

Data File : VW013125.D
Acq On : 18 Sep 2019 20:20
Operator : SY/VA
Sample : K4942-07
Misc : 5.05G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-4

Quant Time: Sep 19 07:58:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 13 17:26:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276550	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	140918	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	129056	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.88	113	121073	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	10.32	98	483759	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
62) 4-Bromofluorobenzene	12.62	95	145600	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	

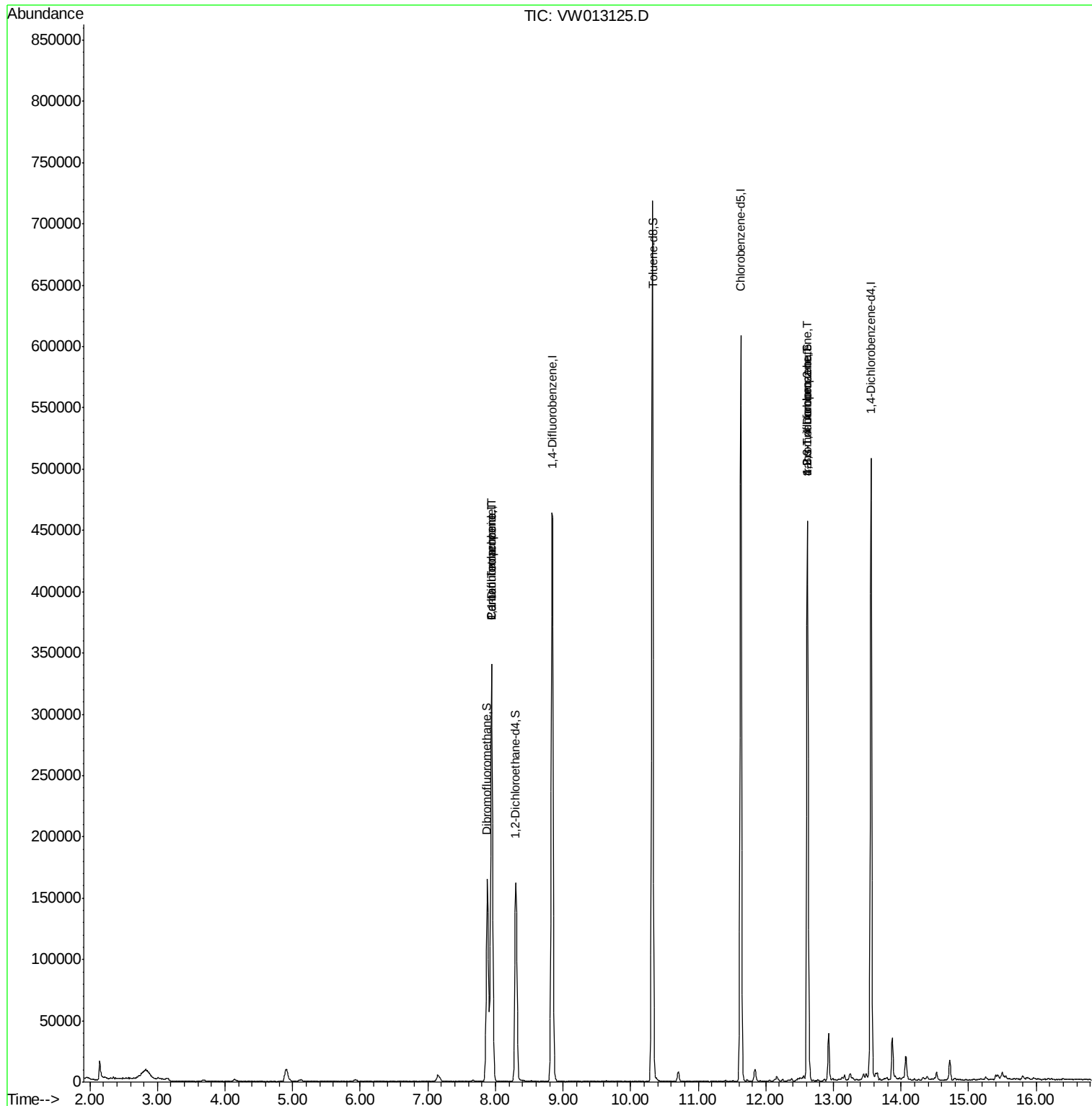
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.03	85	21	Below Cal	#	44
3) Chloromethane	2.20	50	119	Below Cal	#	64
11) Tert butyl alcohol	5.20	59	70	Below Cal	#	72
16) Acetone	4.14	43	4105	Below Cal	#	81
20) Methylene Chloride	4.90	84	8375	Below Cal	#	87
26) 2,2-Dichloropropane	7.14	77	331	Below Cal	#	55
31) Cyclohexane	7.95	56	5071	Below Cal	#	1
36) 1,1-Dichloropropene	7.94	75	18189	5.448 ug/l	#	51
38) Carbon Tetrachloride	7.94	117	23832	6.965 ug/l	#	15
76) 1,2,3-Trichloropropane	12.62	75	71278	57.746 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71278	130.996 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. 0.00 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampled :

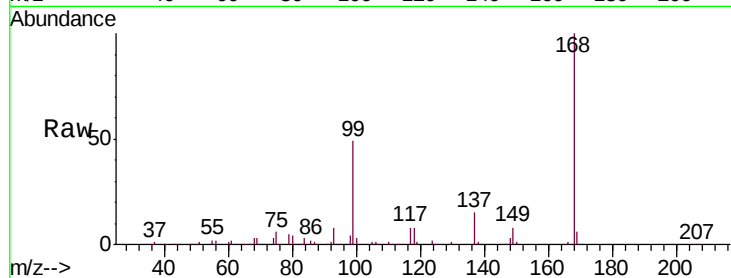
TP-4

Tgt Ion:168 Resp: 276550

Ion Ratio Lower Upper

168 100

99 49.2 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

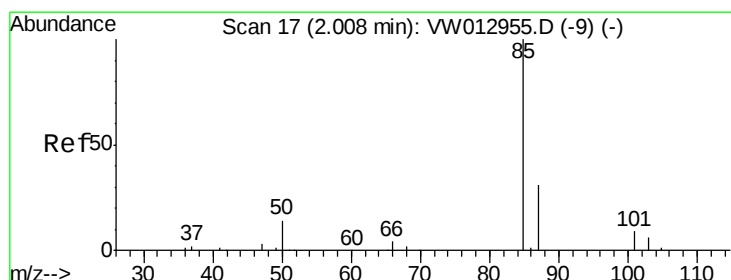
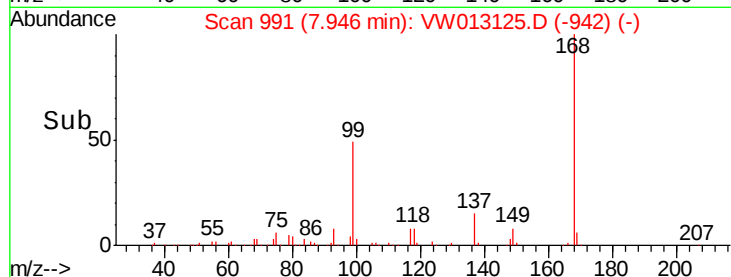
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.03 min Scan# 21

