

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121618\
 Data File : VW007491.D
 Acq On : 13 Dec 2018 16:28
 Operator : SY/AP
 Sample : J6352-01RE
 Misc : 6.81G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0633RE

Quant Time: Dec 14 04:02:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	138711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	124316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	34052	36.62	ug/l	0.00
Spiked Amount			Recovery	=	73.24%	
35) Dibromofluoromethane	7.88	113	32161	38.30	ug/l	0.00
Spiked Amount			Recovery	=	76.60%	
50) Toluene-d8	10.32	98	116034	36.86	ug/l	0.00
Spiked Amount			Recovery	=	73.72%	
62) 4-Bromofluorobenzene	12.62	95	45768	39.54	ug/l	0.00
Spiked Amount			Recovery	=	79.08%	

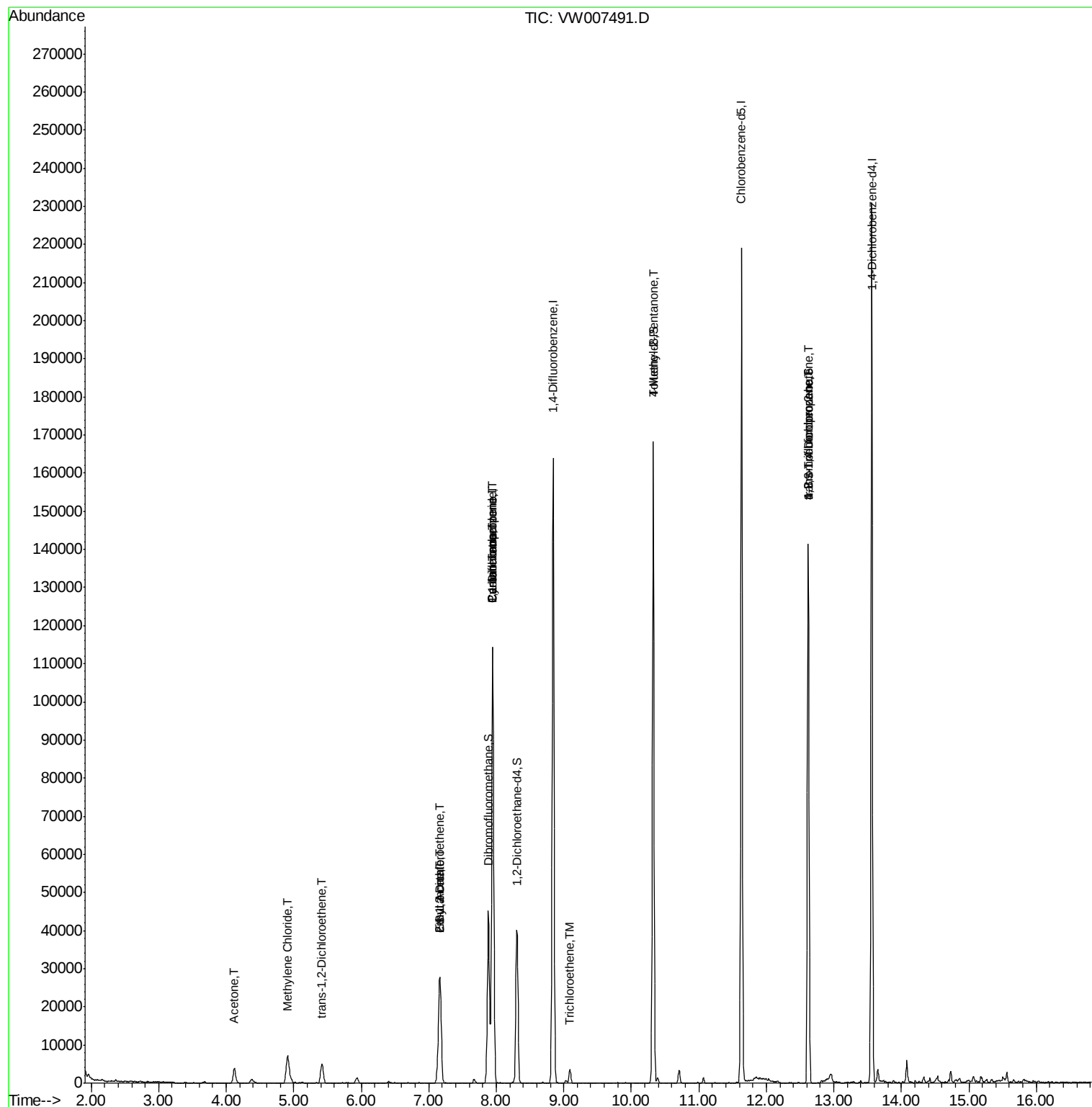
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	6758	41.610	ug/l #	88
20) Methylene Chloride	4.91	84	6252	3.387	ug/l #	86
21) trans-1,2-Dichloroethene	5.42	96	3211	3.491	ug/l	85
25) 2-Butanone	7.16	43	482	2.273	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	14863	14.759	ug/l	94
31) Cyclohexane	7.95	56	1732	1.199	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	6507	5.142	ug/l #	50
37) Ethyl Acetate	7.16	43	482	1.024	ug/l #	1
38) Carbon Tetrachloride	7.95	117	8618	6.259	ug/l #	17
44) Trichloroethene	9.09	130	1252	1.249	ug/l	84
51) 4-Methyl-2-Pentanone	10.32	43	529	1.204	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	23506	47.135	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	23506	104.121	ug/l #	7

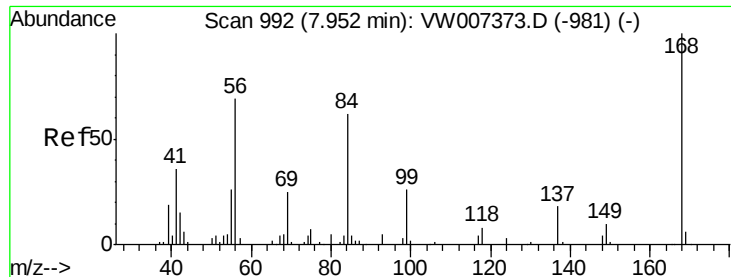
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

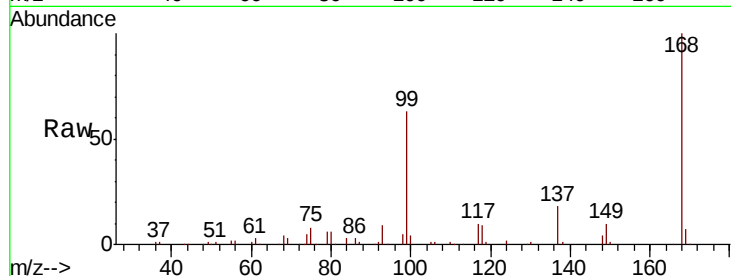
S32-0633RE

Tot Ion:168 Resp: 83812

Ion Ratio Lower Upper

168 100

99 63.5 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

40000

30000

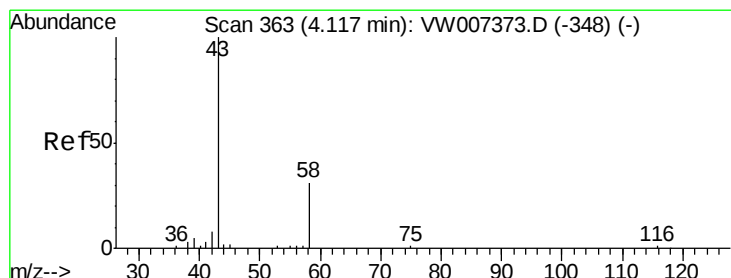
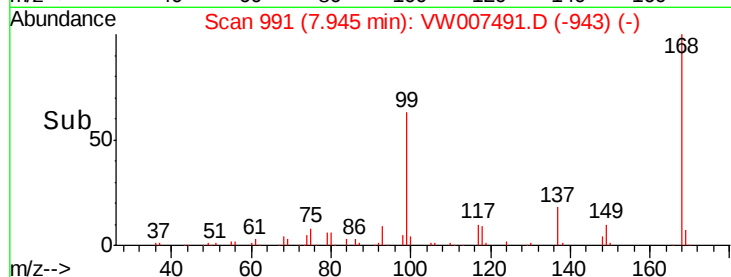
20000

