

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020419\
 Data File : VW008504.D
 Acq On : 04 Feb 2019 16:22
 Operator : SY/VA
 Sample : K1299-04
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0041-FIELD-DUP

Quant Time: Feb 05 03:50:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	523624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	474973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	228322	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	177347	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	
35) Dibromofluoromethane	7.88	113	164100	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
50) Toluene-d8	10.32	98	625445	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.62	95	230779	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	

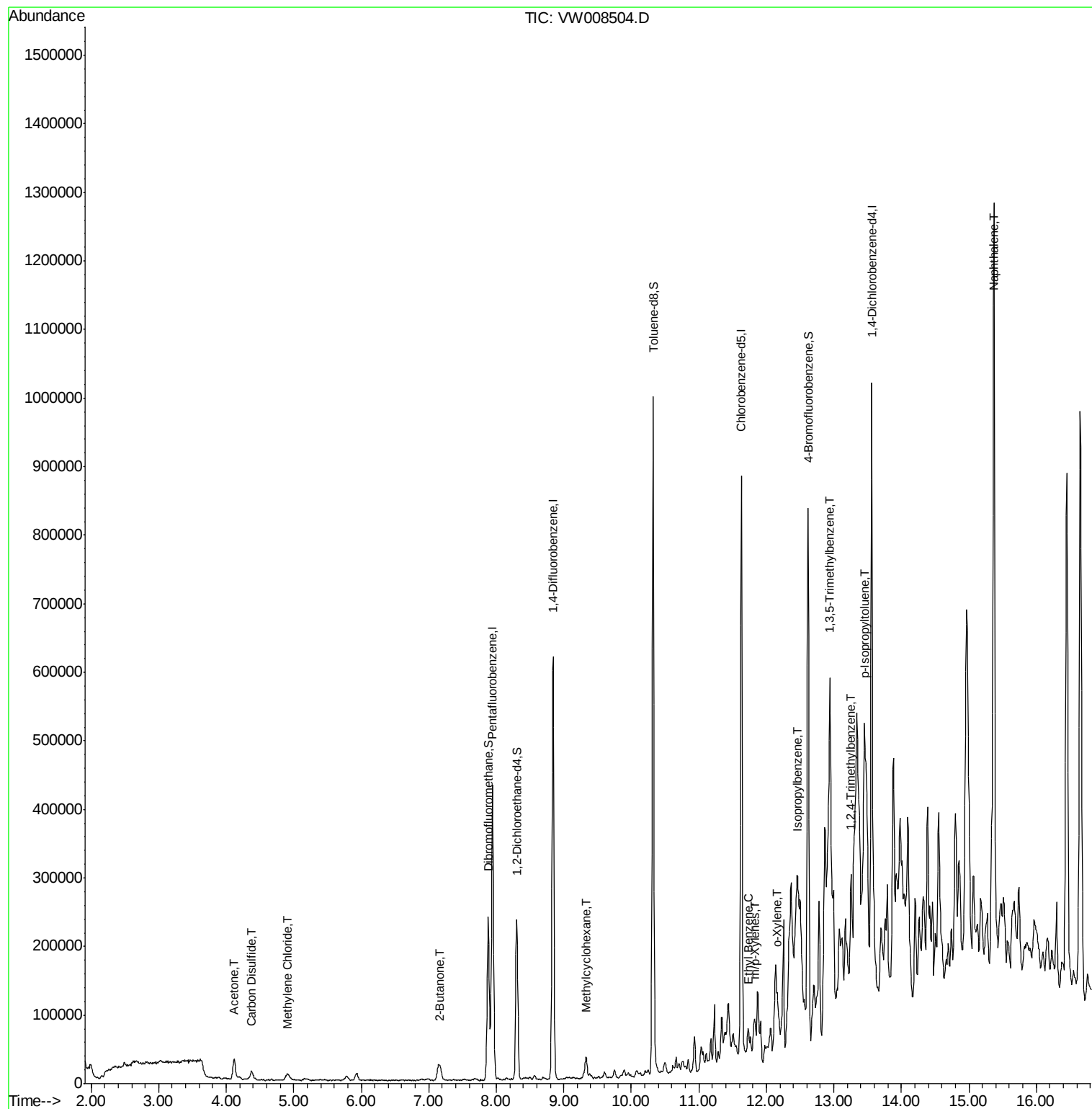
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	50471	70.784	ug/l #	89
17) Carbon Disulfide	4.37	76	24235	2.565	ug/l	99
20) Methylene Chloride	4.90	84	6964	2.119	ug/l #	92
25) 2-Butanone	7.17	43	22822	23.044	ug/l	92
39) Methylcyclohexane	9.33	83	11996	1.846	ug/l	85
67) Ethyl Benzene	11.73	91	27864	1.563	ug/l	99
68) m/p-Xylenes	11.84	106	12208	1.765	ug/l	91
69) o-Xylene	12.17	106	15145	2.305	ug/l	92
73) Isopropylbenzene	12.47	105	34072	2.002	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	64427	4.528	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	92521	6.398	ug/l	99
86) p-Isopropyltoluene	13.44	119	32677	2.063	ug/l	87
95) Naphthalene	15.37	128	912345	109.610	ug/l	99

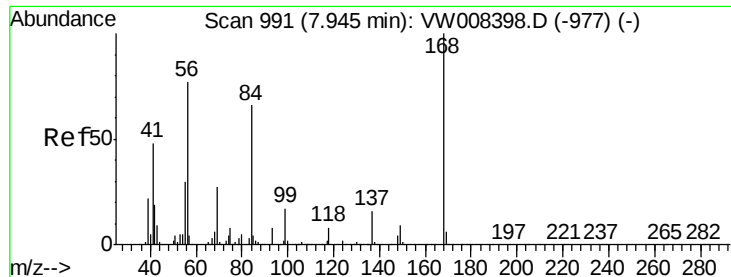
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW008504.D

Acq: 04 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

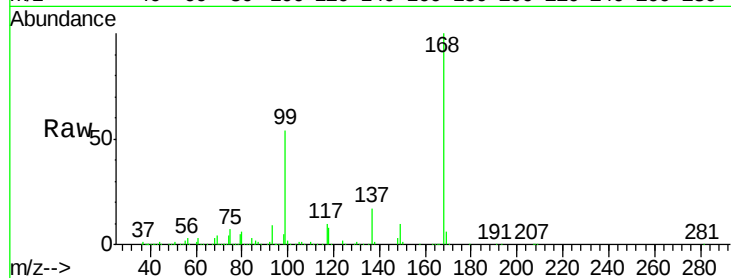
0041-FIELD-DUP

Tot Ion:168 Resp: 323203

Ion Ratio Lower Upper

168 100

99 53.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

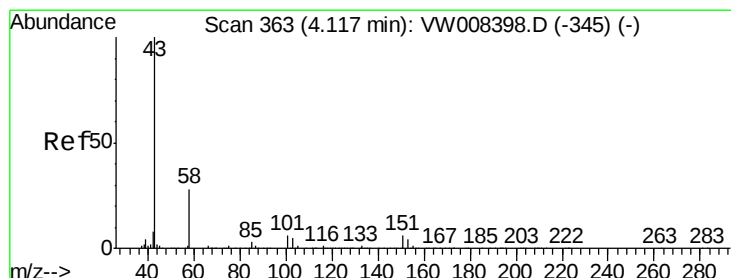
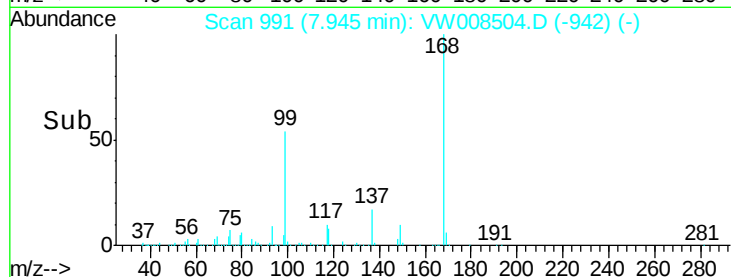
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 70.784 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008504.D

