

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082120\
 Data File : VW016287.D
 Acq On : 21 Aug 2020 02:52
 Operator : SY/VA
 Sample : L3502-11
 Misc : 8.15G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-02-081920

Quant Time: Aug 21 03:52:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081420S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 08:01:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	212387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	350726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	97730	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	72792	35.14	ug/l	0.00
Spiked Amount			Recovery	=	70.28%	
35) Dibromofluoromethane	7.88	113	92609	42.80	ug/l	0.00
Spiked Amount			Recovery	=	85.60%	
50) Toluene-d8	10.32	98	406629	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.62	95	113884	38.03	ug/l	0.00
Spiked Amount			Recovery	=	76.06%	

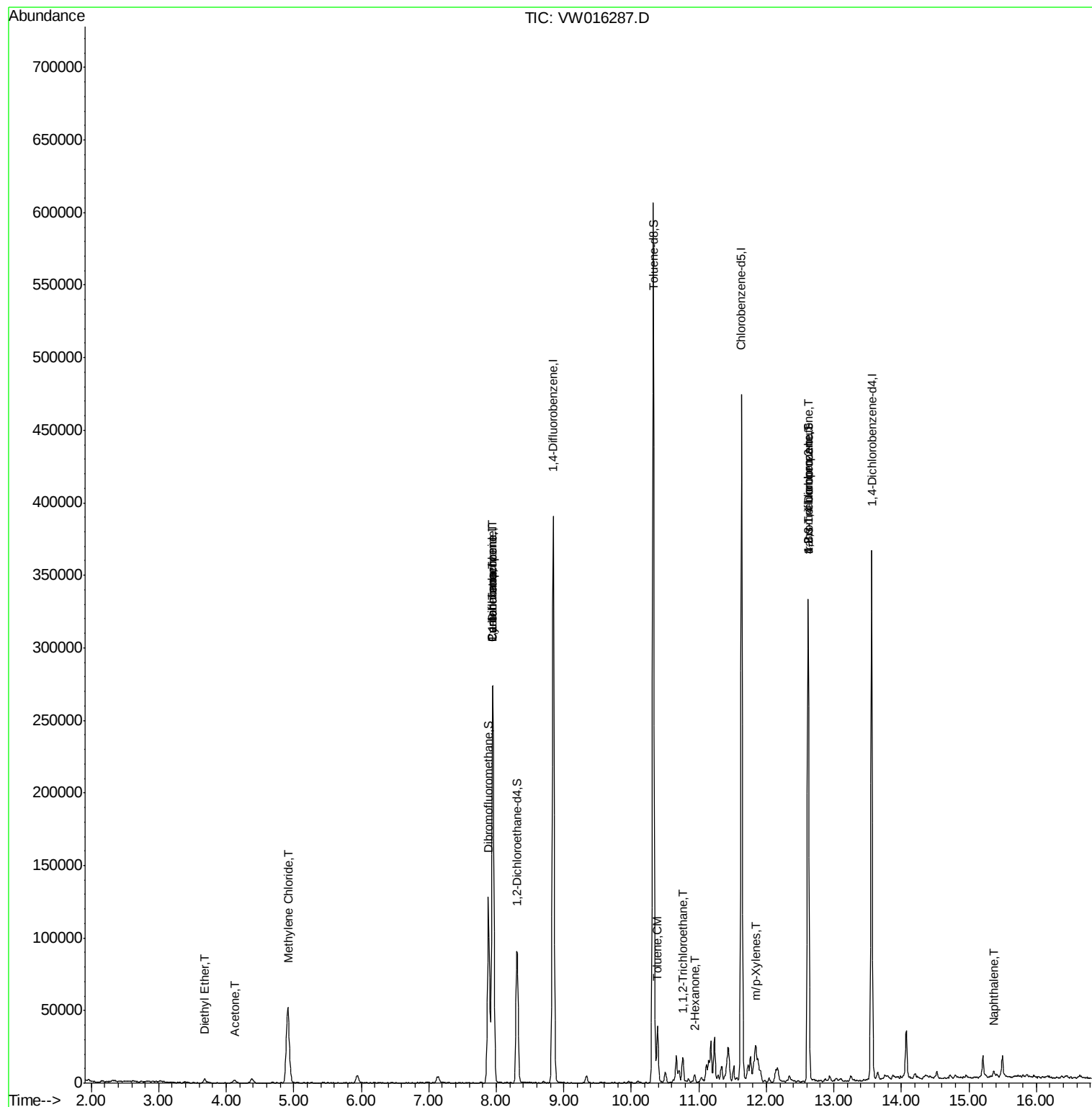
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1634	1.494	ug/l	96
16) Acetone	4.12	43	3680	9.275	ug/l #	78
20) Methylene Chloride	4.92	84	43844	14.256	ug/l	96
31) Cyclohexane	7.95	56	4575	1.210	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	15690	4.541	ug/l #	51
38) Carbon Tetrachloride	7.95	117	20613	5.978	ug/l #	15
52) Toluene	10.39	92	17735	2.849	ug/l	98
55) 1,1,2-Trichloroethane	10.76	97	7200	4.171	ug/l #	19
59) 2-Hexanone	10.94	43	1981	2.569	ug/l #	22
68) m/p-Xylenes	11.83	106	5224	1.326	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	54025	60.108	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	54025	144.178	ug/l #	12
95) Naphthalene	15.37	128	4737	4.800	ug/l #	94

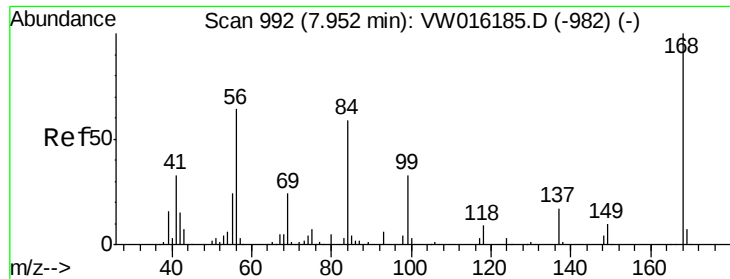
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

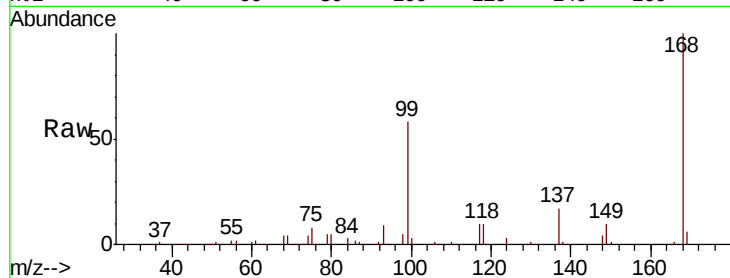
OK-02-081920

Tot Ion:168 Resp: 212387

Ion Ratio Lower Upper

168 100

99 58.5 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

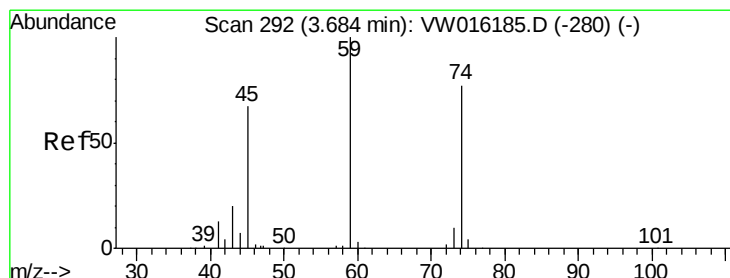
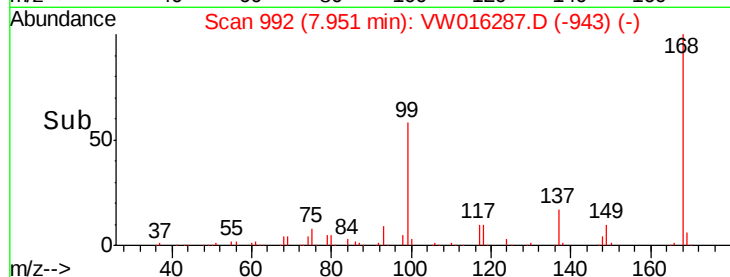
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.494 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.00 min

