

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100919\
 Data File : VW013509.D
 Acq On : 09 Oct 2019 17:27
 Operator : SY/VA
 Sample : K5292-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

Quant Time: Oct 10 02:41:18 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	7.96	168	12959	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.84	114	17593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	12582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	2070	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	5098	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
35) Dibromofluoromethane	7.88	113	5020	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.32	98	18675	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
62) 4-Bromofluorobenzene	12.62	95	4476	32.27	ug/l	0.00
Spiked Amount			Recovery	=	64.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	107	1.418	ug/l #	42
6) Chloroethane	2.81	64	89	1.424	ug/l #	43
11) Tert butyl alcohol	5.18	59	20	Below Cal	#	72
13) Acrolein	3.90	56	89	13.510	ug/l #	15
16) Acetone	4.14	43	1419	60.904	ug/l	98
17) Carbon Disulfide	4.39	76	969	3.069	ug/l #	75
20) Methylene Chloride	4.93	84	269	Below Cal	#	72
25) 2-Butanone	7.17	43	151	4.398	ug/l #	47
31) Cyclohexane	7.95	56	219	1.045	ug/l #	78
36) 1,1-Dichloropropene	7.95	75	1000	6.283	ug/l #	41
38) Carbon Tetrachloride	7.95	117	1501	10.639	ug/l #	12
39) Methylcyclohexane	9.33	83	403	1.954	ug/l #	56
48) Methyl methacrylate	9.46	41	206	3.206	ug/l #	31
51) 4-Methyl-2-Pentanone	10.21	43	169	2.464	ug/l #	34
55) 1,1,2-Trichloroethane	10.80	97	188	2.358	ug/l #	60
56) Ethyl methacrylate	10.66	69	125	1.164	ug/l #	1
59) 2-Hexanone	10.99	43	131	2.785	ug/l #	23
60) Dibromochloromethane	11.13	129	110	1.200	ug/l	90
61) 1,2-Dibromoethane	11.22	107	180	2.373	ug/l #	46
66) 1,1,1,2-Tetrachloroethane	11.62	131	143	1.647	ug/l #	1
68) m/p-Xylenes	11.85	106	200	1.150	ug/l #	1
69) o-Xylene	12.18	106	334	2.079	ug/l	69
71) Bromoform	12.32	173	355	7.451	ug/l #	38
74) N-ethyl acetate	12.25	43	1040	32.070	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.68	83	443	17.529	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	1624	94.199	ug/l #	100
77) Bromobenzene	12.86	156	2776	78.985	ug/l #	1
79) 2-Chlorotoluene	12.84	91	129	1.343	ug/l	92
80) 1,3,5-Trimethylbenzene	12.99	105	199	1.615	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.62	75	1624	192.557	ug/l #	28
82) 4-Chlorotoluene	13.05	91	525	5.266	ug/l	89
83) tert-Butylbenzene	13.45	119	382	3.491	ug/l	83
84) 1,2,4-Trimethylbenzene	13.44	105	359	2.946	ug/l	87
85) sec-Butylbenzene	13.44	105	361	2.388	ug/l	88

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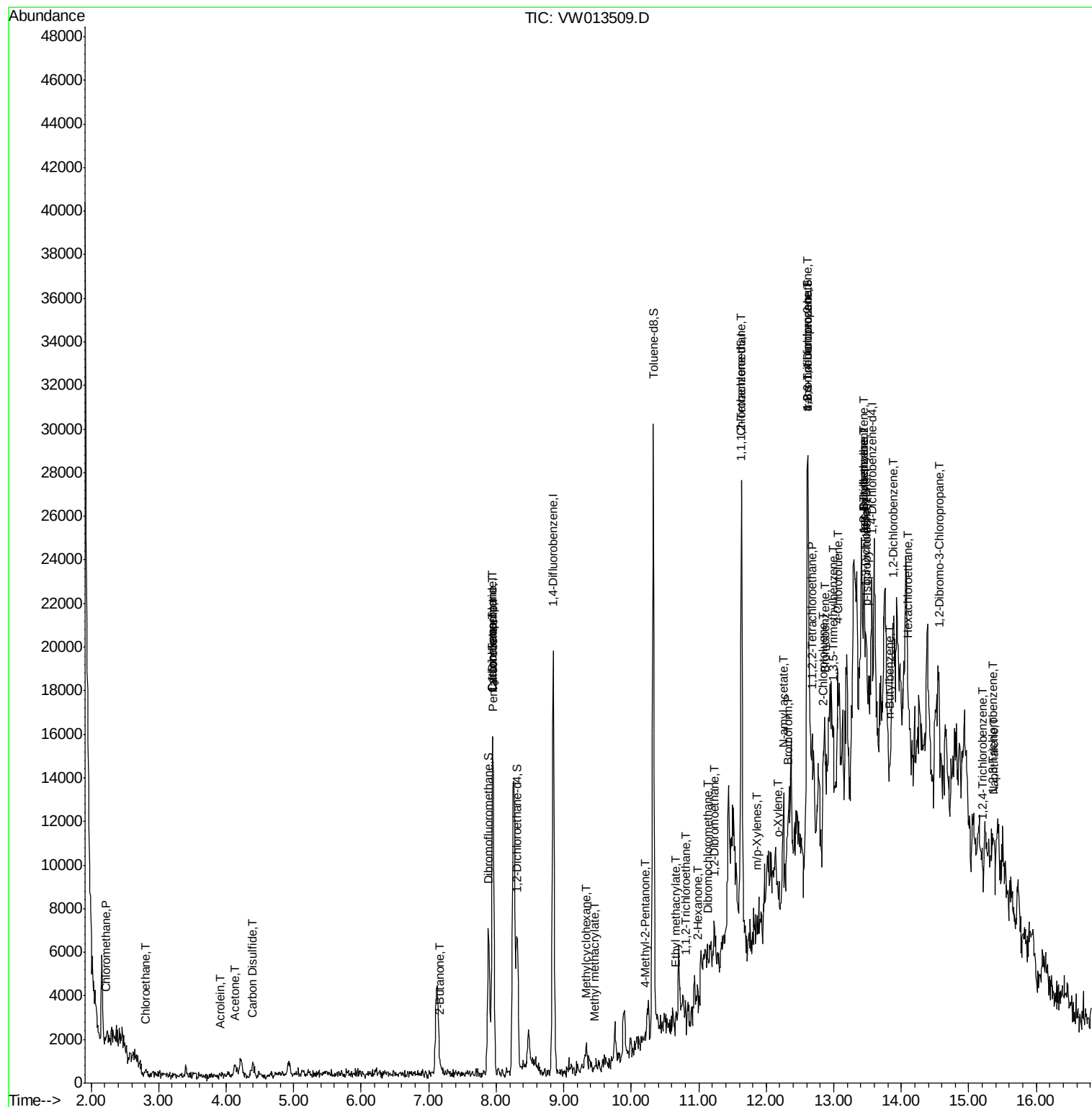
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.49	119	287	2.066	ug/l #	46
87) 1,3-Dichlorobenzene	13.46	146	78	1.170	ug/l #	25
89) n-Butylbenzene	13.83	91	287	2.287	ug/l #	32
90) Hexachloroethane	14.10	117	161	6.774	ug/l #	3
91) 1,2-Dichlorobenzene	13.88	146	62	1.054	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.55	75	20	4.964	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.21	180	47	1.130	ug/l #	1
95) Naphthalene	15.37	128	436	6.061	ug/l #	36
96) 1,2,3-Trichlorobenzene	15.36	180	65	1.788	ug/l #	22

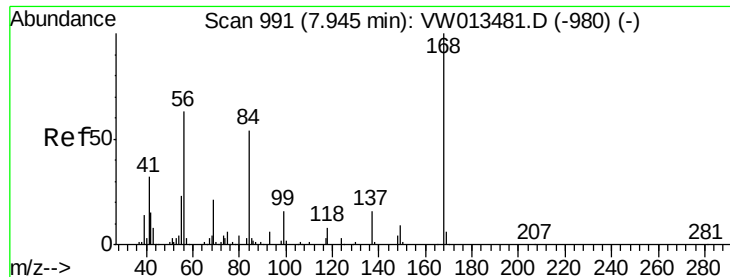
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

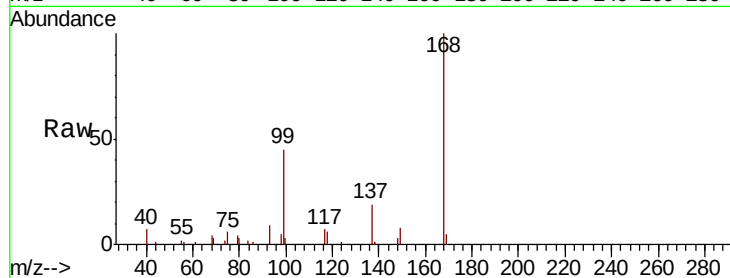
20190853-COMPOSITE-E

Tot Ion:168 Resp: 12959

Ion Ratio Lower Upper

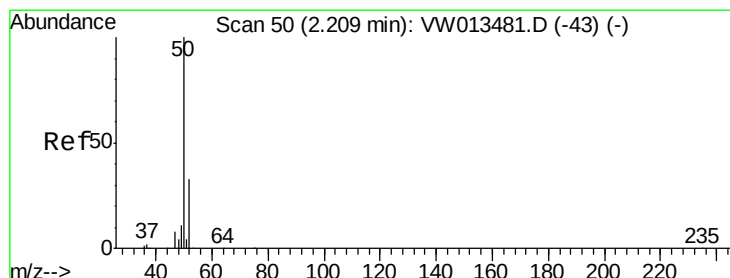
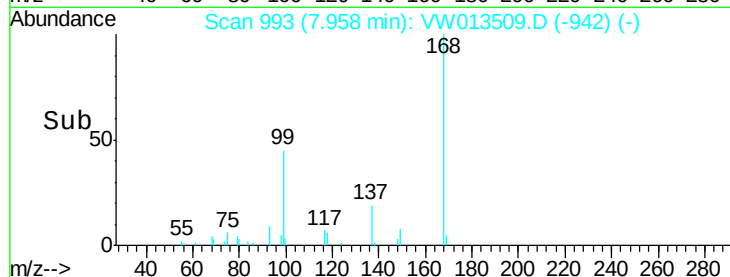
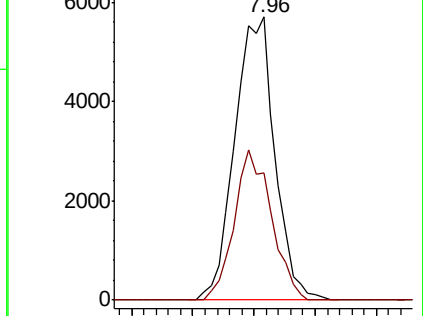
168 100

99 45.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 1.418 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW013509.D

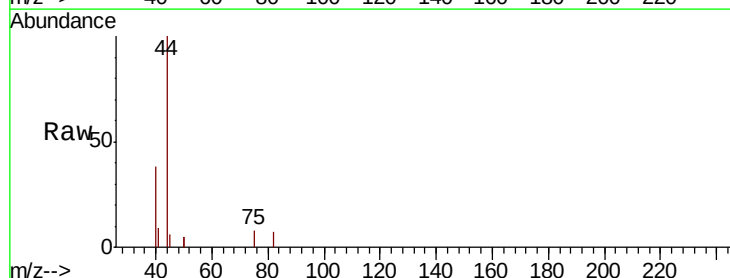
Acq: 09 Oct 2019 17:27

Tgt Ion: 50 Resp: 107

Ion Ratio Lower Upper

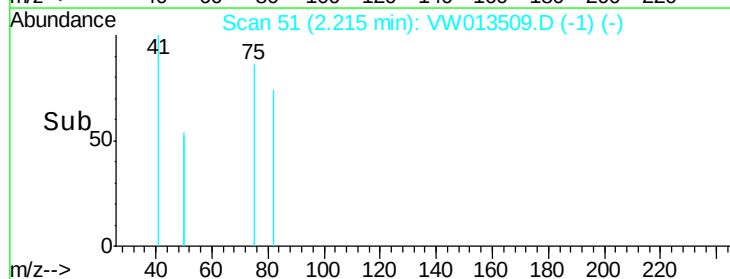
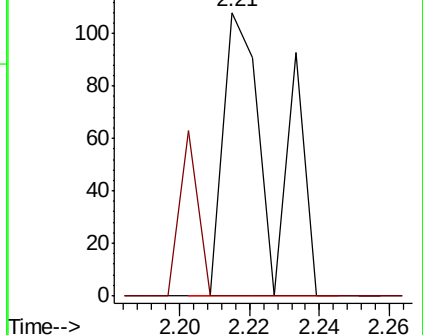
50 100

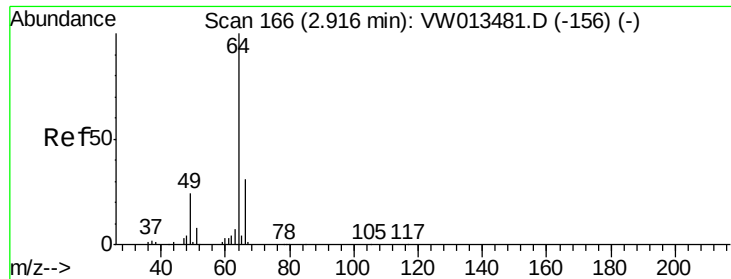
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 1.424 ug/l

RT: 2.81 min Scan# 148

Delta R.T. -0.11 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

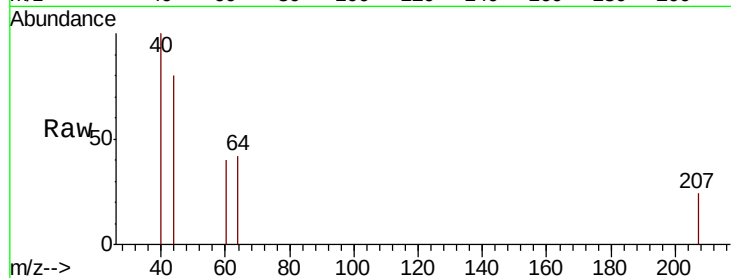
20190853-COMPOSITE-E

Tot Ion: 64 Resp: 89

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.81

100

80

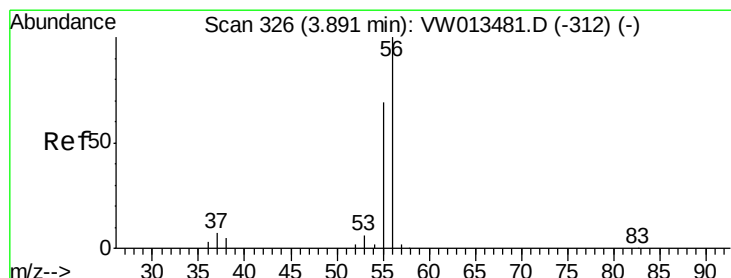
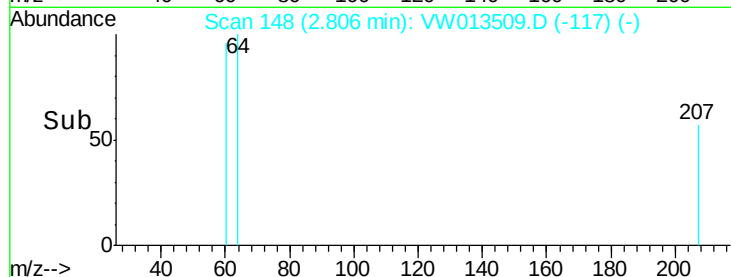
60