Delta R.T. 0.02 min

Lab File: VW013125.D

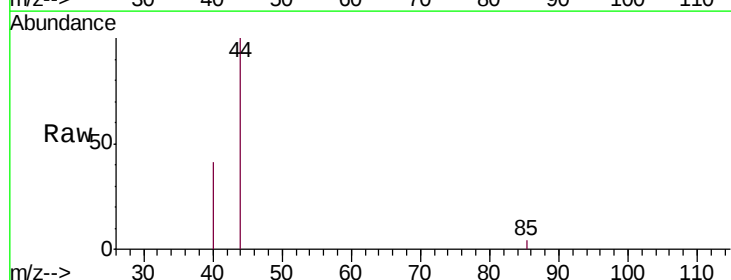
Acq: 18 Sep 2019 20:20

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.03

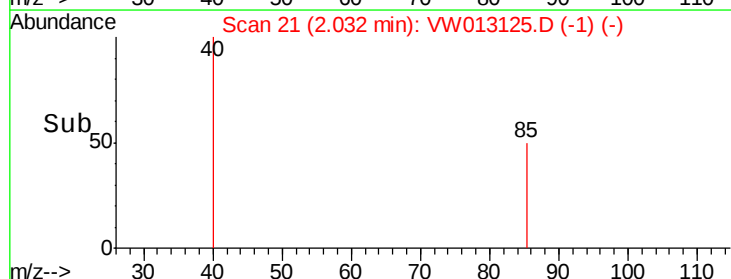
60

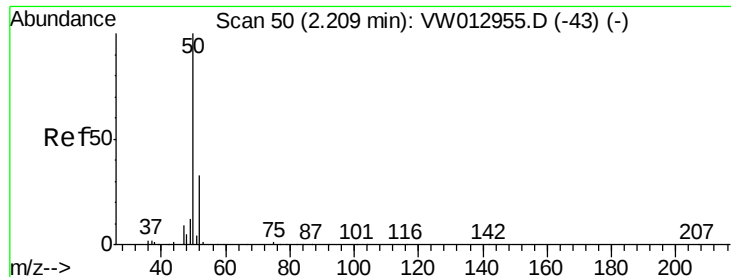
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

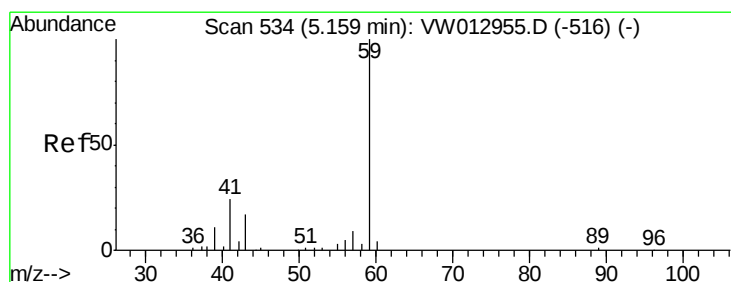
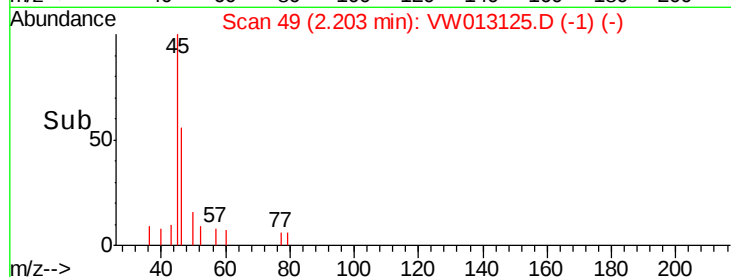
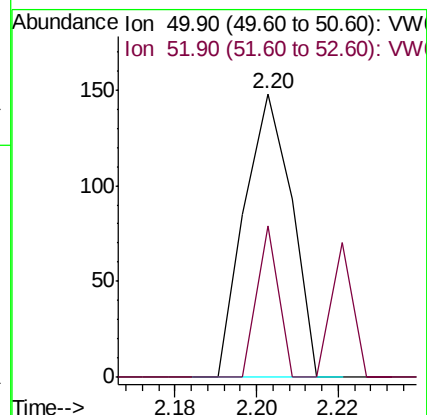
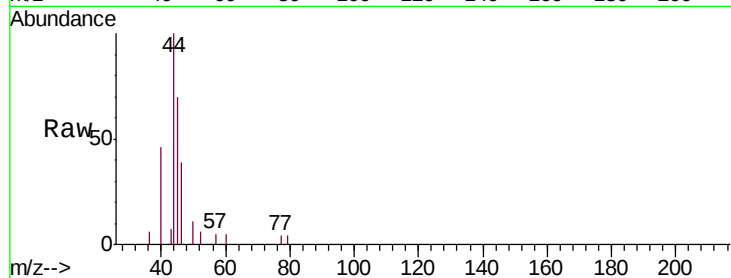
TP-4

Tgt Ion: 50 Resp: 119

Ion Ratio Lower Upper

50 100

52 53.4 26.6 39.8#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 540

Delta R.T. 0.04 min

Lab File: VW013125.D

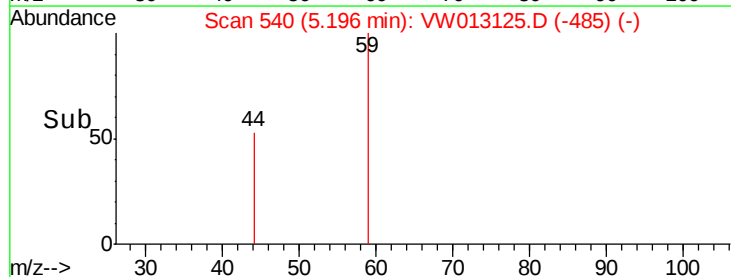
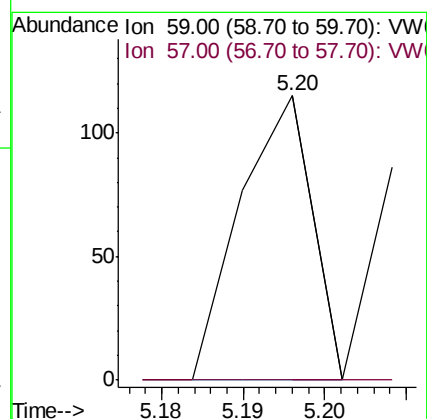
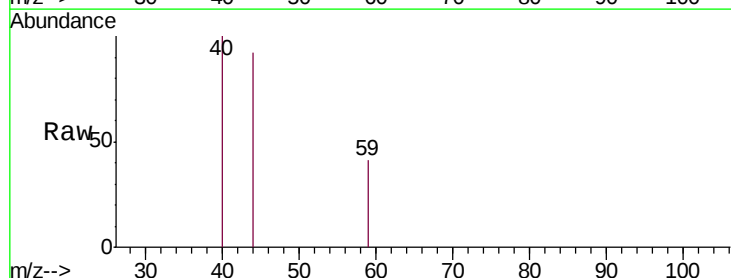
Acq: 18 Sep 2019 20:20

