

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120518\
 Data File : VW007247.D
 Acq On : 05 Dec 2018 22:10
 Operator : SY/AP
 Sample : J6231-01
 Misc : 7.7G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0485

Quant Time: Dec 06 06:23:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	104858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	167347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	148783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	71396	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	38674	39.61	ug/l	0.00
Spiked Amount			Recovery	=	79.22%	
35) Dibromofluoromethane	7.89	113	36883	38.49	ug/l	0.00
Spiked Amount			Recovery	=	76.98%	
50) Toluene-d8	10.33	98	153366	36.33	ug/l	0.00
Spiked Amount			Recovery	=	72.66%	
62) 4-Bromofluorobenzene	12.62	95	55843	35.05	ug/l	0.00
Spiked Amount			Recovery	=	70.10%	

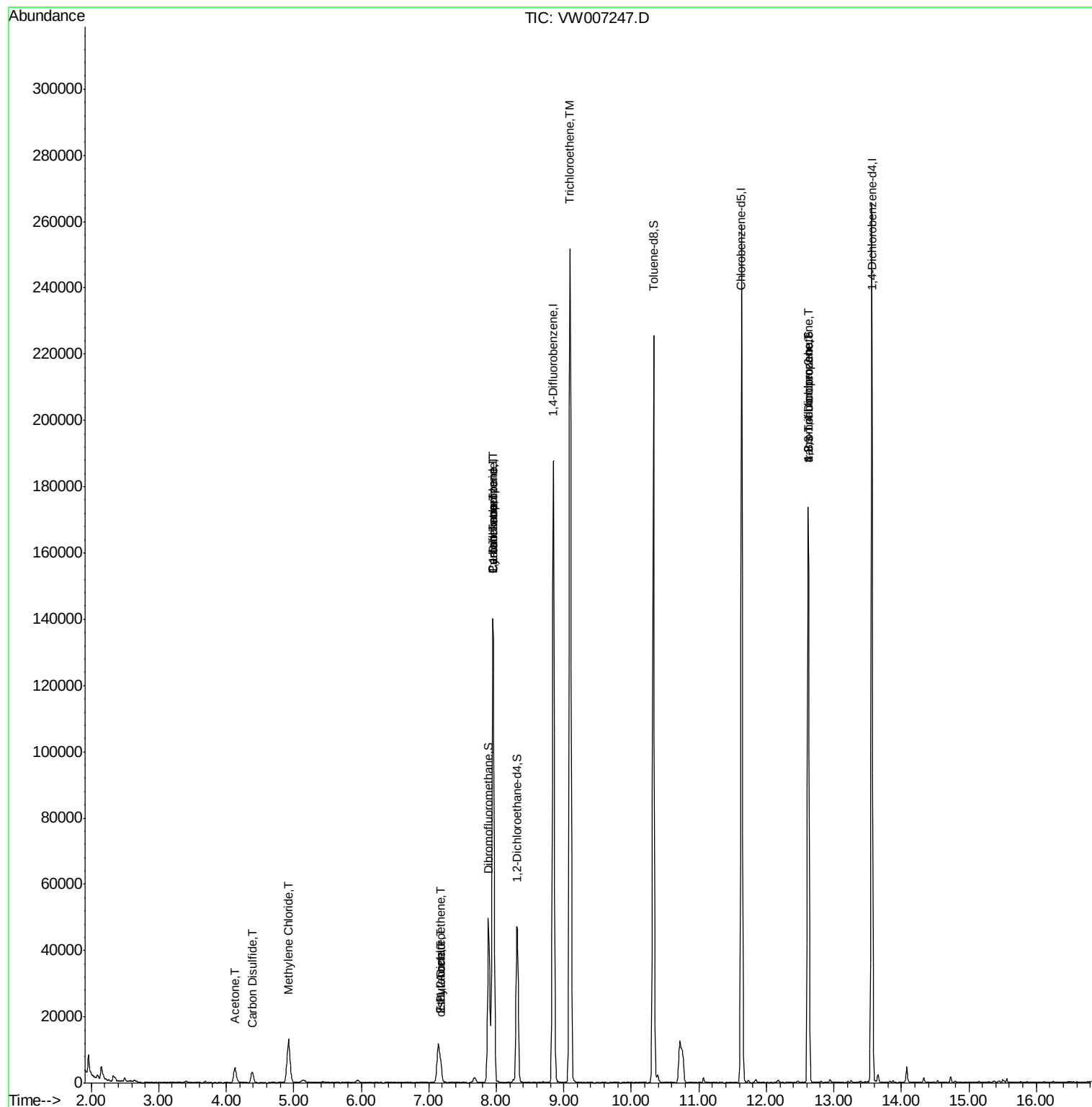
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	801	Below Cal	#	75
16) Acetone	4.13	43	8387	36.289	ug/l	100
17) Carbon Disulfide	4.38	76	6148	1.858	ug/l	98
20) Methylene Chloride	4.92	84	10618	4.362	ug/l #	93
25) 2-Butanone	7.18	43	1361	5.080	ug/l	94
27) cis-1,2-Dichloroethene	7.18	96	2977	2.477	ug/l	99
31) Cyclohexane	7.95	56	2448	1.264	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	7778	4.777	ug/l #	50
37) Ethyl Acetate	7.18	43	1361	2.311	ug/l #	1
38) Carbon Tetrachloride	7.95	117	10909	6.564	ug/l #	18
44) Trichloroethene	9.09	130	92797	73.937	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	28033	50.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	28033	109.295	ug/l #	13

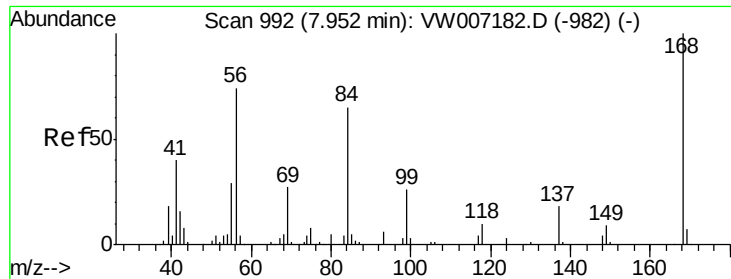
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW007247.D

Acq: 05 Dec 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

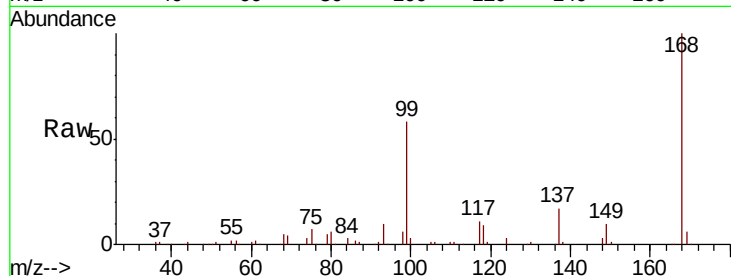
S49-0485

Tot Ion:168 Resp: 104858

Ion Ratio Lower Upper

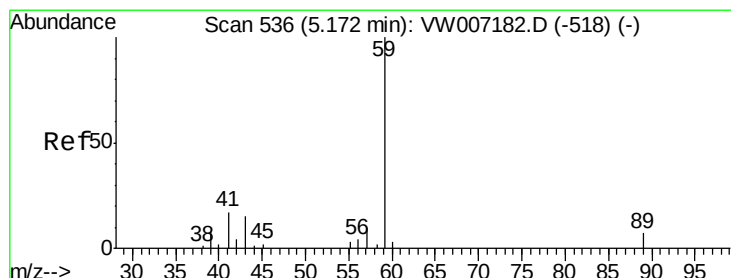
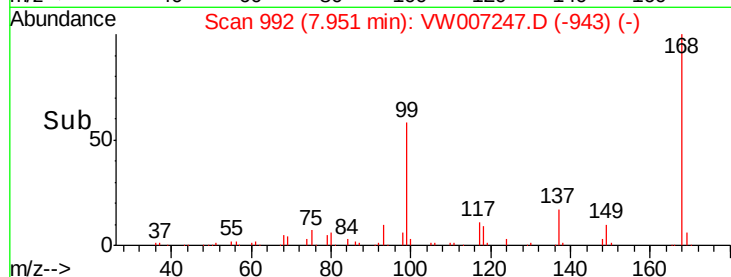
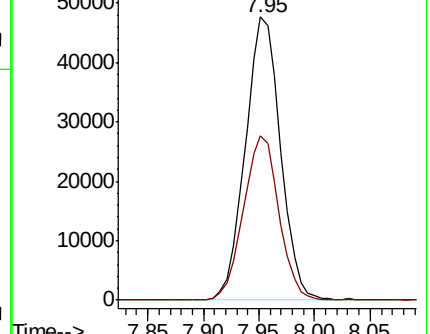
168 100

