

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
 Data File : VW014546.D
 Acq On : 07 Jan 2020 14:56
 Operator : SY/VA
 Sample : K6476-06
 Misc : 8.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

Quant Time: Jan 08 06:38:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	677170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1026717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	719317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	620799	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	260154	43.94	ug/l	0.00
Spiked Amount			Recovery	=	87.88%	
35) Dibromofluoromethane	7.88	113	281733	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
50) Toluene-d8	10.32	98	1209353	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.61	95	646534	77.84	ug/l	0.00
Spiked Amount			Recovery	=	155.68%	

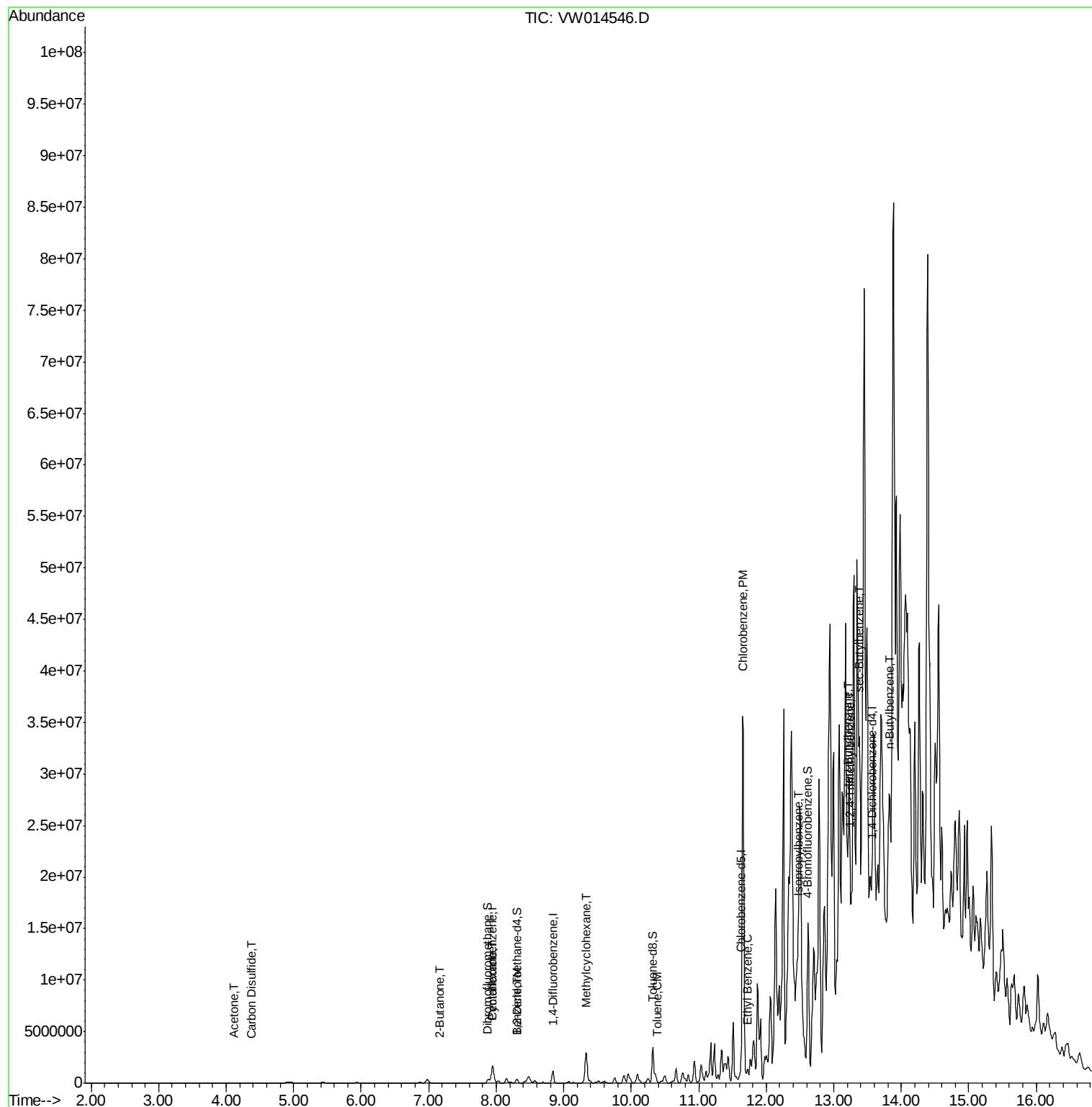
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.11	43	61415	36.736	ug/l	89
17) Carbon Disulfide	4.37	76	39467	1.943	ug/l	100
25) 2-Butanone	7.17	43	18864	8.793	ug/l #	85
31) Cyclohexane	7.95	56	631294	49.961	ug/l	97
39) Methylcyclohexane	9.33	83	1271792	100.124	ug/l	95
40) Benzene	8.32	78	76348	2.726	ug/l	97
52) Toluene	10.38	92	29038	1.648	ug/l	94
65) Chlorobenzene	11.65	112	17850347	1211.294	ug/l #	88
67) Ethyl Benzene	11.73	91	111308	4.191	ug/l	96
73) Isopropylbenzene	12.46	105	616523	13.535	ug/l	100
83) tert-Butylbenzene	13.21	119	761520	22.742	ug/l	91
84) 1,2,4-Trimethylbenzene	13.25	105	382400	10.047	ug/l	98
85) sec-Butylbenzene	13.38	105	3836762	82.778	ug/l #	55
89) n-Butylbenzene	13.82	91	4417974	112.610	ug/l	90

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014546.D

Acq: 07 Jan 2020 14:56

Instrument :

MSVOA_W

ClientSampleId :

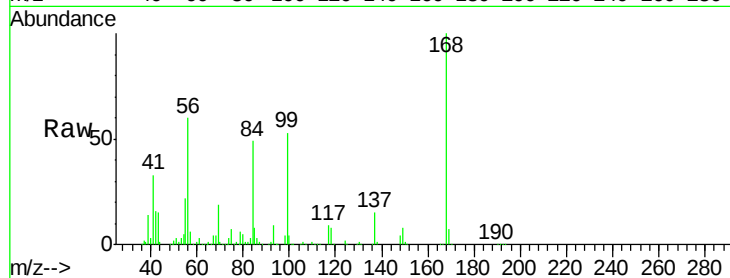
WP022SB455_191227-14-16

Tgt Ion:168 Resp: 677170

Ion Ratio Lower Upper

168 100

99 52.7 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

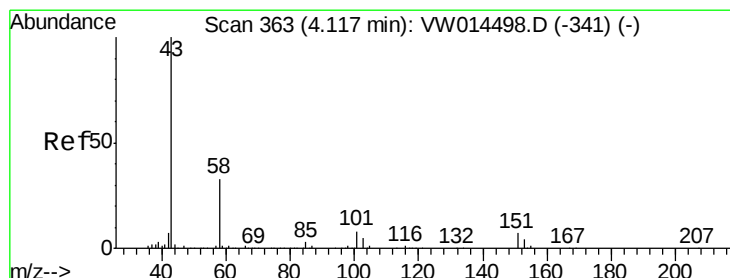
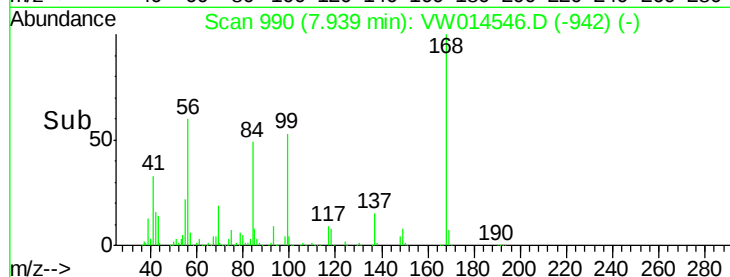
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 36.736 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014546.D