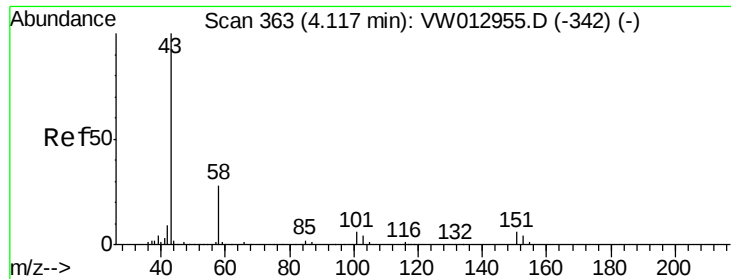
Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

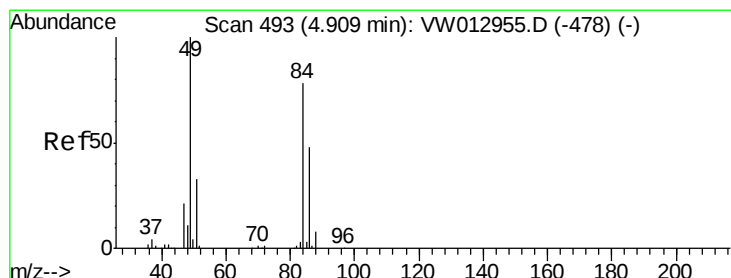
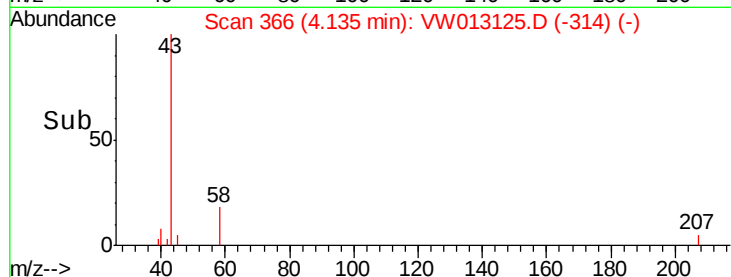
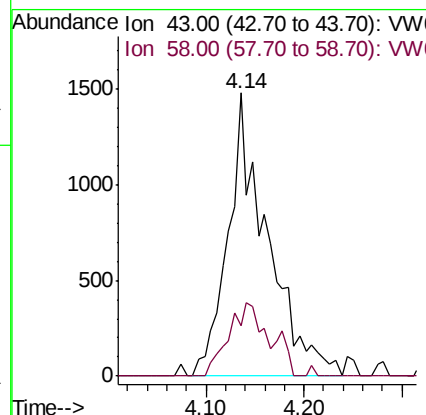
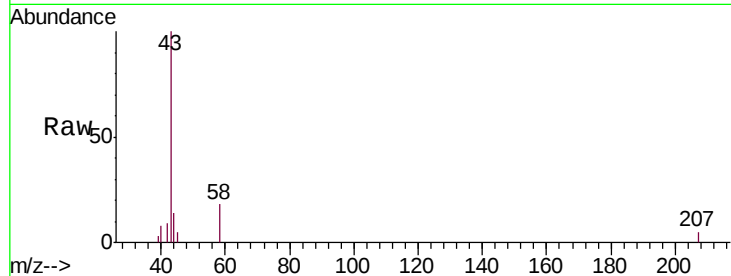




#16
Acetone
Concen: Below Cal
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW013125.D
Acq: 18 Sep 2019 20:20

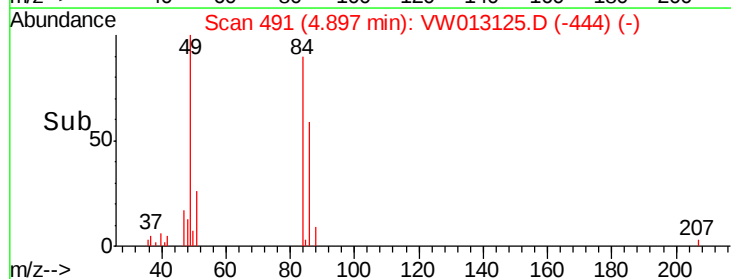
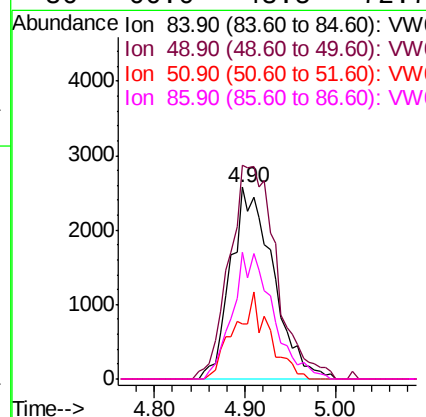
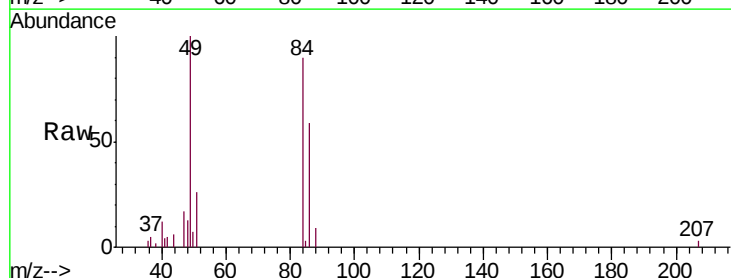
Instrument :
MSVOA_W
ClientSampleId :
TP-4

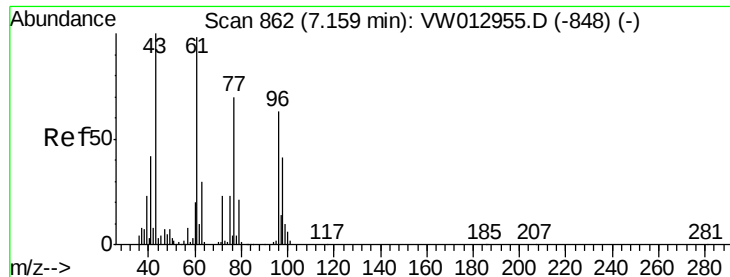
Tgt Ion: 43 Resp: 4105
Ion Ratio Lower Upper
43 100
58 17.7 22.3 33.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 491
Delta R.T. -0.01 min
Lab File: VW013125.D
Acq: 18 Sep 2019 20:20