99 58.0 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.13 min Scan# 530

Delta R.T. -0.04 min

Lab File: VW007247.D

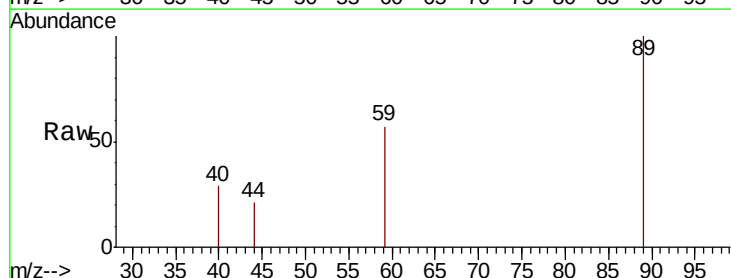
Acq: 05 Dec 2018 22:10

Tgt Ion: 59 Resp: 801

Ion Ratio Lower Upper

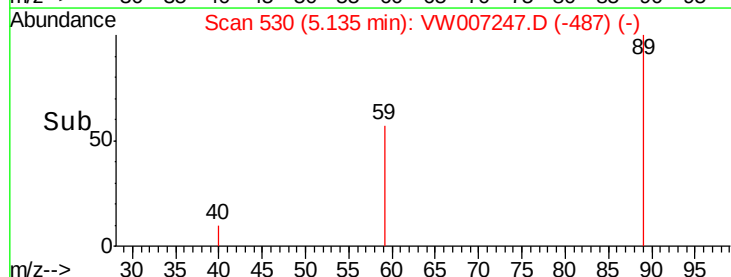
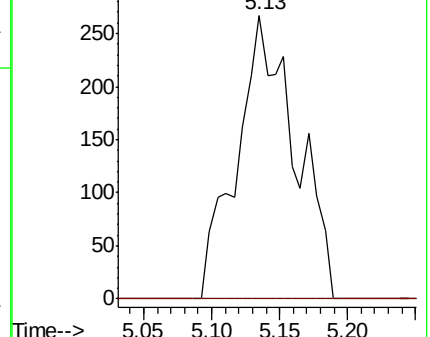
59 100

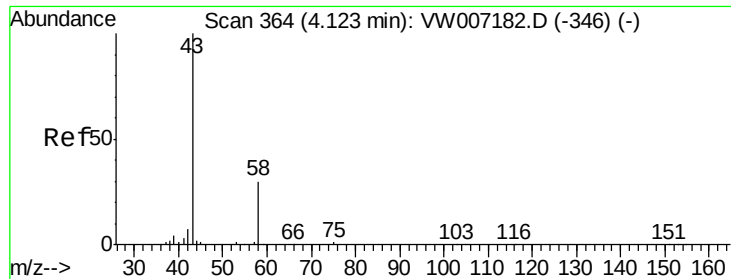
57 0.0 7.1 10.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 36.289 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007247.D

Acq: 05 Dec 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

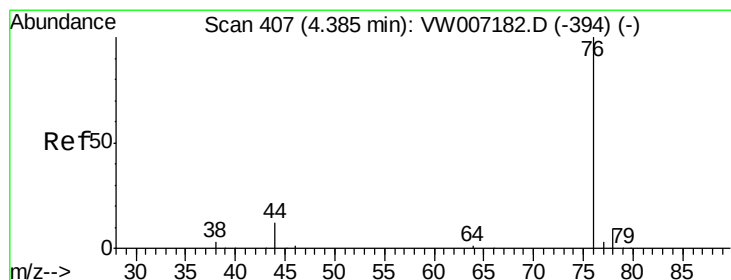
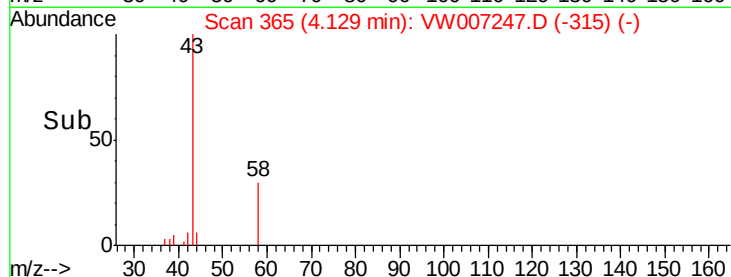
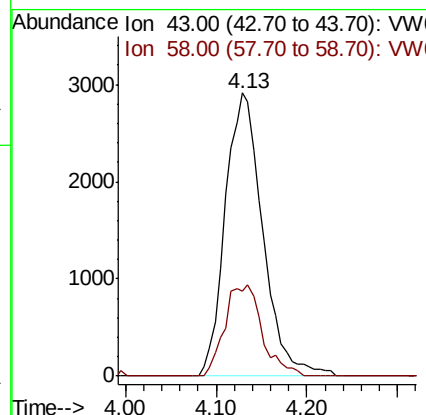
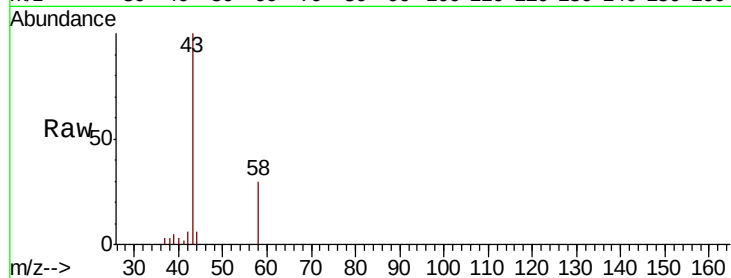
S49-0485

