

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121818\
 Data File : VW007606.D
 Acq On : 16 Dec 2018 03:23
 Operator : SY/AP
 Sample : J6378-12MS
 Misc : 3.54G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 17 00:14:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	39338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	67897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	30134	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	7261	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	30902	70.81	ug/l	0.00
Spiked Amount			Recovery	=	141.62%	
35) Dibromofluoromethane	7.88	113	25268	61.48	ug/l	0.00
Spiked Amount			Recovery	=	122.96%	
50) Toluene-d8	10.34	98	64937	42.14	ug/l	0.02
Spiked Amount			Recovery	=	84.28%	
62) 4-Bromofluorobenzene	12.62	95	10921	19.27	ug/l	0.00
Spiked Amount			Recovery	=	38.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	19202	69.852	ug/l	93
3) Chloromethane	2.21	50	18638	80.955	ug/l	98
4) Vinyl Chloride	2.37	62	28543	105.645	ug/l	96
5) Bromomethane	2.78	94	15905	87.617	ug/l	99
6) Chloroethane	2.93	64	13464	90.530	ug/l	97
7) Trichlorofluoromethane	3.26	101	11589	47.710	ug/l	99
8) Diethyl Ether	3.68	74	15808	83.150	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18632	46.487	ug/l	99
10) Methyl Iodide	4.27	142	45018	67.818	ug/l	98
11) Tert butyl alcohol	5.17	59	12331	411.403	ug/l #	74
12) 1,1-Dichloroethene	4.04	96	28796	74.621	ug/l	98
13) Acrolein	3.89	56	2464	124.238	ug/l #	81
14) Allyl chloride	4.66	41	28274	49.707	ug/l	99
15) Acrylonitrile	5.37	53	35955	448.627	ug/l #	82
16) Acetone	4.12	43	46046	604.038	ug/l	96
17) Carbon Disulfide	4.37	76	75013	64.111	ug/l	99
18) Methyl Acetate	4.67	43	46919	226.775	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	39669	68.143	ug/l #	1
20) Methylene Chloride	4.92	84	33545	83.059	ug/l #	81
21) trans-1,2-Dichloroethene	5.42	96	29178	67.591	ug/l	95
22) Diisopropyl ether	6.31	45	74134	67.805	ug/l	98
23) Vinyl Acetate	6.25	43	62398	102.033	ug/l	99
24) 1,1-Dichloroethane	6.21	63	52597	71.178	ug/l	98
25) 2-Butanone	7.17	43	58219	585.005	ug/l	97
26) 2,2-Dichloropropane	7.16	77	23260	47.561	ug/l	83
27) cis-1,2-Dichloroethene	7.16	96	67832	143.507	ug/l	96
28) Bromochloromethane	7.51	49	20146	72.480	ug/l	99
29) Tetrahydrofuran	7.53	42	30439	483.143	ug/l	96
30) Chloroform	7.67	83	55622	69.168	ug/l	98
31) Cyclohexane	7.96	56	304623	449.312	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	35483	50.317	ug/l	98
36) 1,1-Dichloropropene	8.09	75	30838	49.789	ug/l	99
37) Ethyl Acetate	7.25	43	19885	86.318	ug/l	98
38) Carbon Tetrachloride	8.07	117	30730	45.598	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	317828	423.768	ug/l	90
40) Benzene	8.32	78	635518	369.726	ug/l	100
41) Methacrylonitrile	7.49	41	12272	93.547	ug/l	97
42) 1,2-Dichloroethane	8.40	62	43528	80.614	ug/l #	69
43) Isopropyl Acetate	8.43	43	50872	111.794	ug/l #	88
44) Trichloroethene	9.09	130	23762	48.411	ug/l	91
45) 1,2-Dichloropropane	9.37	63	27164	68.291	ug/l	96
46) Dibromomethane	9.46	93	16114	71.336	ug/l	95
47) Bromodichloromethane	9.65	83	34694	58.554	ug/l	96
48) Methyl methacrylate	9.44	41	20196	86.417	ug/l	99
49) 1,4-Dioxane	9.45	88	6708	1830.192	ug/l	98
51) 4-Methyl-2-Pentanone	10.26	43	93258	433.736	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	29361	51.043	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	35817	53.863	ug/l	92
55) 1,1,2-Trichloroethane	10.78	97	38336	124.697	ug/l #	56
56) Ethyl methacrylate	10.65	69	34542	93.477	ug/l #	59
57) 1,3-Dichloropropane	10.94	76	28652	56.781	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	36150	212.141	ug/l	98
59) 2-Hexanone	10.97	43	78200	545.444	ug/l	82
60) Dibromochloromethane	11.13	129	18180	46.858	ug/l	100
61) 1,2-Dibromoethane	11.24	107	17021	56.024	ug/l	98
64) Tetrachloroethene	10.87	164	9870	45.546	ug/l	93
65) Chlorobenzene	11.66	112	2059591	3279.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	11567	52.289	ug/l	97
67) Ethyl Benzene	11.74	91	11797936	10925.447	ug/l #	84
68) m/p-Xylenes	11.87	106	20079844	47831.710	ug/l #	1
69) o-Xylene	12.18	106	6250997	15943.686	ug/l	94
70) Stvrene	12.18	104	374131	590.791	ug/l #	1
71) Bromoform	12.36	173	8678	76.643	ug/l #	92
73) Isopropylbenzene	12.46	105	205783	369.870	ug/l	99
74) N-amyl acetate	12.26	43	19217	190.052	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.72	83	14746	178.948	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	20871	348.611	ug/l #	1
77) Bromobenzene	12.75	156	10425	84.533	ug/l	68
78) n-propylbenzene	12.80	91	289031	461.609	ug/l	99
79) 2-Chlorotoluene	12.99	91	26953	71.142	ug/l	86
80) 1,3,5-Trimethylbenzene	12.95	105	395304	845.597	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.52	75	4333	159.876	ug/l	97
82) 4-Chlorotoluene	12.99	91	26953	67.490	ug/l	87
83) tert-Butylbenzene	13.21	119	23465	56.965	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1265620	2630.867	ug/l	100
85) sec-Butylbenzene	13.39	105	41337	73.511	ug/l	88
86) p-Isopropyltoluene	13.51	119	266797	528.131	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	105167	427.710	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1089927	4409.183	ug/l	91
89) n-Butylbenzene	13.83	91	44626	95.290	ug/l #	81
90) Hexachloroethane	14.10	117	14719	163.753	ug/l #	35
91) 1,2-Dichlorobenzene	13.88	146	53548	243.147	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3320	200.764	ug/l	68
93) 1,2,4-Trichlorobenzene	15.15	180	5047	33.301	ug/l #	58

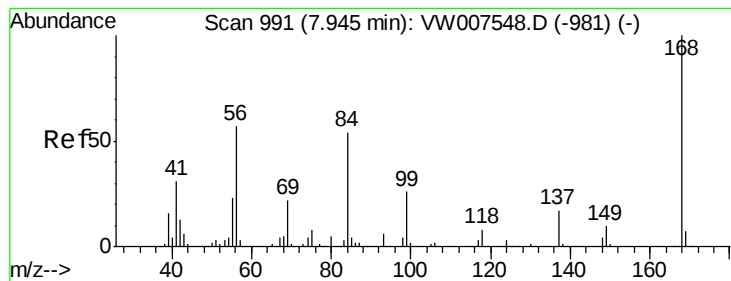
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	1830	22.757	ug/l	93
95) Naphthalene	15.37	128	392525	1353.827	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	5830	44.282	ug/l #	37

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

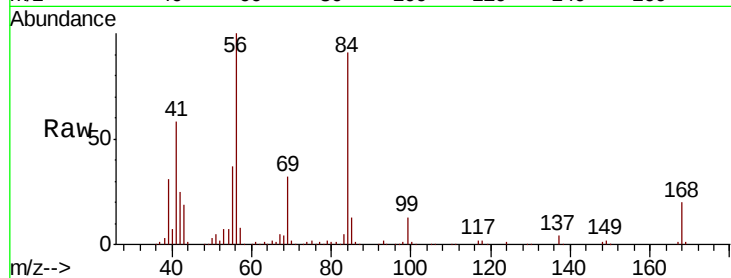
ClientSampleId :

Tot Ion:168 Resp: 39338

Ion Ratio Lower Upper

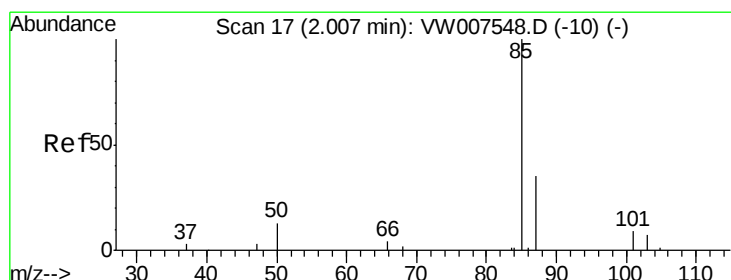
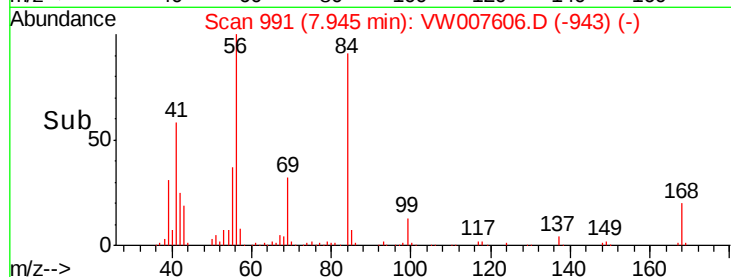
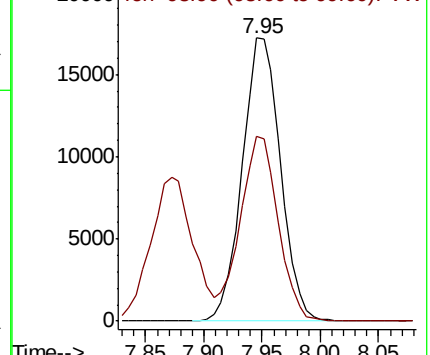
168 100

99 65.2 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 69.852 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007606.D

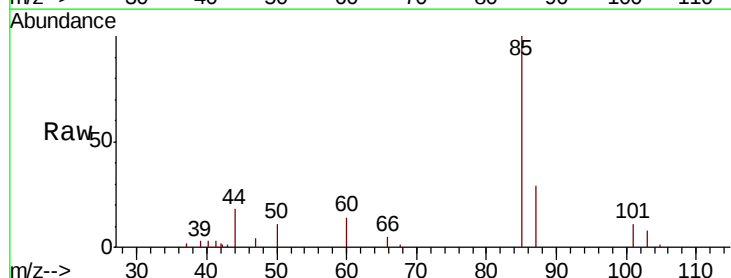
Acq: 16 Dec 2018 03:23

Tgt Ion: 85 Resp: 19202

Ion Ratio Lower Upper

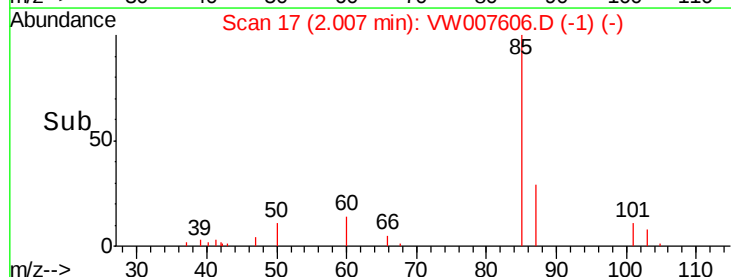
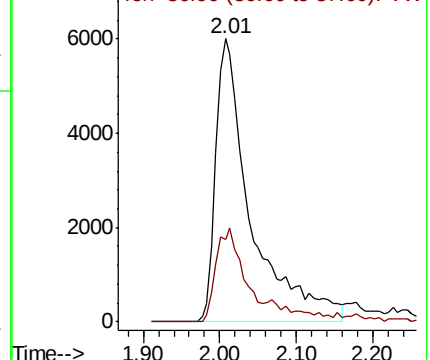
85 100

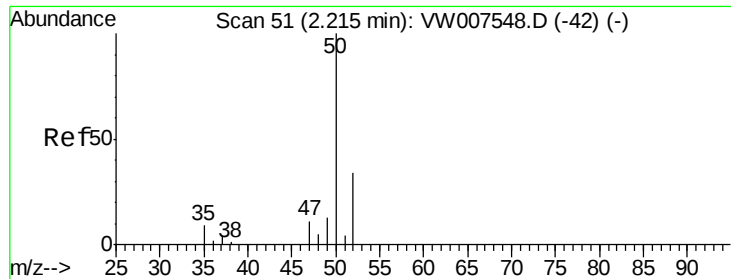
87 29.1 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 80.955 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

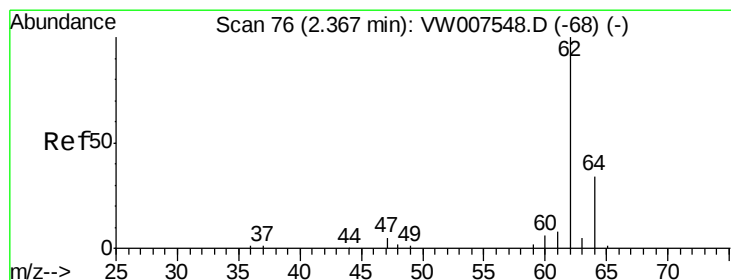
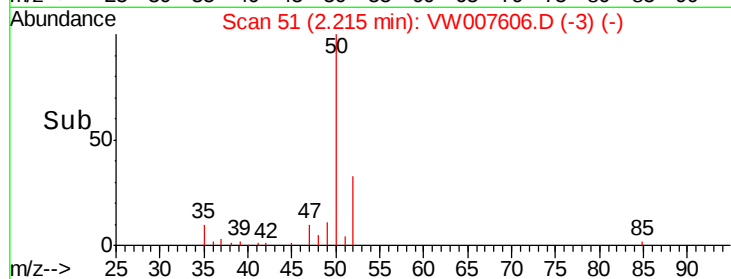
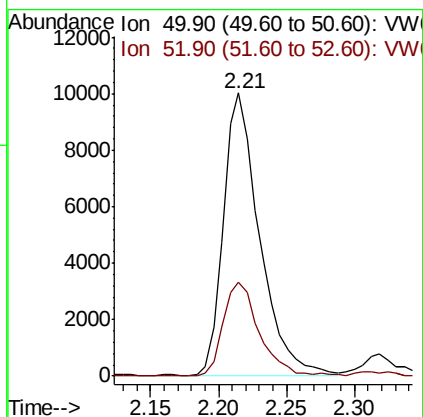
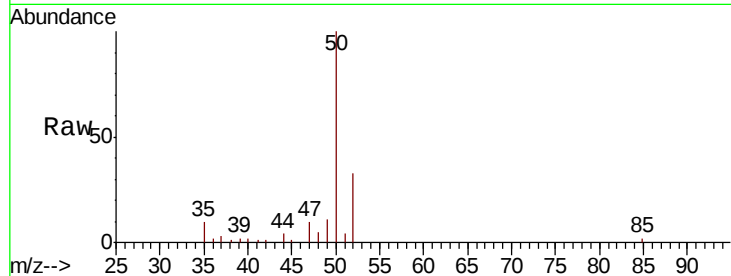
ClientSampled :

Tot Ion: 50 Resp: 18638

Ion Ratio Lower Upper

50 100

52 33.2 27.4 41.0



#4

Vinyl Chloride

Concen: 105.645 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007606.D

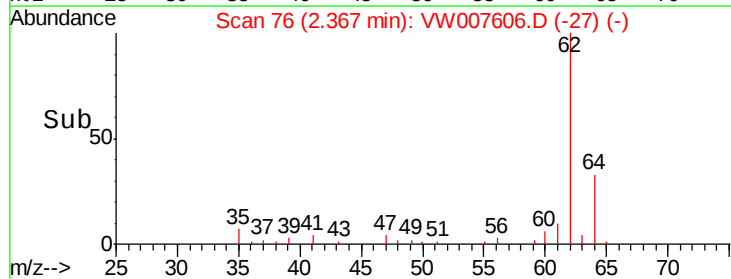
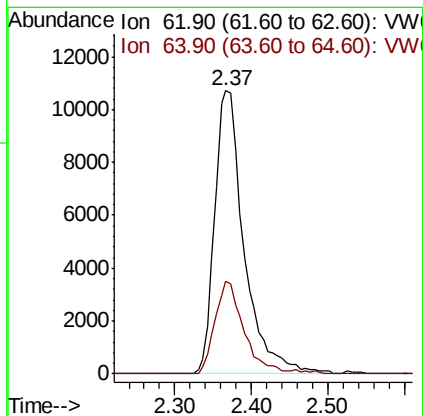
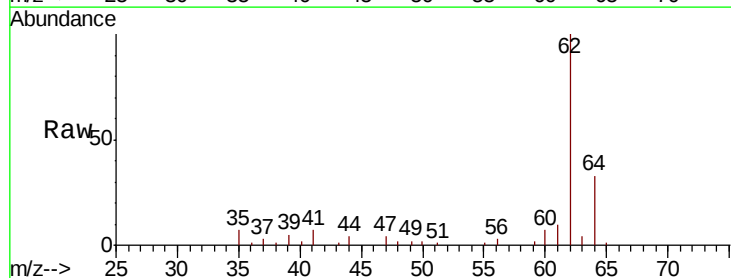
Acq: 16 Dec 2018 03:23

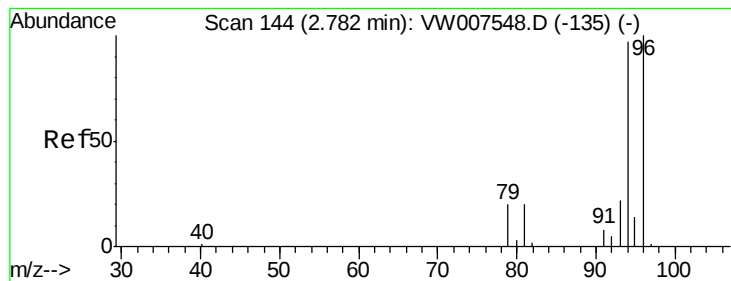
Tgt Ion: 62 Resp: 28543

Ion Ratio Lower Upper

62 100

64 32.9 24.6 37.0





#5

Bromomethane

Concen: 87.617 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

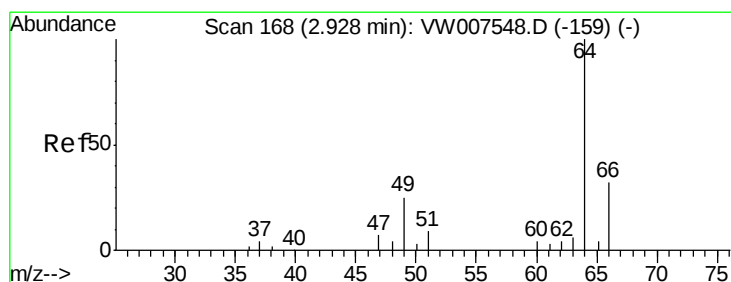
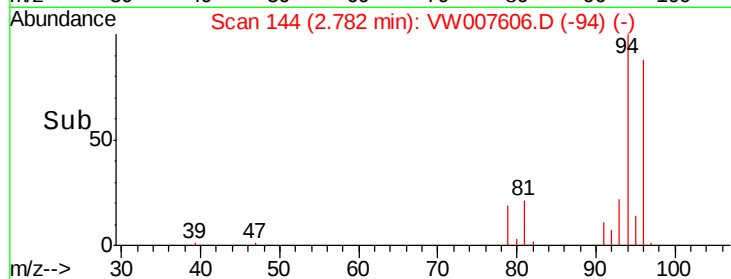
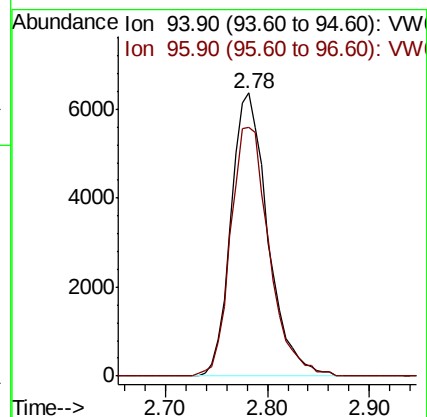
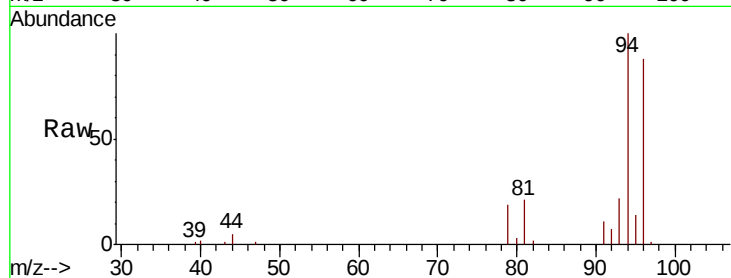
ClientSampleId :

Tot Ion: 94 Resp: 15905

Ion Ratio Lower Upper

94 100

96 88.0 71.0 106.4



#6

Chloroethane

Concen: 90.530 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW007606.D

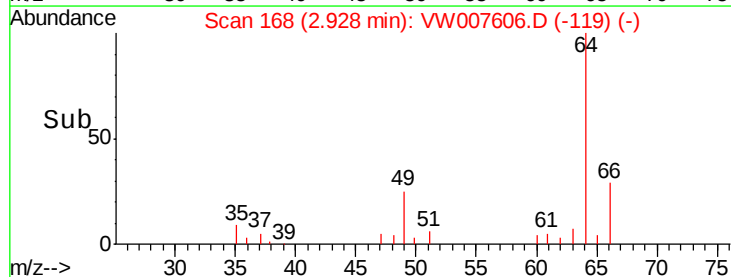
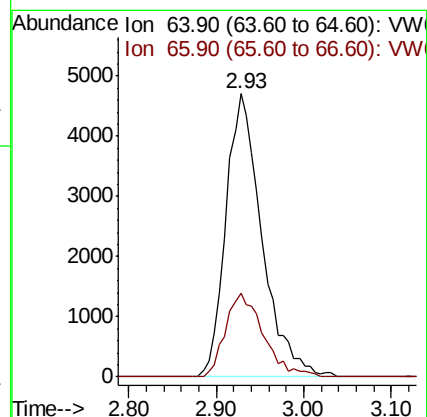
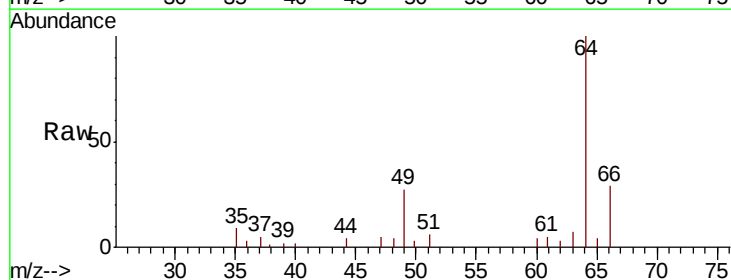
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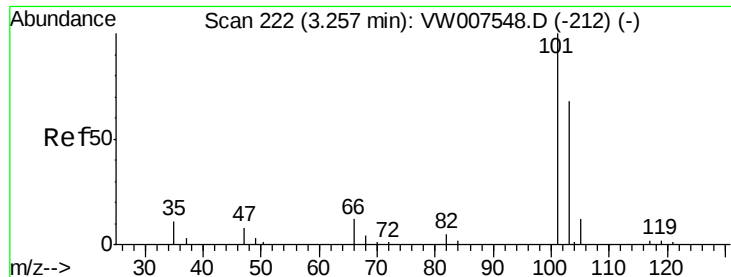
Tgt Ion: 64 Resp: 13464

Ion Ratio Lower Upper

64 100

66 29.4 24.6 37.0



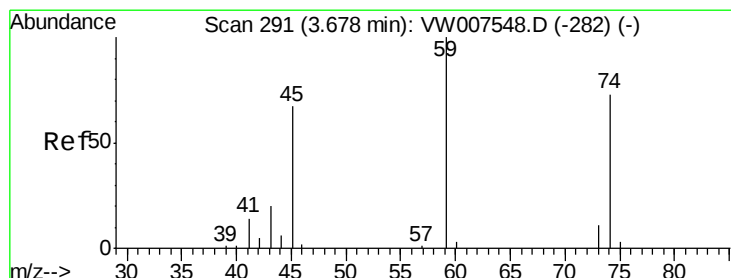
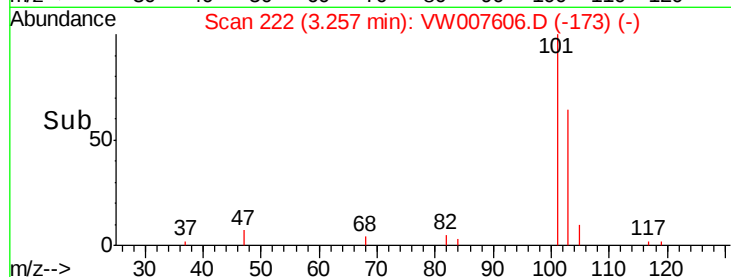
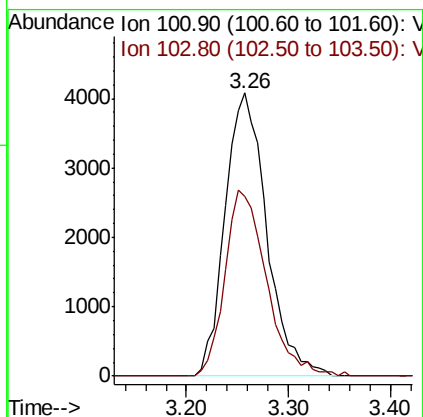
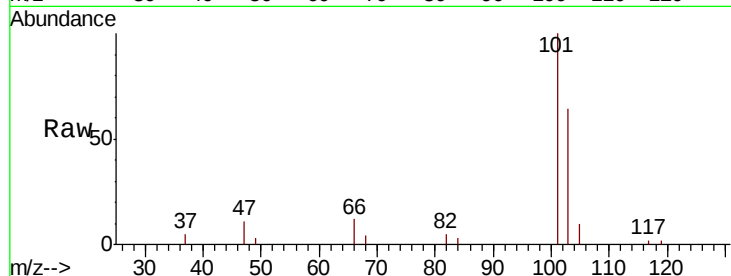


#7

Trichlorofluoromethane
 Concen: 47.710 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Instrument :
 MSVOA_W
 ClientSampled :

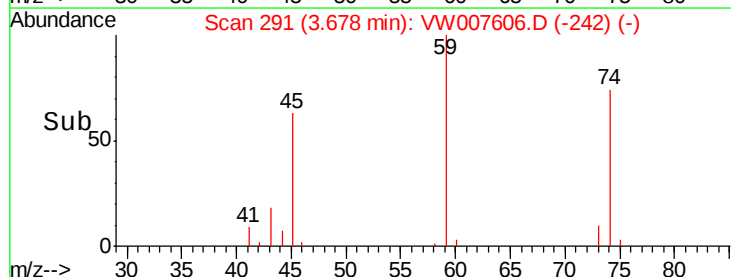
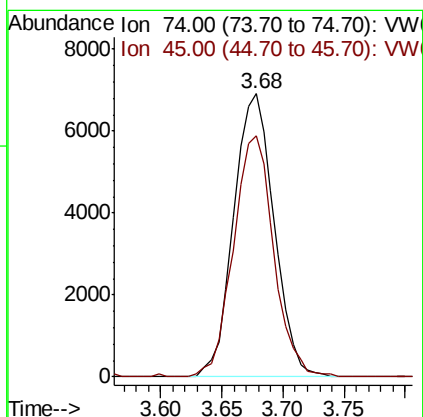
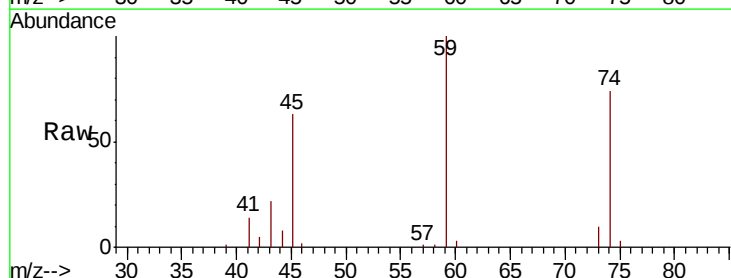
Tot Ion:101 Resp: 11589
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.7 77.5

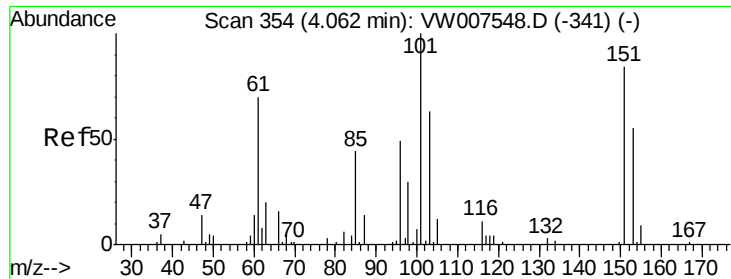


#8

Diethyl Ether
 Concen: 83.150 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 74 Resp: 15808
 Ion Ratio Lower Upper
 74 100
 45 85.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.487 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampled :

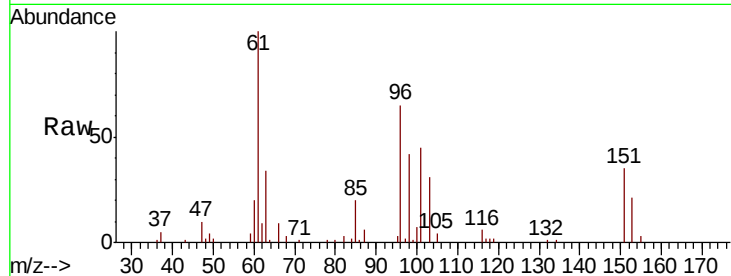
Tot Ion:101 Resp: 18632

Ion Ratio Lower Upper

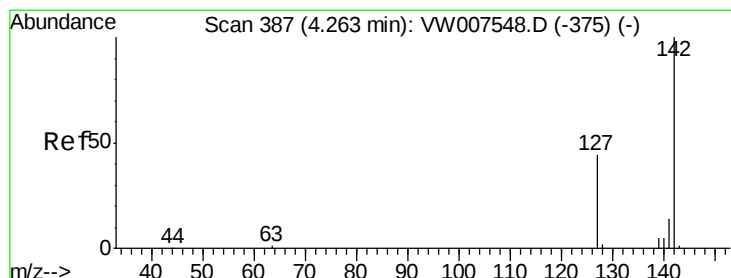
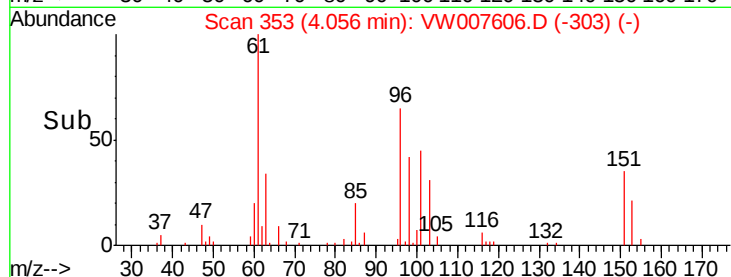
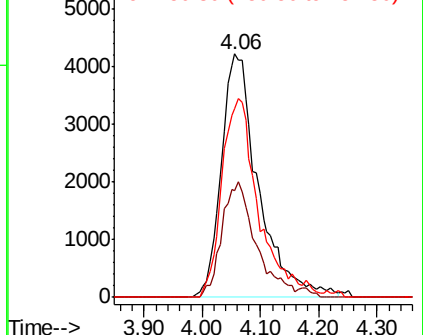
101 100

85 43.4 33.9 50.9

151 79.0 63.7 95.5



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



#10

Methyl Iodide

Concen: 67.818 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

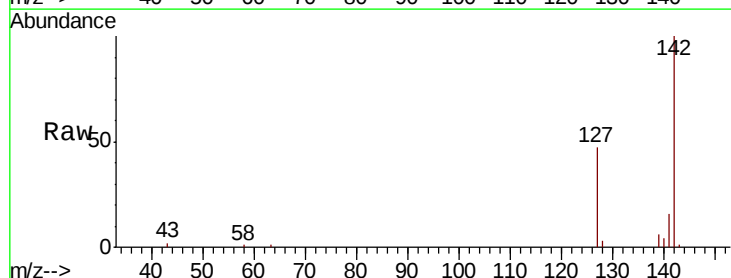
Tgt Ion:142 Resp: 45018

Ion Ratio Lower Upper

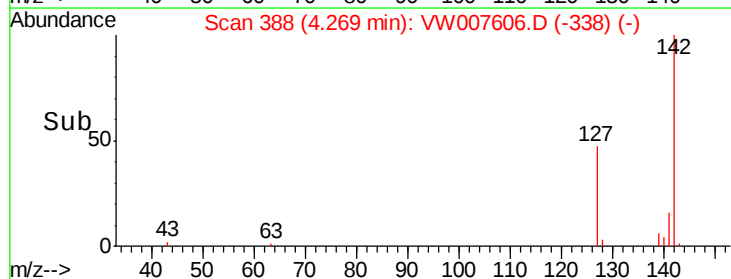
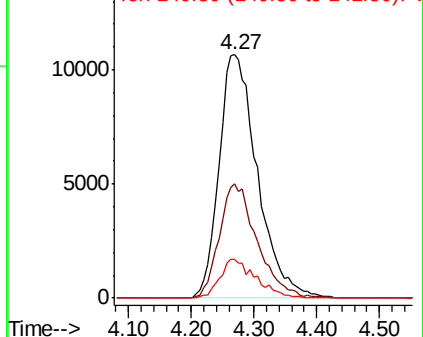
142 100

