

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083120\
 Data File : VW016413.D
 Acq On : 31 Aug 2020 15:58
 Operator : SY/VA
 Sample : L3859-02
 Misc : 6.79G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-S2

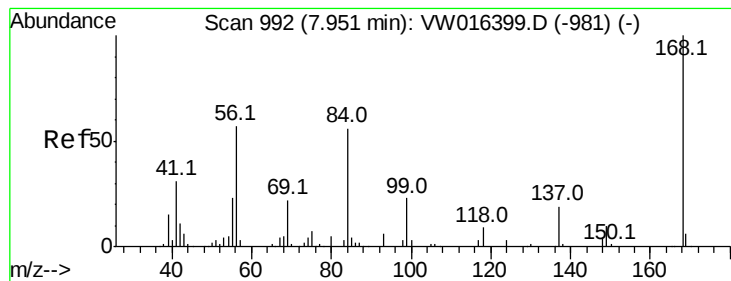
Quant Time: Sep 01 02:59:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082820S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 28 15:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	136837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	229296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	202912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88096	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	71078	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
35) Dibromofluoromethane	7.88	113	72990	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.32	98	270169	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.62	95	91759	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	1237	1.880	ug/l	97
11) Tert butyl alcohol	5.18	59	410	Below Cal	#	72
16) Acetone	4.14	43	816	3.508	ug/l	89
18) Methyl Acetate	4.68	43	4342	8.186	ug/l	98
20) Methylene Chloride	4.92	84	22090	10.585	ug/l	95
31) Cyclohexane	7.95	56	2719	1.277	ug/l #	24
36) 1,1-Dichloropropene	7.95	75	10351	4.744	ug/l #	49
38) Carbon Tetrachloride	7.95	117	14501	6.065	ug/l #	16
51) 4-Methyl-2-Pentanone	10.33	43	1100	1.508	ug/l #	1
59) 2-Hexanone	10.85	43	1253	2.518	ug/l #	21
76) 1,2,3-Trichloropropane	12.62	75	45640	58.588	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	45640	130.077	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

Instrument :

MSVOA_W

ClientSampleId :

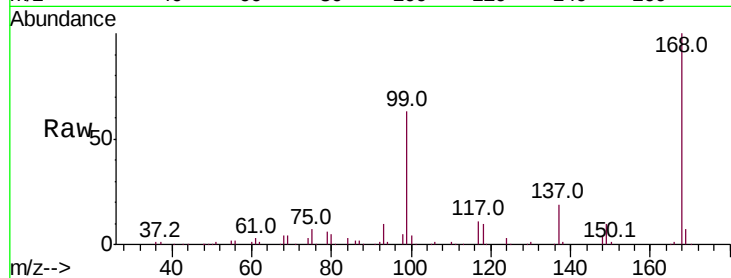
TP-1-S2

Tot Ion:168 Resp: 136837

Ion Ratio Lower Upper

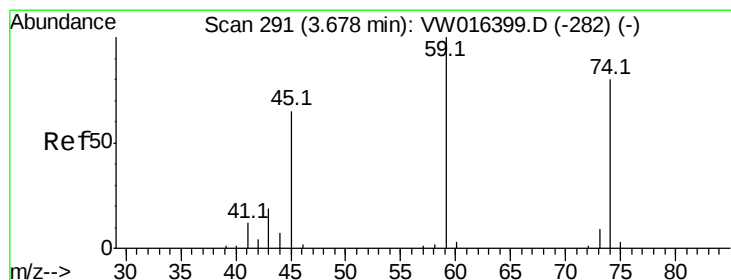
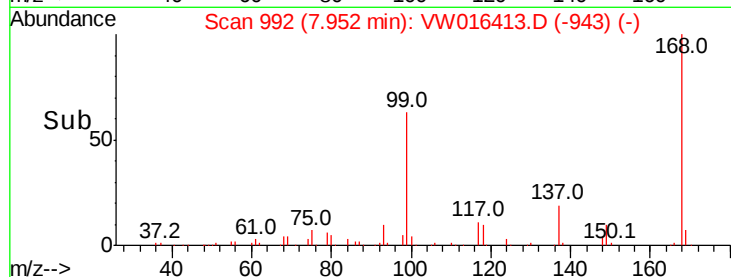
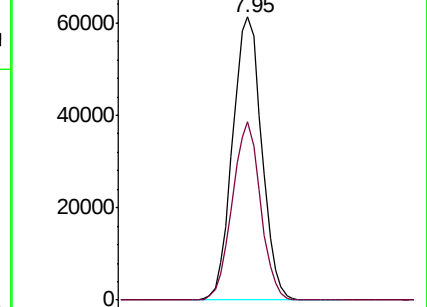
168 100

99 62.8 49.0 73.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.880 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW016413.D

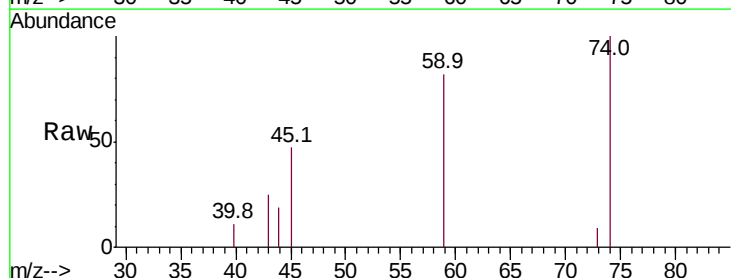
Acq: 31 Aug 2020 15:58

Tgt Ion: 74 Resp: 1237

Ion Ratio Lower Upper

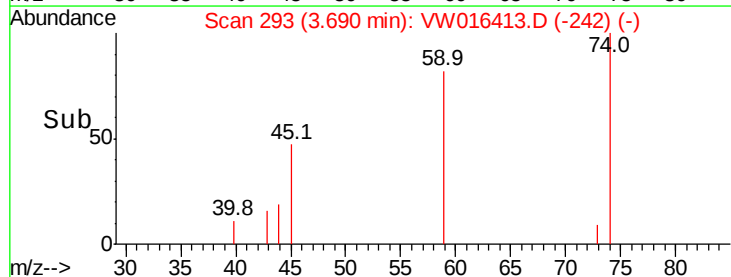
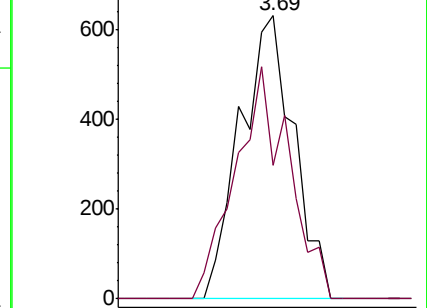
74 100

