

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091719\
 Data File : VW013085.D
 Acq On : 17 Sep 2019 13:03
 Operator : SY/VA
 Sample : K4893-01RE
 Misc : 7.17G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 05:32:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	446652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	378205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	171902	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	150986	56.97	ug/l	0.00
Spiked Amount			Recovery	=	113.94%	
35) Dibromofluoromethane	7.88	113	130695	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
50) Toluene-d8	10.32	98	522054	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
62) 4-Bromofluorobenzene	12.62	95	168559	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

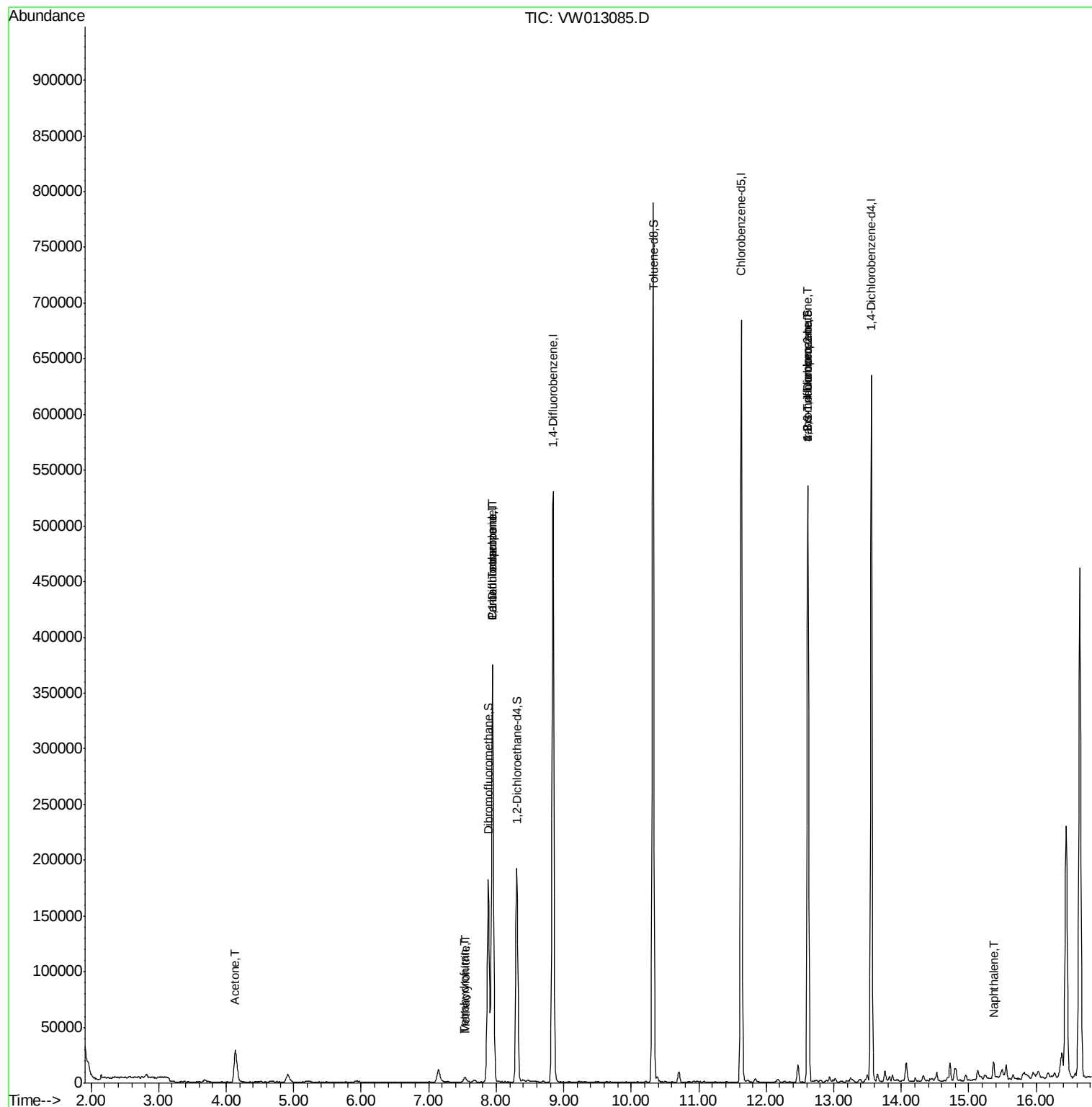
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	41	Below Cal	#	44
3) Chloromethane	2.20	50	332	Below Cal	#	99
11) Tert butyl alcohol	5.17	59	289	Below Cal	#	90
13) Acrolein	3.94	56	64	Below Cal	#	31
16) Acetone	4.14	43	60185	92.333	ug/l	95
20) Methylene Chloride	4.91	84	5582	Below Cal	#	95
26) 2,2-Dichloropropane	7.14	77	861	Below Cal	#	55
29) Tetrahydrofuran	7.53	42	4179	8.704	ug/l	99
31) Cyclohexane	7.95	56	6109	Below Cal	#	1
36) 1,1-Dichloropropene	7.95	75	21626	6.059	ug/l	52
38) Carbon Tetrachloride	7.95	117	27042	7.393	ug/l	15
41) Methacrylonitrile	7.54	41	2602	2.086	ug/l	57
76) 1,2,3-Trichloropropane	12.62	75	88437	58.734	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	88437	133.236	ug/l	7
95) Naphthalene	15.36	128	13031	2.393	ug/l	94

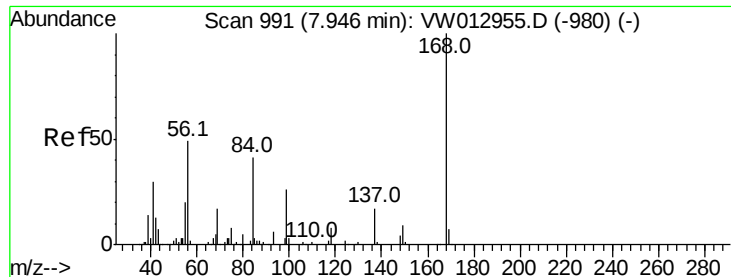
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

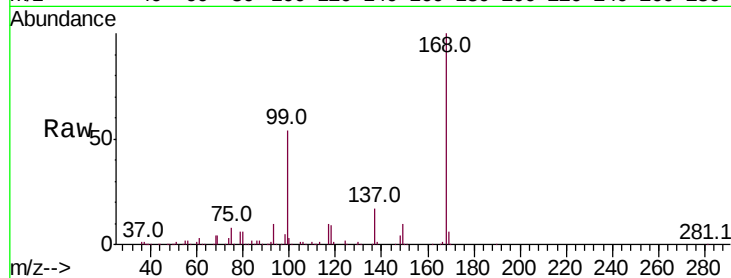
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 286943

Ion Ratio Lower Upper

168 100

99 53.9 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW012955.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW012955.D (-980) (-)

7.95

150000

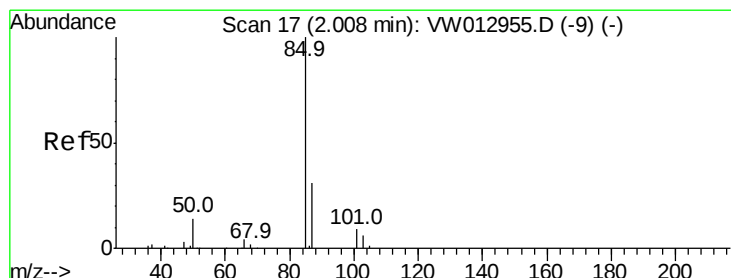
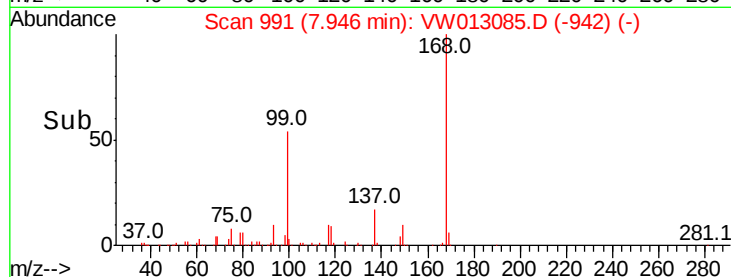
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013085.D

