

Data File : VW013989.D
Acq On : 12 Nov 2019 21:16
Operator : SY/VA
Sample : K5789-06RE
Misc : 6.33G/5.0ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
TP-16B-S2

Quant Time: Nov 13 06:46:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168990	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	126428	58.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.66%	
35) Dibromofluoromethane	7.88	113	132728	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.32	98	525686	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.62	95	162486	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	

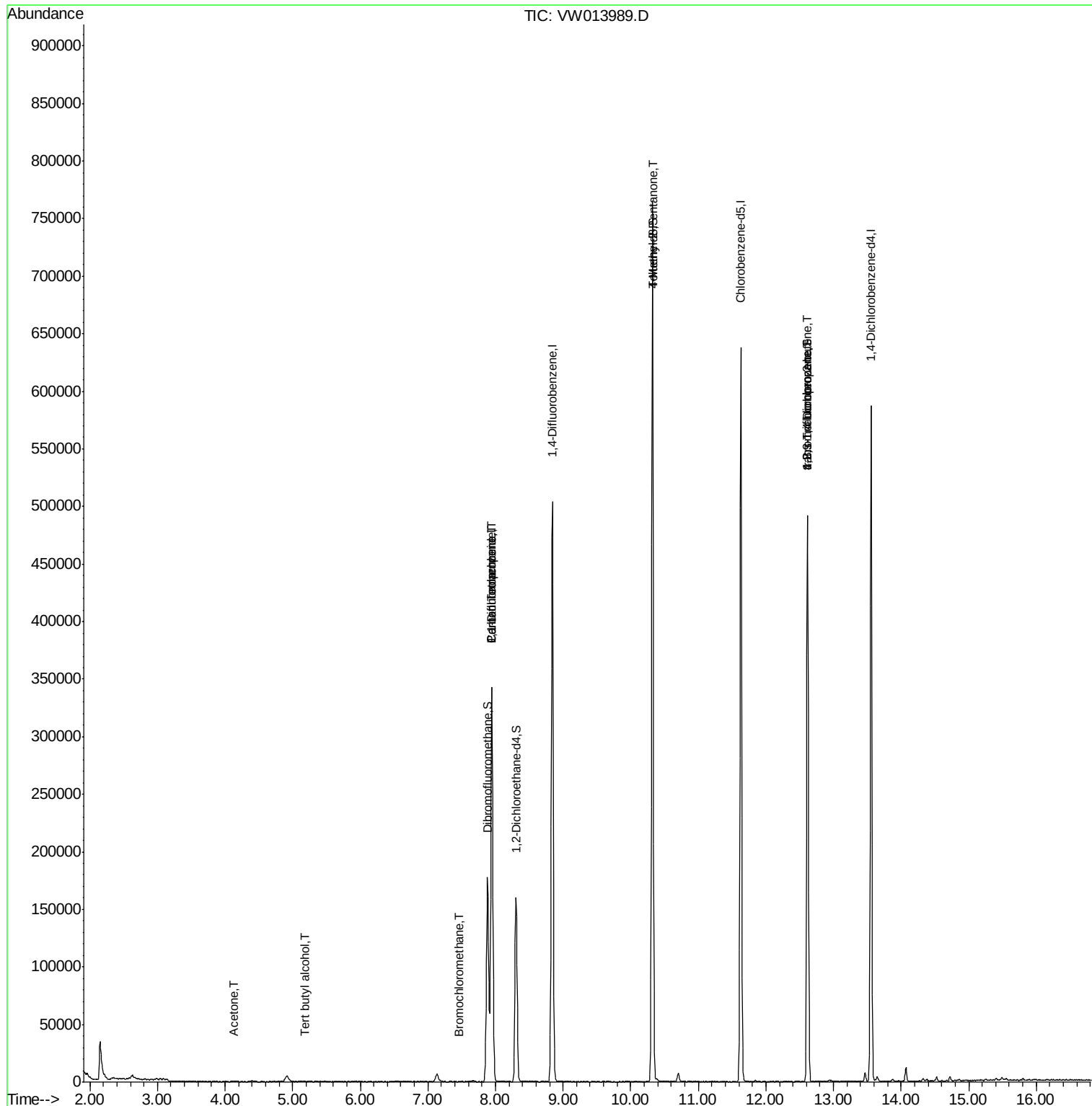
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.18	59	246	1.901	ug/l #	71
16) Acetone	4.13	43	1310	2.851	ug/l #	68
20) Methylene Chloride	4.91	84	4799	Below Cal	#	90
28) Bromochloromethane	7.46	49	30	1.358	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	17997	4.308	ug/l #	47
38) Carbon Tetrachloride	7.95	117	24745	6.578	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	2233	1.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	75266	62.020	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75266	117.208	ug/l #	14

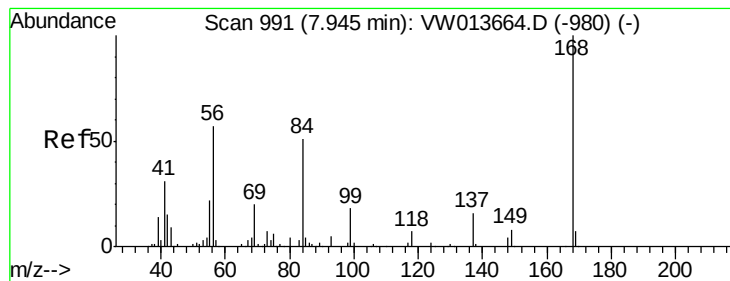
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013989.D

Acq: 12 Nov 2019 21:16

Instrument :

MSVOA_W

ClientSampleId :

