

Data File : VW008217.D
Acq On : 12 Jan 2019 03:35
Operator : SY/VA
Sample : VW0111SBSD02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

Quant Time: Jan 12 04:36:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 04:40:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	89227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	157358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69510	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	54011	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.88	113	52199	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	
50) Toluene-d8	10.32	98	211459	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.62	95	74248	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13177	18.095	ug/l	97
3) Chloromethane	2.21	50	19677	20.828	ug/l	98
4) Vinyl Chloride	2.37	62	24767	20.086	ug/l	95
5) Bromomethane	2.78	94	21700	23.493	ug/l	95
6) Chloroethane	2.92	64	18537	19.979	ug/l	89
7) Trichlorofluoromethane	3.26	101	19440	19.393	ug/l	96
8) Diethyl Ether	3.68	74	12260	21.634	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21435	21.537	ug/l	97
10) Methyl Iodide	4.26	142	33132	22.842	ug/l	98
11) Tert butyl alcohol	5.23	59	6230	83.268	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	21238	21.735	ug/l	83
13) Acrolein	3.89	56	5342	78.989	ug/l	93
14) Allyl chloride	4.67	41	36347	20.488	ug/l	98
15) Acrylonitrile	5.37	53	24973	115.750	ug/l	98
16) Acetone	4.14	43	19494	95.034	ug/l	93
17) Carbon Disulfide	4.37	76	62549	20.491	ug/l	97
18) Methyl Acetate	4.68	43	14167	22.352	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	35820	22.549	ug/l	96
20) Methylene Chloride	4.91	84	25638	23.409	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	23797	22.410	ug/l	87
22) Diisopropyl ether	6.31	45	73911	21.845	ug/l	96
23) Vinyl Acetate	6.26	43	193467	108.873	ug/l	99
24) 1,1-Dichloroethane	6.21	63	43175	21.901	ug/l #	96
25) 2-Butanone	7.18	43	29538	105.863	ug/l	98
26) 2,2-Dichloropropane	7.17	77	26283	19.676	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	25524	22.031	ug/l	93
28) Bromochloromethane	7.51	49	16375	21.000	ug/l	98
29) Tetrahydrofuran	7.54	42	21013	112.742	ug/l	99
30) Chloroform	7.68	83	43032	22.932	ug/l	93
31) Cyclohexane	7.95	56	39707	18.815	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	35474	21.726	ug/l	98
36) 1,1-Dichloropropene	8.09	75	33582	20.718	ug/l	99
37) Ethyl Acetate	7.26	43	14083	21.686	ug/l #	91
38) Carbon Tetrachloride	8.07	117	31798	21.433	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	40733	19.818	ug/l	94
40) Benzene	8.32	78	97958	22.281	ug/l	95
41) Methacrylonitrile	7.48	41	9144	22.290	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	27056	21.881	ug/l	96
43) Isopropyl Acetate	8.43	43	27851	21.450	ug/l	98
44) Trichloroethene	9.09	130	25374	22.546	ug/l	96
45) 1,2-Dichloropropane	9.37	63	24242	22.238	ug/l	95
46) Dibromomethane	9.46	93	12422	23.203	ug/l	96
47) Bromodichloromethane	9.65	83	30309	22.296	ug/l	97
48) Methyl methacrylate	9.44	41	13236	21.604	ug/l	89
49) 1,4-Dioxane	9.47	88	4109	477.250	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	71198	113.283	ug/l	98
52) Toluene	10.39	92	63190	22.506	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	30302	21.429	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	35015	20.882	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	18154	24.152	ug/l	97
56) Ethyl methacrylate	10.65	69	21294	22.876	ug/l	98
57) 1,3-Dichloropropane	10.93	76	31214	22.706	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	53941	112.181	ug/l	99
59) 2-Hexanone	10.97	43	46340	109.030	ug/l	99
60) Dibromochloromethane	11.13	129	19899	24.108	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17267	24.210	ug/l	97
64) Tetrachloroethene	10.86	164	21130	22.720	ug/l	96
65) Chlorobenzene	11.66	112	67592	22.326	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	22378	22.726	ug/l	99
67) Ethyl Benzene	11.73	91	117511	21.213	ug/l	98
68) m/p-Xylenes	11.84	106	92239	43.625	ug/l	97
69) o-Xylene	12.17	106	42597	21.756	ug/l	96
70) Styrene	12.18	104	69989	22.821	ug/l	98
71) Bromoform	12.35	173	10908	24.751	ug/l #	96
73) Isopropylbenzene	12.47	105	116142	21.282	ug/l	100
74) N-amyl acetate	12.28	43	25839	21.381	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	20176	23.098	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	26643	42.046	ug/l #	1
77) Bromobenzene	12.75	156	26233	22.750	ug/l	90
78) n-propylbenzene	12.81	91	140758	21.051	ug/l	98
79) 2-Chlorotoluene	12.90	91	80527	21.586	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	96622	21.546	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	5961	21.907	ug/l	97
82) 4-Chlorotoluene	12.99	91	84484	21.503	ug/l	98
83) tert-Butylbenzene	13.21	119	86647	21.840	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	100169	21.657	ug/l	98
85) sec-Butylbenzene	13.39	105	125922	21.667	ug/l	100
86) p-Isopropyltoluene	13.51	119	107188	21.358	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	53379	22.820	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	52369	22.315	ug/l	99
89) n-Butylbenzene	13.83	91	101663	20.683	ug/l	99
90) Hexachloroethane	14.10	117	19410	22.898	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	48423	23.556	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3111	22.131	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011119\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	30011	21.989	ug/l	96
94) Hexachlorobutadiene	15.24	225	16487	22.569	ug/l	99
95) Naphthalene	15.38	128	56279	22.084	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	26252	22.563	ug/l	98

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

Data File : VW008217.D

Acq On : 12 Jan 2019 03:35

Operator : SY/VA

Sample : VW0111SBSD02

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 32      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

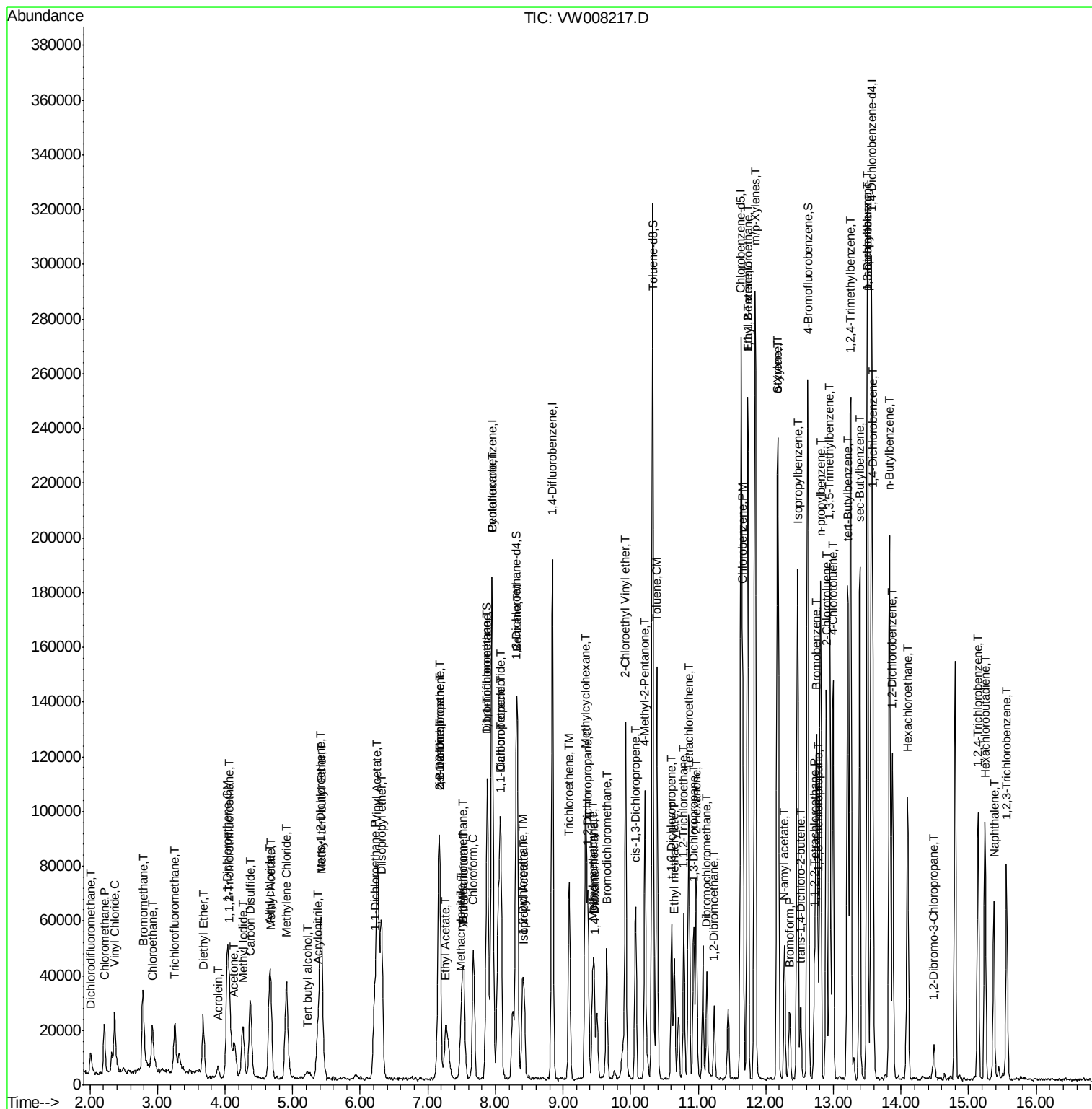
Quant Time: Jan 12 04:36:54 2019

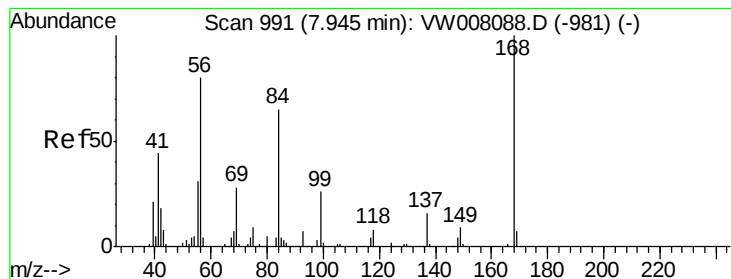
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA W\METHOD\82W010819S.M

Quant Title : SW846 8260

QLast Update : Wed Jan 09 04:40:48 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

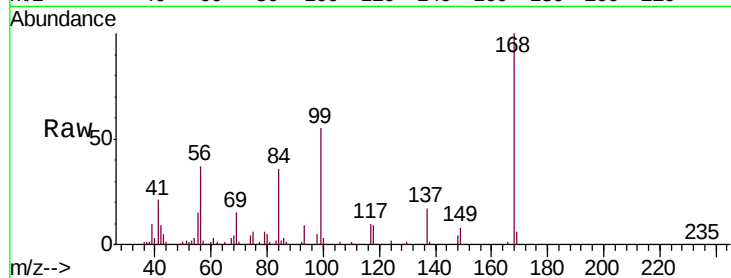
VW0111SBSD02

Tgt Ion:168 Resp: 89227

Ion Ratio Lower Upper

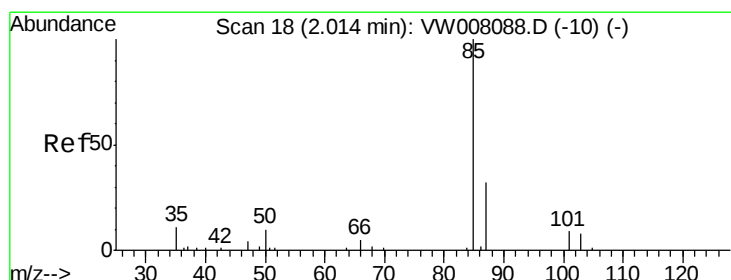
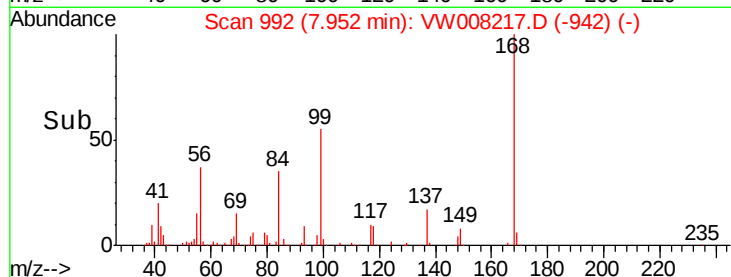
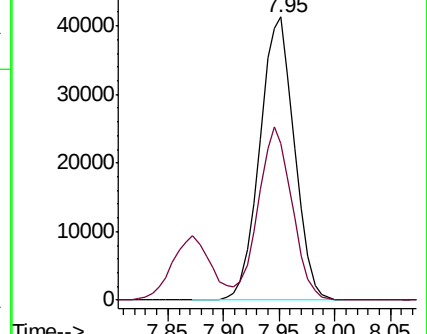
168 100

99 55.2 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.095 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008217.D

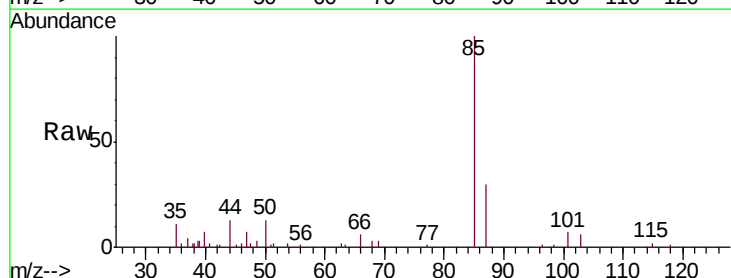
Acq: 12 Jan 2019 03:35

Tgt Ion: 85 Resp: 13177

Ion Ratio Lower Upper

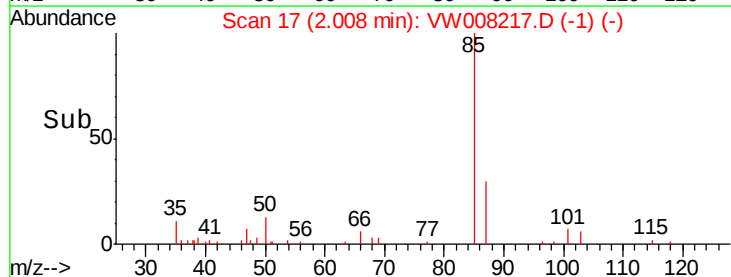
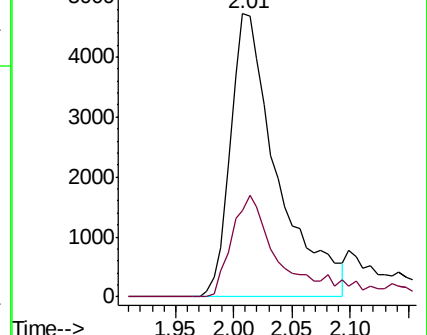
85 100

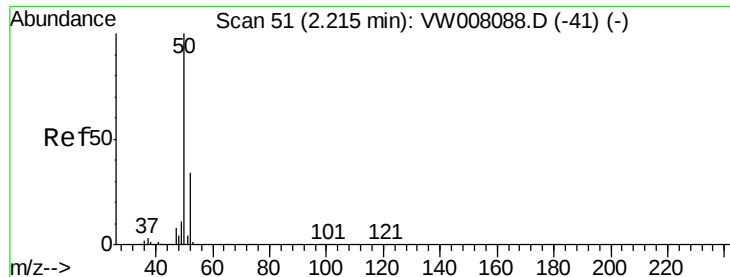
87 30.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.828 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

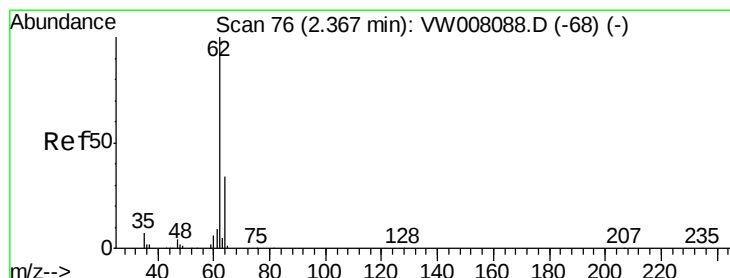
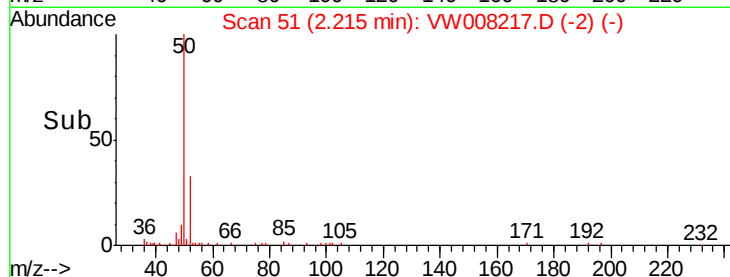
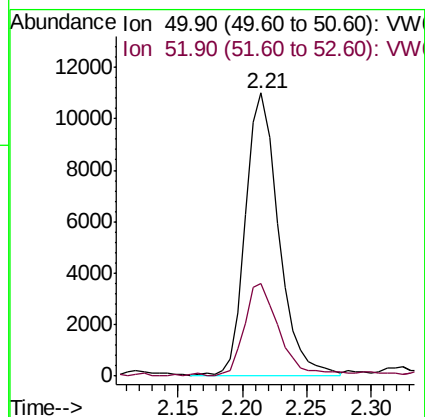
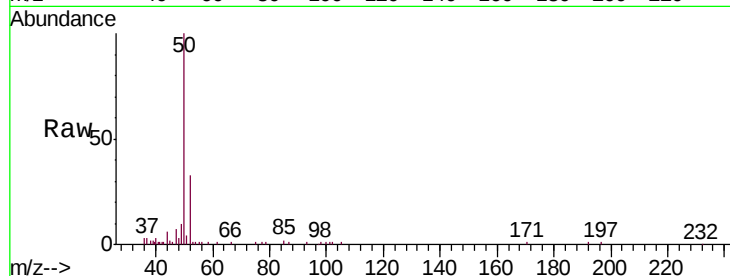
VW0111SBSD02

Tgt Ion: 50 Resp: 19677

Ion Ratio Lower Upper

50 100

52 32.4 26.8 40.2



#4

Vinyl Chloride

Concen: 20.086 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008217.D

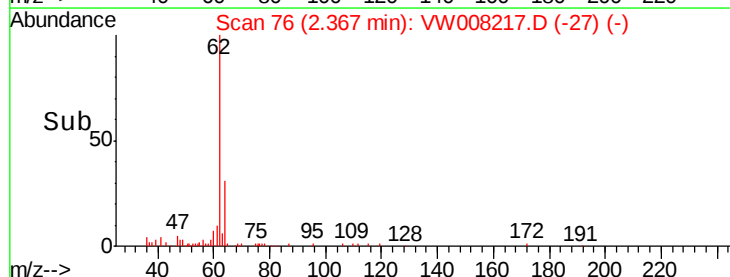
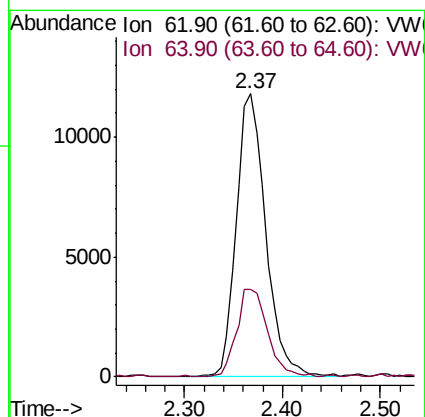
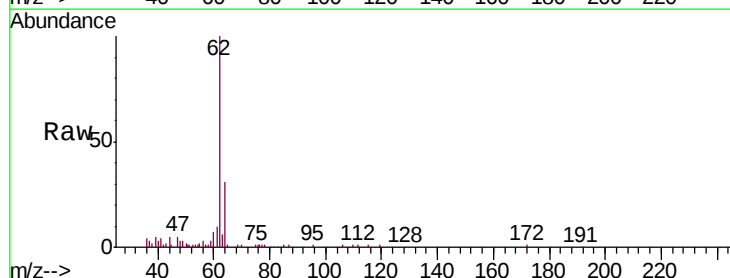
Acq: 12 Jan 2019 03:35

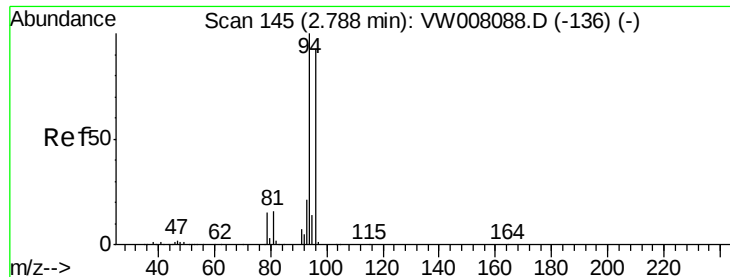
Tgt Ion: 62 Resp: 24767

Ion Ratio Lower Upper

62 100

64 30.7 27.0 40.6





#5

Bromomethane

Concen: 23.493 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

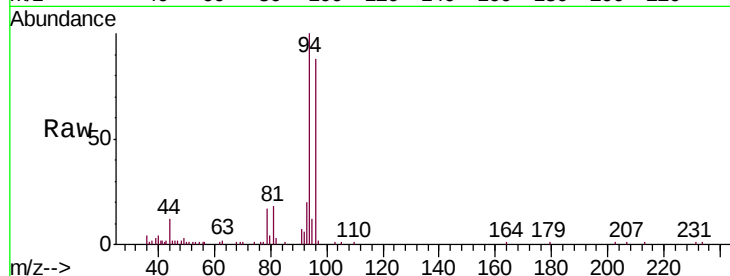
VW0111SBSD02

Tgt Ion: 94 Resp: 21700

Ion Ratio Lower Upper

94 100

96 87.6 74.1 111.1



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

10000

8000

6000

4000

2000

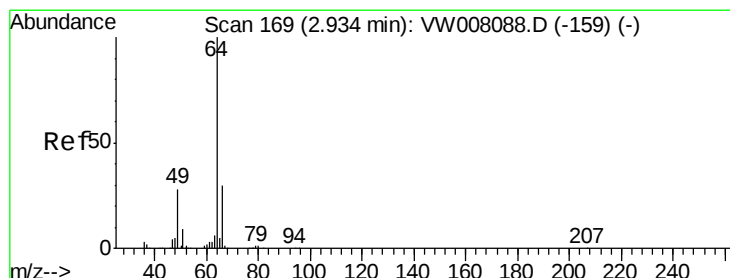
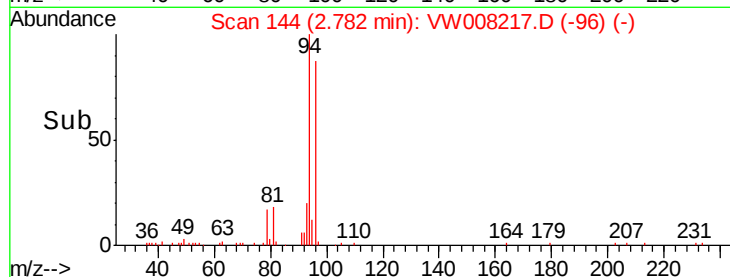
0

Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 19.979 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008217.D

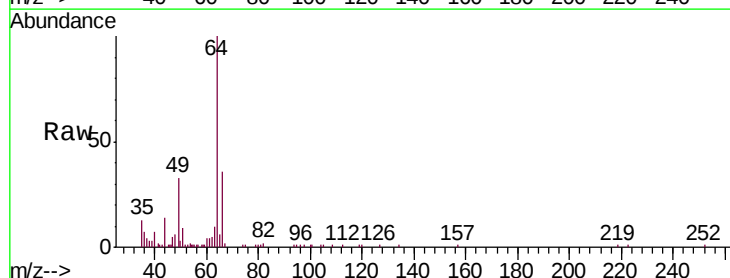
Acq: 12 Jan 2019 03:35

Tgt Ion: 64 Resp: 18537

Ion Ratio Lower Upper

64 100

66 36.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

8000

6000

4000

2000

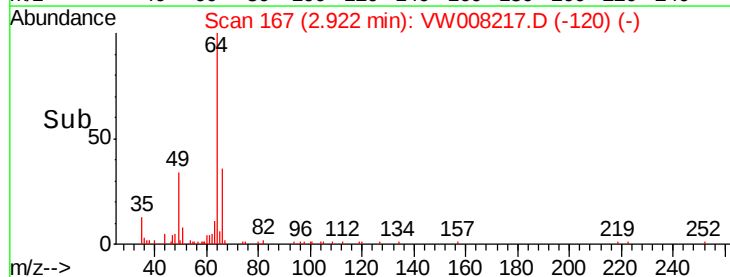
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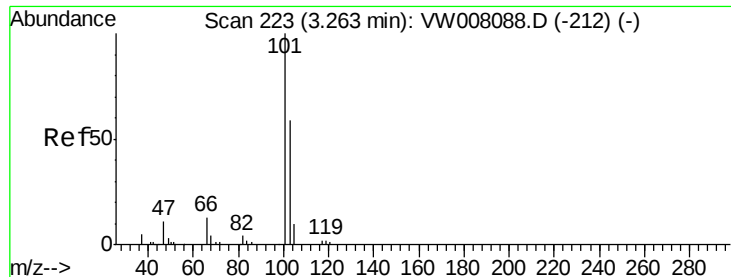
Time-->

2.80

2.90

3.00



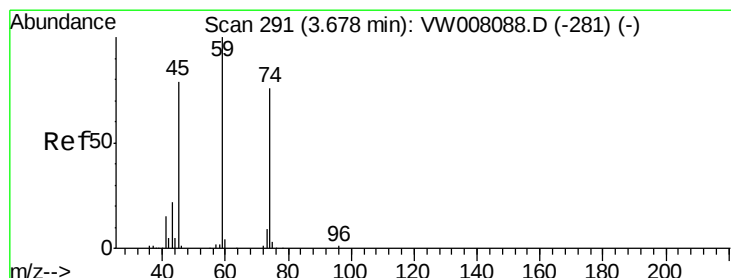
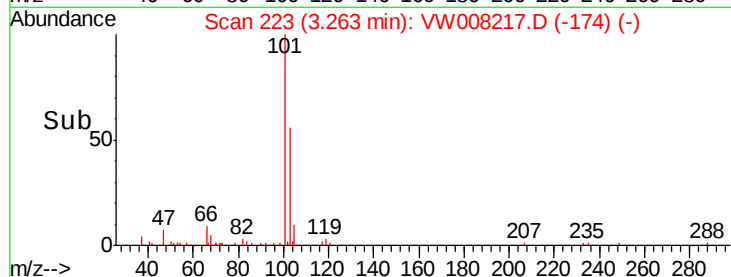
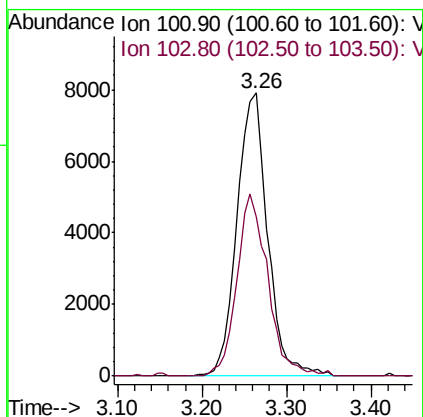
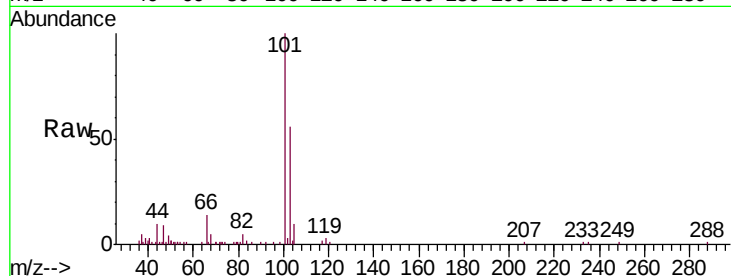


#7

Trichlorofluoromethane
 Concen: 19.393 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Instrument :
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 VW0111SBSD02

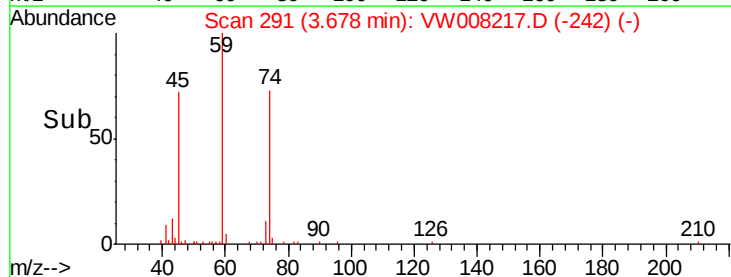
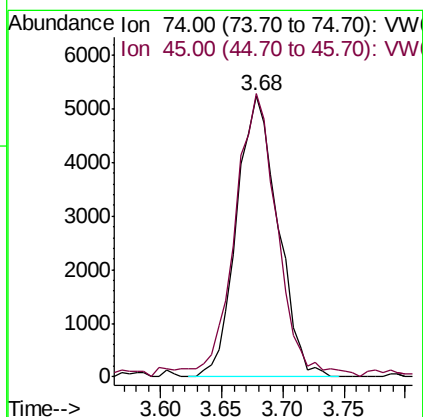
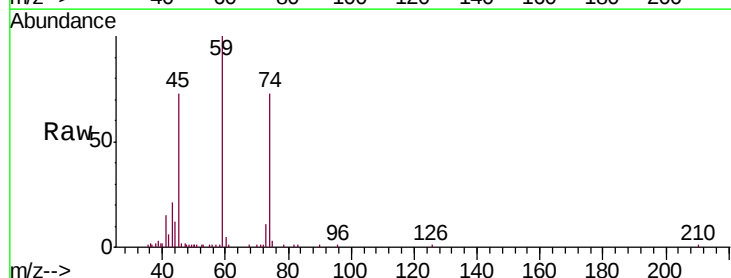
Tgt Ion:101 Resp: 19440
 Ion Ratio Lower Upper
 101 100
 103 56.2 47.0 70.6

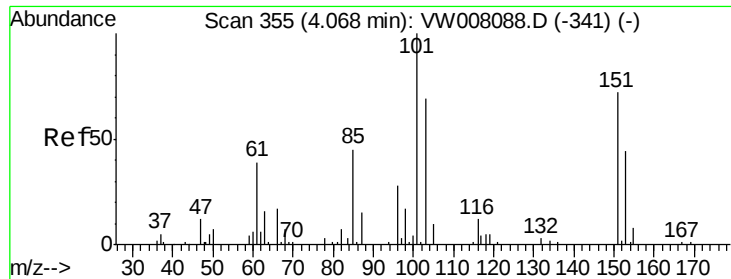


#8

Diethyl Ether
 Concen: 21.634 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 74 Resp: 12260
 Ion Ratio Lower Upper
 74 100
 45 103.4 52.4 157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.537 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

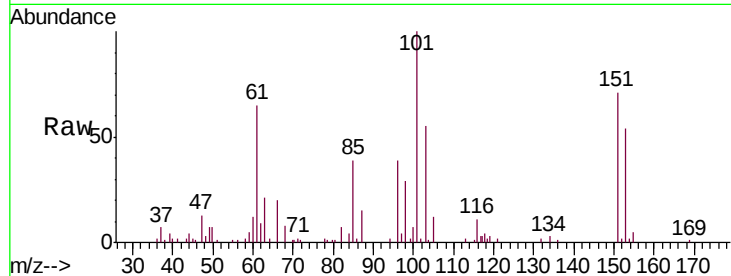
Tgt Ion:101 Resp: 21435

Ion Ratio Lower Upper

101 100

85 43.5 35.9 53.9

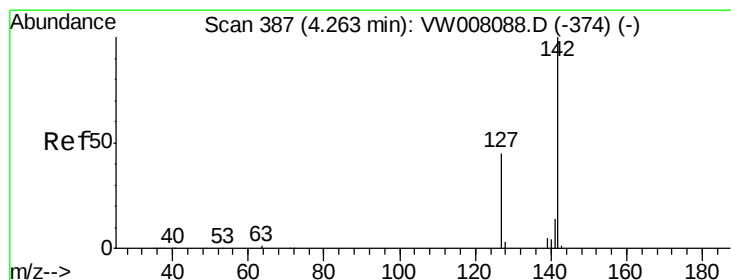
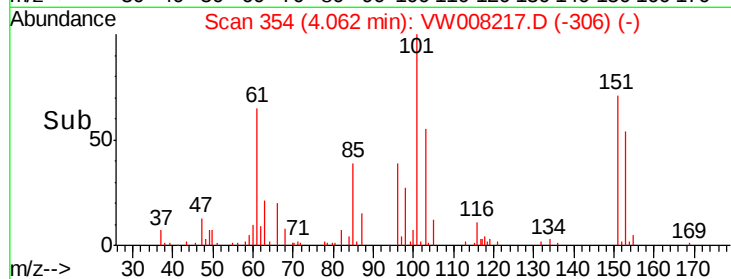
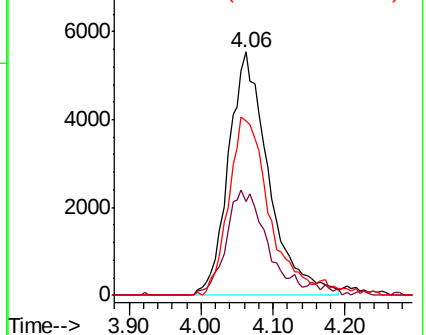
151 72.5 55.8 83.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.842 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

