

Data File : VW010694.D
Acq On : 05 Jun 2019 16:05
Operator : SY/VA
Sample : K3192-03
Misc : 9.09G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
CLVR-AVEX-WC1A

Quant Time: Jun 06 07:29:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	221609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	155439	59.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.02%	
35) Dibromofluoromethane	7.89	113	113547	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	10.32	98	498183	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
62) 4-Bromofluorobenzene	12.62	95	178385	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	

Target Compounds

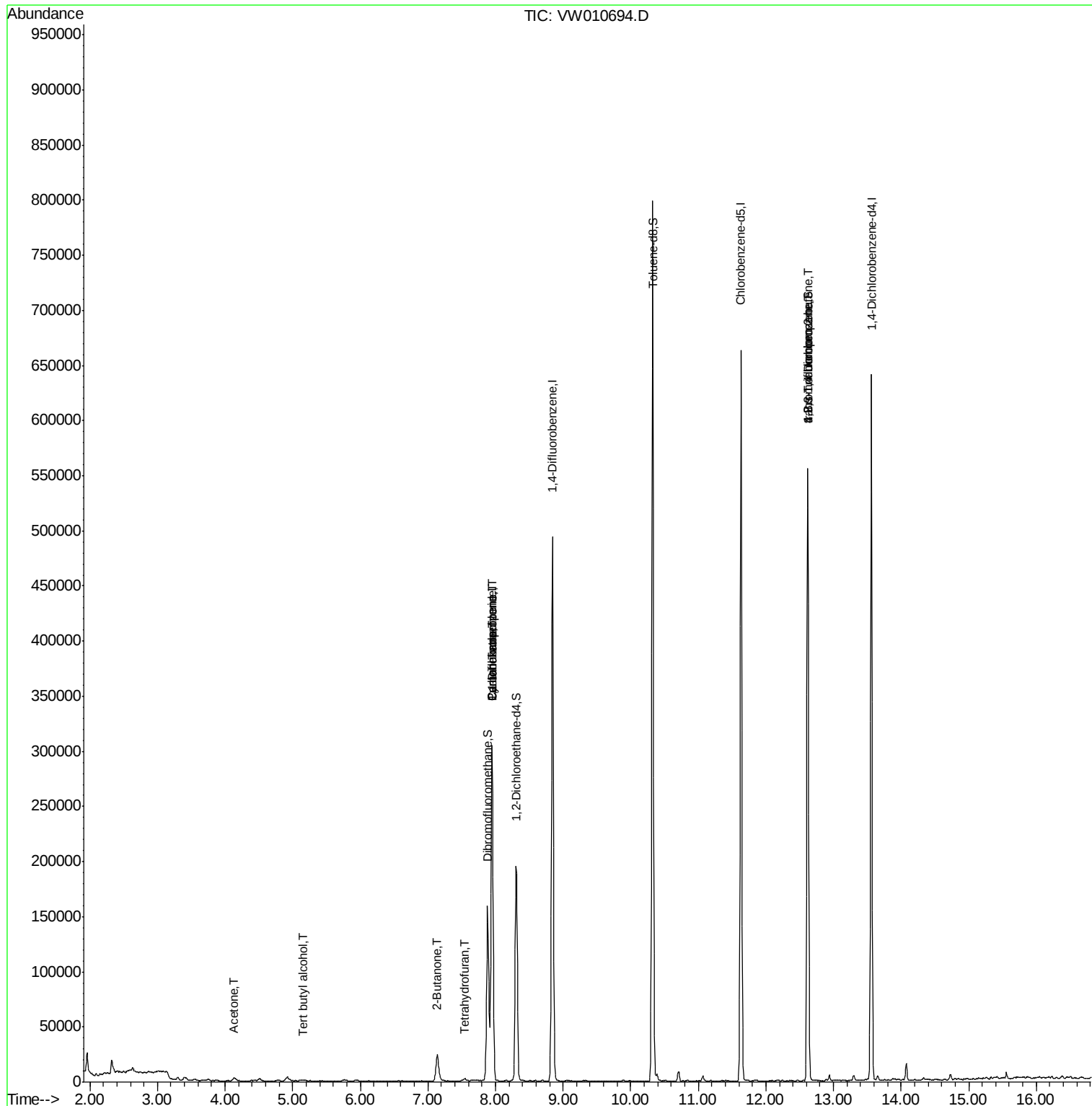
						Qvalue
11) Tert butyl alcohol	5.15	59	1018	4.784	ug/l #	93
16) Acetone	4.13	43	5093	7.277	ug/l	95
25) 2-Butanone	7.13	43	1449	1.493	ug/l #	80
29) Tetrahydrofuran	7.53	42	2039	3.340	ug/l #	88
31) Cyclohexane	7.95	56	5749	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19310	4.943	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21930	6.503	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	96348	59.456	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	96348	136.650	ug/l #	5

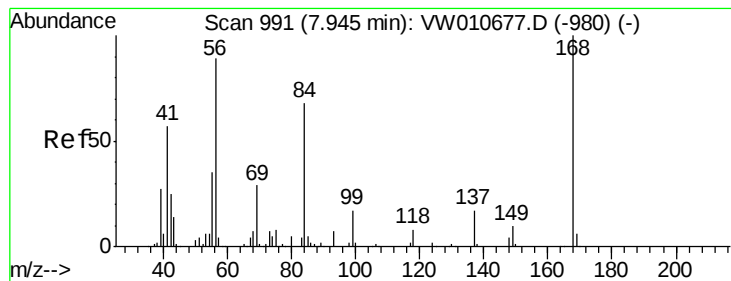
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010694.D

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Instrument :

MSVOA_W

ClientSampleId :