10000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 41.610 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007491.D

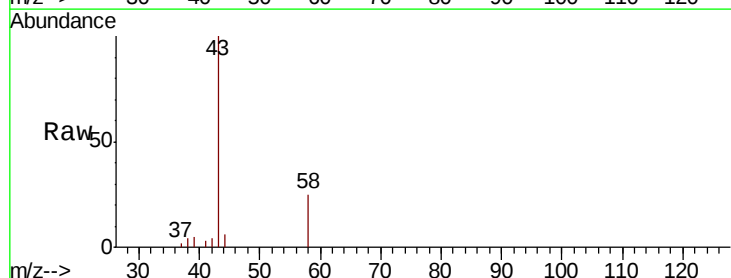
Acq: 13 Dec 2018 16:28

Tgt Ion: 43 Resp: 6758

Ion Ratio Lower Upper

43 100

58 24.7 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

3000

2500

2000

1500

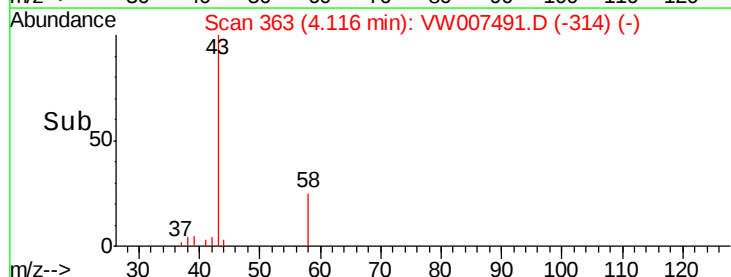
1000

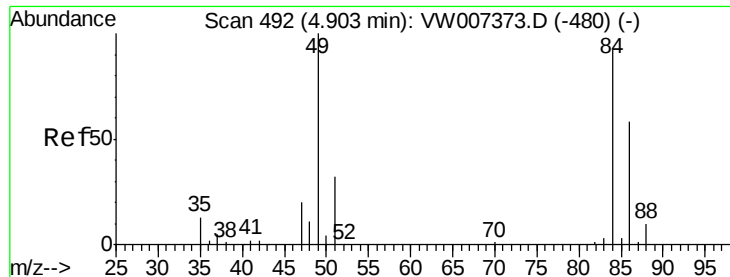
500

0

Time-->

4.05 4.10 4.15 4.20 4.25





#20

Methylene Chloride

Concen: 3.387 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

S32-0633RE

Tot Ion: 84 Resp: 6252

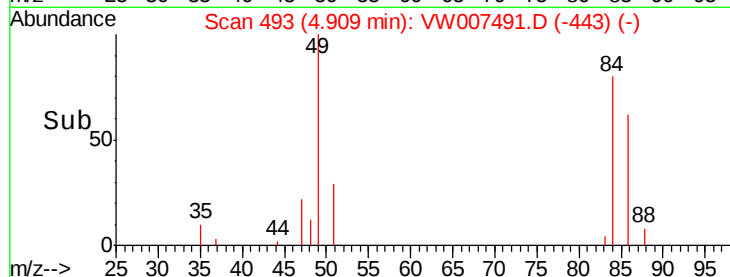
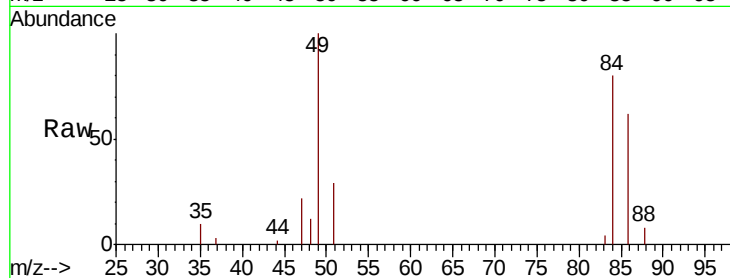
Ion Ratio Lower Upper

84 100

49 125.1 87.1 130.7

51 36.8 28.2 42.2

86 77.1 50.8 76.2#

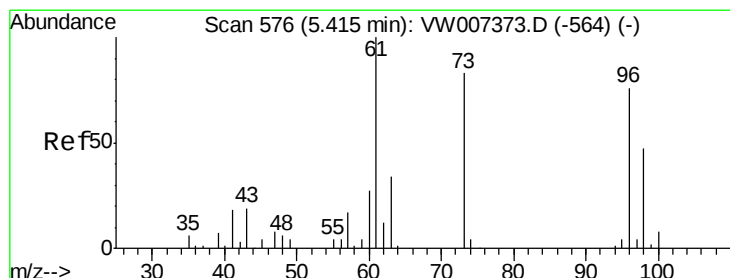
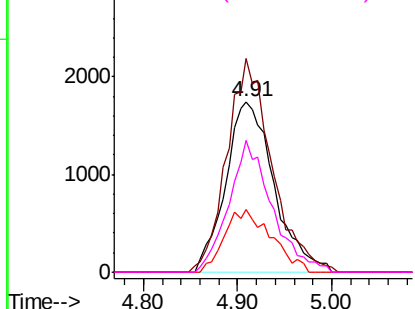


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#21

trans-1,2-Dichloroethene

Concen: 3.491 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

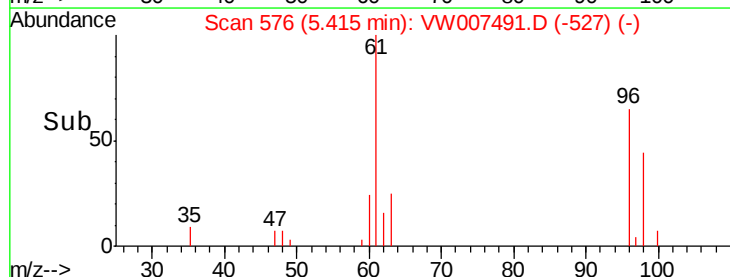
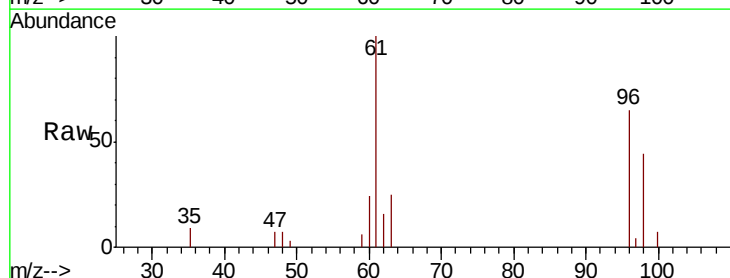
Tgt Ion: 96 Resp: 3211