Tgt Ion: 84 Resp: 8375
Ion Ratio Lower Upper
84 100
49 111.6 102.0 153.0
51 28.8 34.0 51.0#
86 66.0 48.5 72.7

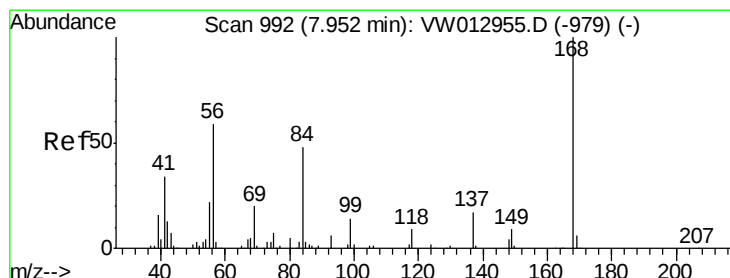
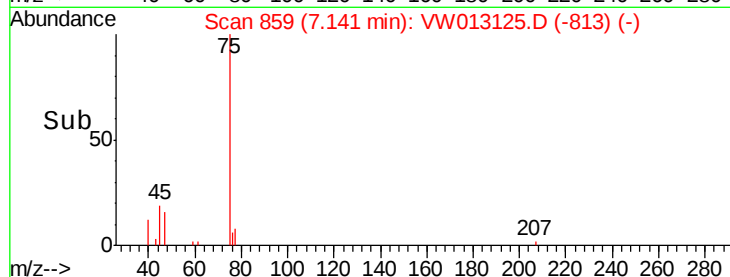
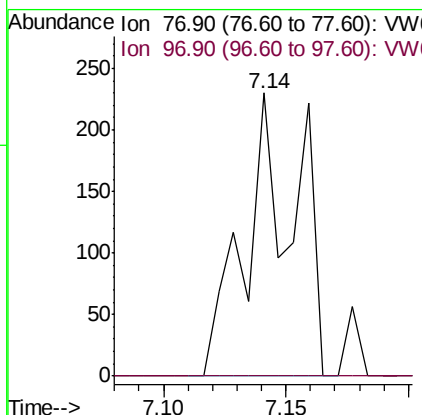
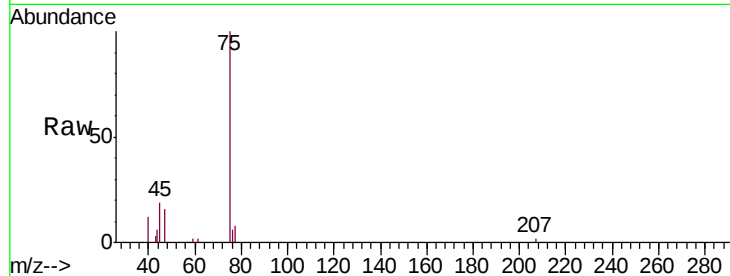




#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.14 min Scan# 859
Delta R.T. -0.02 min
Lab File: VW013125.D
Acq: 18 Sep 2019 20:20

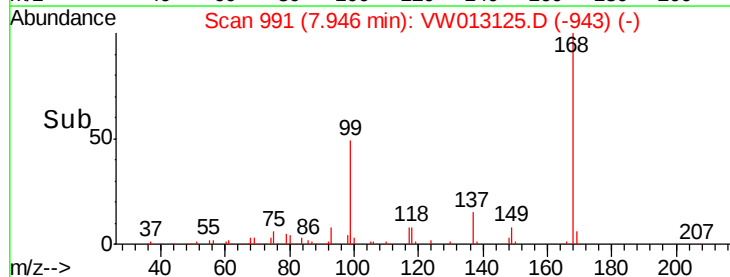
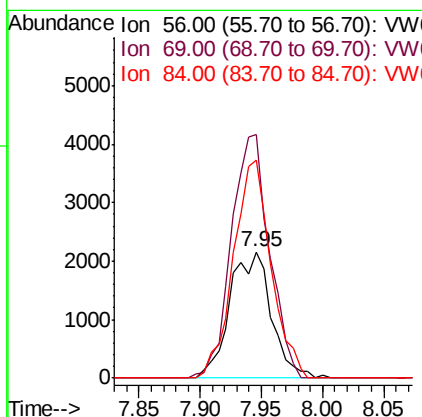
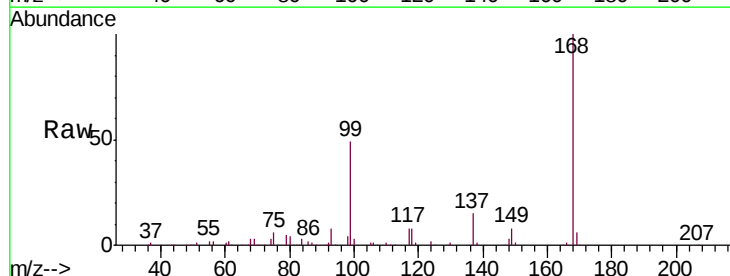
Instrument :
MSVOA_W
ClientSampleId :
TP-4

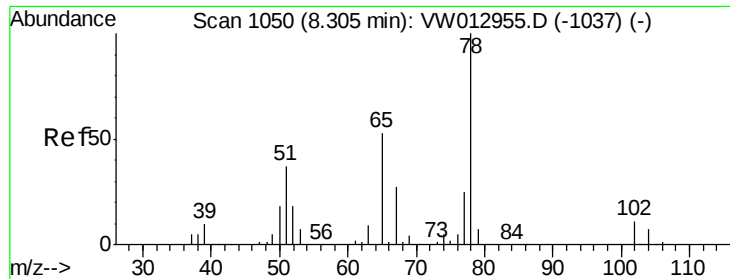
Tgt Ion: 77 Resp: 331
Ion Ratio Lower Upper
77 100
97 0.0 10.7 32.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013125.D
Acq: 18 Sep 2019 20:20

Tgt Ion: 56 Resp: 5071
Ion Ratio Lower Upper
56 100
69 193.0 27.0 40.6#
84 173.1 66.2 99.2#