40

20

0

Time-->



#13

Acrolein

Concen: 13.510 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW013509.D

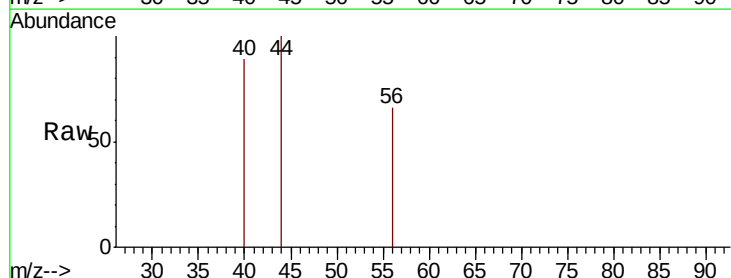
Acq: 09 Oct 2019 17:27

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.90

120

100

80

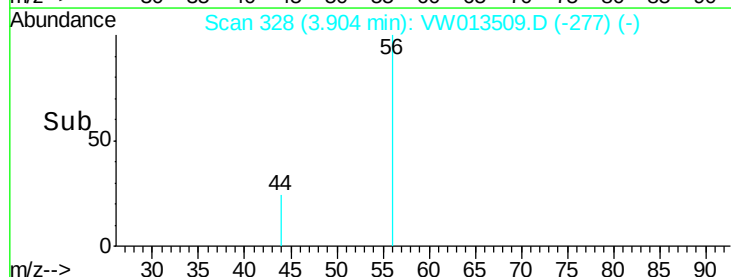
60

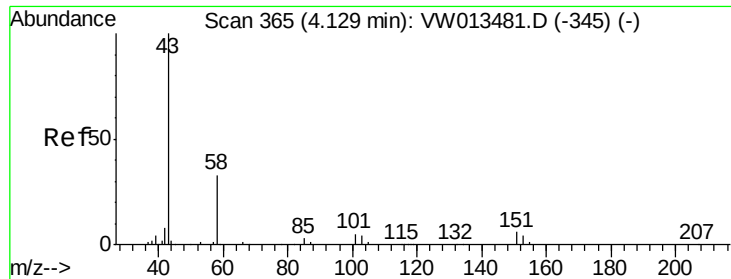
40

20

0

Time-->





#16

Acetone

Concen: 60.904 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

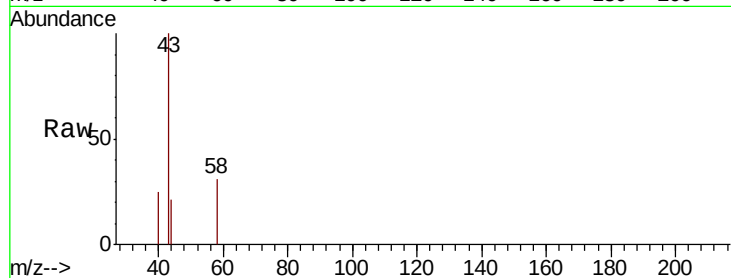
20190853-COMPOSITE-E

Tot Ion: 43 Resp: 1419

Ion Ratio Lower Upper

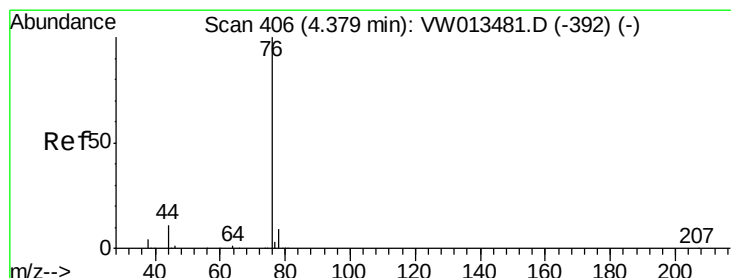
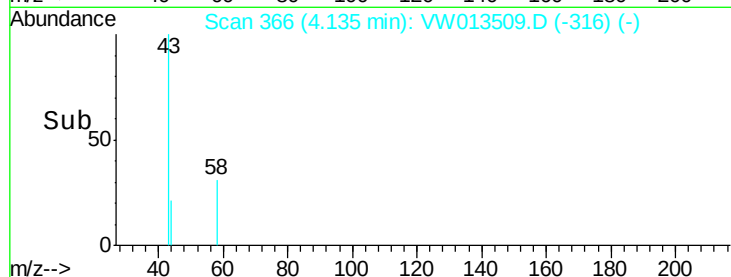
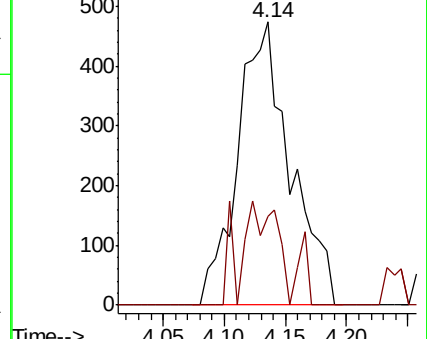
43 100

58 31.3 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 3.069 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW013509.D

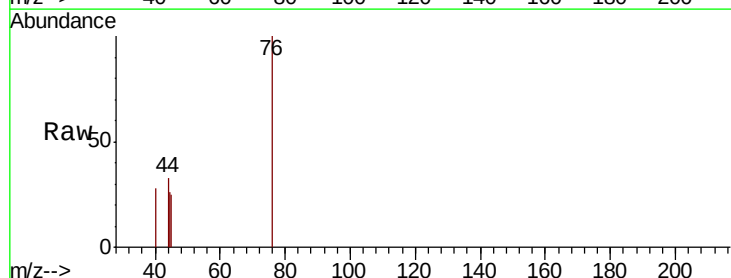
Acq: 09 Oct 2019 17:27

Tgt Ion: 76 Resp: 969

Ion Ratio Lower Upper

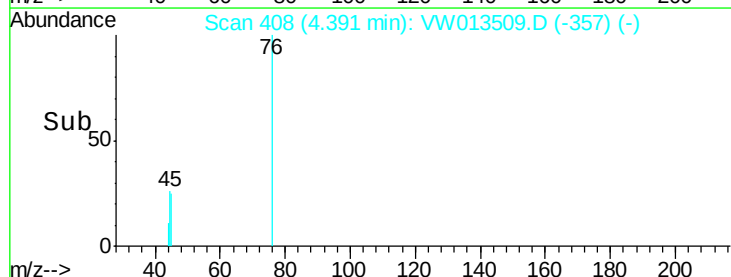
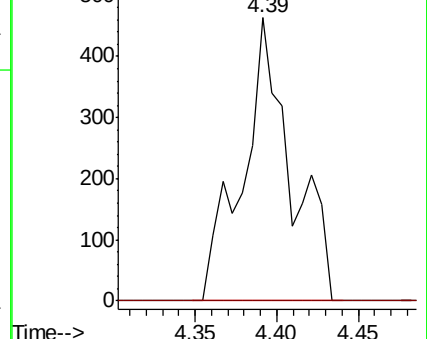
76 100

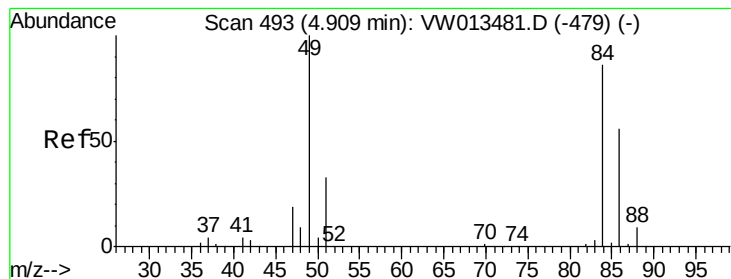
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



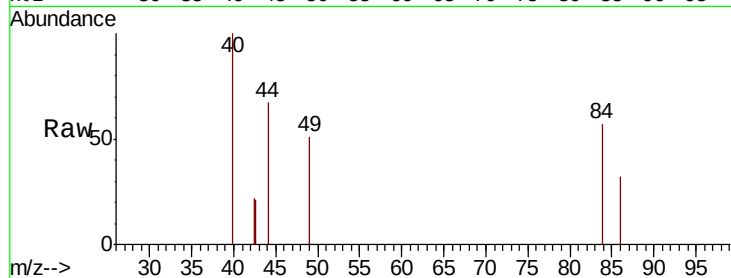


#20

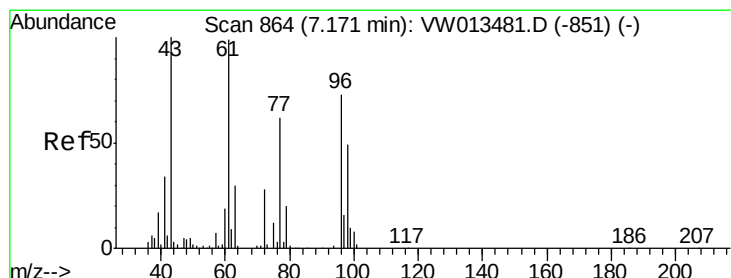
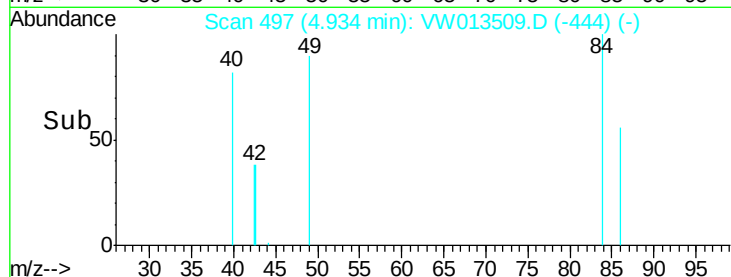
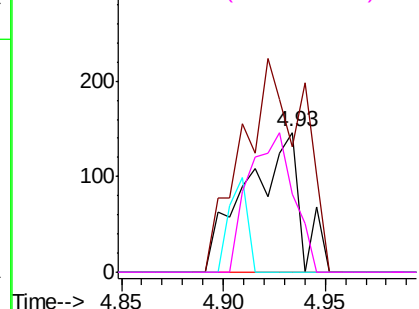
Methylene Chloride
 Concen: Below Cal
 RT: 4.93 min Scan# 497
 Delta R.T. 0.02 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

Tot Ion: 84 Resp: 269
 Ion Ratio Lower Upper
 84 100
 49 89.7 93.4 140.0#
 51 0.0 30.6 46.0#
 86 56.2 52.3 78.5



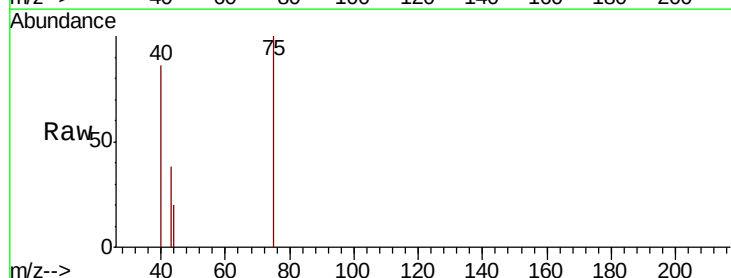
Abundance Ion 83.90 (83.60 to 84.60): VW
 Ion 48.90 (48.60 to 49.60): VW
 Ion 50.90 (50.60 to 51.60): VW
 Ion 85.90 (85.60 to 86.60): VW



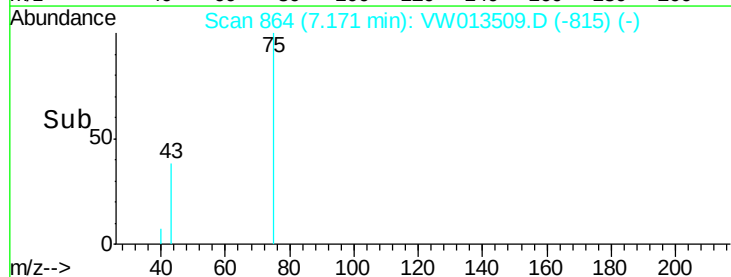
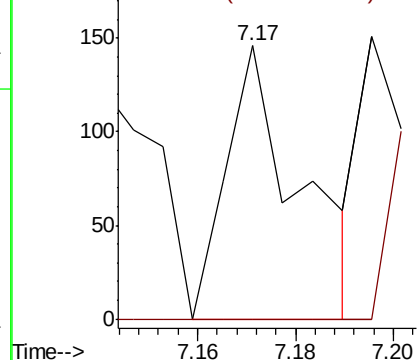
#25

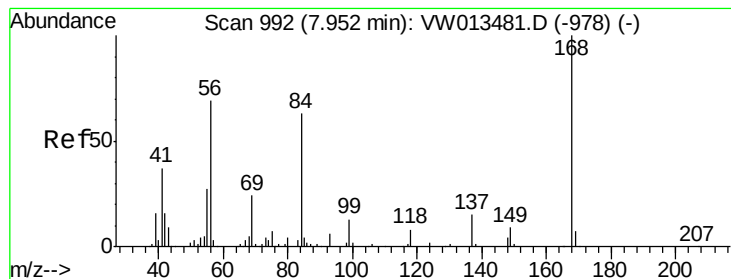
2-Butanone
 Concen: 4.398 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Tgt Ion: 43 Resp: 151
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.045 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013509.D

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ClientSampleId :

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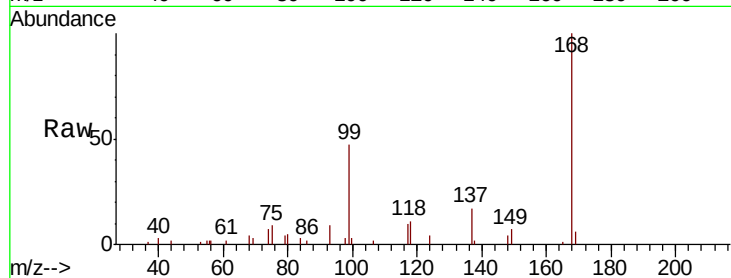
Tot Ion: 56 Resp: 219

Ion Ratio Lower Upper

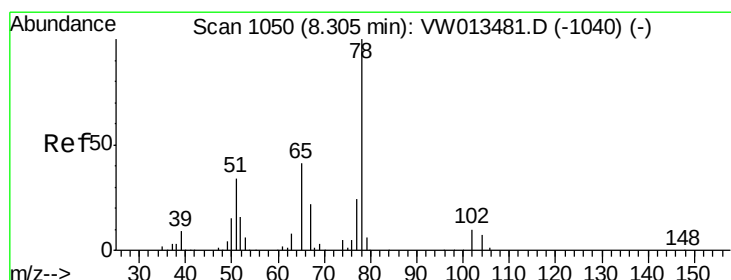
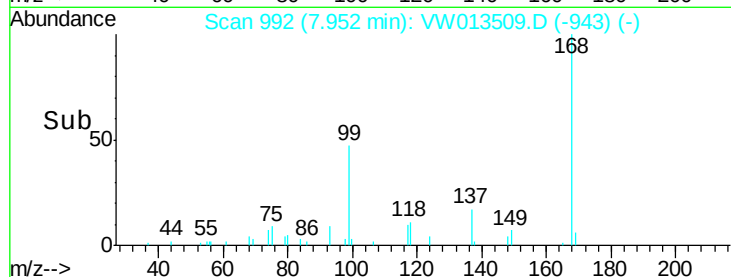
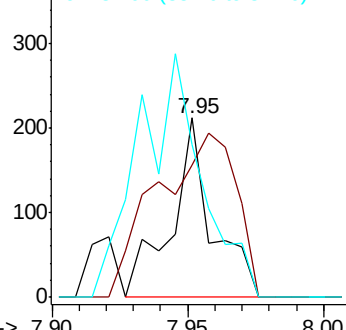
56 100

69 73.6 28.0 42.0#

84 84.9 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



#33

1,2-Dichloroethane-d4

Concen: 50.918 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013509.D

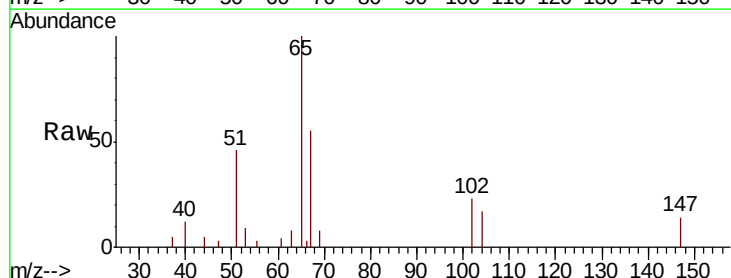
Acq: 09 Oct 2019 17:27

Tgt Ion: 65 Resp: 5098

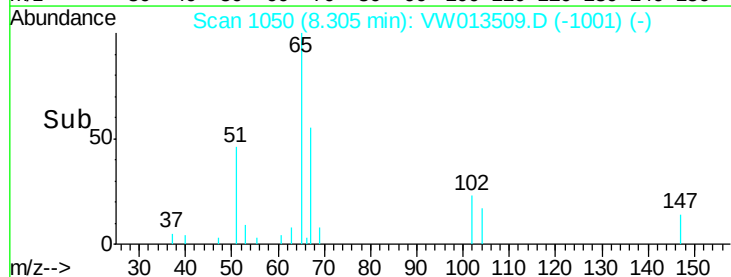
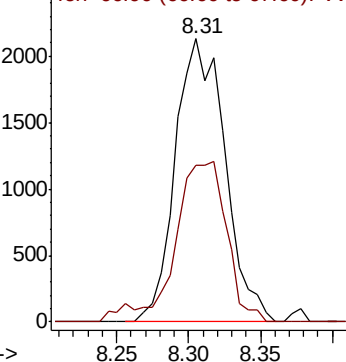
Ion Ratio Lower Upper

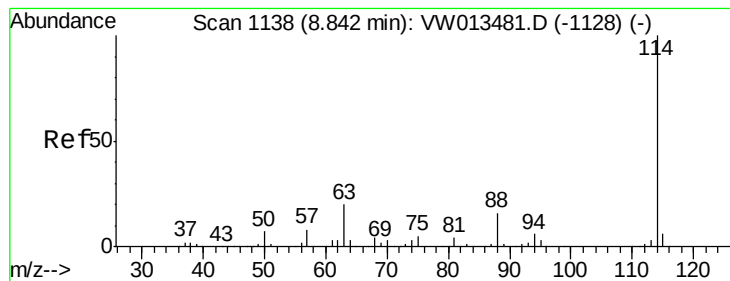
65 100

67 56.2 0.0 109.4



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: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

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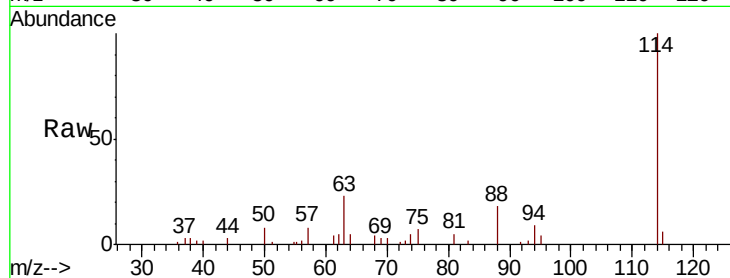
Tot Ion:114 Resp: 17593

