

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012385.D
 Acq On : 31 Aug 2019 07:39
 Operator : SY/VA
 Sample : K4568-17
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 31 11:13:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	1079	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.85	114	1381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	122	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	912	71.10	ug/l	0.00
Spiked Amount			Recovery	=	142.20%	
35) Dibromofluoromethane	7.89	113	591	71.70	ug/l	0.00
Spiked Amount			Recovery	=	143.40%	
50) Toluene-d8	10.32	98	1288	38.54	ug/l	0.00
Spiked Amount			Recovery	=	77.08%	
62) 4-Bromofluorobenzene	12.62	95	232	19.69	ug/l	0.00
Spiked Amount			Recovery	=	39.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	47	4.566	ug/l #	43
4) Vinyl Chloride	2.20	62	26	2.064	ug/l #	1
6) Chloroethane	2.93	64	92	12.945	ug/l #	45
10) Methyl Iodide	4.29	142	43	2.956	ug/l #	40
11) Tert butyl alcohol	5.36	59	21	27.206	ug/l #	71
12) 1,1-Dichloroethene	3.92	96	31	2.864	ug/l #	1
13) Acrolein	3.99	56	29	39.911	ug/l #	15
14) Allyl chloride	4.70	41	223	9.638	ug/l #	33
16) Acetone	4.13	43	158	48.189	ug/l #	47
18) Methyl Acetate	4.68	43	146	17.978	ug/l #	90
19) Methyl tert-butyl Ether	5.36	73	27	1.543	ug/l #	52
22) Diisopropyl ether	6.18	45	43	1.003	ug/l #	36
25) 2-Butanone	7.19	43	22	4.938	ug/l #	56
28) Bromochloromethane	7.59	49	21	2.063	ug/l #	24
29) Tetrahydrofuran	7.55	42	39	14.590	ug/l #	42
36) 1,1-Dichloropropene	8.20	75	22	1.542	ug/l #	44
37) Ethyl Acetate	7.24	43	76	9.718	ug/l #	73
38) Carbon Tetrachloride	7.93	117	19	1.538	ug/l #	12
40) Benzene	8.34	78	46	1.180	ug/l #	51
41) Methacrylonitrile	7.56	41	22	4.786	ug/l #	27
42) 1,2-Dichloroethane	8.20	62	22	1.801	ug/l #	77
43) Isopropyl Acetate	8.48	43	25	1.726	ug/l #	55
45) 1,2-Dichloropropane	9.34	63	24	2.288	ug/l #	43
48) Methyl methacrylate	9.49	41	62	8.993	ug/l #	40
51) 4-Methyl-2-Pentanone	10.21	43	41	5.565	ug/l #	40
59) 2-Hexanone	10.99	43	49	9.399	ug/l #	28
69) o-Xylene	12.32	106	20	2.765	ug/l #	1
73) Isopropylbenzene	12.40	105	23	2.516	ug/l #	50
74) N-amyl acetate	12.24	43	22	7.965	ug/l #	47
76) 1,2,3-Trichloropropane	12.62	75	92	77.428	ug/l #	100
78) n-propylbenzene	12.57	91	20	1.792	ug/l #	55
81) trans-1,4-Dichloro-2-buten	12.62	75	92	169.765	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.40	105	22	2.867	ug/l #	32
85) sec-Butylbenzene	13.40	105	22	2.373	ug/l #	57

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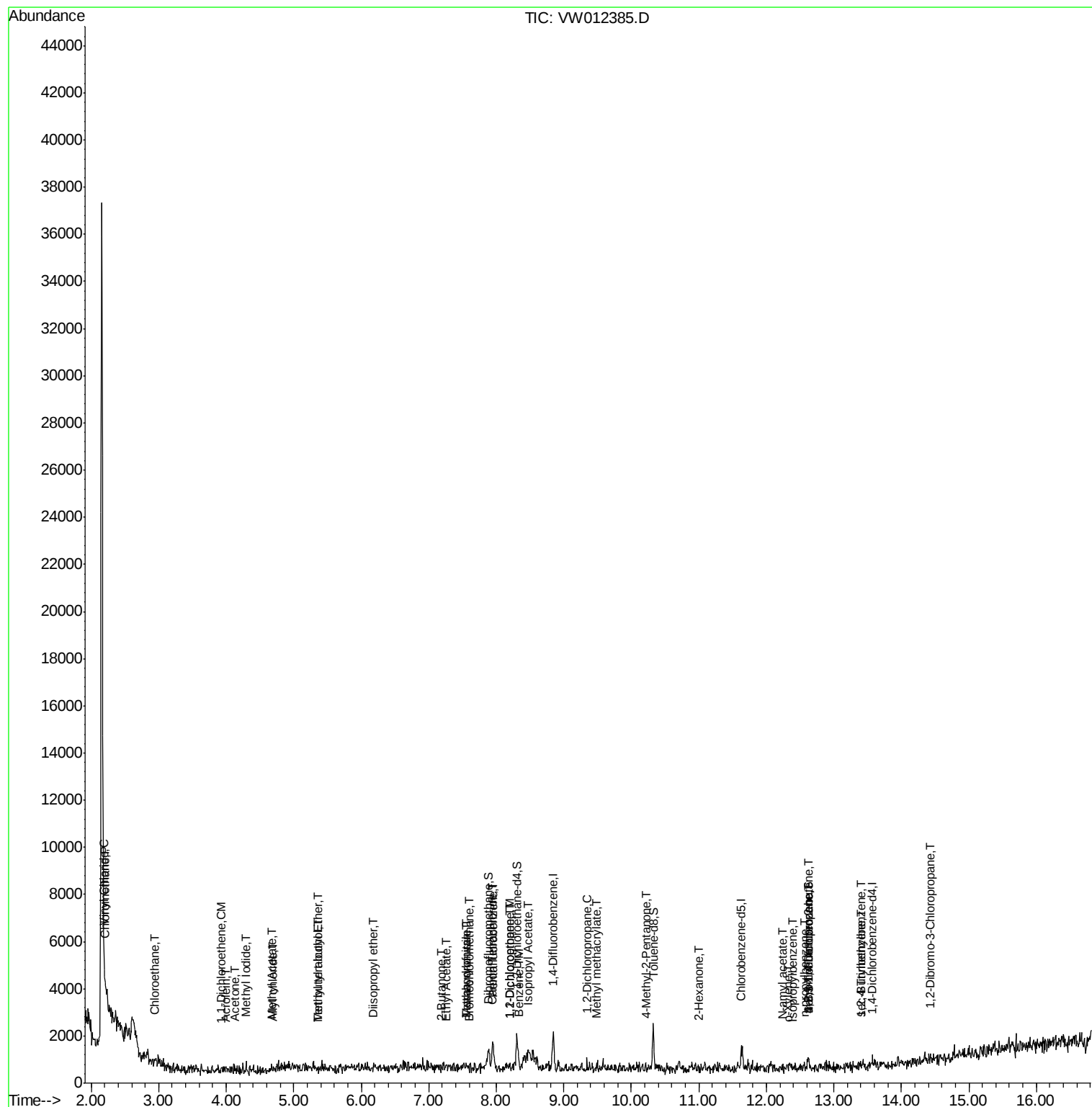
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	14.43	75	23	81.406	ug/l #	5

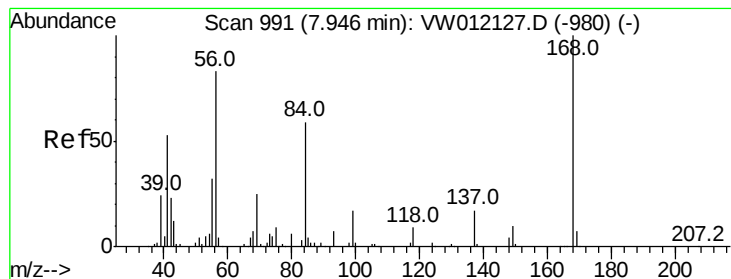
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

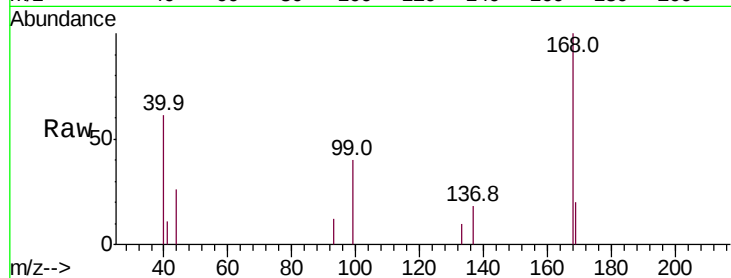
ClientSampleId :

Tot Ion:168 Resp: 1079

Ion Ratio Lower Upper

168 100

99 39.8 49.2 73.8#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

600

500

400

300

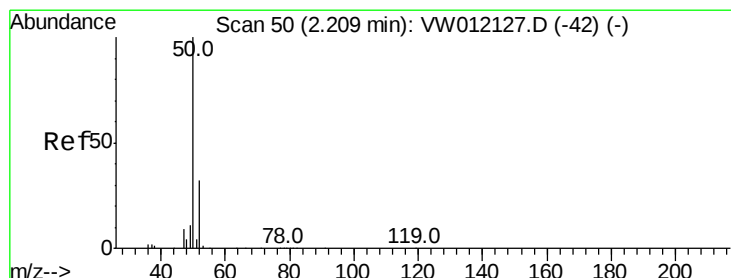
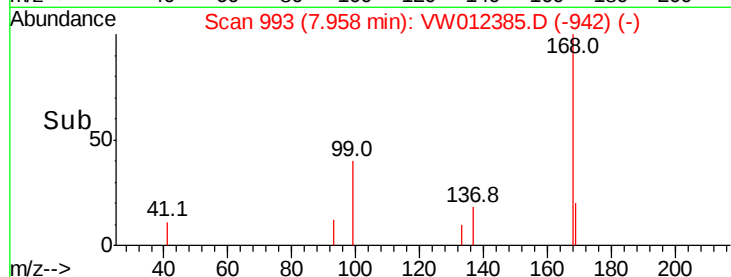
200

100

0

7.90 7.95 8.00

Time-->



#3

Chloromethane

Concen: 4.566 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012385.D

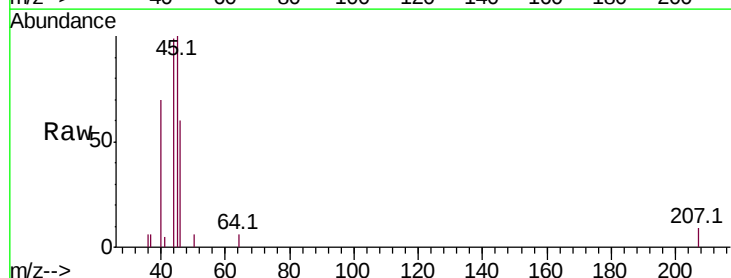
Acq: 31 Aug 2019 07:39

Tgt Ion: 50 Resp: 47

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

80

60

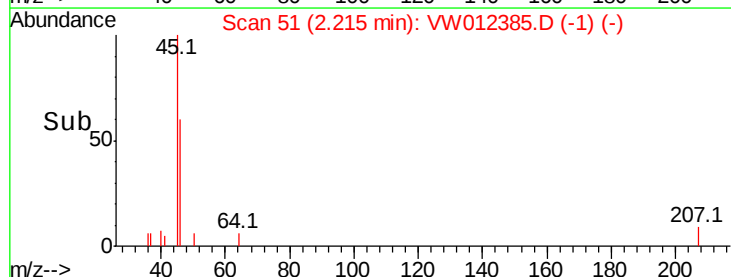
40

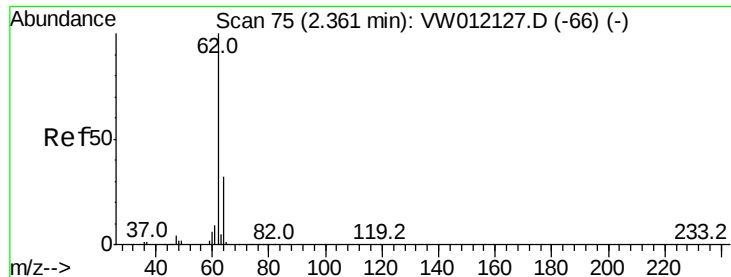
20

0

2.20 2.21 2.22 2.23 2.24

Time-->





#4

Vinyl Chloride

Concen: 2.064 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.16 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

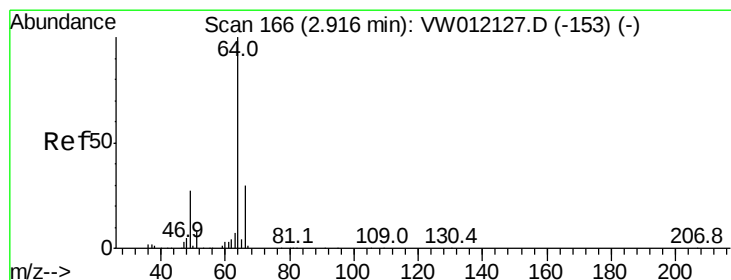
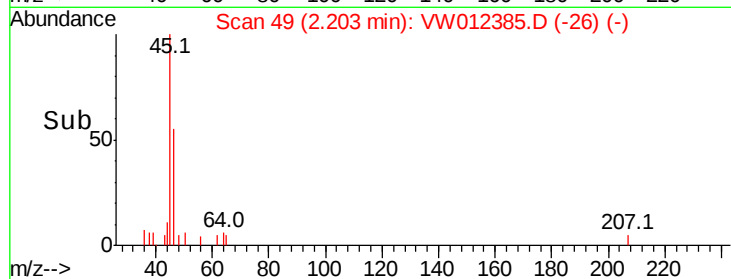
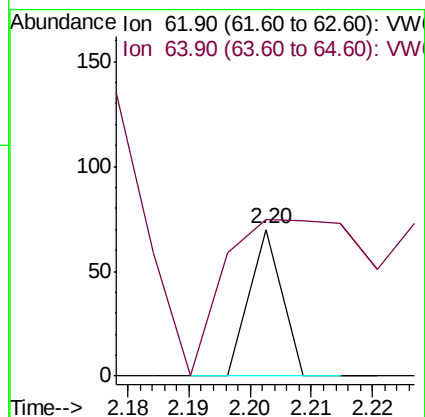
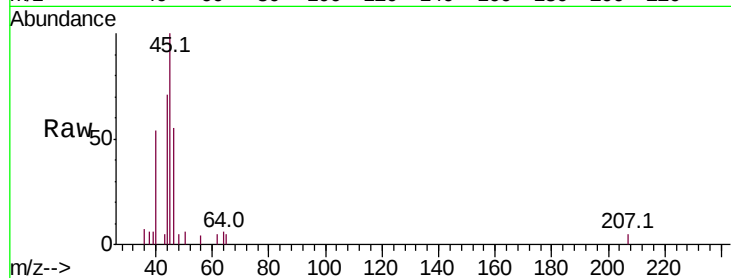
ClientSampled :