Lab File: VW016287.D

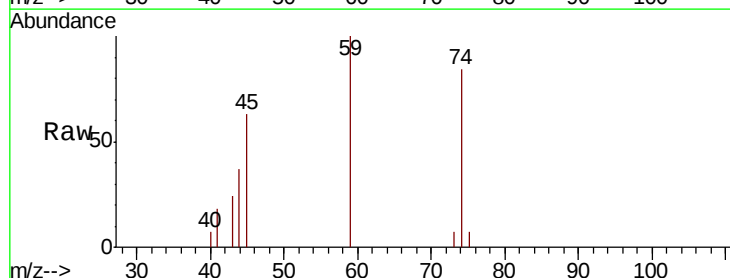
Acq: 21 Aug 2020 02:52

Tgt Ion: 74 Resp: 1634

Ion Ratio Lower Upper

74 100

45 87.7 45.9 137.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

800

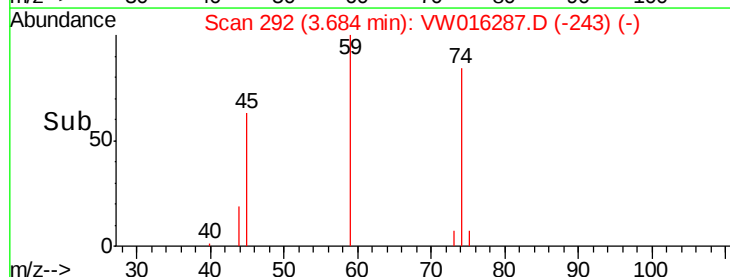
600

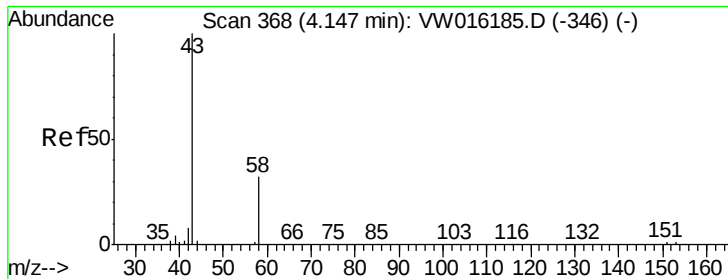
400

200

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 9.275 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

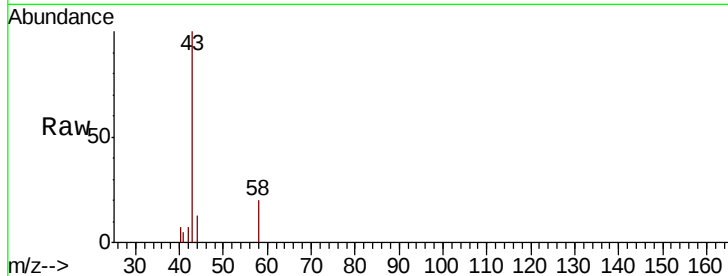
OK-02-081920

Tot Ion: 43 Resp: 3680

Ion Ratio Lower Upper

43 100

58 19.6 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

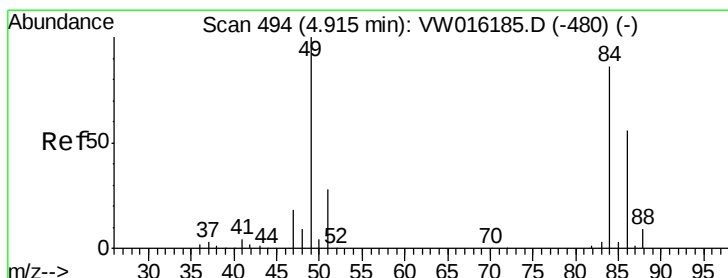
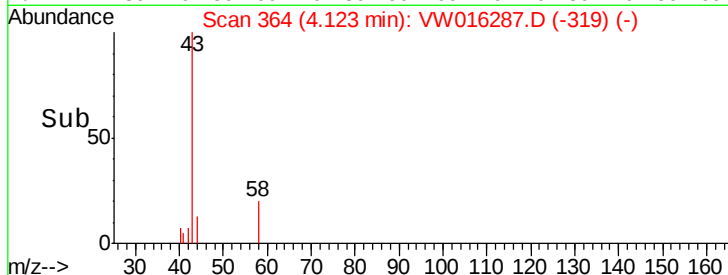
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 14.256 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Tgt Ion: 84 Resp: 43844

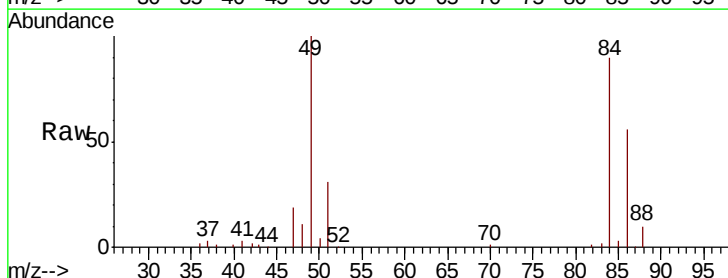
Ion Ratio Lower Upper

84 100

49 111.7 93.4 140.2

51 34.6 26.6 40.0

86 62.8 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

20000

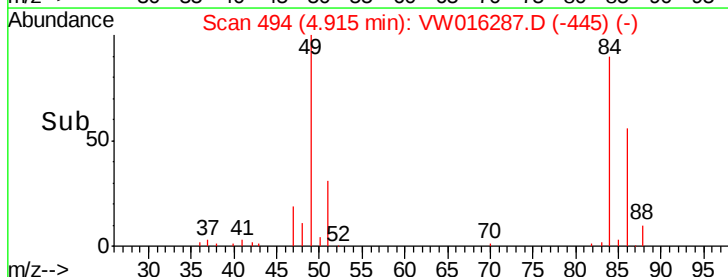
15000

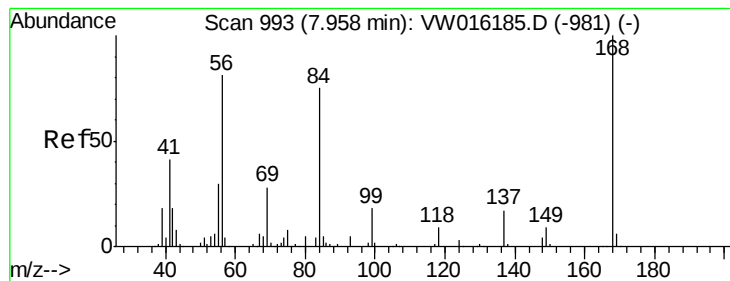
10000

5000

0

Time-->





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleID :

OK-02-081920

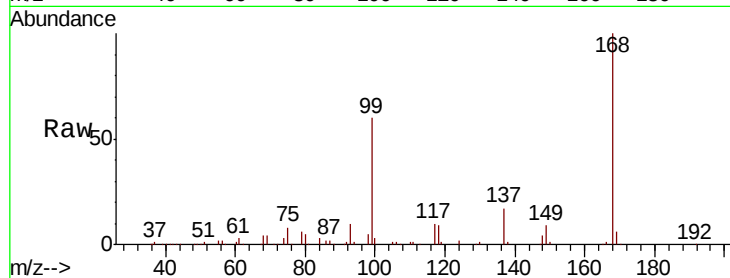
Tot Ion: 56 Resp: 4575

Ion Ratio Lower Upper

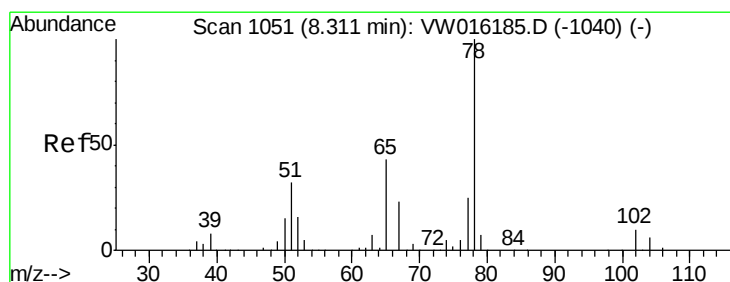
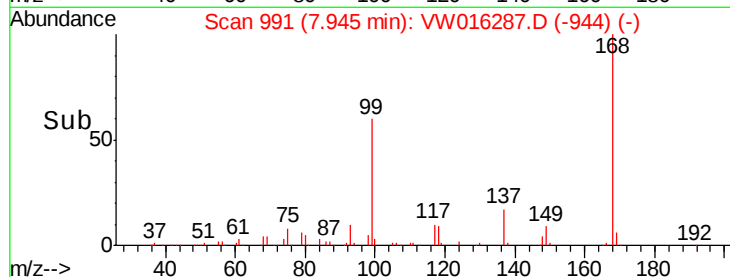
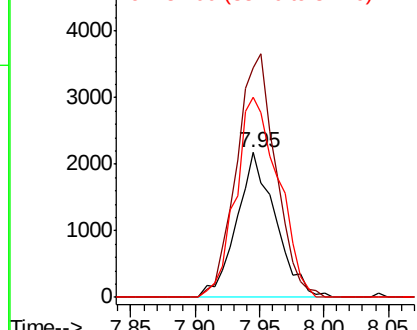
56 100

69 159.0 27.3 40.9#

84 138.2 73.5 110.3#



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: 35.145 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW016287.D

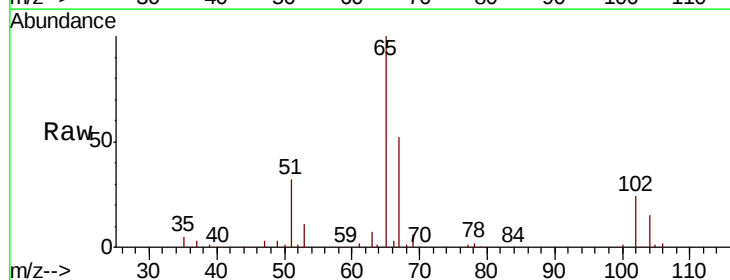
Acq: 21 Aug 2020 02:52

Tgt Ion: 65 Resp: 72792

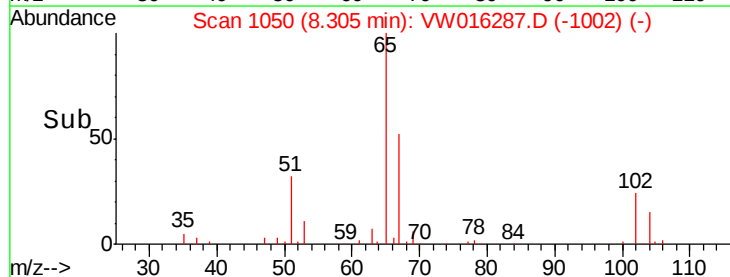
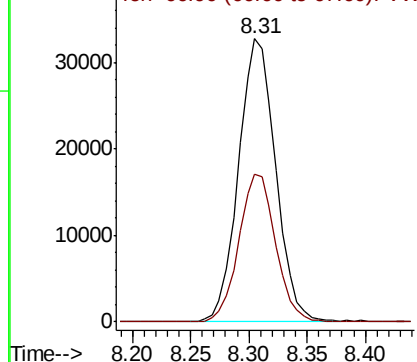
Ion Ratio Lower Upper

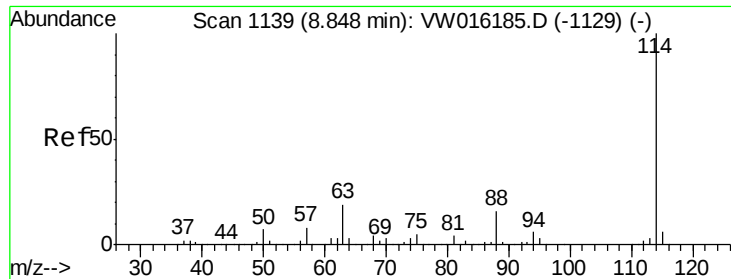
65 100

67 51.6 0.0 105.6



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

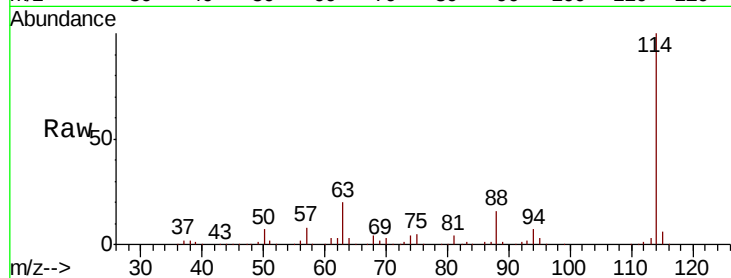




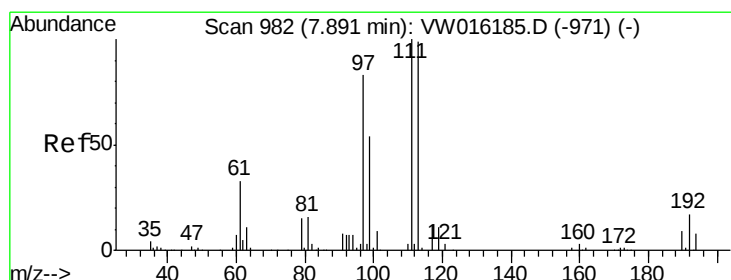
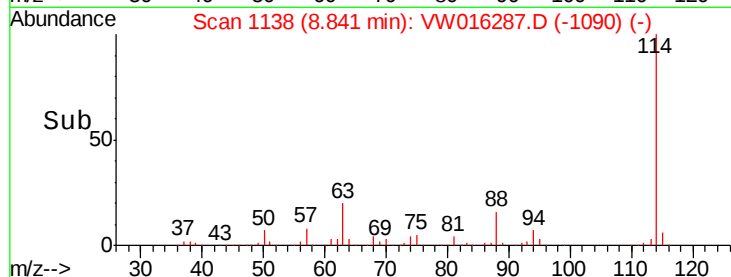
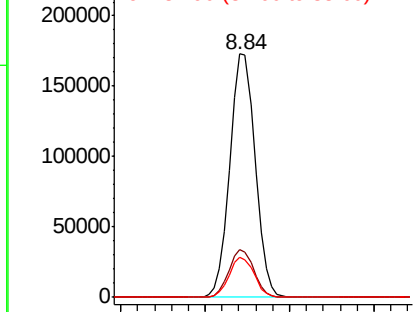
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