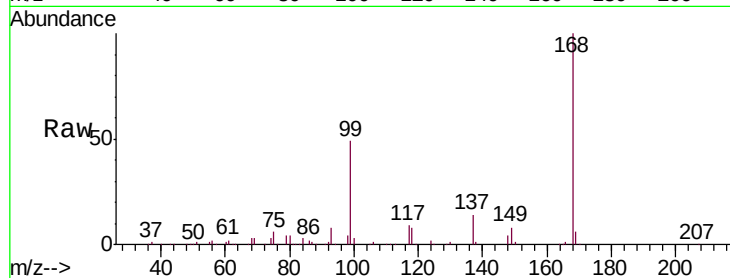
TP-16B-S2

Tgt Ion:168 Resp: 288929

Ion Ratio Lower Upper

168 100

99 48.6 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

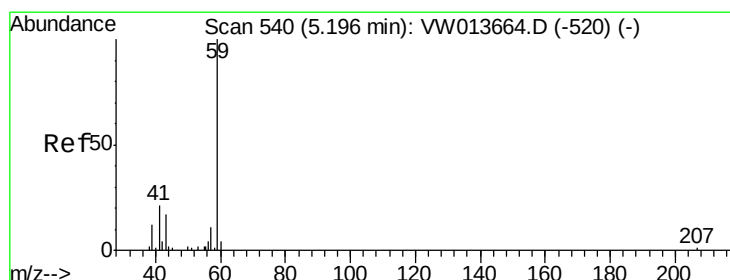
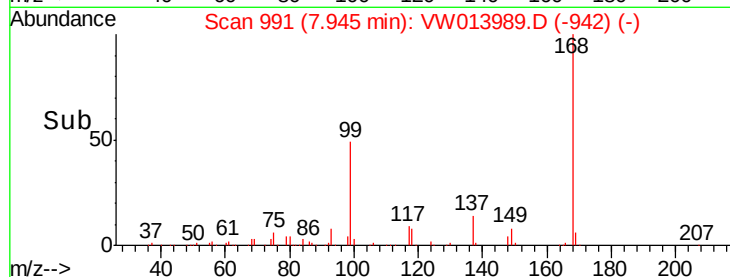
100000

50000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.901 ug/l

RT: 5.18 min Scan# 537

Delta R.T. -0.02 min

Lab File: VW013989.D

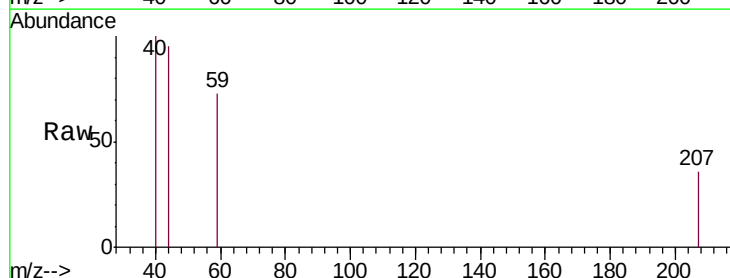
Acq: 12 Nov 2019 21:16

Tgt Ion: 59 Resp: 246

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

300

250

200

150

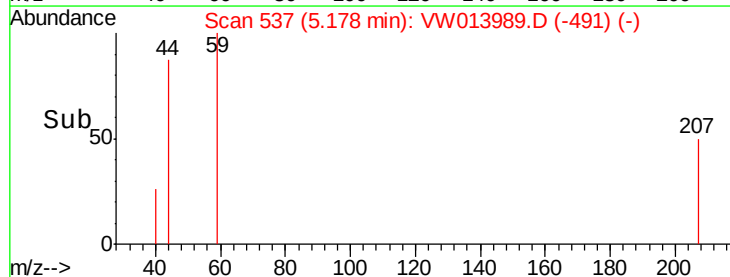
100

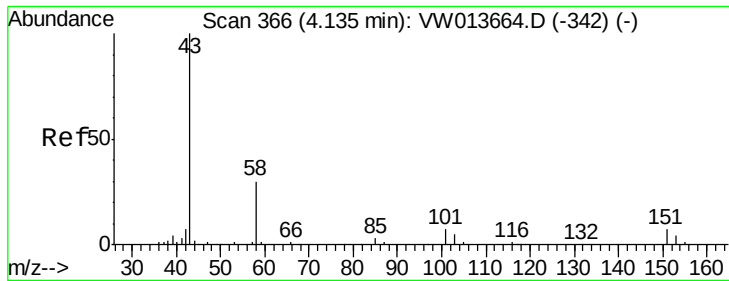
50

0

5.16 5.18 5.20

Time-->

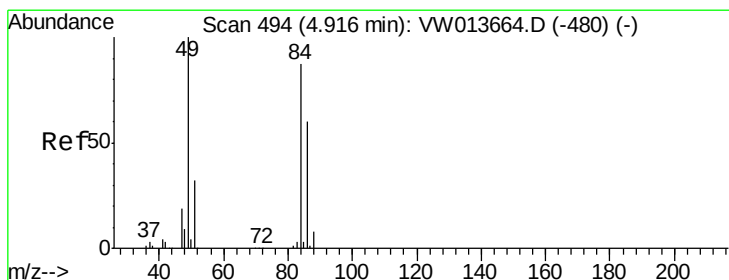
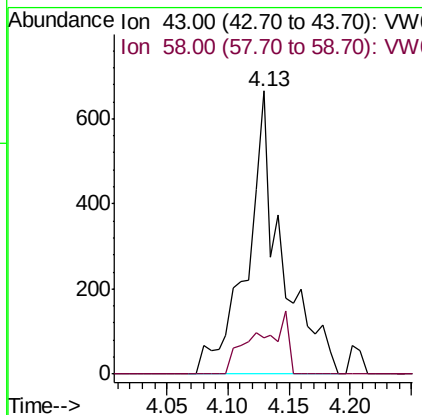
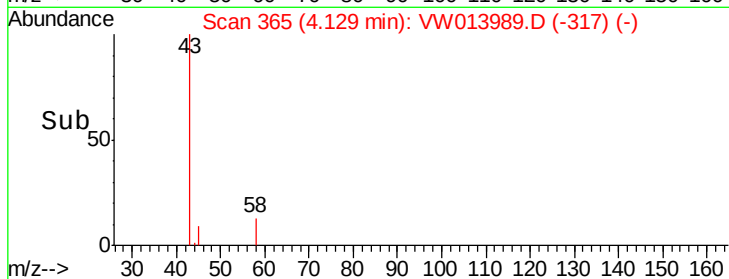
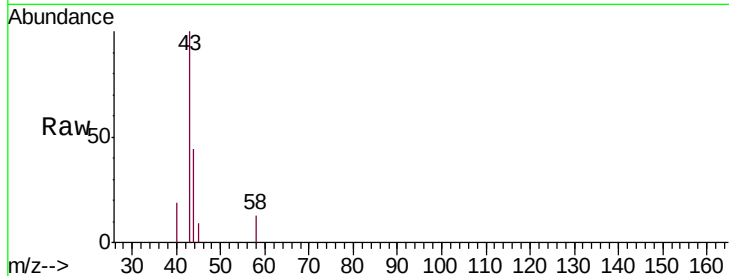




