

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
 Data File : VW013508.D
 Acq On : 09 Oct 2019 17:02
 Operator : SY/VA
 Sample : K5292-01
 Misc : 5.05G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190850-COMPOSITE-B

Quant Time: Oct 10 02:40:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:54:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	486161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	415216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184818	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	135480	53.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.96%	
35) Dibromofluoromethane	7.88	113	136521	50.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.56%	
50) Toluene-d8	10.32	98	565341	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.62	95	182702	47.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.32%	

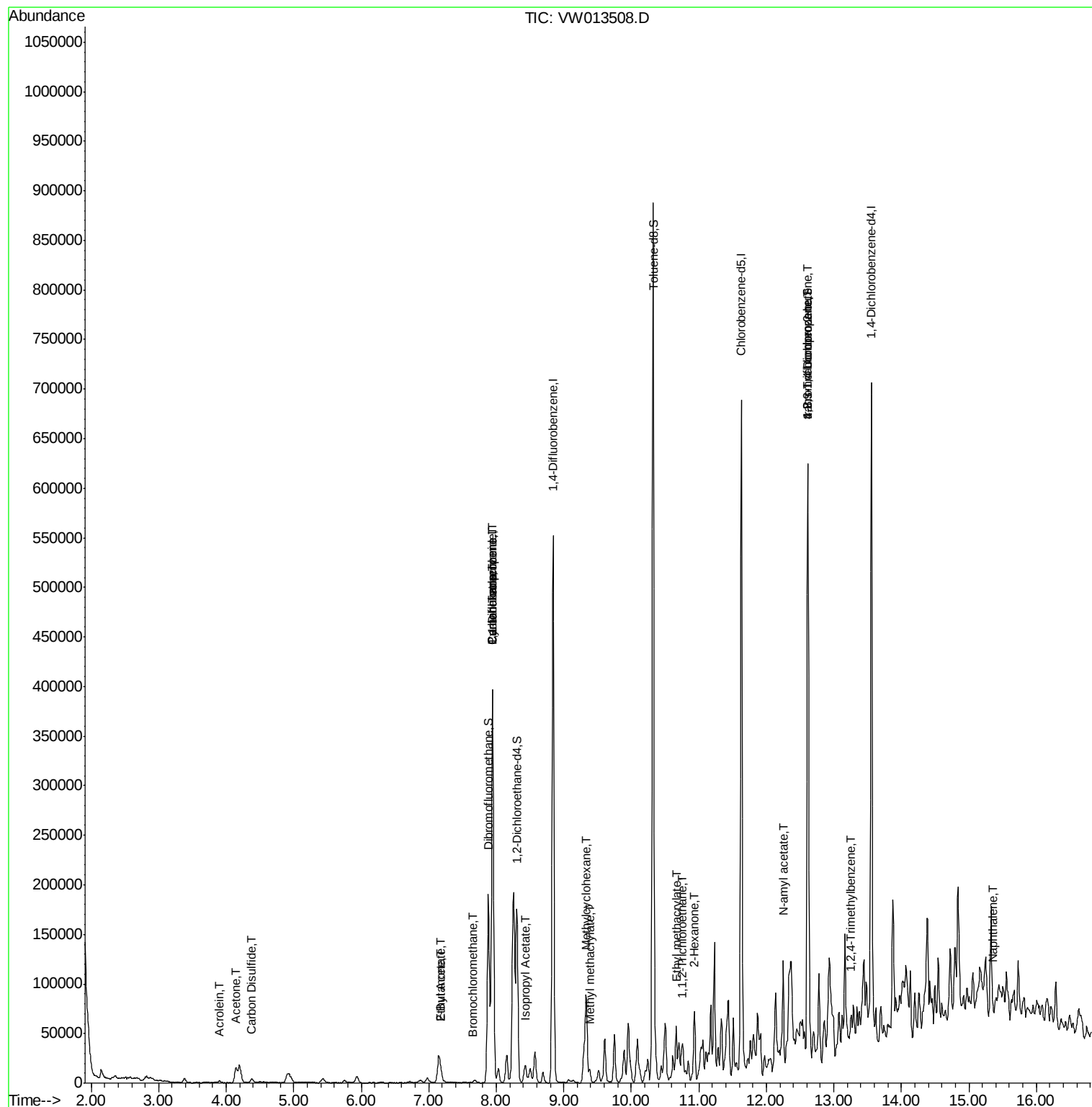
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	236	Below Cal	#	72
13) Acrolein	3.90	56	2819	16.087	ug/l	100
16) Acetone	4.15	43	30487	52.201	ug/l	95
17) Carbon Disulfide	4.38	76	9067	1.146	ug/l	99
20) Methylene Chloride	4.91	84	7035	Below Cal		95
25) 2-Butanone	7.18	43	13123	15.247	ug/l	96
28) Bromochloromethane	7.65	49	19	2.370	ug/l #	98
31) Cyclohexane	7.95	56	11414	2.173	ug/l #	29
36) 1,1-Dichloropropene	7.95	75	20360	4.629	ug/l #	49
37) Ethyl Acetate	7.18	43	13123	6.577	ug/l #	81
38) Carbon Tetrachloride	7.95	117	27210	6.979	ug/l #	16
39) Methylcyclohexane	9.34	83	37859	6.644	ug/l	98
43) Isopropyl Acetate	8.43	43	4747	1.317	ug/l #	50
48) Methyl methacrylate	9.38	41	2535	1.428	ug/l #	37
55) 1,1,2-Trichloroethane	10.76	97	11911	5.406	ug/l #	22
56) Ethyl methacrylate	10.66	69	5273	1.777	ug/l #	17
59) 2-Hexanone	10.93	43	26397	20.311	ug/l #	28
74) N-amyl acetate	12.25	43	24740	8.545	ug/l #	61
76) 1,2,3-Trichloropropane	12.62	75	85304	55.418	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85304	113.284	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.25	105	11424	1.050	ug/l	100
95) Naphthalene	15.36	128	6515	1.014	ug/l #	86

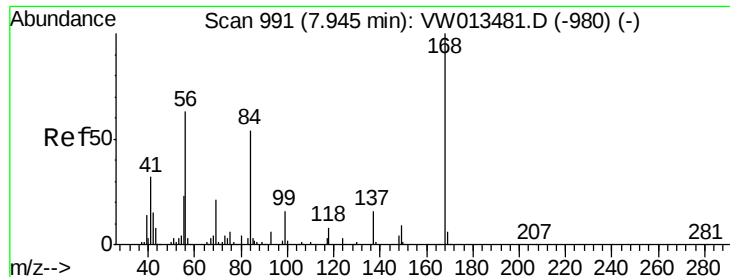
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100919\
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Quant Title : SW846 8260
QLast Update : Wed Oct 09 05:54:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013508.D

Acq: 09 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

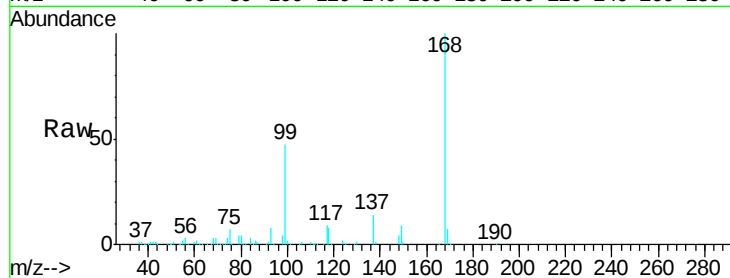
20190850-COMPOSITE-B

Tgt Ion:168 Resp: 324839

Ion Ratio Lower Upper

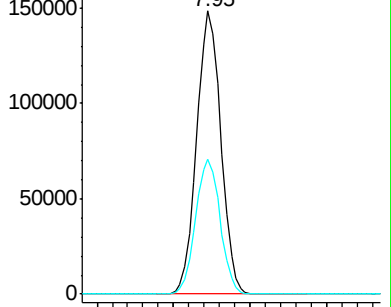
168 100

99 47.5 38.3 57.5

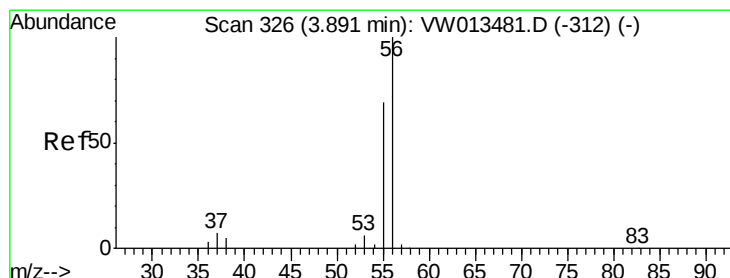
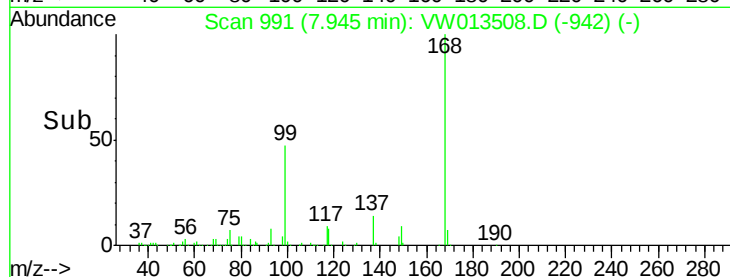


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



Time-->



#13

Acrolein

Concen: 16.087 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013508.D

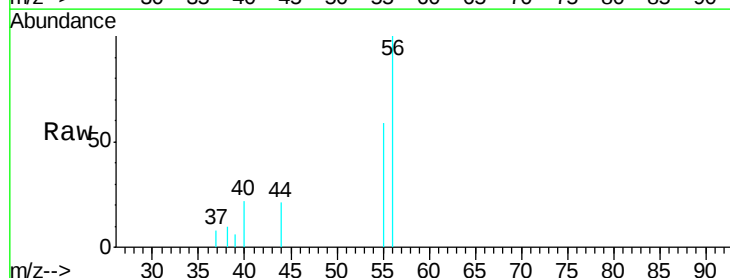
Acq: 09 Oct 2019 17:02

Tgt Ion: 56 Resp: 2819

Ion Ratio Lower Upper

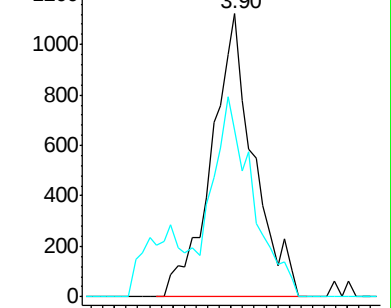
56 100

55 69.9 55.9 83.9

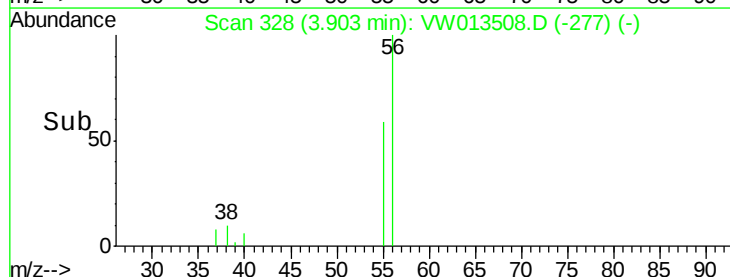


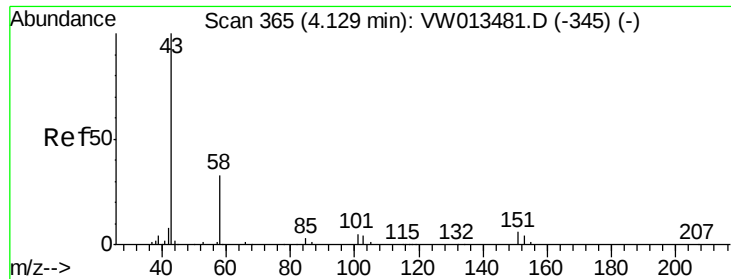
Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->