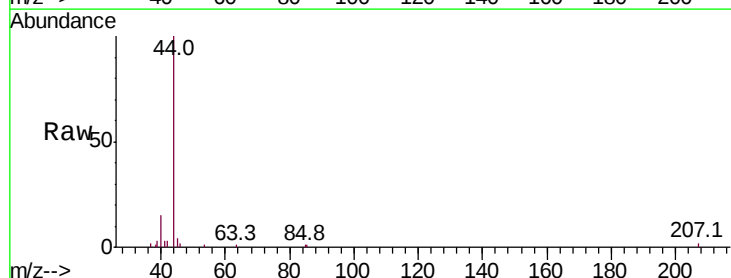
Acq: 17 Sep 2019 13:03

Tgt Ion: 85 Resp: 41

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW012955.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW012955.D (-9) (-)

2.00

120

100

80

60

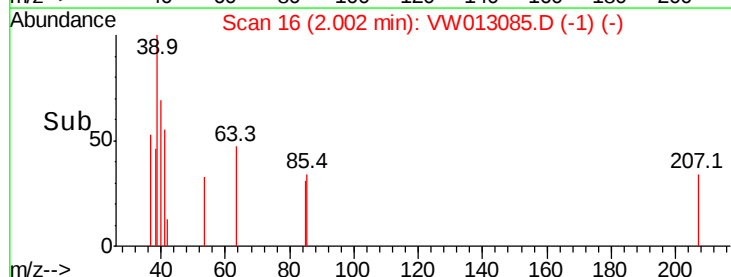
40

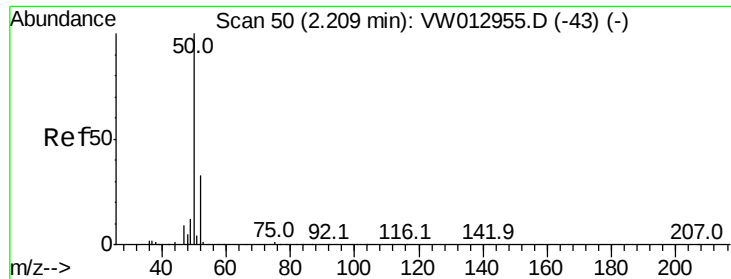
20

0

1.98 1.99 2.00 2.01 2.02

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

Instrument :

MSVOA_W

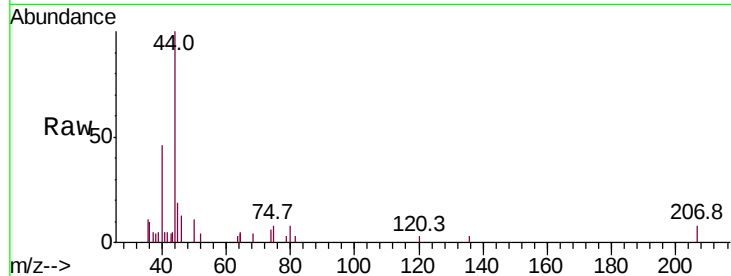
ClientSampled :

Tot Ion: 50 Resp: 332

Ion Ratio Lower Upper

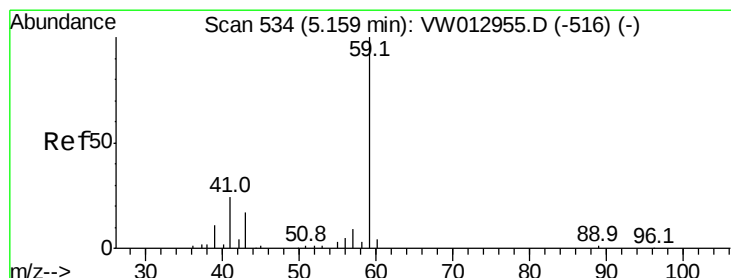
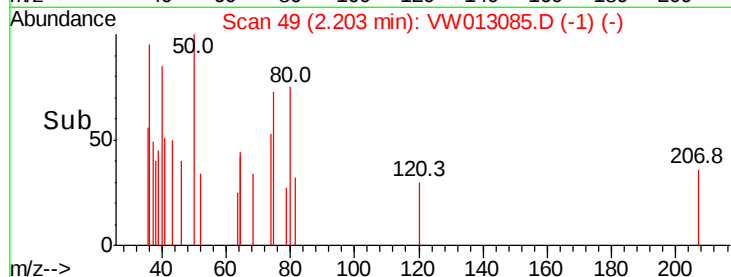
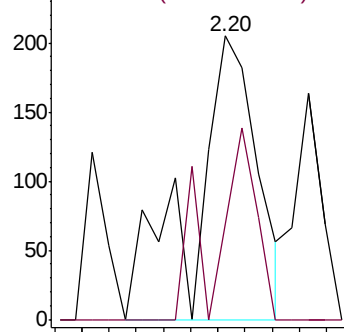
50 100

52 33.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW013085.D

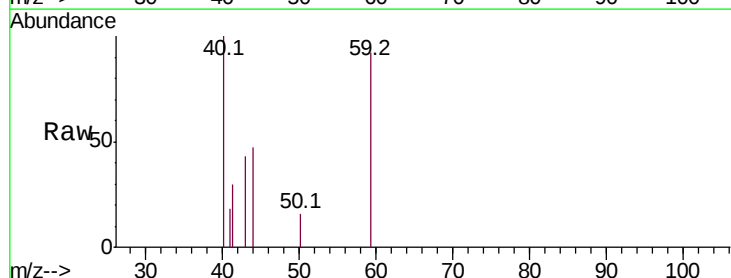
Acq: 17 Sep 2019 13:03

Tgt Ion: 59 Resp: 289

Ion Ratio Lower Upper

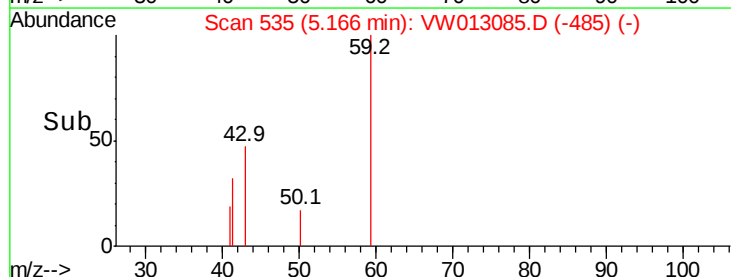
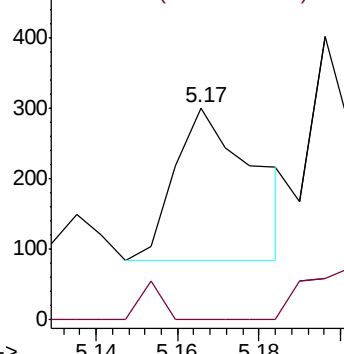
59 100

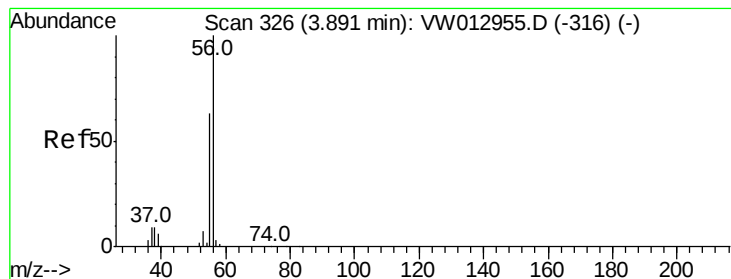
57 6.9 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: Below Cal