#16
Acetone
Concen: 2.851 ug/l
RT: 4.13 min Scan# 365
Delta R.T. -0.01 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

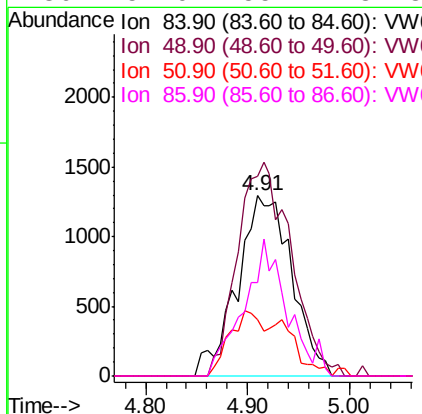
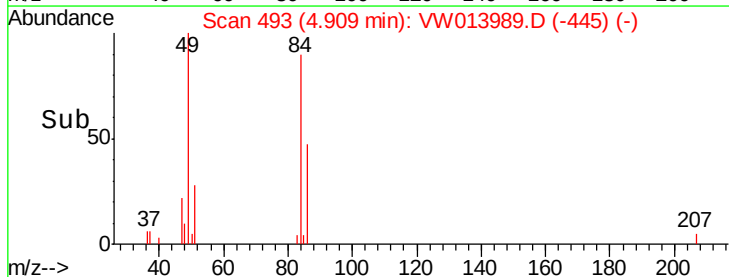
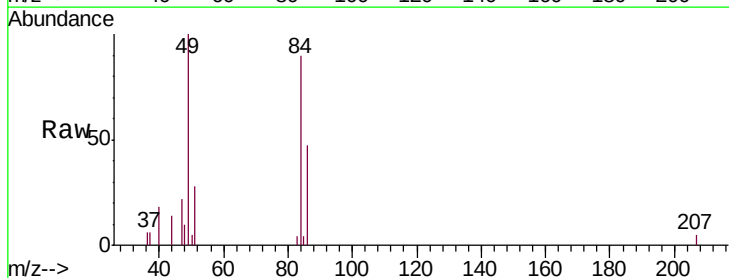
Instrument :
MSVOA_W
ClientSampleId :
TP-16B-S2

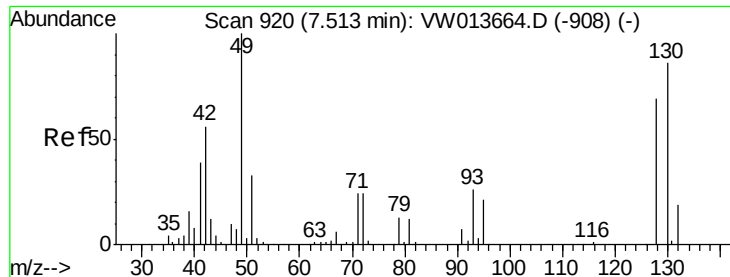
Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
58 12.6 24.1 36.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

Tgt Ion: 84 Resp: 4799
Ion Ratio Lower Upper
84 100
49 110.8 91.8 137.6
51 31.1 29.8 44.6
86 52.0 55.2 82.8#





#28

Bromochloromethane

Concen: 1.358 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.05 min

Lab File: VW013989.D

Acq: 12 Nov 2019 21:16

Instrument :

MSVOA_W

ClientSampleId :

TP-16B-S2

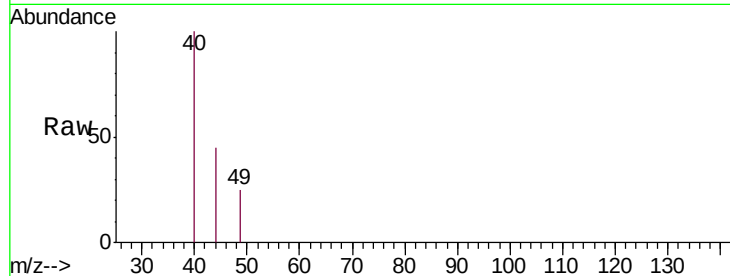
Tgt Ion: 49 Resp: 30

Ion Ratio Lower Upper

49 100

129 0.0 0.0 0.6

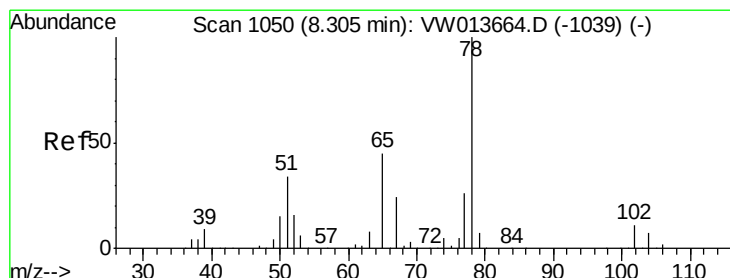
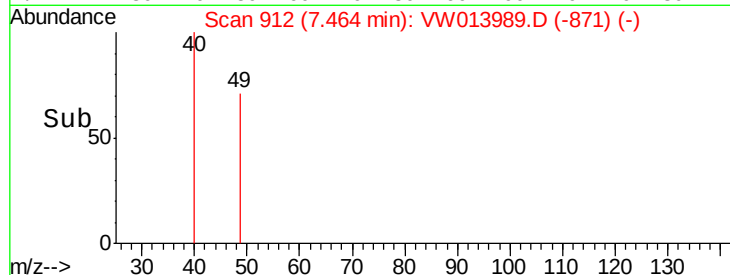
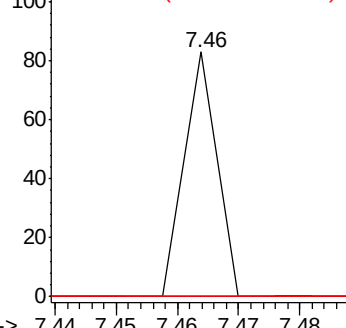
130 0.0 67.5 101.3#



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 58.331 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013989.D