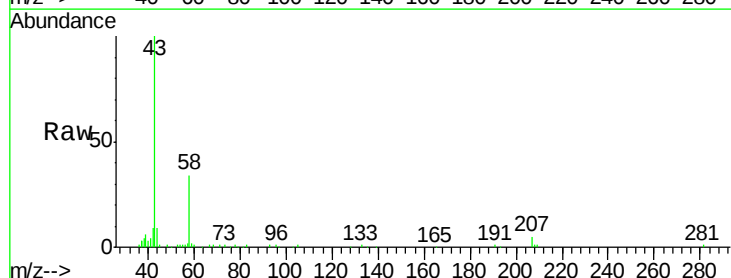
Acq: 04 Feb 2019 16:22

Tgt Ion: 43 Resp: 50471

Ion Ratio Lower Upper

43 100

58 34.1 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

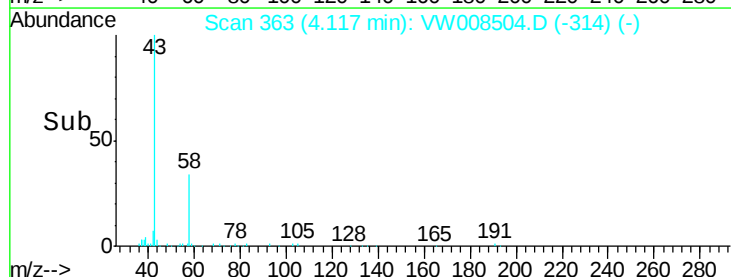
15000

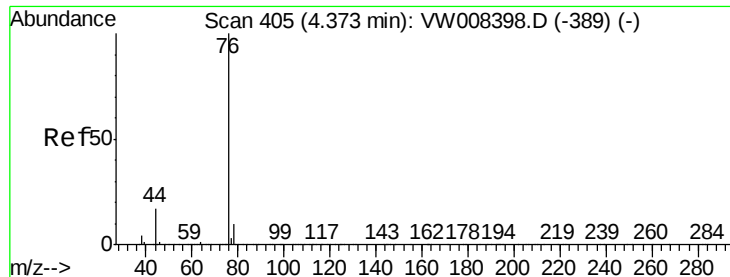
10000

5000

0

Time--> 4.00 4.10 4.20





#17

Carbon Disulfide

Concen: 2.565 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008504.D

Acq: 04 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

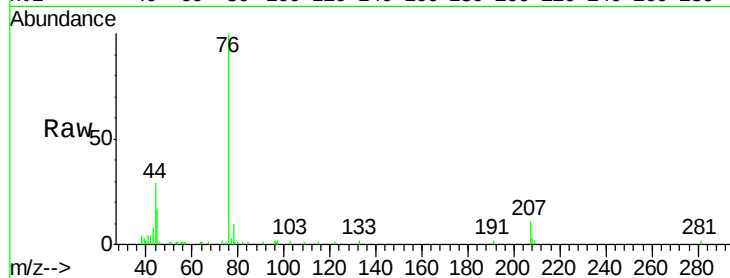
0041-FIELD-DUP

Tot Ion: 76 Resp: 24235

Ion Ratio Lower Upper

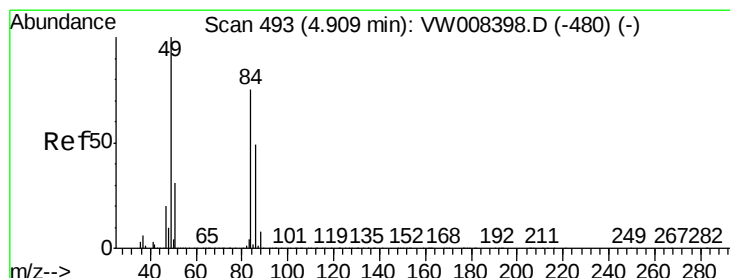
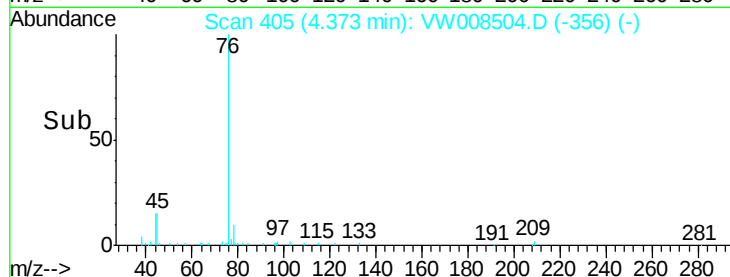
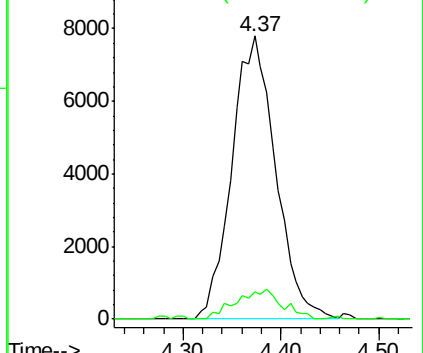
76 100

78 9.9 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 2.119 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008504.D

Acq: 04 Feb 2019 16:22

Tgt Ion: 84 Resp: 6964

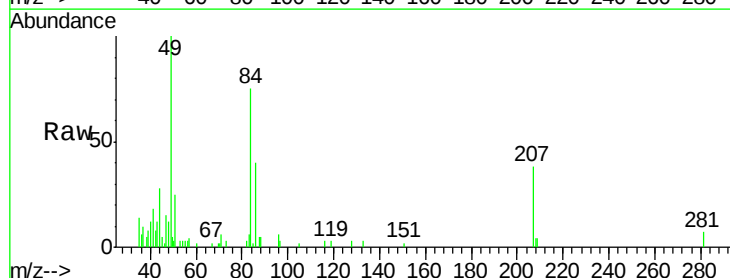
Ion Ratio Lower Upper

84 100

49 134.2 106.8 160.2

51 27.8 32.9 49.3#

86 53.8 52.2 78.2

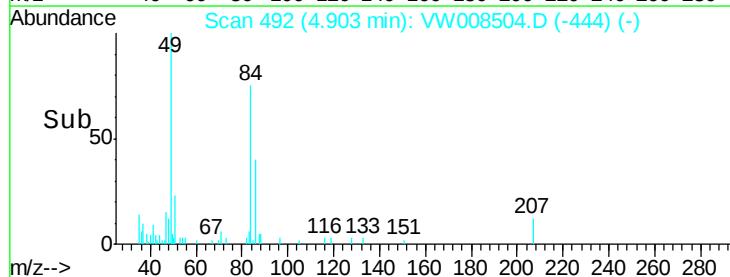
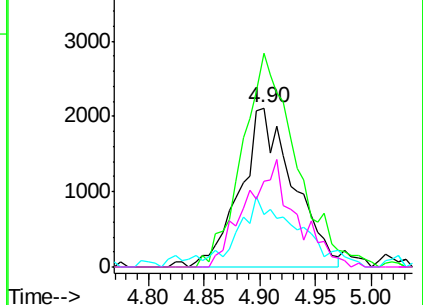


