

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015234.D
 Acq On : 20 Apr 2020 20:06
 Operator : SY/VA
 Sample : L2346-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-2A

Quant Time: Apr 21 06:57:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	139456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	196685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	172405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	70643	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	54579	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
35) Dibromofluoromethane	7.89	113	54565	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.32	98	234142	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
62) 4-Bromofluorobenzene	12.62	95	74700	42.72	ug/l	0.00
Spiked Amount			Recovery	=	85.44%	

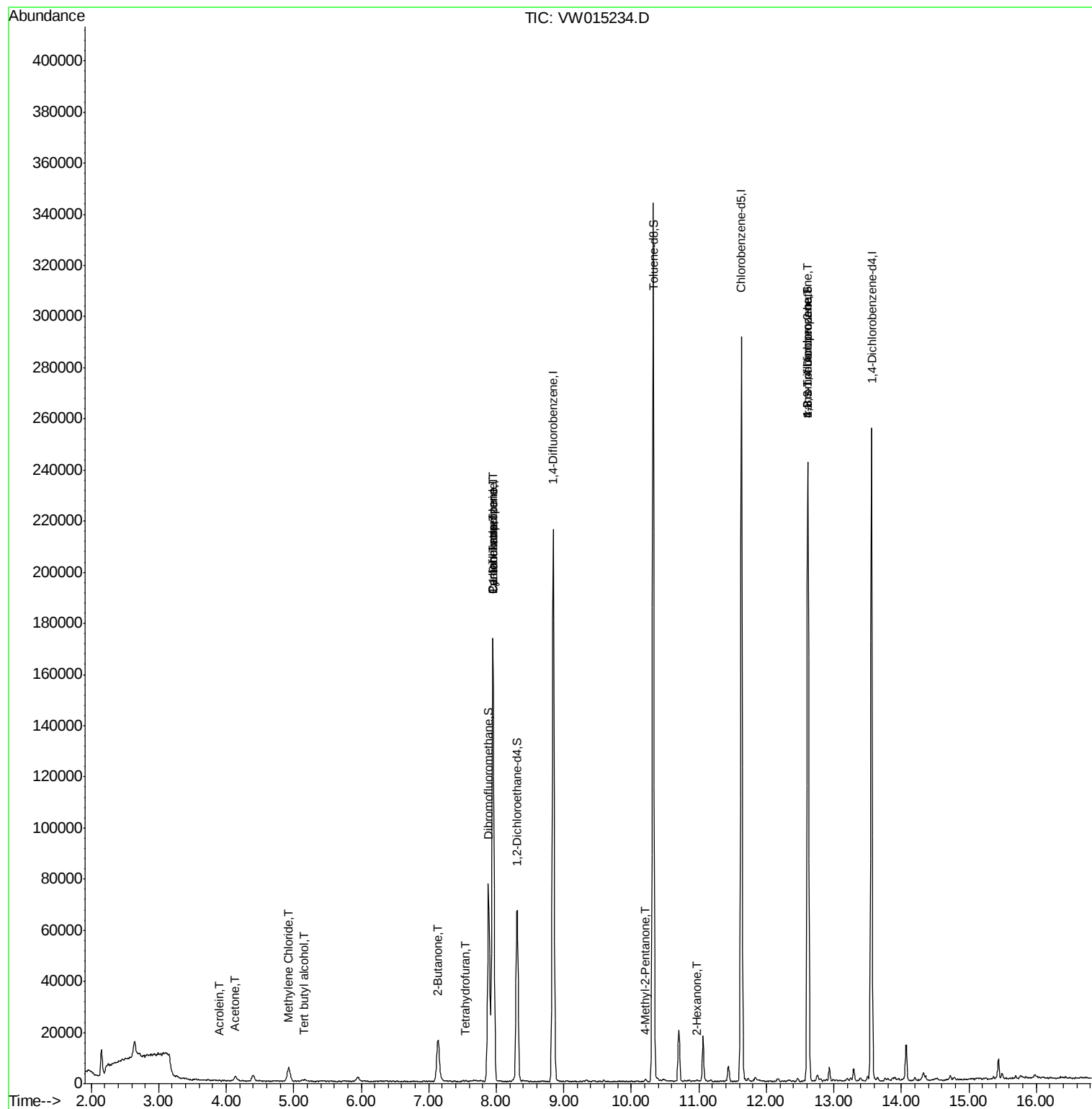
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.16	59	877	9.434	ug/l #	93
13) Acrolein	3.90	56	71	1.459	ug/l #	78
16) Acetone	4.13	43	3760	18.877	ug/l	98
20) Methylene Chloride	4.93	84	4389	3.362	ug/l #	87
25) 2-Butanone	7.15	43	954	3.610	ug/l #	48
29) Tetrahydrofuran	7.54	42	400	2.430	ug/l #	79
31) Cyclohexane	7.95	56	2919	1.384	ug/l #	10
36) 1,1-Dichloropropene	7.95	75	9180	5.171	ug/l #	50
38) Carbon Tetrachloride	7.95	117	12898	6.649	ug/l #	18
51) 4-Methyl-2-Pentanone	10.22	43	911	1.606	ug/l #	87
59) 2-Hexanone	10.97	43	473	1.168	ug/l	68
76) 1,2,3-Trichloropropane	12.62	75	38052	69.629	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38052	152.209	ug/l #	15

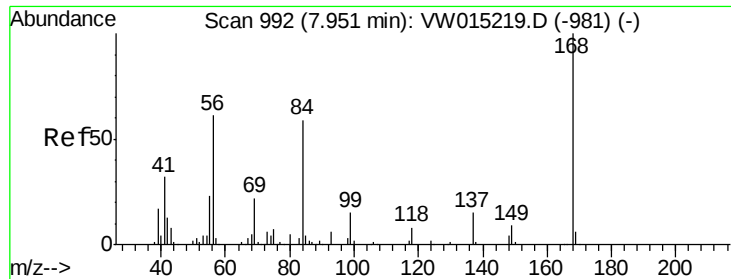
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
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Quant Time: Apr 21 06:57:24 2020
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Quant Title : SW846 8260
QLast Update : Tue Apr 21 06:39:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampled :

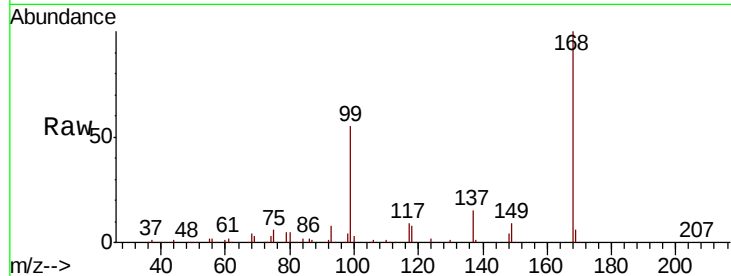
S-2A

Tot Ion:168 Resp: 139456

Ion Ratio Lower Upper

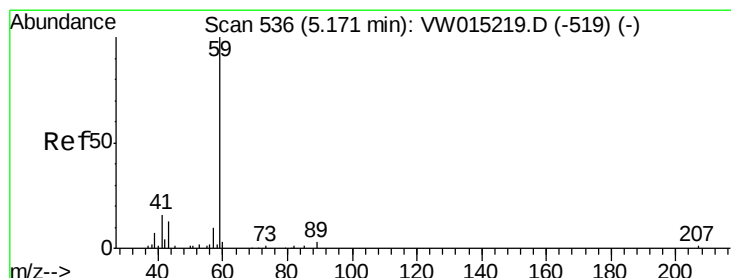
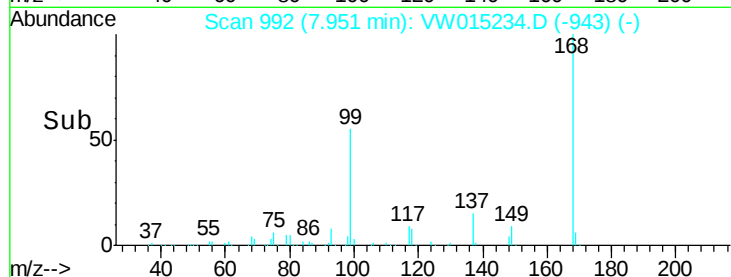
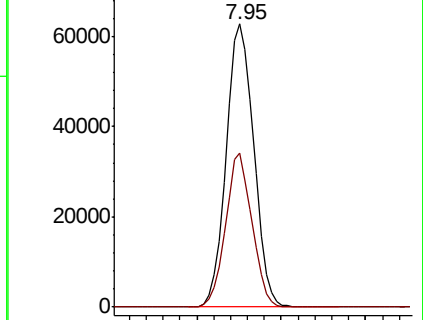
168 100