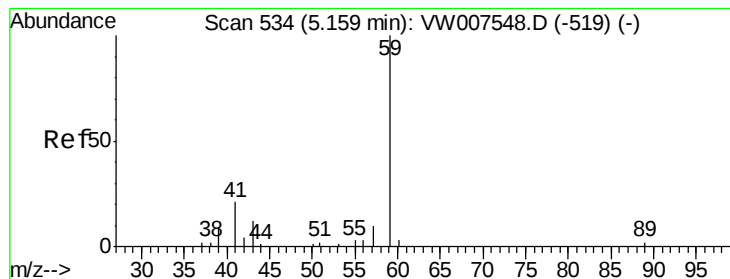
127 46.2 35.8 53.6

141 15.0 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



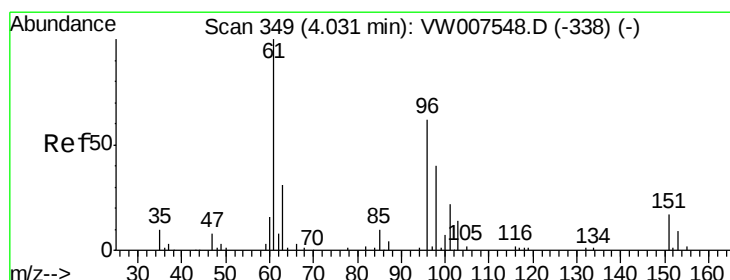
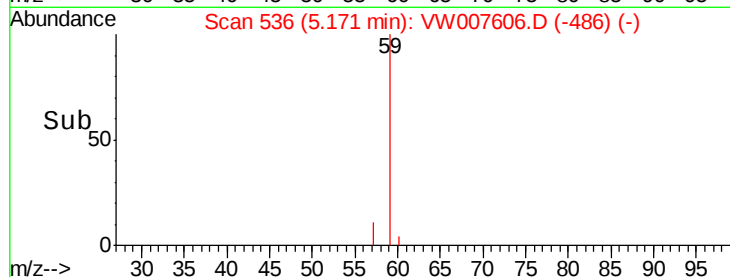
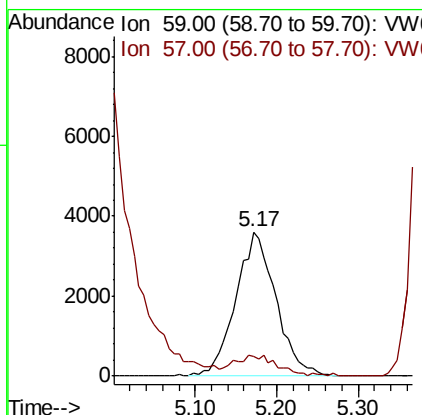
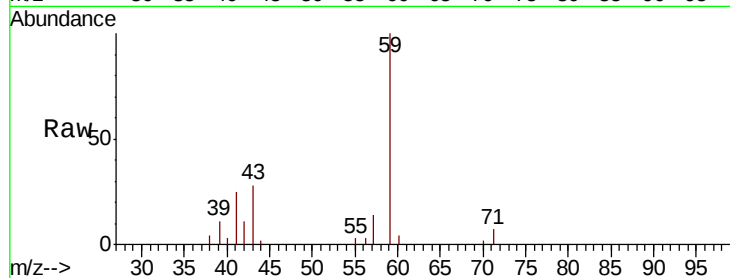


#11

Tert butyl alcohol
 Concen: 411.403 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Instrument :
 MSVOA_W
 ClientSampled :

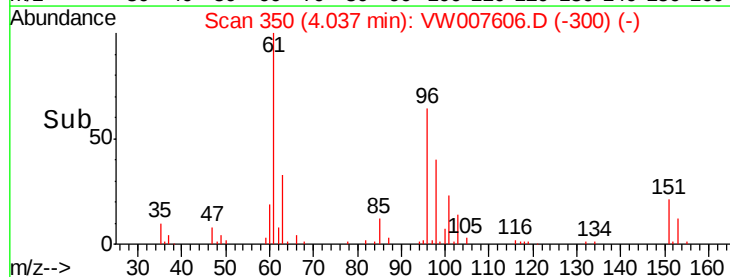
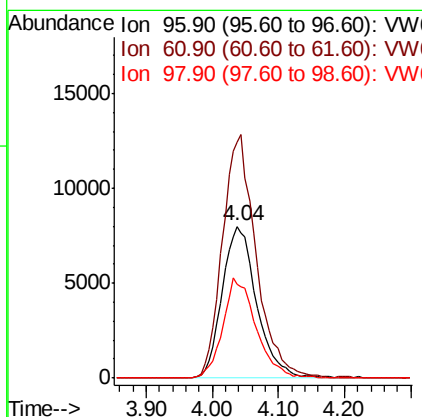
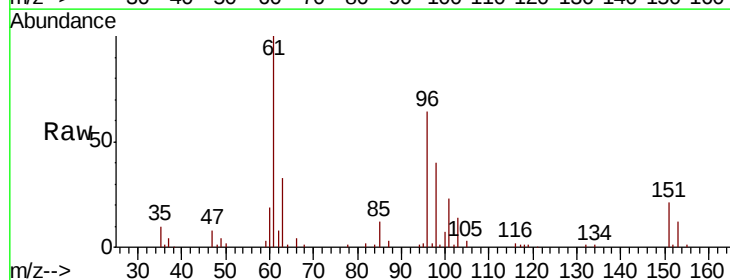
Tot Ion: 59 Resp: 12331
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

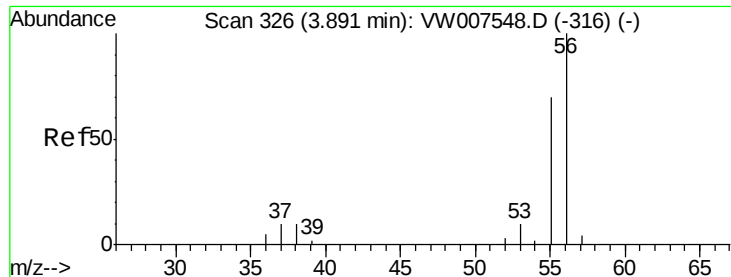


#12

1,1-Dichloroethene
 Concen: 74.621 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 96 Resp: 28796
 Ion Ratio Lower Upper
 96 100
 61 155.1 126.2 189.2
 98 61.8 48.3 72.5





#13

Acrolein

Concen: 124.238 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

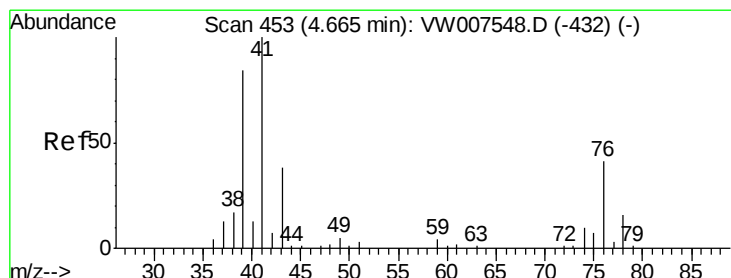
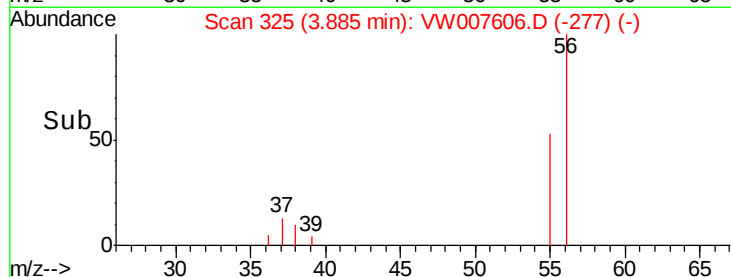
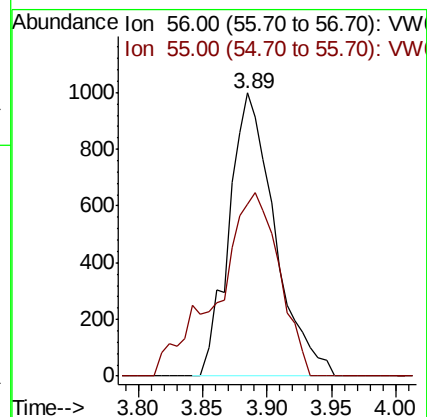
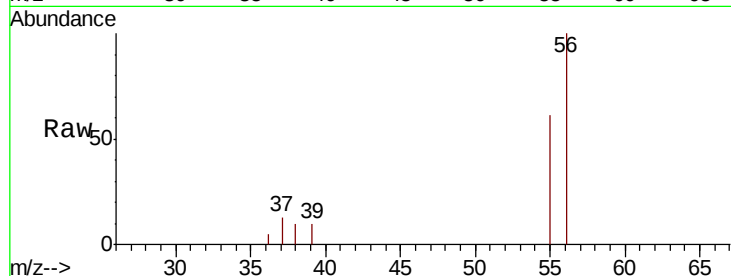
ClientSampled :

Tot Ion: 56 Resp: 2464

Ion Ratio Lower Upper

56 100

55 87.7 57.4 86.2#



#14

Allyl chloride

Concen: 49.707 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

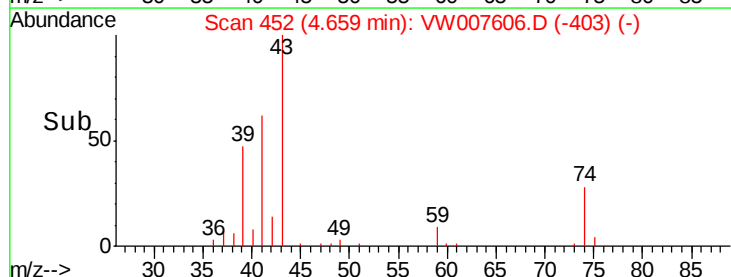
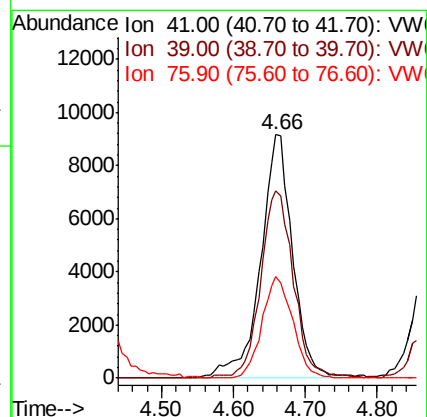
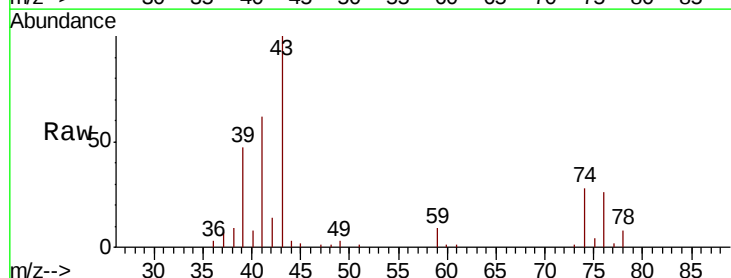
Tgt Ion: 41 Resp: 28274

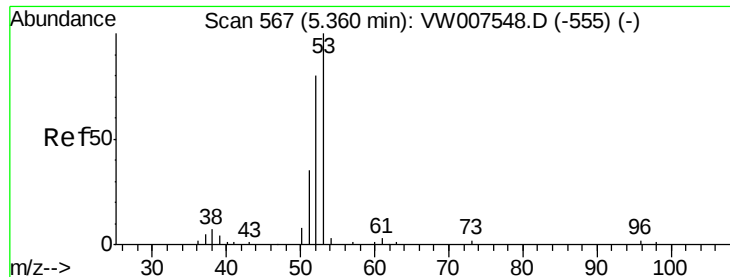
Ion Ratio Lower Upper

41 100

39 78.2 63.4 95.2

76 40.0 32.1 48.1





#15

Acrylonitrile

Concen: 448.627 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampled :

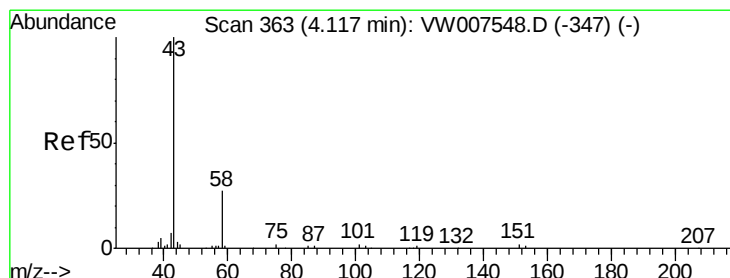
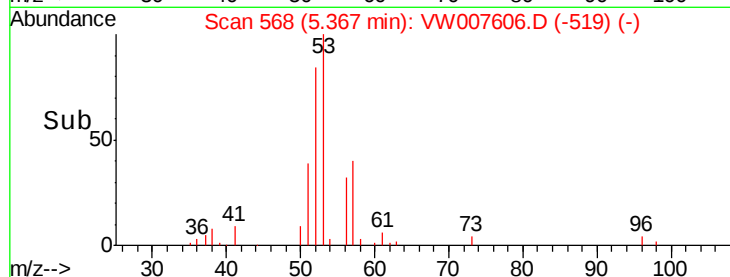
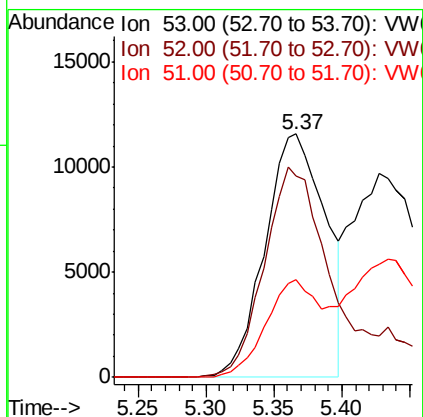
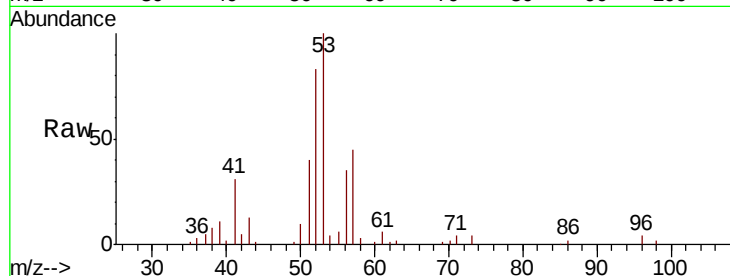
Tot Ion: 53 Resp: 35955

Ion Ratio Lower Upper

53 100

52 107.3 67.4 101.2#

51 37.0 30.2 45.2



#16

Acetone

Concen: 604.038 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007606.D

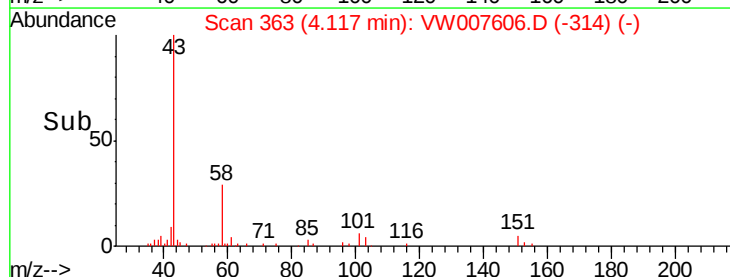
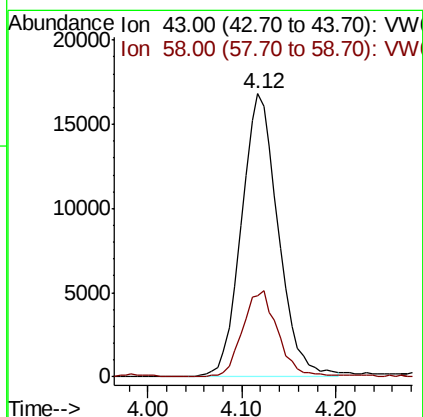
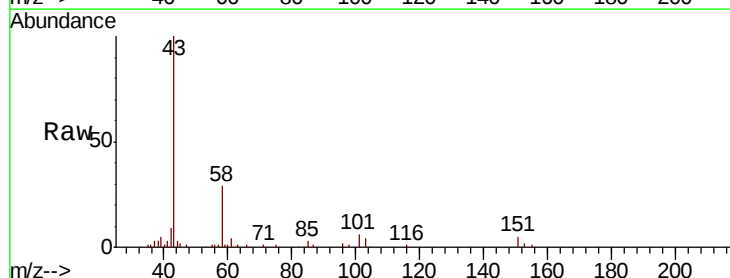
Acq: 16 Dec 2018 03:23

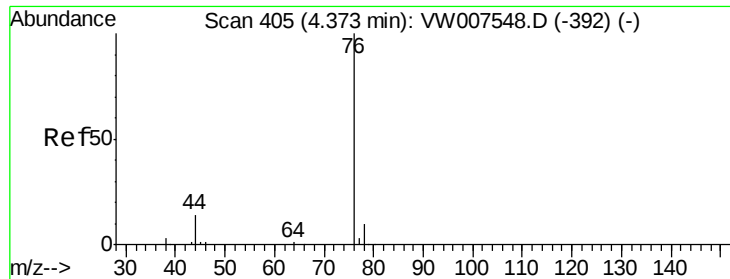
Tgt Ion: 43 Resp: 46046

Ion Ratio Lower Upper

43 100

58 28.9 24.9 37.3

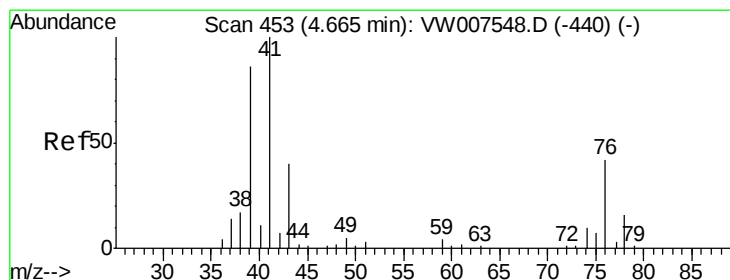
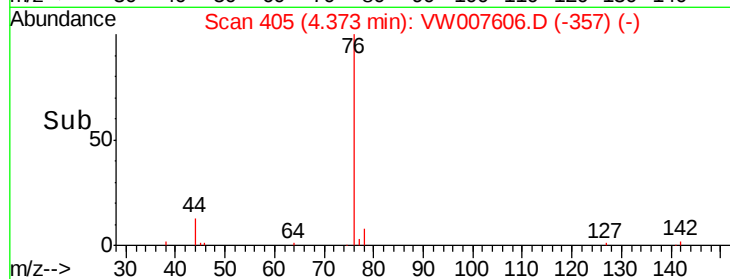
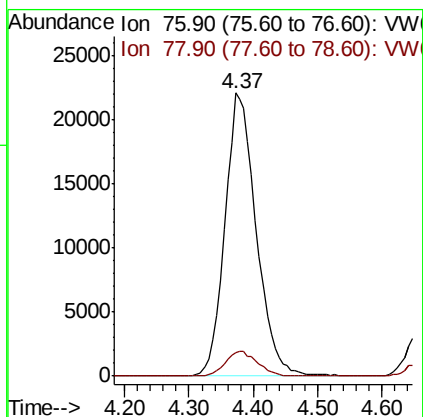
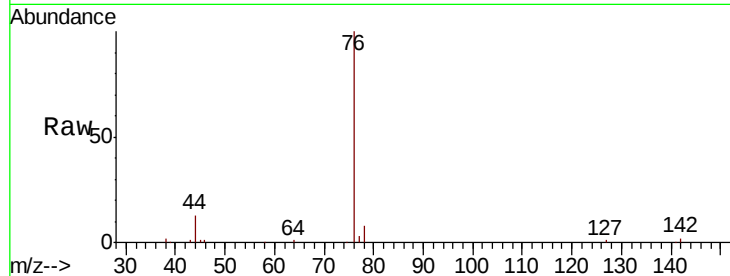




#17
Carbon Disulfide
Concen: 64.111 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

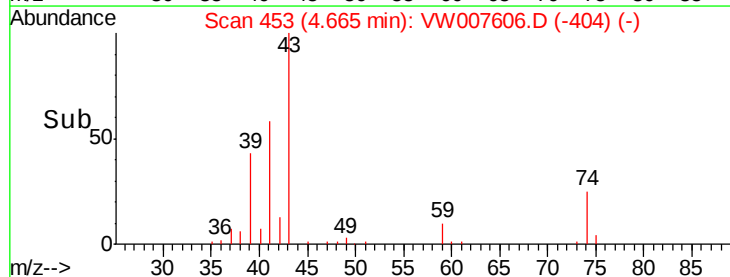
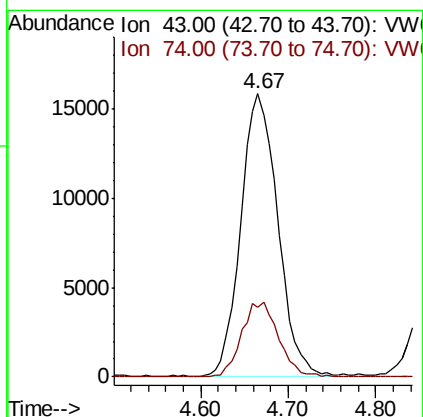
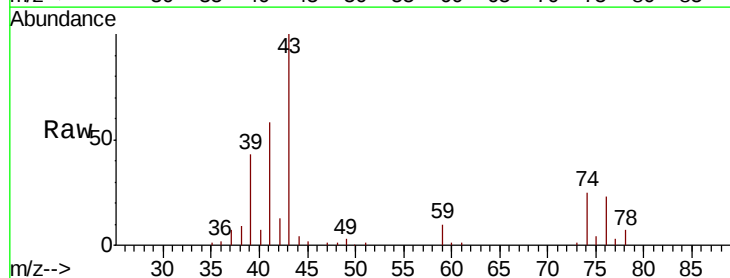
Instrument :
MSVOA_W
ClientSampleId :

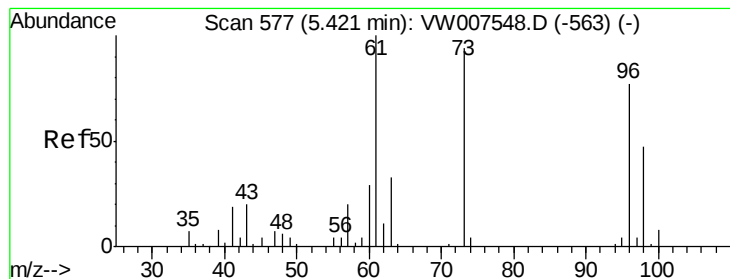
Tot Ion: 76 Resp: 75013
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7



#18
Methyl Acetate
Concen: 226.775 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion: 43 Resp: 46919
Ion Ratio Lower Upper
43 100
74 26.1 21.1 31.7



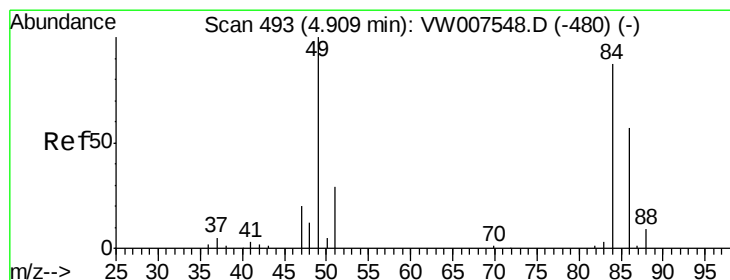
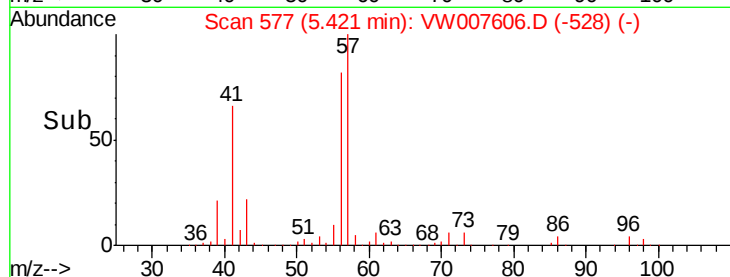
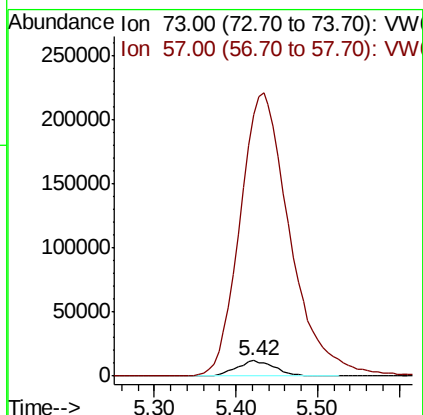
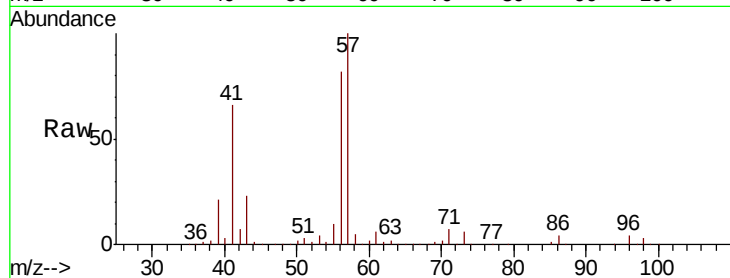


#19

Methyl tert-butyl Ether
 Concen: 68.143 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Instrument :
 MSVOA_W
 ClientSampleId :

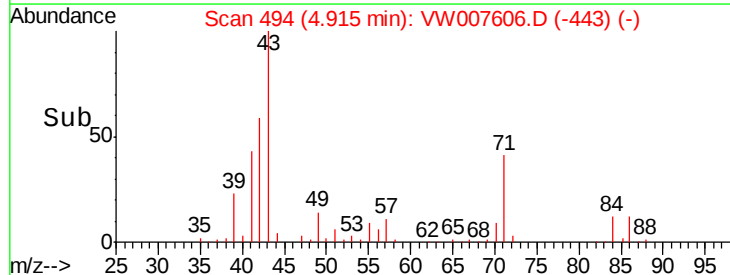
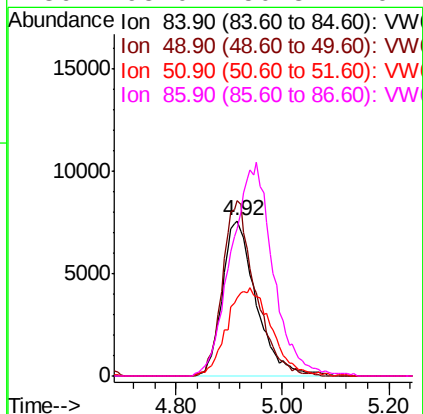
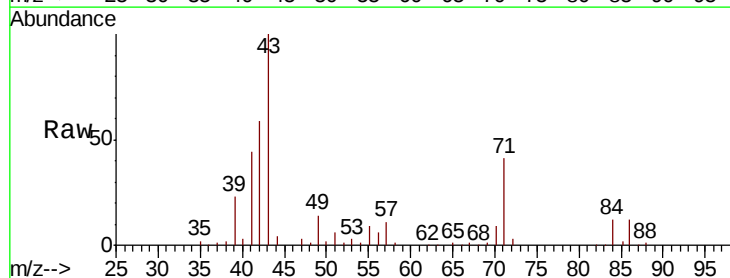
Tot Ion: 73 Resp: 39669
 Ion Ratio Lower Upper
 73 100
 57 1700.6 16.4 24.6#

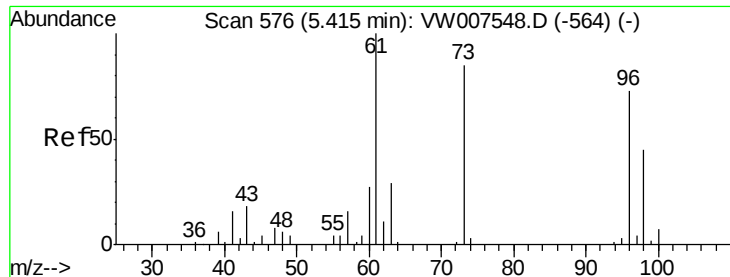


#20

Methylene Chloride
 Concen: 83.059 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 84 Resp: 33545
 Ion Ratio Lower Upper
 84 100
 49 112.7 87.1 130.7
 51 49.9 28.2 42.2#
 86 95.0 50.8 76.2#





#21

trans-1,2-Dichloroethene

Concen: 67.591 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

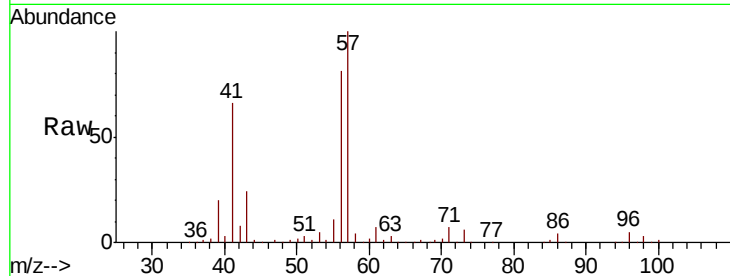
Tot Ion: 96 Resp: 29178

Ion Ratio Lower Upper

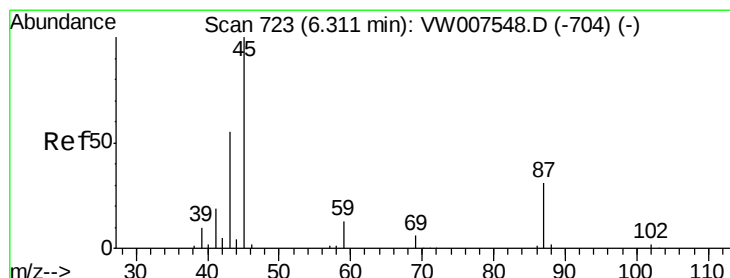
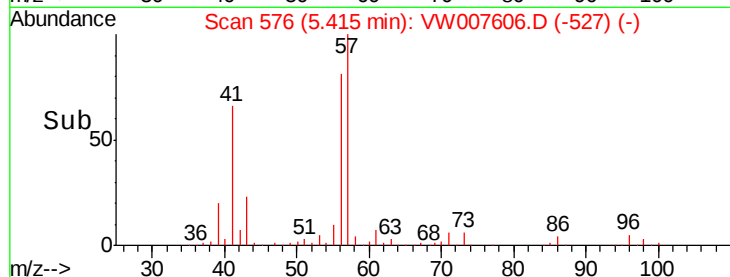
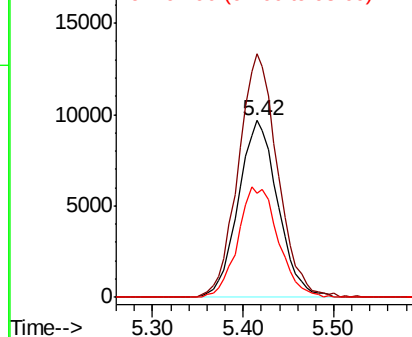
96 100

61 137.8 105.0 157.6

98 59.1 49.7 74.5



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



#22

Diisopropyl ether

Concen: 67.805 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Tgt Ion: 45 Resp: 74134

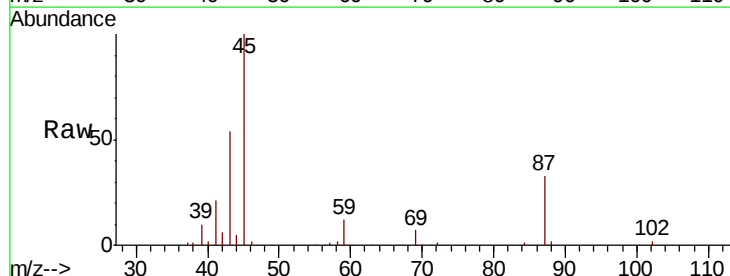
Ion Ratio Lower Upper

45 100

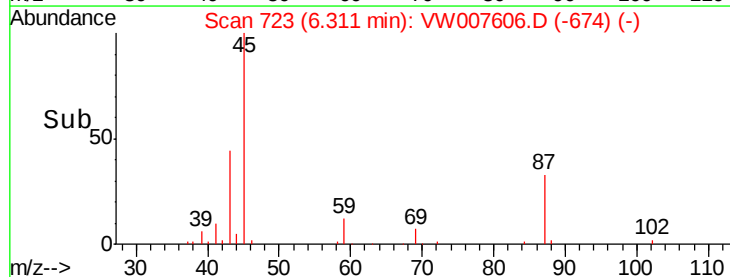
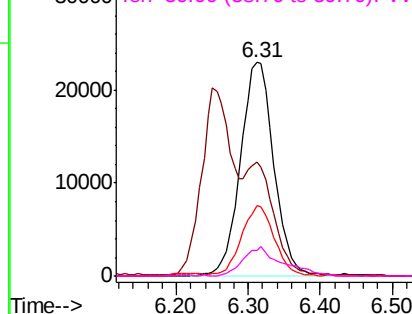
43 52.7 41.6 62.4