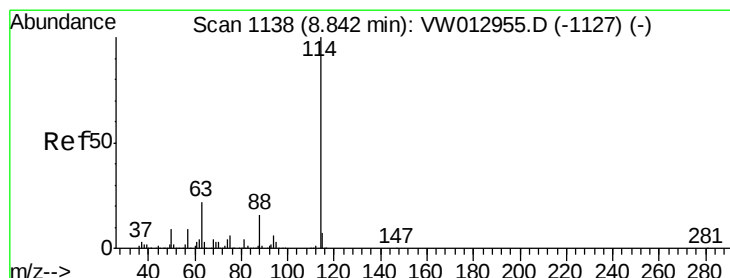
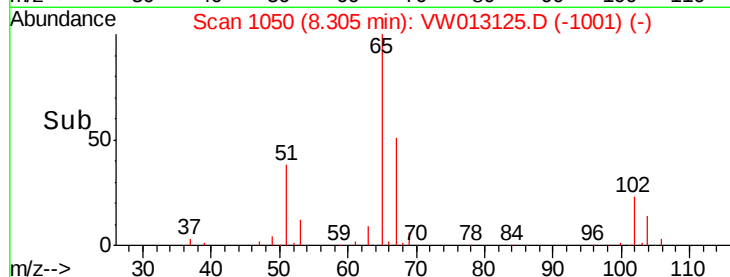
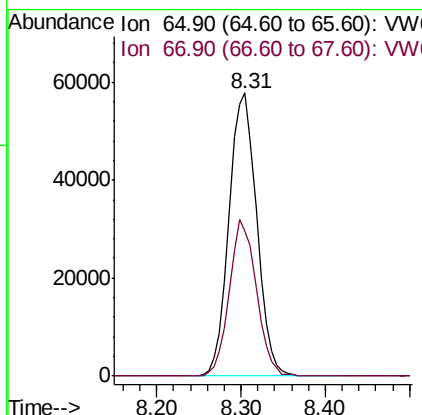
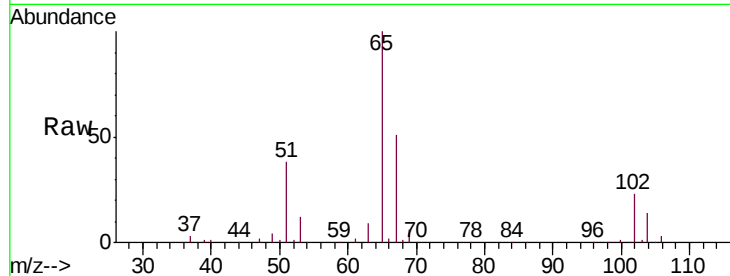




#33
 1,2-Dichloroethane-d4
 Concen: 50.528 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013125.D
 Acq: 18 Sep 2019 20:20

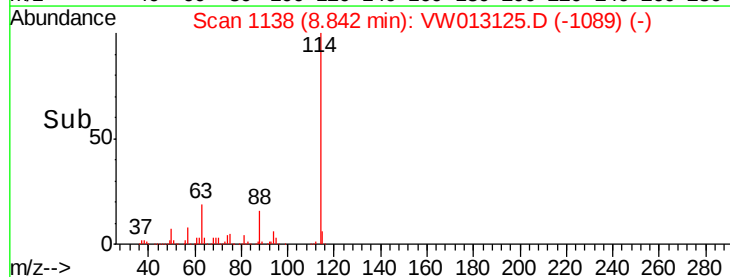
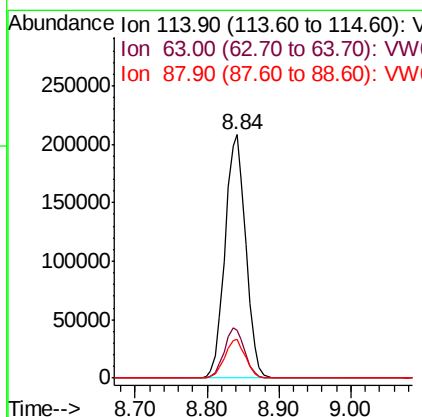
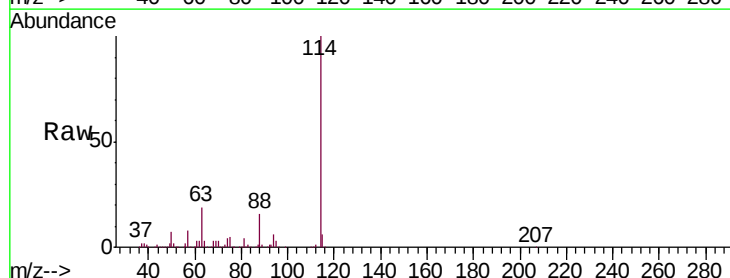
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-4

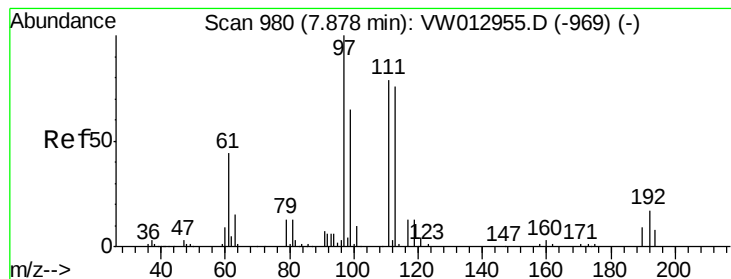
Tgt Ion: 65 Resp: 129056
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013125.D
 Acq: 18 Sep 2019 20:20

Tgt Ion: 114 Resp: 417824
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.4
 88 15.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.403 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

TP-4

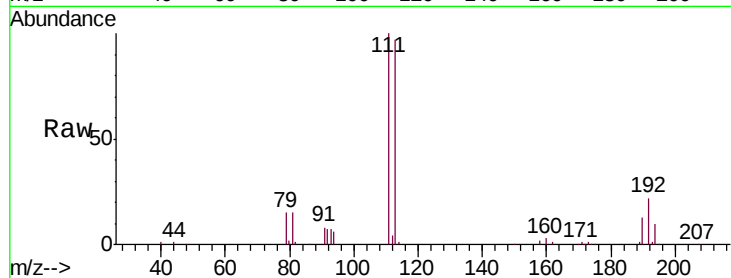
Tgt Ion:113 Resp: 121073

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

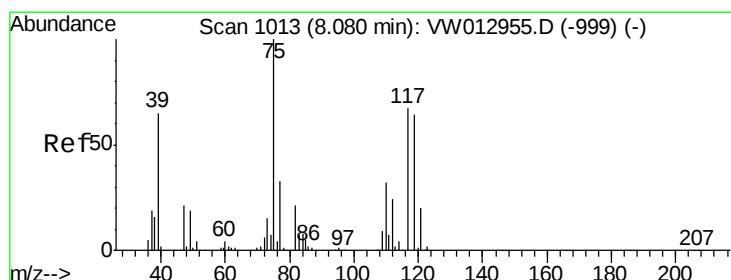
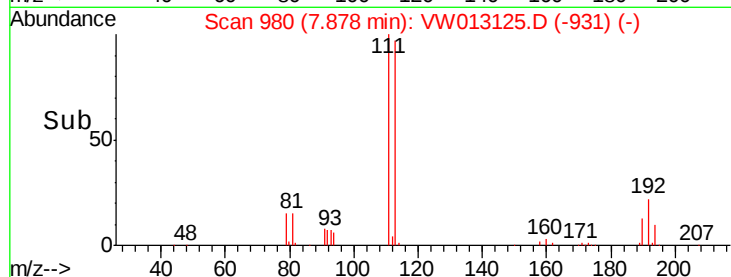
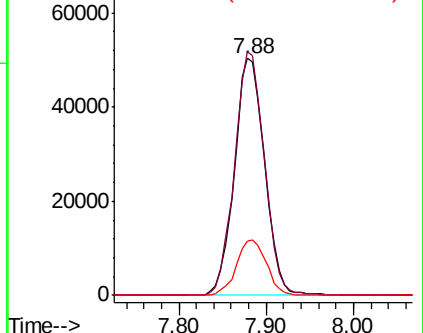
192 23.2 17.8 26.8