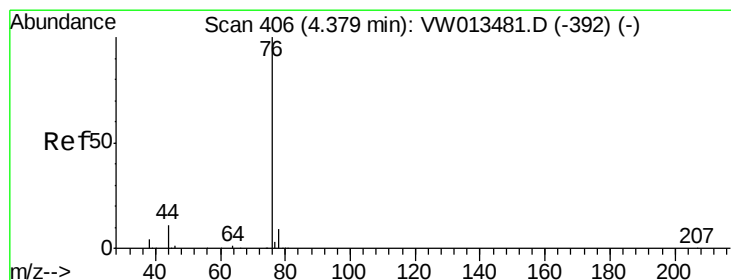
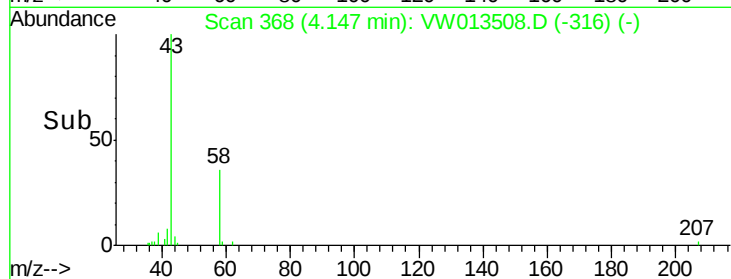
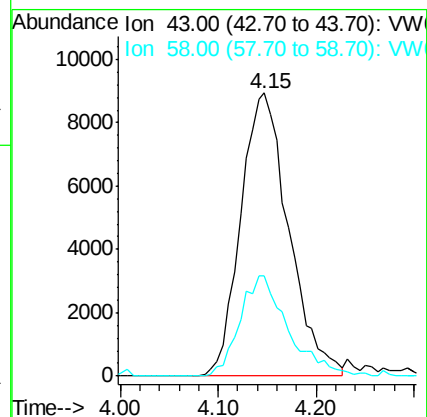
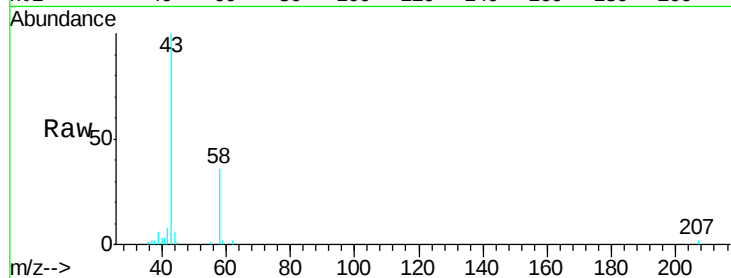




#16
Acetone
Concen: 52.201 ug/l
RT: 4.15 min Scan# 368
Delta R.T. 0.02 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

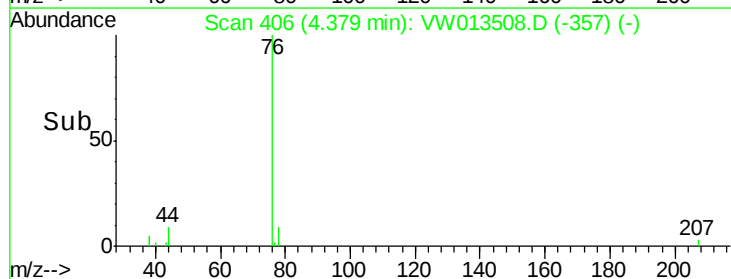
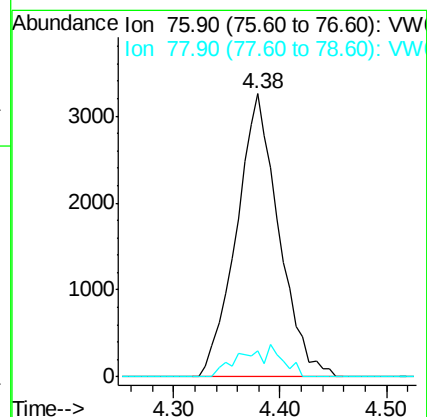
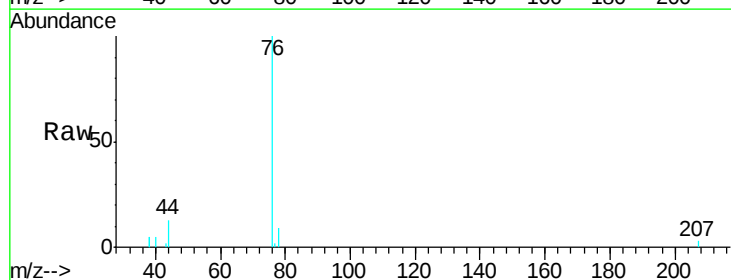
Instrument :
MSVOA_W
ClientSampleId :
20190850-COMPOSITE-B

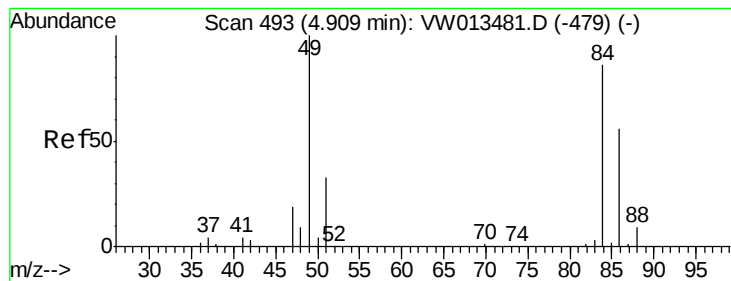
Tgt Ion: 43 Resp: 30487
Ion Ratio Lower Upper
43 100
58 35.6 26.1 39.1



#17
Carbon Disulfide
Concen: 1.146 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Tgt Ion: 76 Resp: 9067
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7





#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013508.D

Acq: 09 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

20190850-COMPOSITE-B

Tgt Ion: 84 Resp: 7035

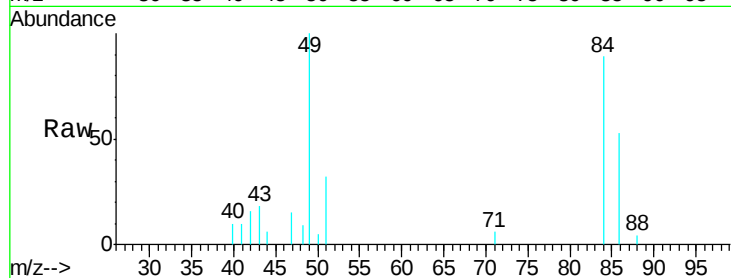
Ion Ratio Lower Upper

84 100

49 112.2 93.4 140.0

51 35.4 30.6 46.0

86 59.2 52.3 78.5

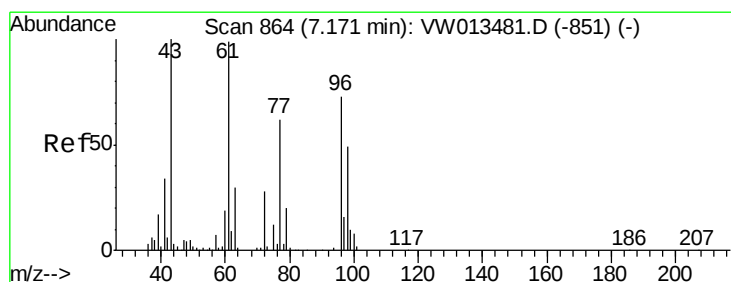
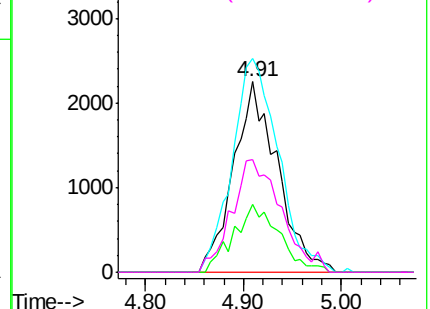
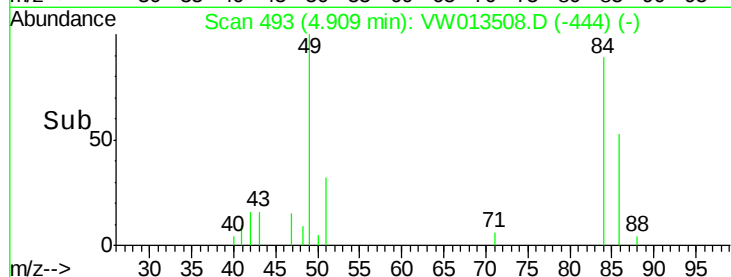


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#25

2-Butanone

Concen: 15.247 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW013508.D

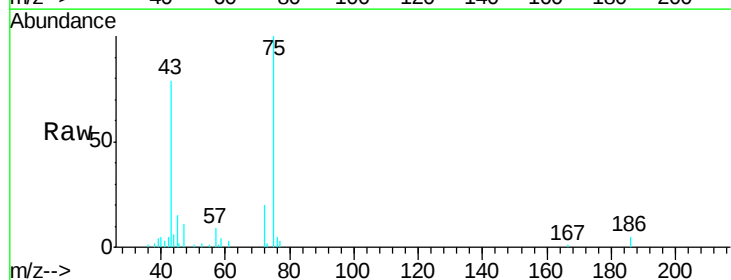
Acq: 09 Oct 2019 17:02

Tgt Ion: 43 Resp: 13123

Ion Ratio Lower Upper

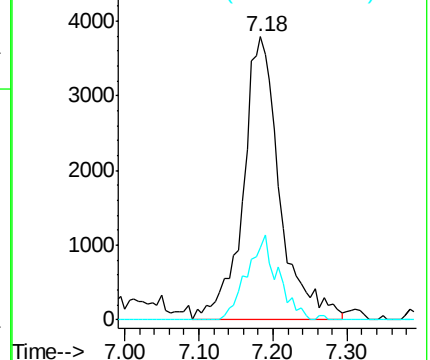
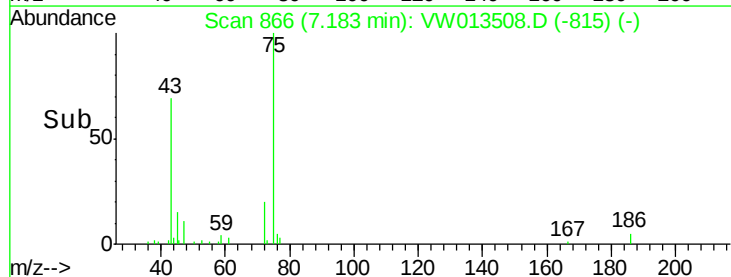
43 100