Tot Ion: 43 Resp: 8387

Ion Ratio Lower Upper

43 100

58 29.9 23.8 35.8



#17

Carbon Disulfide

Concen: 1.858 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW007247.D

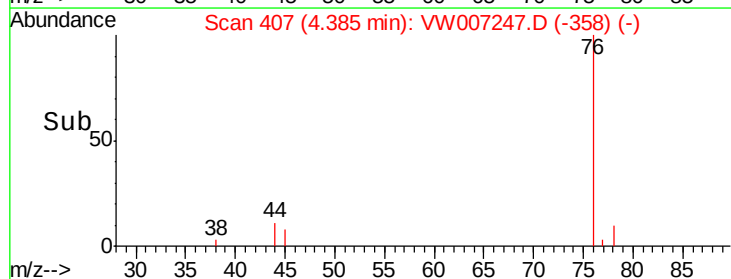
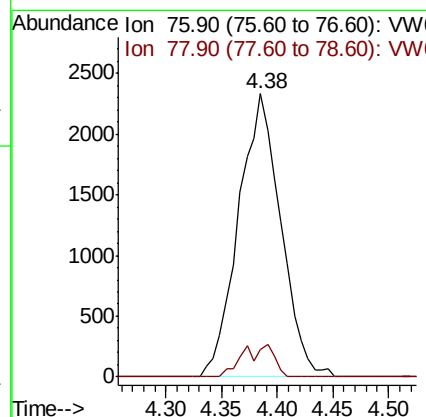
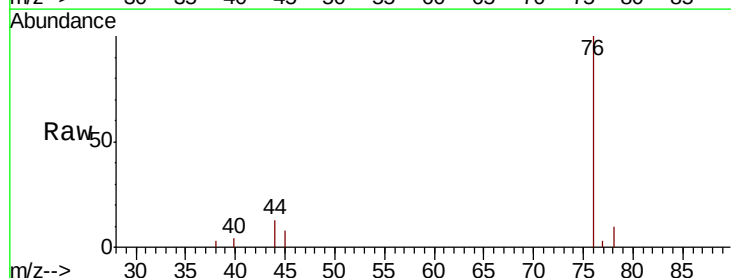
Acq: 05 Dec 2018 22:10

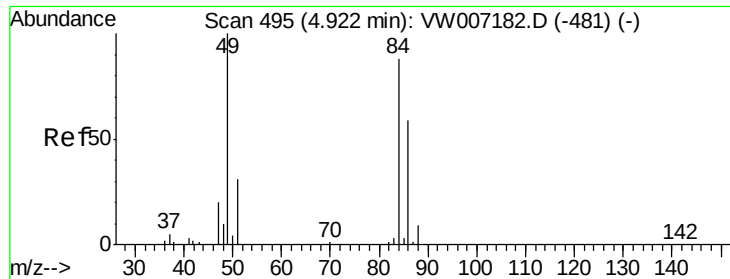
Tgt Ion: 76 Resp: 6148

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

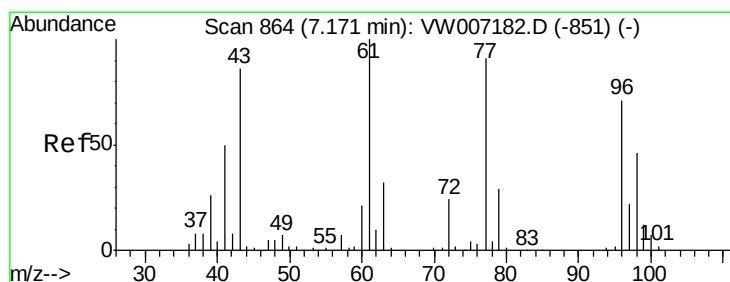
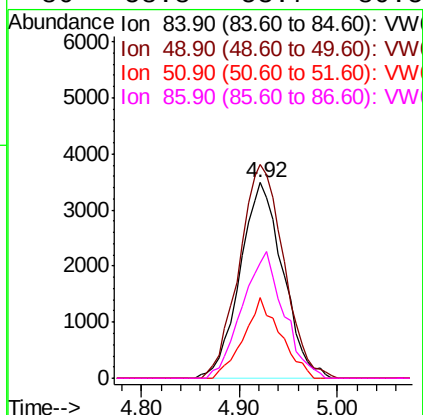
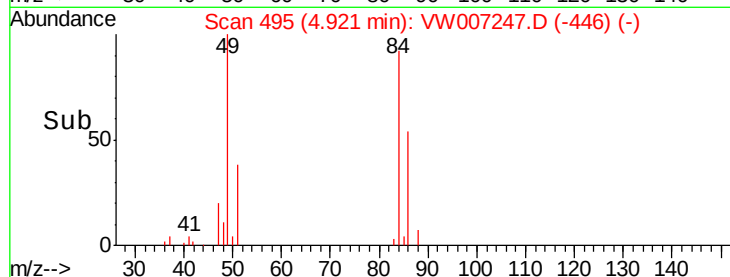
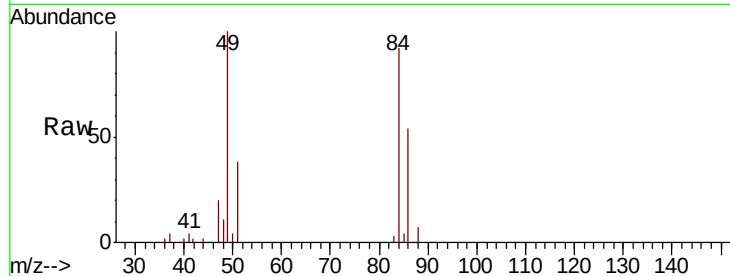




#20
Methylene Chloride
Concen: 4.362 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007247.D
Acq: 05 Dec 2018 22:10

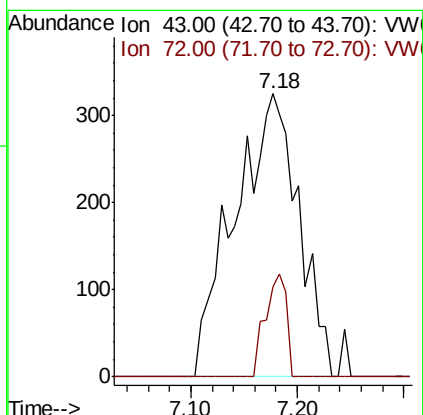
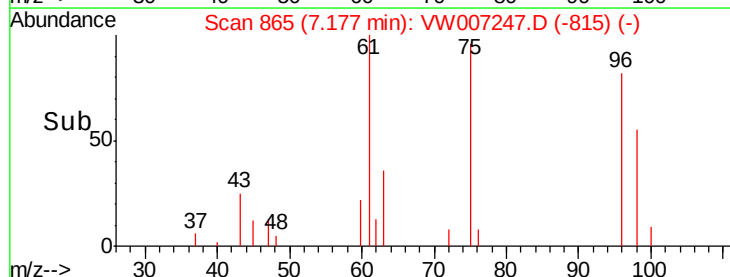
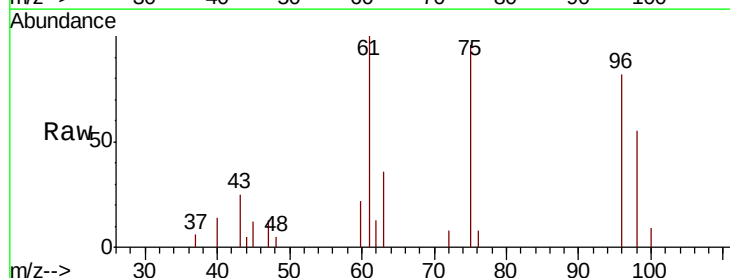
Instrument :
MSVOA_W
ClientSampleId :
S49-0485

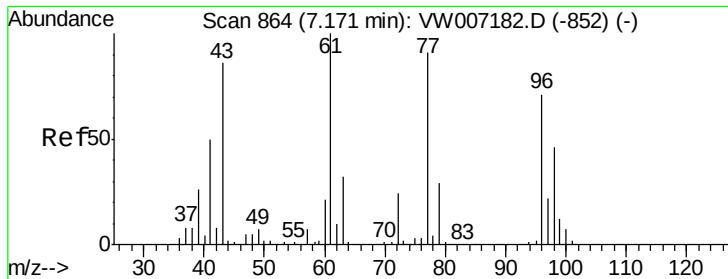
Tot Ion: 84 Resp: 10618
Ion Ratio Lower Upper
84 100
49 109.2 90.6 135.8
51 41.4 27.6 41.4#
86 58.8 53.7 80.5



#25
2-Butanone
Concen: 5.080 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007247.D
Acq: 05 Dec 2018 22:10