Tot Ion: 62 Resp: 26

Ion Ratio Lower Upper

62 100

64 107.1 25.3 37.9#



#6

Chloroethane

Concen: 12.945 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.02 min

Lab File: VW012385.D

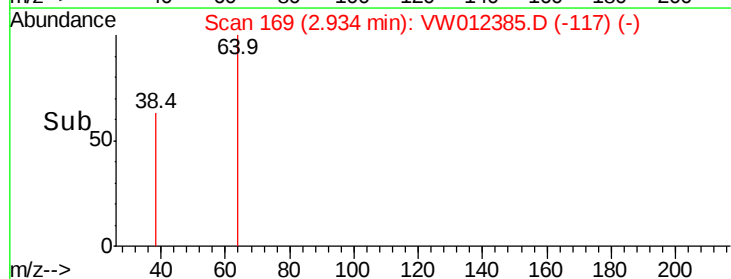
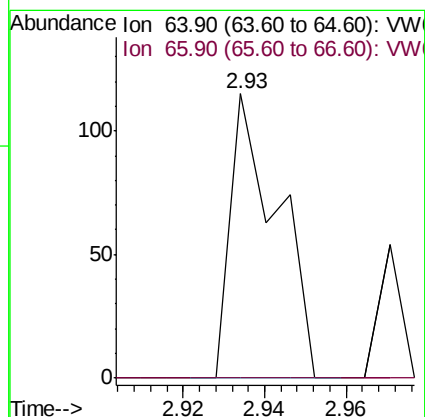
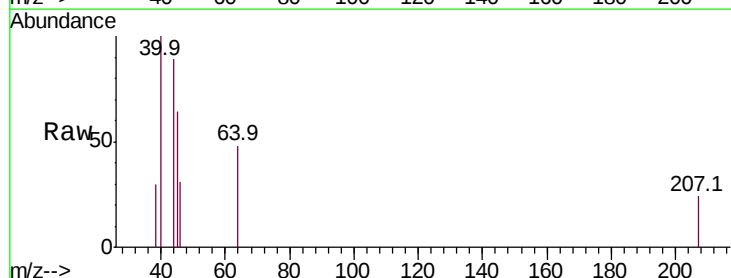
Acq: 31 Aug 2019 07:39

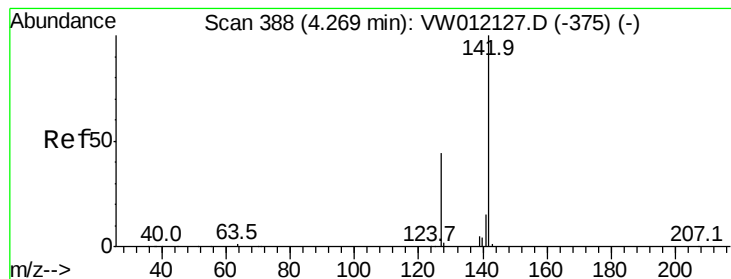
Tgt Ion: 64 Resp: 92

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#





#10

Methyl Iodide

Concen: 2.956 ug/l

RT: 4.29 min Scan# 391

Delta R.T. 0.02 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :
MSVOA_W
ClientSampleId :

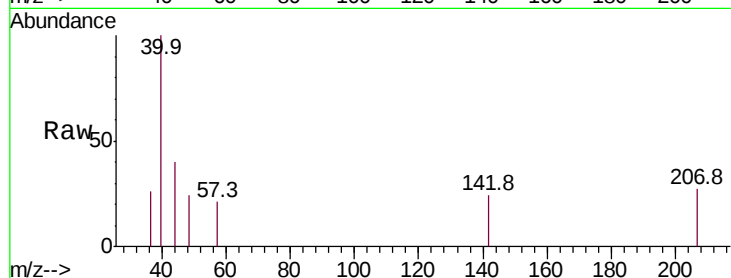
Tot Ion:142 Resp: 43

Ion Ratio Lower Upper

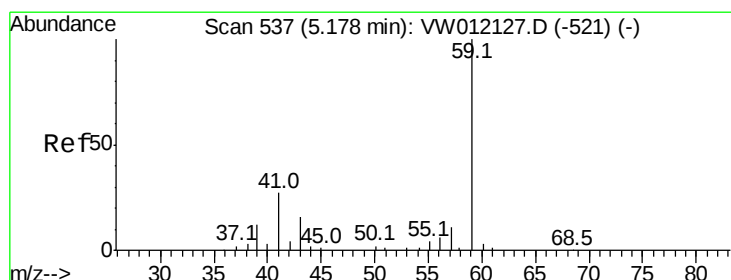
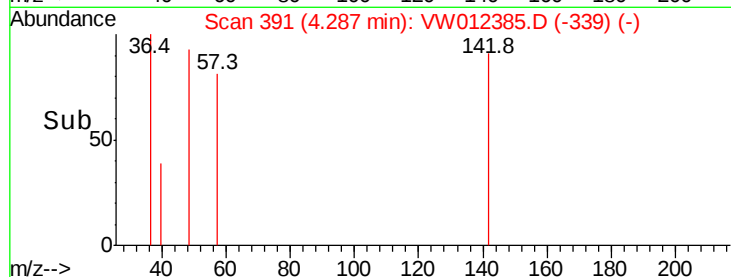
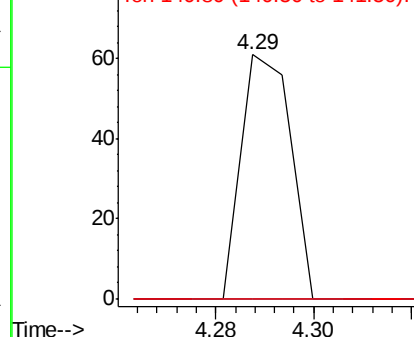
142 100

127 0.0 35.5 53.3#

141 0.0 11.8 17.8#



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: 27.206 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.18 min

Lab File: VW012385.D

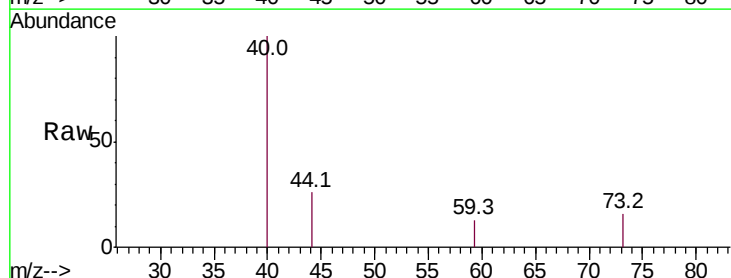
Acq: 31 Aug 2019 07:39

Tgt Ion: 59 Resp: 21

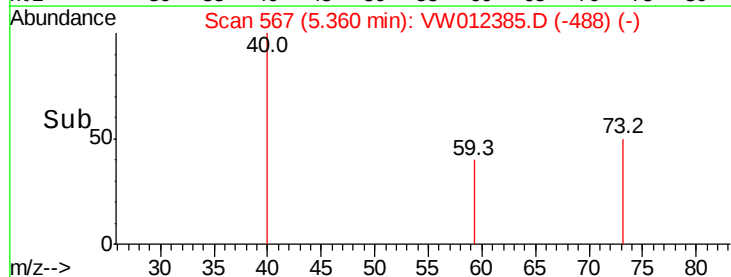
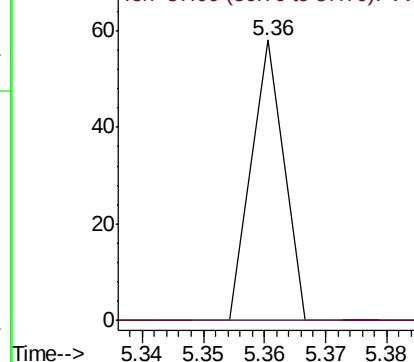
Ion Ratio Lower Upper

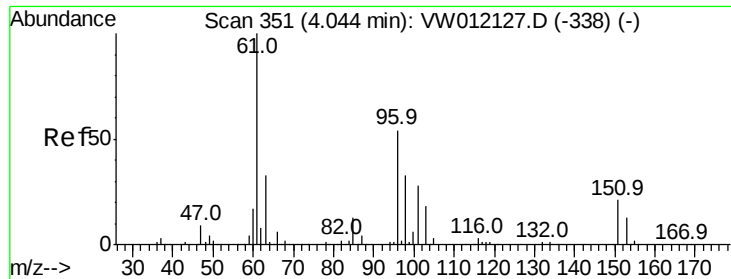
59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW
Ion 57.00 (56.70 to 57.70): VW





#12

1,1-Dichloroethene

Concen: 2.864 ug/l

RT: 3.92 min Scan# 331

Delta R.T. -0.12 min

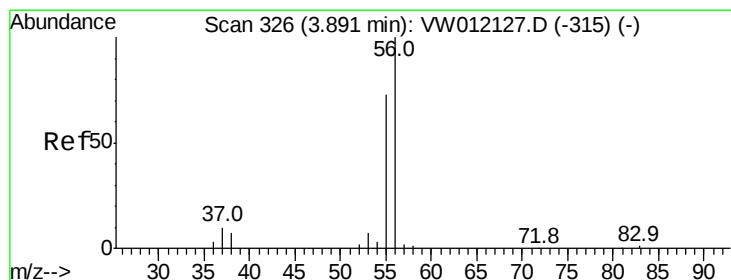
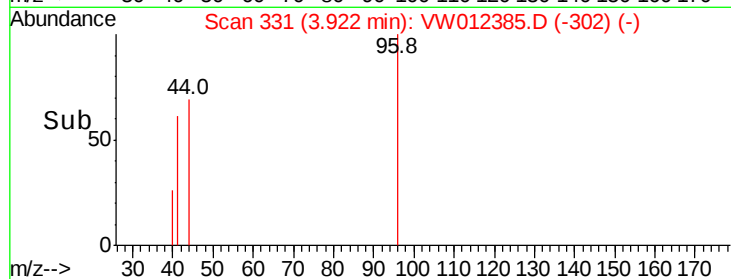
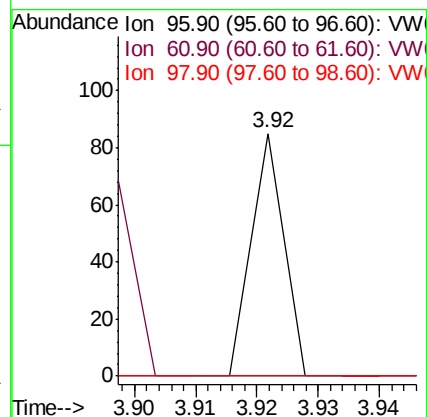
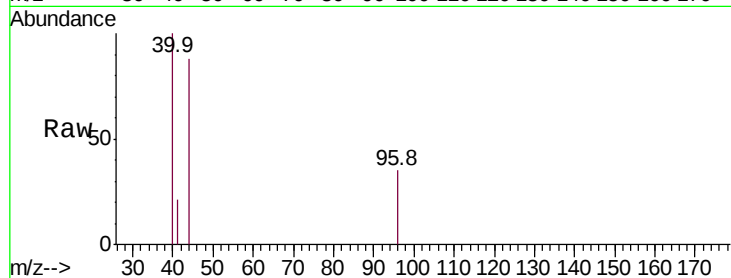
Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 31

Ion	Ratio	Lower	Upper
96	100		
61	0.0	149.1	223.7#
98	0.0	49.4	74.2#



#13

Acrolein

Concen: 39.911 ug/l

RT: 3.99 min Scan# 342

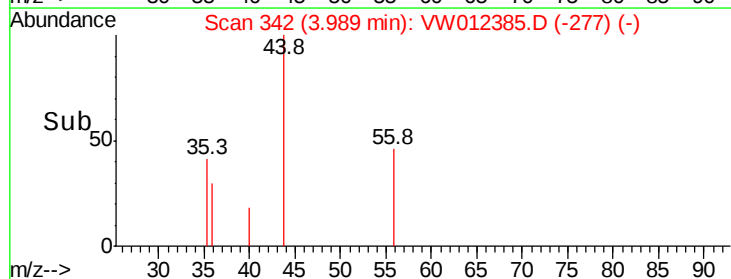
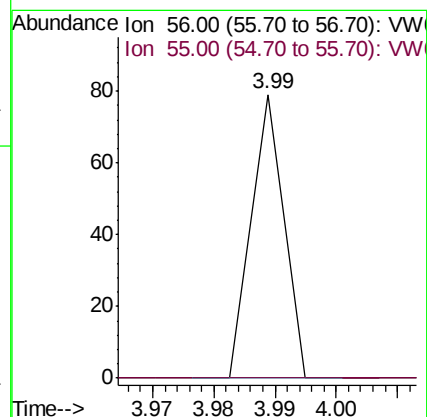
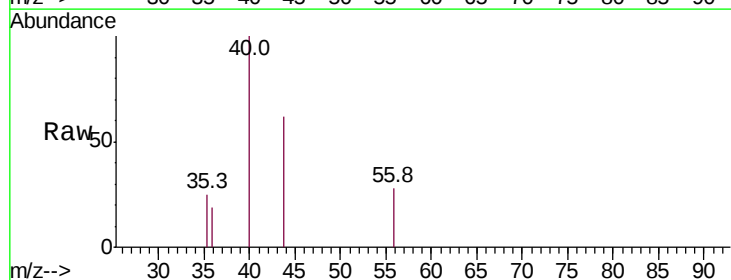
Delta R.T. 0.10 min

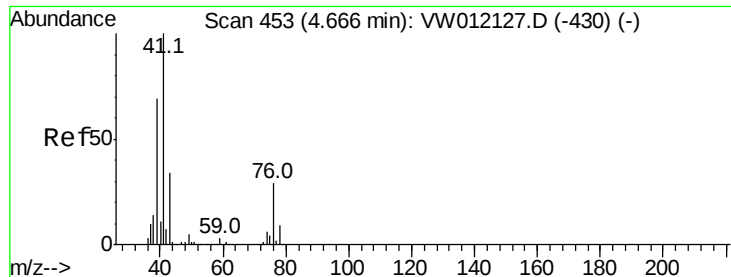
Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Tgt Ion: 56 Resp: 29

Ion	Ratio	Lower	Upper
56	100		
55	0.0	55.8	83.8#

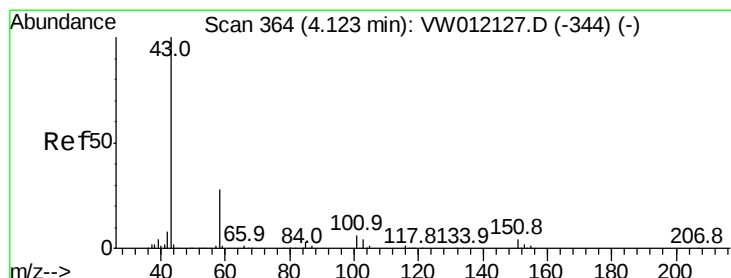
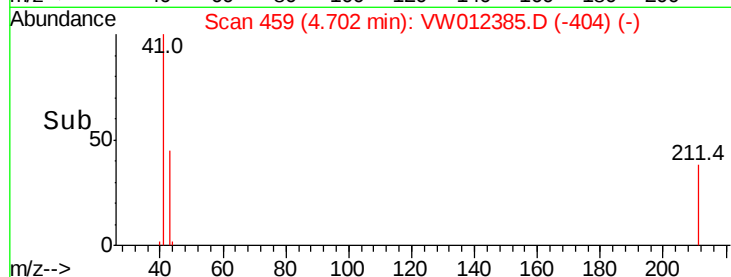
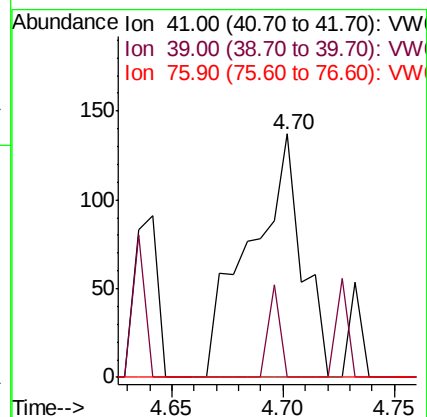
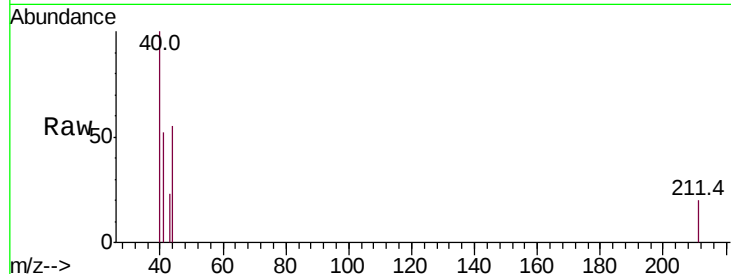