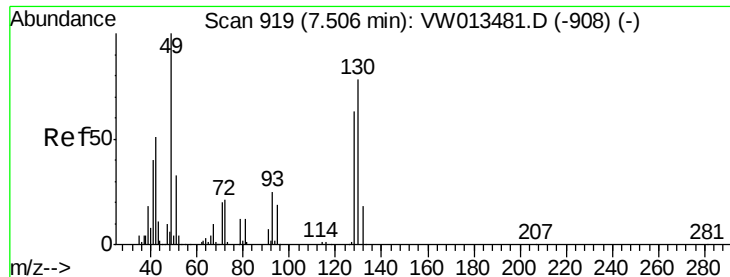
72 25.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#28

Bromochloromethane

Concen: 2.370 ug/l

RT: 7.65 min Scan# 942

Delta R.T. 0.14 min

Lab File: VW013508.D

Acq: 09 Oct 2019 17:02

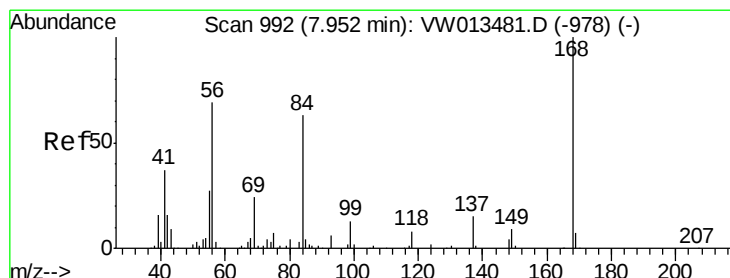
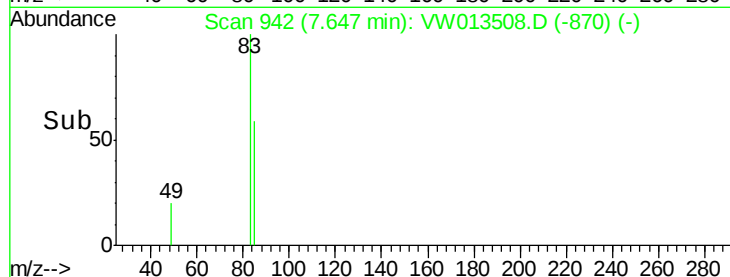
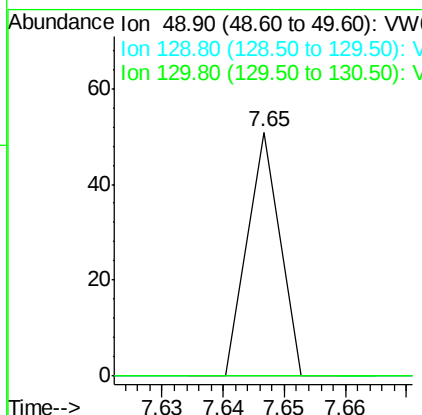
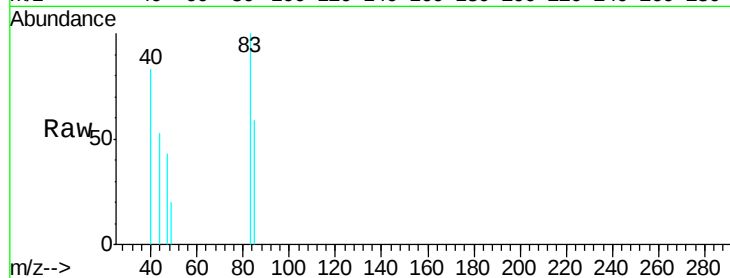
Instrument :

MSVOA_W

ClientSampleId :

20190850-COMPOSITE-B

Tgt Ion:	49	Resp:	19
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.6
130	0.0	0.0	0.0



#31

Cyclohexane

Concen: 2.173 ug/l

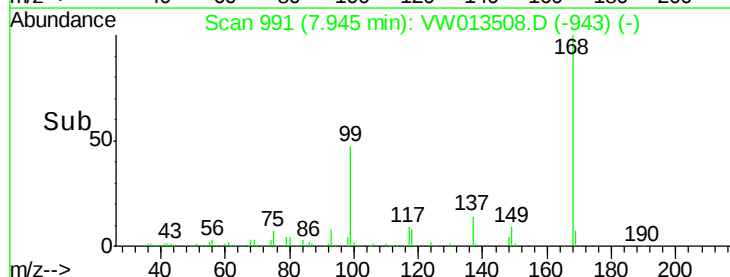
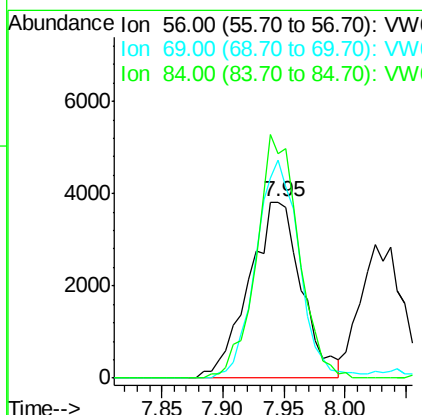
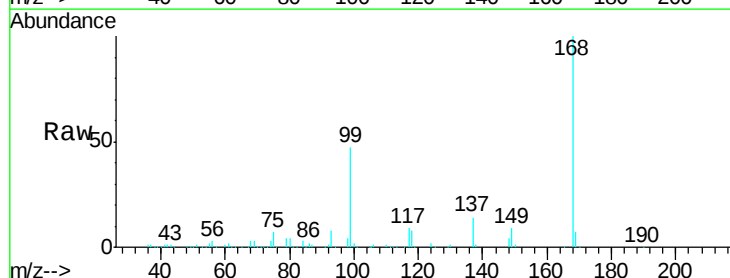
RT: 7.95 min Scan# 991

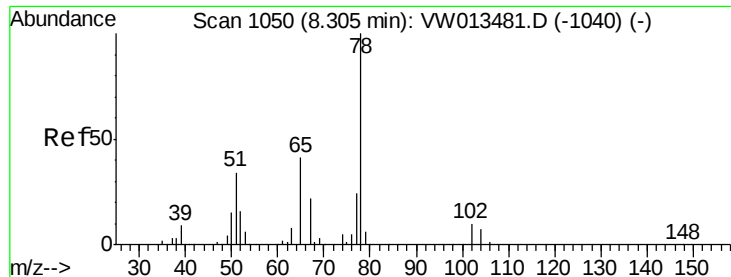
Delta R.T. -0.01 min

Lab File: VW013508.D

Acq: 09 Oct 2019 17:02

Tgt Ion:	56	Resp:	11414
Ion	Ratio	Lower	Upper
56	100		
69	123.5	28.0	42.0#
84	127.1	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 53.983 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013508.D

Acq: 09 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

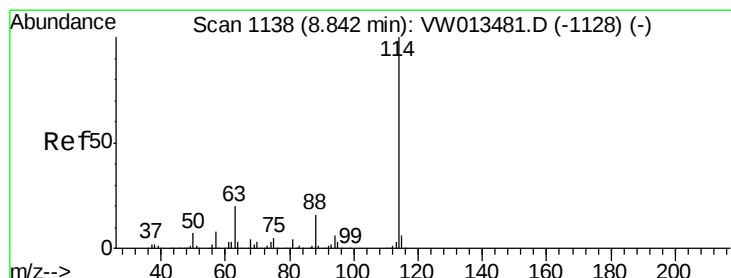
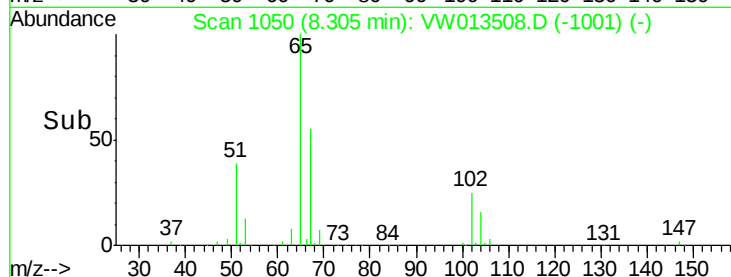
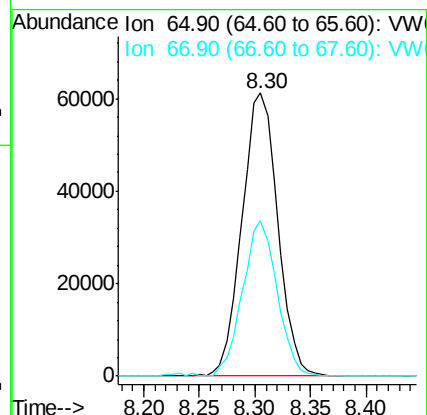
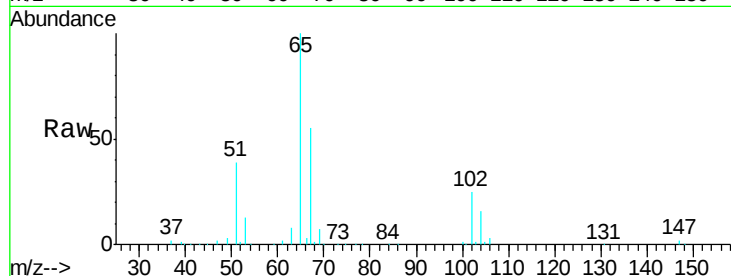
20190850-COMPOSITE-B