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.4

88 18.0 0.0 31.4



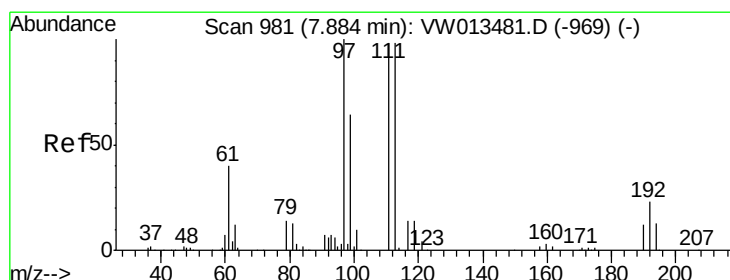
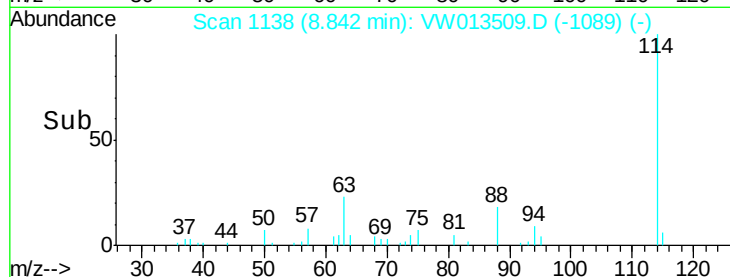
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

Time-->



#35

Dibromofluoromethane

Concen: 51.089 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

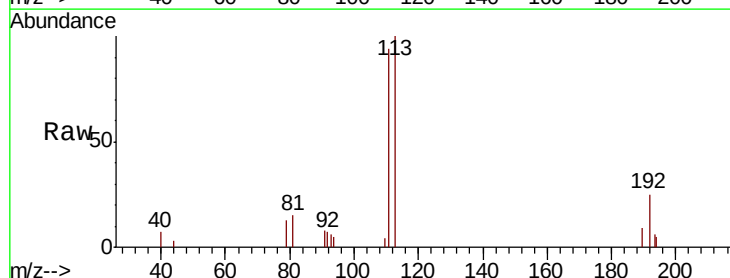
Tgt Ion:113 Resp: 5020

Ion Ratio Lower Upper

113 100

111 105.9 82.3 123.5

192 25.3 19.3 28.9



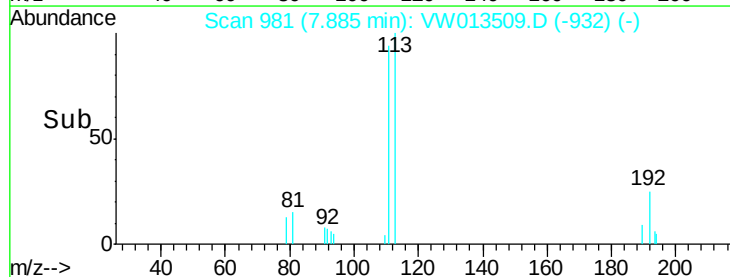
Abundance Ion 112.80 (112.50 to 113.50): V

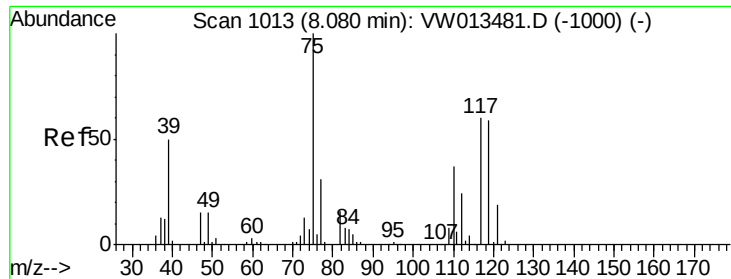
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.88

Time-->

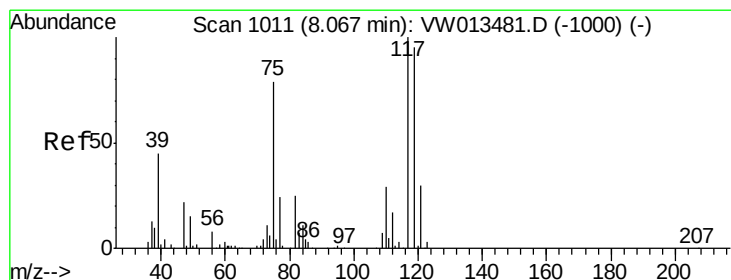
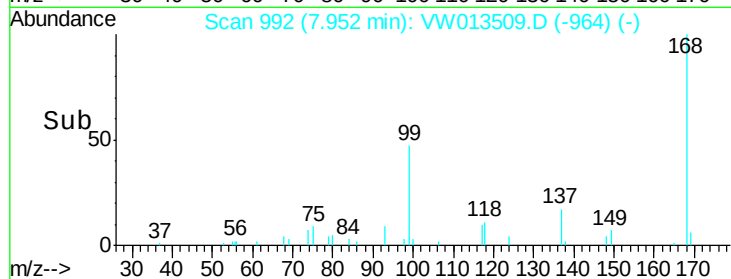
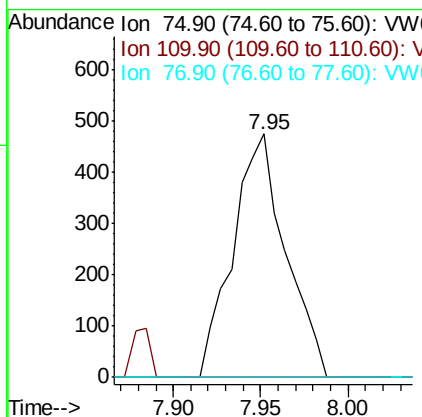
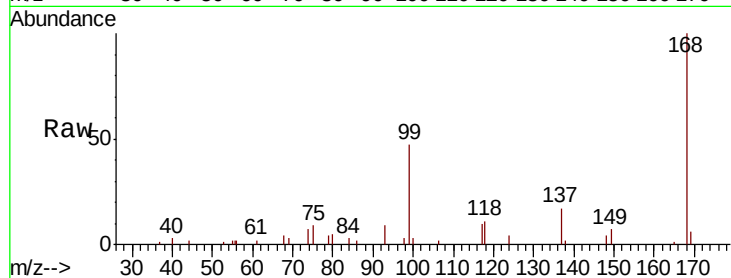




#36
 1,1-Dichloropropene
 Concen: 6.283 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

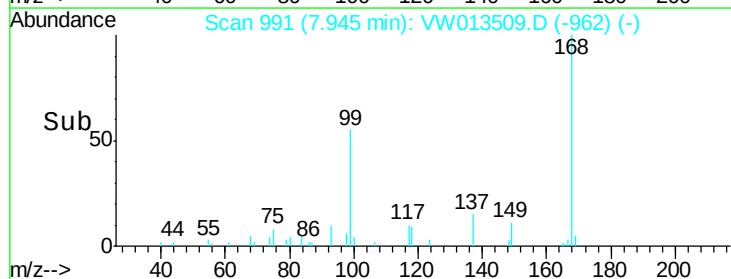
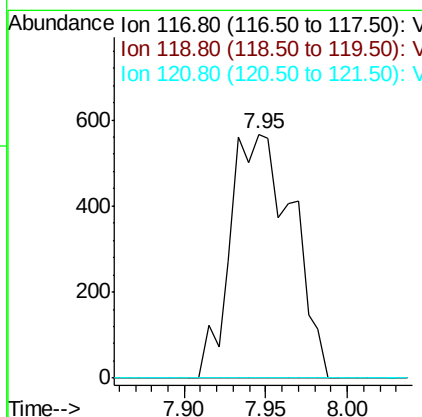
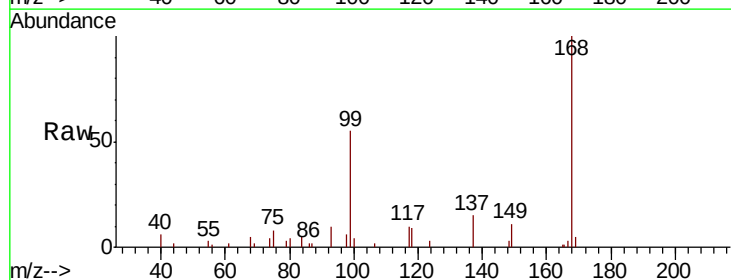
Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

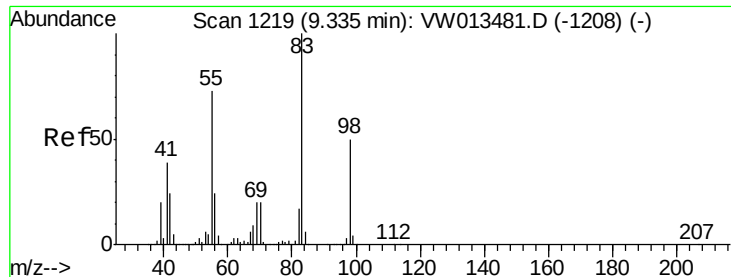
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.4	55.2#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 10.639 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.3	114.5#
121	0.0	23.6	35.4#

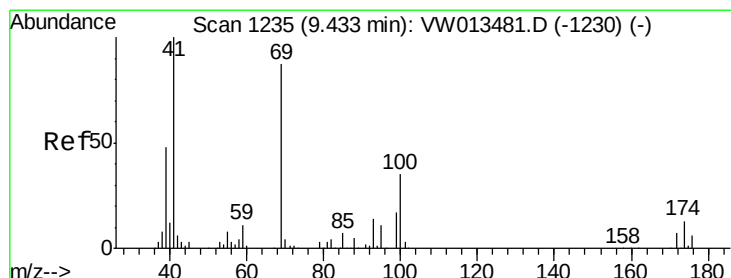
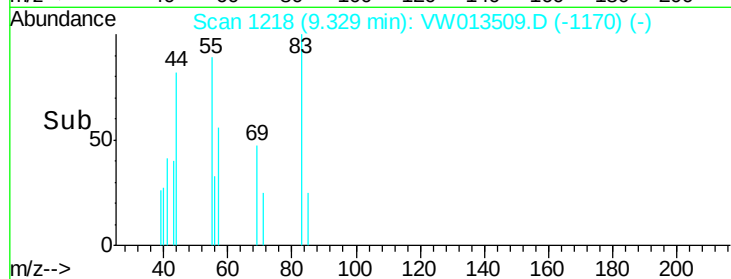
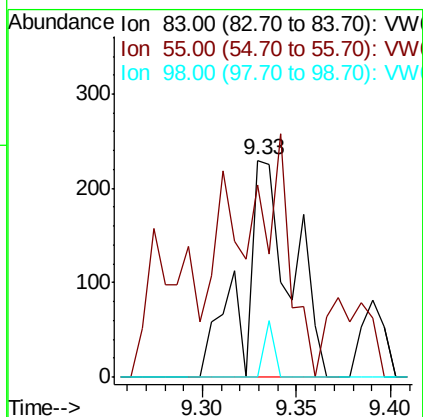
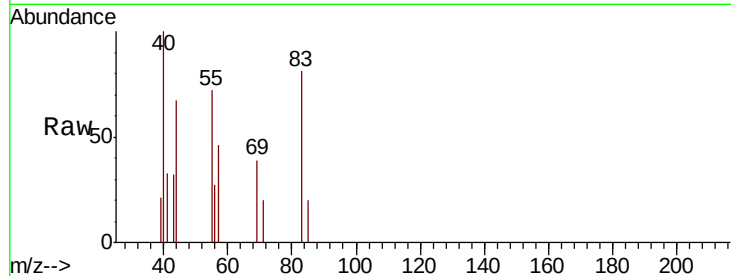




#39
Methylcyclohexane
Concen: 1.954 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

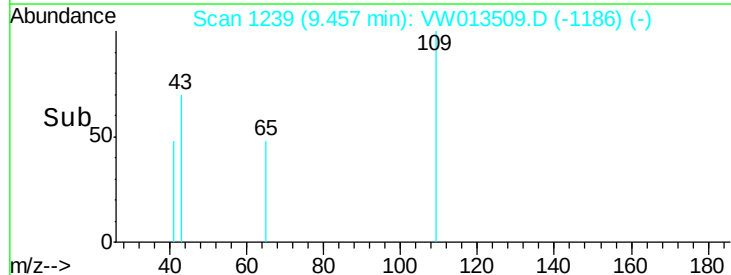
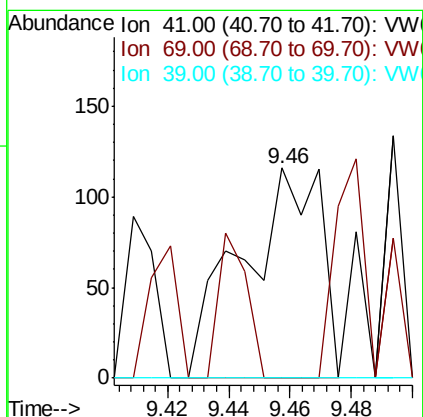
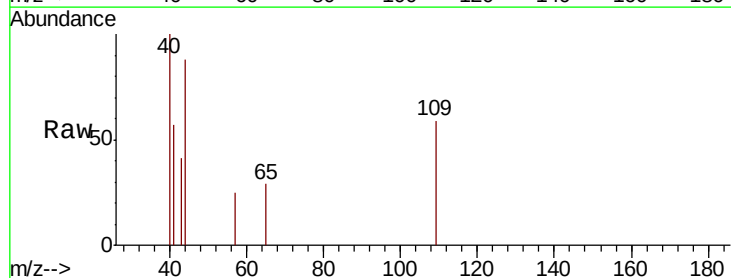
Instrument :
MSVOA_W
ClientSampleId :
20190853-COMPOSITE-E

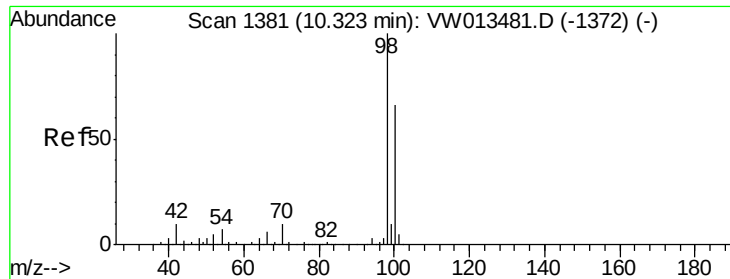
Tot Ion: 83 Resp: 403
Ion Ratio Lower Upper
83 100
55 52.2 58.2 87.4#
98 0.0 39.8 59.6#



#48
Methyl methacrylate
Concen: 3.206 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Tgt Ion: 41 Resp: 206
Ion Ratio Lower Upper
41 100
69 24.8 70.4 105.6#
39 0.0 37.3 55.9#





#50

Toluene-d8

Concen: 45.225 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

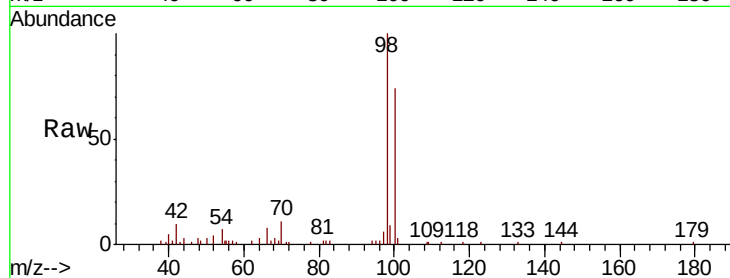
20190853-COMPOSITE-E

Tot Ion: 98 Resp: 18675

Ion Ratio Lower Upper

98 100

100 69.1 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

12000

10000

8000

6000

4000

2000

0

10.25

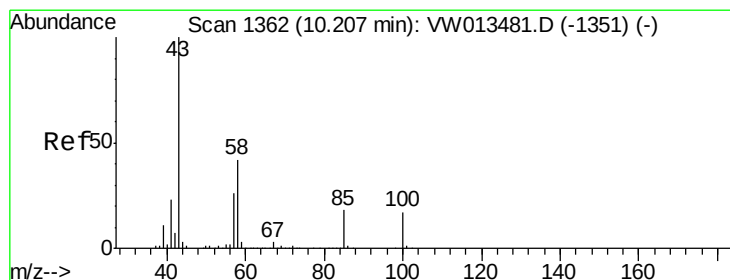
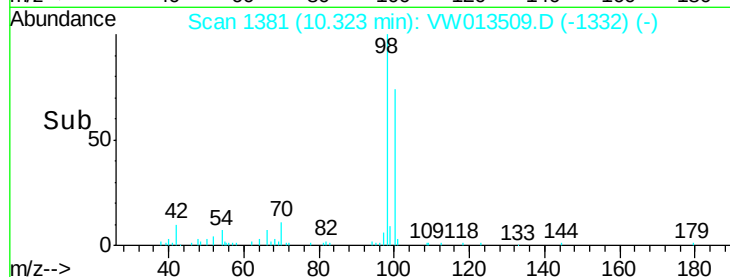
10.30

10.32

10.35

10.40

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.464 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013509.D