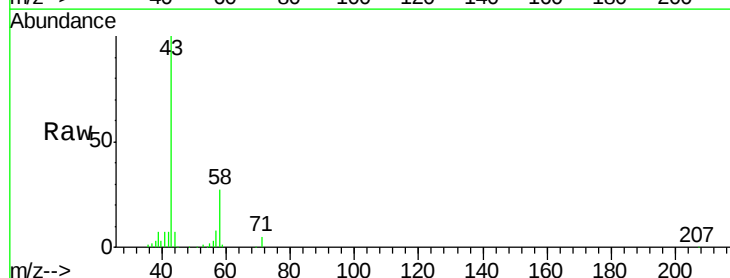
Acq: 07 Jan 2020 14:56

Tgt Ion: 43 Resp: 61415

Ion Ratio Lower Upper

43 100

58 26.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.11

25000

20000

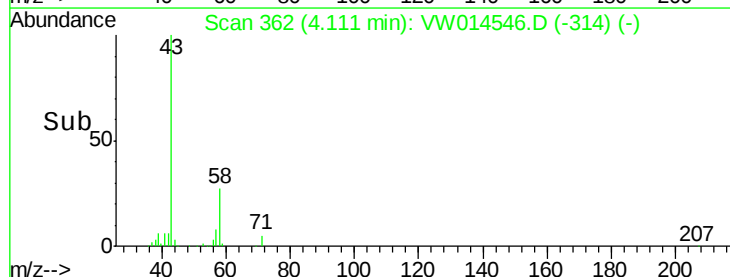
15000

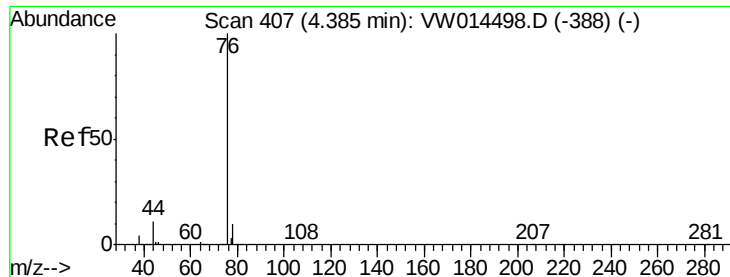
10000

5000

0

Time-->





#17

Carbon Disulfide

Concen: 1.943 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW014546.D

Acq: 07 Jan 2020 14:56

Instrument :

MSVOA_W

ClientSampleId :

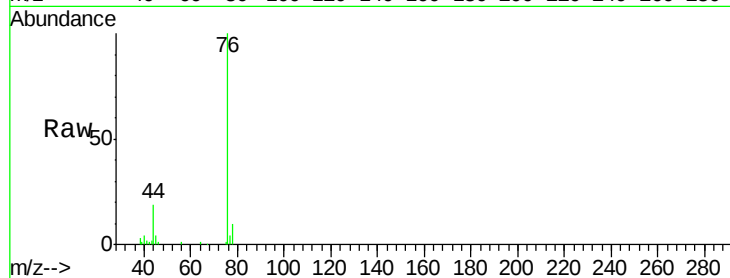
WP022SB455_191227-14-16

Tgt Ion: 76 Resp: 39467

Ion Ratio Lower Upper

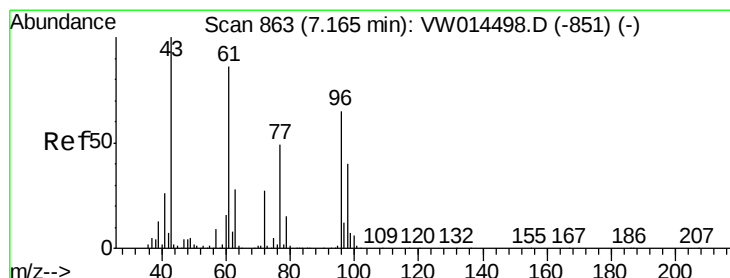
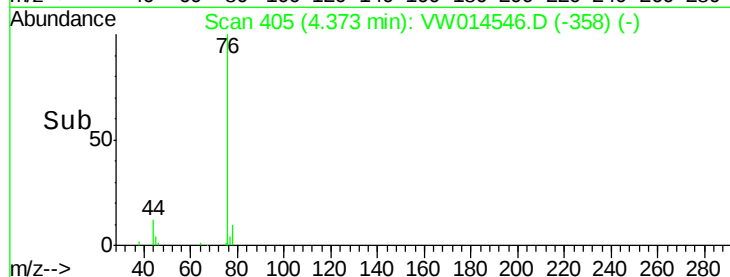
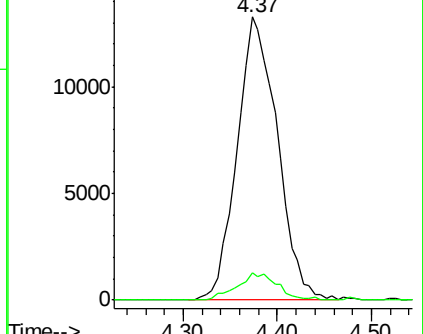
76 100

78 9.5 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#25

2-Butanone

Concen: 8.793 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW014546.D

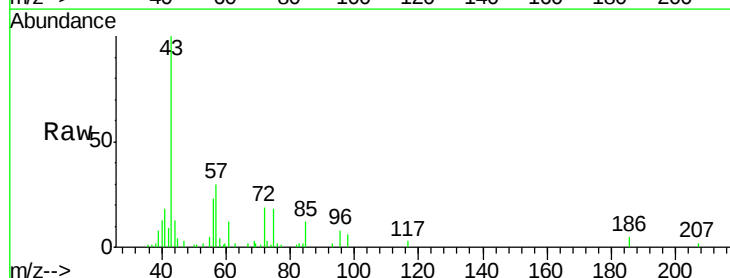
Acq: 07 Jan 2020 14:56

Tgt Ion: 43 Resp: 18864

Ion Ratio Lower Upper

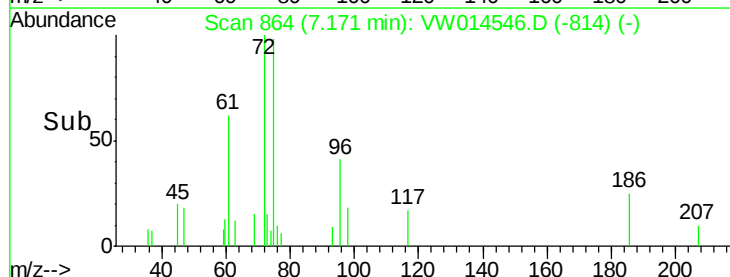
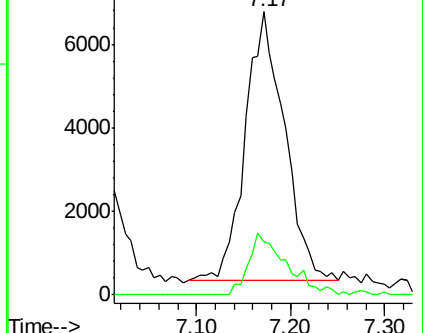
43 100

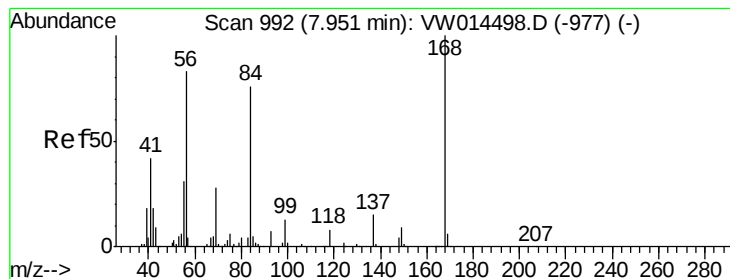
72 19.8 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 49.961 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014546.D