RT: 3.94 min Scan# 334

Delta R.T. 0.05 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

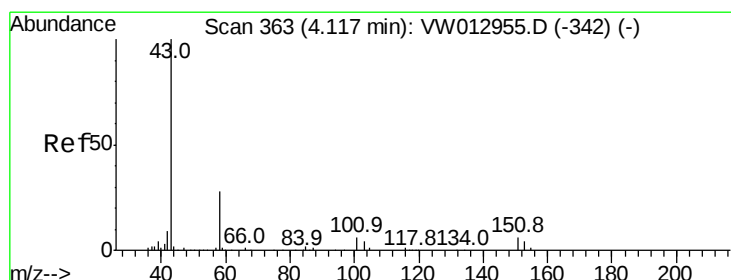
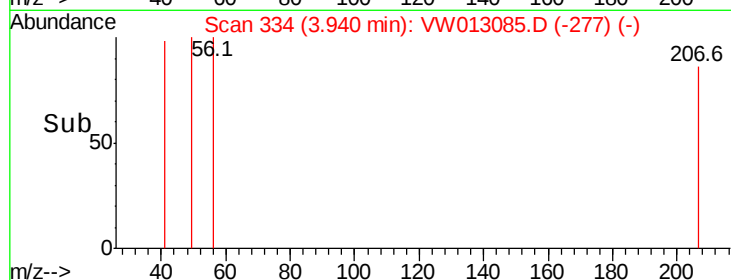
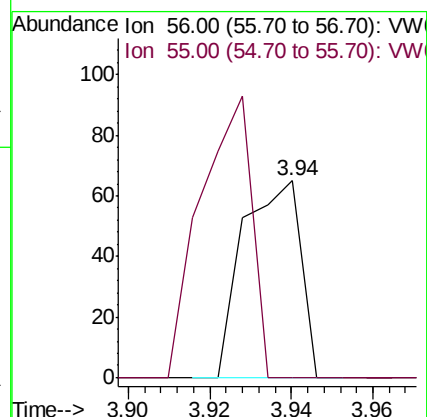
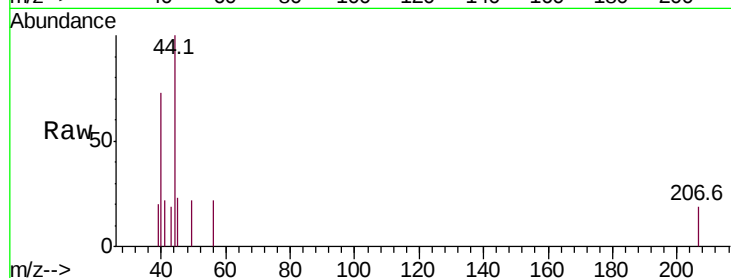
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 126.6 55.8 83.8#



#16

Acetone

Concen: 92.333 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW013085.D

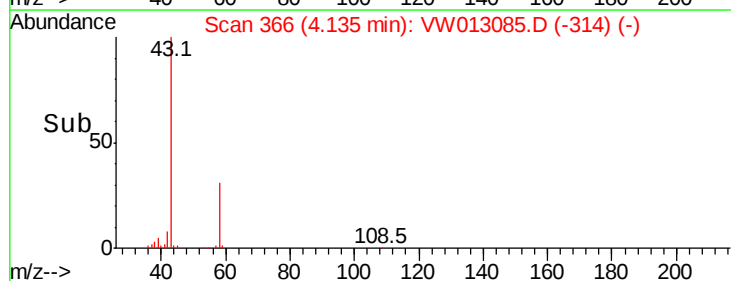
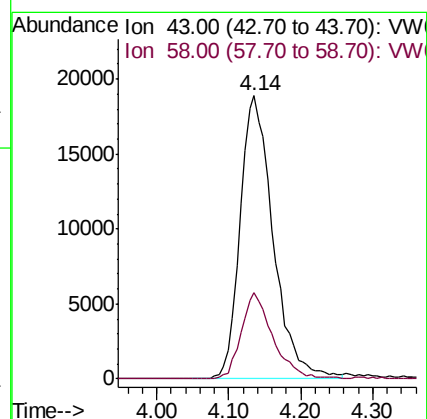
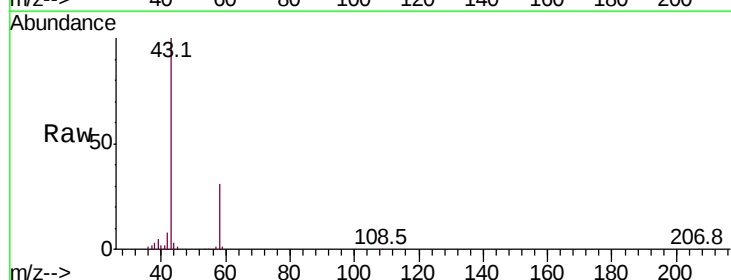
Acq: 17 Sep 2019 13:03

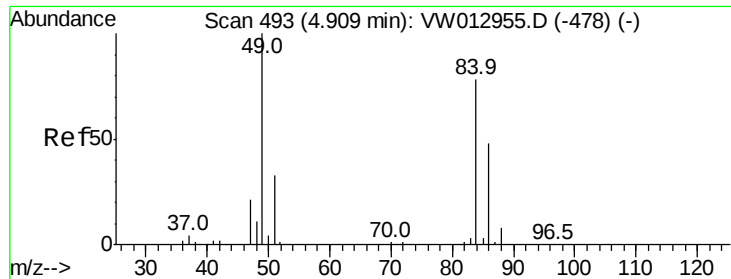
Tgt Ion: 43 Resp: 60185

Ion Ratio Lower Upper

43 100

58 30.4 22.3 33.5

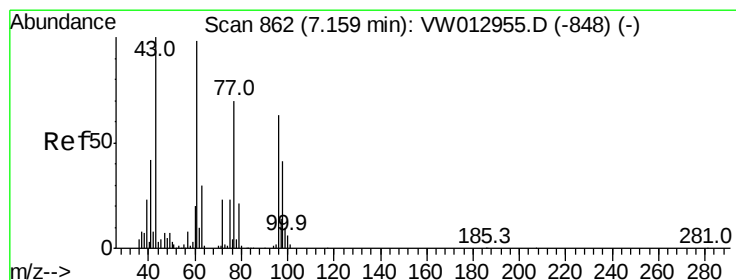
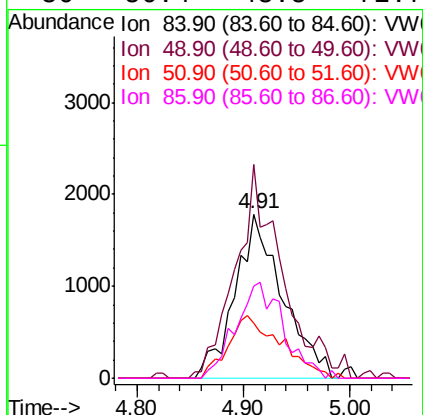
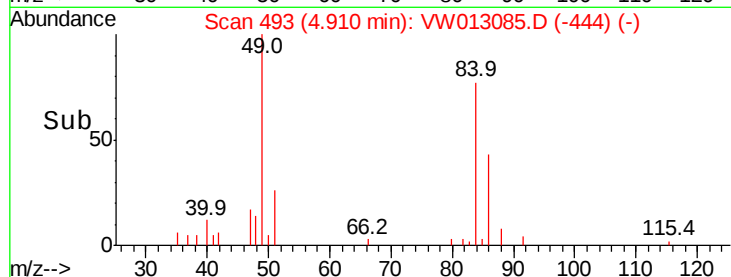
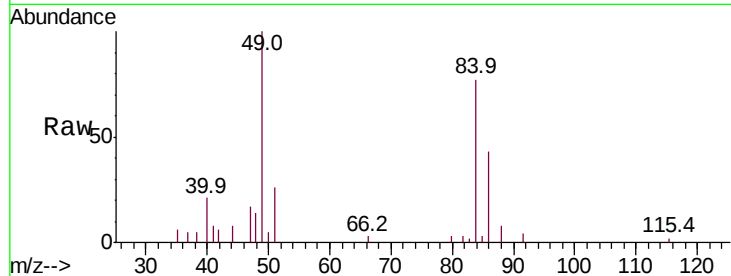




#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013085.D
Acq: 17 Sep 2019 13:03

