

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007458.D
 Acq On : 13 Dec 2018 00:30
 Operator : SY/AP
 Sample : J6352-01
 Misc : 6.09G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0633

Quant Time: Dec 13 04:21:50 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	82645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	144242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	130250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	63372	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	35237	38.43	ug/l	0.00
Spiked Amount			Recovery	=	76.86%	
35) Dibromofluoromethane	7.88	113	33814	38.73	ug/l	0.00
Spiked Amount			Recovery	=	77.46%	
50) Toluene-d8	10.32	98	117773	35.97	ug/l	0.00
Spiked Amount			Recovery	=	71.94%	
62) 4-Bromofluorobenzene	12.62	95	46552	38.67	ug/l	0.00
Spiked Amount			Recovery	=	77.34%	

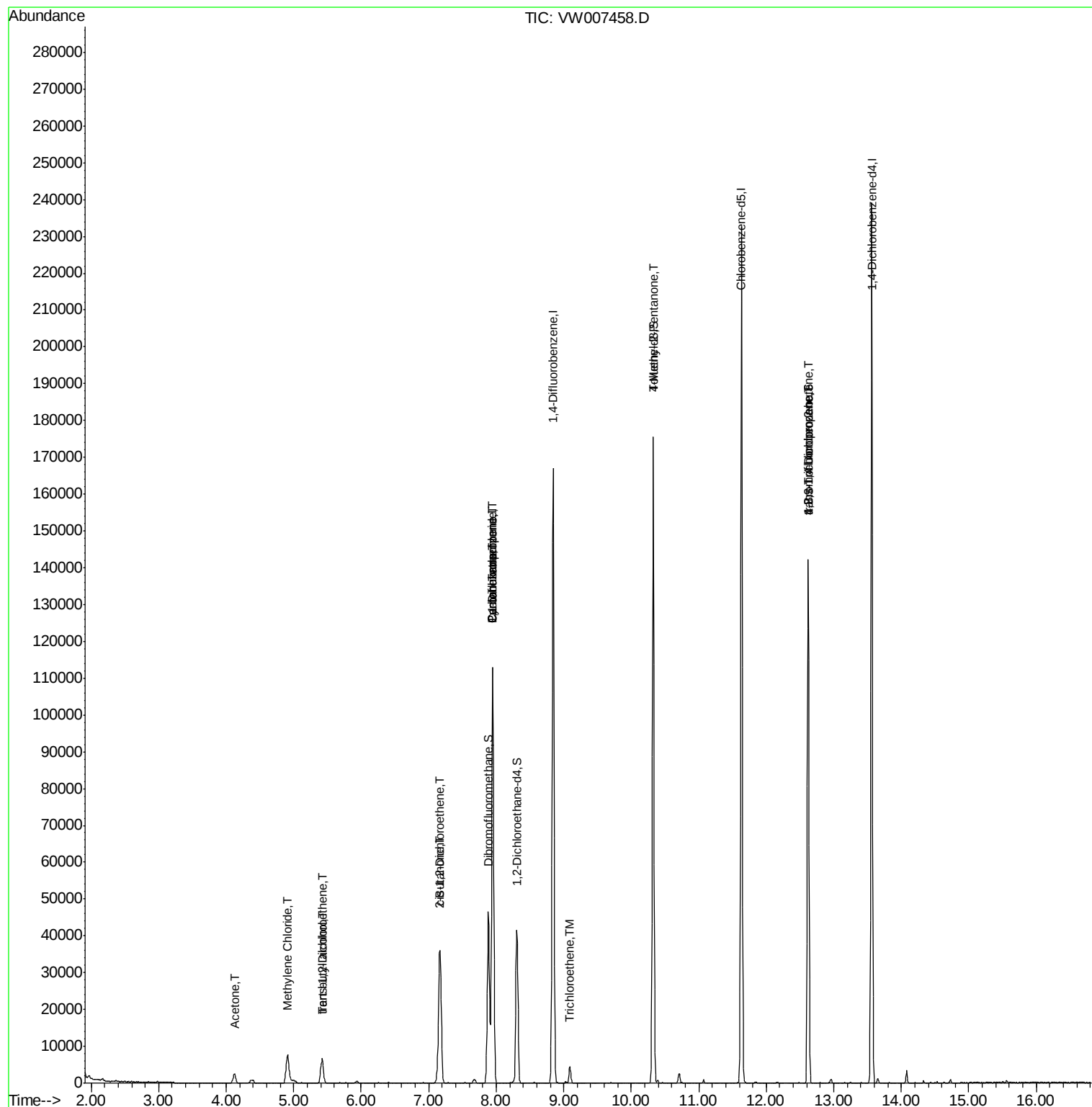
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.42	59	159	2.525	ug/l #	74
16) Acetone	4.13	43	4752	29.672	ug/l	93
20) Methylene Chloride	4.91	84	6234	3.472	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	4276	4.715	ug/l	97
25) 2-Butanone	7.15	43	325	1.554	ug/l #	55
27) cis-1,2-Dichloroethene	7.17	96	21056	21.204	ug/l	93
31) Cyclohexane	7.95	56	1991	1.398	ug/l #	26
36) 1,1-Dichloropropene	7.95	75	6246	4.747	ug/l #	49
38) Carbon Tetrachloride	7.94	117	8517	5.949	ug/l #	19
44) Trichloroethene	9.10	130	1658	1.590	ug/l	74
51) 4-Methyl-2-Pentanone	10.32	43	548	1.200	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	23907	45.753	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	23907	101.069	ug/l #	7

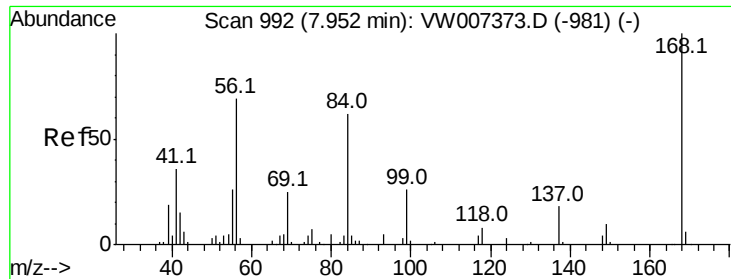
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW121518\
Data File : VW007458.D
Acq On : 13 Dec 2018 00:30
Operator : SY/AP
Sample : J6352-01
Misc : 6.09G/5ML/MSVOA W/SOIL
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S32-0633

Quant Time: Dec 13 04:21:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007458.D

Acq: 13 Dec 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

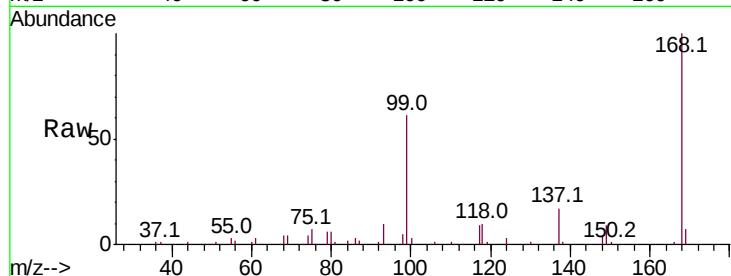
S32-0633

Tot Ion:168 Resp: 82645

Ion Ratio Lower Upper

168 100

99 61.3 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

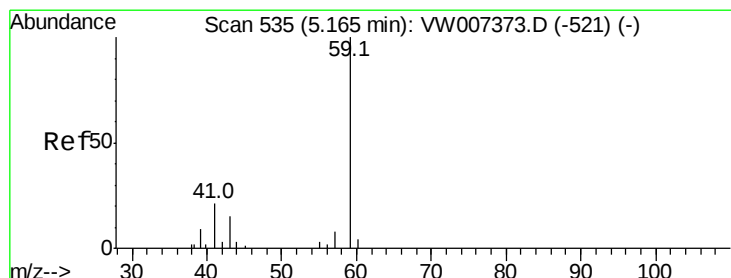
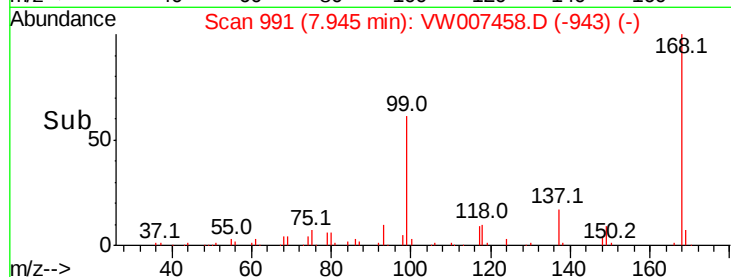
10000