Acq: 07 Jan 2020 14:56

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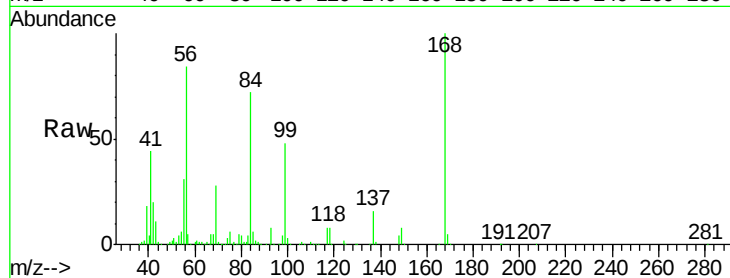
Tgt Ion: 56 Resp: 631294

Ion Ratio Lower Upper

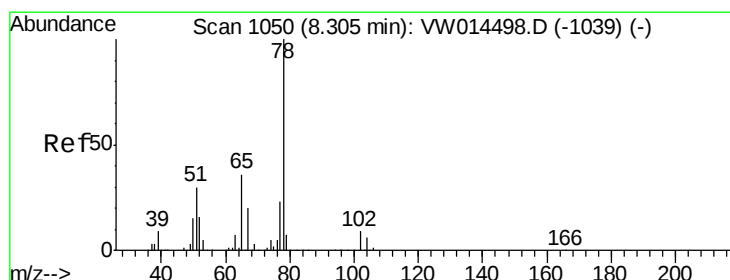
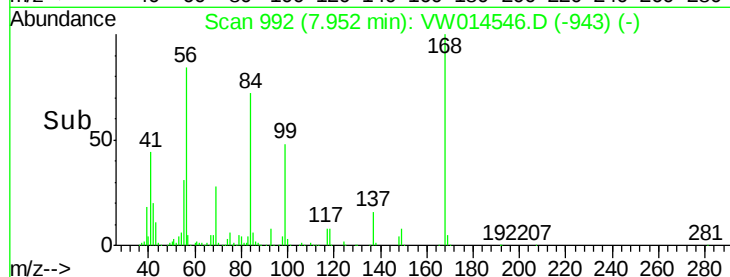
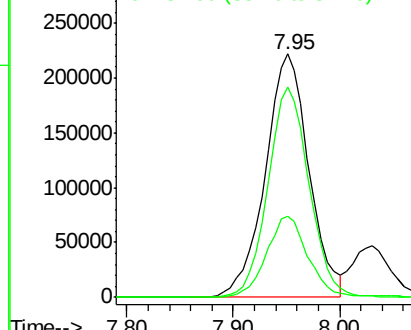
56 100

69 33.2 26.8 40.2

84 86.2 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: 43.941 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014546.D

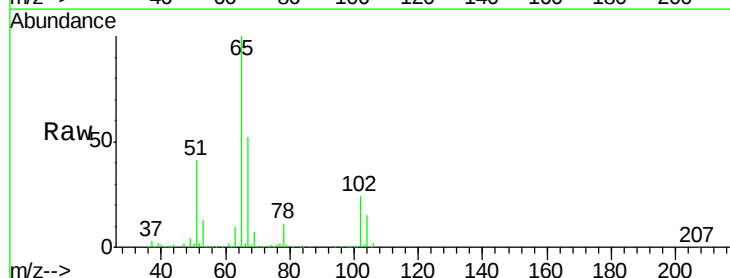
Acq: 07 Jan 2020 14:56

Tgt Ion: 65 Resp: 260154

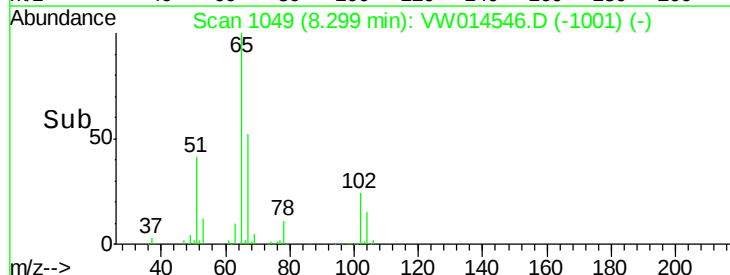
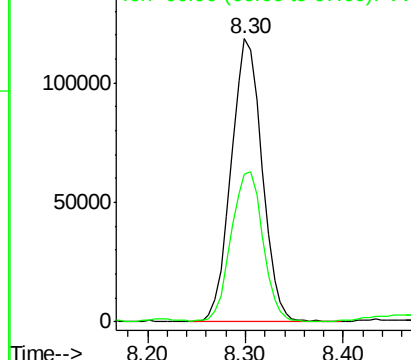
Ion Ratio Lower Upper

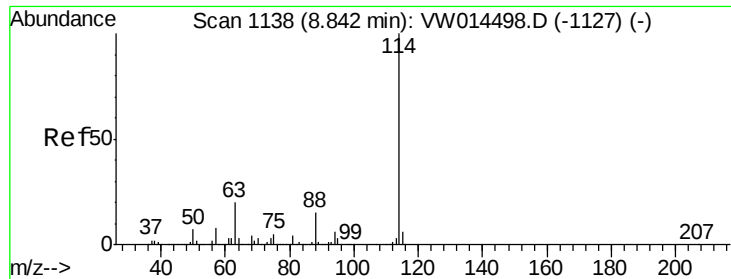
65 100

67 53.9 0.0 108.4



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

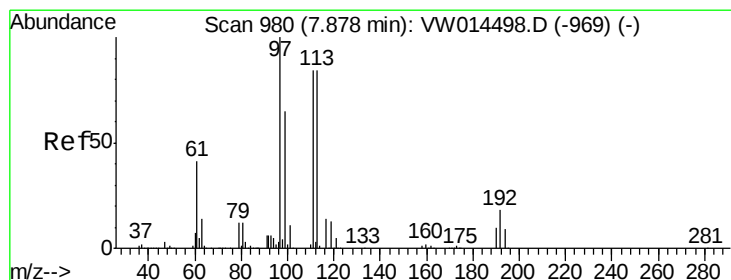
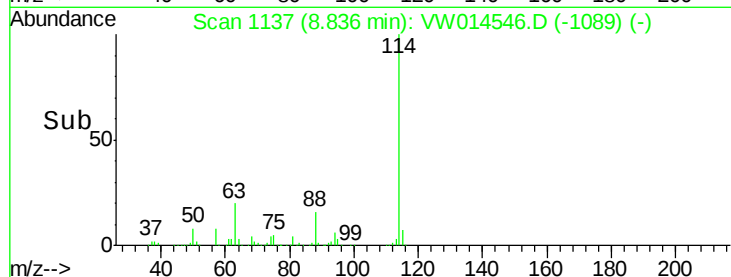
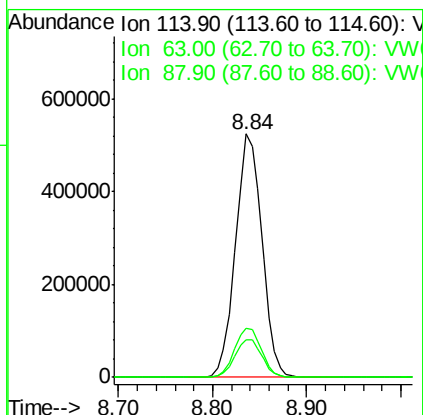
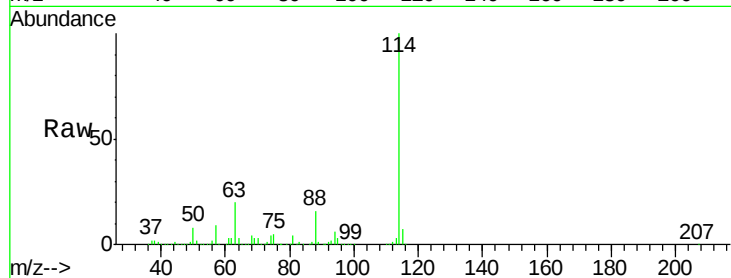




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014546.D
 Acq: 07 Jan 2020 14:56