99 54.6 48.5 72.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 9.434 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.01 min

Lab File: VW015234.D

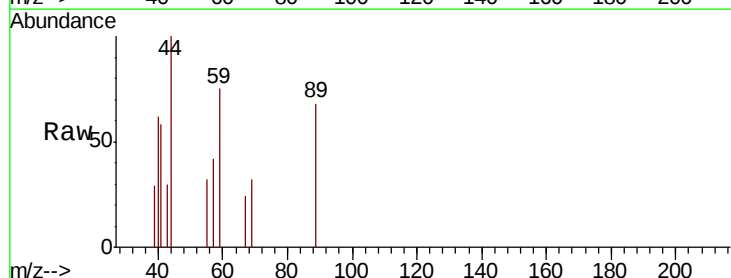
Acq: 20 Apr 2020 20:06

Tgt Ion: 59 Resp: 877

Ion Ratio Lower Upper

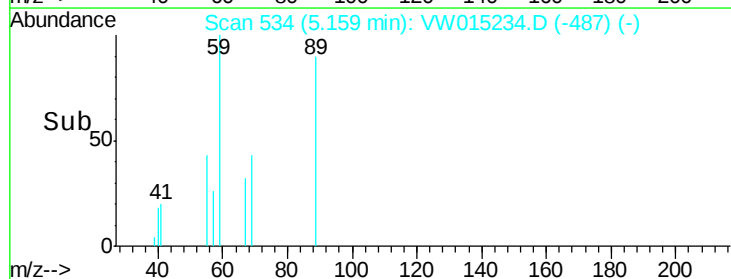
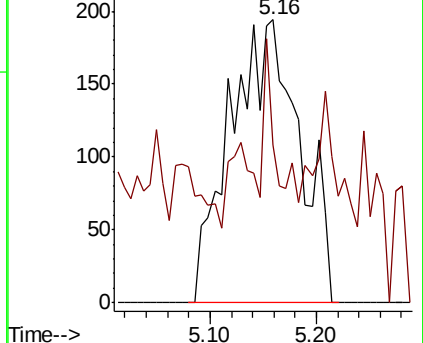
59 100

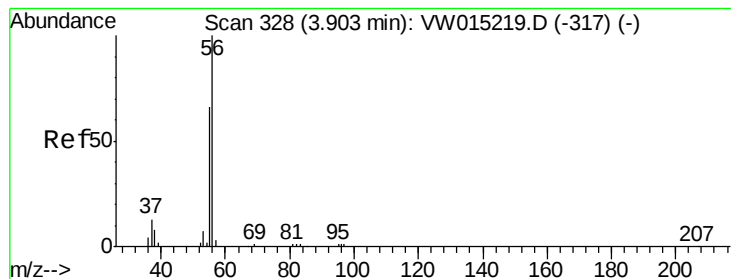
57 8.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 1.459 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampled :

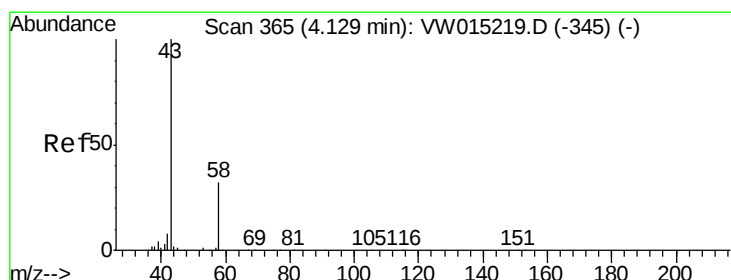
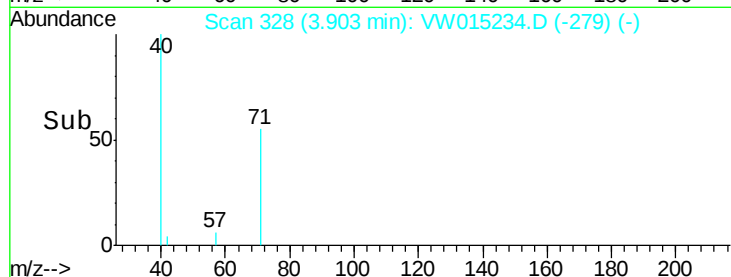
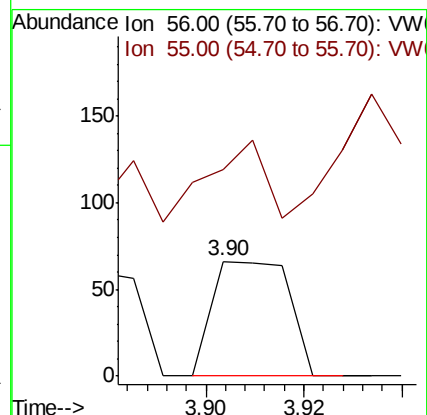
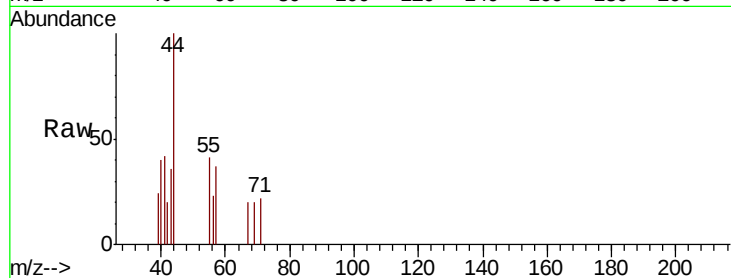
S-2A

