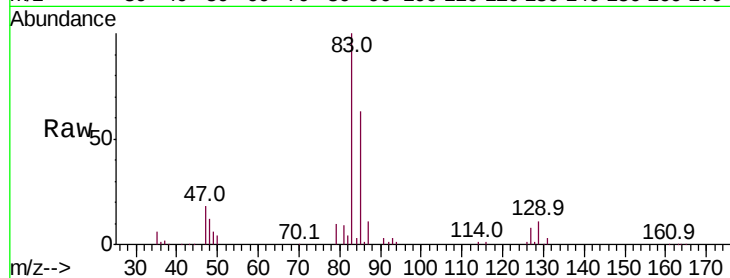




#47
 Bromodichloromethane
 Concen: 53.535 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

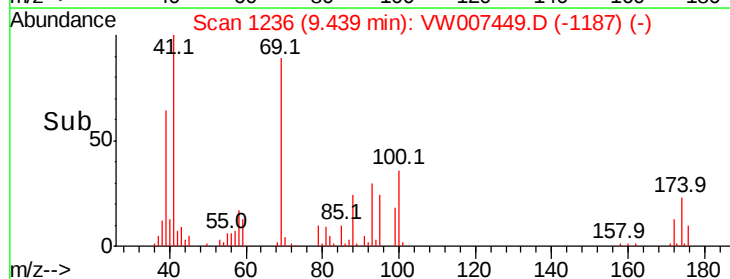
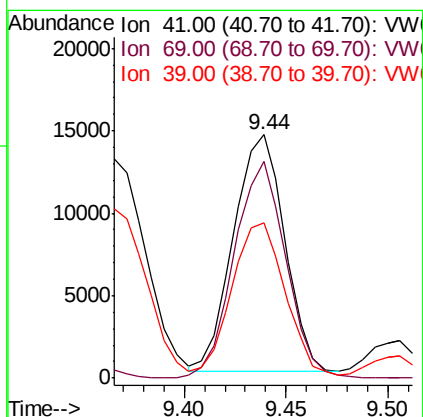
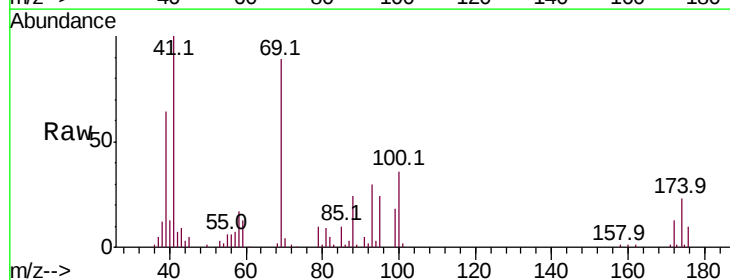
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

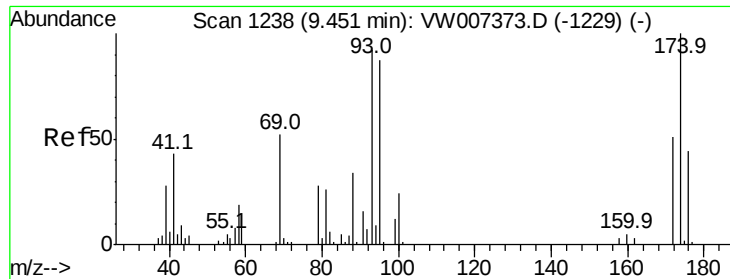
Tot Ion: 83 Resp: 62723
 Ion Ratio Lower Upper
 83 100
 85 62.6 47.6 71.4
 127 8.4 6.7 10.1



#48
 Methyl methacrylate
 Concen: 53.983 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 41 Resp: 24947
 Ion Ratio Lower Upper
 41 100
 69 92.9 69.8 104.8
 39 66.4 50.9 76.3

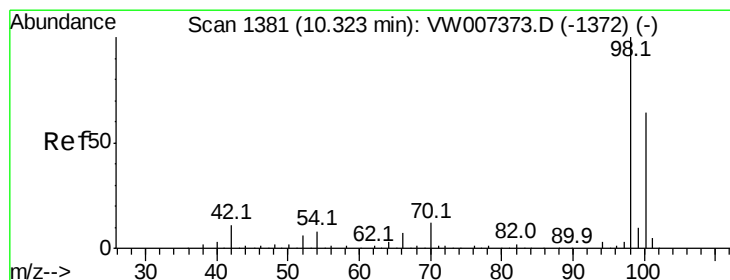
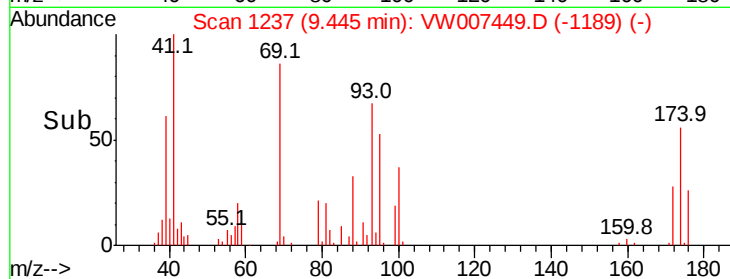
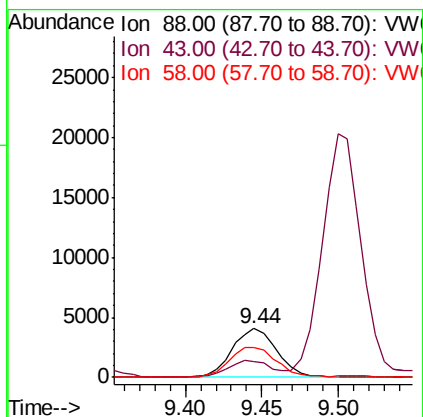
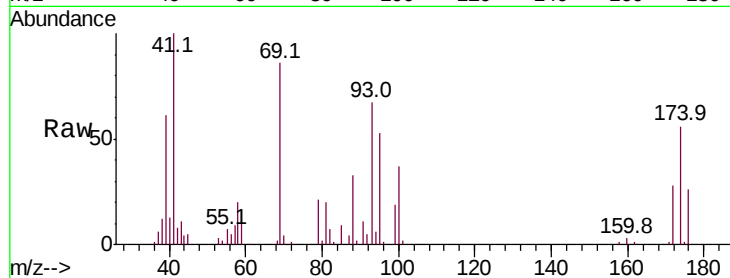




#49
 1,4-Dioxane
 Concen: 1130.732 ug/l
 RT: 9.44 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

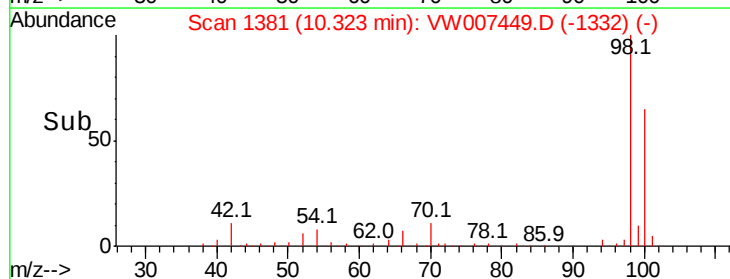
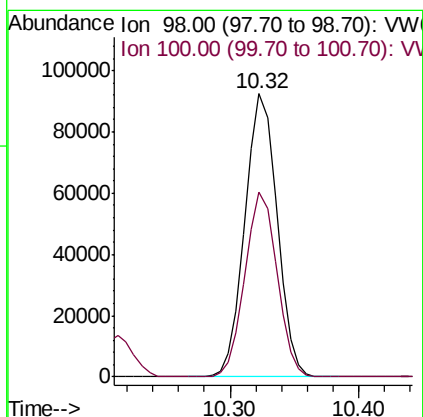
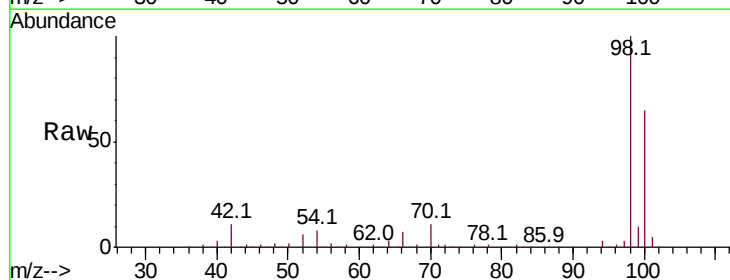
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

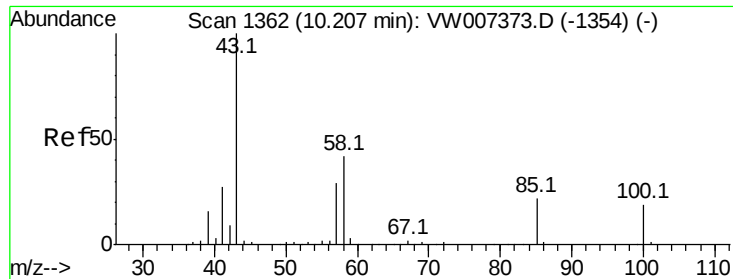
Tot Ion: 88 Resp: 8195
 Ion Ratio Lower Upper
 88 100
 43 33.3 25.0 37.4
 58 66.2 51.4 77.2



#50
 Toluene-d8
 Concen: 52.520 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 98 Resp: 160043
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.8 77.8





#51

4-Methyl-2-Pentanone

Concen: 299.681 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

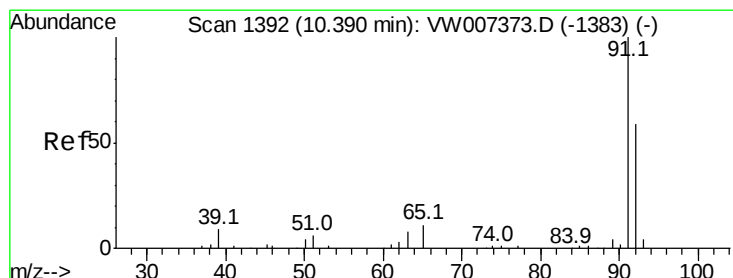
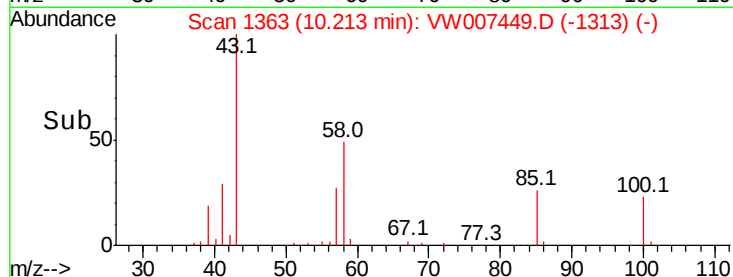
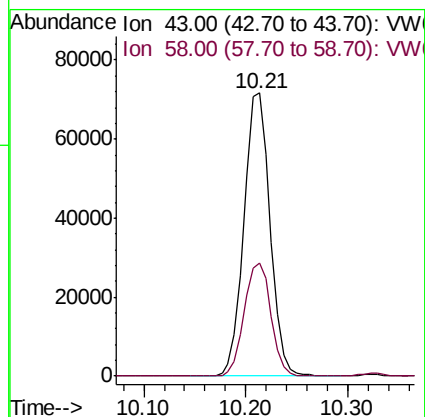
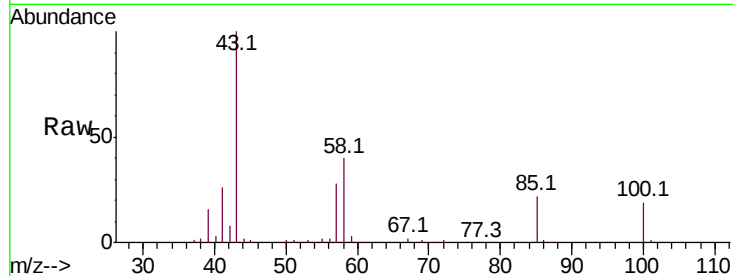
VSTDCCC050

Tot Ion: 43 Resp: 127413

Ion Ratio Lower Upper

43 100

58 40.8 33.1 49.7



#52

Toluene

Concen: 53.052 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007449.D

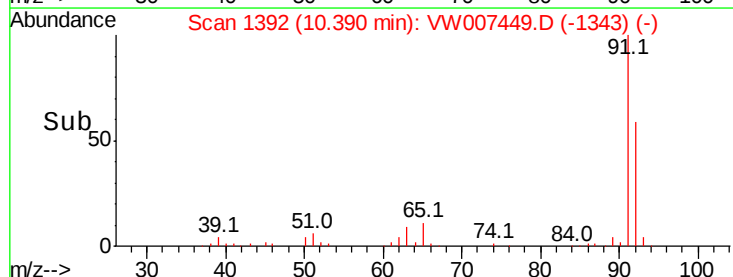
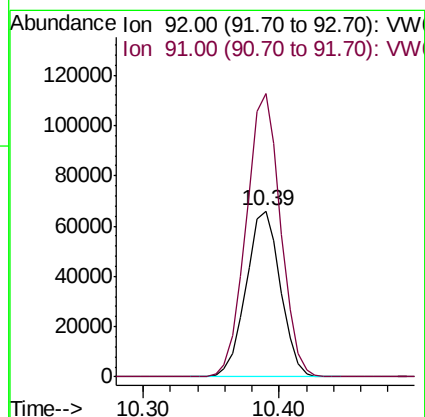
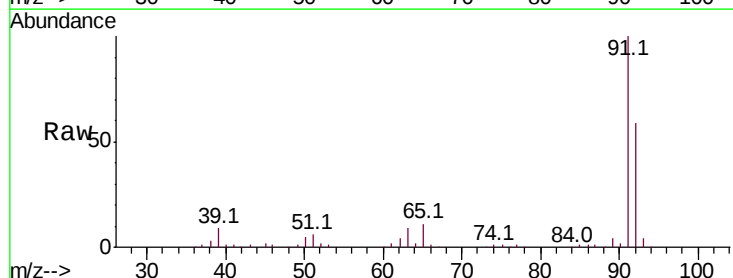
Acq: 12 Dec 2018 20:11

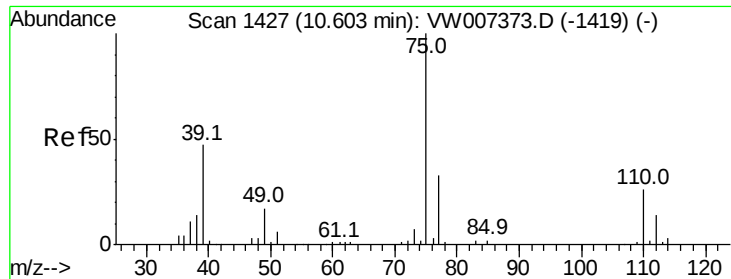
Tgt Ion: 92 Resp: 116693

Ion Ratio Lower Upper

92 100

91 170.3 136.2 204.2

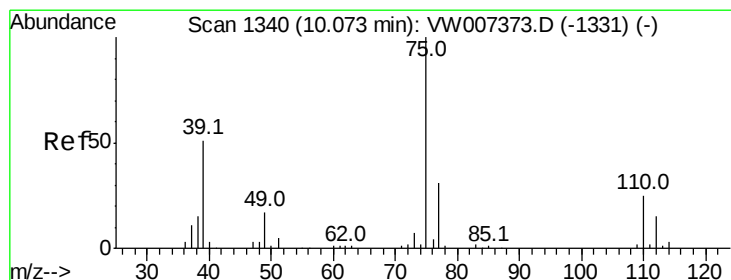
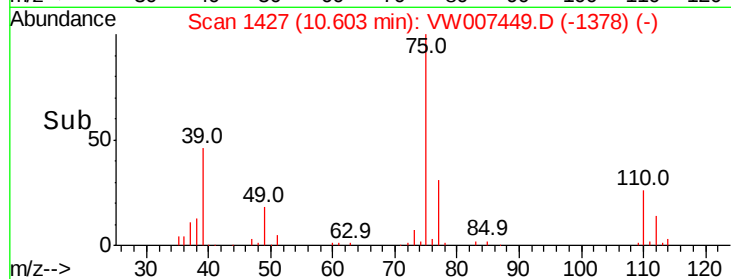
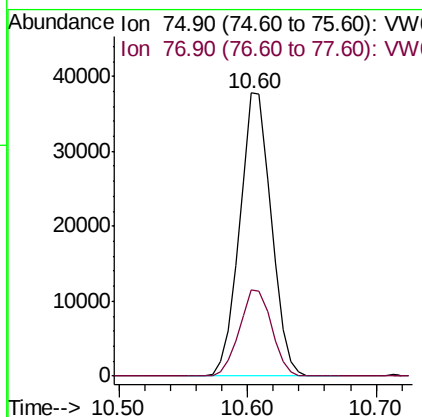
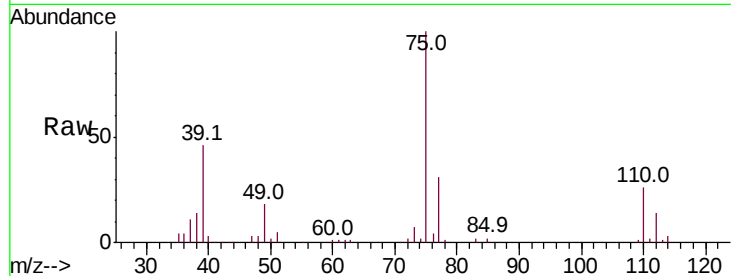