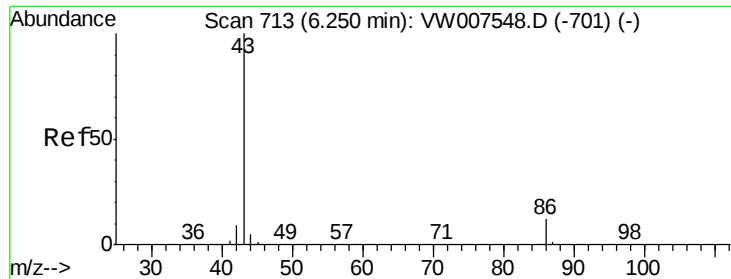
87 33.1 24.3 36.5

59 12.2 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 102.033 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

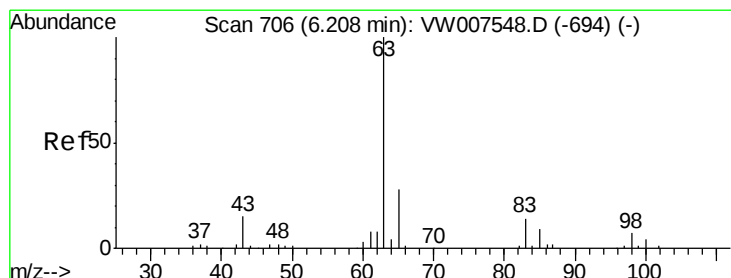
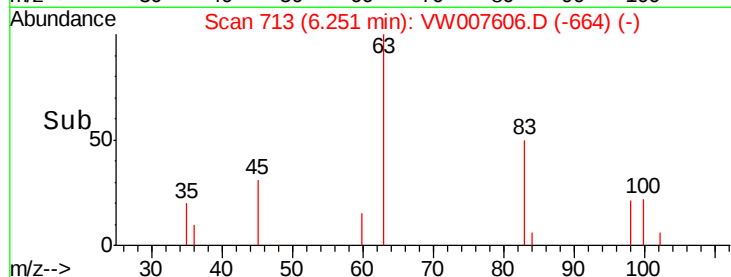
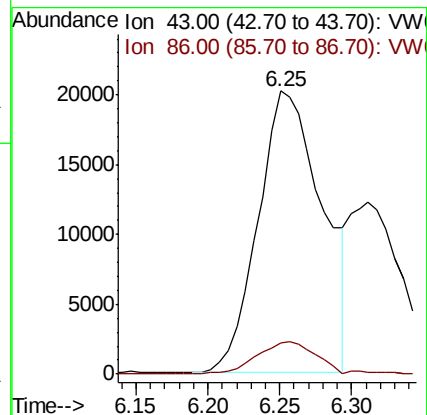
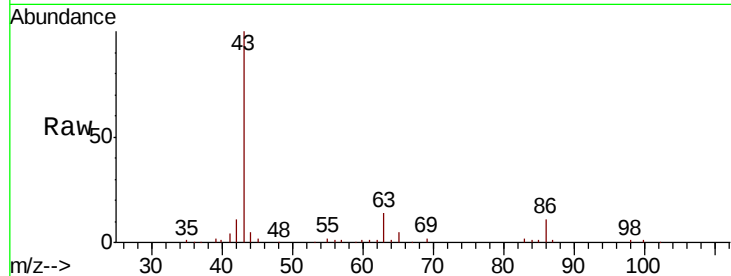
ClientSampled :

Tot Ion: 43 Resp: 62398

Ion Ratio Lower Upper

43 100

86 11.2 8.6 12.8



#24

1,1-Dichloroethane

Concen: 71.178 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

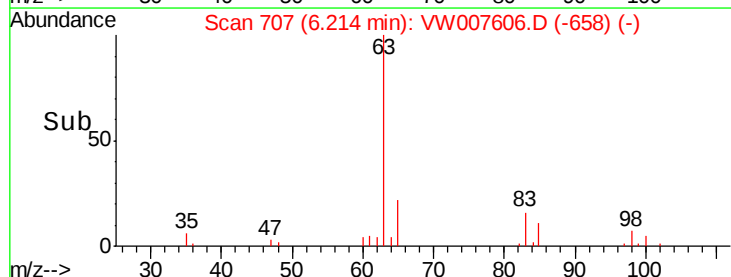
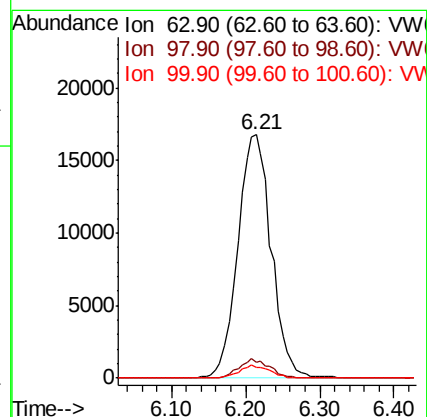
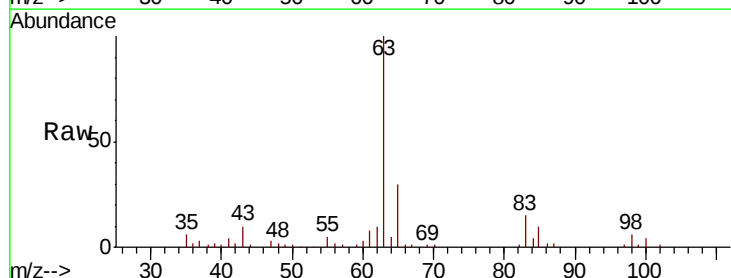
Tgt Ion: 63 Resp: 52597

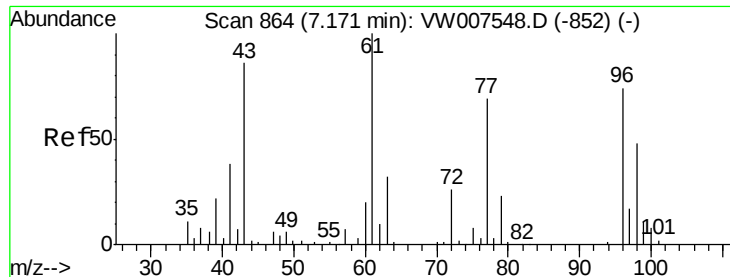
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.3 2.5 7.5





#25

2-Butanone

Concen: 585.005 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

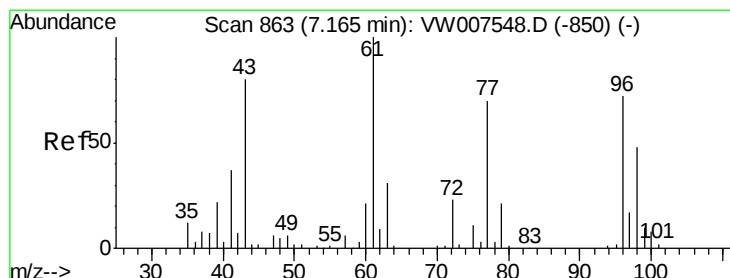
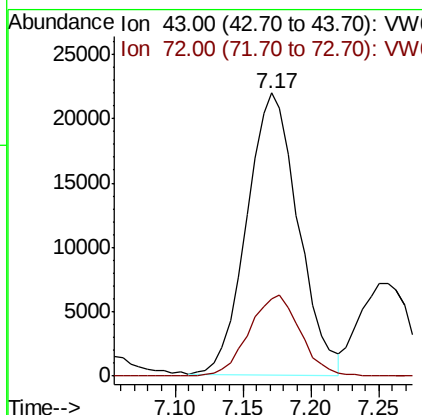
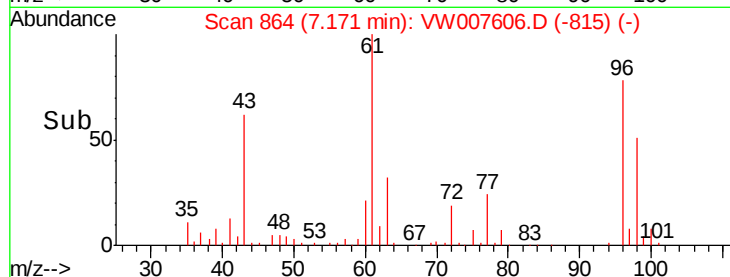
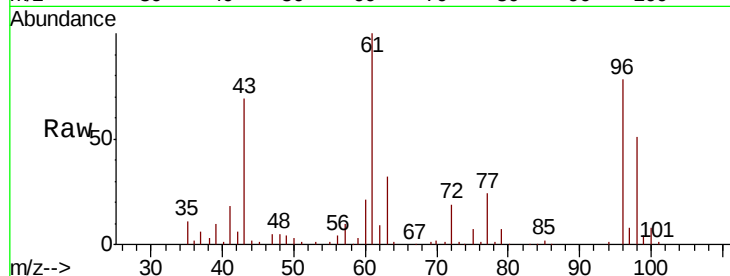
ClientSampled :

Tot Ion: 43 Resp: 58219

Ion Ratio Lower Upper

43 100

72 27.7 23.4 35.2



#26

2,2-Dichloropropane

Concen: 47.561 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007606.D

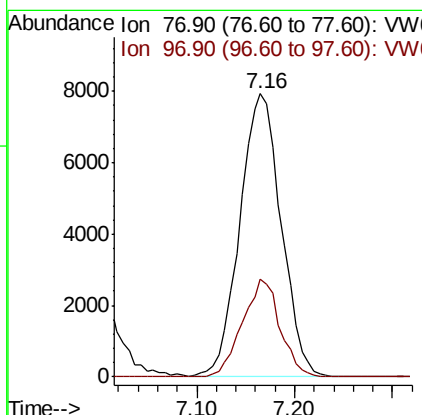
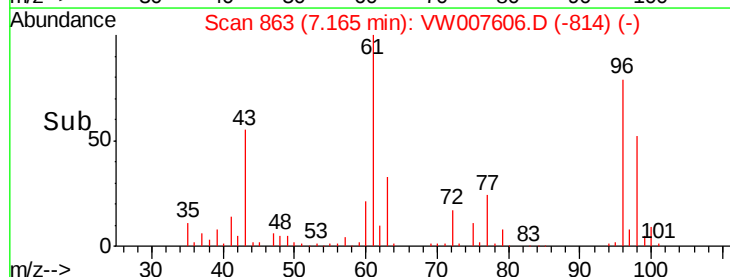
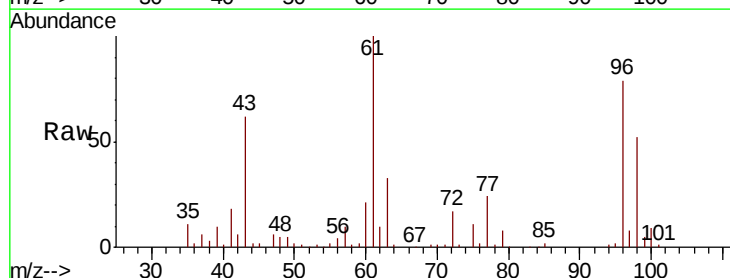
Acq: 16 Dec 2018 03:23

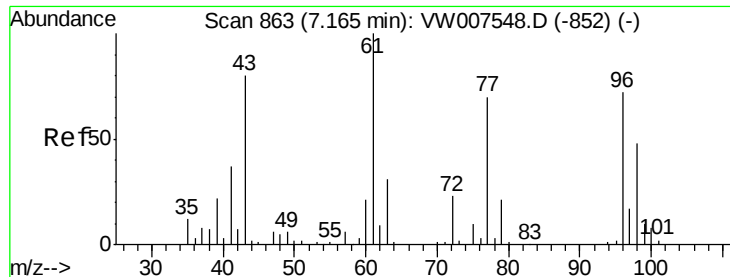
Tgt Ion: 77 Resp: 23260

Ion Ratio Lower Upper

77 100

97 31.3 11.6 34.8



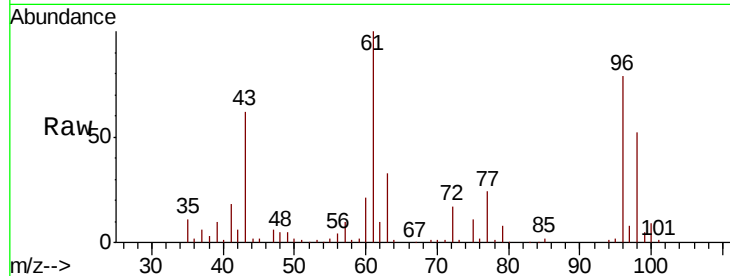


#27

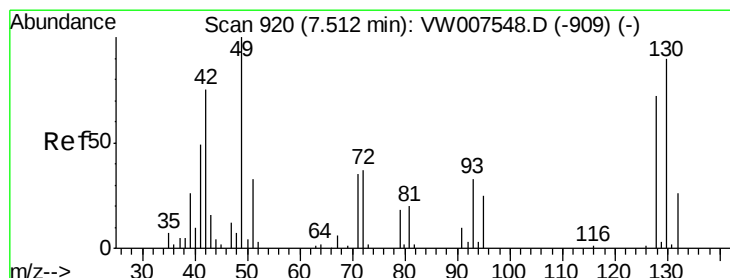
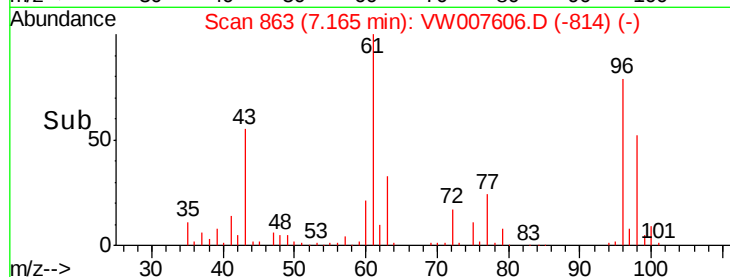
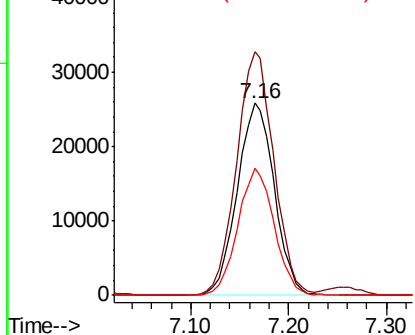
cis-1,2-Dichloroethene
 Concen: 143.507 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 96 Resp: 67832
 Ion Ratio Lower Upper
 96 100
 61 127.3 0.0 268.4
 98 65.1 0.0 127.8



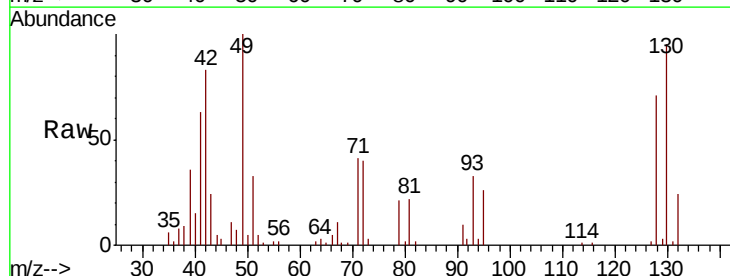
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



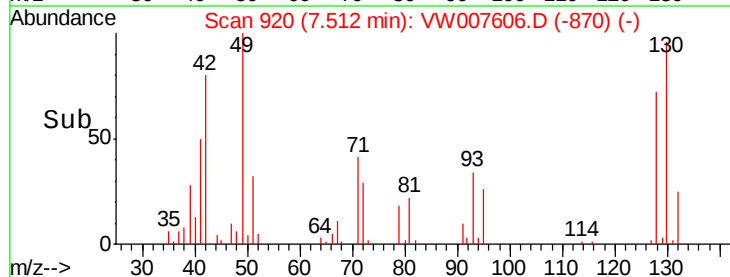
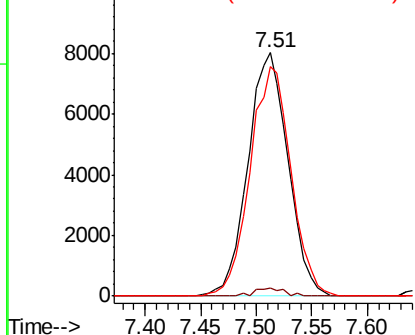
#28

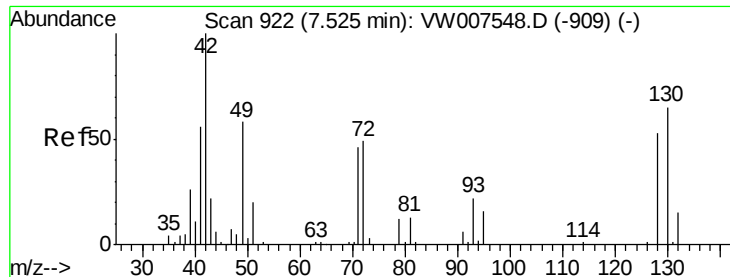
Bromochloromethane
 Concen: 72.480 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 49 Resp: 20146
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 2.6
 130 95.7 75.9 113.9



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





#29

Tetrahydrofuran

Concen: 483.143 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

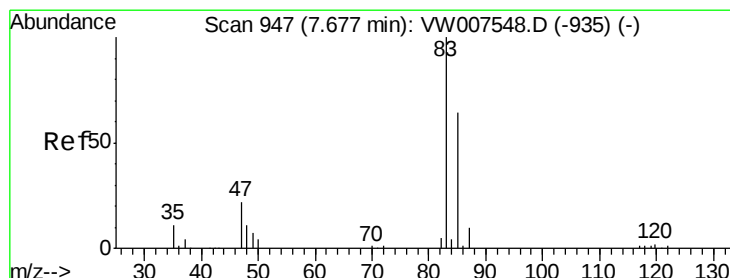
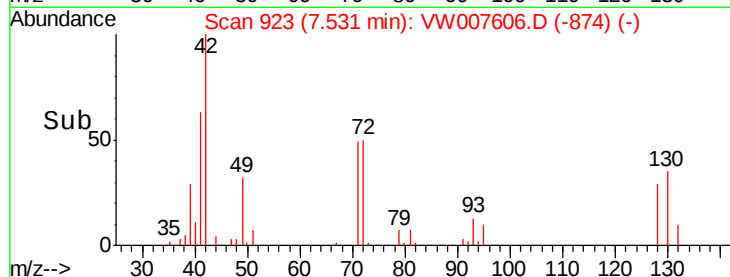
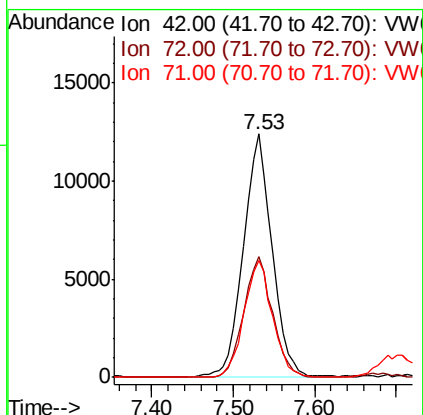
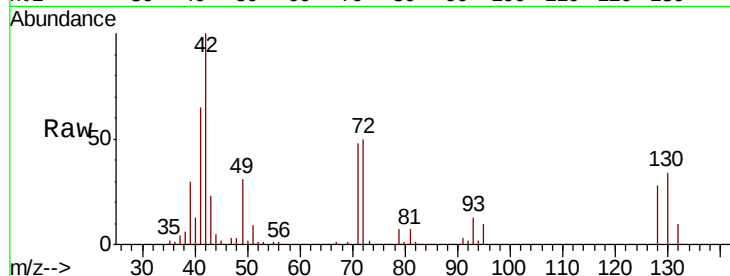
Tot Ion: 42 Resp: 30439

Ion Ratio Lower Upper

42 100

72 49.5 38.2 57.4

71 47.5 35.5 53.3



#30

Chloroform

Concen: 69.168 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW007606.D

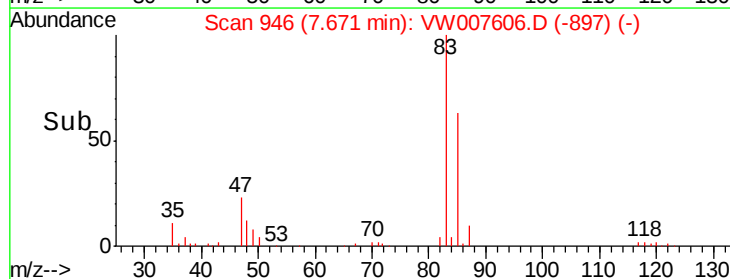
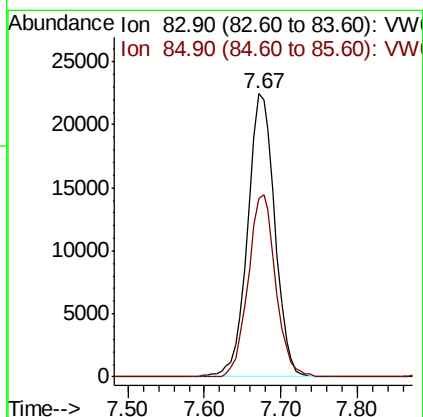
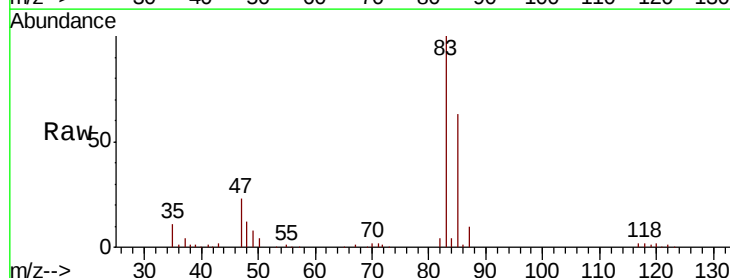
Acq: 16 Dec 2018 03:23

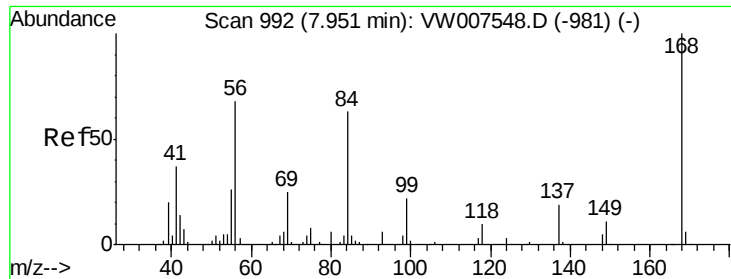
Tgt Ion: 83 Resp: 55622

Ion Ratio Lower Upper

83 100

85 63.2 51.8 77.8

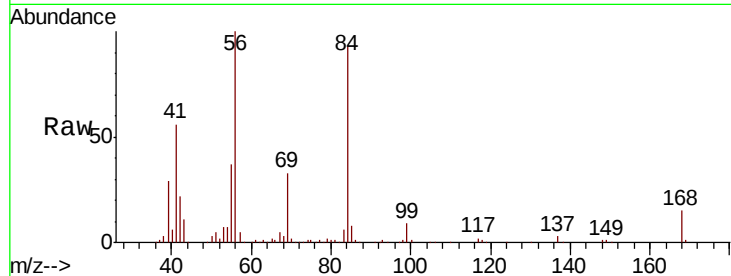




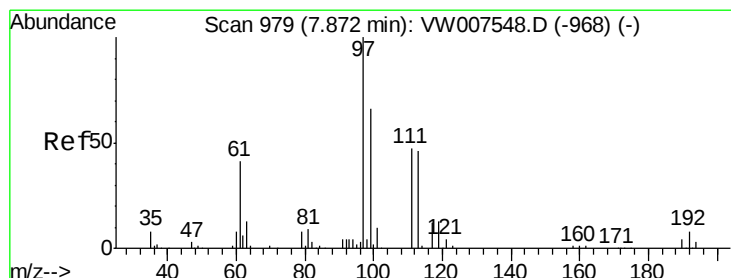
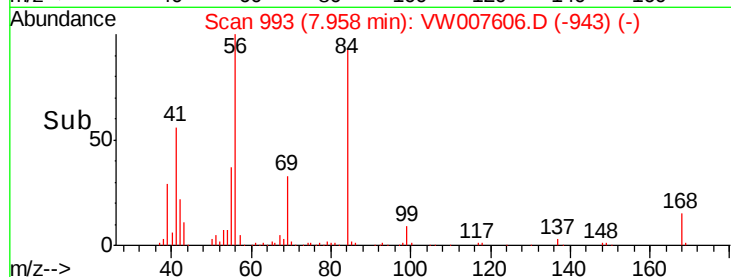
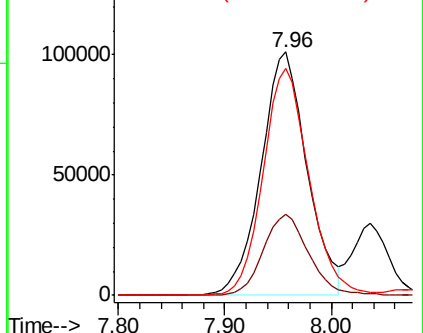
#31
Cyclohexane
Concen: 449.312 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 304623
Ion Ratio Lower Upper
56 100
69 33.2 28.9 43.3
84 92.9 71.8 107.6

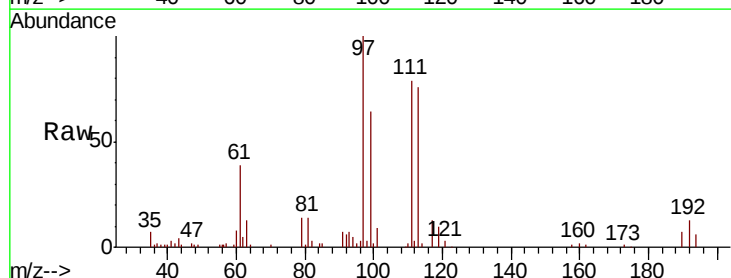


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

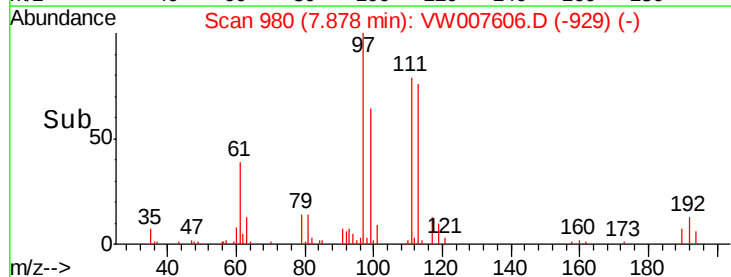
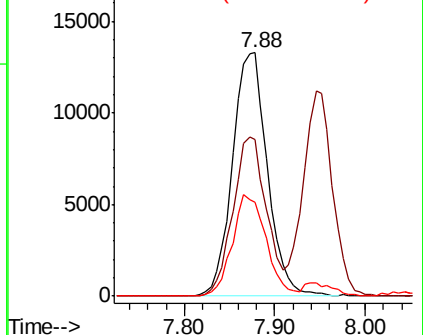


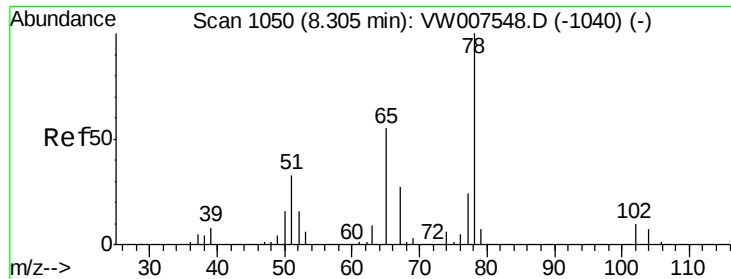
#32
1,1,1-Trichloroethane
Concen: 50.317 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion: 97 Resp: 35483
Ion Ratio Lower Upper
97 100
99 62.8 51.1 76.7
61 40.4 33.2 49.8



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

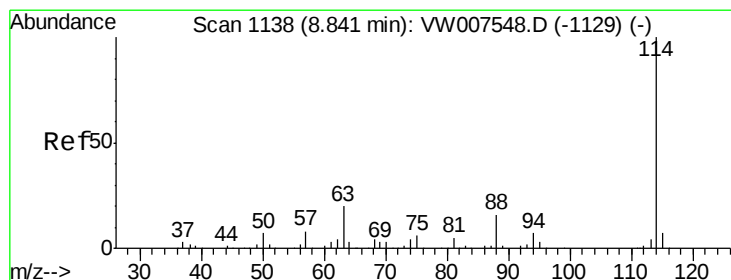
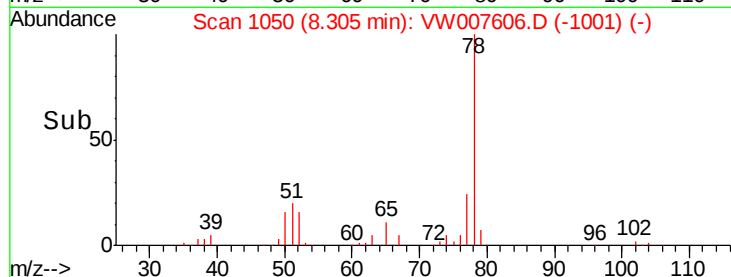
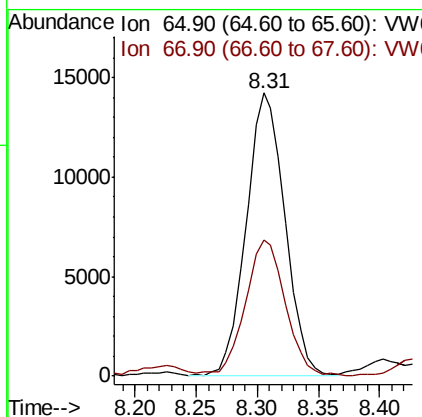
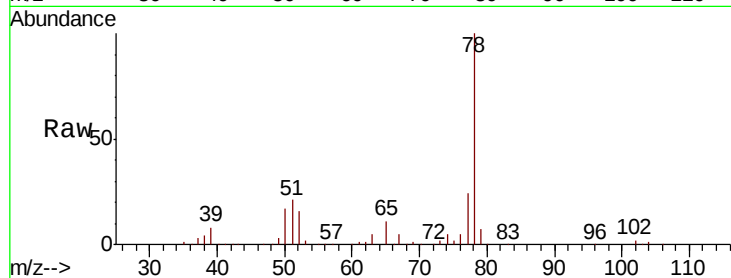




#33
 1,2-Dichloroethane-d4
 Concen: 70.807 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

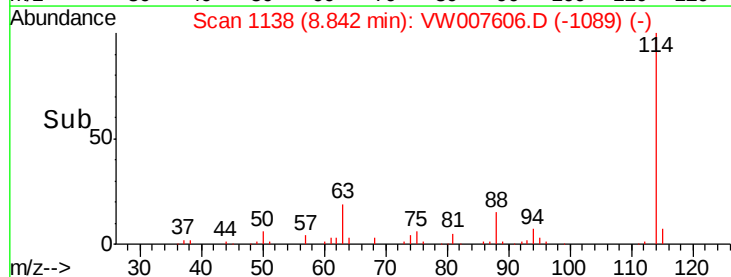
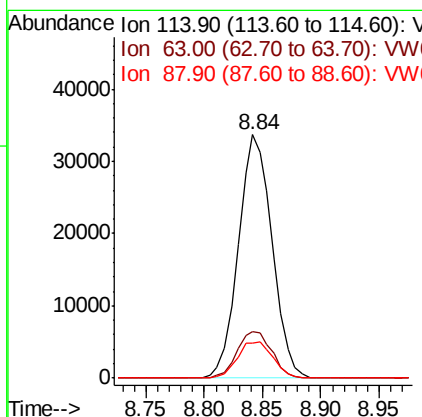
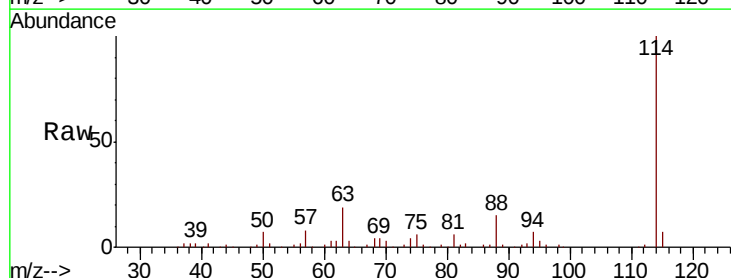
Instrument :
 MSVOA_W
 ClientSampleId :