Ion Ratio Lower Upper

96 100

61 152.9 105.0 157.6

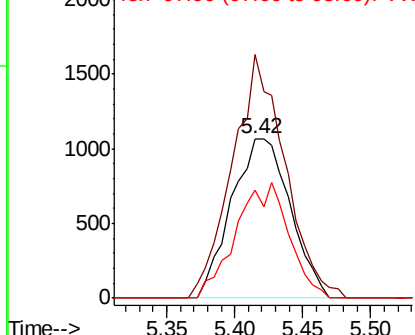
98 67.6 49.7 74.5

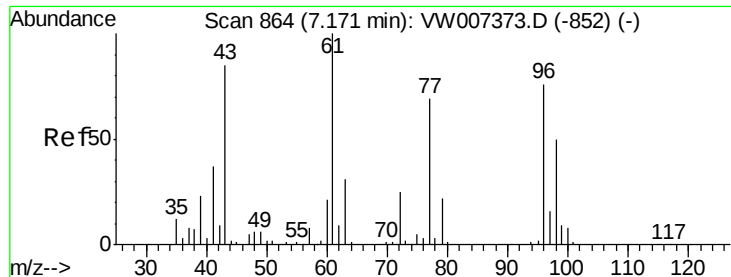


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#25

2-Butanone

Concen: 2.273 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampled :

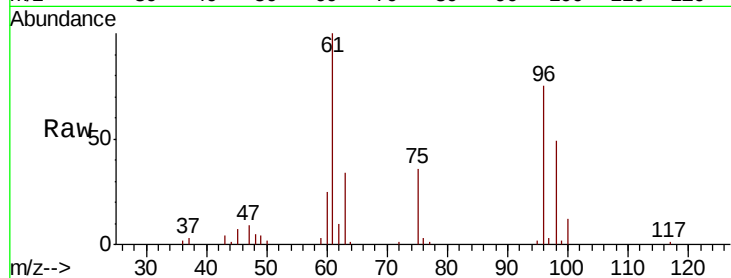
S32-0633RE

Tot Ion: 43 Resp: 482

Ion Ratio Lower Upper

43 100

72 31.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.16

250

200

150

100

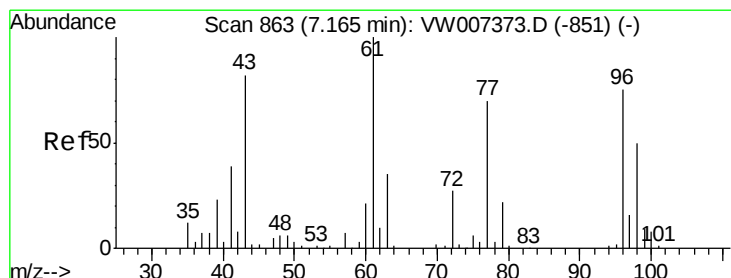
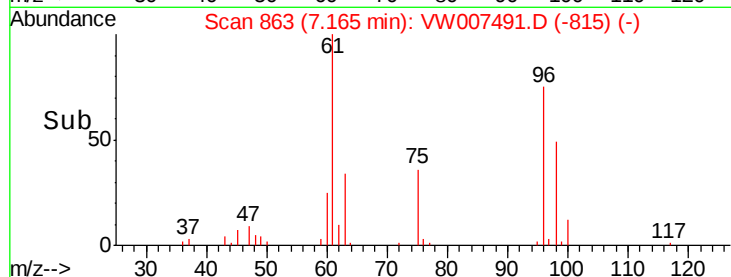
50

0

7.15

7.20

Time-->



#27

cis-1,2-Dichloroethene

Concen: 14.759 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

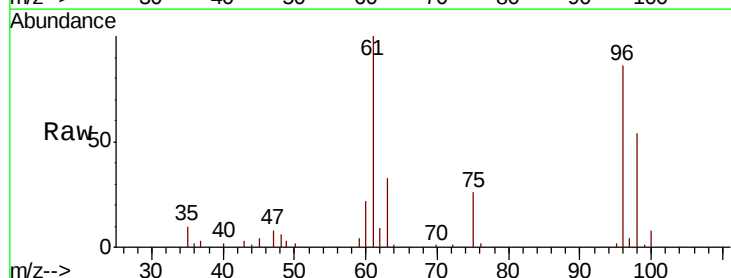
Tgt Ion: 96 Resp: 14863

Ion Ratio Lower Upper

96 100

61 125.8 0.0 268.4

98 65.9 0.0 127.8



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

8000

6000

4000

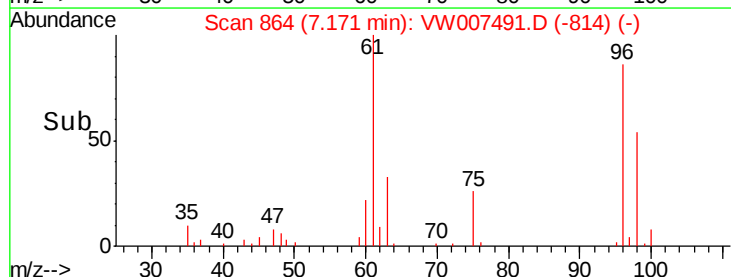
2000

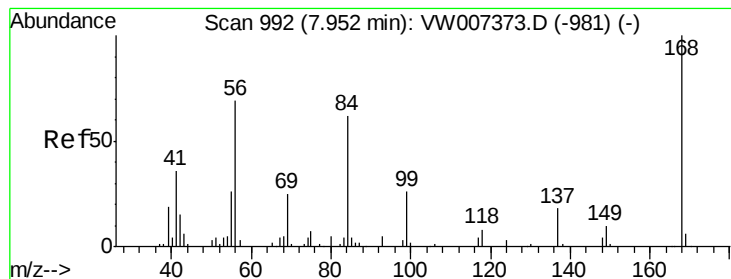
0

7.10

7.20

Time-->





#31

Cyclohexane

Concen: 1.199 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

S32-0633RE

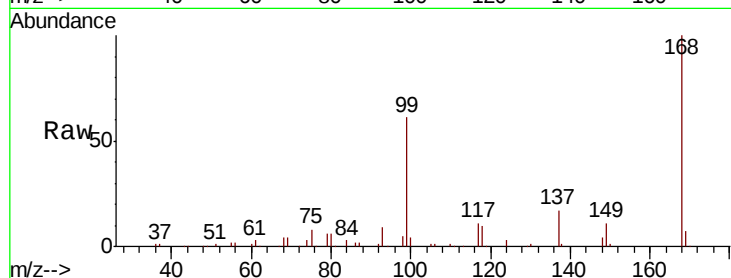
Tot Ion: 56 Resp: 1732

Ion Ratio Lower Upper

56 100

69 167.7 28.9 43.3#

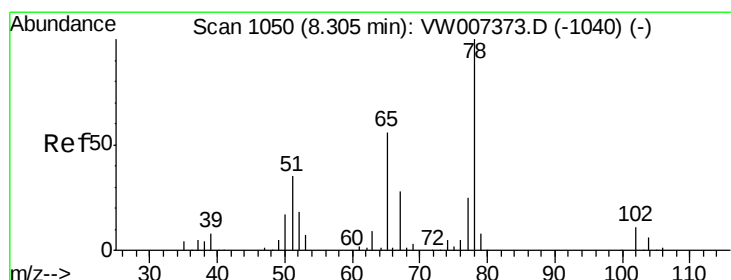
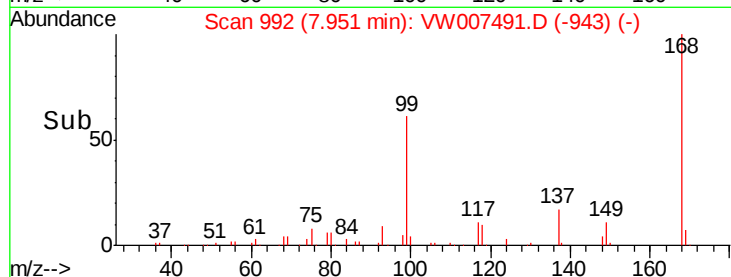
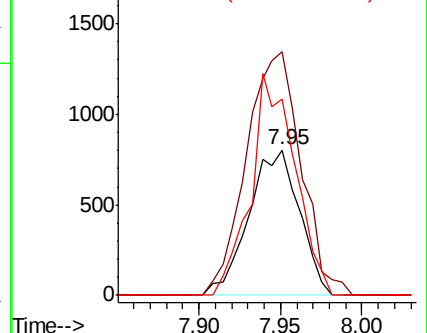
84 135.4 71.8 107.6#