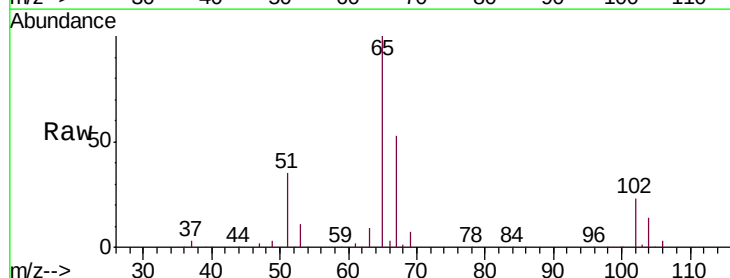
Acq: 12 Nov 2019 21:16

Tgt Ion: 65 Resp: 126428

Ion Ratio Lower Upper

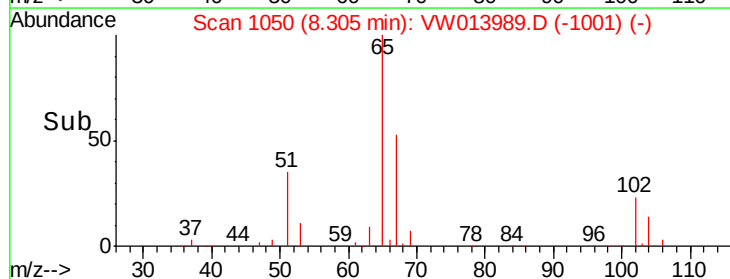
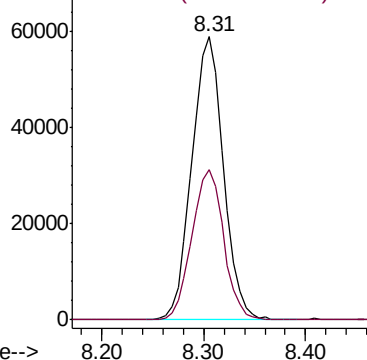
65 100

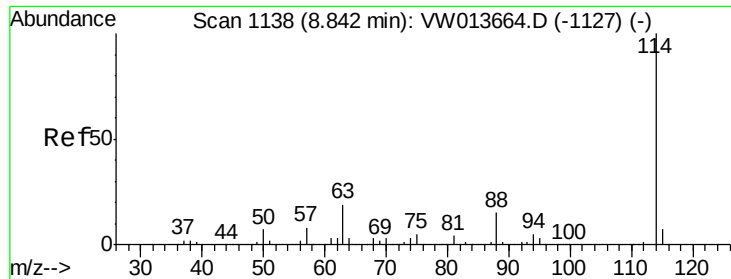
67 53.4 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

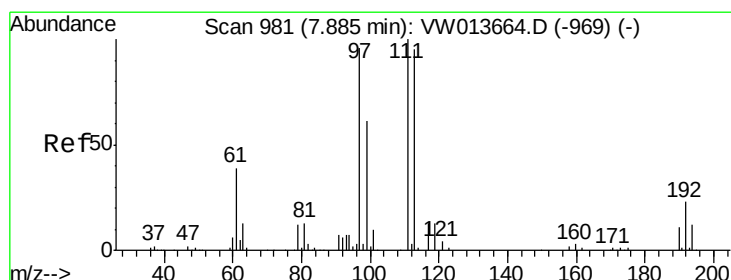
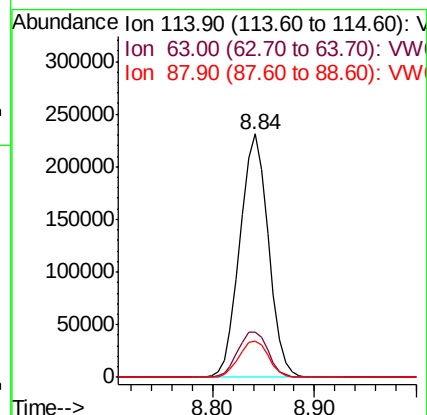
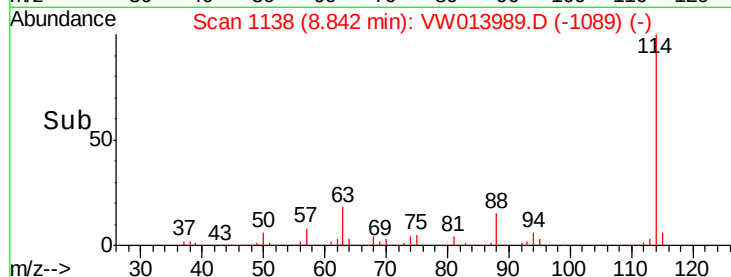
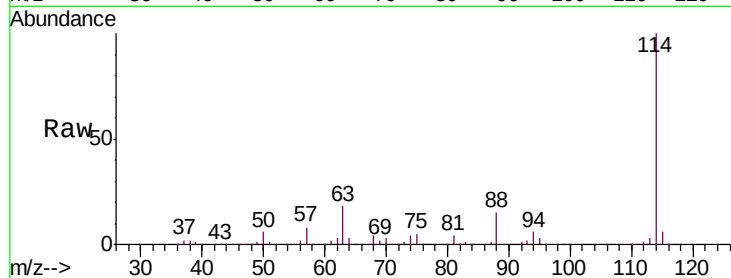




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

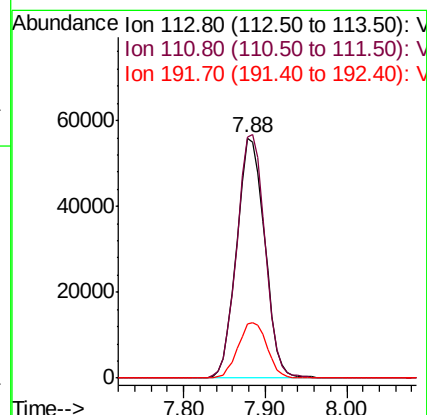
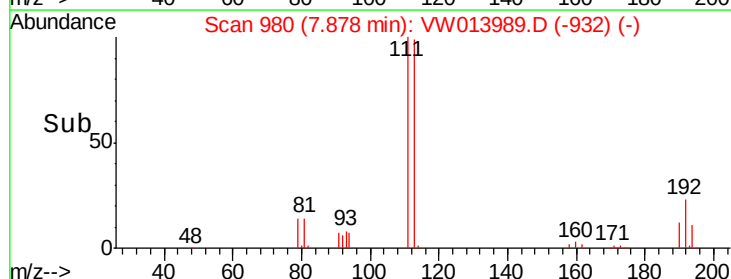
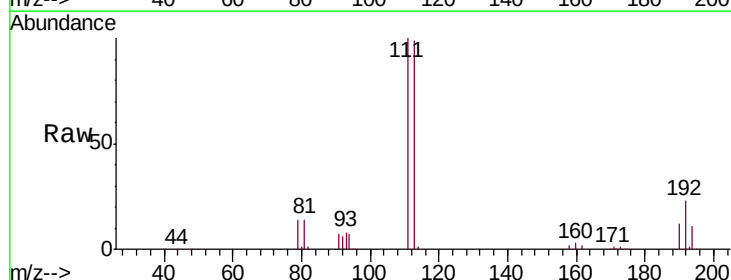
Instrument :
MSVOA_W
ClientSampleId :
TP-16B-S2