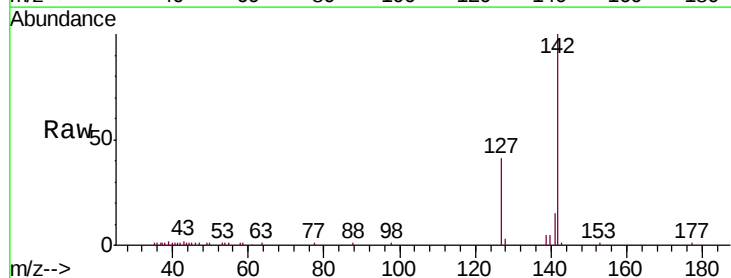
Tgt Ion:142 Resp: 33132

Ion Ratio Lower Upper

142 100

127 42.6 35.0 52.4

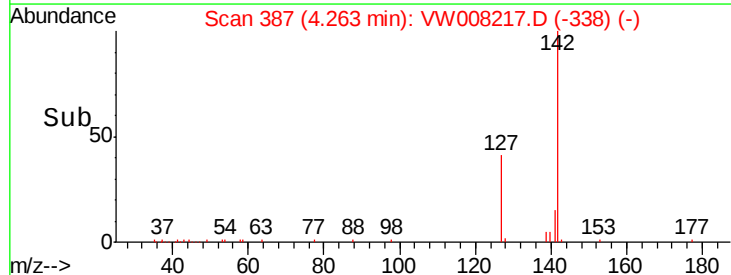
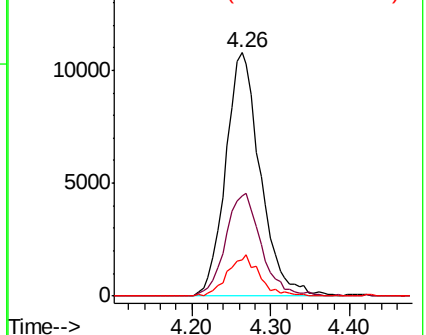
141 15.4 11.8 17.6

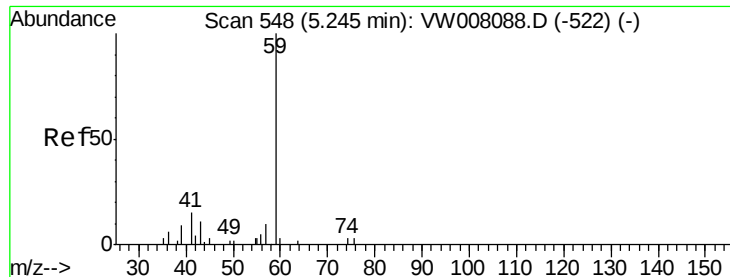


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

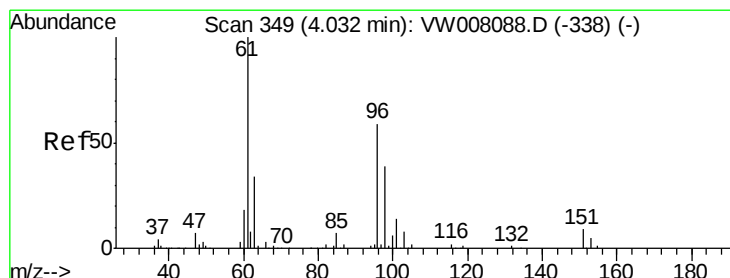
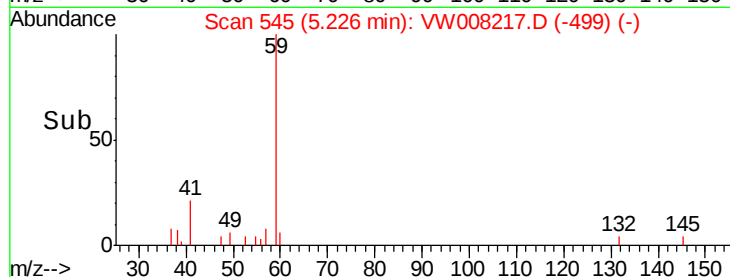
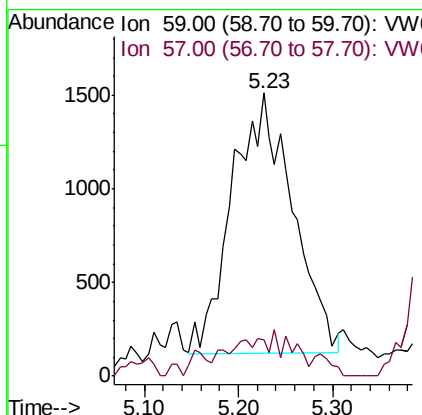
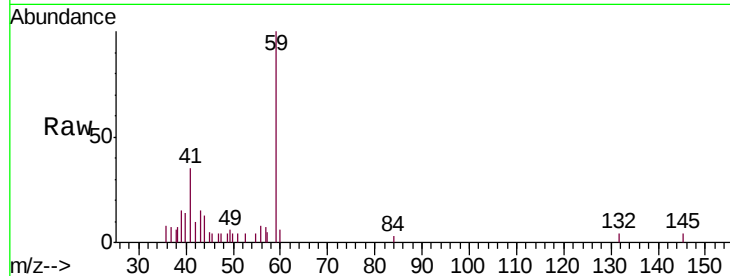




#11
Tert butyl alcohol
Concen: 83.268 ug/l
RT: 5.23 min Scan# 545
Delta R.T. -0.02 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

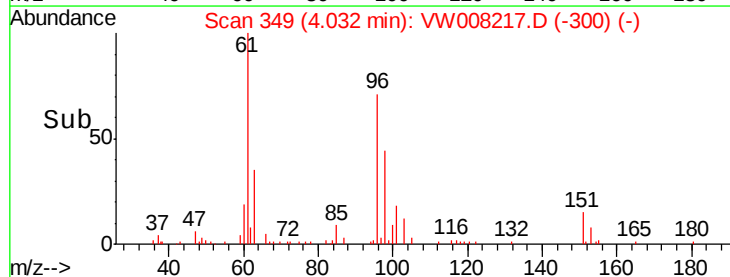
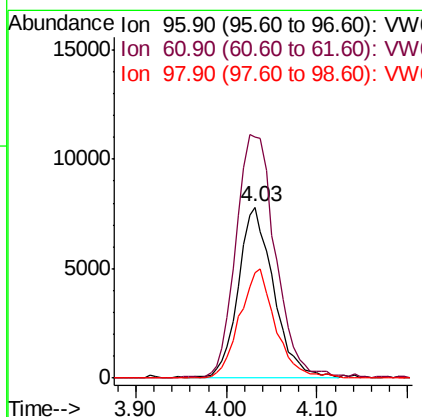
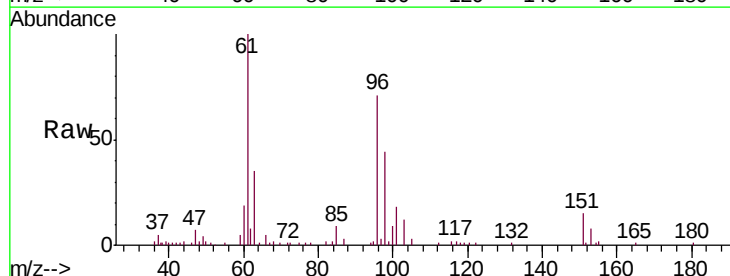
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

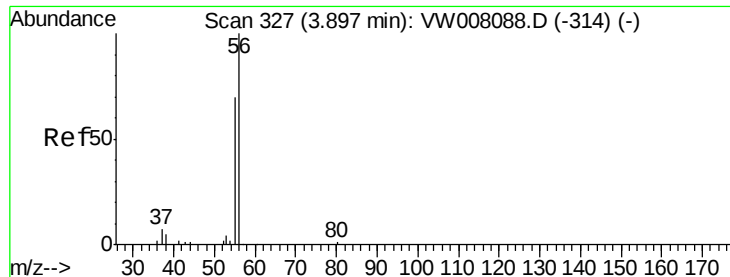
Tgt Ion: 59 Resp: 6230
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#12
1,1-Dichloroethene
Concen: 21.735 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion: 96 Resp: 21238
Ion Ratio Lower Upper
96 100
61 139.8 135.4 203.2
98 61.5 52.5 78.7





#13

Acrolein

Concen: 78.989 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

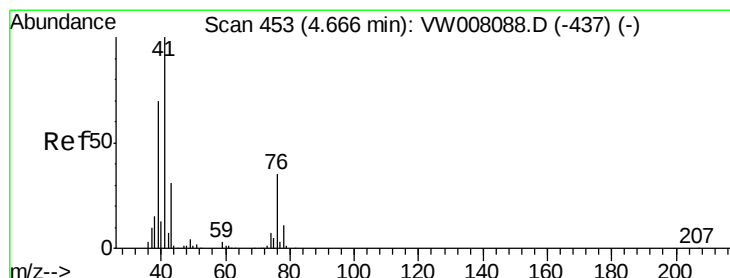
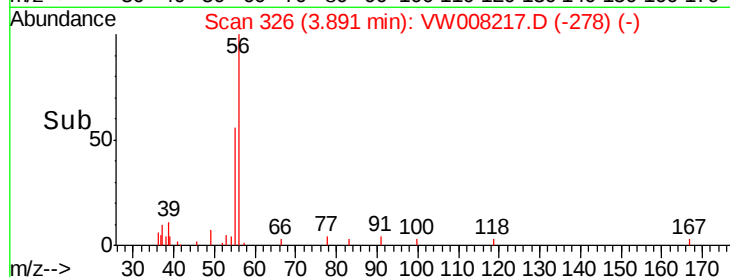
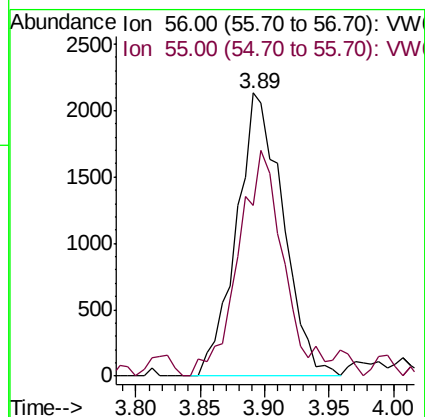
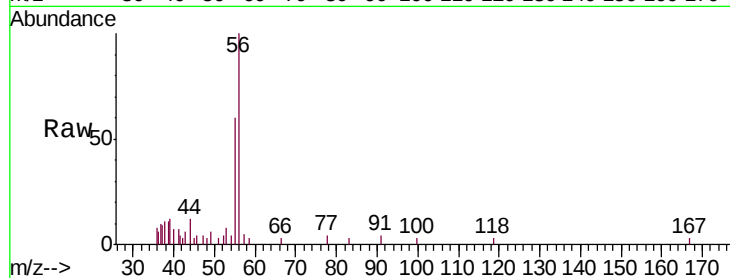
VW0111SBSD02

Tgt Ion: 56 Resp: 5342

Ion Ratio Lower Upper

56 100

55 76.4 56.6 84.8



#14

Allyl chloride

Concen: 20.488 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

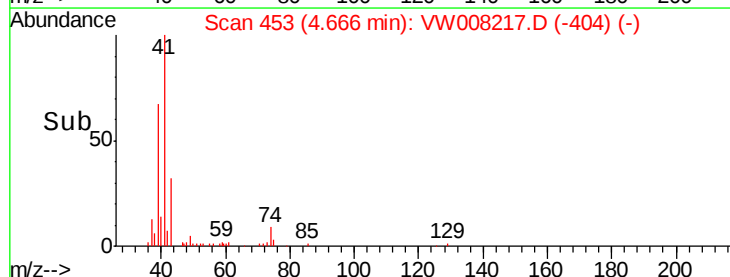
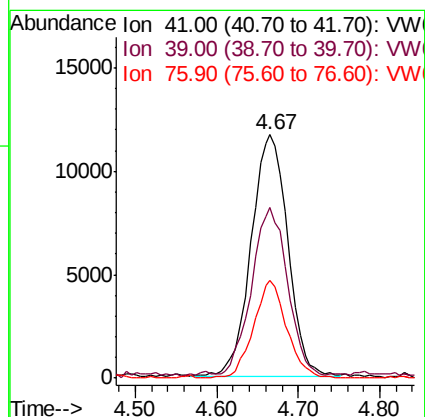
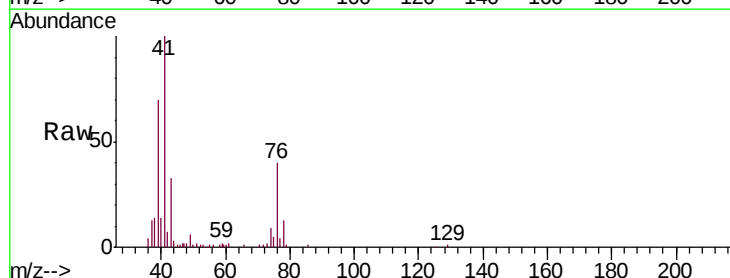
Tgt Ion: 41 Resp: 36347

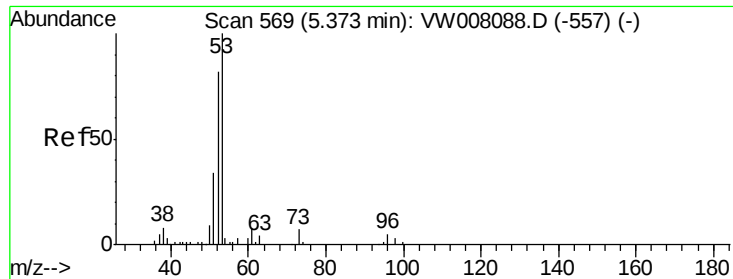
Ion Ratio Lower Upper

41 100

39 68.3 53.8 80.8

76 36.8 27.6 41.4





#15

Acrylonitrile

Concen: 115.750 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

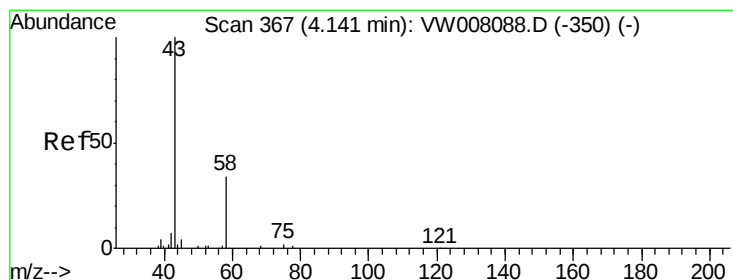
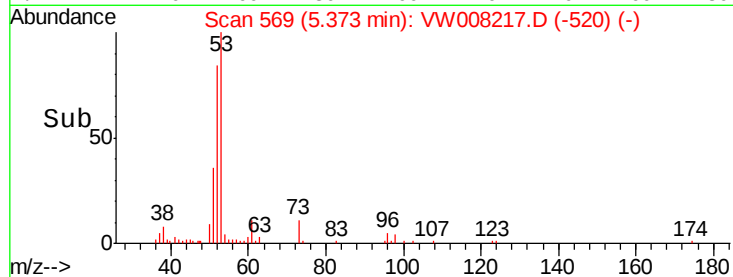
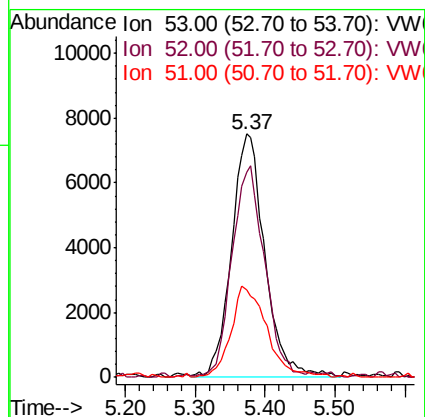
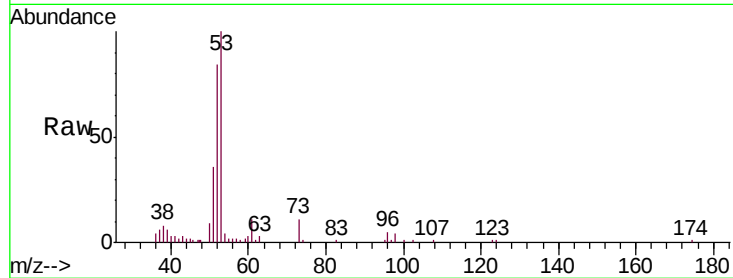
Tgt Ion: 53 Resp: 24973

Ion Ratio Lower Upper

53 100

52 83.3 66.8 100.2

51 40.1 29.7 44.5



#16

Acetone

Concen: 95.034 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW008217.D

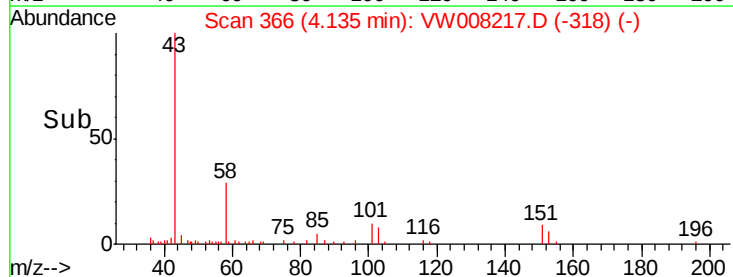
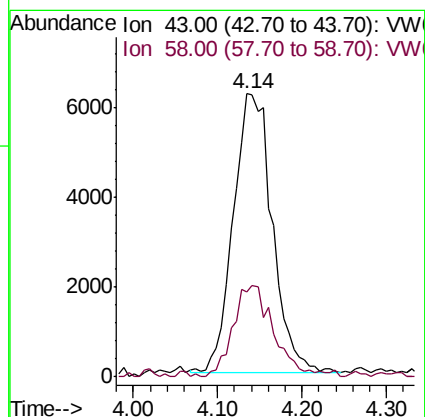
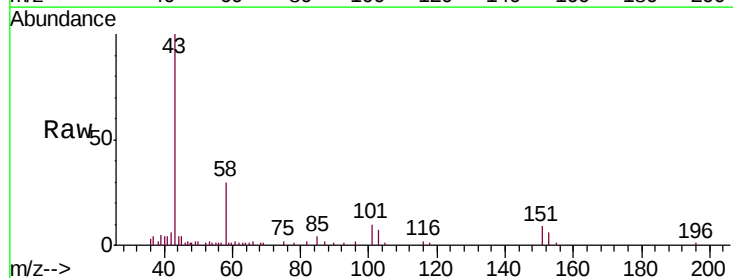
Acq: 12 Jan 2019 03:35

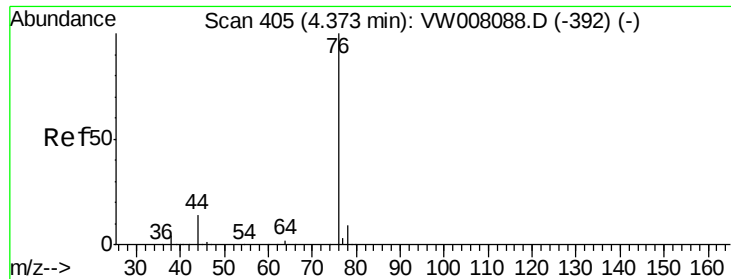
Tgt Ion: 43 Resp: 19494

Ion Ratio Lower Upper

43 100

58 30.4 27.5 41.3





#17

Carbon Disulfide

Concen: 20.491 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

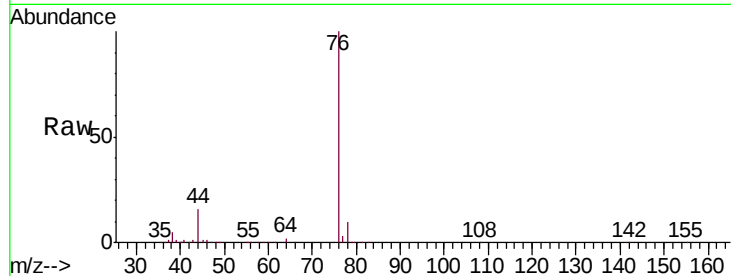
VW0111SBSD02

Tgt Ion: 76 Resp: 62549

Ion Ratio Lower Upper

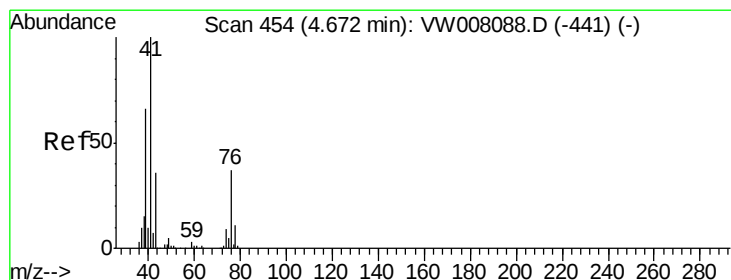
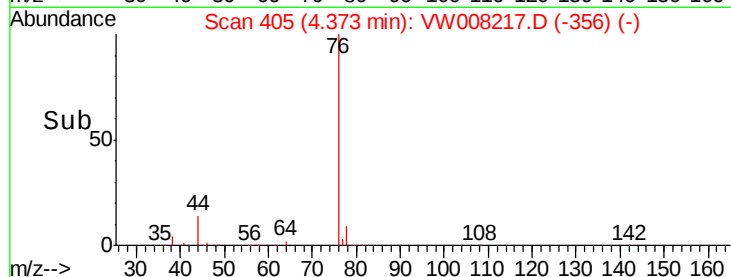
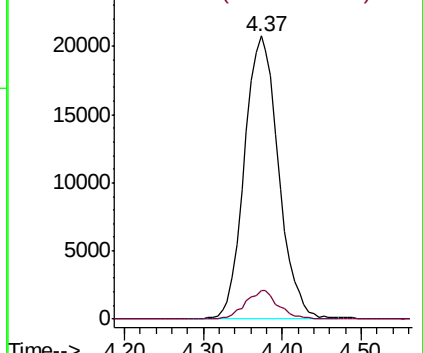
76 100

78 10.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.352 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW008217.D

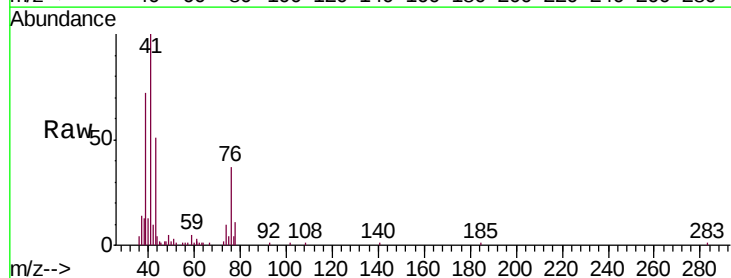
Acq: 12 Jan 2019 03:35

Tgt Ion: 43 Resp: 14167

Ion Ratio Lower Upper

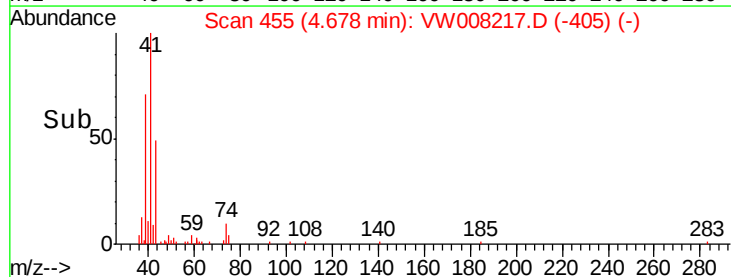
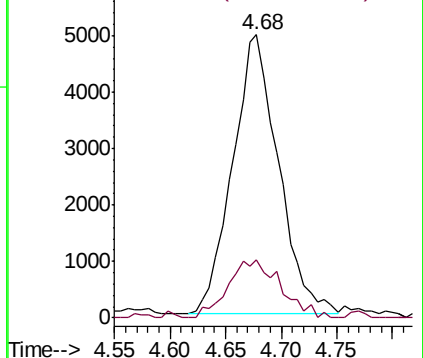
43 100

74 23.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

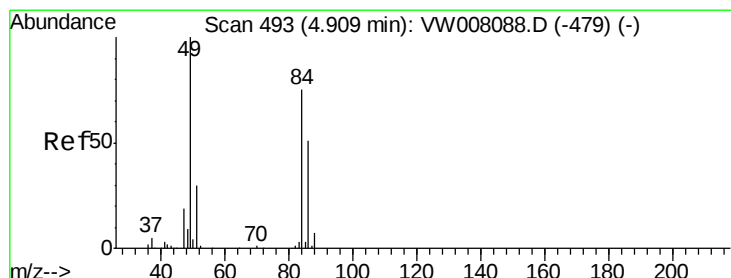
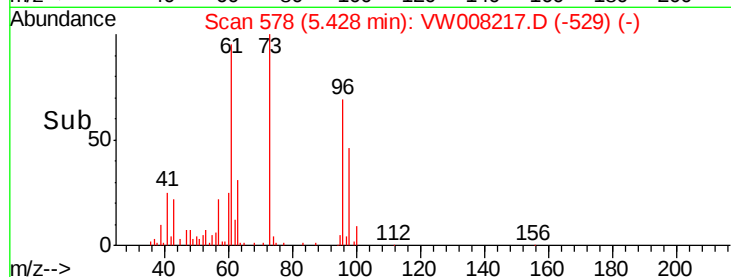
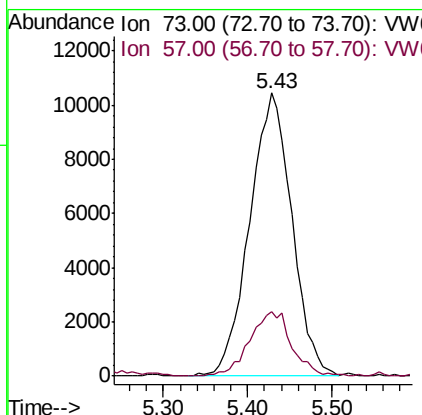
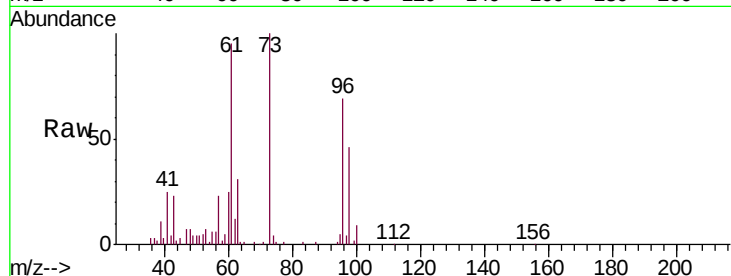




#19
Methyl tert-butyl Ether
Concen: 22.549 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

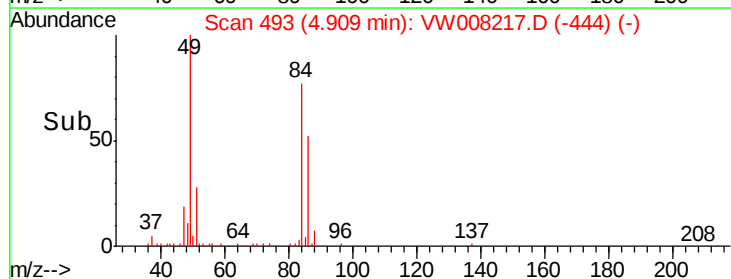
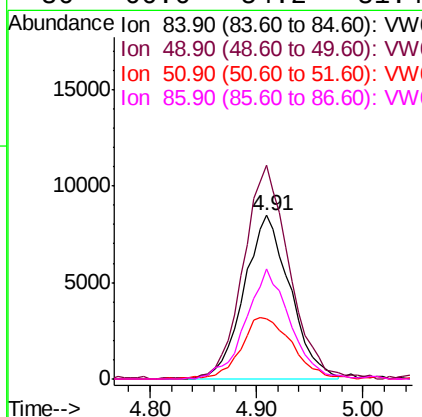
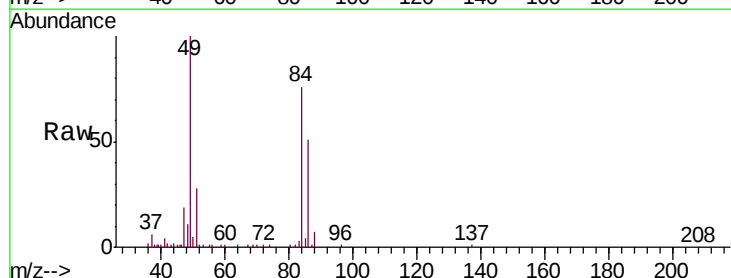
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

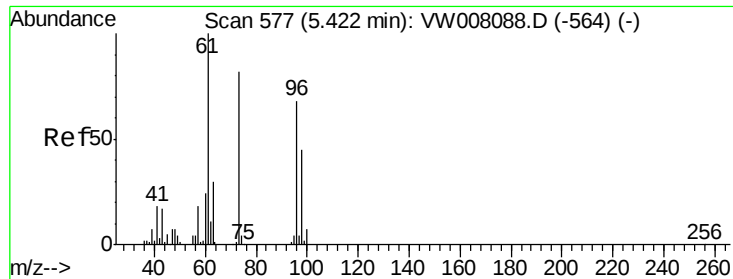
Tgt Ion: 73 Resp: 35820
Ion Ratio Lower Upper
73 100
57 22.9 16.7 25.1



#20
Methylene Chloride
Concen: 23.409 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion: 84 Resp: 25638
Ion Ratio Lower Upper
84 100
49 130.0 107.1 160.7
51 36.2 32.4 48.6
86 66.6 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 22.410 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

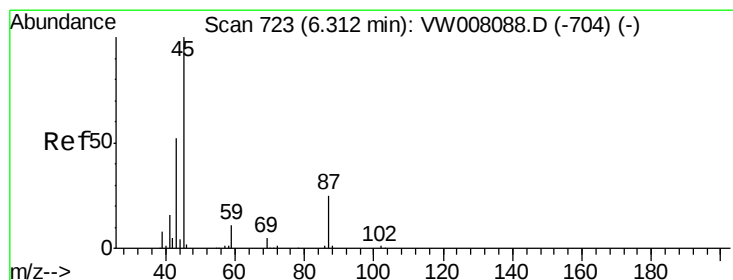
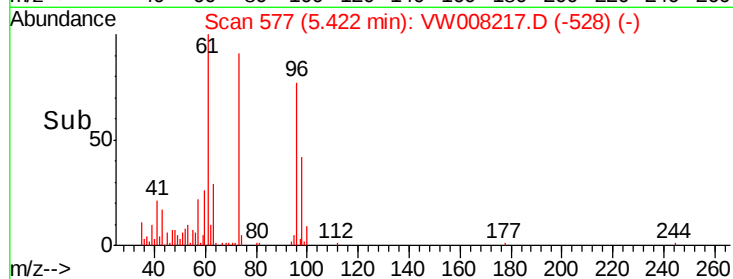
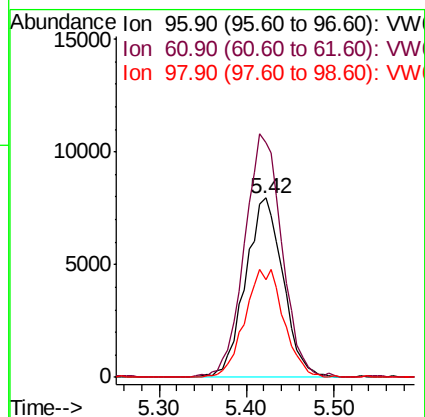
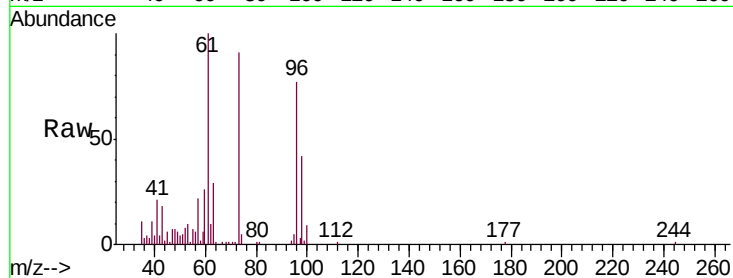
Tgt Ion: 96 Resp: 23797

Ion Ratio Lower Upper

96 100

61 130.6 117.4 176.0

98 54.4 52.2 78.4



#22

Diisopropyl ether

Concen: 21.845 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Tgt Ion: 45 Resp: 73911