Tgt Ion: 43 Resp: 1361
Ion Ratio Lower Upper
43 100
72 31.7 22.8 34.2



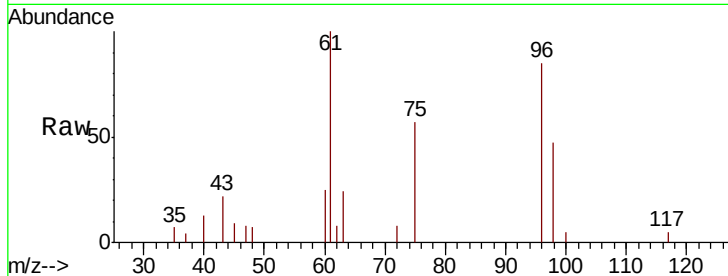


#27

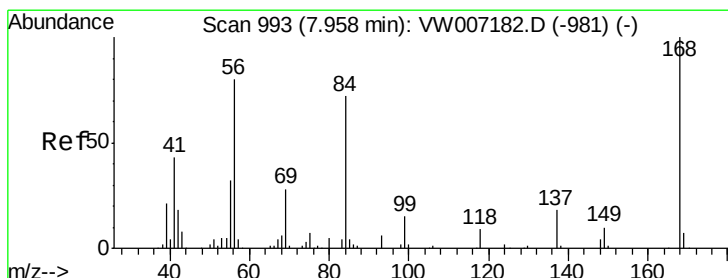
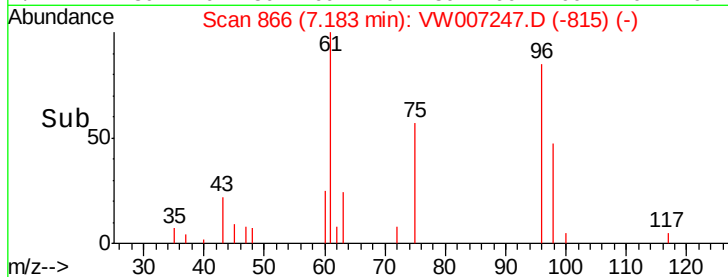
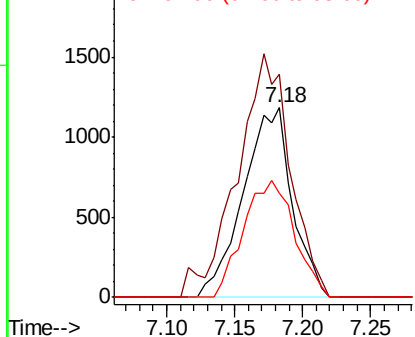
cis-1,2-Dichloroethene
 Concen: 2.477 ug/l
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW007247.D
 Acq: 05 Dec 2018 22:10

Instrument :
 MSVOA_W
 ClientSampled :
 S49-0485

Tot Ion: 96 Resp: 2977
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 282.4
 98 64.0 0.0 129.8



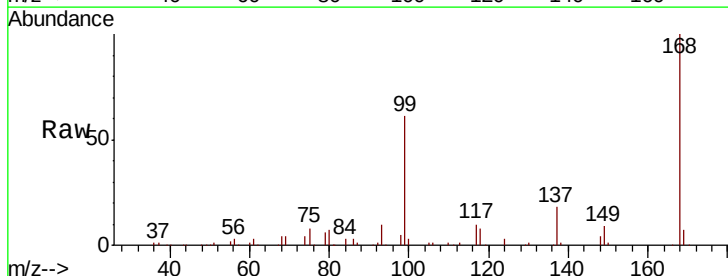
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



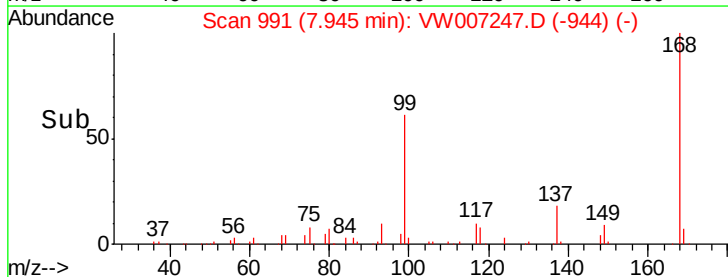
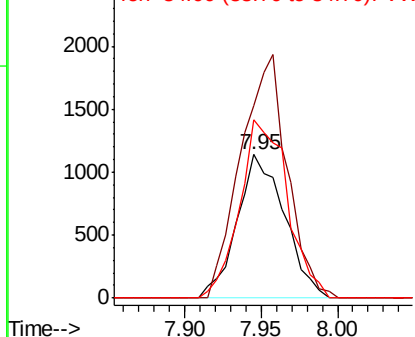
#31

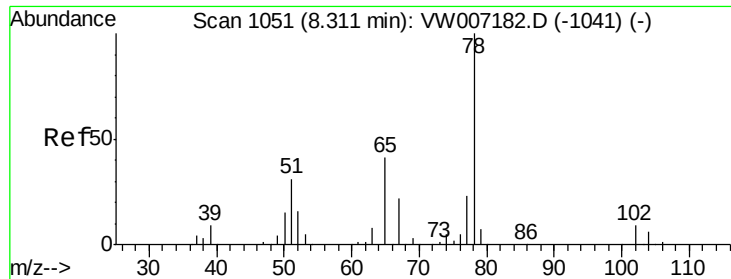
Cyclohexane
 Concen: 1.264 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VW007247.D
 Acq: 05 Dec 2018 22:10

Tgt Ion: 56 Resp: 2448
 Ion Ratio Lower Upper
 56 100
 69 134.2 28.2 42.2#
 84 124.6 72.1 108.1#



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

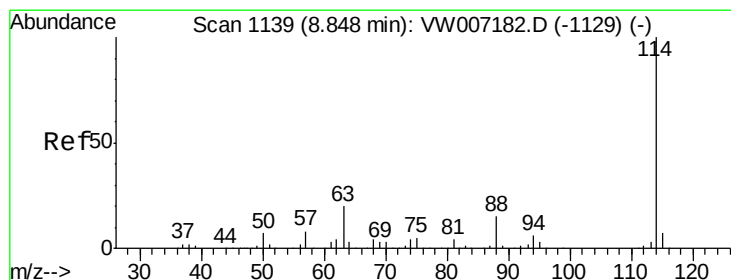
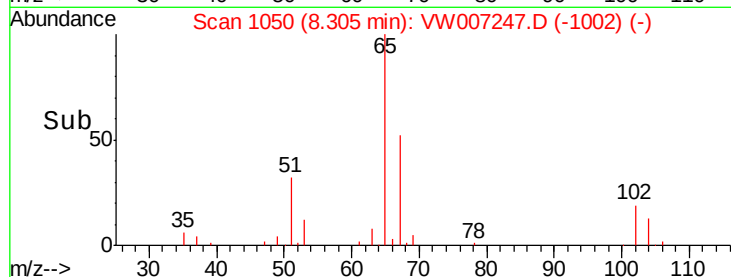
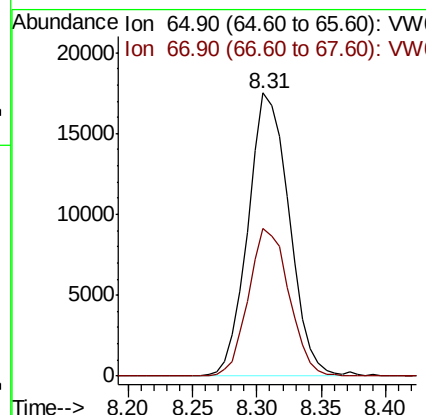
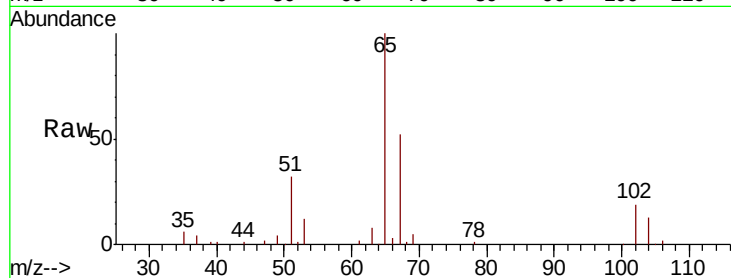