#14
Allvl chloride
Concen: 9.638 ug/l
RT: 4.70 min Scan# 459
Delta R.T. 0.04 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

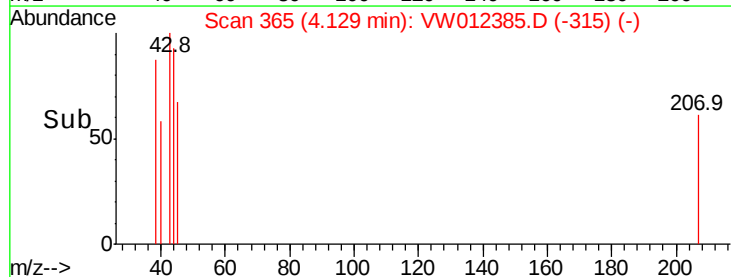
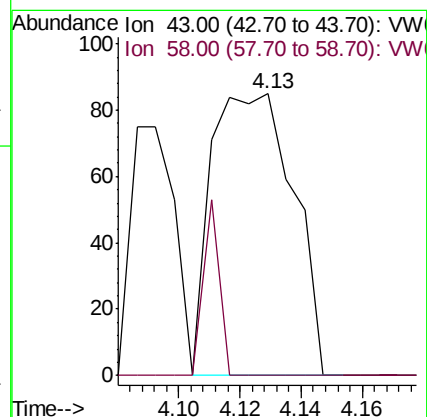
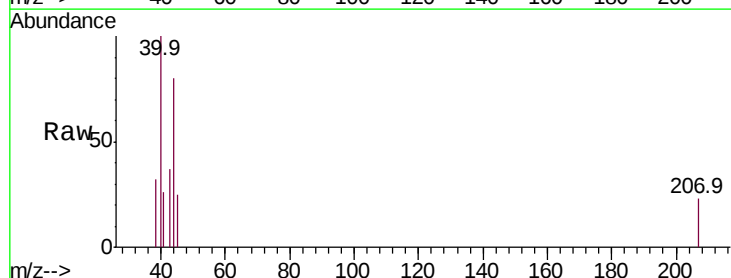
Instrument :
MSVOA_W
ClientSampleId :

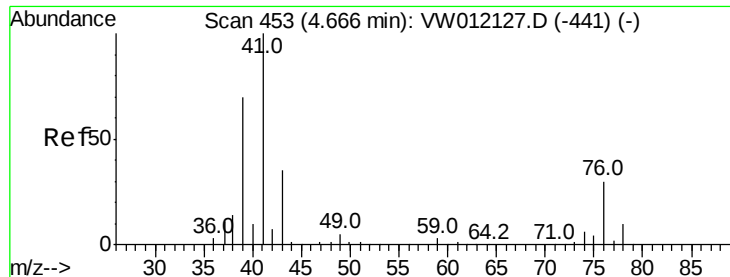
Tot Ion: 41 Resp: 223
Ion Ratio Lower Upper
41 100
39 8.5 53.4 80.2#
76 0.0 22.1 33.1#



#16
Acetone
Concen: 48.189 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

Tgt Ion: 43 Resp: 158
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#

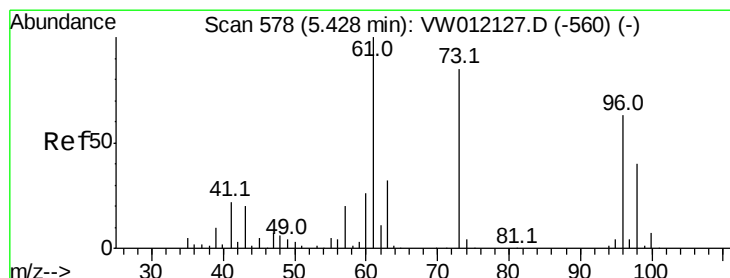
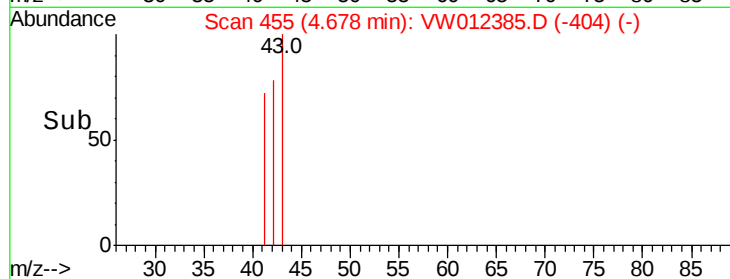
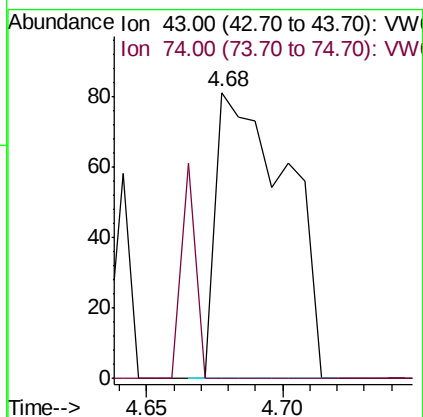
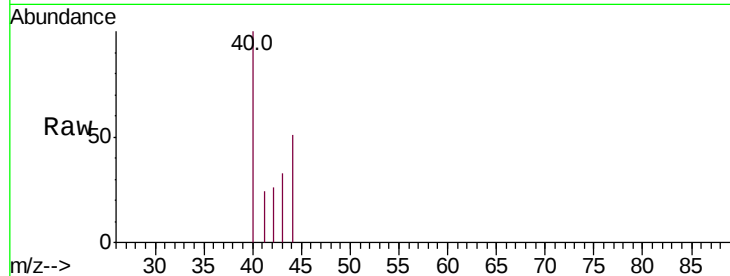




#18
Methyl Acetate
Concen: 17.978 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

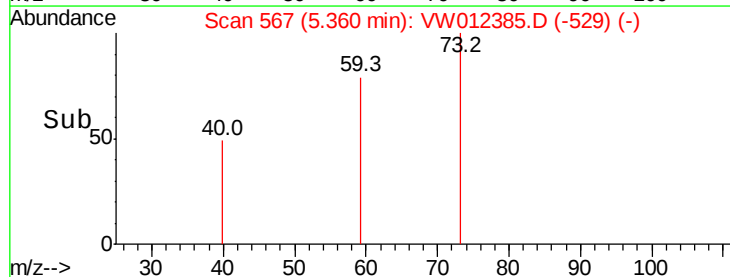
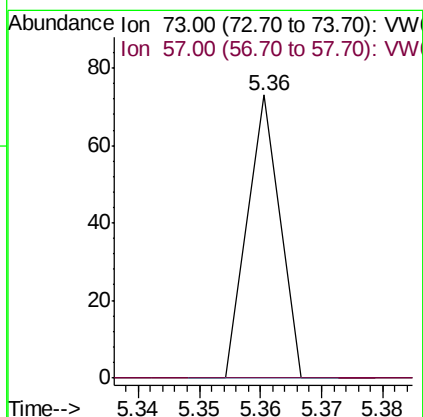
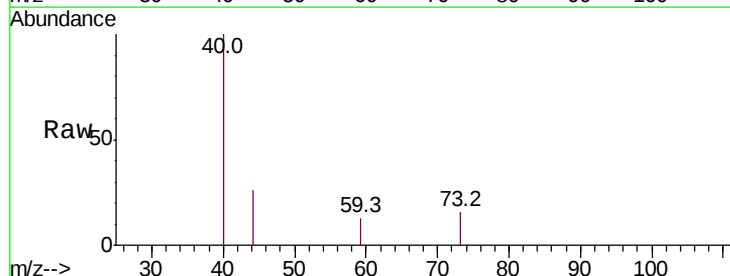
Instrument :
MSVOA_W
ClientSampled :

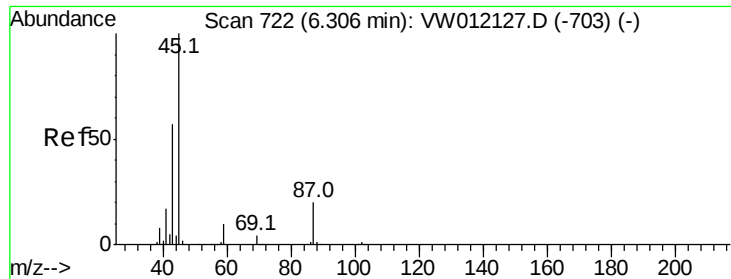
Tot Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
74 15.1 15.7 23.5#



#19
Methyl tert-butyl Ether
Concen: 1.543 ug/l
RT: 5.36 min Scan# 567
Delta R.T. -0.07 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

Tgt Ion: 73 Resp: 27
Ion Ratio Lower Upper
73 100
57 0.0 18.9 28.3#





#22

Diisopropyl ether

Concen: 1.003 ug/l

RT: 6.18 min Scan# 702

Delta R.T. -0.12 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 45 Resp: 43

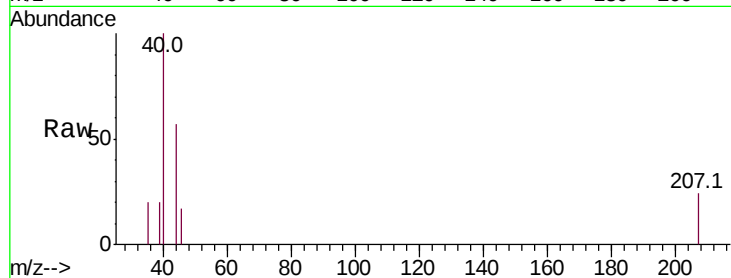
Ion Ratio Lower Upper

45 100

43 0.0 45.5 68.3#

87 0.0 16.1 24.1#

59 0.0 8.2 12.2#

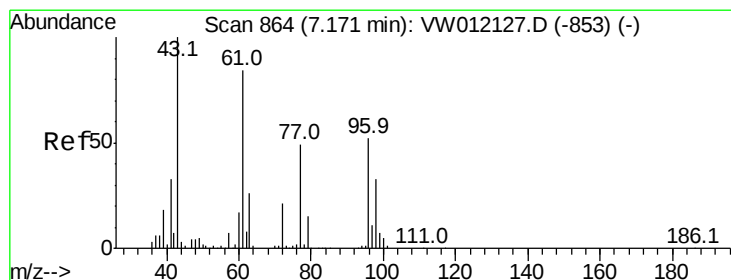
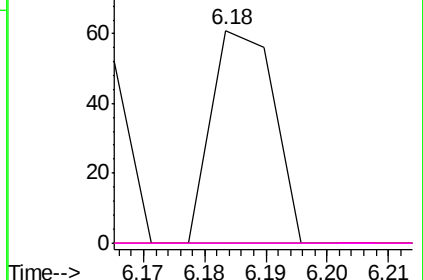
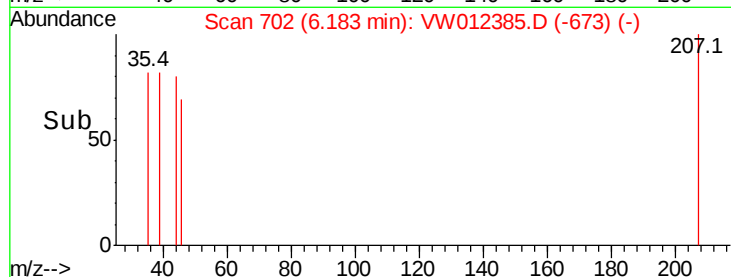


Abundance Ion 45.00 (44.70 to 45.70): VW

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



#25

2-Butanone

Concen: 4.938 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012385.D

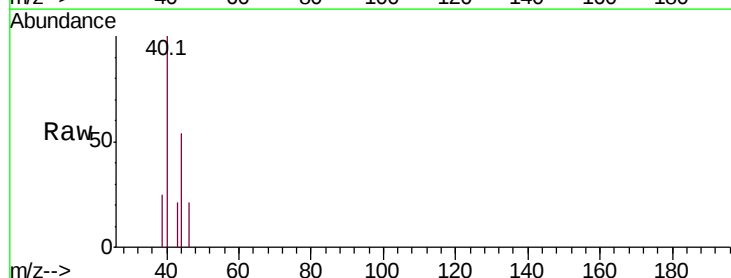
Acq: 31 Aug 2019 07:39

Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

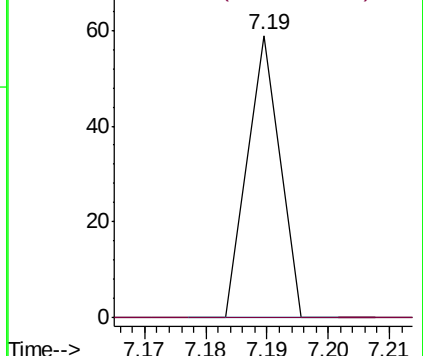
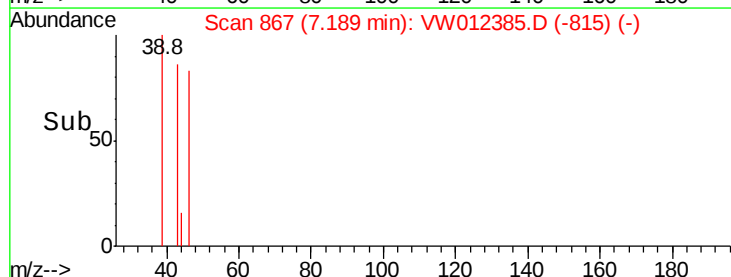
43 100

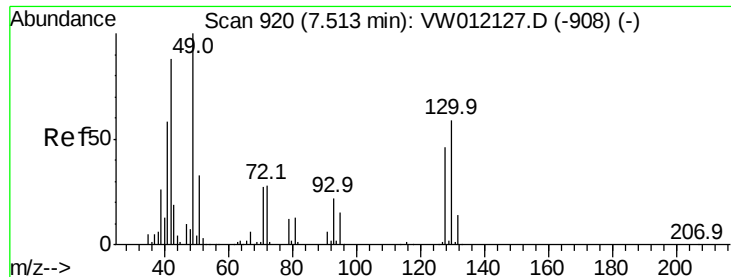
72 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#28