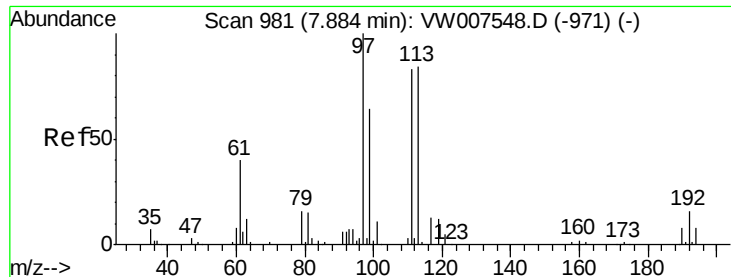
Tot Ion: 65 Resp: 30902
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 114 Resp: 67897
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 14.6 0.0 31.4

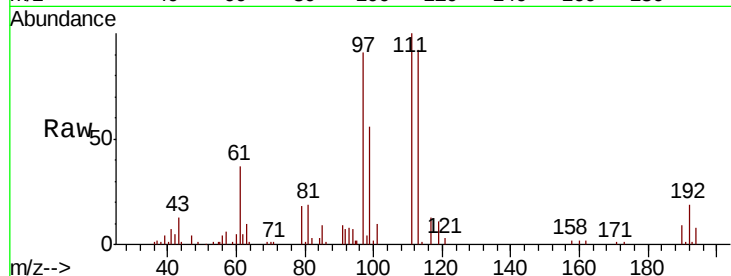




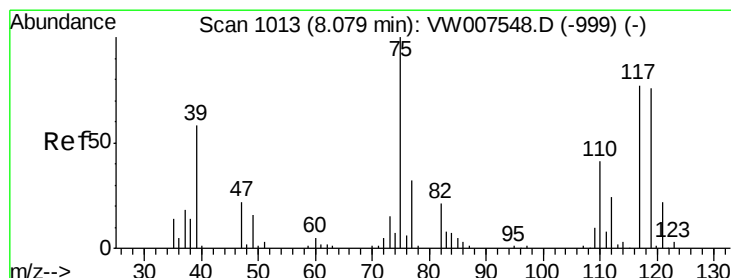
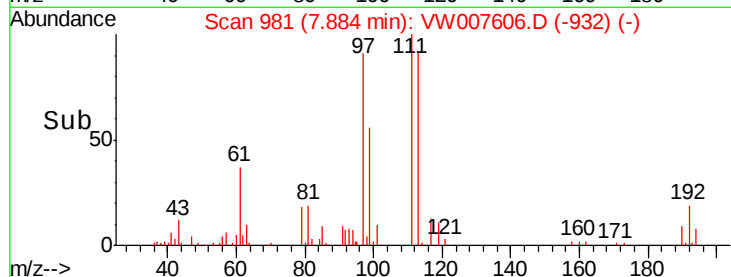
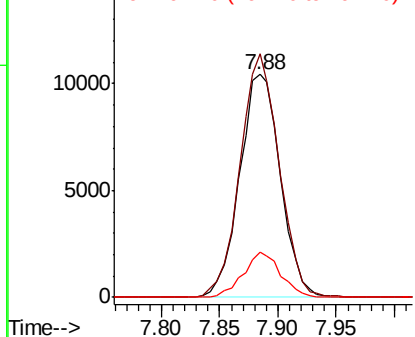
#35
 Dibromofluoromethane
 Concen: 61.478 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 25268
 Ion Ratio Lower Upper
 113 100
 111 105.1 81.1 121.7
 192 18.6 14.6 21.8

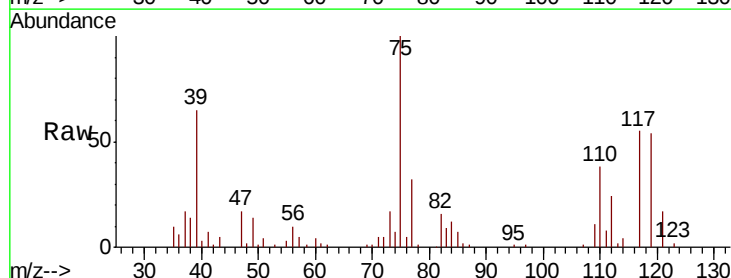


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

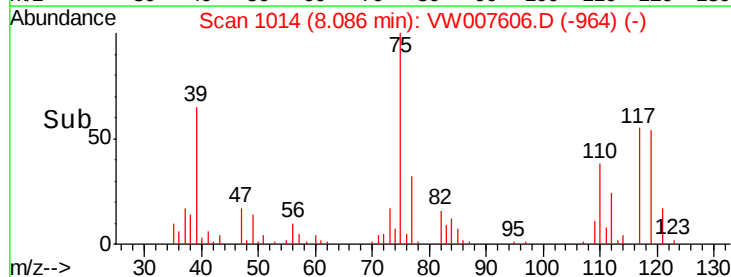
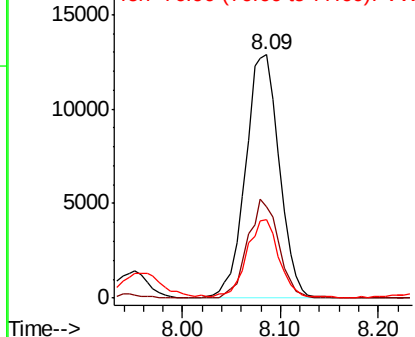


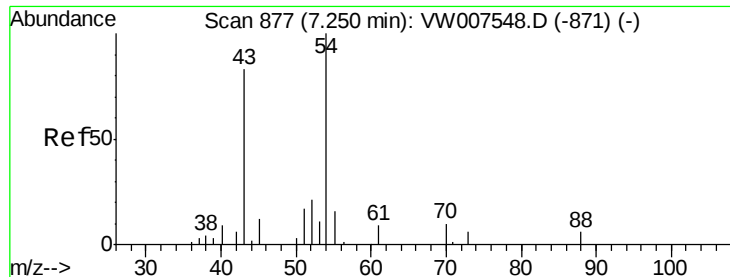
#36
 1,1-Dichloropropene
 Concen: 49.789 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 75 Resp: 30838
 Ion Ratio Lower Upper
 75 100
 110 37.2 18.5 55.5
 77 31.4 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

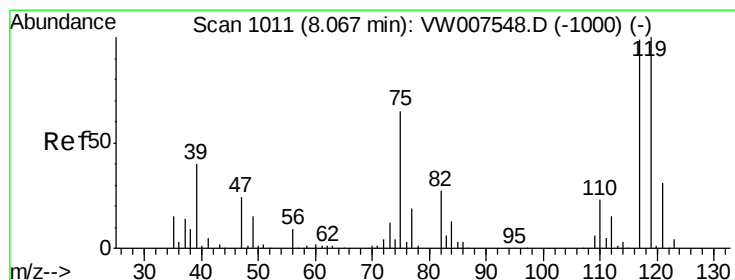
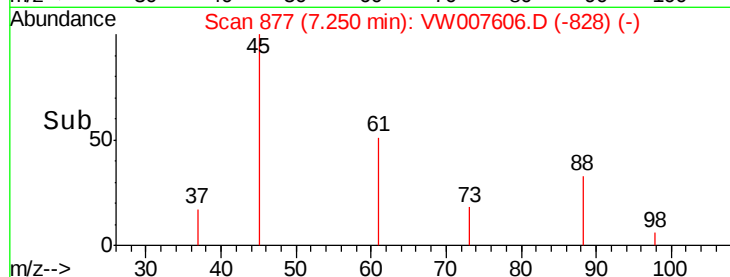
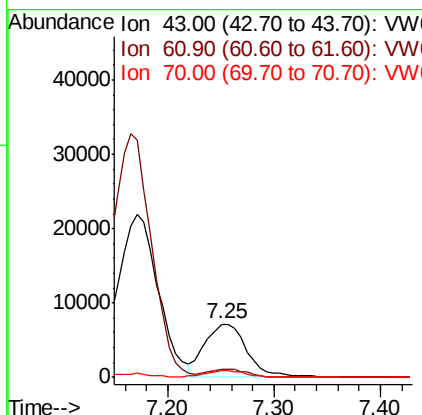
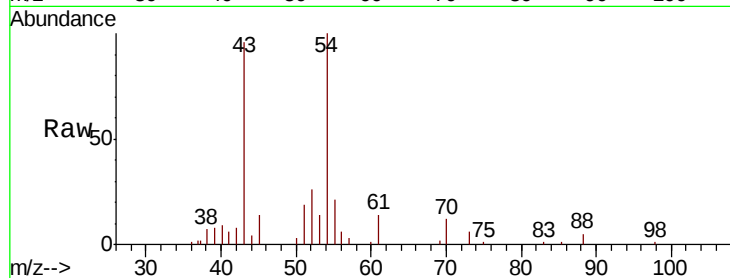




#37
Ethyl Acetate
Concen: 86.318 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

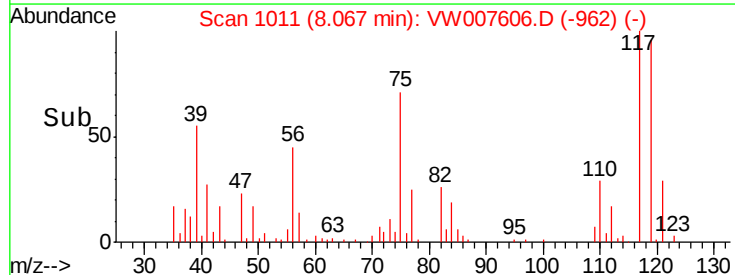
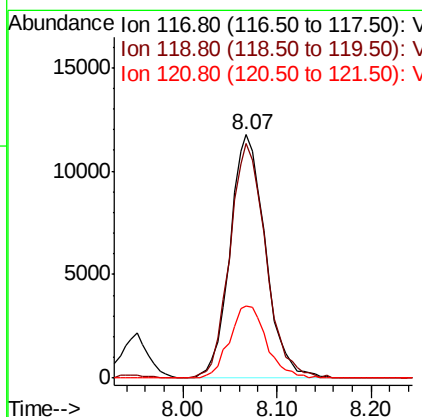
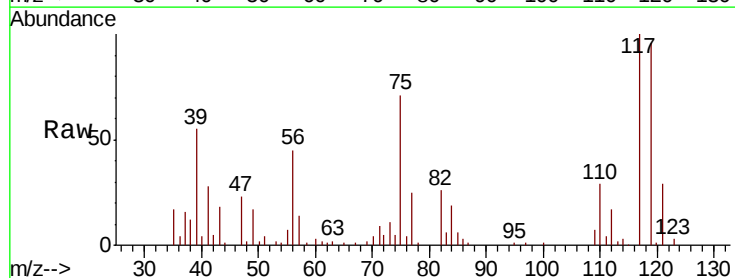
Instrument :
MSVOA_W
ClientSampled :

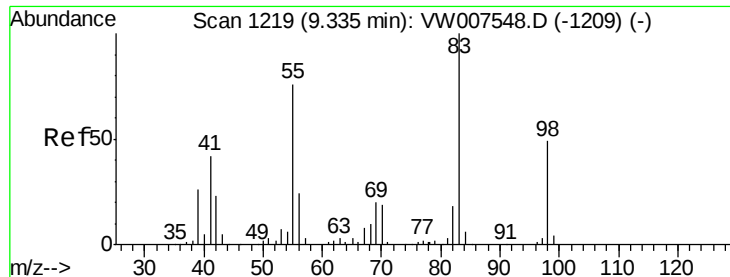
Tot Ion: 43 Resp: 19885
Ion Ratio Lower Upper
43 100
61 14.0 12.1 18.1
70 12.2 10.0 15.0



#38
Carbon Tetrachloride
Concen: 45.598 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion: 117 Resp: 30730
Ion Ratio Lower Upper
117 100
119 96.5 74.3 111.5
121 29.4 24.3 36.5

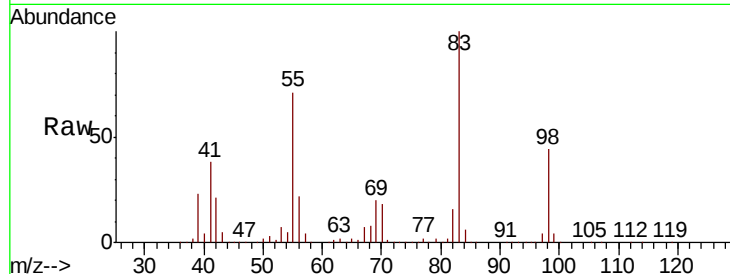




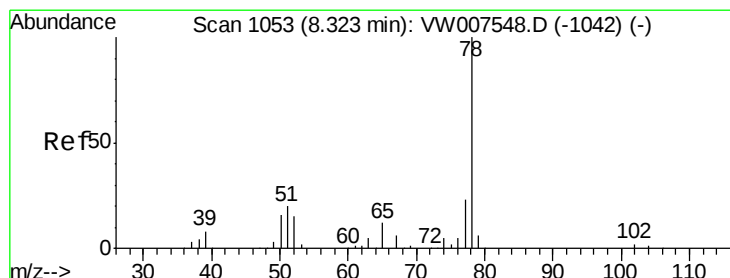
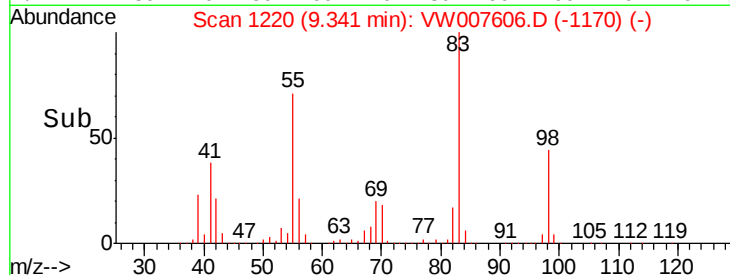
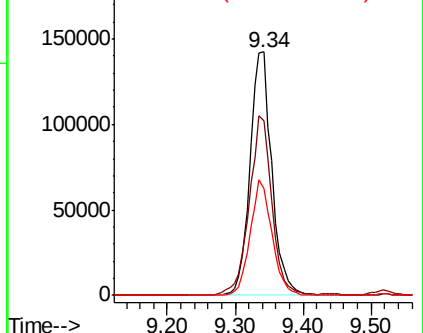
#39
Methvlcvclohexane
Concen: 423.768 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 317828
Ion Ratio Lower Upper
83 100
55 71.3 62.8 94.2
98 43.9 42.2 63.2

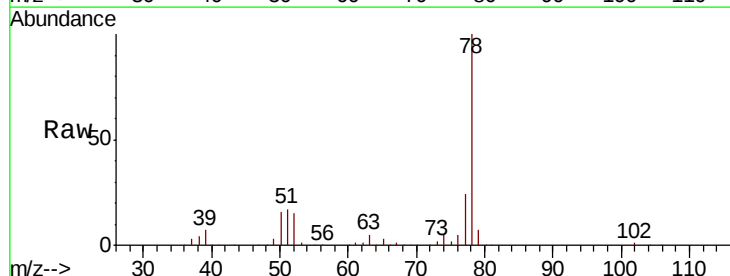


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

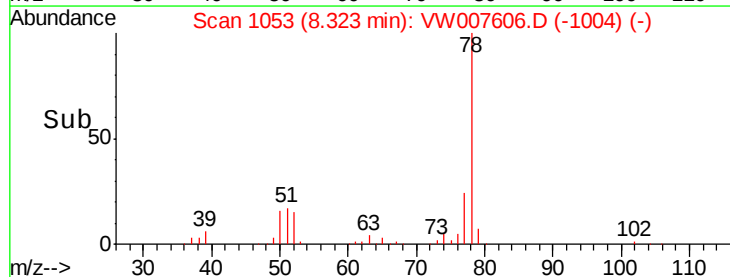
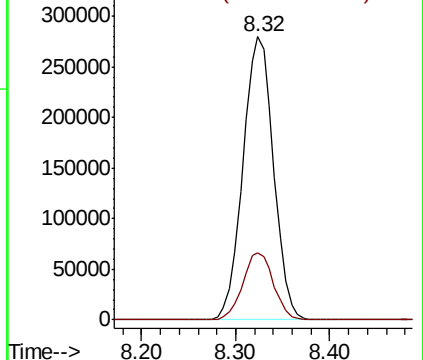


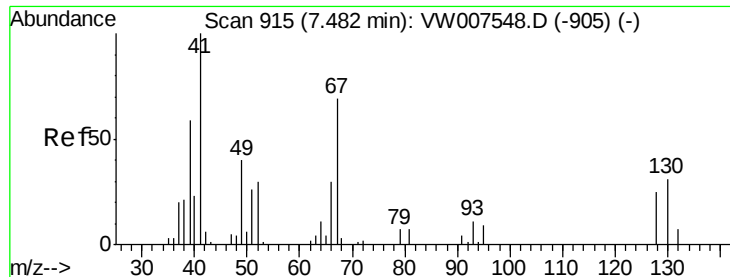
#40
Benzene
Concen: 369.726 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion: 78 Resp: 635518
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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

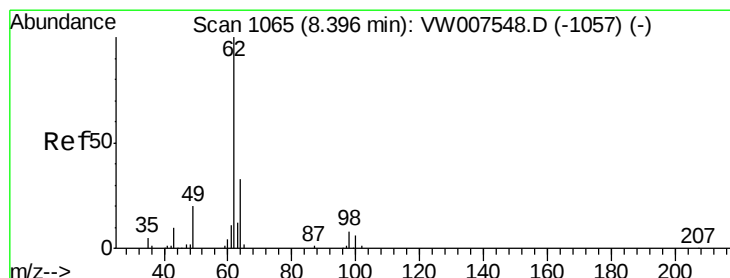
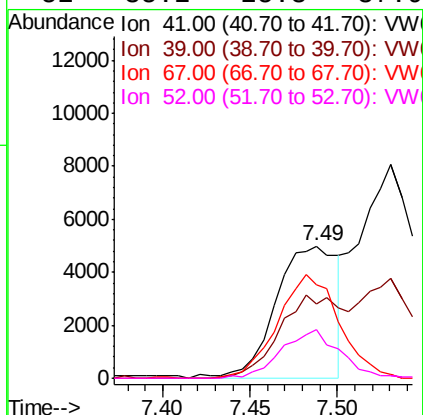
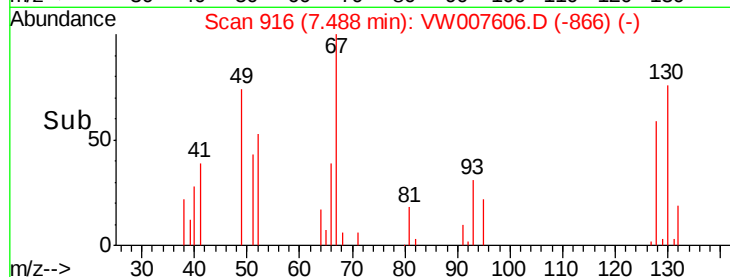
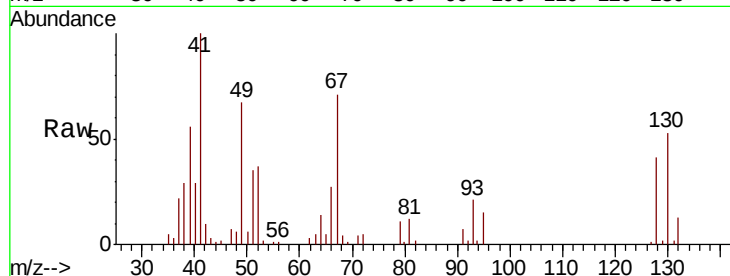




#41
Methacrylonitrile
Concen: 93.547 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

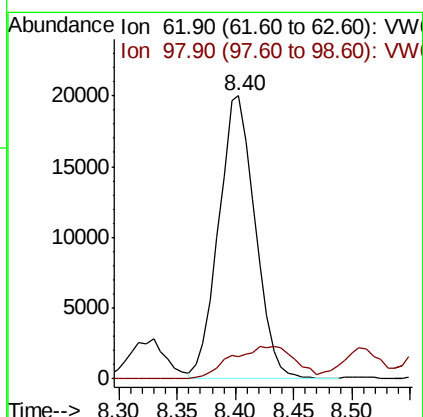
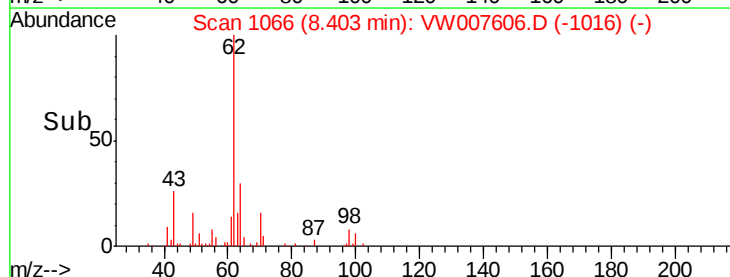
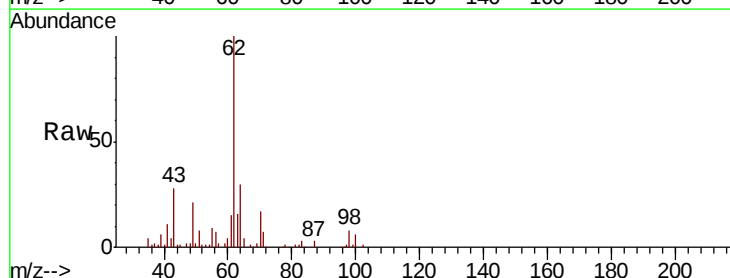
Instrument :
MSVOA_W
ClientSampled :

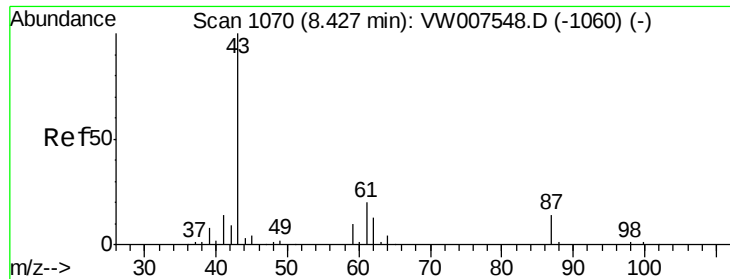
Tot Ion:	41	Resp:	12272
Ion	Ratio	Lower	Upper
41	100		
39	65.6	52.2	78.2
67	78.5	60.5	90.7
52	35.2	25.3	37.9



#42
1,2-Dichloroethane
Concen: 80.614 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion:	62	Resp:	43528
Ion	Ratio	Lower	Upper
62	100		
98	20.1	0.0	17.6#





#43

Isopropyl Acetate

Concen: 111.794 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

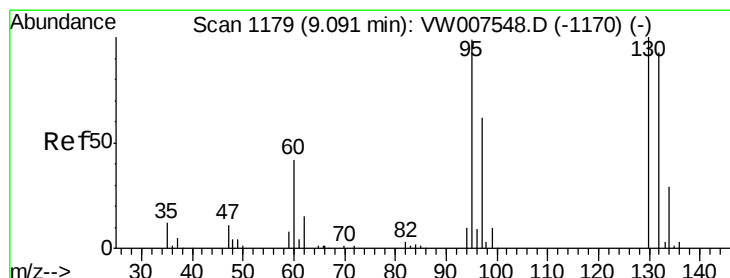
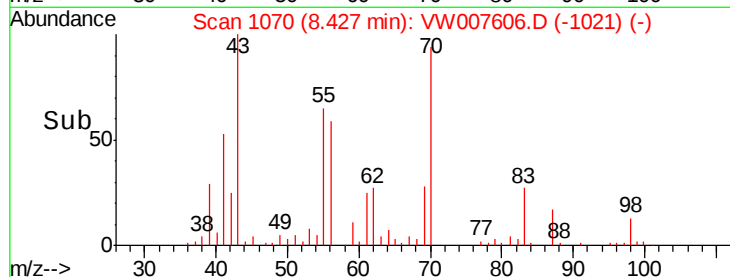
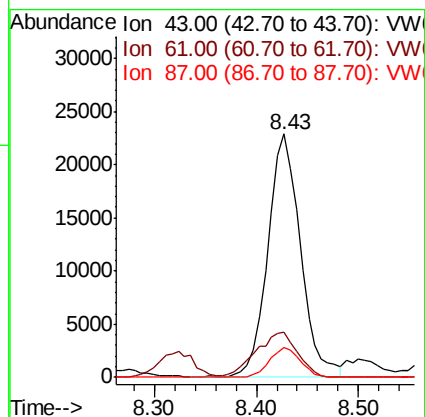
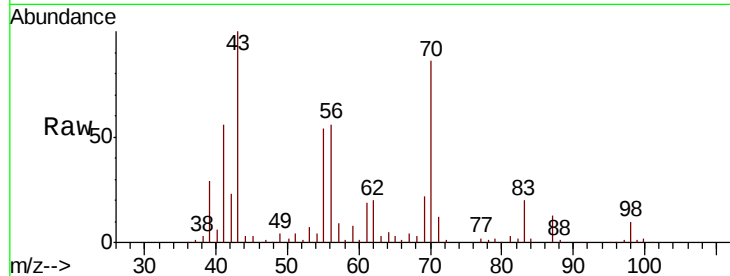
Tot Ion: 43 Resp: 50872

Ion Ratio Lower Upper

43 100

61 23.7 25.3 37.9#

87 11.6 11.8 17.8#



#44

Trichloroethene

Concen: 48.411 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007606.D

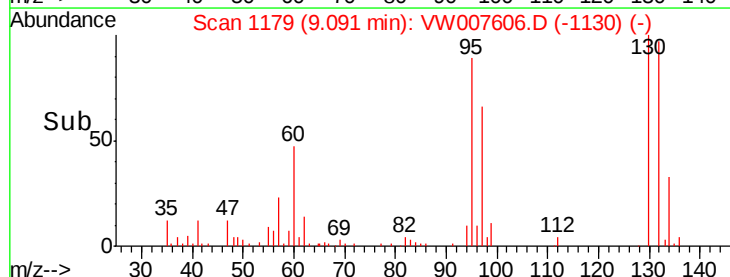
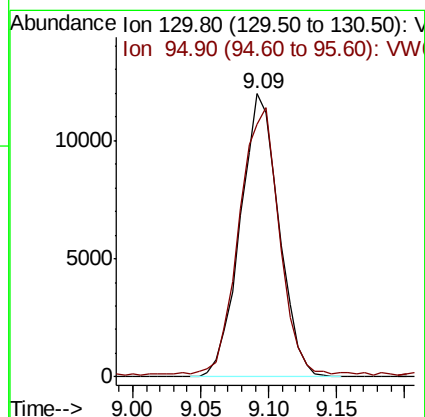
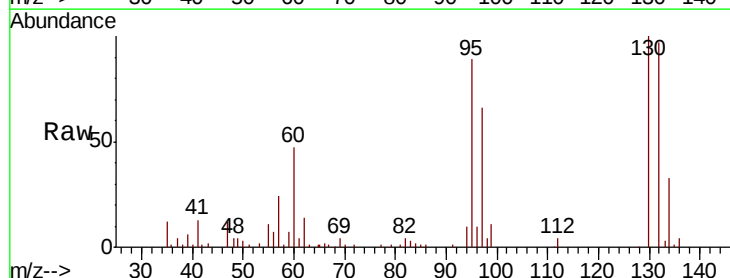
Acq: 16 Dec 2018 03:23

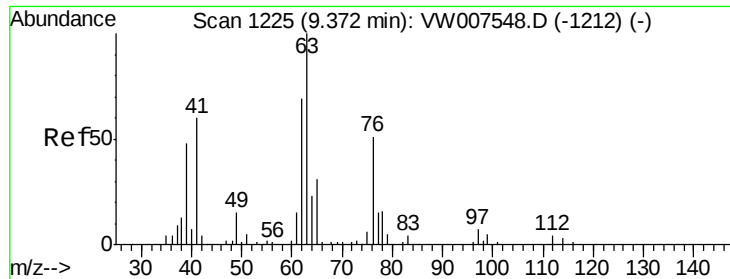
Tgt Ion:130 Resp: 23762

Ion Ratio Lower Upper

130 100

95 88.1 0.0 193.2

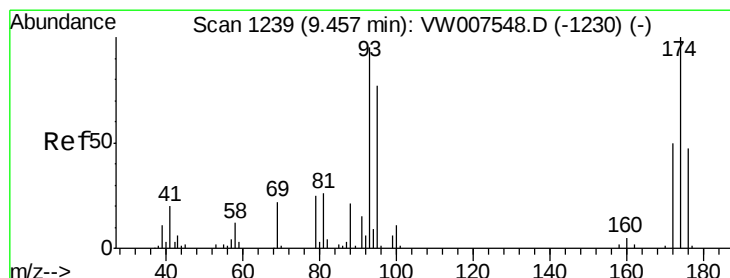
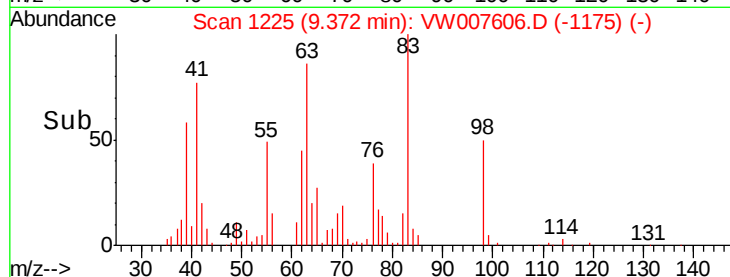
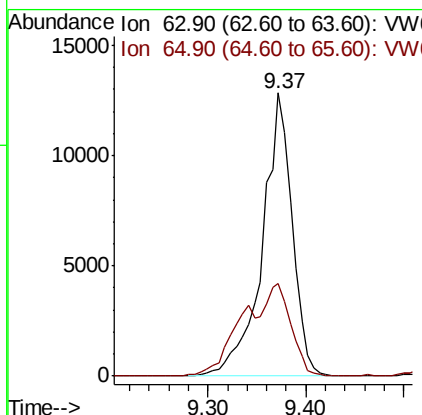
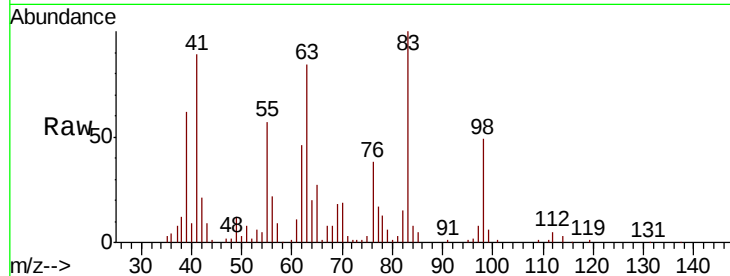




#45
 1,2-Dichloropropane
 Concen: 68.291 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

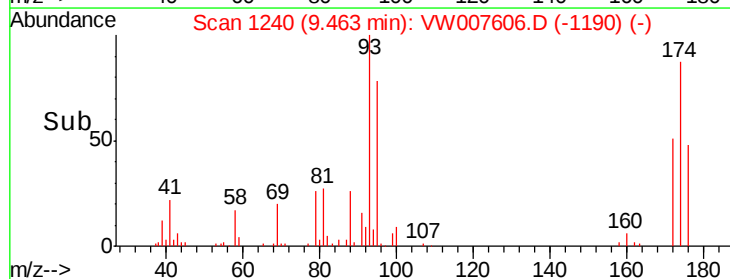
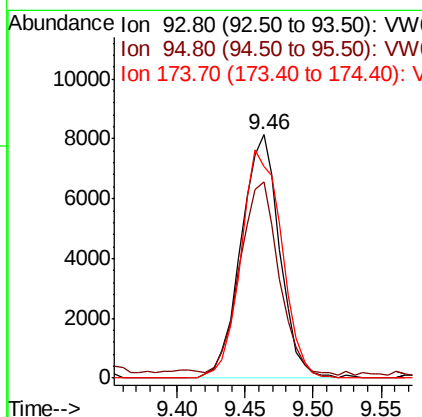
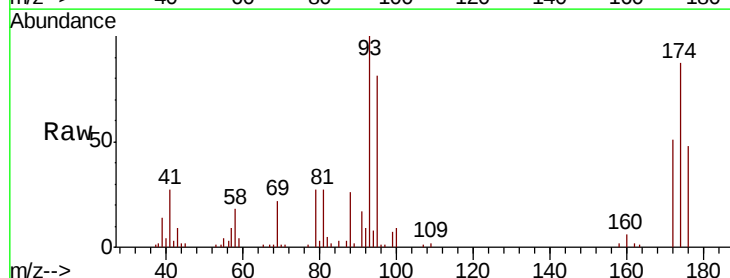
Instrument :
 MSVOA_W
 ClientSampled :