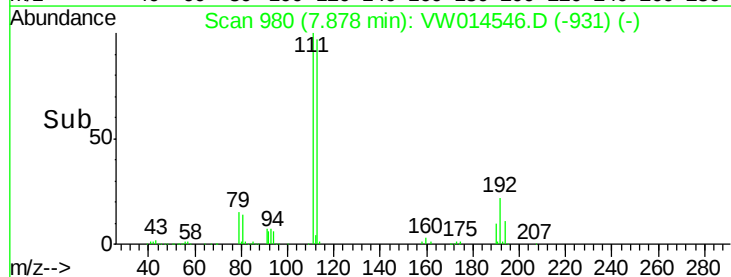
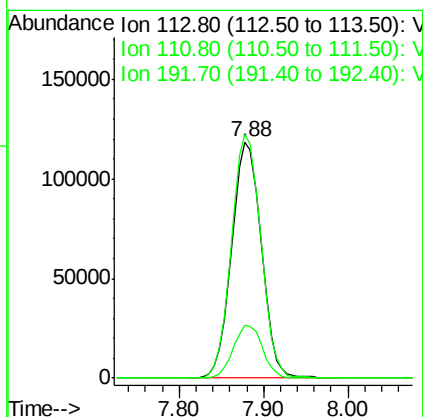
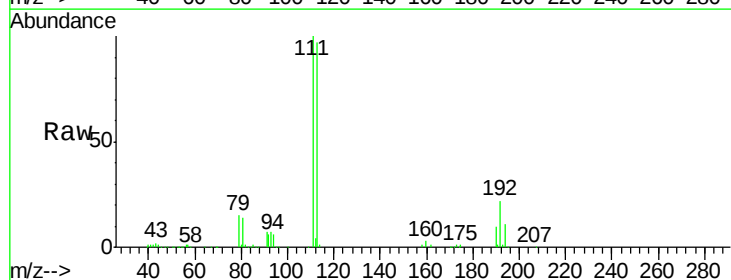
Instrument :
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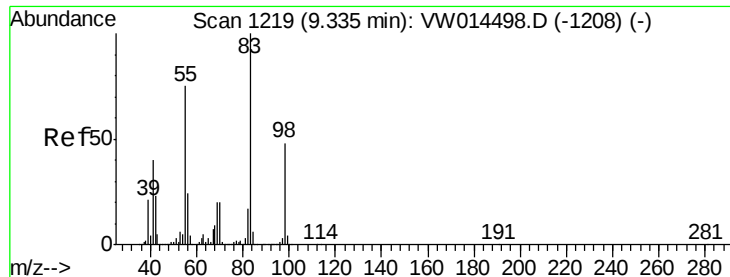
Tgt Ion:114 Resp: 1026717
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 15.5 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 48.013 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014546.D
 Acq: 07 Jan 2020 14:56

Tgt Ion:113 Resp: 281733
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.4 122.2
 192 22.1 17.8 26.8

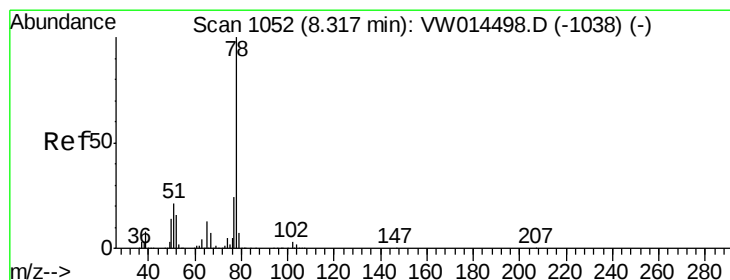
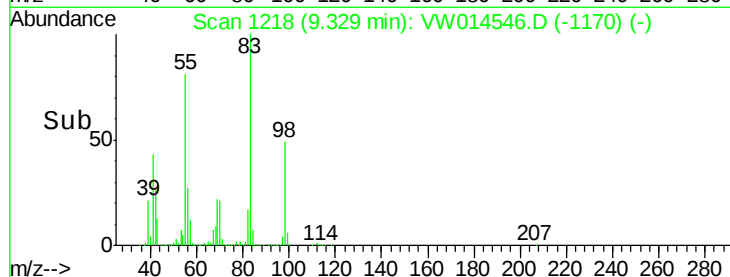
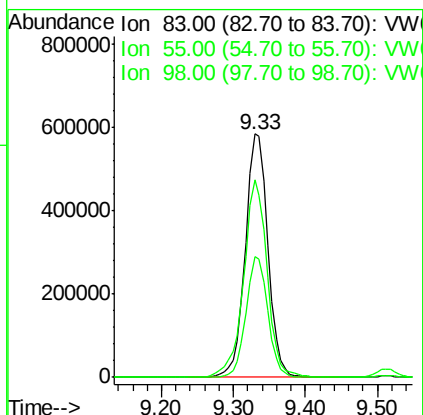
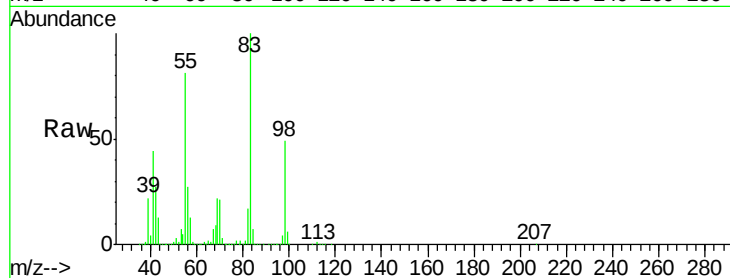




#39
Methylcyclohexane
Concen: 100.124 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014546.D
Acq: 07 Jan 2020 14:56

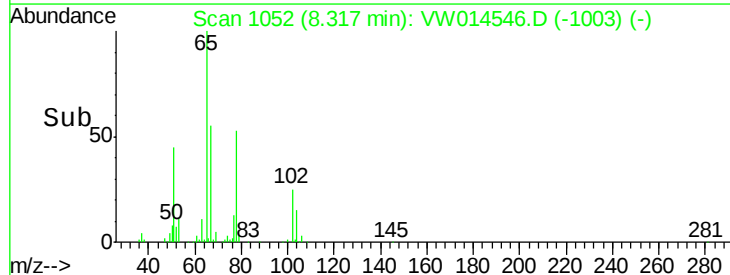
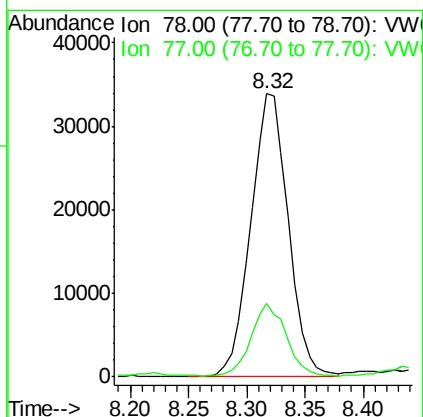
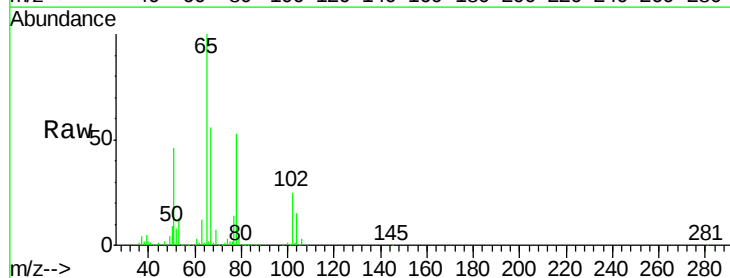
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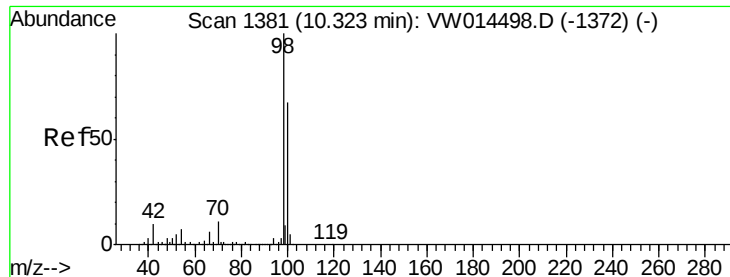
Tgt Ion: 83 Resp: 1271792
Ion Ratio Lower Upper
83 100
55 81.2 60.1 90.1
98 49.4 38.8 58.2