Tot Ion: 56 Resp: 71

Ion Ratio Lower Upper

56 100

55 52.1 56.2 84.2#



#16

Acetone

Concen: 18.877 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015234.D

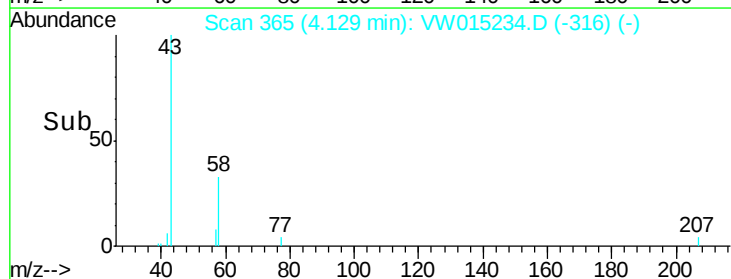
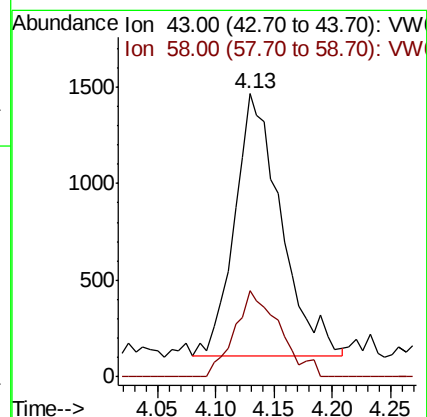
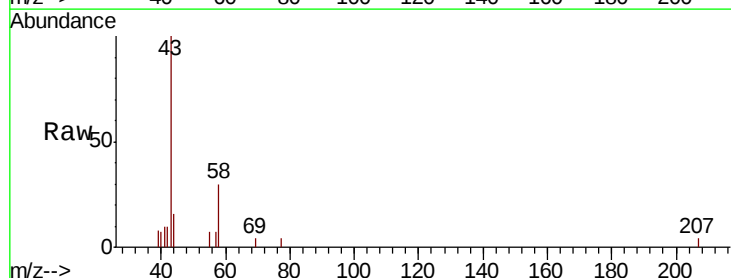
Acq: 20 Apr 2020 20:06

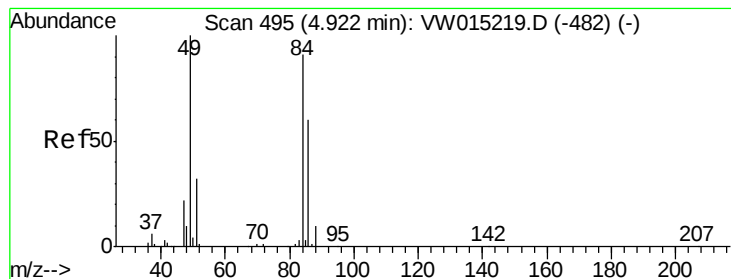
Tgt Ion: 43 Resp: 3760

Ion Ratio Lower Upper

43 100

58 32.7 27.0 40.4





#20

Methvlene Chloride

Concen: 3.362 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampled :

S-2A

Tot Ion: 84 Resp: 4389

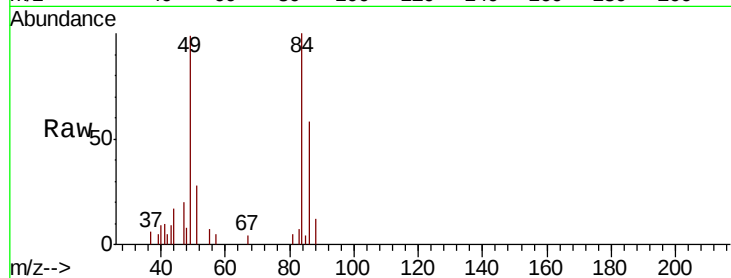
Ion Ratio Lower Upper

84 100

49 99.1 95.4 143.0

51 27.5 29.8 44.8#

86 58.1 47.4 71.0

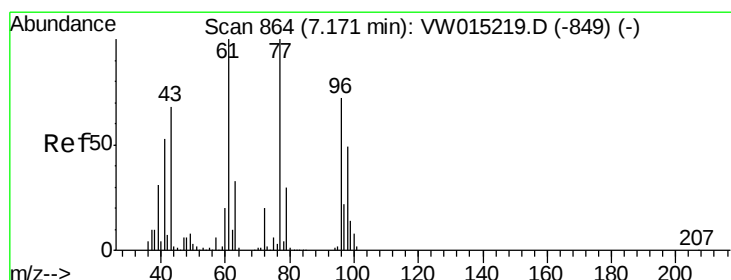
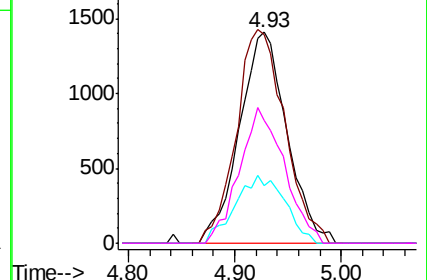
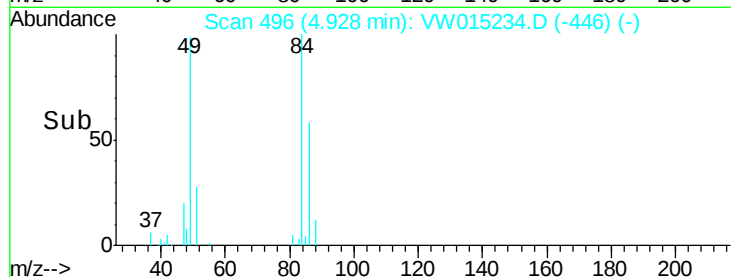


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 3.610 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW015234.D

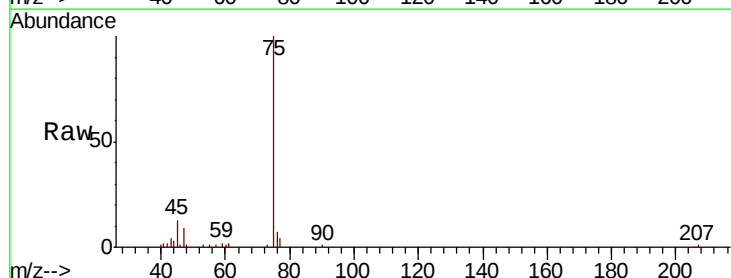
Acq: 20 Apr 2020 20:06

Tgt Ion: 43 Resp: 954

Ion Ratio Lower Upper

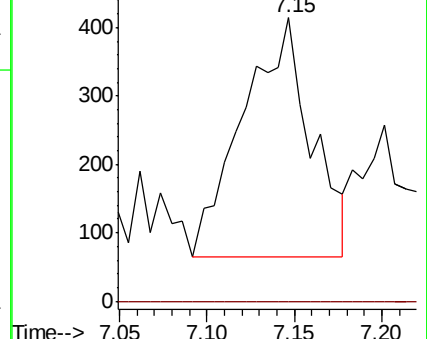
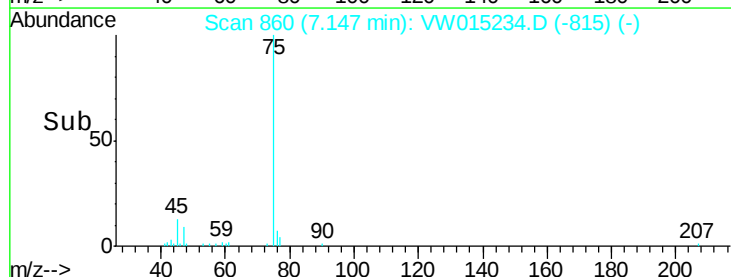
43 100

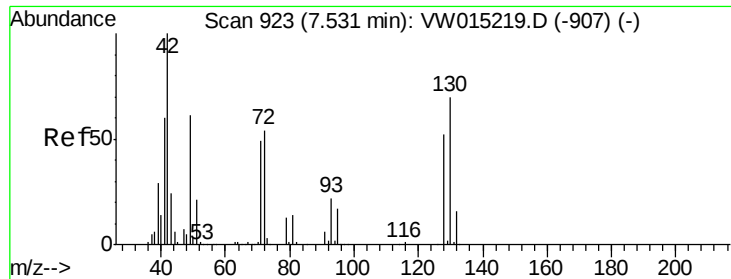
72 0.0 21.6 32.4#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 2.430 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampled :

S-2A

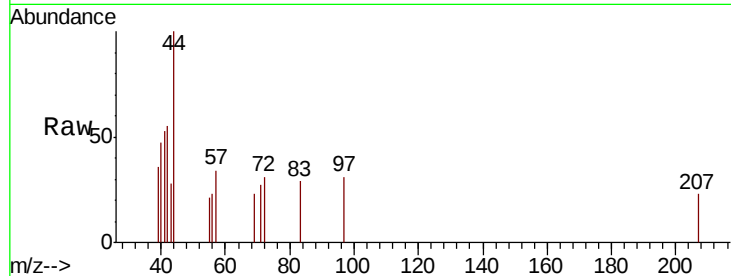
Tot Ion: 42 Resp: 400

Ion Ratio Lower Upper

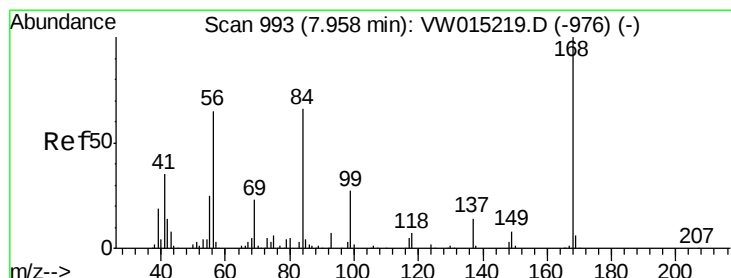
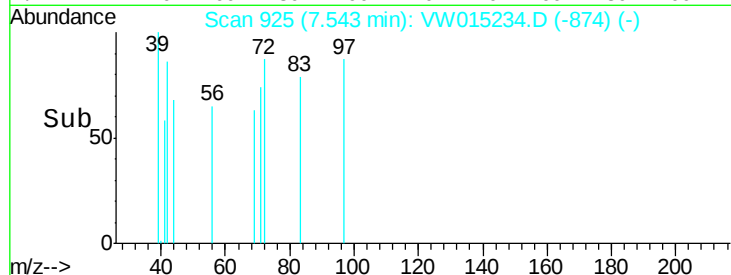
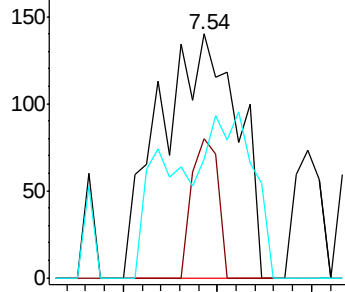
42 100

72 19.5 36.2 54.2#

71 41.5 34.2 51.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.384 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

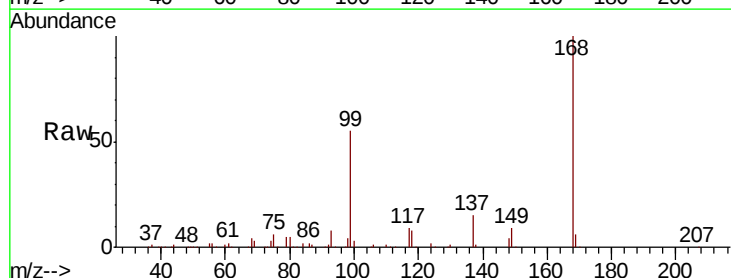
Tgt Ion: 56 Resp: 2919

Ion Ratio Lower Upper

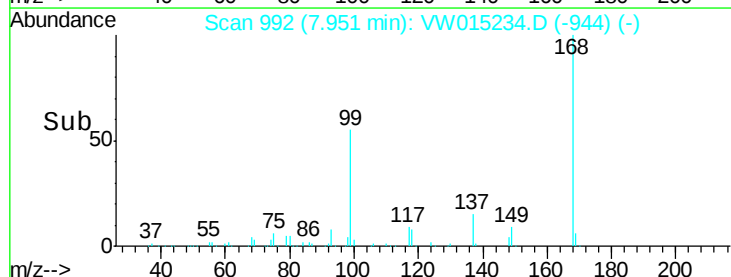
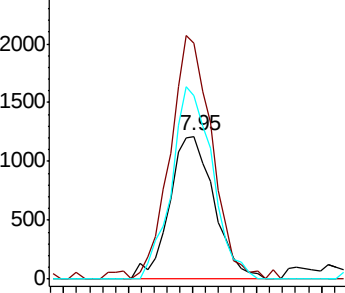
56 100

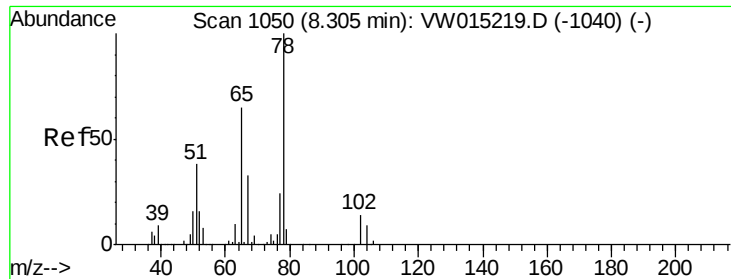
69 159.8 27.1 40.7#

84 128.8 71.9 107.9#



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

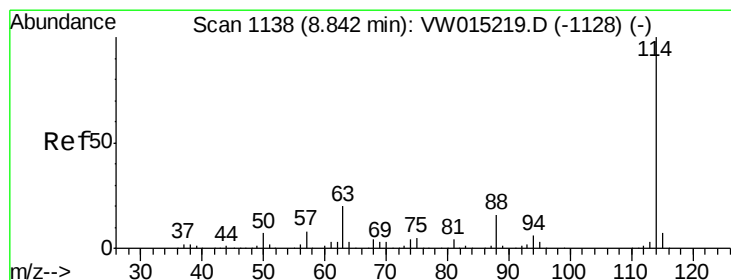
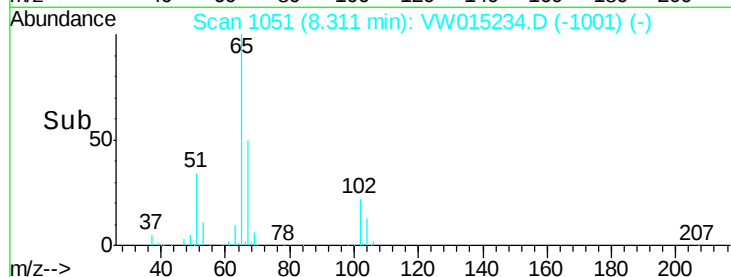
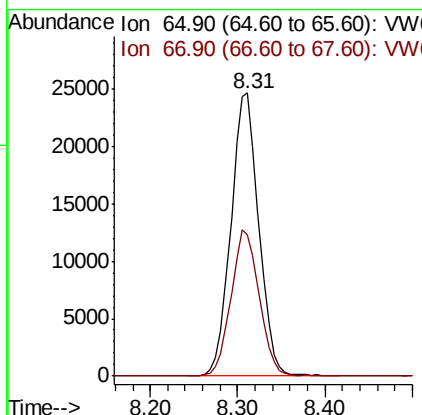
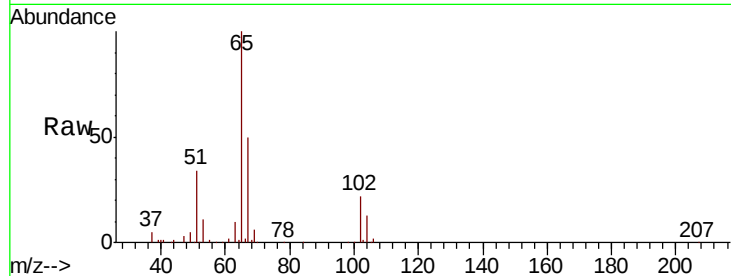




#33
 1,2-Dichloroethane-d4
 Concen: 47.860 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015234.D
 Acq: 20 Apr 2020 20:06