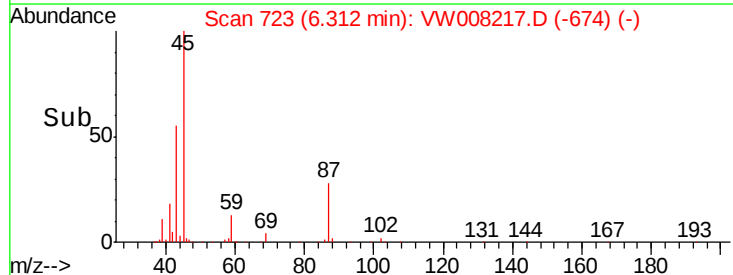
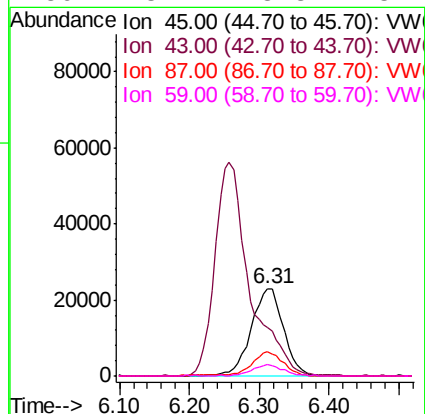
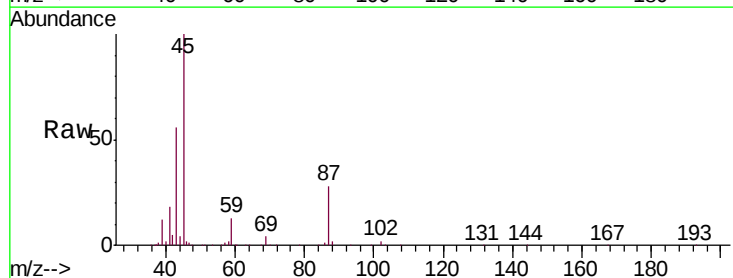
Ion Ratio Lower Upper

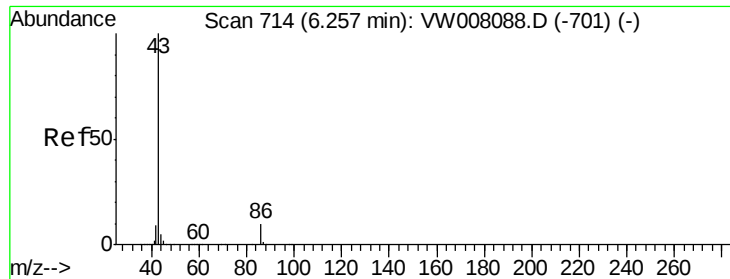
45 100

43 54.5 41.7 62.5

87 28.3 20.1 30.1

59 13.1 8.8 13.2

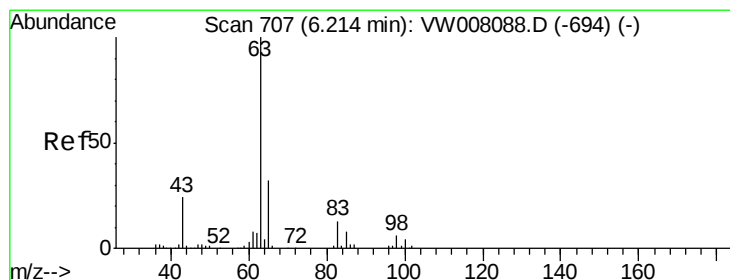
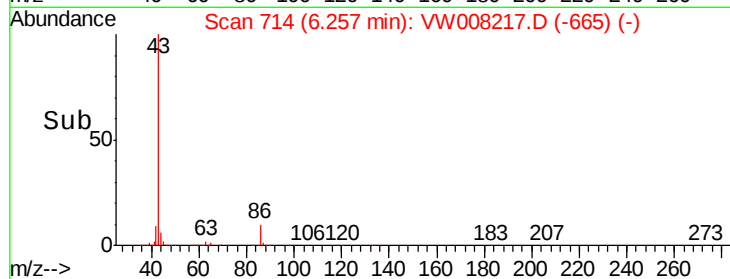
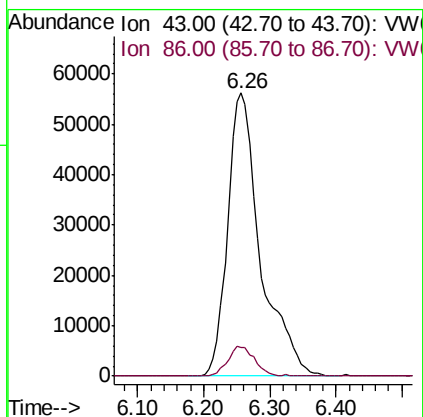
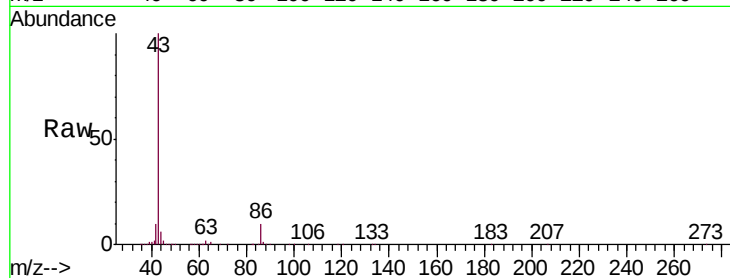




#23
 Vinyl Acetate
 Concen: 108.873 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

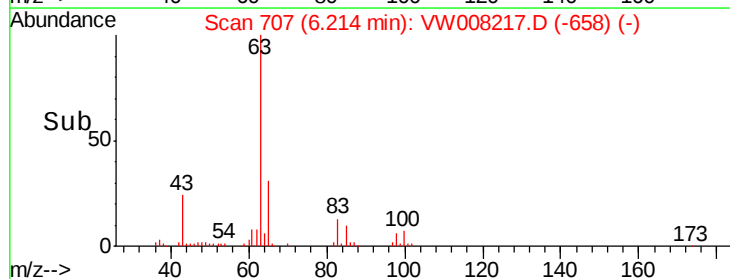
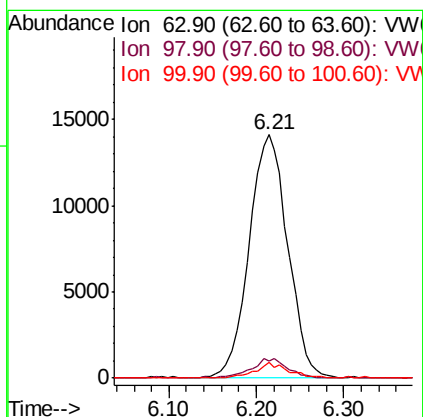
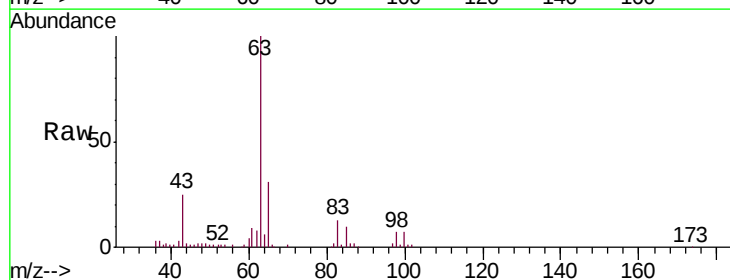
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

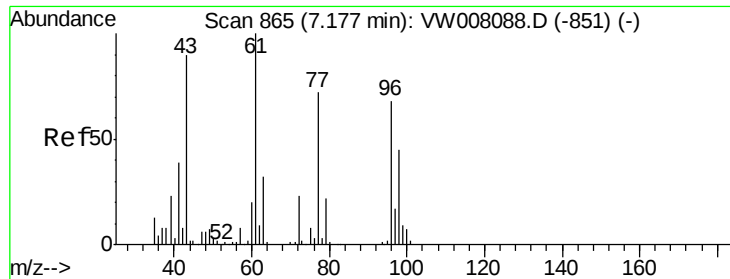
Tgt Ion: 43 Resp: 193467
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 21.901 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 63 Resp: 43175
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.2 9.6
 100 6.5 2.0 6.0#





#25

2-Butanone

Concen: 105.863 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

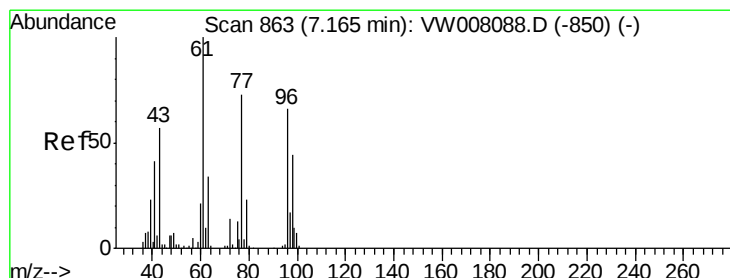
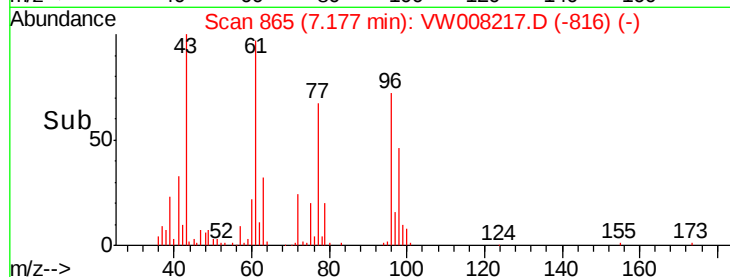
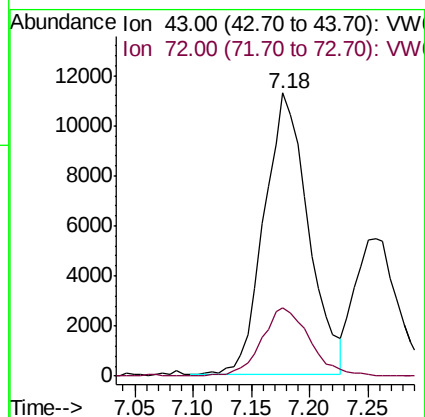
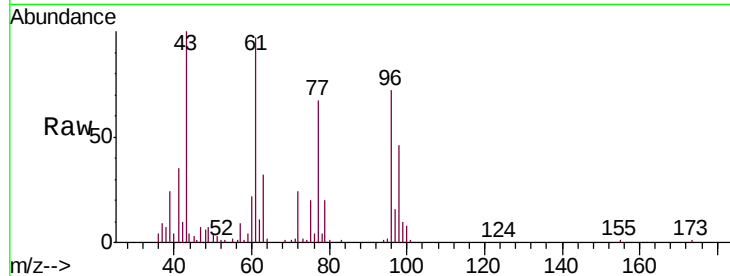
VW0111SBSD02

Tgt Ion: 43 Resp: 29538

Ion Ratio Lower Upper

43 100

72 24.5 20.5 30.7



#26

2,2-Dichloropropane

Concen: 19.676 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008217.D

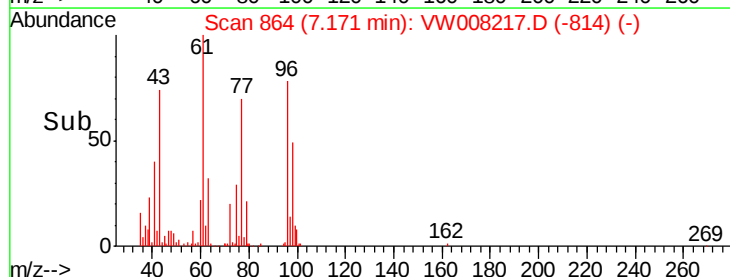
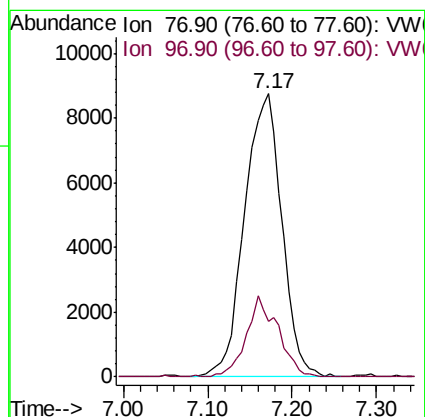
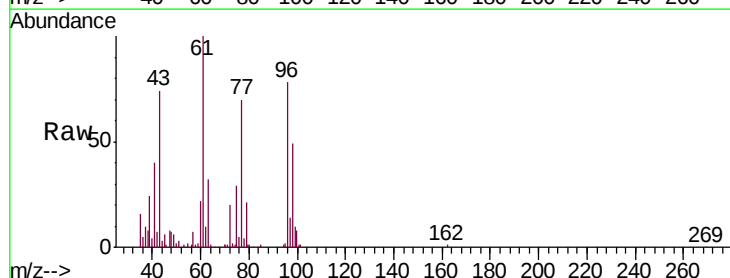
Acq: 12 Jan 2019 03:35

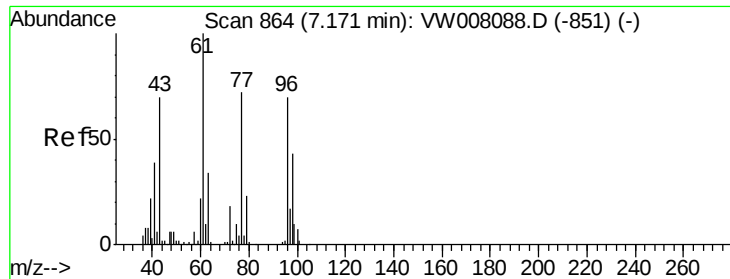
Tgt Ion: 77 Resp: 26283

Ion Ratio Lower Upper

77 100

97 24.3 11.4 34.1



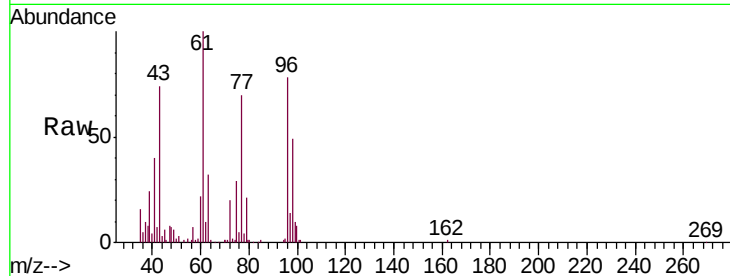


#27

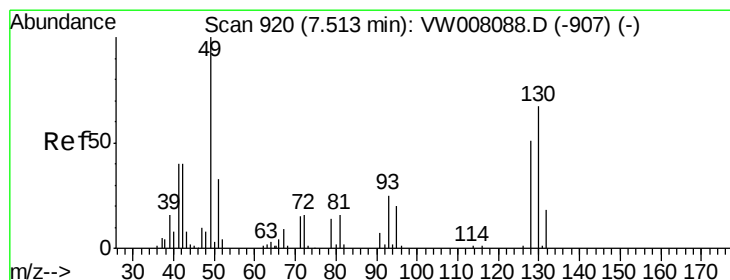
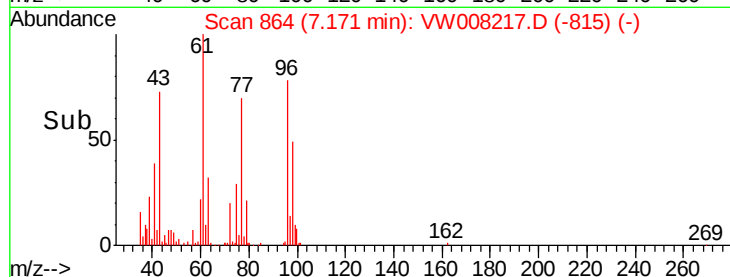
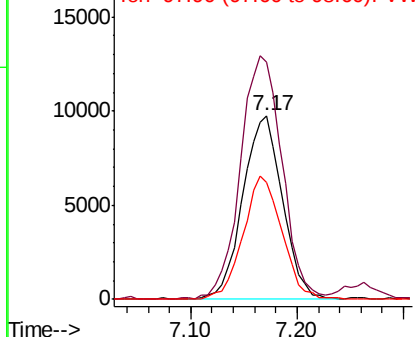
cis-1,2-Dichloroethene
 Concen: 22.031 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

Tgt Ion: 96 Resp: 25524
 Ion Ratio Lower Upper
 96 100
 61 139.6 0.0 300.4
 98 66.0 0.0 128.4



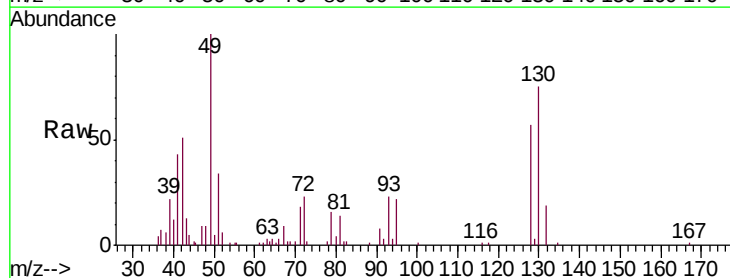
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



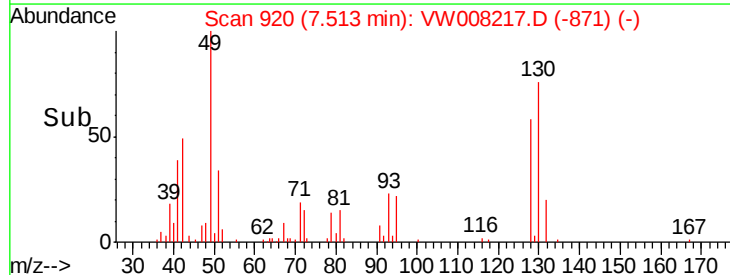
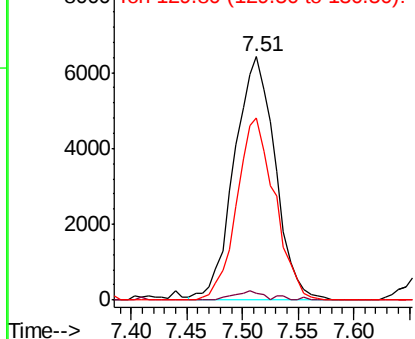
#28

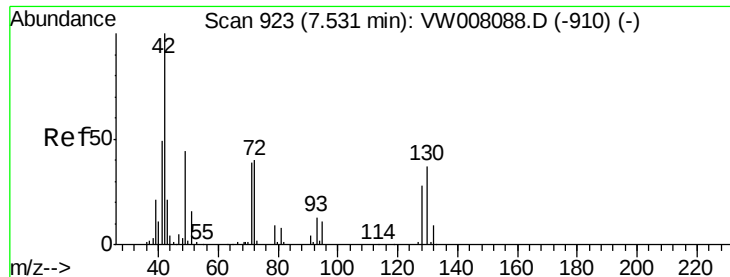
Bromochloromethane
 Concen: 21.000 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 49 Resp: 16375
 Ion Ratio Lower Upper
 49 100
 129 2.5 0.0 2.8
 130 69.9 54.3 81.5



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

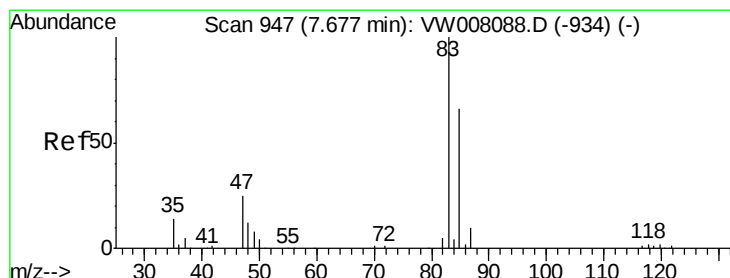
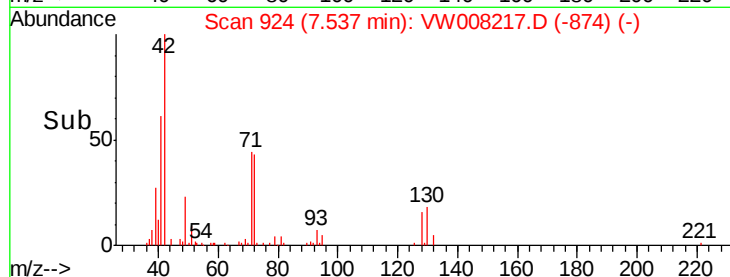
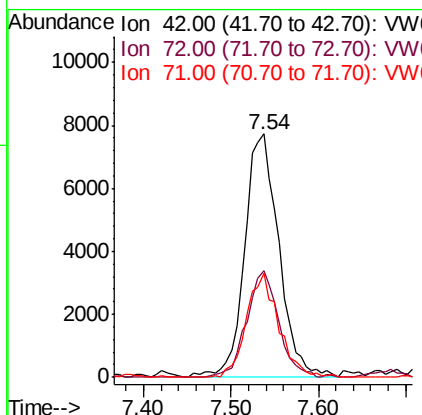
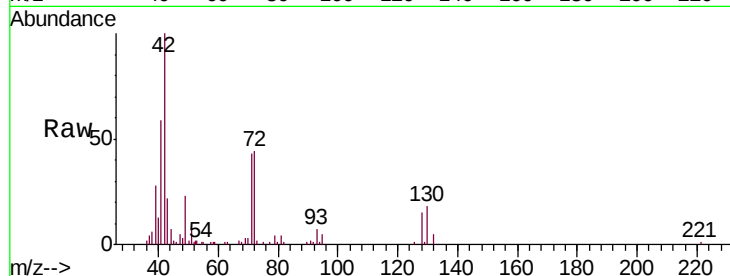




#29
Tetrahydrofuran
Concen: 112.742 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

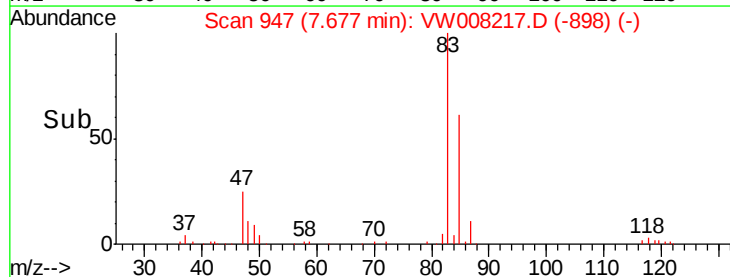
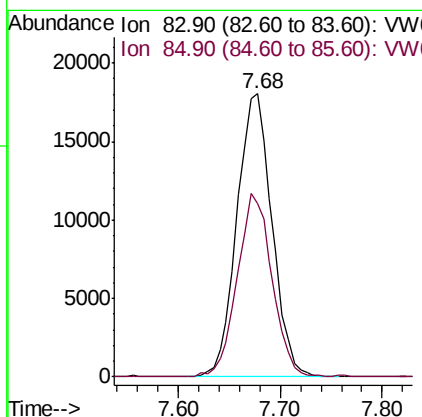
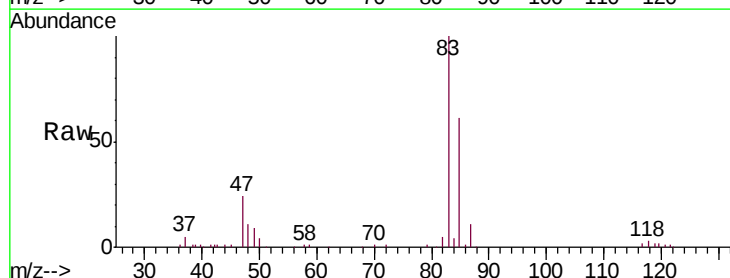
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

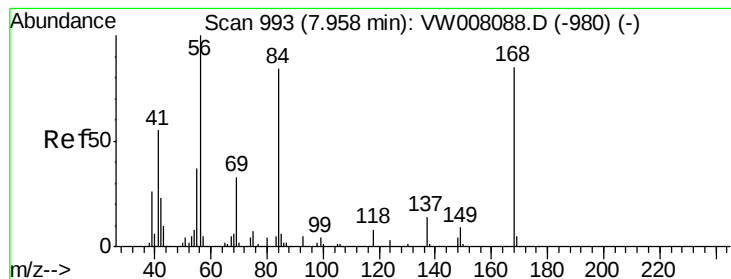
Tgt Ion: 42 Resp: 21013
Ion Ratio Lower Upper
42 100
72 41.0 32.4 48.6
71 40.2 31.3 46.9



#30
Chloroform
Concen: 22.932 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion: 83 Resp: 43032
Ion Ratio Lower Upper
83 100
85 61.2 53.2 79.8





#31

Cyclohexane

Concen: 18.815 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

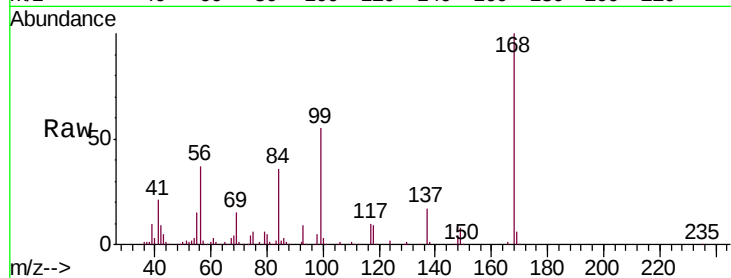
Tgt Ion: 56 Resp: 39707

Ion Ratio Lower Upper

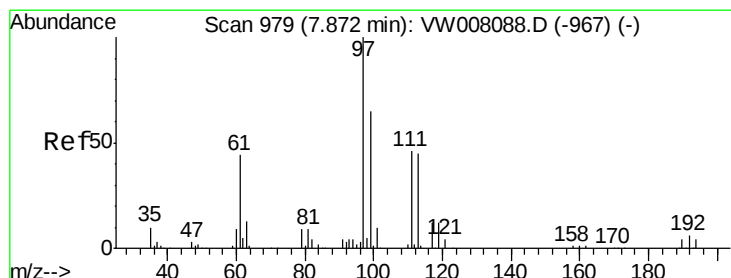
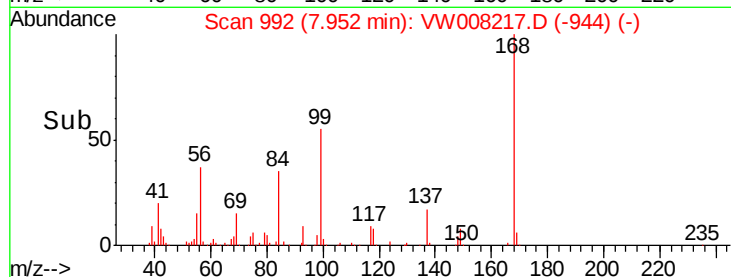
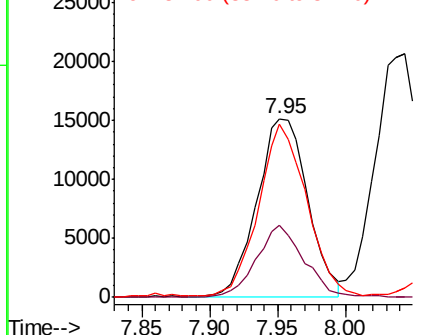
56 100

69 40.4 26.2 39.4#

84 95.7 67.4 101.2



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: 21.726 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

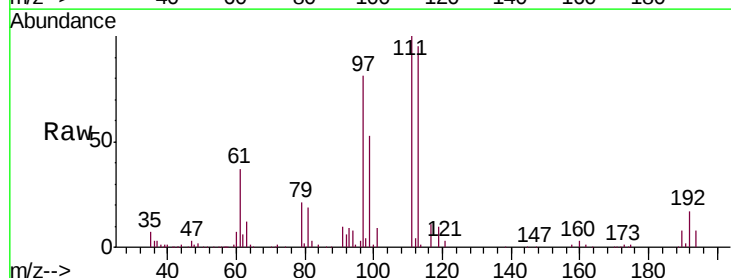
Tgt Ion: 97 Resp: 35474

Ion Ratio Lower Upper

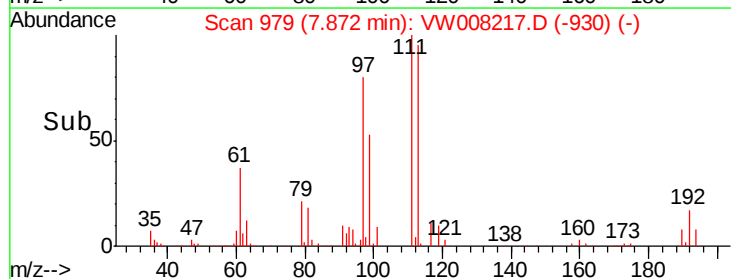
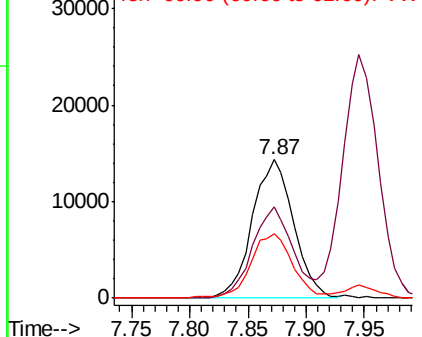
97 100

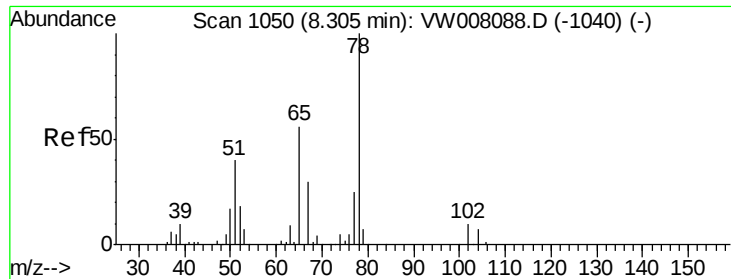
99 65.3 51.4 77.0

61 46.6 35.6 53.4



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: 53.858 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

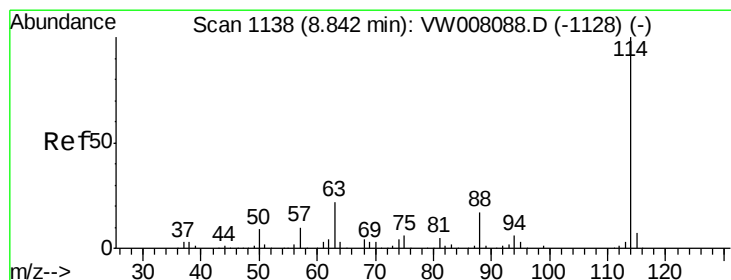
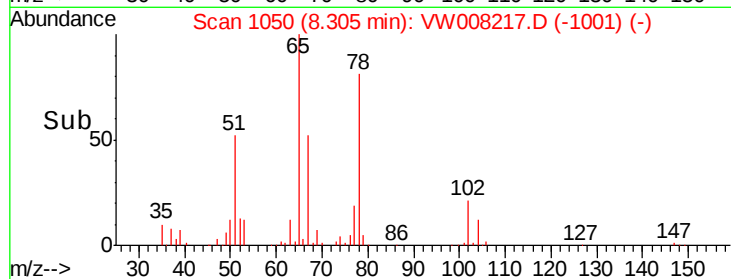
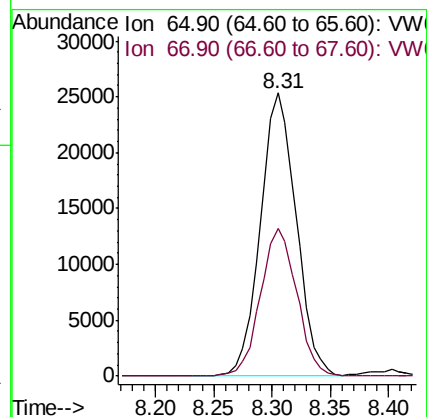
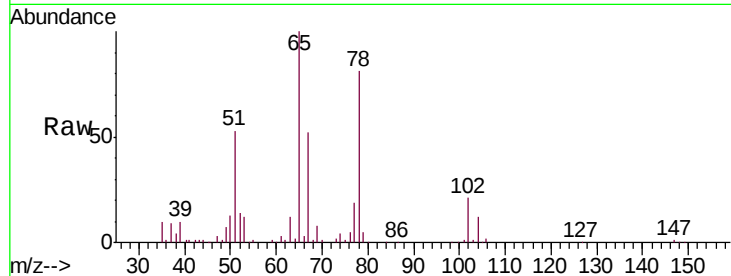
VW0111SBSD02