#53
 t-1,3-Dichloropropene
 Concen: 56.281 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

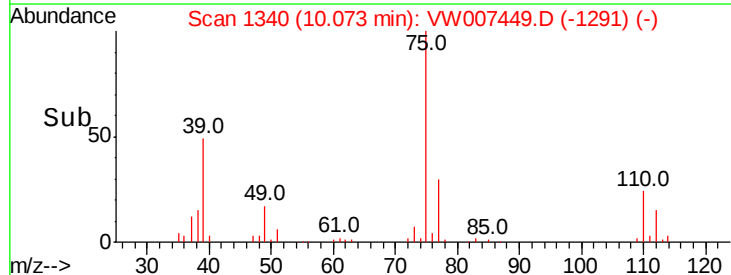
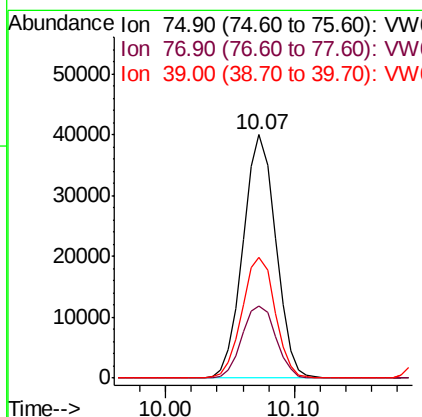
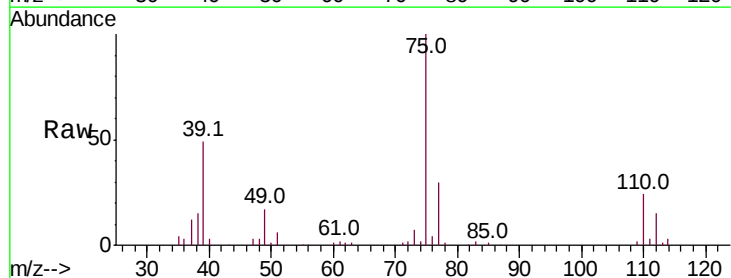
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

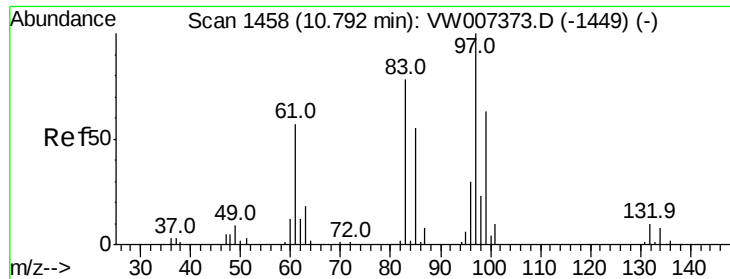
Tot Ion: 75 Resp: 64016
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.2 39.4



#54
 cis-1,3-Dichloropropene
 Concen: 53.441 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 75 Resp: 70270
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.8 37.2
 39 49.4 40.9 61.3

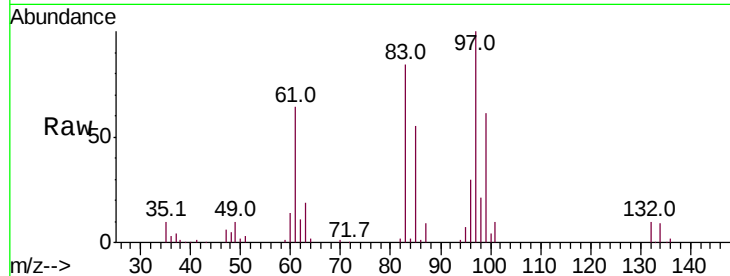




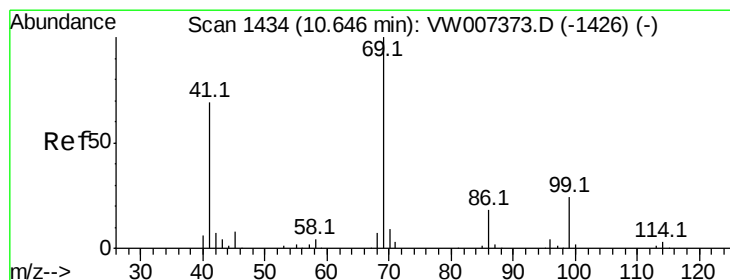
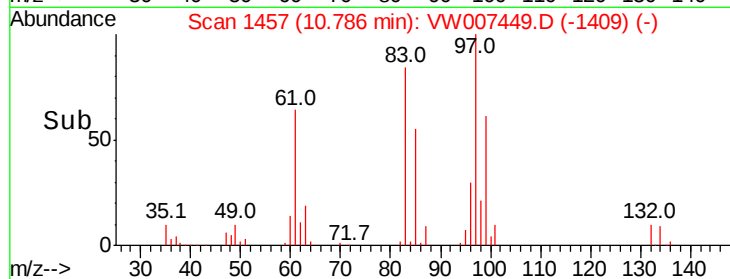
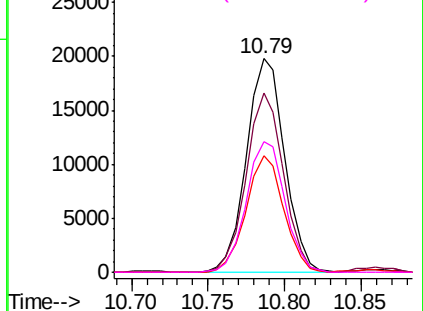
#55
 1,1,2-Trichloroethane
 Concen: 56.460 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 34323
 Ion Ratio Lower Upper
 97 100
 83 84.0 62.1 93.1
 85 54.6 44.2 66.4
 99 61.2 50.2 75.4

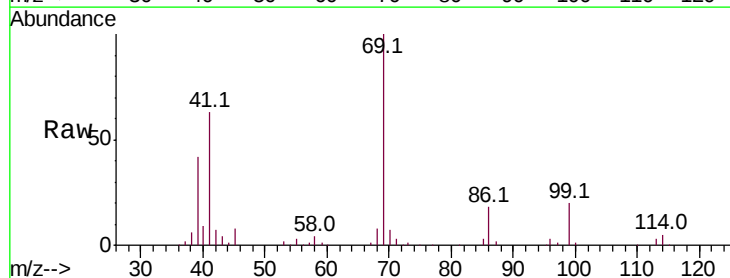


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

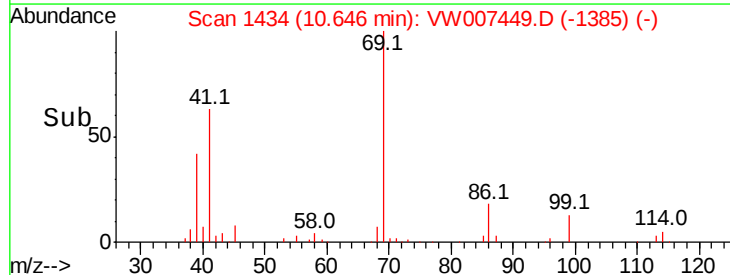
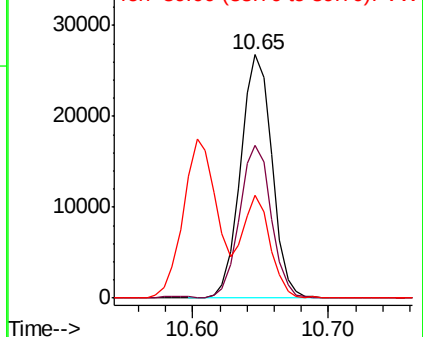


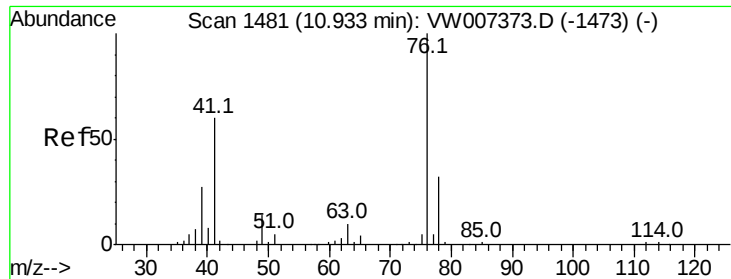
#56
 Ethyl methacrylate
 Concen: 59.021 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 69 Resp: 43126
 Ion Ratio Lower Upper
 69 100
 41 63.6 51.0 76.6
 39 37.5 30.8 46.2



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





#57

1,3-Dichloropropane

Concen: 57.697 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

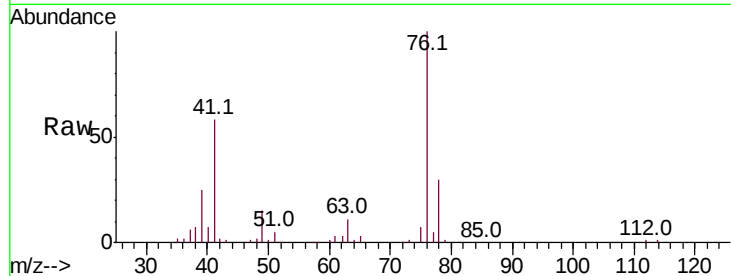
VSTDCCC050

Tot Ion: 76 Resp: 57571

Ion Ratio Lower Upper

76 100

78 31.2 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

30000

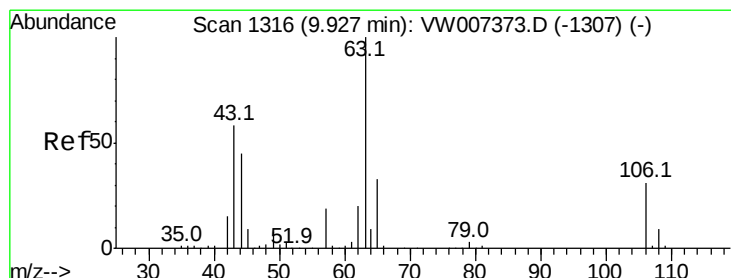
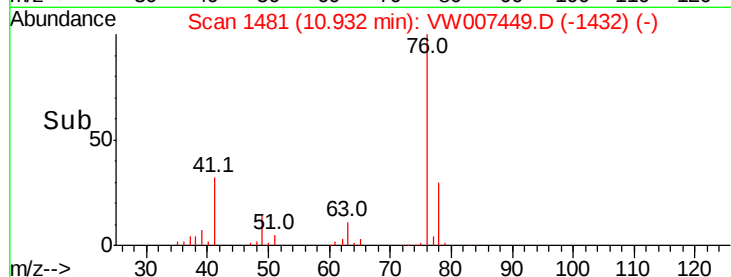
20000

10000

0

Time-->

10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 270.049 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007449.D

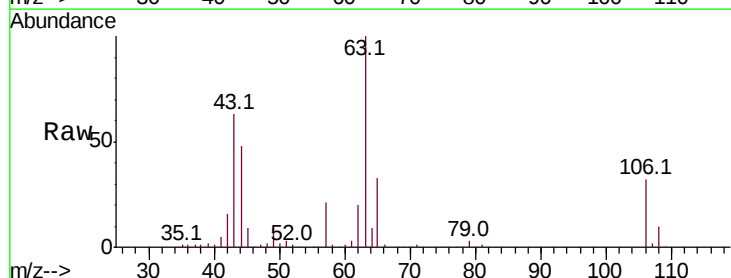
Acq: 12 Dec 2018 20:11

Tgt Ion: 63 Resp: 90995

Ion Ratio Lower Upper

63 100

106 31.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.93

60000

50000

40000

30000

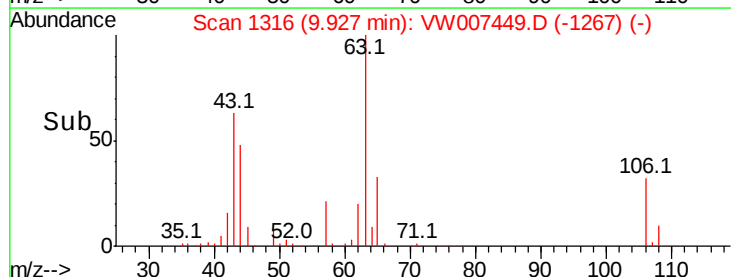
20000

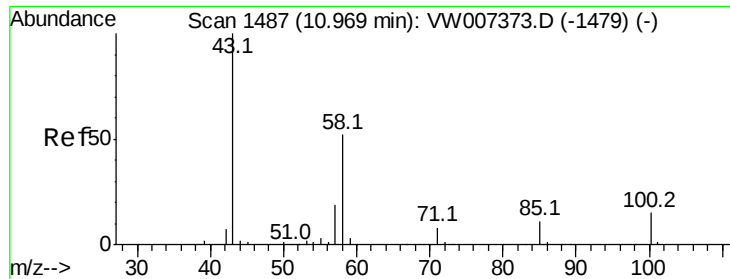
10000

0

Time-->

9.90 10.00





#59

2-Hexanone

Concen: 319.886 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

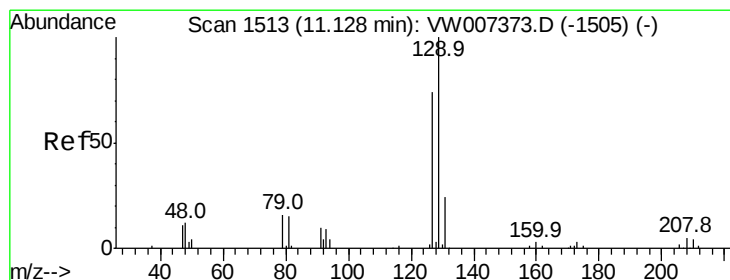
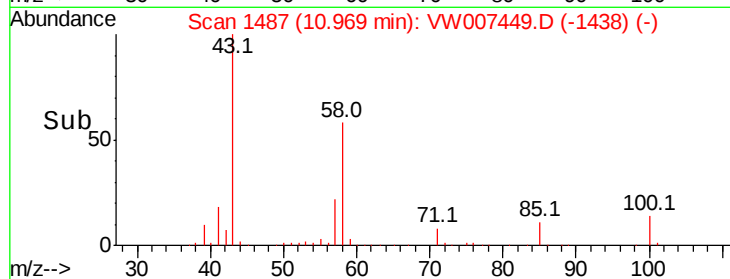
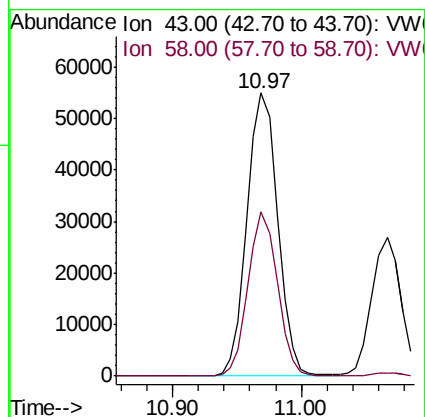
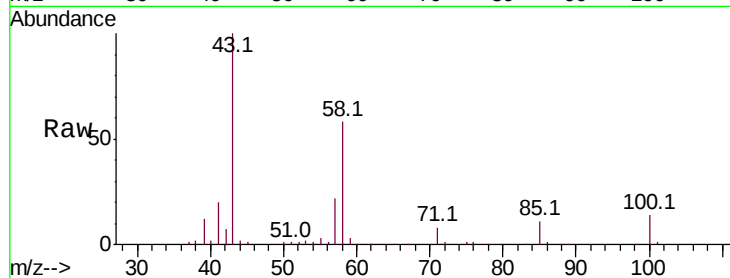
VSTDCCC050