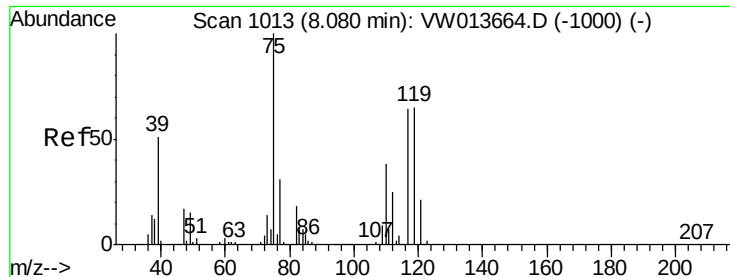
Tgt Ion:114 Resp: 448546
Ion Ratio Lower Upper
114 100
63 18.5 0.0 37.6
88 15.0 0.0 30.2



#35
Dibromofluoromethane
Concen: 53.254 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

Tgt Ion:113 Resp: 132728
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 23.9 19.4 29.2





#36

1,1-Dichloropropene

Concen: 4.308 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW013989.D

Acq: 12 Nov 2019 21:16

Instrument :

MSVOA_W

ClientSampled :

TP-16B-S2

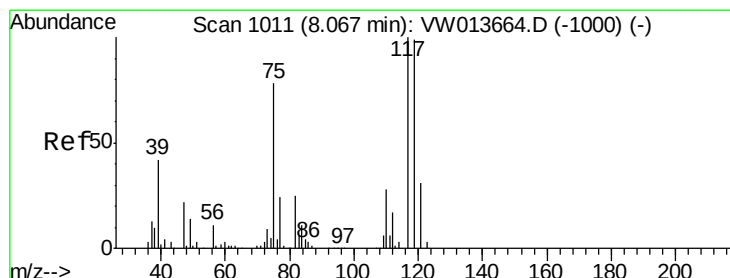
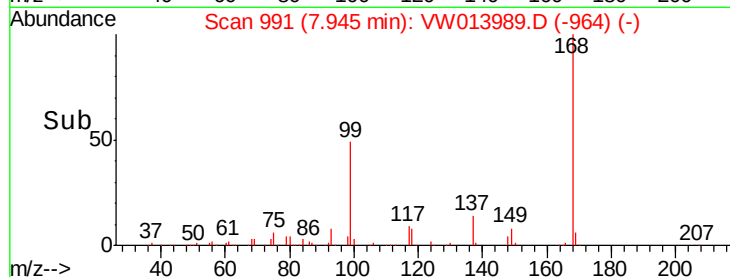
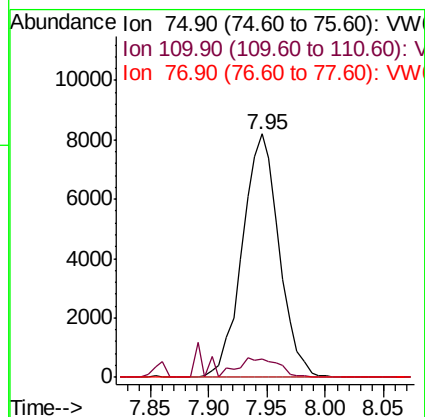
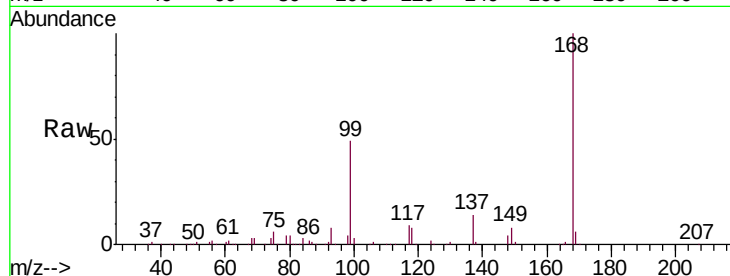
Tgt Ion: 75 Resp: 17997

Ion Ratio Lower Upper

75 100

110 7.7 18.7 56.1#

77 0.0 25.4 38.0#



#38

Carbon Tetrachloride

Concen: 6.578 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW013989.D

Acq: 12 Nov 2019 21:16

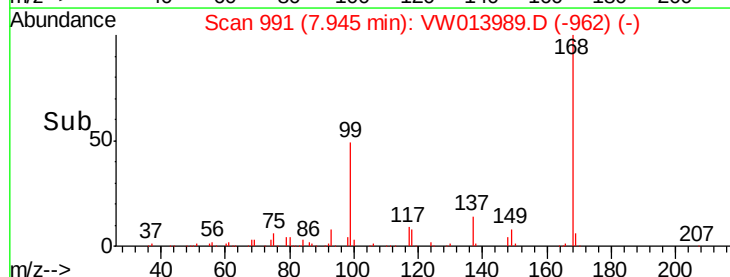
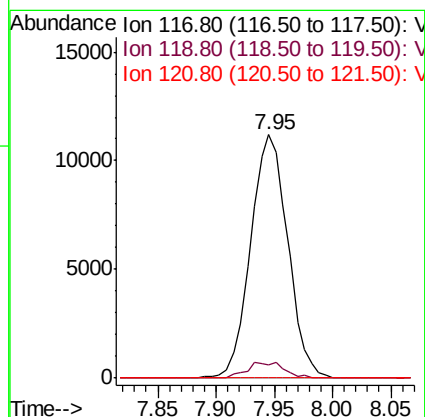
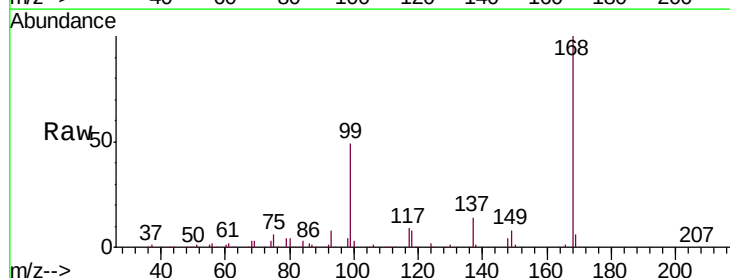
Tgt Ion: 117 Resp: 24745