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: 5.448 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

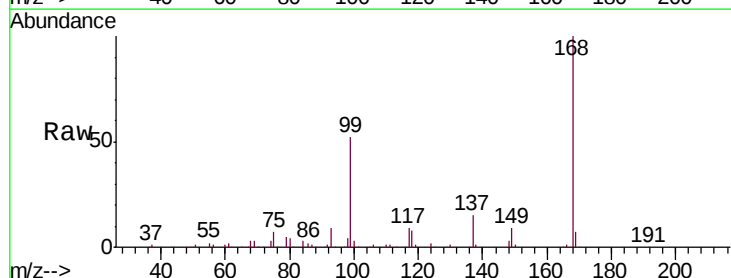
Tgt Ion: 75 Resp: 18189

Ion Ratio Lower Upper

75 100

110 8.9 16.4 49.1#

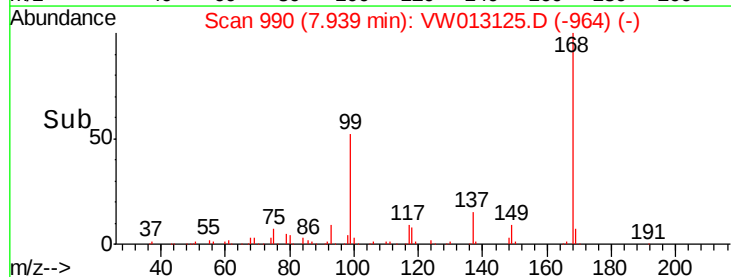
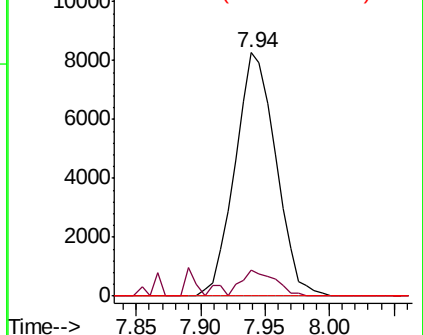
77 0.0 25.1 37.7#

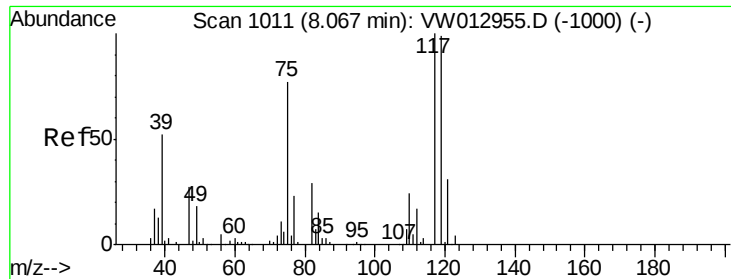


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.965 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampled :

TP-4

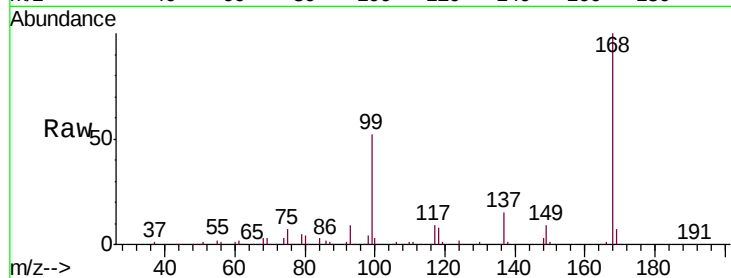
Tgt Ion:117 Resp: 23832

Ion Ratio Lower Upper

117 100

119 6.2 79.4 119.0#

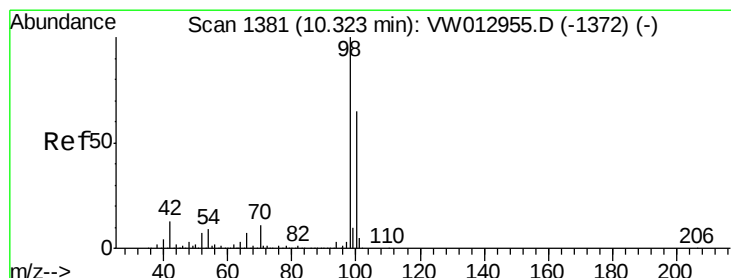
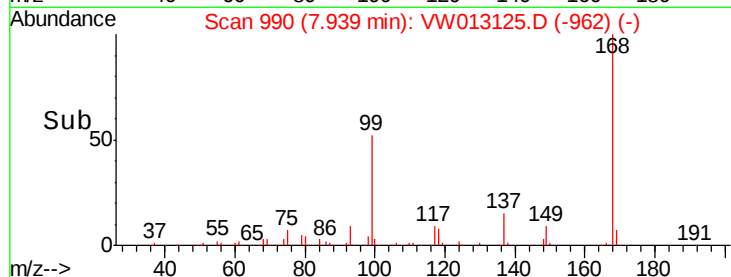
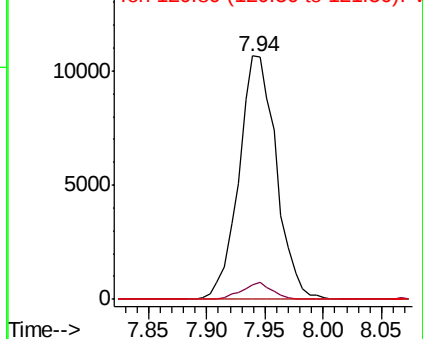
121 0.0 24.6 36.8#



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: 54.529 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW013125.D