Bromochloromethane

Concen: 2.063 ug/l

RT: 7.59 min Scan# 933

Delta R.T. 0.08 min

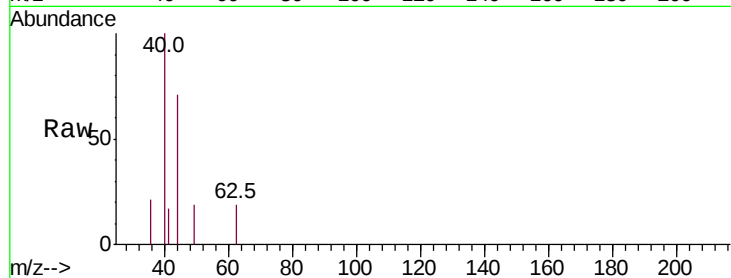
Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 49 Resp: 21

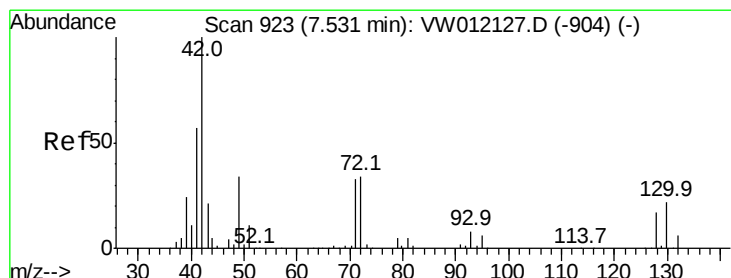
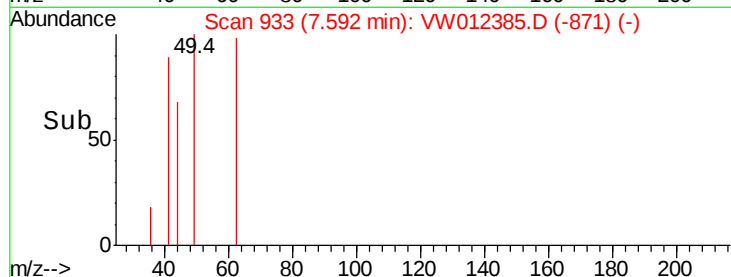
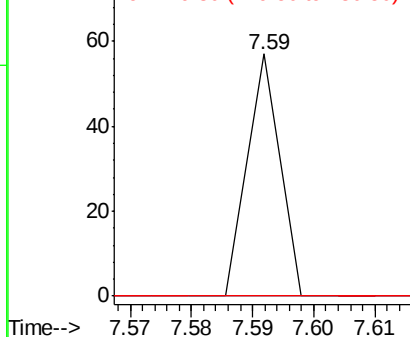
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	0.0	45.5	68.3#



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: 14.590 ug/l

RT: 7.55 min Scan# 926

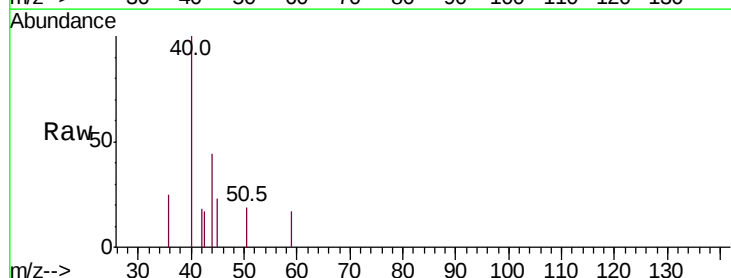
Delta R.T. 0.02 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Tgt Ion: 42 Resp: 39

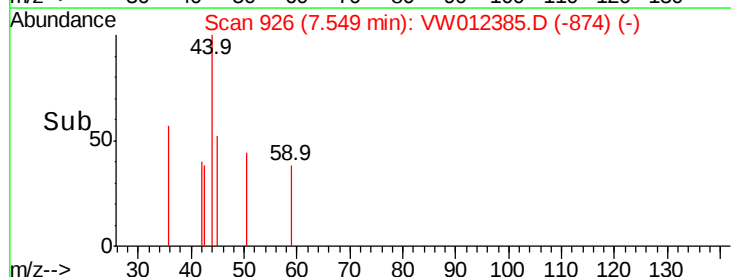
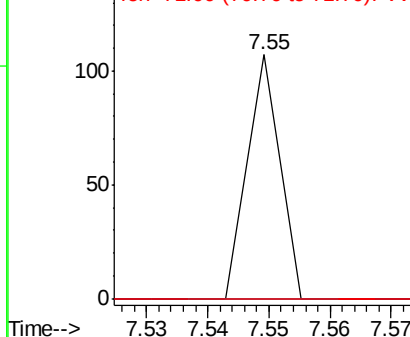
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.3	40.9#
71	0.0	25.5	38.3#

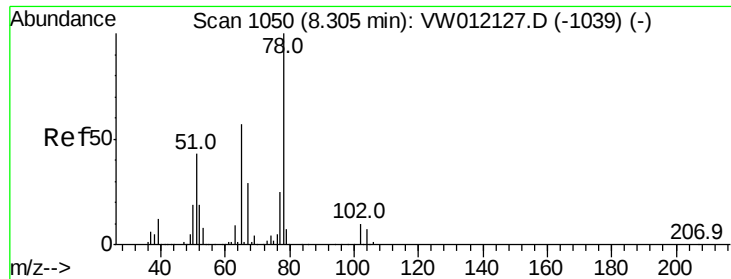


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#33

1,2-Dichloroethane-d4

Concen: 71.102 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

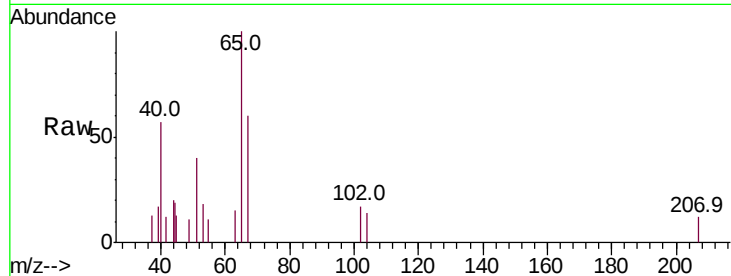
ClientSampled :

Tot Ion: 65 Resp: 912

Ion Ratio Lower Upper

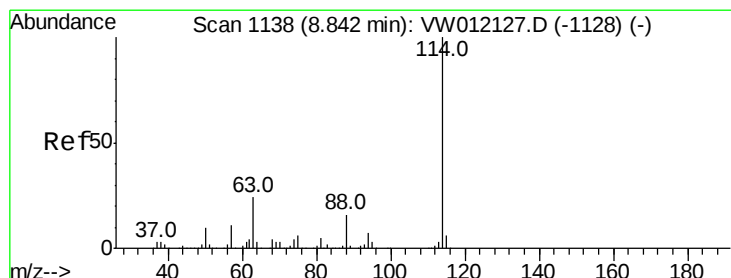
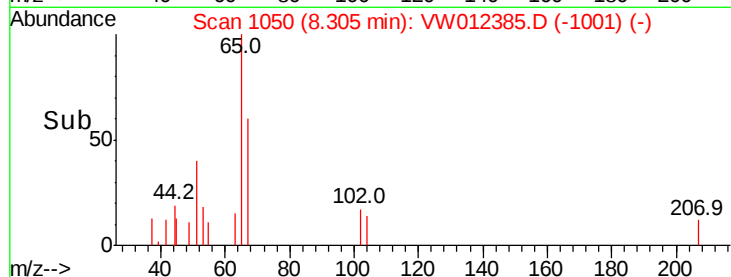
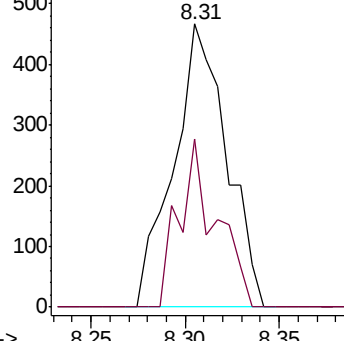
65 100

67 41.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

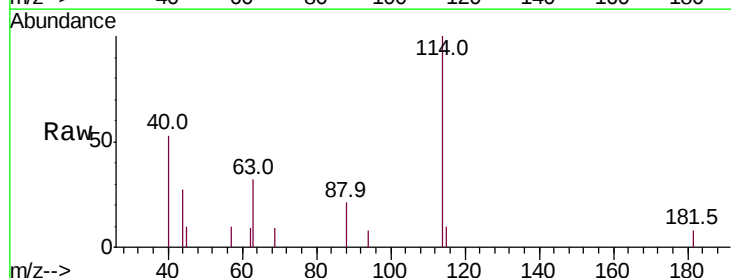
Tgt Ion: 114 Resp: 1381

Ion Ratio Lower Upper

114 100

63 32.2 0.0 48.6

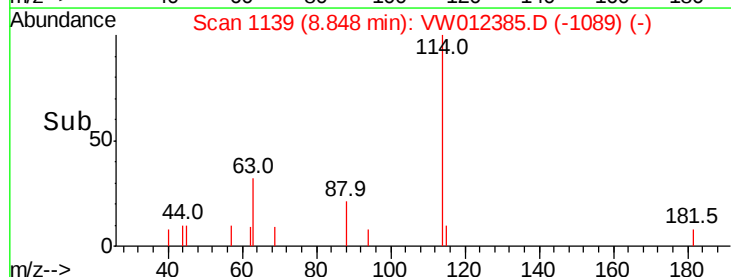
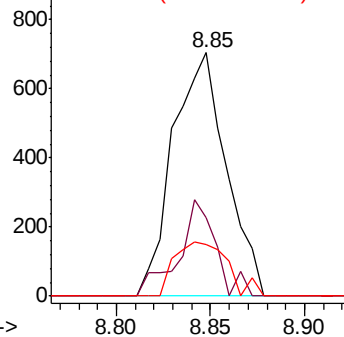
88 21.4 0.0 32.2

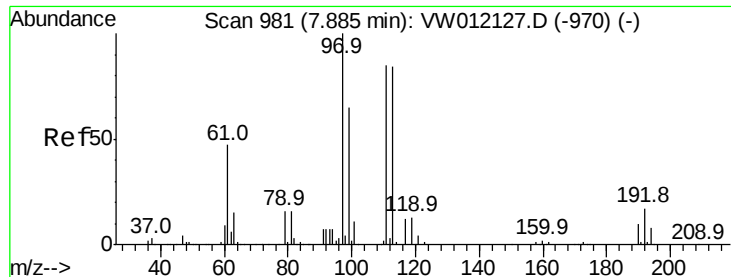


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 71.695 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

ClientSampled :

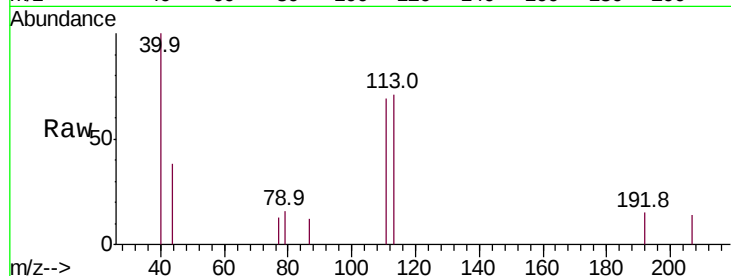
Tot Ion:113 Resp: 591

Ion Ratio Lower Upper

113 100

111 64.1 82.7 124.1#

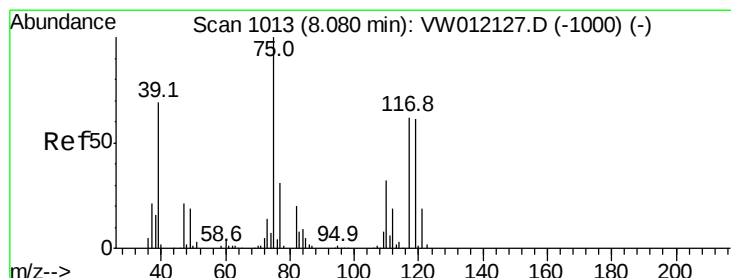
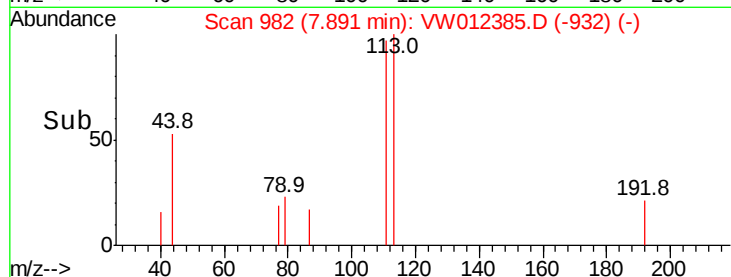
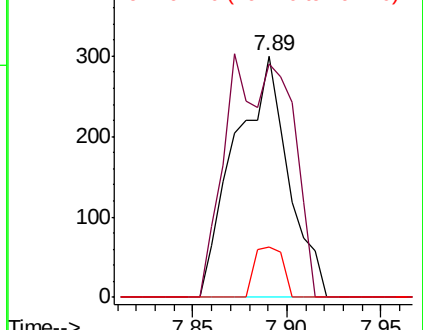
192 11.0 16.2 24.2#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.542 ug/l

RT: 8.20 min Scan# 1032

Delta R.T. 0.12 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

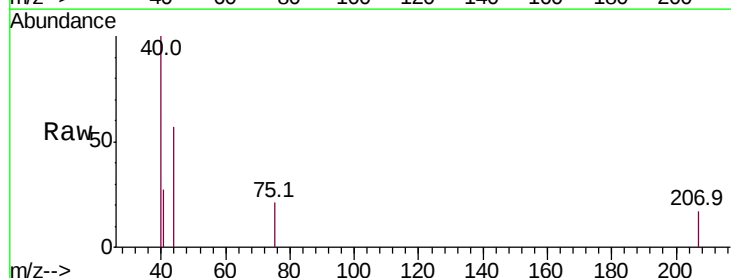
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

110 0.0 15.6 46.8#

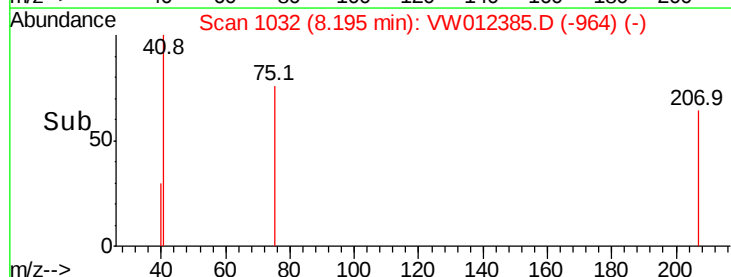
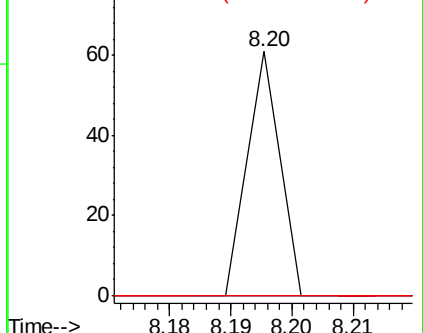
77 0.0 24.6 36.8#