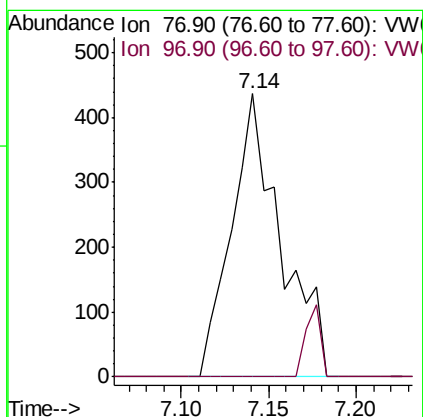
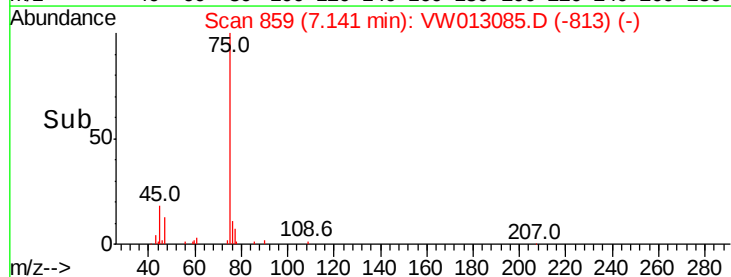
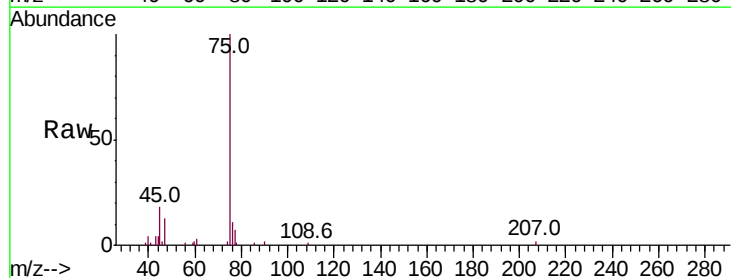
Instrument :
MSVOA_W
ClientSampled :

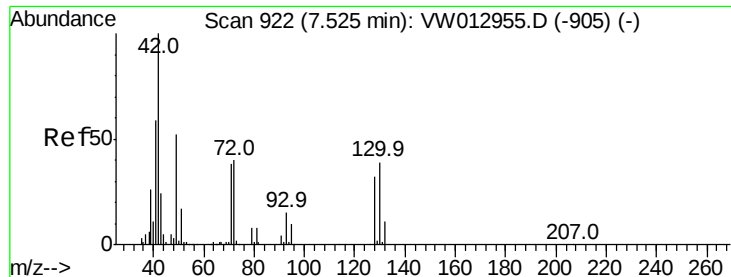
Tot Ion: 84 Resp: 5582
Ion Ratio Lower Upper
84 100
49 130.2 102.0 153.0
51 33.3 34.0 51.0#
86 56.4 48.5 72.7



#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013085.D
Acq: 17 Sep 2019 13:03

Tgt Ion: 77 Resp: 861
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#

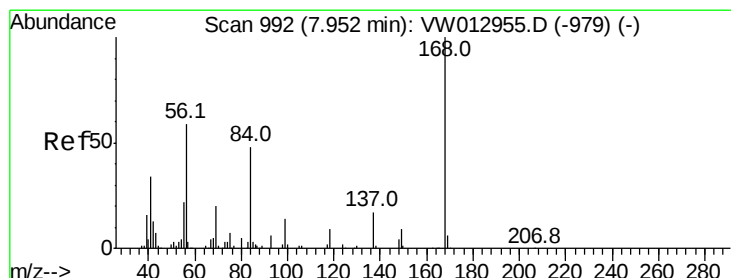
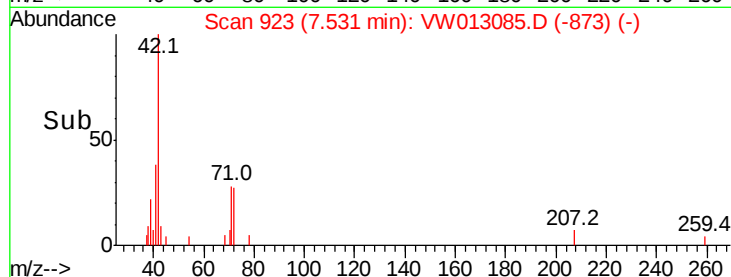
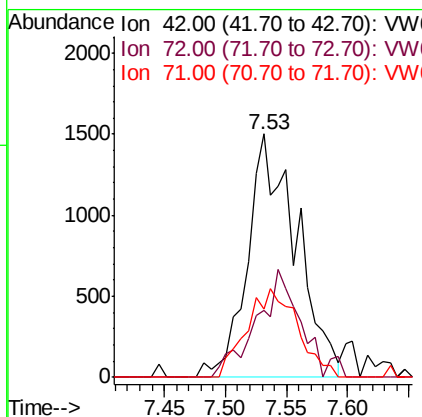
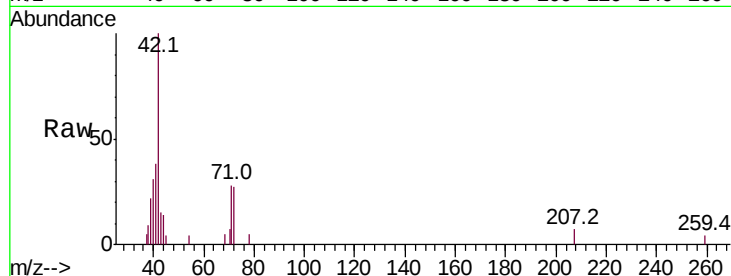




#29
Tetrahydrofuran
Concen: 8.704 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013085.D
Acq: 17 Sep 2019 13:03

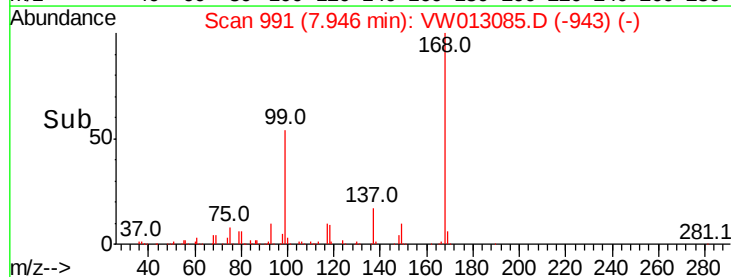
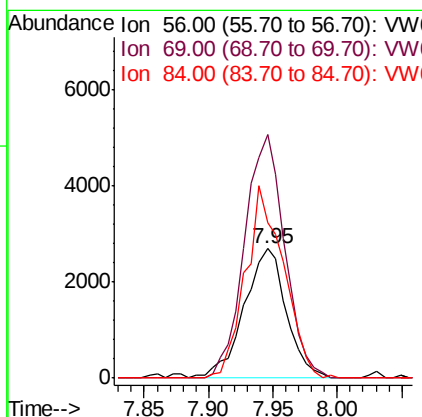
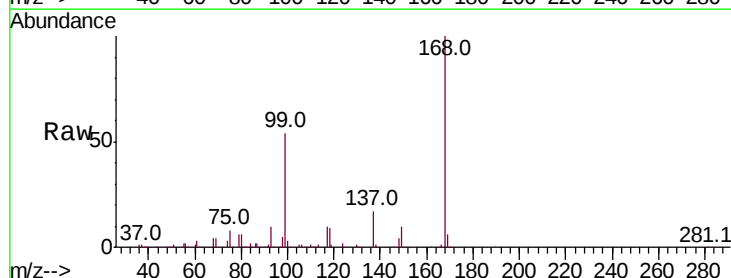
Instrument :
MSVOA_W
ClientSampleId :

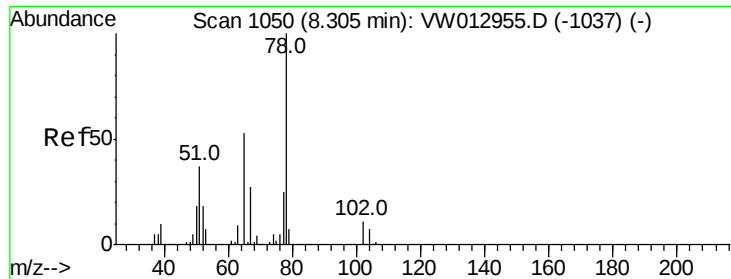
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.4	47.0
71	37.8	29.8	44.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013085.D
Acq: 17 Sep 2019 13:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	188.3	27.0	40.6#
84	119.7	66.2	99.2#