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: 36.622 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007491.D

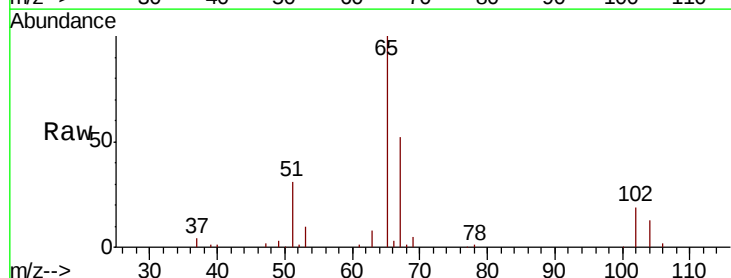
Acq: 13 Dec 2018 16:28

Tgt Ion: 65 Resp: 34052

Ion Ratio Lower Upper

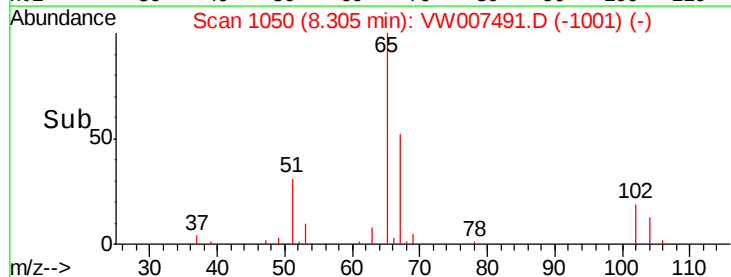
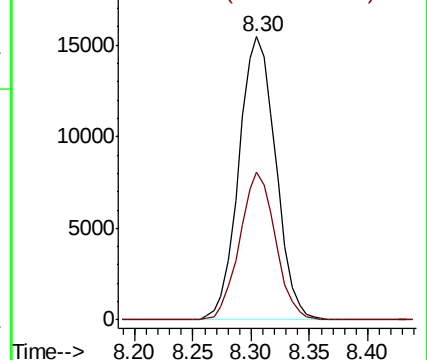
65 100

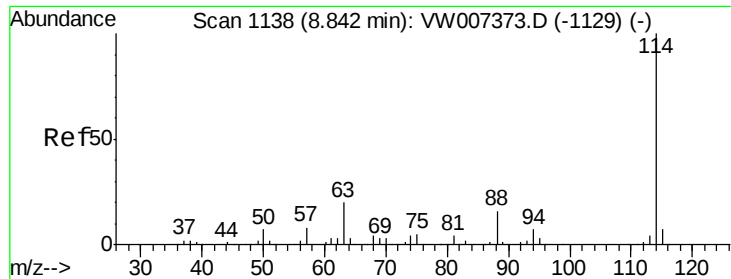
67 50.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

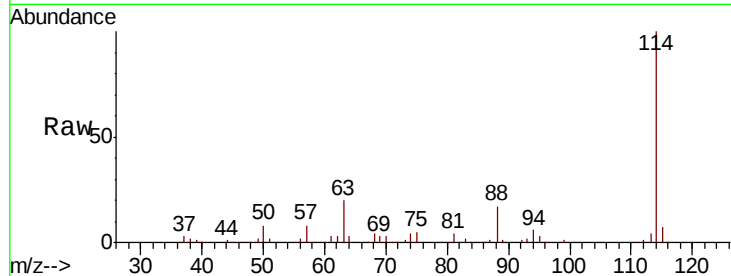




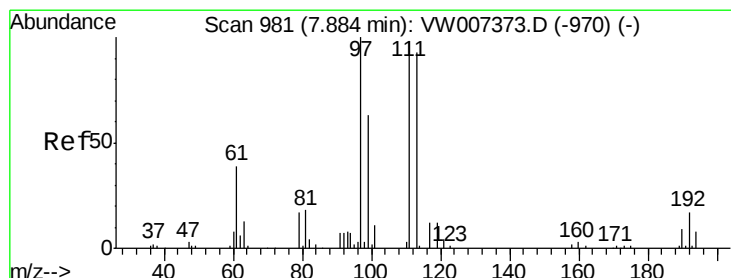
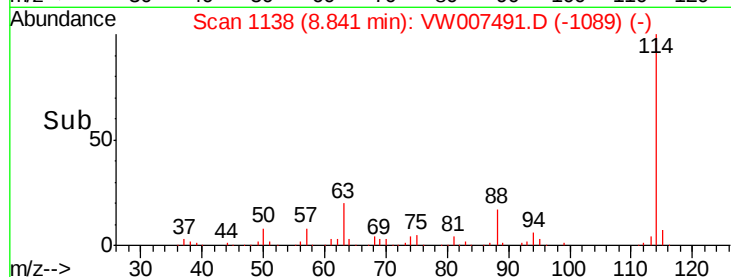
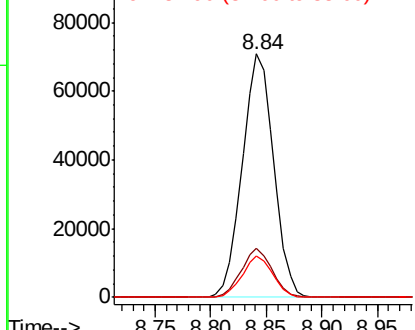
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW007491.D
Acq: 13 Dec 2018 16:28

Instrument :
MSVOA_W
ClientSampleId :
S32-0633RE

Tot Ion:114 Resp: 138711
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 16.9 0.0 31.4

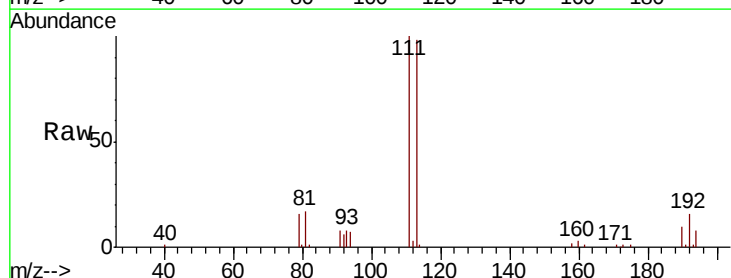


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

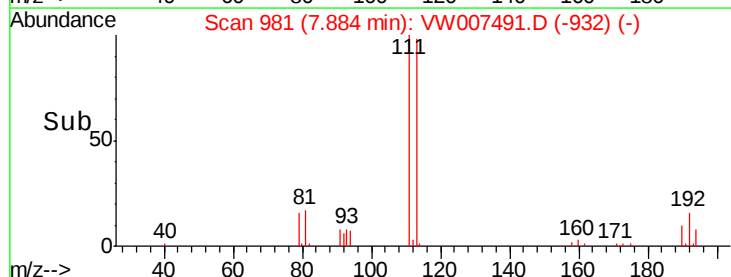
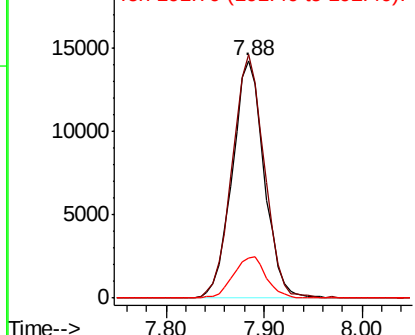


