

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013492.D
 Acq On : 08 Oct 2019 17:38
 Operator : SY/VA
 Sample : K5213-07
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-4(0-5)

Quant Time: Oct 09 06:39:31 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	279466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	413318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	148211	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	110567	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	7.88	113	115137	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	10.32	98	471154	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
62) 4-Bromofluorobenzene	12.62	95	153931	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

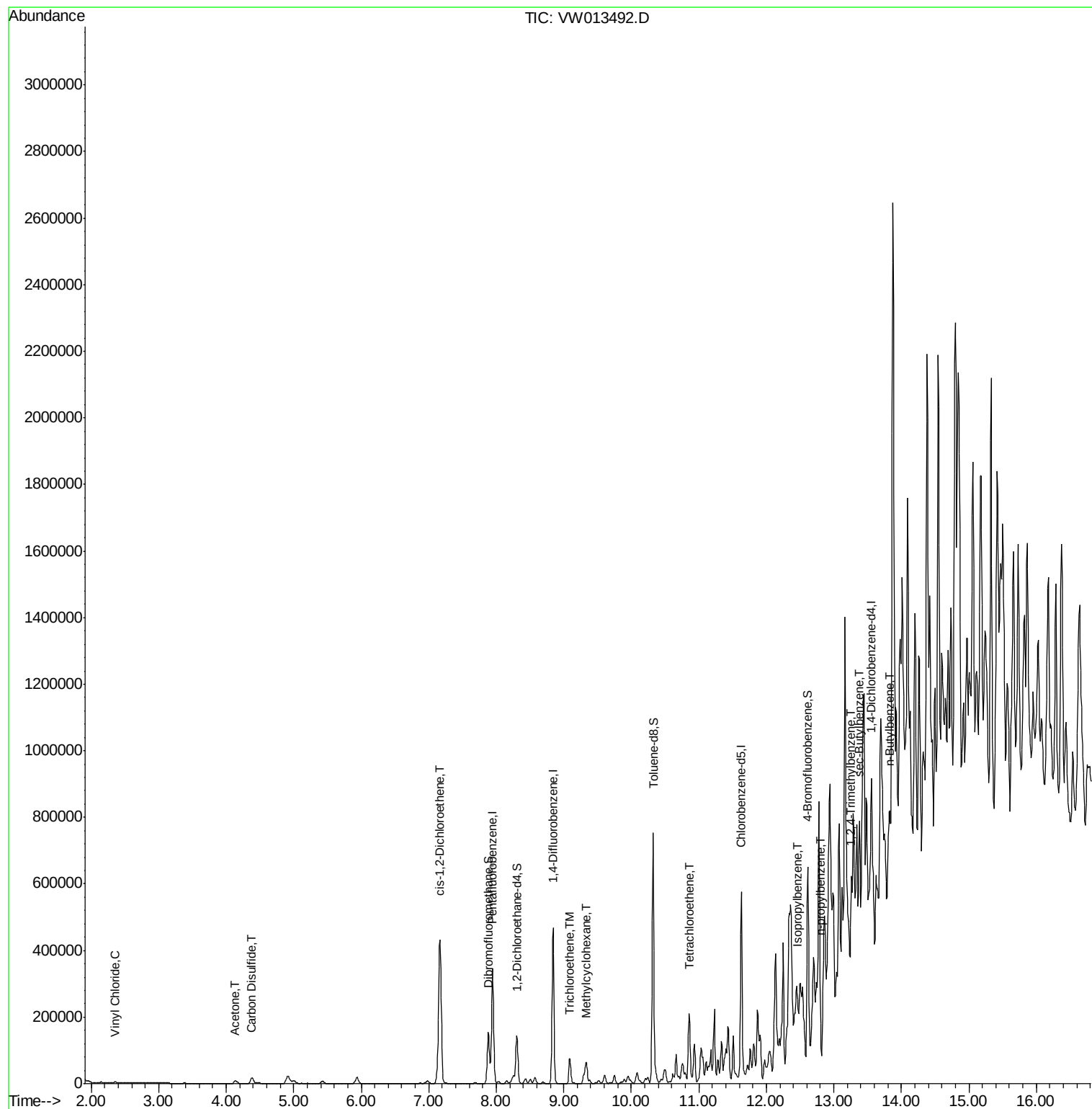
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.35	62	2809	1.170	ug/l #	87
16) Acetone	4.14	43	17097	34.027	ug/l	93
17) Carbon Disulfide	4.38	76	40873	6.003	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	266732	97.804	ug/l	93
39) Methylcyclohexane	9.33	83	29499	6.090	ug/l	94
44) Trichloroethene	9.09	130	28475	9.563	ug/l	98
64) Tetrachloroethene	10.86	164	48935	19.882	ug/l	97
73) Isopropylbenzene	12.46	105	20021	1.886	ug/l	99
78) n-propylbenzene	12.80	91	18338	1.494	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	25705	2.946	ug/l	98
85) sec-Butylbenzene	13.38	105	97881	9.043	ug/l	91
89) n-Butylbenzene	13.82	91	44996	5.009	ug/l #	79

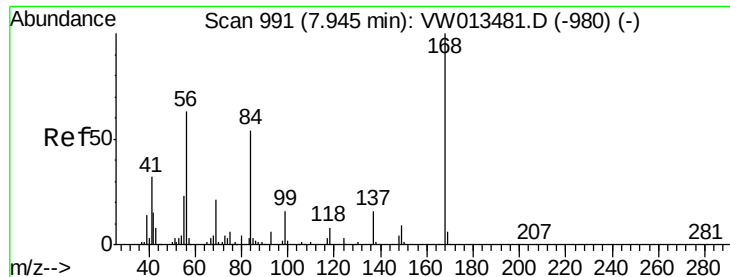
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW013492.D

Acq: 08 Oct 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

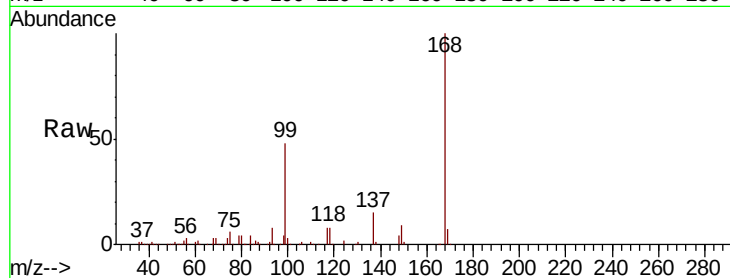
S-4(0-5)

Tot Ion:168 Resp: 279466

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

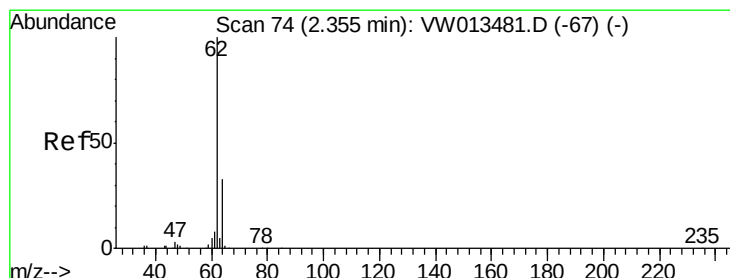
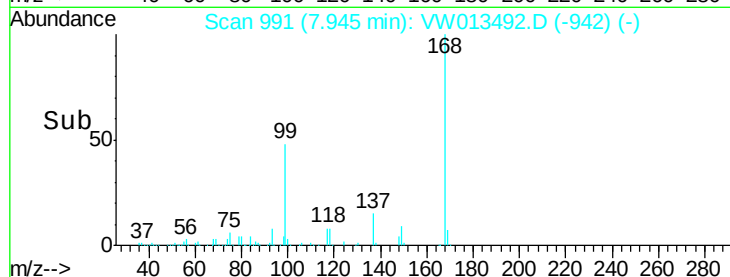
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 1.170 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013492.D