Tot Ion: 43 Resp: 90687

Ion Ratio Lower Upper

43 100

58 55.4 27.1 81.3



#60

Dibromochloromethane

Concen: 57.471 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007449.D

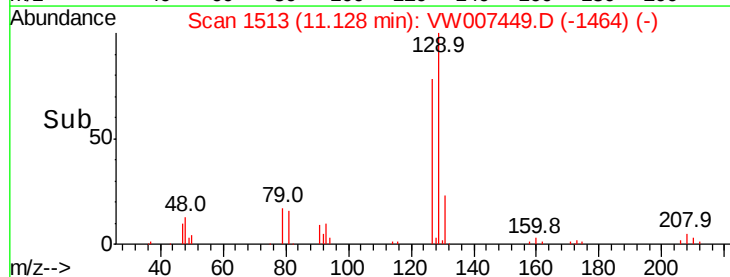
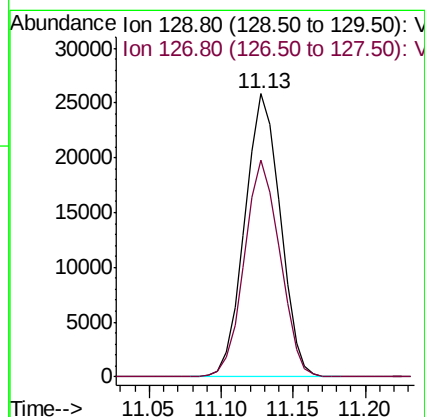
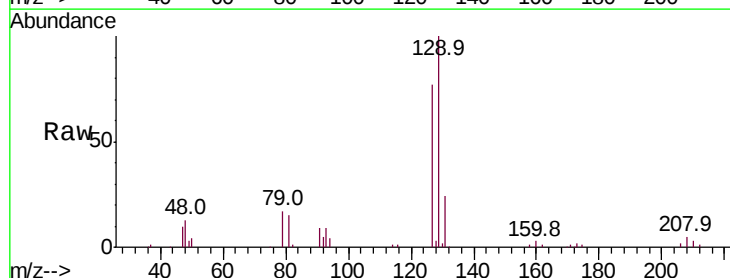
Acq: 12 Dec 2018 20:11

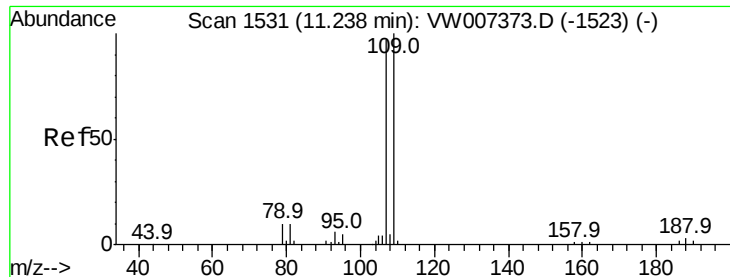
Tgt Ion: 129 Resp: 44091

Ion Ratio Lower Upper

129 100

127 76.9 38.1 114.3

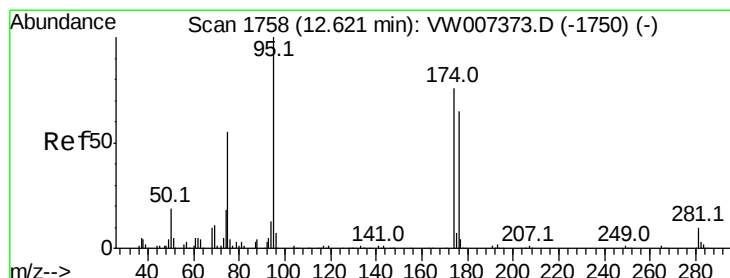
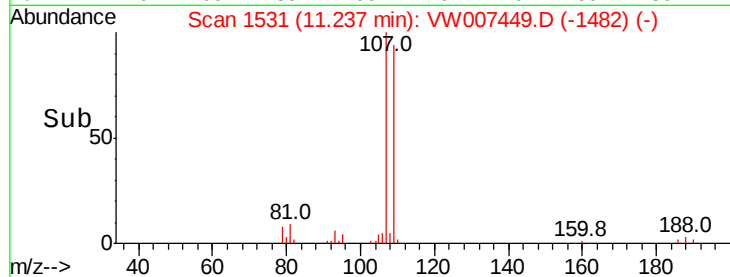
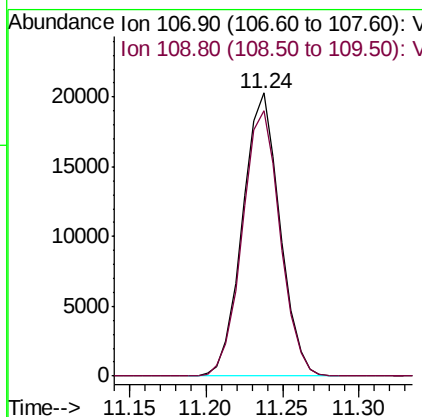
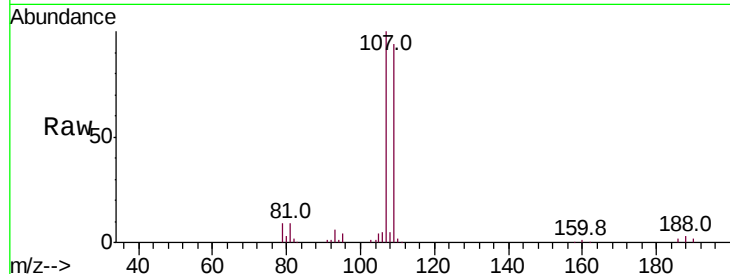




#61
 1,2-Dibromoethane
 Concen: 57.169 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

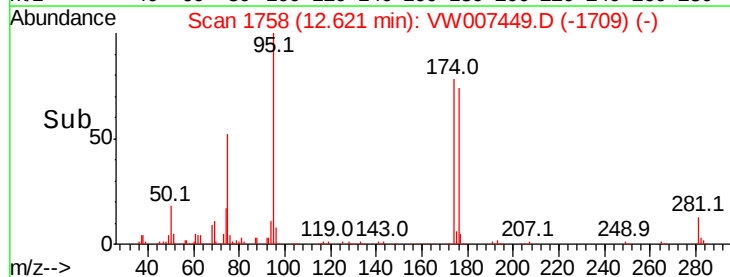
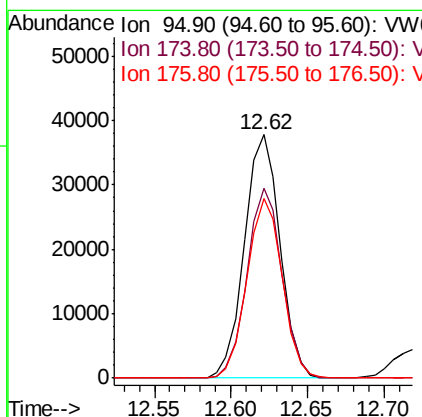
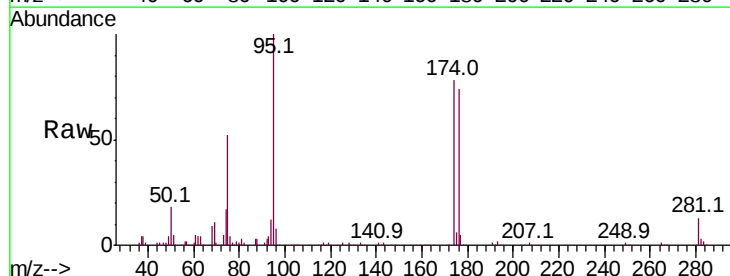
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

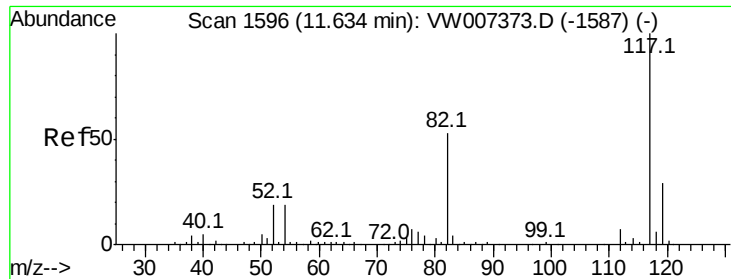
Tot Ion:107 Resp: 34345
 Ion Ratio Lower Upper
 107 100
 109 95.1 79.1 118.7



#62
 4-Bromofluorobenzene
 Concen: 54.432 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 95 Resp: 60986
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 147.2
 176 73.2 0.0 138.8

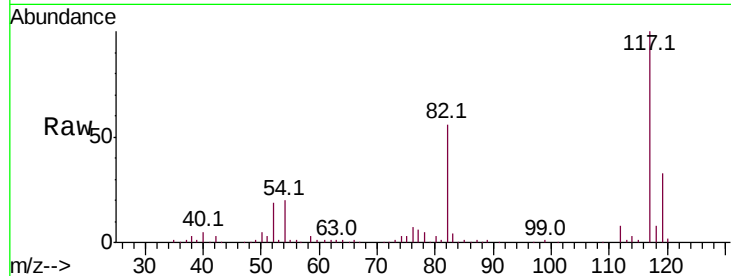




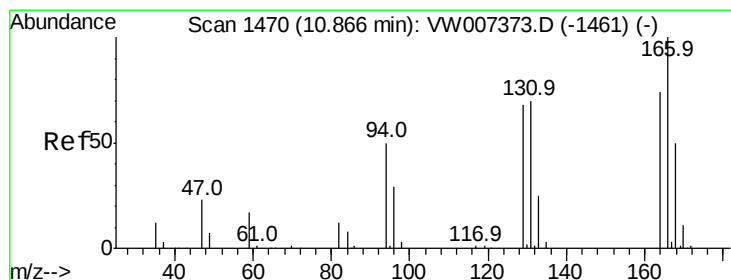
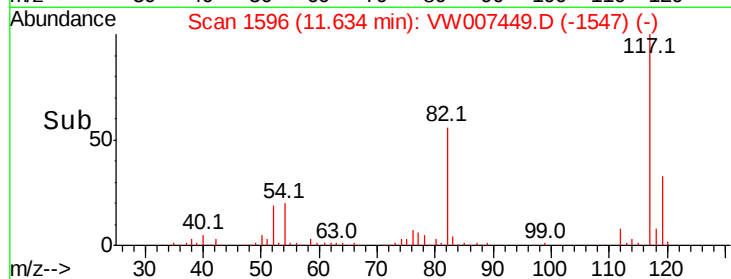
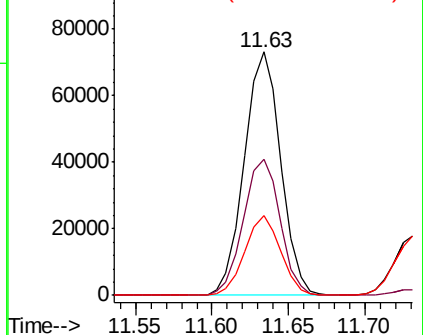
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 121538
Ion Ratio Lower Upper
117 100
82 56.0 42.3 63.5
119 32.6 23.0 34.6

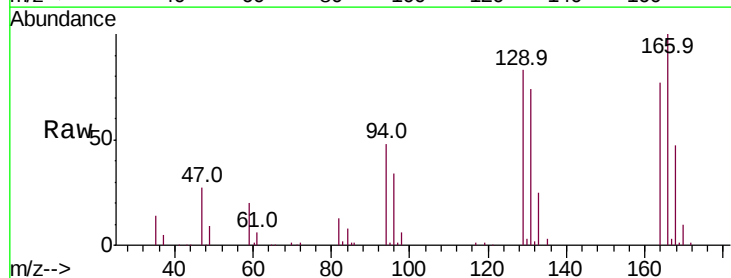


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

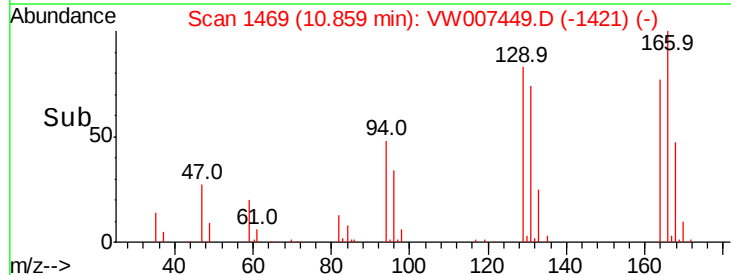
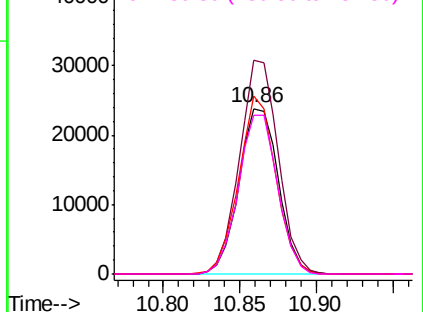


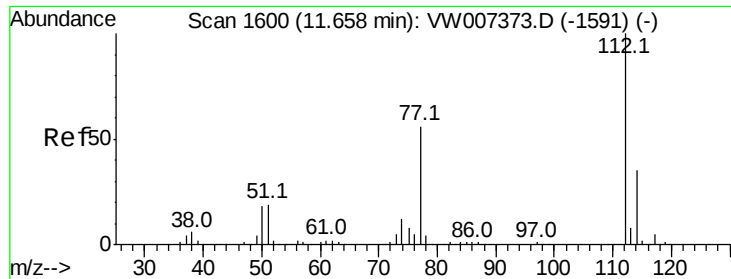
#64
Tetrachloroethene
Concen: 48.839 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion:164 Resp: 42686
Ion Ratio Lower Upper
164 100
166 129.1 107.9 161.9
129 107.3 73.4 110.2
131 95.9 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

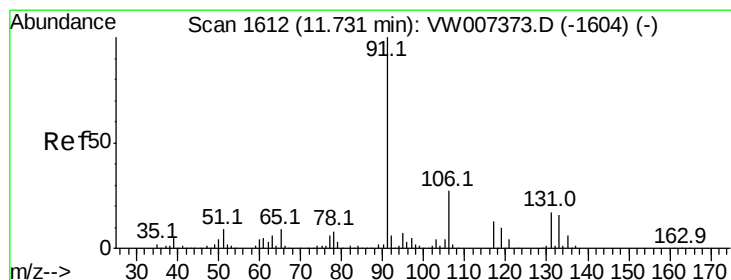
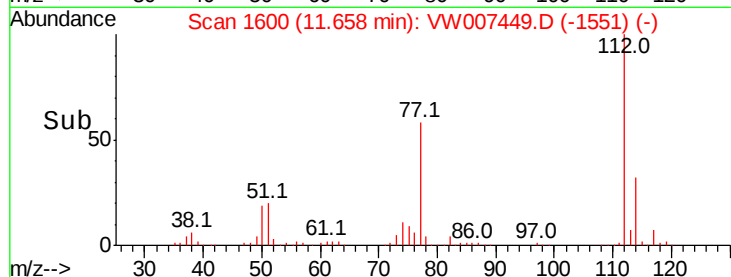
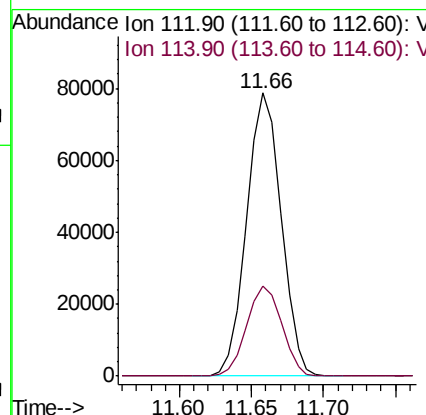
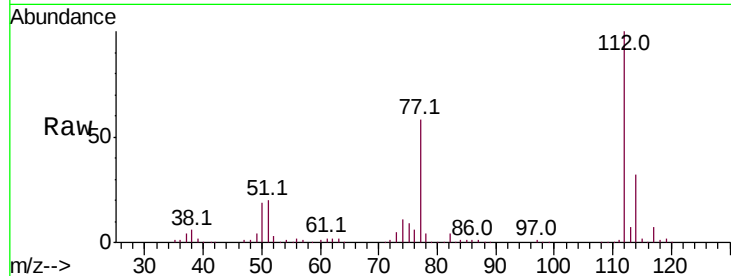