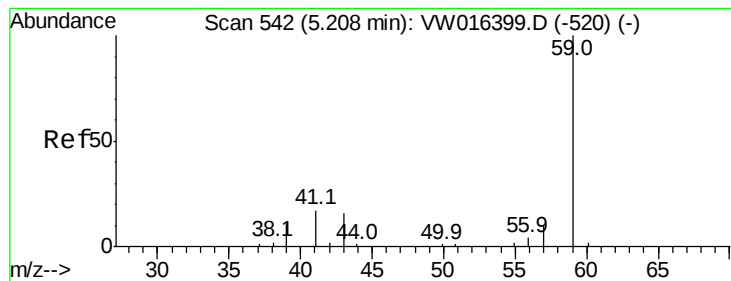
45 81.5 42.0 126.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



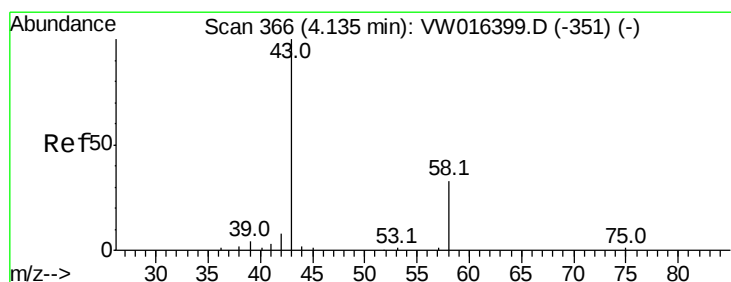
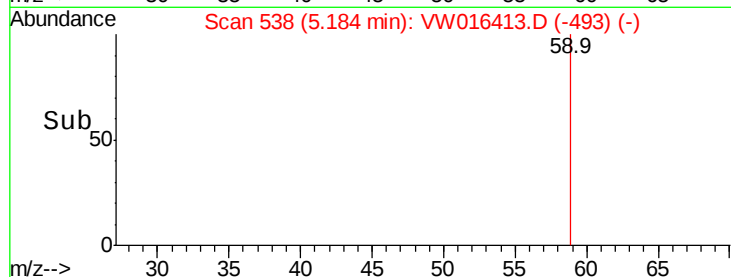
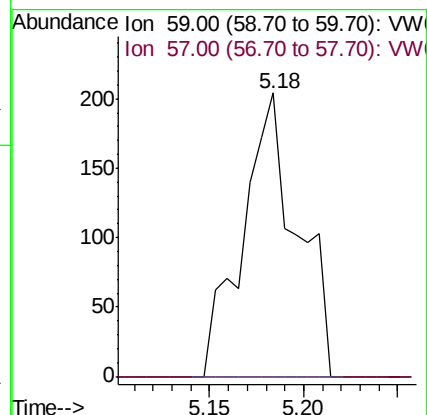
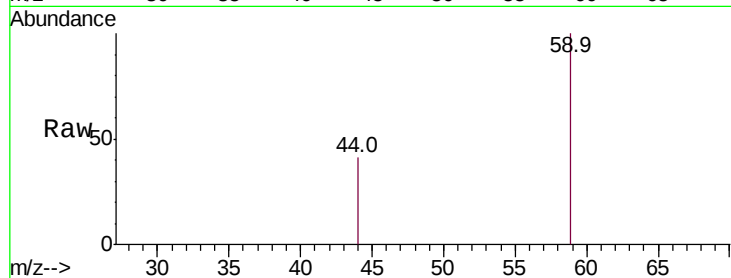


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.18 min Scan# 538
 Delta R.T. -0.02 min
 Lab File: VW016413.D
 Acq: 31 Aug 2020 15:58

Instrument :
 MSVOA_W
 ClientSampled :
 TP-1-S2

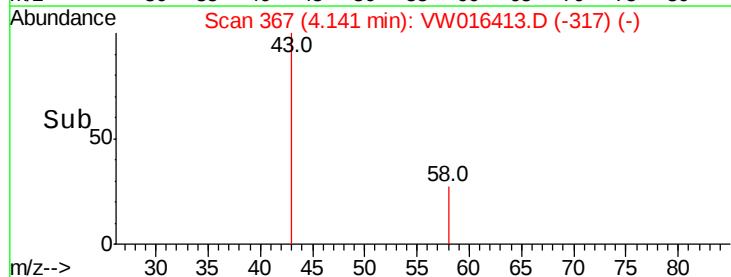
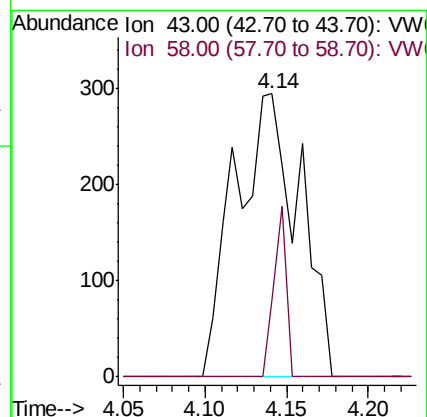
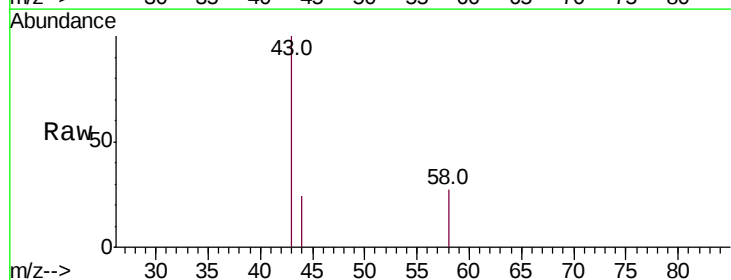
Tot Ion: 59 Resp: 410
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

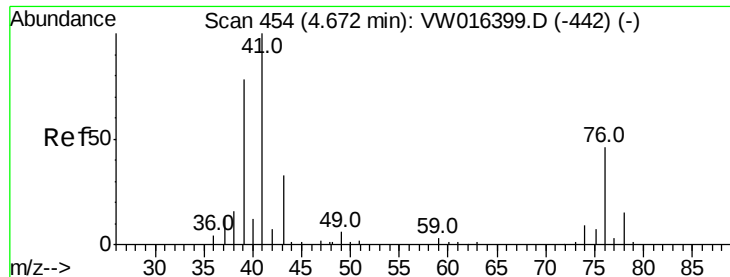


#16

Acetone
 Concen: 3.508 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VW016413.D
 Acq: 31 Aug 2020 15:58