Instrument :
MSVOA_W
ClientSampleId :
OK-02-081920

Tot Ion:114 Resp: 350726
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.4
88 16.3 0.0 32.8

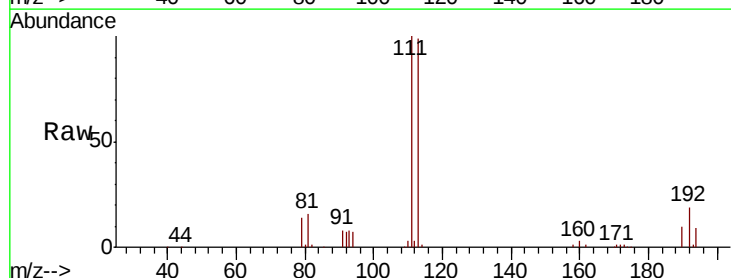


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

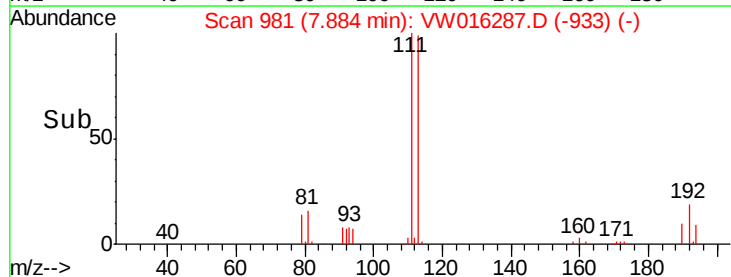
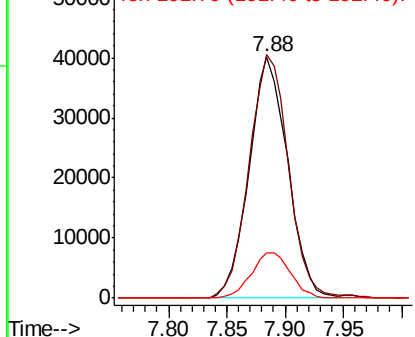


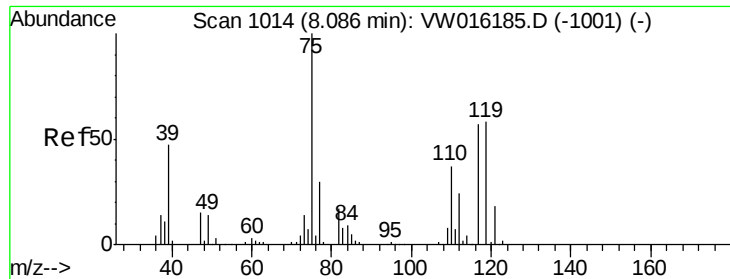
#35
Dibromofluoromethane
Concen: 42.795 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

Tgt Ion:113 Resp: 92609
Ion Ratio Lower Upper
113 100
111 103.3 83.5 125.3
192 19.1 14.3 21.5



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

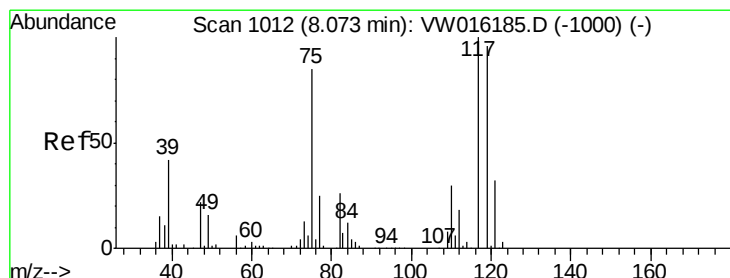
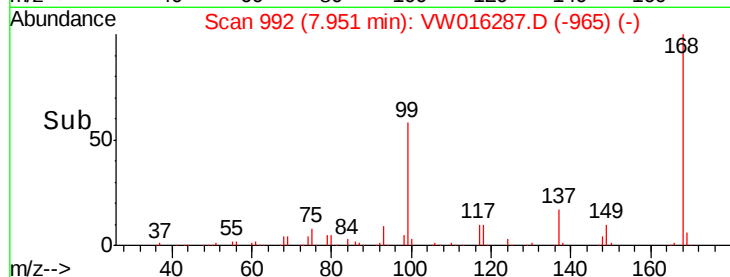
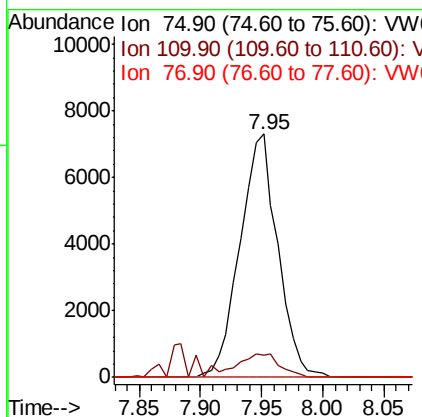
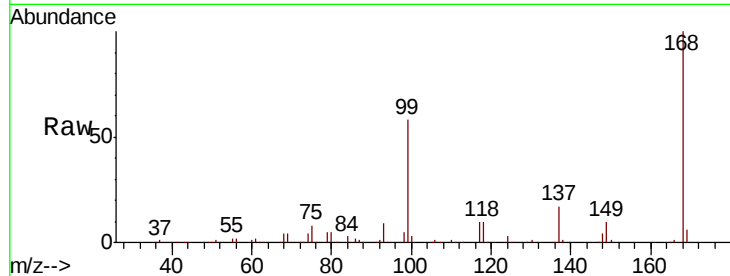




#36
 1,1-Dichloropropene
 Concen: 4.541 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

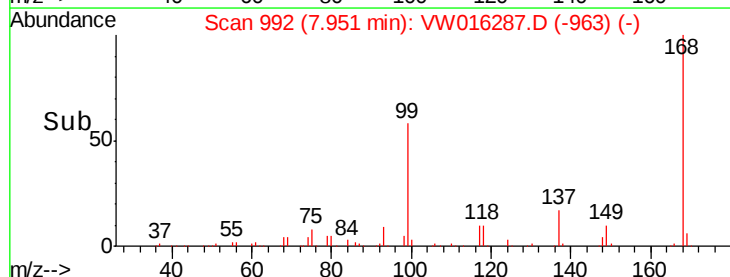
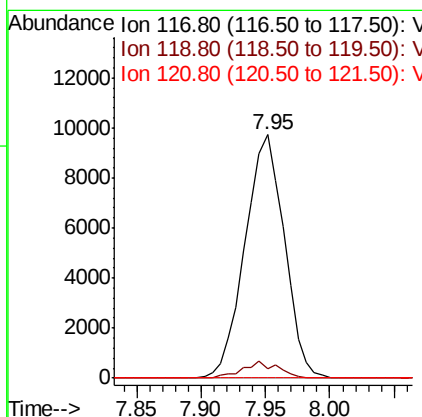
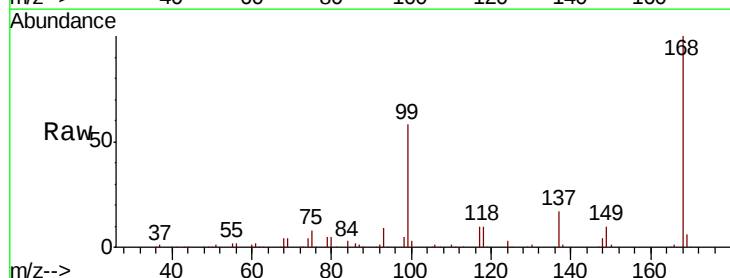
Instrument :
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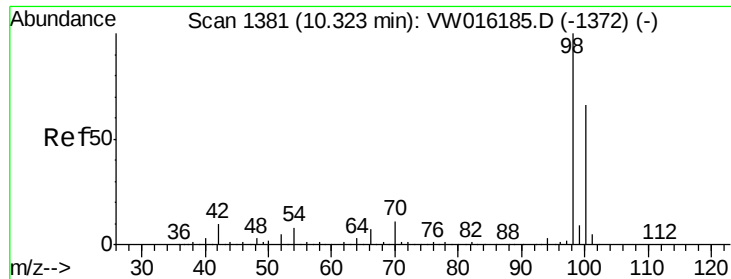
Tot Ion	75	Resp	15690
Ion Ratio	Lower	Upper	
75	100		
110	10.4	18.1	54.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 5.978 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