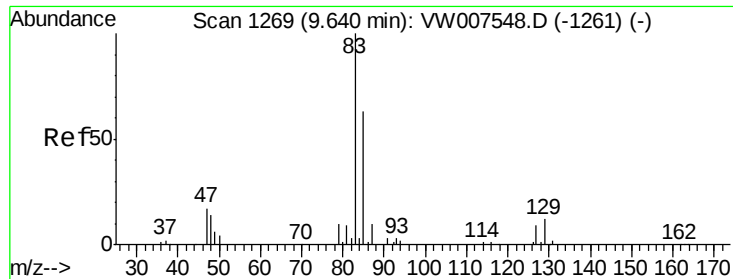
Tot Ion: 63 Resp: 27164
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.4 36.6



#46
 Dibromomethane
 Concen: 71.336 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 93 Resp: 16114
 Ion Ratio Lower Upper
 93 100
 95 80.6 68.0 102.0
 174 99.6 83.2 124.8





#47

Bromodichloromethane

Concen: 58.554 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

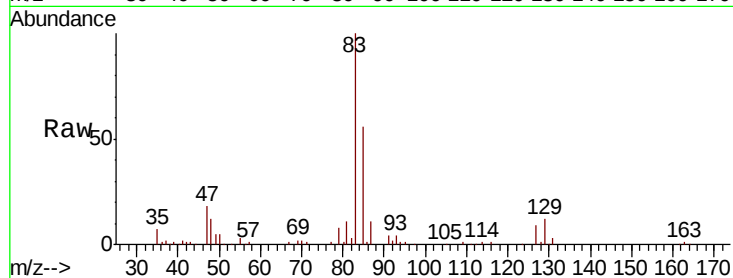
Tot Ion: 83 Resp: 34694

Ion Ratio Lower Upper

83 100

85 56.2 47.6 71.4

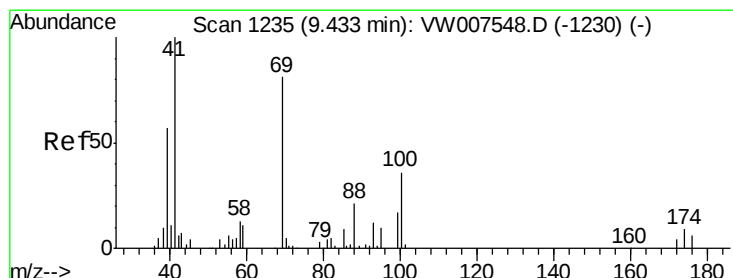
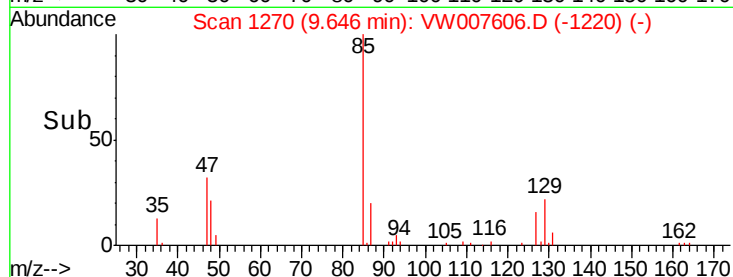
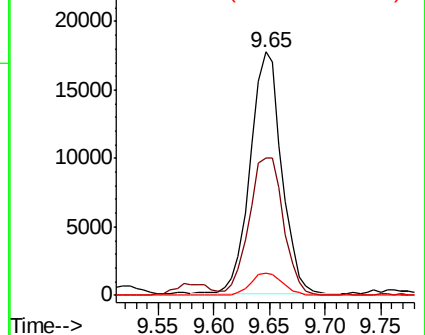
127 9.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 86.417 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

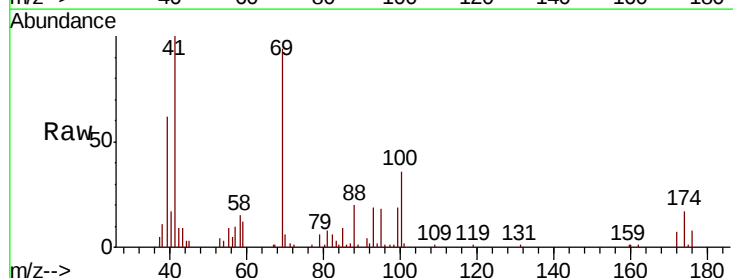
Tgt Ion: 41 Resp: 20196

Ion Ratio Lower Upper

41 100

69 89.0 69.8 104.8

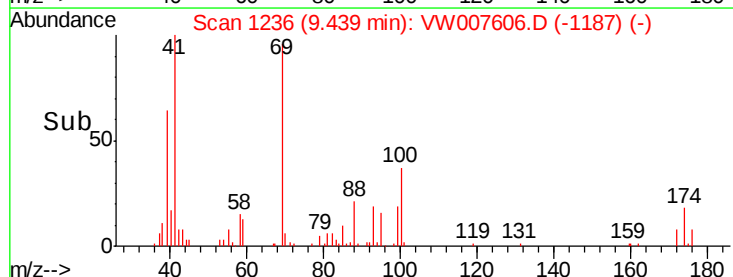
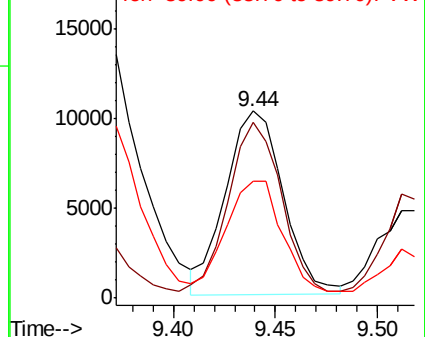
39 63.7 50.9 76.3

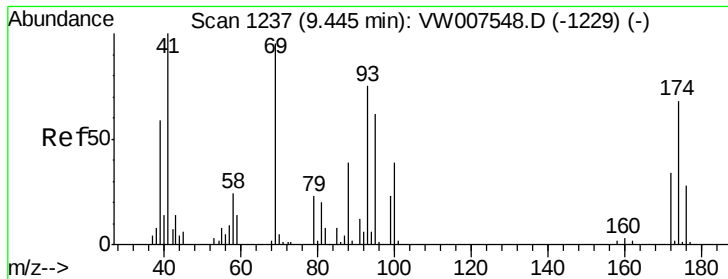


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1830.192 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :
MSVOA_W
ClientSampleId :

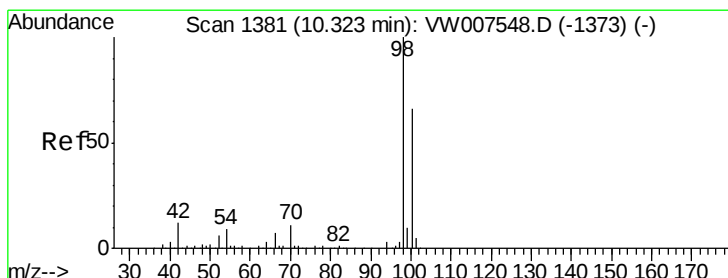
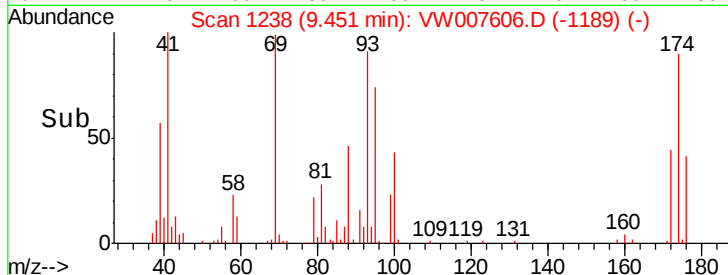
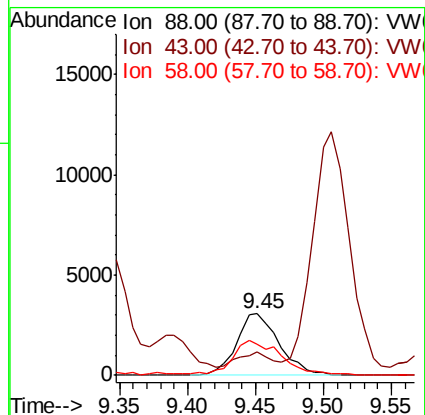
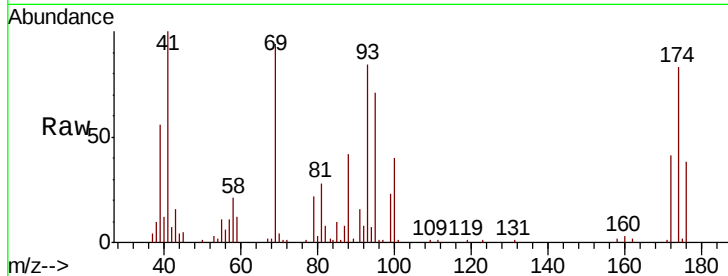
Tot Ion: 88 Resp: 6708

Ion Ratio Lower Upper

88 100

43 33.4 25.0 37.4

58 65.5 51.4 77.2



#50

Toluene-d8

Concen: 42.138 ug/l

RT: 10.34 min Scan# 1384

Delta R.T. 0.02 min

Lab File: VW007606.D

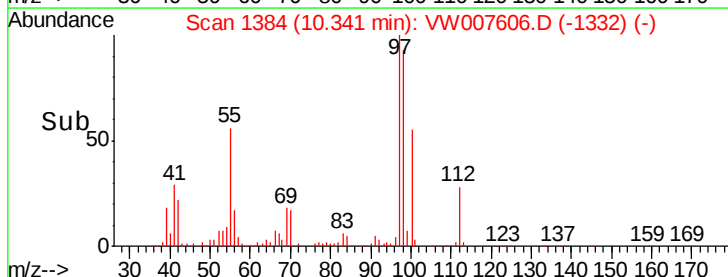
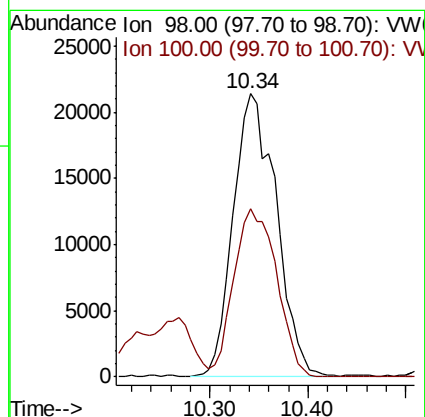
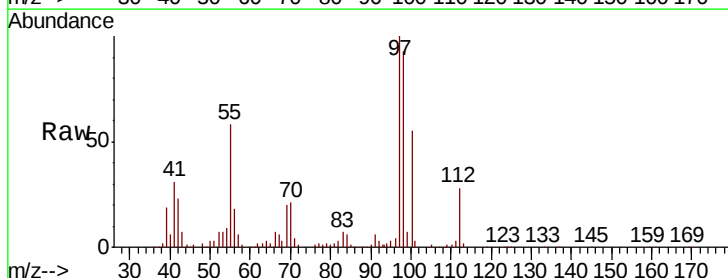
Acq: 16 Dec 2018 03:23

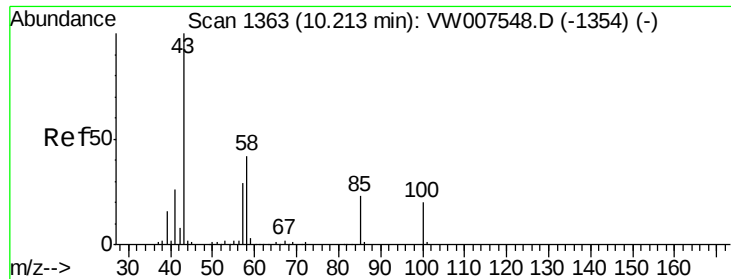
Tgt Ion: 98 Resp: 64937

Ion Ratio Lower Upper

98 100

100 59.6 51.8 77.8

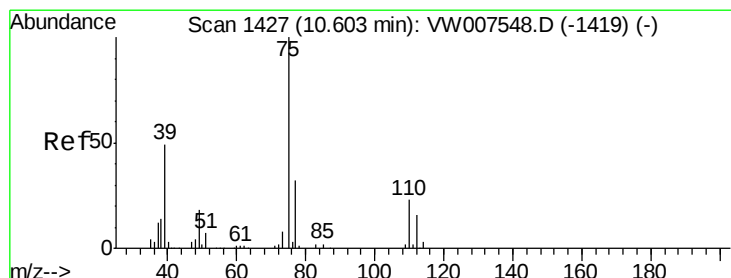
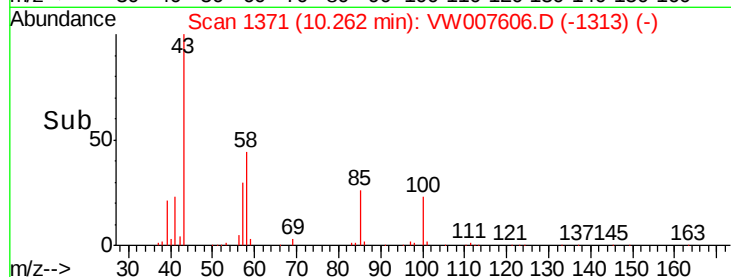
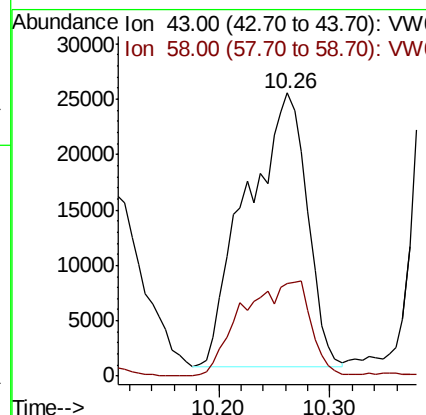
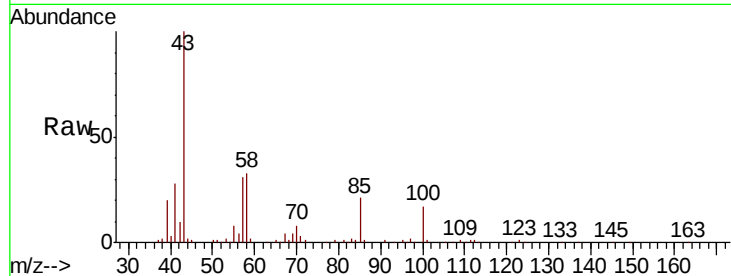




#51
4-Methyl-2-Pentanone
Concen: 433.736 ug/l
RT: 10.26 min Scan# 1371
Delta R.T. 0.05 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

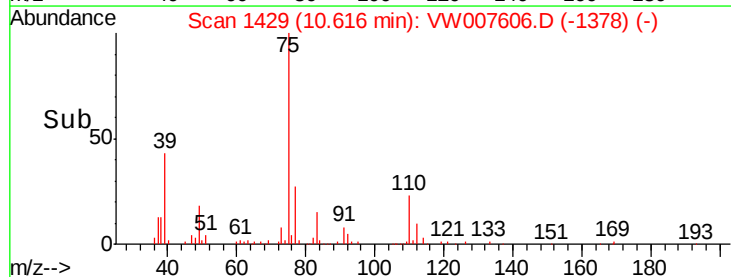
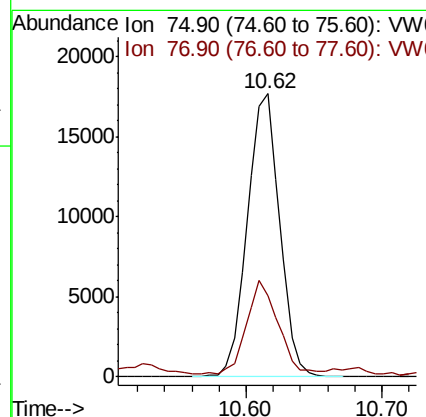
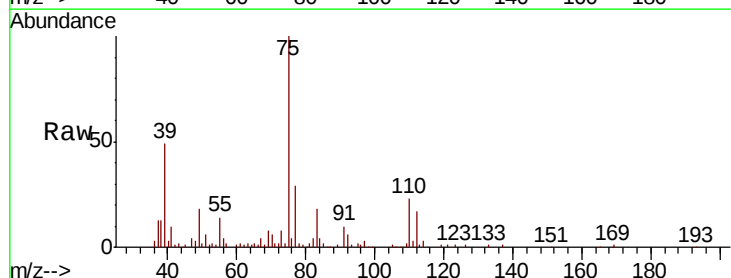
Instrument :
MSVOA_W
ClientSampled :

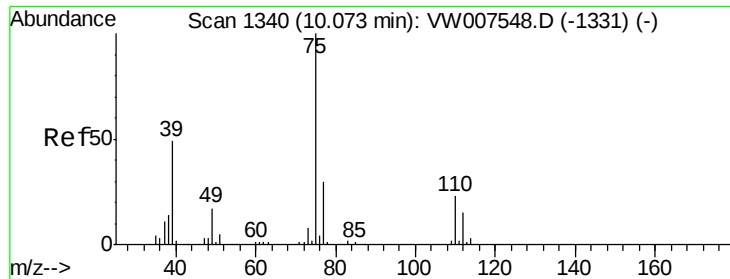
Tot Ion: 43 Resp: 93258
Ion Ratio Lower Upper
43 100
58 39.2 33.1 49.7



#53
t-1,3-Dichloropropene
Concen: 51.043 ug/l
RT: 10.62 min Scan# 1429
Delta R.T. 0.01 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion: 75 Resp: 29361
Ion Ratio Lower Upper
75 100
77 27.7 26.2 39.4





#54

cis-1,3-Dichloropropene

Concen: 53.863 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

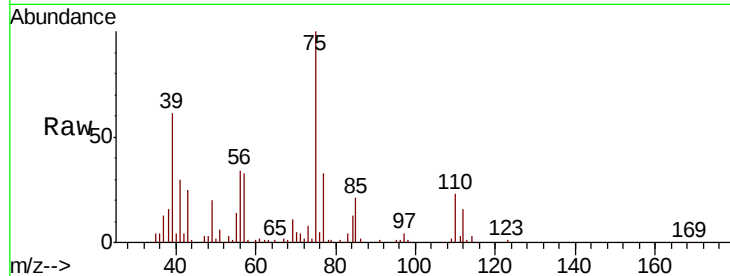
Tot Ion: 75 Resp: 35817

Ion Ratio Lower Upper

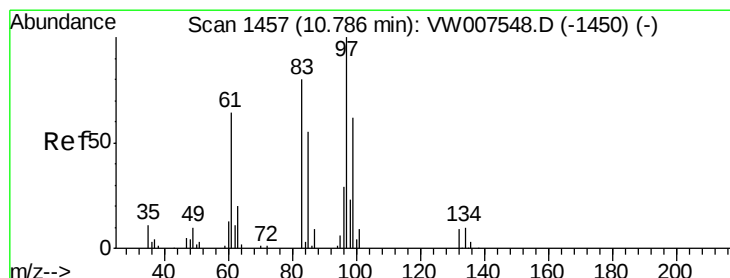
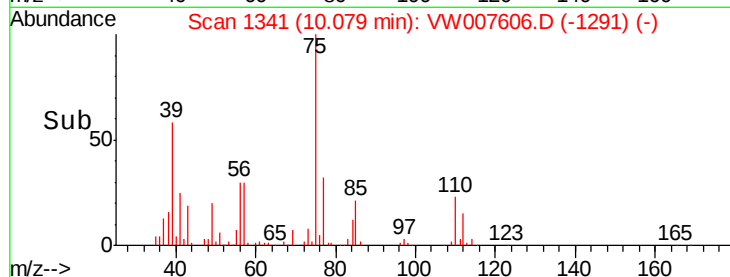
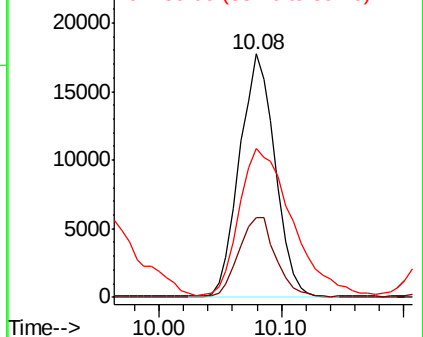
75 100

77 32.4 24.8 37.2

39 59.5 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 76.90 (76.60 to 77.60): VW
Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 124.697 ug/l

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Tgt Ion: 97 Resp: 38336

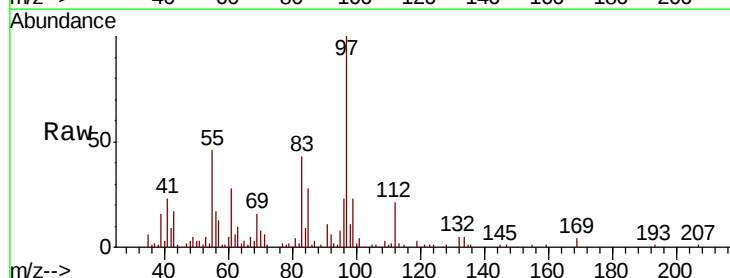
Ion Ratio Lower Upper

97 100

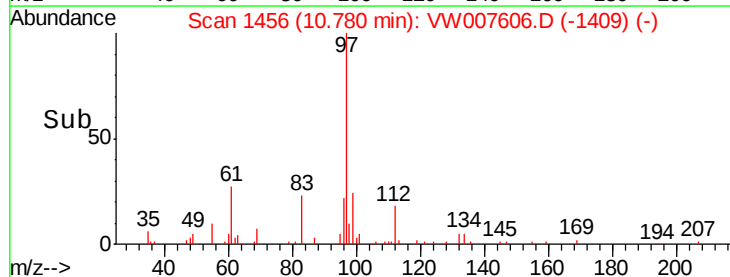
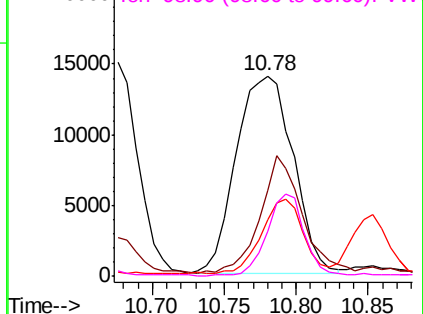
83 41.6 62.1 93.1#

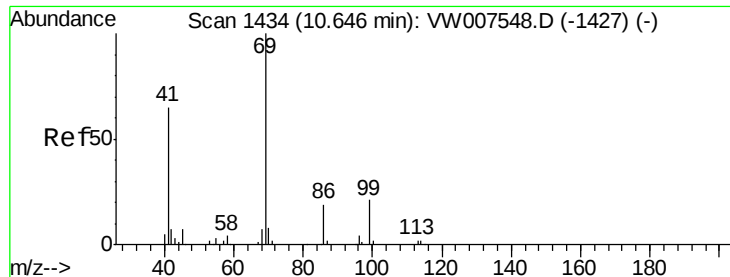
85 27.3 44.2 66.4#

99 22.5 50.2 75.4#



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





#56

Ethyl methacrylate

Concen: 93.477 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampled :

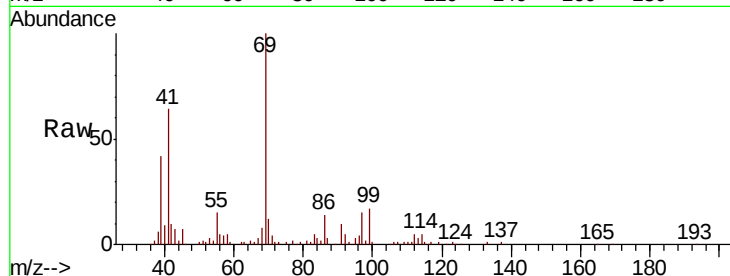
Tot Ion: 69 Resp: 34542

Ion Ratio Lower Upper

69 100

41 84.7 51.0 76.6#

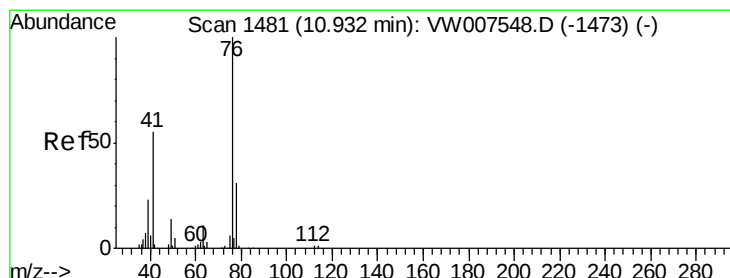
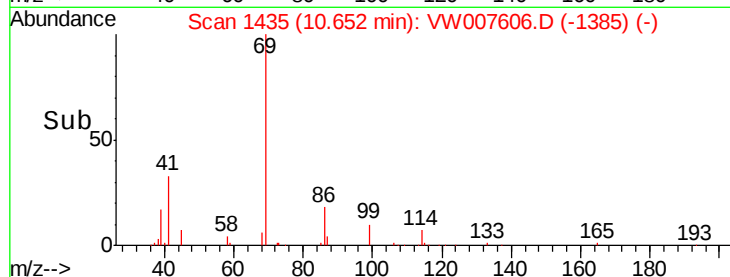
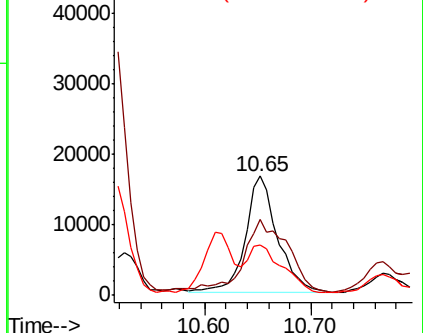
39 0.0 30.8 46.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



#57

1,3-Dichloropropane

Concen: 56.781 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.01 min

Lab File: VW007606.D

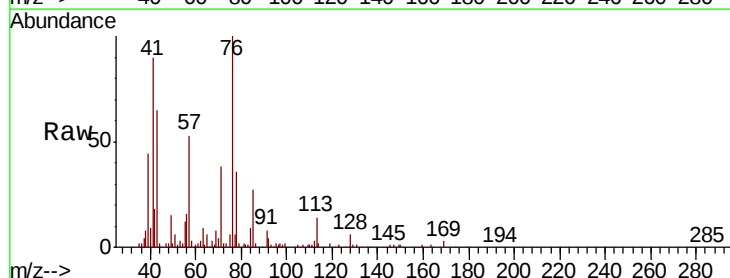
Acq: 16 Dec 2018 03:23

Tgt Ion: 76 Resp: 28652

Ion Ratio Lower Upper

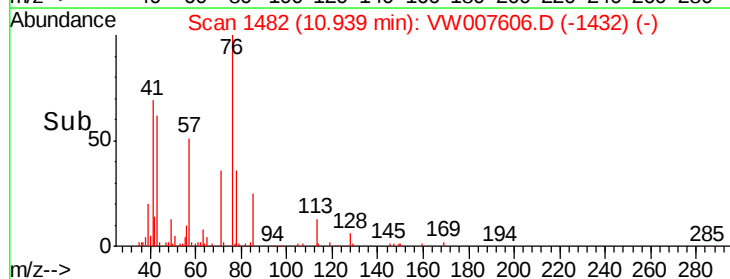
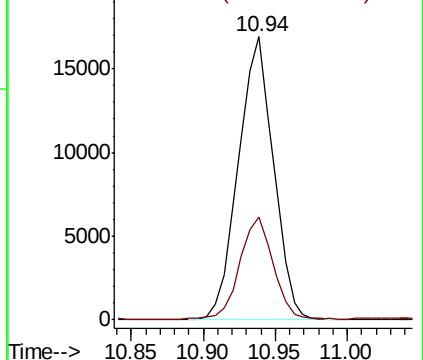
76 100

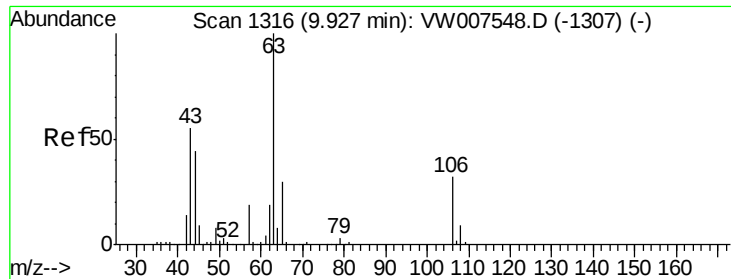
78 35.0 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

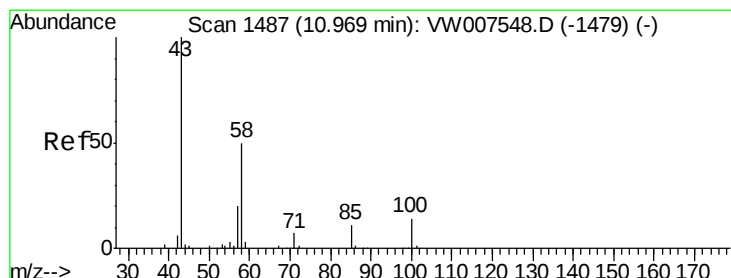
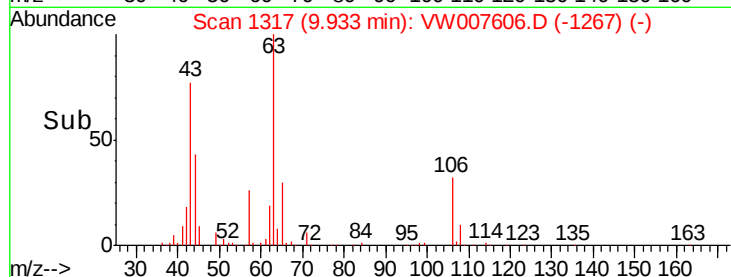
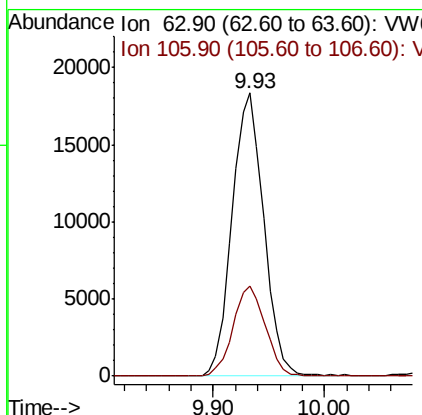
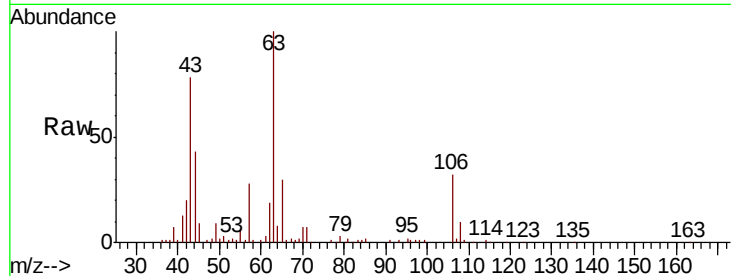




#58
 2-Chloroethyl Vinyl ether
 Concen: 212.141 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

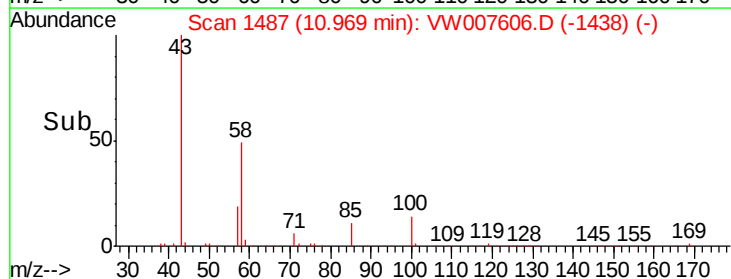
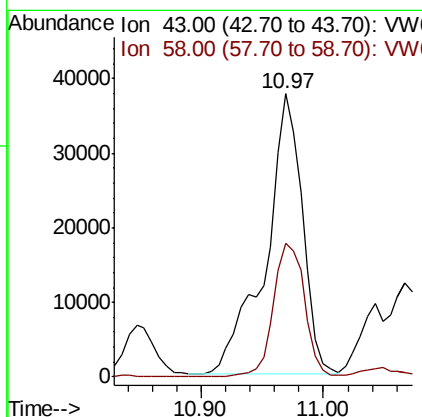
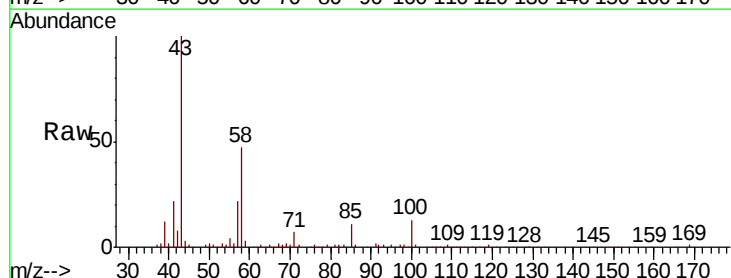
Instrument :
 MSVOA_W
 ClientSampleId :