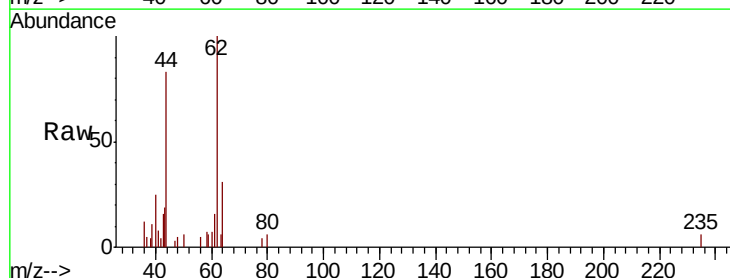
Acq: 08 Oct 2019 17:38

Tgt Ion: 62 Resp: 2809

Ion Ratio Lower Upper

62 100

64 25.9 26.6 39.8#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.35

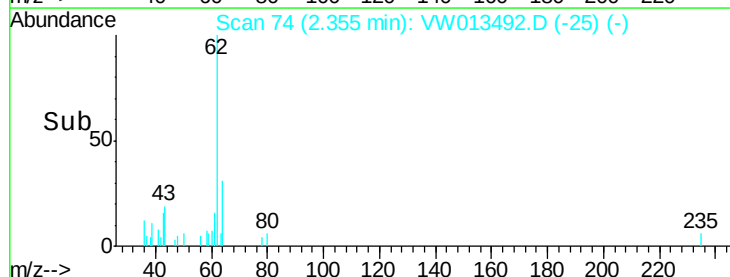
1500

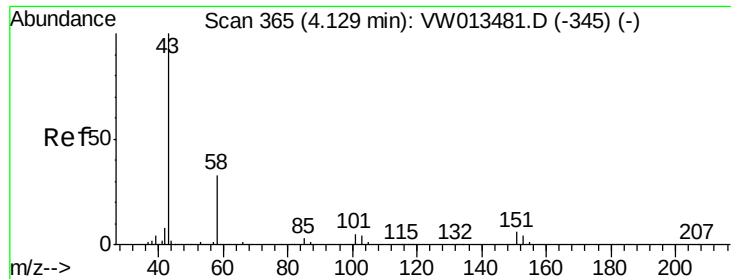
1000

500

0

Time-->





#16

Acetone

Concen: 34.027 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW013492.D

Acq: 08 Oct 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

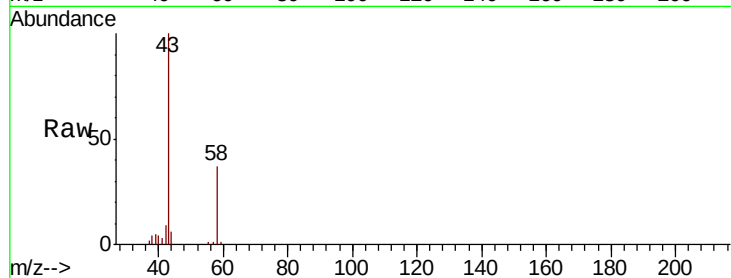
S-4(0-5)

Tot Ion: 43 Resp: 17097

Ion Ratio Lower Upper

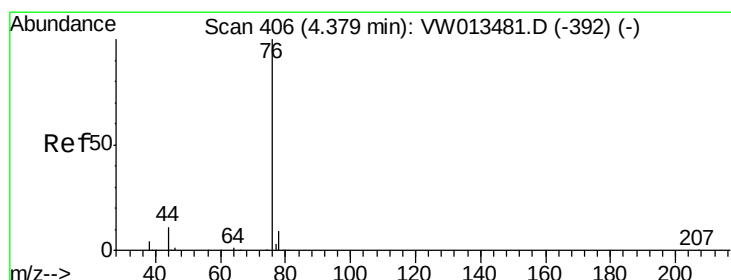
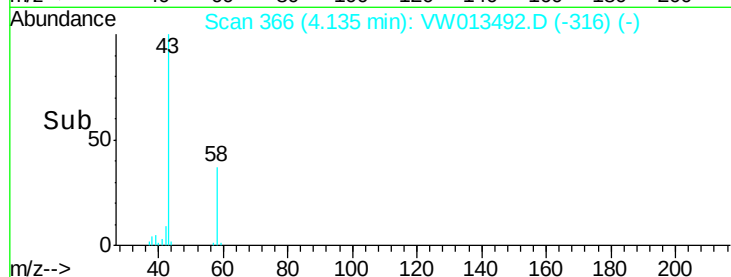
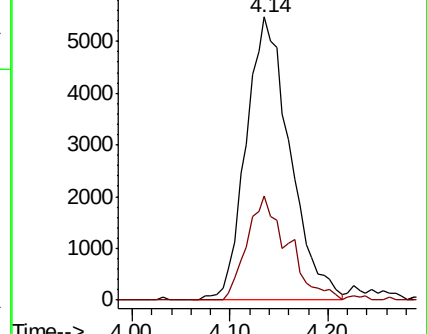
43 100

58 36.7 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: 6.003 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013492.D

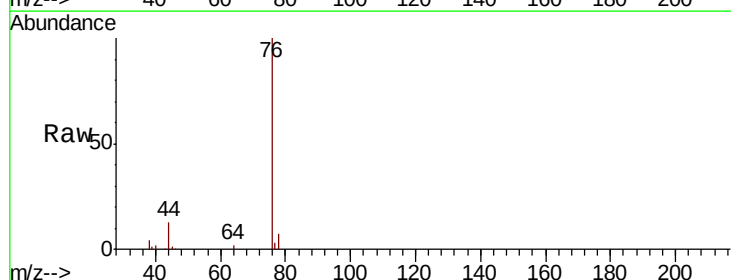
Acq: 08 Oct 2019 17:38

Tgt Ion: 76 Resp: 40873

Ion Ratio Lower Upper

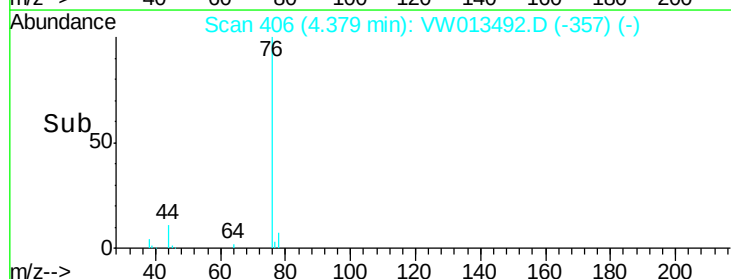
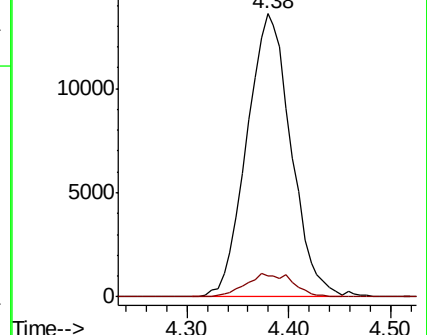
76 100