Tgt Ion: 43 Resp: 816
 Ion Ratio Lower Upper
 43 100
 58 26.9 26.6 39.8

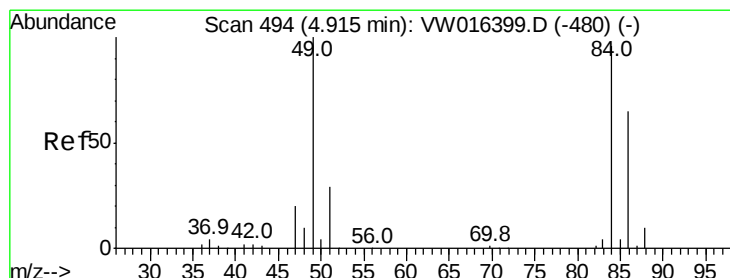
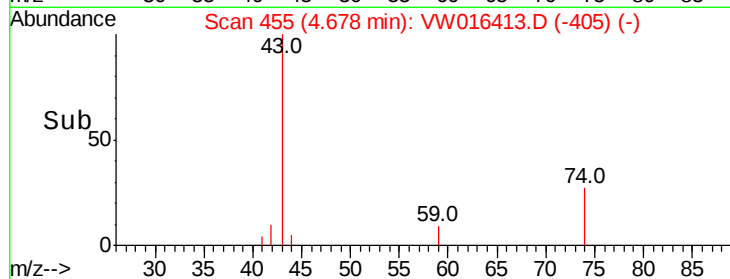
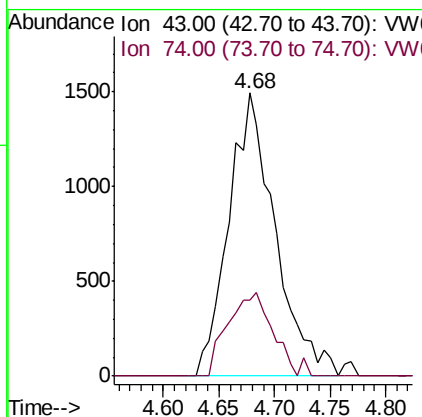
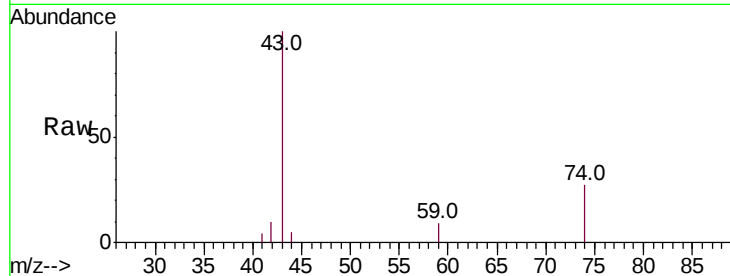




#18
Methyl Acetate
Concen: 8.186 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016413.D
Acq: 31 Aug 2020 15:58

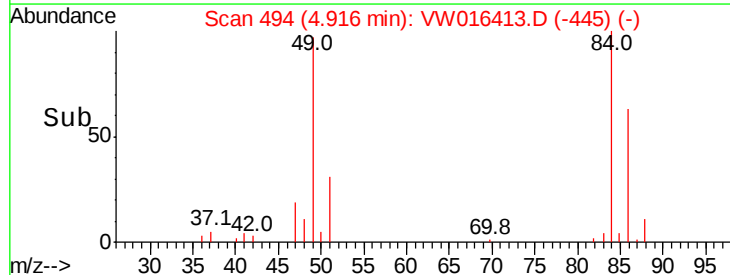
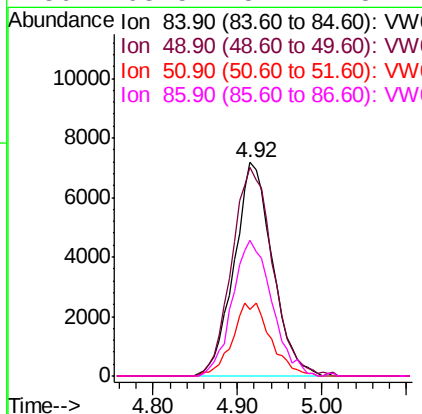
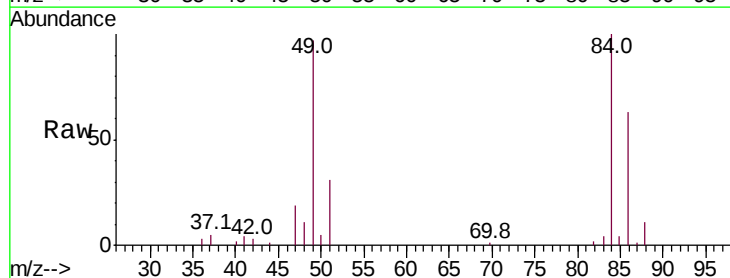
Instrument :
MSVOA_W
ClientSampleId :
TP-1-S2

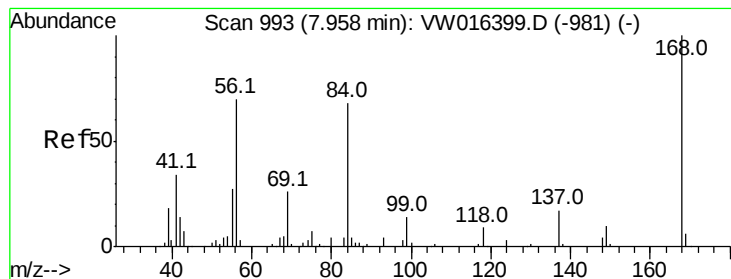
Tot Ion: 43 Resp: 4342
Ion Ratio Lower Upper
43 100
74 27.9 23.2 34.8



#20
Methylene Chloride
Concen: 10.585 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016413.D
Acq: 31 Aug 2020 15:58

Tgt Ion: 84 Resp: 22090
Ion Ratio Lower Upper
84 100
49 97.4 83.2 124.8
51 31.0 24.4 36.6
86 63.5 54.2 81.2





#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

Instrument :

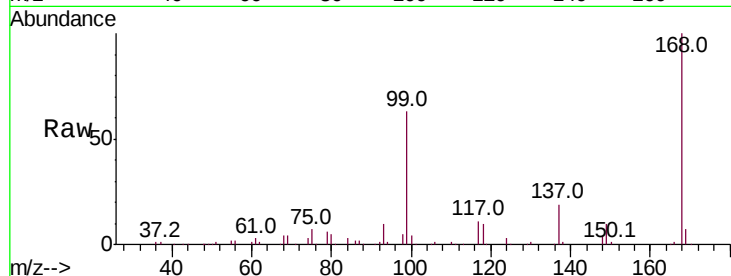
MSVOA_W

ClientSampled :

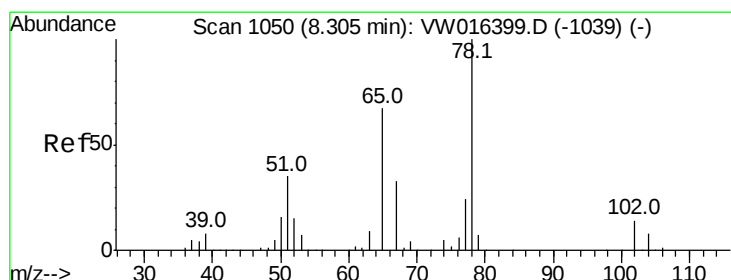
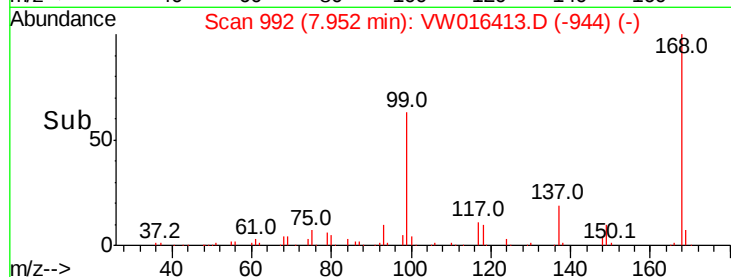
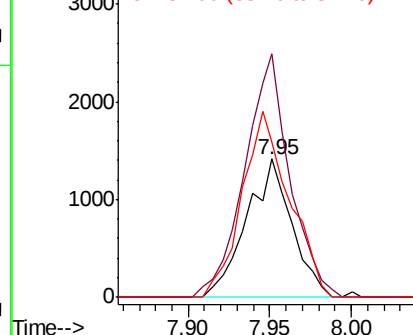
TP-1-S2