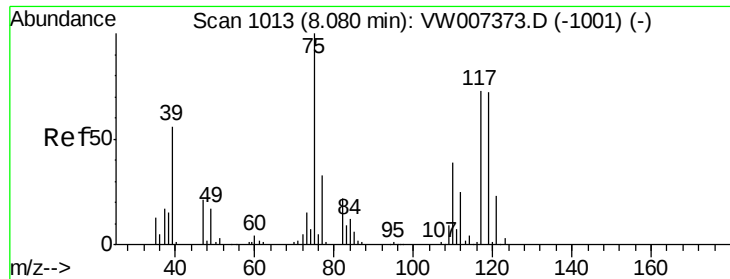
#35
Dibromofluoromethane
Concen: 38.302 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW007491.D
Acq: 13 Dec 2018 16:28

Tgt Ion:113 Resp: 32161
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 17.9 14.6 21.8



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

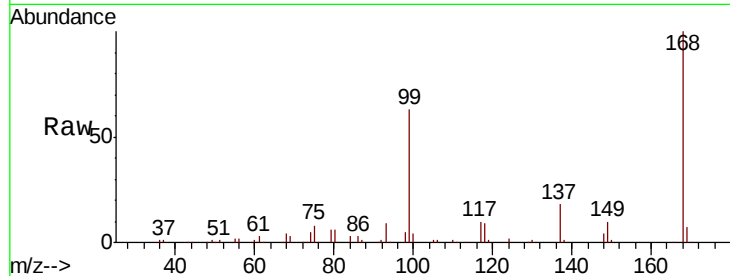




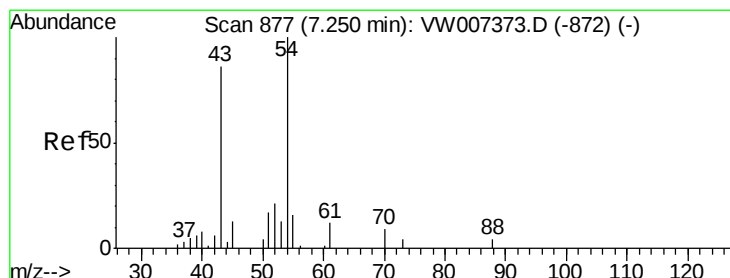
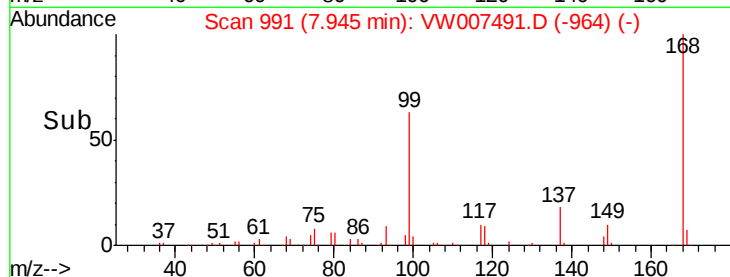
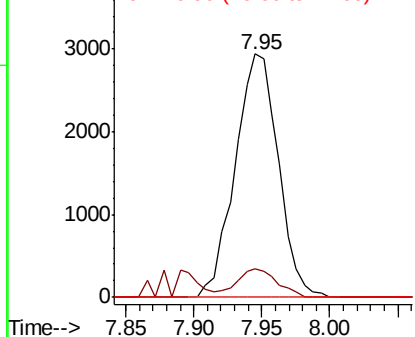
#36
 1,1-Dichloropropene
 Concen: 5.142 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW007491.D
 Acq: 13 Dec 2018 16:28

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0633RE

Tot Ion: 75 Resp: 6507
 Ion Ratio Lower Upper
 75 100
 110 11.1 18.5 55.5#
 77 0.0 25.6 38.4#

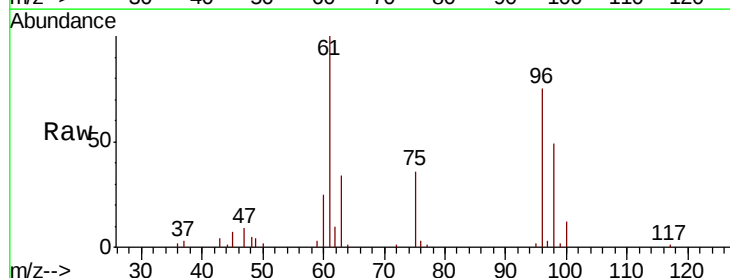


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

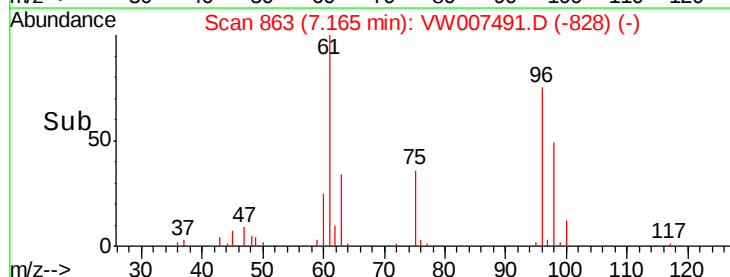
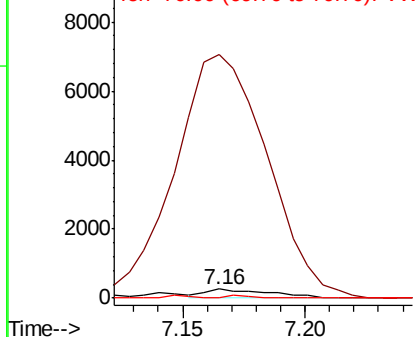


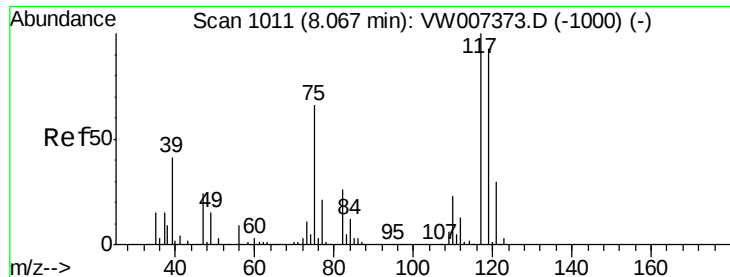
#37
 Ethyl Acetate
 Concen: 1.024 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.09 min
 Lab File: VW007491.D
 Acq: 13 Dec 2018 16:28

Tgt Ion: 43 Resp: 482
 Ion Ratio Lower Upper
 43 100
 61 3879.9 12.1 18.1#
 70 9.5 10.0 15.0#



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: 6.259 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