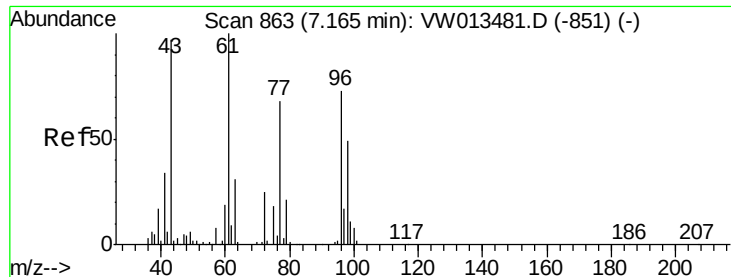
78 7.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW





#27

cis-1,2-Dichloroethene

Concen: 97.804 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013492.D

Acq: 08 Oct 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

S-4(0-5)

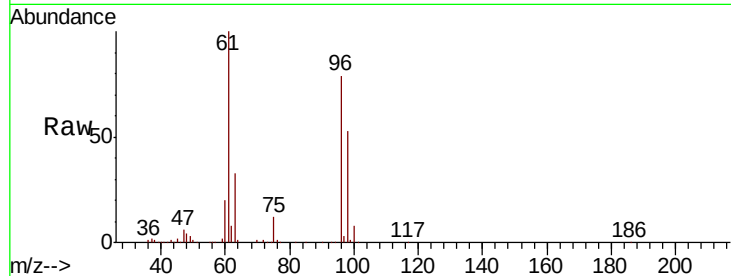
Tot Ion: 96 Resp: 266732

Ion Ratio Lower Upper

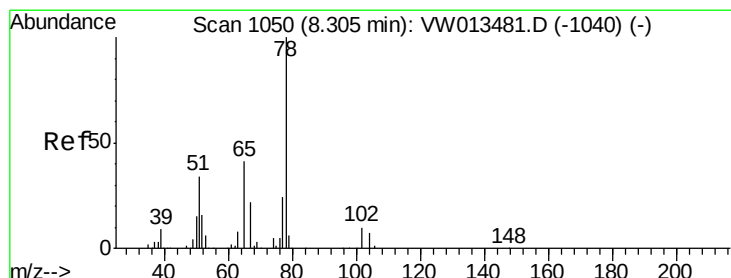
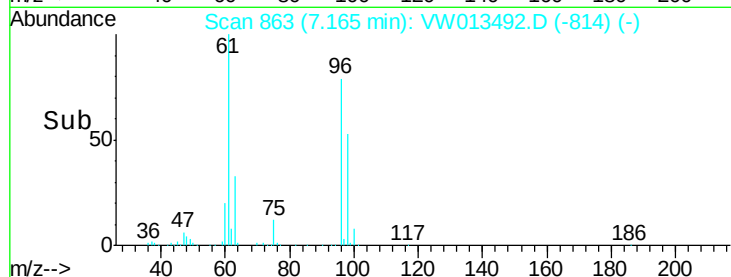
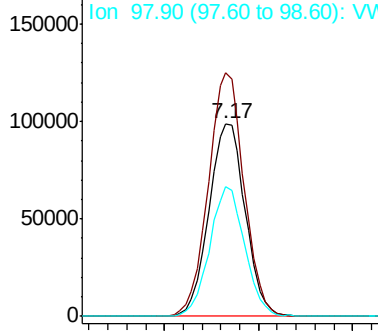
96 100

61 124.2 0.0 274.4

98 65.0 0.0 130.2



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



#33

1,2-Dichloroethane-d4

Concen: 51.209 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013492.D

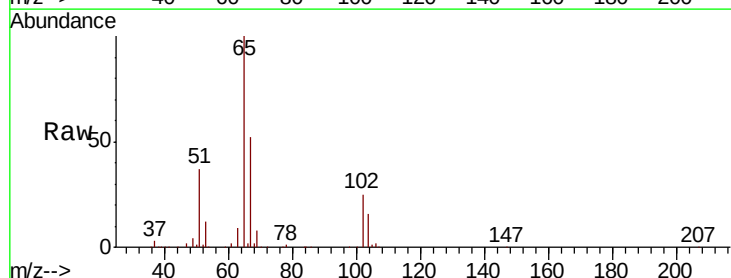
Acq: 08 Oct 2019 17:38

Tgt Ion: 65 Resp: 110567

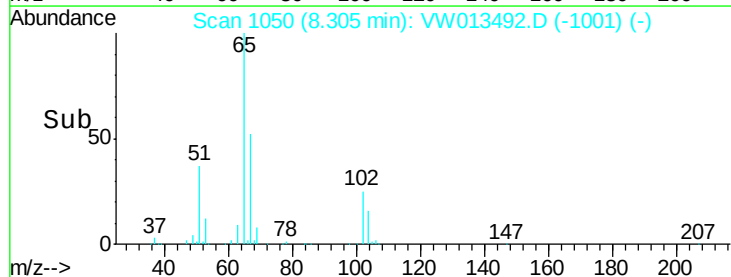
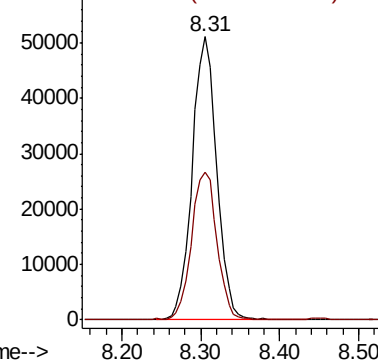
Ion Ratio Lower Upper