Tot Ion: 56 Resp: 2719

Ion	Ratio	Lower	Upper
56	100		
69	176.3	30.0	45.0#
84	112.3	77.4	116.2



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: 51.889 ug/l

RT: 8.31 min Scan# 1050

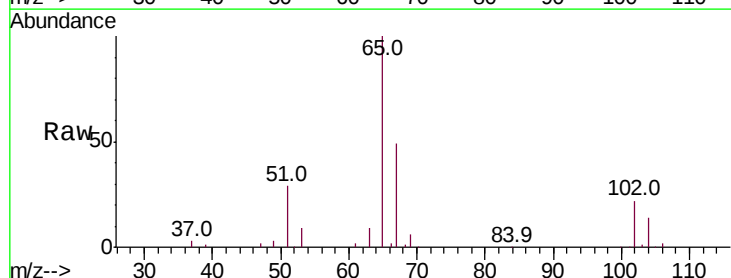
Delta R.T. 0.00 min

Lab File: VW016413.D

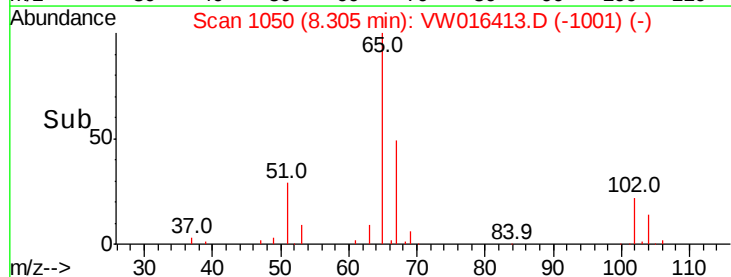
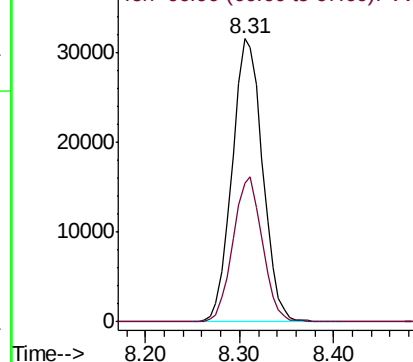
Acq: 31 Aug 2020 15:58

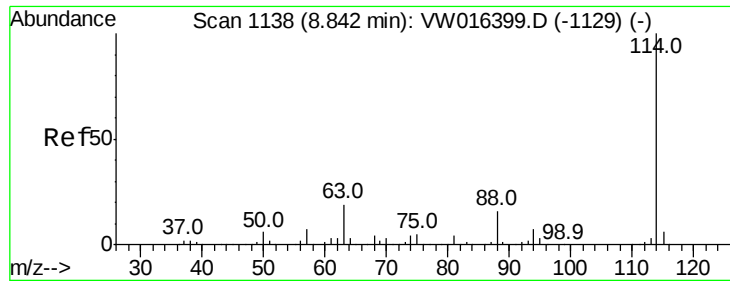
Tgt Ion: 65 Resp: 71078

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	100.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

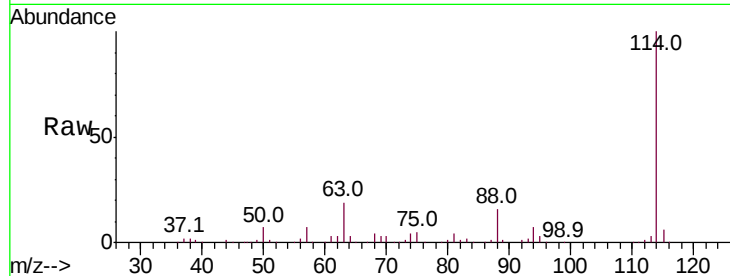




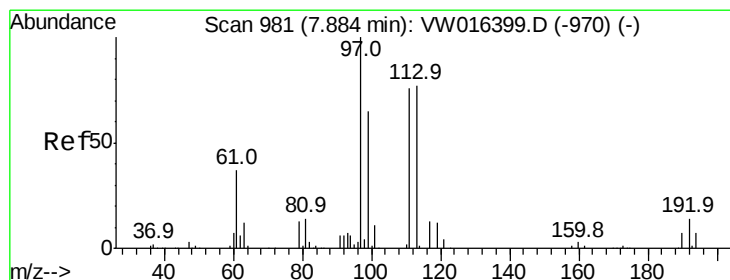
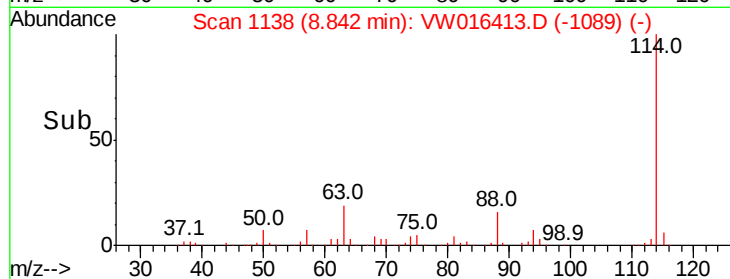
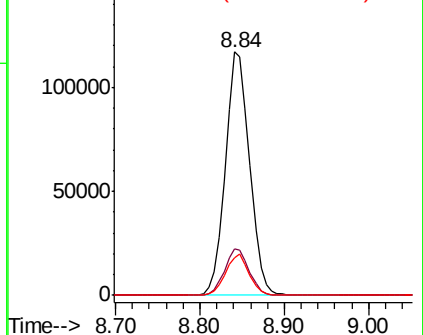
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW016413.D
 Acq: 31 Aug 2020 15:58