Tgt Ion: 65 Resp: 54011

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

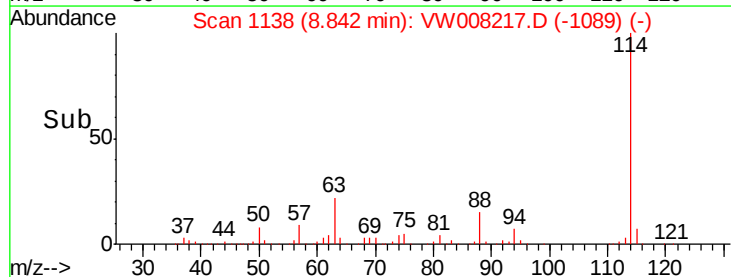
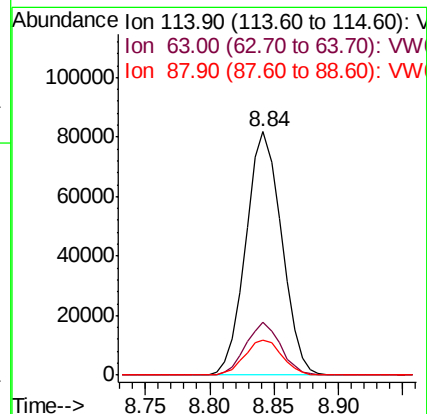
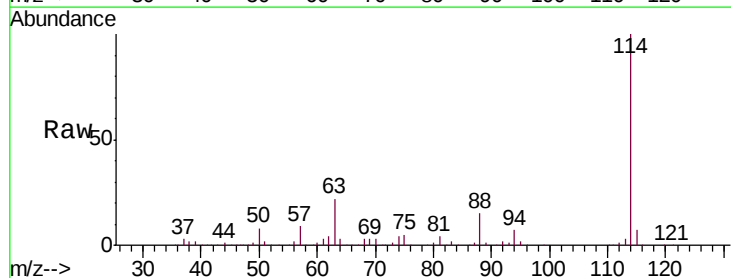
Tgt Ion: 114 Resp: 157358

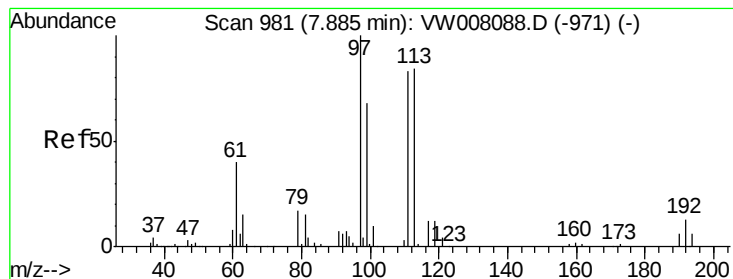
Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

88 14.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 56.876 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

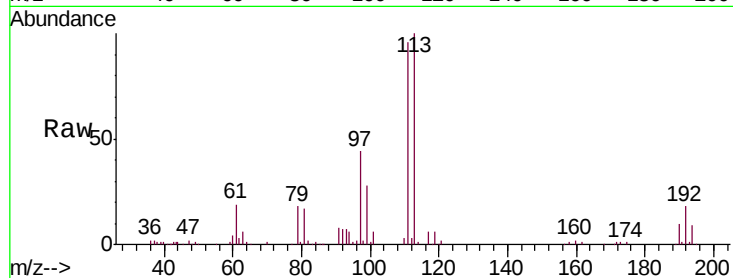
Tgt Ion:113 Resp: 52199

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

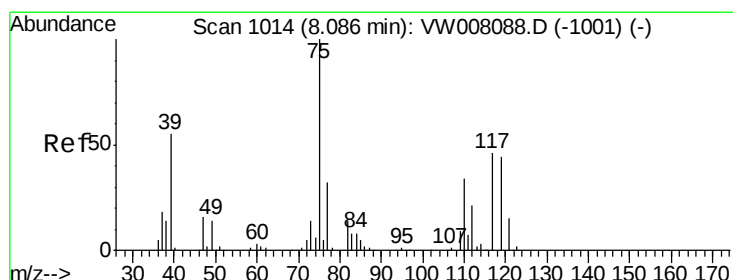
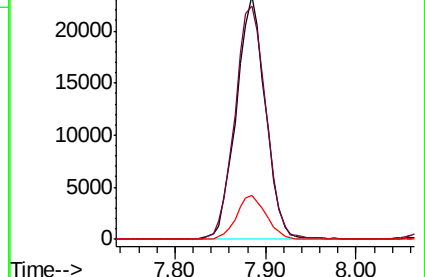
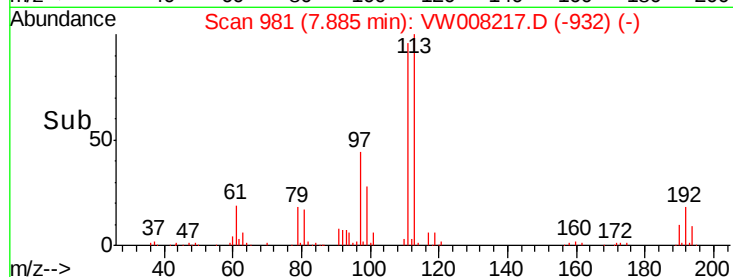
192 18.3 12.8 19.2



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: 20.718 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

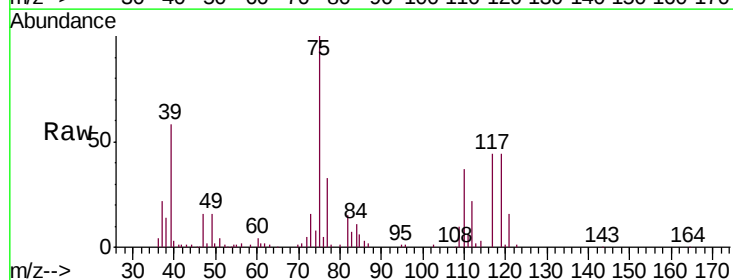
Tgt Ion: 75 Resp: 33582

Ion Ratio Lower Upper

75 100

110 35.6 17.1 51.3

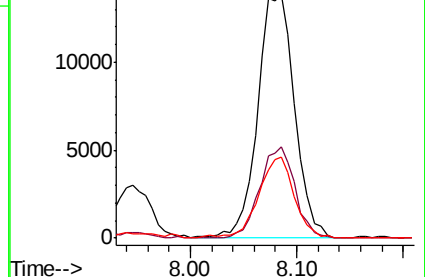
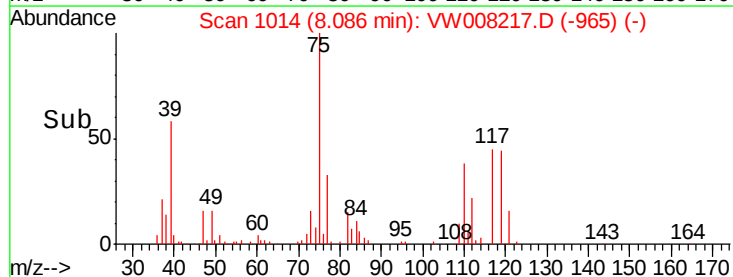
77 31.9 25.5 38.3

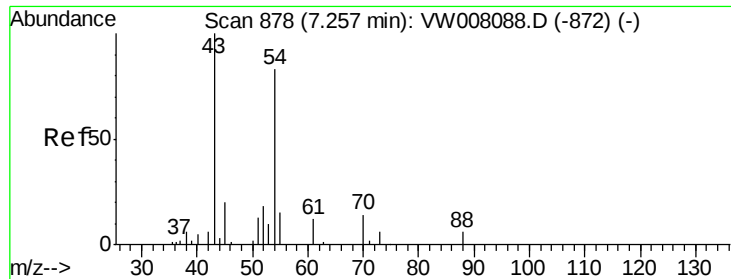


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

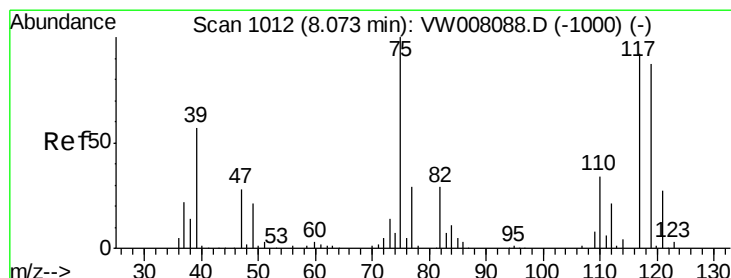
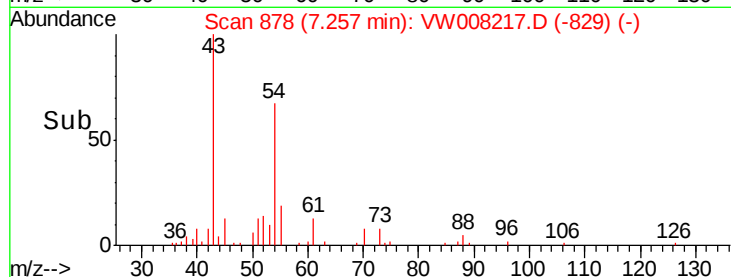
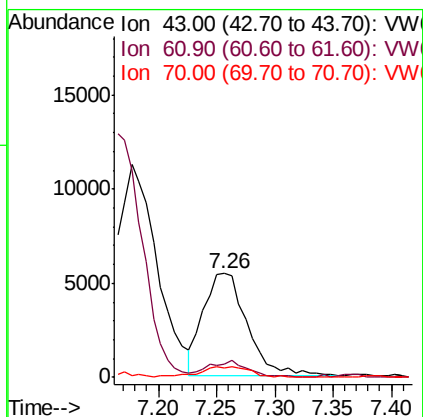
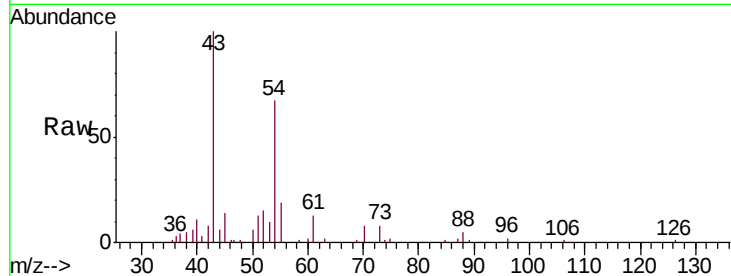




#37
 Ethyl Acetate
 Concen: 21.686 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

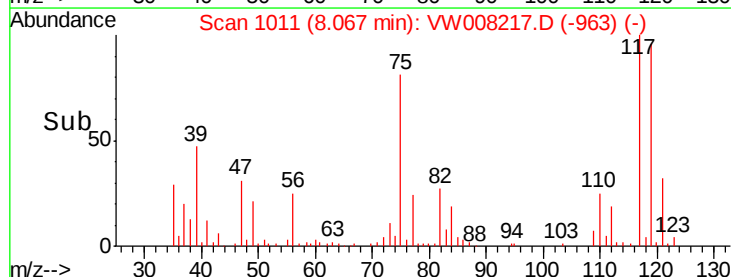
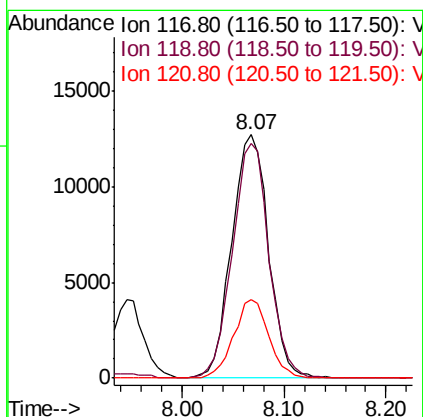
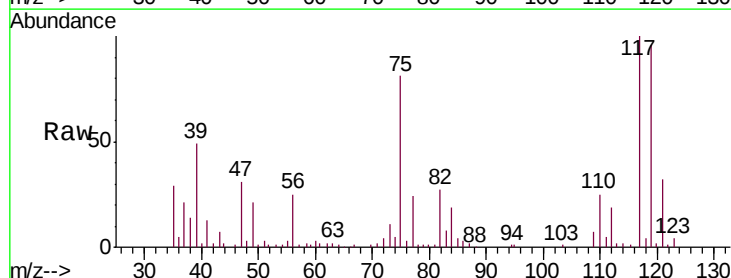
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

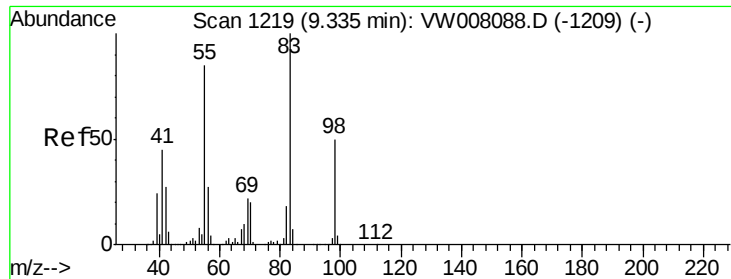
Tgt Ion: 43 Resp: 14083
 Ion Ratio Lower Upper
 43 100
 61 14.8 10.6 16.0
 70 5.1 8.9 13.3#



#38
 Carbon Tetrachloride
 Concen: 21.433 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 117 Resp: 31798
 Ion Ratio Lower Upper
 117 100
 119 96.3 75.8 113.8
 121 32.1 23.7 35.5

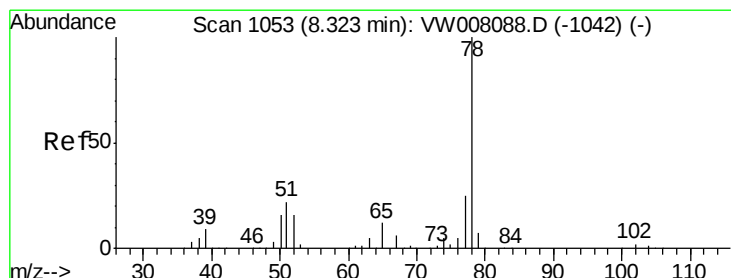
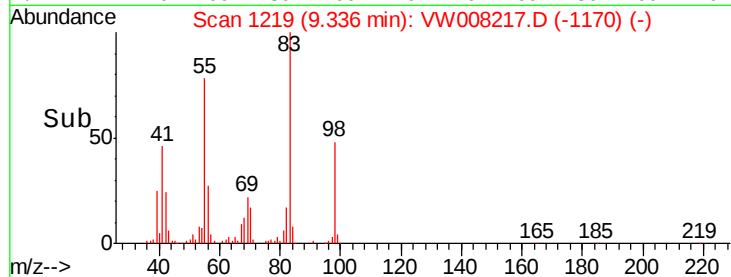
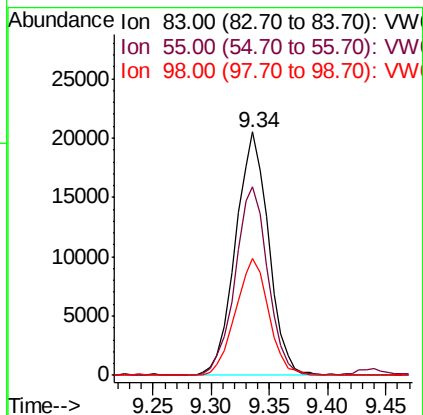
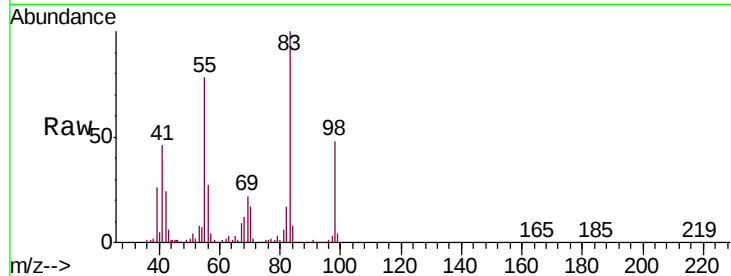




#39
Methylcyclohexane
Concen: 19.818 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

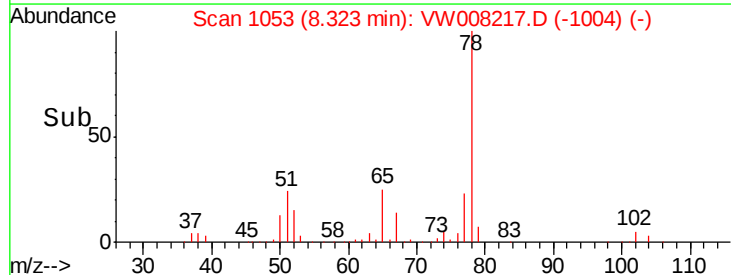
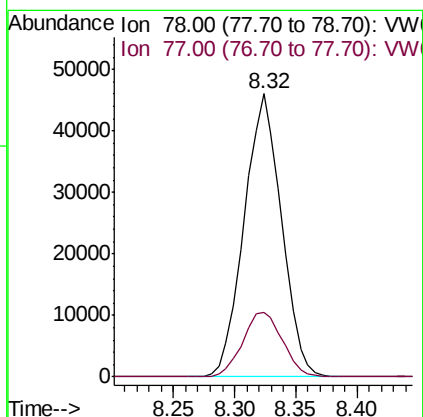
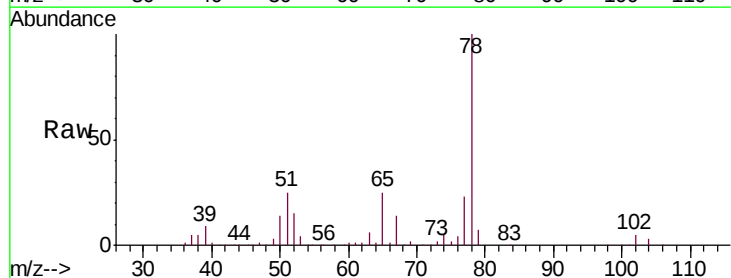
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

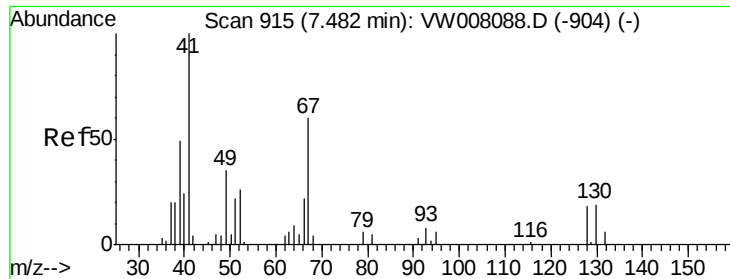
Tgt Ion: 83 Resp: 40733
Ion Ratio Lower Upper
83 100
55 77.5 67.8 101.6
98 47.9 40.2 60.4



#40
Benzene
Concen: 22.281 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion: 78 Resp: 97958
Ion Ratio Lower Upper
78 100
77 22.8 20.2 30.4





#41

Methacrylonitrile

Concen: 22.290 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampled :

VW0111SBSD02

Tgt Ion: 41 Resp: 9144

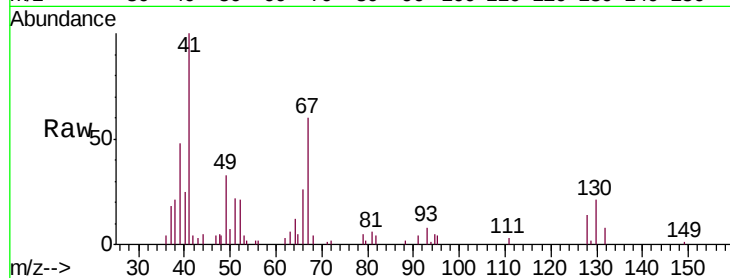
Ion Ratio Lower Upper

41 100

39 46.7 47.9 71.9#

67 70.2 56.3 84.5

52 34.0 24.5 36.7

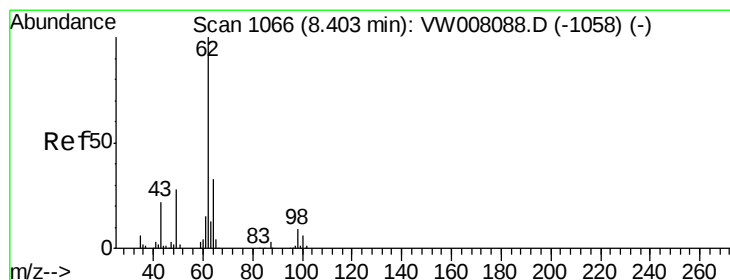
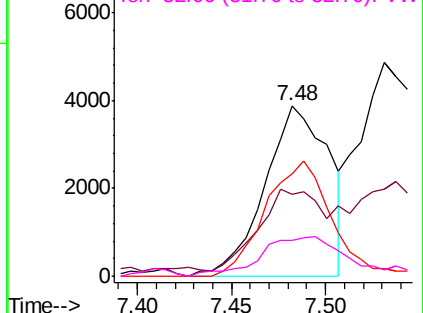
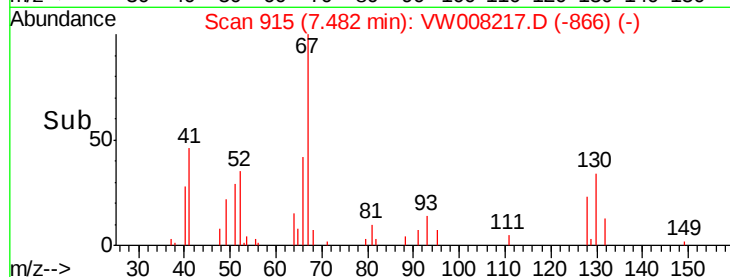


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 21.881 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008217.D

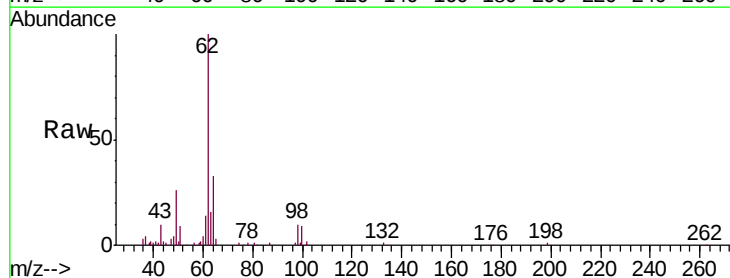
Acq: 12 Jan 2019 03:35

Tgt Ion: 62 Resp: 27056

Ion Ratio Lower Upper

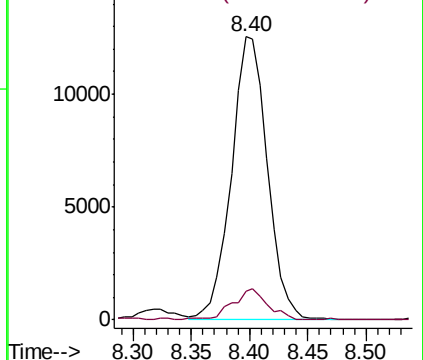
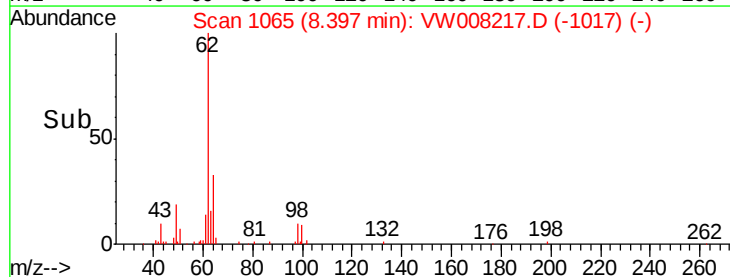
62 100

98 10.7 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.450 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

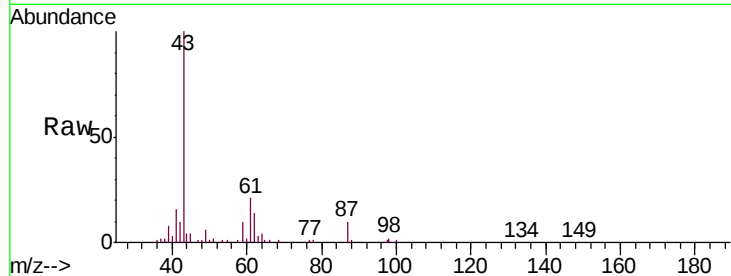
Tgt Ion: 43 Resp: 27851

Ion Ratio Lower Upper

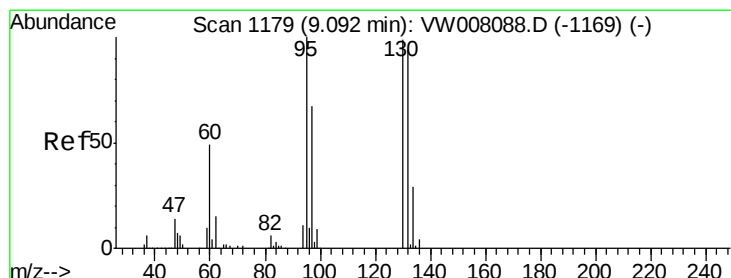
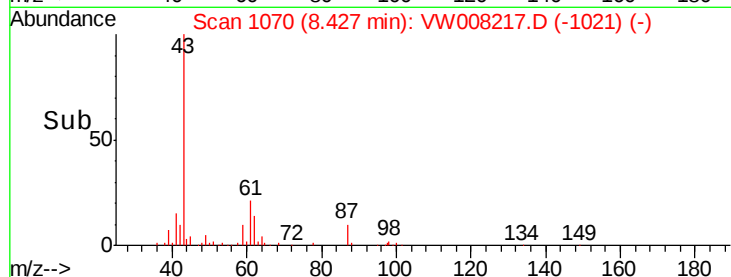
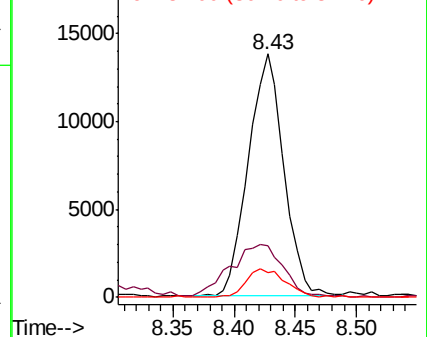
43 100

61 32.9 24.8 37.2

87 13.1 10.4 15.6



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



#44

Trichloroethene

Concen: 22.546 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008217.D

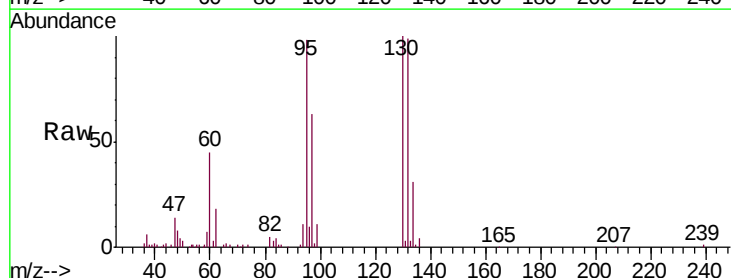
Acq: 12 Jan 2019 03:35

Tgt Ion: 130 Resp: 25374

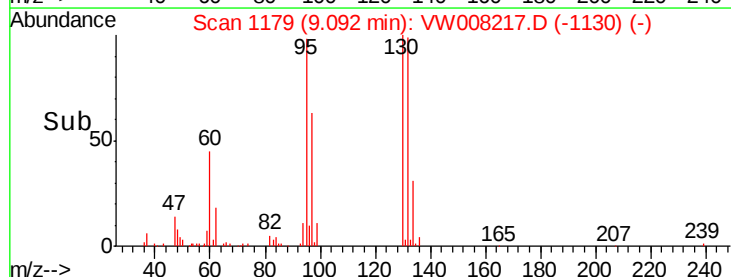
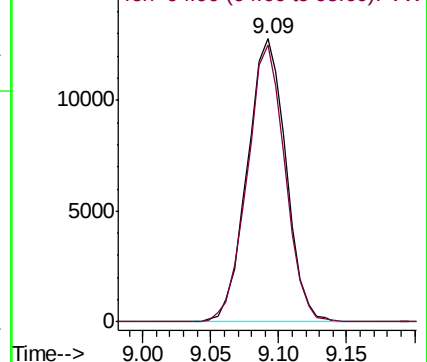
Ion Ratio Lower Upper

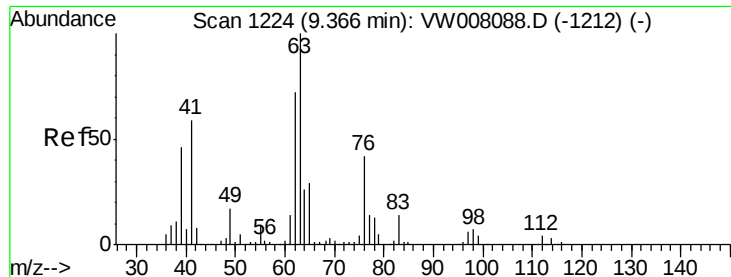
130 100

95 97.6 0.0 202.8



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

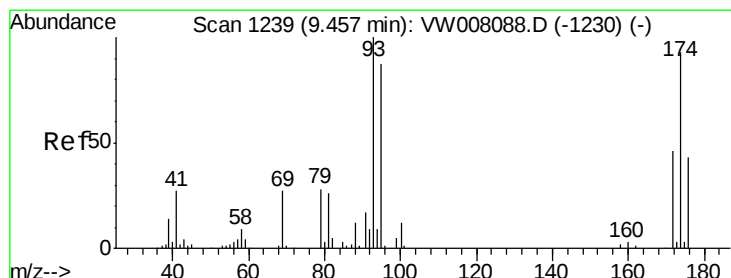
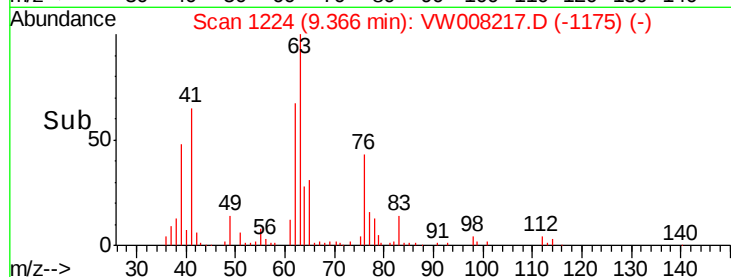
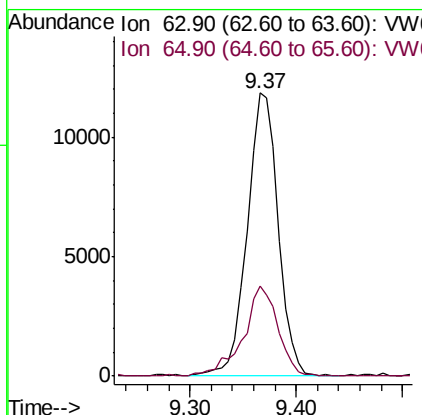
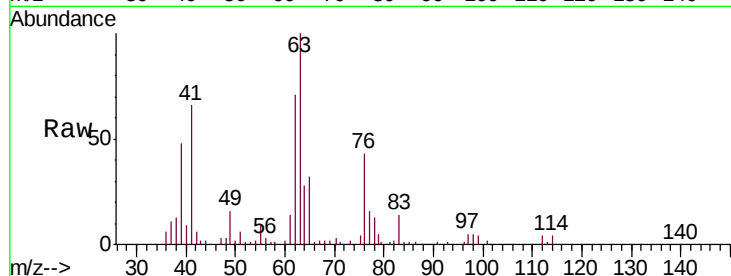




#45
 1,2-Dichloropropane
 Concen: 22.238 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

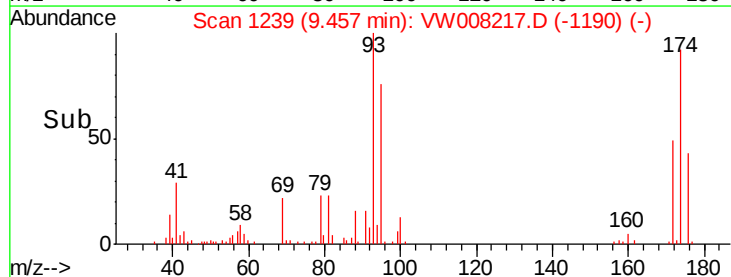
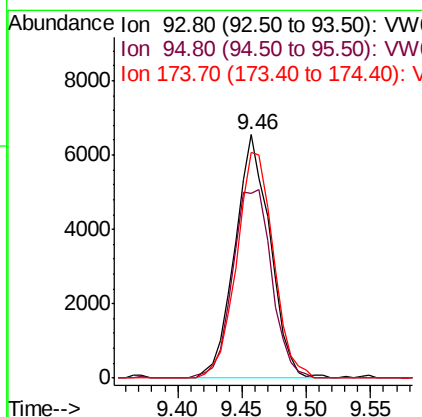
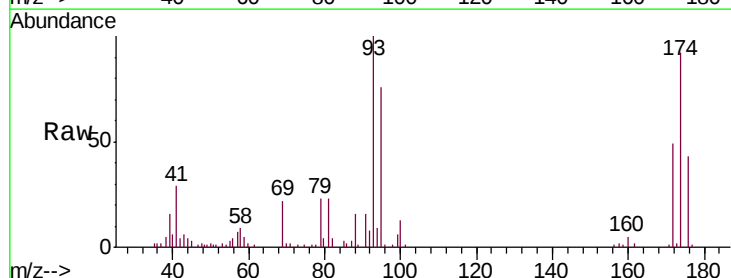
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