#40
Benzene
Concen: 2.726 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014546.D
Acq: 07 Jan 2020 14:56

Tgt Ion: 78 Resp: 76348
Ion Ratio Lower Upper
78 100
77 25.5 19.3 28.9





#50

Toluene-d8

Concen: 49.385 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VW014546.D

Acq: 07 Jan 2020 14:56

Instrument :

MSVOA_W

ClientSampleId :

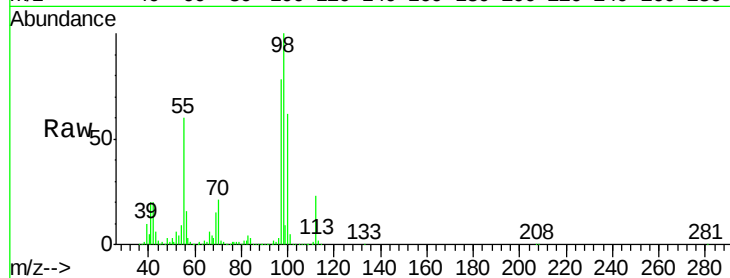
WP022SB455_191227-14-16

Tgt Ion: 98 Resp: 1209353

Ion Ratio Lower Upper

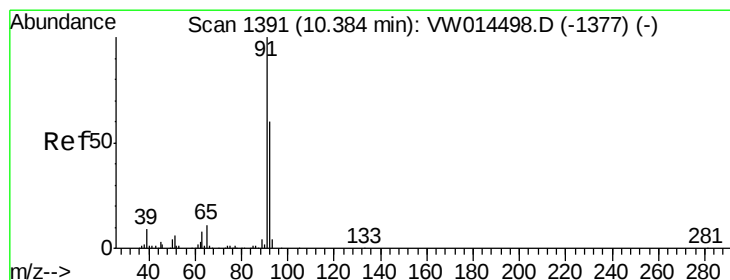
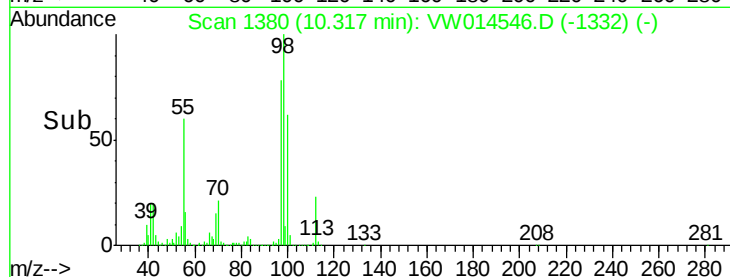
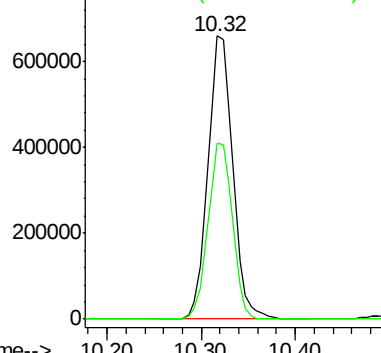
98 100

100 60.9 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.648 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014546.D

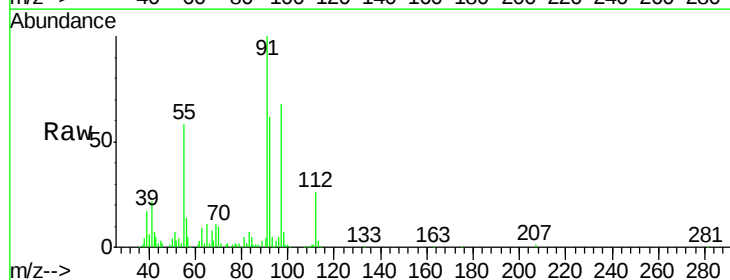
Acq: 07 Jan 2020 14:56

Tgt Ion: 92 Resp: 29038

Ion Ratio Lower Upper

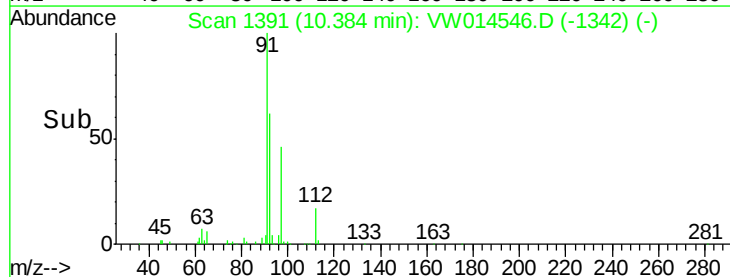
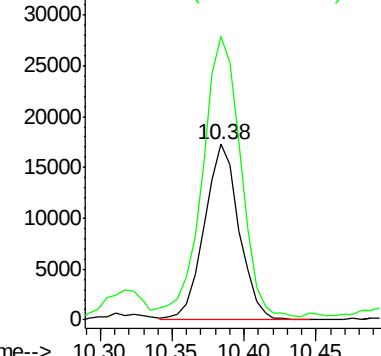
92 100

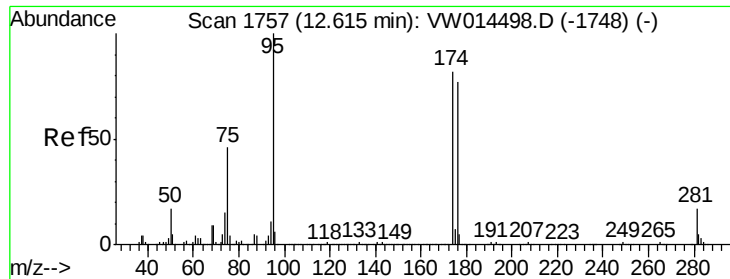
91 175.9 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

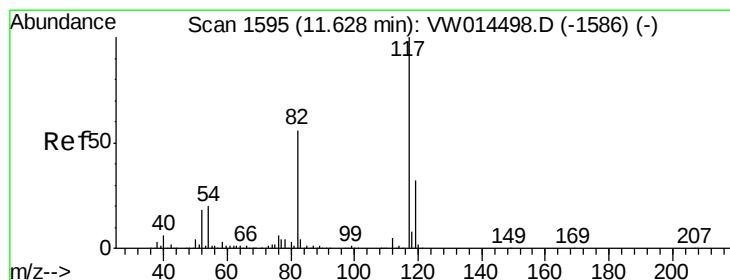
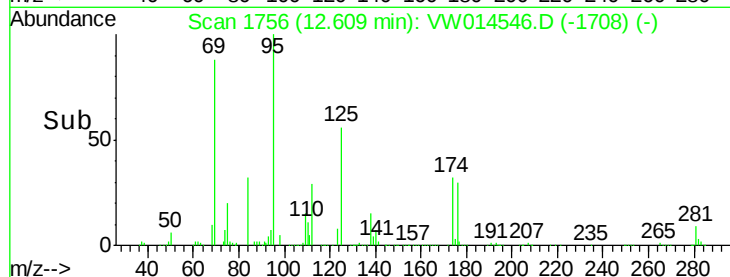
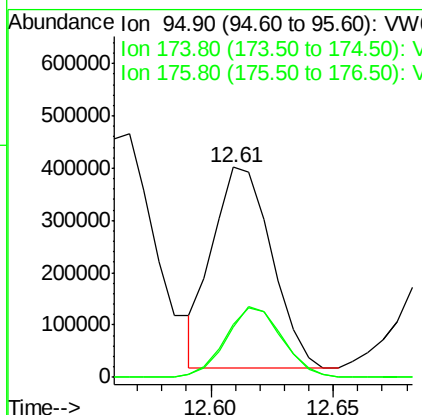
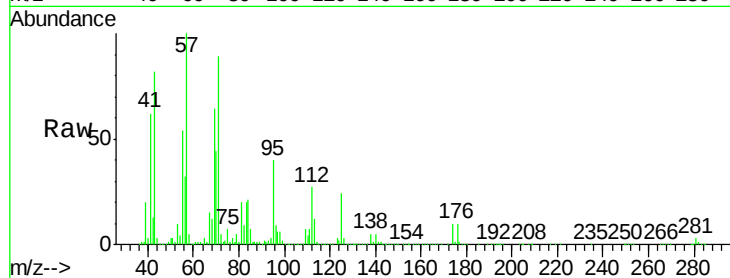