#33
 1,2-Dichloroethane-d4
 Concen: 39.614 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007247.D
 Acq: 05 Dec 2018 22:10

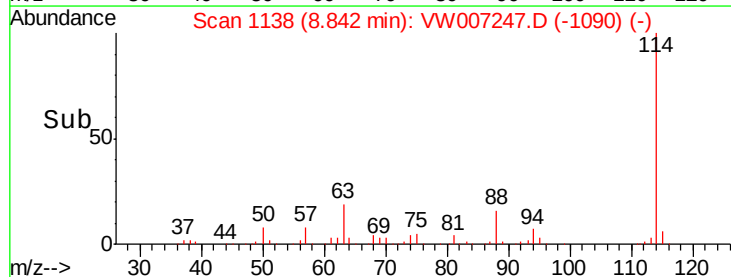
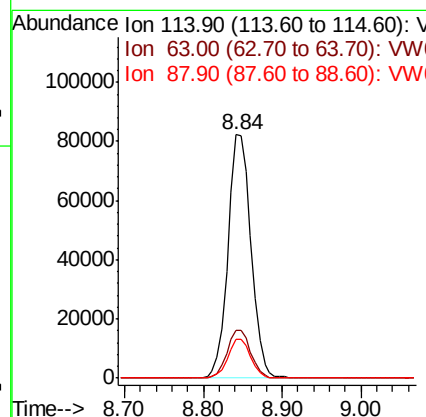
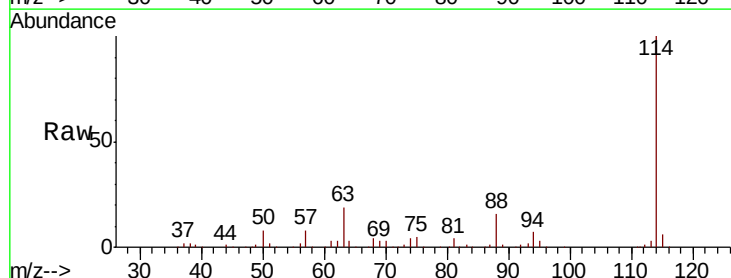
Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0485

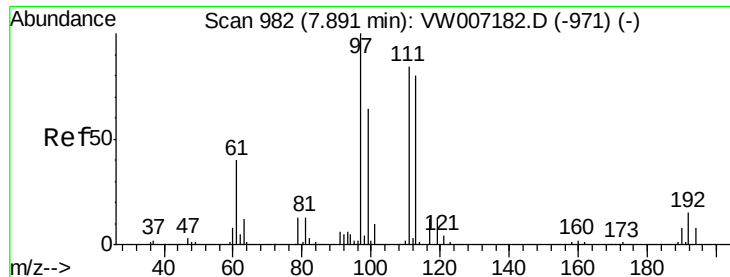
Tot Ion: 65 Resp: 38674
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007247.D
 Acq: 05 Dec 2018 22:10

Tgt Ion: 114 Resp: 167347
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 40.2
 88 15.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 38.491 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW007247.D

Acq: 05 Dec 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

S49-0485

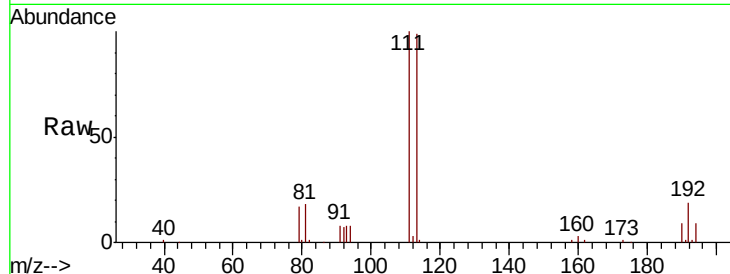
Tot Ion:113 Resp: 36883

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

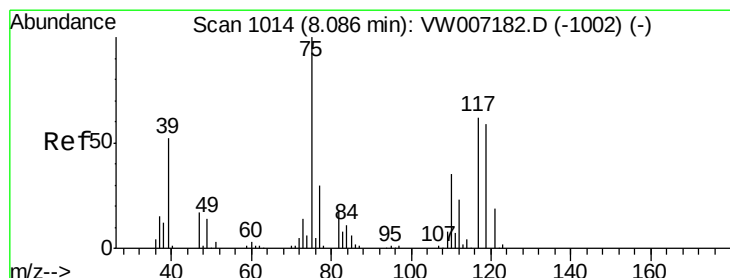
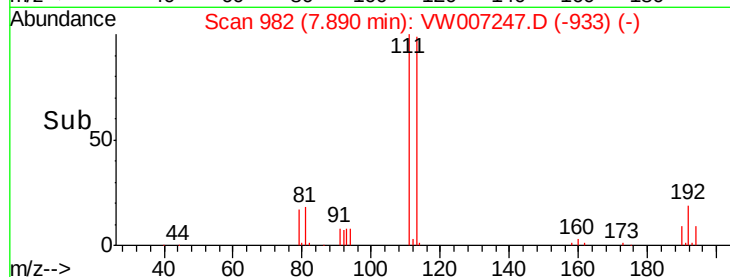
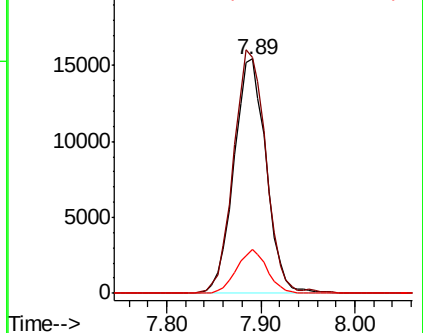
192 17.7 14.4 21.6



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: 4.777 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW007247.D

Acq: 05 Dec 2018 22:10

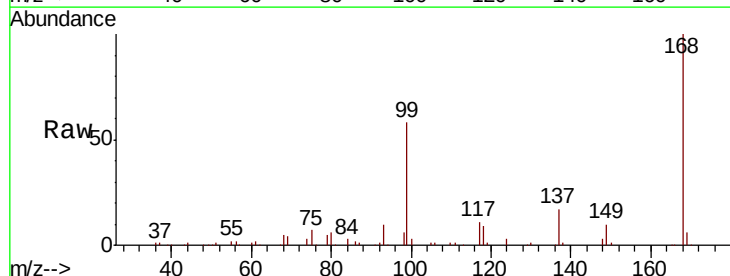
Tgt Ion: 75 Resp: 7778

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.9#

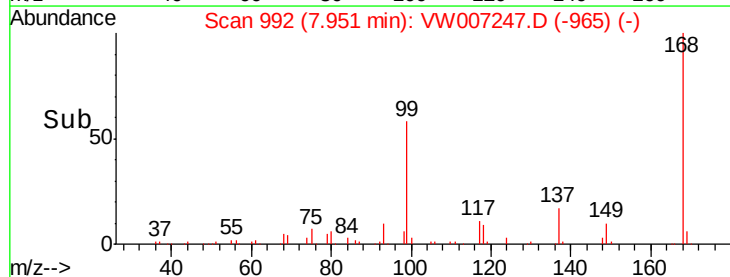
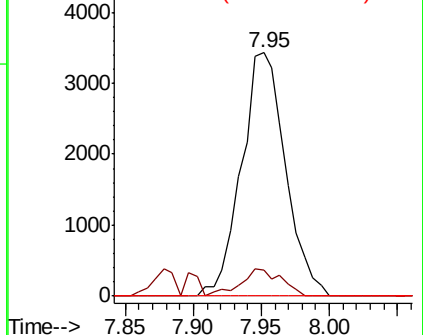
77 0.0 24.9 37.3#