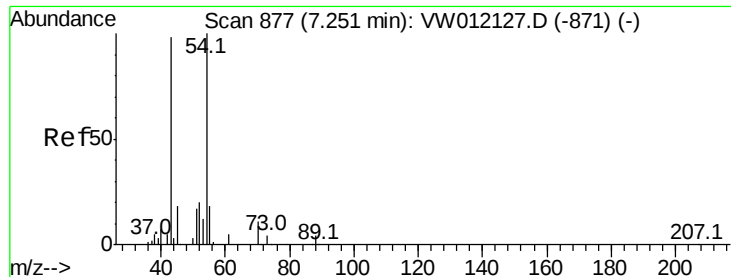


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 9.718 ug/l

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

ClientSampleId :

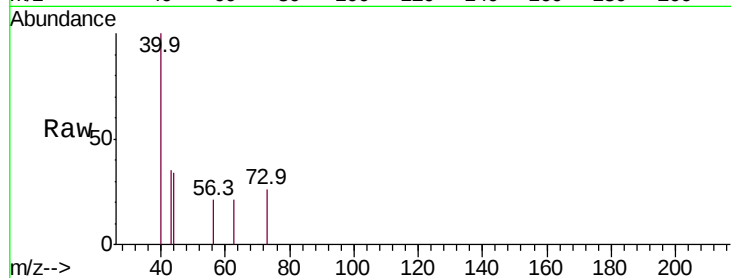
Tot Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

61 0.0 9.2 13.8#

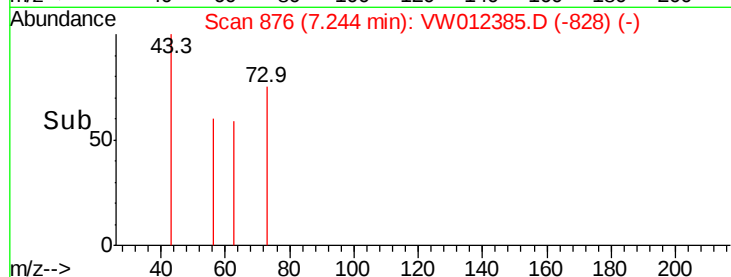
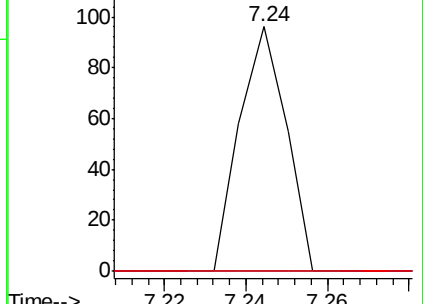
70 0.0 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 1.538 ug/l

RT: 7.93 min Scan# 989

Delta R.T. -0.13 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

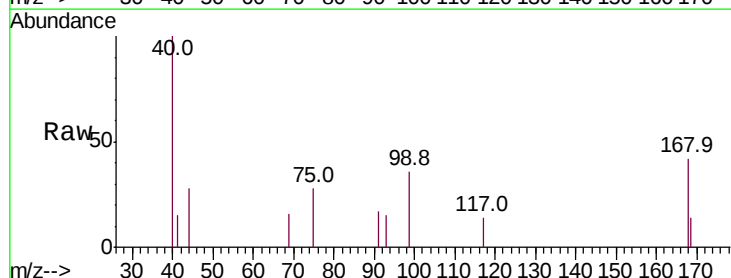
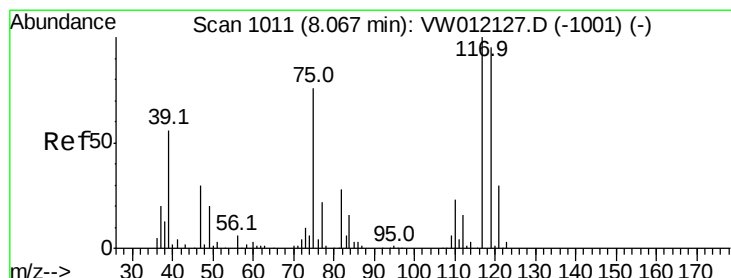
Tgt Ion: 117 Resp: 19

Ion Ratio Lower Upper

117 100

119 0.0 76.2 114.2#

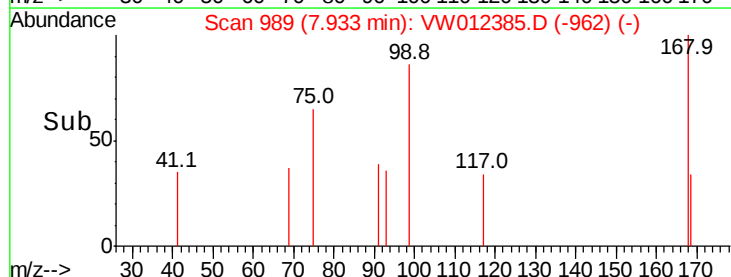
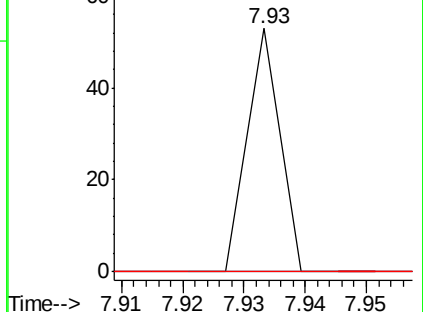
121 0.0 23.8 35.8#

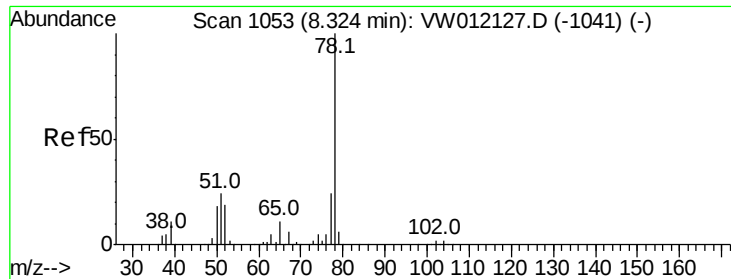


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.180 ug/l

RT: 8.34 min Scan# 1056

Delta R.T. 0.02 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

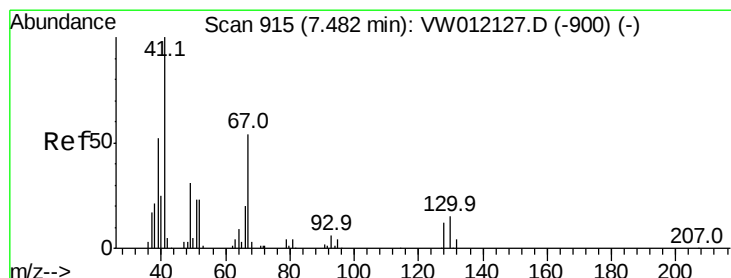
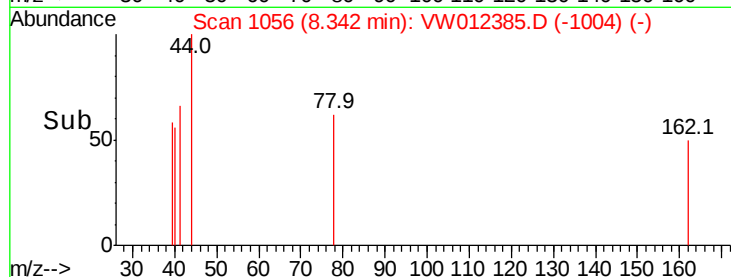
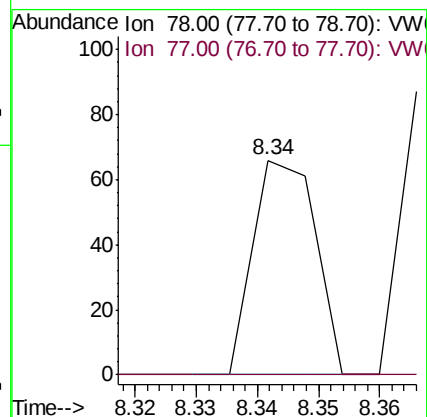
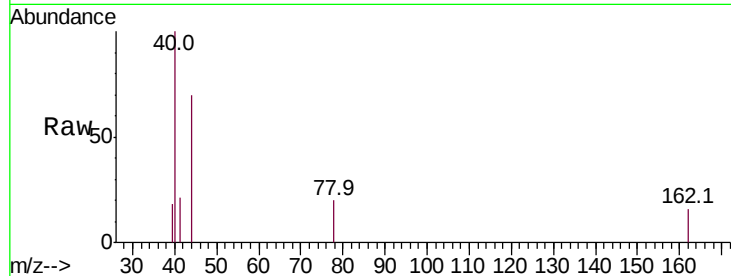
ClientSampleId :

Tot Ion: 78 Resp: 46

Ion Ratio Lower Upper

78 100

77 0.0 19.5 29.3#



#41

Methacrylonitrile

Concen: 4.786 ug/l

RT: 7.56 min Scan# 928

Delta R.T. 0.08 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Tgt Ion: 41 Resp: 22

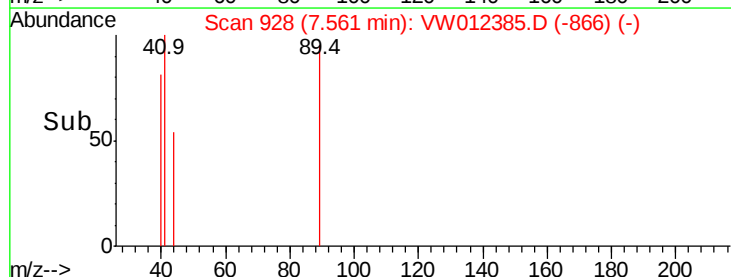
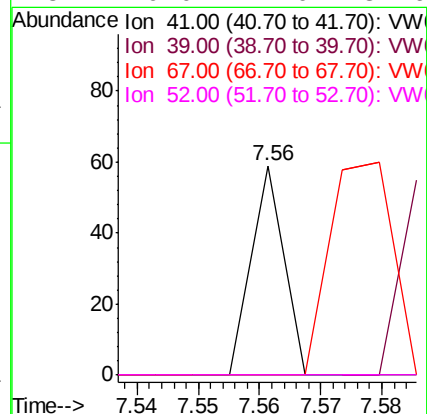
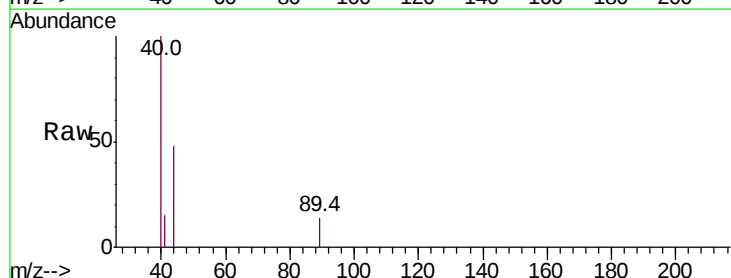
Ion Ratio Lower Upper

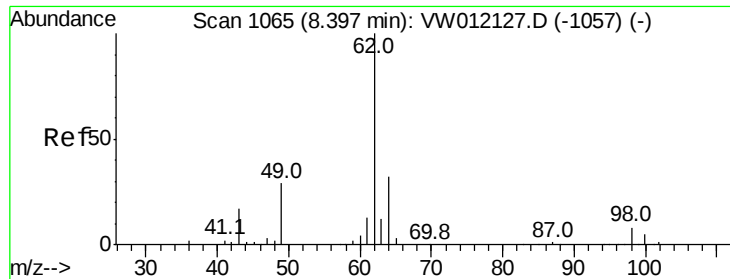
41 100

39 0.0 45.8 68.8#

67 0.0 46.2 69.4#

52 0.0 21.0 31.6#





#42

1,2-Dichloroethane

Concen: 1.801 ug/l

RT: 8.20 min Scan# 1033

Delta R.T. -0.20 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

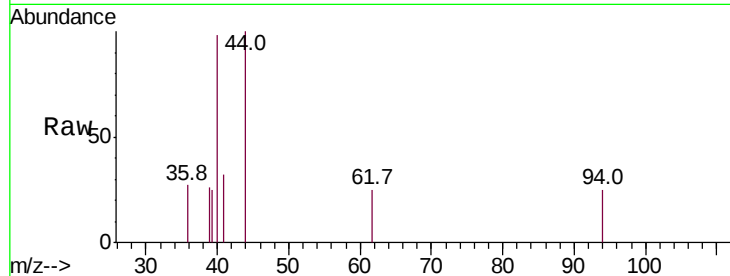
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 22

Ion Ratio Lower Upper

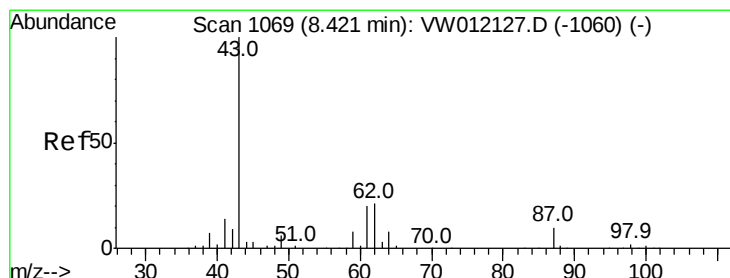
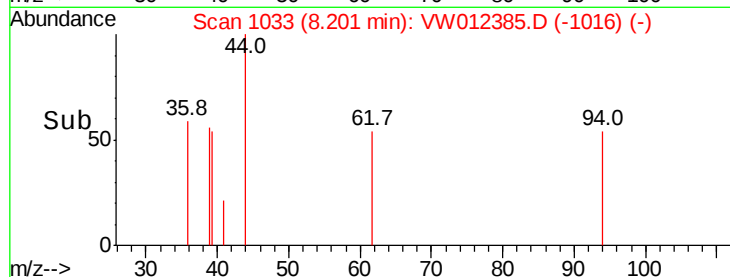
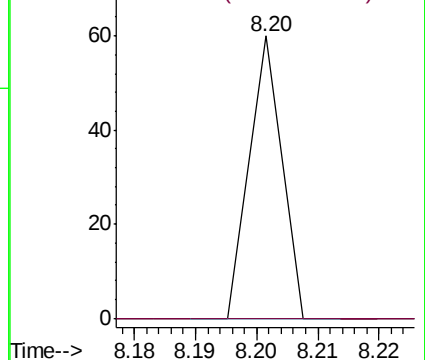
62 100