0

Time-->

7.90

8.00



#11

Tert butyl alcohol

Concen: 2.525 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.25 min

Lab File: VW007458.D

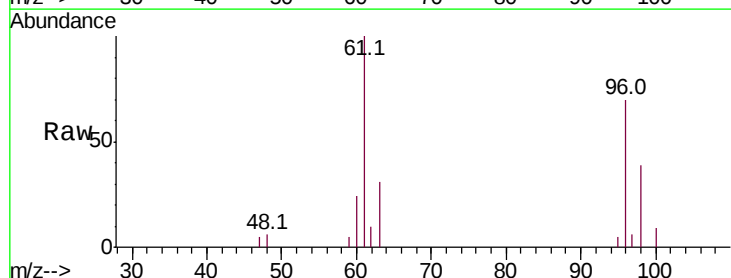
Acq: 13 Dec 2018 00:30

Tgt Ion: 59 Resp: 159

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

100

80

60

40

20

0

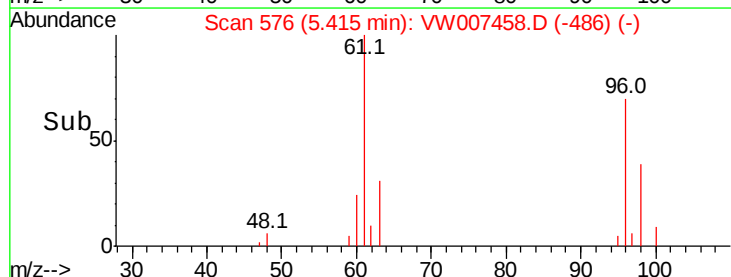
Time-->

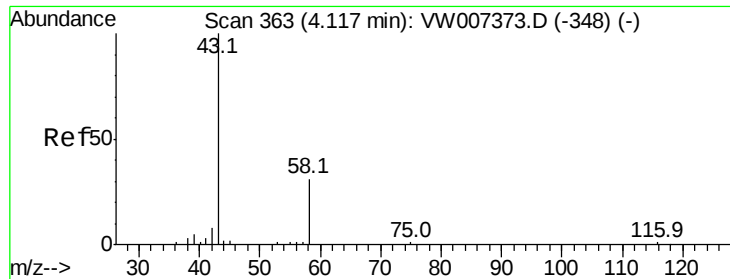
5.38

5.40

5.42

5.44





#16

Acetone

Concen: 29.672 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW007458.D

Acq: 13 Dec 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

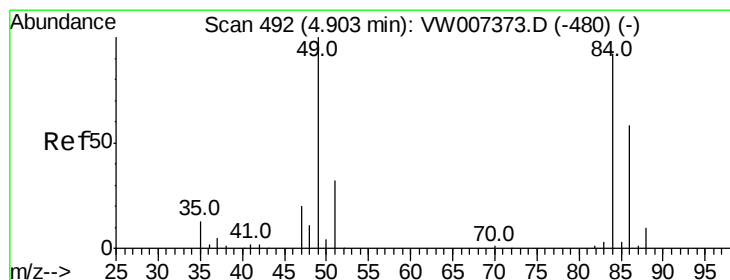
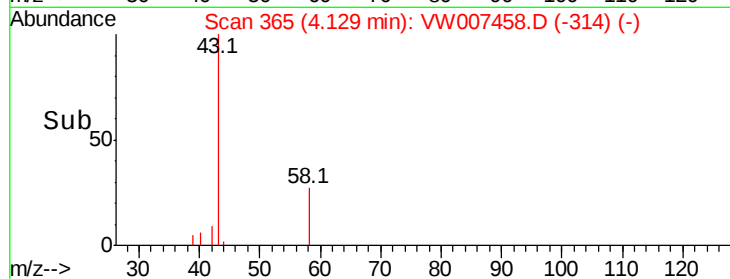
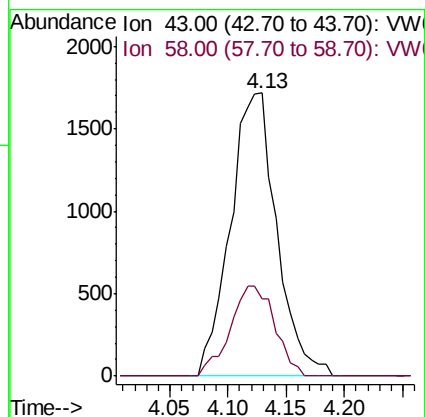
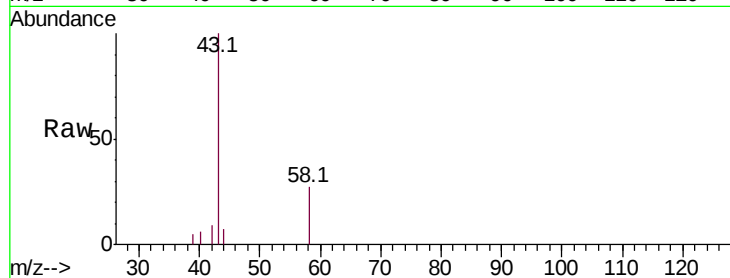
S32-0633

Tot Ion: 43 Resp: 4752

Ion Ratio Lower Upper

43 100

58 27.4 24.9 37.3



#20

Methylene Chloride

Concen: 3.472 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007458.D

Acq: 13 Dec 2018 00:30

Tgt Ion: 84 Resp: 6234

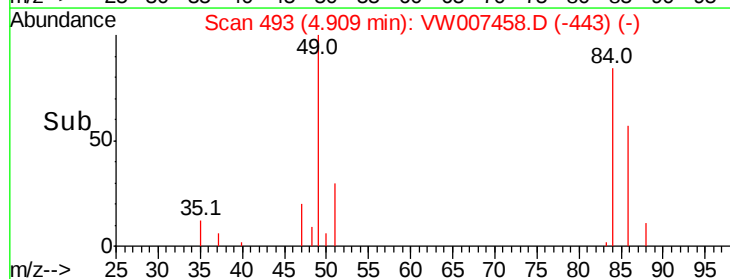
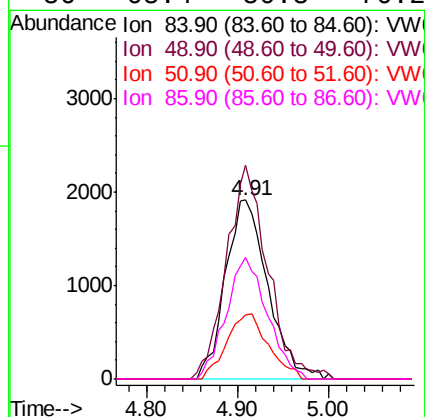
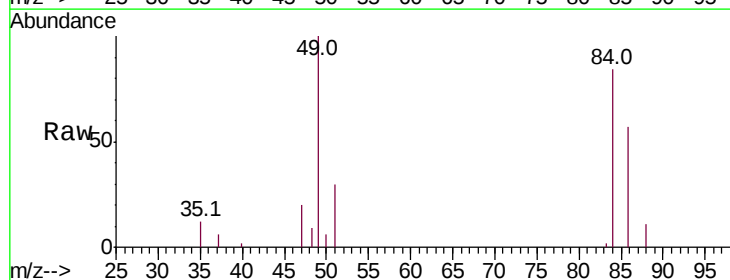
Ion Ratio Lower Upper