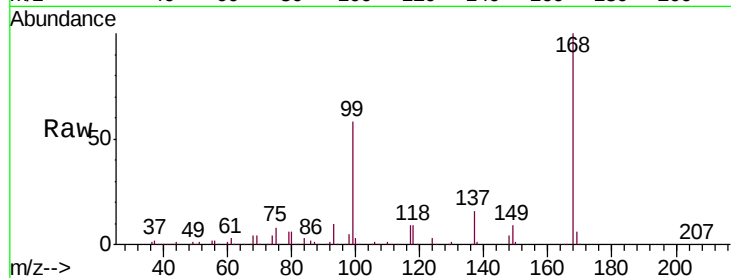
CLVR-AVEX-WC1A

Tgt Ion: 168 Resp: 221609

Ion Ratio Lower Upper

168 100

99 57.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

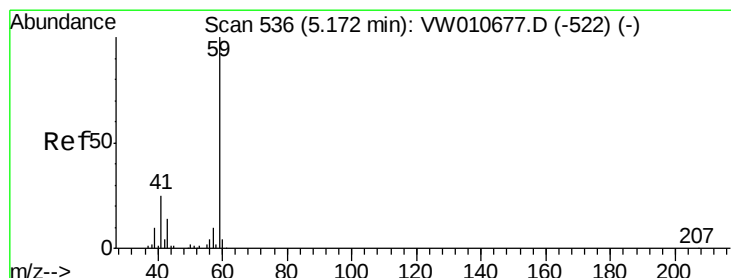
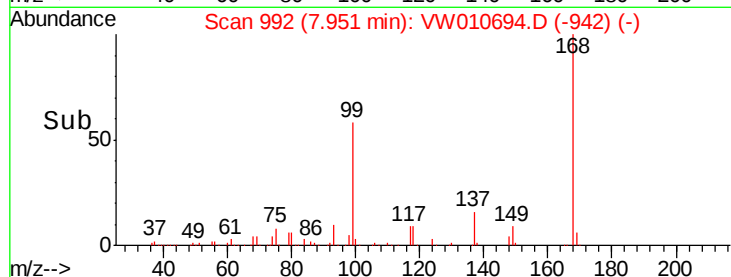
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 4.784 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.02 min

Lab File: VW010694.D

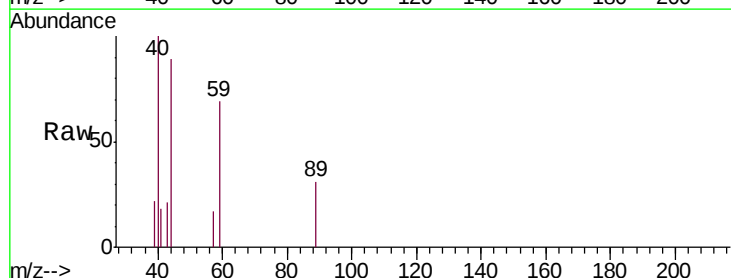
Acq: 05 Jun 2019 16:05

Tgt Ion: 59 Resp: 1018

Ion Ratio Lower Upper

59 100

57 13.5 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.15

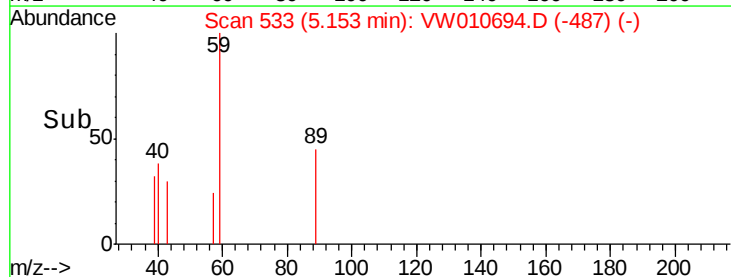
300

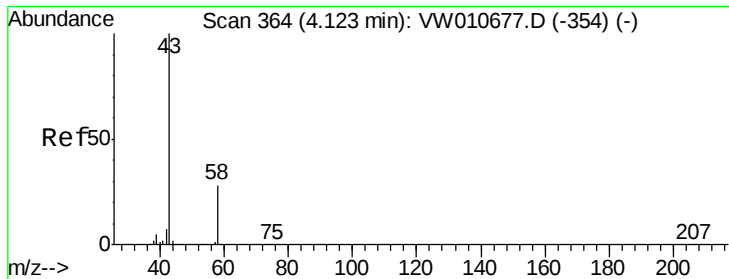
200

100

0

Time--> 5.10 5.15 5.20 5.25

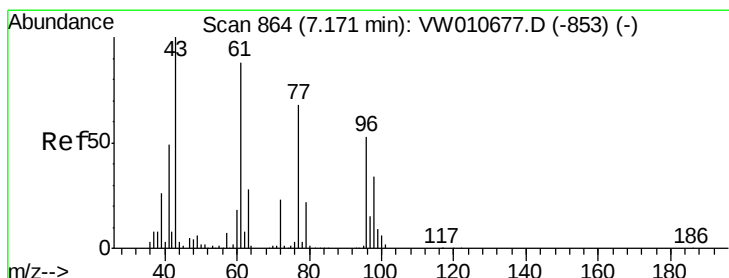
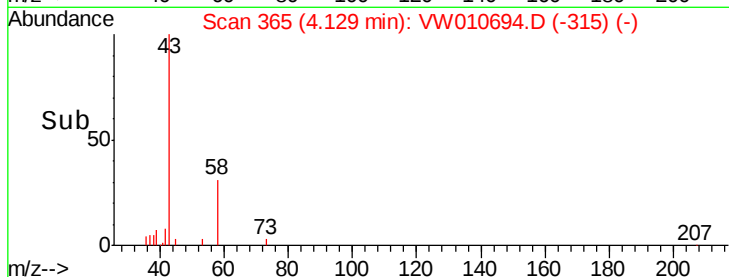
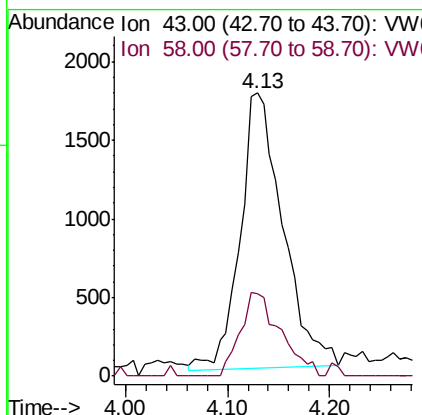
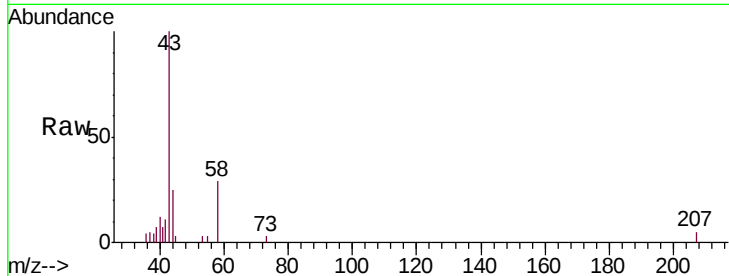