Tgt Ion	117	Resp	20613
Ion Ratio	Lower	Upper	
117	100		
119	4.0	76.6	115.0#
121	0.0	25.4	38.0#

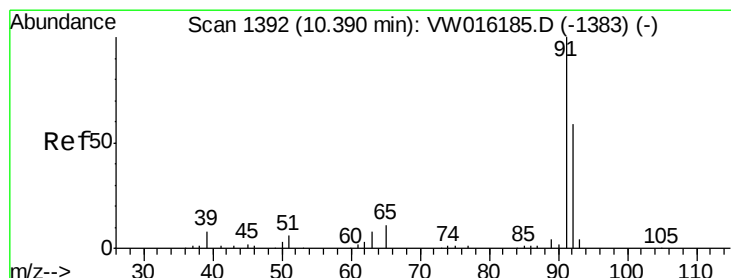
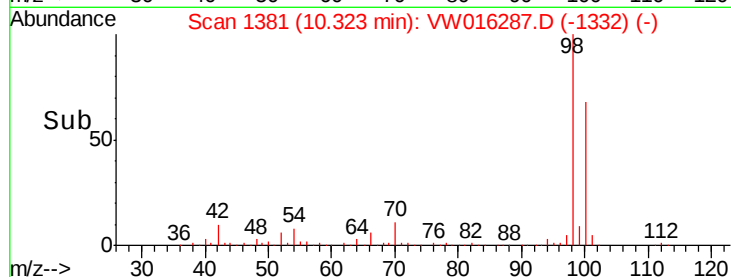
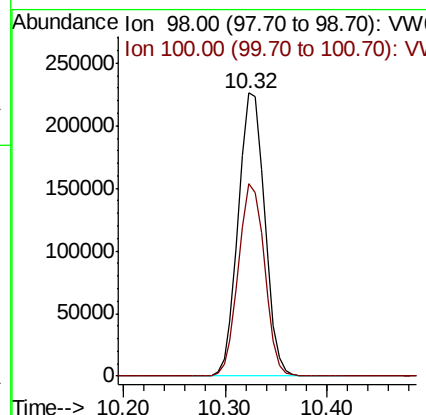
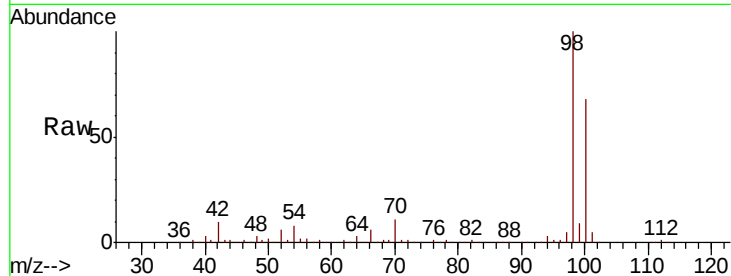




#50
Toluene-d8
Concen: 48.544 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

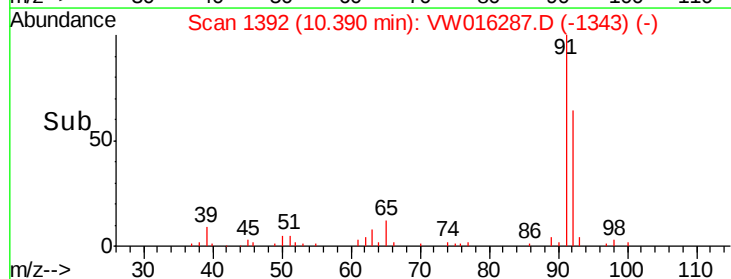
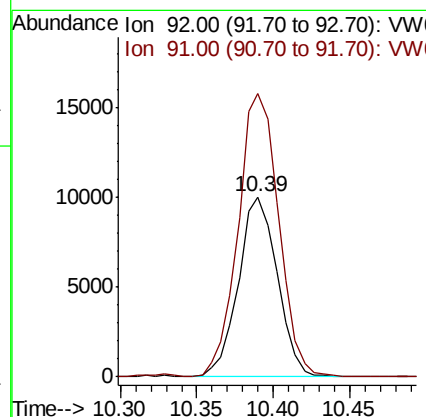
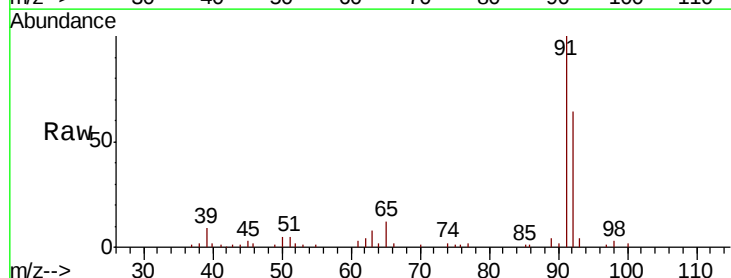
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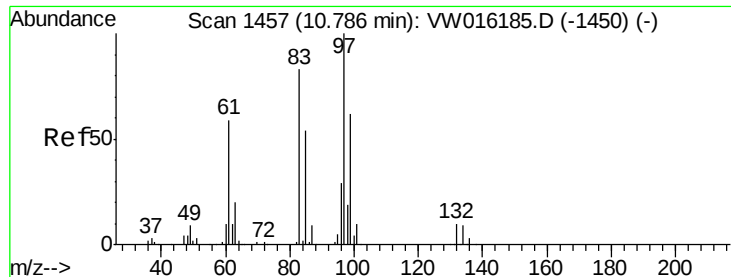
Tot Ion: 98 Resp: 406629
Ion Ratio Lower Upper
98 100
100 67.3 53.5 80.3