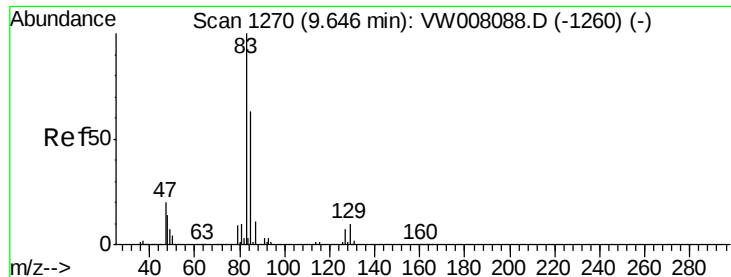
Tgt Ion: 63 Resp: 24242
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.3 34.9



#46
 Dibromomethane
 Concen: 23.203 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 93 Resp: 12422
 Ion Ratio Lower Upper
 93 100
 95 85.7 67.5 101.3
 174 96.4 72.5 108.7





#47

Bromodichloromethane

Concen: 22.296 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

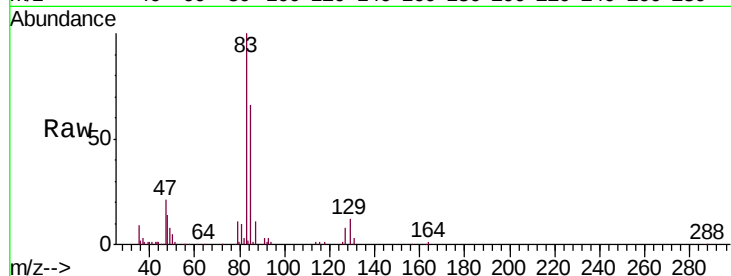
Tgt Ion: 83 Resp: 30309

Ion Ratio Lower Upper

83 100

85 65.6 50.7 76.1

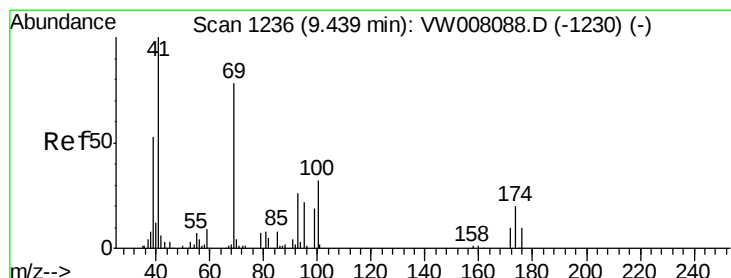
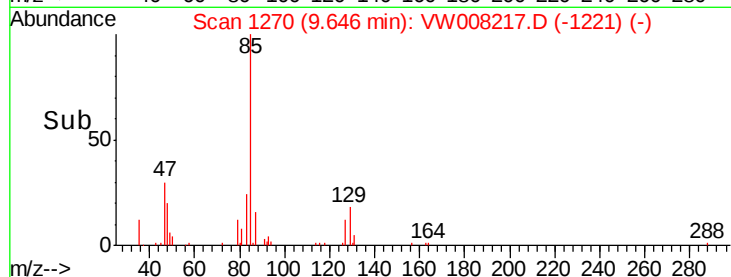
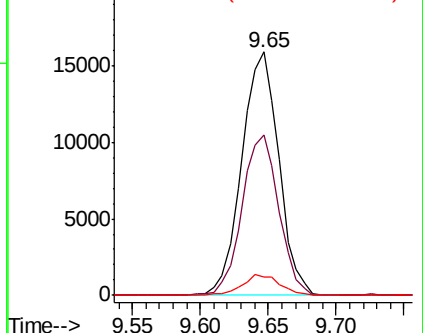
127 7.6 6.0 9.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.604 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

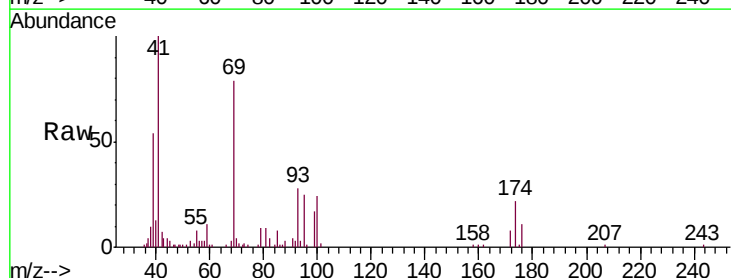
Tgt Ion: 41 Resp: 13236

Ion Ratio Lower Upper

41 100

69 86.7 61.9 92.9

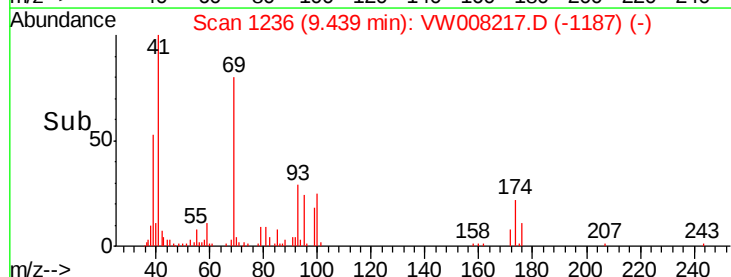
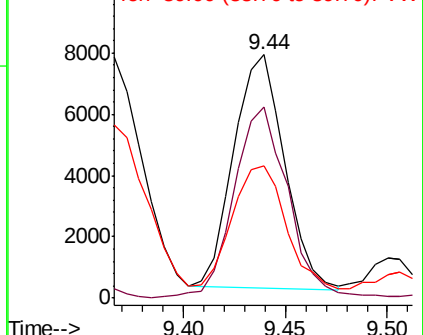
39 61.7 43.0 64.4

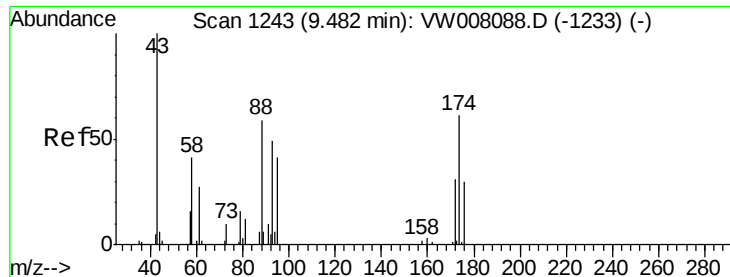


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

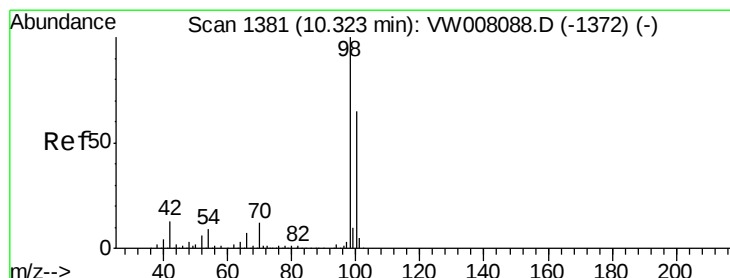
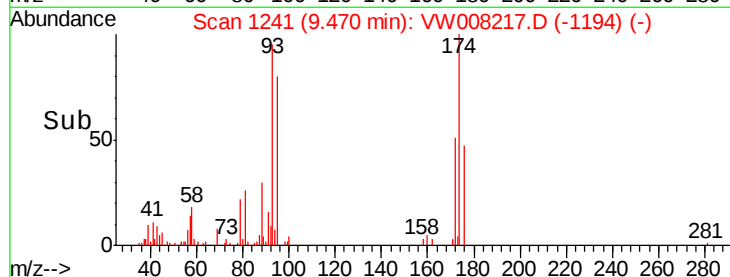
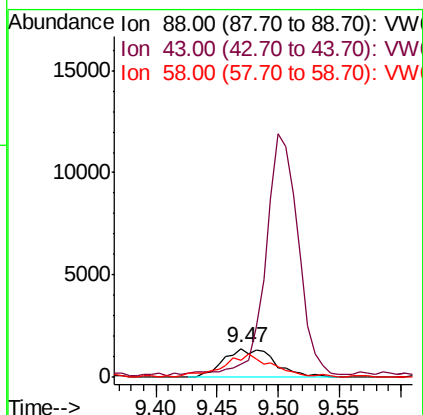
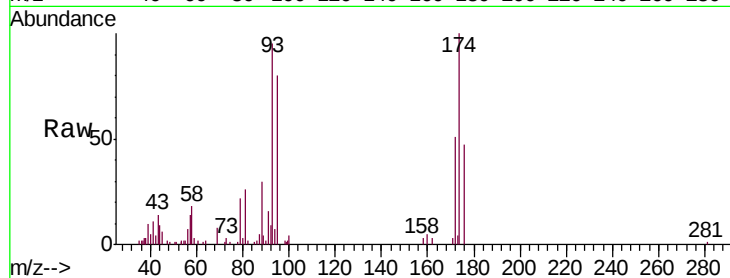




#49
1,4-Dioxane
Concen: 477.250 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

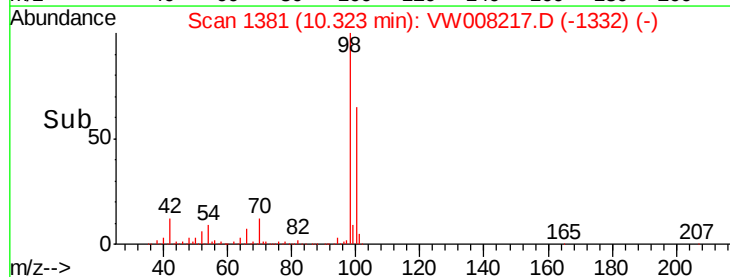
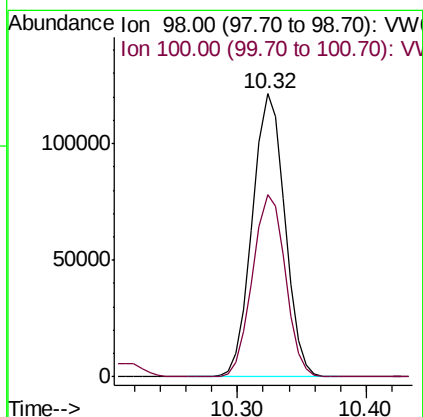
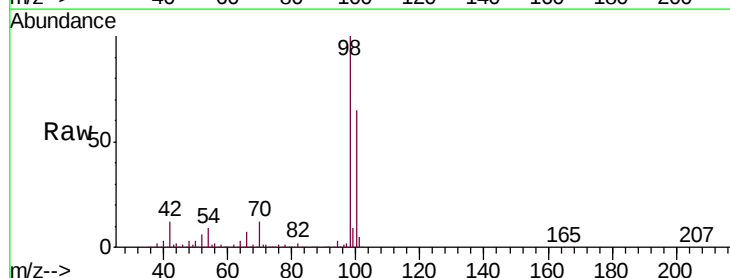
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

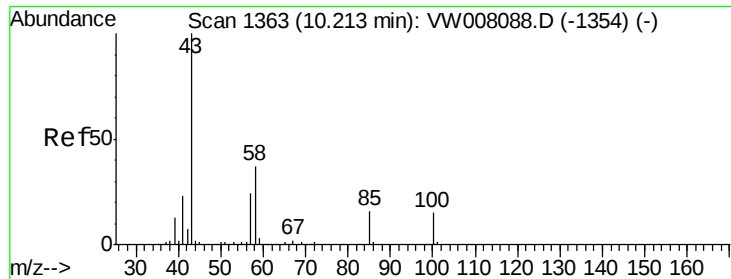
Tgt Ion: 88 Resp: 4109
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 79.9 61.7 92.5



#50
Toluene-d8
Concen: 54.905 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion: 98 Resp: 211459
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5

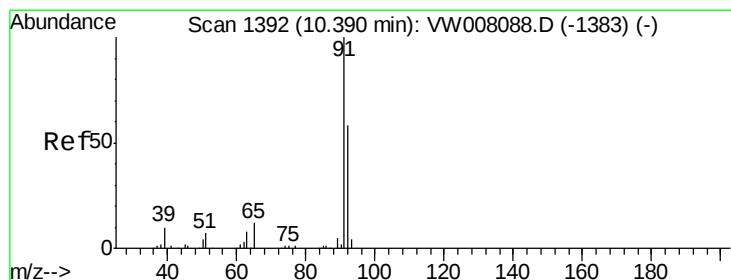
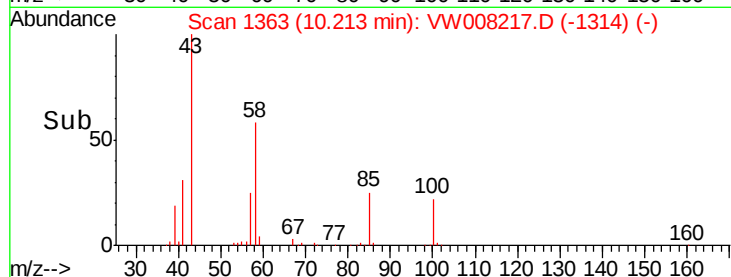
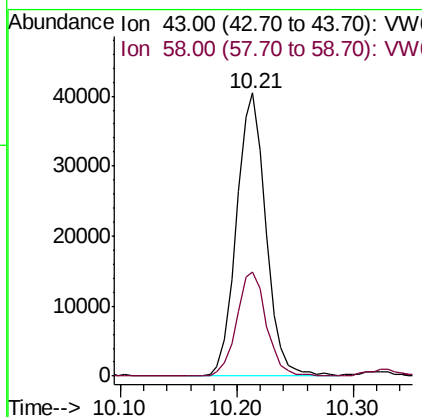
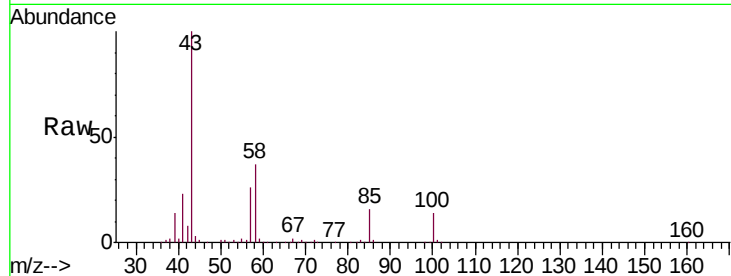




#51
 4-Methyl-2-Pentanone
 Concen: 113.283 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

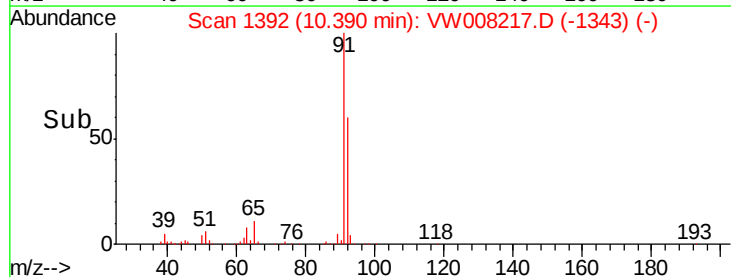
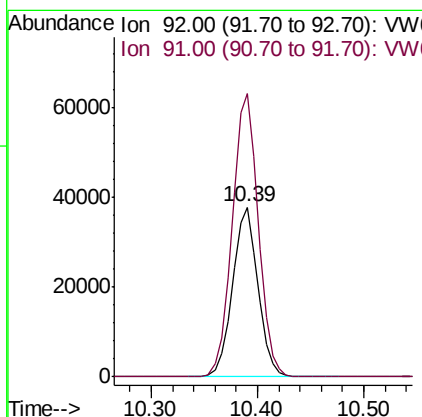
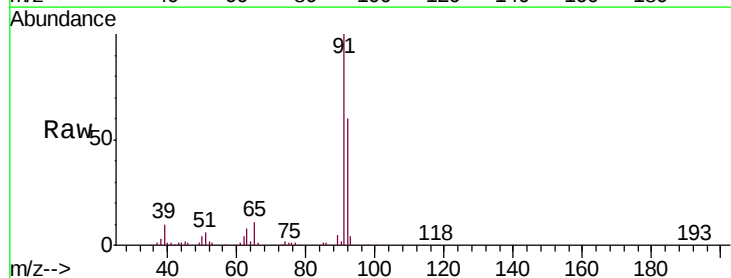
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

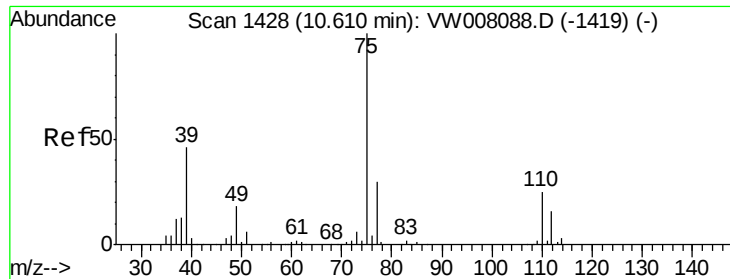
Tgt Ion: 43 Resp: 71198
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.6 46.0



#52
 Toluene
 Concen: 22.506 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 92 Resp: 63190
 Ion Ratio Lower Upper
 92 100
 91 171.2 137.0 205.4





#53

t-1,3-Dichloropropene

Concen: 21.429 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

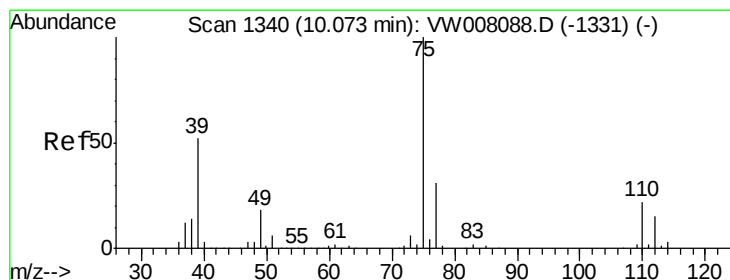
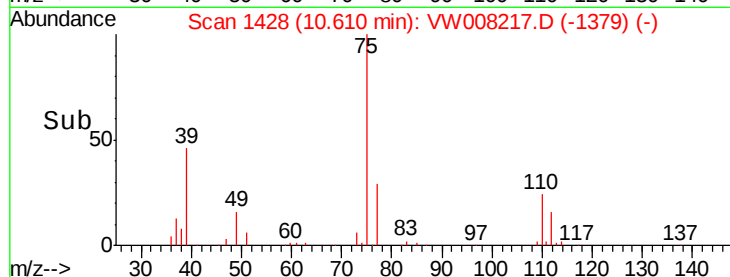
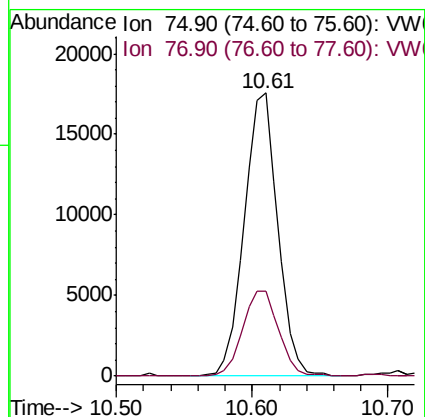
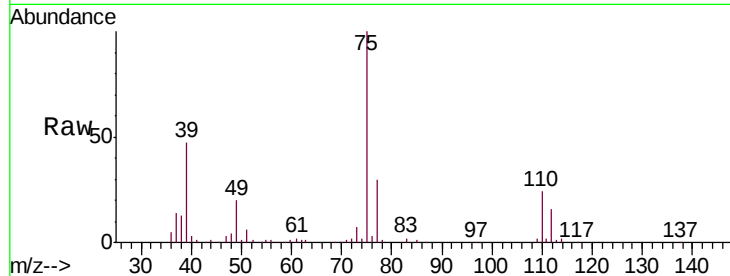
VW0111SBSD02

Tgt Ion: 75 Resp: 30302

Ion Ratio Lower Upper

75 100

77 29.9 24.4 36.6



#54

cis-1,3-Dichloropropene

Concen: 20.882 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

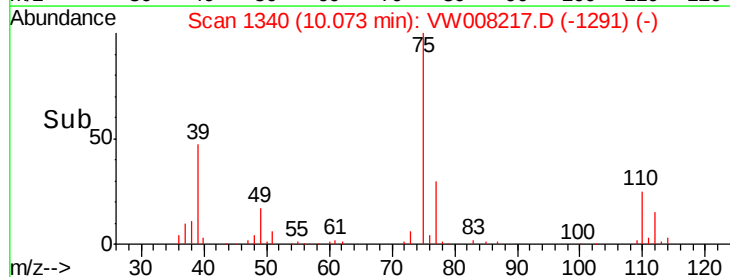
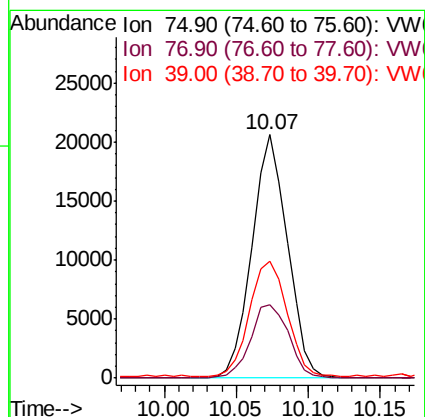
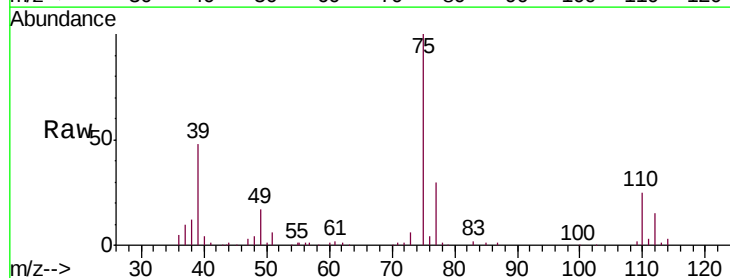
Tgt Ion: 75 Resp: 35015

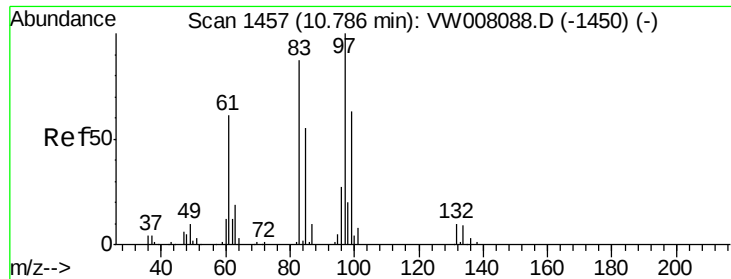
Ion Ratio Lower Upper

75 100

77 30.3 25.2 37.8

39 47.5 41.4 62.0

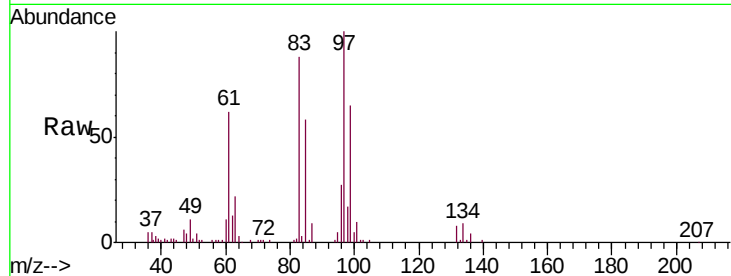




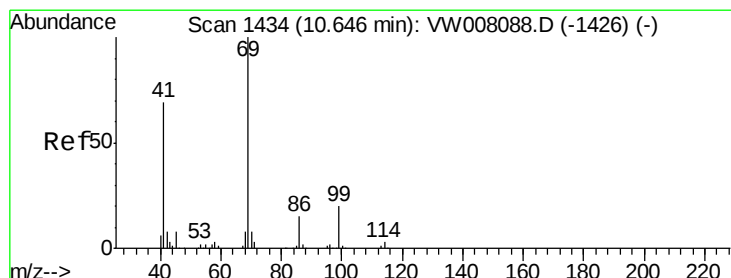
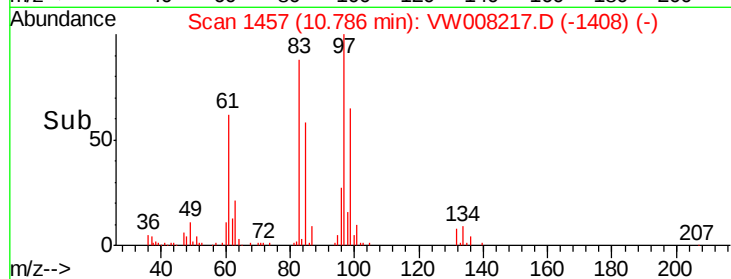
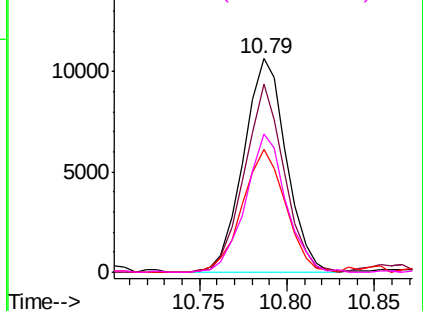
#55
 1,1,2-Trichloroethane
 Concen: 24.152 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

Tgt Ion:	97	Resp:	18154
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.3	103.9
85	57.5	43.8	65.6
99	64.9	50.0	75.0

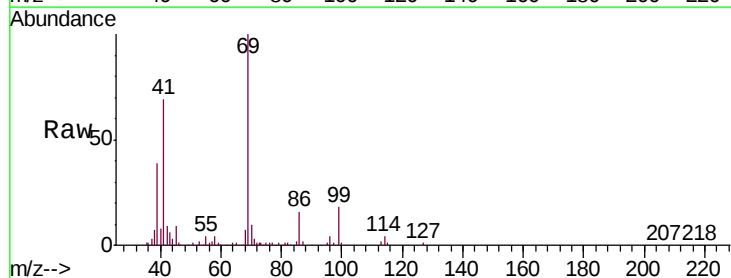


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

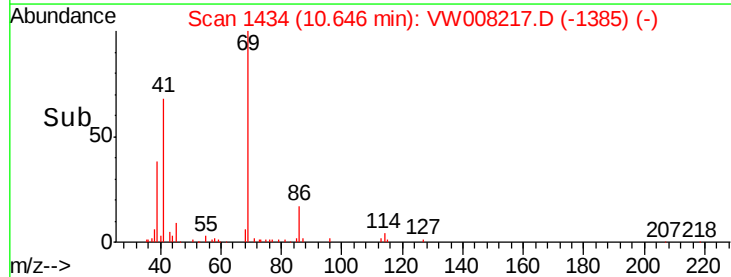
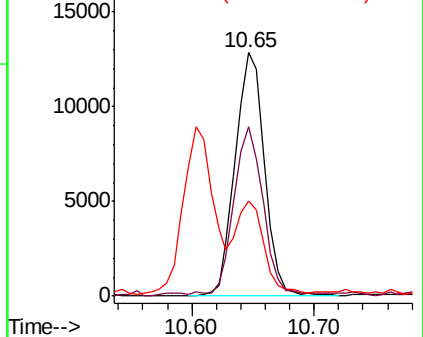


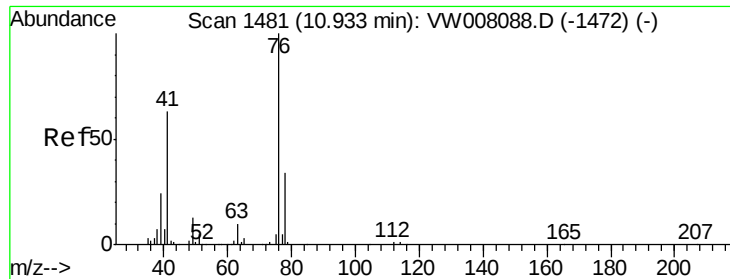
#56
 Ethyl methacrylate
 Concen: 22.876 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion:	69	Resp:	21294
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.4	84.6
39	36.1	28.1	42.1



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

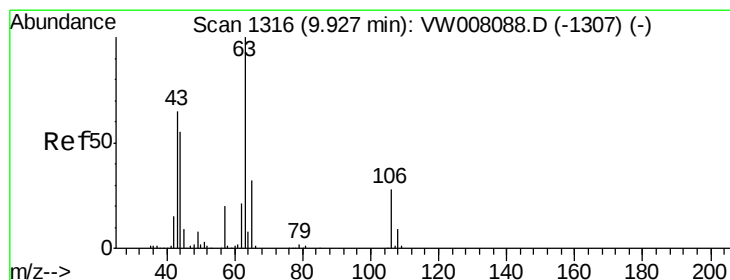
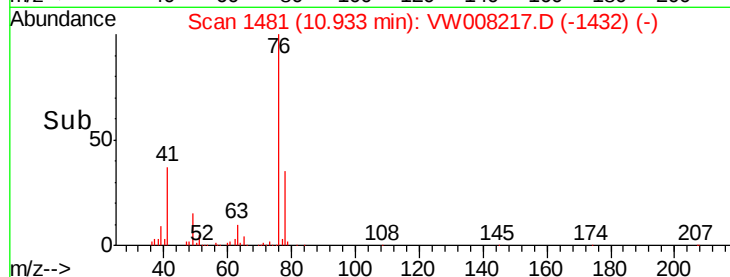
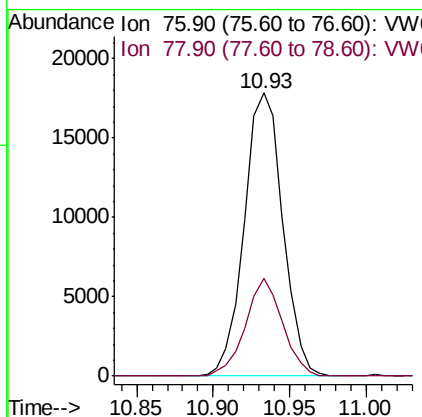
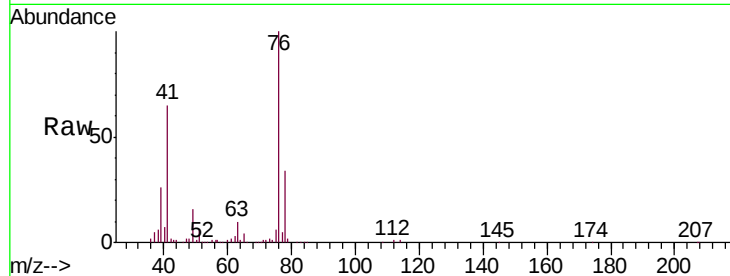




#57
 1,3-Dichloropropane
 Concen: 22.706 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

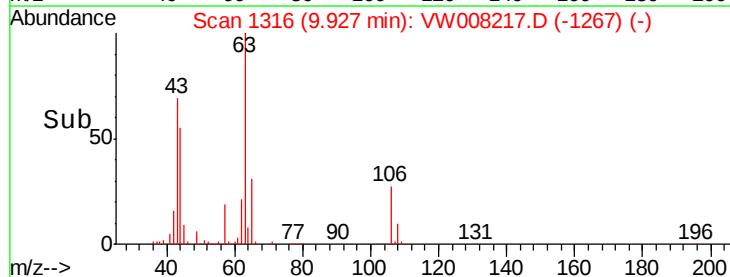
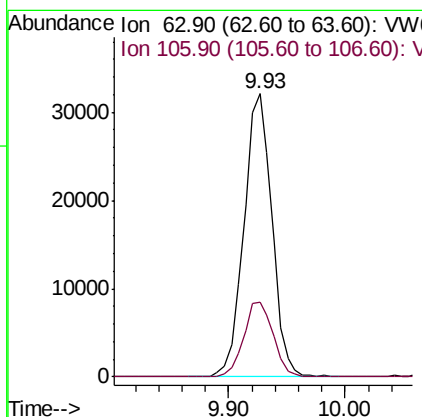
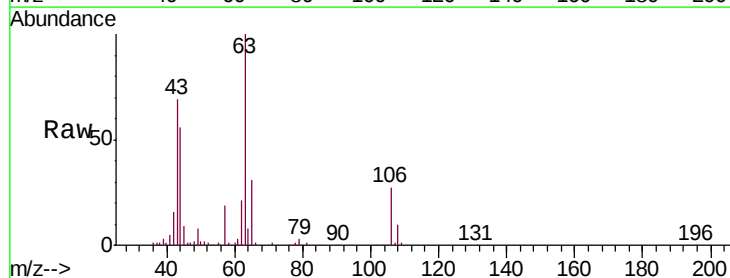
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

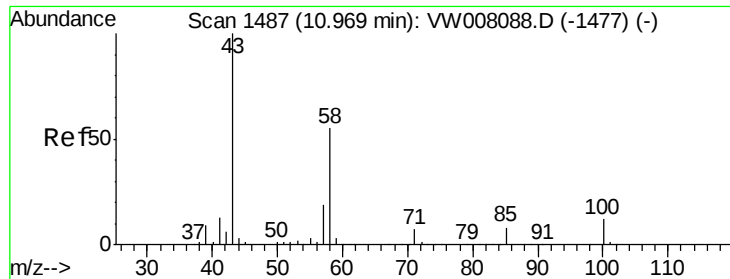
Tgt Ion: 76 Resp: 31214
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.181 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 63 Resp: 53941
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.8 32.6