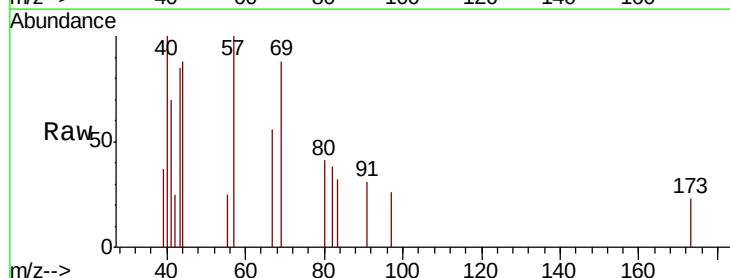
Acq: 09 Oct 2019 17:27

Tgt Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

250

200

150

100

50

0

10.16

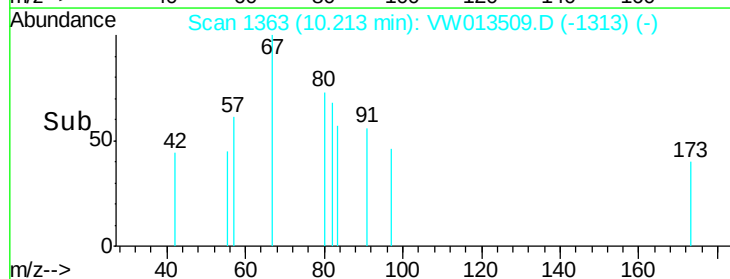
10.18

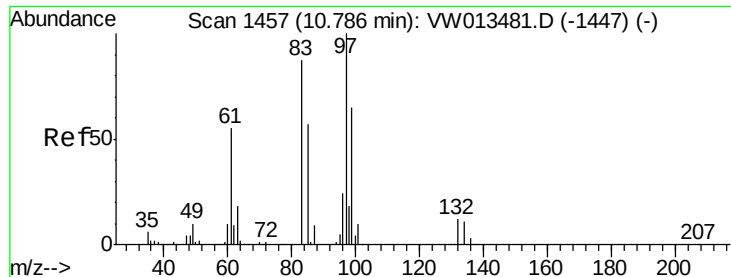
10.20

10.21

10.22

Time-->





#55

1,1,2-Trichloroethane

Concen: 2.358 ug/l

RT: 10.80 min Scan# 1459

Delta R.T. 0.01 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

20190853-COMPOSITE-E

Tot Ion: 97 Resp: 188

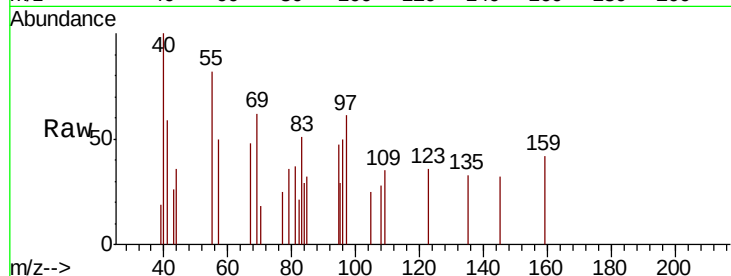
Ion Ratio Lower Upper

97 100

83 83.7 69.8 104.8

85 21.9 45.4 68.0#

99 0.0 51.9 77.9#

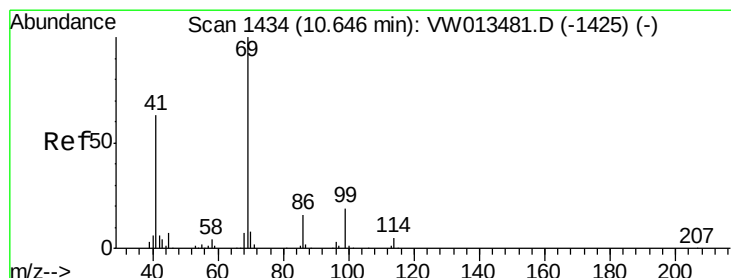
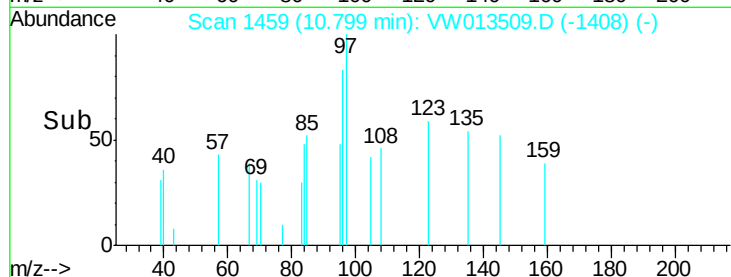
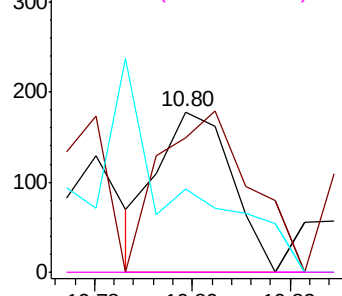


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 1.164 ug/l

RT: 10.66 min Scan# 1436

Delta R.T. 0.01 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

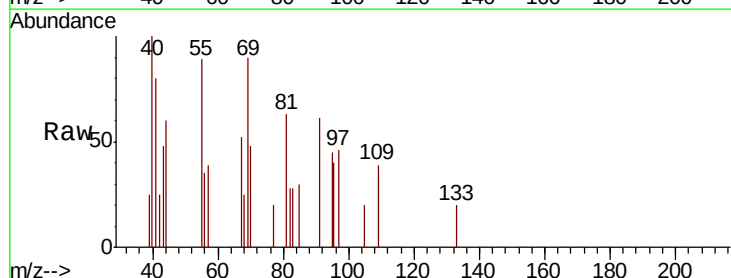
Tgt Ion: 69 Resp: 125

Ion Ratio Lower Upper

69 100

41 247.2 51.8 77.6#

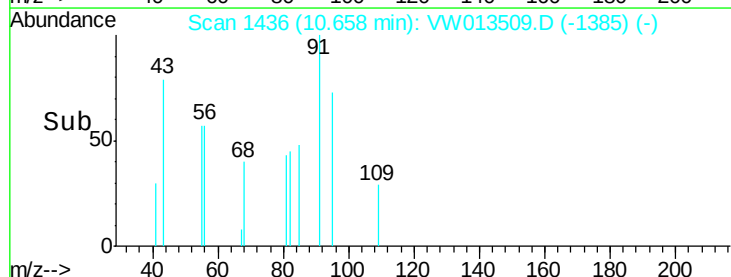
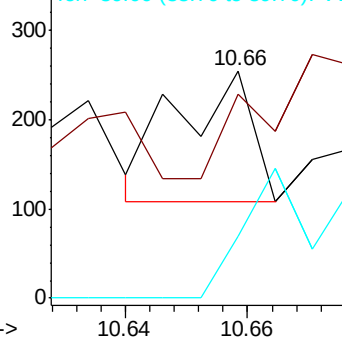
39 79.2 21.7 32.5#

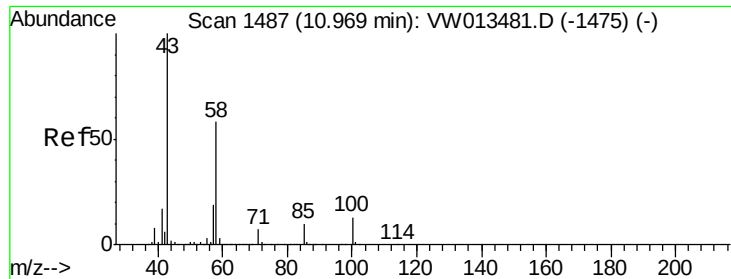


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

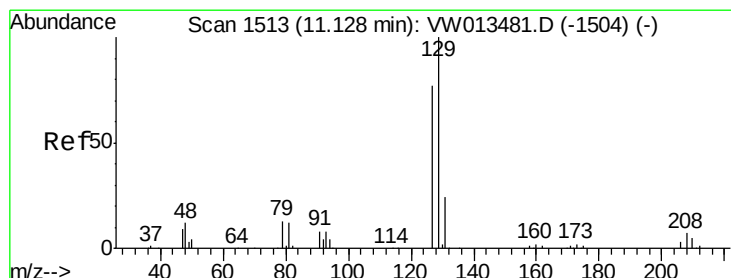
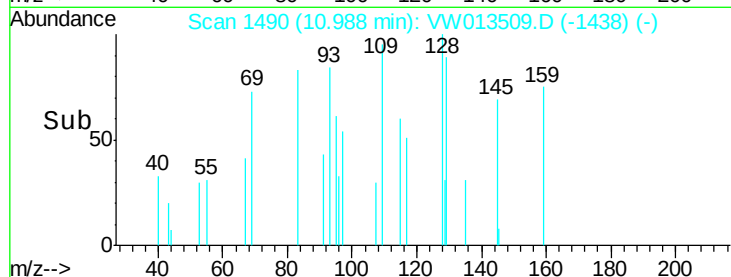
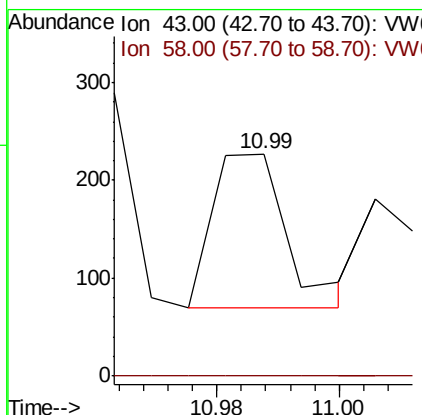
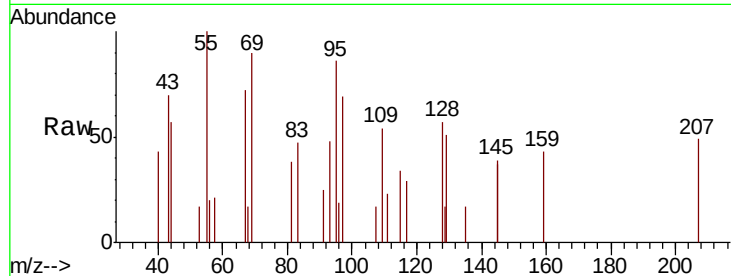




#59
2-Hexanone
Concen: 2.785 ug/l
RT: 10.99 min Scan# 1490
Delta R.T. 0.02 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

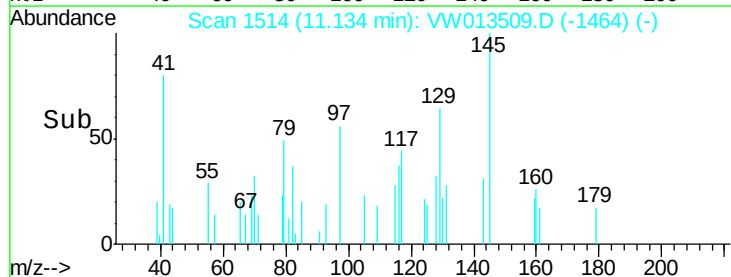
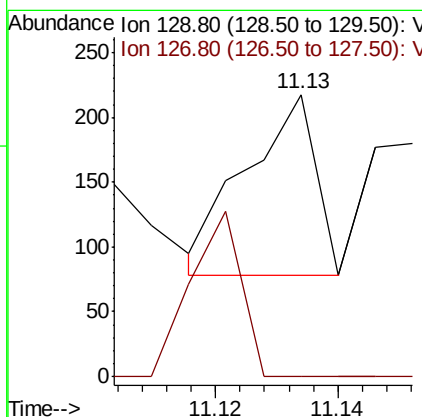
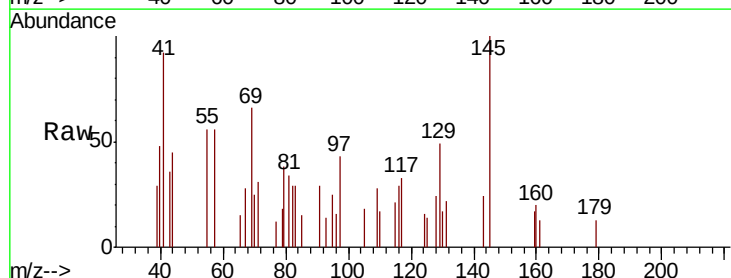
Instrument :
MSVOA_W
ClientSampleId :
20190853-COMPOSITE-E

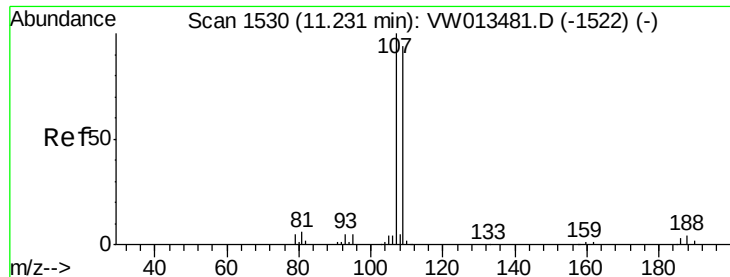
Tot Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#60
Dibromochloromethane
Concen: 1.200 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Tgt Ion: 129 Resp: 110
Ion Ratio Lower Upper
129 100
127 66.4 37.4 112.1

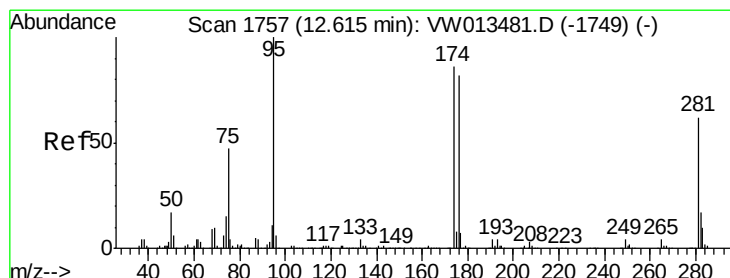
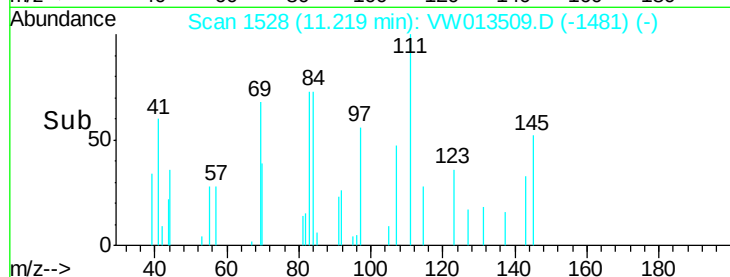
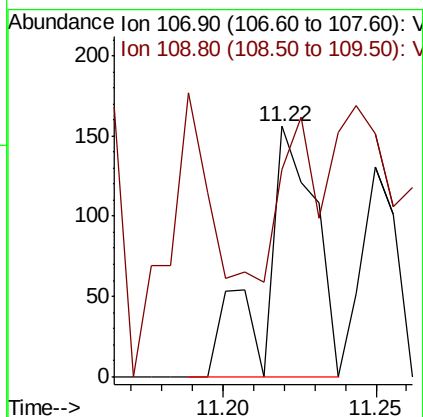
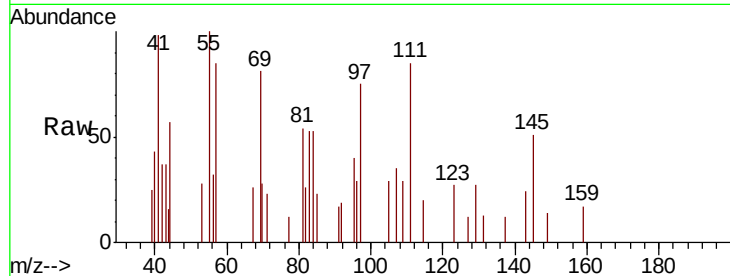




#61
 1,2-Dibromoethane
 Concen: 2.373 ug/l
 RT: 11.22 min Scan# 1528
 Delta R.T. -0.01 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

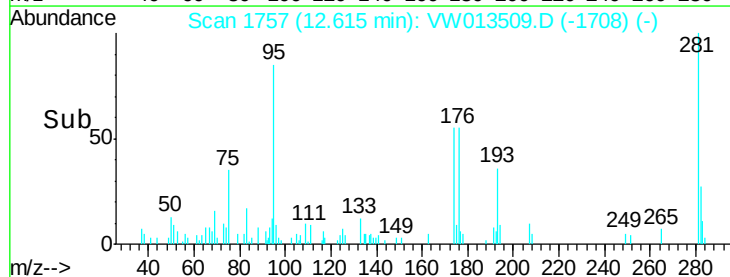
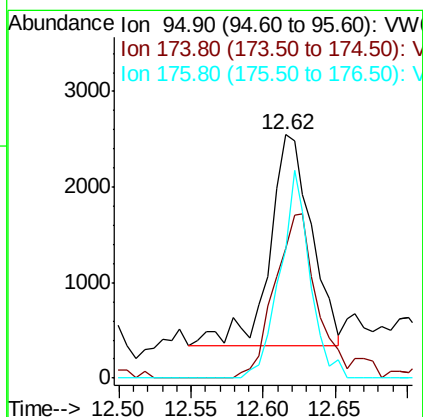
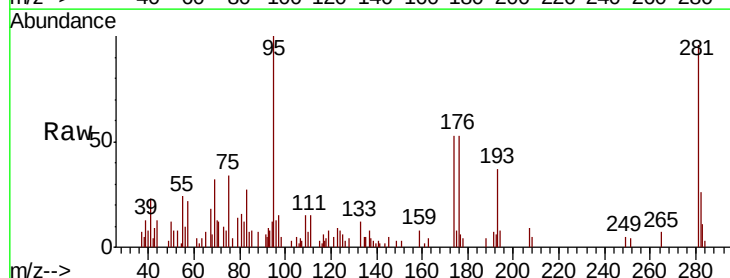
Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

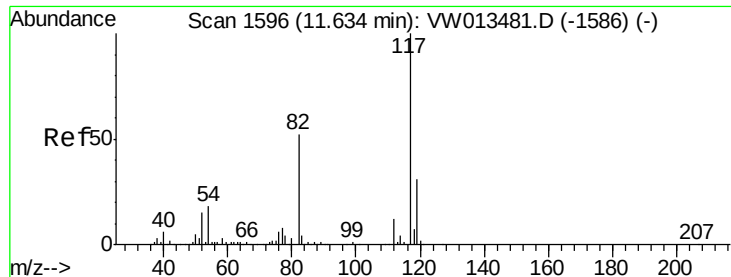
Tot Ion: 107 Resp: 180
 Ion Ratio Lower Upper
 107 100
 109 43.3 76.6 115.0#



#62
 4-Bromofluorobenzene
 Concen: 32.267 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Tgt Ion: 95 Resp: 4476
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 177.4
 176 70.6 0.0 173.4