#65
Chlorobenzene
Concen: 51.764 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

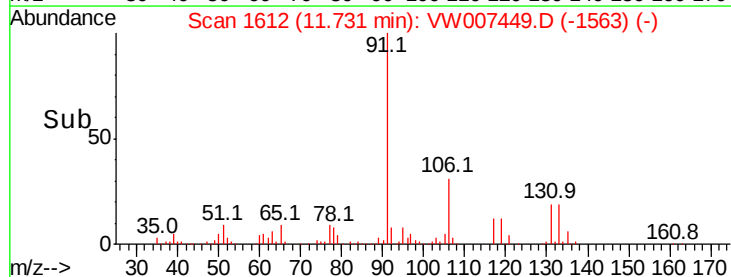
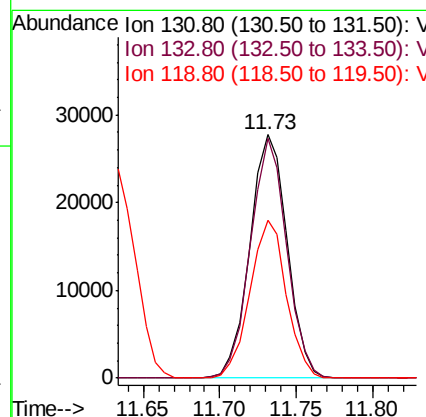
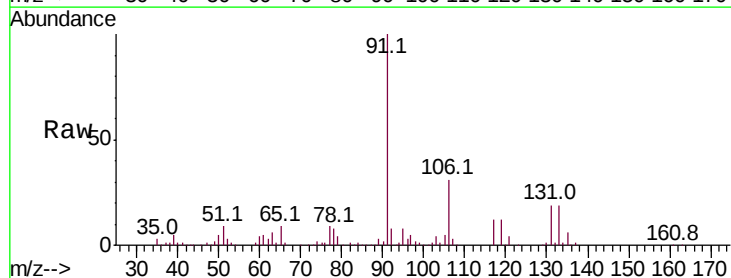
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

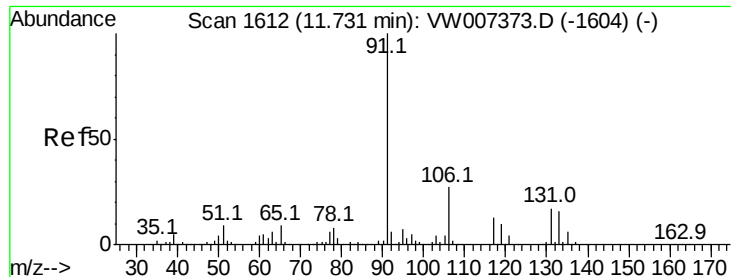
Tot Ion:112 Resp: 131130
Ion Ratio Lower Upper
112 100
114 32.0 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.756 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion:131 Resp: 47069
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.4
119 63.4 31.3 93.9

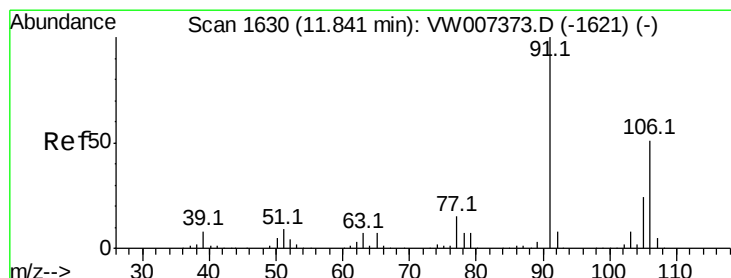
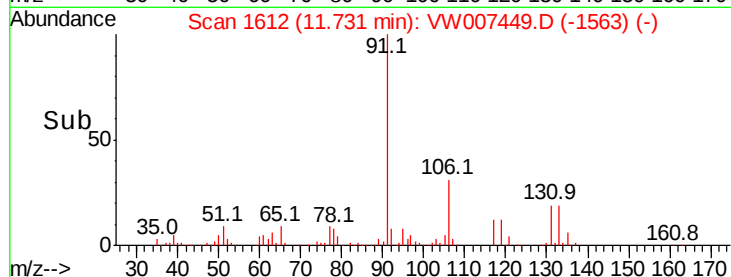
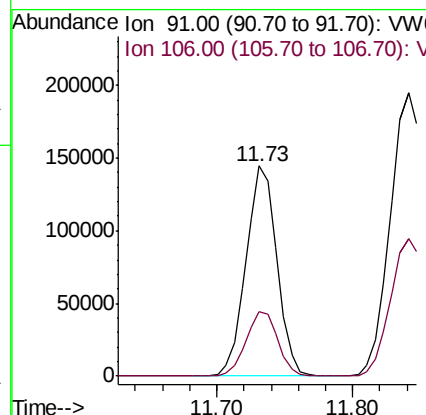
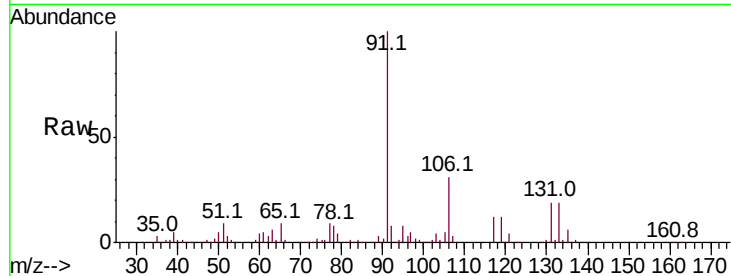




#67
Ethyl Benzene
Concen: 52.744 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

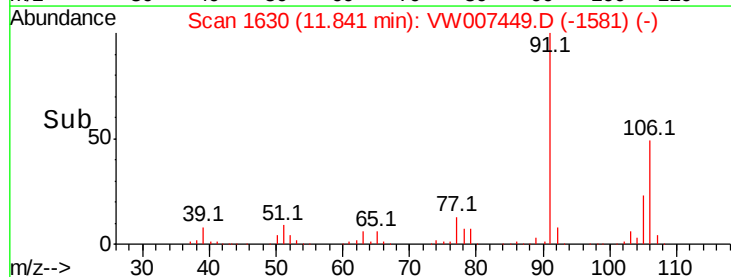
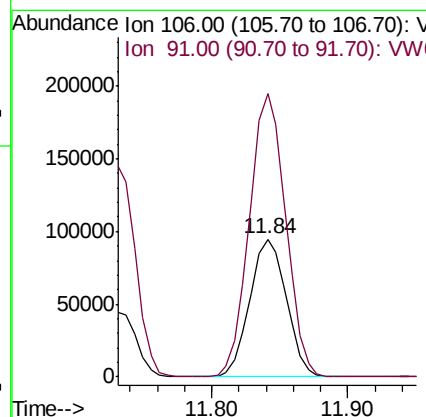
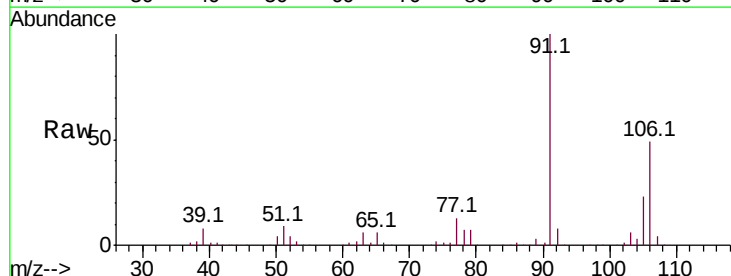
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

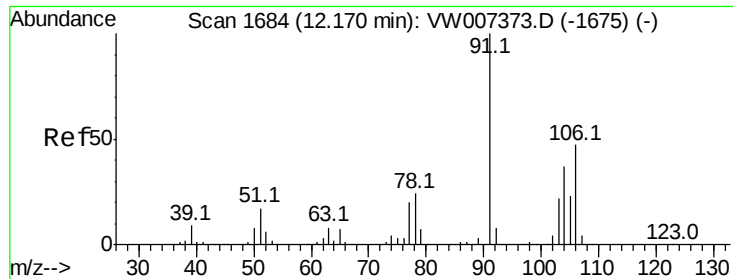
Tot Ion: 91 Resp: 229716
Ion Ratio Lower Upper
91 100
106 30.8 21.8 32.8



#68
m/p-Xylenes
Concen: 105.754 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 106 Resp: 179060
Ion Ratio Lower Upper
106 100
91 203.8 165.3 247.9

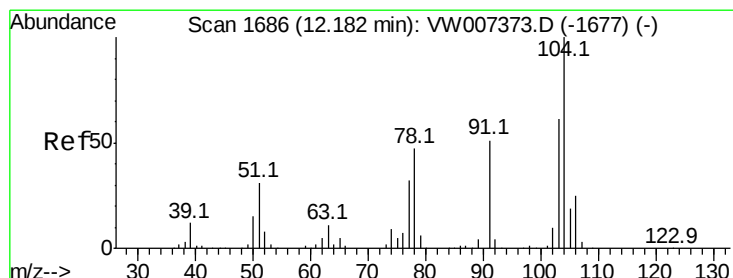
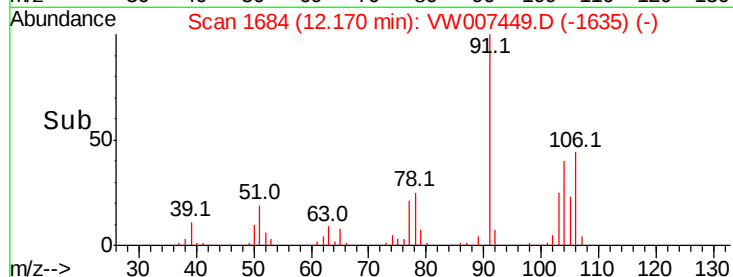
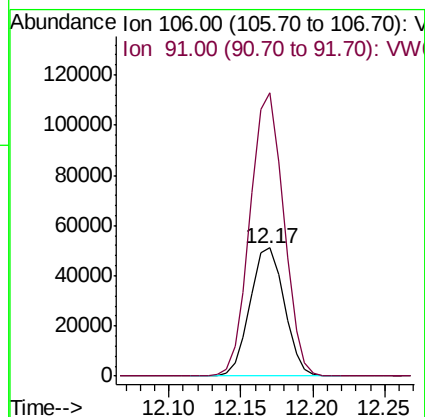
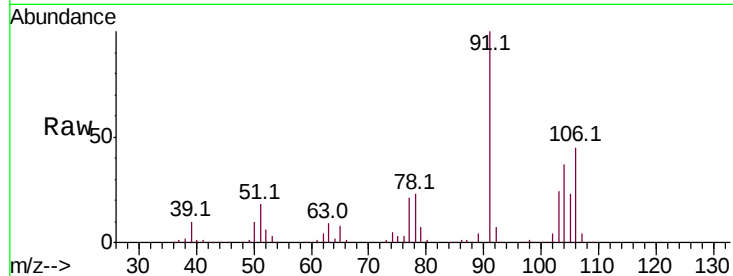




#69
o-Xylene
Concen: 53.410 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

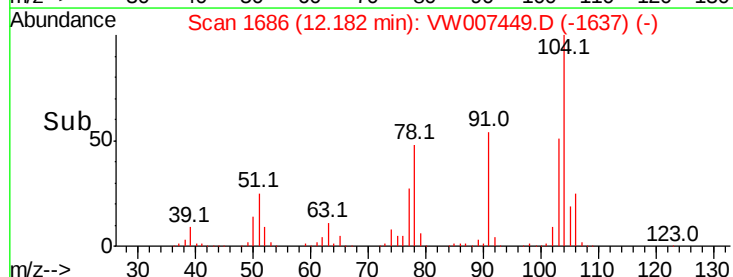
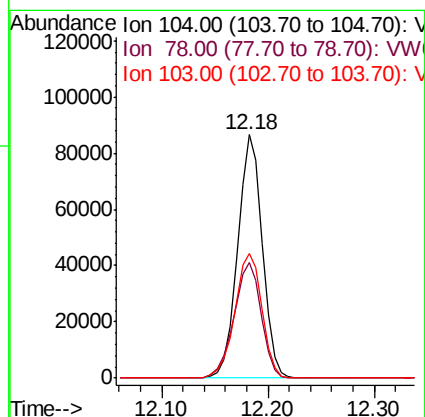
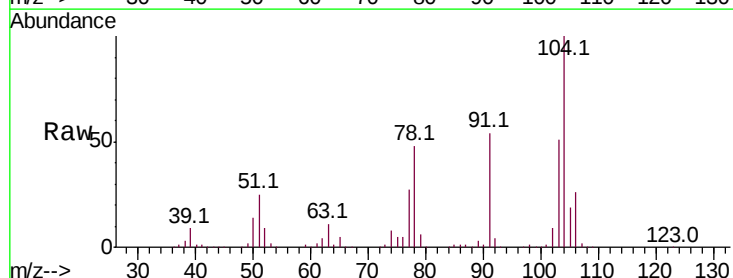
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

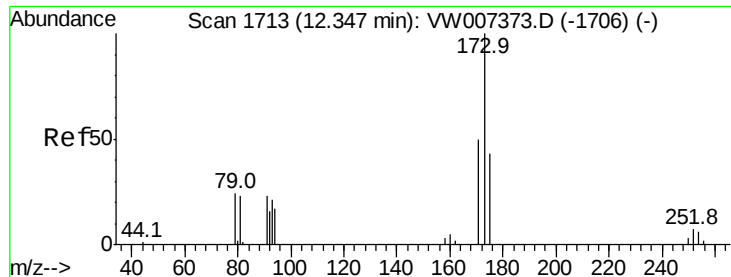
Tot Ion:106 Resp: 84457
Ion Ratio Lower Upper
106 100
91 215.9 106.6 319.8



#70
Styrene
Concen: 54.831 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion:104 Resp: 140045
Ion Ratio Lower Upper
104 100
78 52.5 41.8 62.8
103 56.3 46.6 69.8

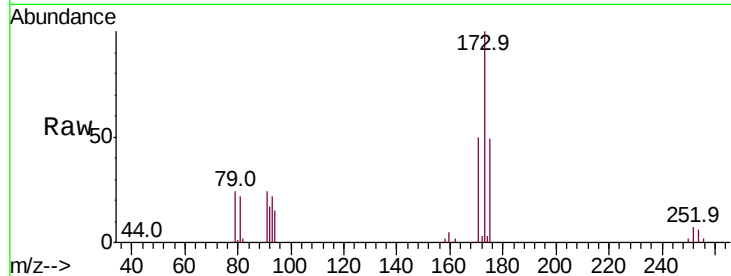




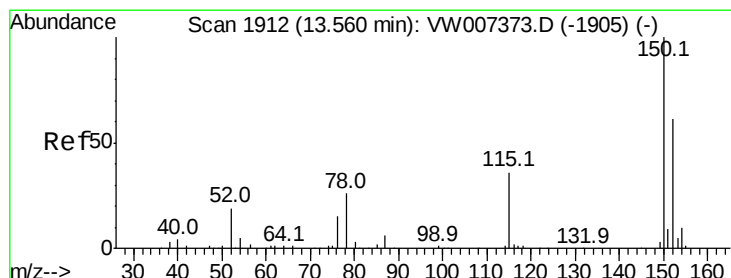
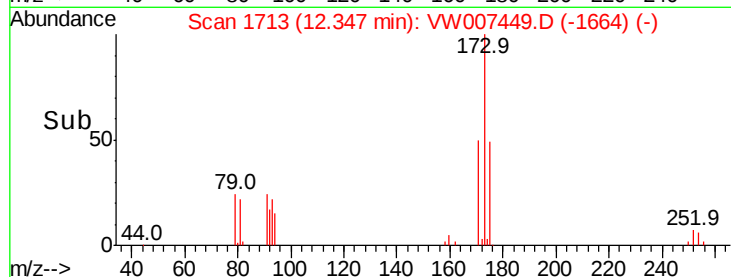
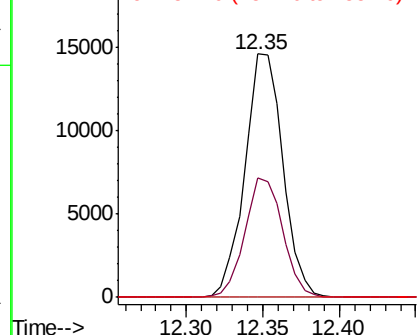
#71
Bromoform
Concen: 55.298 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 25253
Ion Ratio Lower Upper
173 100
175 48.6 23.6 70.8
254 0.0 0.0 0.0