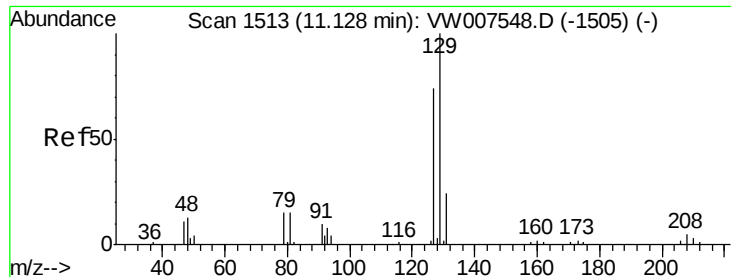
Tot Ion: 63 Resp: 36150
 Ion Ratio Lower Upper
 63 100
 106 32.3 25.0 37.6



#59
 2-Hexanone
 Concen: 545.444 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 43 Resp: 78200
 Ion Ratio Lower Upper
 43 100
 58 40.9 27.1 81.3





#60

Dibromochloromethane

Concen: 46.858 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

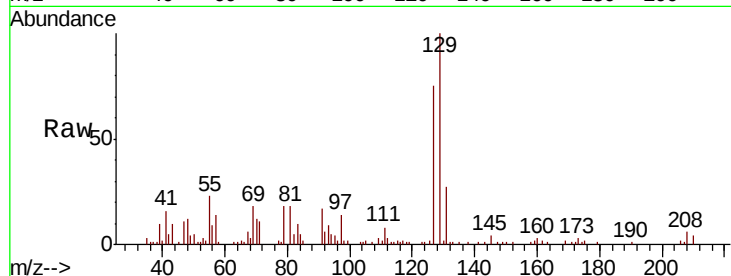
ClientSampleId :

Tot Ion:129 Resp: 18180

Ion Ratio Lower Upper

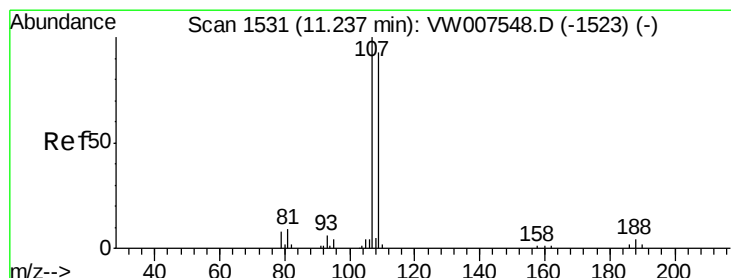
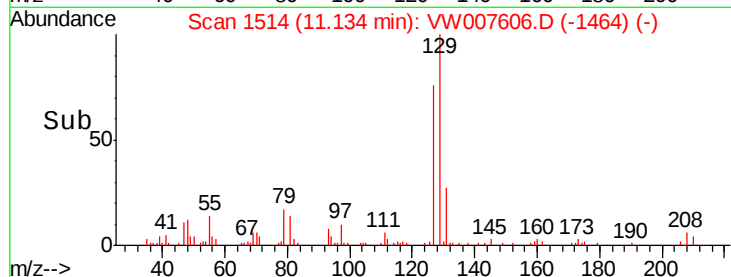
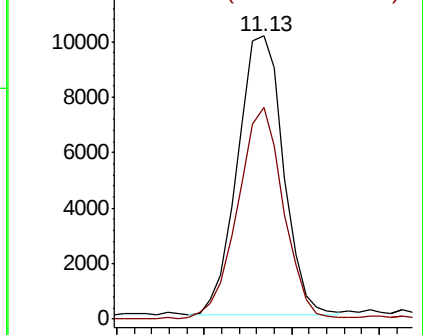
129 100

127 76.5 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 56.024 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007606.D

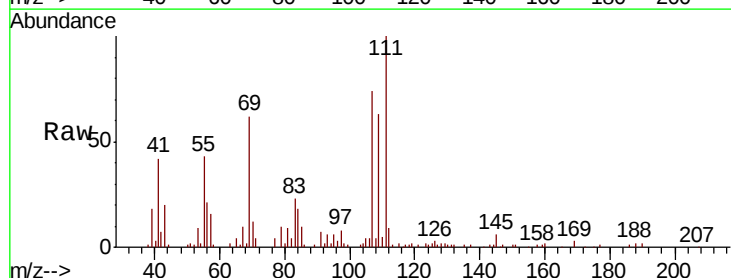
Acq: 16 Dec 2018 03:23

Tgt Ion:107 Resp: 17021

Ion Ratio Lower Upper

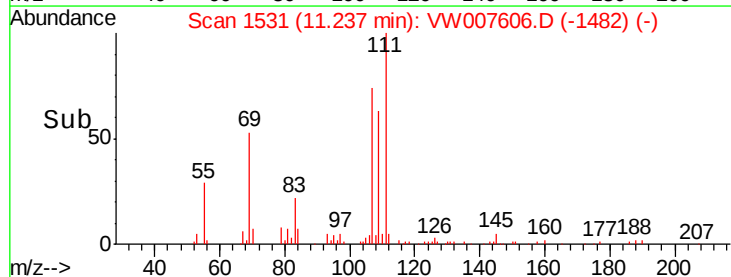
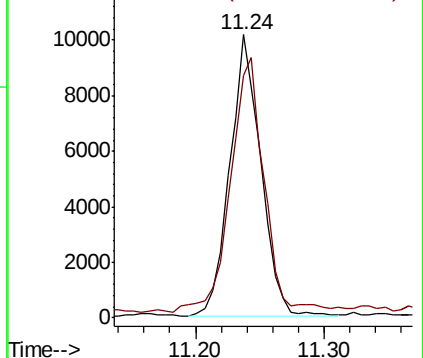
107 100

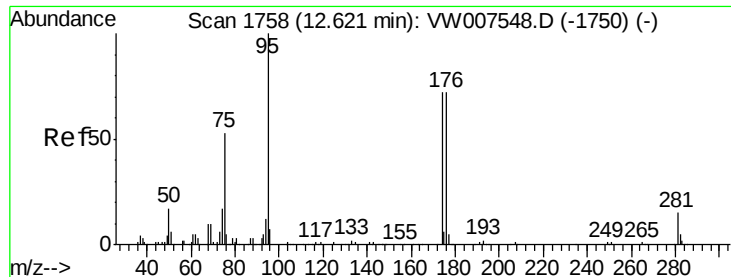
109 97.4 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

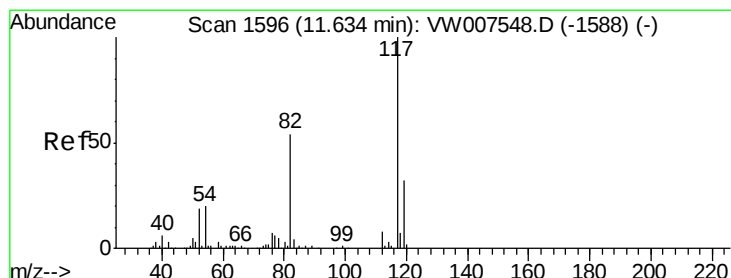
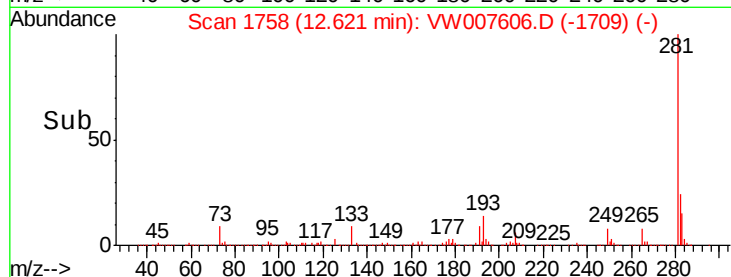
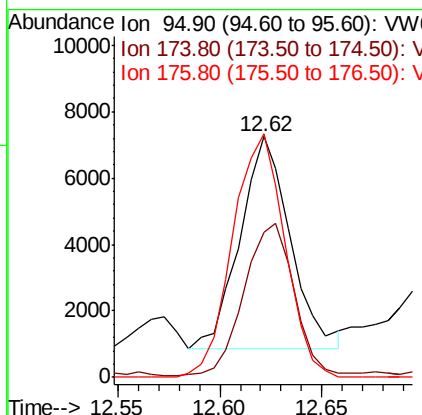
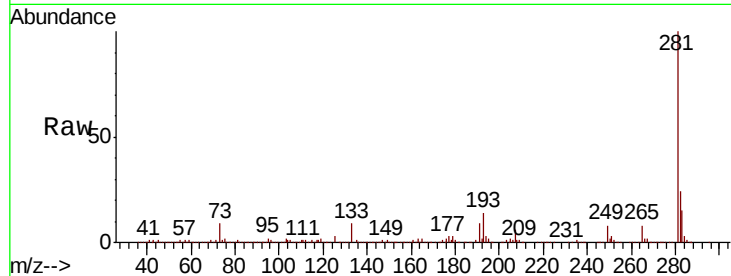




#62
4-Bromofluorobenzene
Concen: 19.274 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

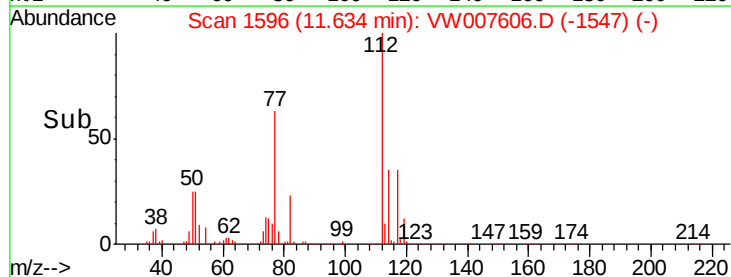
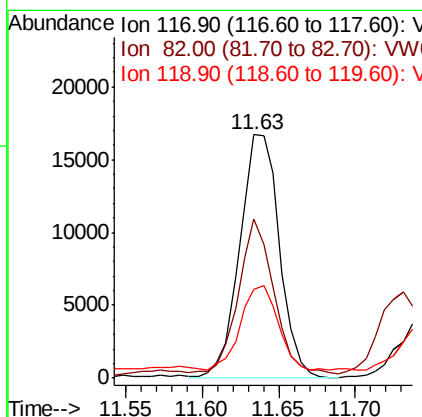
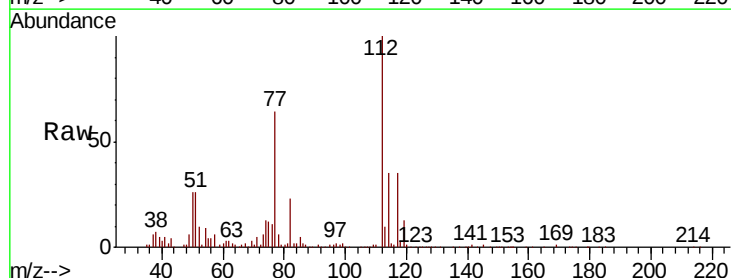
Instrument :
MSVOA_W
ClientSampleId :

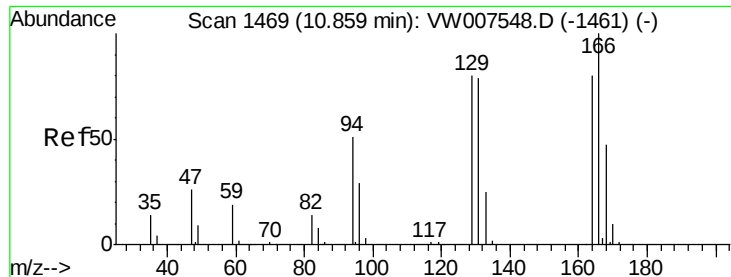
Tot Ion: 95 Resp: 10921
Ion Ratio Lower Upper
95 100
174 71.0 0.0 147.2
176 118.8 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion: 117 Resp: 30134
Ion Ratio Lower Upper
117 100
82 63.7 42.3 63.5#
119 32.6 23.0 34.6





#64

Tetrachloroethene

Concen: 45.546 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:164 Resp: 9870

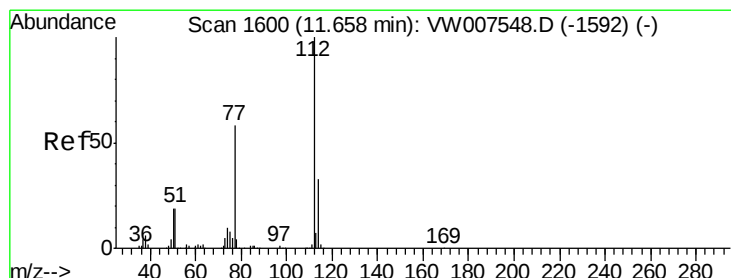
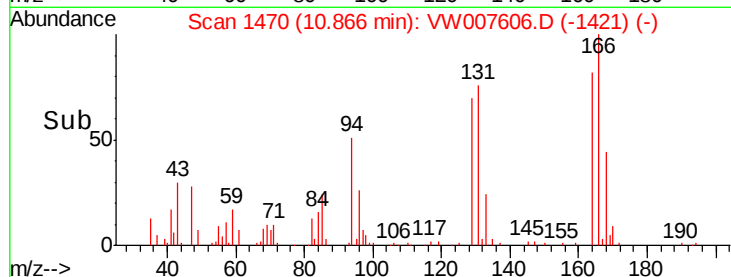
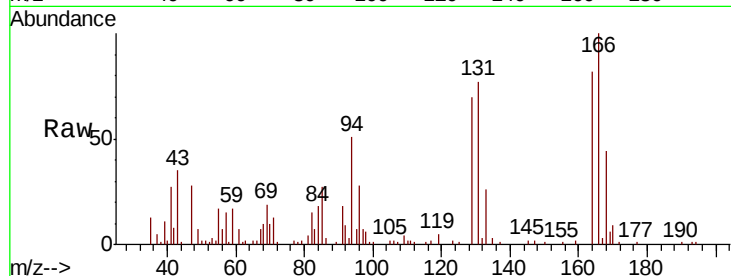
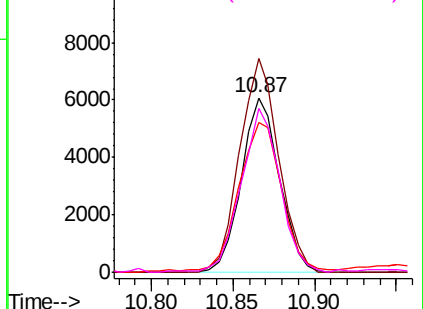
Ion	Ratio	Lower	Upper
164	100		
166	122.3	107.9	161.9
129	84.5	73.4	110.2
131	92.8	75.8	113.6

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 3279.142 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VW007606.D

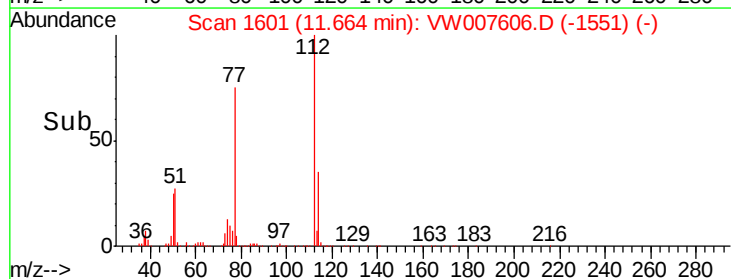
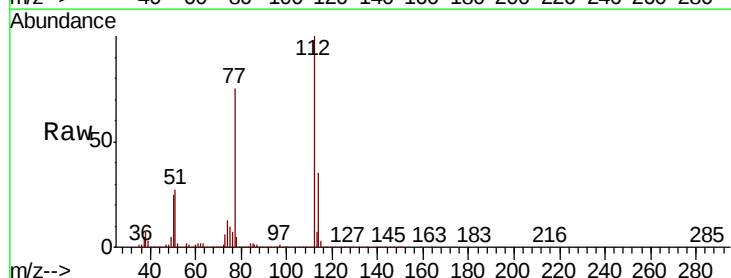
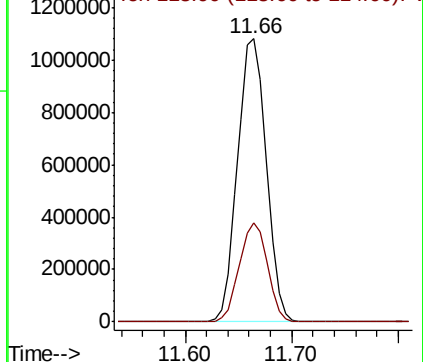
Acq: 16 Dec 2018 03:23

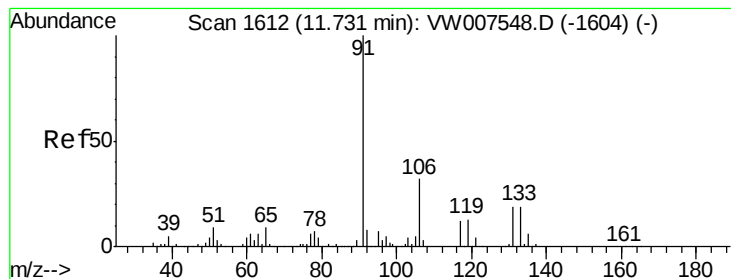
Tgt Ion:112 Resp: 2059591

Ion	Ratio	Lower	Upper
112	100		
114	34.8	27.8	41.8

Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.289 ug/l

RT: 11.74 min Scan# 1614

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

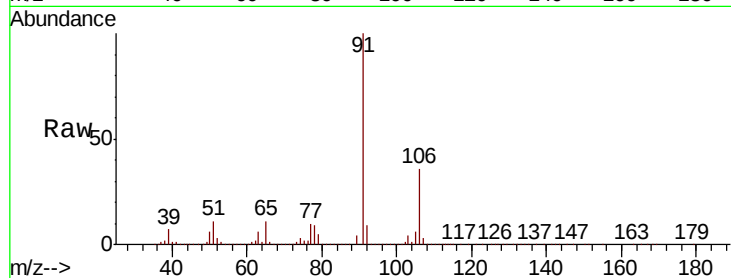
Tot Ion:131 Resp: 11567

Ion Ratio Lower Upper

131 100

133 97.5 47.1 141.4

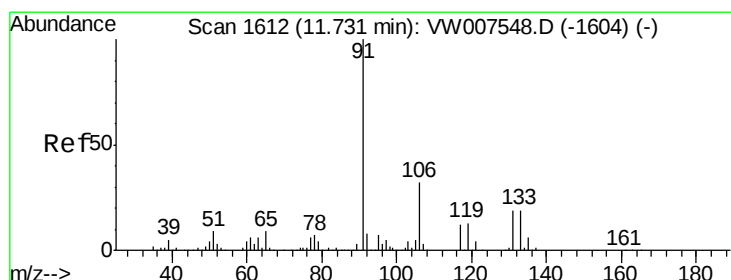
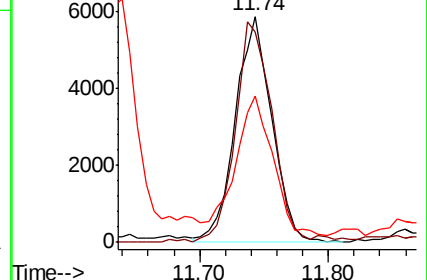
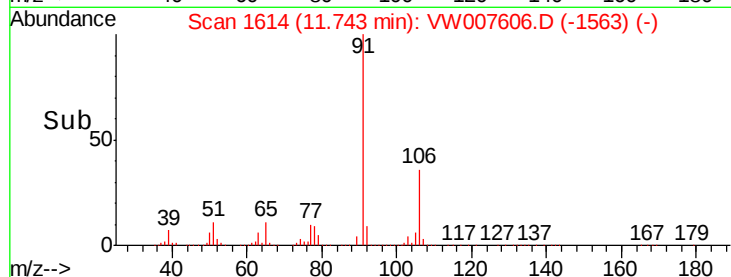
119 63.9 31.3 93.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 10925.447 ug/l

RT: 11.74 min Scan# 1614

Delta R.T. 0.01 min

Lab File: VW007606.D

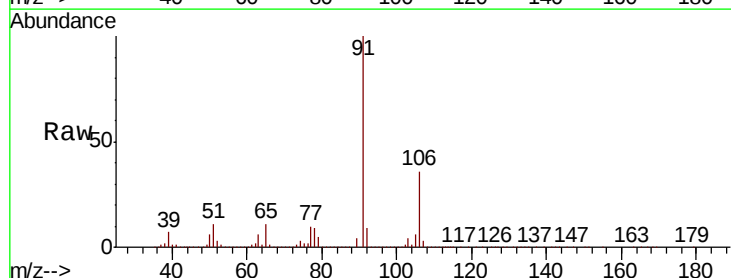
Acq: 16 Dec 2018 03:23

Tgt Ion: 91 Resp:11797936

Ion Ratio Lower Upper

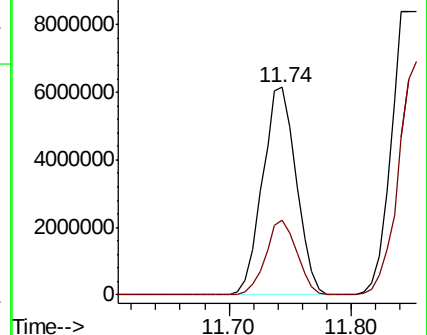
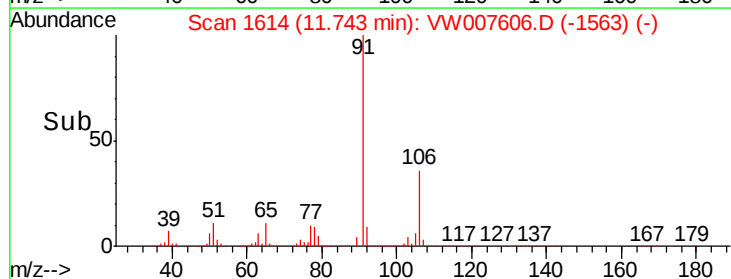
91 100

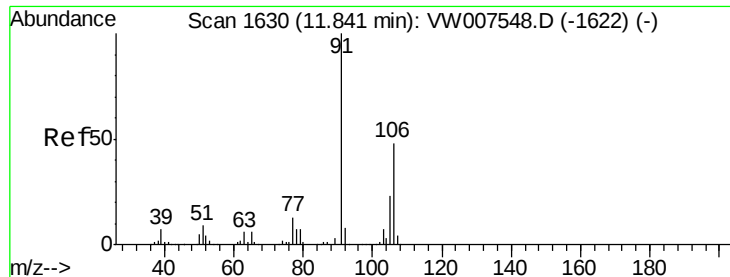
106 35.8 21.8 32.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 47831.710 ug/l

RT: 11.87 min Scan# 1634

Delta R.T. 0.02 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

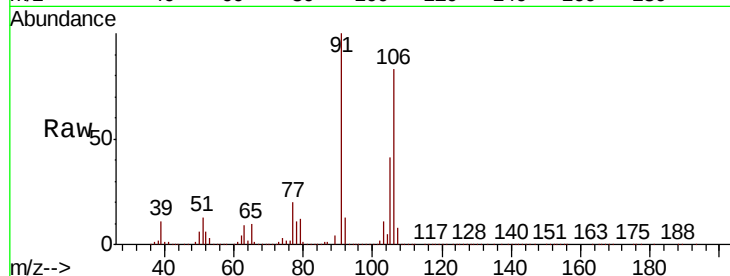
ClientSampleId :

Tot Ion:106 Resp:20079844

Ion Ratio Lower Upper

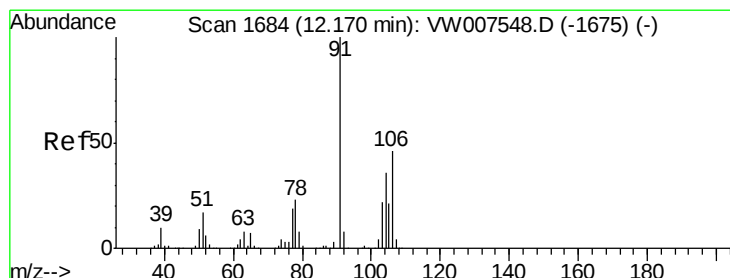
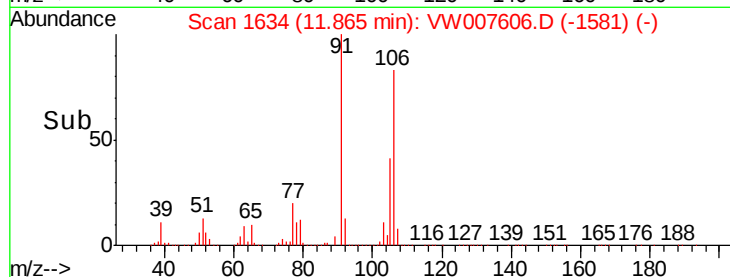
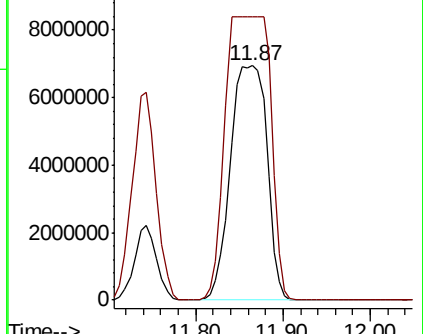
106 100

91 0.0 165.3 247.9#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 15943.686 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VW007606.D

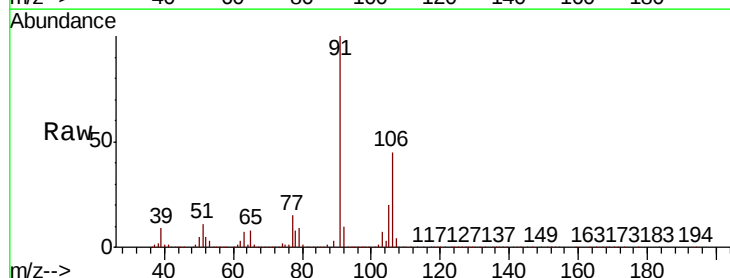
Acq: 16 Dec 2018 03:23

Tgt Ion:106 Resp: 6250997

Ion Ratio Lower Upper

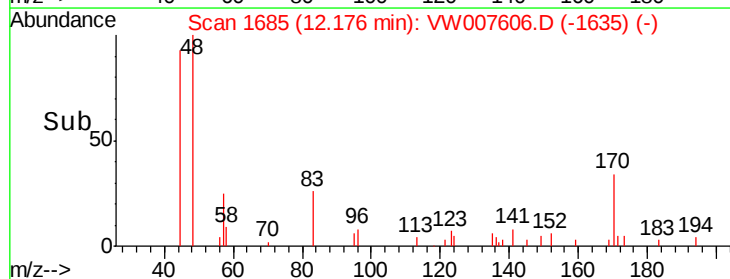
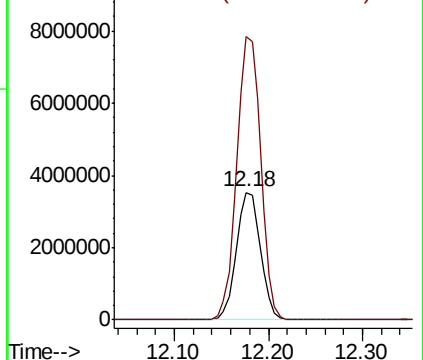
106 100

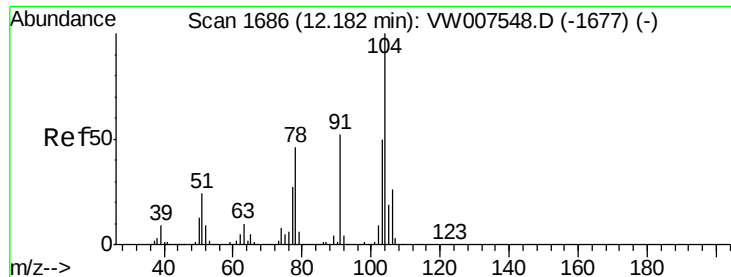
91 222.2 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#70

Stvrene

Concen: 590.791 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampled :

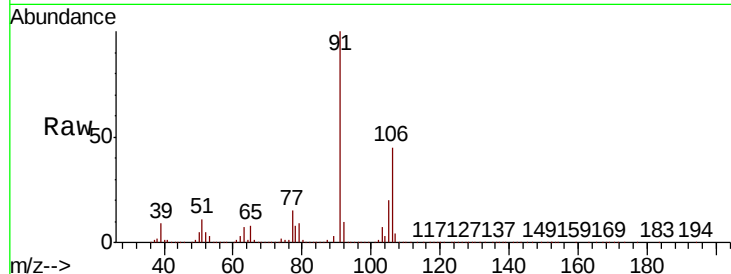
Tot Ion:104 Resp: 374131

Ion Ratio Lower Upper

104 100

78 297.3 41.8 62.8#

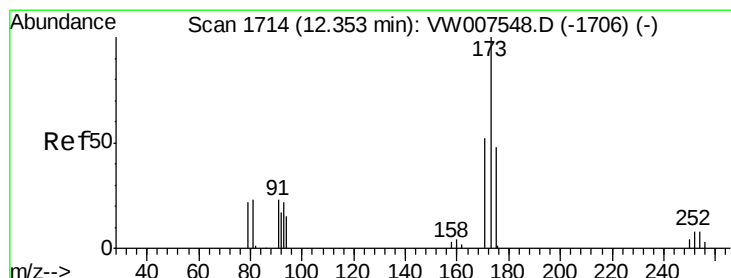
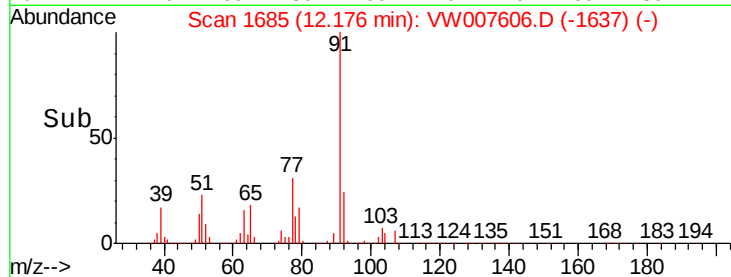
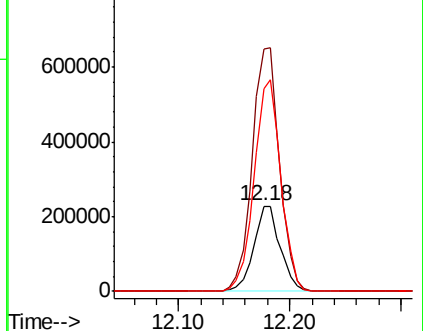
103 253.0 46.6 69.8#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 76.643 ug/l

RT: 12.36 min Scan# 1715

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

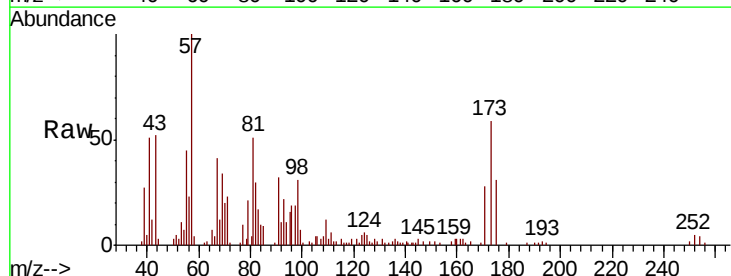
Tgt Ion:173 Resp: 8678

Ion Ratio Lower Upper

173 100

175 52.5 23.6 70.8

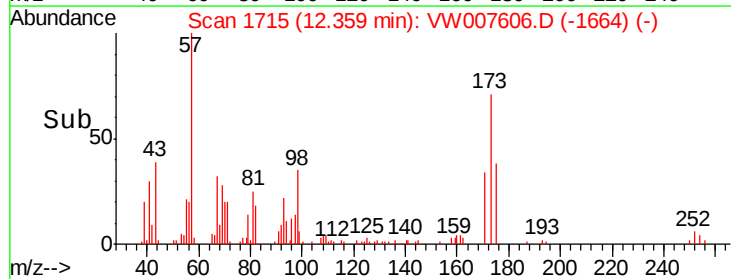
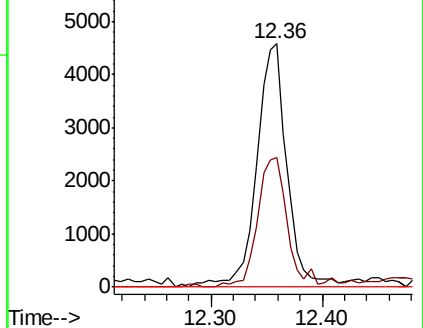
254 0.0 0.0 0.0