#52
Toluene
Concen: 2.849 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

Tgt Ion: 92 Resp: 17735
Ion Ratio Lower Upper
92 100
91 164.2 133.3 199.9

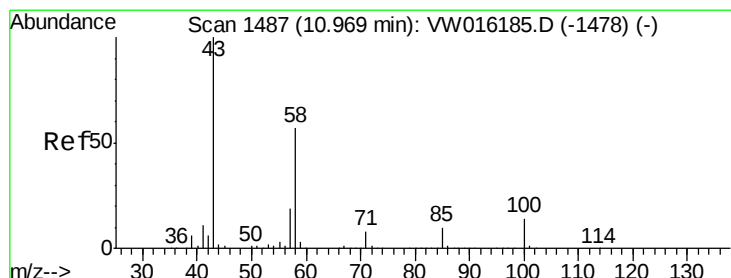
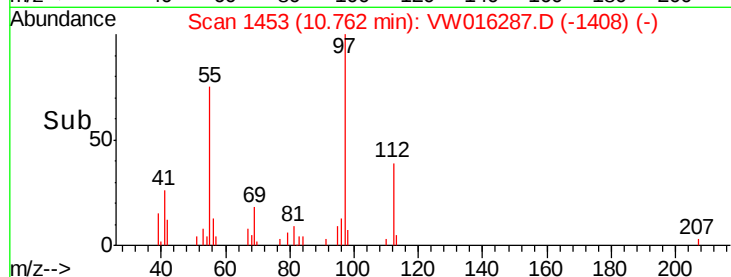
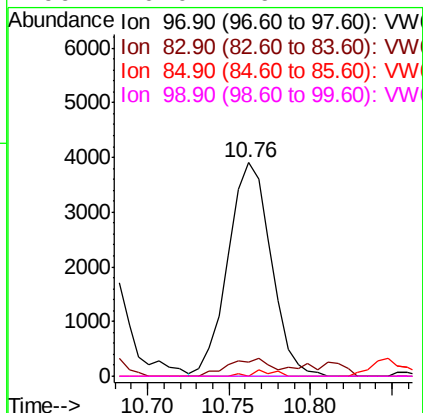
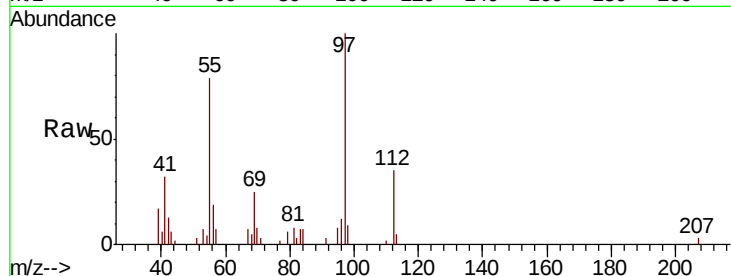




#55
 1,1,2-Trichloroethane
 Concen: 4.171 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

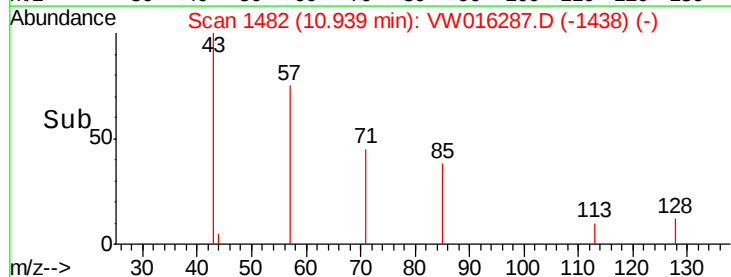
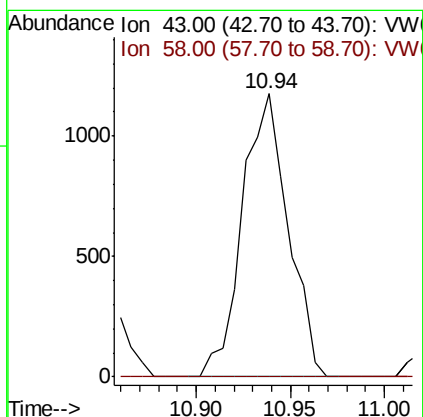
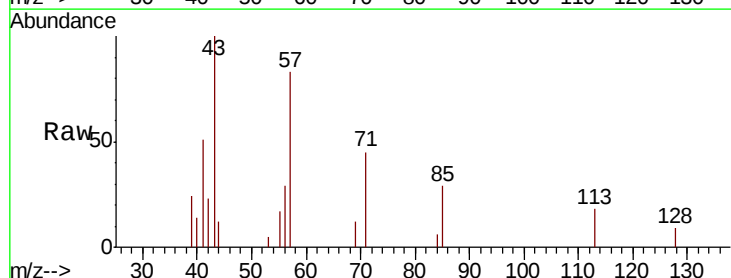
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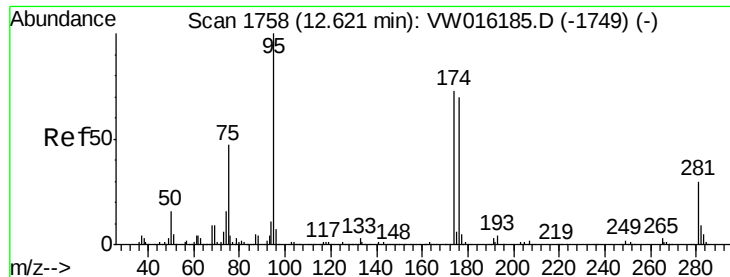
Tot Ion: 97 Resp: 7200
 Ion Ratio Lower Upper
 97 100
 83 6.5 66.6 100.0#
 85 0.0 43.0 64.4#
 99 0.0 49.4 74.2#



#59
 2-Hexanone
 Concen: 2.569 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.03 min
 Lab File: VW016287.D
 Acq: 21 Aug 2020 02:52

Tgt Ion: 43 Resp: 1981
 Ion Ratio Lower Upper
 43 100
 58 0.0 28.8 86.5#

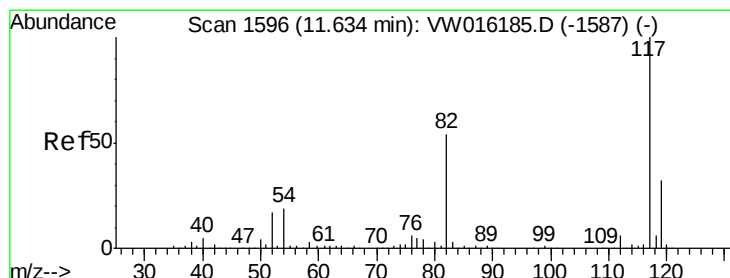
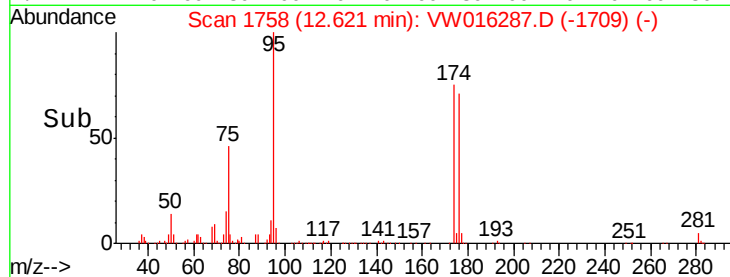
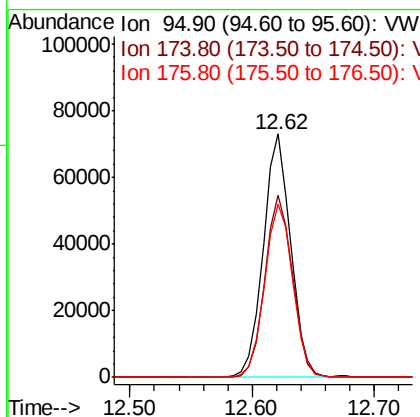
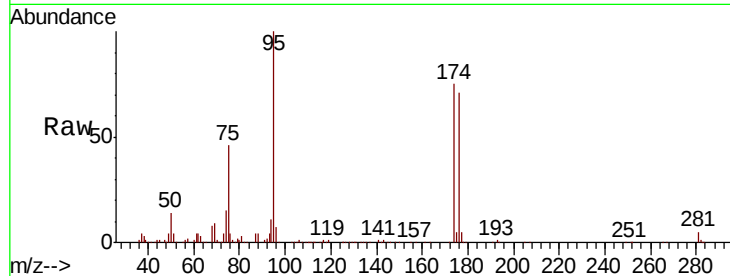




#62
4-Bromofluorobenzene
Concen: 38.035 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