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-1-S2

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	37.8
88	15.7	0.0	31.2

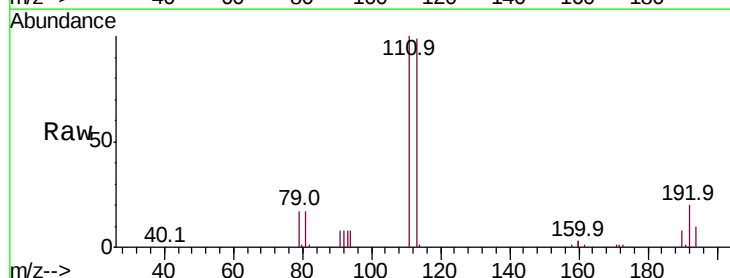


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

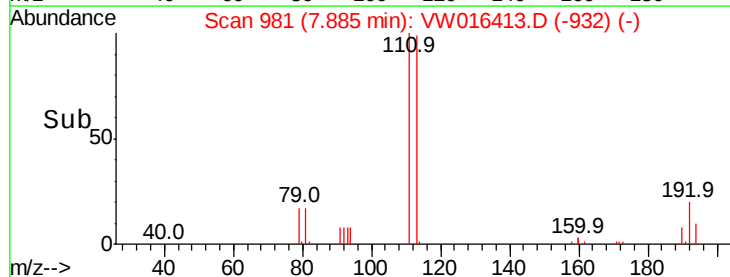
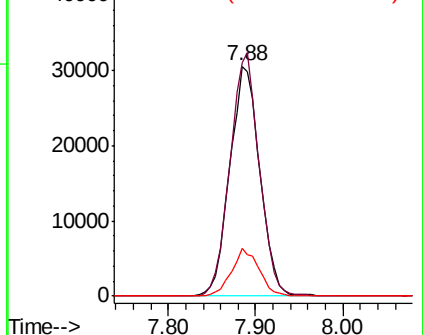


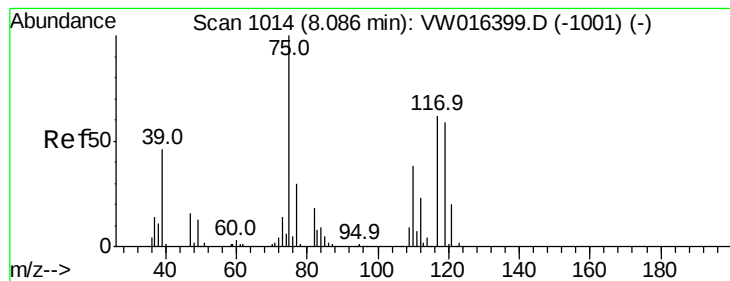
#35
 Dibromofluoromethane
 Concen: 50.290 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW016413.D
 Acq: 31 Aug 2020 15:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.1	123.1
192	18.8	15.5	23.3



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: 4.744 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.14 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

Instrument :

MSVOA_W

ClientSampleId :

TP-1-S2

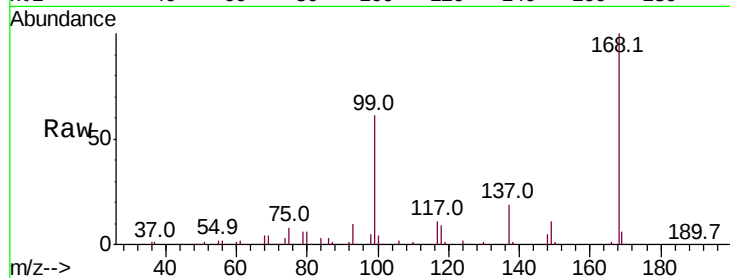
Tot Ion: 75 Resp: 10351

Ion Ratio Lower Upper

75 100

110 9.9 18.6 56.0#

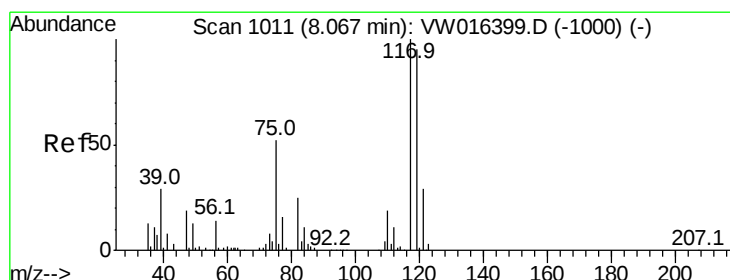
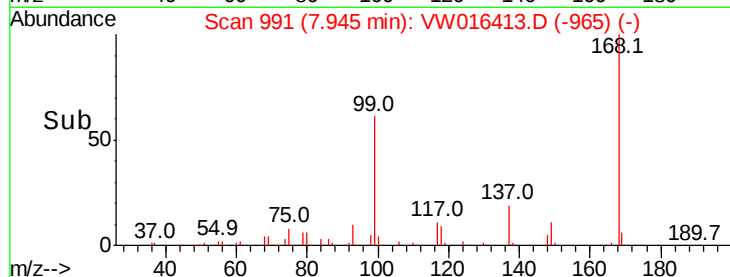
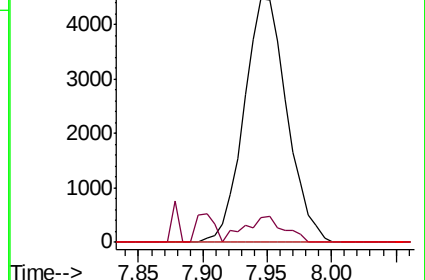
77 0.0 25.1 37.7#



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: 6.065 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

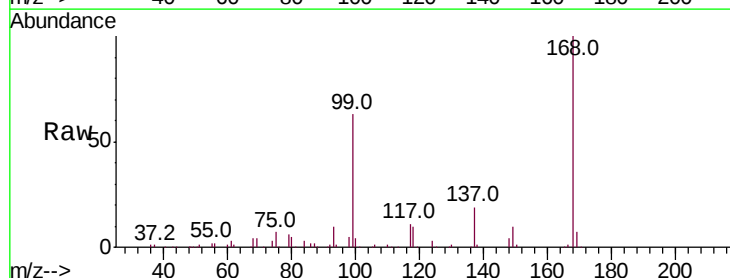
Tgt Ion: 117 Resp: 14501

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

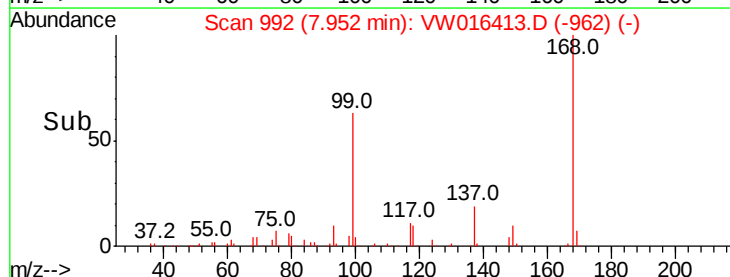
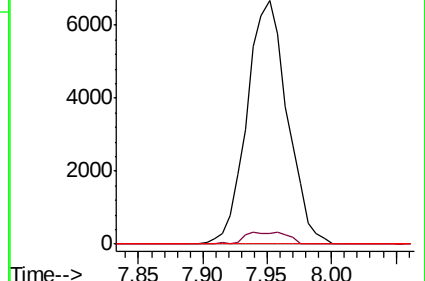
121 0.0 23.0 34.6#