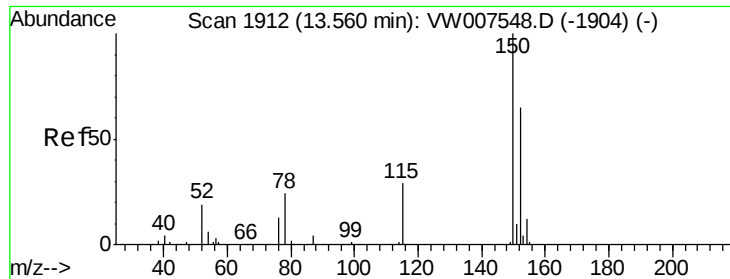


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

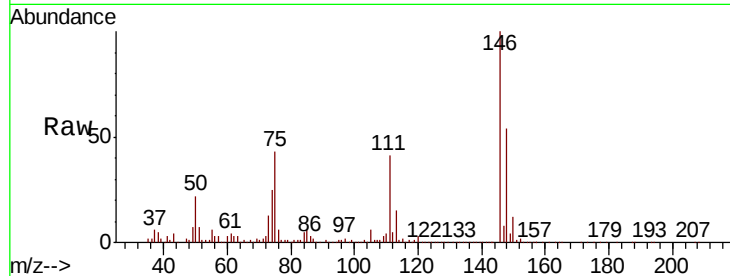
Tot Ion:152 Resp: 7261

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.2#

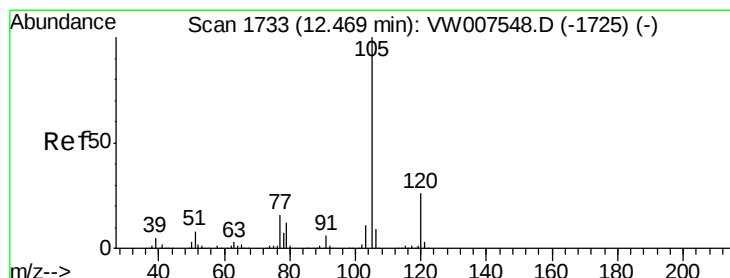
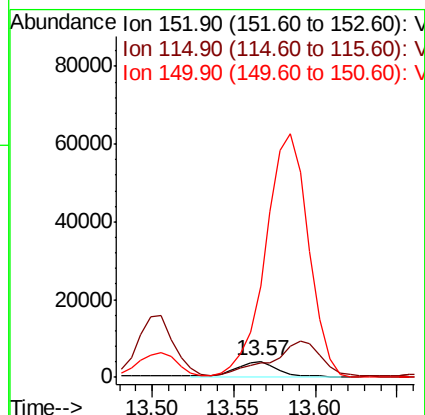
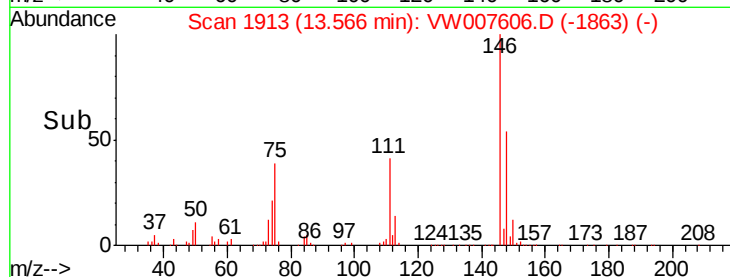
150 0.0 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 369.870 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW007606.D

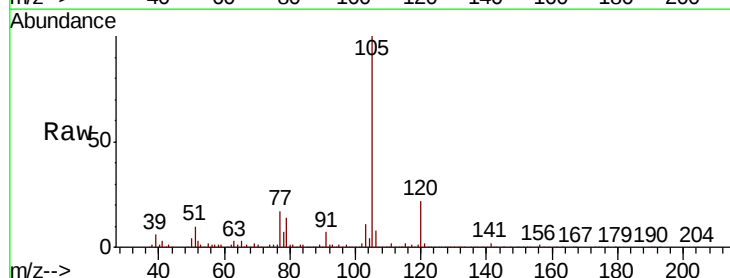
Acq: 16 Dec 2018 03:23

Tgt Ion:105 Resp: 205783

Ion Ratio Lower Upper

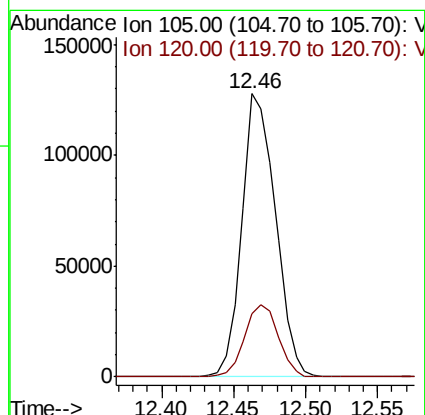
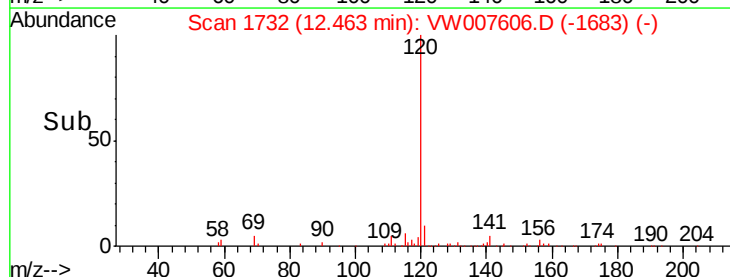
105 100

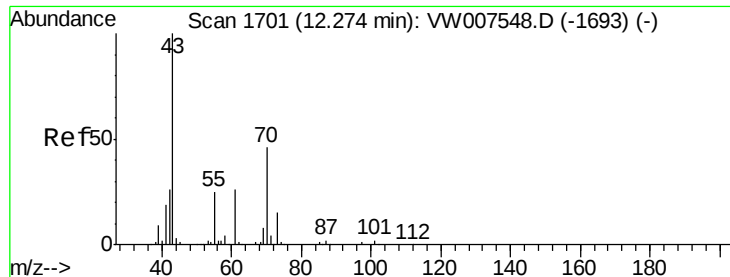
120 25.9 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 190.052 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 19217

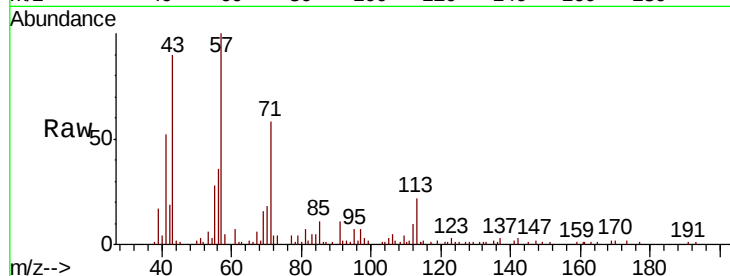
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 10.1 20.1 30.1#

61 0.0 19.3 28.9#

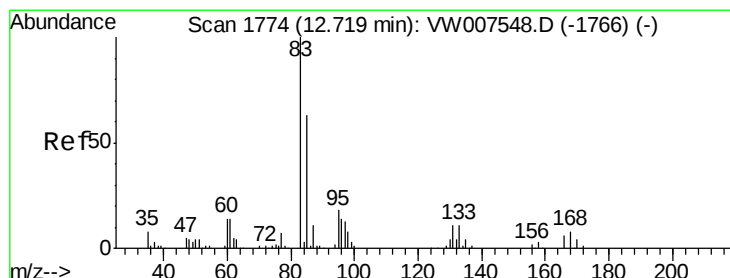
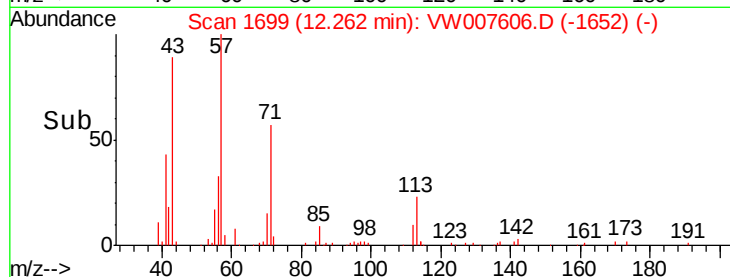
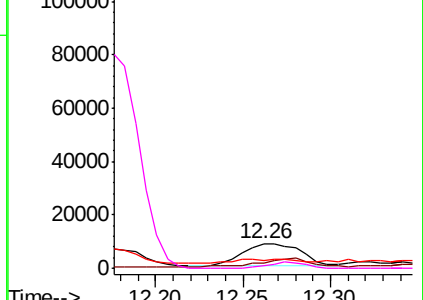


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 178.948 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

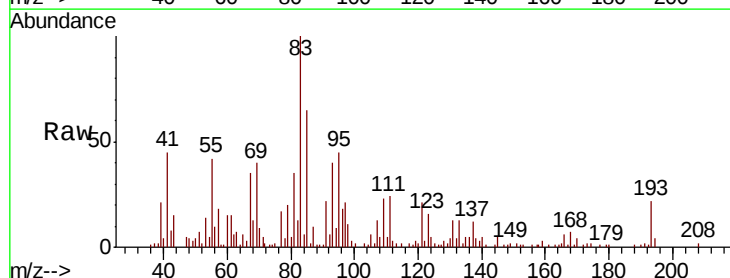
Tgt Ion: 83 Resp: 14746

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.8

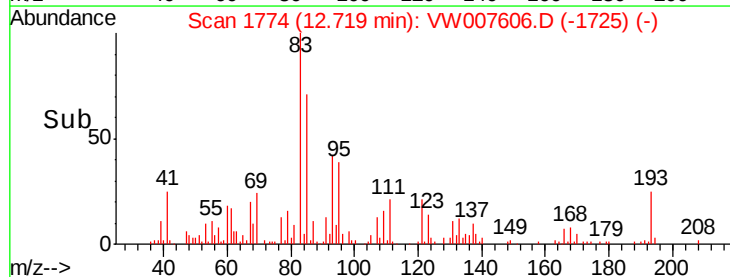
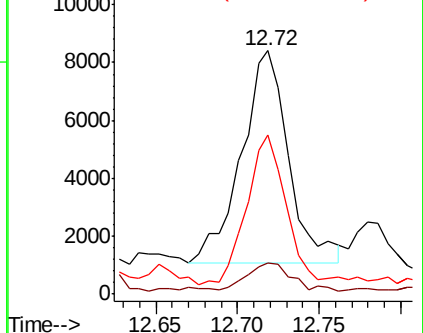
85 58.3 30.0 90.0

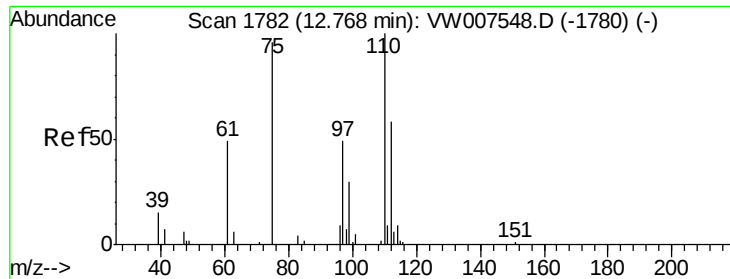


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

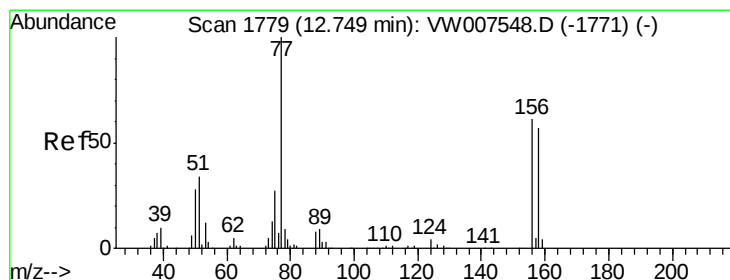
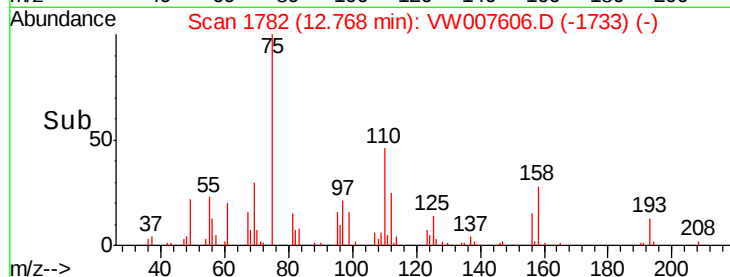
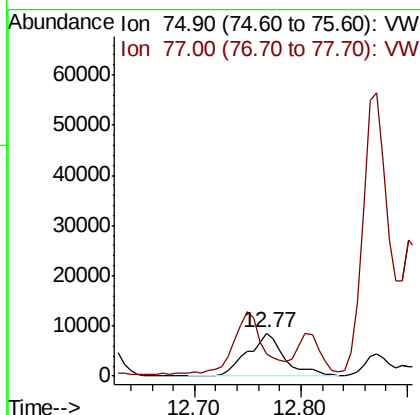
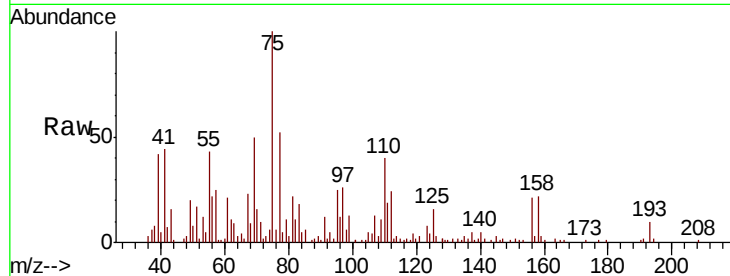




#76
 1,2,3-Trichloropropane
 Concen: 348.611 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

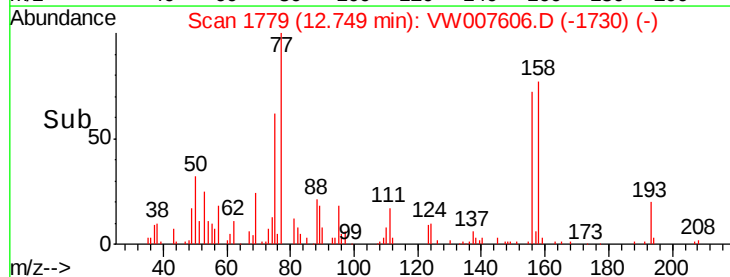
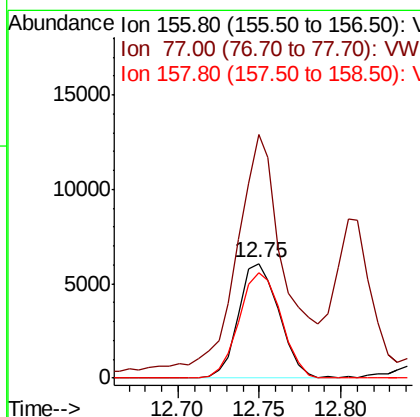
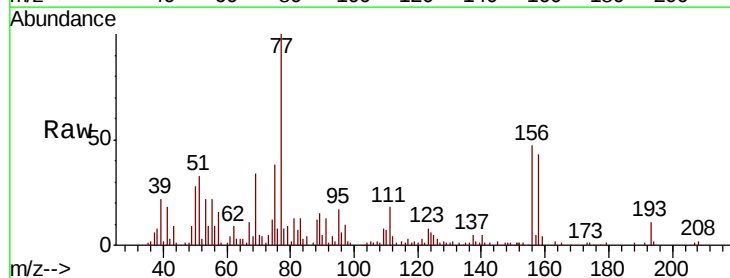
Instrument :
 MSVOA_W
 ClientSampleId :

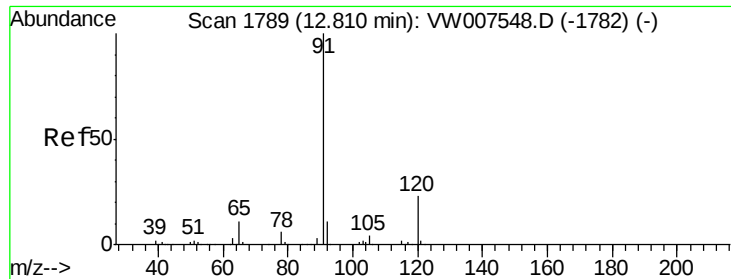
Tot Ion: 75 Resp: 20871
 Ion Ratio Lower Upper
 75 100
 77 120.2 166.9 500.8#



#77
 Bromobenzene
 Concen: 84.533 ug/l
 RT: 12.75 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 156 Resp: 10425
 Ion Ratio Lower Upper
 156 100
 77 240.5 88.1 264.4
 158 96.2 45.6 136.7





#78

n-propylbenzene

Concen: 461.609 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

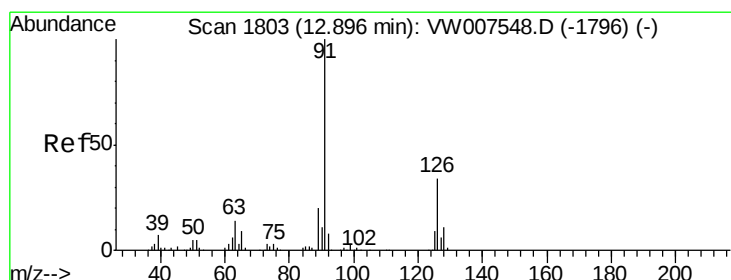
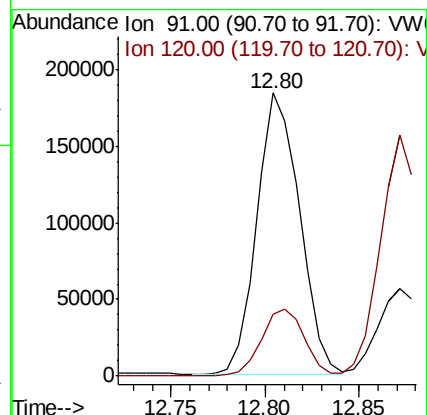
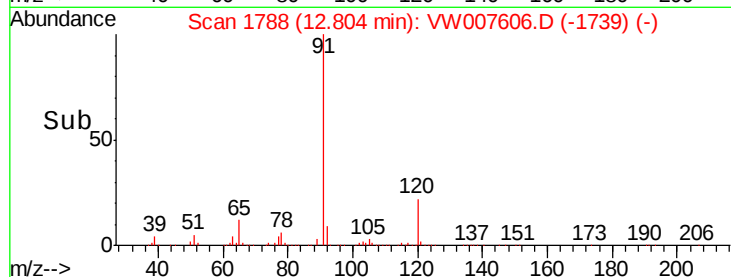
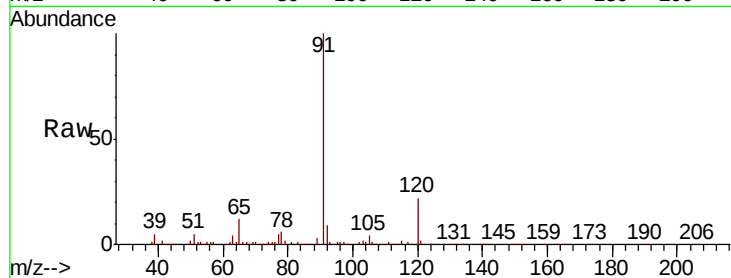
ClientSampled :

Tot Ion: 91 Resp: 289031

Ion Ratio Lower Upper

91 100

120 24.2 11.9 35.5



#79

2-Chlorotoluene

Concen: 71.142 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.10 min

Lab File: VW007606.D

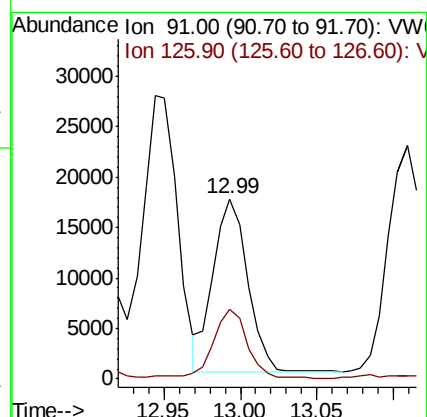
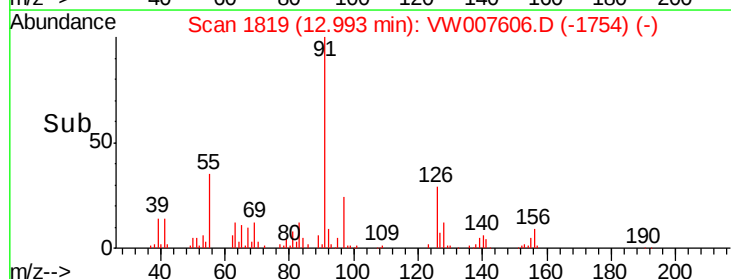
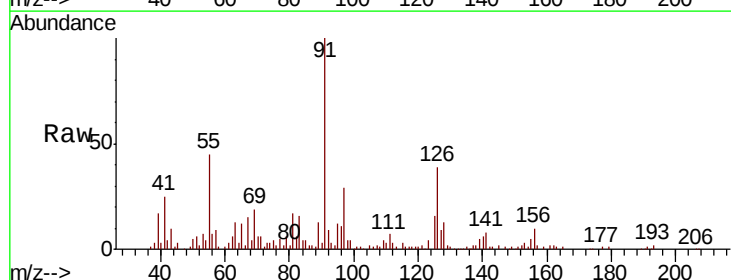
Acq: 16 Dec 2018 03:23

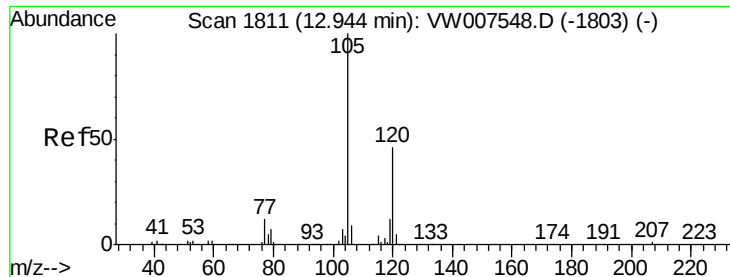
Tgt Ion: 91 Resp: 26953

Ion Ratio Lower Upper

91 100

126 39.2 15.9 47.6





#80

1,3,5-Trimethylbenzene

Concen: 845.597 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

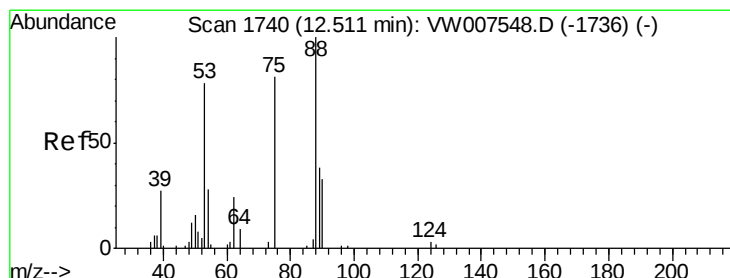
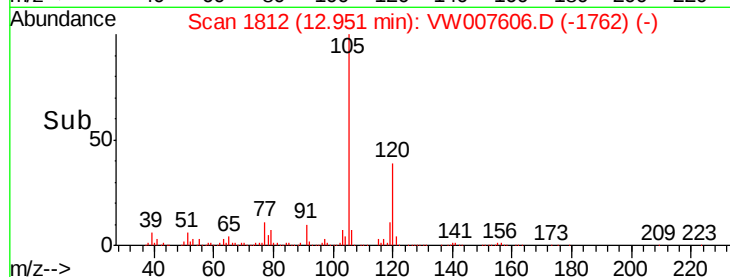
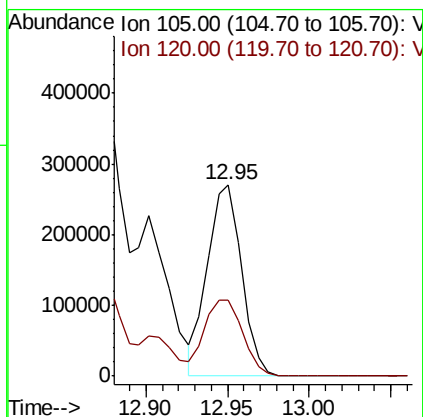
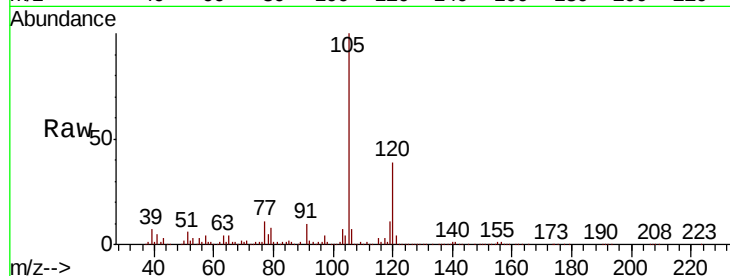
ClientSampled :

Tot Ion:105 Resp: 395304

Ion Ratio Lower Upper

105 100

120 44.4 23.8 71.4



#81

trans-1,4-Dichloro-2-butene

Concen: 159.876 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

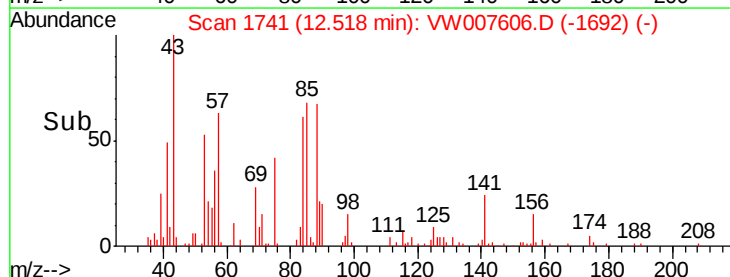
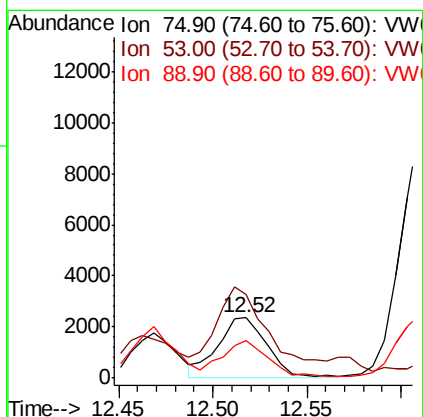
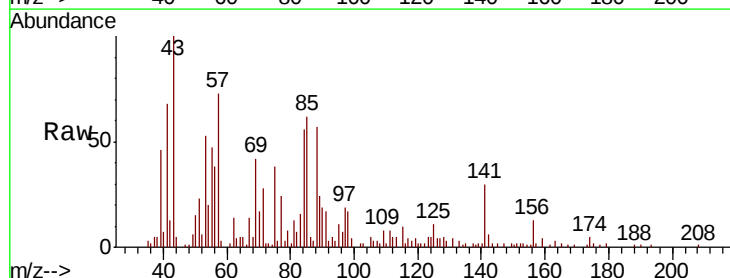
Tgt Ion: 75 Resp: 4333

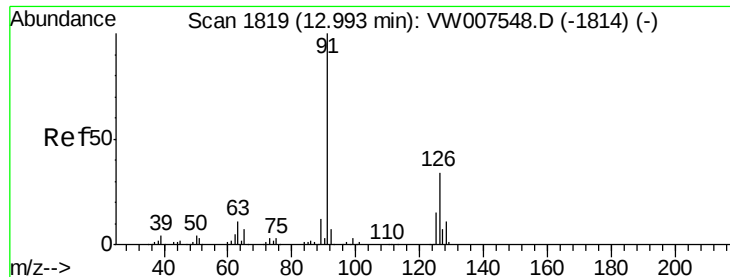
Ion Ratio Lower Upper

75 100

53 104.9 84.9 127.3

89 56.2 40.3 60.5

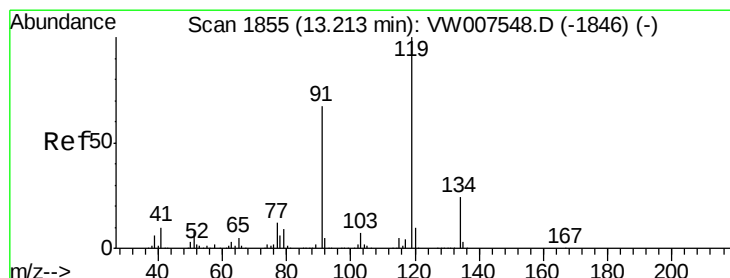
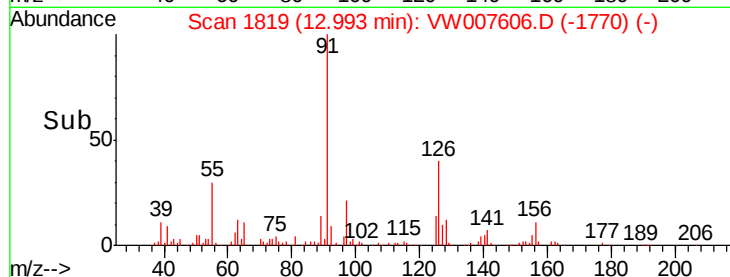
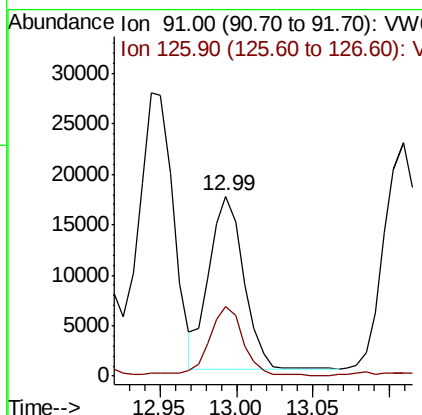
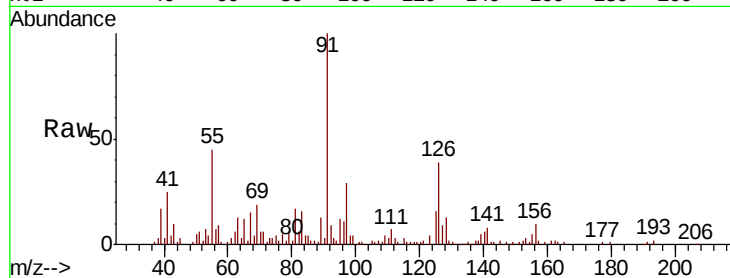




#82
4-Chlorotoluene
Concen: 67.490 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

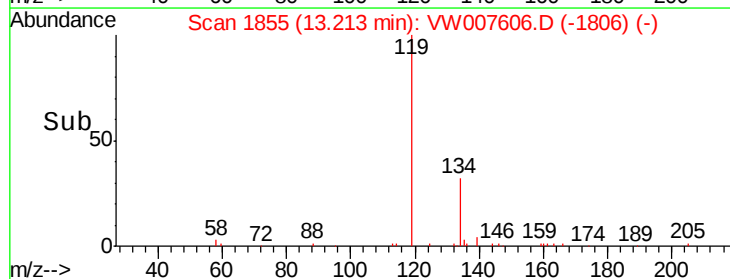
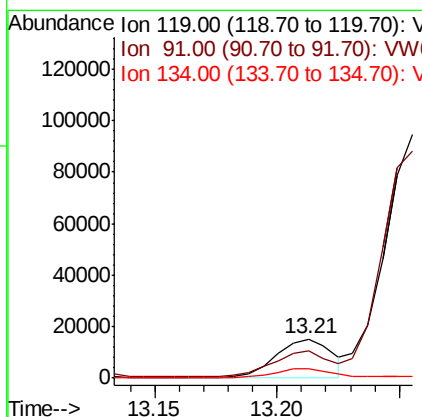
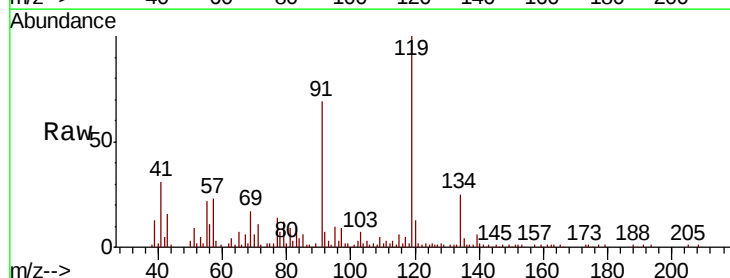
Instrument :
MSVOA_W
ClientSampleId :

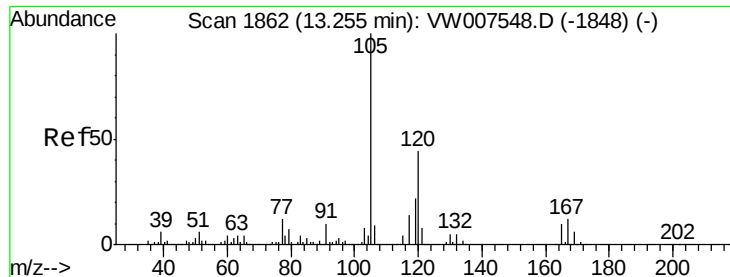
Tot Ion: 91 Resp: 26953
Ion Ratio Lower Upper
91 100
126 39.2 16.0 48.0



#83
tert-Butylbenzene
Concen: 56.965 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007606.D
Acq: 16 Dec 2018 03:23

Tgt Ion: 119 Resp: 23465
Ion Ratio Lower Upper
119 100
91 68.7 33.1 99.2
134 26.1 12.5 37.5