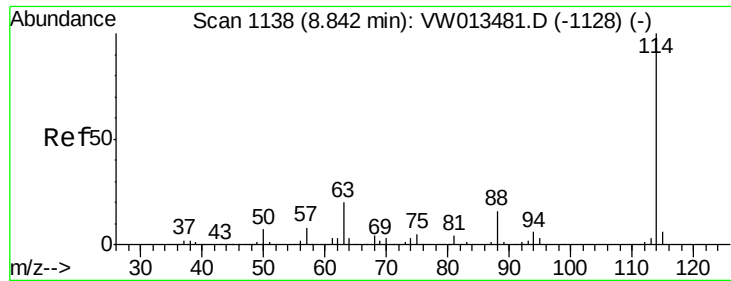
65 100

67 54.2 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

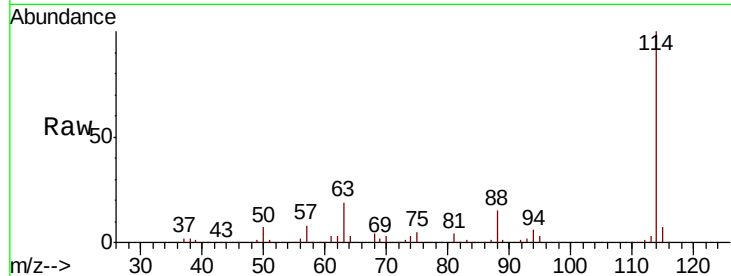




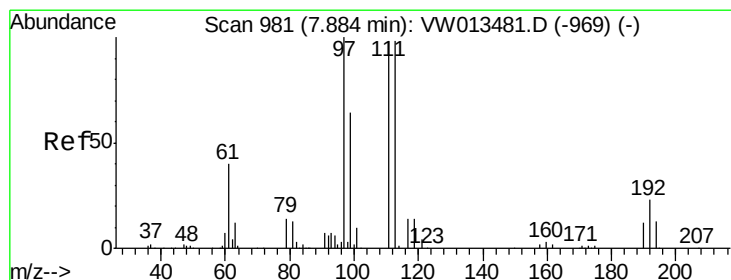
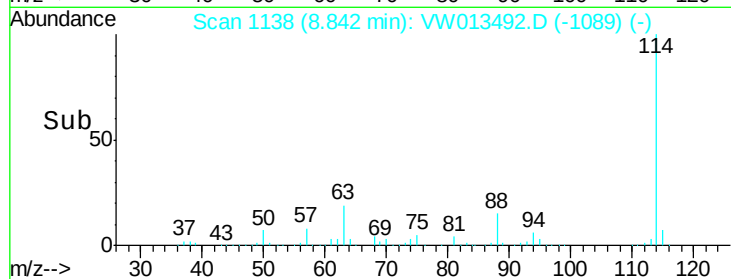
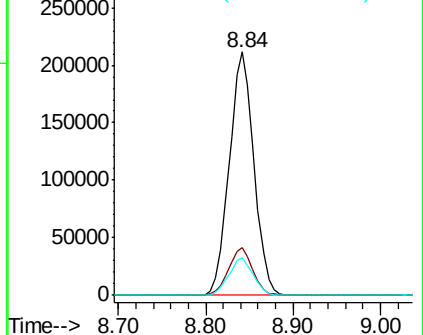
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013492.D
 Acq: 08 Oct 2019 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 S-4(0-5)

Tot Ion:114 Resp: 413318
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.4
 88 15.5 0.0 31.4

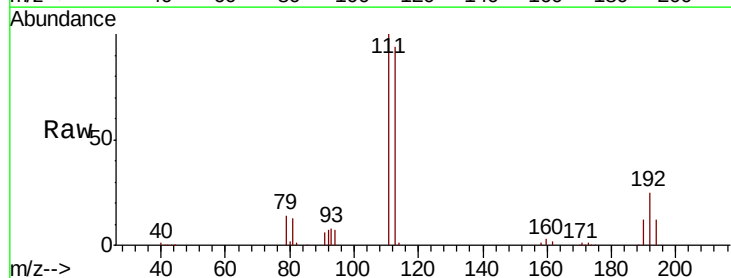


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

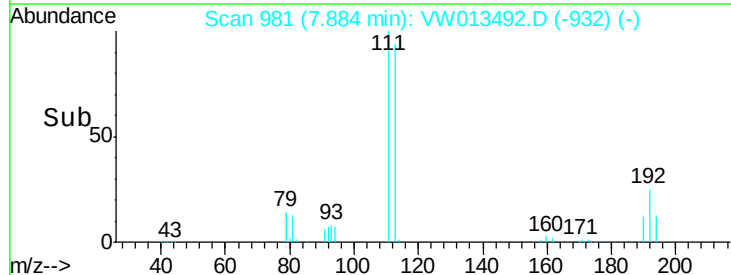
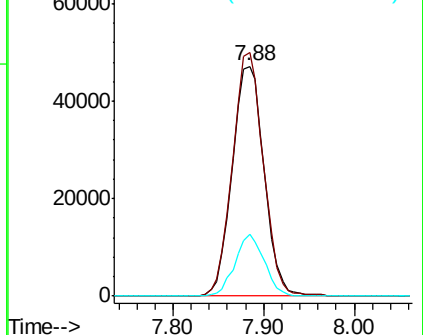


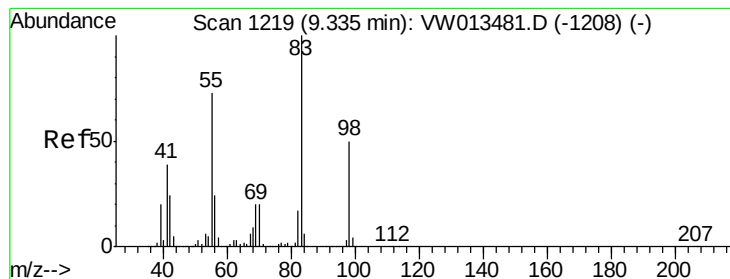
#35
 Dibromofluoromethane
 Concen: 49.876 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW013492.D
 Acq: 08 Oct 2019 17:38

Tgt Ion:113 Resp: 115137
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.3 123.5
 192 24.5 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





#39

Methylvlcyclohexane

Concen: 6.090 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013492.D

Acq: 08 Oct 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

S-4(0-5)

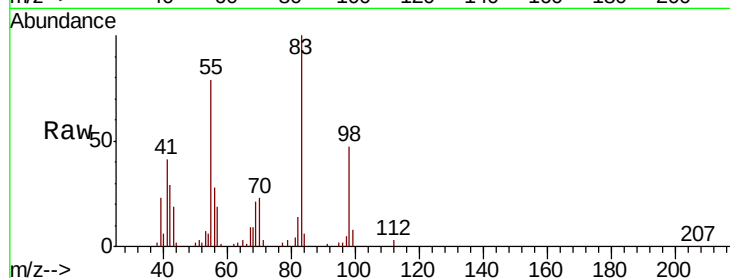
Tot Ion: 83 Resp: 29499

Ion Ratio Lower Upper

83 100

55 79.1 58.2 87.4

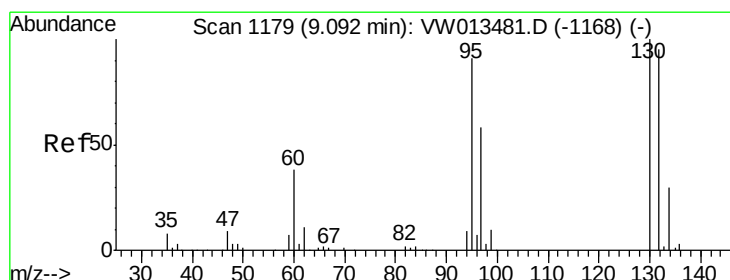
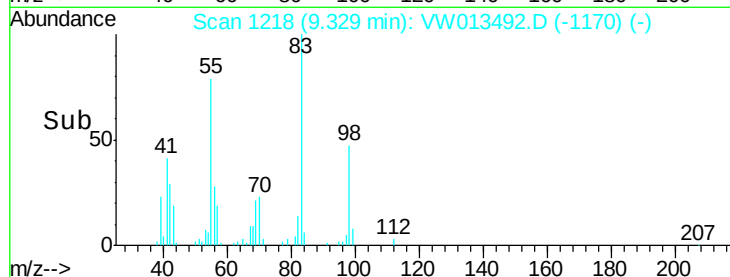
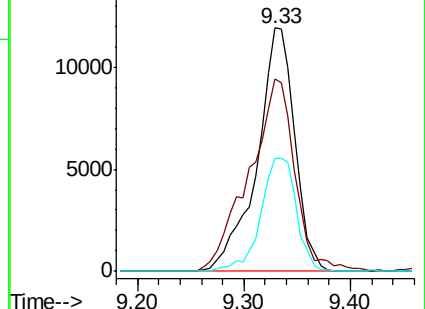
98 46.6 39.8 59.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#44