Tgt Ion: 65 Resp: 135480

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013508.D

Acq: 09 Oct 2019 17:02

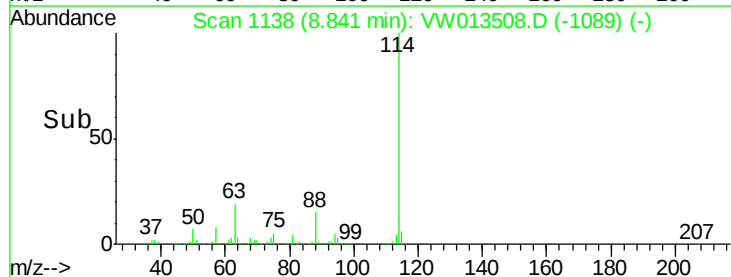
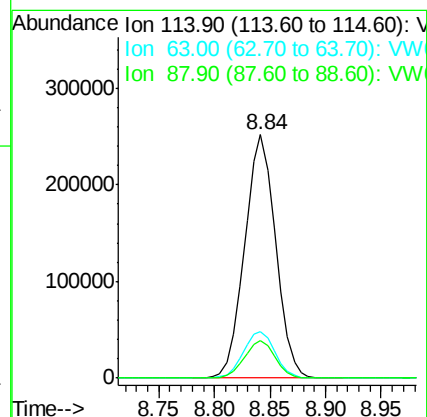
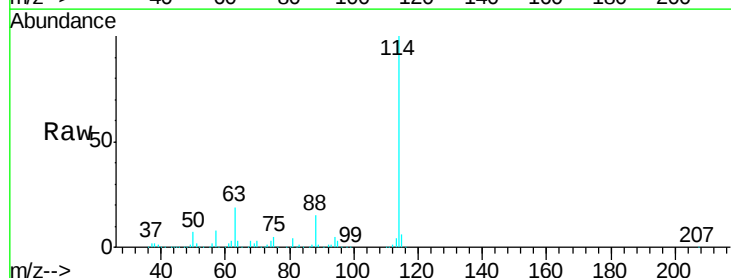
Tgt Ion: 114 Resp: 486161

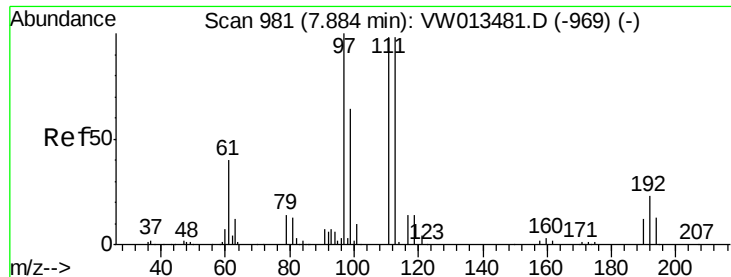
Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

88 15.2 0.0 31.4

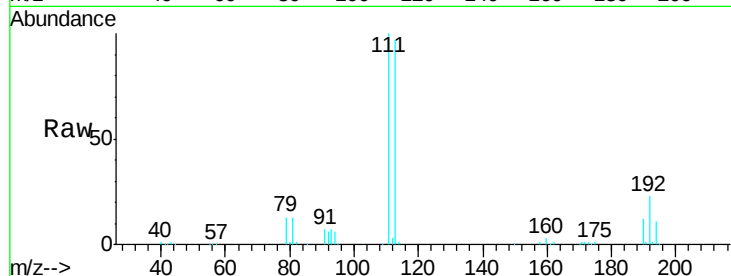




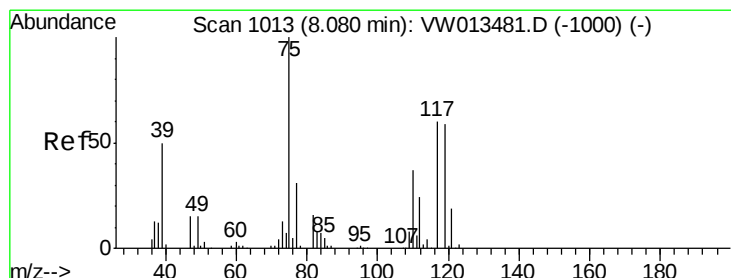
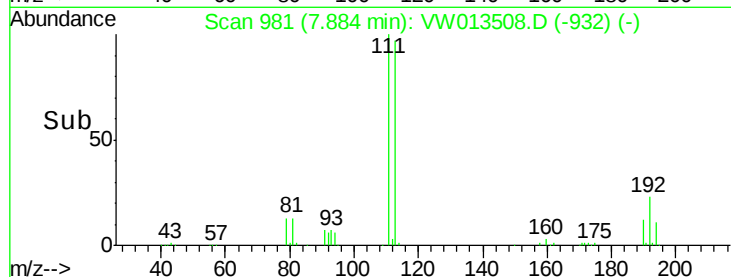
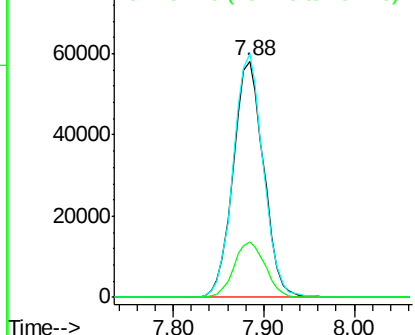
#35
 Dibromofluoromethane
 Concen: 50.278 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013508.D
 Acq: 09 Oct 2019 17:02

Instrument :
 MSVOA_W
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 20190850-COMPOSITE-B

Tgt Ion: 113 Resp: 136521
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.3 123.5
 192 24.0 19.3 28.9

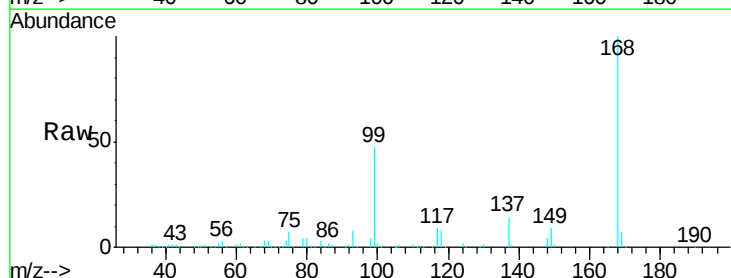


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

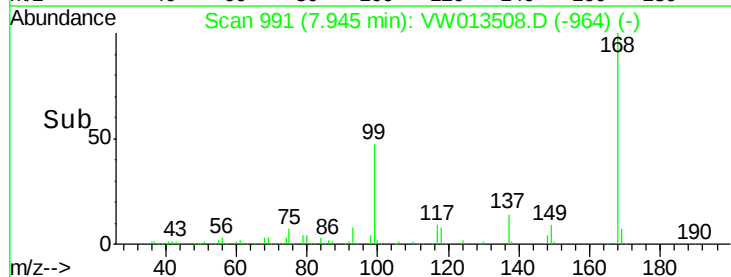
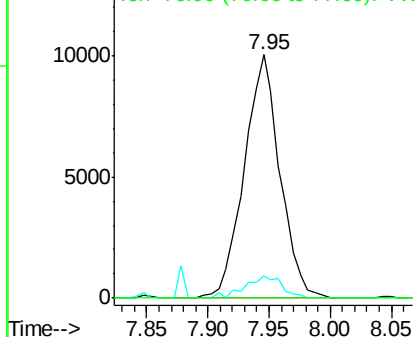


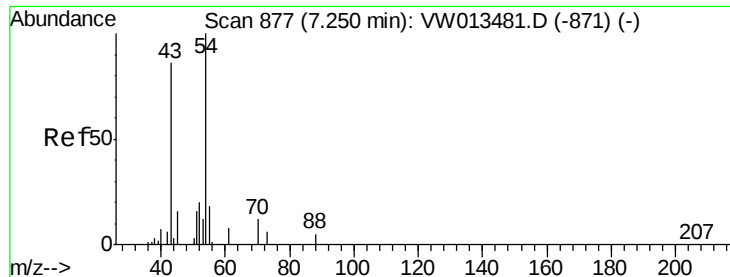
#36
 1,1-Dichloropropene
 Concen: 4.629 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013508.D
 Acq: 09 Oct 2019 17:02

Tgt Ion: 75 Resp: 20360
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.4 55.2#
 77 0.0 25.0 37.4#



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

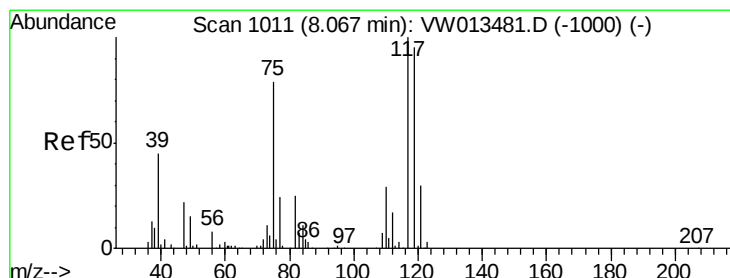
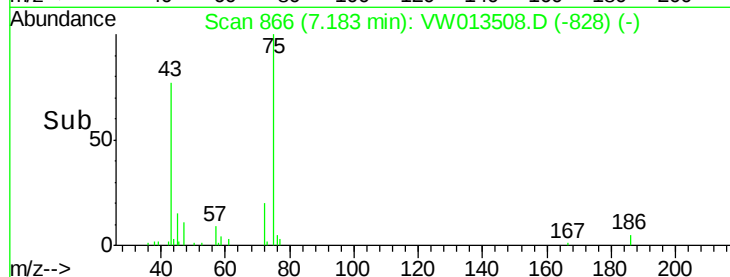
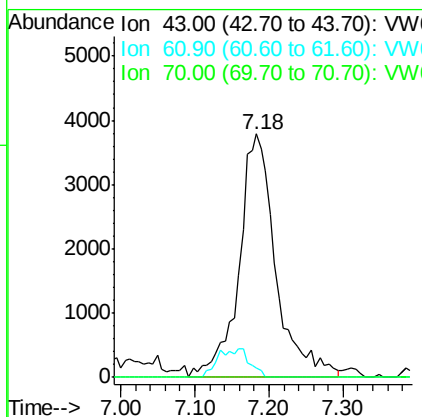
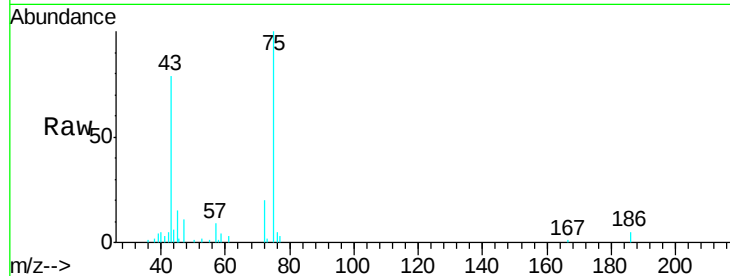




#37
 Ethyl Acetate
 Concen: 6.577 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. -0.07 min
 Lab File: VW013508.D
 Acq: 09 Oct 2019 17:02