98 0.0 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 1.726 ug/l

RT: 8.48 min Scan# 1078

Delta R.T. 0.05 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

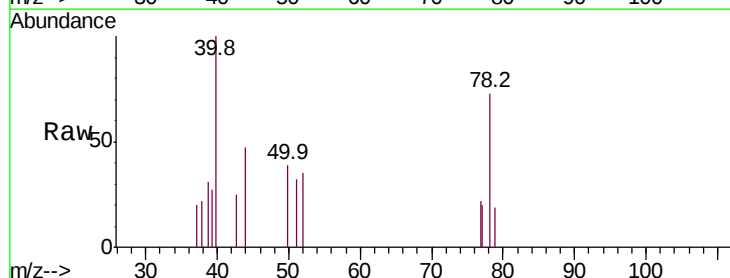
Tgt Ion: 43 Resp: 25

Ion Ratio Lower Upper

43 100

61 0.0 21.1 31.7#

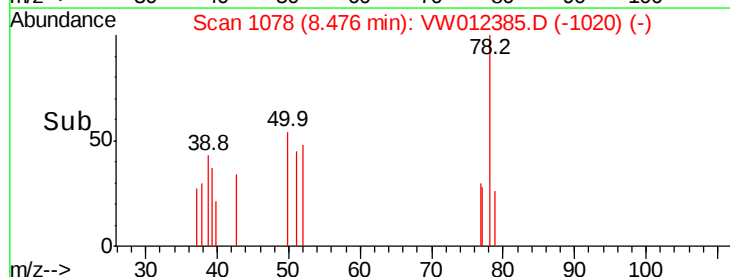
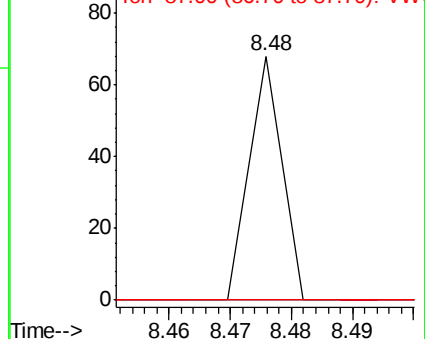
87 0.0 8.2 12.2#

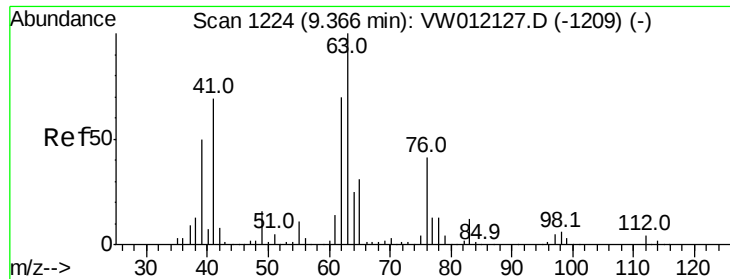


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#45

1,2-Dichloropropane

Concen: 2.288 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.02 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

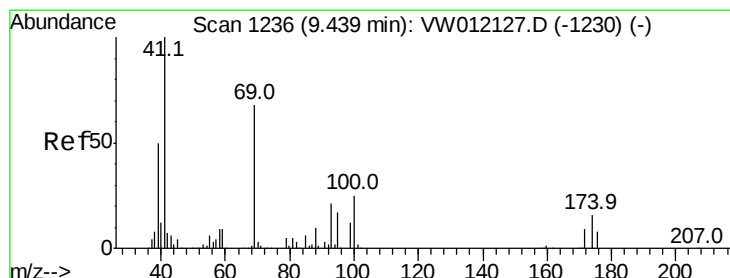
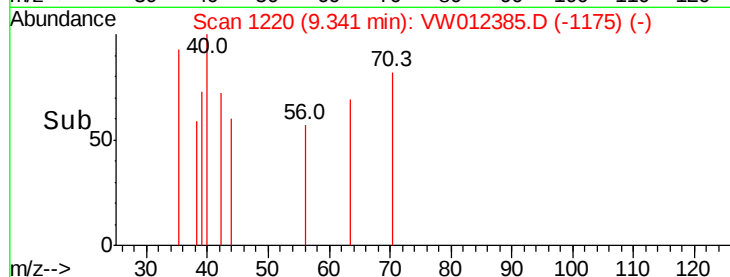
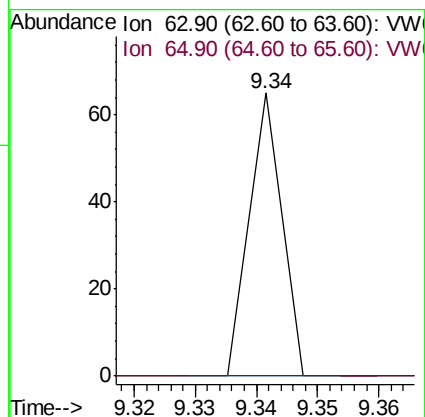
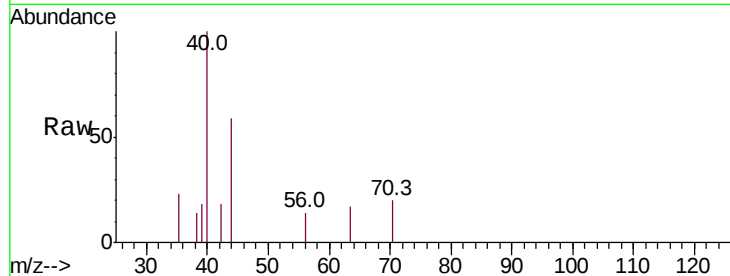
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 24

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



#48

Methyl methacrylate

Concen: 8.993 ug/l

RT: 9.49 min Scan# 1244

Delta R.T. 0.05 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

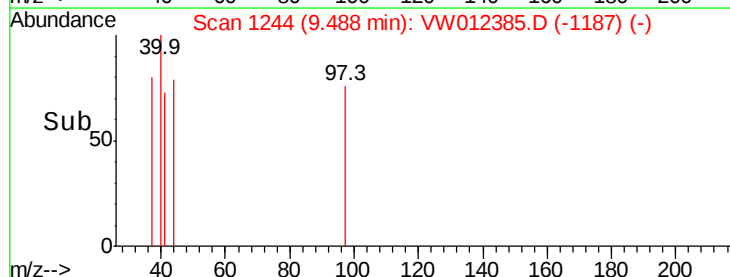
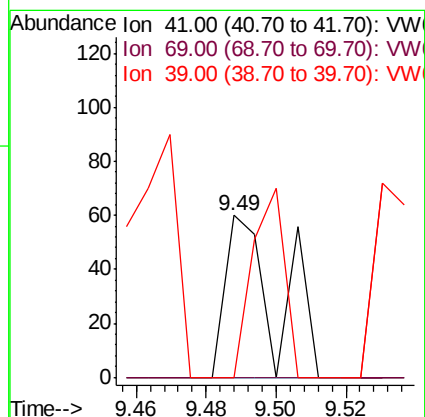
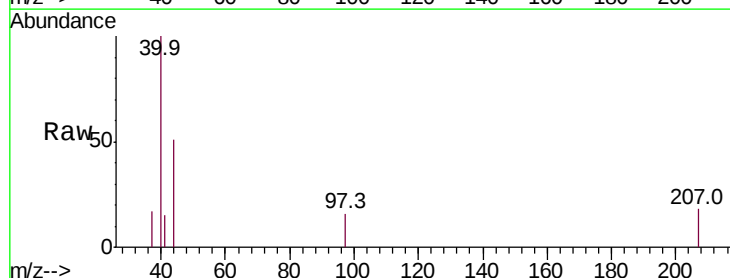
Tgt Ion: 41 Resp: 62

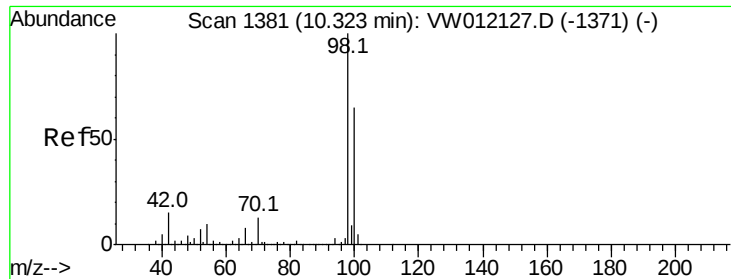
Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 71.0 42.0 63.0#

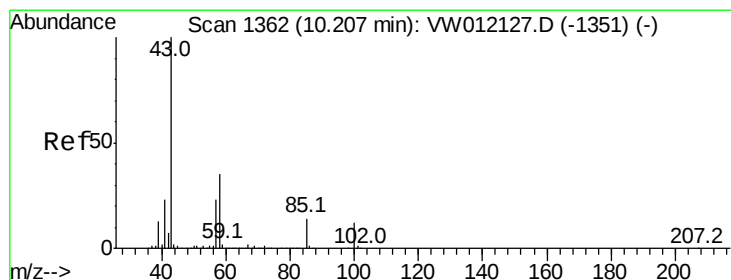
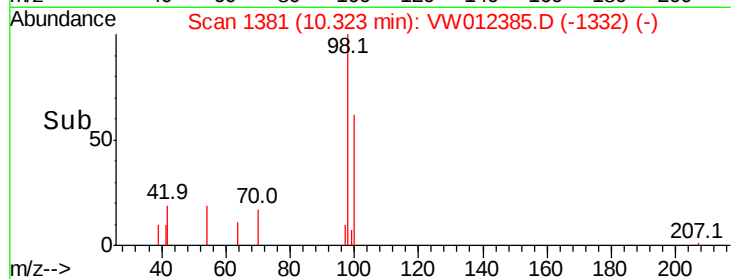
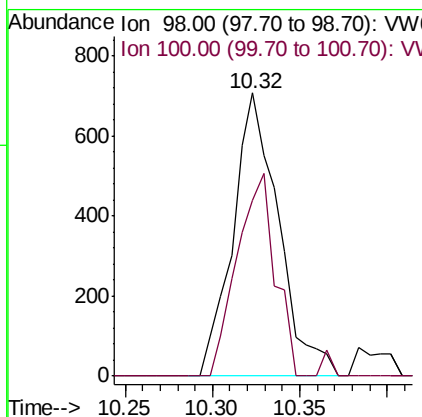
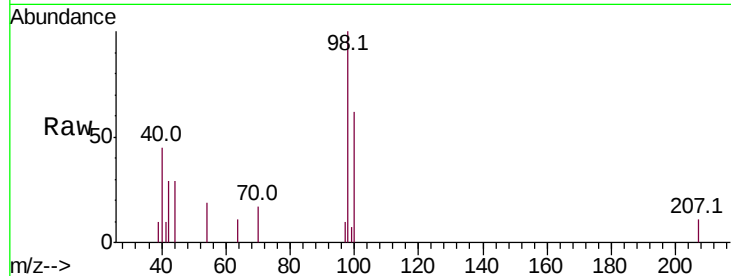




#50
Toluene-d8
Concen: 38.535 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

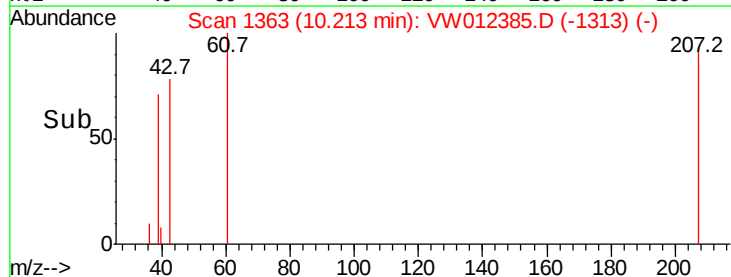
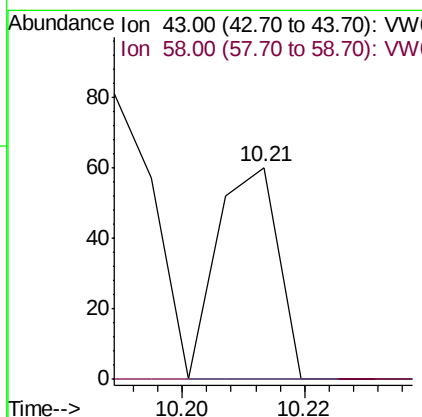
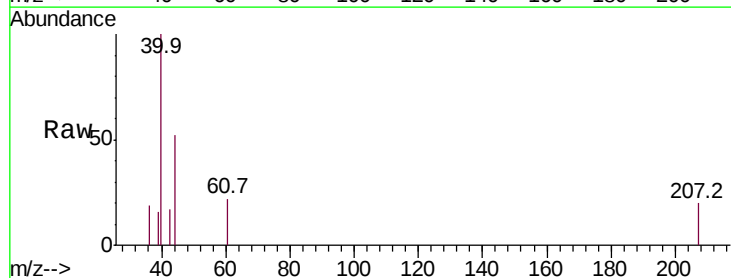
Instrument :
MSVOA_W
ClientSampleId :

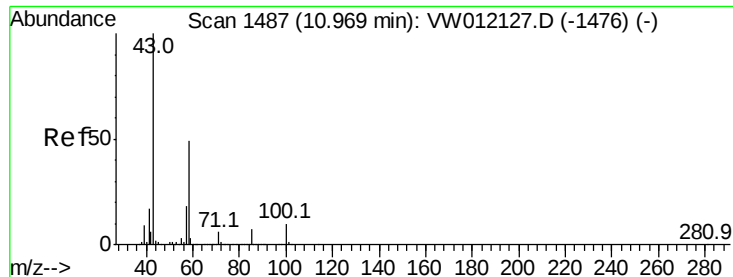
Tot Ion: 98 Resp: 1288
Ion Ratio Lower Upper
98 100
100 59.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 5.565 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

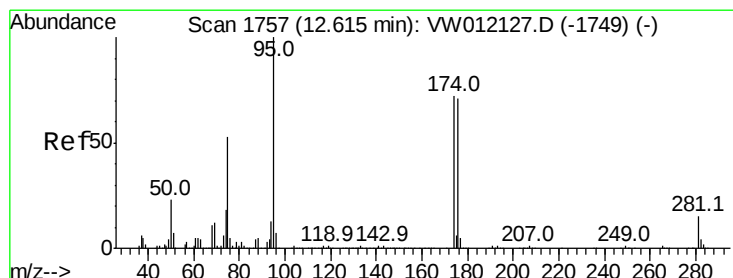
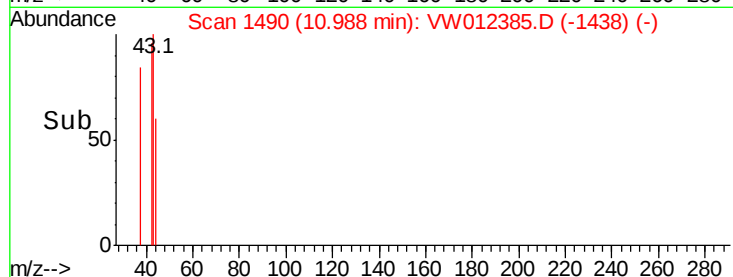
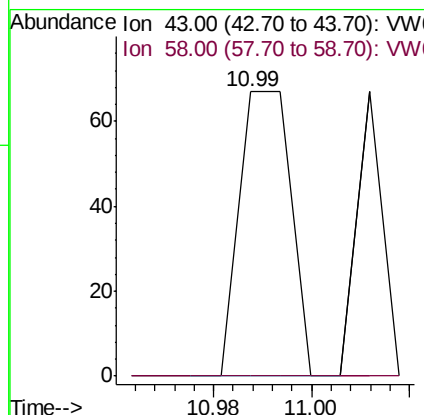
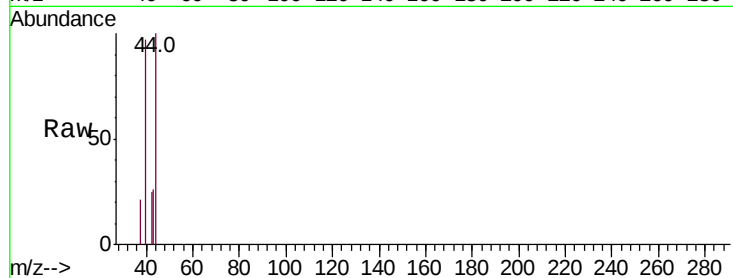