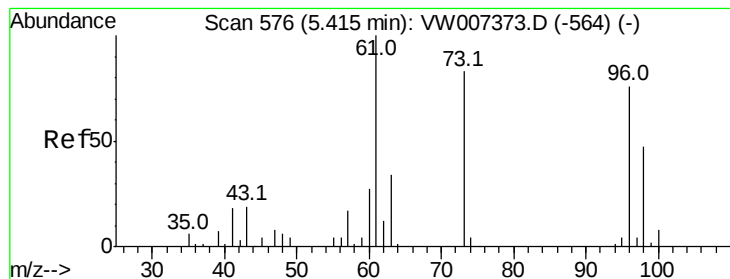
84 100

49 119.5 87.1 130.7

51 36.1 28.2 42.2

86 68.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 4.715 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007458.D

Acq: 13 Dec 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

S32-0633

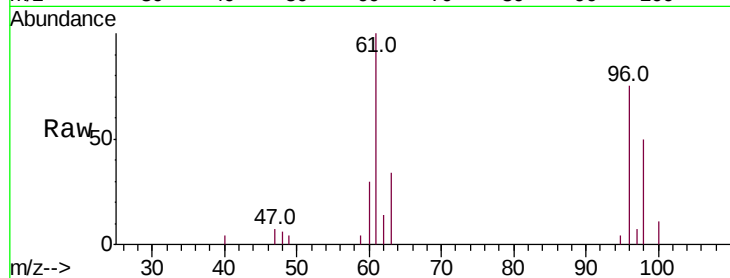
Tot Ion: 96 Resp: 4276

Ion Ratio Lower Upper

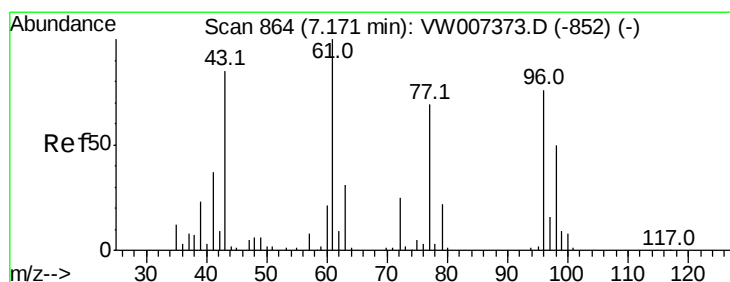
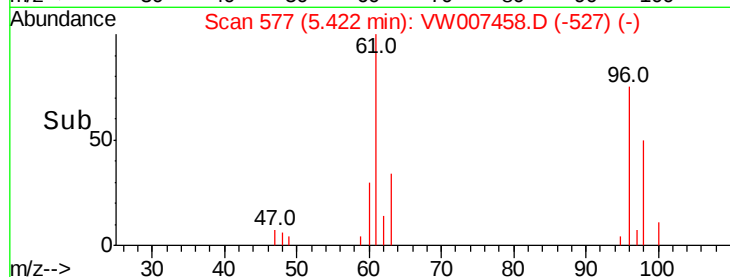
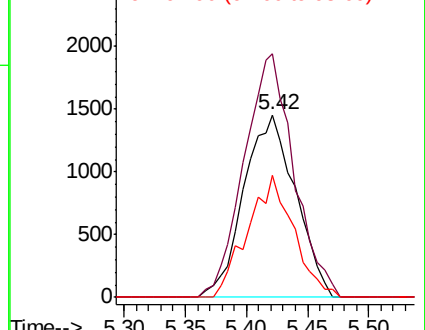
96 100

61 133.2 105.0 157.6

98 66.6 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: 1.554 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW007458.D

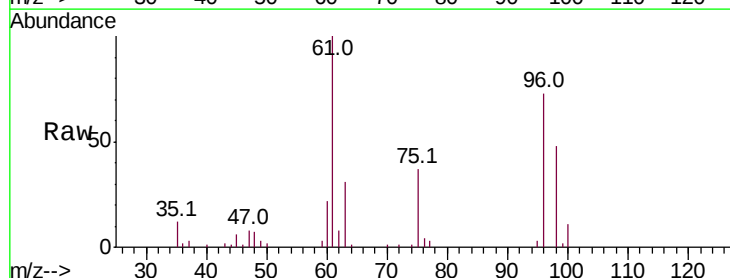
Acq: 13 Dec 2018 00:30

Tgt Ion: 43 Resp: 325

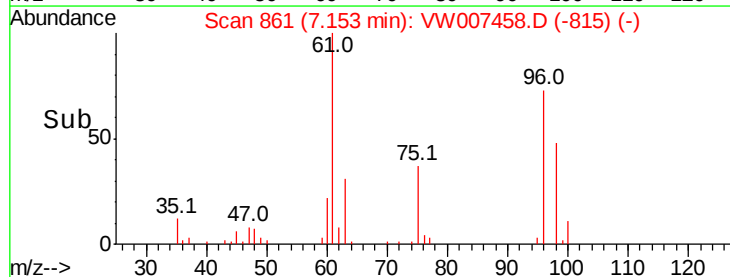
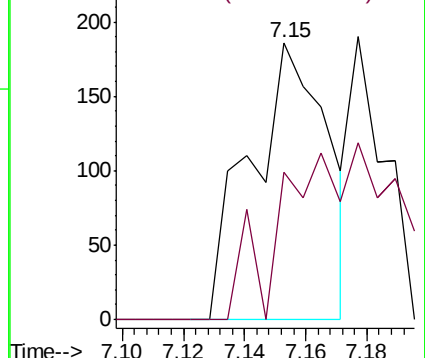
Ion Ratio Lower Upper