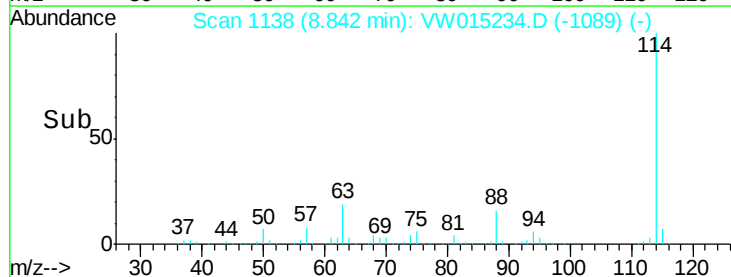
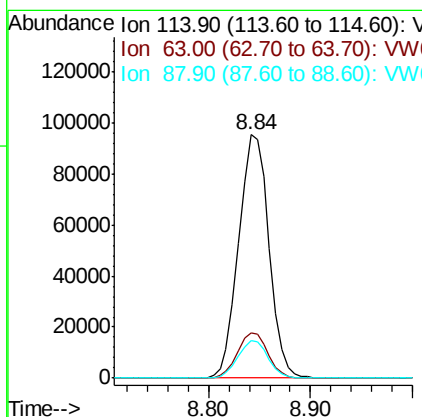
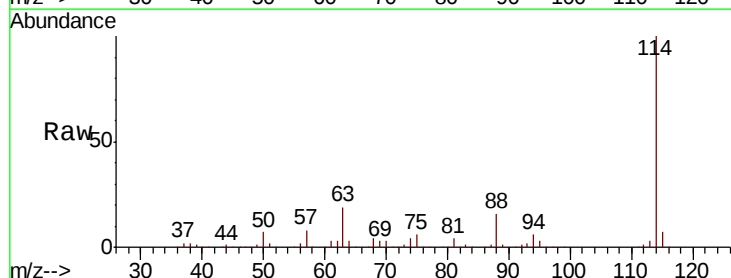
Instrument :
 MSVOA_W
 ClientSampled :
 S-2A

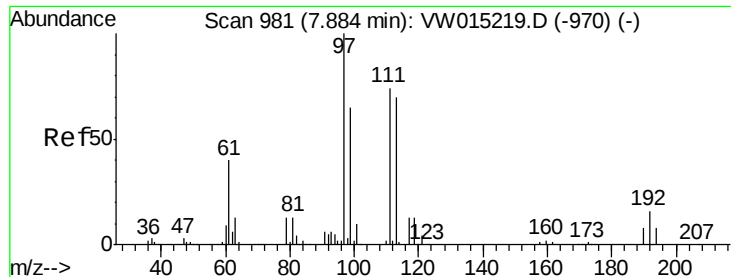
Tot Ion: 65 Resp: 54579
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015234.D
 Acq: 20 Apr 2020 20:06

Tgt Ion: 114 Resp: 196685
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.8
 88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.084 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampleId :

S-2A

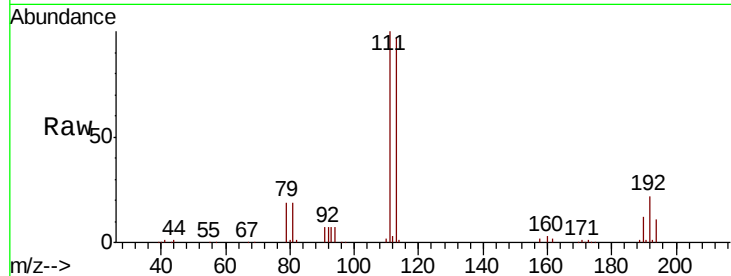
Tot Ion:113 Resp: 54565

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

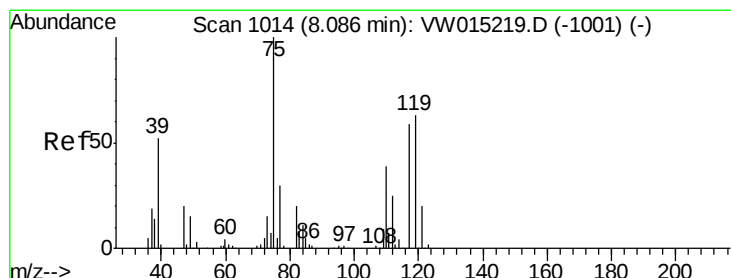
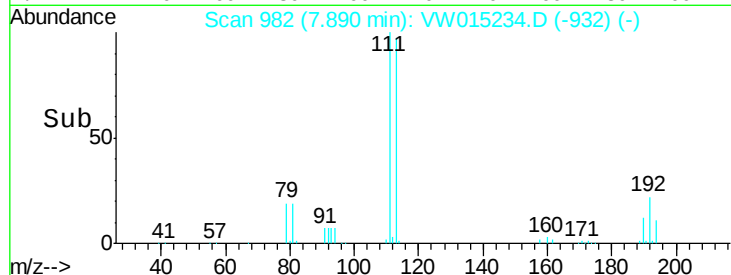
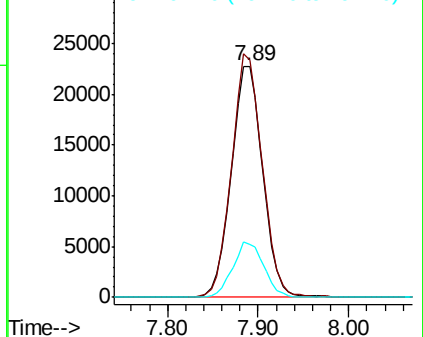
192 23.5 15.1 22.7#



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: 5.171 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

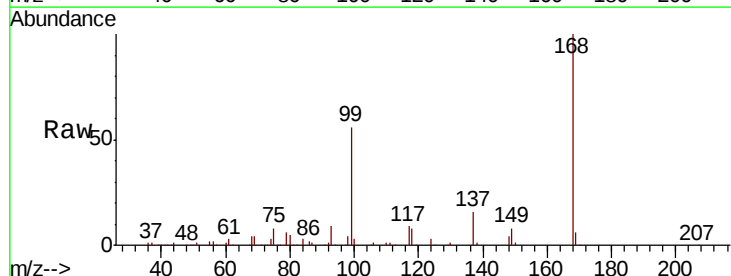
Tgt Ion: 75 Resp: 9180

Ion Ratio Lower Upper

75 100

110 9.1 18.2 54.6#

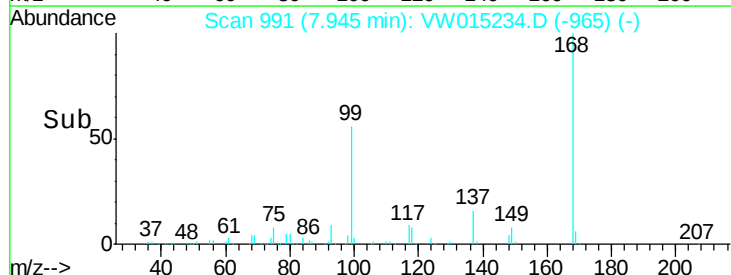
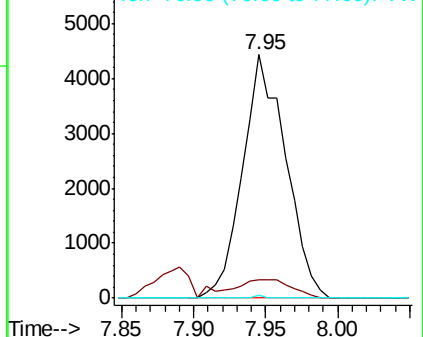
77 0.2 24.5 36.7#