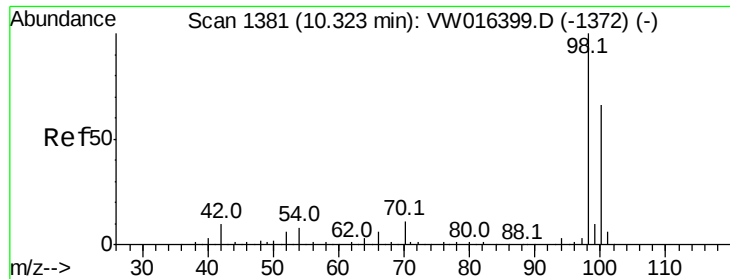


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.710 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

Instrument :

MSVOA_W

ClientSampleId :

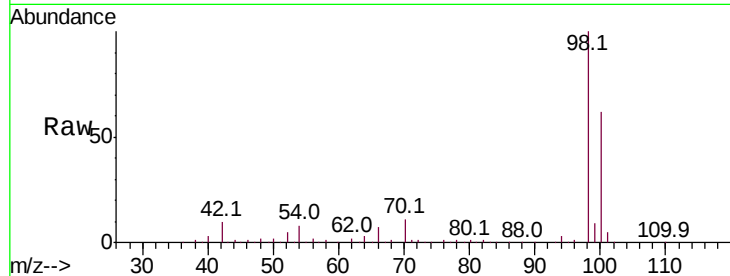
TP-1-S2

Tot Ion: 98 Resp: 270169

Ion Ratio Lower Upper

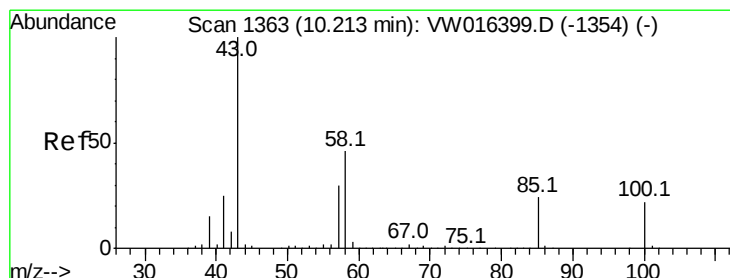
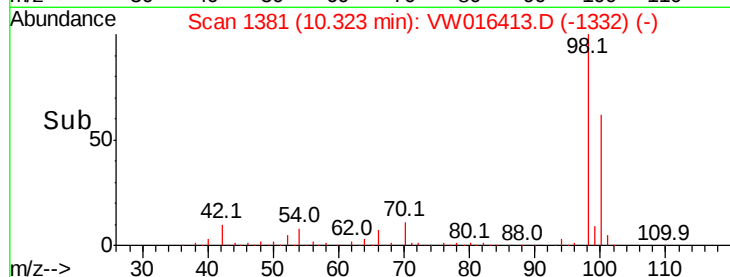
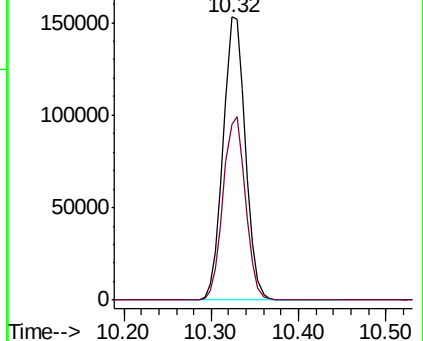
98 100

100 65.3 52.6 78.8



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: 1.508 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW016413.D

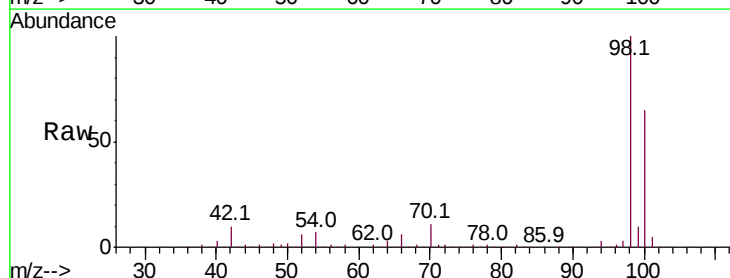
Acq: 31 Aug 2020 15:58

Tgt Ion: 43 Resp: 1100

Ion Ratio Lower Upper

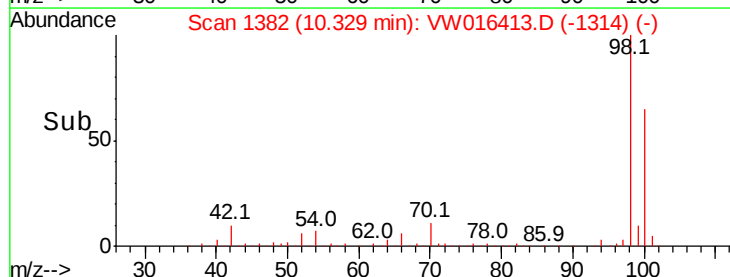
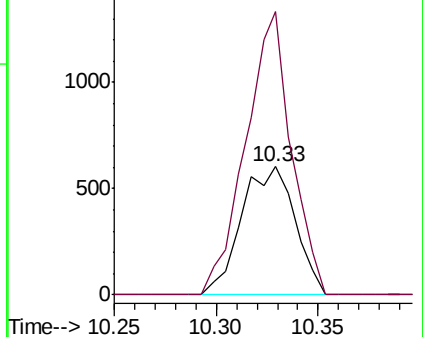
43 100

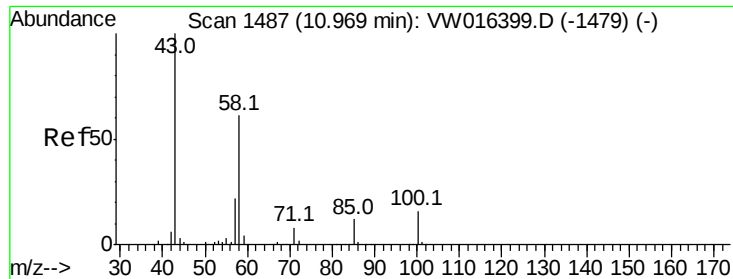
58 189.0 35.4 53.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#59

2-Hexanone

Concen: 2.518 ug/l

RT: 10.85 min Scan# 1468

Delta R.T. -0.12 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

Instrument :

MSVOA_W

ClientSampleId :