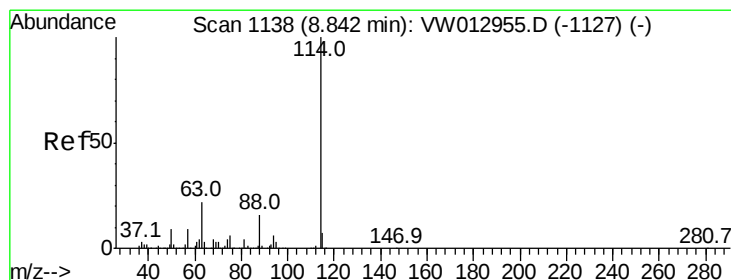
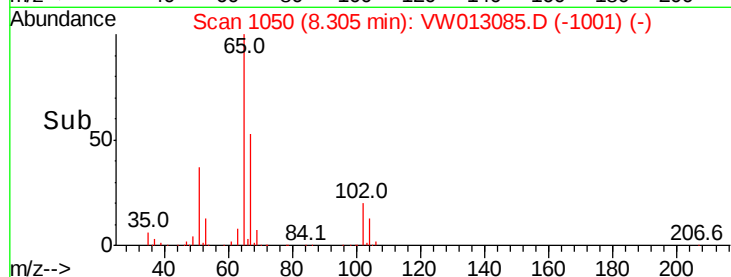
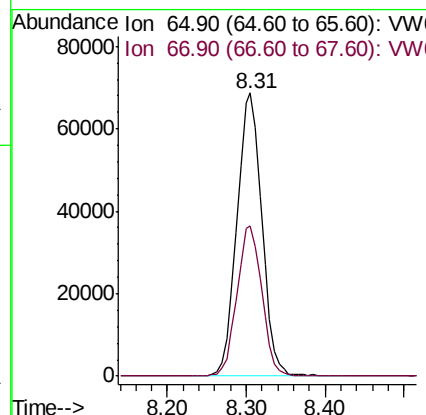
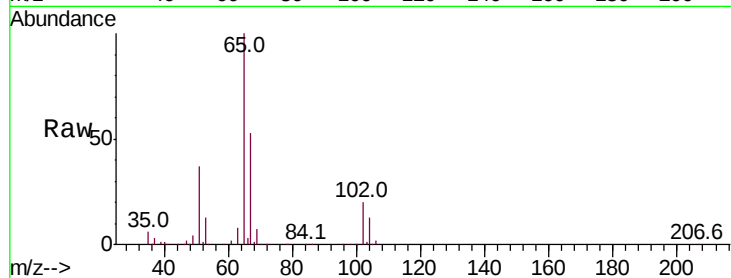




#33
 1,2-Dichloroethane-d4
 Concen: 56.973 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013085.D
 Acq: 17 Sep 2019 13:03

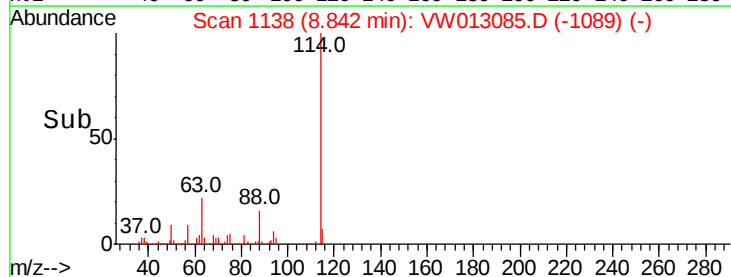
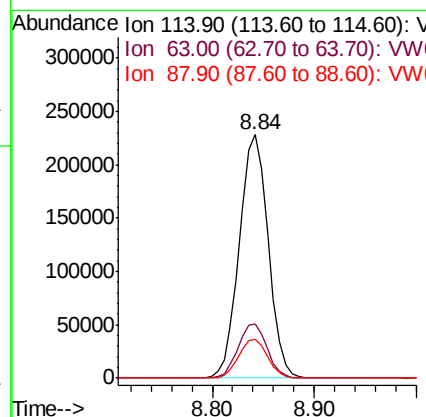
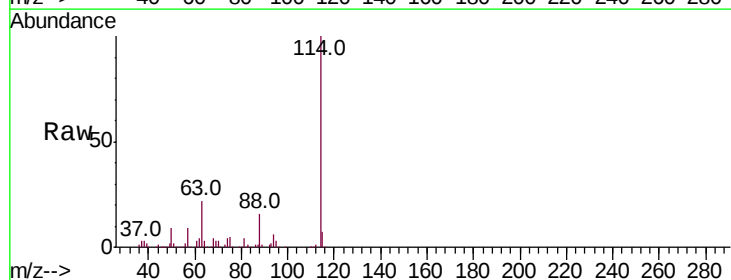
Instrument :
 MSVOA_W
 ClientSampleId :

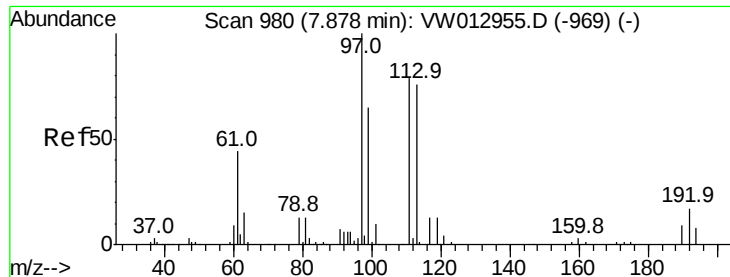
Tot Ion: 65 Resp: 150986
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013085.D
 Acq: 17 Sep 2019 13:03

Tgt Ion: 114 Resp: 446652
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.4
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.926 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

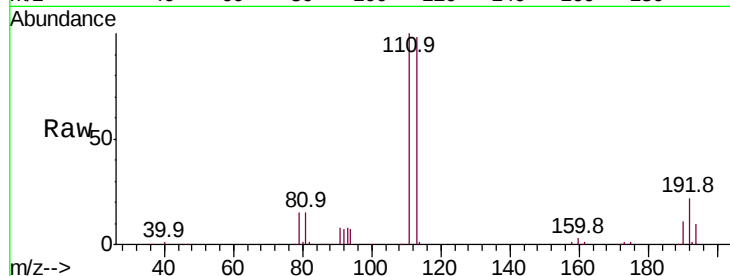
Tot Ion:113 Resp: 130695

Ion Ratio Lower Upper

113 100

111 103.8 82.8 124.2

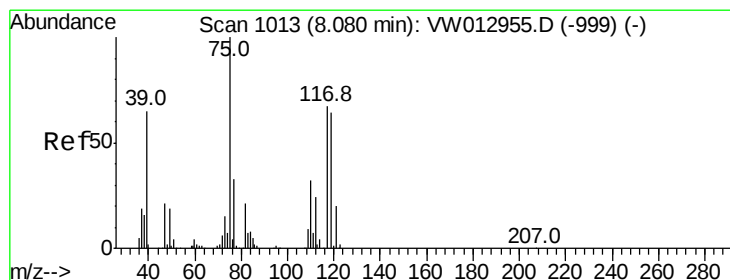
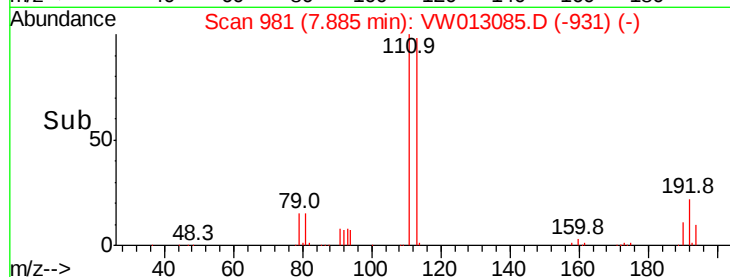
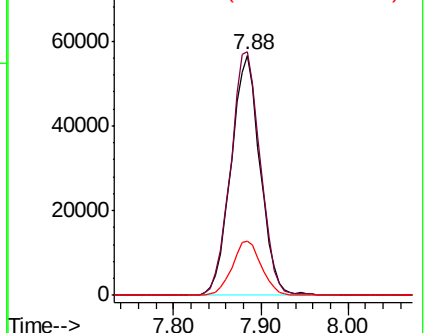
192 22.8 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 6.059 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