S32-0633RE

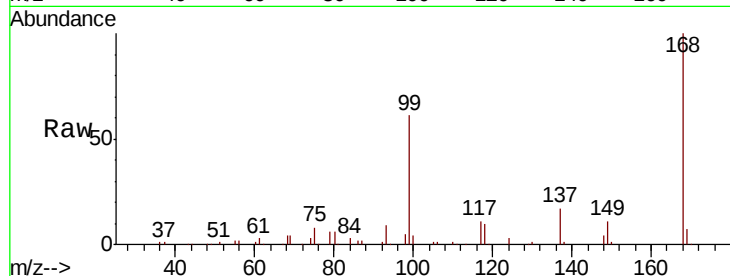
Tot Ion:117 Resp: 8618

Ion Ratio Lower Upper

117 100

119 4.6 74.3 111.5#

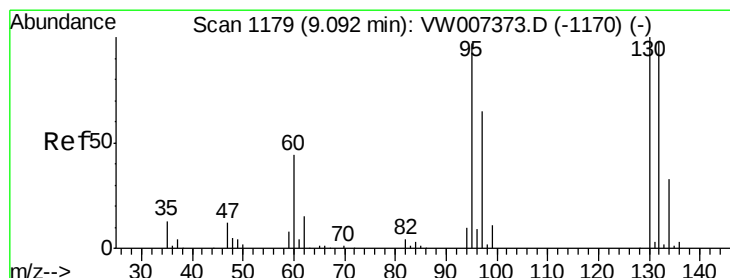
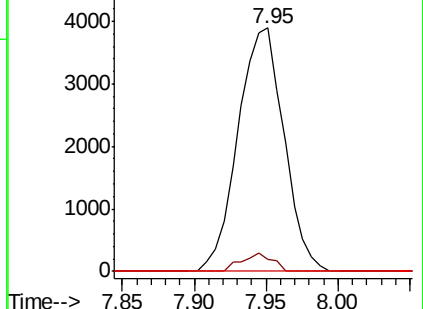
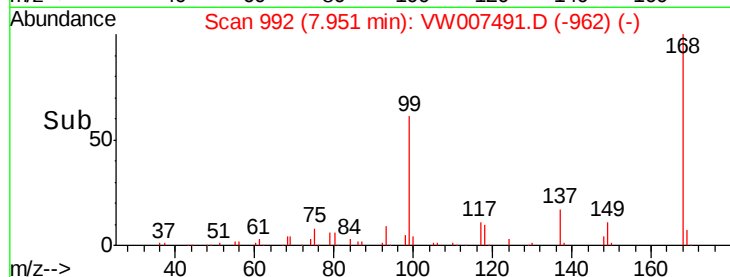
121 0.0 24.3 36.5#



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



#44

Trichloroethene

Concen: 1.249 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007491.D

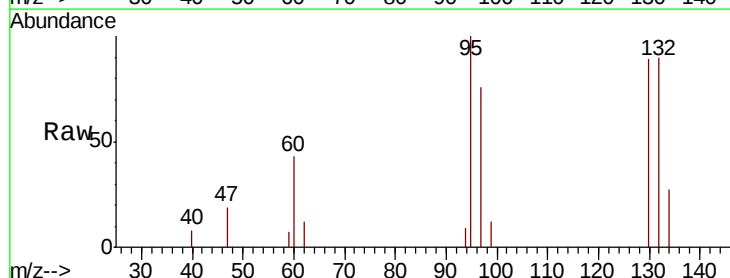
Acq: 13 Dec 2018 16:28

Tgt Ion:130 Resp: 1252

Ion Ratio Lower Upper

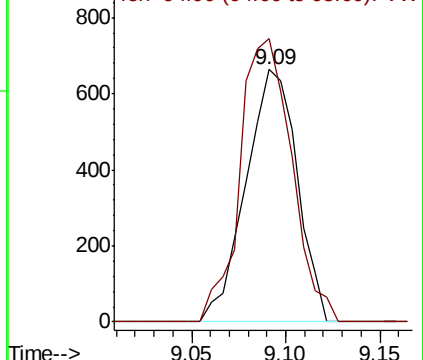
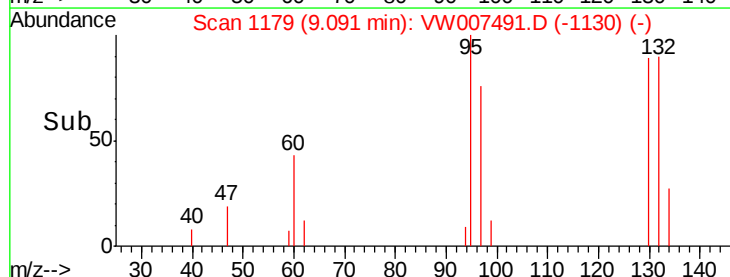
130 100

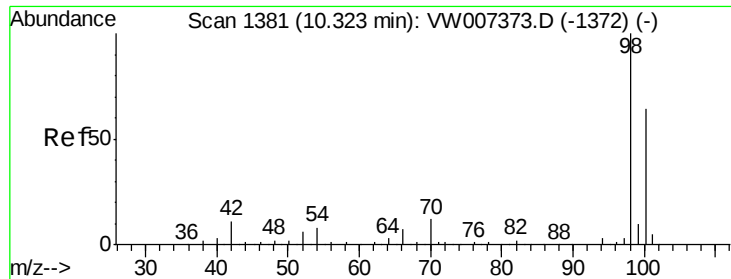
95 112.2 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VV





#50

Toluene-d8

Concen: 36.856 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

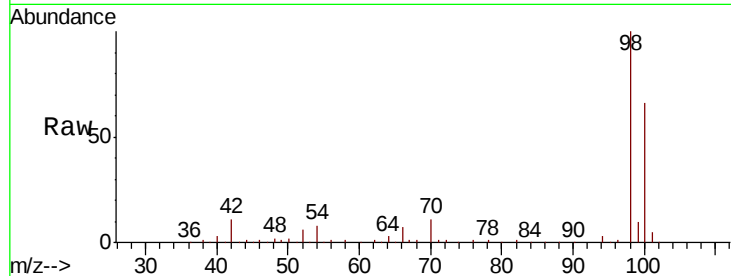
S32-0633RE

Tot Ion: 98 Resp: 116034

Ion Ratio Lower Upper

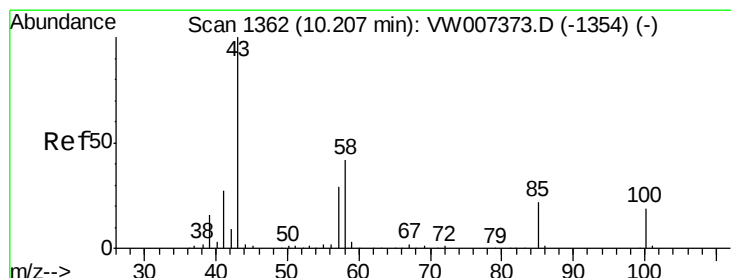
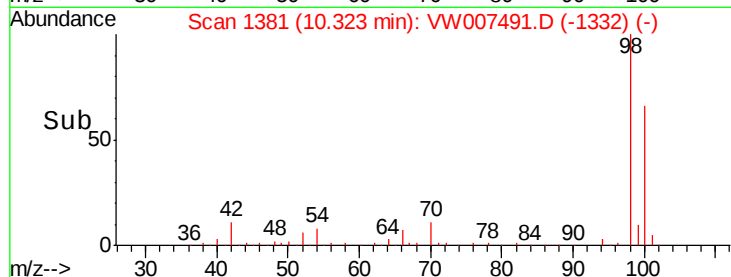
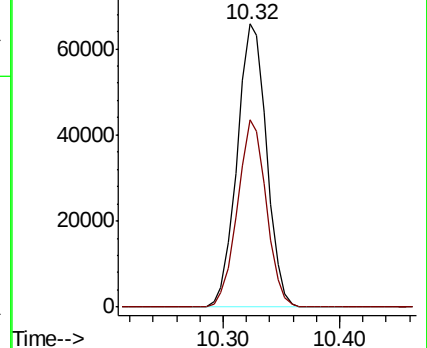
98 100