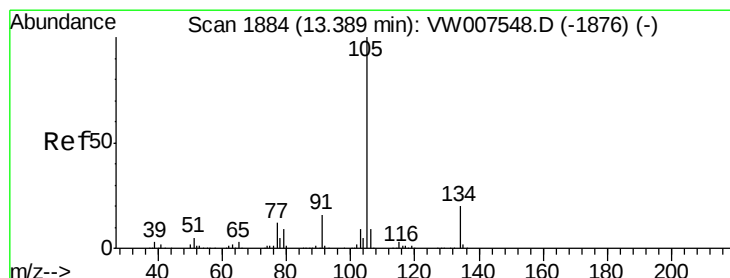
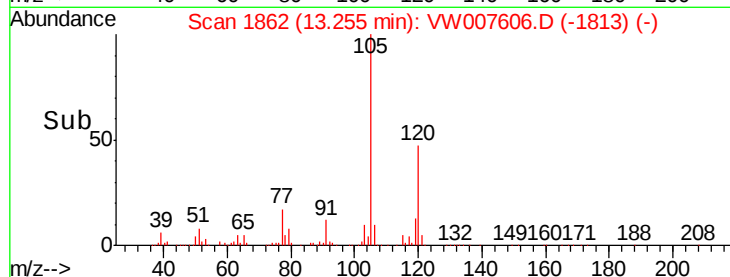
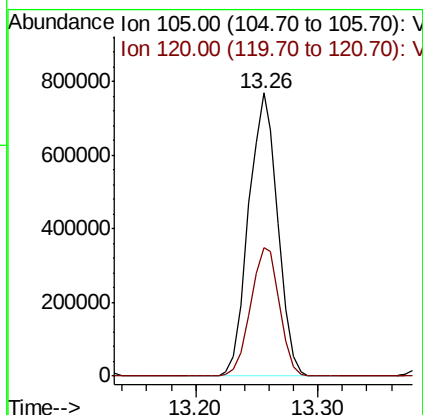
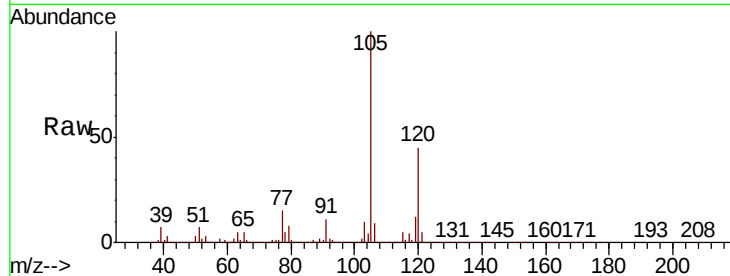




#84
 1,2,4-Trimethylbenzene
 Concen: 2630.867 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

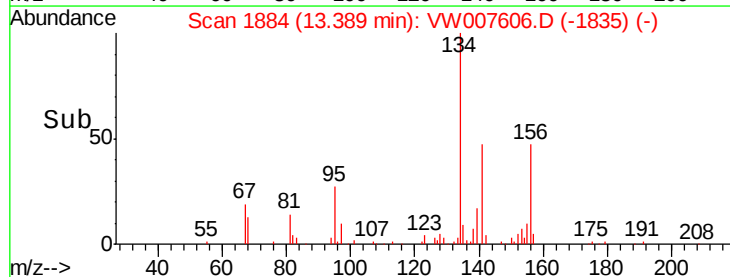
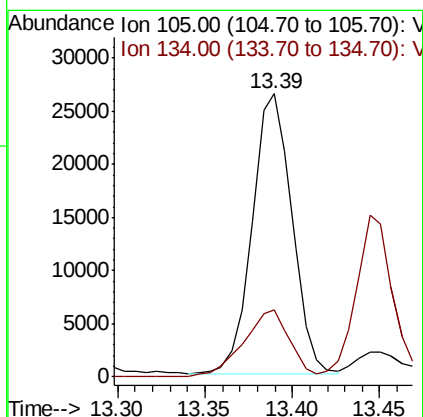
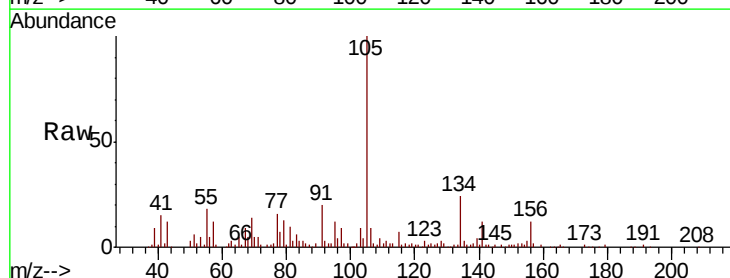
Instrument :
 MSVOA_W
 ClientSampleId :

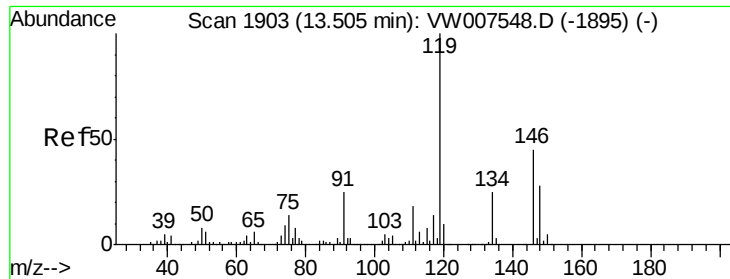
Tot Ion:105 Resp: 1265620
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 73.511 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion:105 Resp: 41337
 Ion Ratio Lower Upper
 105 100
 134 28.0 11.1 33.3

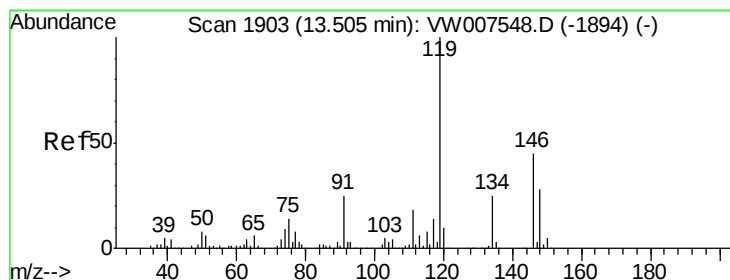
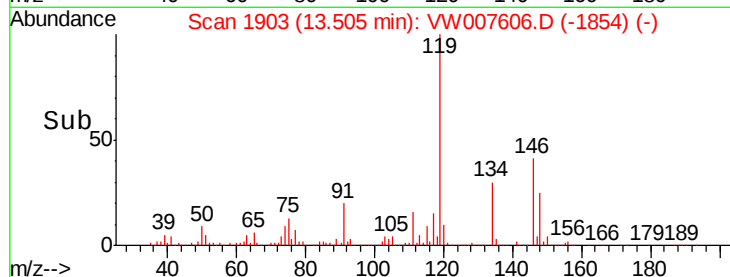
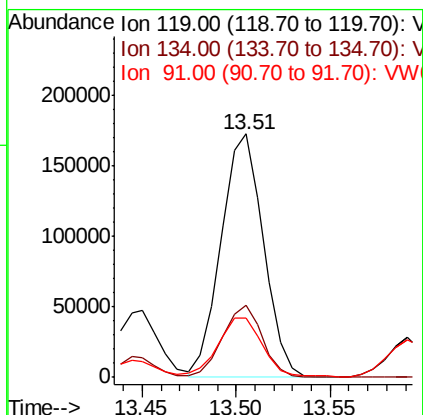
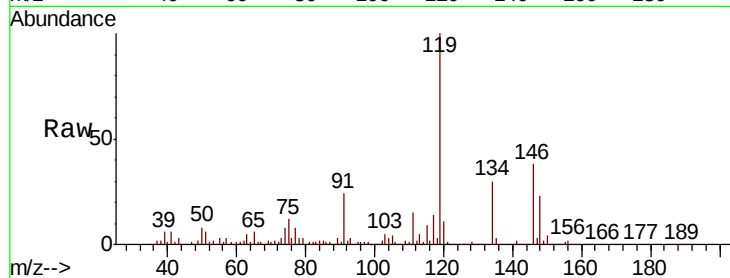




#86
 p-Isopropyltoluene
 Concen: 528.131 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

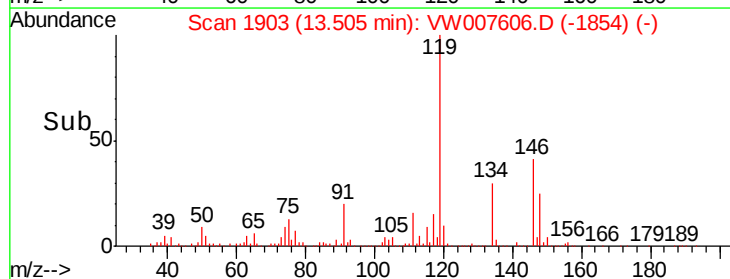
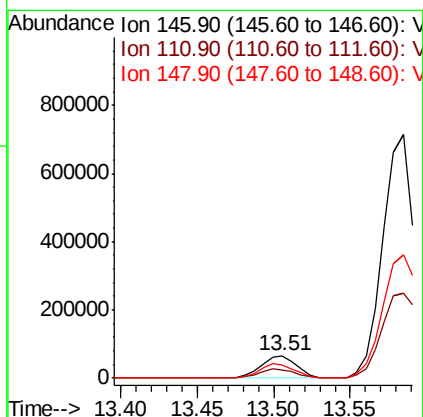
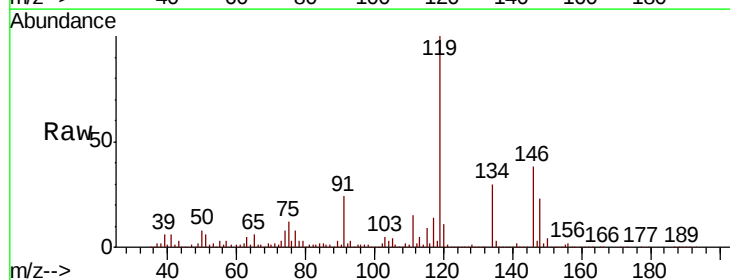
Instrument :
 MSVOA_W
 ClientSampleId :

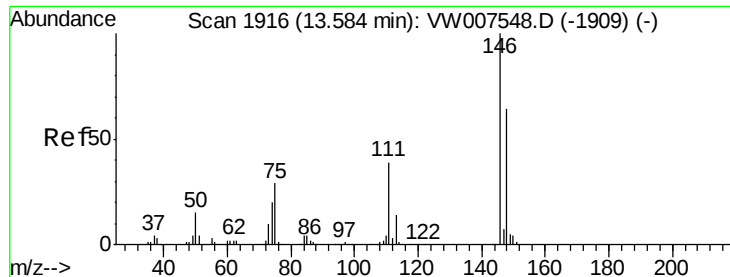
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.7	12.9	38.7
91	25.0	11.9	35.9



#87
 1,3-Dichlorobenzene
 Concen: 427.710 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.1	60.3
148	64.8	31.4	94.0





#88

1,4-Dichlorobenzene

Concen: 4409.183 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

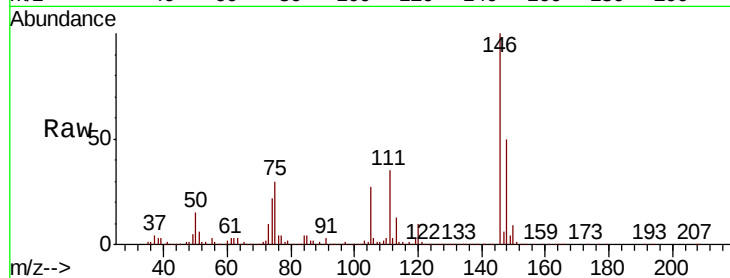
Tot Ion:146 Resp: 1089927

Ion Ratio Lower Upper

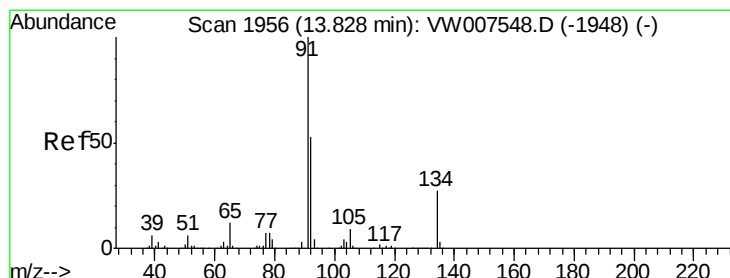
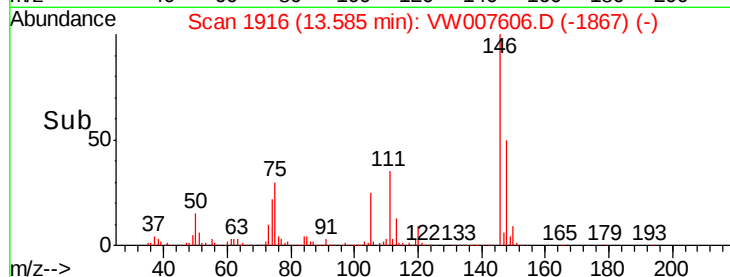
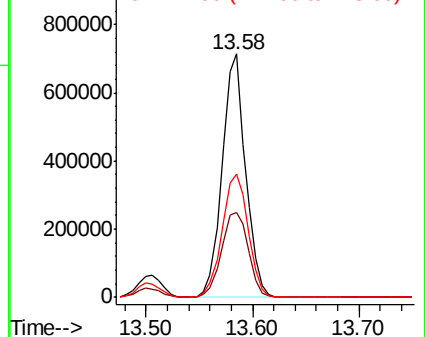
146 100

111 39.7 20.3 61.0

148 56.4 33.5 100.5



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



#89

n-Butylbenzene

Concen: 95.290 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

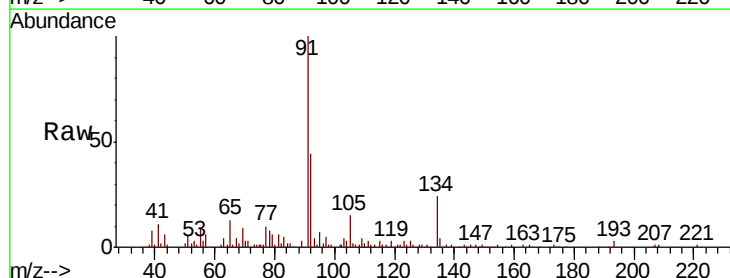
Tgt Ion: 91 Resp: 44626

Ion Ratio Lower Upper

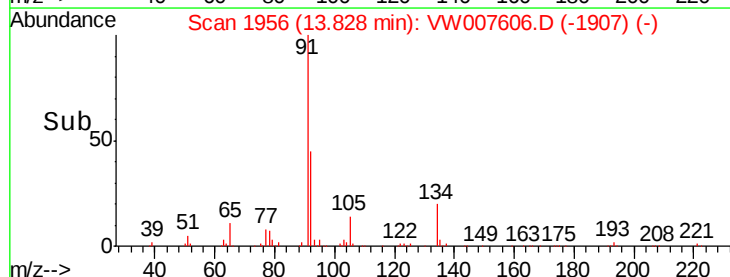
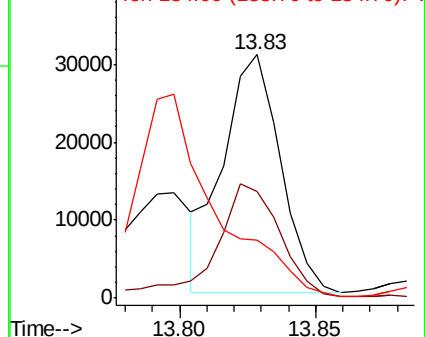
91 100

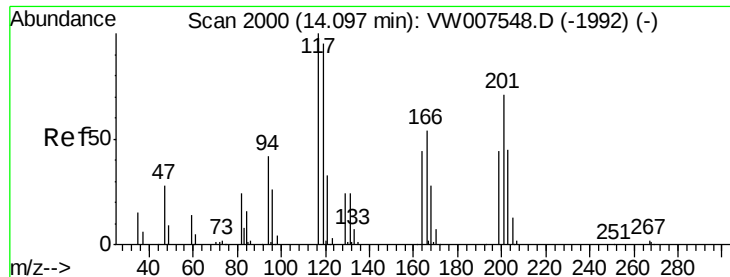
92 52.4 25.7 77.1

134 0.0 13.4 40.2#



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 163.753 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

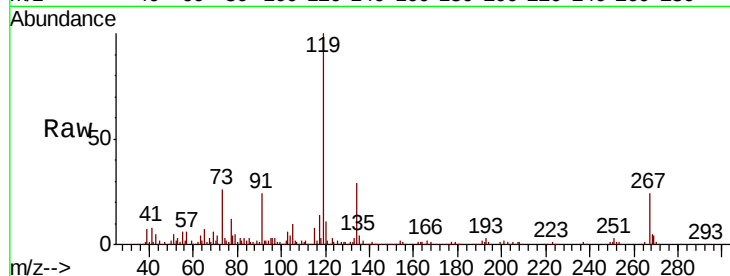
ClientSampleId :

Tot Ion:117 Resp: 14719

Ion Ratio Lower Upper

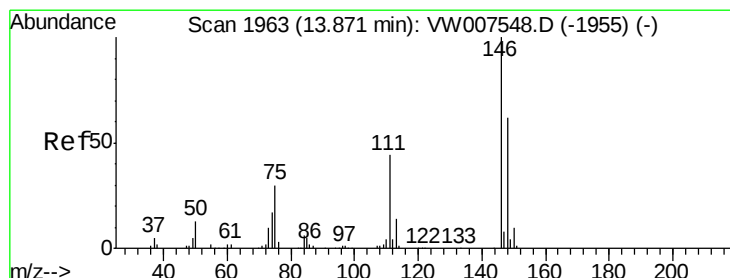
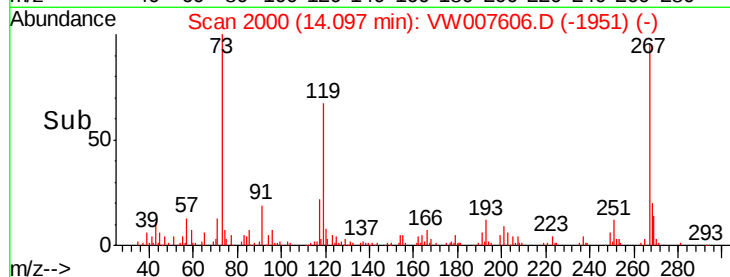
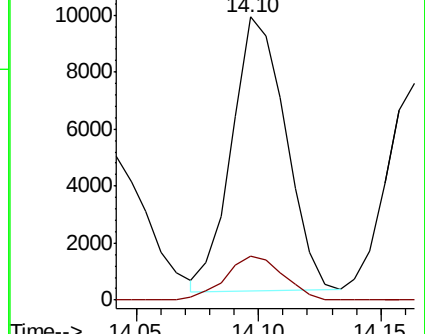
117 100

201 17.1 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 243.147 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

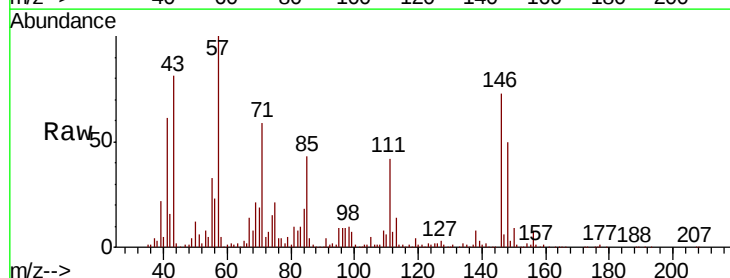
Tgt Ion:146 Resp: 53548

Ion Ratio Lower Upper

146 100

111 50.0 22.4 67.2

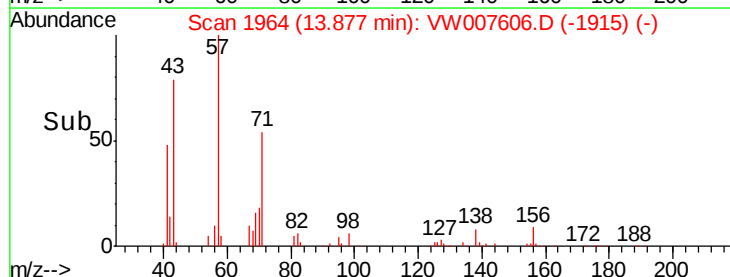
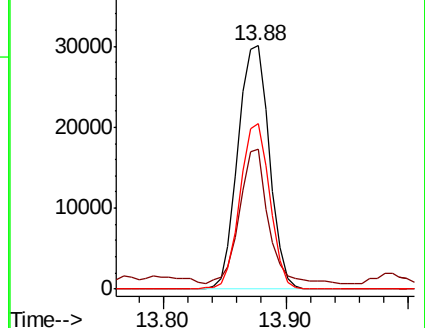
148 64.5 32.4 97.2

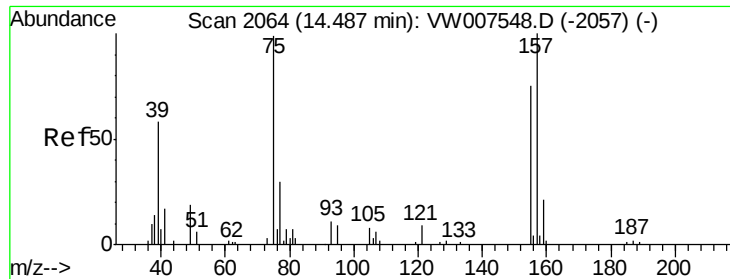


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

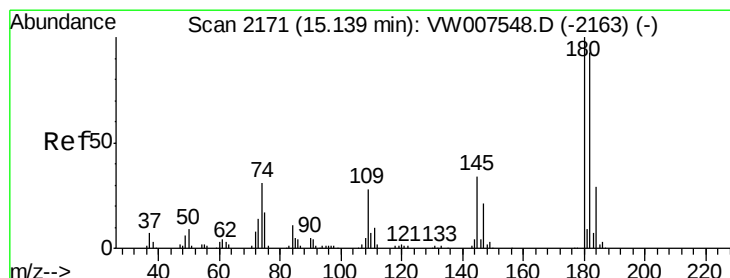
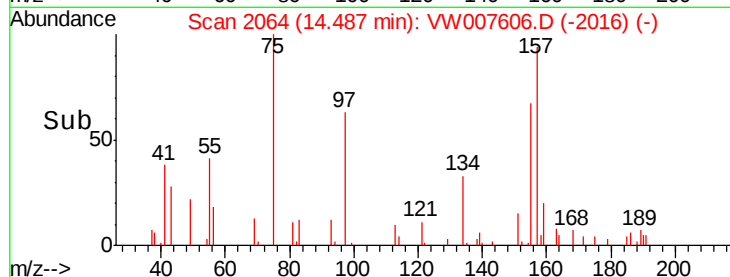
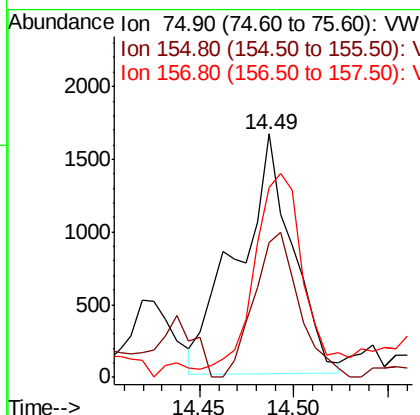
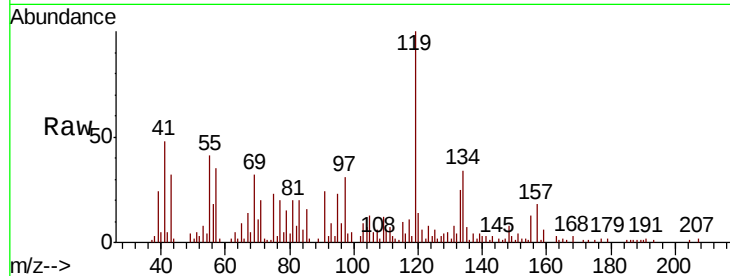




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 200.764 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

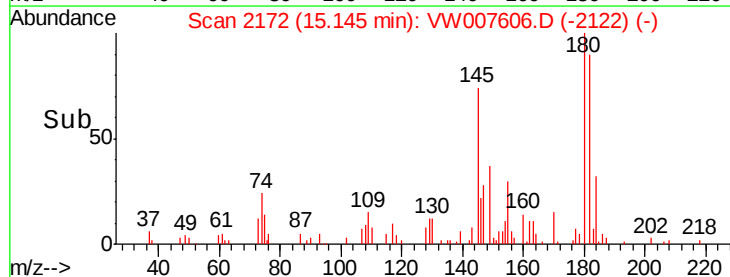
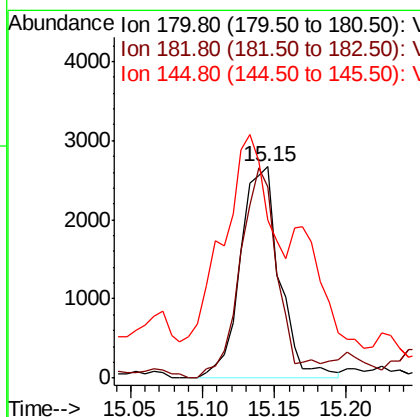
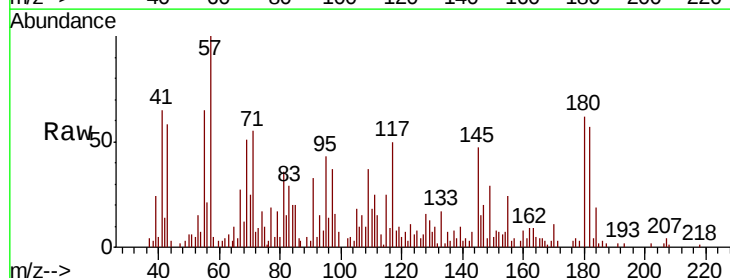
Instrument :
 MSVOA_W
 ClientSampleId :

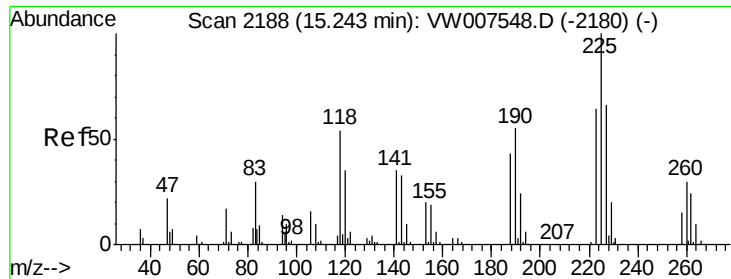
Tot Ion: 75 Resp: 3320
 Ion Ratio Lower Upper
 75 100
 155 49.7 40.8 122.2
 157 72.3 51.1 153.4



#93
 1,2,4-Trichlorobenzene
 Concen: 33.301 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Tgt Ion: 180 Resp: 5047
 Ion Ratio Lower Upper
 180 100
 182 92.7 49.9 149.6
 145 117.8 17.8 53.4#





#94

Hexachlorobutadiene

Concen: 22.757 ug/l

RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VW007606.D

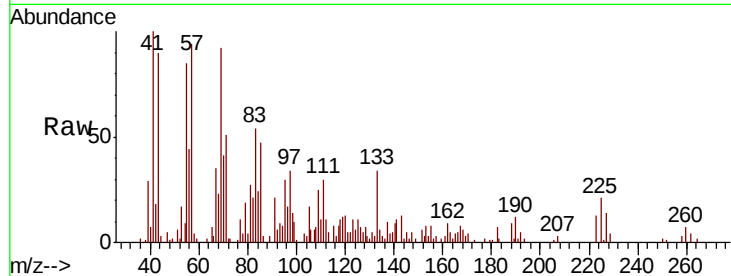
Acq: 16 Dec 2018 03:23

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	225	Resp:	1830
Ion	Ratio	Lower	Upper
225	100		
223	66.8	32.1	96.3
227	72.7	31.9	95.9

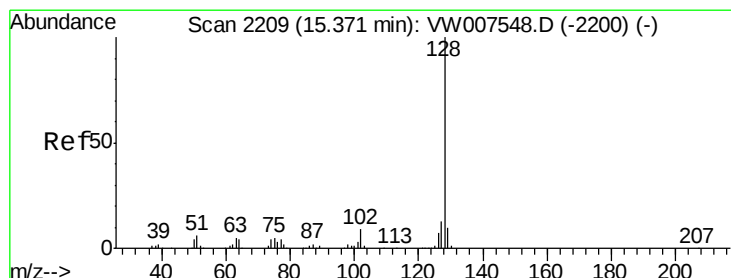
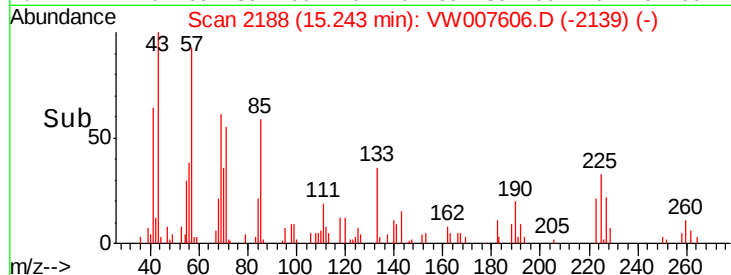
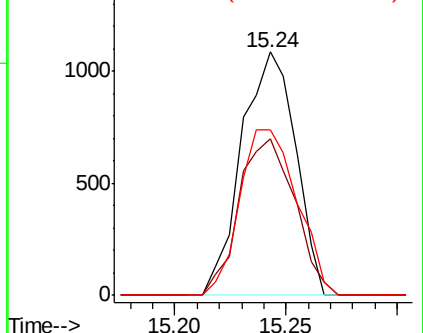


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1353.827 ug/l

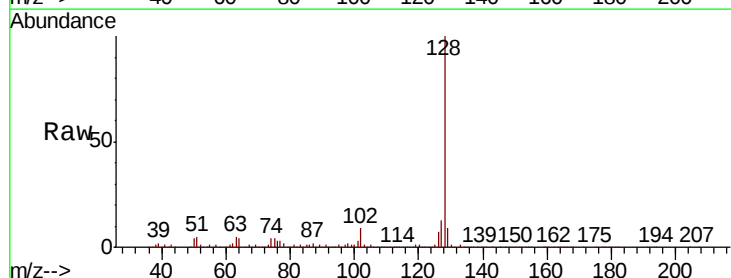
RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW007606.D

Acq: 16 Dec 2018 03:23

Tgt Ion:	128	Resp:	392525
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	10.8	8.3	12.5

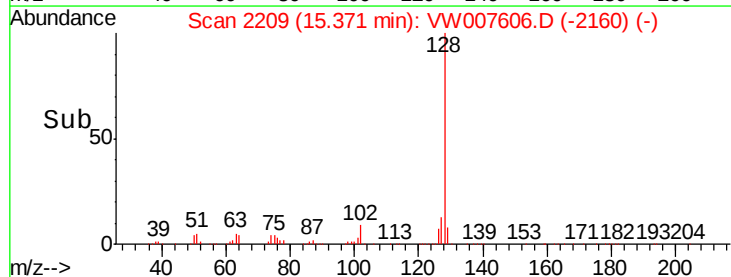
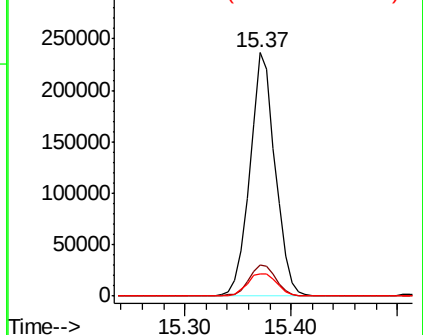


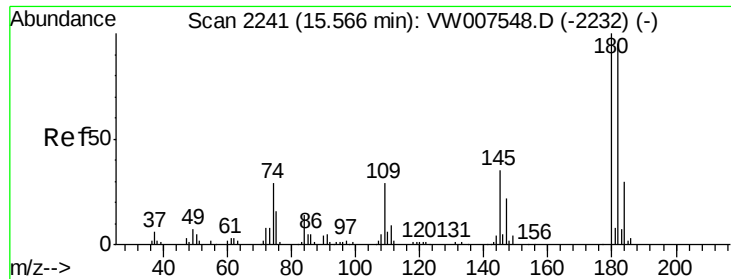
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

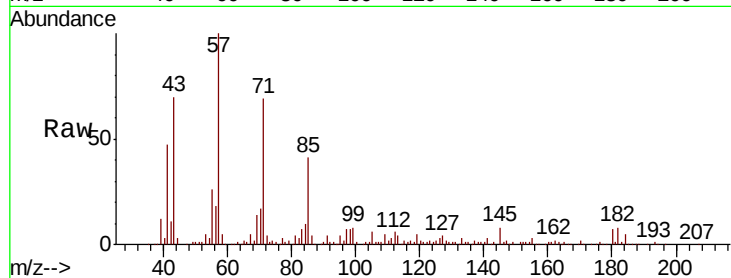




#96
 1,2,3-Trichlorobenzene
 Concen: 44.282 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW007606.D
 Acq: 16 Dec 2018 03:23

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.1	45.6	136.7
145	151.5	17.5	52.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