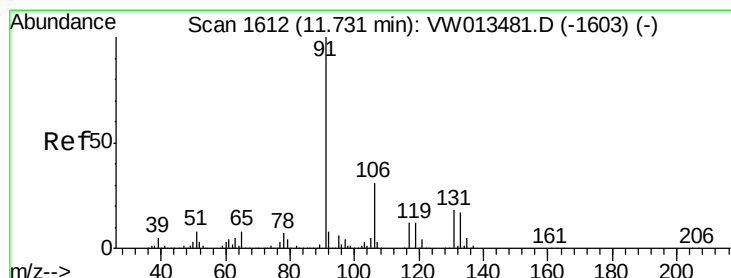
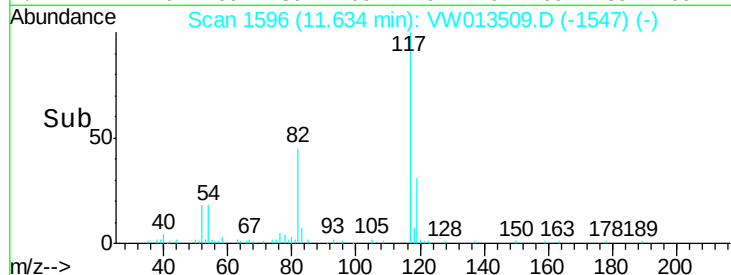
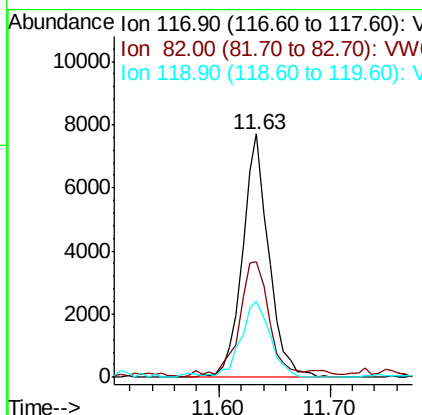
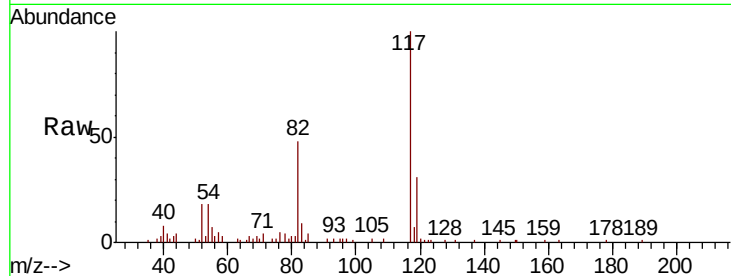




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

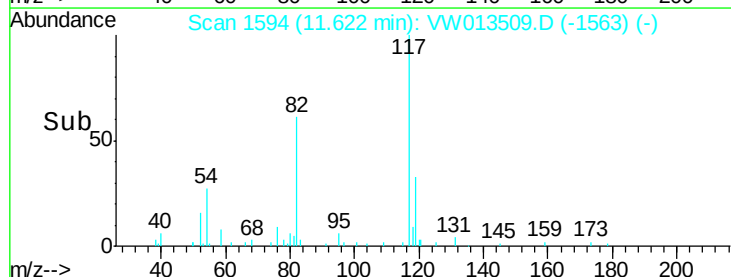
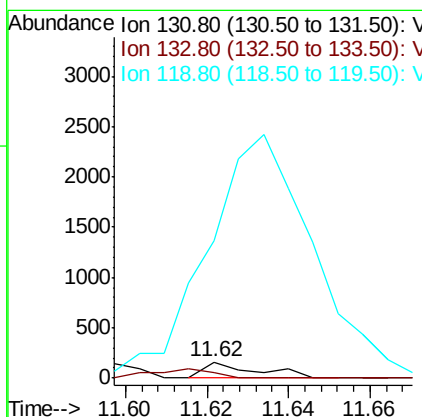
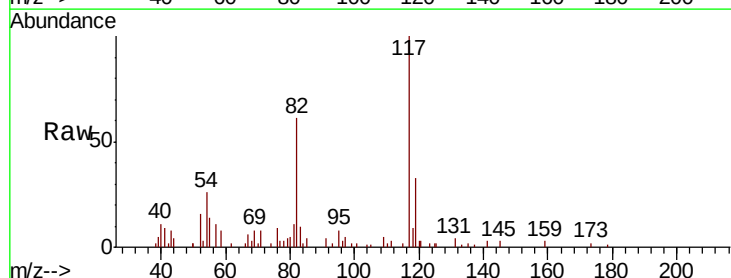
Instrument :
MSVOA_W
ClientSampleId :
20190853-COMPOSITE-E

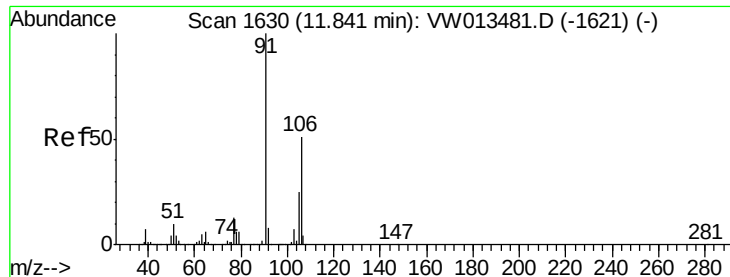
Tot Ion:117 Resp: 12582
Ion Ratio Lower Upper
117 100
82 46.9 41.4 62.2
119 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 1.647 ug/l
RT: 11.62 min Scan# 1594
Delta R.T. -0.11 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Tgt Ion:131 Resp: 143
Ion Ratio Lower Upper
131 100
133 65.0 47.6 142.9
119 3105.6 32.6 98.0#

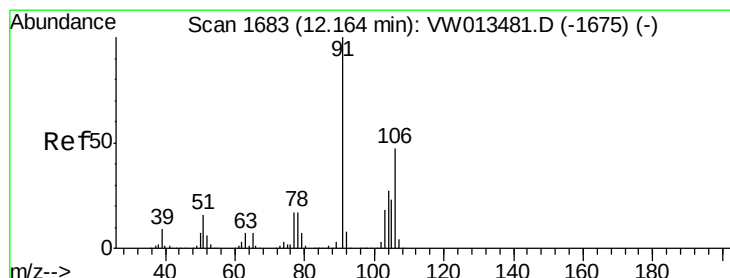
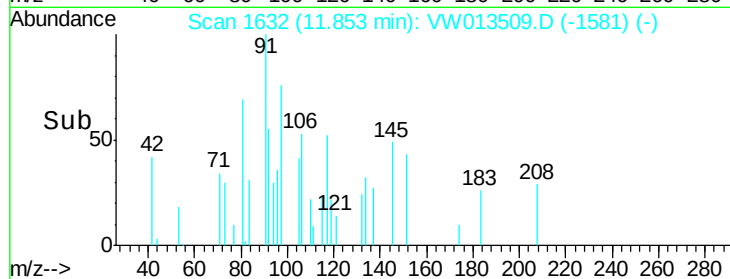
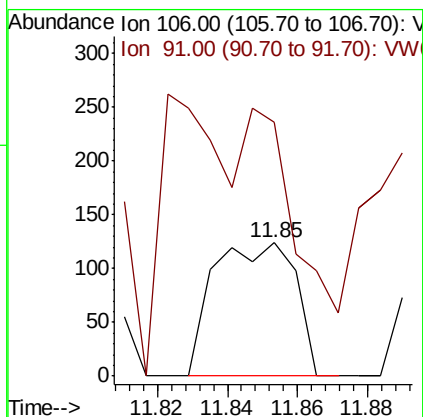
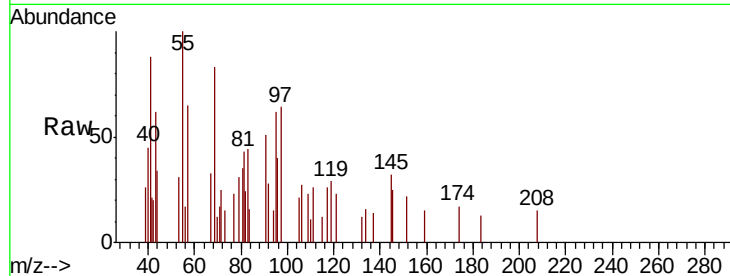




#68
m/p-Xylenes
Concen: 1.150 ug/l
RT: 11.85 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

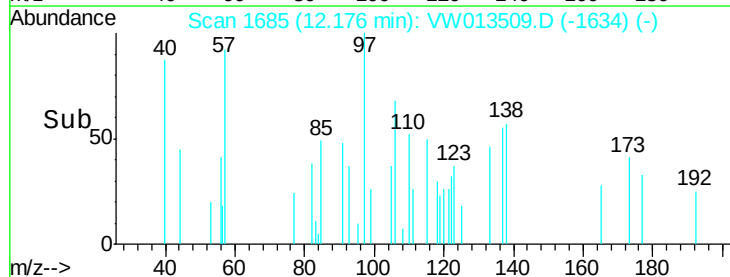
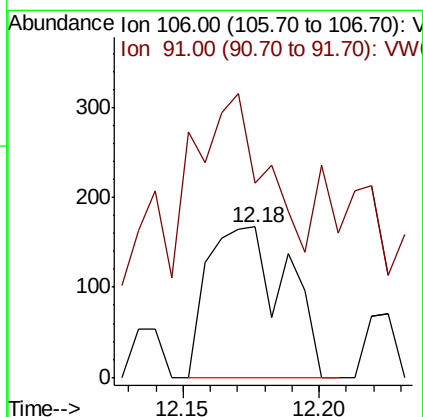
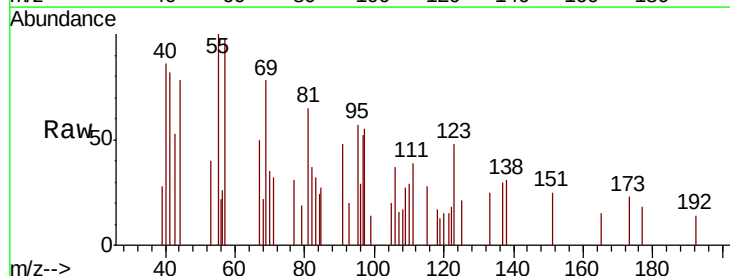
Instrument :
MSVOA_W
ClientSampleId :
20190853-COMPOSITE-E

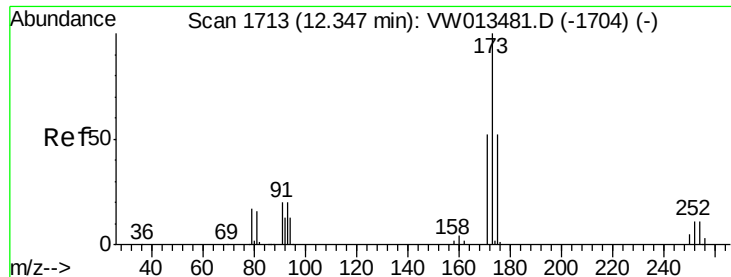
Tot Ion:106 Resp: 200
Ion Ratio Lower Upper
106 100
91 0.0 156.2 234.4#



#69
o-Xylene
Concen: 2.079 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Tgt Ion:106 Resp: 334
Ion Ratio Lower Upper
106 100
91 161.4 105.0 315.0





#71

Bromoform

Concen: 7.451 ug/l

RT: 12.32 min Scan# 1709

Delta R.T. -0.02 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

20190853-COMPOSITE-E

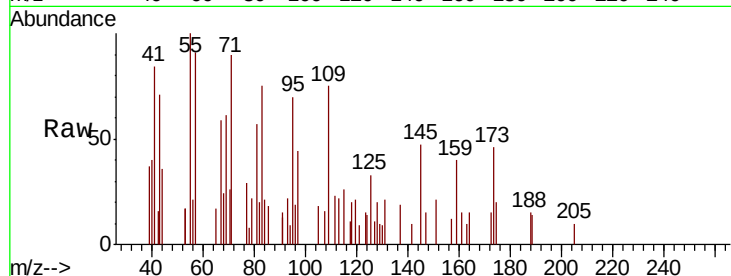
Tot Ion:173 Resp: 355

Ion Ratio Lower Upper

173 100

175 6.8 24.4 73.4#

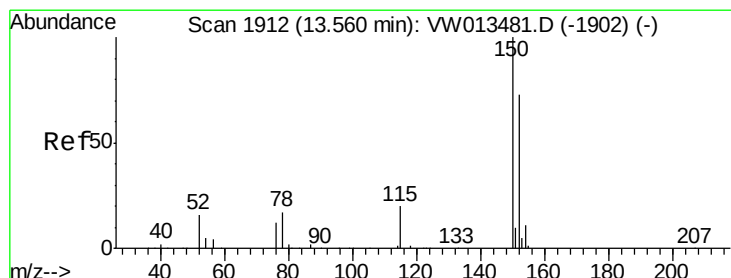
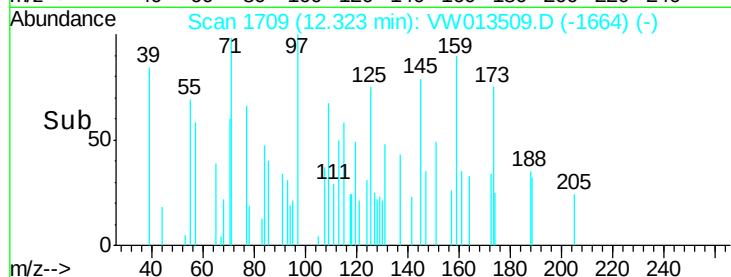
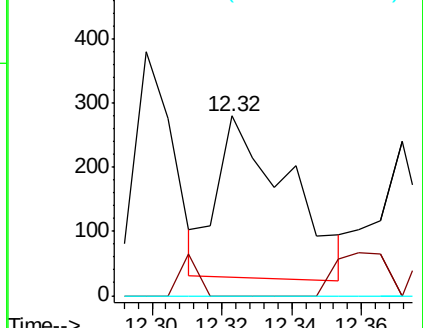
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

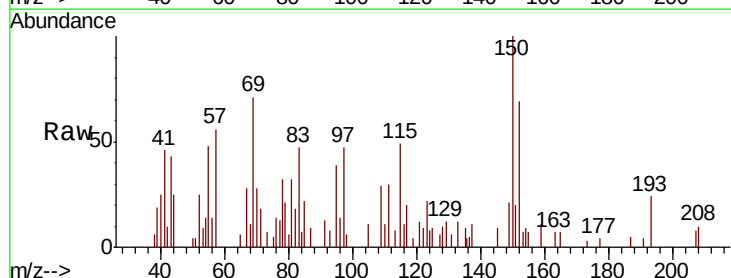
Tgt Ion:152 Resp: 2070

Ion Ratio Lower Upper

152 100

115 53.1 27.0 81.0

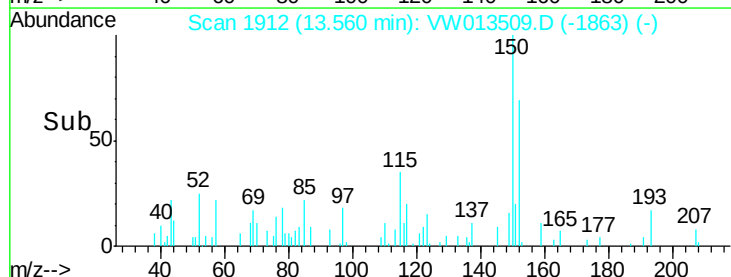
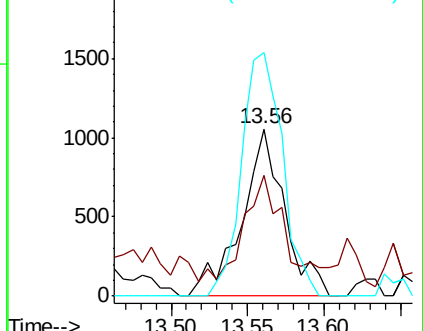
150 138.3 0.0 337.4