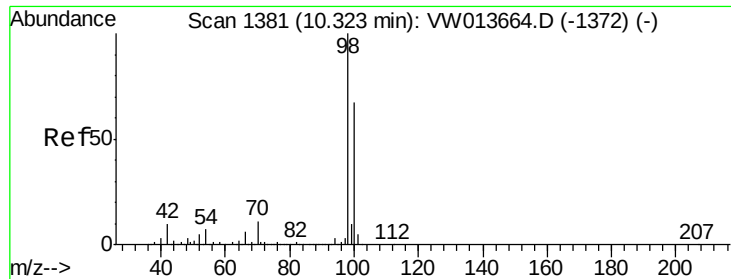
Ion Ratio Lower Upper

117 100

119 5.6 79.0 118.4#

121 0.0 24.5 36.7#

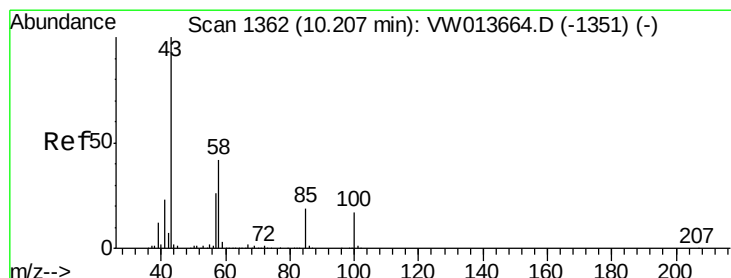
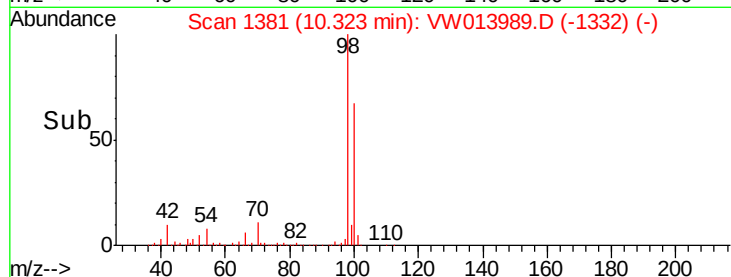
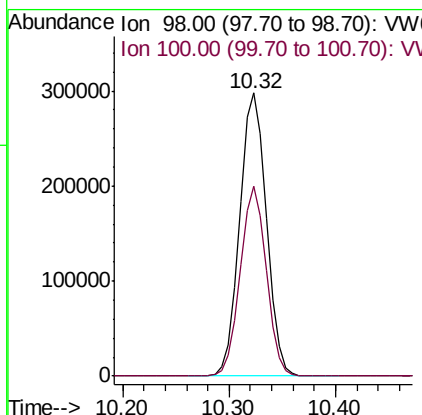
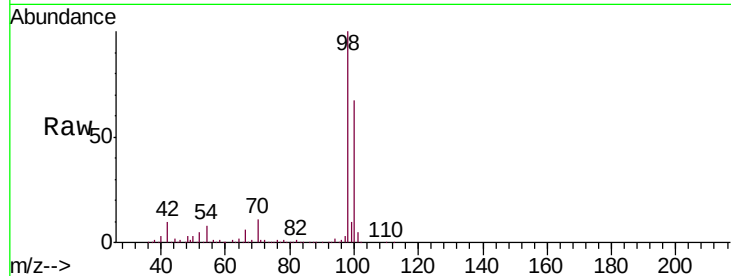




#50
Toluene-d8
Concen: 51.762 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

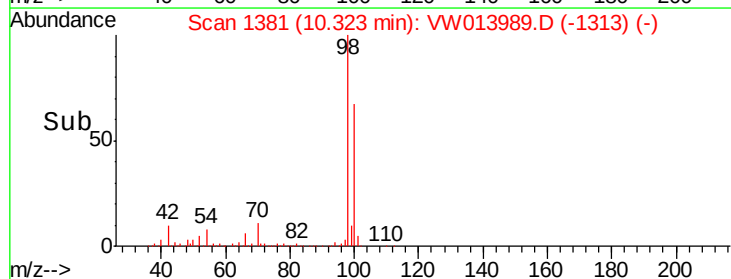
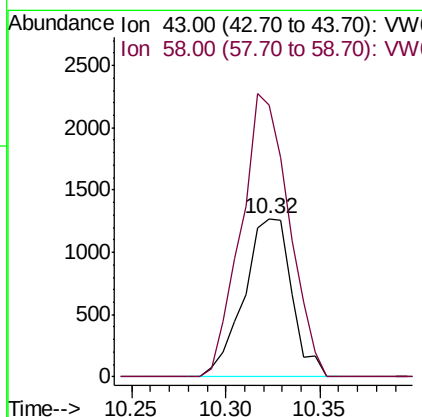
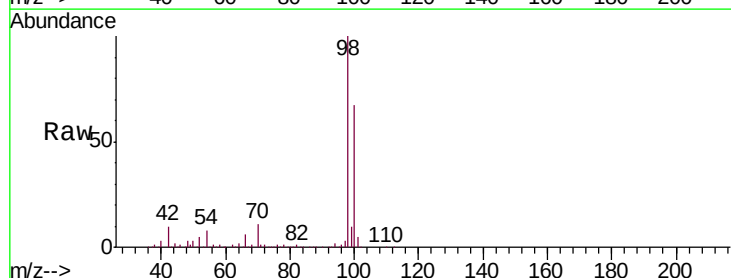
Instrument :
MSVOA_W
ClientSampleId :
TP-16B-S2

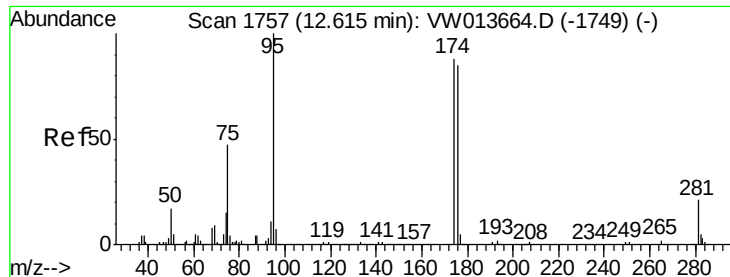
Tgt Ion: 98 Resp: 525686
Ion Ratio Lower Upper
98 100
100 65.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 1.468 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.12 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