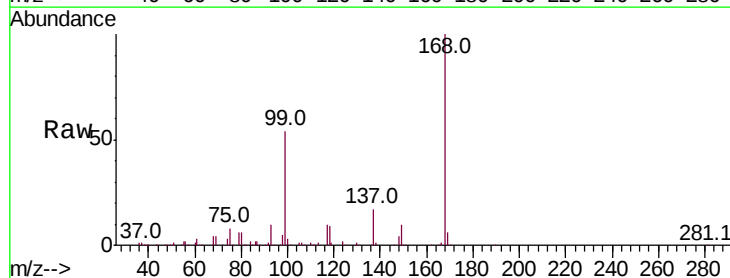
Tgt Ion: 75 Resp: 21626

Ion Ratio Lower Upper

75 100

110 10.7 16.4 49.1#

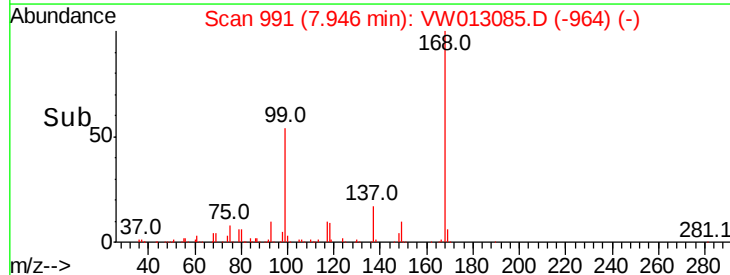
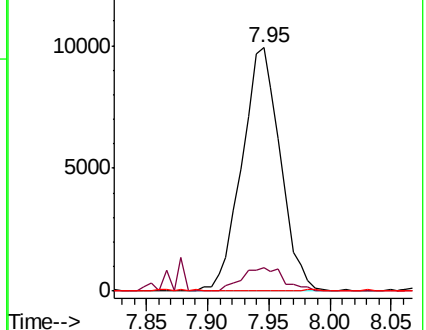
77 0.0 25.1 37.7#

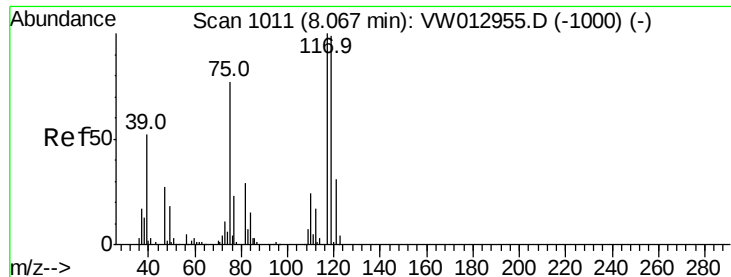


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

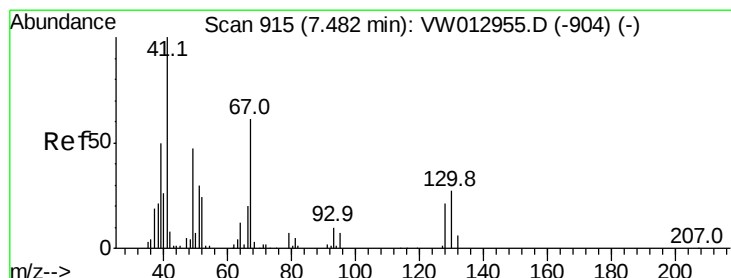
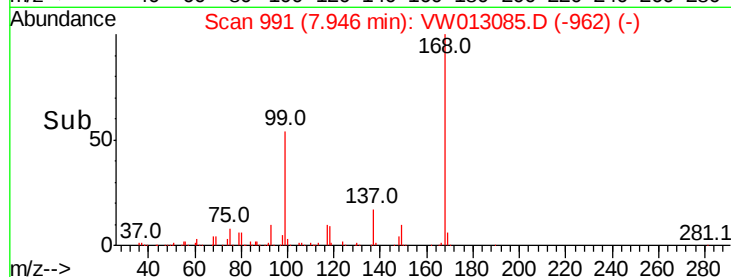
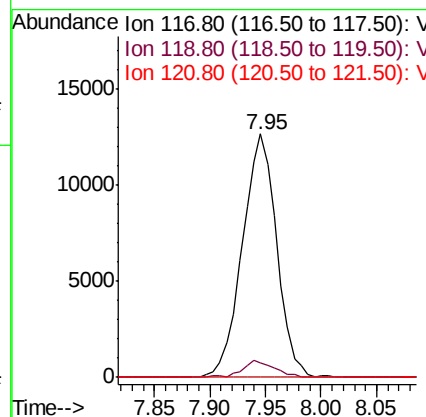
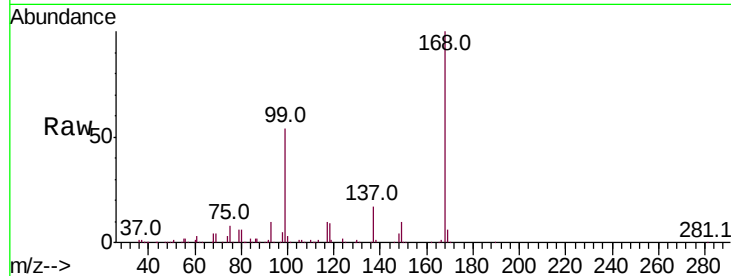




#38
Carbon Tetrachloride
Concen: 7.393 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW013085.D
Acq: 17 Sep 2019 13:03

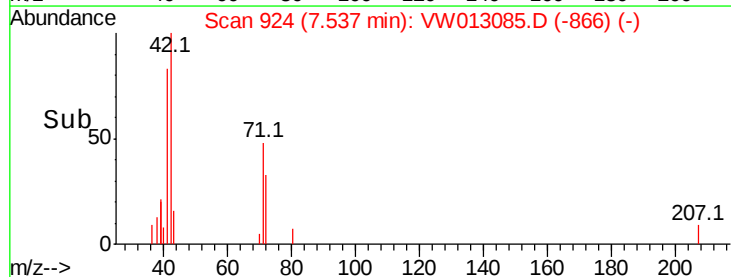
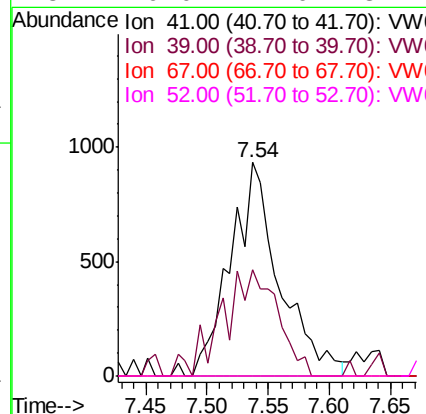
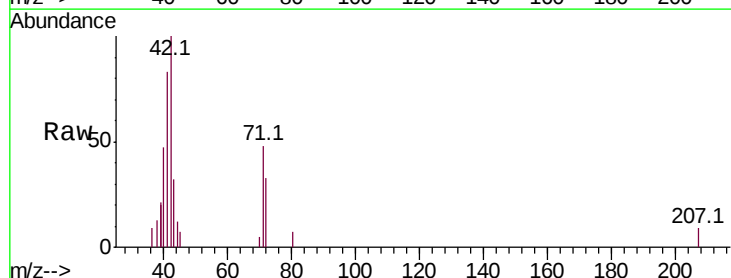
Instrument :
MSVOA_W
ClientSampleId :

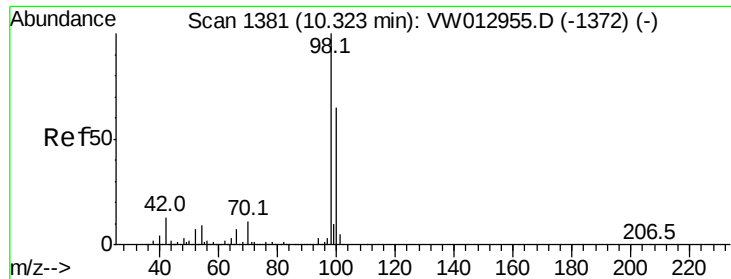
Tot Ion:117 Resp: 27042
Ion Ratio Lower Upper
117 100
119 5.9 79.4 119.0#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 2.086 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW013085.D
Acq: 17 Sep 2019 13:03

Tgt Ion: 41 Resp: 2602
Ion Ratio Lower Upper
41 100
39 57.0 48.2 72.4
67 0.0 47.5 71.3#
52 0.0 21.0 31.4#





#50

Toluene-d8

Concen: 55.047 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

Instrument :

MSVOA_W

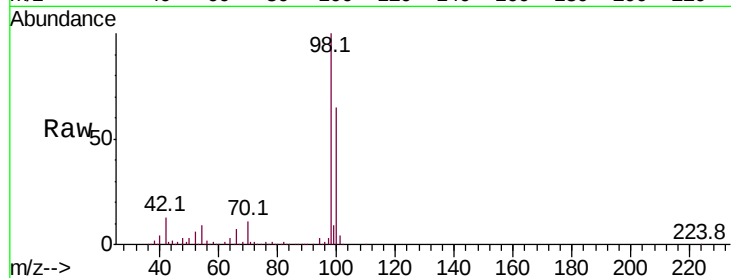
ClientSampleId :