Trichloroethene

Concen: 9.563 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013492.D

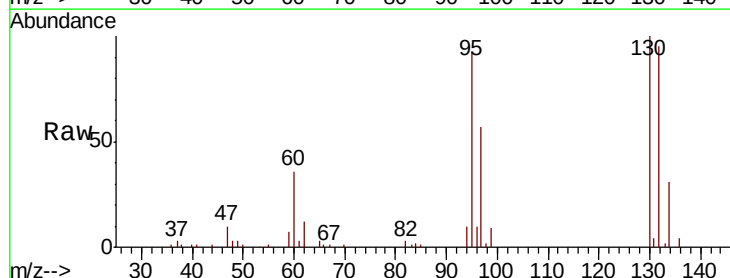
Acq: 08 Oct 2019 17:38

Tgt Ion: 130 Resp: 28475

Ion Ratio Lower Upper

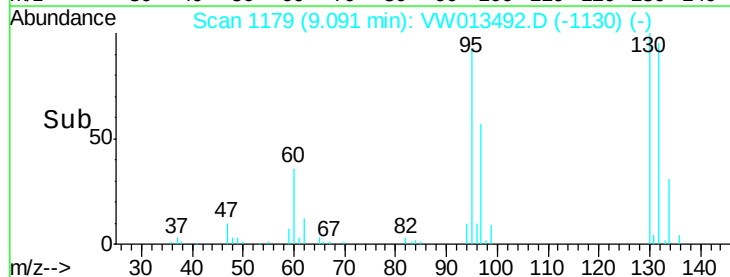
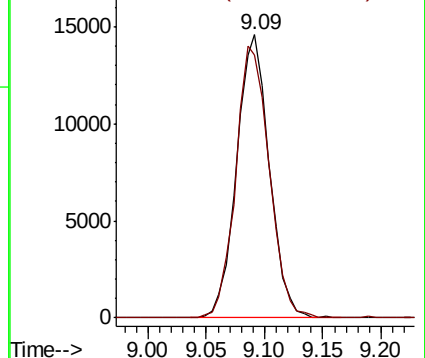
130 100

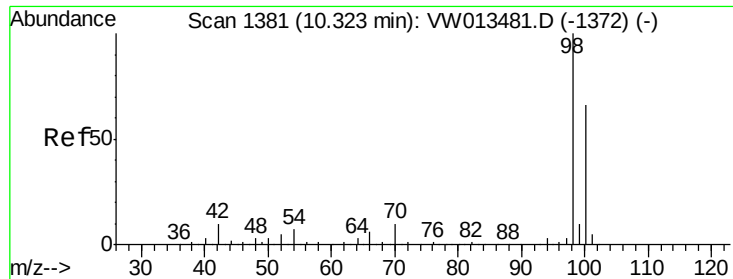
95 92.8 0.0 182.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

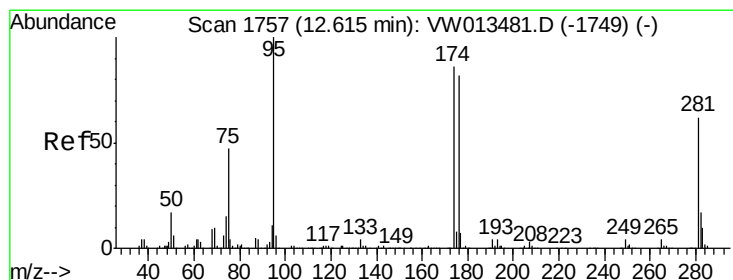
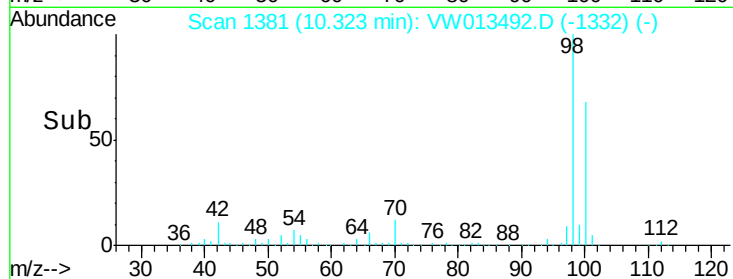
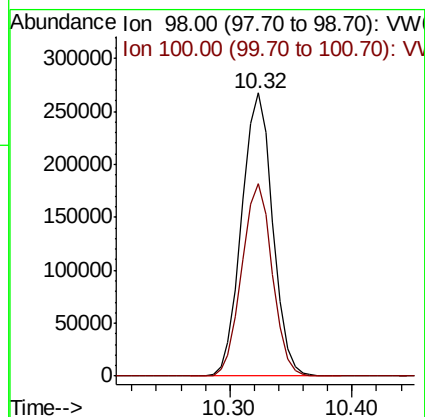
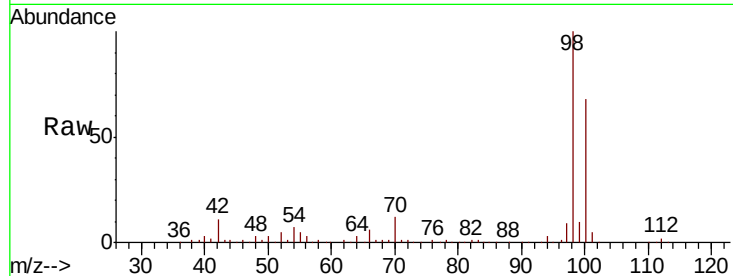




#50
Toluene-d8
Concen: 48.567 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013492.D
Acq: 08 Oct 2019 17:38

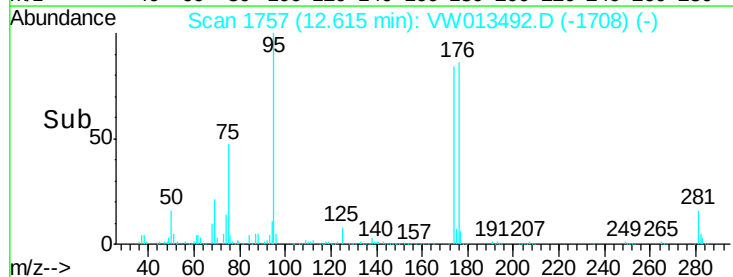
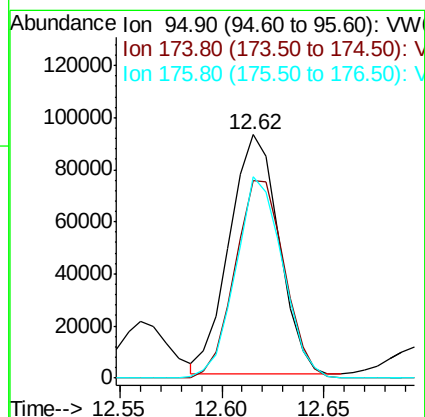
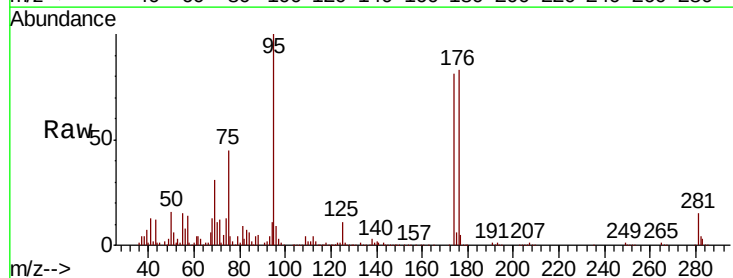
Instrument :
MSVOA_W
ClientSampled :
S-4(0-5)