Tgt Ion: 43 Resp: 2233
Ion Ratio Lower Upper
43 100
58 179.1 32.6 49.0#

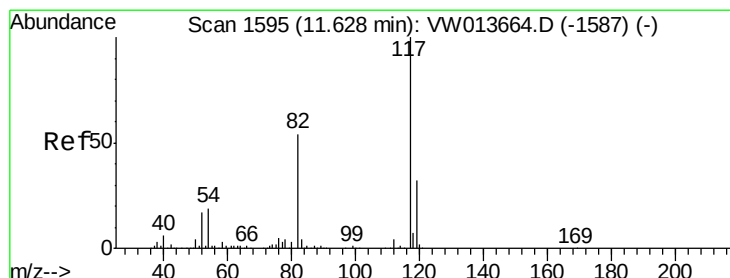
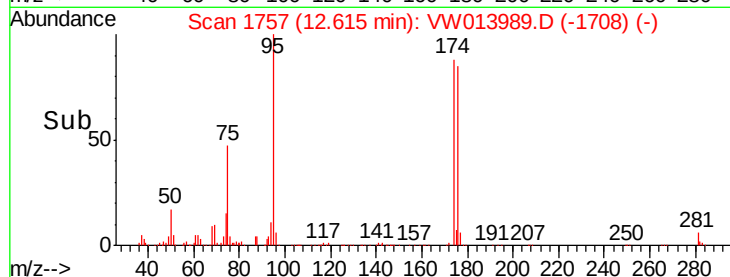
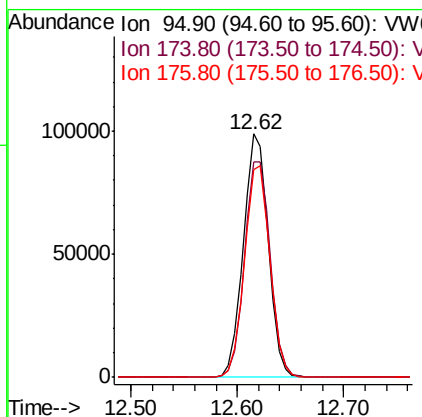
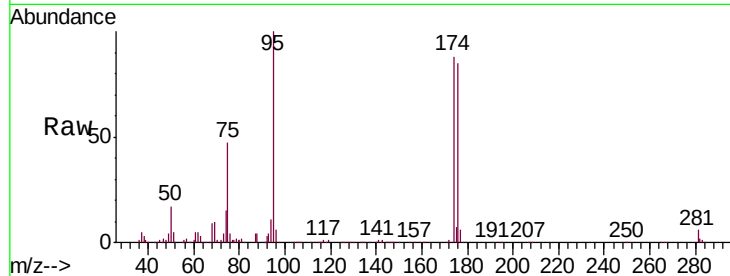




#62
4-Bromofluorobenzene
Concen: 47.251 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

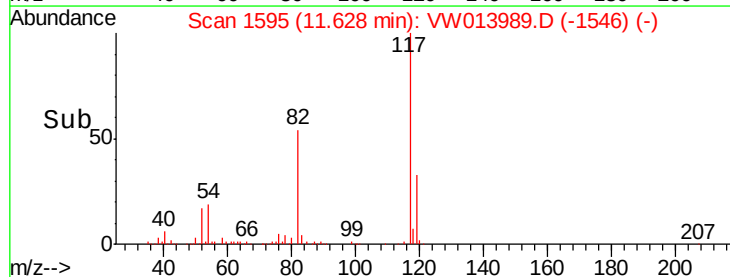
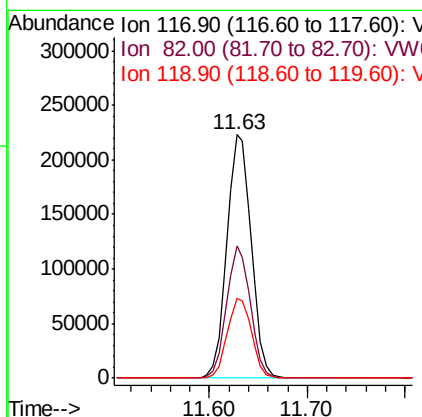
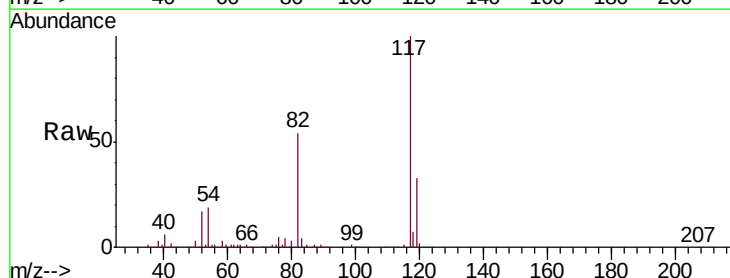
Instrument :
MSVOA_W
ClientSampleId :
TP-16B-S2

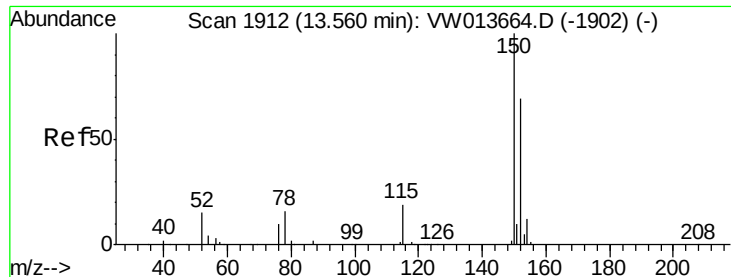
Tgt Ion: 95 Resp: 162486
Ion Ratio Lower Upper
95 100
174 92.1 0.0 183.6
176 88.8 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013989.D
Acq: 12 Nov 2019 21:16

Tgt Ion: 117 Resp: 383141
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 32.6 25.4 38.2