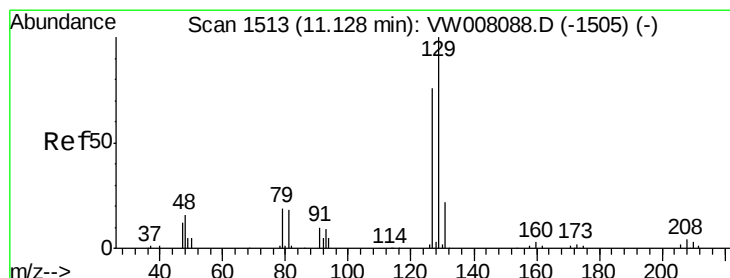
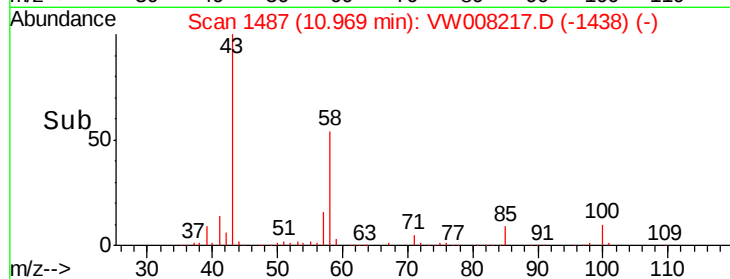
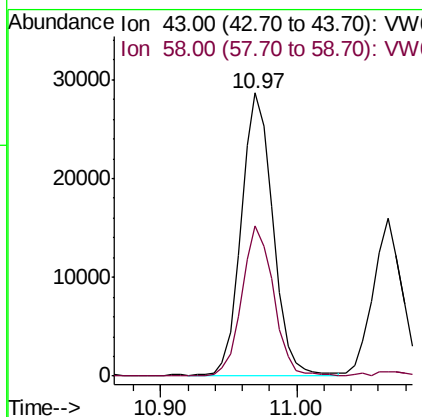
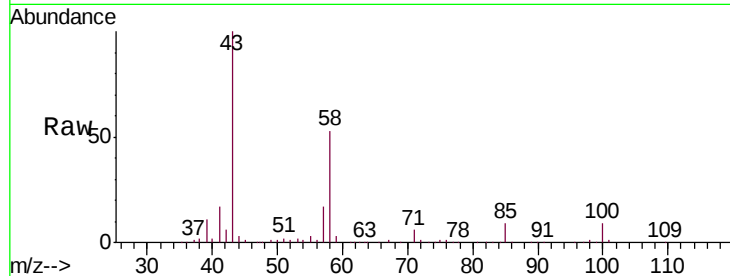




#59
2-Hexanone
Concen: 109.030 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

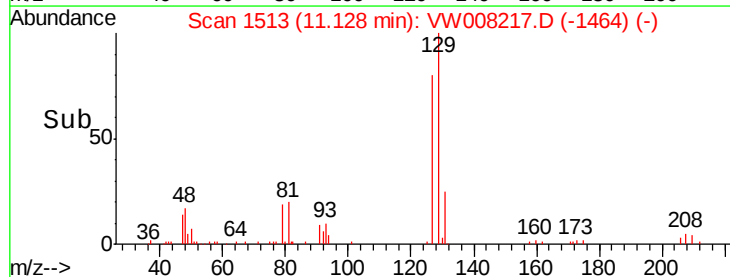
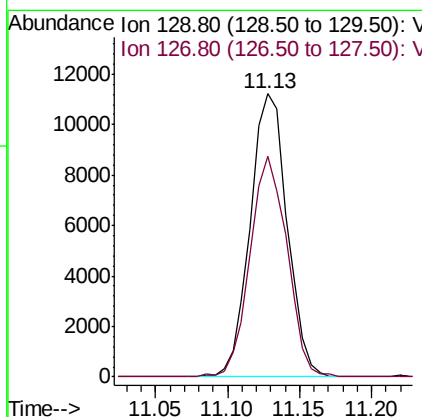
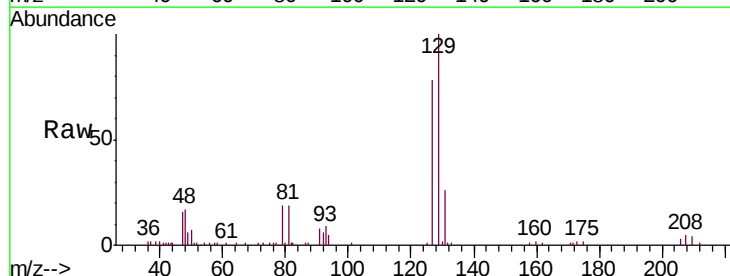
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

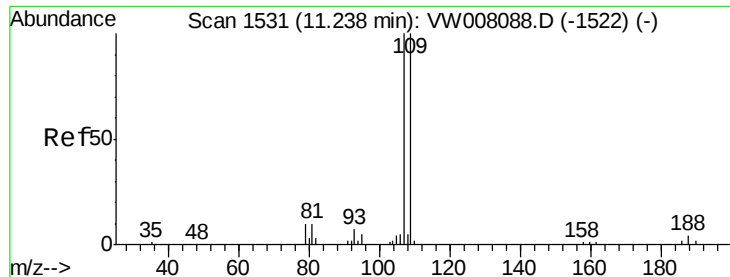
Tgt Ion: 43 Resp: 46340
Ion Ratio Lower Upper
43 100
58 53.5 27.2 81.5



#60
Dibromochloromethane
Concen: 24.108 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion: 129 Resp: 19899
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





#61

1,2-Dibromoethane

Concen: 24.210 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

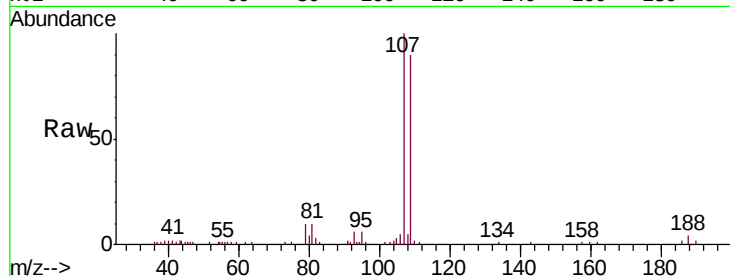
VW0111SBSD02

Tgt Ion: 107 Resp: 17267

Ion Ratio Lower Upper

107 100

109 92.0 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

12000

10000

8000

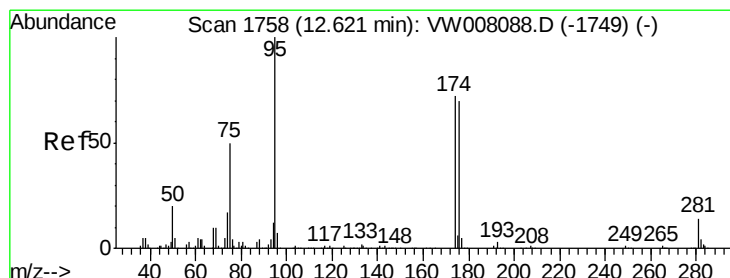
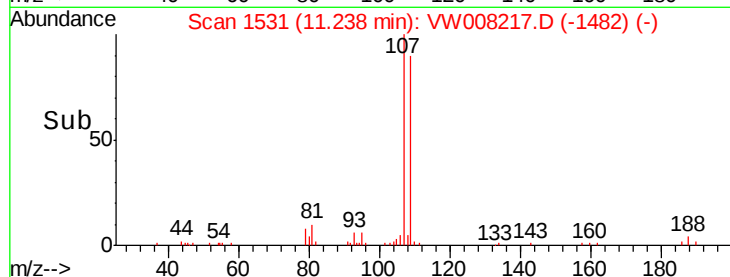
6000

4000

2000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 53.776 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

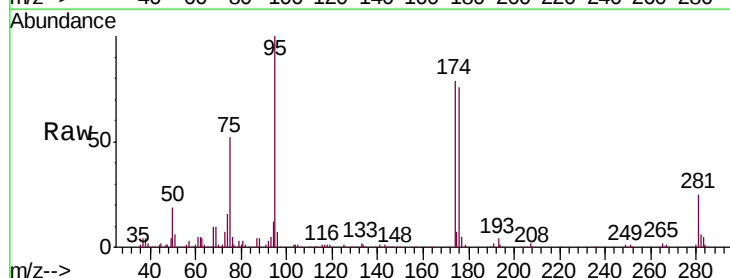
Tgt Ion: 95 Resp: 74248

Ion Ratio Lower Upper

95 100

174 75.8 0.0 143.0

176 74.5 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

60000

50000

40000

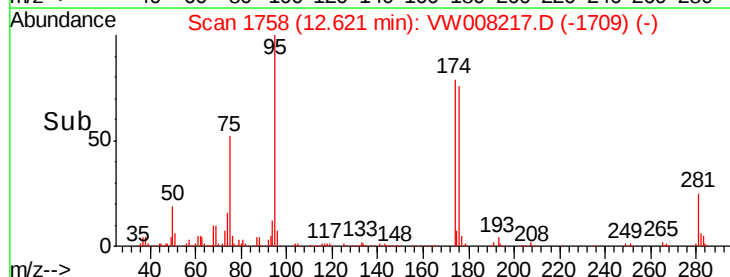
30000

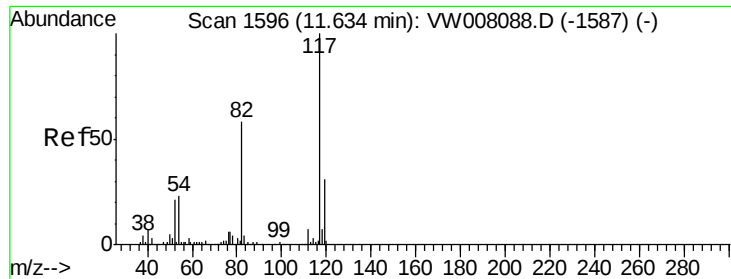
20000

10000

0

Time--> 12.55 12.60 12.65 12.70

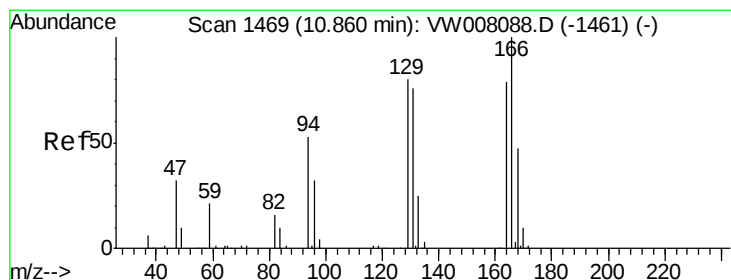
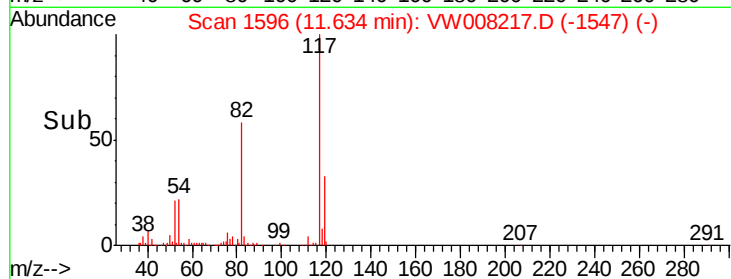
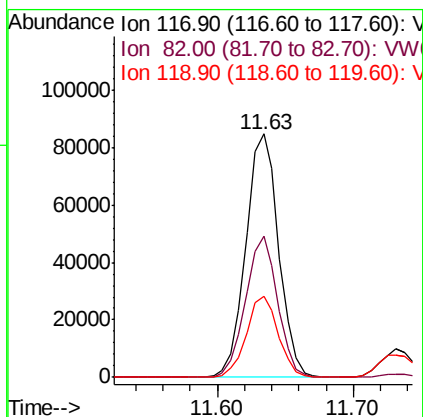
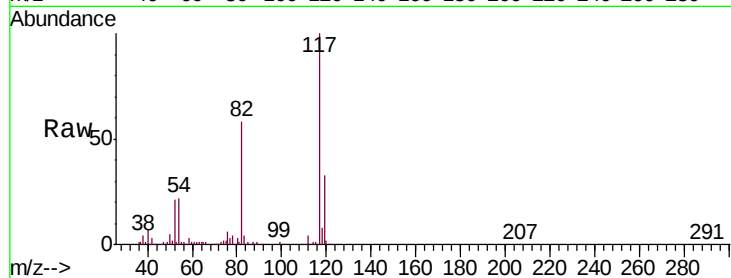




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

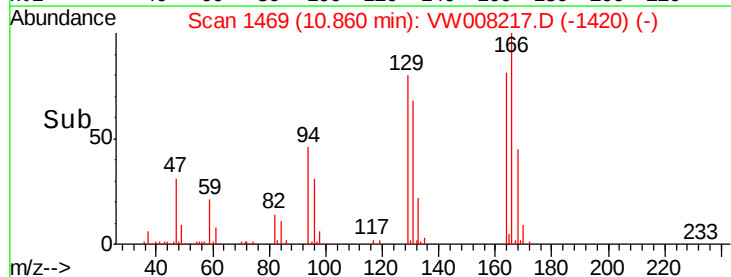
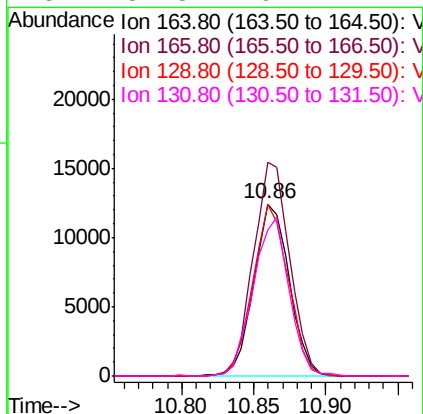
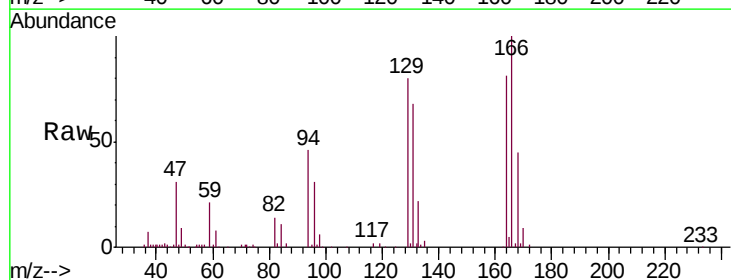
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

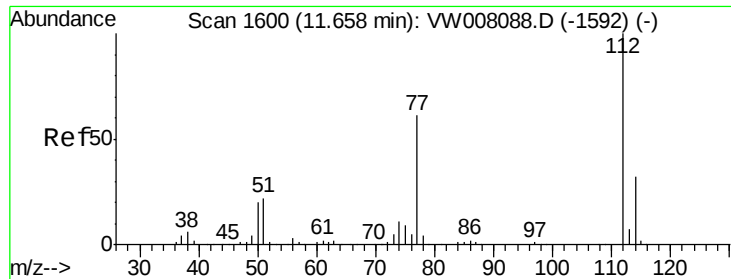
Tgt Ion:117 Resp: 142902
Ion Ratio Lower Upper
117 100
82 57.8 46.4 69.6
119 33.1 24.7 37.1



#64
Tetrachloroethene
Concen: 22.720 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion:164 Resp: 21130
Ion Ratio Lower Upper
164 100
166 124.1 100.7 151.1
129 99.7 81.0 121.4
131 84.8 76.1 114.1

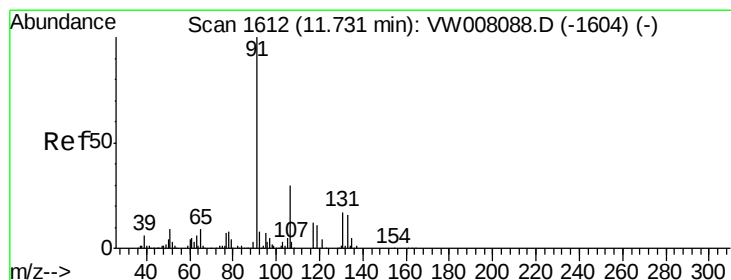
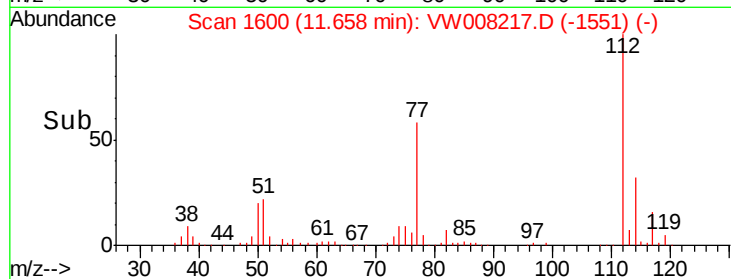
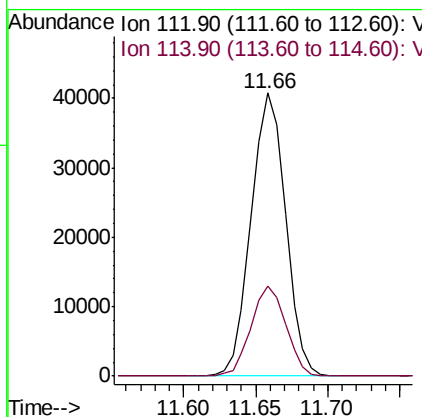
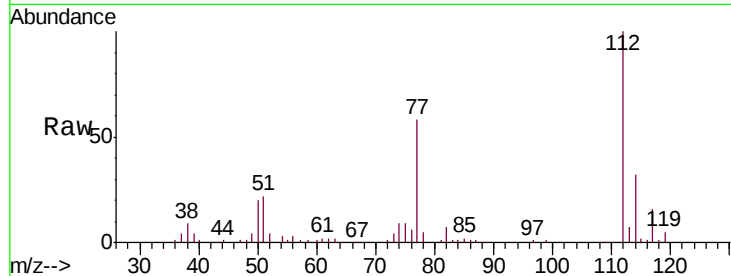




#65
Chlorobenzene
Concen: 22.326 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

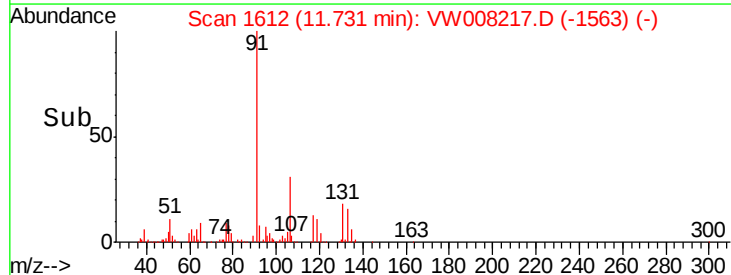
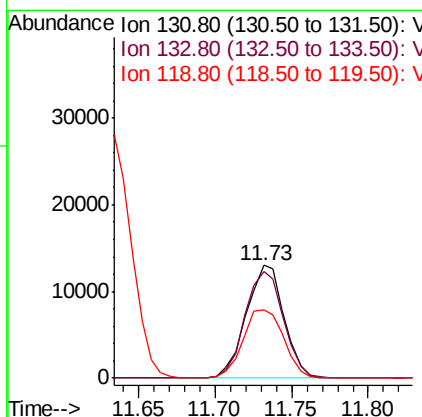
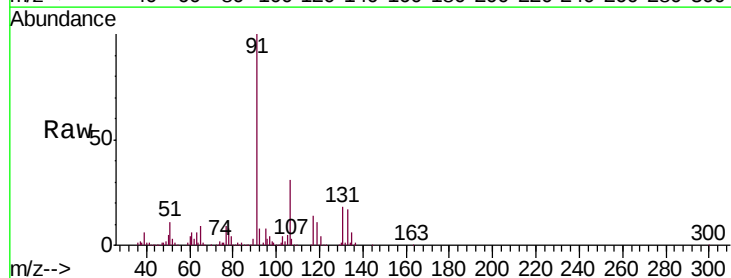
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

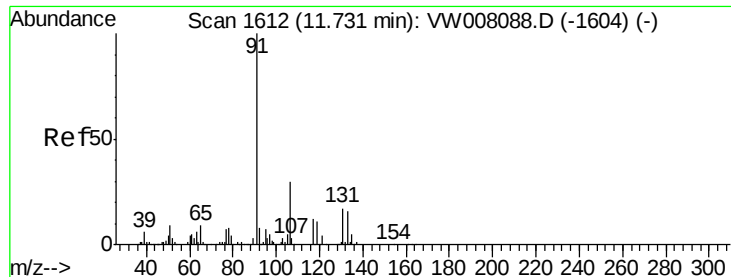
Tgt Ion:112 Resp: 67592
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.726 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion:131 Resp: 22378
Ion Ratio Lower Upper
131 100
133 97.3 47.9 143.7
119 65.1 32.5 97.4

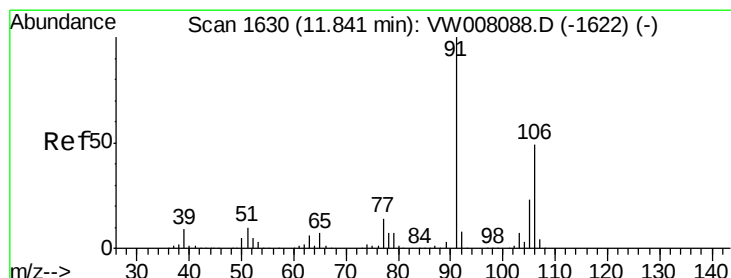
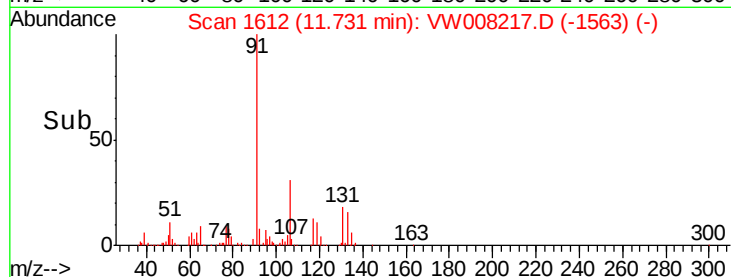
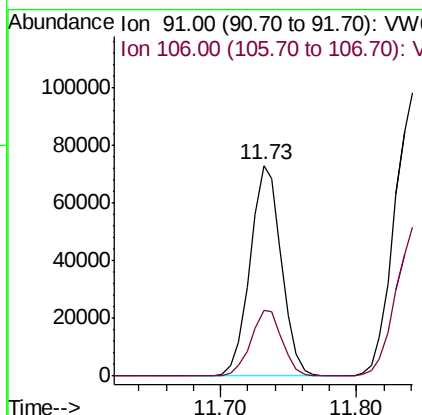
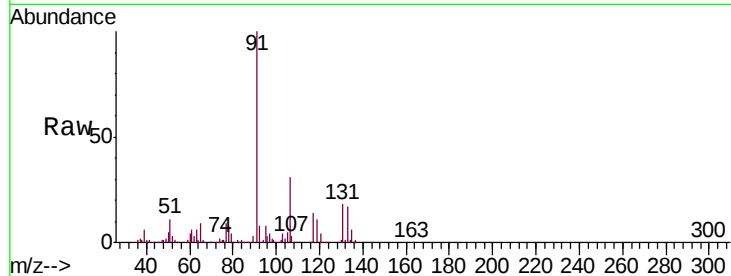




#67
Ethyl Benzene
Concen: 21.213 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

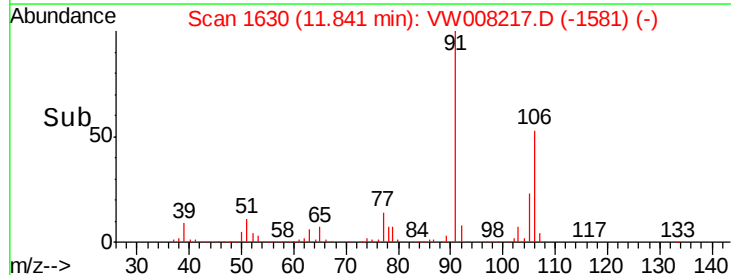
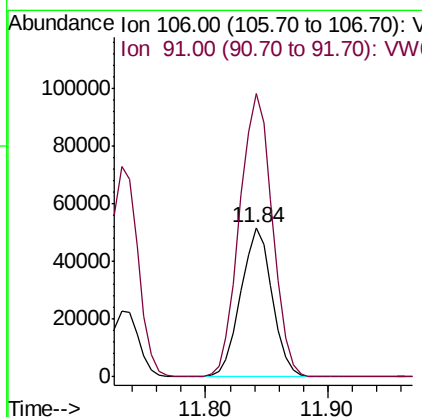
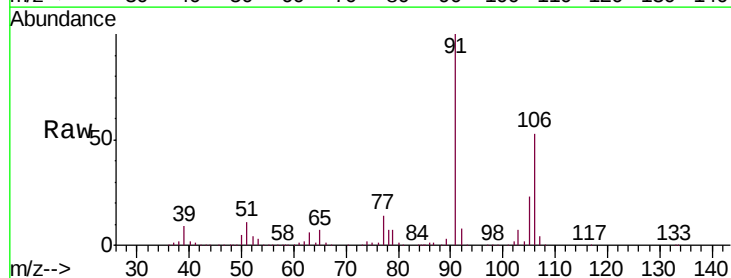
Instrument :
MSVOA_W
ClientSampled :
VW0111SBSD02

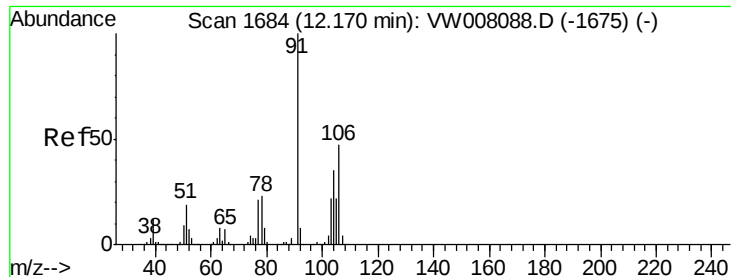
Tgt Ion: 91 Resp: 117511
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.4



#68
m/p-Xylenes
Concen: 43.625 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion: 106 Resp: 92239
Ion Ratio Lower Upper
106 100
91 197.7 162.4 243.6

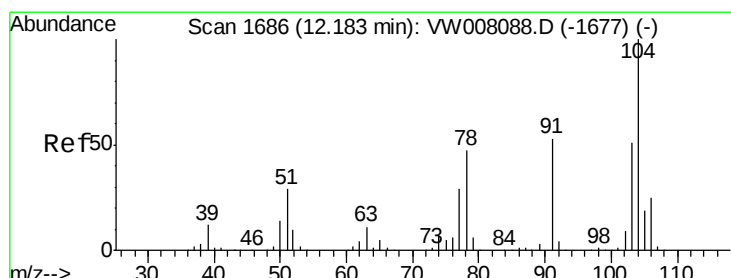
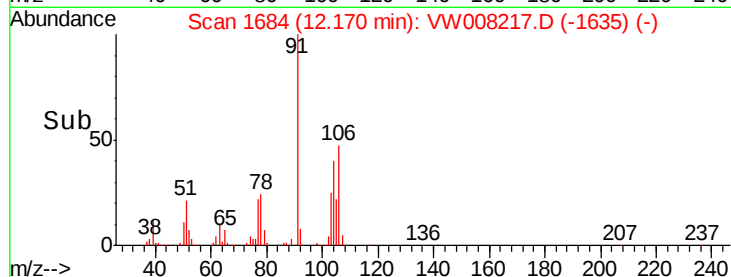
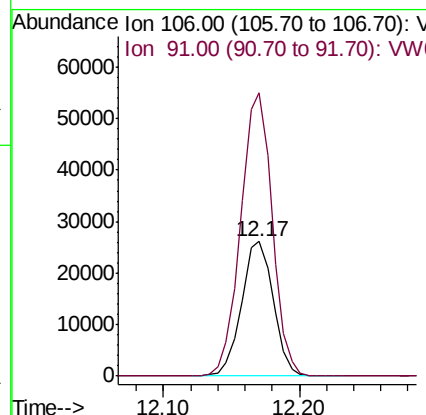
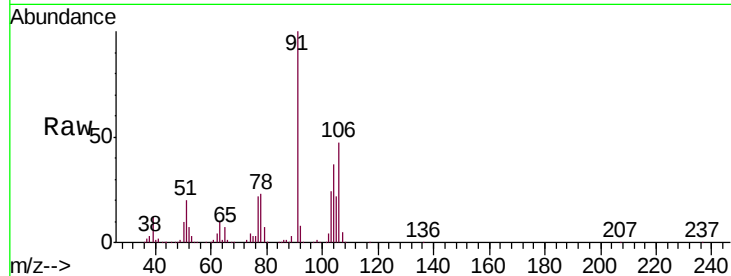




#69
o-Xylene
Concen: 21.756 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

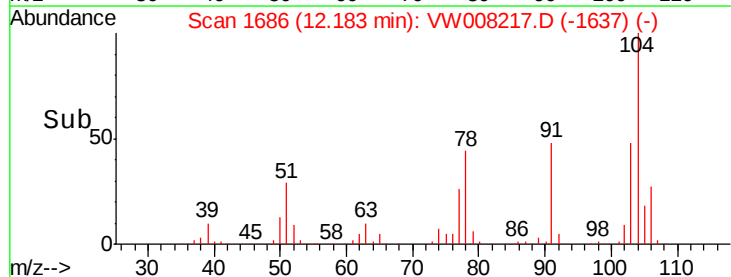
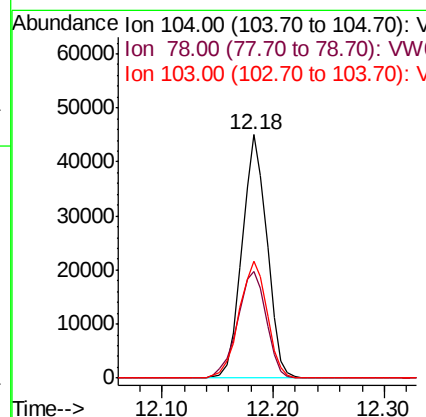
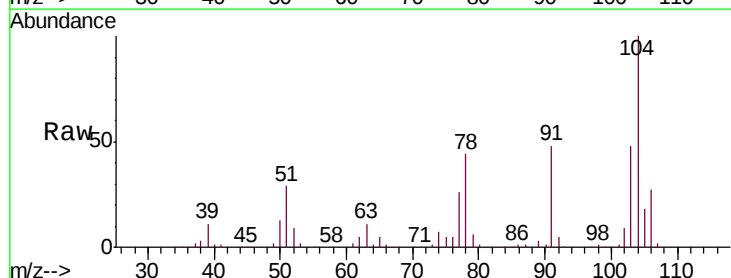
Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

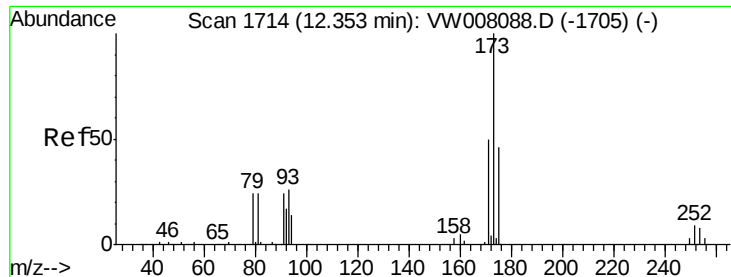
Tgt Ion:106 Resp: 42597
Ion Ratio Lower Upper
106 100
91 208.9 107.8 323.6



#70
Styrene
Concen: 22.821 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion:104 Resp: 69989
Ion Ratio Lower Upper
104 100
78 50.3 41.8 62.8
103 53.6 43.8 65.8





#71

Bromoform

Concen: 24.751 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

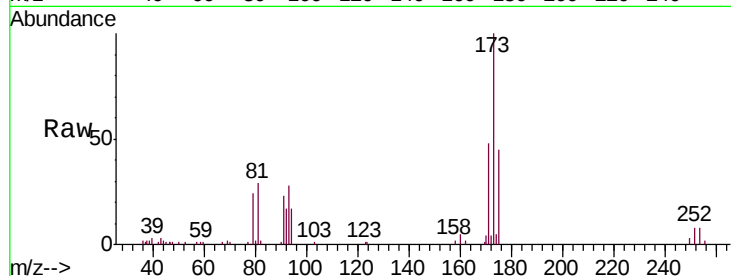
Tgt Ion:173 Resp: 10908

Ion Ratio Lower Upper

173 100

175 48.8 23.3 69.8

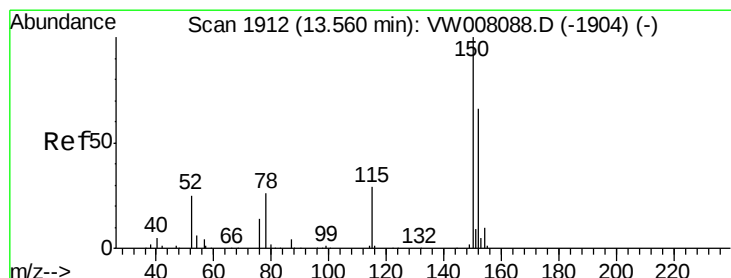
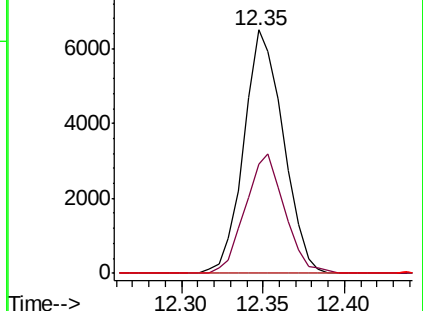
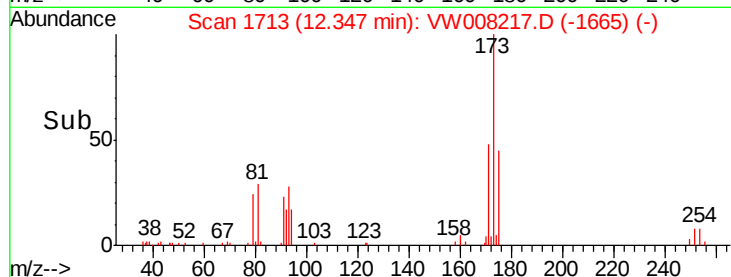
254 0.0 0.0 0.0