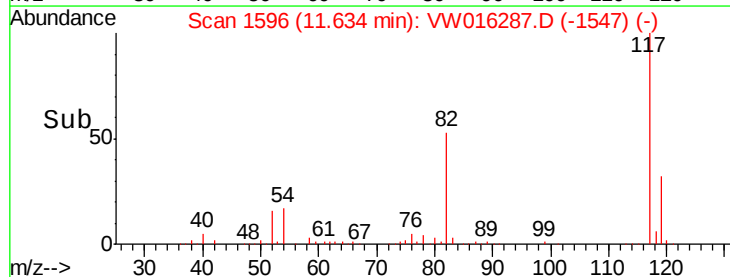
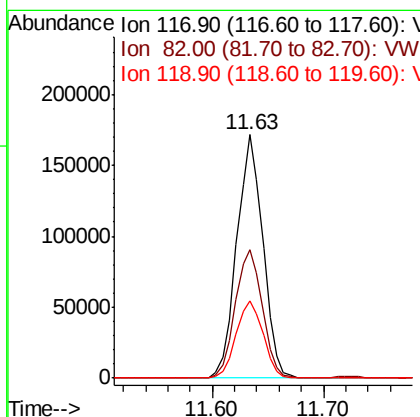
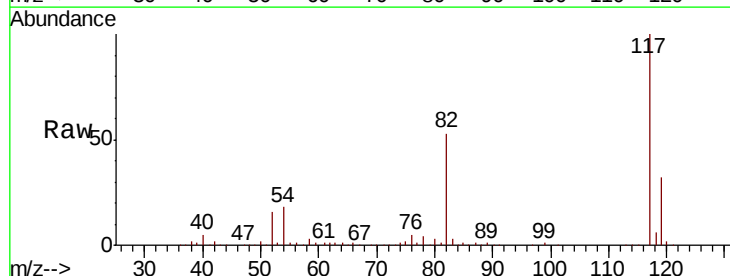
Instrument :
MSVOA_W
ClientSampleId :
OK-02-081920

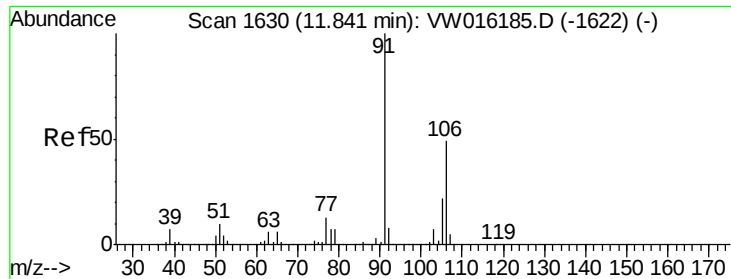
Tot Ion: 95 Resp: 113884
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.6
176 72.9 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

Tgt Ion: 117 Resp: 278249
Ion Ratio Lower Upper
117 100
82 52.7 43.6 65.4
119 31.6 25.4 38.0

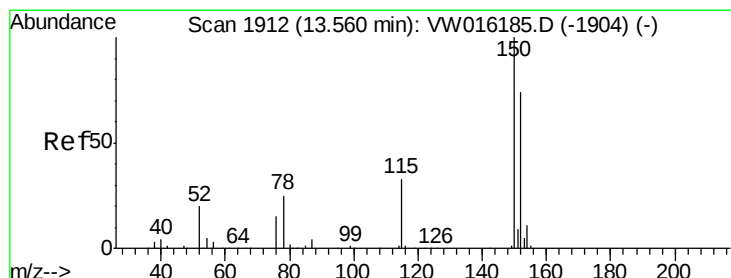
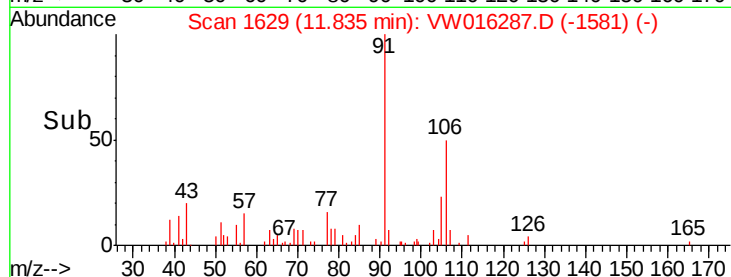
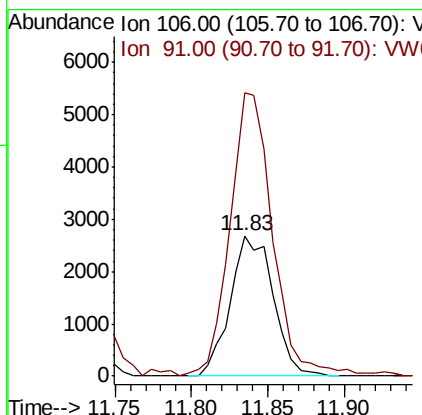
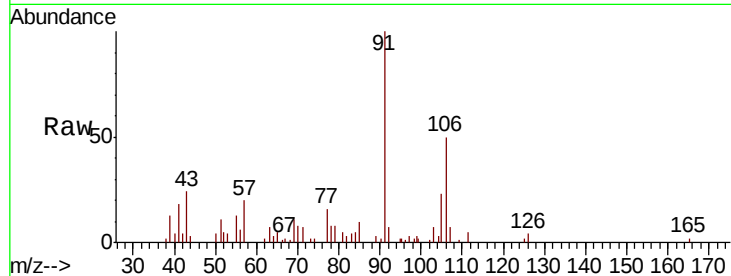




#68
m/p-Xvlenes
Concen: 1.326 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

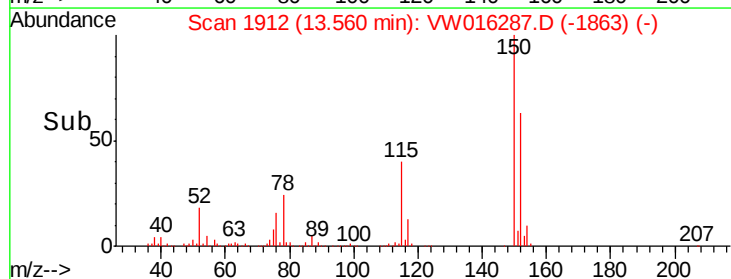
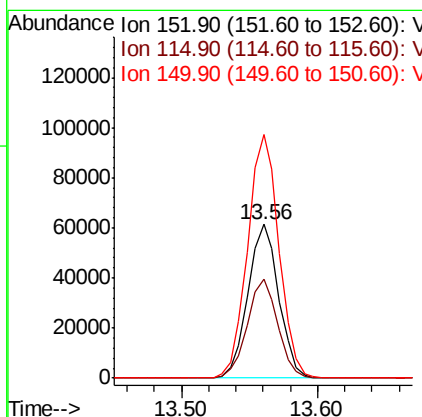
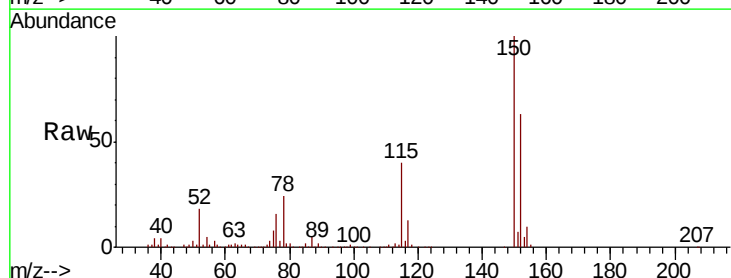
Instrument :
MSVOA_W
ClientSampleId :
OK-02-081920