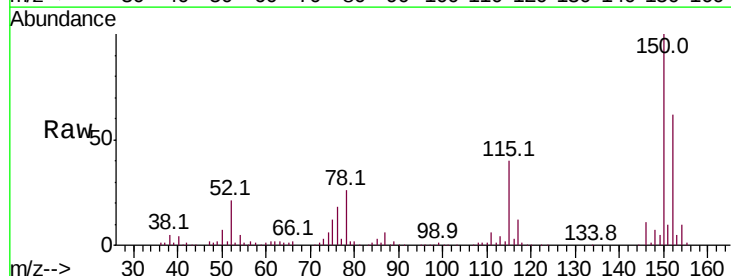


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

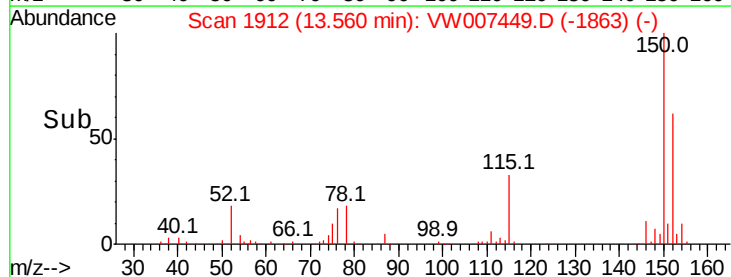
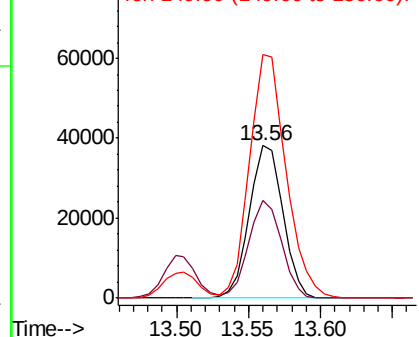


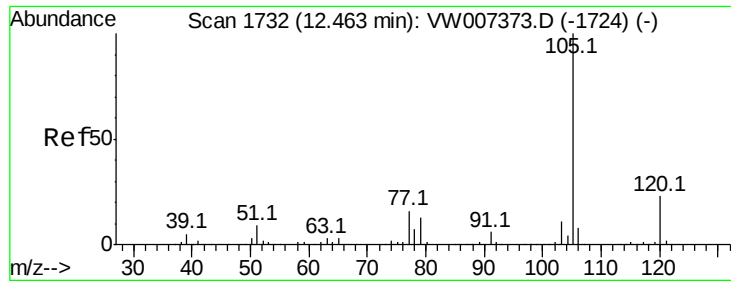
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion:152 Resp: 61534
Ion Ratio Lower Upper
152 100
115 62.6 31.4 94.2
150 173.6 0.0 358.4



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





#73

Isopropylbenzene

Concen: 49.973 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

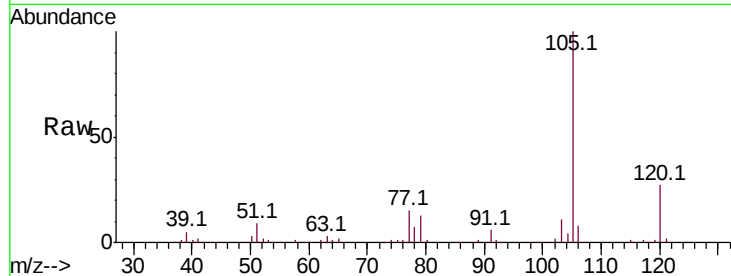
VSTDCCC050

Tot Ion:105 Resp: 235623

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

150000

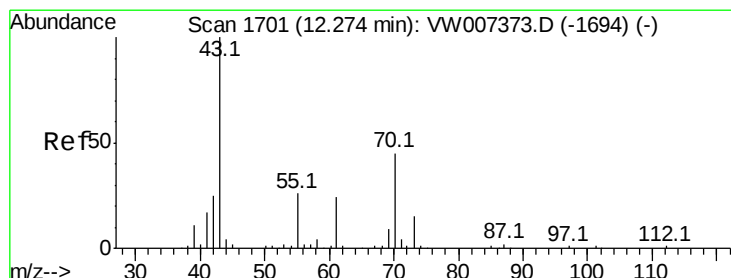
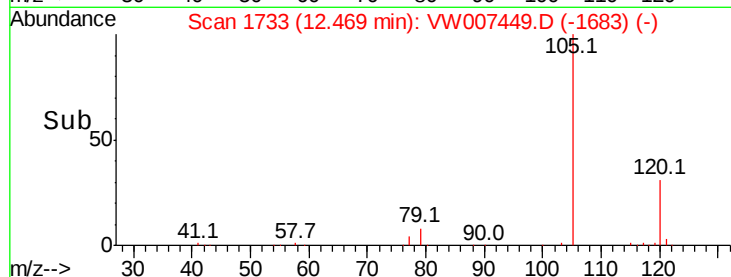
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 54.734 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Tgt Ion: 43 Resp: 46902

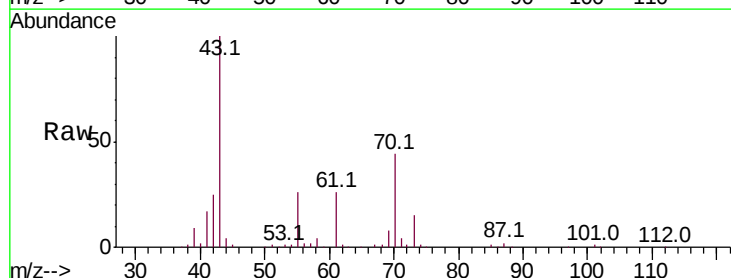
Ion Ratio Lower Upper

43 100

70 45.0 36.5 54.7

55 26.1 20.1 30.1

61 26.1 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

50000

40000

30000

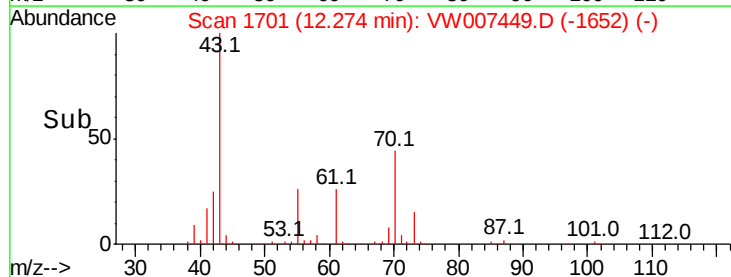
20000

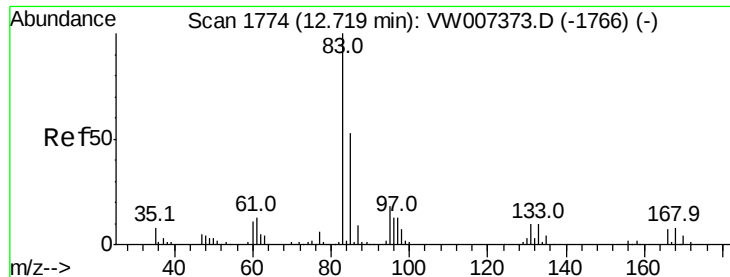
10000

0

12.20 12.25 12.30 12.35

Time-->

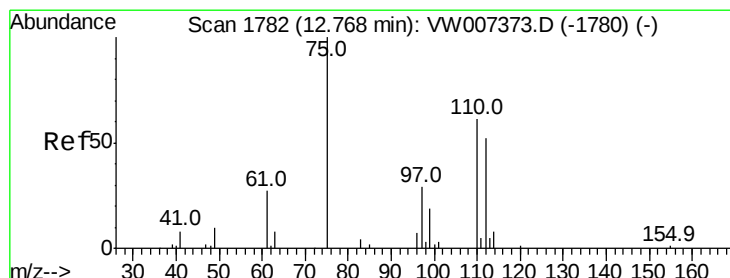
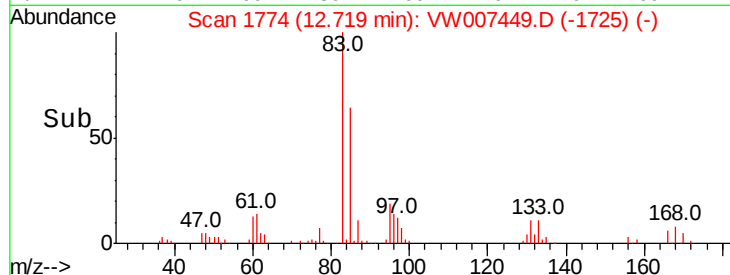
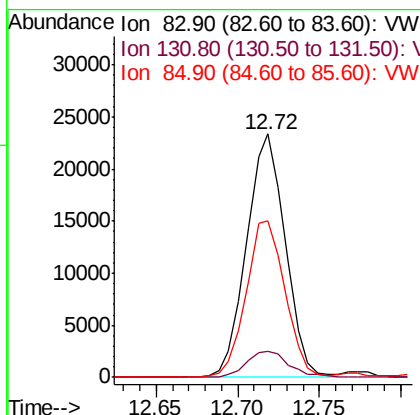
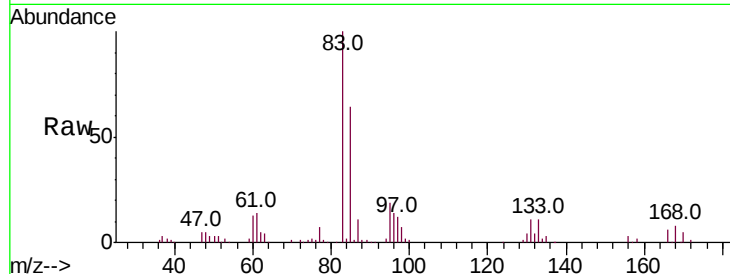




#75
 1,1,2,2-Tetrachloroethane
 Concen: 55.348 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

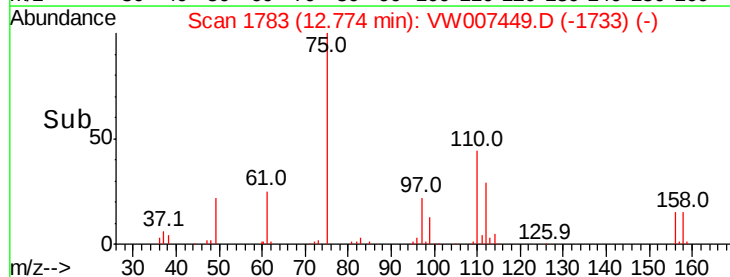
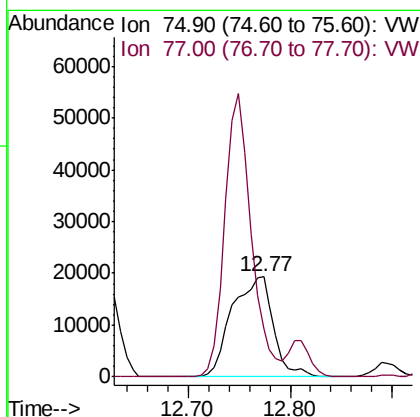
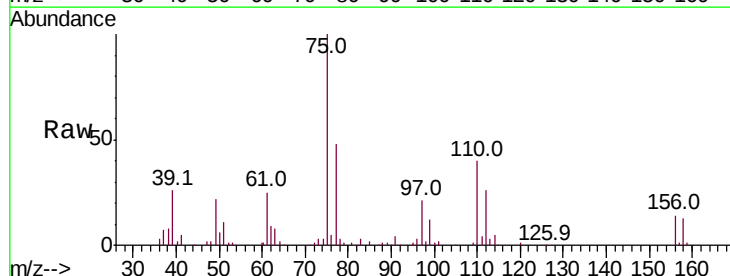
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

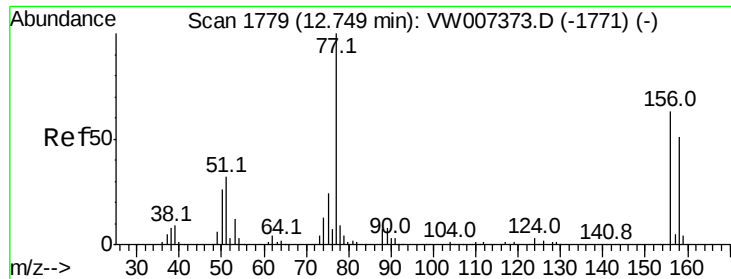
Tot Ion	83	Resp	38652
Ion Ratio	100	Lower	Upper
83	100		
131	12.1	5.9	17.8
85	64.7	30.0	90.0



#76
 1,2,3-Trichloropropane
 Concen: 107.274 ug/l
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion	75	Resp	54427
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 51.465 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

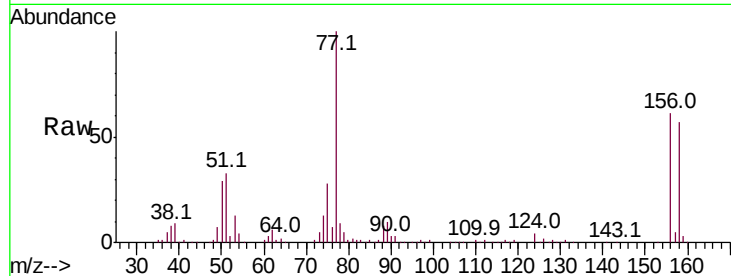
Tot Ion:156 Resp: 53787

Ion Ratio Lower Upper

156 100

77 184.5 88.1 264.4

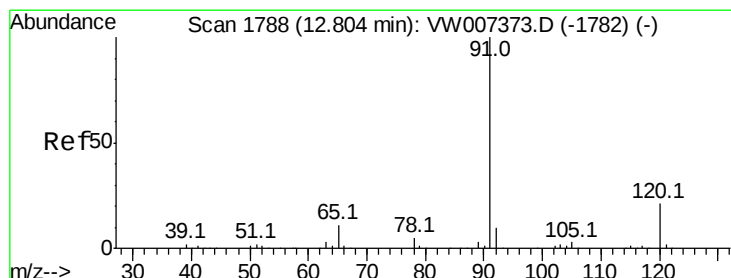
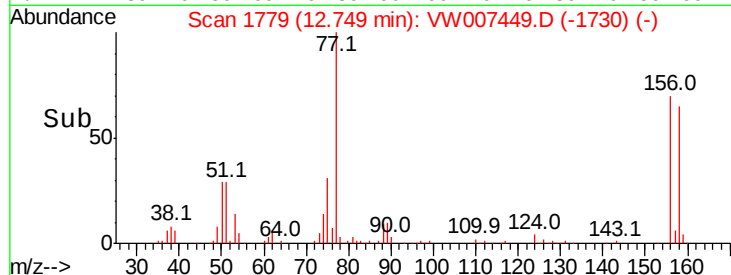
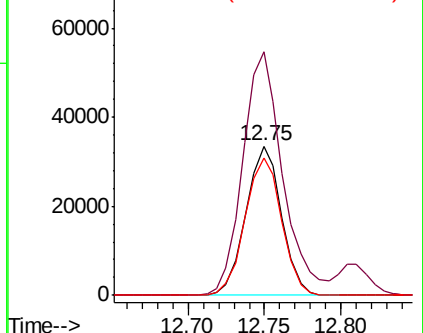
158 95.3 45.6 136.7



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: 52.080 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007449.D