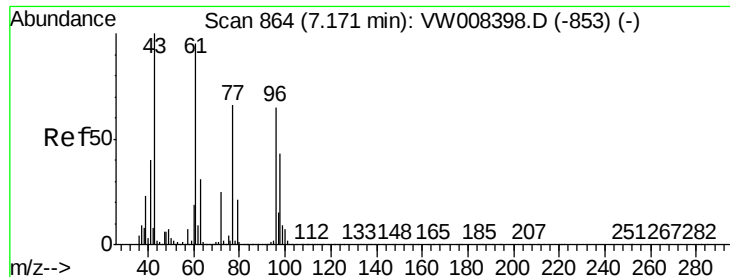
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 23.044 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008504.D

Acq: 04 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

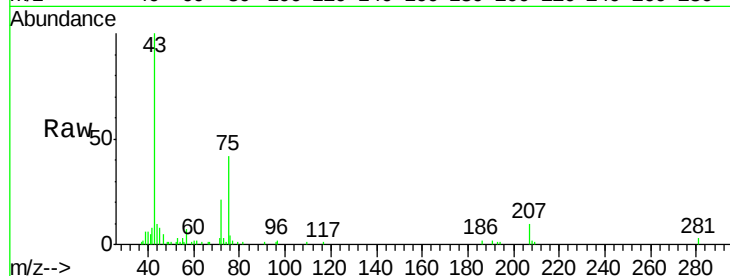
0041-FIELD-DUP

Tot Ion: 43 Resp: 22822

Ion Ratio Lower Upper

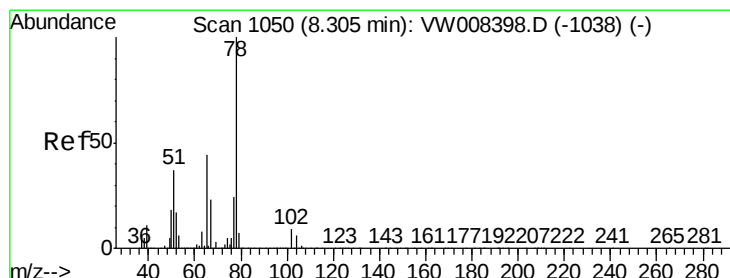
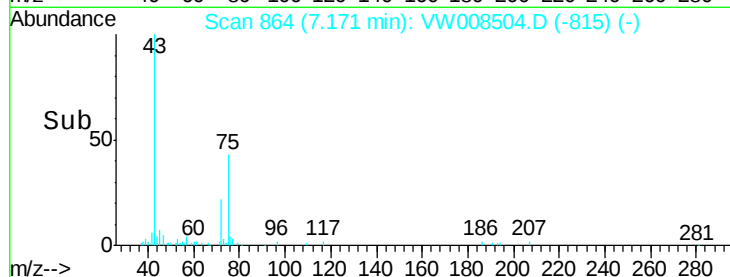
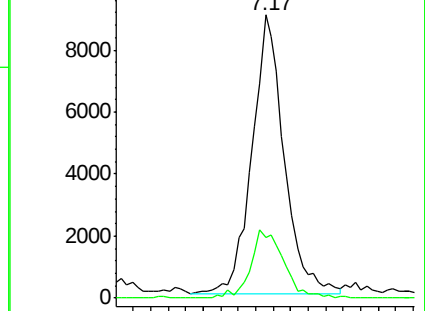
43 100

72 21.0 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.854 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008504.D

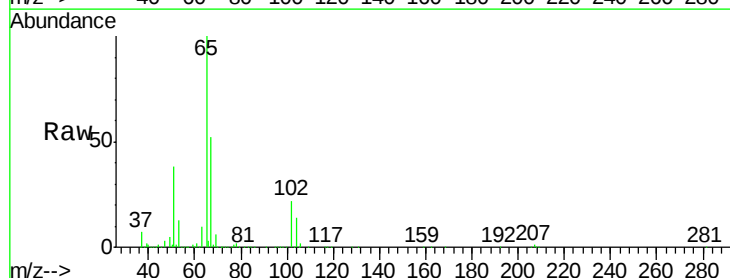
Acq: 04 Feb 2019 16:22

Tgt Ion: 65 Resp: 177347

Ion Ratio Lower Upper

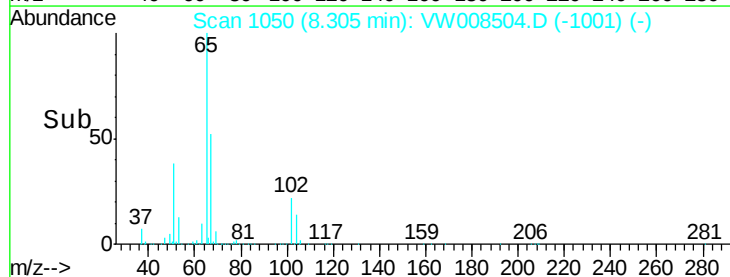
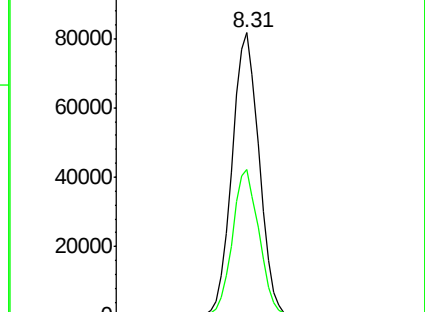
65 100