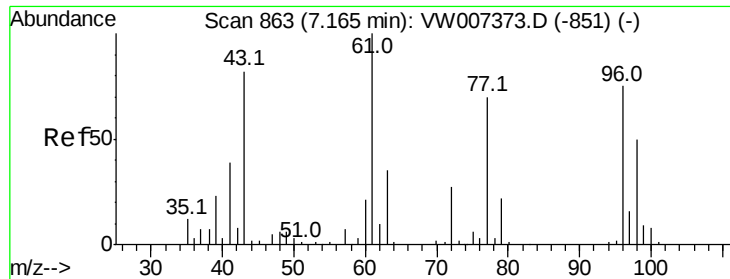
43 100

72 53.2 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



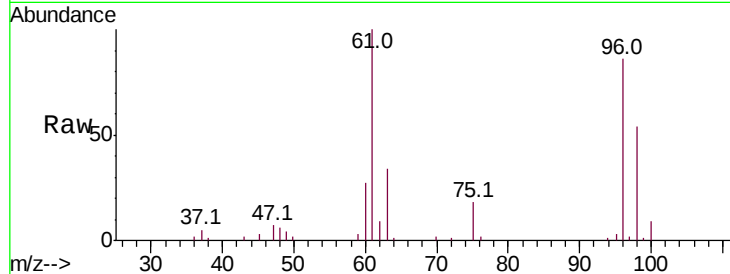


#27

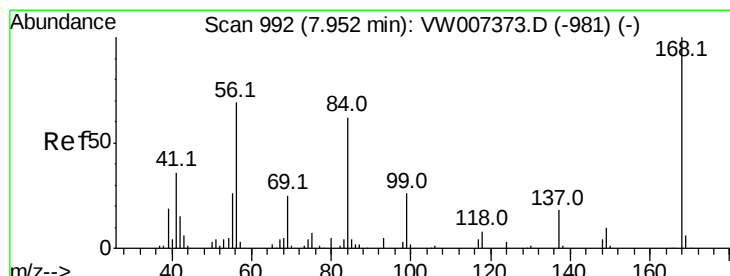
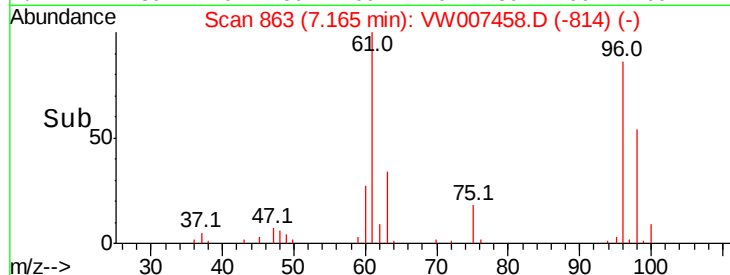
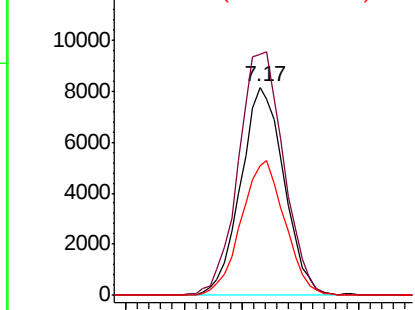
cis-1,2-Dichloroethene
Concen: 21.204 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007458.D
Acq: 13 Dec 2018 00:30

Instrument :
MSVOA_W
ClientSampleId :
S32-0633

Tot Ion: 96 Resp: 21056
Ion Ratio Lower Upper
96 100
61 122.4 0.0 268.4
98 65.0 0.0 127.8



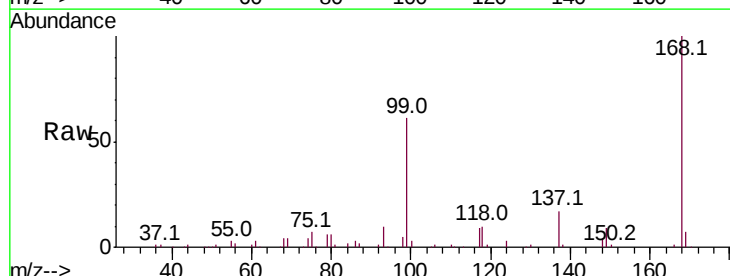
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



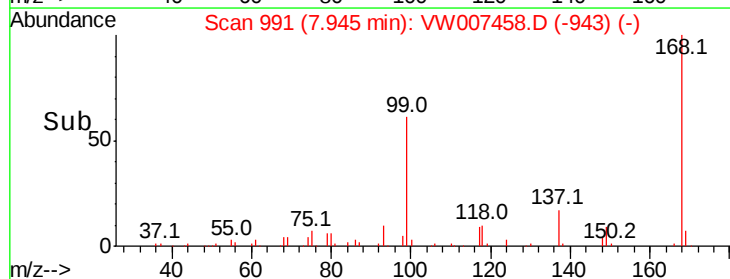
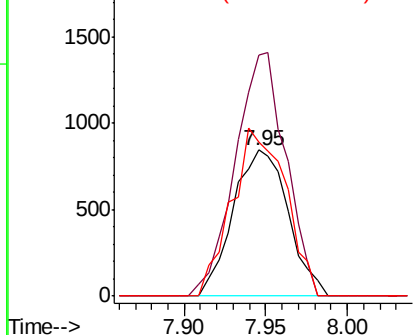
#31

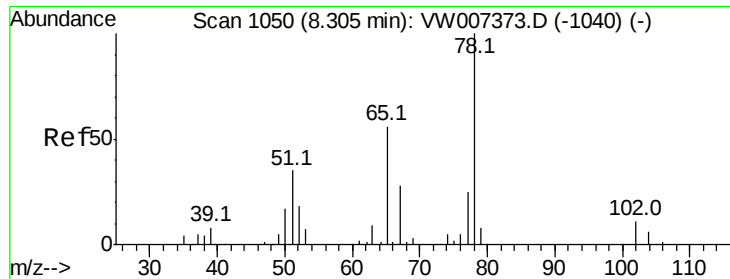
Cyclohexane
Concen: 1.398 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007458.D
Acq: 13 Dec 2018 00:30

Tgt Ion: 56 Resp: 1991
Ion Ratio Lower Upper
56 100
69 164.8 28.9 43.3#
84 105.2 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

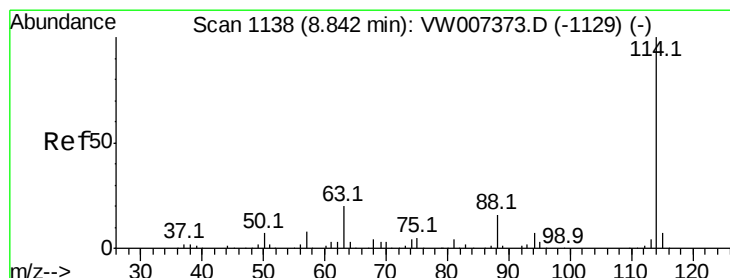
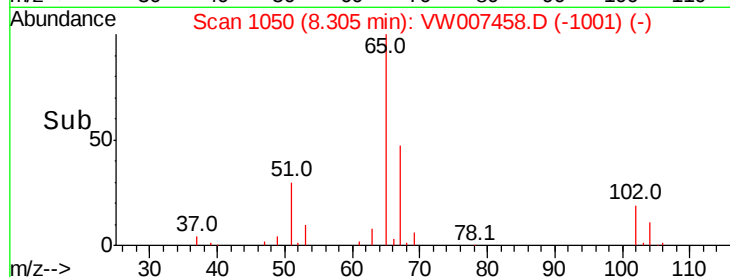
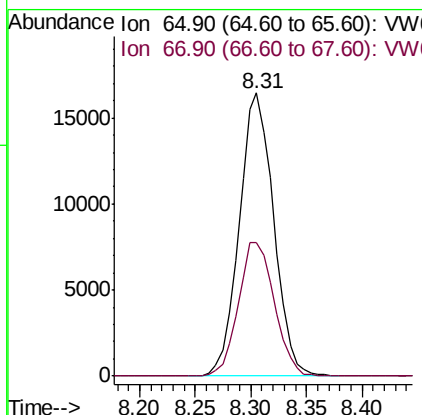
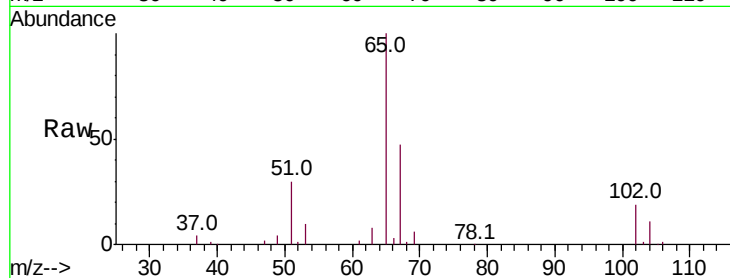




#33
 1,2-Dichloroethane-d4
 Concen: 38.431 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007458.D
 Acq: 13 Dec 2018 00:30