100 64.6 51.8 77.8



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: 1.204 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. 0.11 min

Lab File: VW007491.D

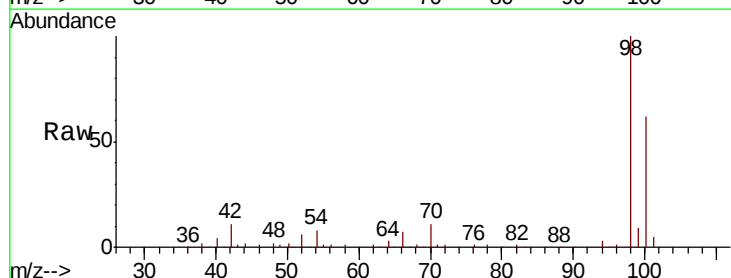
Acq: 13 Dec 2018 16:28

Tgt Ion: 43 Resp: 529

Ion Ratio Lower Upper

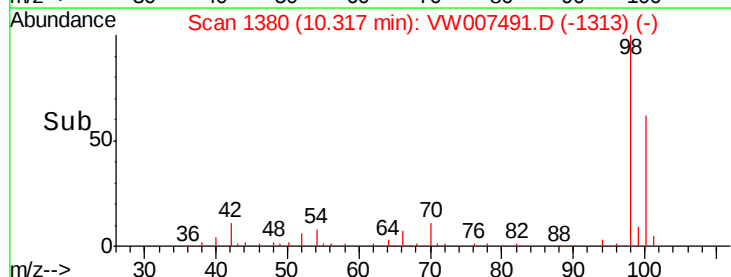
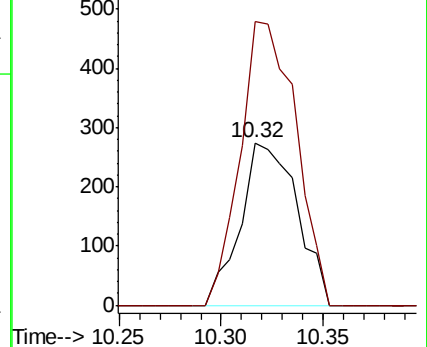
43 100

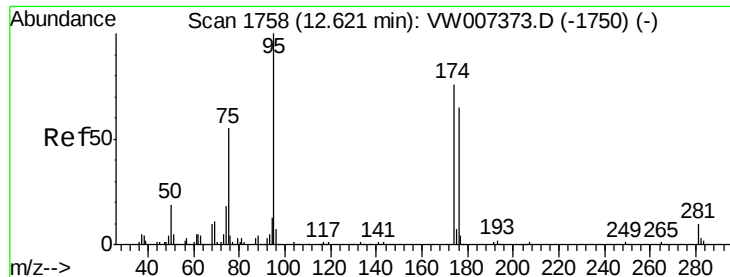
58 171.6 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

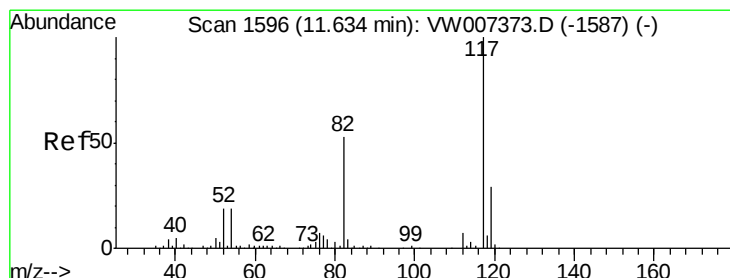
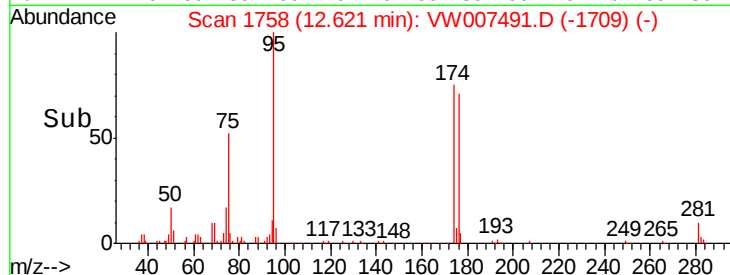
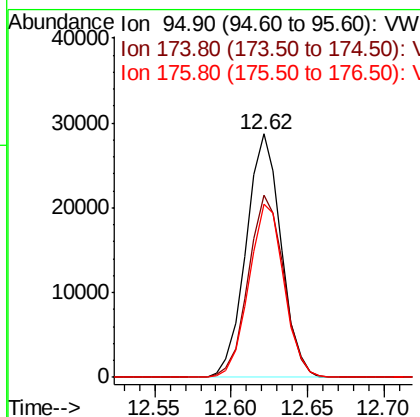
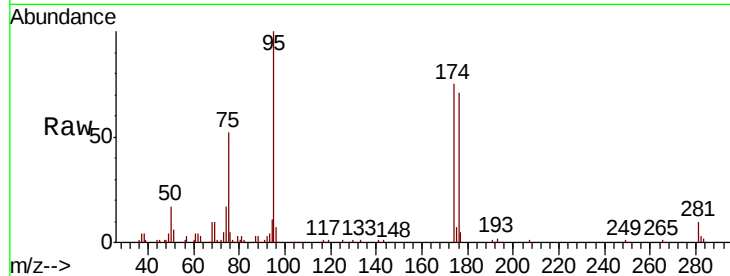




#62
4-Bromofluorobenzene
Concen: 39.539 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007491.D
Acq: 13 Dec 2018 16:28

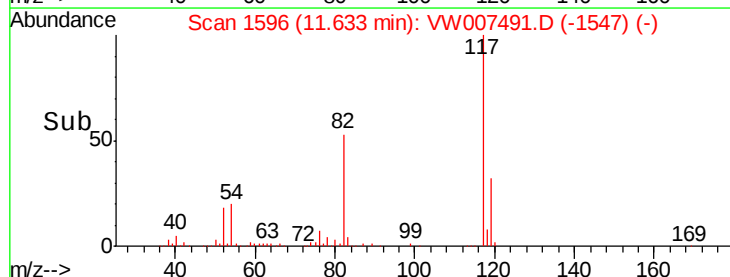
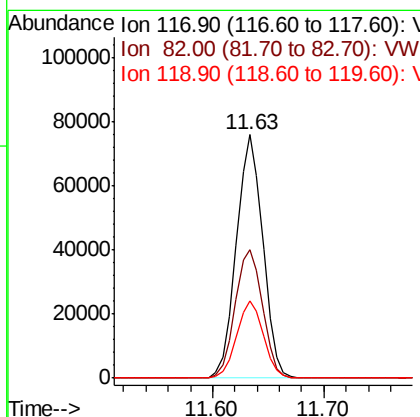
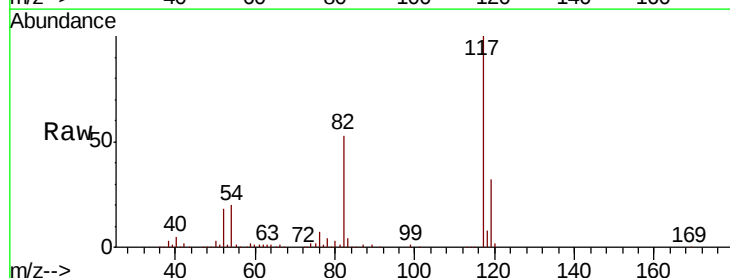
Instrument :
MSVOA_W
ClientSampleId :
S32-0633RE