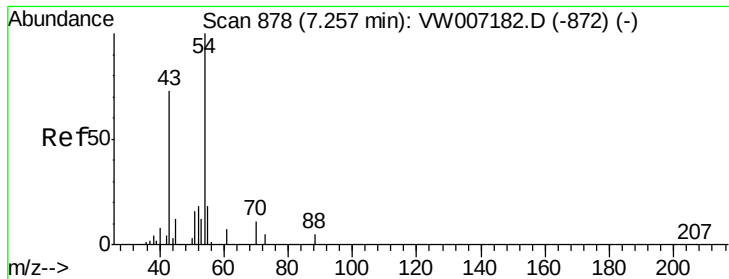


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 2.311 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.08 min

Lab File: VW007247.D

Acq: 05 Dec 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

S49-0485

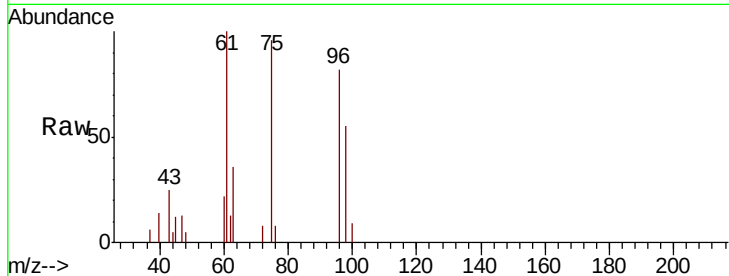
Tot Ion: 43 Resp: 1361

Ion Ratio Lower Upper

43 100

61 304.8 12.1 18.1#

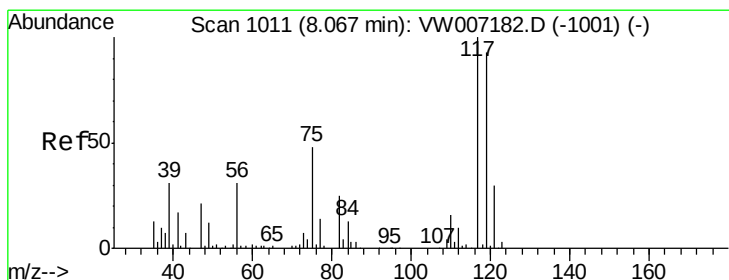
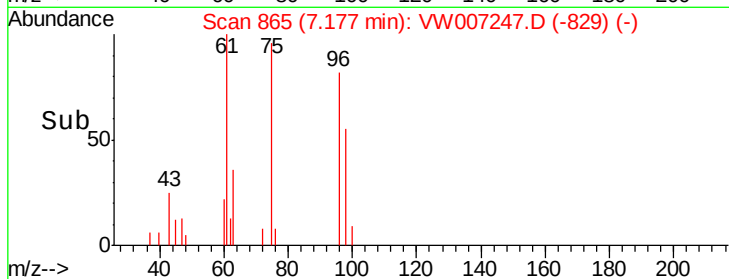
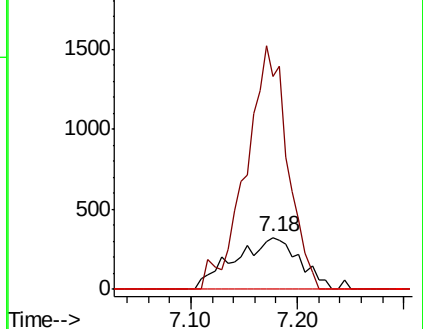
70 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.564 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007247.D

Acq: 05 Dec 2018 22:10

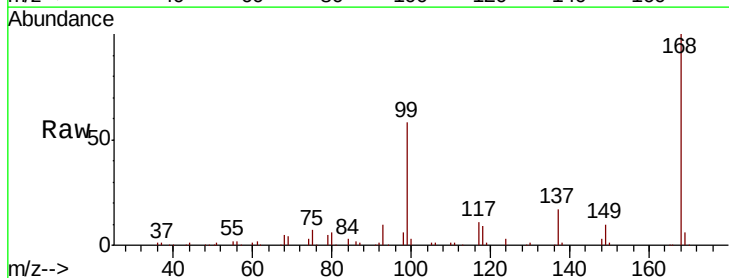
Tgt Ion: 117 Resp: 10909

Ion Ratio Lower Upper

117 100

119 5.8 74.1 111.1#

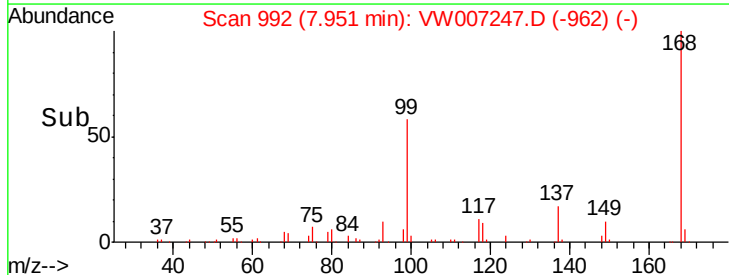
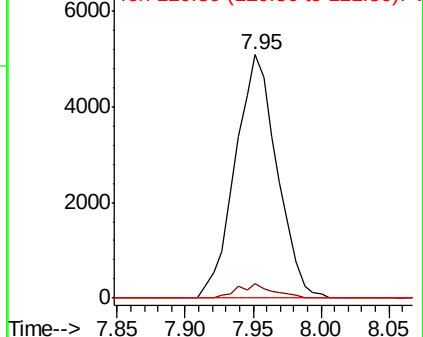
121 0.0 23.9 35.9#

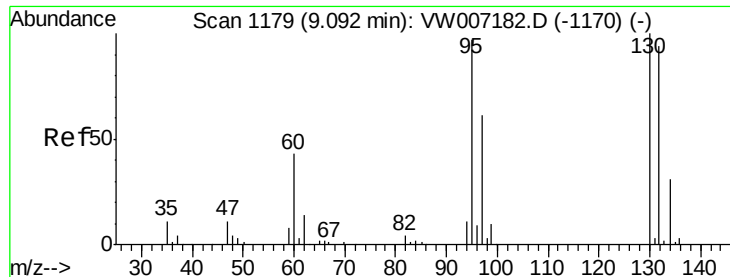


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 73.937 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007247.D