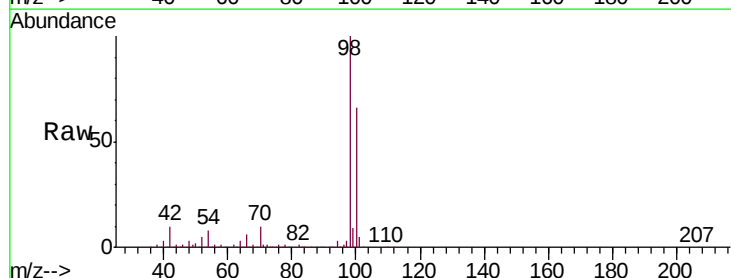
Acq: 18 Sep 2019 20:20

Tgt Ion: 98 Resp: 483759

Ion Ratio Lower Upper

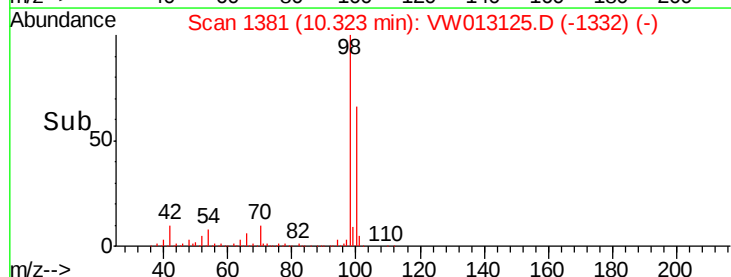
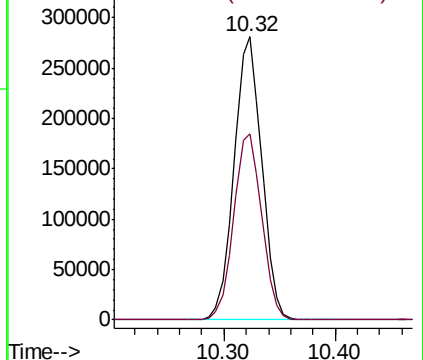
98 100

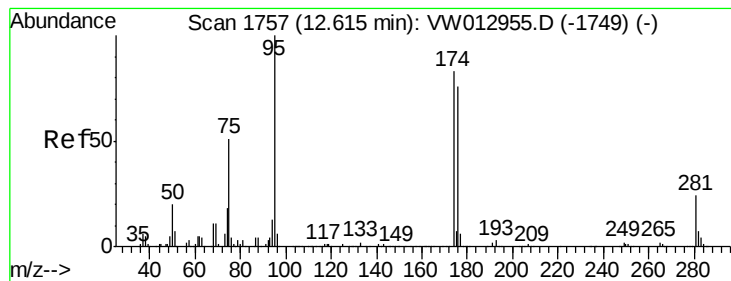
100 66.5 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 45.642 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

TP-4

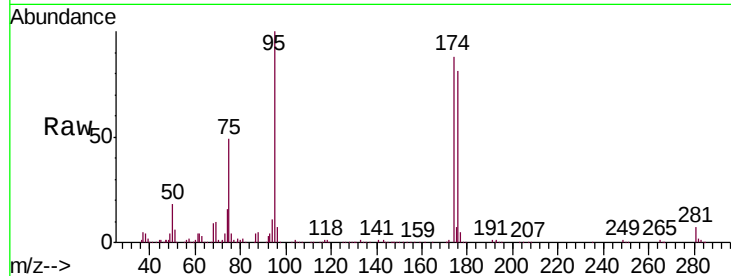
Tgt Ion: 95 Resp: 145600

Ion Ratio Lower Upper

95 100

174 88.7 0.0 170.4

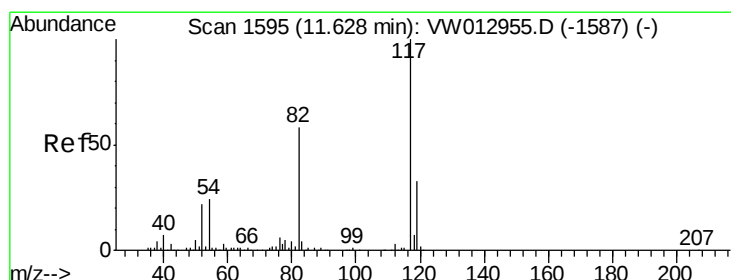
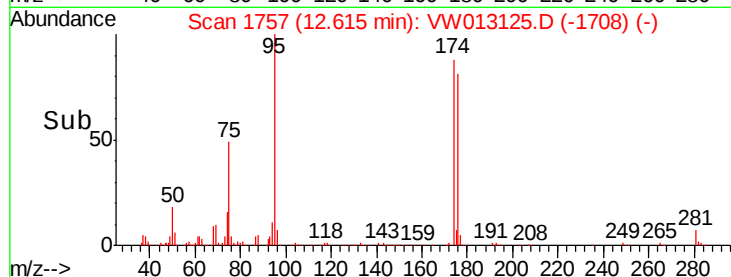
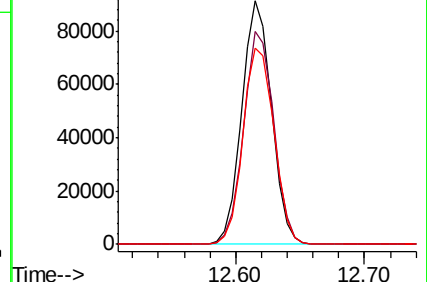
176 84.5 0.0 164.6



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# 1595

Delta R.T. -0.00 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

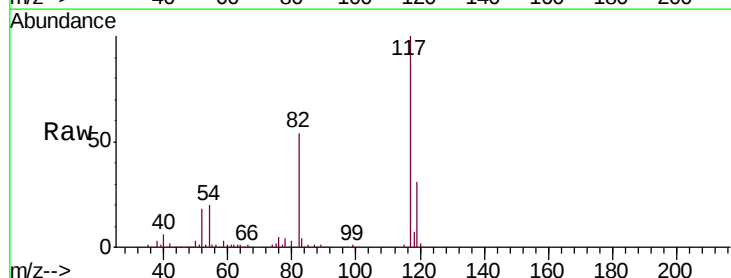
Tgt Ion: 117 Resp: 350864

Ion Ratio Lower Upper

117 100

82 53.7 46.3 69.5

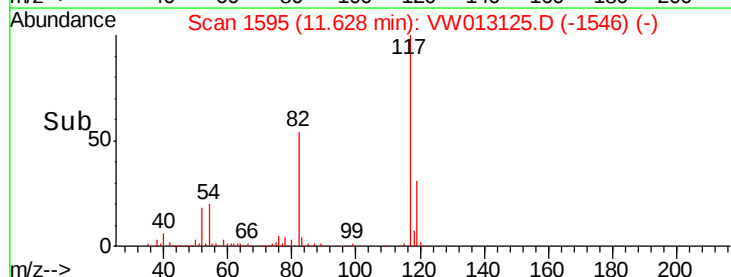
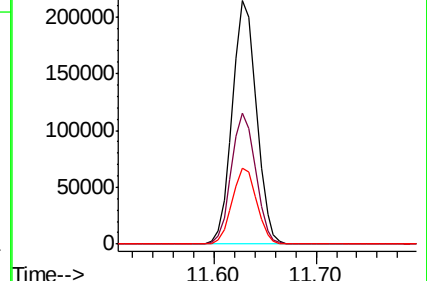
119 31.0 26.2 39.4