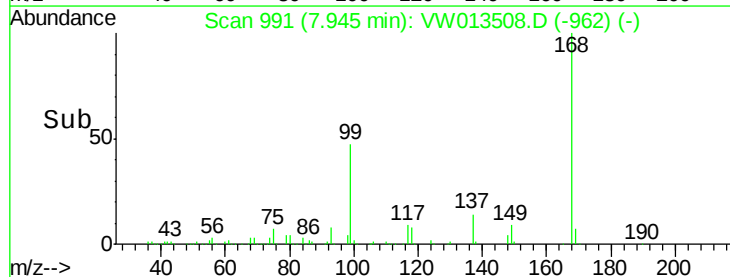
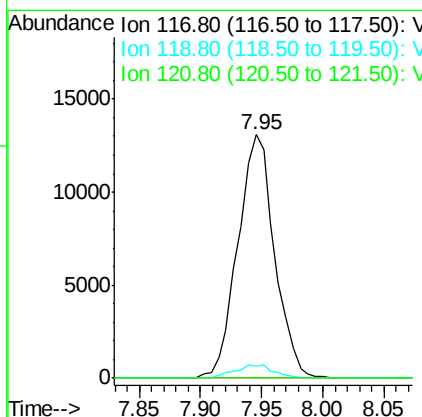
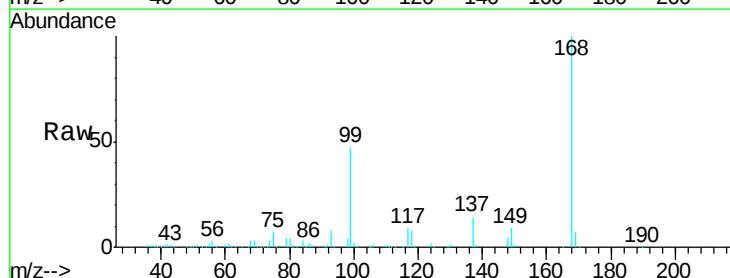
Instrument :
 MSVOA_W
 ClientSampleId :
 20190850-COMPOSITE-B

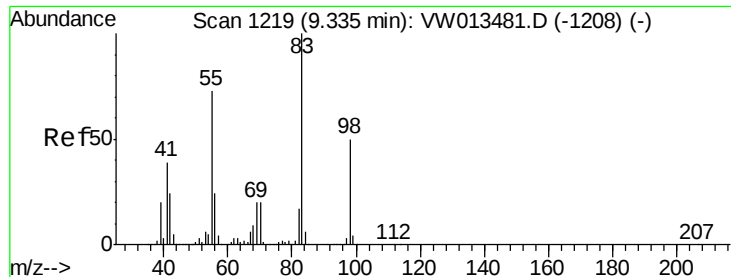
Tgt Ion: 43 Resp: 13123
 Ion Ratio Lower Upper
 43 100
 61 10.0 10.9 16.3#
 70 0.0 9.2 13.8#



#38
 Carbon Tetrachloride
 Concen: 6.979 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013508.D
 Acq: 09 Oct 2019 17:02

Tgt Ion: 117 Resp: 27210
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.3 114.5#
 121 0.0 23.6 35.4#

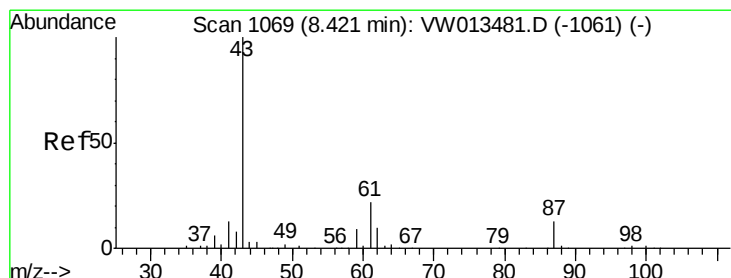
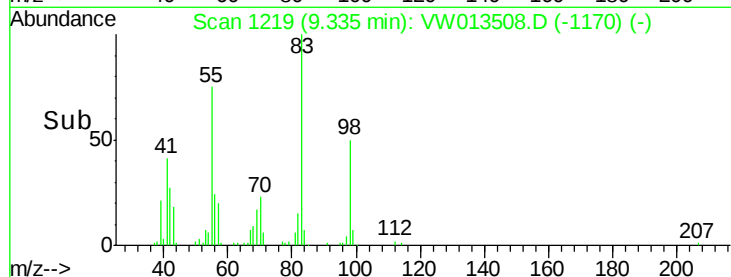
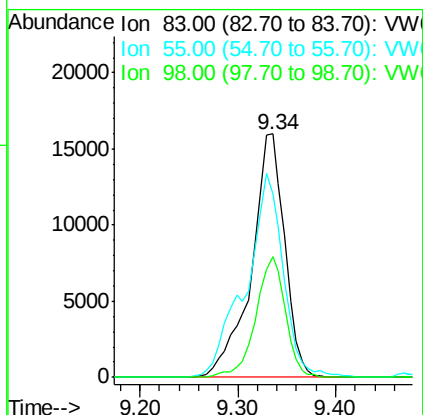
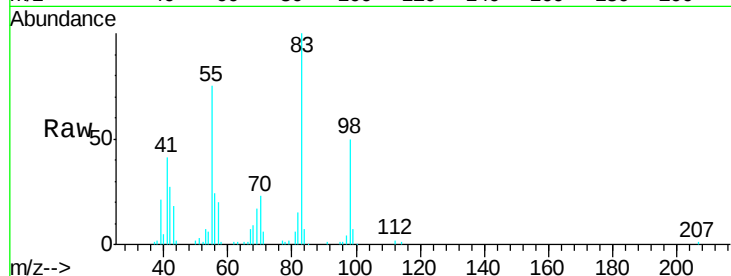




#39
Methylcyclohexane
Concen: 6.644 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

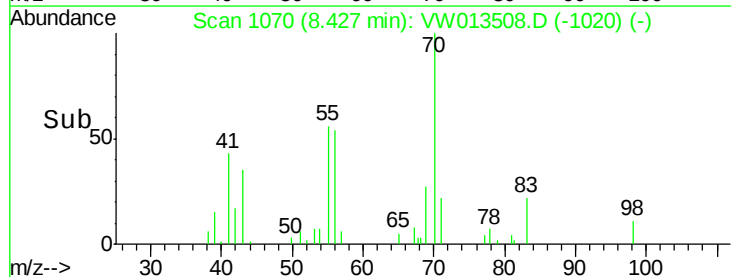
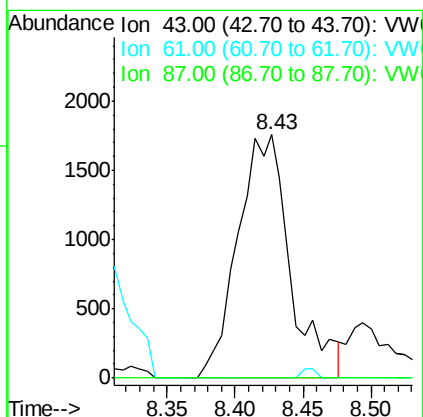
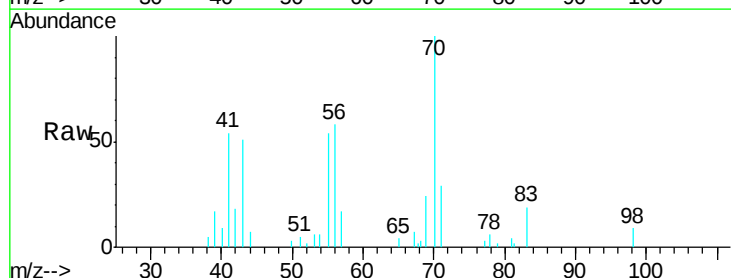
Instrument :
MSVOA_W
ClientSampleId :
20190850-COMPOSITE-B

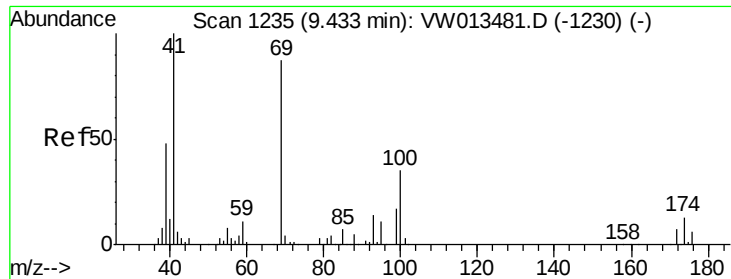
Tgt Ion: 83 Resp: 37859
Ion Ratio Lower Upper
83 100
55 75.4 58.2 87.4
98 49.8 39.8 59.6



#43
Isopropyl Acetate
Concen: 1.317 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Tgt Ion: 43 Resp: 4747
Ion Ratio Lower Upper
43 100
61 0.0 25.4 38.2#
87 0.0 10.8 16.2#

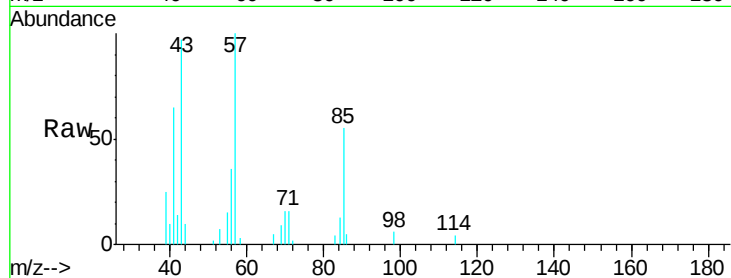




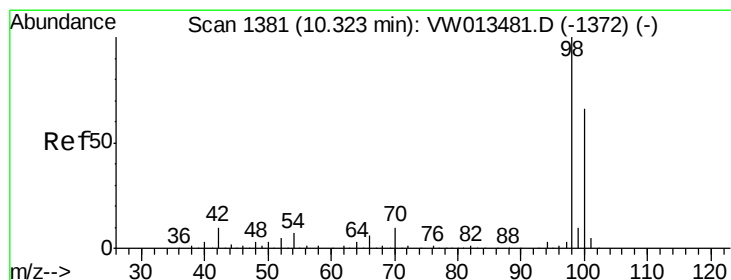
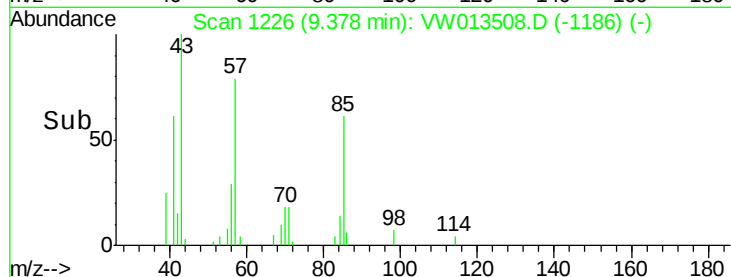
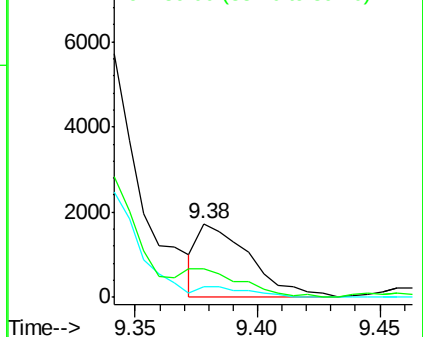
#48
Methyl methacrylate
Concen: 1.428 ug/l
RT: 9.38 min Scan# 1226
Delta R.T. -0.05 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Instrument :
MSVOA_W
ClientSampleId :
20190850-COMPOSITE-B