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: VW008217.D

Acq: 12 Jan 2019 03:35

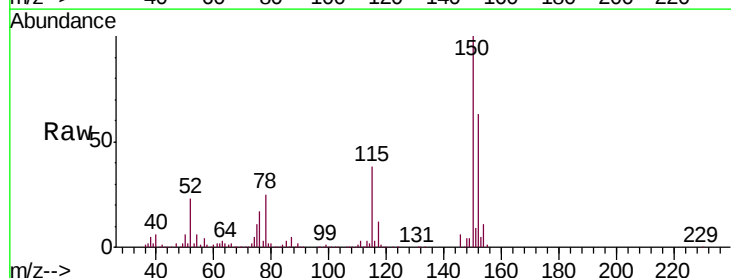
Tgt Ion:152 Resp: 69510

Ion Ratio Lower Upper

152 100

115 59.6 30.8 92.4

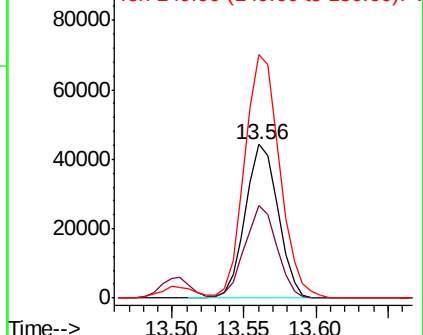
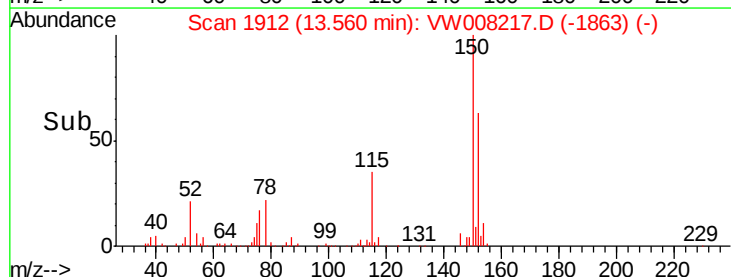
150 169.4 0.0 350.2

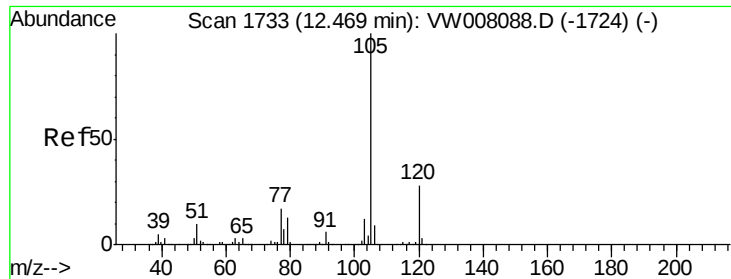


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.282 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

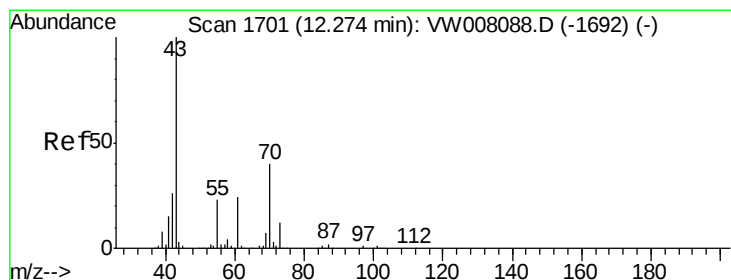
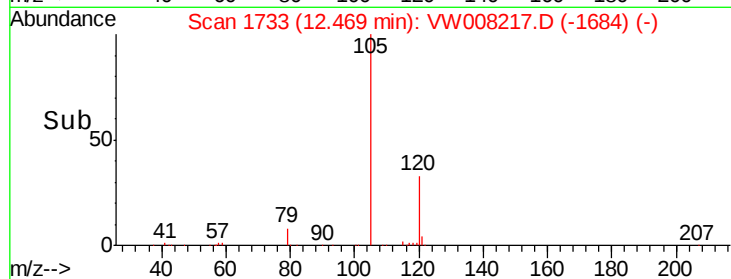
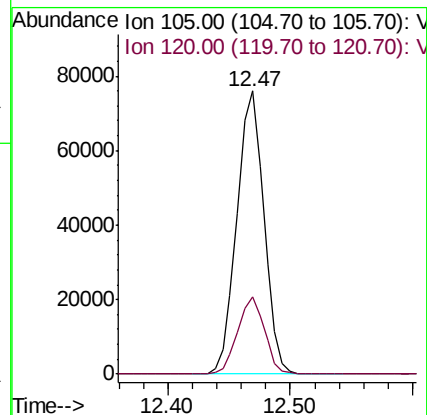
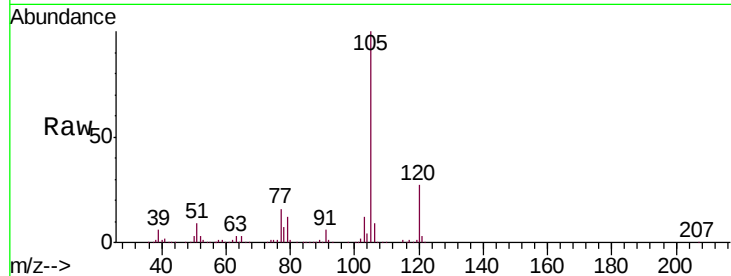
VW0111SBSD02

Tgt Ion:105 Resp: 116142

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8



#74

N-ethyl acetate

Concen: 21.381 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Tgt Ion: 43 Resp: 25839

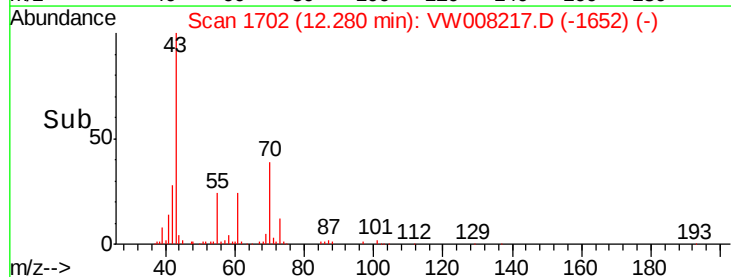
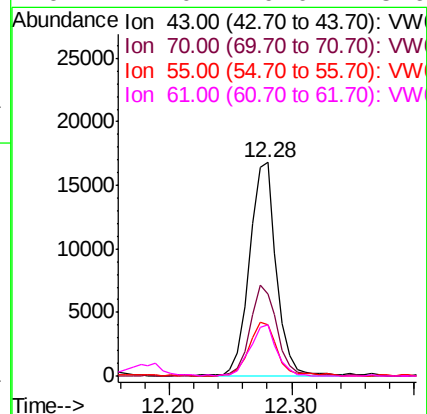
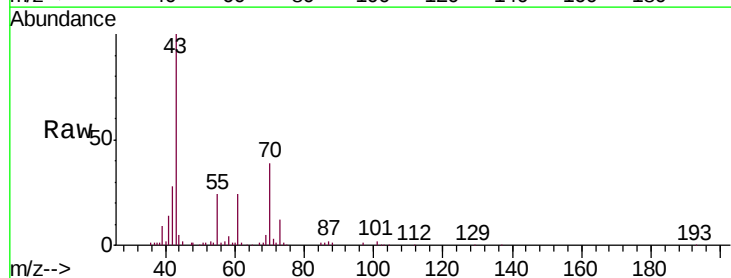
Ion Ratio Lower Upper

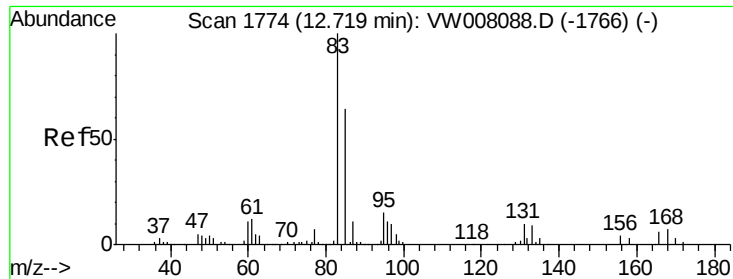
43 100

70 42.4 32.4 48.6

55 26.2 18.7 28.1

61 24.0 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 23.098 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

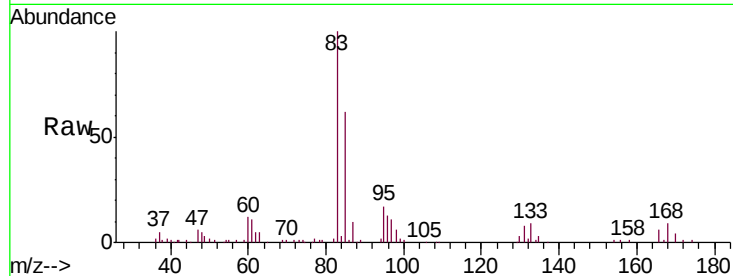
Tgt Ion: 83 Resp: 20176

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

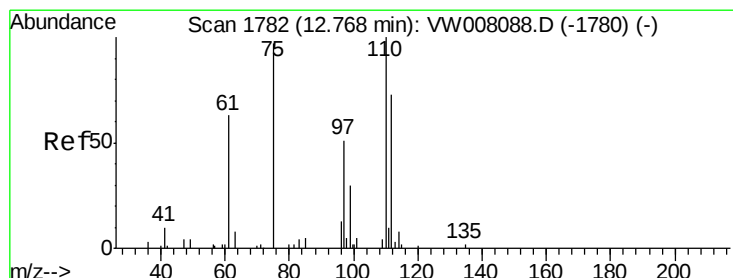
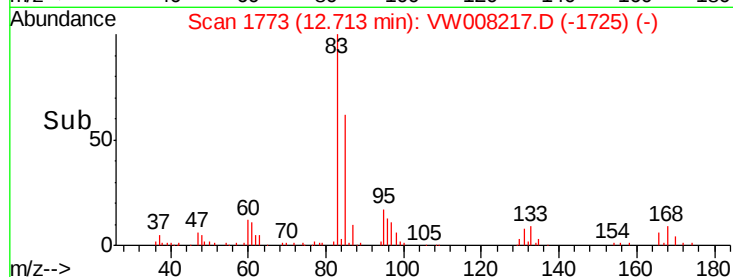
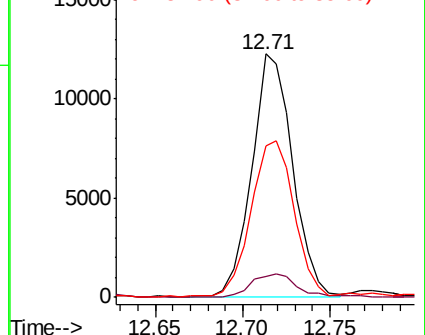
85 68.2 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 42.046 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008217.D

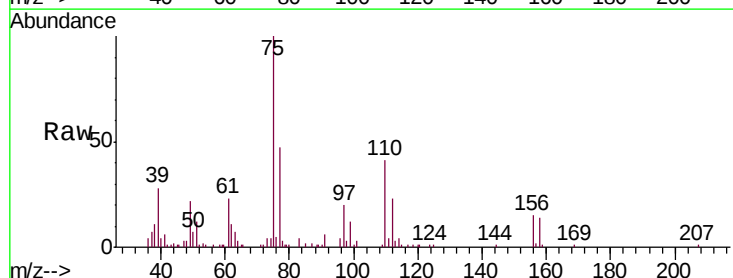
Acq: 12 Jan 2019 03:35

Tgt Ion: 75 Resp: 26643

Ion Ratio Lower Upper

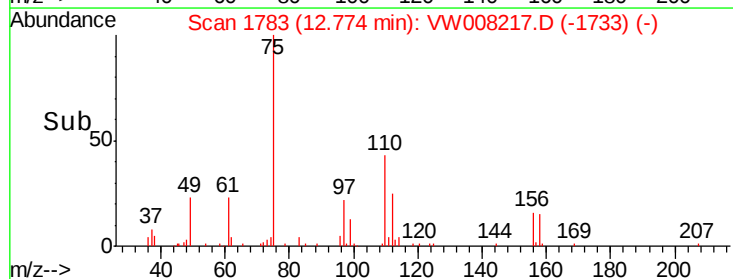
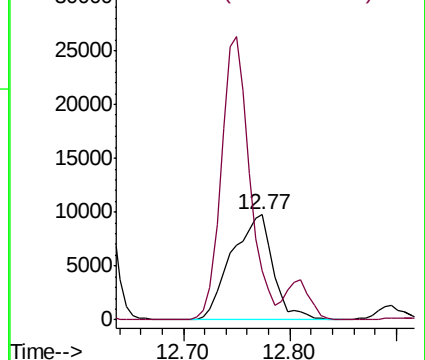
75 100

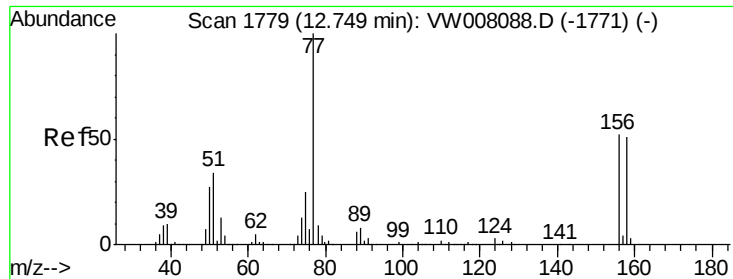
77 0.0 179.4 538.2#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.750 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

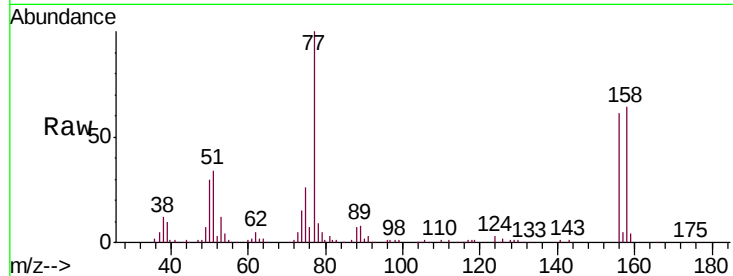
Tgt Ion:156 Resp: 26233

Ion Ratio Lower Upper

156 100

77 186.3 104.2 312.5

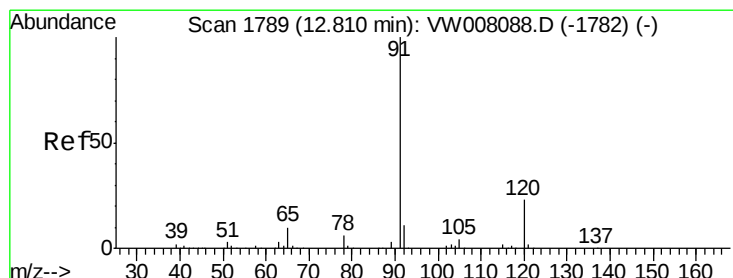
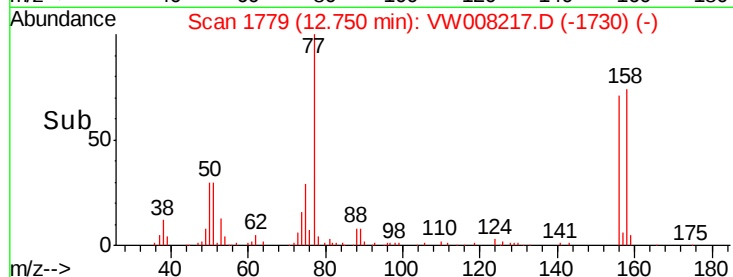
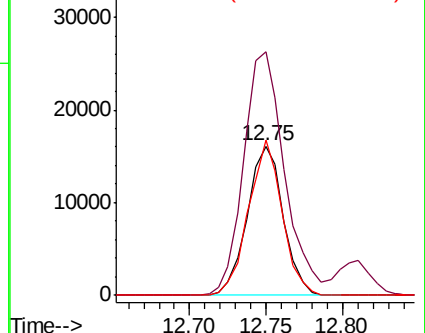
158 97.4 47.9 143.6



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: 21.051 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008217.D

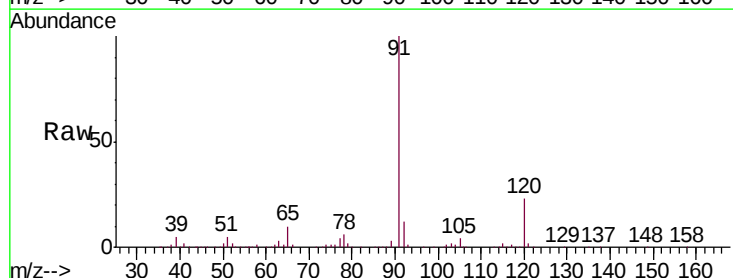
Acq: 12 Jan 2019 03:35

Tgt Ion: 91 Resp: 140758

Ion Ratio Lower Upper

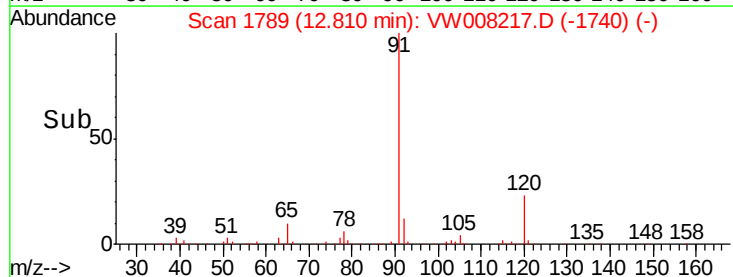
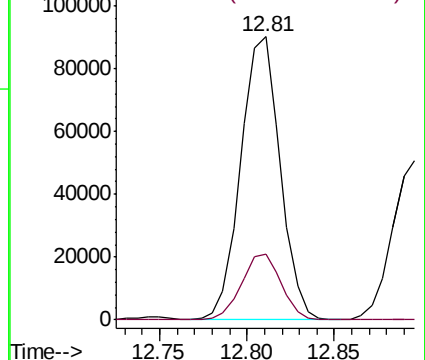
91 100

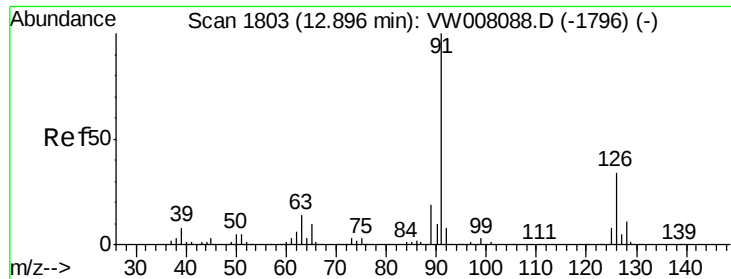
120 23.4 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

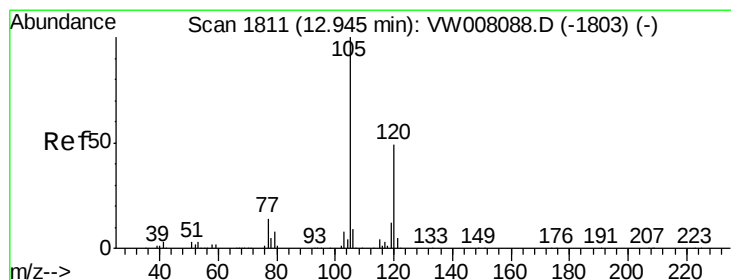
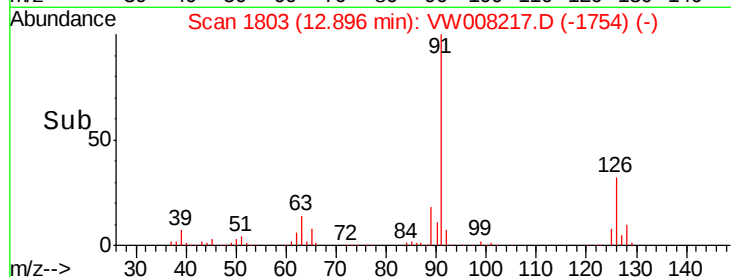
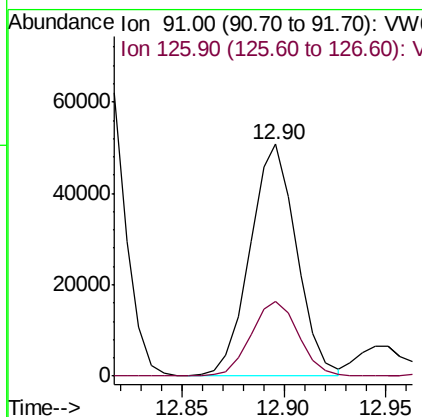
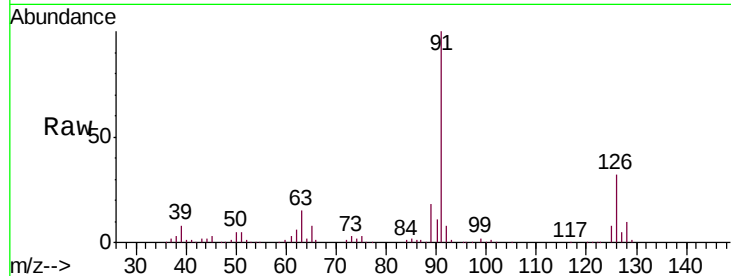




#79
 2-Chlorotoluene
 Concen: 21.586 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

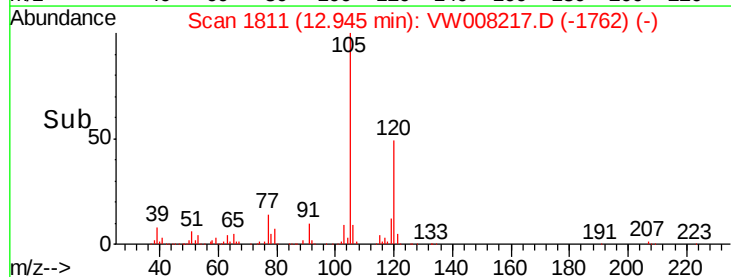
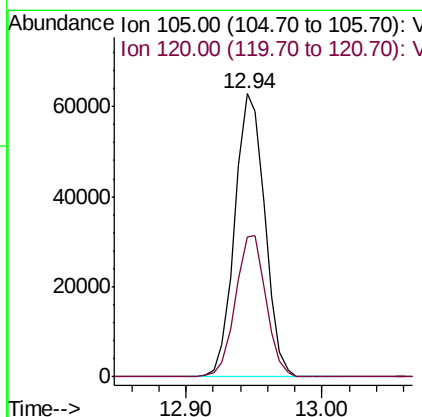
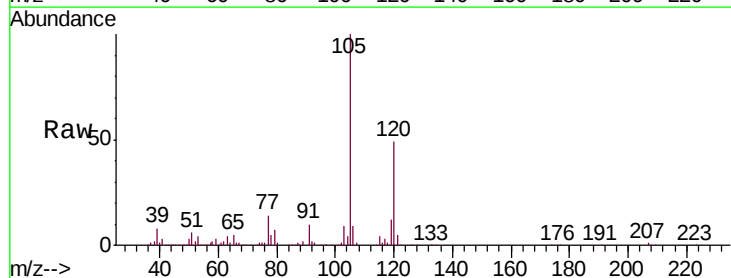
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

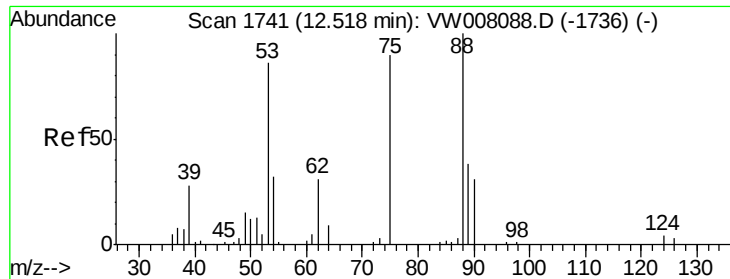
Tgt Ion: 91 Resp: 80527
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 21.546 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 105 Resp: 96622
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.907 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampled :

VW0111SBSD02

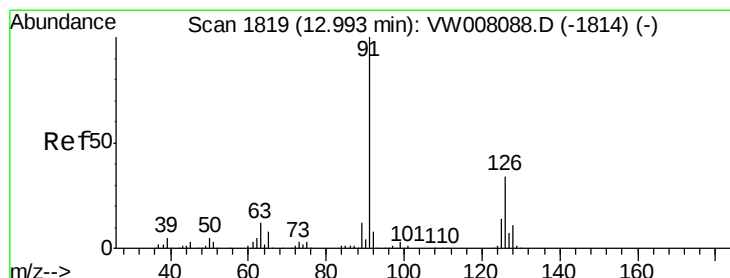
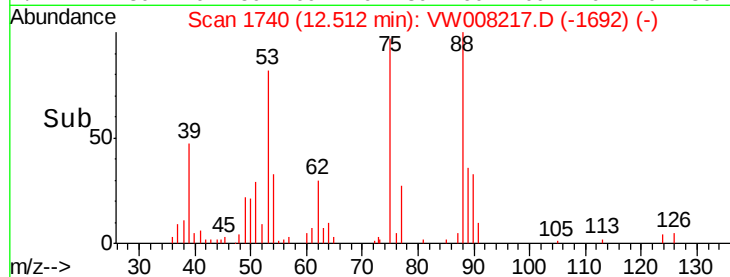
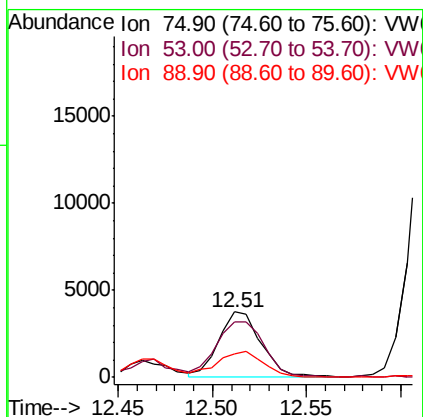
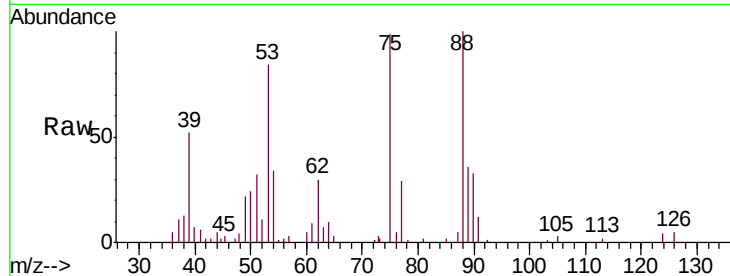
Tgt Ion: 75 Resp: 5961

Ion Ratio Lower Upper

75 100

53 95.9 78.8 118.2

89 42.8 35.4 53.2



#82

4-Chlorotoluene

Concen: 21.503 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008217.D

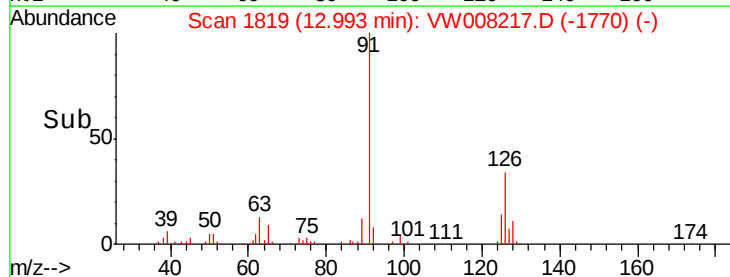
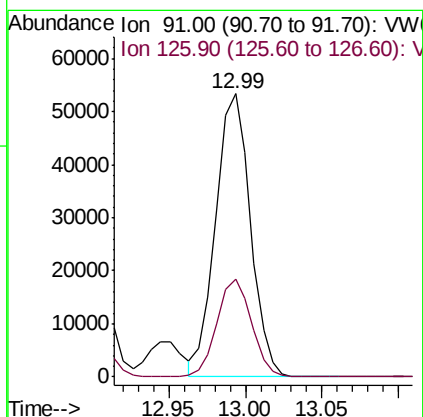
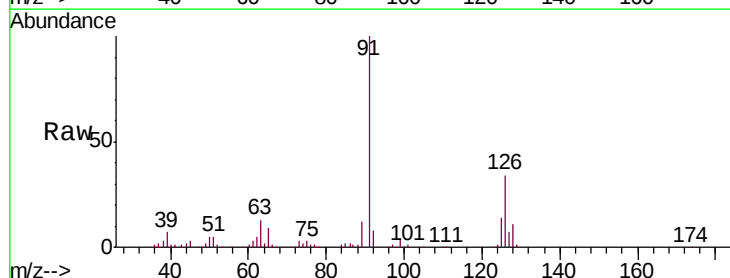
Acq: 12 Jan 2019 03:35

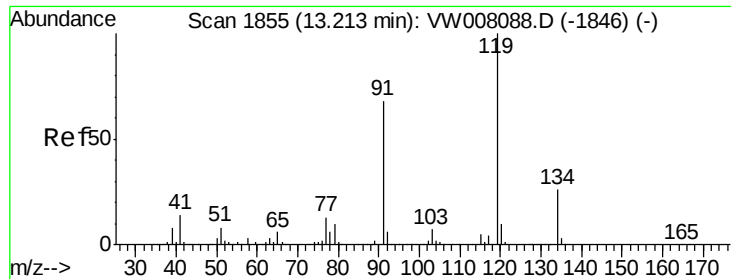
Tgt Ion: 91 Resp: 84484

Ion Ratio Lower Upper

91 100

126 34.4 16.5 49.5

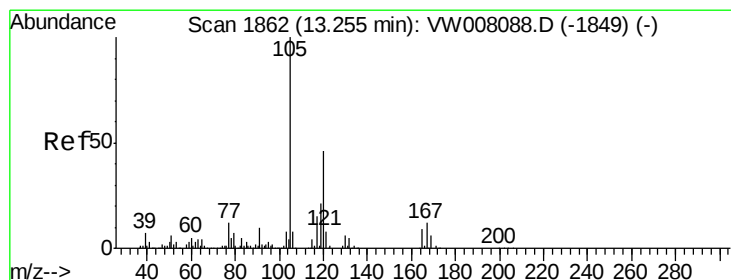
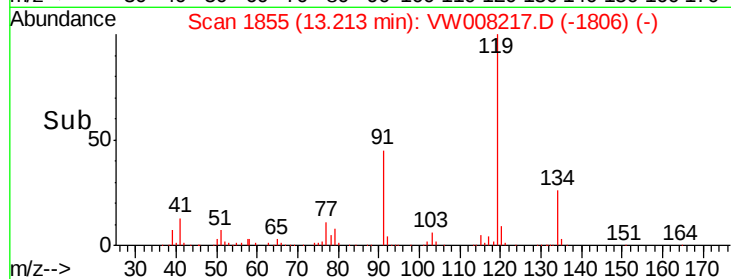
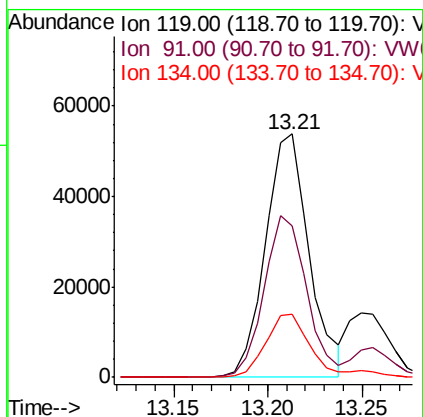
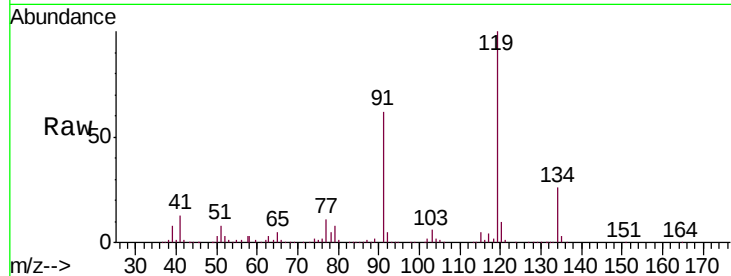