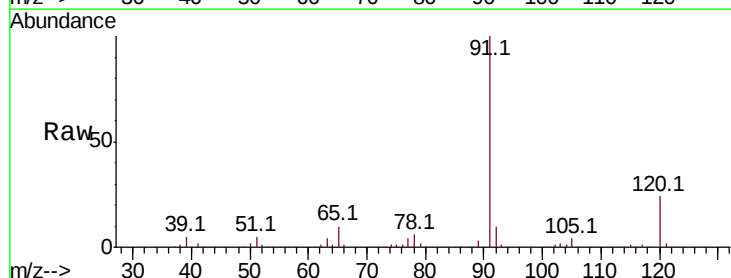
Acq: 12 Dec 2018 20:11

Tgt Ion: 91 Resp: 276351

Ion Ratio Lower Upper

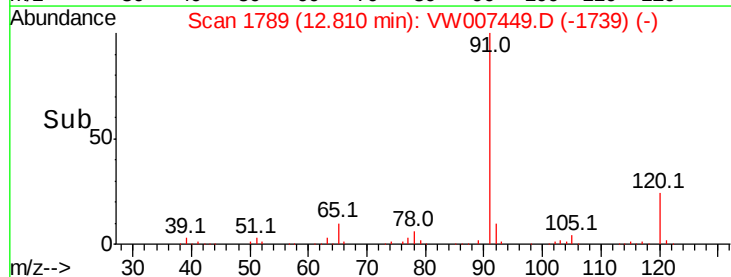
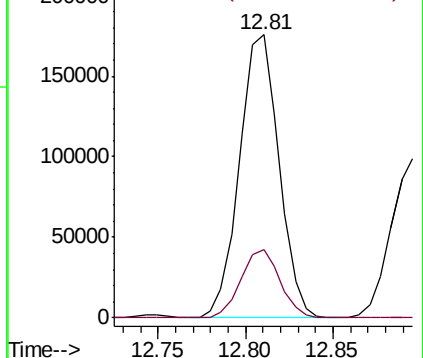
91 100

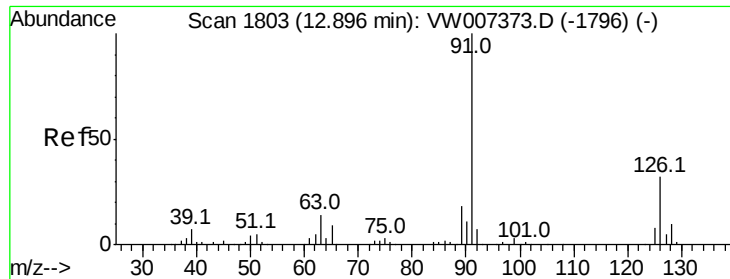
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

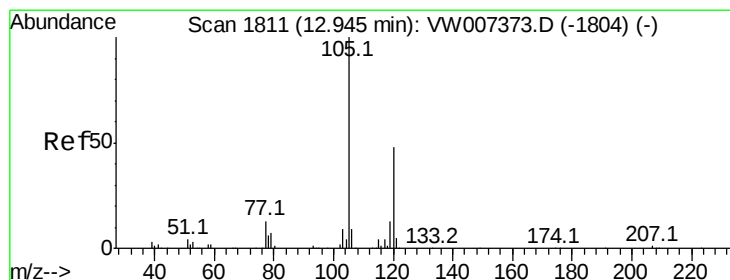
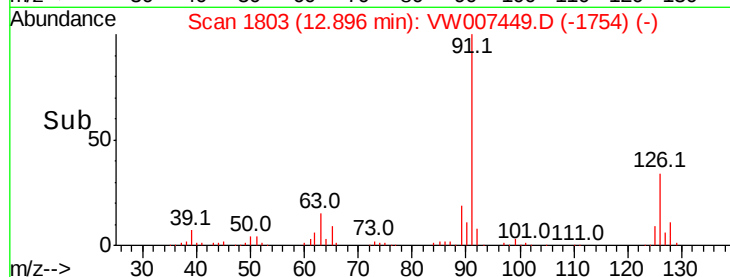
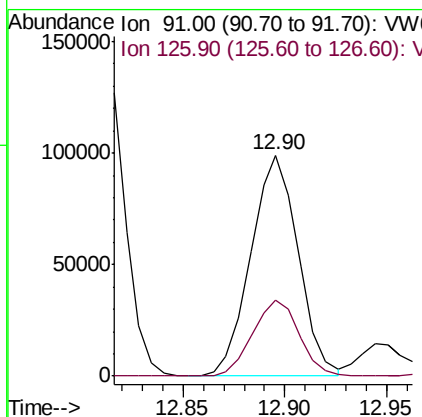
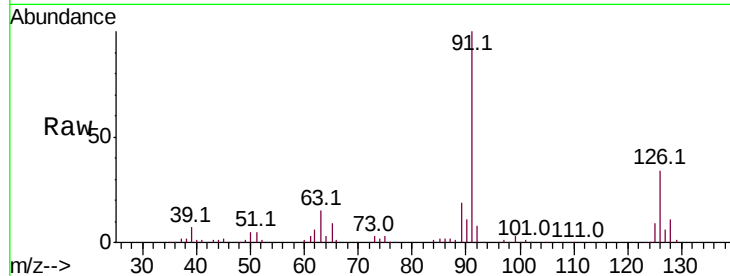




#79
 2-Chlorotoluene
 Concen: 49.828 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

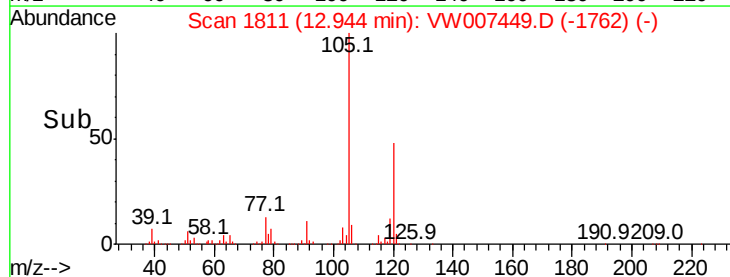
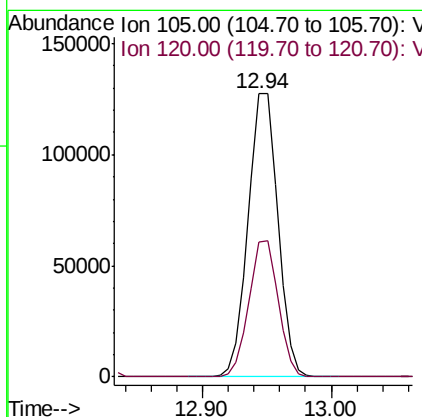
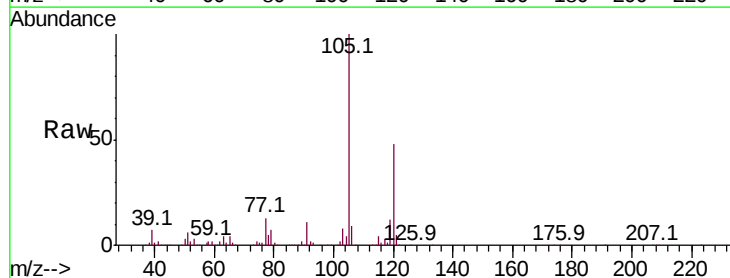
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

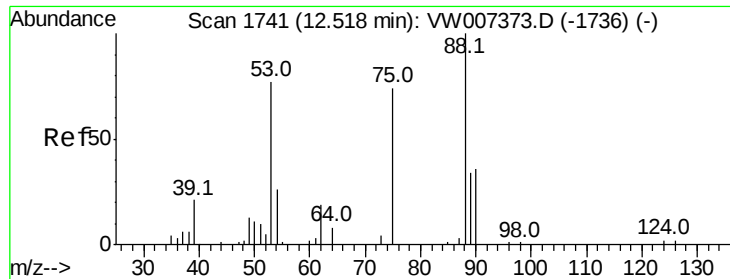
Tot Ion: 91 Resp: 159982
 Ion Ratio Lower Upper
 91 100
 126 34.0 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 51.200 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion: 105 Resp: 202842
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.524 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

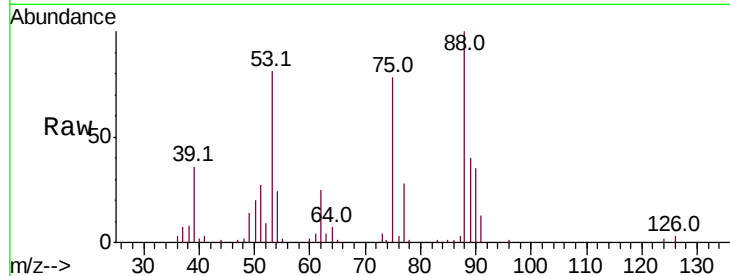
Tot Ion: 75 Resp: 12523

Ion Ratio Lower Upper

75 100

53 99.5 84.9 127.3

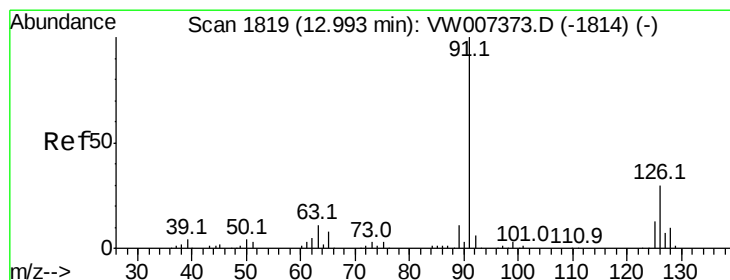
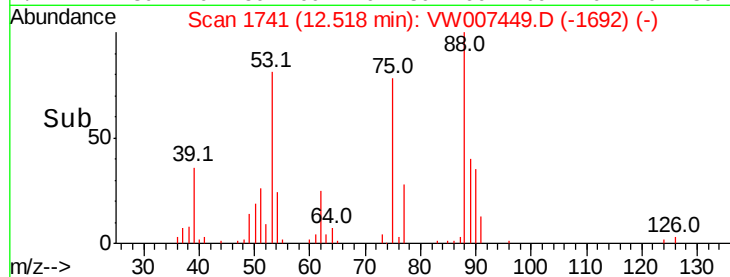
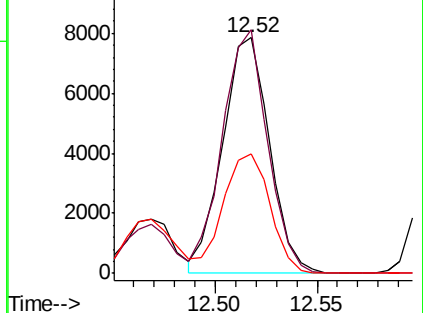
89 51.0 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 49.948 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007449.D

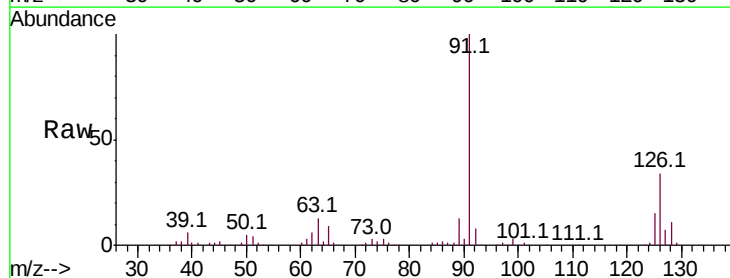
Acq: 12 Dec 2018 20:11

Tgt Ion: 91 Resp: 169045

Ion Ratio Lower Upper

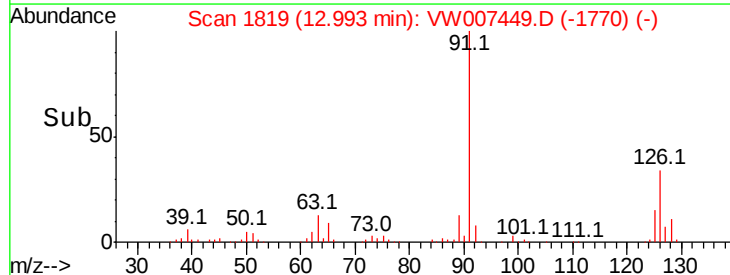
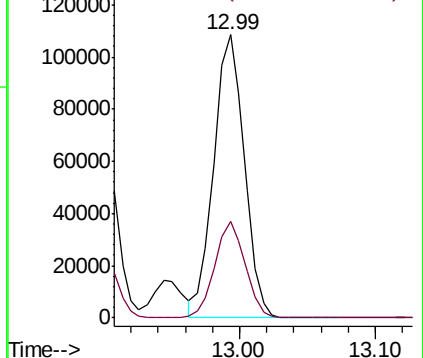
91 100

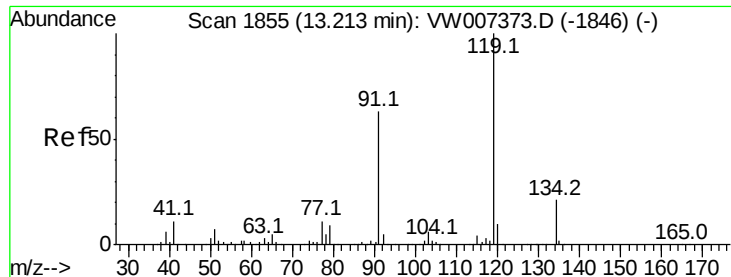
126 33.9 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

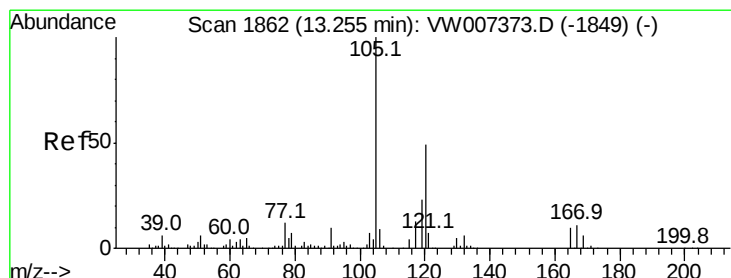
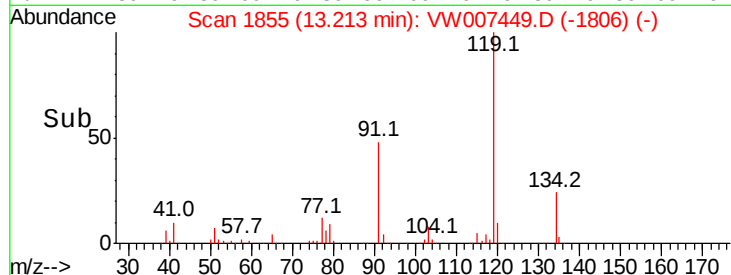
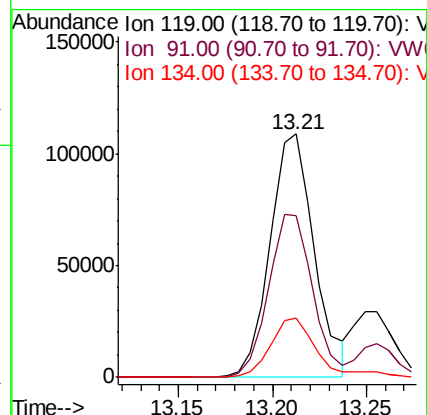
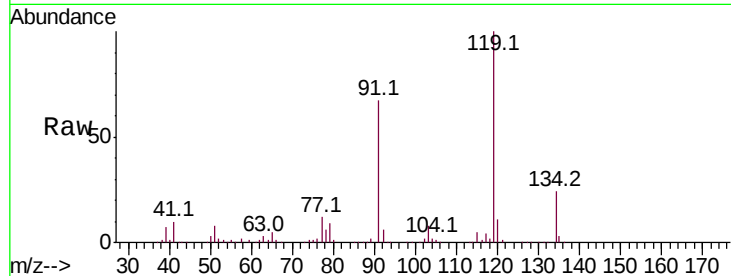




#83
tert-Butylbenzene
Concen: 50.840 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