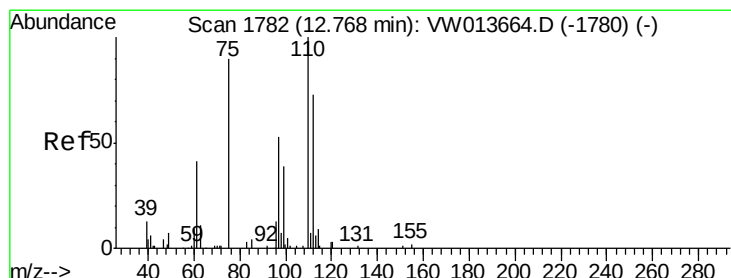
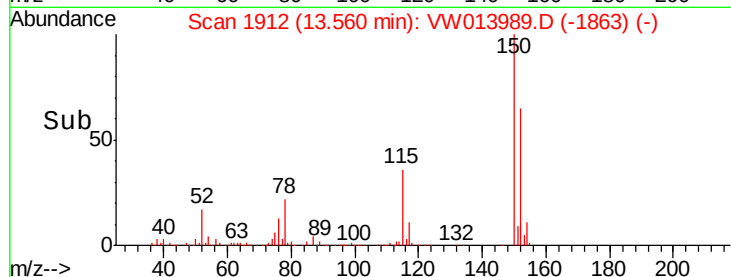
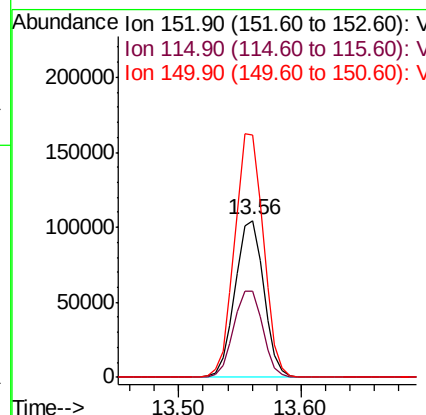
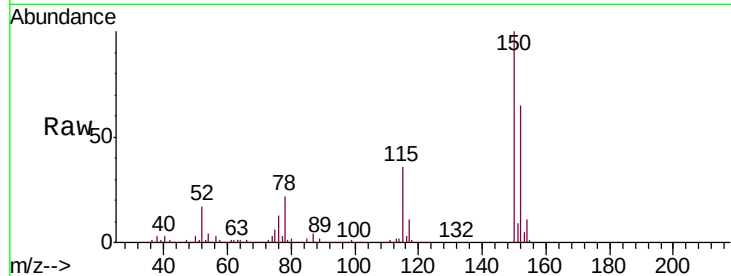




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW013989.D
 Acq: 12 Nov 2019 21:16

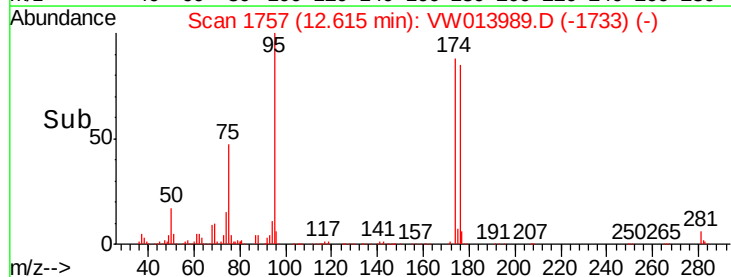
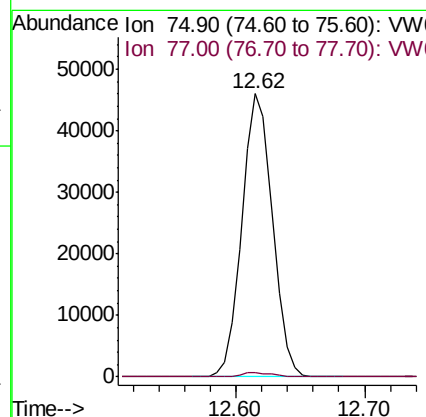
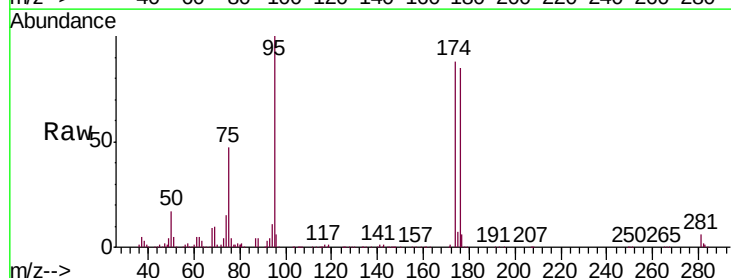
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-16B-S2

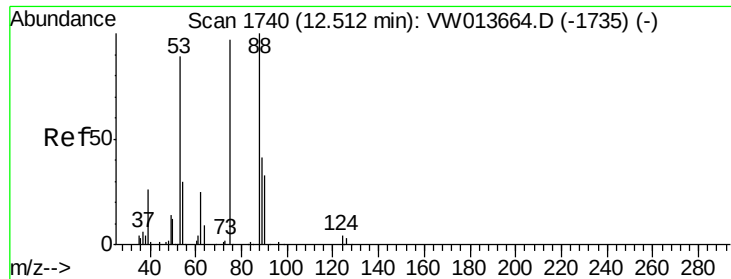
Tgt Ion:152 Resp: 168990
 Ion Ratio Lower Upper
 152 100
 115 56.1 27.4 82.2
 150 156.2 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 62.020 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW013989.D
 Acq: 12 Nov 2019 21:16

Tgt Ion: 75 Resp: 75266
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 117.208 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013989.D

Acq: 12 Nov 2019 21:16

Instrument :

MSVOA_W

ClientSampleId :

TP-16B-S2

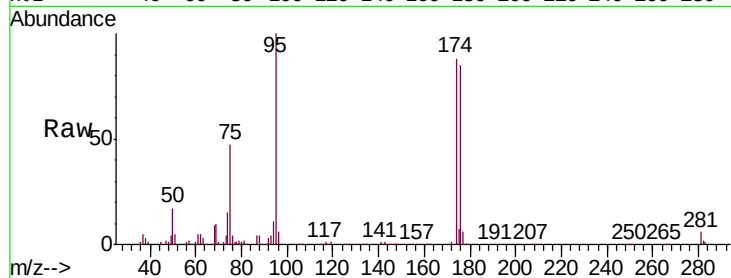
Tgt Ion: 75 Resp: 75266

Ion Ratio Lower Upper

75 100

53 0.1 71.7 107.5#

89 0.0 35.8 53.8#



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