Acq: 05 Dec 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

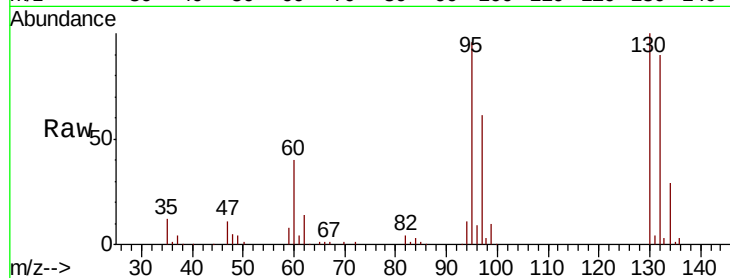
S49-0485

Tot Ion:130 Resp: 92797

Ion Ratio Lower Upper

130 100

95 96.4 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

50000

40000

30000

20000

10000

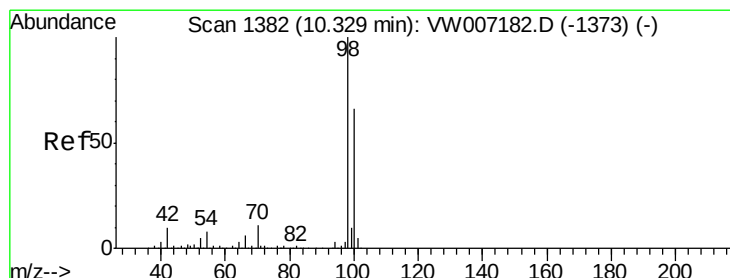
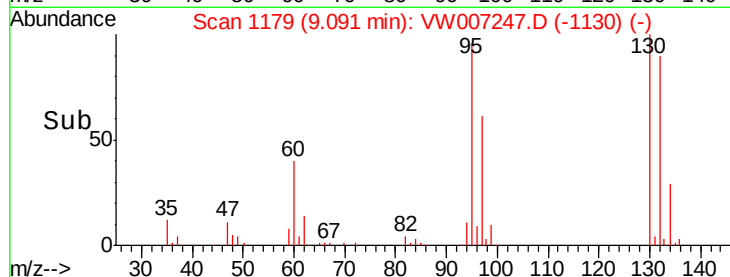
0

Time-->

9.00

9.10

9.20



#50

Toluene-d8

Concen: 36.334 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW007247.D

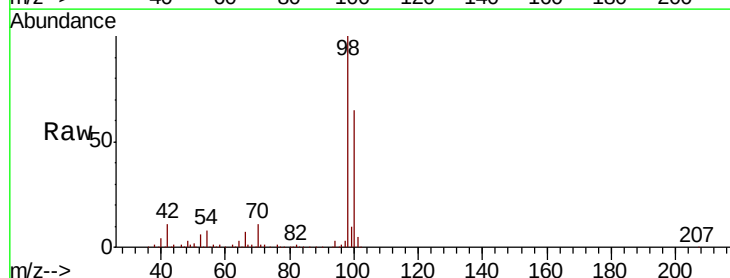
Acq: 05 Dec 2018 22:10

Tgt Ion: 98 Resp: 153366

Ion Ratio Lower Upper

98 100

100 63.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

100000

80000

60000

40000

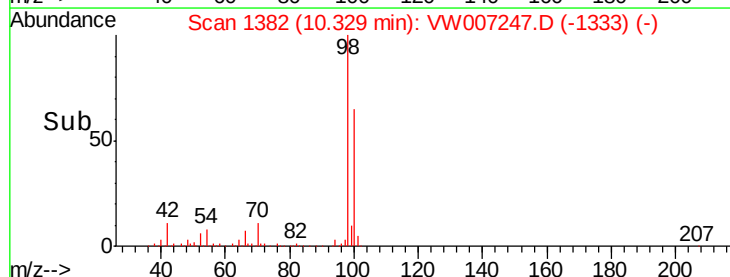
20000

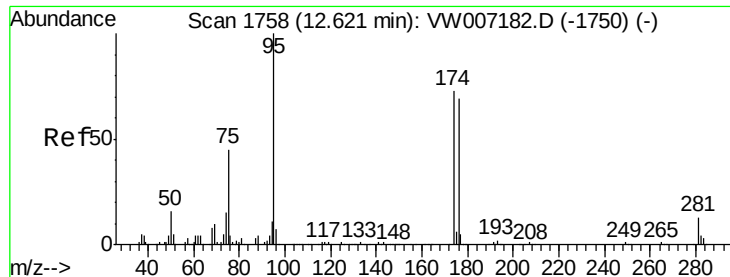
0

Time-->

10.30

10.40

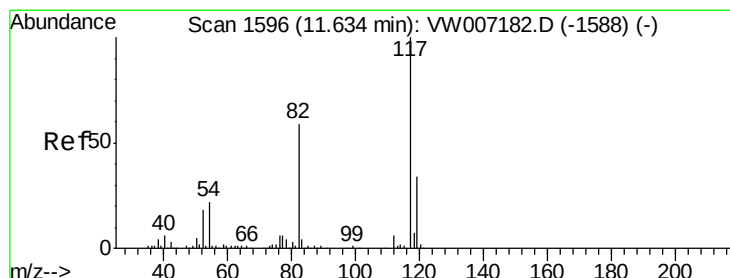
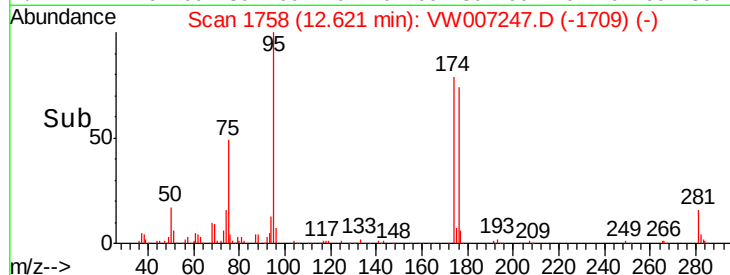
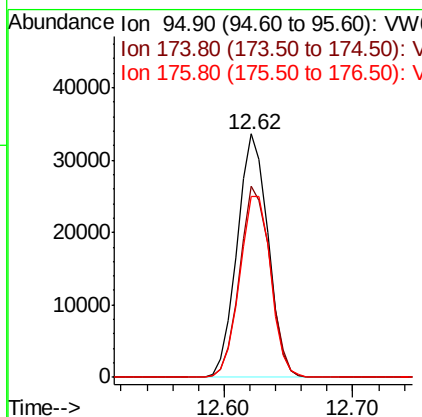
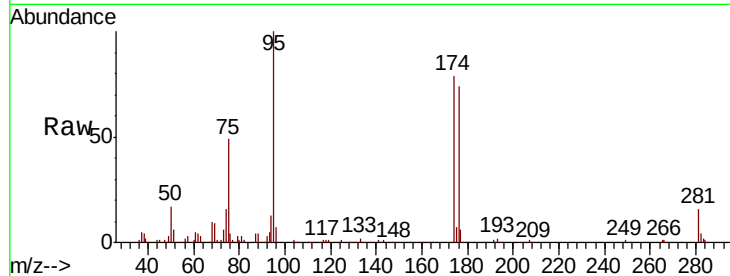




#62
4-Bromofluorobenzene
Concen: 35.051 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007247.D
Acq: 05 Dec 2018 22:10

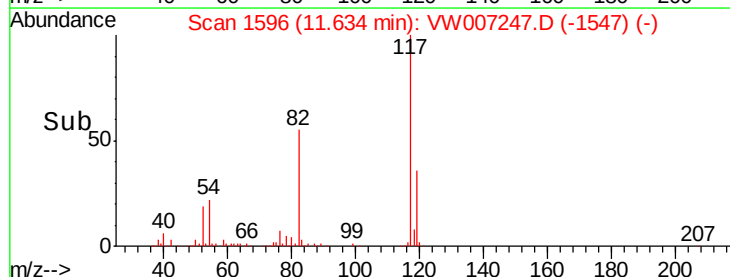
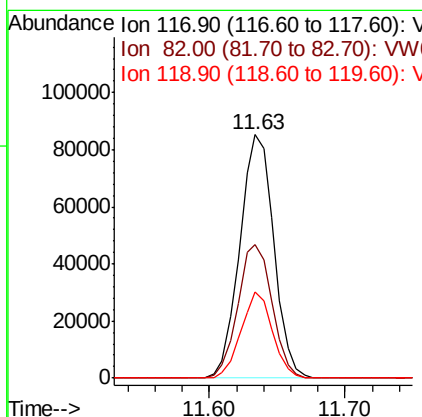
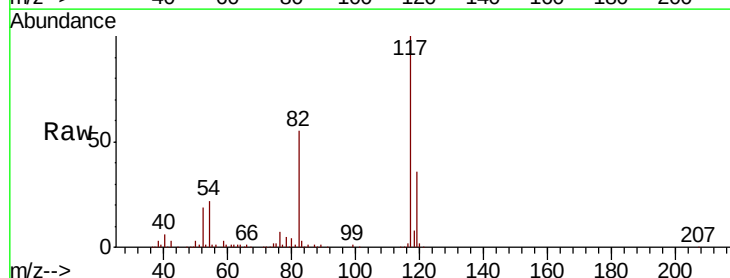
Instrument :
MSVOA_W
ClientSampleId :
S49-0485