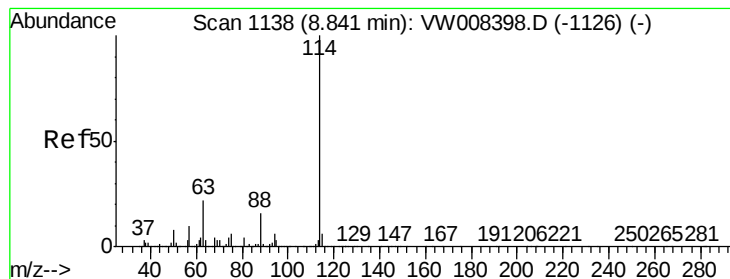
67 50.9 0.0 104.0



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: VW008504.D

Acq: 04 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

0041-FIELD-DUP

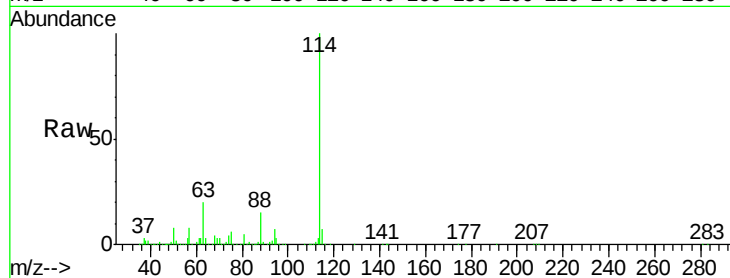
Tot Ion:114 Resp: 523624

Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.6

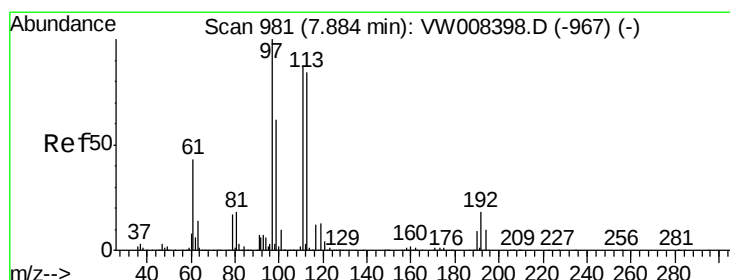
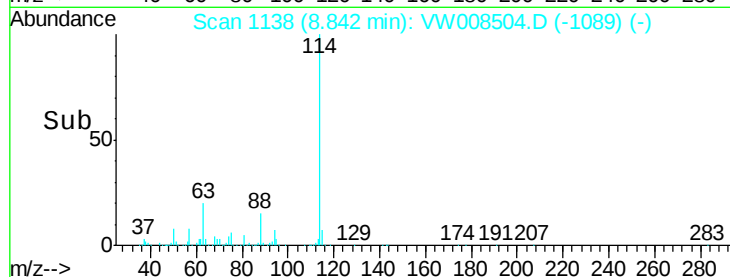
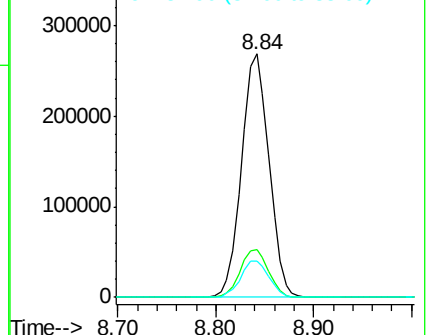
88 14.7 0.0 31.8



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: 53.596 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008504.D

Acq: 04 Feb 2019 16:22

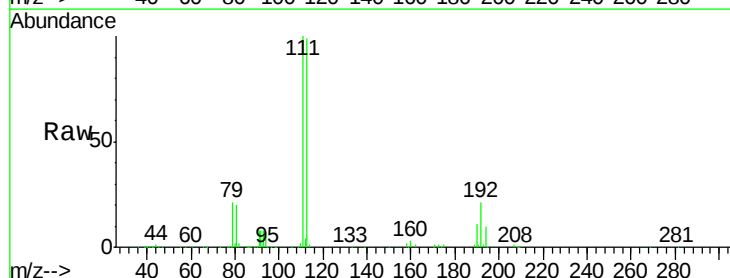
Tgt Ion:113 Resp: 164100

Ion Ratio Lower Upper

113 100

111 103.0 81.0 121.4

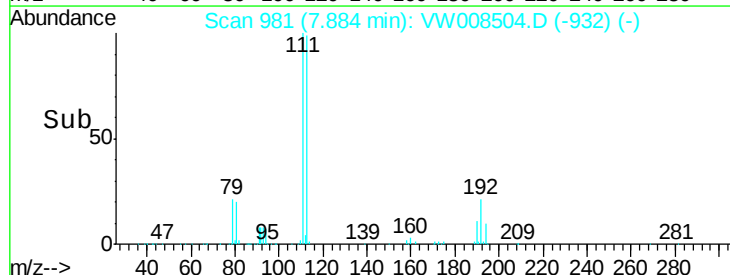
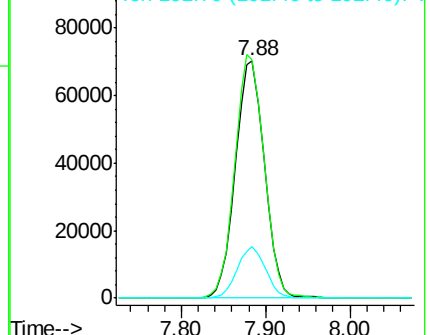
192 21.0 16.8 25.2

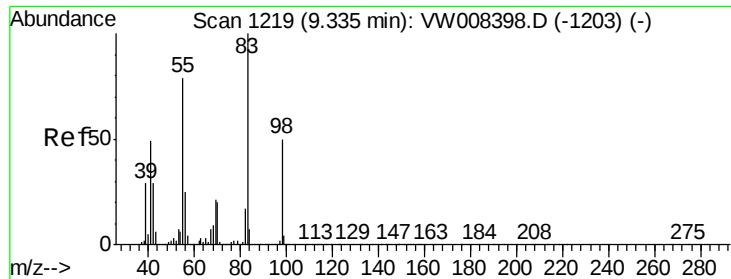


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

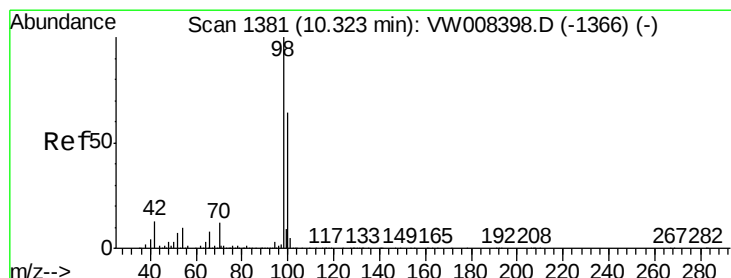
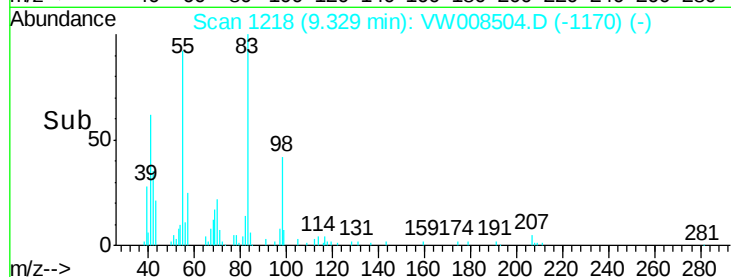
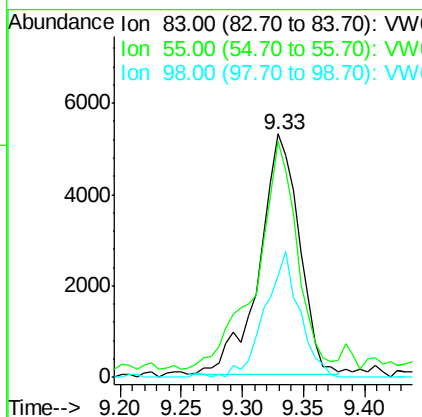
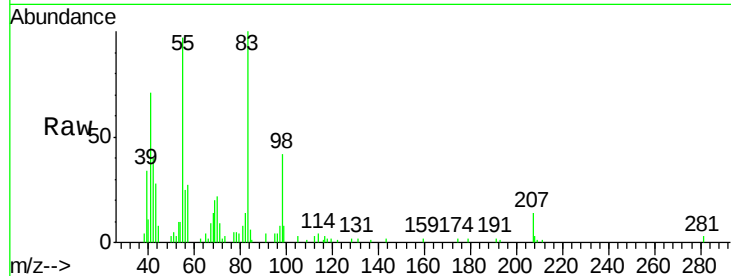




#39
Methvlcvclohexane
Concen: 1.846 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