#16
Acetone
Concen: 7.277 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW010694.D
Acq: 05 Jun 2019 16:05

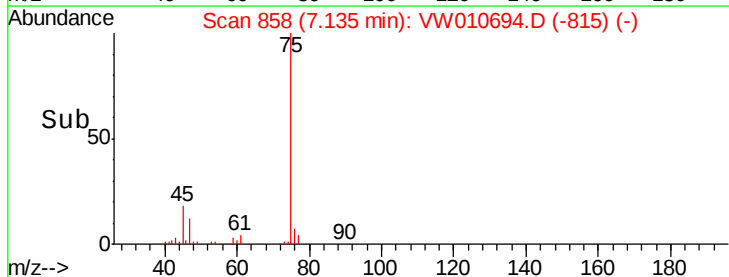
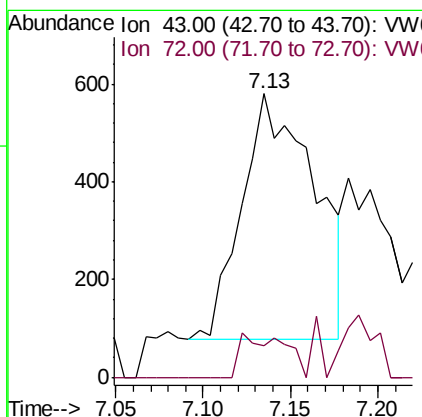
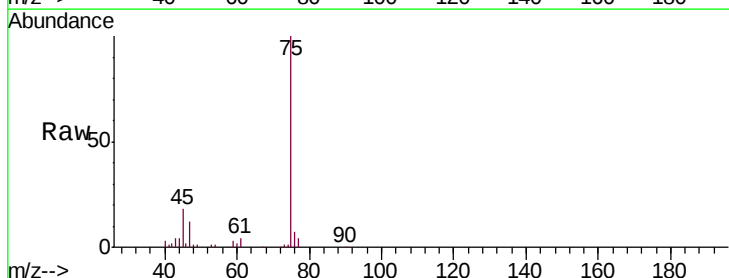
Instrument :
MSVOA_W
ClientSampleId :
CLVR-AVEX-WC1A

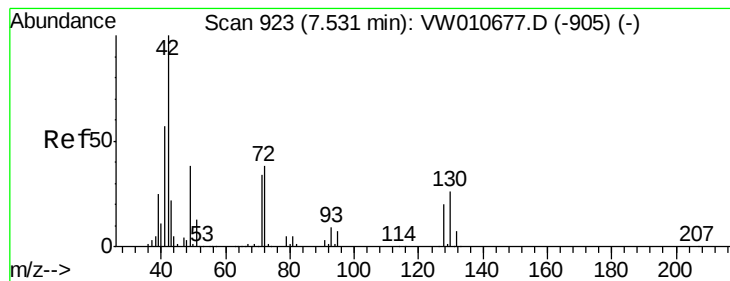
Tgt Ion: 43 Resp: 5093
Ion Ratio Lower Upper
43 100
58 30.4 22.1 33.1



#25
2-Butanone
Concen: 1.493 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.04 min
Lab File: VW010694.D
Acq: 05 Jun 2019 16:05

Tgt Ion: 43 Resp: 1449
Ion Ratio Lower Upper
43 100
72 12.9 18.1 27.1#





#29

Tetrahydrofuran

Concen: 3.340 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010694.D

Acq: 05 Jun 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

CLVR-AVEX-WC1A

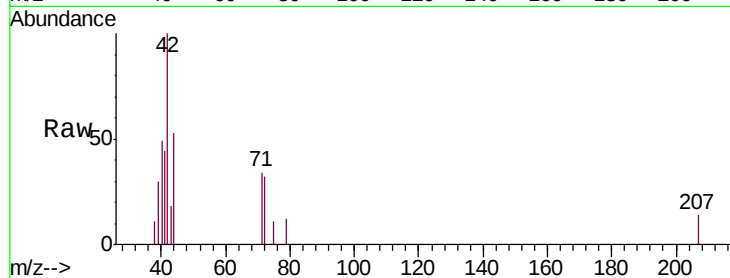
Tgt Ion: 42 Resp: 2039

Ion Ratio Lower Upper

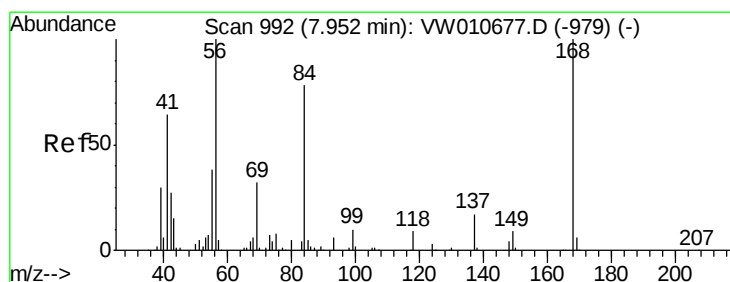
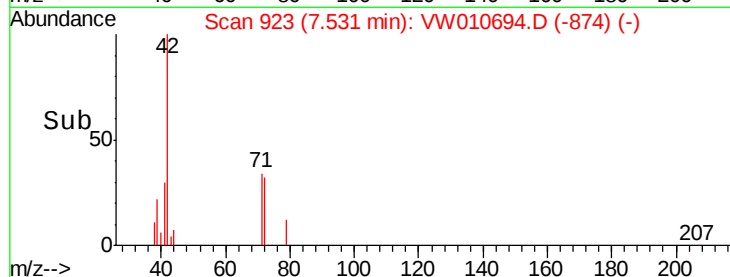
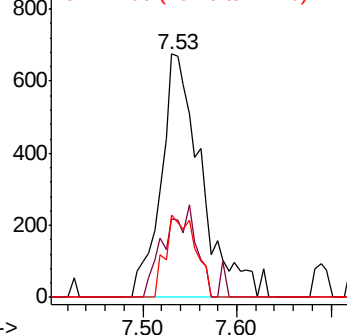
42 100

72 30.1 28.7 43.1

71 24.9 26.6 39.8#



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: 1.091 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW010694.D