Tot Ion: 98 Resp: 522054

Ion Ratio Lower Upper

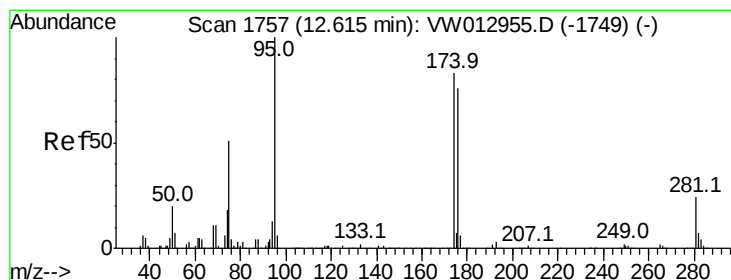
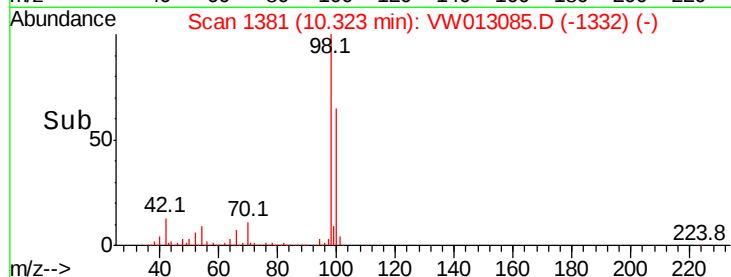
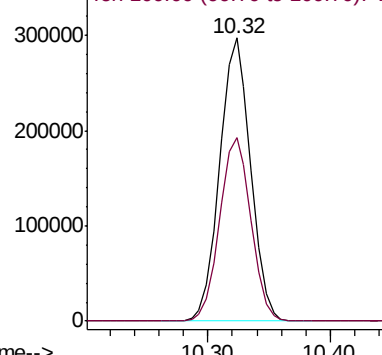
98 100

100 65.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 49.429 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

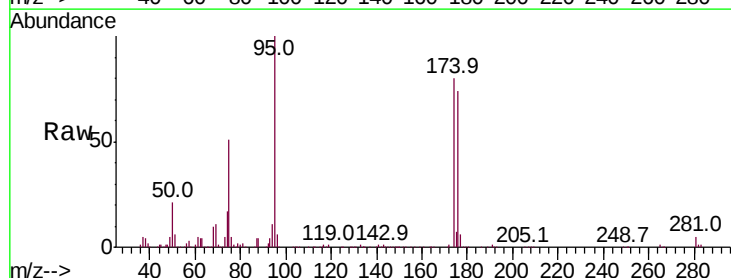
Tgt Ion: 95 Resp: 168559

Ion Ratio Lower Upper

95 100

174 84.5 0.0 170.4

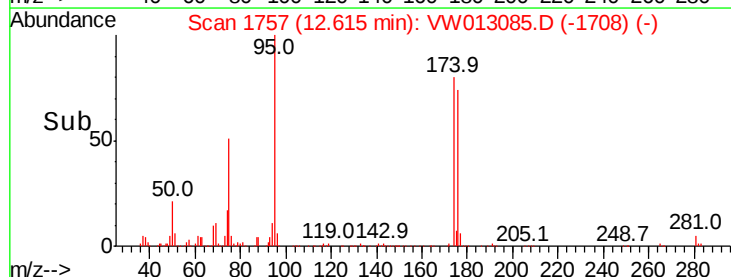
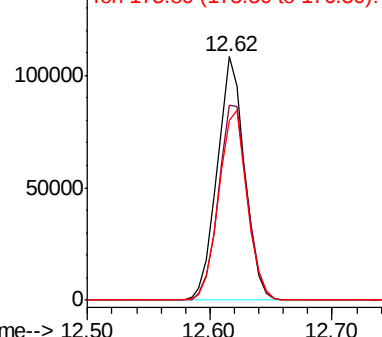
176 81.2 0.0 164.6

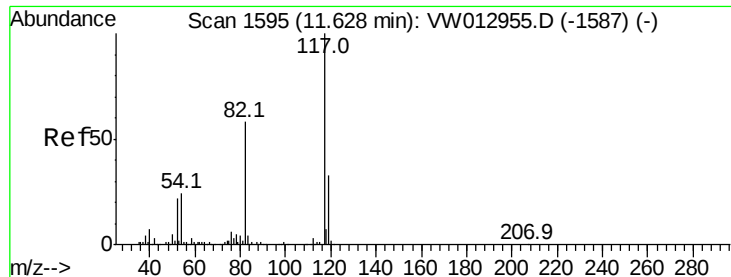


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

Instrument :

MSVOA_W

ClientSampleId :

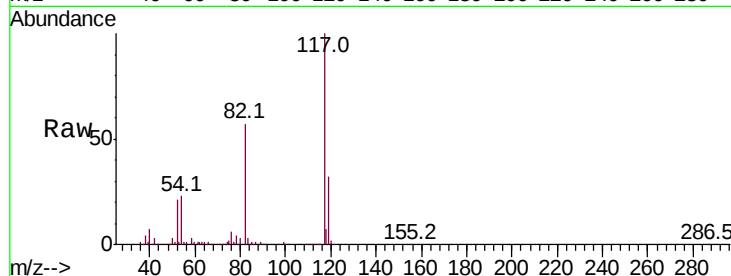
Tot Ion:117 Resp: 378205

Ion Ratio Lower Upper

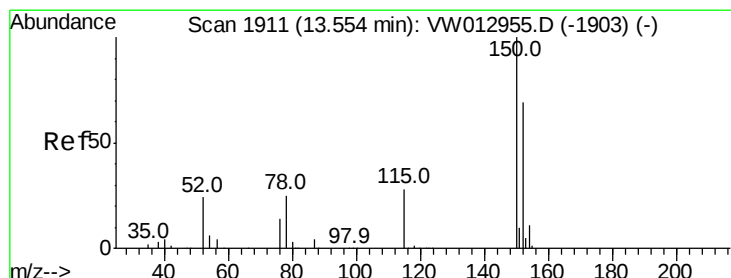
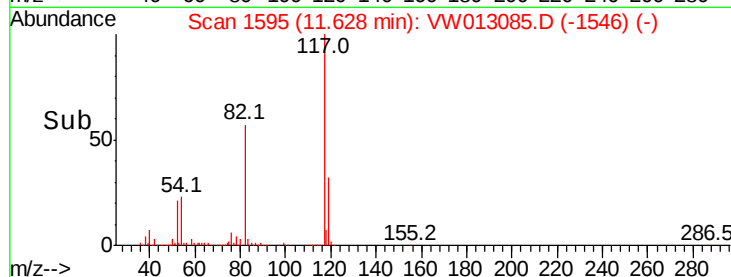
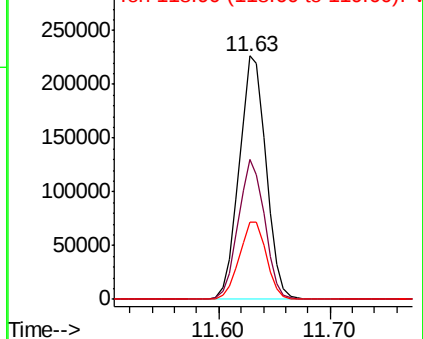
117 100