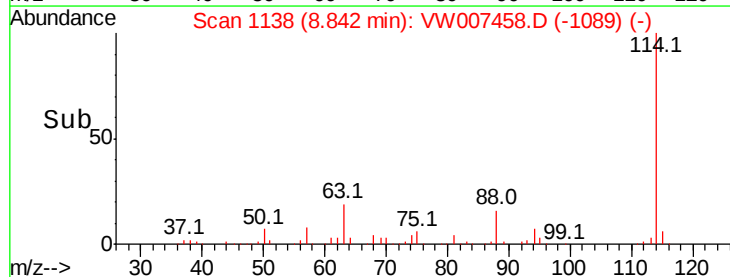
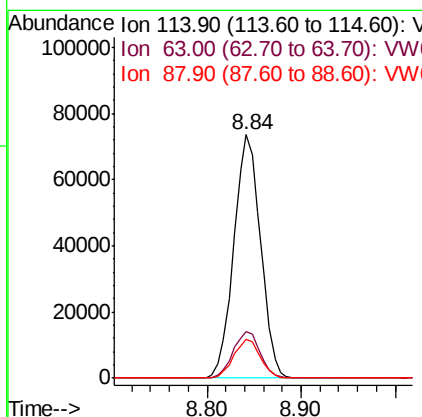
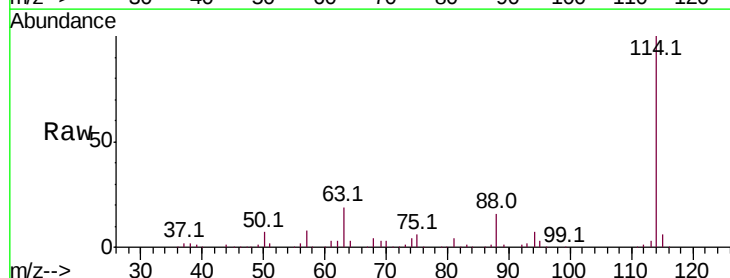
Instrument :
 MSVOA_W
 ClientSampled :
 S32-0633

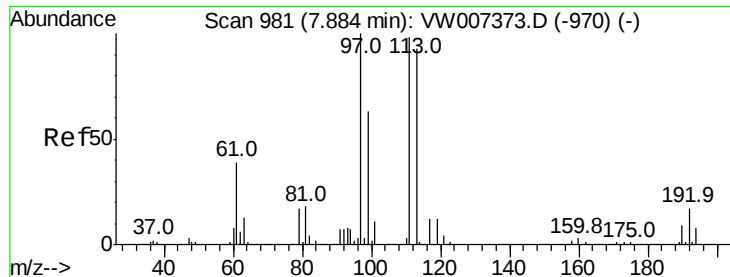
Tot Ion: 65 Resp: 35237
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007458.D
 Acq: 13 Dec 2018 00:30

Tgt Ion: 114 Resp: 144242
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.6
 88 15.8 0.0 31.4

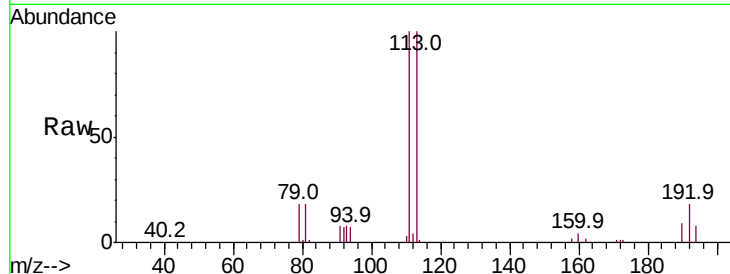




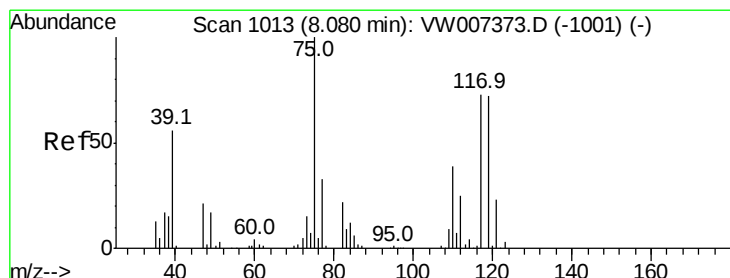
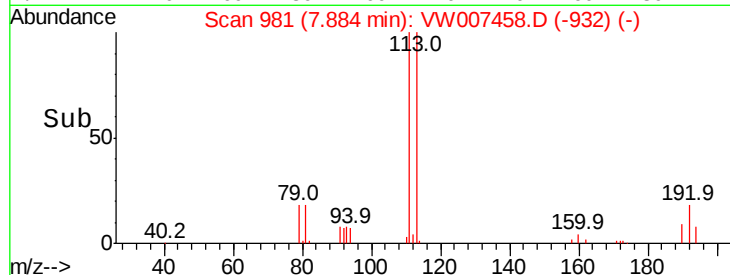
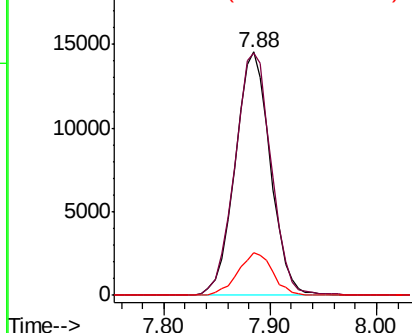
#35
 Dibromofluoromethane
 Concen: 38.726 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007458.D
 Acq: 13 Dec 2018 00:30

Instrument :
 MSVOA_W
 ClientSampleId :
 S32-0633

Tot Ion:113 Resp: 33814
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.1 121.7
 192 17.3 14.6 21.8

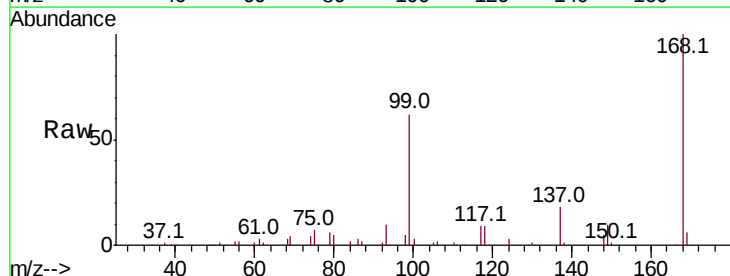


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

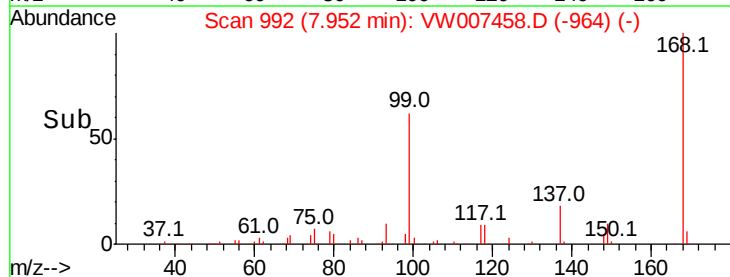
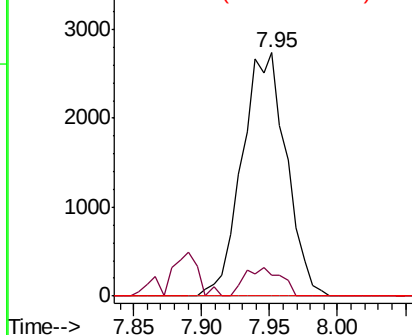