#59
2-Hexanone
Concen: 9.399 ug/l
RT: 10.99 min Scan# 1490
Delta R.T. 0.02 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

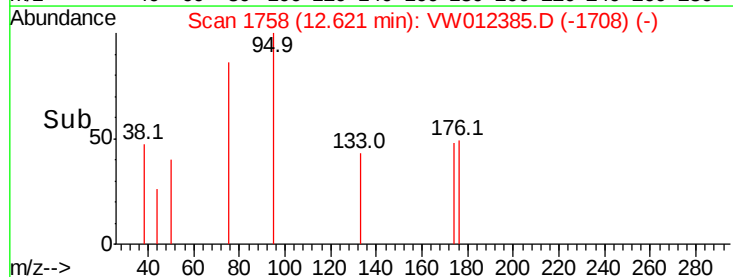
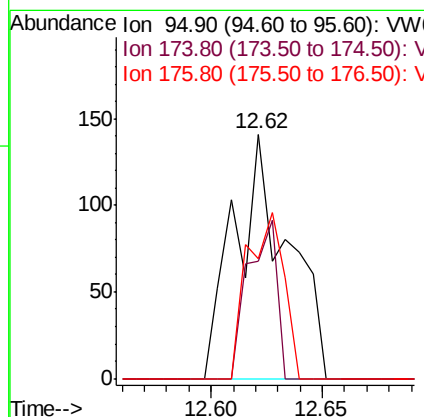
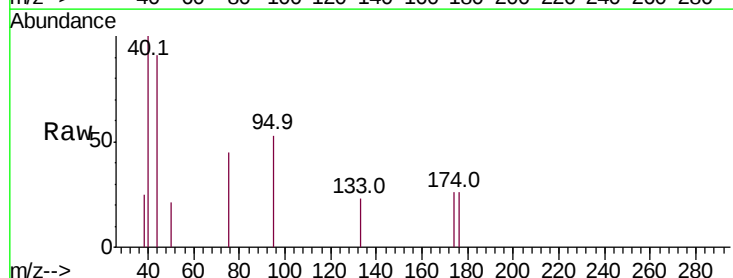
Instrument :
MSVOA_W
ClientSampled :

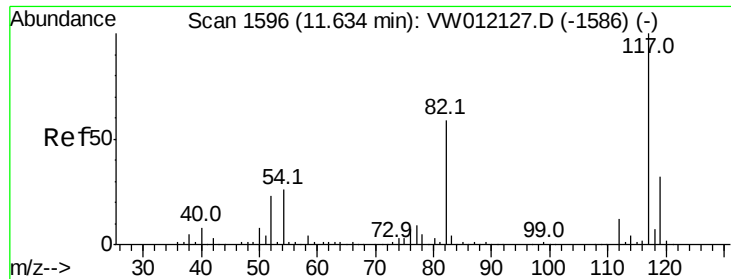
Tot Ion: 43 Resp: 49
Ion Ratio Lower Upper
43 100
58 0.0 24.3 72.9#



#62
4-Bromofluorobenzene
Concen: 19.691 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

Tgt Ion: 95 Resp: 232
Ion Ratio Lower Upper
95 100
174 35.3 0.0 150.8
176 47.4 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

ClientSampled :

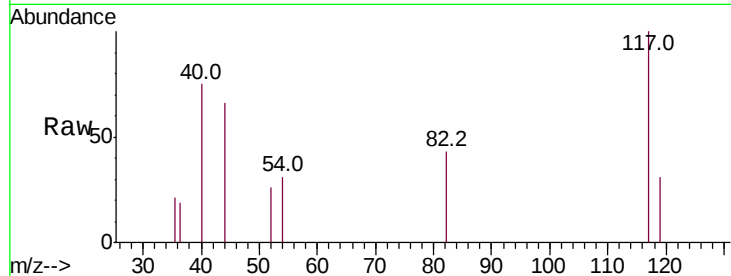
Tot Ion:117 Resp: 572

Ion Ratio Lower Upper

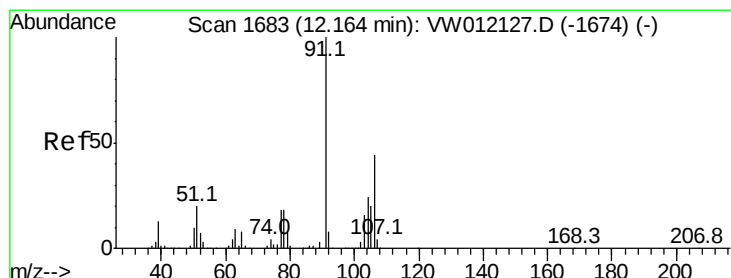
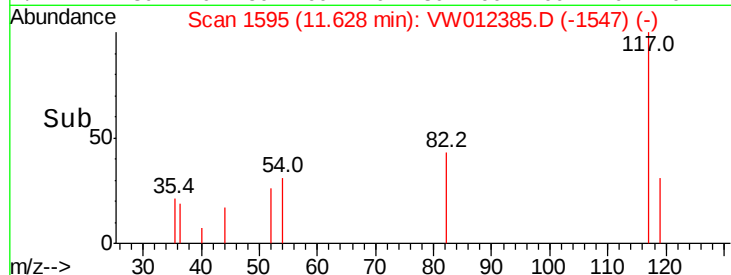
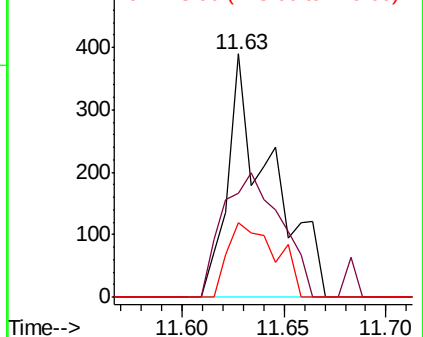
117 100

82 42.8 47.4 71.2#

119 30.5 25.4 38.2



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



#69

o-Xylene

Concen: 2.765 ug/l

RT: 12.32 min Scan# 1709

Delta R.T. 0.16 min

Lab File: VW012385.D

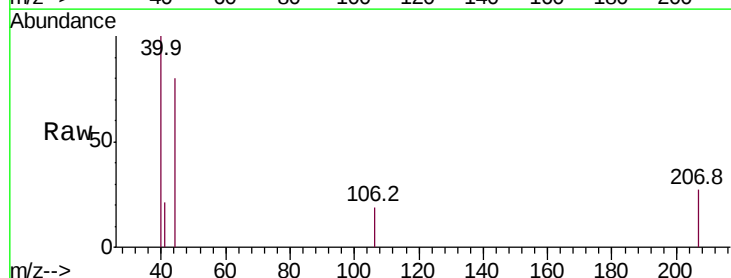
Acq: 31 Aug 2019 07:39

Tgt Ion:106 Resp: 20

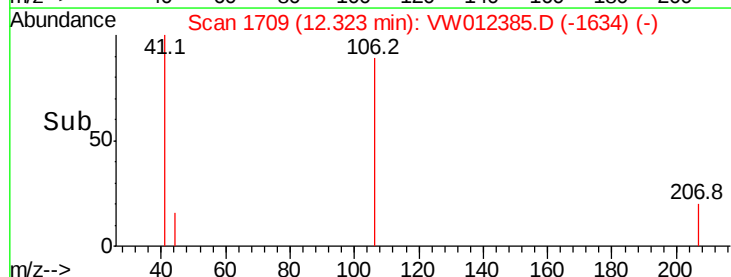
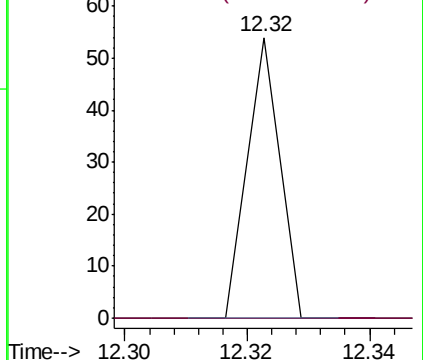
Ion Ratio Lower Upper

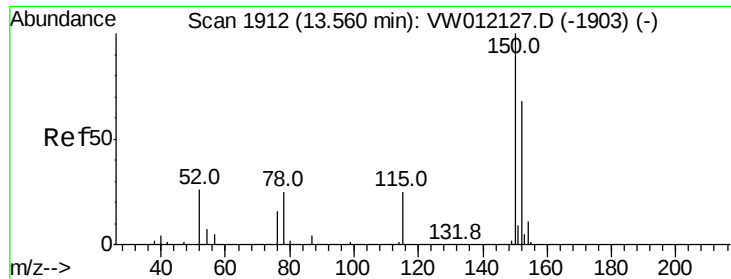
106 100

91 0.0 111.6 334.6#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

ClientSampled :

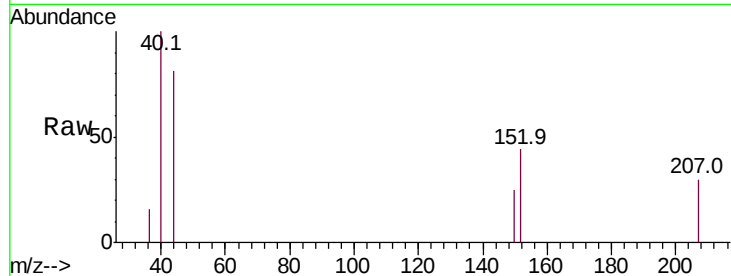
Tot Ion:152 Resp: 122

Ion Ratio Lower Upper

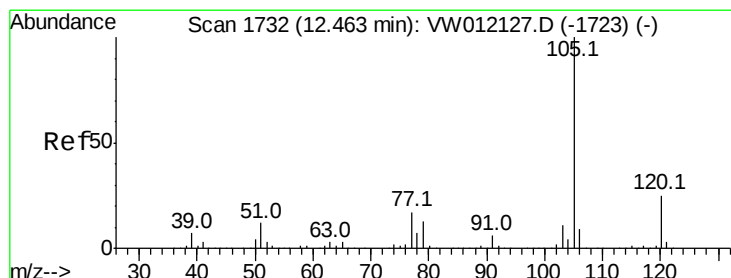
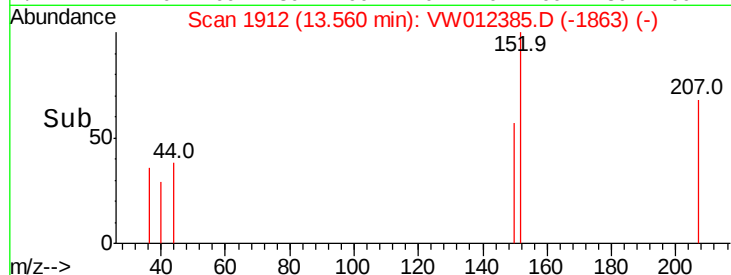
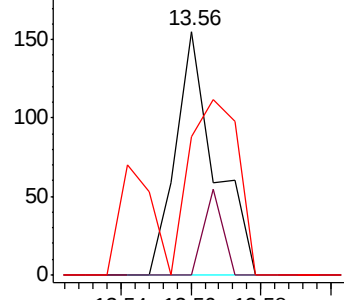
152 100

115 16.4 30.1 90.3#

150 89.3 0.0 345.8



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: 2.516 ug/l

RT: 12.40 min Scan# 1721

Delta R.T. -0.07 min

Lab File: VW012385.D

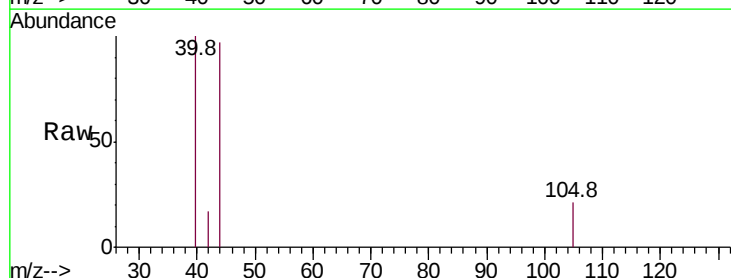
Acq: 31 Aug 2019 07:39

Tgt Ion:105 Resp: 23

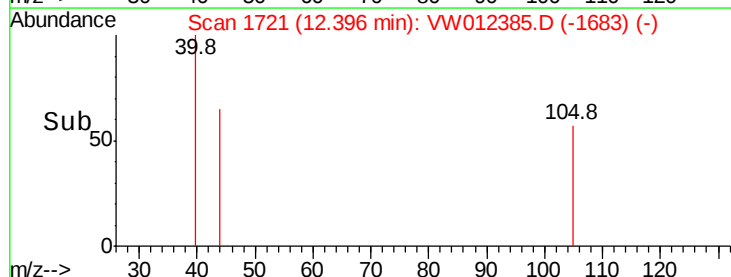
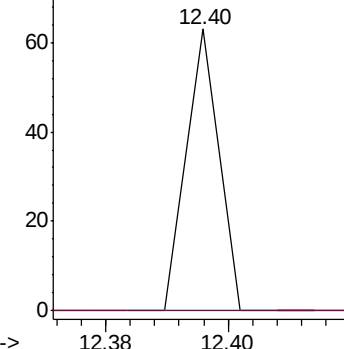
Ion Ratio Lower Upper

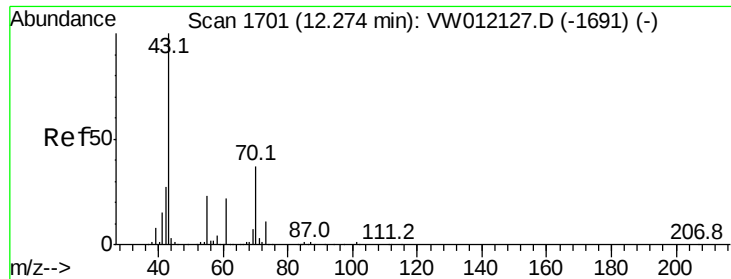
105 100

120 0.0 12.5 37.5#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 7.965 ug/l