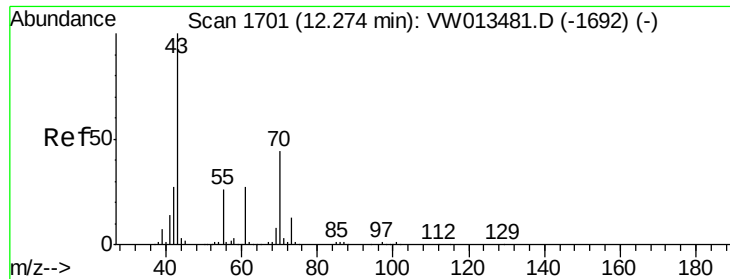


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

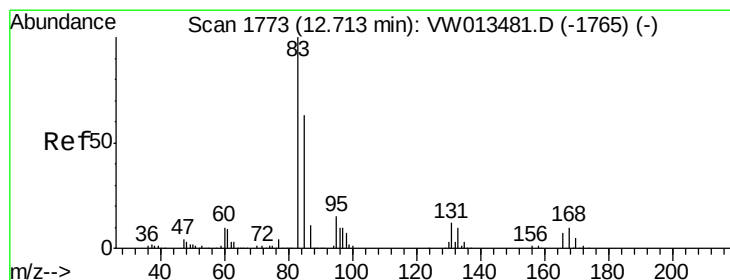
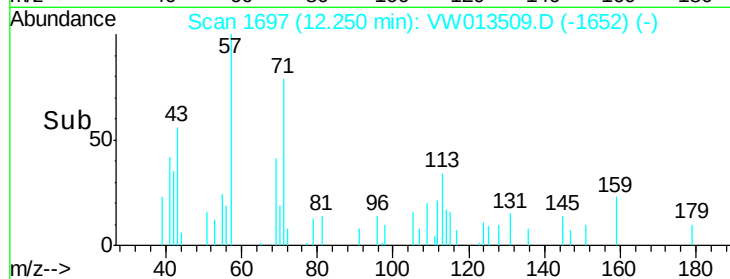
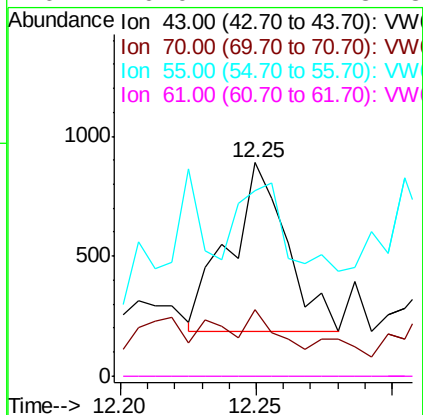
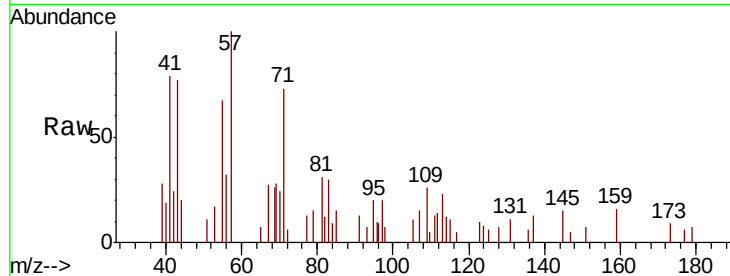




#74
N-amvl acetate
Concen: 32.070 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

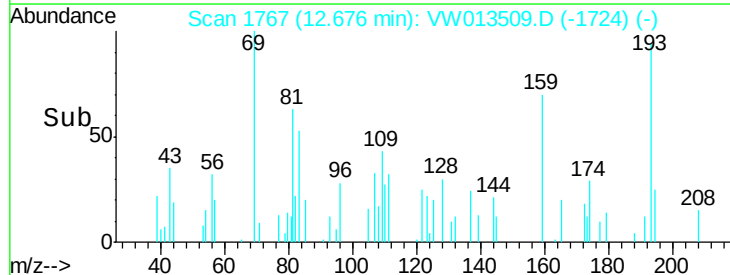
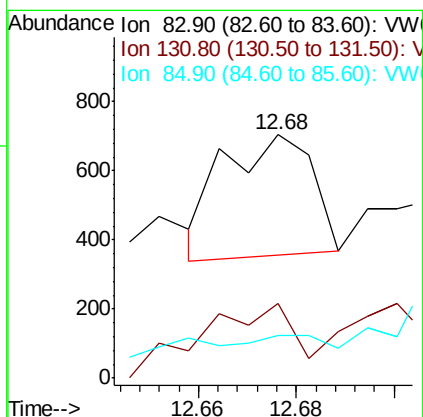
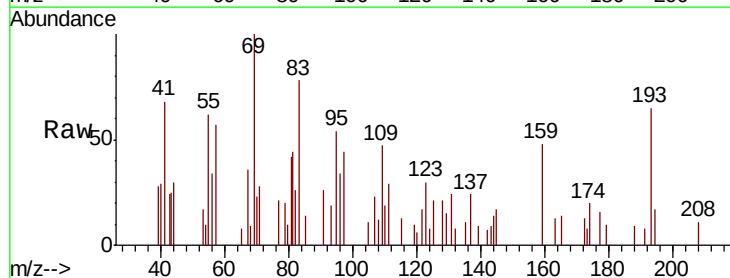
Instrument :
MSVOA_W
ClientSampleId :
20190853-COMPOSITE-E

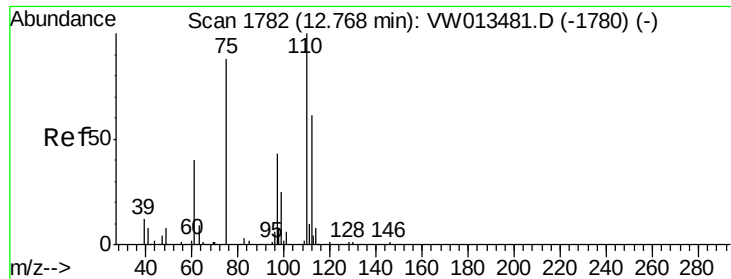
Tot Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
70 0.0 35.3 52.9#
55 40.1 20.0 30.0#
61 0.0 21.2 31.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 17.529 ug/l
RT: 12.68 min Scan# 1767
Delta R.T. -0.04 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Tgt Ion: 83 Resp: 443
Ion Ratio Lower Upper
83 100
131 65.5 5.9 17.7#
85 16.9 32.5 97.4#

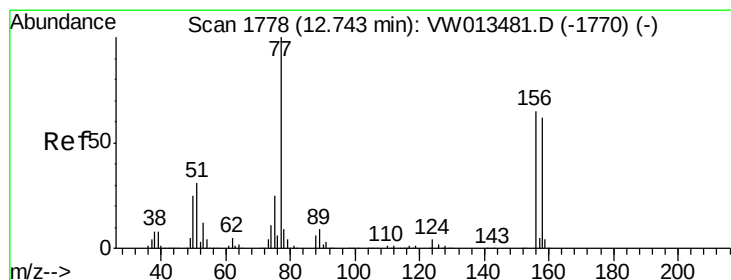
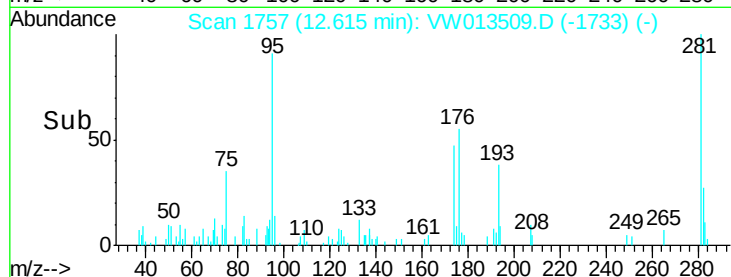
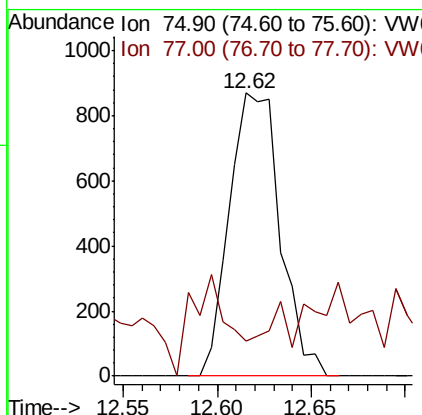
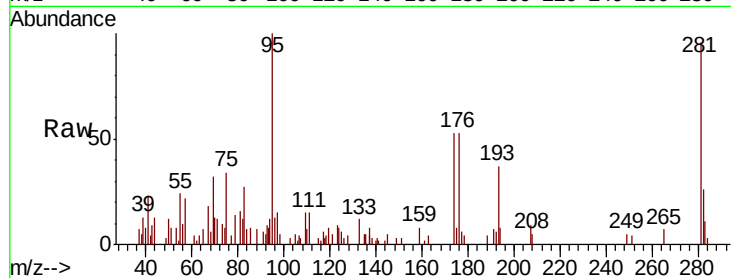




#76
 1,2,3-Trichloropropane
 Concen: 94.199 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

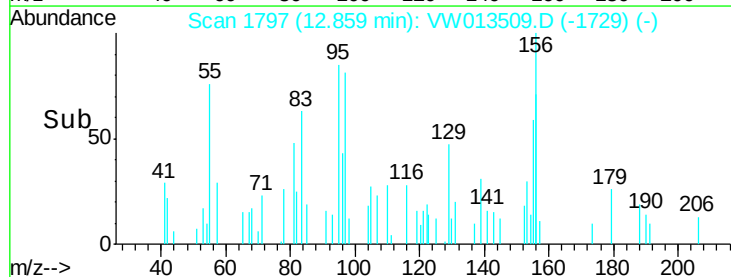
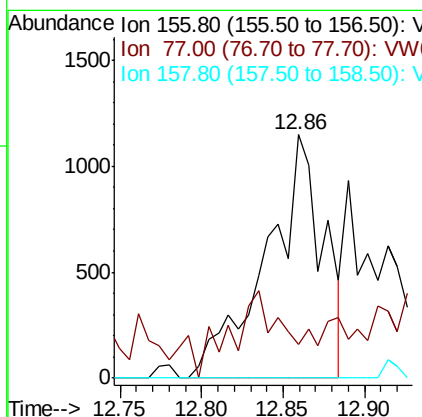
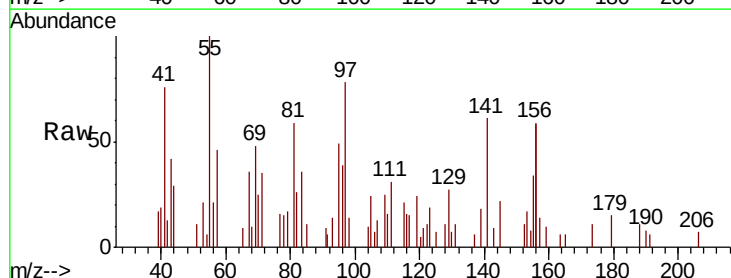
Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

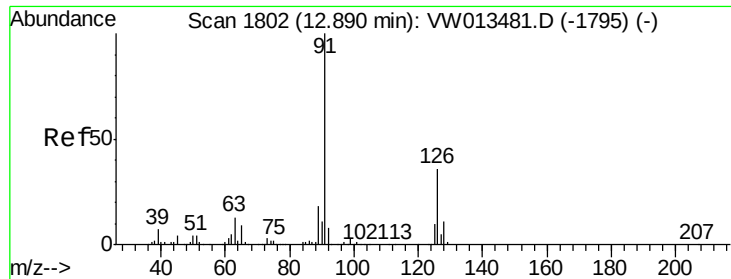
Tot Ion: 75 Resp: 1624
 Ion Ratio Lower Upper
 75 100
 77 26.4 0.0 0.0#



#77
 Bromobenzene
 Concen: 78.985 ug/l
 RT: 12.86 min Scan# 1797
 Delta R.T. 0.12 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Tgt Ion: 156 Resp: 2776
 Ion Ratio Lower Upper
 156 100
 77 0.0 83.7 251.0#
 158 0.0 49.0 147.0#

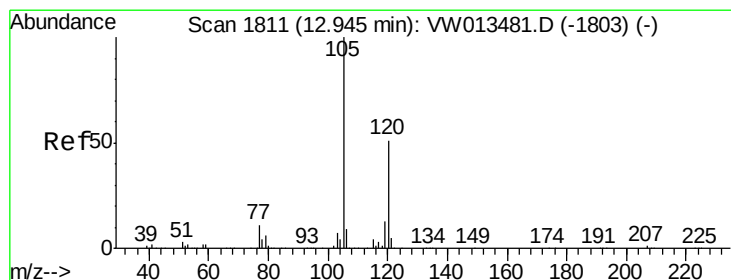
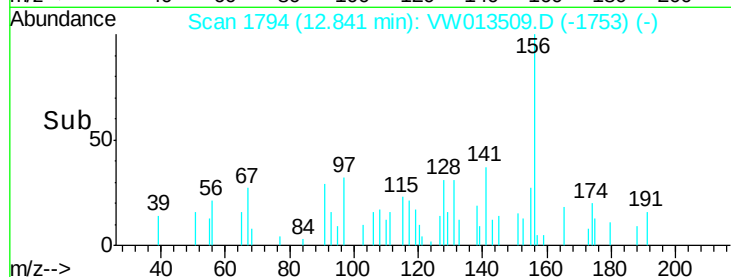
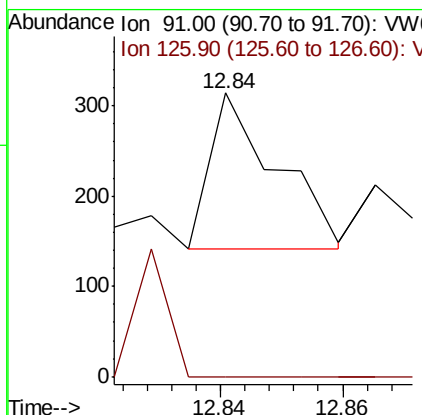
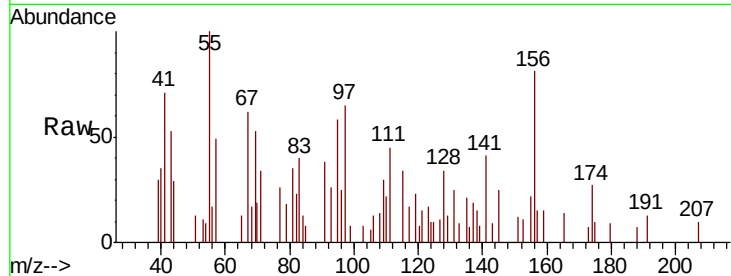




#79
 2-Chlorotoluene
 Concen: 1.343 ug/l
 RT: 12.84 min Scan# 1794
 Delta R.T. -0.05 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

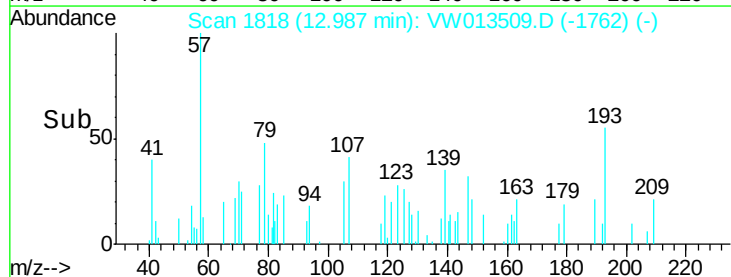
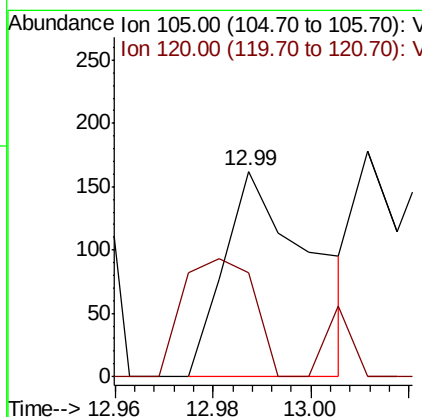
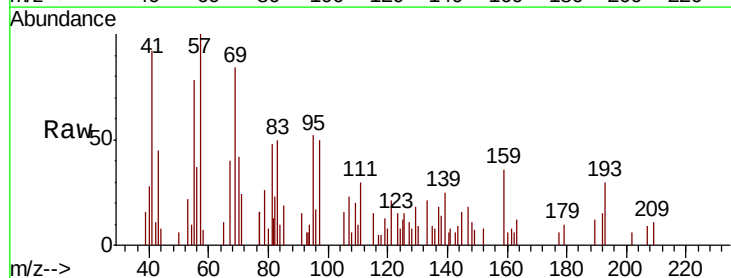
Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

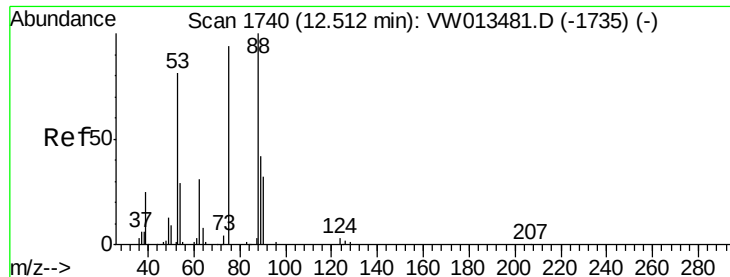
Tot Ion: 91 Resp: 129
 Ion Ratio Lower Upper
 91 100
 126 40.3 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 1.615 ug/l
 RT: 12.99 min Scan# 1818
 Delta R.T. 0.04 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Tgt Ion: 105 Resp: 199
 Ion Ratio Lower Upper
 105 100
 120 47.2 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 192.557 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

20190853-COMPOSITE-E

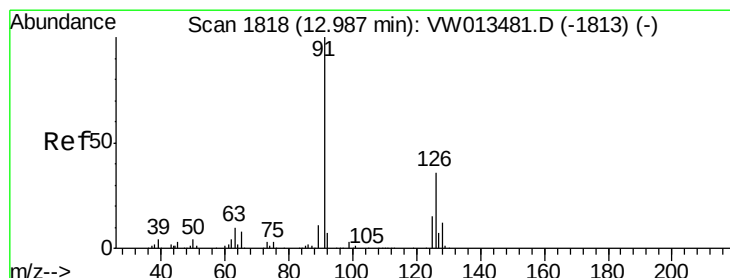
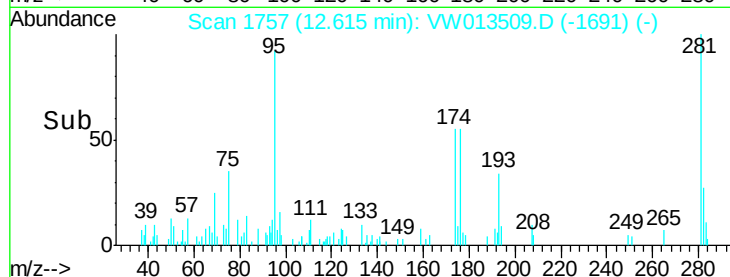
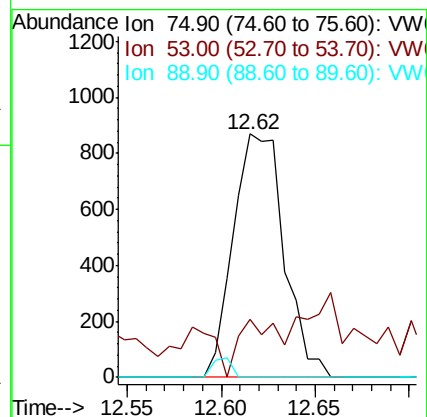
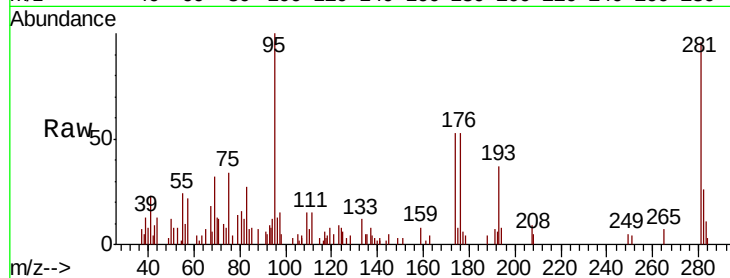
Tot Ion: 75 Resp: 1624