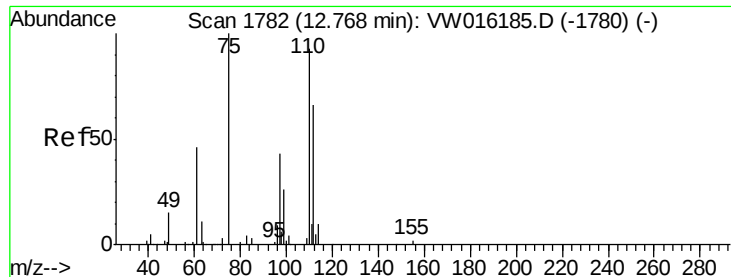
Tot Ion:106 Resp: 5224
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW016287.D
Acq: 21 Aug 2020 02:52

Tgt Ion:152 Resp: 97730
Ion Ratio Lower Upper
152 100
115 63.9 30.9 92.5
150 160.2 0.0 337.8





#76

1,2,3-Trichloropropane

Concen: 60.108 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

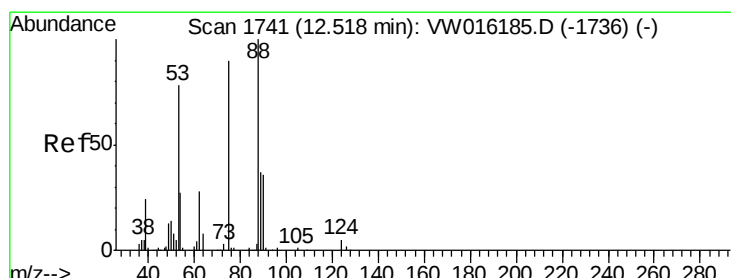
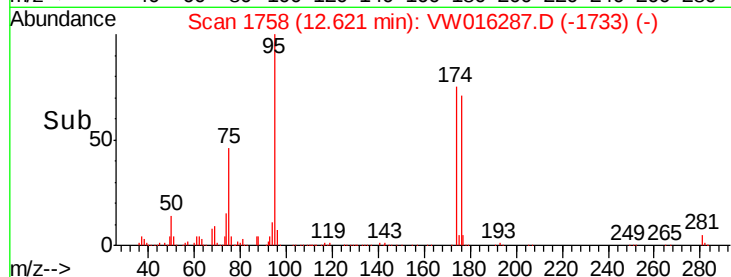
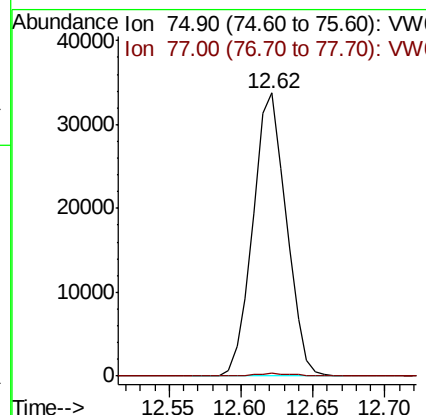
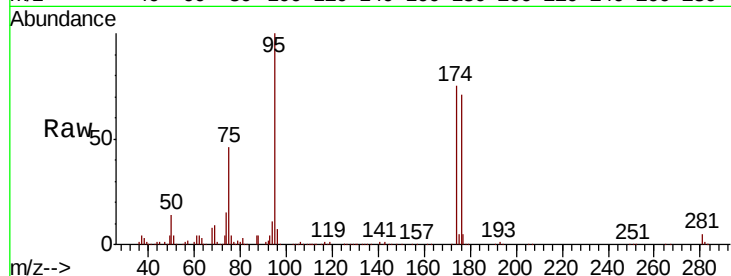
OK-02-081920

Tot Ion: 75 Resp: 54025

Ion Ratio Lower Upper

75 100

77 1.2 173.6 520.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 144.178 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

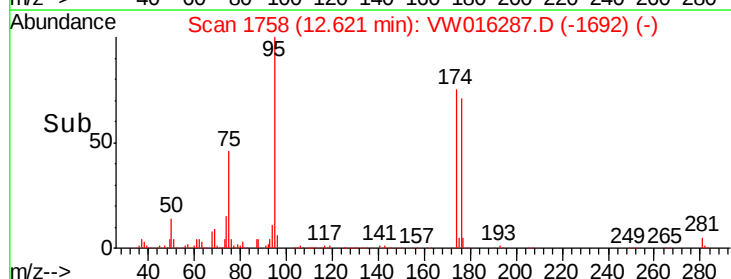
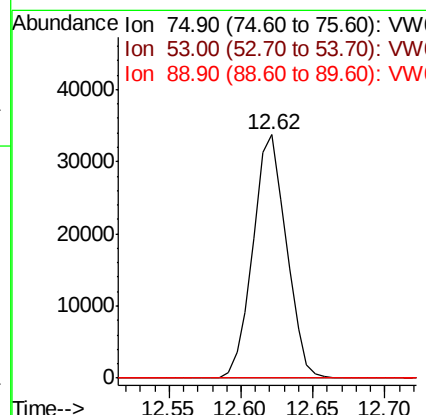
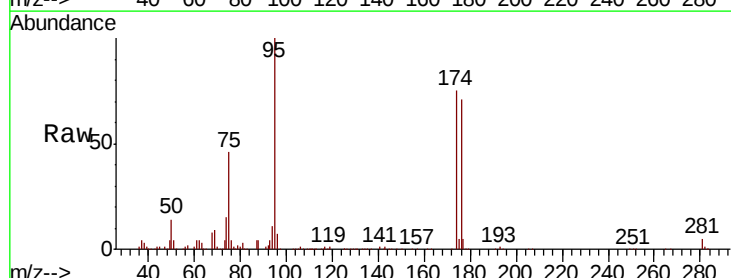
Tgt Ion: 75 Resp: 54025

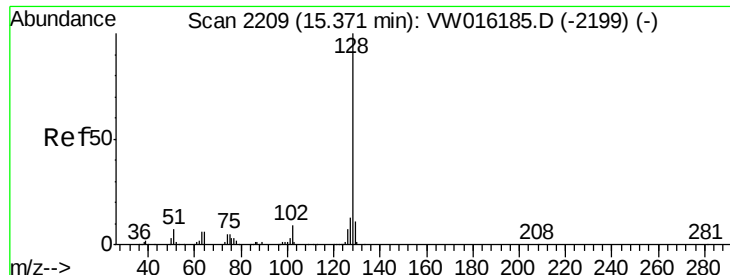
Ion Ratio Lower Upper

75 100

53 0.0 74.6 111.8#

89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 4.800 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016287.D

Acq: 21 Aug 2020 02:52

Instrument :

MSVOA_W

ClientSampleId :

OK-02-081920

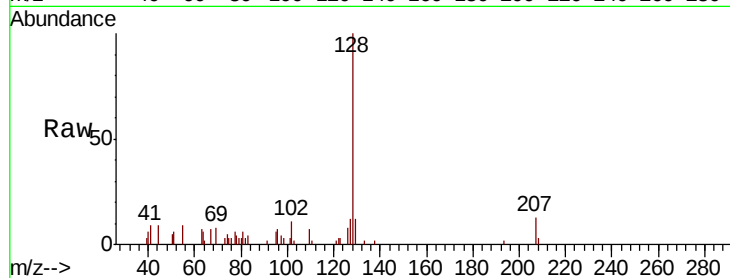
Tot Ion:128 Resp: 4737

Ion Ratio Lower Upper

128 100

127 11.4 10.2 15.4

129 14.1 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