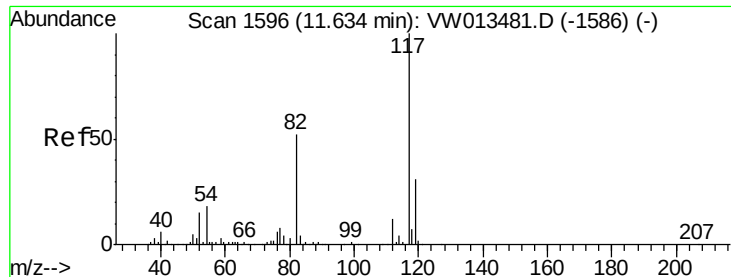
Tot Ion: 98 Resp: 471154
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 47.233 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013492.D
Acq: 08 Oct 2019 17:38

Tgt Ion: 95 Resp: 153931
Ion Ratio Lower Upper
95 100
174 83.3 0.0 177.4
176 80.2 0.0 173.4

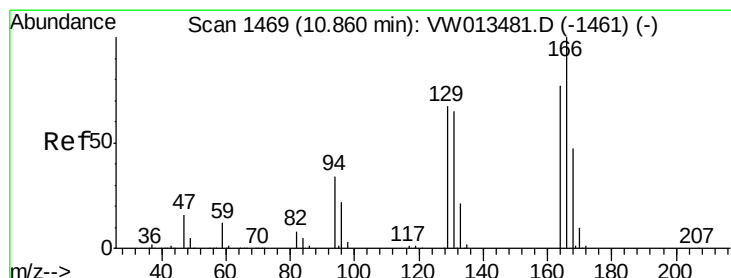
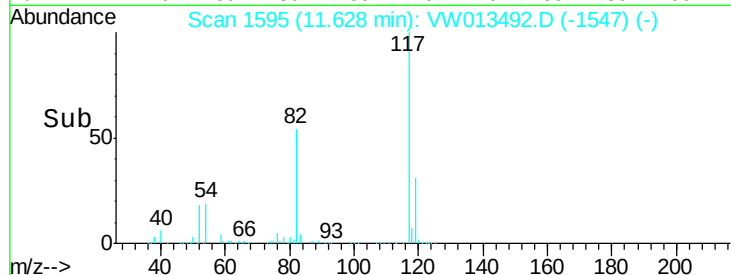
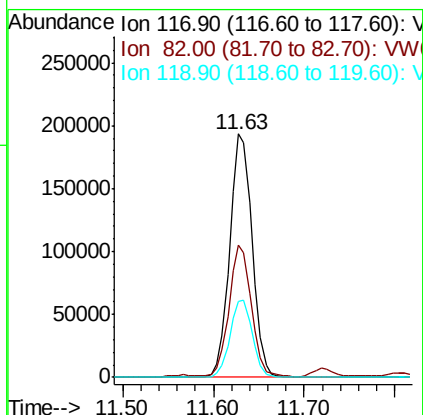
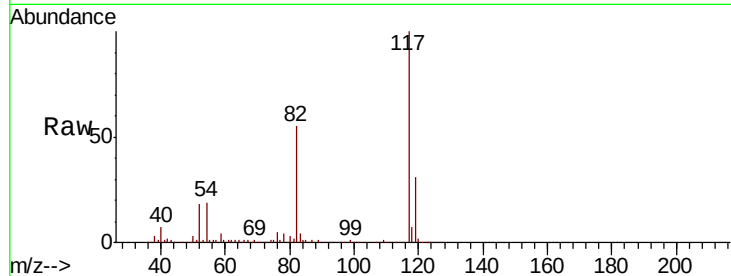




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013492.D
Acq: 08 Oct 2019 17:38

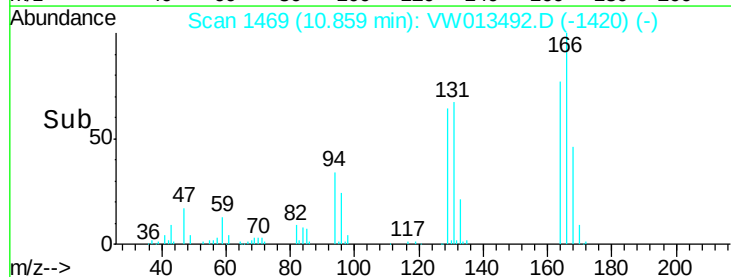
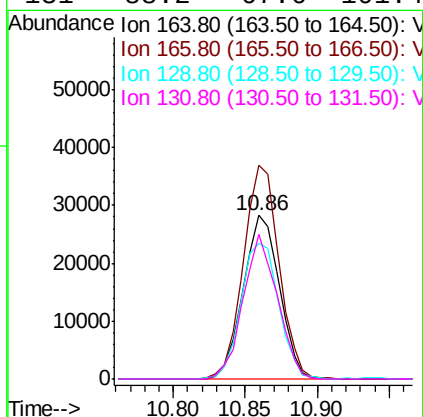
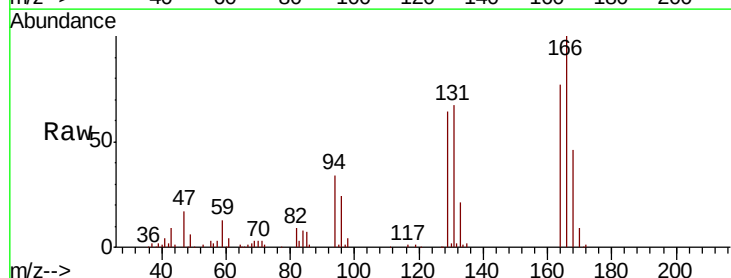
Instrument :
MSVOA_W
ClientSampleId :
S-4(0-5)

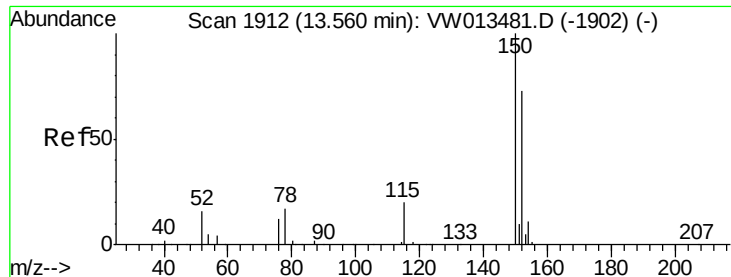
Tot Ion:117 Resp: 334424
Ion Ratio Lower Upper
117 100
82 53.8 41.4 62.2
119 31.4 25.1 37.7



#64
Tetrachloroethene
Concen: 19.882 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013492.D
Acq: 08 Oct 2019 17:38

Tgt Ion:164 Resp: 48935
Ion Ratio Lower Upper
164 100
166 130.7 104.6 156.8
129 83.1 70.2 105.2
131 88.2 67.6 101.4