Tgt Ion: 41 Resp: 2535
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 43.9 37.3 55.9

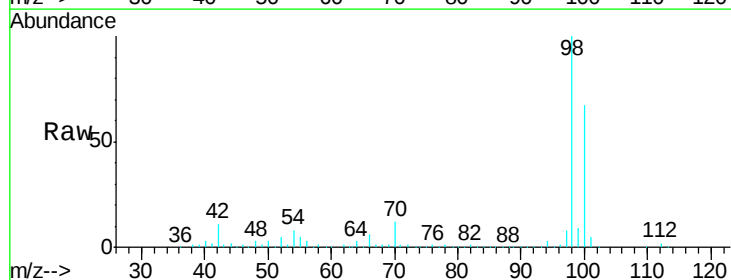


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

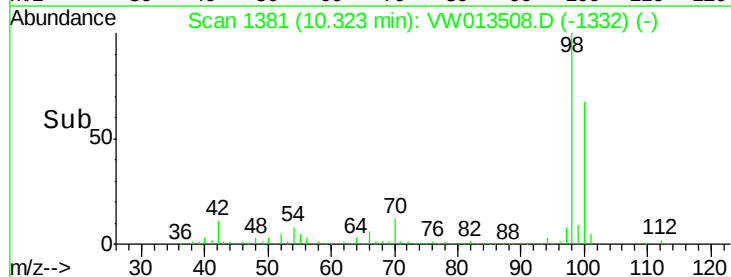
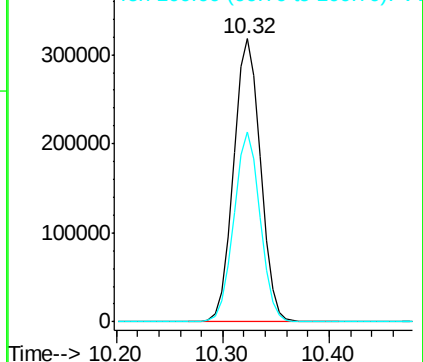


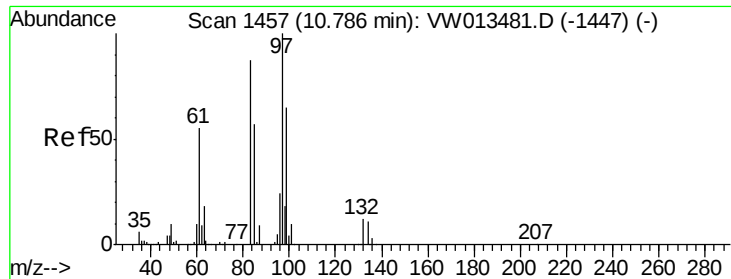
#50
Toluene-d8
Concen: 49.544 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Tgt Ion: 98 Resp: 565341
Ion Ratio Lower Upper
98 100
100 65.5 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

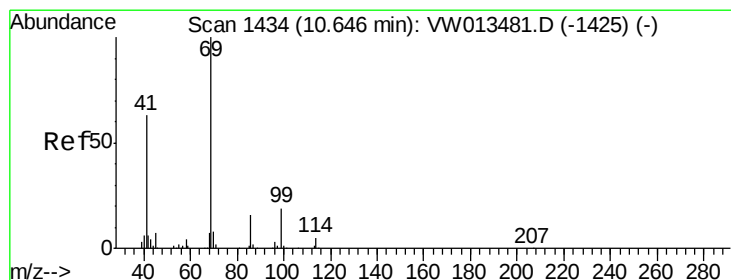
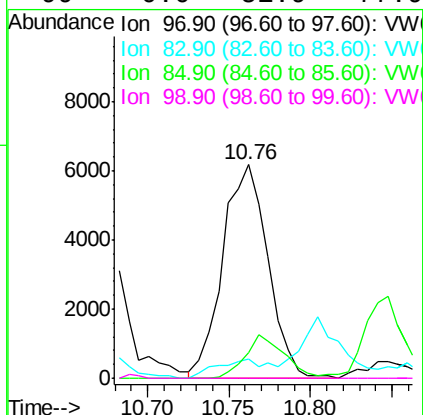
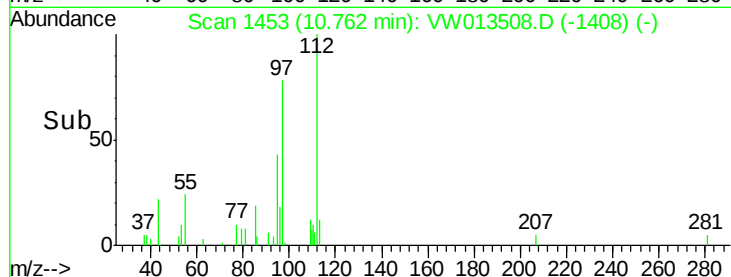
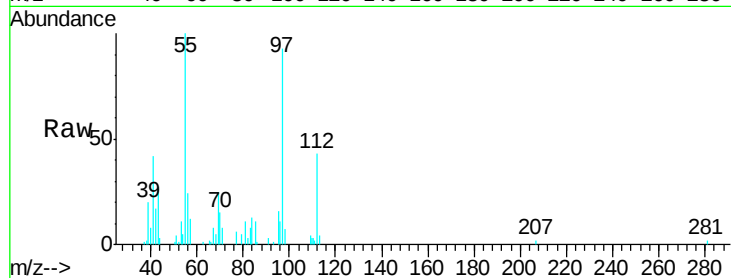




#55
 1,1,2-Trichloroethane
 Concen: 5.406 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW013508.D
 Acq: 09 Oct 2019 17:02

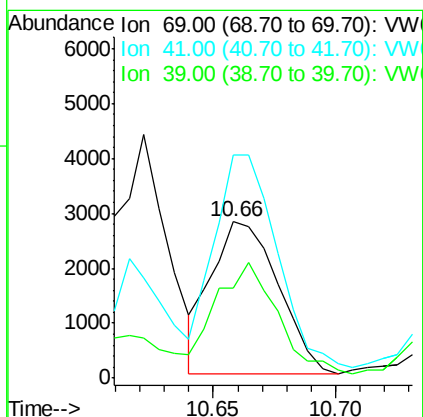
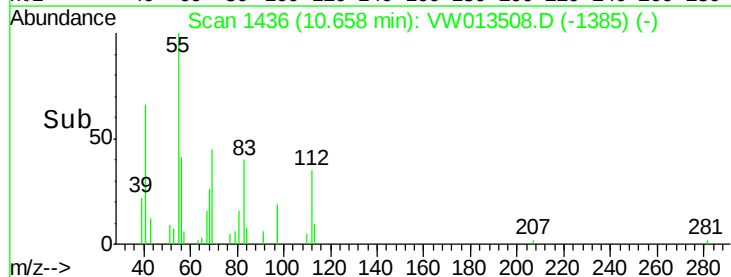
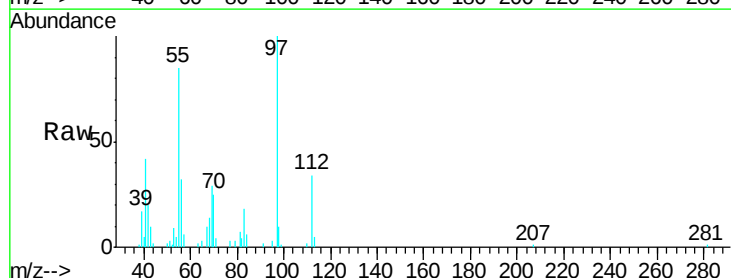
Instrument :
 MSVOA_W
 ClientSampleId :
 20190850-COMPOSITE-B

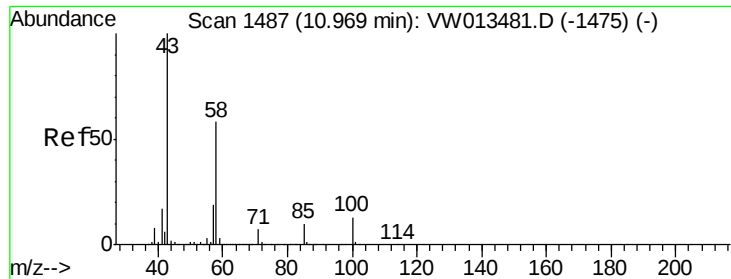
Tgt Ion: 97 Resp: 11911
 Ion Ratio Lower Upper
 97 100
 83 8.8 69.8 104.8#
 85 11.9 45.4 68.0#
 99 0.0 51.9 77.9#



#56
 Ethyl methacrylate
 Concen: 1.777 ug/l
 RT: 10.66 min Scan# 1436
 Delta R.T. 0.01 min
 Lab File: VW013508.D
 Acq: 09 Oct 2019 17:02

Tgt Ion: 69 Resp: 5273
 Ion Ratio Lower Upper
 69 100
 41 131.7 51.8 77.6#
 39 66.7 21.7 32.5#

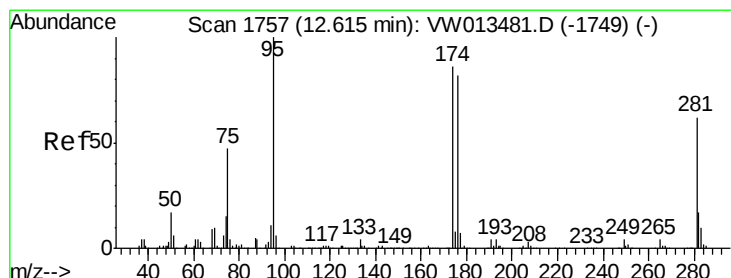
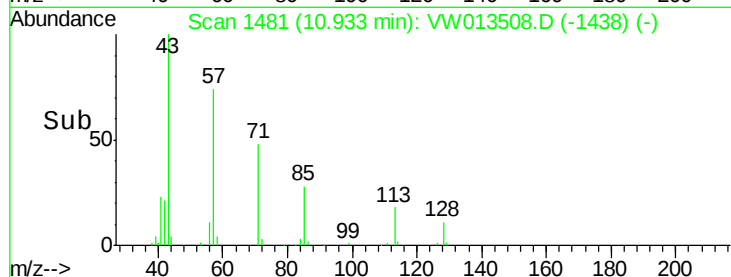
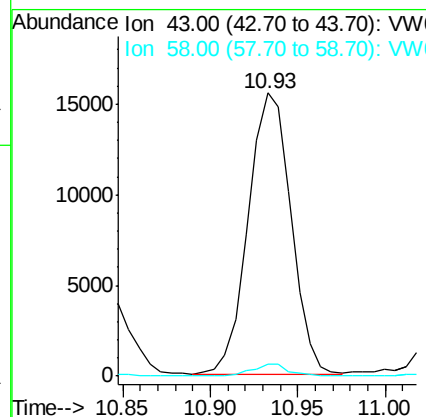
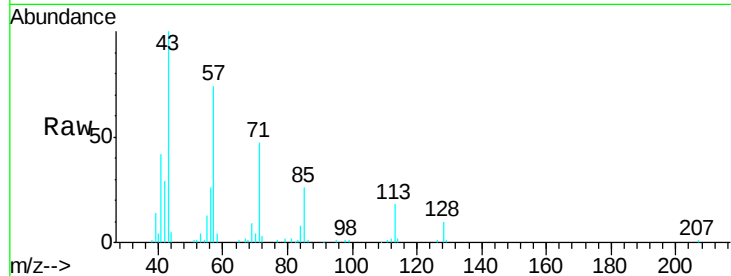