Acq: 05 Jun 2019 16:05

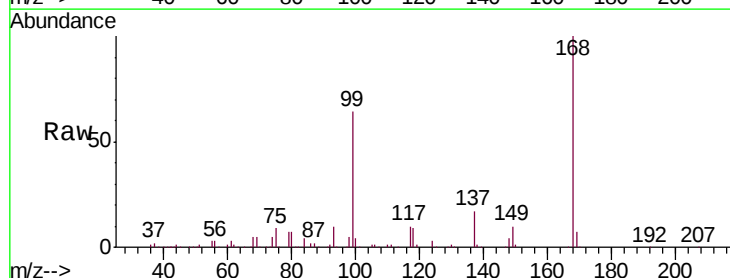
Tgt Ion: 56 Resp: 5749

Ion Ratio Lower Upper

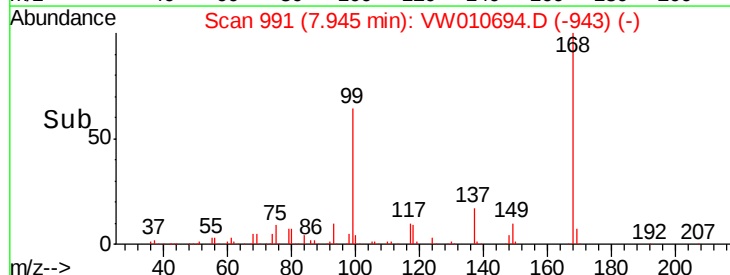
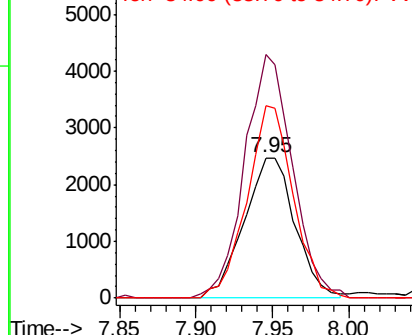
56 100

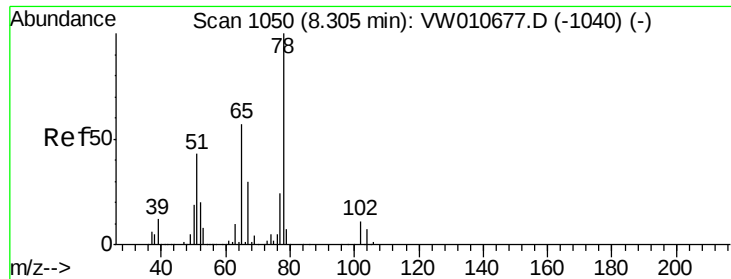
69 173.3 25.2 37.8#

84 137.3 62.2 93.2#



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

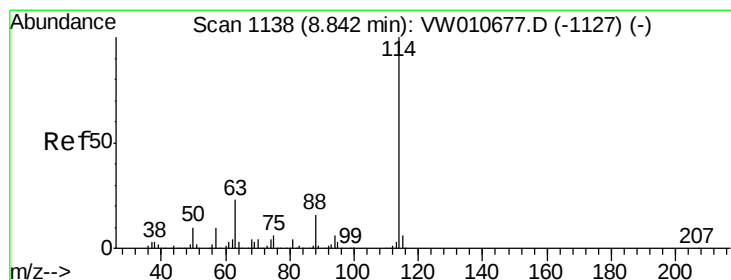
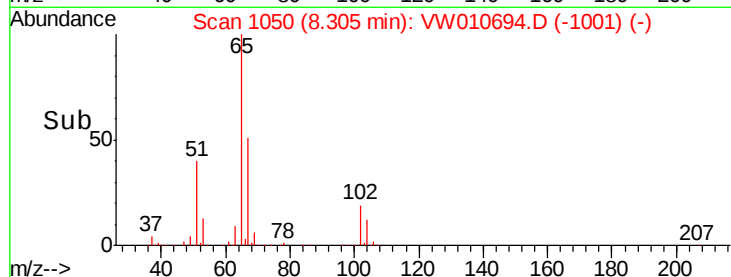
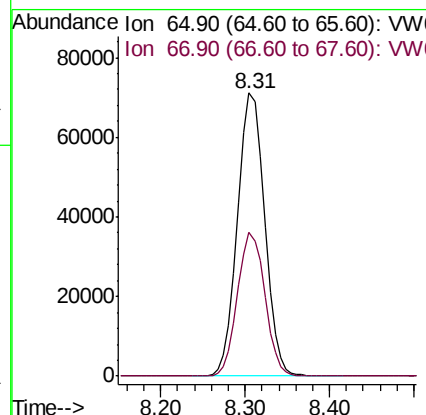
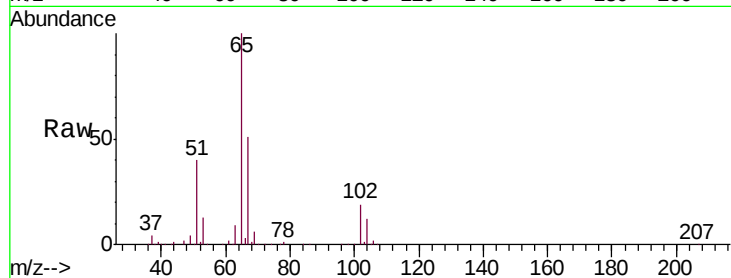




#33
 1,2-Dichloroethane-d4
 Concen: 59.509 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW010694.D
 Acq: 05 Jun 2019 16:05