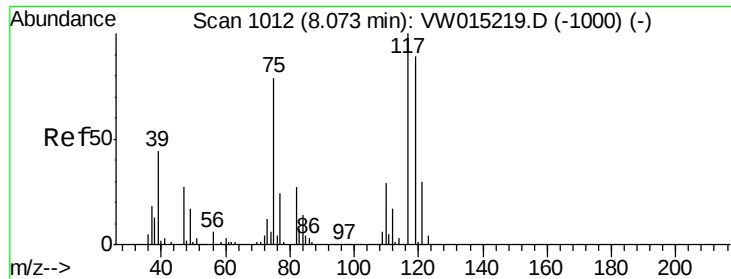


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

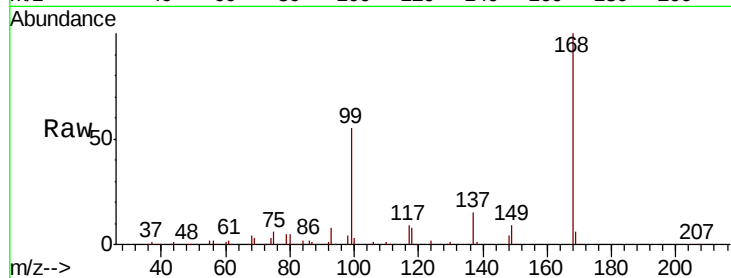




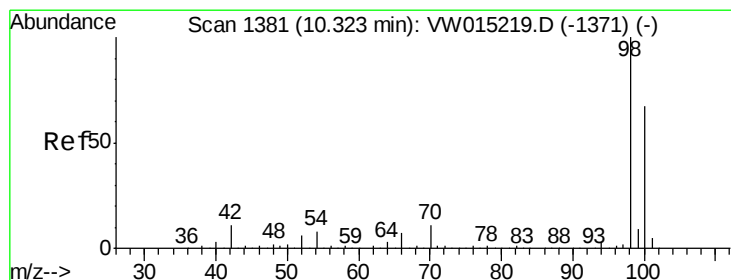
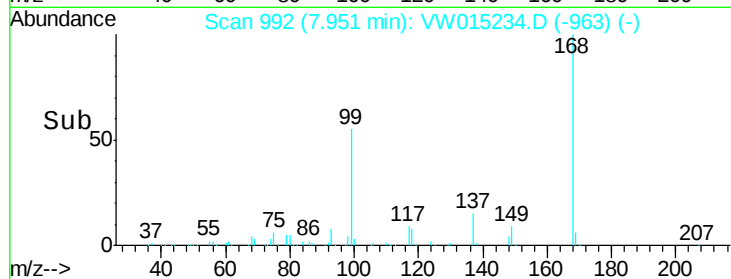
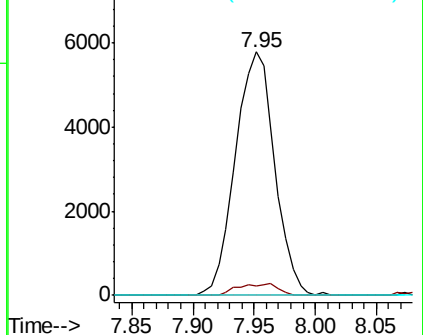
#38
Carbon Tetrachloride
Concen: 6.649 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW015234.D
Acq: 20 Apr 2020 20:06

Instrument :
MSVOA_W
ClientSampleId :
S-2A

Tot Ion:117 Resp: 12898
Ion Ratio Lower Upper
117 100
119 4.0 72.3 108.5#
121 0.0 23.7 35.5#

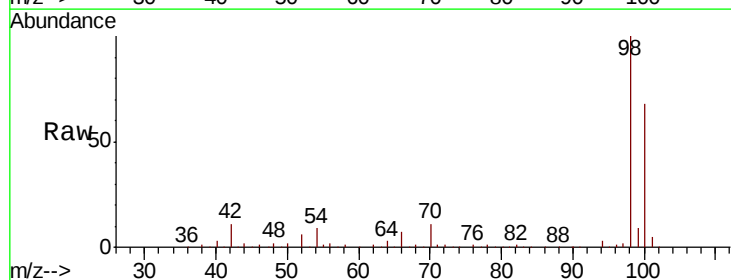


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

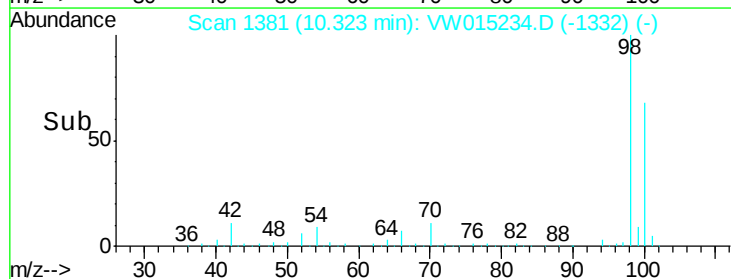
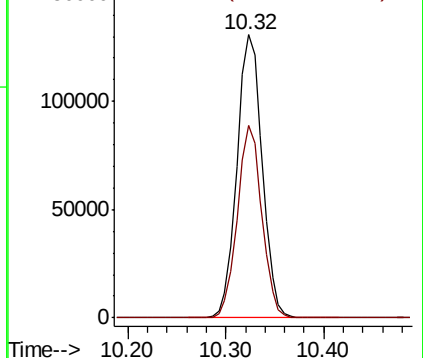


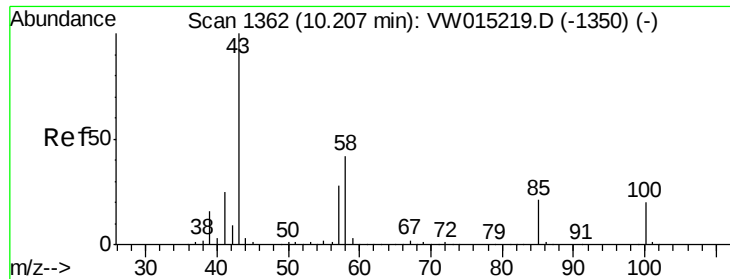
#50
Toluene-d8
Concen: 51.088 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015234.D
Acq: 20 Apr 2020 20:06

Tgt Ion: 98 Resp: 234142
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.606 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampled :

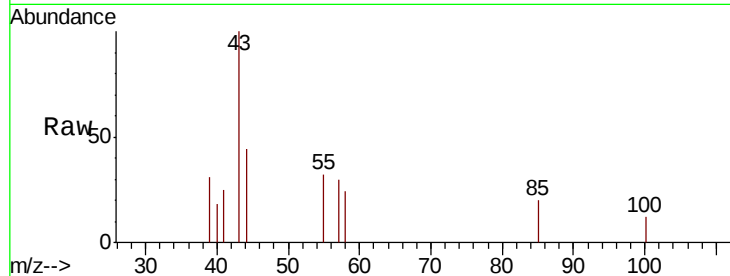
S-2A

Tot Ion: 43 Resp: 911

Ion Ratio Lower Upper

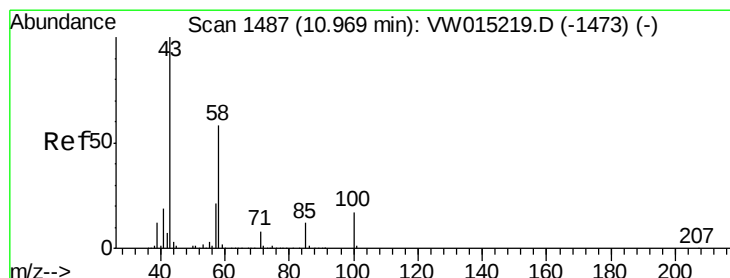
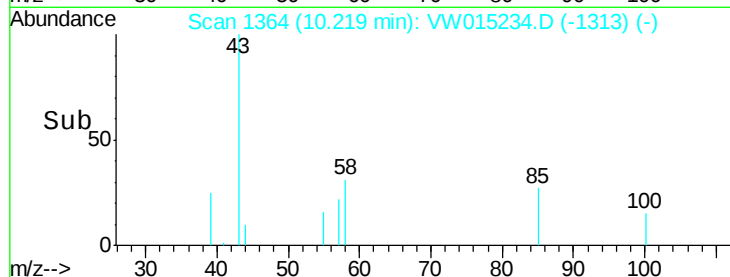
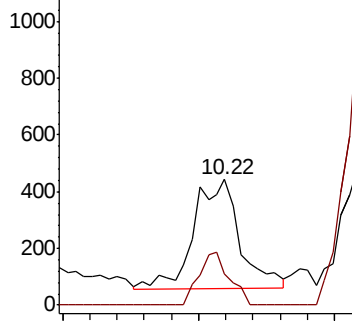
43 100

58 32.1 32.3 48.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#59

2-Hexanone

Concen: 1.168 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015234.D

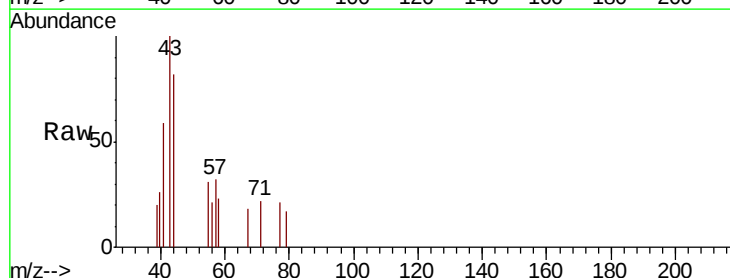
Acq: 20 Apr 2020 20:06

Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

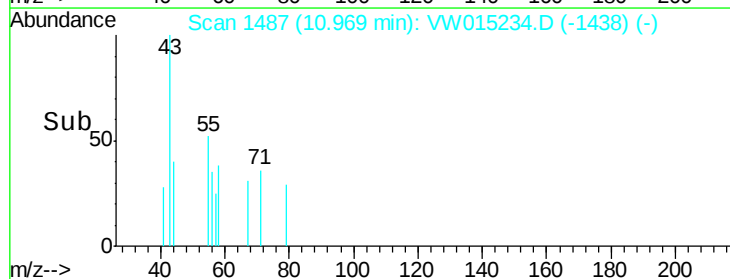
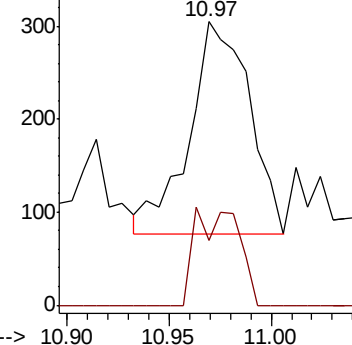
43 100

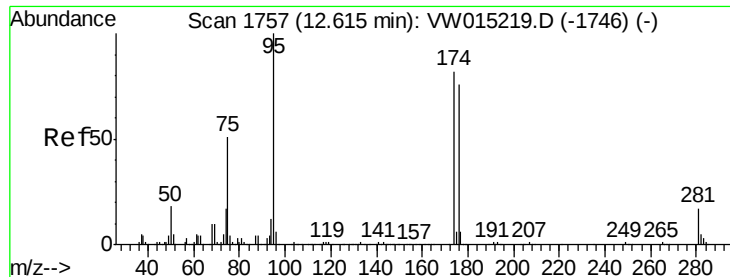
58 32.8 28.1 84.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

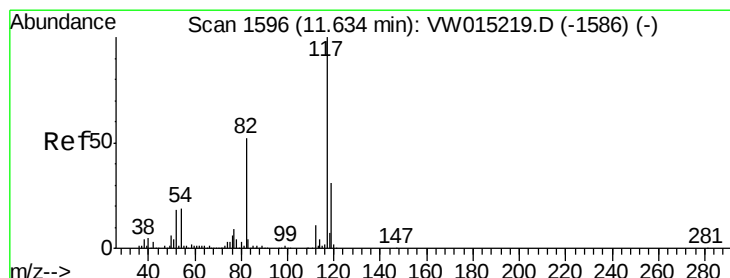
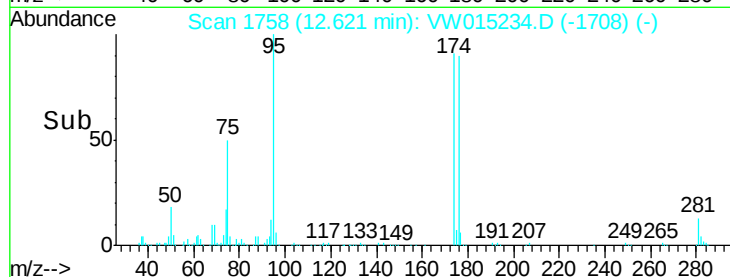
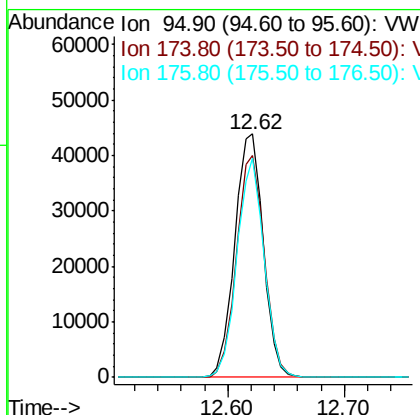
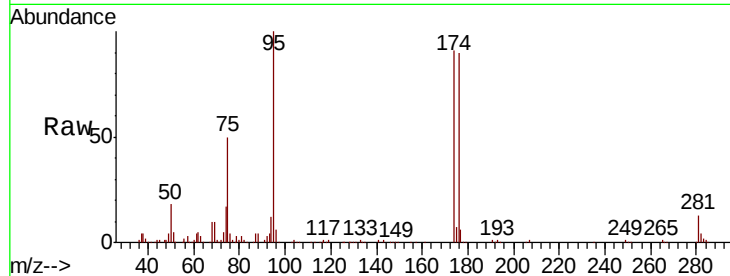




#62
4-Bromofluorobenzene
Concen: 42.718 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.01 min
Lab File: VW015234.D
Acq: 20 Apr 2020 20:06

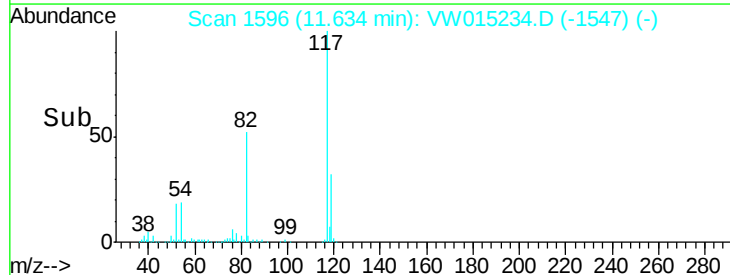
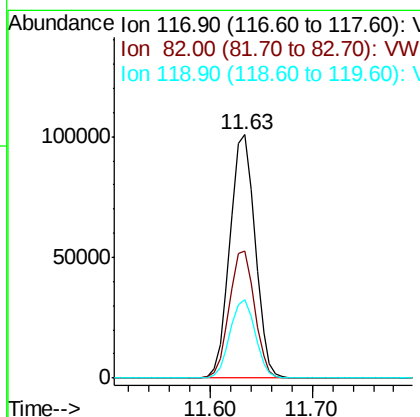
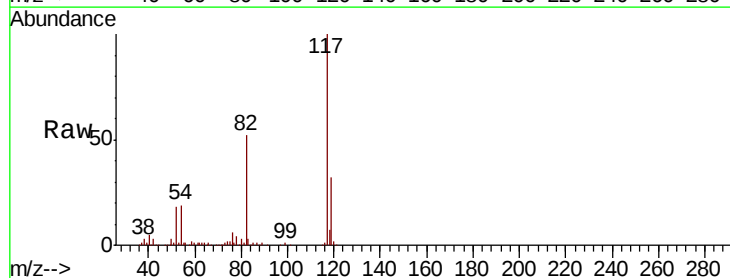
Instrument :
MSVOA_W
ClientSampleId :
S-2A