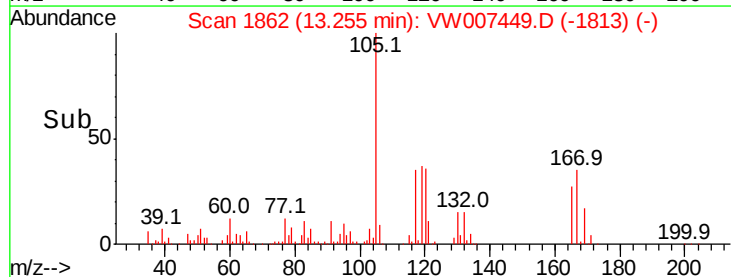
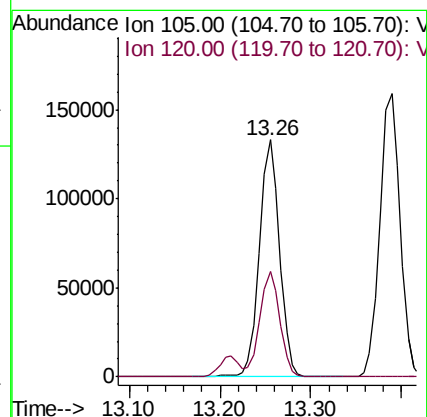
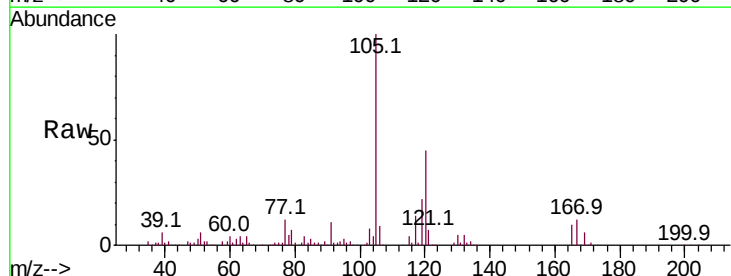
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

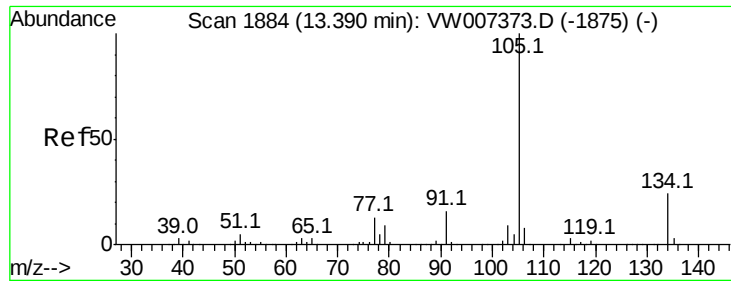
Tot Ion:119 Resp: 177473
Ion Ratio Lower Upper
119 100
91 66.5 33.1 99.2
134 25.8 12.5 37.5



#84
1,2,4-Trimethylbenzene
Concen: 50.163 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion:105 Resp: 204508
Ion Ratio Lower Upper
105 100
120 44.6 22.6 67.7

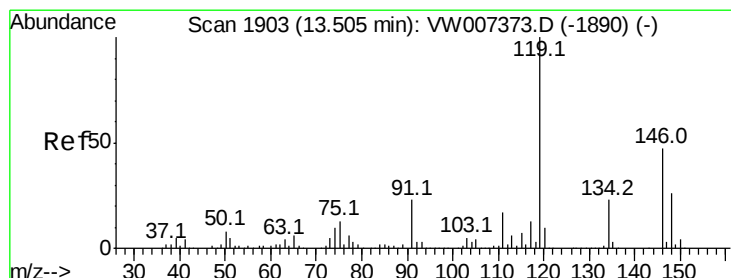
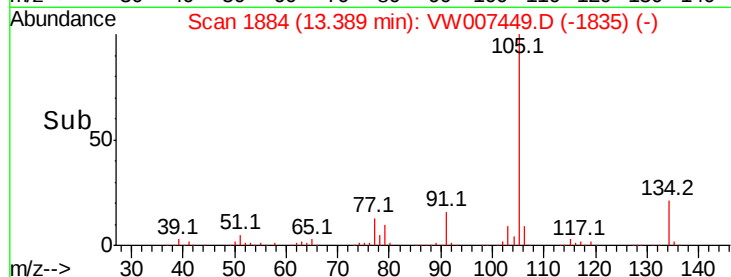
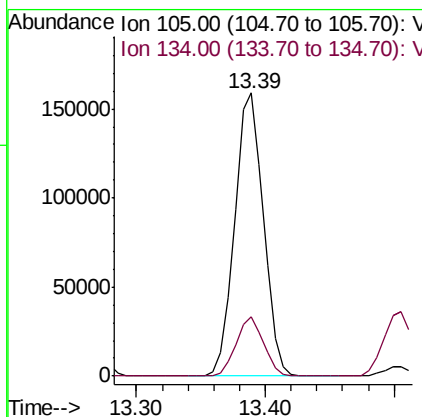
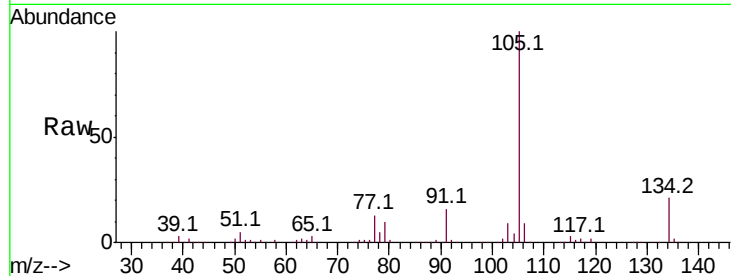




#85
 sec-Butylbenzene
 Concen: 51.576 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

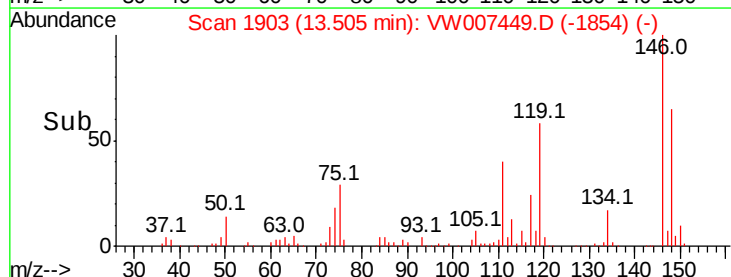
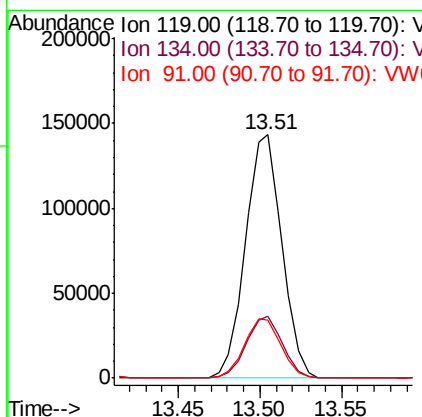
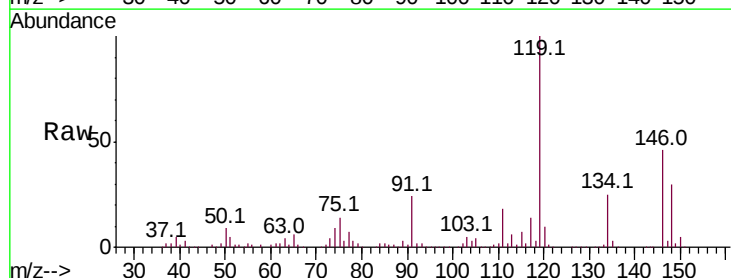
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

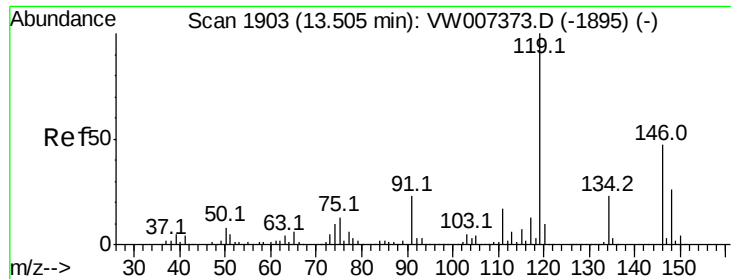
Tot Ion:105 Resp: 245781
 Ion Ratio Lower Upper
 105 100
 134 20.2 11.1 33.3



#86
 p-Isopropyltoluene
 Concen: 51.954 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion:119 Resp: 222422
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.7
 91 24.6 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 51.412 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

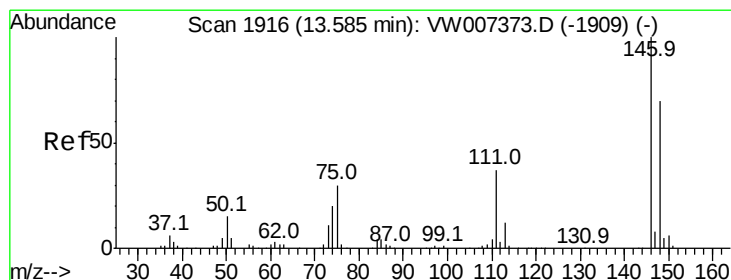
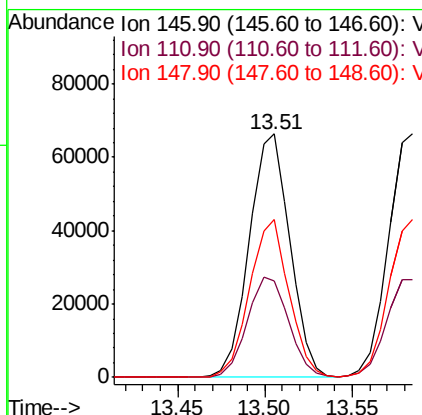
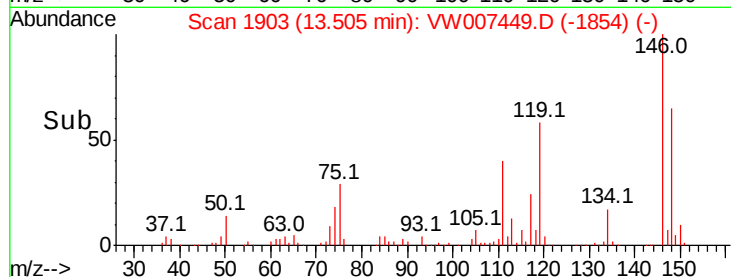
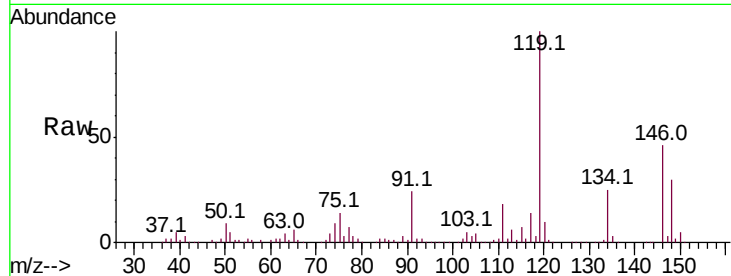
Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 107130

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.1	60.3
148	62.7	31.4	94.0



#88

1,4-Dichlorobenzene

Concen: 50.924 ug/l

RT: 13.58 min Scan# 1916

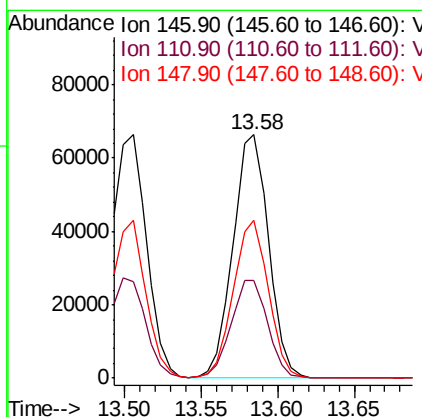
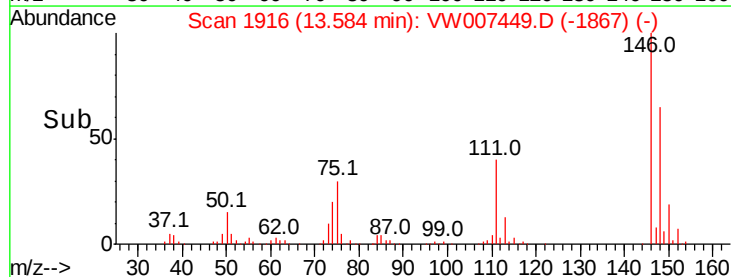
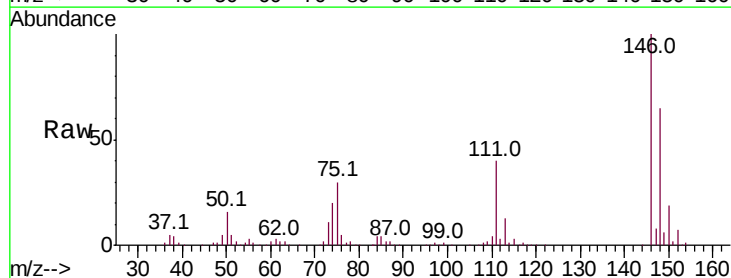
Delta R.T. -0.00 min

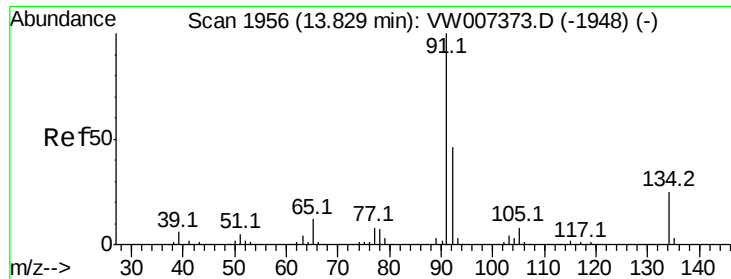
Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Tgt Ion:146 Resp: 106679

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	64.0	33.5	100.5

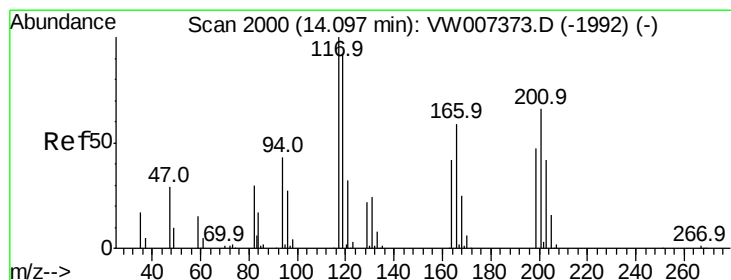
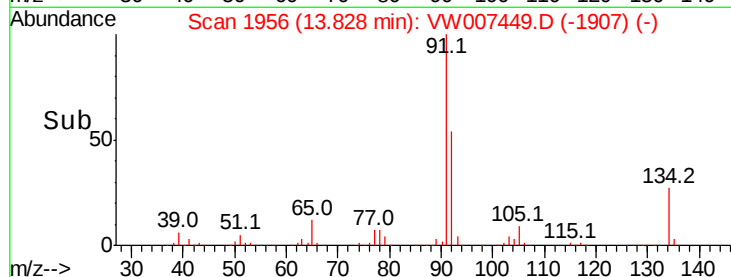
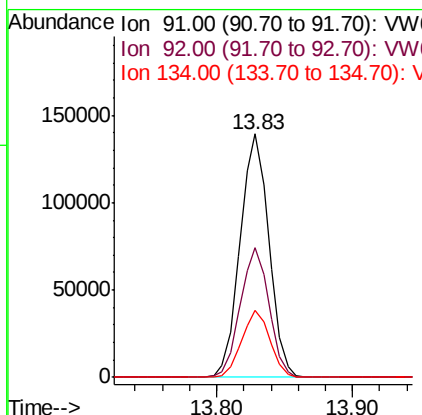
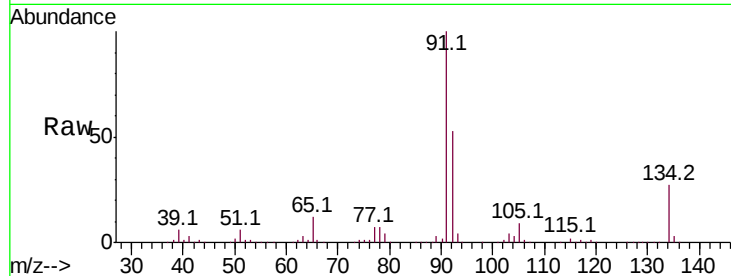




#89
n-Butylbenzene
Concen: 51.848 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