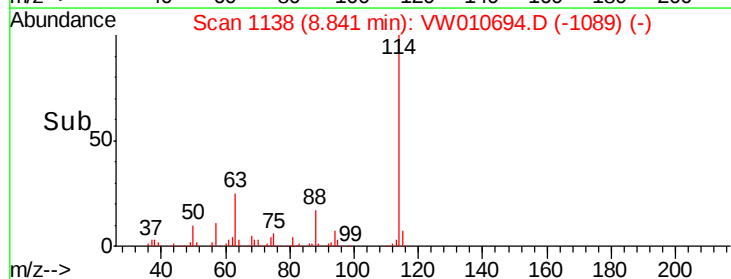
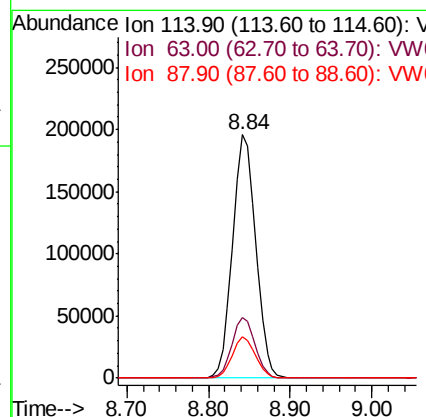
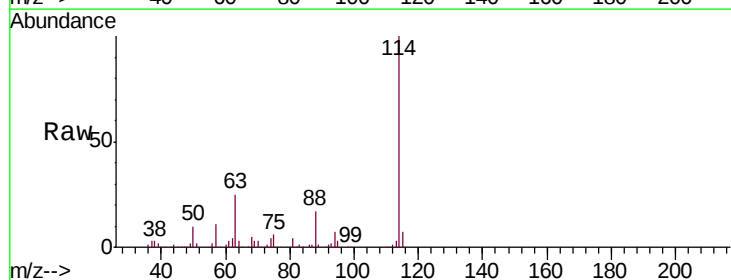
Instrument :
 MSVOA_W
 ClientSampleId :
 CLVR-AVEX-WC1A

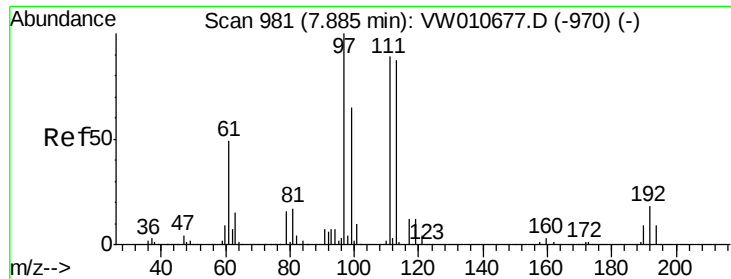
Tgt Ion: 65 Resp: 155439
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010694.D
 Acq: 05 Jun 2019 16:05

Tgt Ion: 114 Resp: 381633
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 46.4
 88 17.1 0.0 32.2

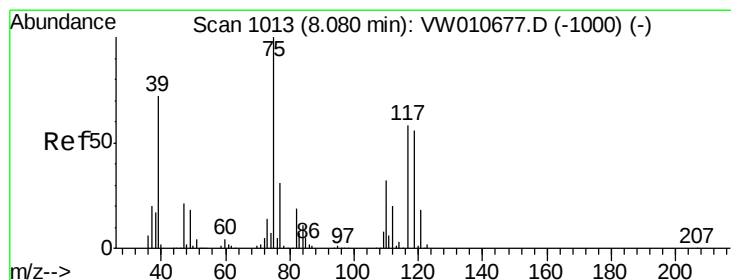
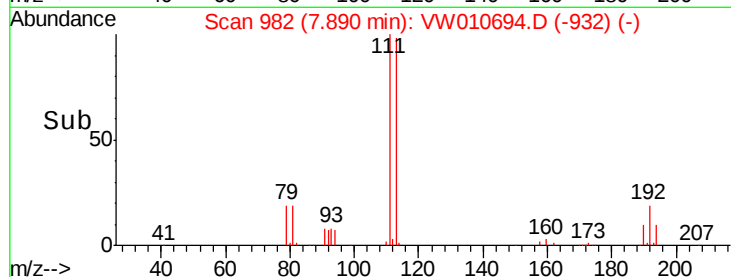
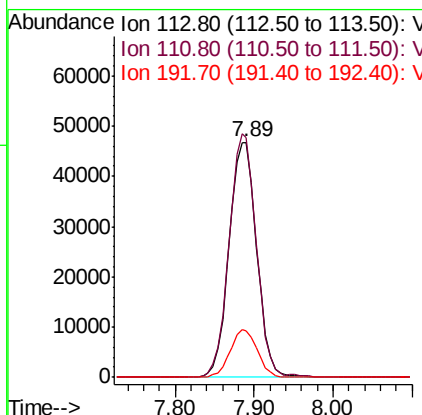
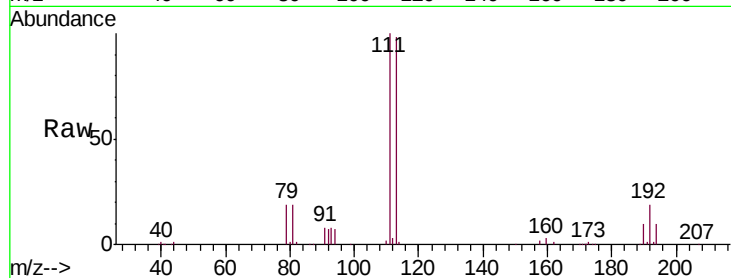




#35
 Dibromofluoromethane
 Concen: 54.816 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW010694.D
 Acq: 05 Jun 2019 16:05

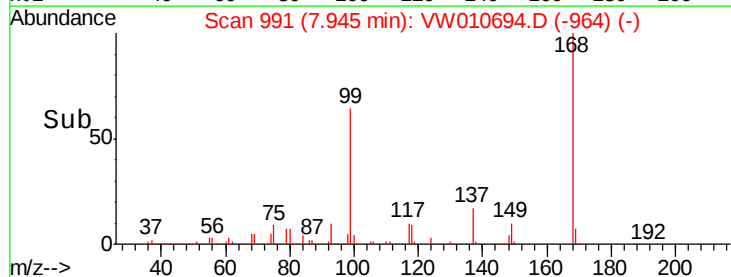
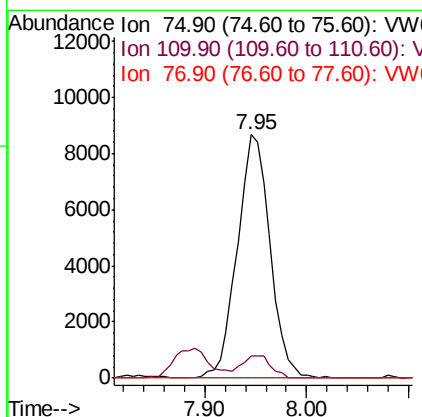
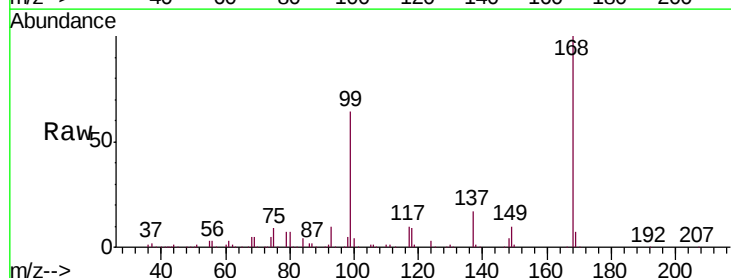
Instrument :
 MSVOA_W
 ClientSampleId :
 CLVR-AVEX-WC1A