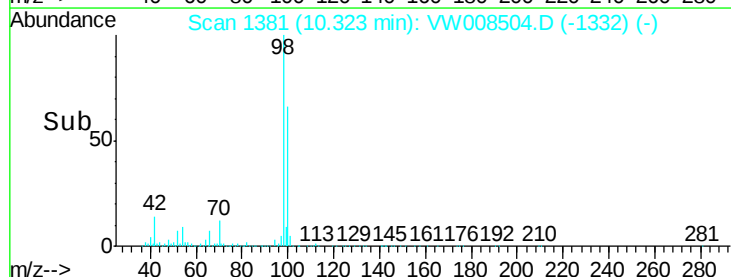
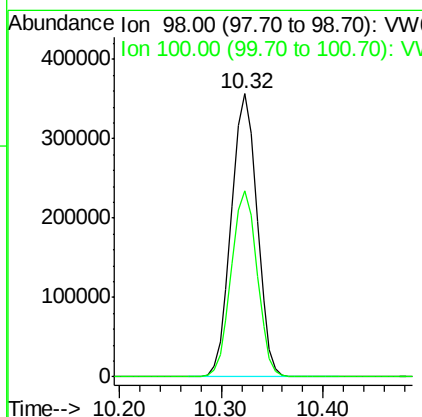
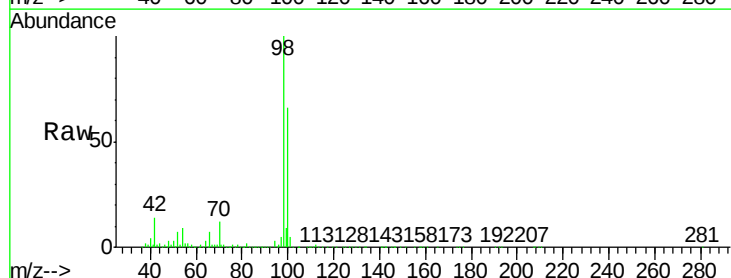
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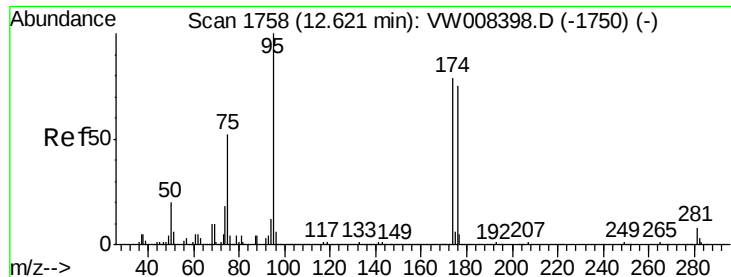
Tot Ion: 83 Resp: 11996
Ion Ratio Lower Upper
83 100
55 94.4 63.3 94.9
98 42.4 39.7 59.5



#50
Toluene-d8
Concen: 50.940 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

Tgt Ion: 98 Resp: 625445
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

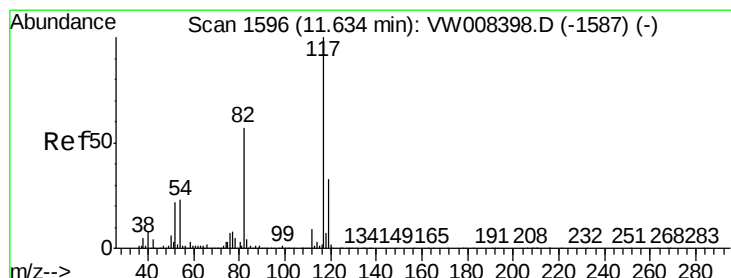
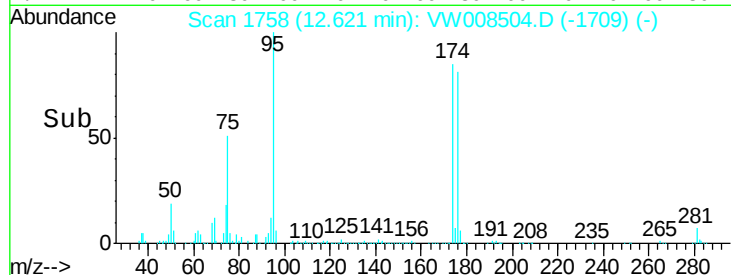
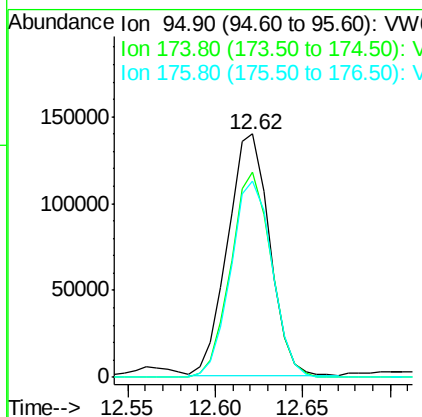
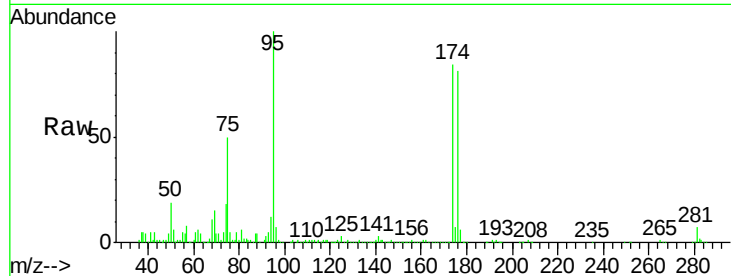




#62
4-Bromofluorobenzene
Concen: 48.900 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

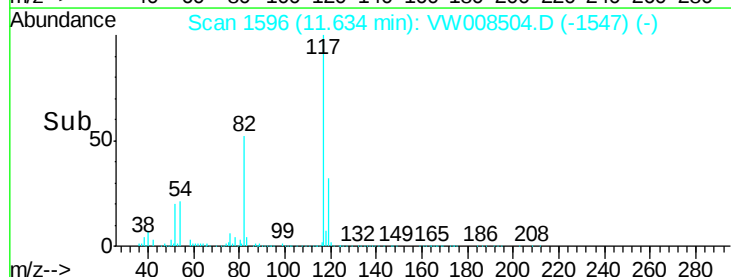
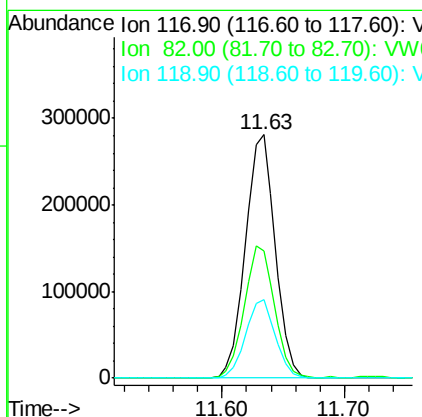
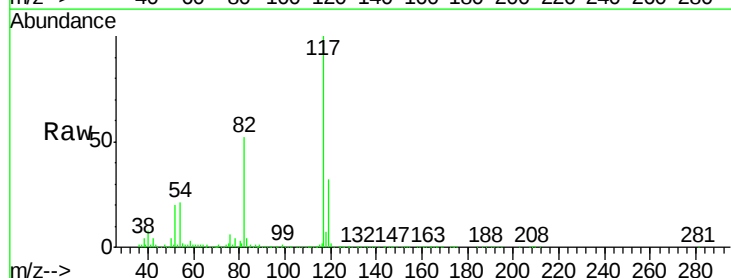
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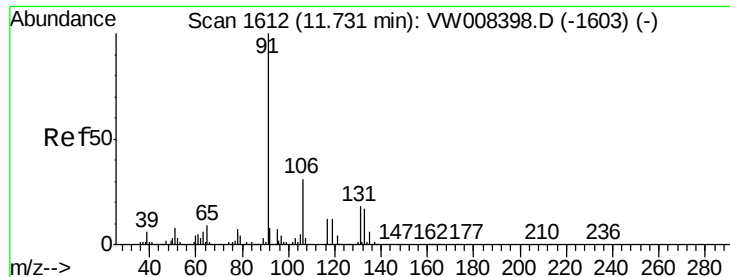
Tot Ion: 95 Resp: 230779
Ion Ratio Lower Upper
95 100
174 82.5 0.0 157.6
176 80.8 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

Tgt Ion: 117 Resp: 474973
Ion Ratio Lower Upper
117 100
82 51.8 45.4 68.0
119 32.2 26.2 39.4