Ion Ratio Lower Upper

75 100

53 18.5 71.0 106.6#

89 3.0 36.1 54.1#



#82

4-Chlorotoluene

Concen: 5.266 ug/l

RT: 13.05 min Scan# 1829

Delta R.T. 0.07 min

Lab File: VW013509.D

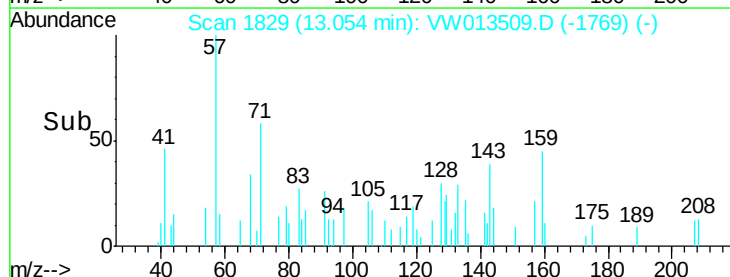
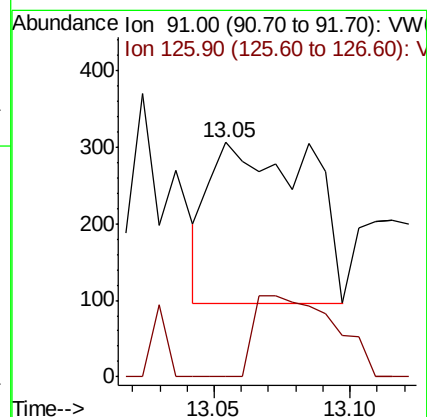
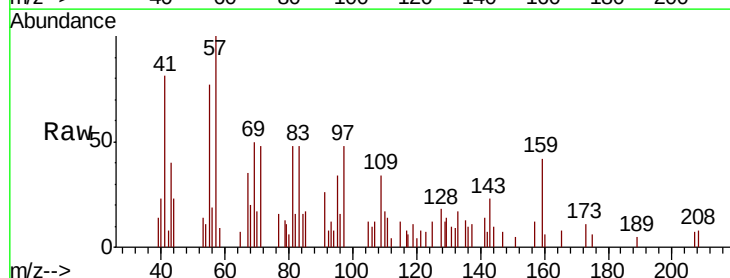
Acq: 09 Oct 2019 17:27

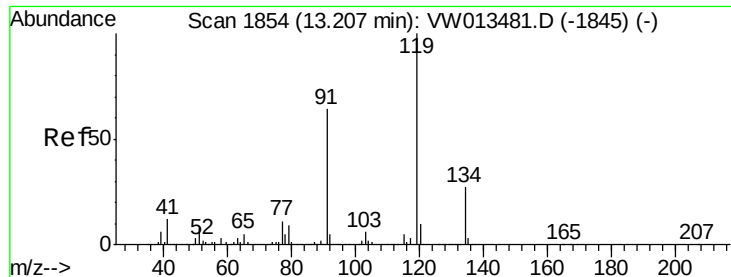
Tgt Ion: 91 Resp: 525

Ion Ratio Lower Upper

91 100

126 41.3 17.5 52.6

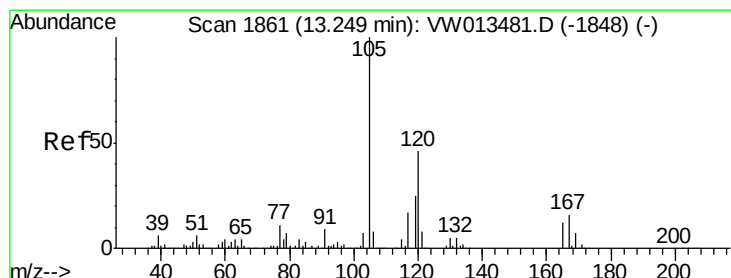
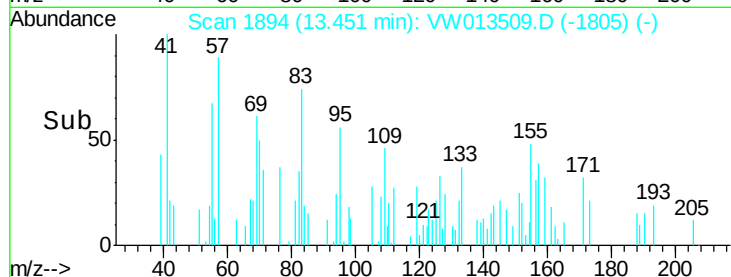
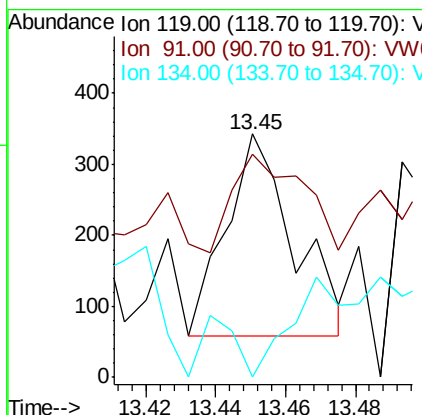
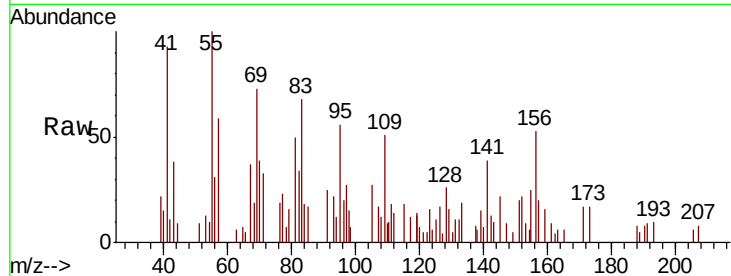




#83
tert-Butylbenzene
Concen: 3.491 ug/l
RT: 13.45 min Scan# 1894
Delta R.T. 0.24 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

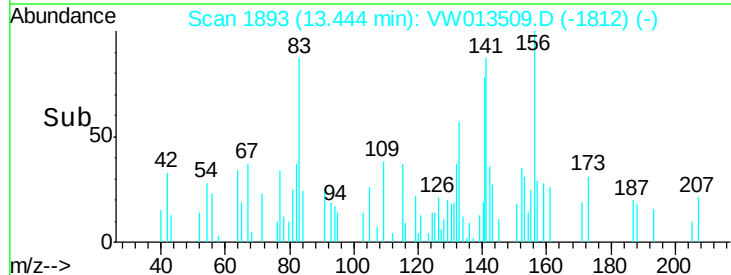
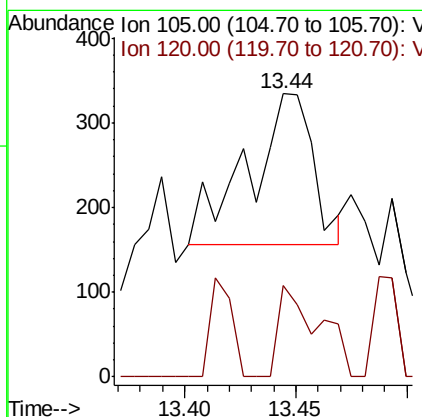
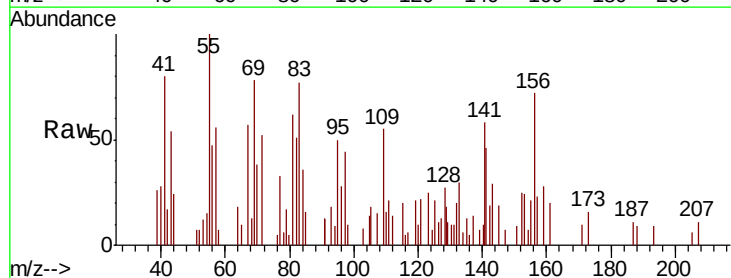
Instrument :
MSVOA_W
ClientSampleId :
20190853-COMPOSITE-E

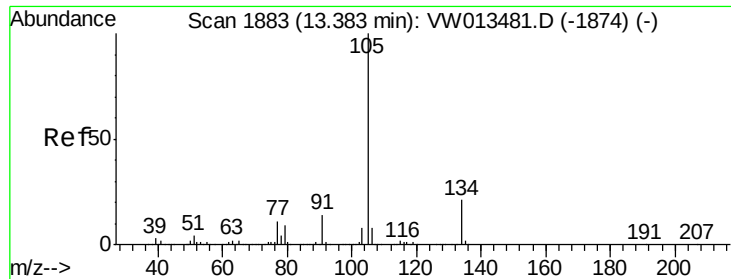
Tot Ion:119 Resp: 382
Ion Ratio Lower Upper
119 100
91 50.8 30.6 91.6
134 14.7 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 2.946 ug/l
RT: 13.44 min Scan# 1893
Delta R.T. 0.20 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Tgt Ion:105 Resp: 359
Ion Ratio Lower Upper
105 100
120 37.9 23.2 69.5

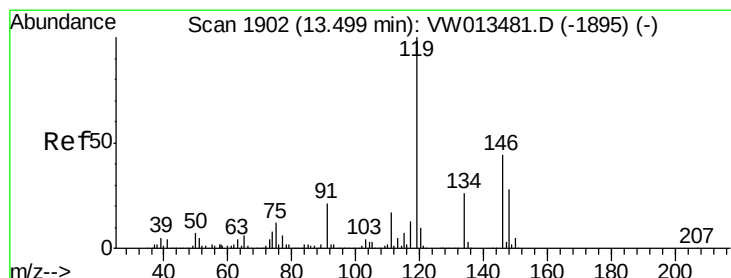
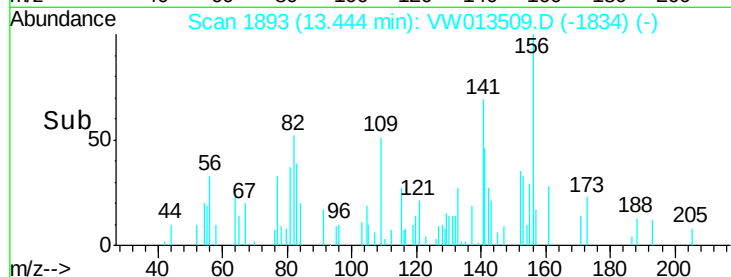
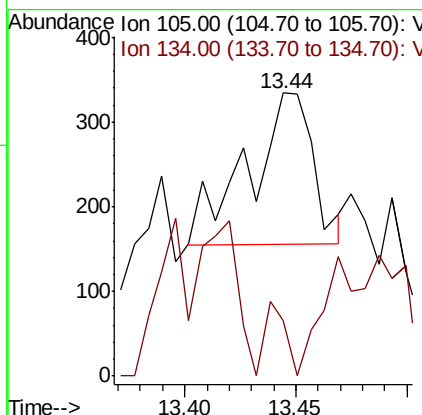
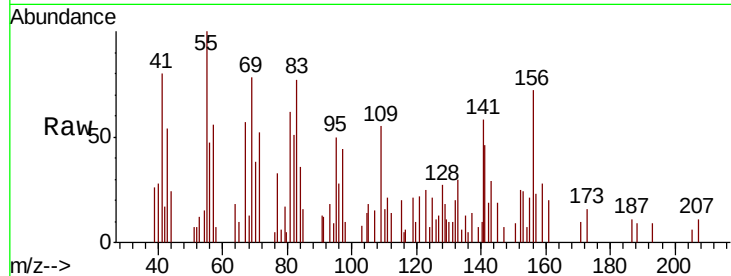




#85
 sec-Butylbenzene
 Concen: 2.388 ug/l
 RT: 13.44 min Scan# 1893
 Delta R.T. 0.06 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

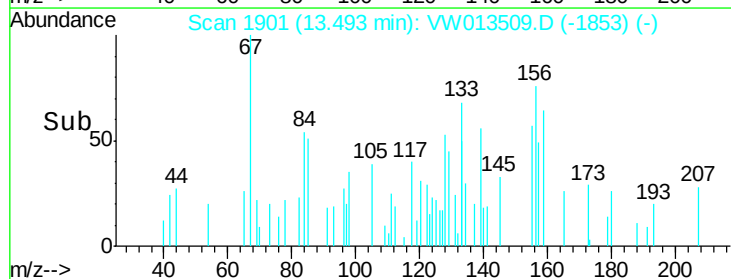
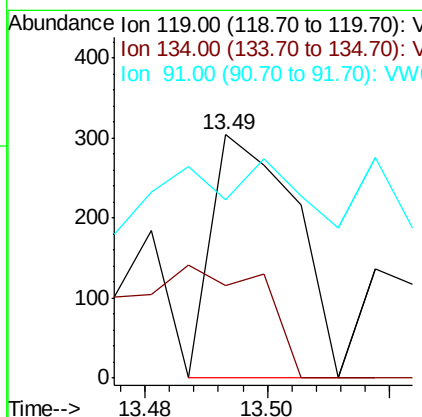
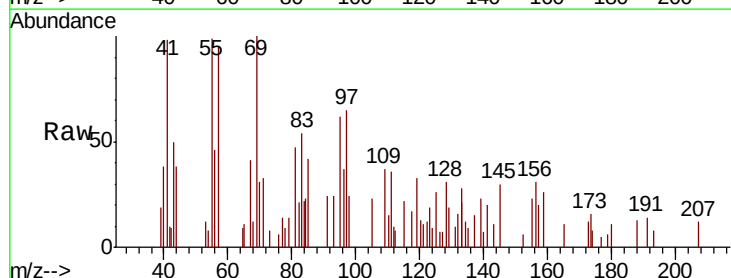
Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

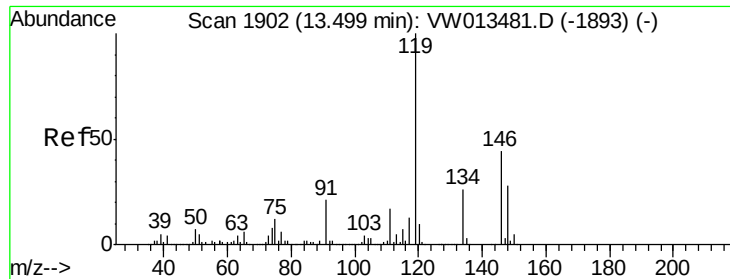
Tot Ion:105 Resp: 361
 Ion Ratio Lower Upper
 105 100
 134 15.5 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 2.066 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Tgt Ion:119 Resp: 287
 Ion Ratio Lower Upper
 119 100
 134 49.5 13.1 39.1#
 91 51.2 10.8 32.3#

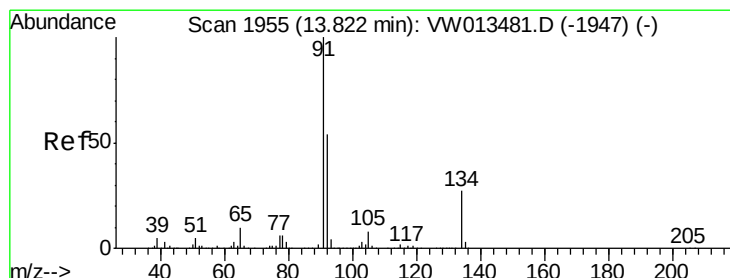
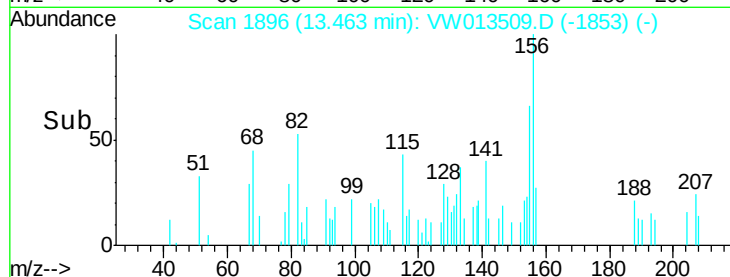
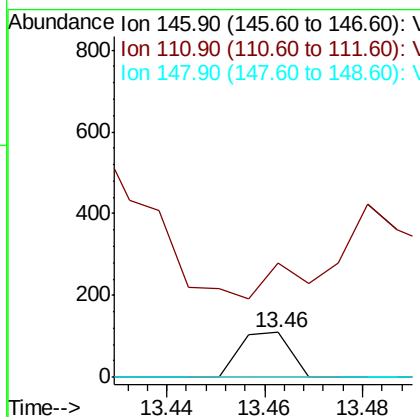
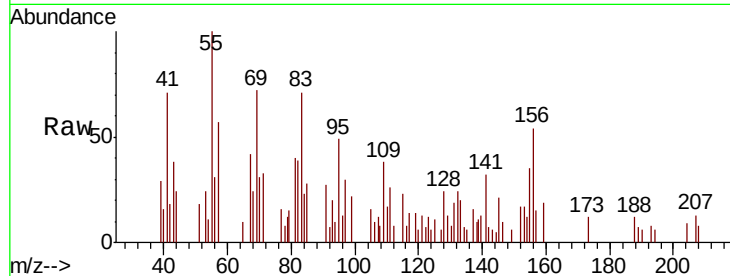