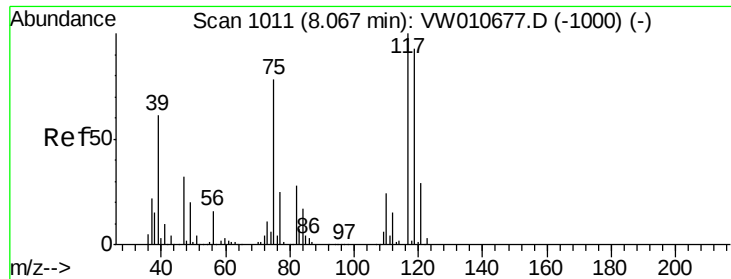
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	19.9	16.4	24.6



#36
 1,1-Dichloropropene
 Concen: 4.943 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010694.D
 Acq: 05 Jun 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	15.8	47.3#
77	0.0	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.503 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW010694.D

Acq: 05 Jun 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

CLVR-AVEX-WC1A

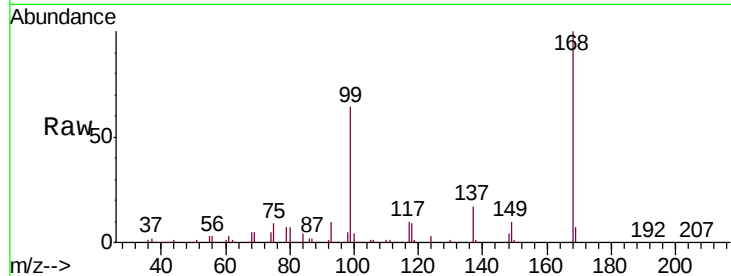
Tgt Ion:117 Resp: 21930

Ion Ratio Lower Upper

117 100

119 5.1 74.2 111.4#

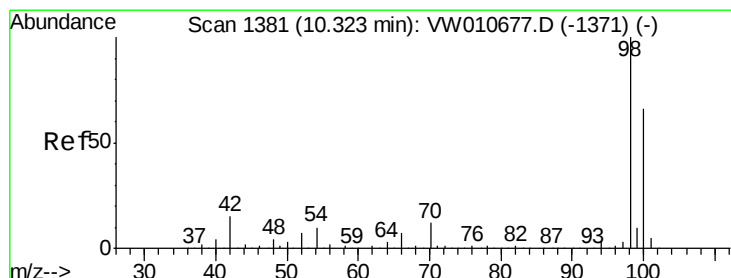
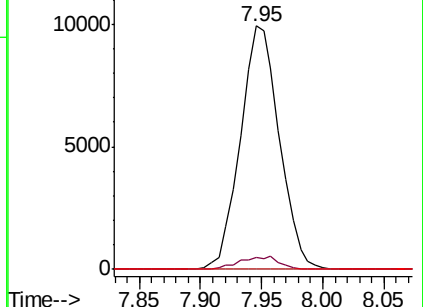
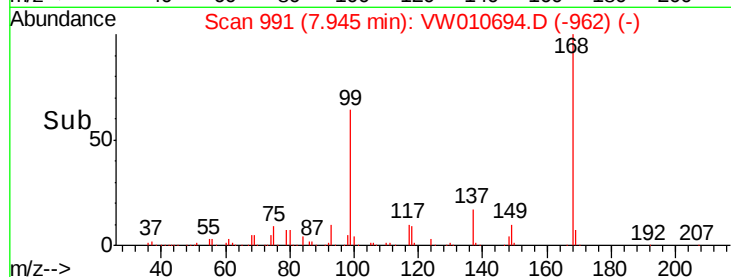
121 0.0 22.9 34.3#



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: 54.845 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010694.D

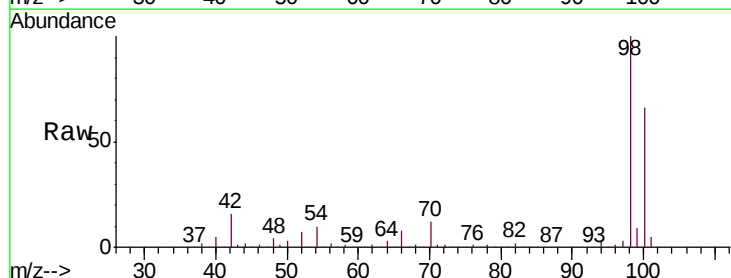
Acq: 05 Jun 2019 16:05

Tgt Ion: 98 Resp: 498183

Ion Ratio Lower Upper

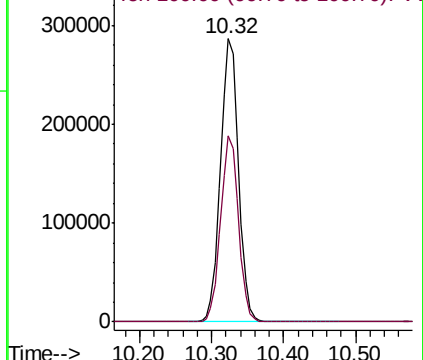
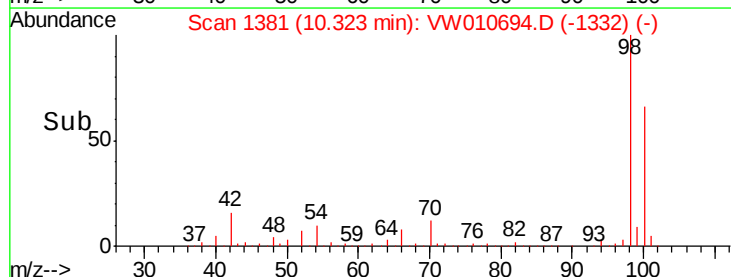
98 100