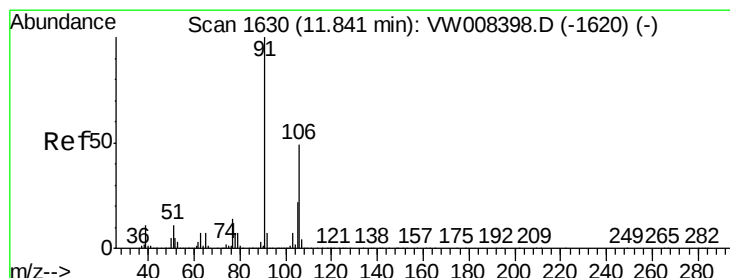
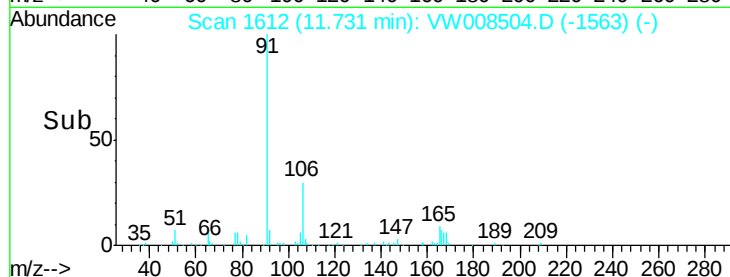
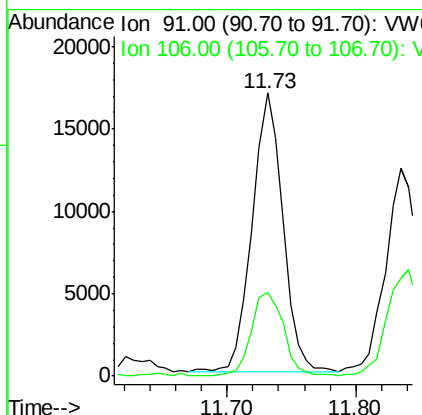
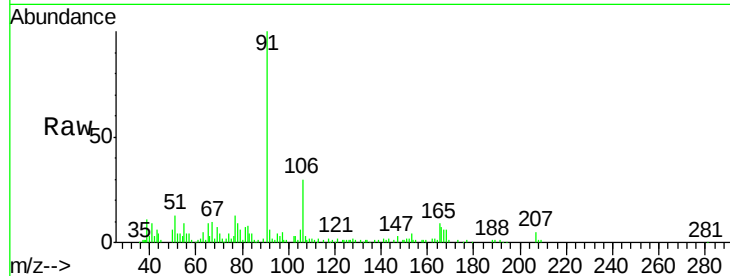




#67
Ethyl Benzene
Concen: 1.563 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

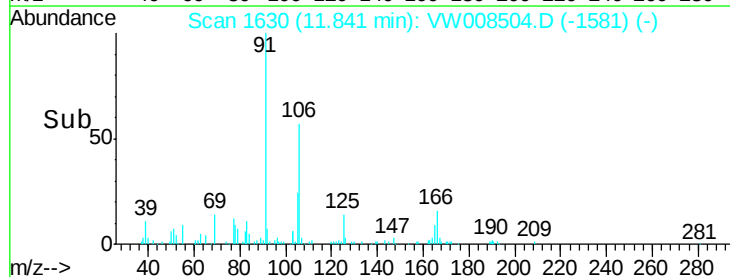
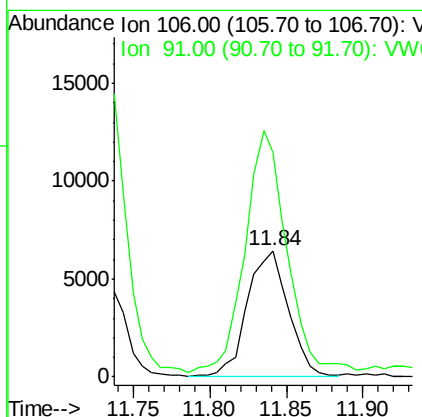
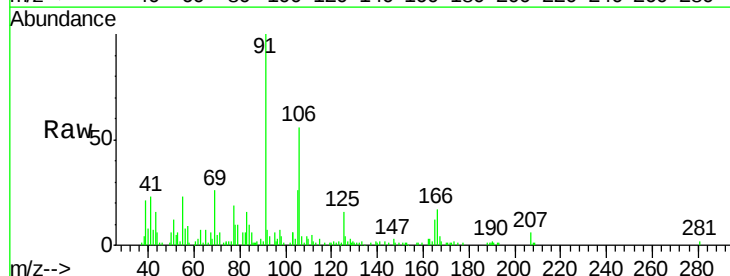
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MSVOA_W
ClientSampleId :
0041-FIELD-DUP

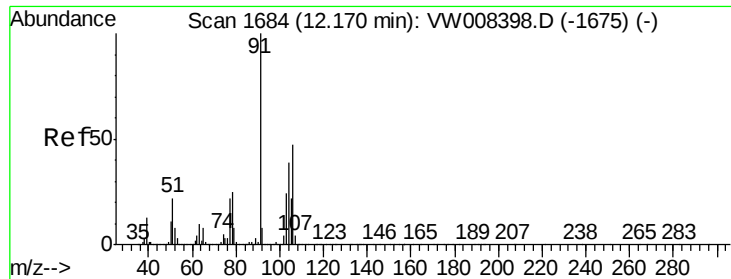
Tot Ion: 91 Resp: 27864
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 1.765 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

Tgt Ion: 106 Resp: 12208
Ion Ratio Lower Upper
106 100
91 190.4 162.9 244.3

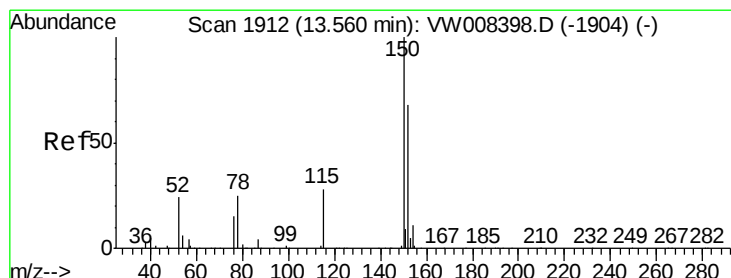
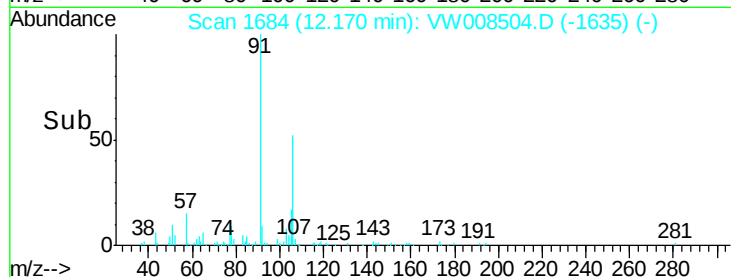
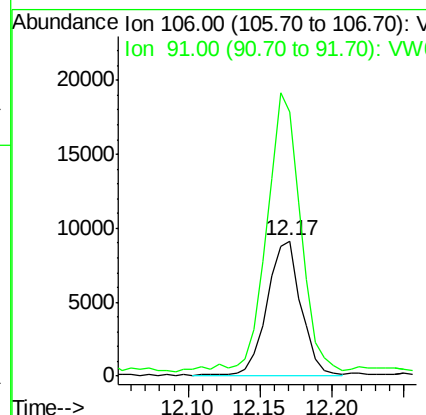
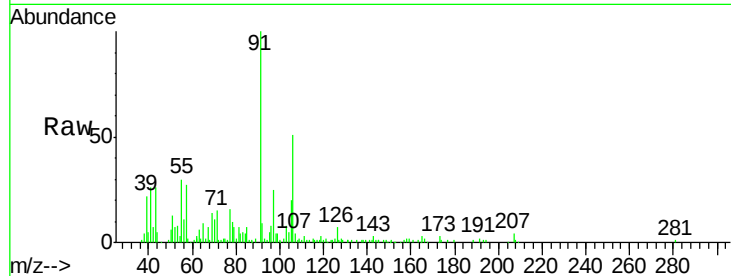