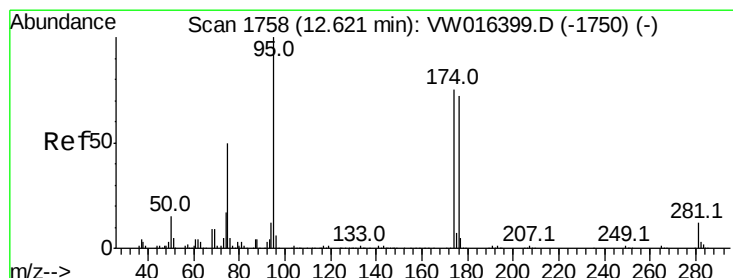
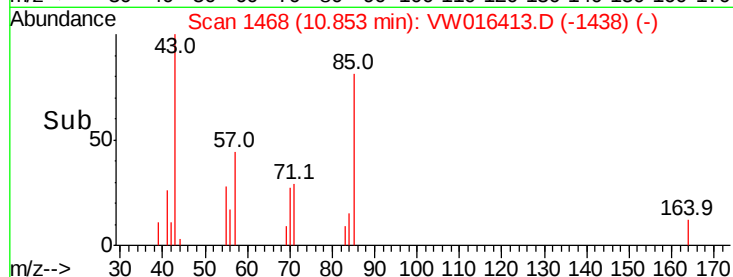
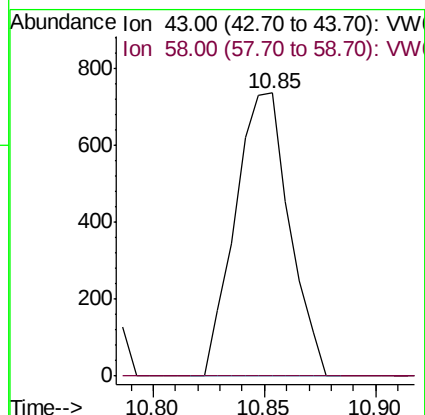
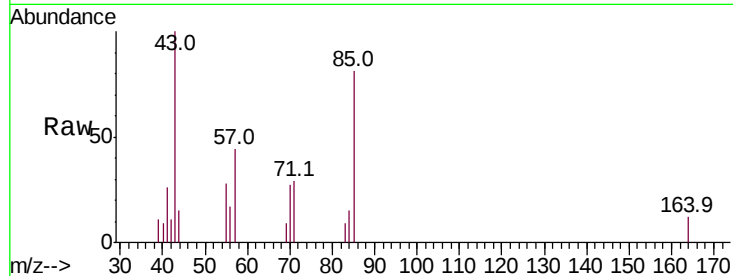
TP-1-S2

Tot Ion: 43 Resp: 1253

Ion Ratio Lower Upper

43 100

58 0.0 29.7 89.1#



#62

4-Bromofluorobenzene

Concen: 45.023 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

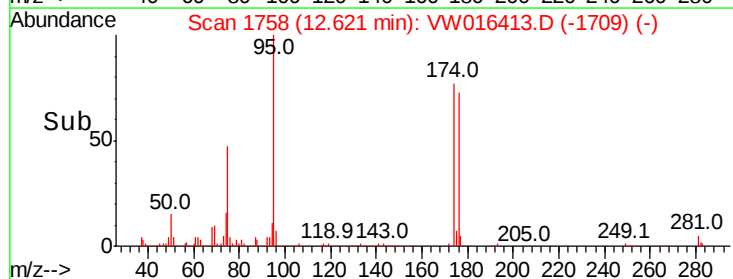
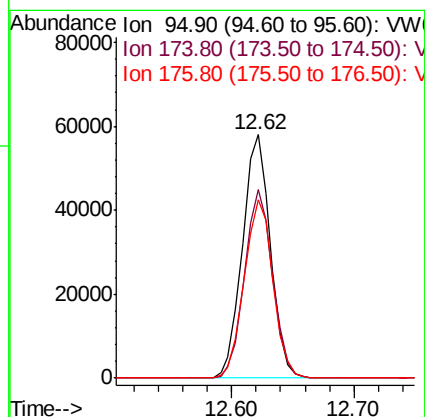
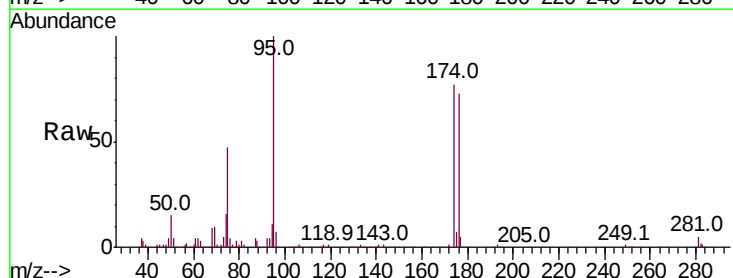
Tgt Ion: 95 Resp: 91759

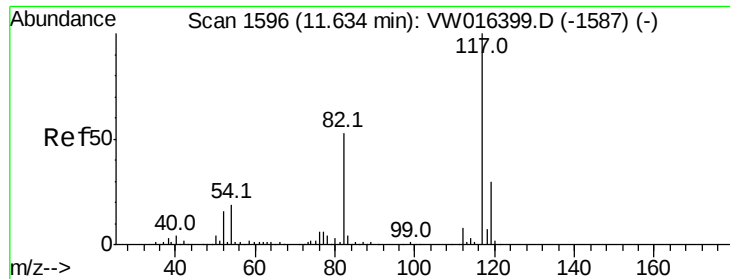
Ion Ratio Lower Upper

95 100

174 77.6 0.0 152.0

176 75.3 0.0 145.6

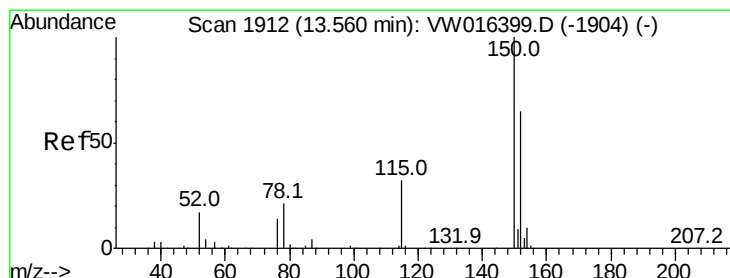
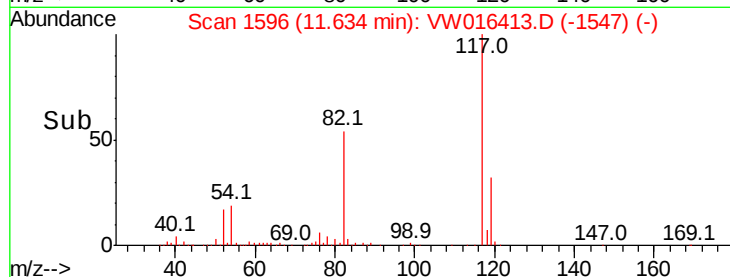
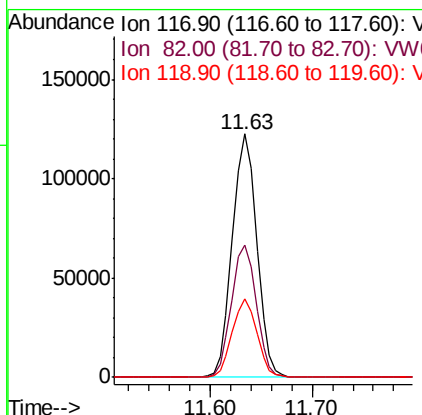
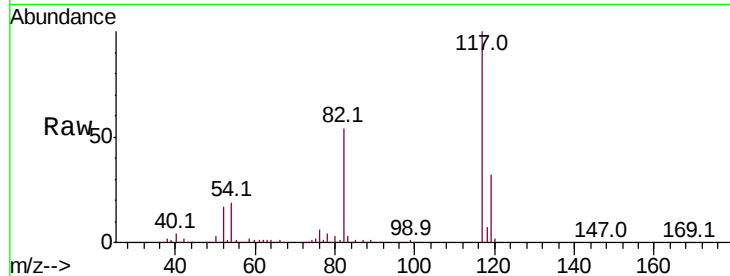