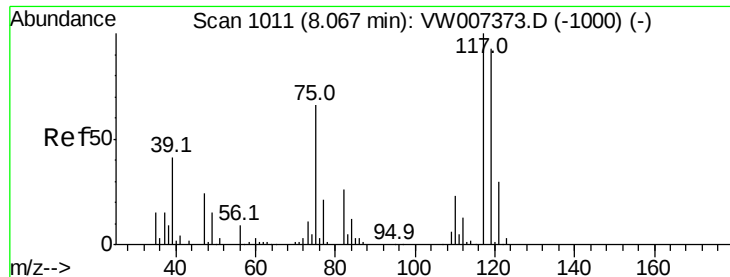
#36
 1,1-Dichloropropene
 Concen: 4.747 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007458.D
 Acq: 13 Dec 2018 00:30

Tgt Ion: 75 Resp: 6246
 Ion Ratio Lower Upper
 75 100
 110 9.6 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): V
 Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 5.949 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW007458.D

Acq: 13 Dec 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

S32-0633

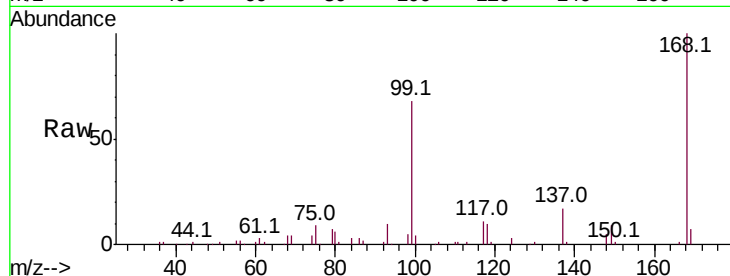
Tot Ion:117 Resp: 8517

Ion Ratio Lower Upper

117 100

119 7.4 74.3 111.5#

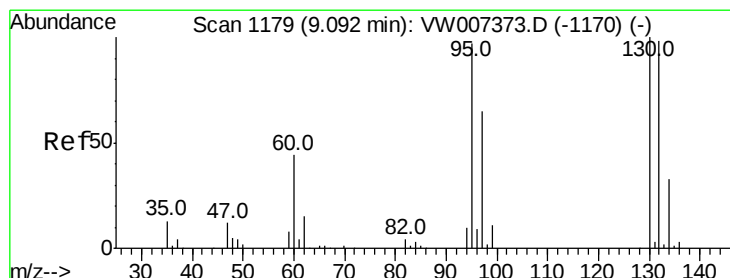
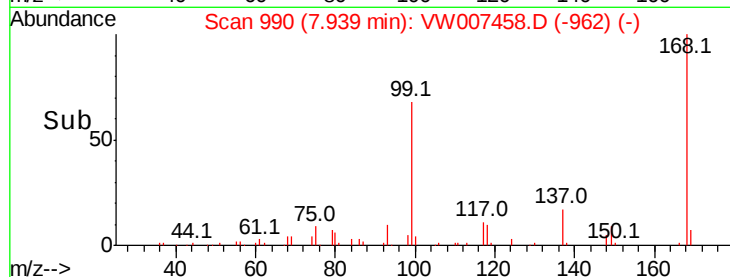
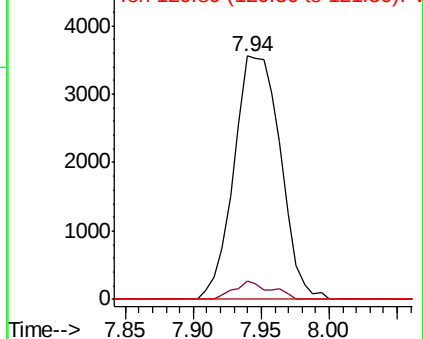
121 0.0 24.3 36.5#



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: 1.590 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW007458.D

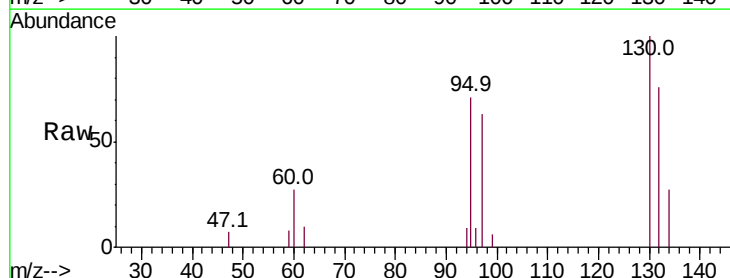
Acq: 13 Dec 2018 00:30

Tgt Ion:130 Resp: 1658

Ion Ratio Lower Upper

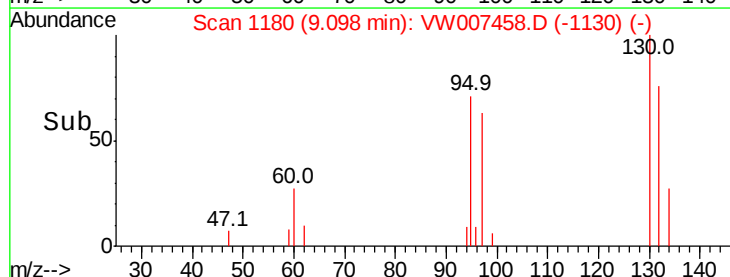
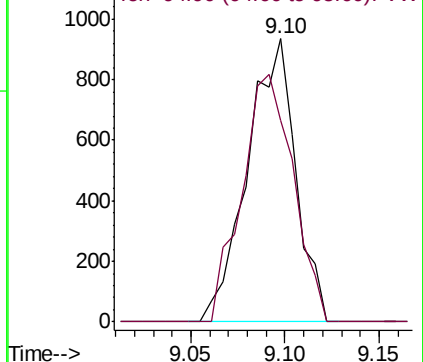
130 100

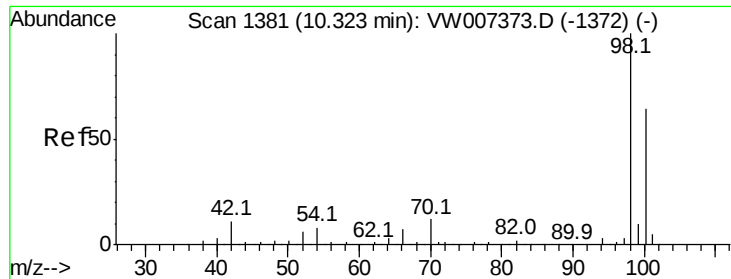
95 71.3 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 35.974 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007458.D

Acq: 13 Dec 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

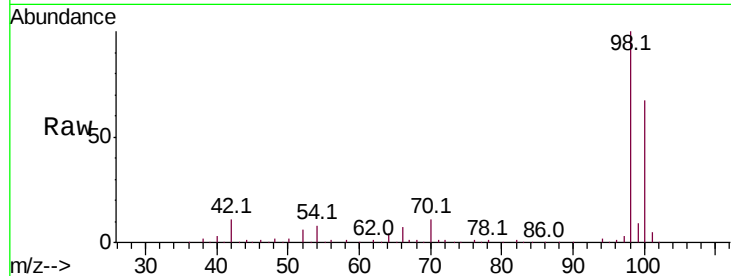
S32-0633

Tot Ion: 98 Resp: 117773

Ion Ratio Lower Upper

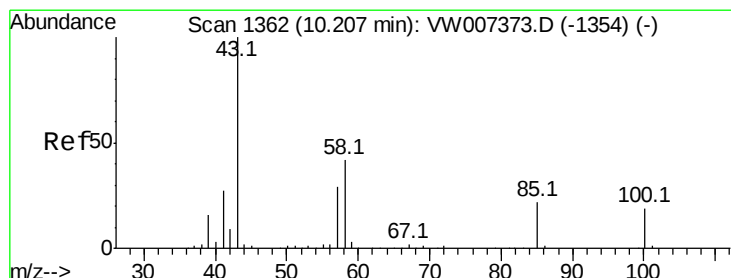
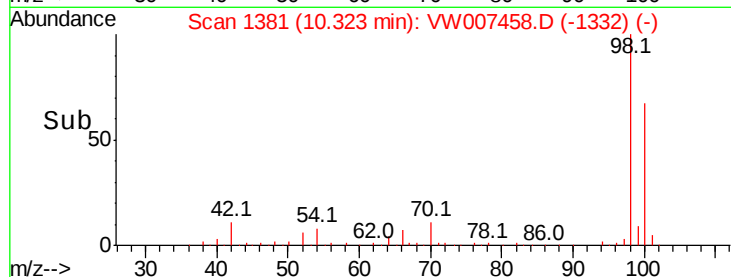
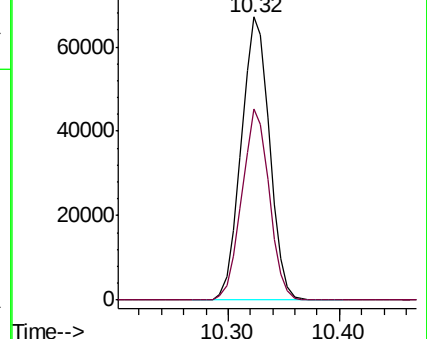
98 100