82 57.4 46.3 69.5

119 31.8 26.2 39.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

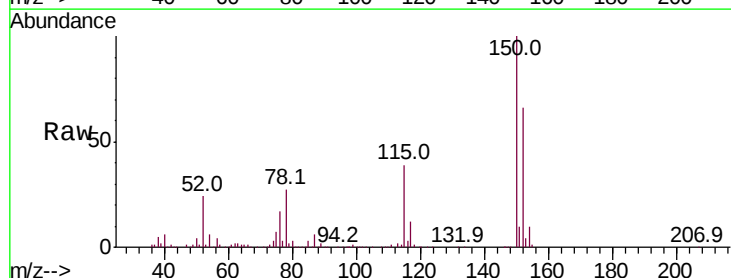
Tgt Ion:152 Resp: 171902

Ion Ratio Lower Upper

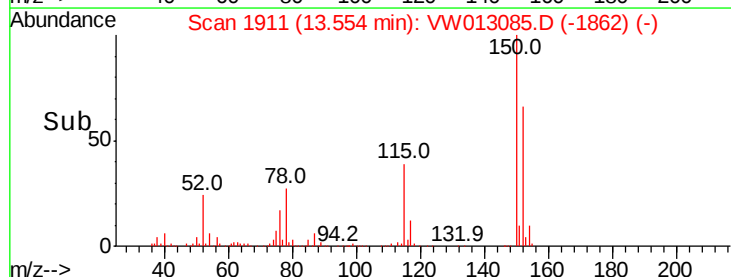
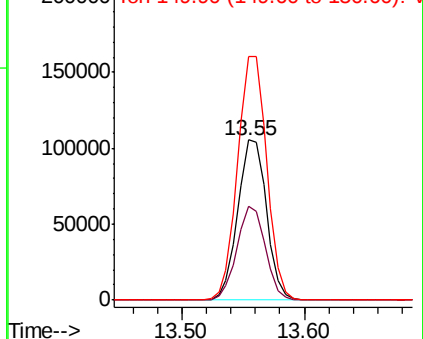
152 100

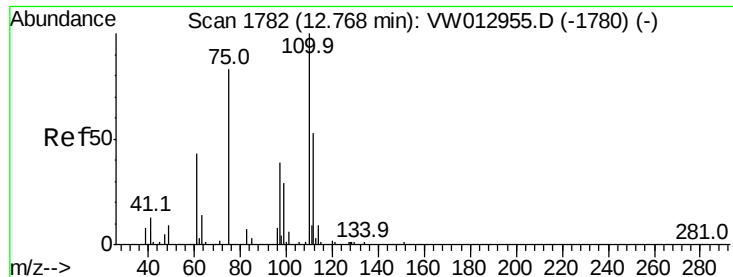
115 57.7 28.8 86.4

150 154.4 0.0 340.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 58.734 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

Instrument :

MSVOA_W

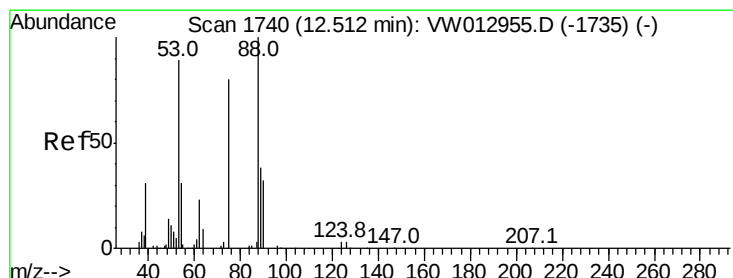
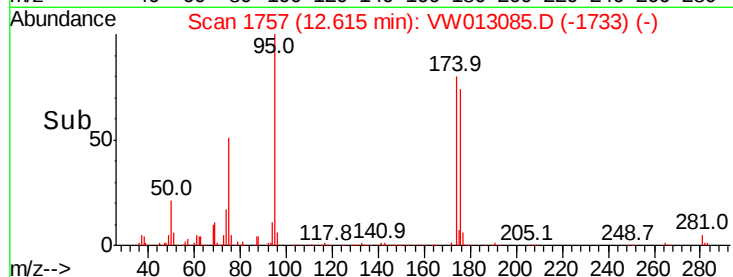
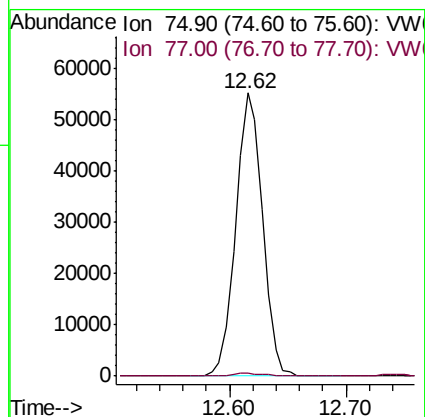
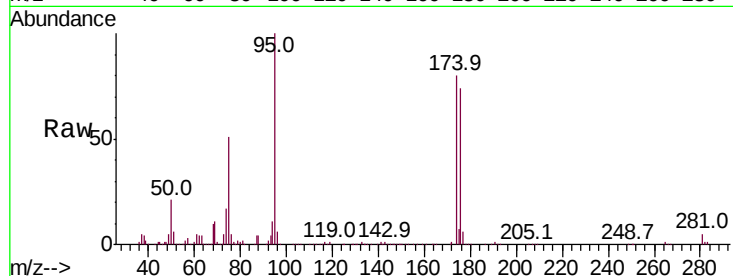
ClientSampled :

Tot Ion: 75 Resp: 88437

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.236 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013085.D

Acq: 17 Sep 2019 13:03

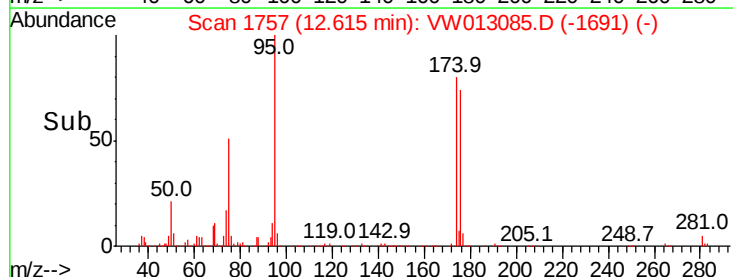
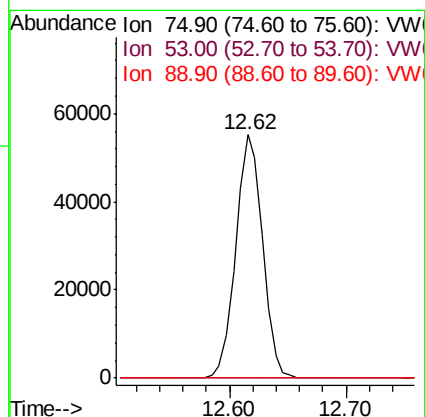
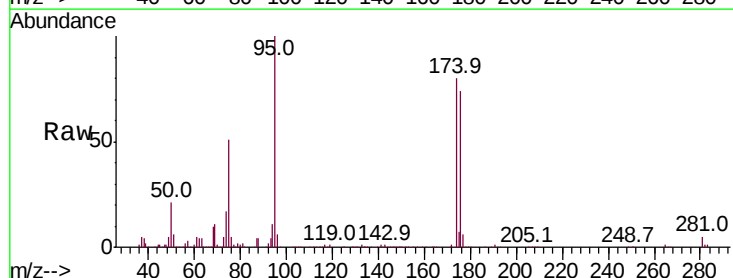
Tgt Ion: 75 Resp: 88437

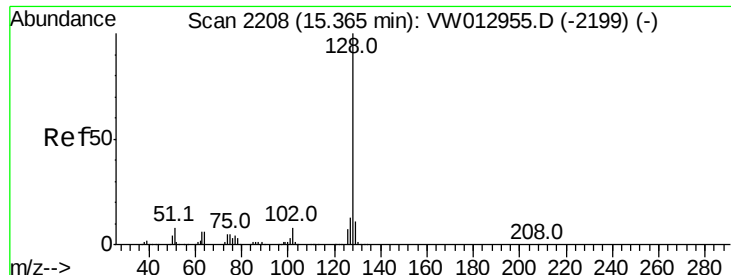
Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#

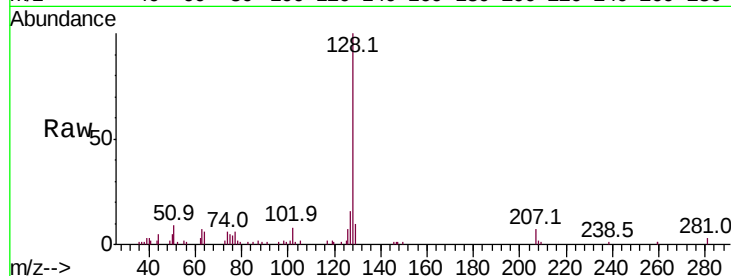




#95
Naphthalene
Concen: 2.393 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013085.D
Acq: 17 Sep 2019 13:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.8	11.0	16.6
129	13.2	8.6	12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