#59
2-Hexanone
Concen: 20.311 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.04 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

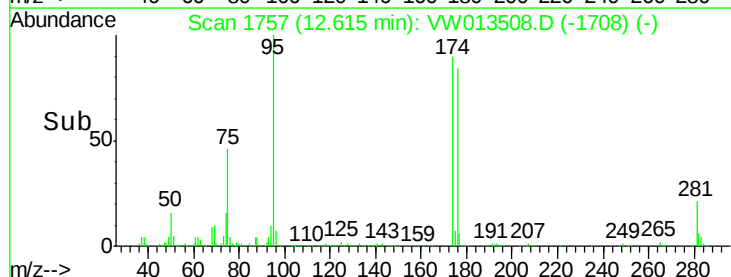
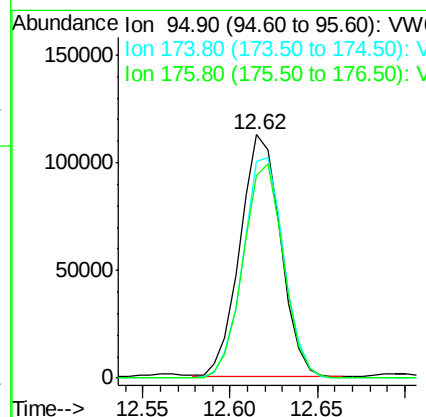
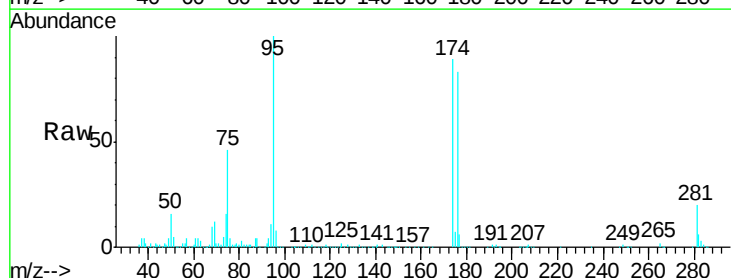
Instrument :
MSVOA_W
ClientSampleId :
20190850-COMPOSITE-B

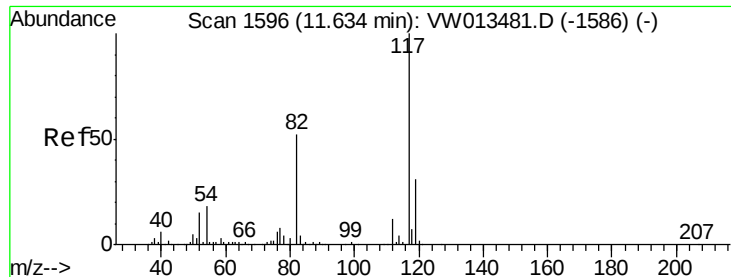
Tgt Ion: 43 Resp: 26397
Ion Ratio Lower Upper
43 100
58 3.6 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 47.662 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Tgt Ion: 95 Resp: 182702
Ion Ratio Lower Upper
95 100
174 91.7 0.0 177.4
176 87.7 0.0 173.4

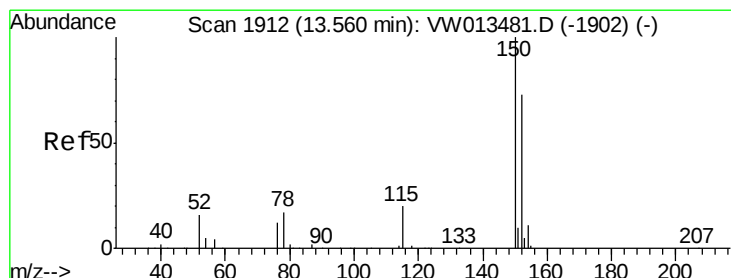
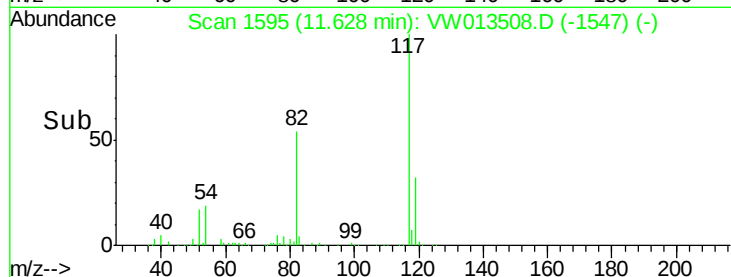
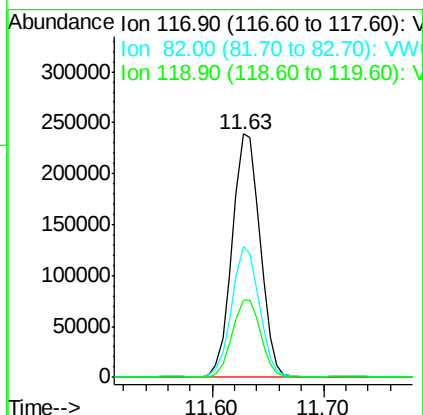
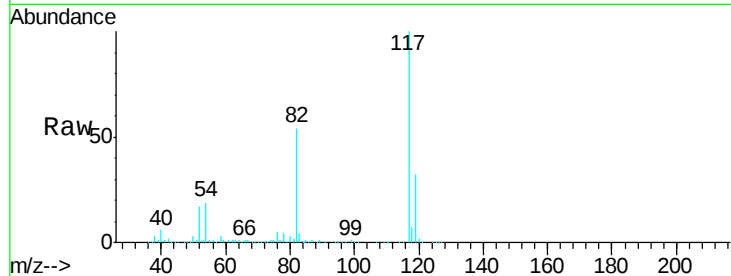




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

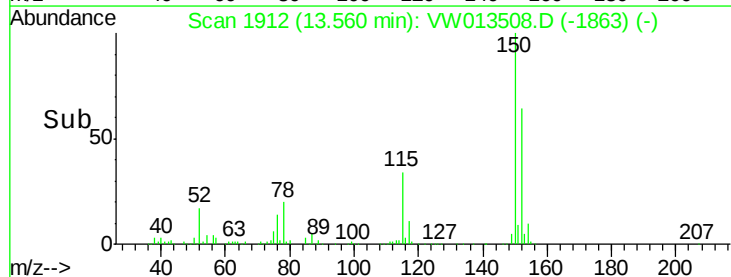
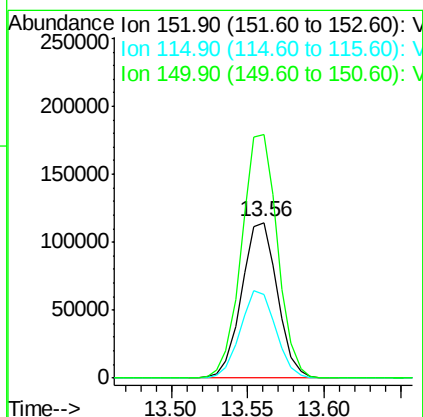
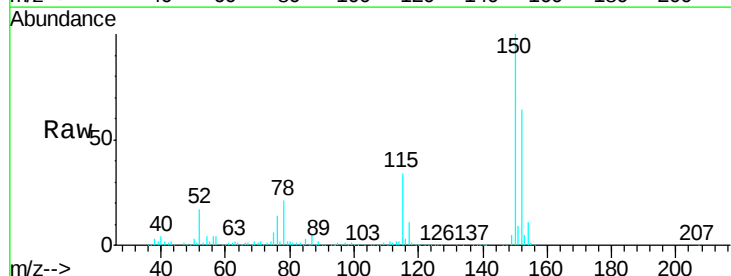
Instrument :
MSVOA_W
ClientSampleId :
20190850-COMPOSITE-B

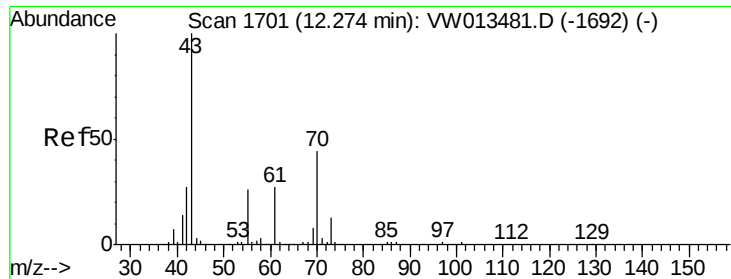
Tgt Ion:117 Resp: 415216
Ion Ratio Lower Upper
117 100
82 53.5 41.4 62.2
119 32.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Tgt Ion:152 Resp: 184818
Ion Ratio Lower Upper
152 100
115 56.2 27.0 81.0
150 157.7 0.0 337.4





#74

N-ethyl acetate

Concen: 8.545 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW013508.D

Acq: 09 Oct 2019 17:02

Instrument :

MSVOA_W

ClientSampleId :