#87
 1,3-Dichlorobenzene
 Concen: 1.170 ug/l
 RT: 13.46 min Scan# 1896
 Delta R.T. -0.04 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

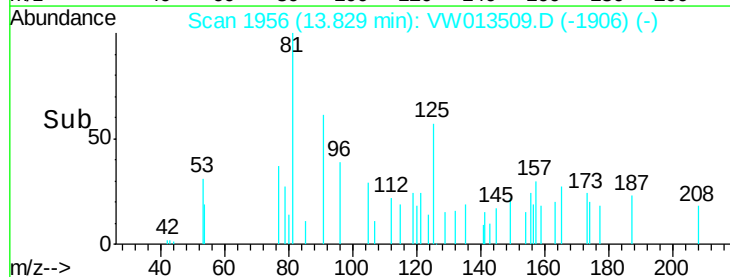
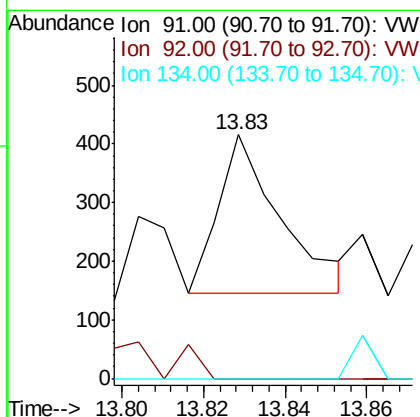
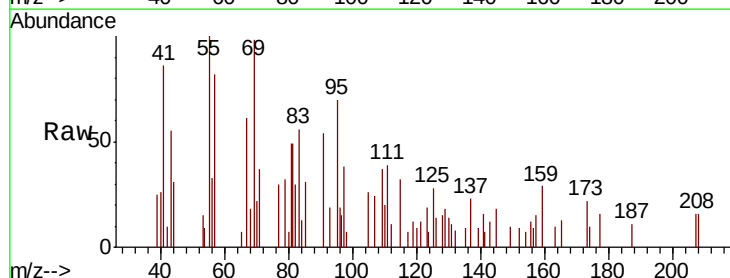
Instrument :
 MSVOA_W
 ClientSampleId :
 20190853-COMPOSITE-E

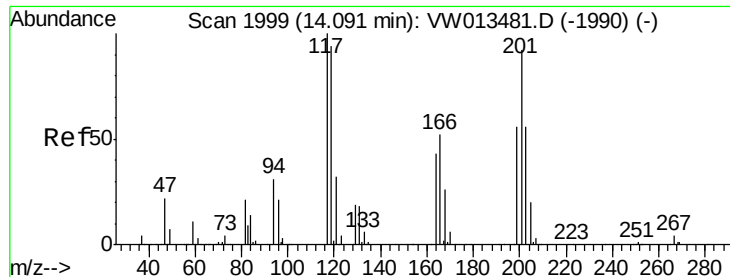
Tot Ion:146 Resp: 78
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.7 56.1#
 148 0.0 32.3 96.8#



#89
 n-Butylbenzene
 Concen: 2.287 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.01 min
 Lab File: VW013509.D
 Acq: 09 Oct 2019 17:27

Tgt Ion: 91 Resp: 287
 Ion Ratio Lower Upper
 91 100
 92 0.0 27.5 82.4#
 134 0.0 13.8 41.3#





#90

Hexachloroethane

Concen: 6.774 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

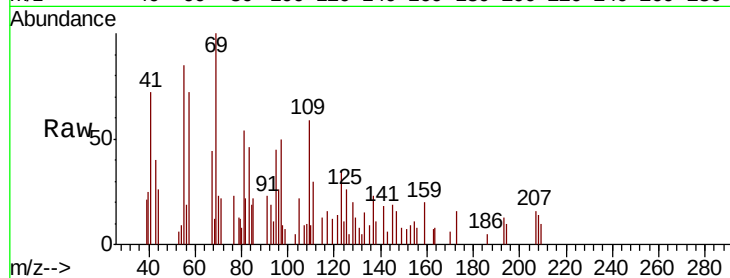
20190853-COMPOSITE-E

Tot Ion:117 Resp: 161

Ion Ratio Lower Upper

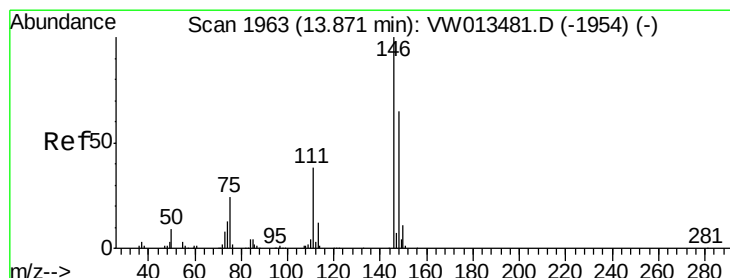
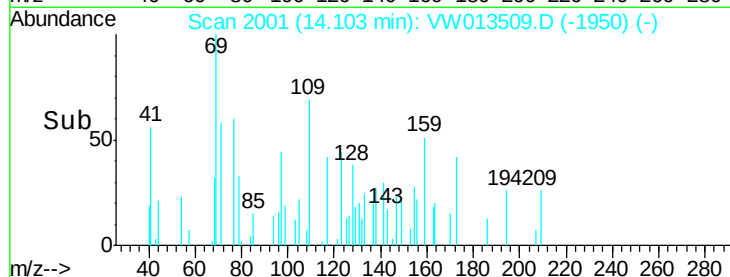
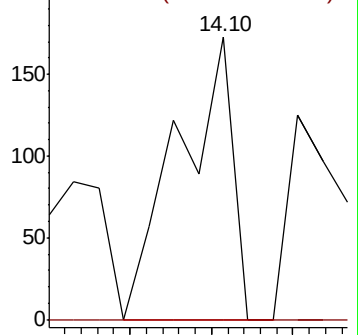
117 100

201 0.0 46.9 140.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.054 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

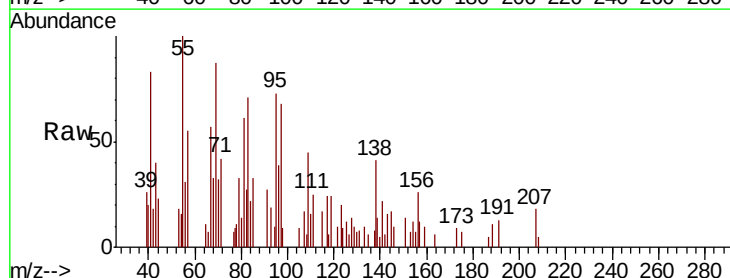
Tgt Ion:146 Resp: 62

Ion Ratio Lower Upper

146 100

111 700.0 19.4 58.2#

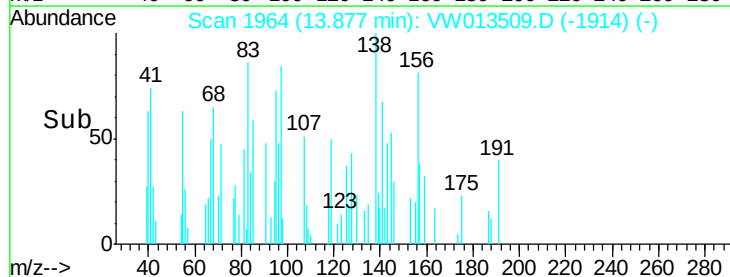
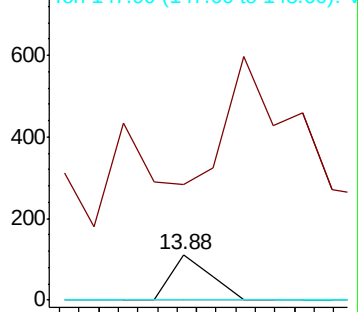
148 0.0 31.8 95.3#

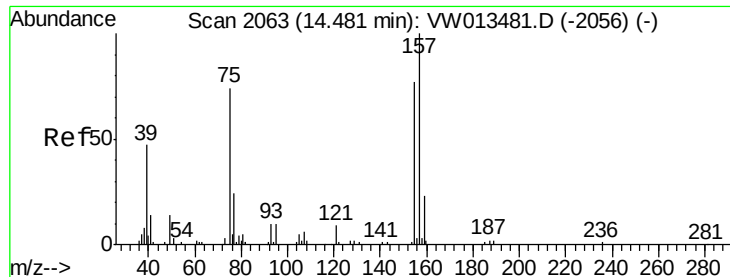


Abundance Ion 145.90 (145.60 to 146.60): V

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: 4.964 ug/l

RT: 14.55 min Scan# 2075

Delta R.T. 0.07 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

Instrument :

MSVOA_W

ClientSampleId :

20190853-COMPOSITE-E

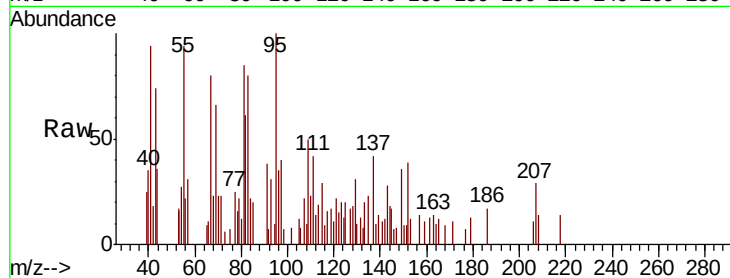
Tot Ion: 75 Resp: 20

Ion Ratio Lower Upper

75 100

155 0.0 51.0 153.1#

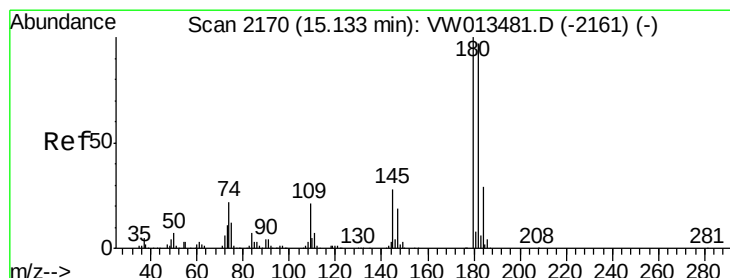
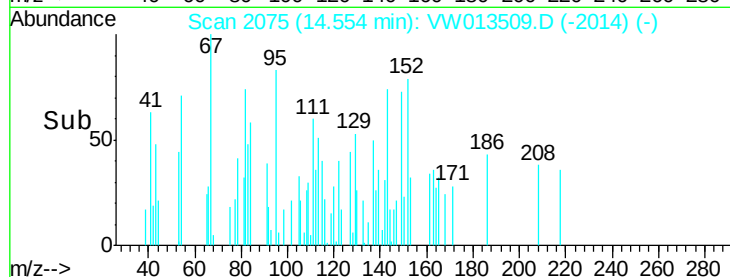
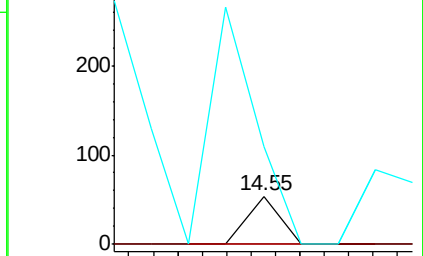
157 685.0 65.9 197.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 1.130 ug/l

RT: 15.21 min Scan# 2182

Delta R.T. 0.07 min

Lab File: VW013509.D

Acq: 09 Oct 2019 17:27

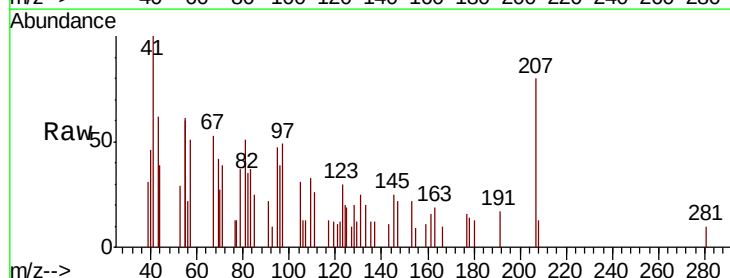
Tgt Ion: 180 Resp: 47

Ion Ratio Lower Upper

180 100

182 0.0 47.7 143.1#

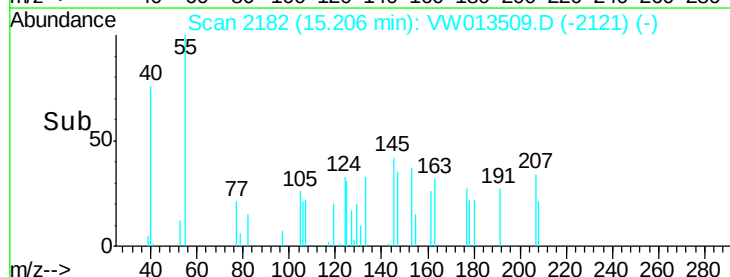
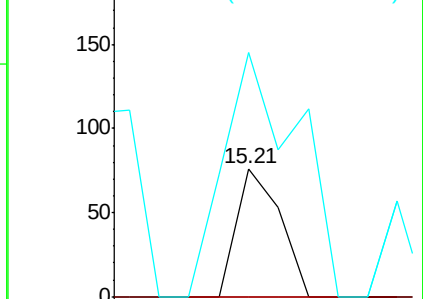
145 323.4 14.0 41.9#

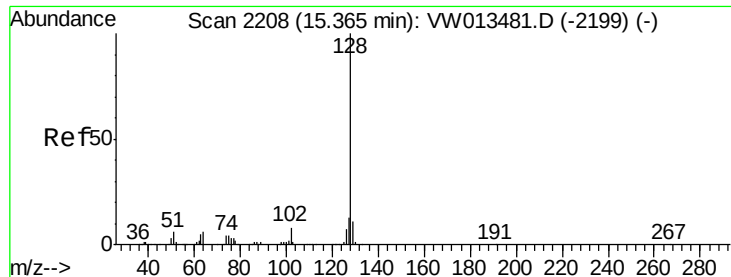


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

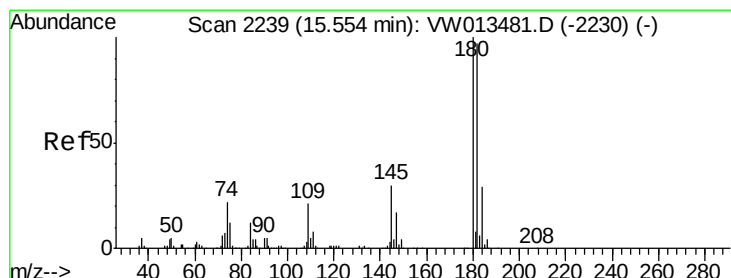
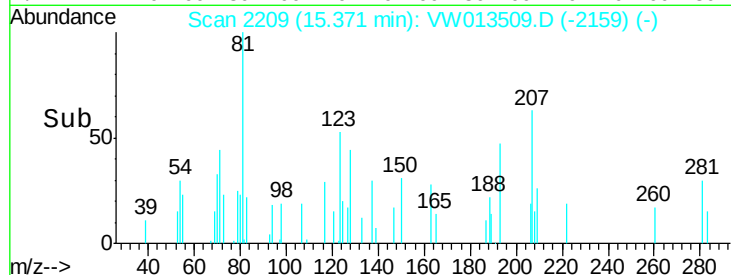
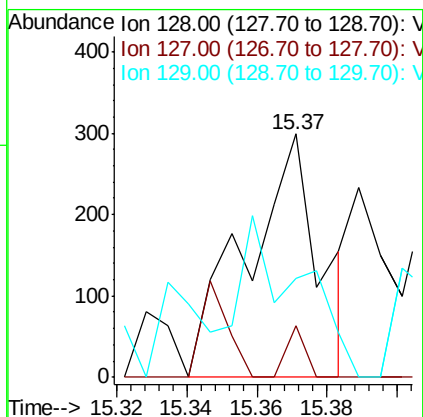
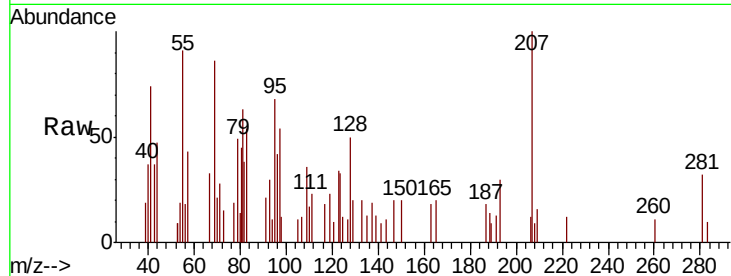




#95
Naphthalene
Concen: 6.061 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Instrument :
MSVOA_W
ClientSampleId :
20190853-COMPOSITE-E

Tot Ion:128 Resp: 436
Ion Ratio Lower Upper
128 100
127 5.3 10.6 16.0#
129 55.7 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.788 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.19 min
Lab File: VW013509.D
Acq: 09 Oct 2019 17:27

Tgt Ion:180 Resp: 65
Ion Ratio Lower Upper
180 100
182 0.0 47.7 143.1#
145 36.9 14.9 44.9