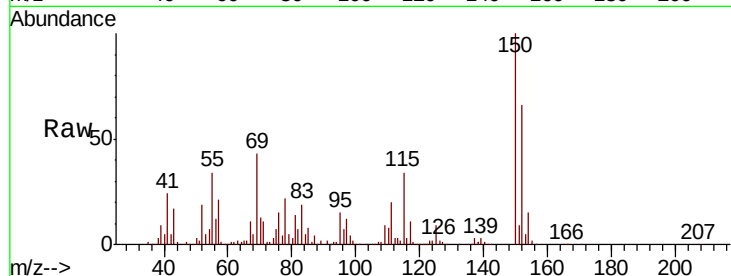




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.55 min Scan# 1911
 Delta R.T. -0.01 min
 Lab File: VW013492.D
 Acq: 08 Oct 2019 17:38

Instrument :
 MSVOA_W
 ClientSampled :
 S-4(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
115	48.6	27.0	81.0
150	138.1	0.0	337.4

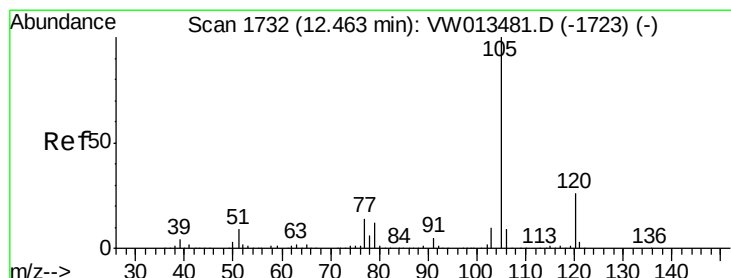
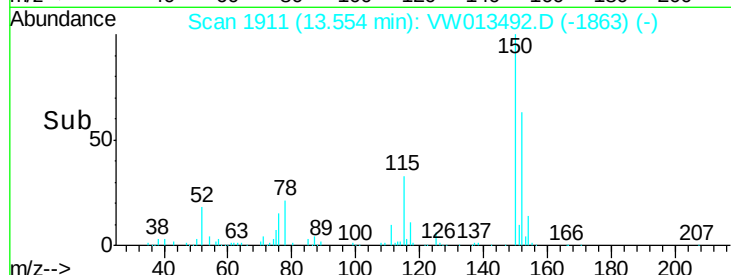
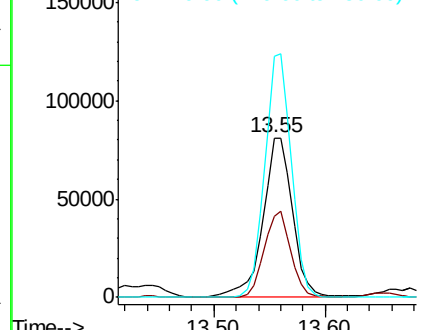


Abundance

Ion 151.90 (151.60 to 152.60): V

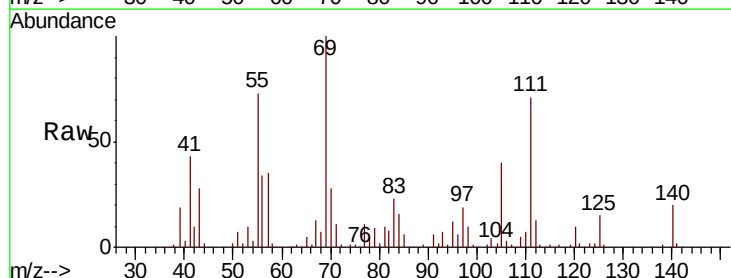
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73
 Isopropylbenzene
 Concen: 1.886 ug/l
 RT: 12.46 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: VW013492.D
 Acq: 08 Oct 2019 17:38

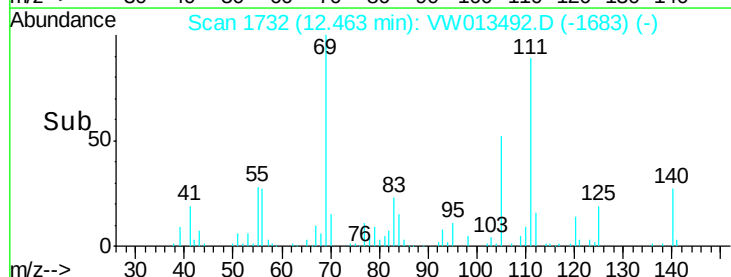
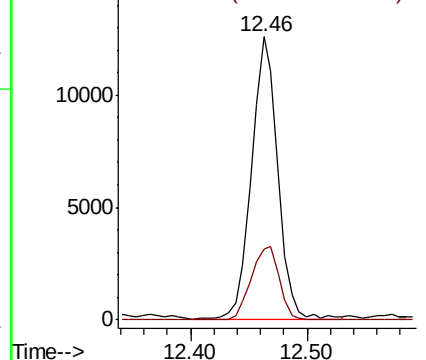
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.5	40.5

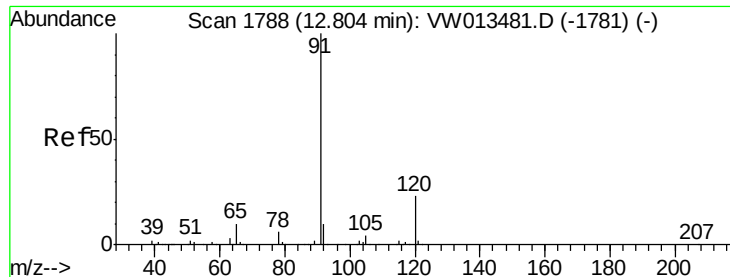


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.494 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013492.D

Acq: 08 Oct 2019 17:38

Instrument :

MSVOA_W

ClientSampleId :

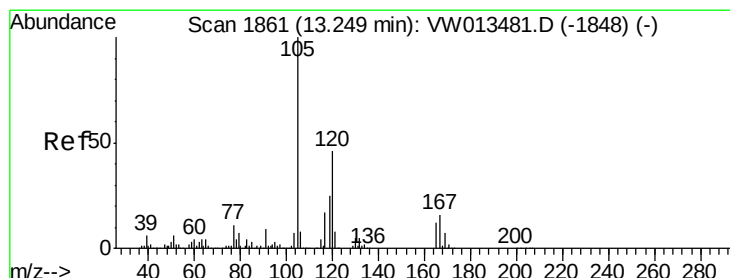
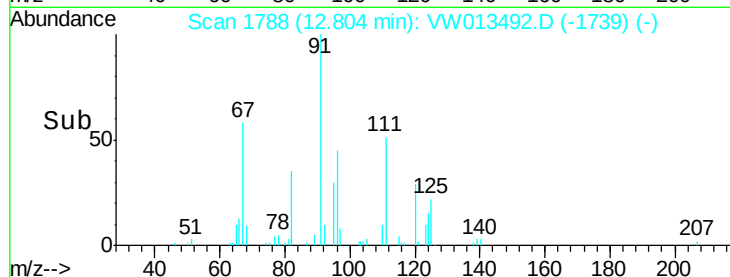
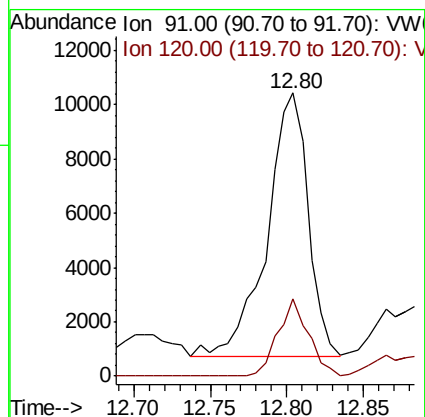
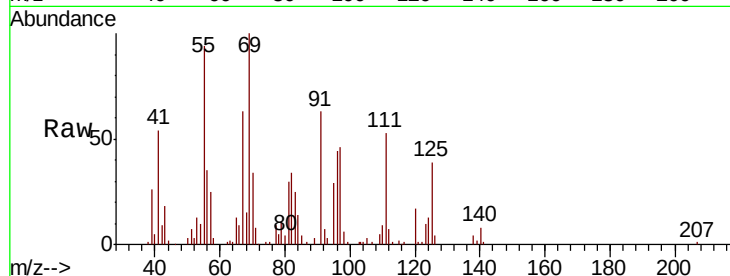
S-4(0-5)