100 65.5 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: 1.200 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW007458.D

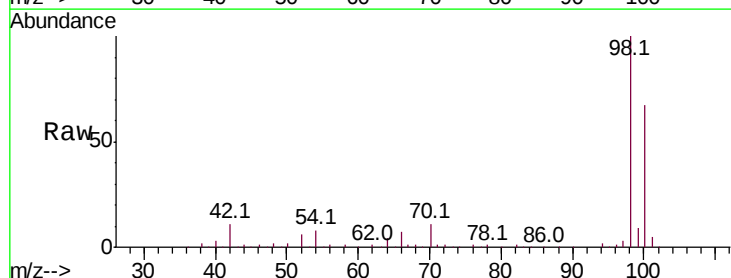
Acq: 13 Dec 2018 00:30

Tgt Ion: 43 Resp: 548

Ion Ratio Lower Upper

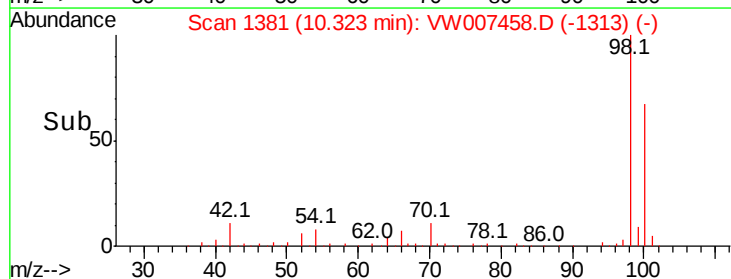
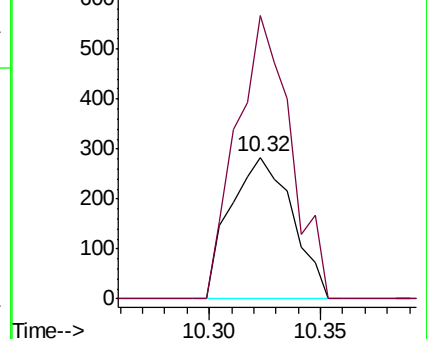
43 100

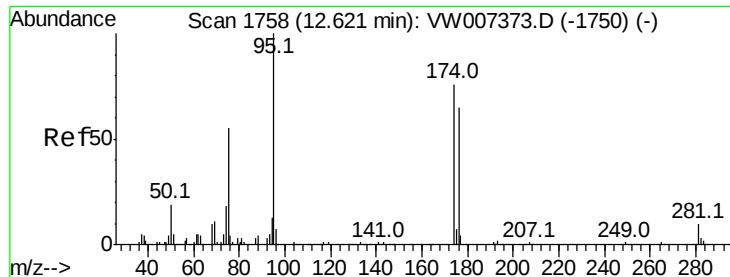
58 175.0 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

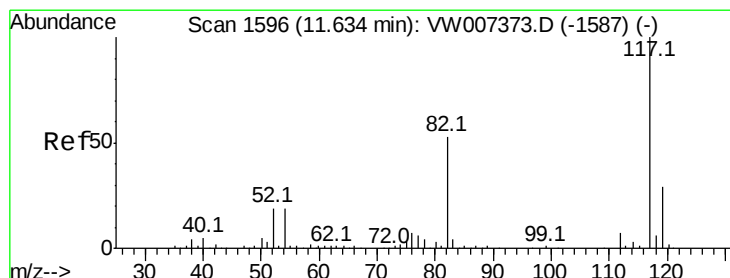
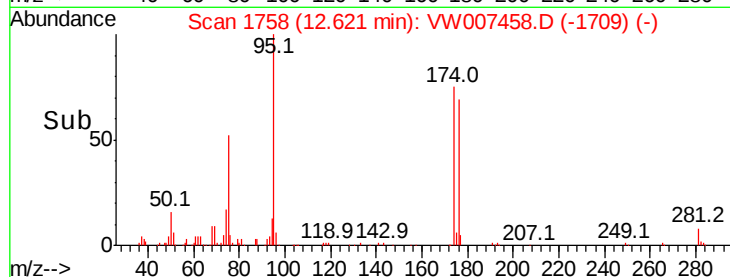
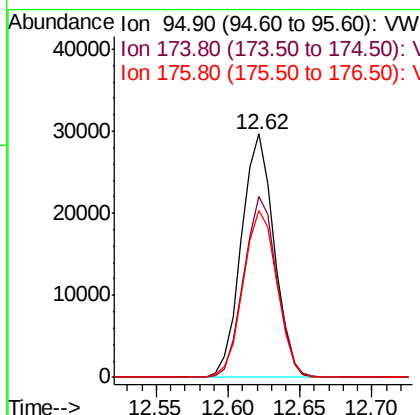
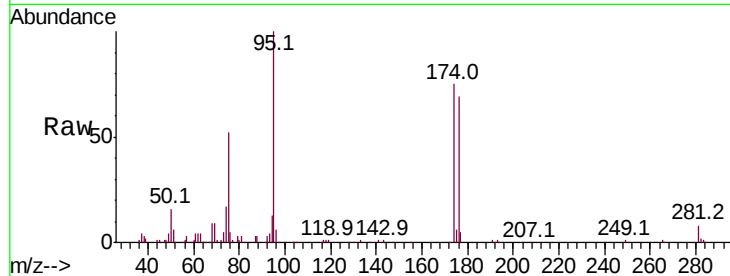




#62
4-Bromofluorobenzene
Concen: 38.674 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007458.D
Acq: 13 Dec 2018 00:30

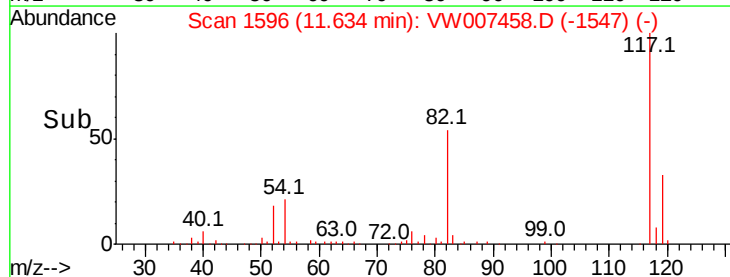
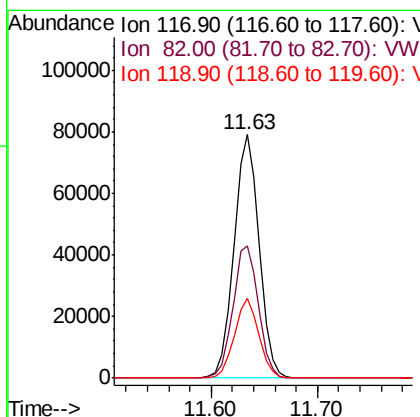
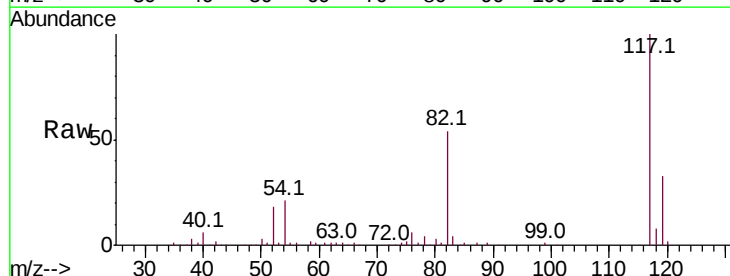
Instrument :
MSVOA_W
ClientSampleId :
S32-0633