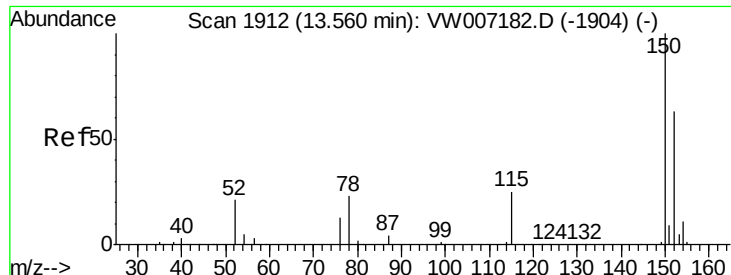
Tot Ion: 95 Resp: 55843
Ion Ratio Lower Upper
95 100
174 77.6 0.0 148.0
176 74.9 0.0 139.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007247.D
Acq: 05 Dec 2018 22:10

Tgt Ion: 117 Resp: 148783
Ion Ratio Lower Upper
117 100
82 54.9 47.4 71.2
119 35.5 26.8 40.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007247.D

Acq: 05 Dec 2018 22:10

Instrument :

MSVOA_W

ClientSampleId :

S49-0485

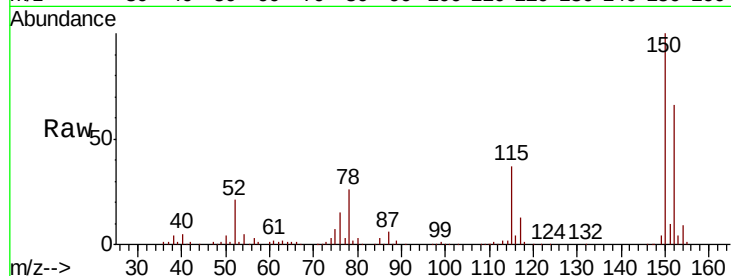
Tot Ion:152 Resp: 71396

Ion Ratio Lower Upper

152 100

115 59.3 31.3 93.8

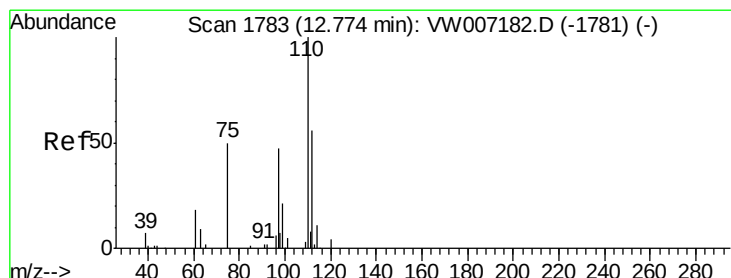
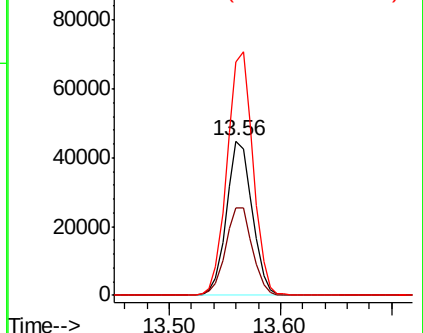
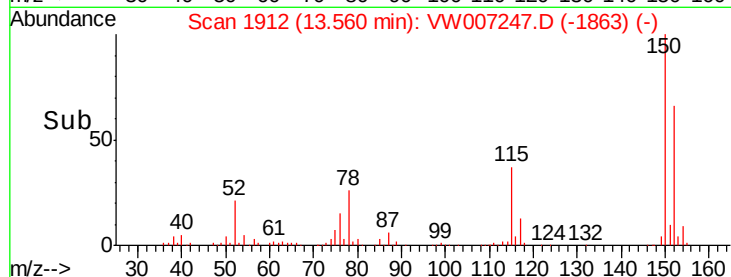
150 159.4 0.0 358.0



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: 50.709 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007247.D

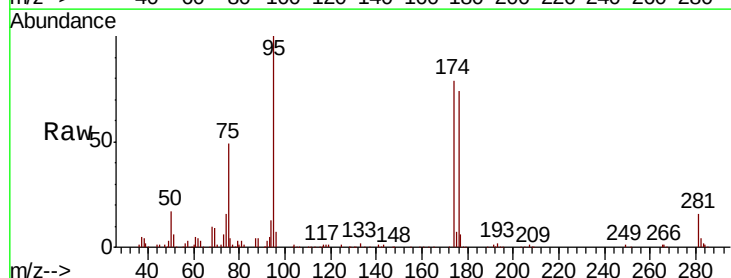
Acq: 05 Dec 2018 22:10

Tgt Ion: 75 Resp: 28033

Ion Ratio Lower Upper

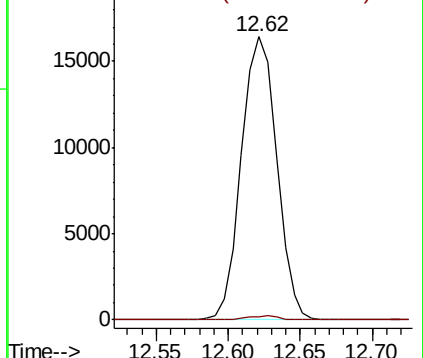
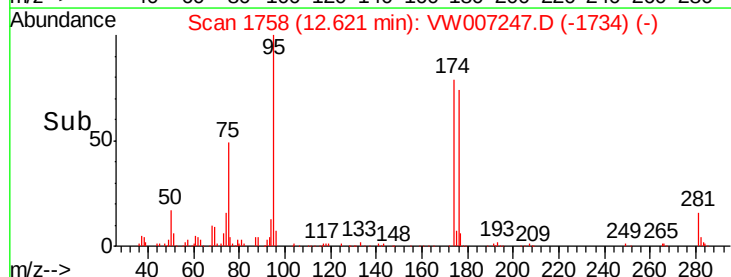
75 100

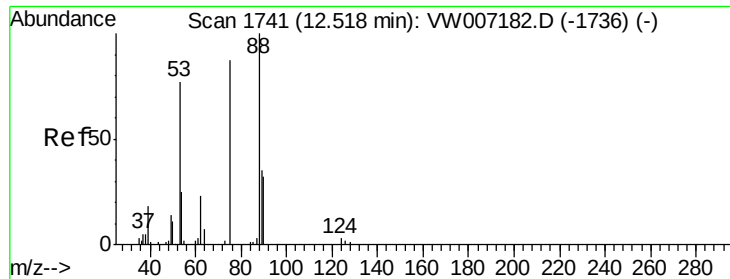
77 1.2 0.0 0.0#



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: 109.295 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW007247.D
 Acq: 05 Dec 2018 22:10

Instrument :
 MSVOA_W
 ClientSampleId :
 S49-0485

Tot Ion: 75 Resp: 28033
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.0 36.4 54.6#