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016413.D
Acq: 31 Aug 2020 15:58

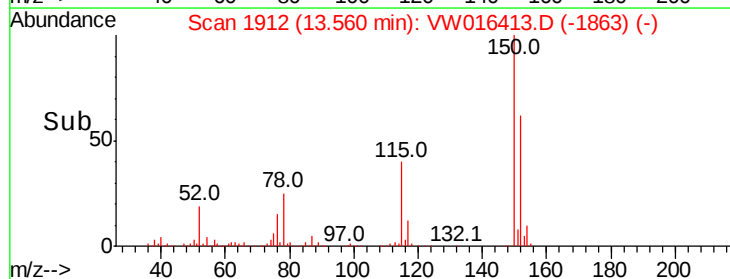
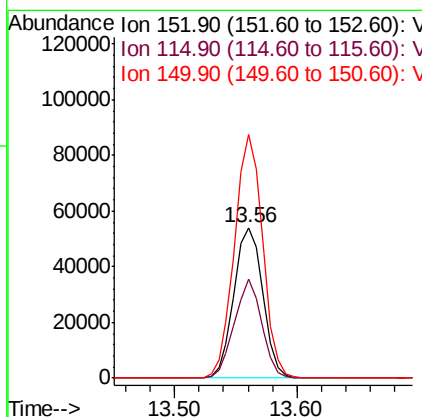
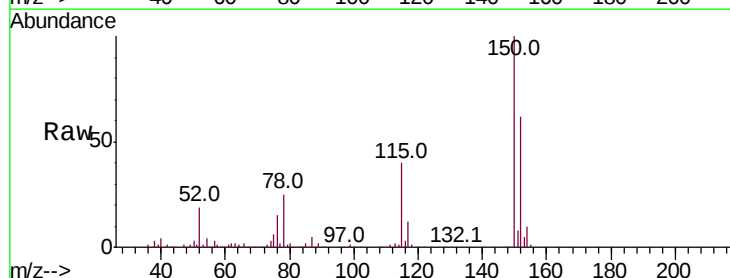
Instrument :
MSVOA_W
ClientSampleId :
TP-1-S2

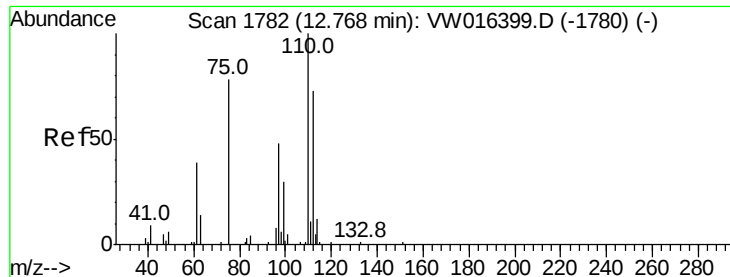
Tot Ion:117 Resp: 202912
Ion Ratio Lower Upper
117 100
82 54.4 42.2 63.4
119 32.1 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW016413.D
Acq: 31 Aug 2020 15:58

Tgt Ion:152 Resp: 88096
Ion Ratio Lower Upper
152 100
115 62.2 30.9 92.5
150 157.6 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 58.588 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

Instrument :

MSVOA_W

ClientSampled :

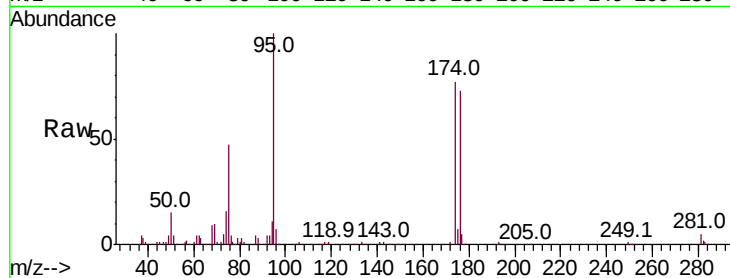
TP-1-S2

Tot Ion: 75 Resp: 45640

Ion Ratio Lower Upper

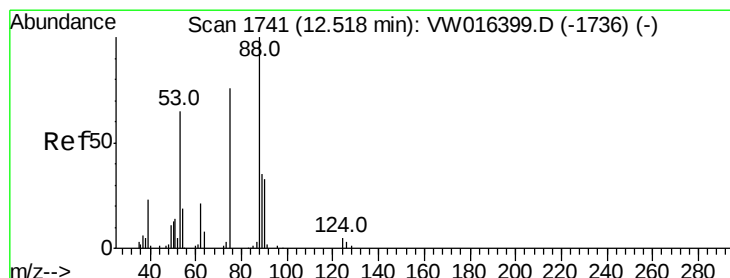
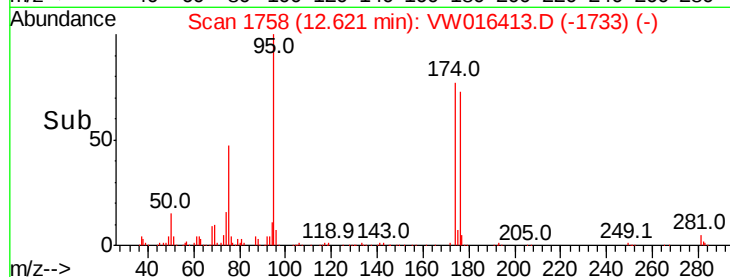
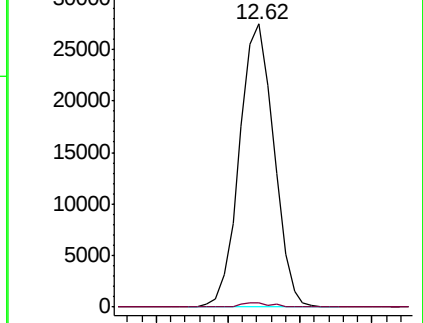
75 100

77 1.3 173.4 520.2#



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: 130.077 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW016413.D

Acq: 31 Aug 2020 15:58

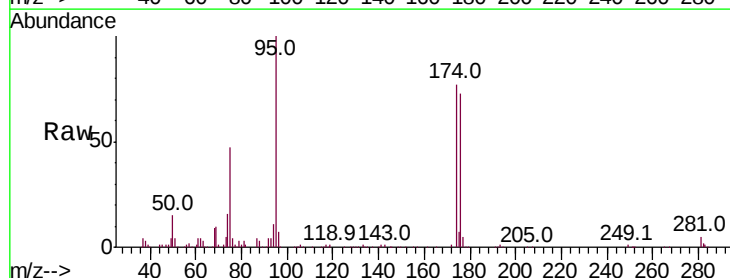
Tgt Ion: 75 Resp: 45640

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

89 0.0 40.4 60.6#



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