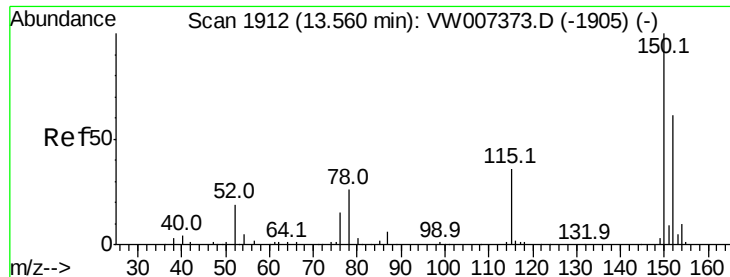
Tot Ion: 95 Resp: 46552
Ion Ratio Lower Upper
95 100
174 75.5 0.0 147.2
176 71.1 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007458.D
Acq: 13 Dec 2018 00:30

Tgt Ion: 117 Resp: 130250
Ion Ratio Lower Upper
117 100
82 54.1 42.3 63.5
119 32.6 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: VW007458.D

Acq: 13 Dec 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

S32-0633

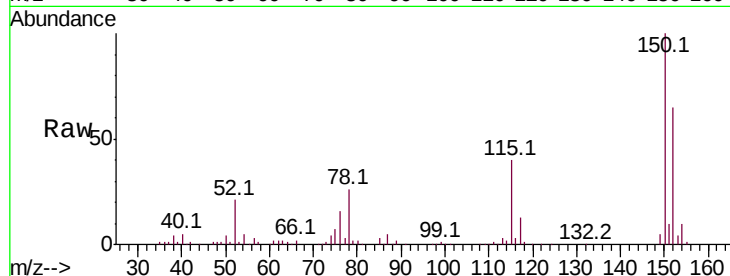
Tot Ion:152 Resp: 63372

Ion Ratio Lower Upper

152 100

115 62.6 31.4 94.2

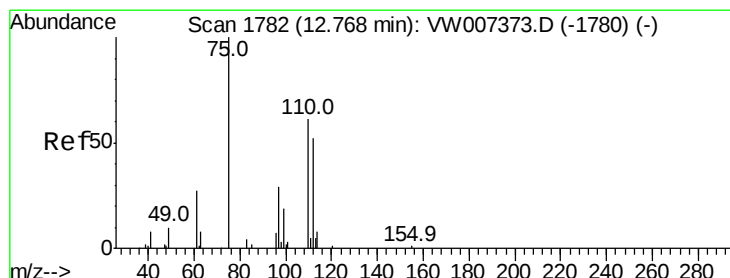
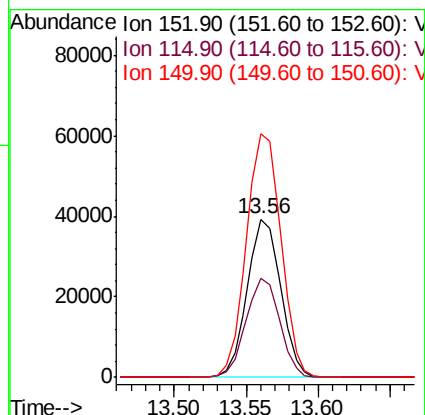
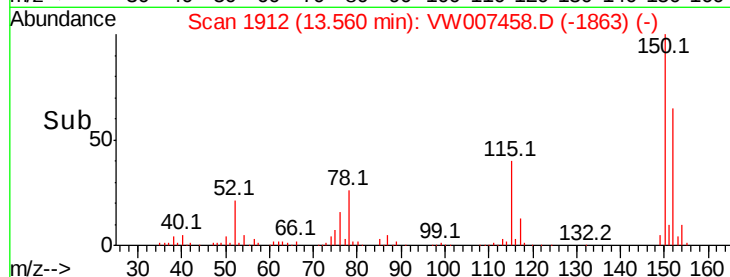
150 158.6 0.0 358.4



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: 45.753 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007458.D

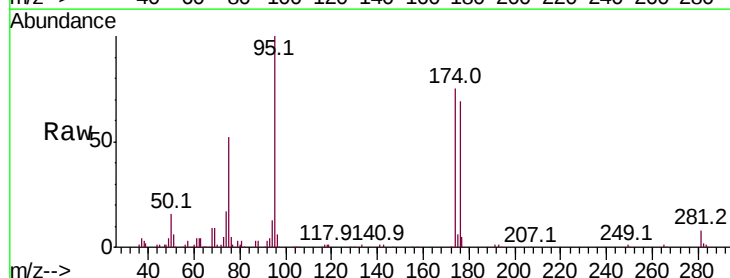
Acq: 13 Dec 2018 00:30

Tgt Ion: 75 Resp: 23907

Ion Ratio Lower Upper

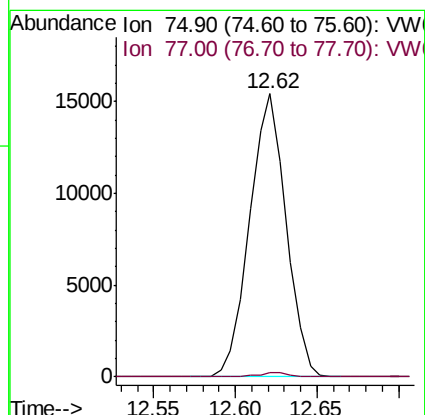
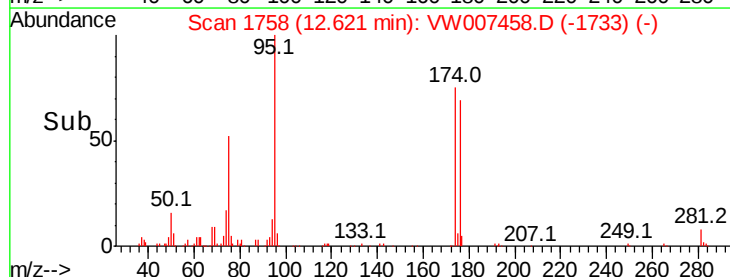
75 100

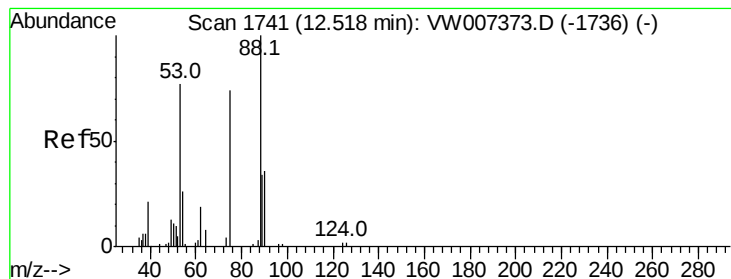
77 1.1 166.9 500.8#



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: 101.069 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007458.D

Acq: 13 Dec 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

S32-0633

Tot Ion: 75 Resp: 23907

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#