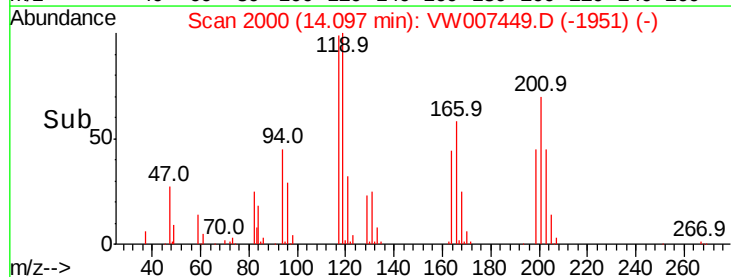
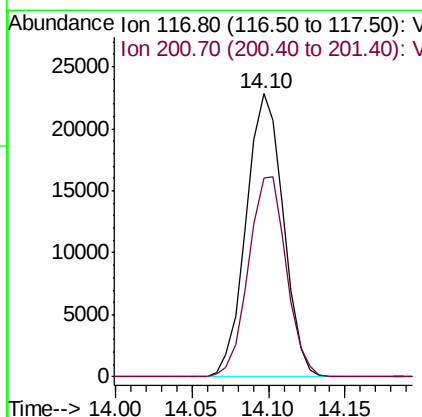
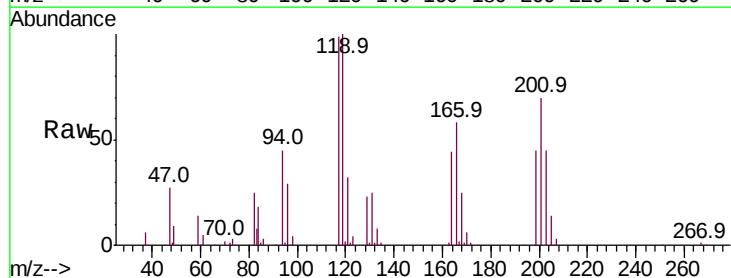
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

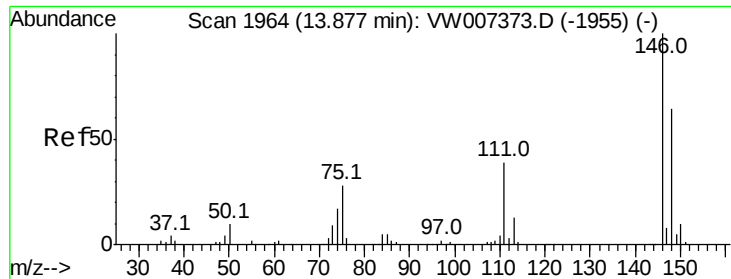
Tot Ion: 91 Resp: 205775
Ion Ratio Lower Upper
91 100
92 53.1 25.7 77.1
134 27.0 13.4 40.2



#90
Hexachloroethane
Concen: 50.627 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion: 117 Resp: 38565
Ion Ratio Lower Upper
117 100
201 71.9 35.3 105.9





#91

1,2-Dichlorobenzene

Concen: 51.597 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

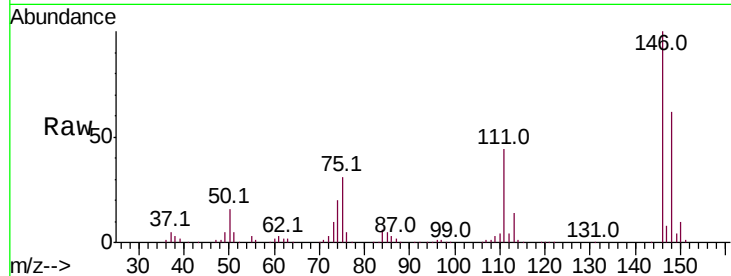
Tot Ion:146 Resp: 96297

Ion Ratio Lower Upper

146 100

111 43.7 22.4 67.2

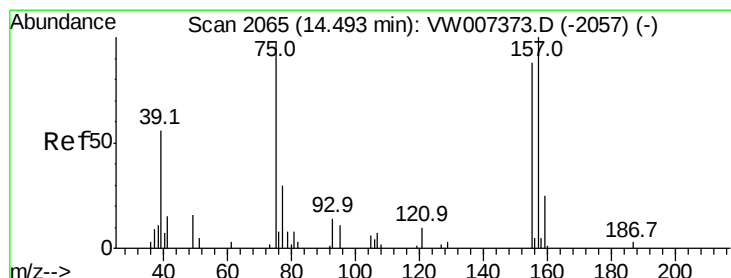
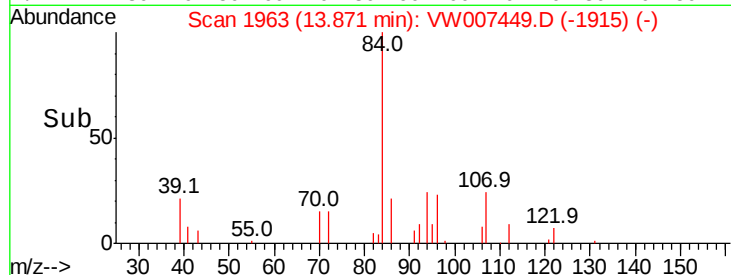
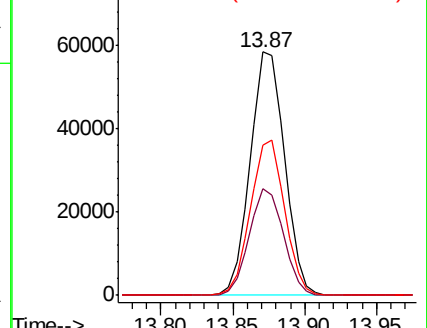
148 63.2 32.4 97.2



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: 56.721 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007449.D

Acq: 12 Dec 2018 20:11

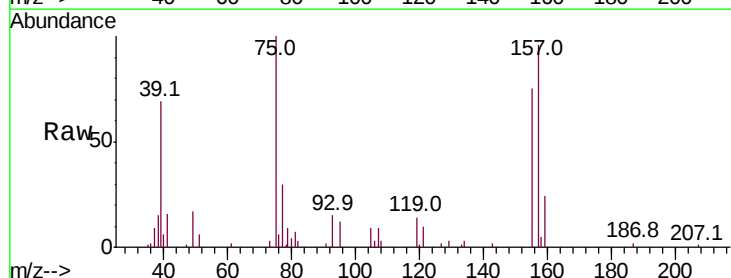
Tgt Ion: 75 Resp: 7949

Ion Ratio Lower Upper

75 100

155 79.7 40.8 122.2

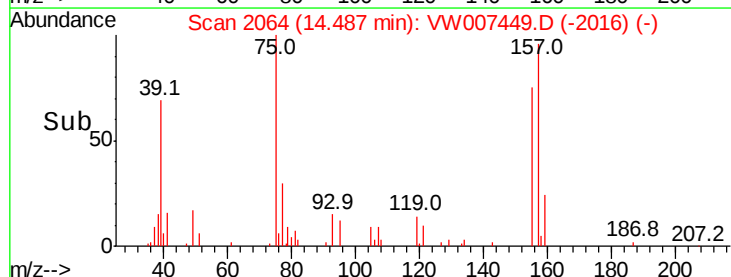
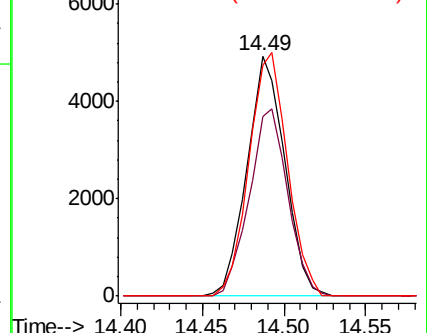
157 103.2 51.1 153.4

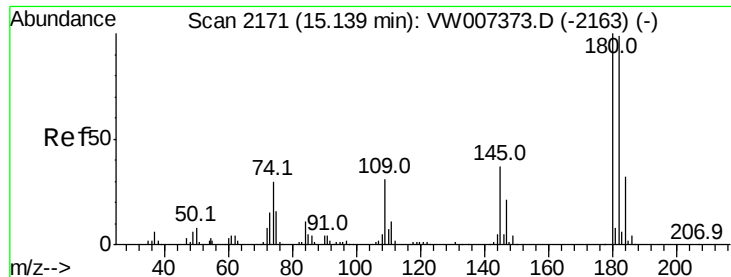


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

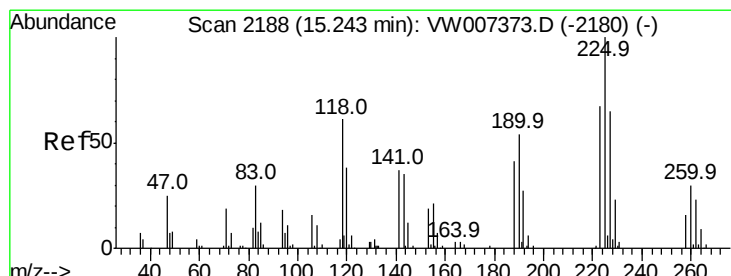
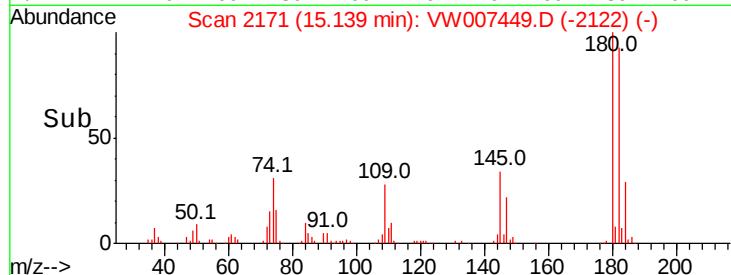
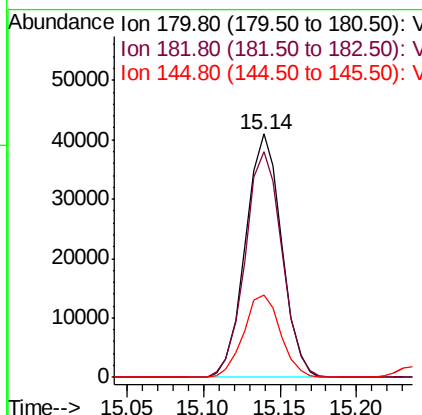
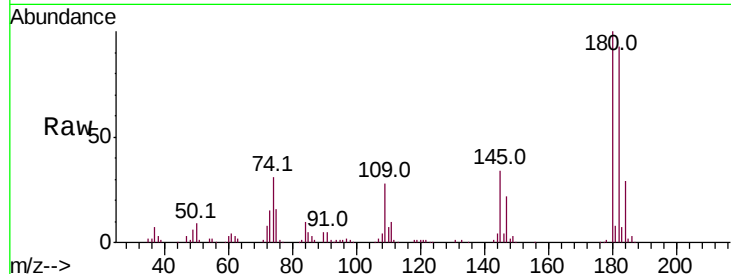




#93
 1,2,4-Trichlorobenzene
 Concen: 52.364 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

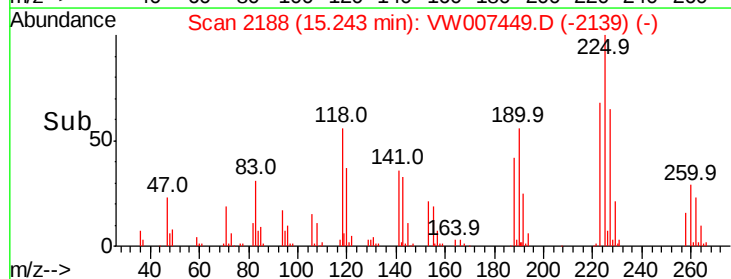
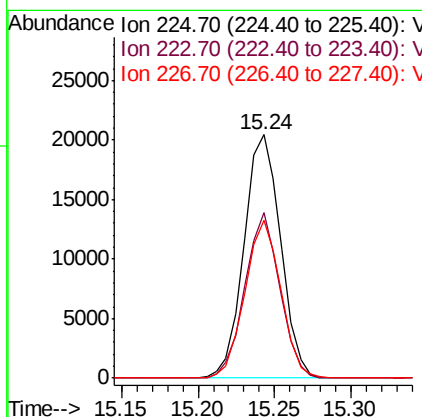
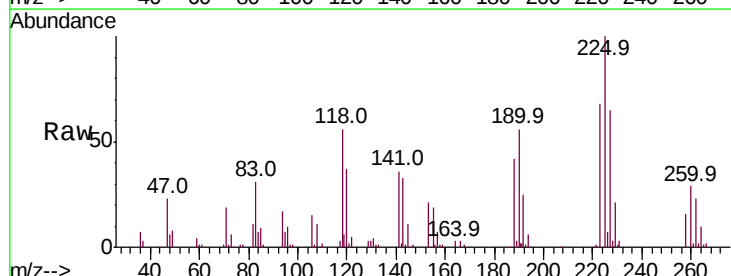
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

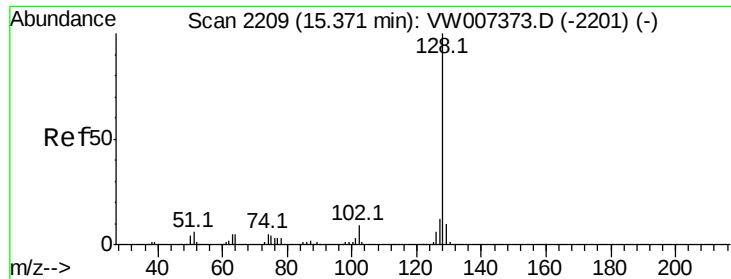
Tot Ion:180 Resp: 67256
 Ion Ratio Lower Upper
 180 100
 182 94.5 49.9 149.6
 145 34.7 17.8 53.4



#94
 Hexachlorobutadiene
 Concen: 49.878 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007449.D
 Acq: 12 Dec 2018 20:11

Tgt Ion:225 Resp: 33991
 Ion Ratio Lower Upper
 225 100
 223 64.9 32.1 96.3
 227 63.4 31.9 95.9

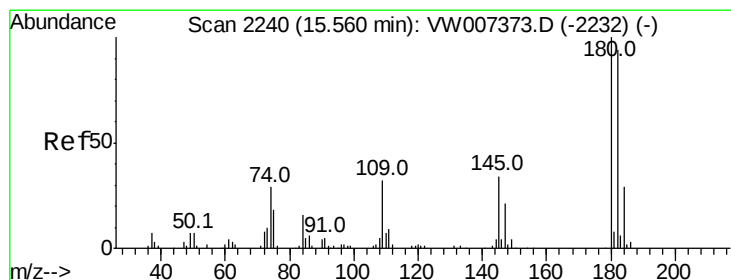
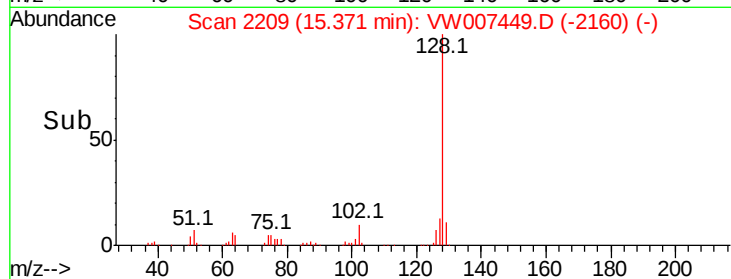
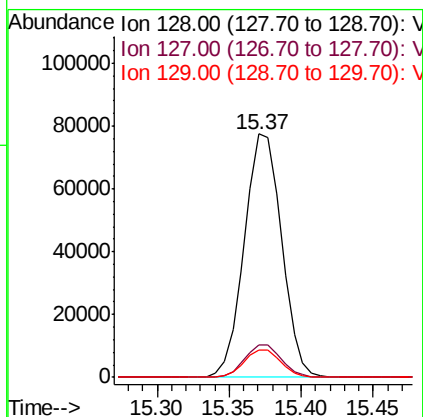
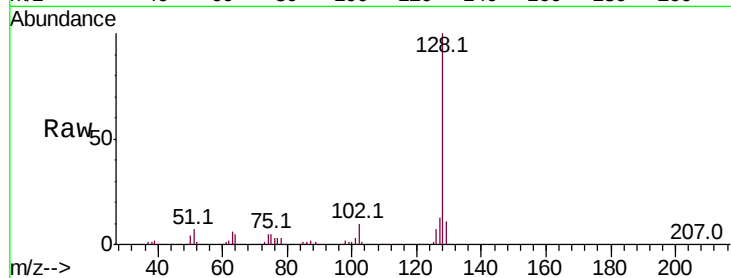




#95
Naphthalene
Concen: 56.686 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 139284
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 51.474 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW007449.D
Acq: 12 Dec 2018 20:11

Tgt Ion:180 Resp: 57431
Ion Ratio Lower Upper
180 100
182 97.7 45.6 136.7
145 36.9 17.5 52.5