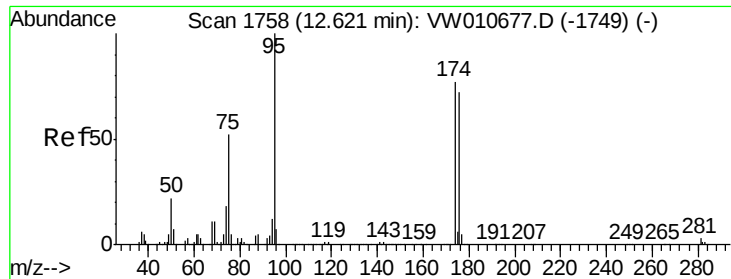
100 65.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.969 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010694.D

Acq: 05 Jun 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

CLVR-AVEX-WC1A

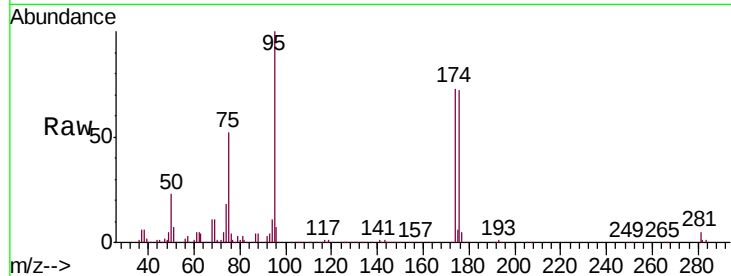
Tgt Ion: 95 Resp: 178385

Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

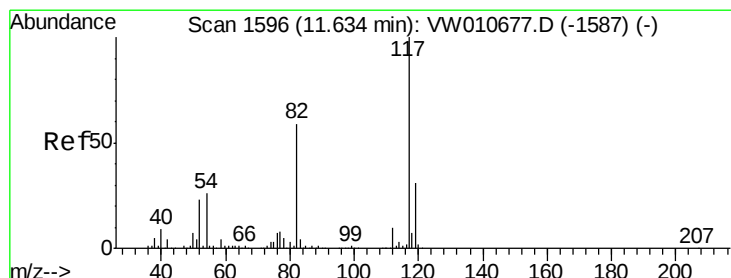
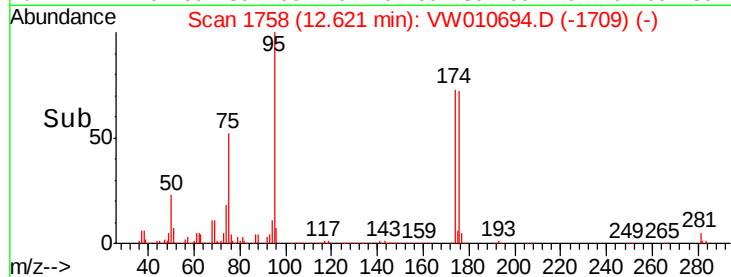
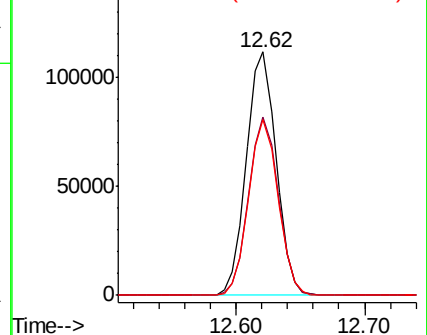
176 71.5 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW010694.D

Acq: 05 Jun 2019 16:05

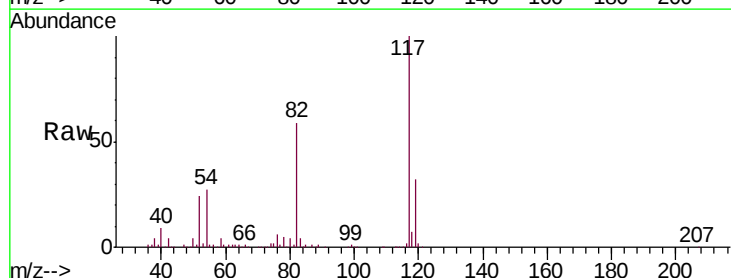
Tgt Ion: 117 Resp: 338333

Ion Ratio Lower Upper

117 100

82 58.9 47.0 70.4

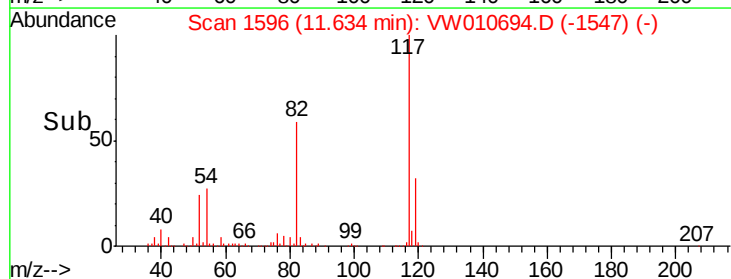
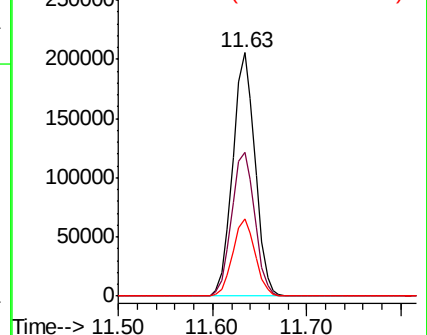
119 31.6 25.1 37.7