Tot Ion: 91 Resp: 18338

Ion Ratio Lower Upper

91 100

120 21.5 11.7 35.1



#84

1,2,4-Trimethylbenzene

Concen: 2.946 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW013492.D

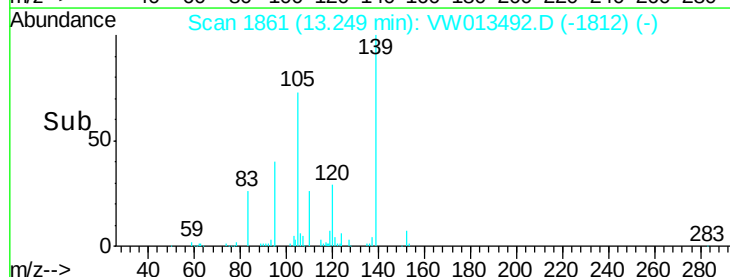
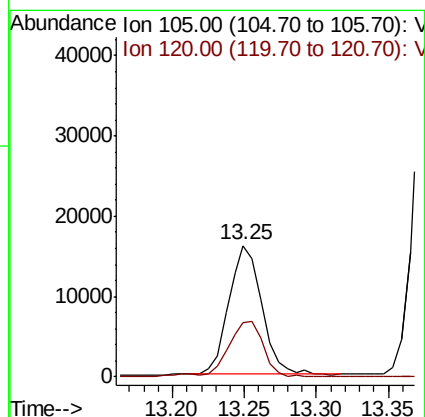
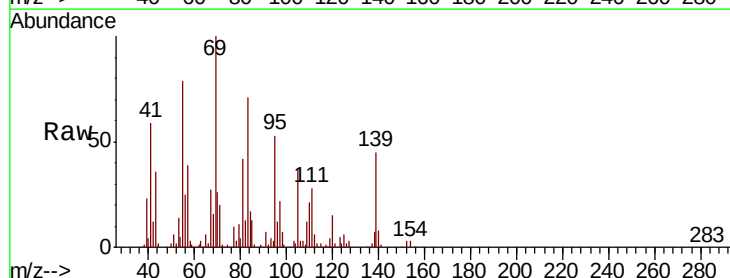
Acq: 08 Oct 2019 17:38

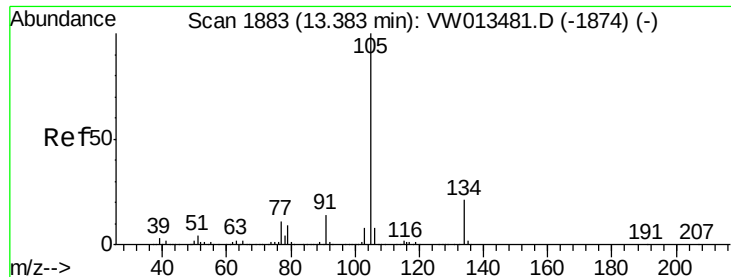
Tgt Ion:105 Resp: 25705

Ion Ratio Lower Upper

105 100

120 44.8 23.2 69.5

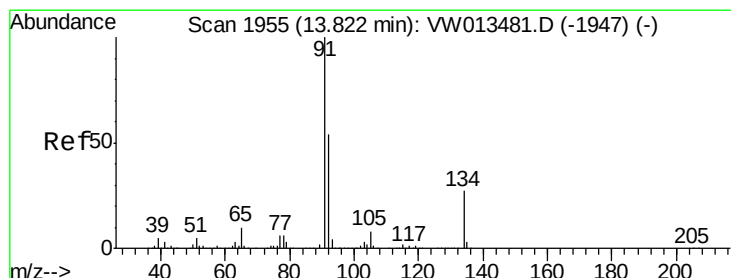
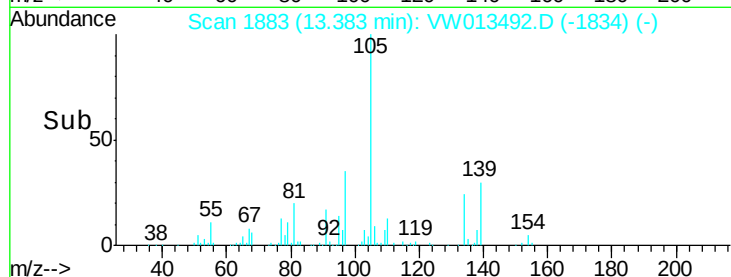
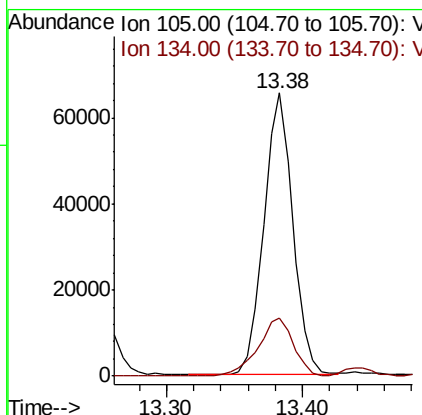
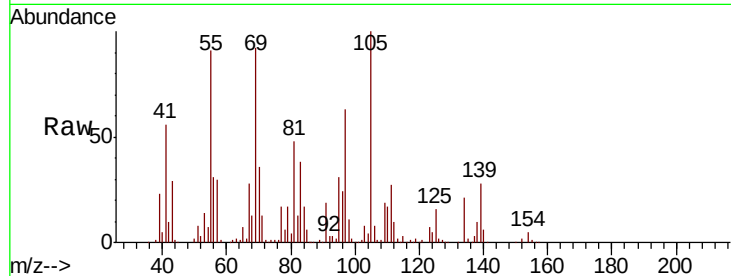




#85
 sec-Butylbenzene
 Concen: 9.043 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013492.D
 Acq: 08 Oct 2019 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 S-4(0-5)

Tot Ion:105 Resp: 97881
 Ion Ratio Lower Upper
 105 100
 134 25.1 10.4 31.4



#89
 n-Butylbenzene
 Concen: 5.009 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW013492.D
 Acq: 08 Oct 2019 17:38

Tgt Ion: 91 Resp: 44996
 Ion Ratio Lower Upper
 91 100
 92 51.7 27.5 82.4
 134 0.0 13.8 41.3#