#62
4-Bromofluorobenzene
Concen: 77.839 ug/l
RT: 12.61 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VW014546.D
Acq: 07 Jan 2020 14:56

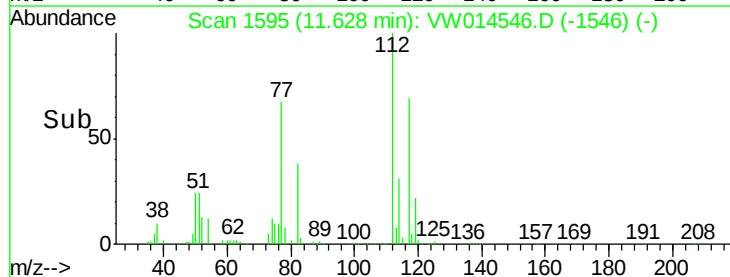
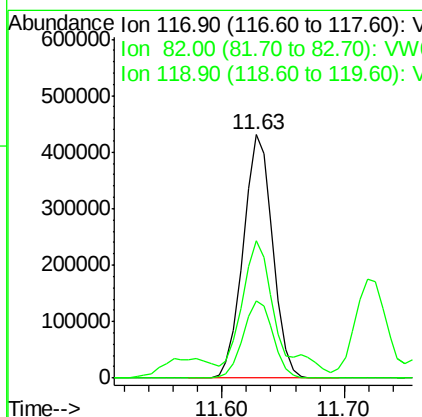
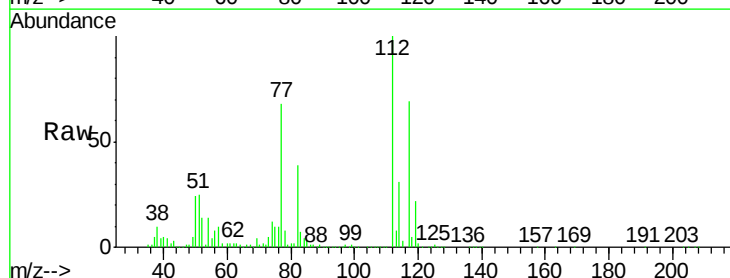
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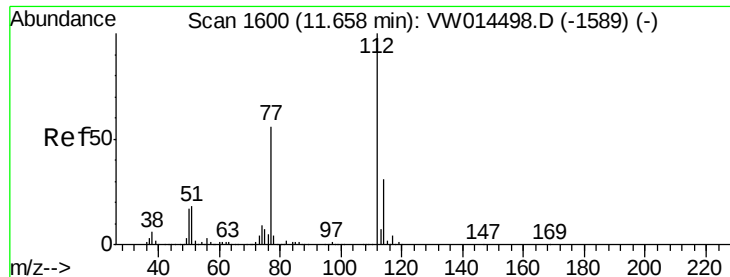
Tgt Ion: 95 Resp: 646534
Ion Ratio Lower Upper
95 100
174 34.0 0.0 168.6
176 33.1 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014546.D
Acq: 07 Jan 2020 14:56

Tgt Ion: 117 Resp: 719317
Ion Ratio Lower Upper
117 100
82 52.7 44.6 67.0
119 31.5 25.7 38.5





#65

Chlorobenzene

Concen: 1211.294 ug/l

RT: 11.65 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VW014546.D

Acq: 07 Jan 2020 14:56

Instrument :

MSVOA_W

ClientSampleId :

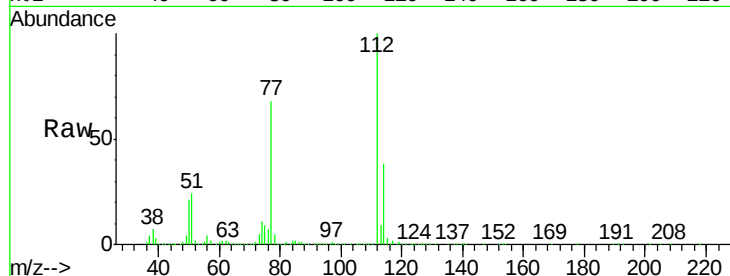
WP022SB455_191227-14-16

Tgt Ion:112 Resp:17850347

Ion Ratio Lower Upper

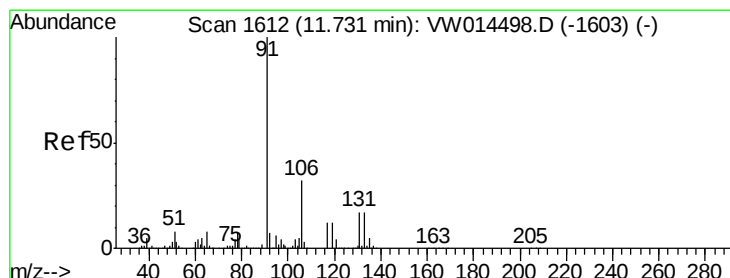
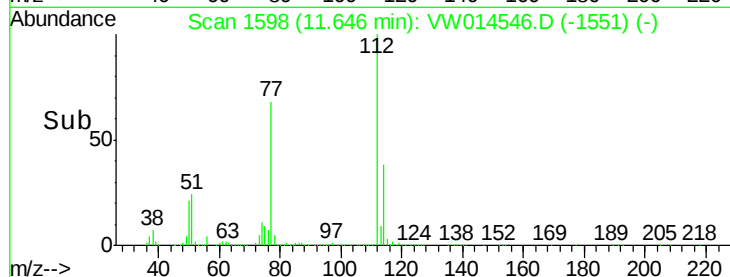
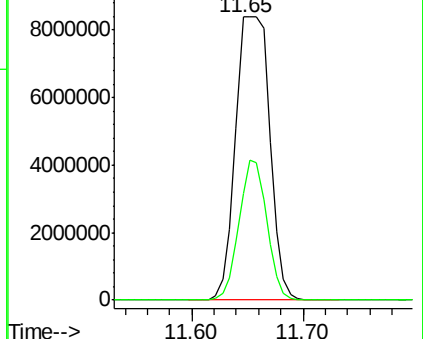
112 100

114 37.6 24.6 37.0#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 4.191 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW014546.D

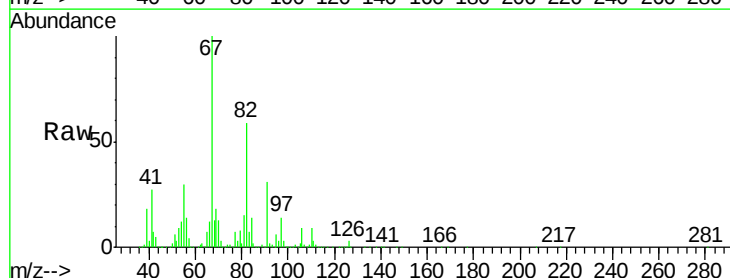
Acq: 07 Jan 2020 14:56

Tgt Ion: 91 Resp: 111308

Ion Ratio Lower Upper

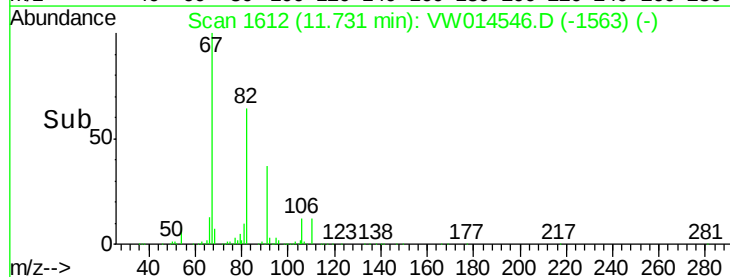
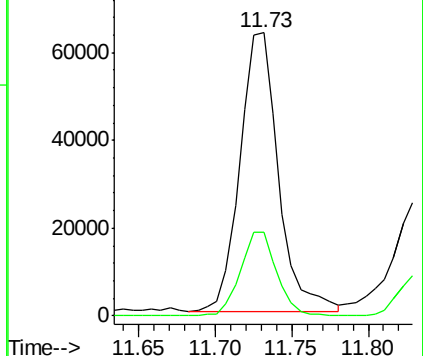
91 100