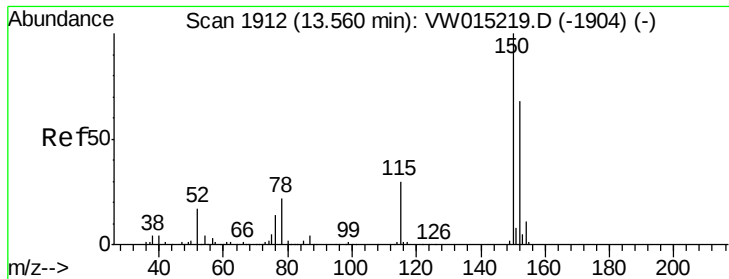
Tot Ion: 95 Resp: 74700
Ion Ratio Lower Upper
95 100
174 89.4 0.0 144.4
176 85.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015234.D
Acq: 20 Apr 2020 20:06

Tgt Ion: 117 Resp: 172405
Ion Ratio Lower Upper
117 100
82 52.0 44.1 66.1
119 32.2 24.9 37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampleId :

S-2A

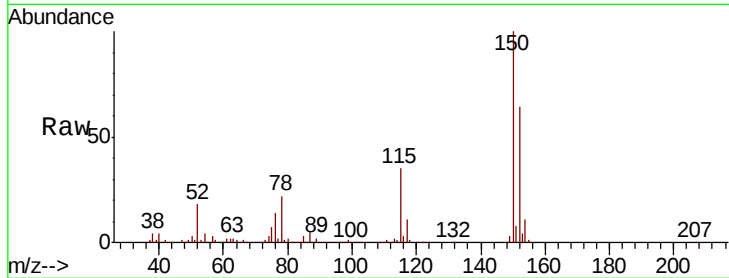
Tot Ion:152 Resp: 70643

Ion Ratio Lower Upper

152 100

115 56.5 31.3 93.9

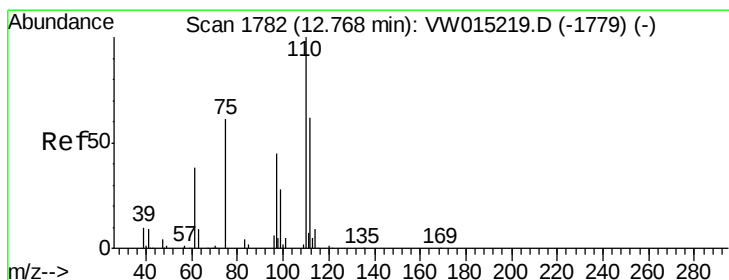
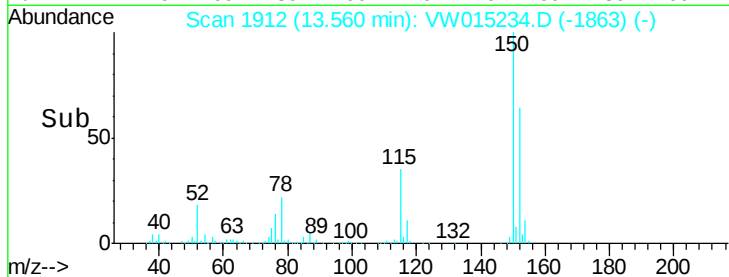
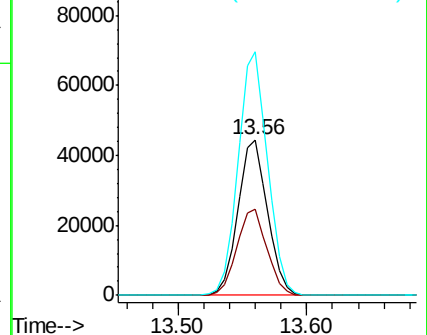
150 156.3 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 69.629 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW015234.D

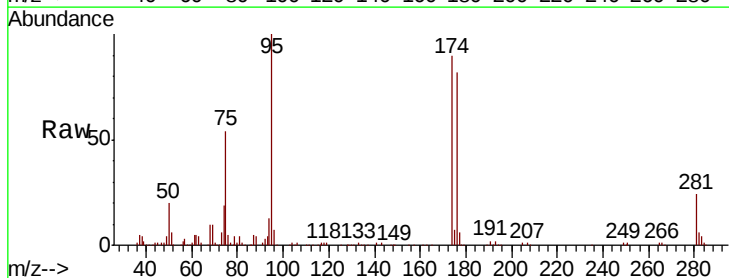
Acq: 20 Apr 2020 20:06

Tgt Ion: 75 Resp: 38052

Ion Ratio Lower Upper

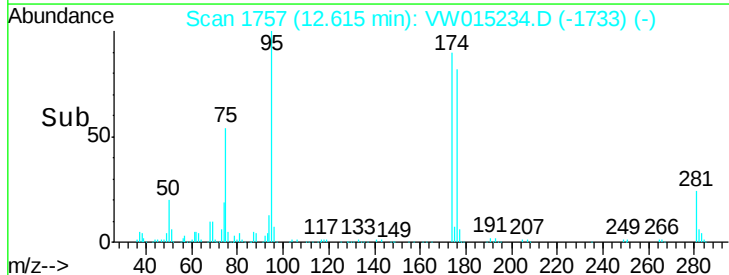
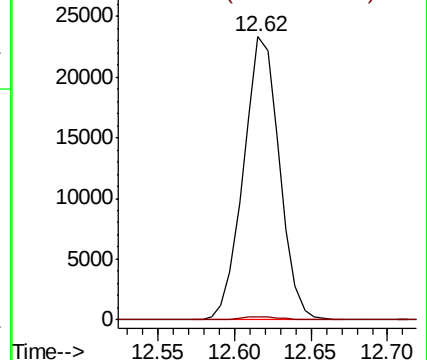
75 100

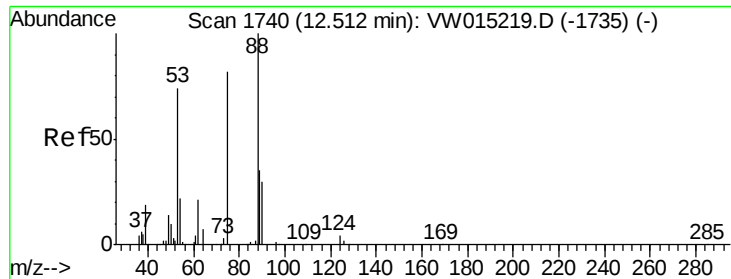
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 152.209 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW015234.D

Acq: 20 Apr 2020 20:06

Instrument :

MSVOA_W

ClientSampleId :

S-2A

Tot Ion: 75 Resp: 38052

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 34.8 52.2#