20190850-COMPOSITE-B

Tgt Ion: 43 Resp: 24740

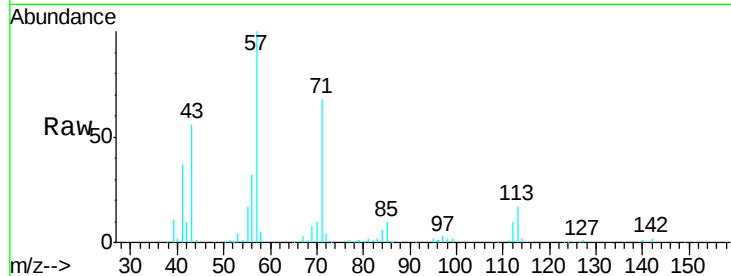
Ion Ratio Lower Upper

43 100

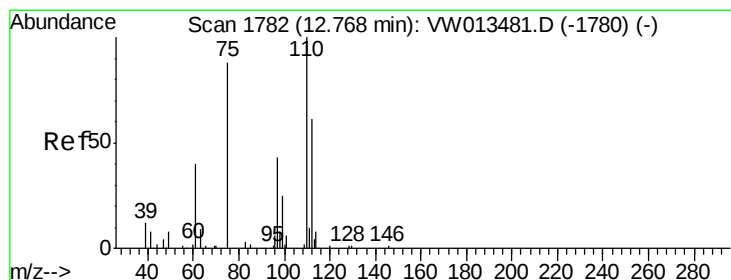
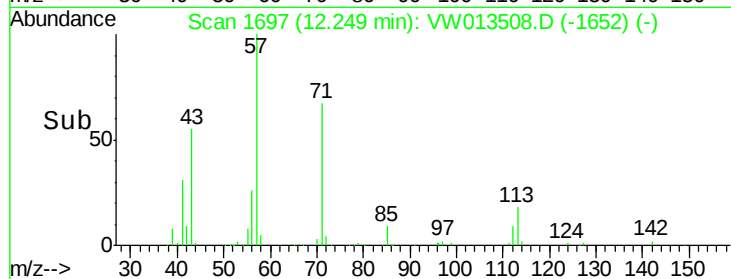
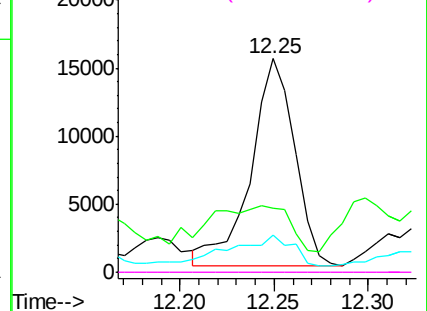
70 21.6 35.3 52.9#

55 41.5 20.0 30.0#

61 0.0 21.2 31.8#



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: 55.418 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013508.D

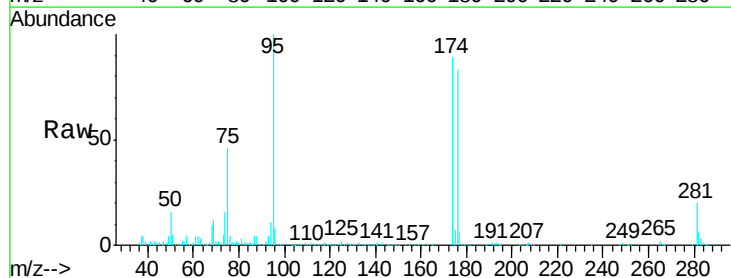
Acq: 09 Oct 2019 17:02

Tgt Ion: 75 Resp: 85304

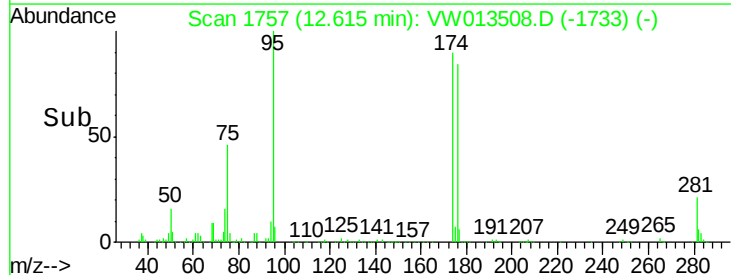
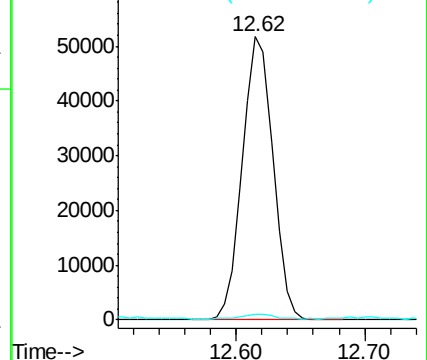
Ion Ratio Lower Upper

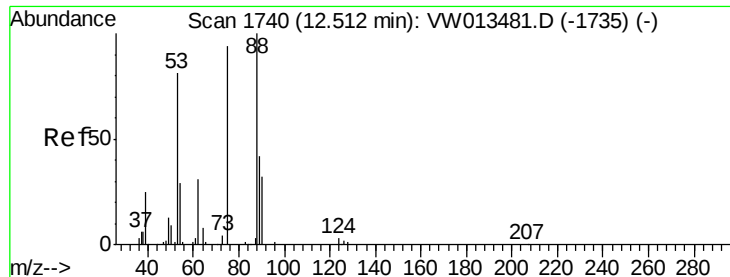
75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

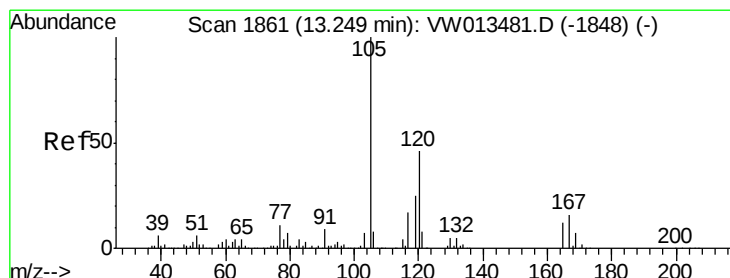
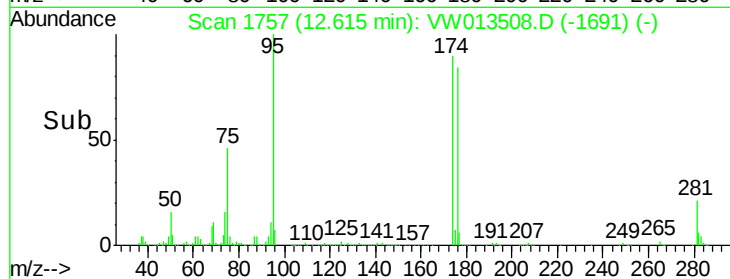
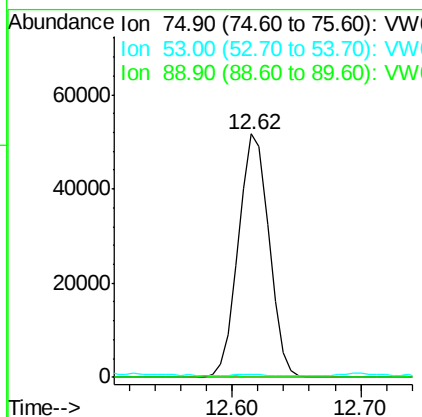
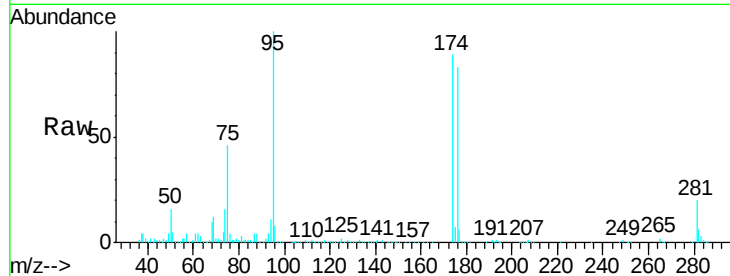




#81
trans-1,4-Dichloro-2-butene
Concen: 113.284 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

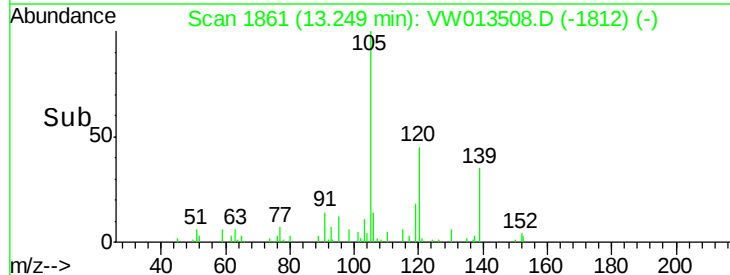
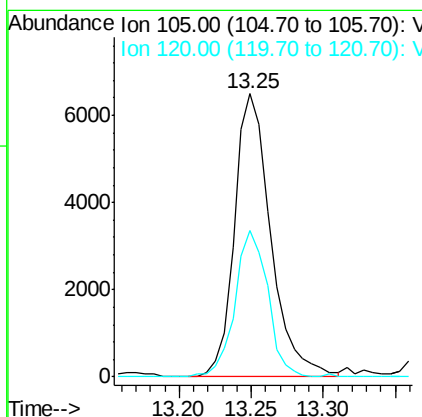
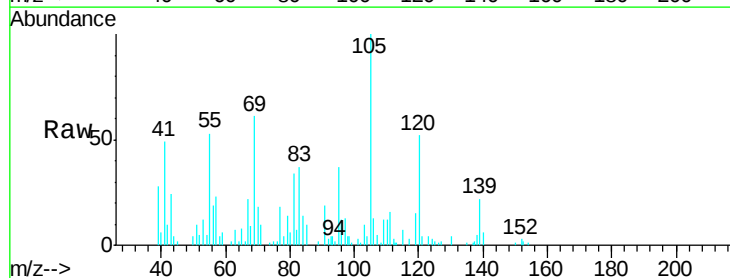
Instrument :
MSVOA_W
ClientSampleId :
20190850-COMPOSITE-B

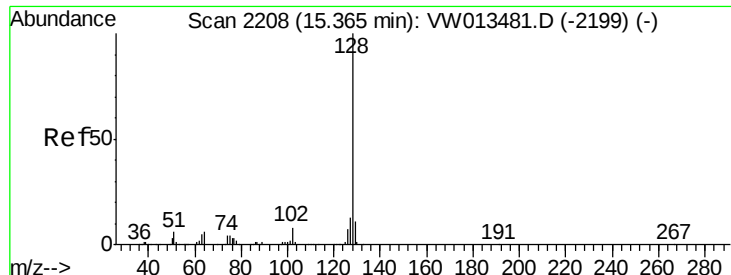
Tgt Ion: 75 Resp: 85304
Ion Ratio Lower Upper
75 100
53 0.8 71.0 106.6#
89 0.4 36.1 54.1#



#84
1,2,4-Trimethylbenzene
Concen: 1.050 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Tgt Ion: 105 Resp: 11424
Ion Ratio Lower Upper
105 100
120 46.6 23.2 69.5





#95
Naphthalene
Concen: 1.014 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013508.D
Acq: 09 Oct 2019 17:02

Instrument :
MSVOA_W
ClientSampleId :
20190850-COMPOSITE-B

Tgt Ion:128 Resp: 6515
Ion Ratio Lower Upper
128 100
127 7.5 10.6 16.0#
129 16.0 8.8 13.2#