#69
o-Xylene
Concen: 2.305 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

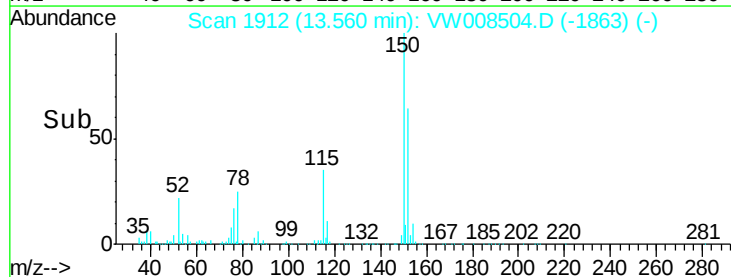
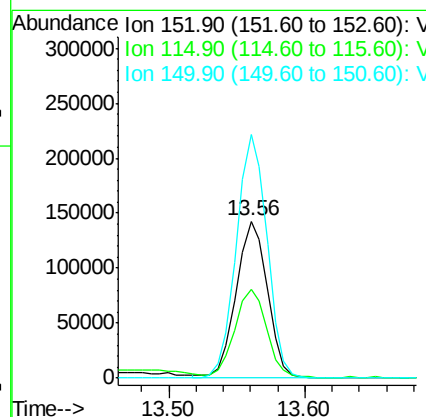
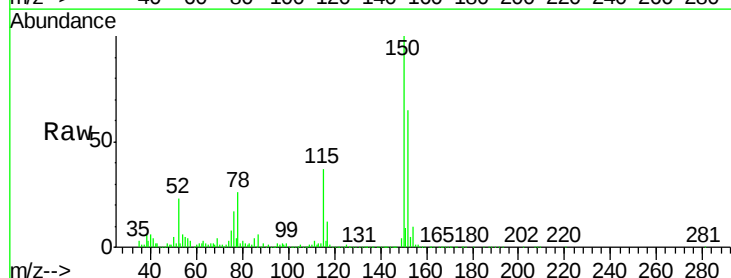
Instrument :
MSVOA_W
ClientSampled :
0041-FIELD-DUP

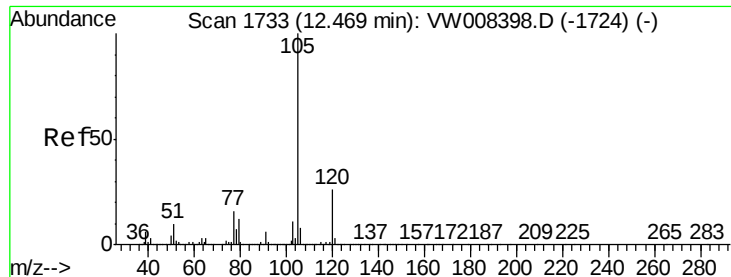
Tot Ion:106 Resp: 15145
Ion Ratio Lower Upper
106 100
91 201.7 107.5 322.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

Tgt Ion:152 Resp: 228322
Ion Ratio Lower Upper
152 100
115 57.7 29.9 89.7
150 151.8 0.0 351.4





#73

Isopropylbenzene

Concen: 2.002 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008504.D

Acq: 04 Feb 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

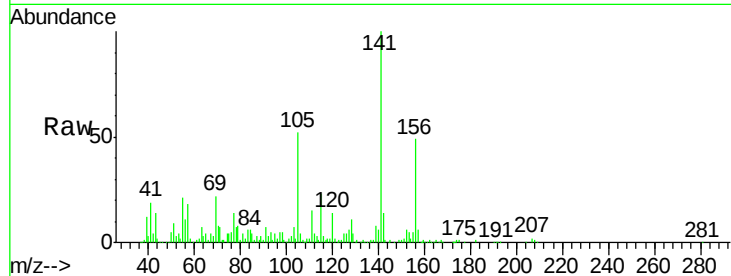
0041-FIELD-DUP

Tot Ion:105 Resp: 34072

Ion Ratio Lower Upper

105 100

120 27.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

10000

5000

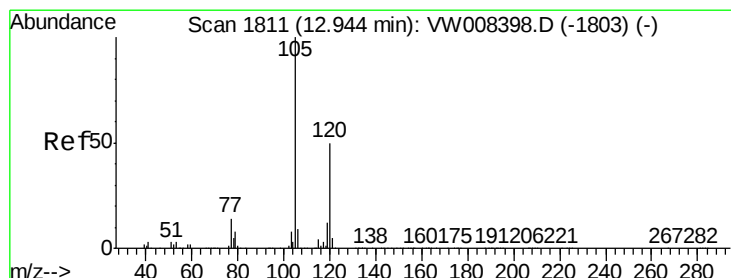
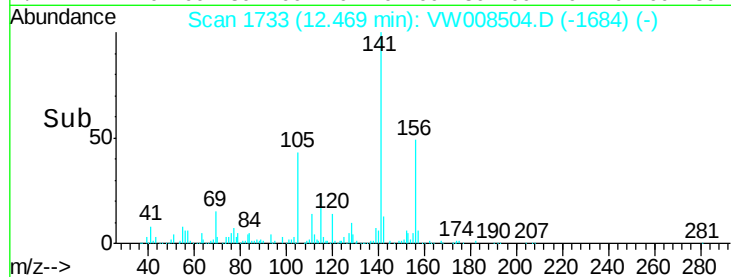
0

12.47

12.40

12.50

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.528 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008504.D