RT: 12.24 min Scan# 1696

Delta R.T. -0.03 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 22

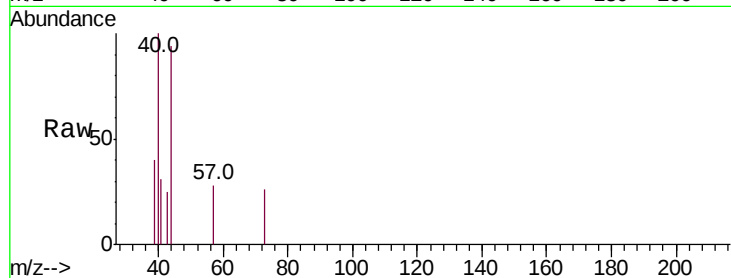
Ion Ratio Lower Upper

43 100

70 0.0 28.6 43.0#

55 0.0 17.8 26.6#

61 0.0 17.3 25.9#

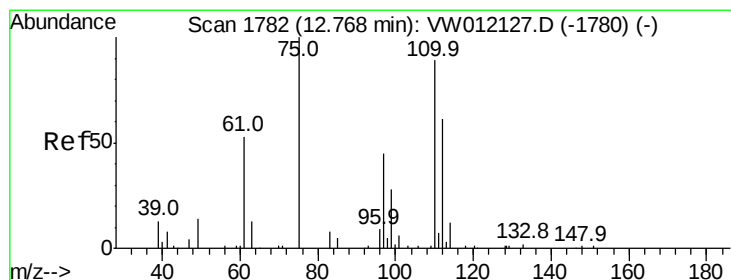
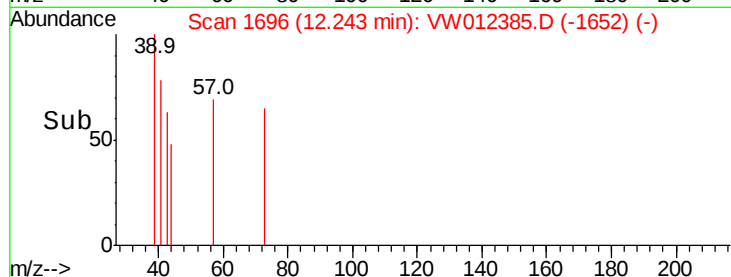
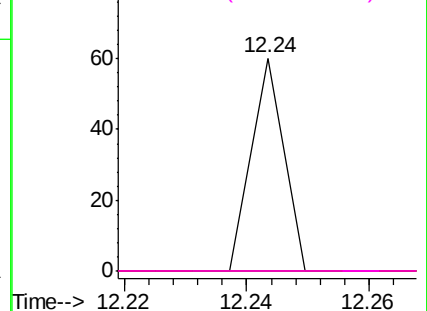


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#76

1,2,3-Trichloropropane

Concen: 77.428 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW012385.D

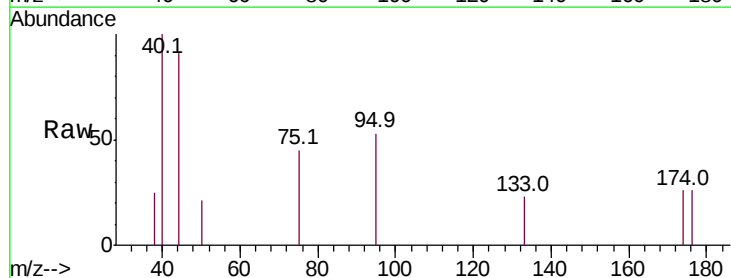
Acq: 31 Aug 2019 07:39

Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

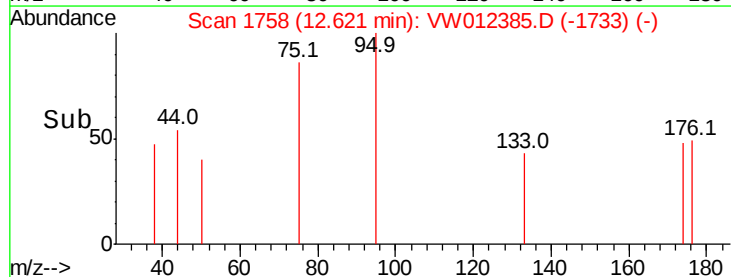
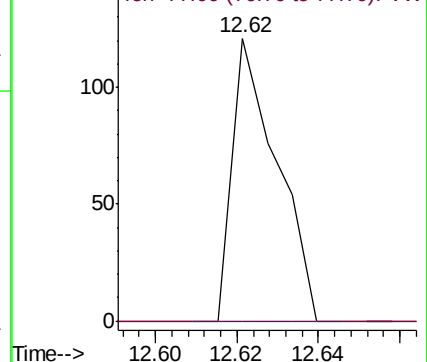
75 100

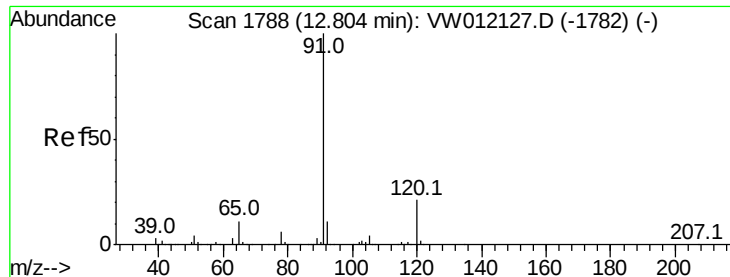
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#78

n-propylbenzene

Concen: 1.792 ug/l

RT: 12.57 min Scan# 1749

Delta R.T. -0.24 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

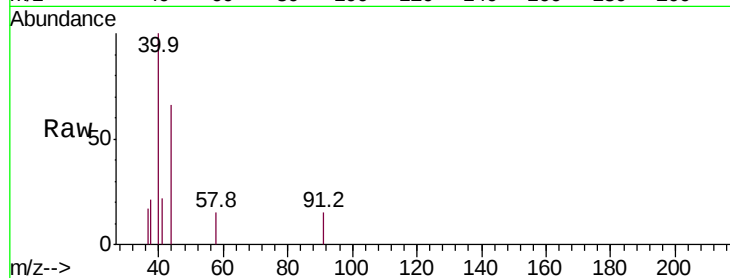
ClientSampleId :

Tot Ion: 91 Resp: 20

Ion Ratio Lower Upper

91 100

120 0.0 10.5 31.6#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): VW

12.57

60

50

40

30

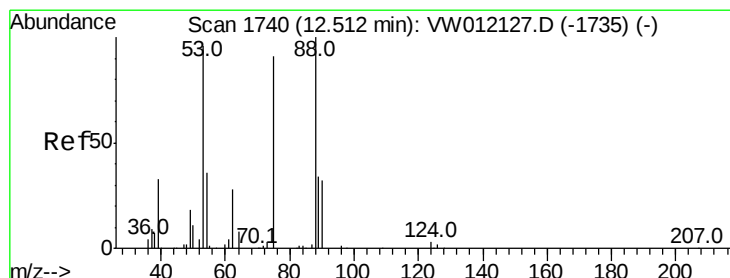
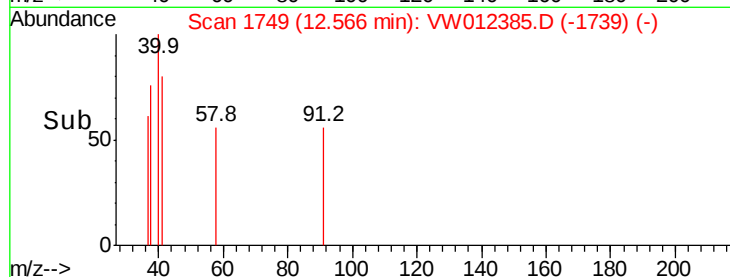
20

10

0

12.56 12.58

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 169.765 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

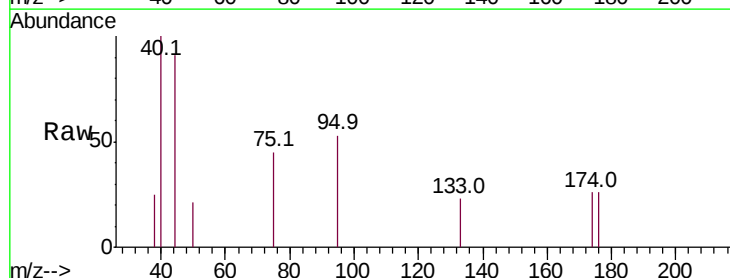
Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

53 0.0 89.4 134.0#

89 0.0 34.5 51.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

150

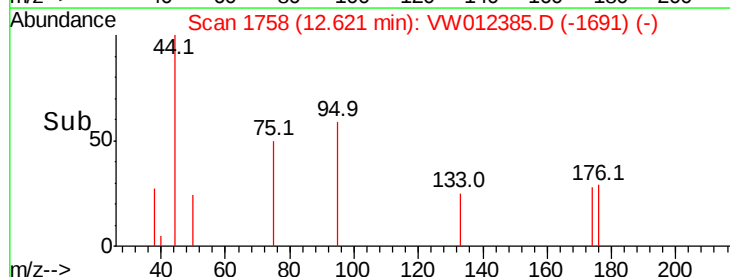
100

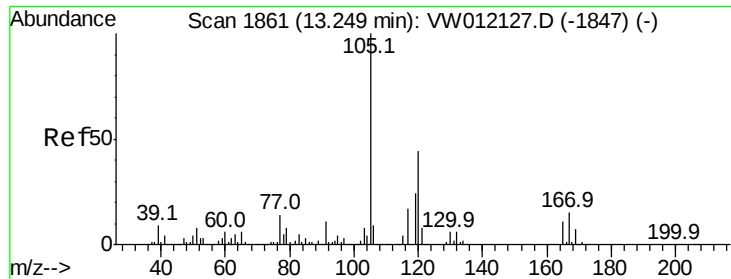
50

0

12.60 12.62 12.64

Time-->

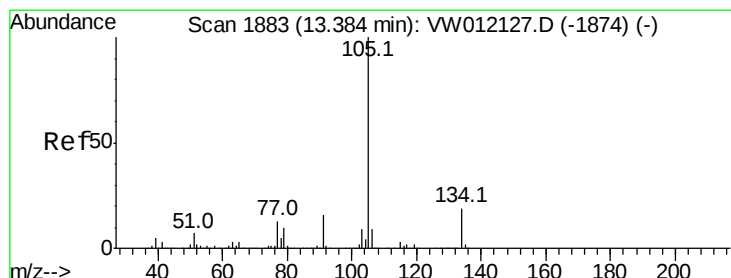
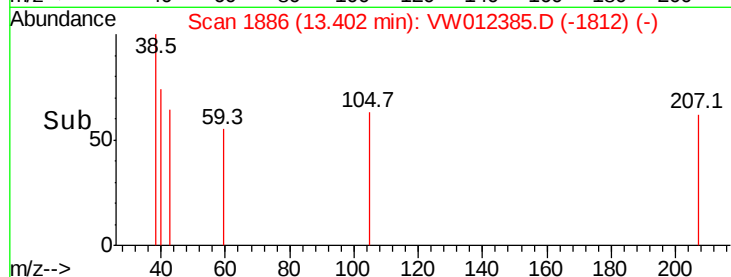
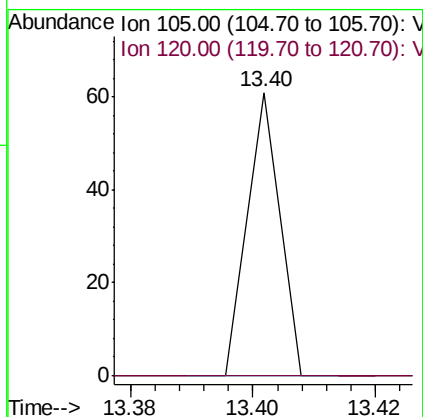
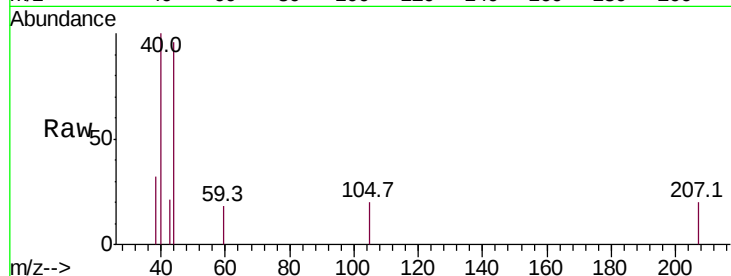




#84
1,2,4-Trimethylbenzene
Concen: 2.867 ug/l
RT: 13.40 min Scan# 1886
Delta R.T. 0.15 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

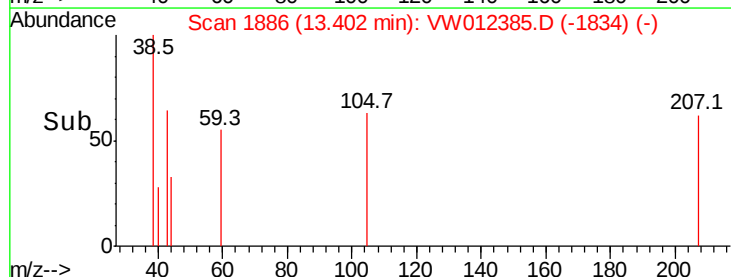
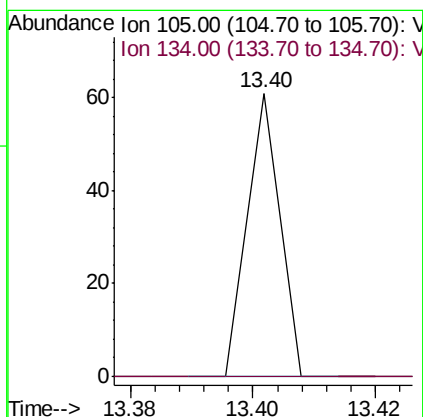
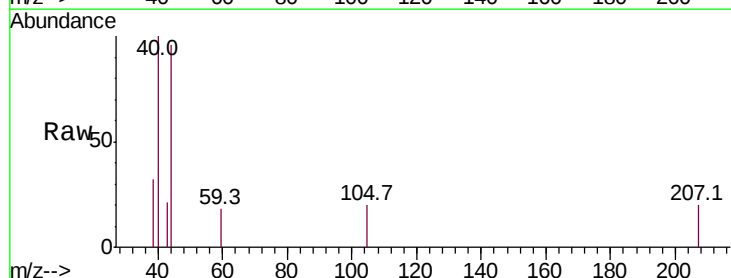
Instrument :
MSVOA_W
ClientSampled :

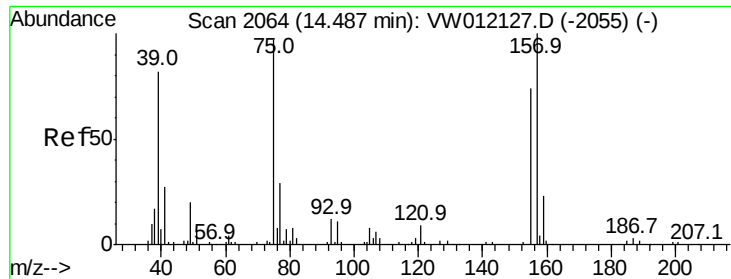
Tot Ion:105 Resp: 22
Ion Ratio Lower Upper
105 100
120 0.0 21.9 65.7#



#85
sec-Butylbenzene
Concen: 2.373 ug/l
RT: 13.40 min Scan# 1886
Delta R.T. 0.02 min
Lab File: VW012385.D
Acq: 31 Aug 2019 07:39

Tgt Ion:105 Resp: 22
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 81.406 ug/l

RT: 14.43 min Scan# 2054

Delta R.T. -0.06 min

Lab File: VW012385.D

Acq: 31 Aug 2019 07:39

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 23

Ion Ratio Lower Upper

75 100

155 0.0 37.5 112.3#

157 0.0 50.5 151.5#