#83
 tert-Butylbenzene
 Concen: 21.840 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

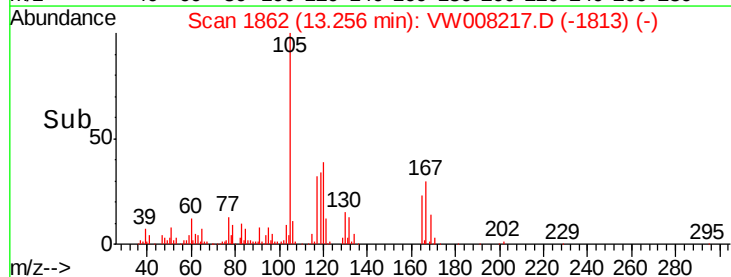
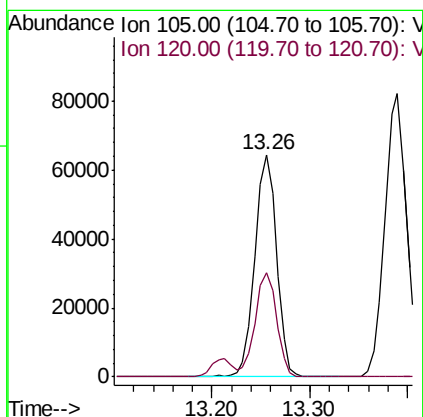
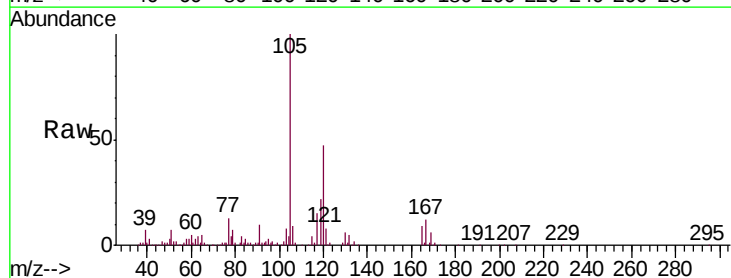
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

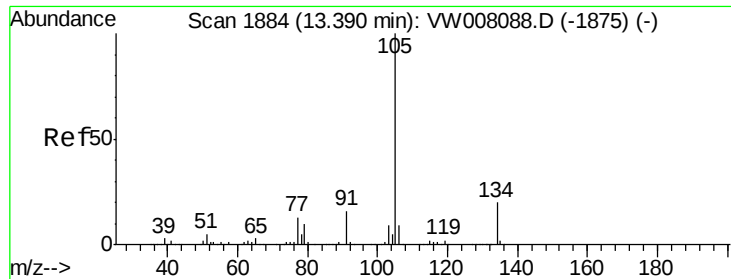
Tgt Ion:119 Resp: 86647
 Ion Ratio Lower Upper
 119 100
 91 64.7 33.9 101.6
 134 27.6 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.657 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion:105 Resp: 100169
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.7 68.1

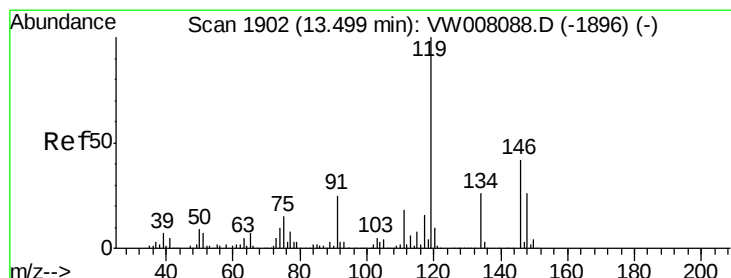
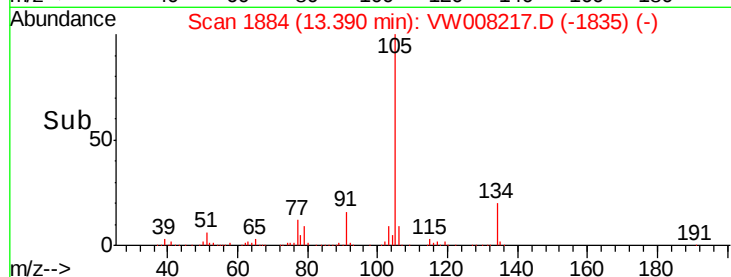
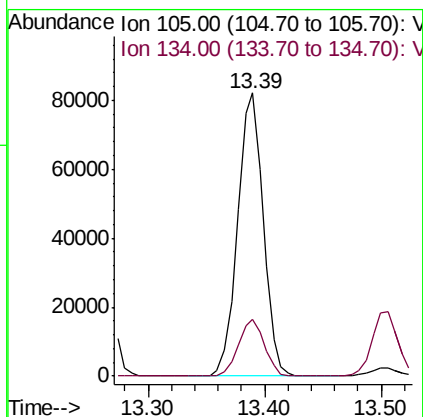
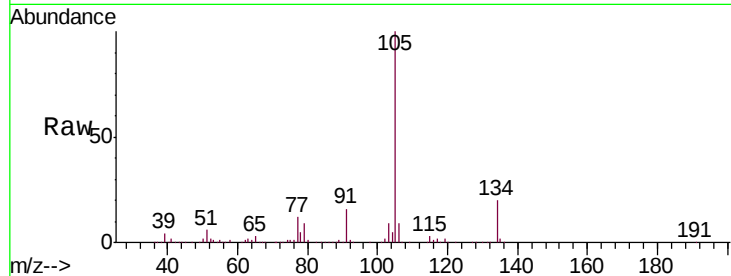




#85
 sec-Butylbenzene
 Concen: 21.667 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

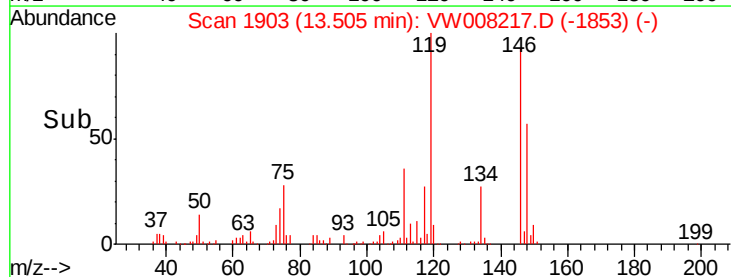
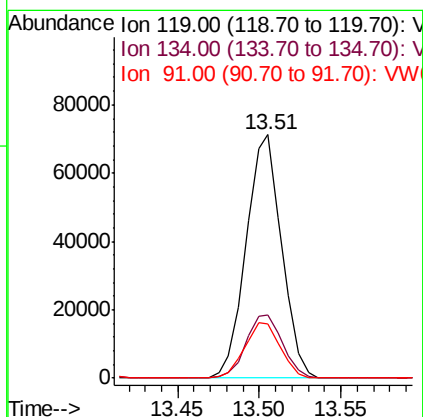
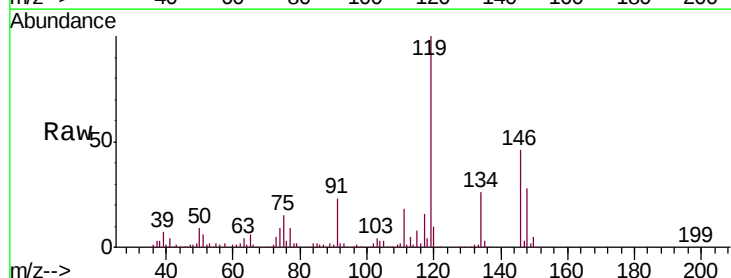
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

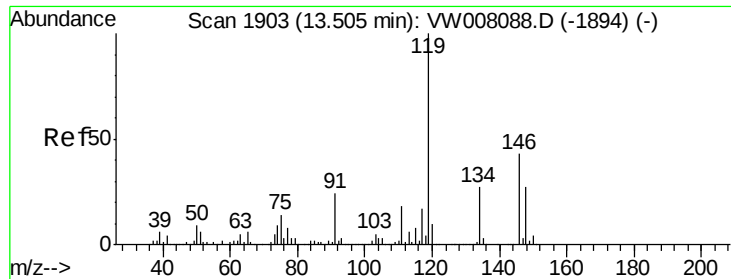
Tgt Ion:105 Resp: 125922
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 21.358 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion:119 Resp: 107188
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 23.4 12.3 36.9

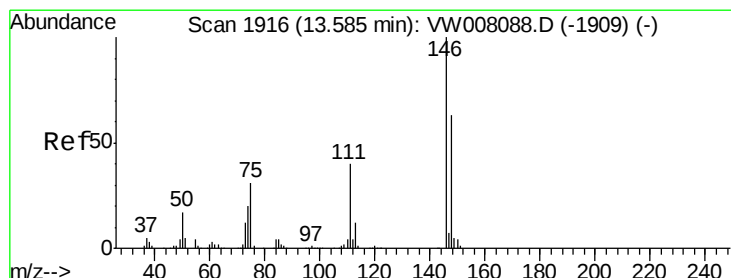
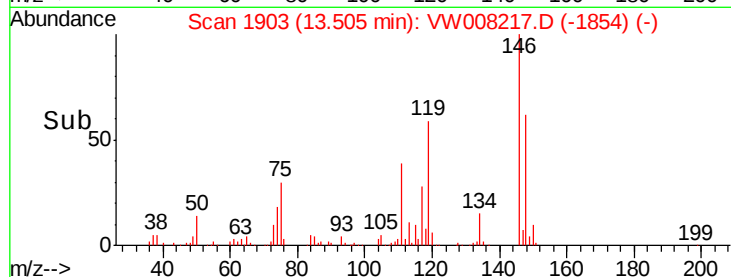
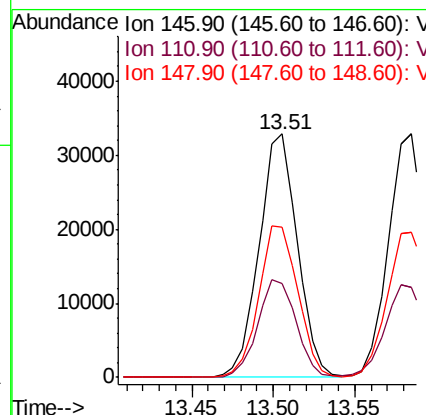
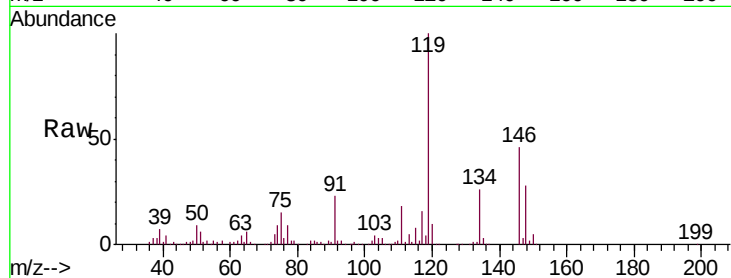




#87
 1,3-Dichlorobenzene
 Concen: 22.820 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

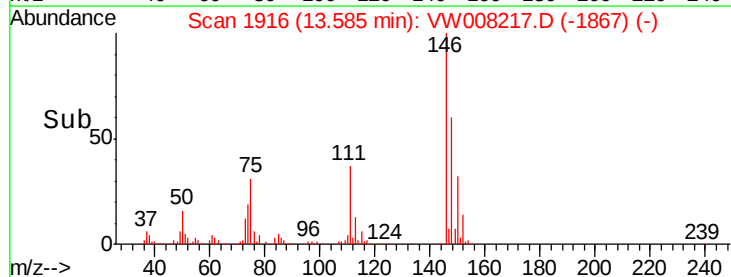
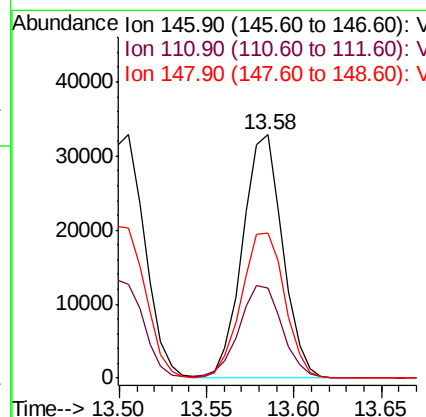
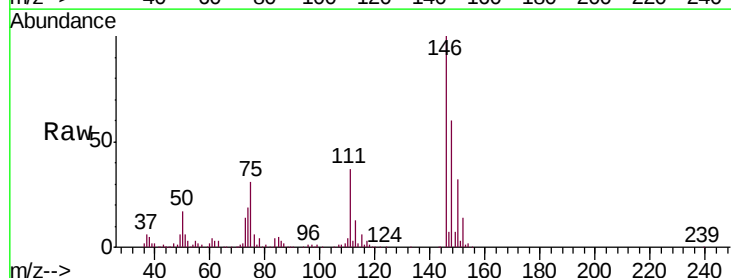
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

Tgt Ion:146 Resp: 53379
 Ion Ratio Lower Upper
 146 100
 111 40.5 21.1 63.1
 148 63.6 31.3 93.9



#88
 1,4-Dichlorobenzene
 Concen: 22.315 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion:146 Resp: 52369
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.5 61.5
 148 64.6 31.6 94.8





#89

n-Butylbenzene

Concen: 20.683 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008217.D

Acq: 12 Jan 2019 03:35

Instrument :

MSVOA_W

ClientSampleId :

VW0111SBSD02

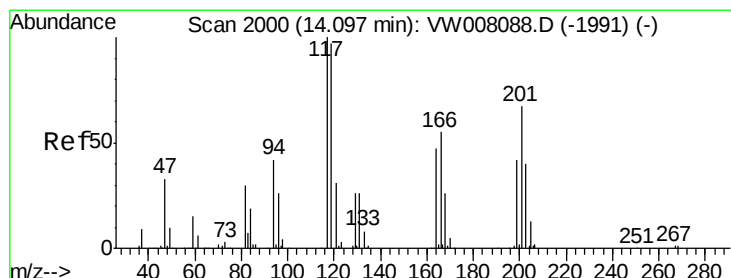
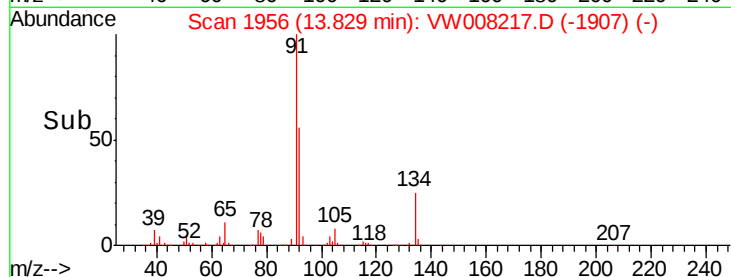
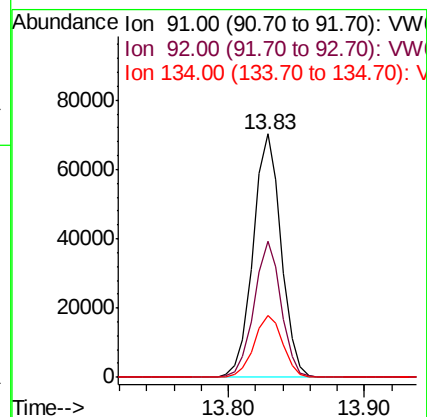
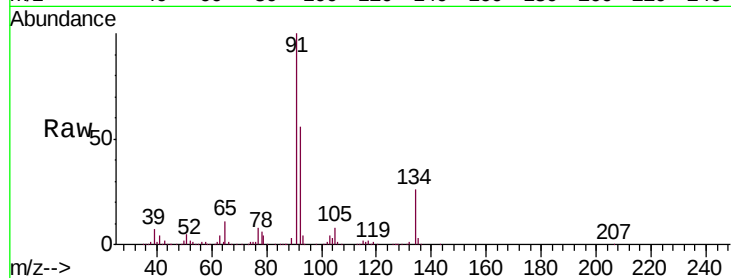
Tgt Ion: 91 Resp: 101663

Ion Ratio Lower Upper

91 100

92 54.2 27.4 82.2

134 26.0 12.6 37.8



#90

Hexachloroethane

Concen: 22.898 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008217.D

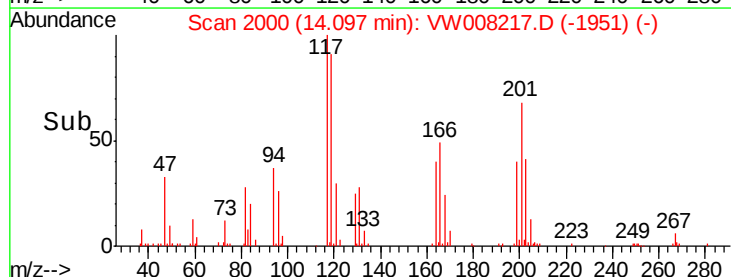
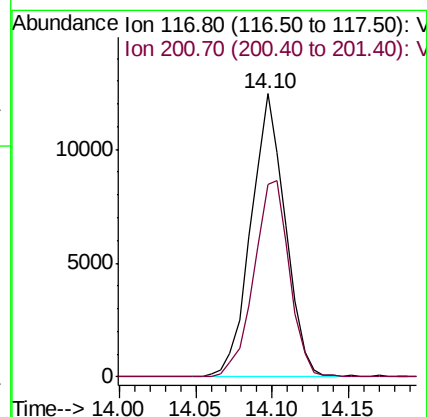
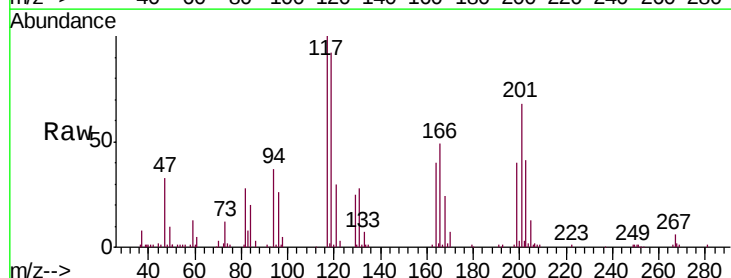
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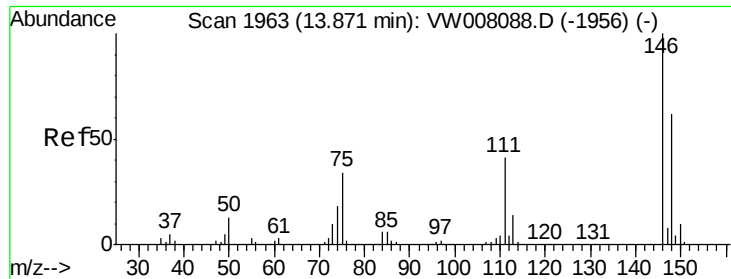
Tgt Ion: 117 Resp: 19410

Ion Ratio Lower Upper

117 100

201 71.7 33.0 98.9

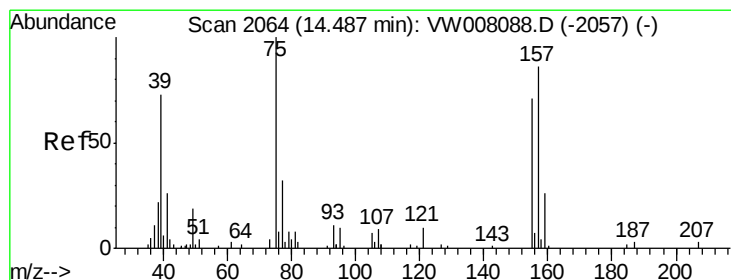
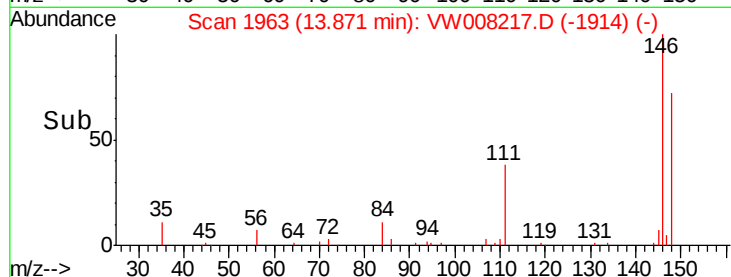
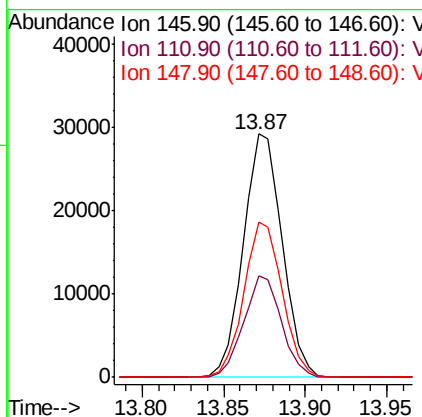
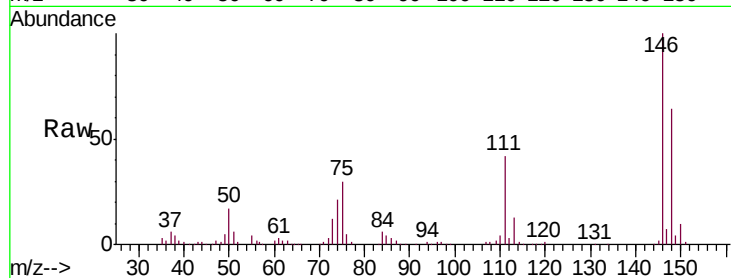




#91
 1,2-Dichlorobenzene
 Concen: 23.556 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

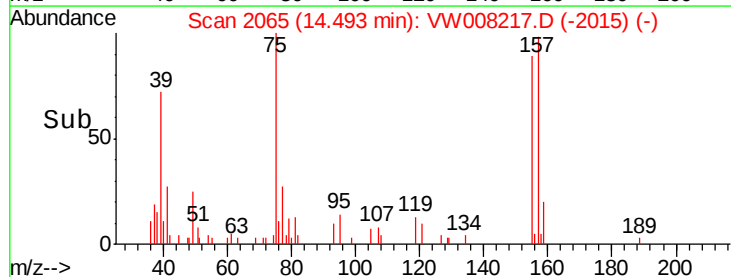
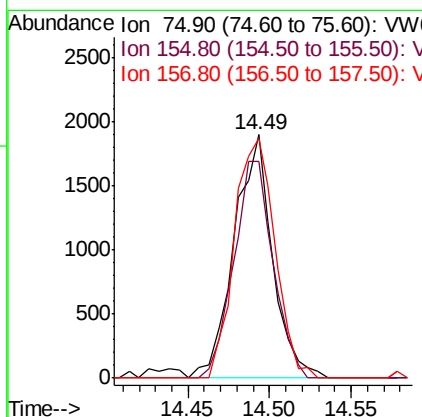
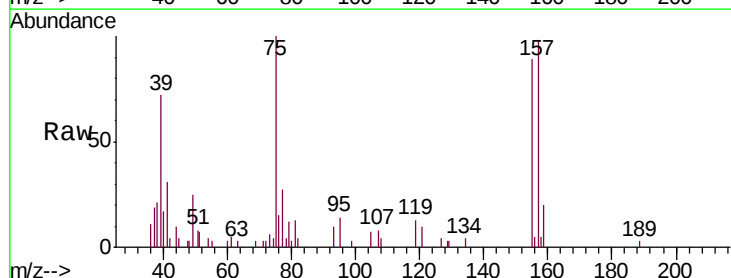
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

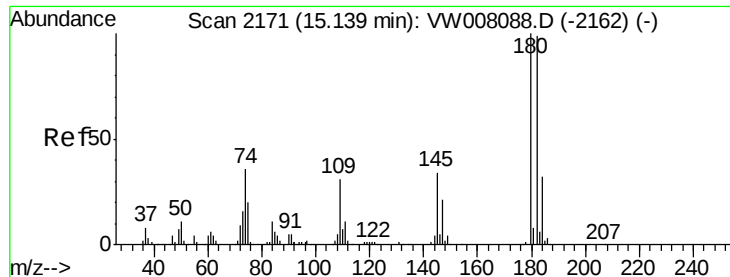
Tgt Ion: 146 Resp: 48423
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.3 63.7
 148 63.2 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.131 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion: 75 Resp: 3111
 Ion Ratio Lower Upper
 75 100
 155 91.6 38.6 115.7
 157 103.6 47.5 142.6

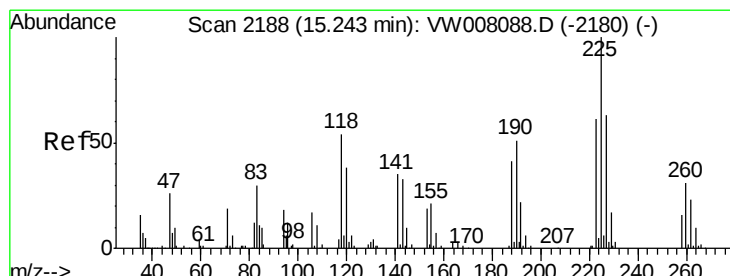
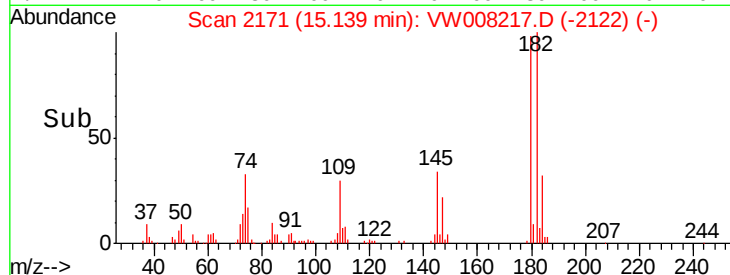
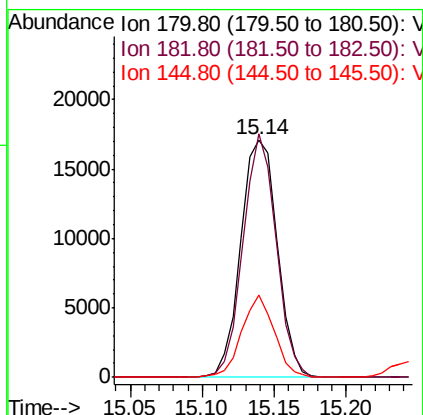
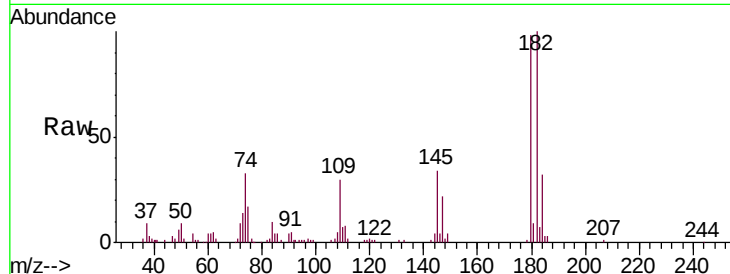




#93
 1,2,4-Trichlorobenzene
 Concen: 21.989 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

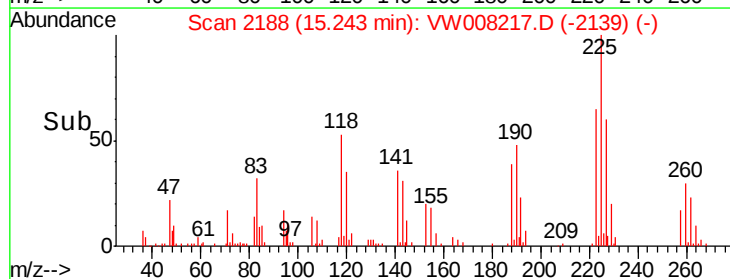
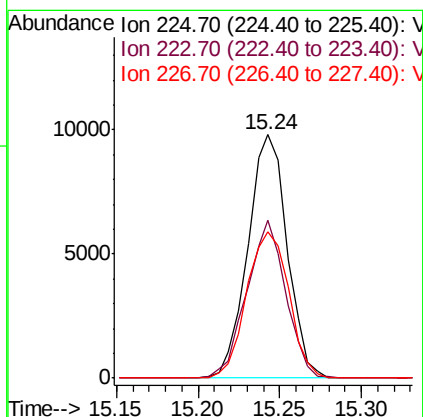
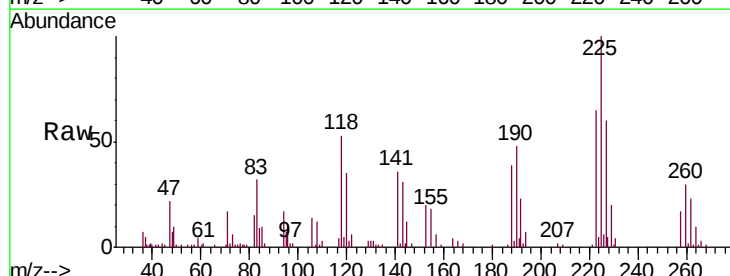
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBSD02

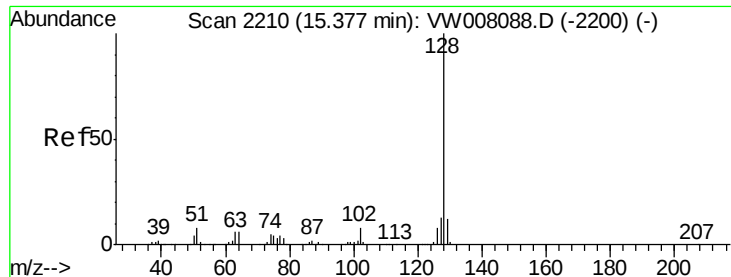
Tgt Ion:180 Resp: 30011
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.6 145.9
 145 30.9 16.6 49.7



#94
 Hexachlorobutadiene
 Concen: 22.569 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008217.D
 Acq: 12 Jan 2019 03:35

Tgt Ion:225 Resp: 16487
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.4 94.3
 227 64.4 32.0 96.2

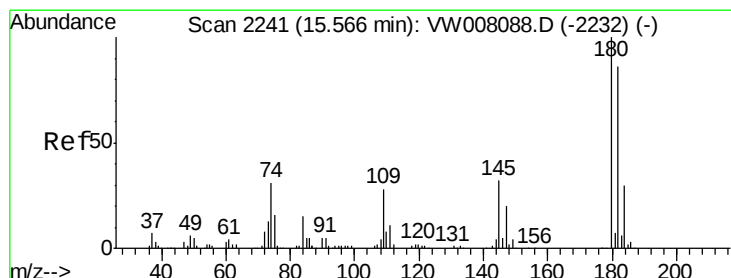
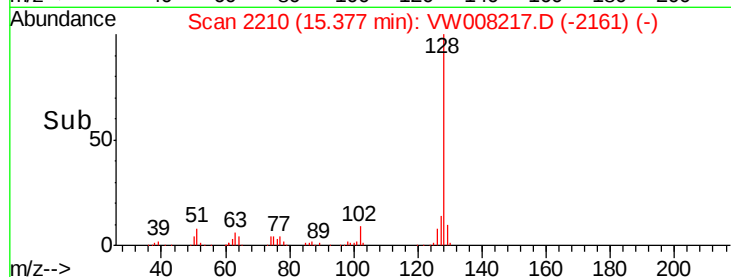
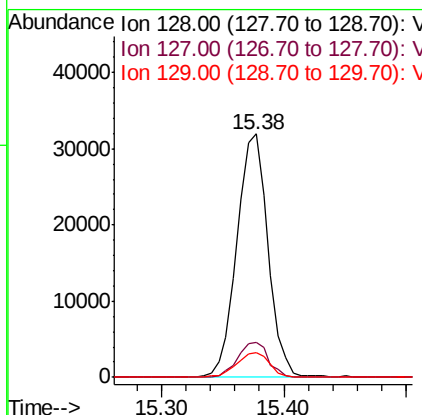
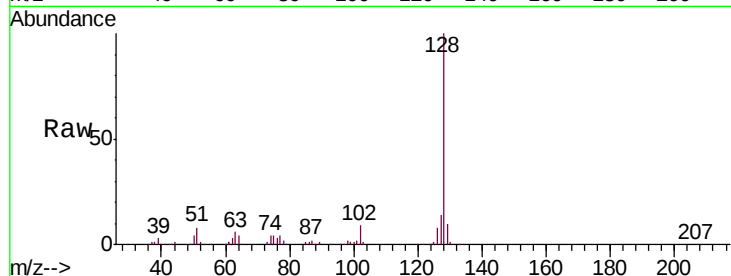




#95
Naphthalene
Concen: 22.084 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Instrument :
MSVOA_W
ClientSampleId :
VW0111SBSD02

Tgt Ion:128 Resp: 56279
Ion Ratio Lower Upper
128 100
127 14.4 11.0 16.4
129 10.9 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 22.563 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008217.D
Acq: 12 Jan 2019 03:35

Tgt Ion:180 Resp: 26252
Ion Ratio Lower Upper
180 100
182 95.8 46.5 139.3
145 34.4 17.4 52.2