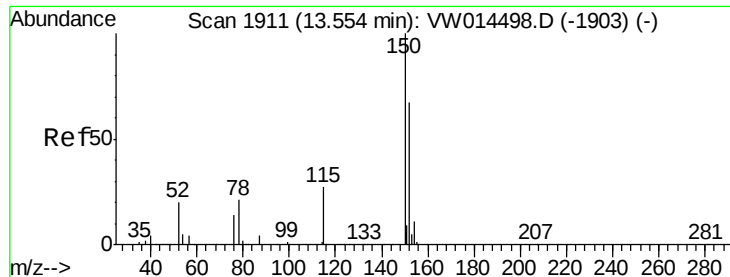
106 29.9 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): 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: VW014546.D

Acq: 07 Jan 2020 14:56

Instrument :

MSVOA_W

ClientSampleId :

WP022SB455_191227-14-16

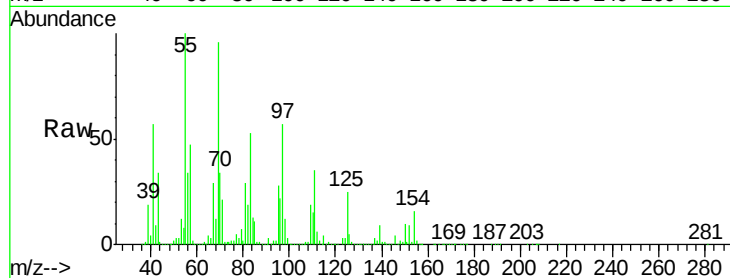
Tgt Ion:152 Resp: 620799

Ion Ratio Lower Upper

152 100

115 19.0 27.7 83.1#

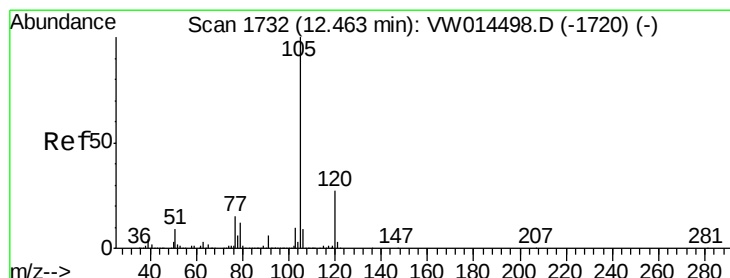
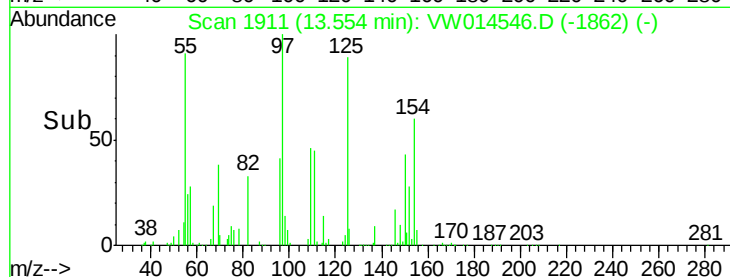
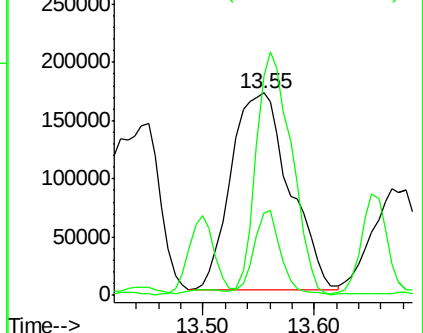
150 74.3 0.0 343.4



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: 13.535 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014546.D

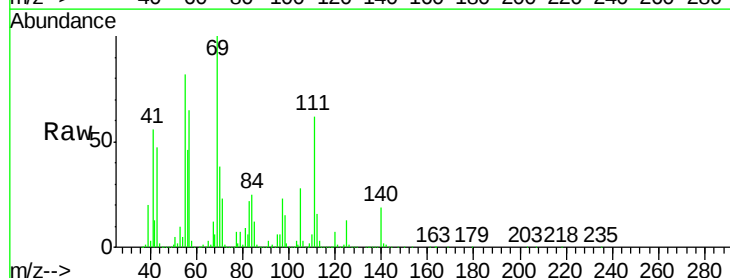
Acq: 07 Jan 2020 14:56

Tgt Ion:105 Resp: 616523

Ion Ratio Lower Upper

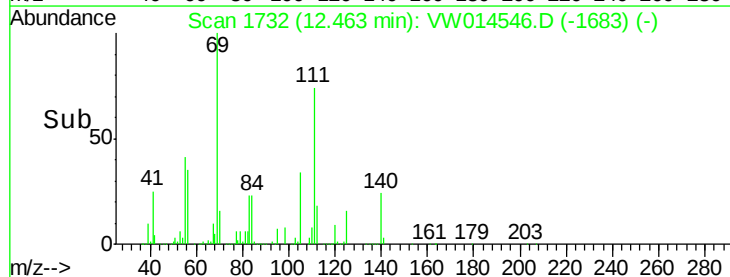
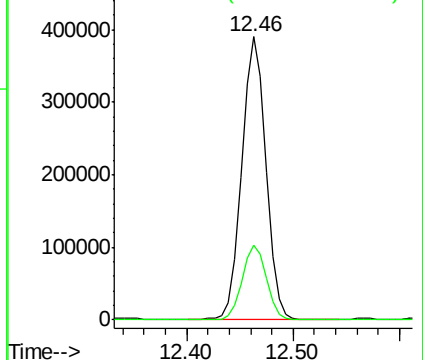
105 100

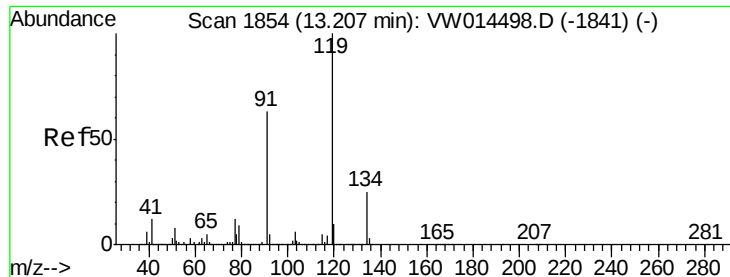
120 26.4 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