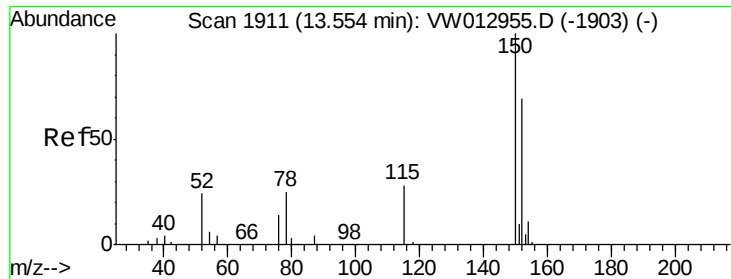


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



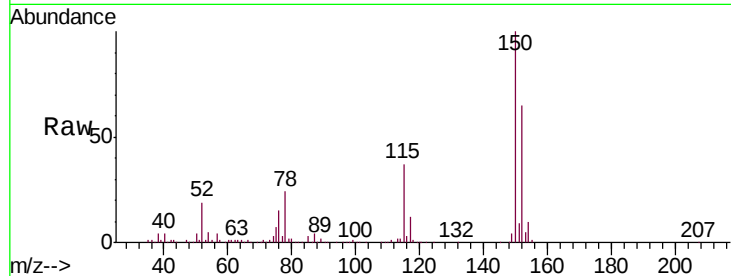


#72

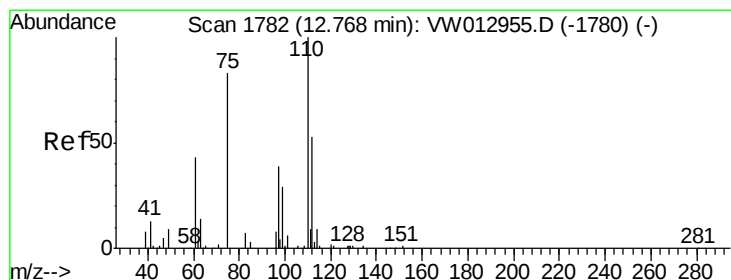
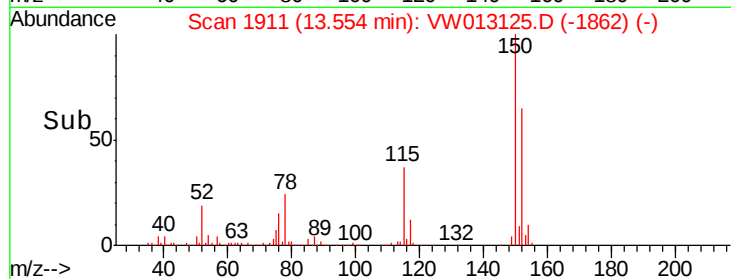
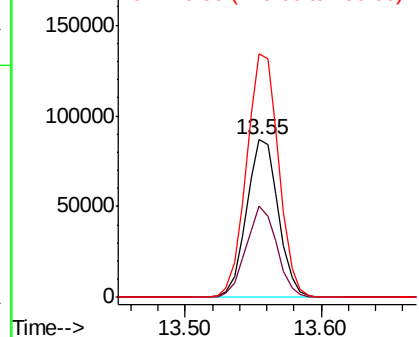
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW013125.D
Acq: 18 Sep 2019 20:20

Instrument :
MSVOA_W
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 140918
Ion Ratio Lower Upper
152 100
115 56.2 28.8 86.4
150 156.9 0.0 340.2



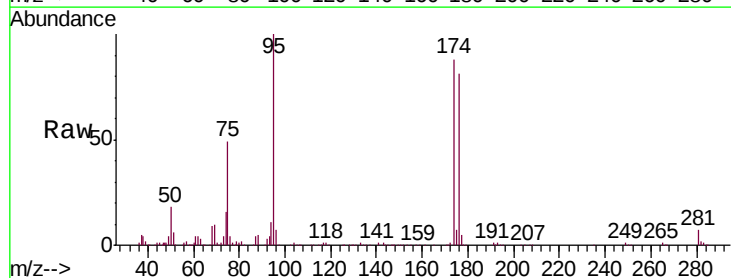
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



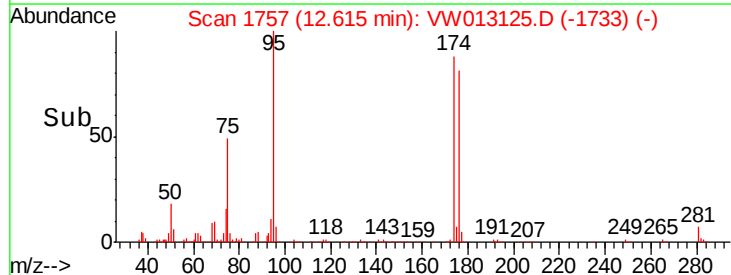
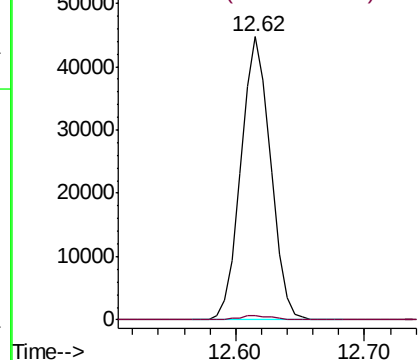
#76

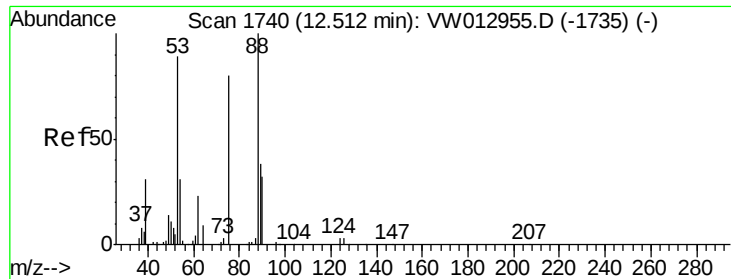
1,2,3-Trichloropropane
Concen: 57.746 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013125.D
Acq: 18 Sep 2019 20:20

Tgt Ion: 75 Resp: 71278
Ion Ratio Lower Upper
75 100
77 1.6 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: 130.996 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013125.D

Acq: 18 Sep 2019 20:20

Instrument :

MSVOA_W

ClientSampleId :

TP-4

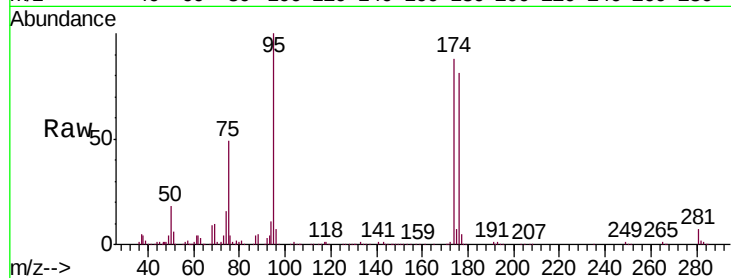
Tgt Ion: 75 Resp: 71278

Ion Ratio Lower Upper

75 100

53 0.0 85.6 128.4#

89 0.0 37.2 55.8#



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