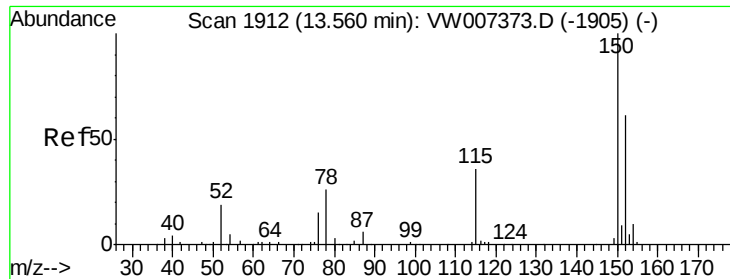
Tot Ion: 95 Resp: 45768
Ion Ratio Lower Upper
95 100
174 75.6 0.0 147.2
176 71.4 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007491.D
Acq: 13 Dec 2018 16:28

Tgt Ion: 117 Resp: 124316
Ion Ratio Lower Upper
117 100
82 52.9 42.3 63.5
119 31.5 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

S32-0633RE

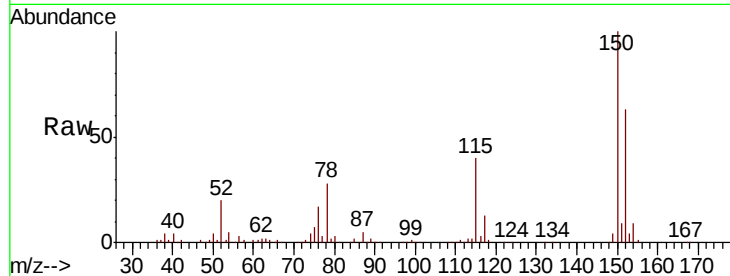
Tot Ion:152 Resp: 60483

Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.2

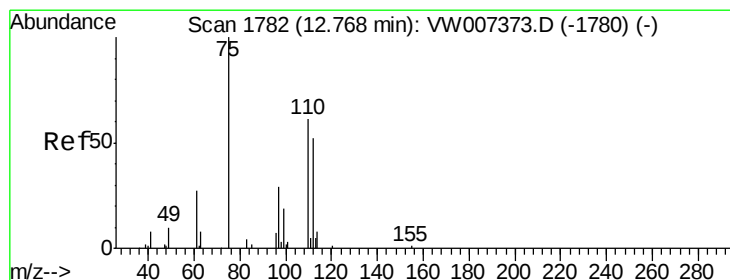
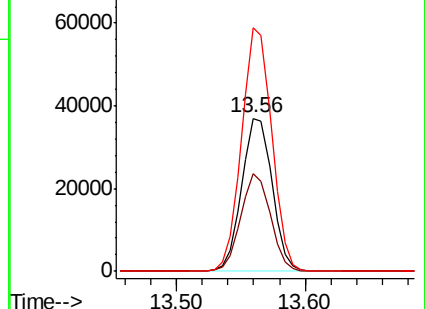
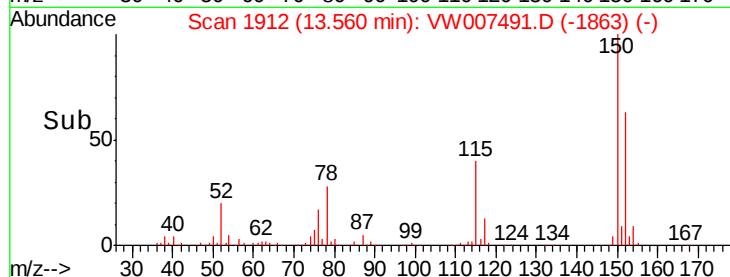
150 157.3 0.0 358.4



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: 47.135 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007491.D

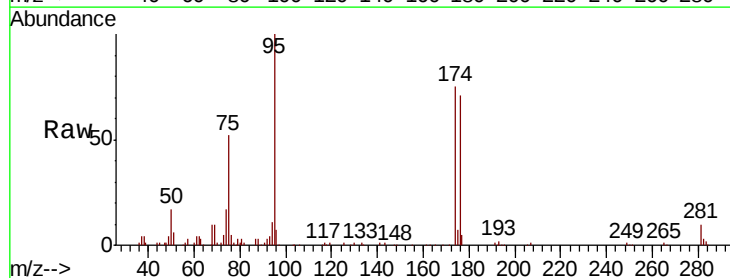
Acq: 13 Dec 2018 16:28

Tgt Ion: 75 Resp: 23506

Ion Ratio Lower Upper

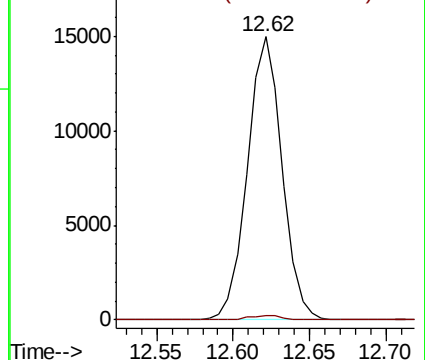
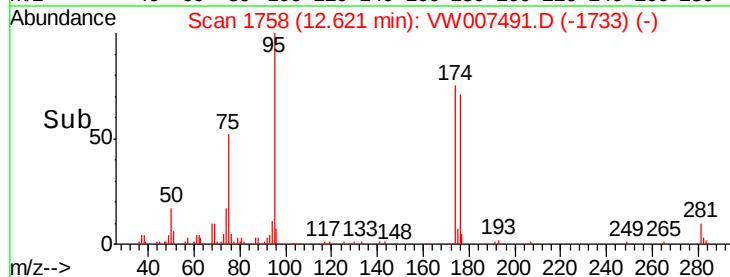
75 100

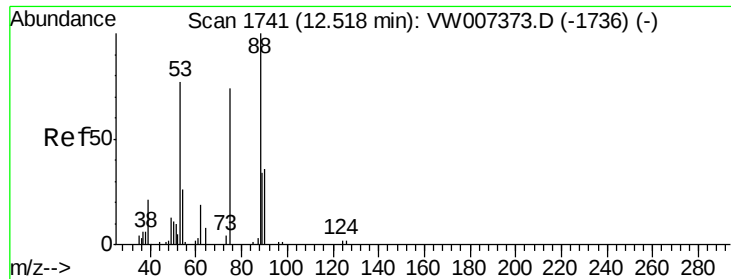
77 1.3 166.9 500.8#



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: 104.121 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007491.D

Acq: 13 Dec 2018 16:28

Instrument :

MSVOA_W

ClientSampleId :

S32-0633RE

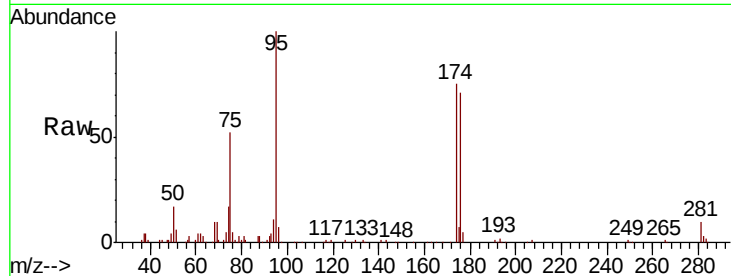
Tot Ion: 75 Resp: 23506

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.1 40.3 60.5#



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