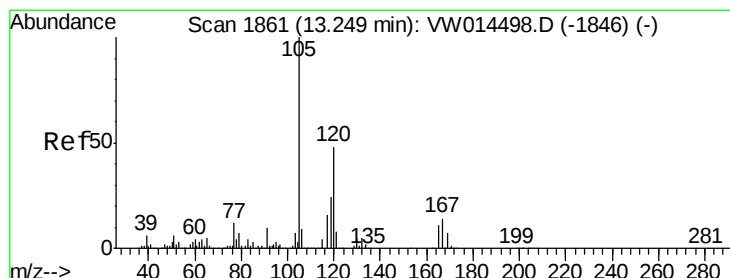
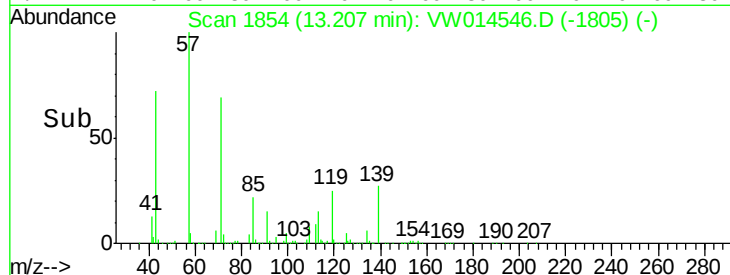
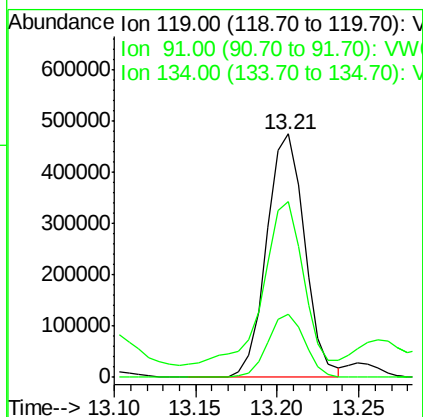
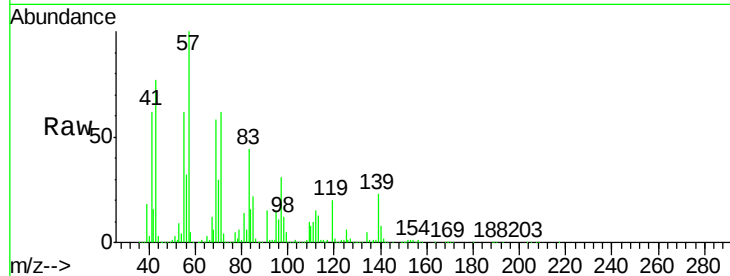




#83
 tert-Butylbenzene
 Concen: 22.742 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW014546.D
 Acq: 07 Jan 2020 14:56

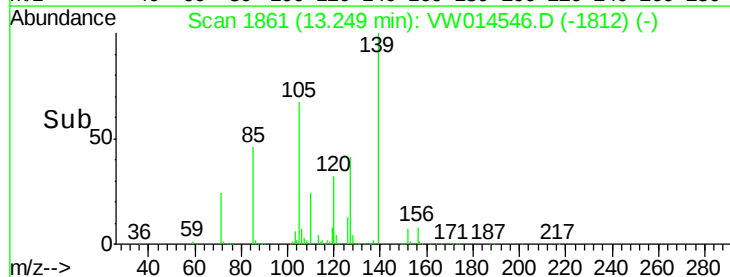
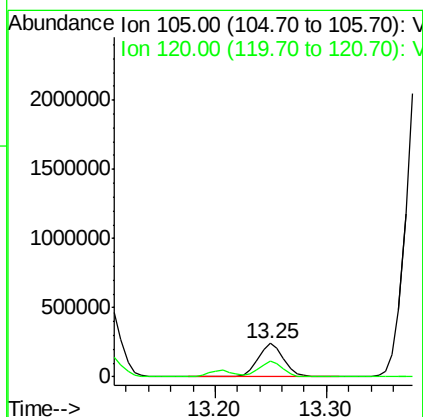
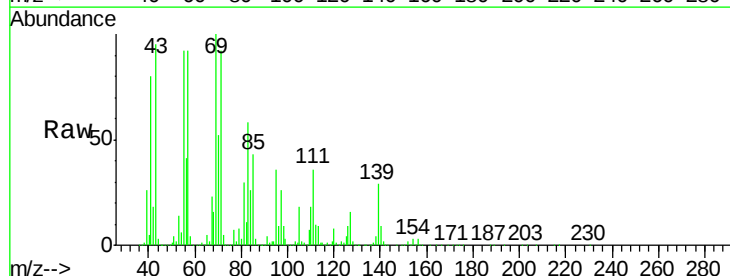
Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

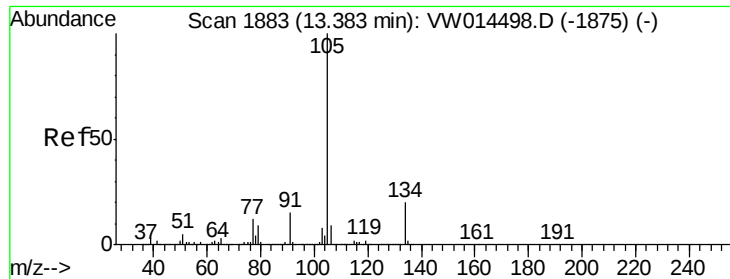
Tgt Ion:119 Resp: 761520
 Ion Ratio Lower Upper
 119 100
 91 71.1 31.1 93.3
 134 25.3 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 10.047 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014546.D
 Acq: 07 Jan 2020 14:56

Tgt Ion:105 Resp: 382400
 Ion Ratio Lower Upper
 105 100
 120 45.1 23.4 70.0

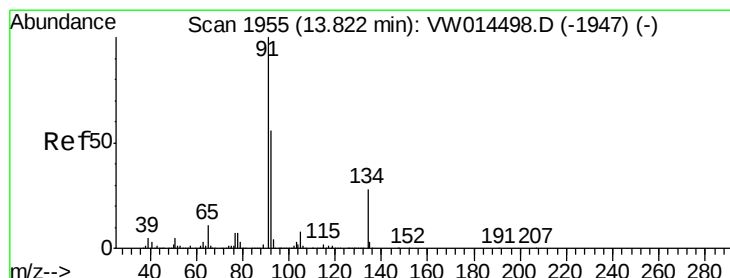
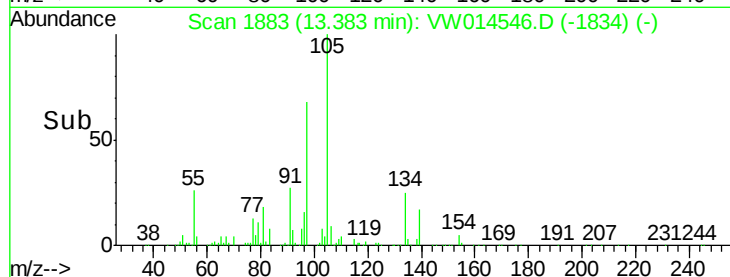
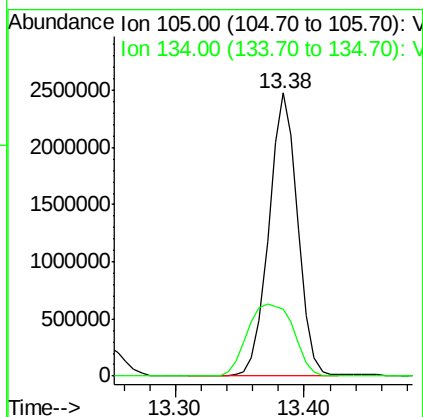
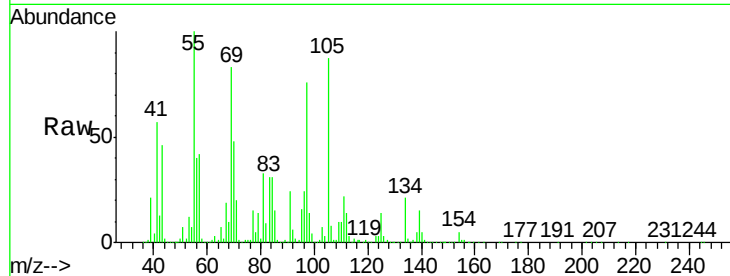




#85
 sec-Butylbenzene
 Concen: 82.778 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014546.D
 Acq: 07 Jan 2020 14:56

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

Tgt Ion: 105 Resp: 3836762
 Ion Ratio Lower Upper
 105 100
 134 41.0 10.2 30.6#



#89
 n-Butylbenzene
 Concen: 112.610 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW014546.D
 Acq: 07 Jan 2020 14:56

Tgt Ion: 91 Resp: 4417974
 Ion Ratio Lower Upper
 91 100
 92 51.1 27.5 82.5
 134 38.0 13.7 41.1