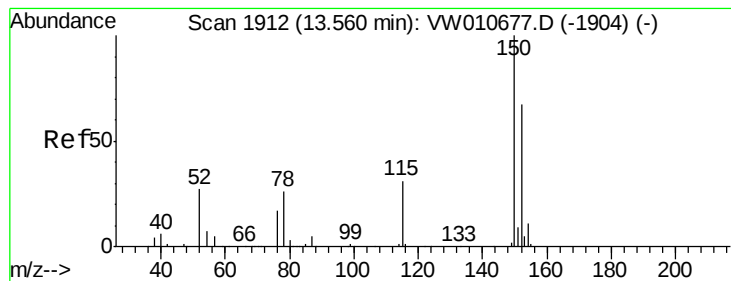


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010694.D

Acq: 05 Jun 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

CLVR-AVEX-WC1A

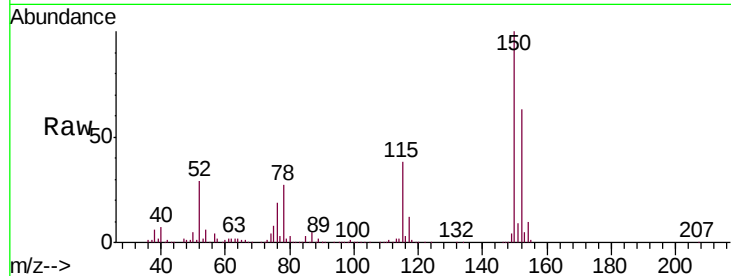
Tgt Ion:152 Resp: 154312

Ion Ratio Lower Upper

152 100

115 60.4 29.8 89.3

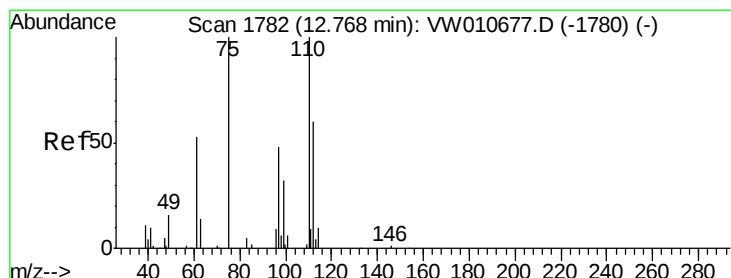
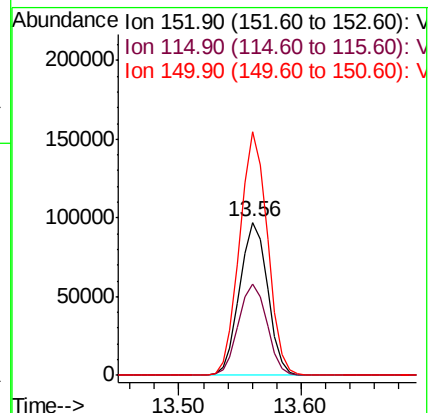
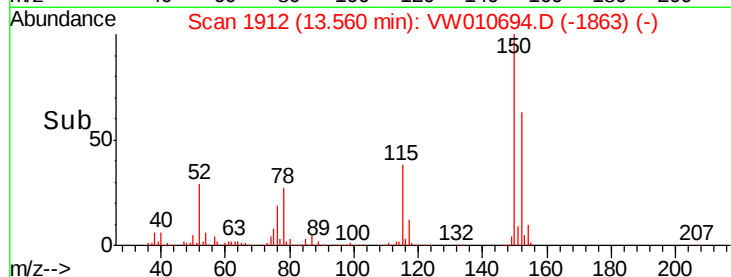
150 157.2 0.0 345.0



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: 59.456 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010694.D

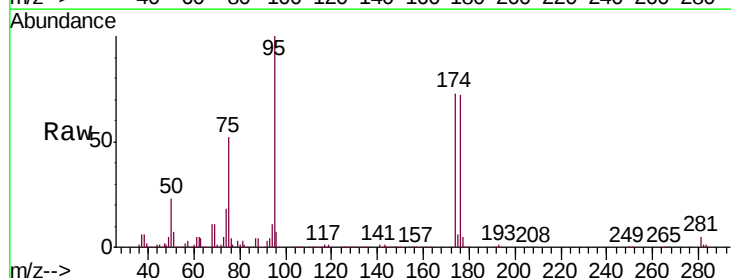
Acq: 05 Jun 2019 16:05

Tgt Ion: 75 Resp: 96348

Ion Ratio Lower Upper

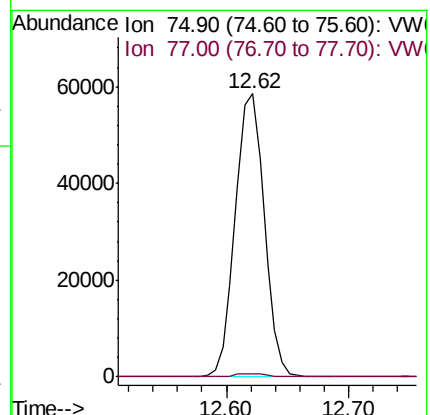
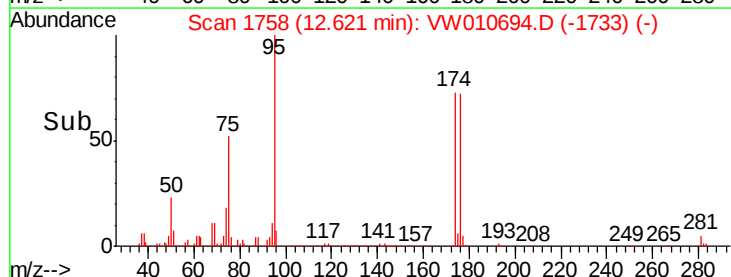
75 100

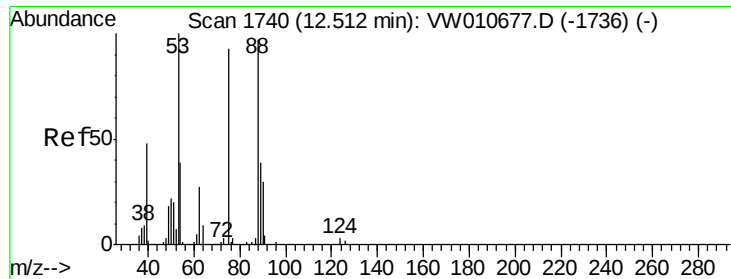
77 1.3 0.0 0.0#



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: 136.650 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010694.D

Acq: 05 Jun 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

CLVR-AVEX-WC1A

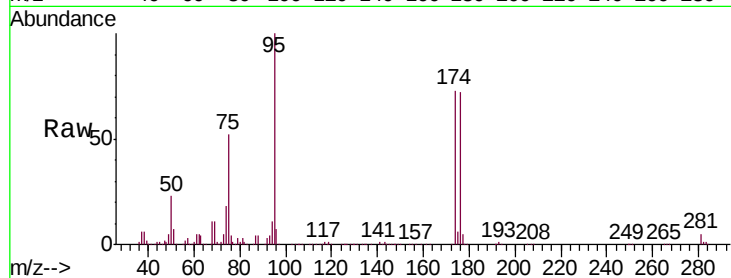
Tgt Ion: 75 Resp: 96348

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.1 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