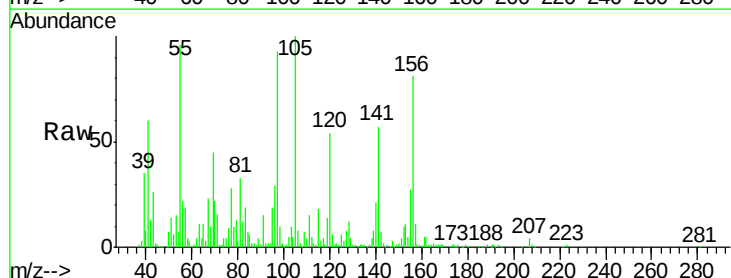
Acq: 04 Feb 2019 16:22

Tgt Ion:105 Resp: 64427

Ion Ratio Lower Upper

105 100

120 50.0 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

40000

30000

20000

10000

0

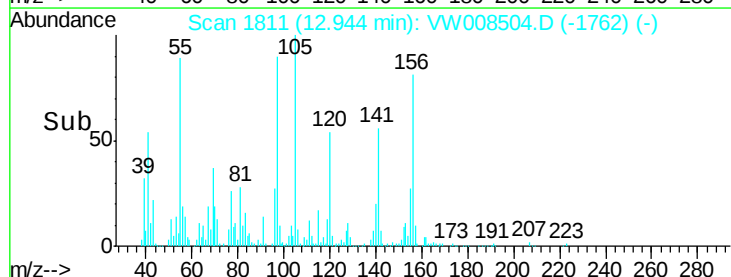
12.94

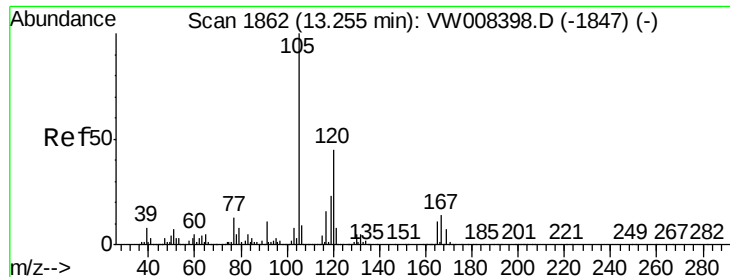
12.90

12.95

13.00

Time-->

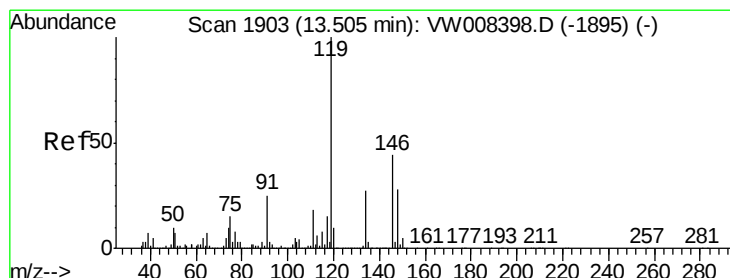
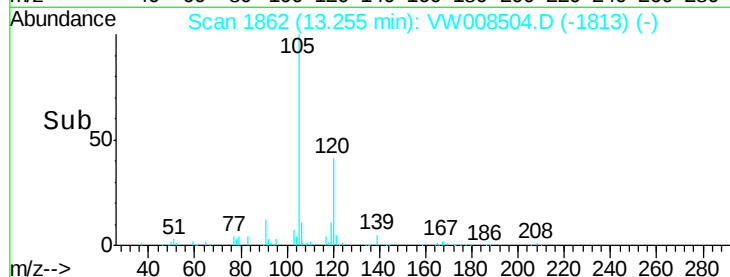
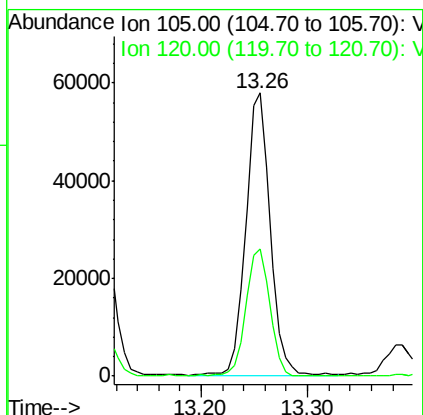
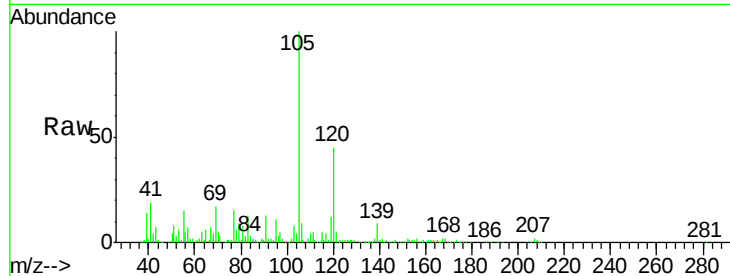




#84
 1,2,4-Trimethylbenzene
 Concen: 6.398 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008504.D
 Acq: 04 Feb 2019 16:22

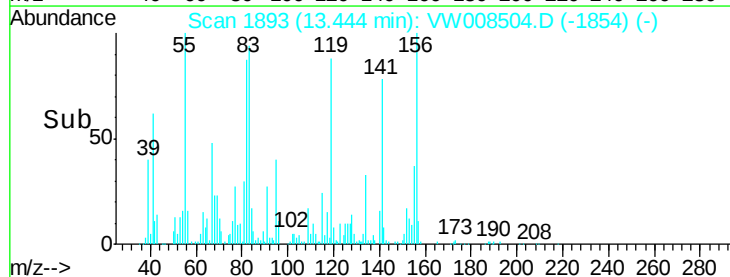
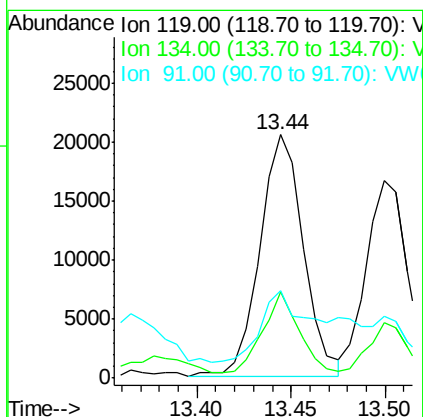
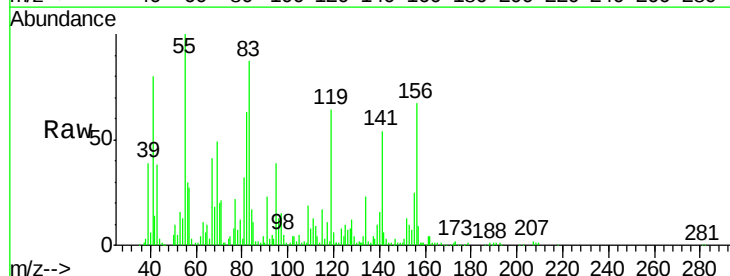
Instrument :
 MSVOA_W
 ClientSampleId :
 0041-FIELD-DUP

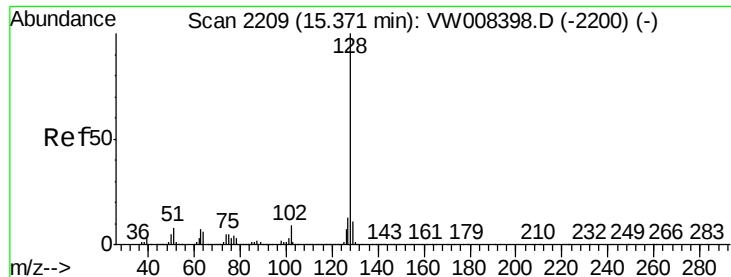
Tot Ion:105 Resp: 92521
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.1 69.2



#86
 p-Isopropyltoluene
 Concen: 2.063 ug/l
 RT: 13.44 min Scan# 1893
 Delta R.T. -0.06 min
 Lab File: VW008504.D
 Acq: 04 Feb 2019 16:22

Tgt Ion:119 Resp: 32677
 Ion Ratio Lower Upper
 119 100
 134 31.7 13.4 40.2
 91 33.4 12.6 37.6

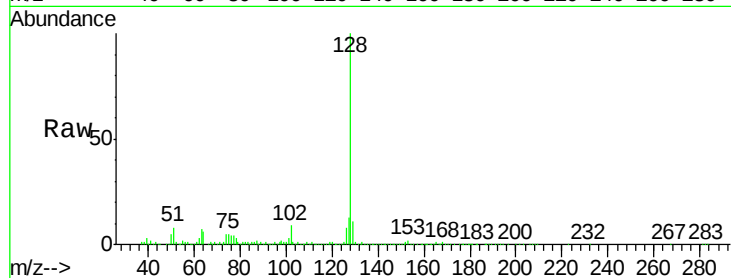




#95
Naphthalene
Concen: 109.610 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008504.D
Acq: 04 Feb 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
0041-FIELD-DUP

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.7	8.7	13.1



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

