

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072519\
 Data File : VW011479.D
 Acq On : 24 Jul 2019 17:06
 Operator : SY/VA
 Sample : K3983-03
 Misc : 5.86G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 25 04:07:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	129650	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	175210	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	7.88	113	138945	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.32	98	556306	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.62	95	165207	40.64	ug/l	0.00
Spiked Amount			Recovery	=	81.28%	

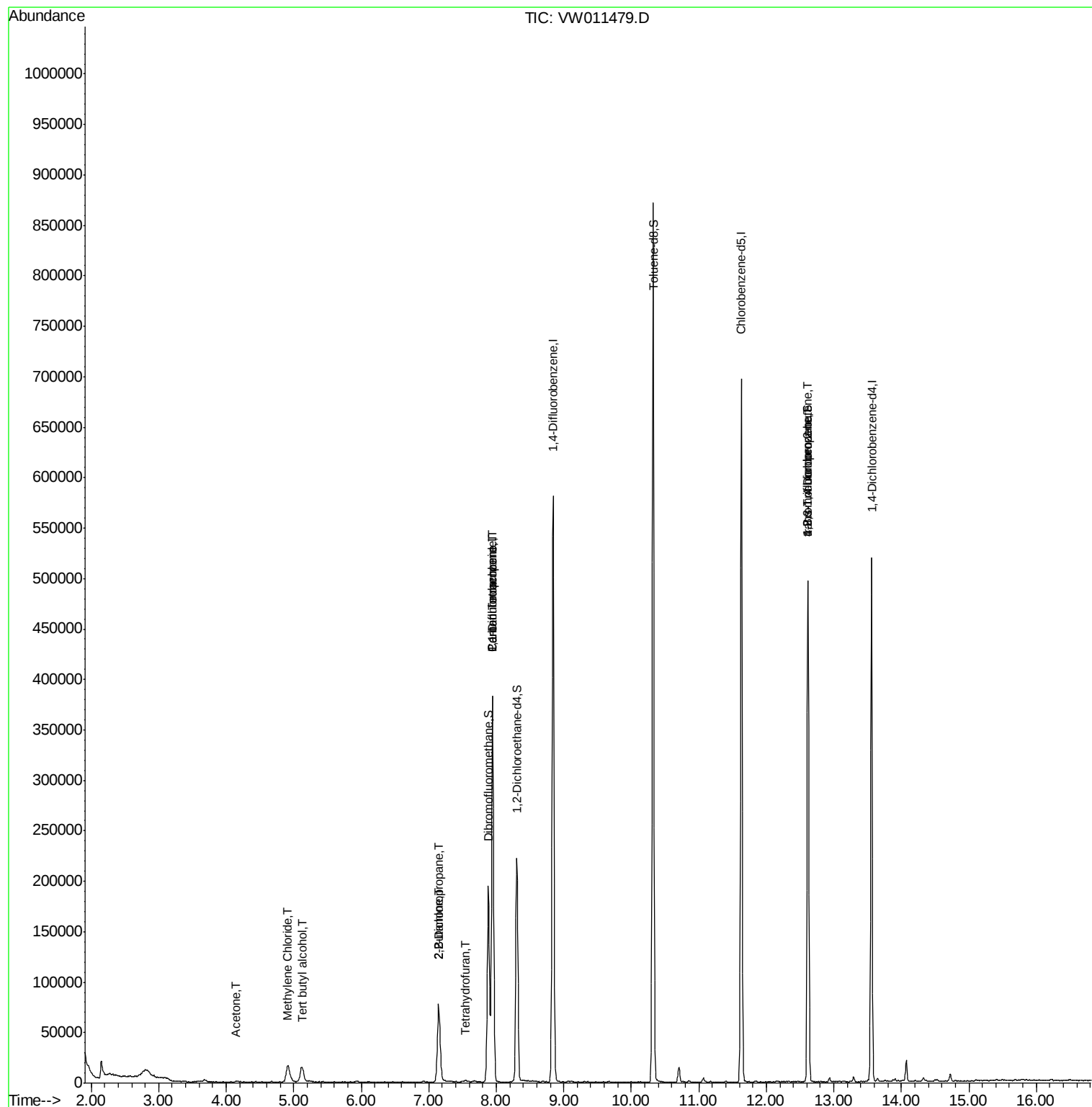
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	14583	56.609	ug/l #	74
16) Acetone	4.14	43	1604	1.916	ug/l #	86
18) Methyl Acetate	4.67	43	645	Below Cal	#	57
20) Methylene Chloride	4.91	84	13453	4.073	ug/l	96
25) 2-Butanone	7.15	43	4999	3.804	ug/l #	78
26) 2,2-Dichloropropane	7.14	77	5541	1.683	ug/l #	53
29) Tetrahydrofuran	7.55	42	1612	1.871	ug/l	94
36) 1,1-Dichloropropene	7.95	75	22863	4.663	ug/l #	50
38) Carbon Tetrachloride	7.95	117	27897	6.712	ug/l #	14
76) 1,2,3-Trichloropropane	12.62	75	85205	56.869	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85205	128.627	ug/l #	5

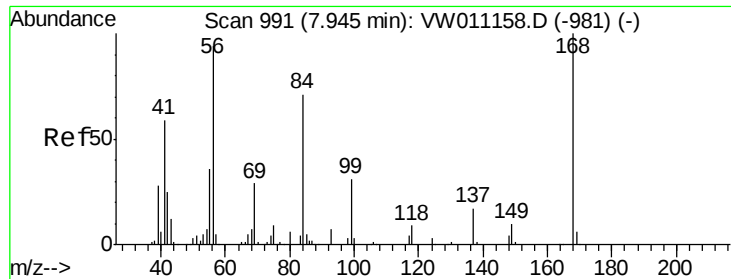
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072519\
Data File : VW011479.D
Acq On : 24 Jul 2019 17:06
Operator : SY/VA
Sample : K3983-03
Misc : 5.86G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jul 25 04:07:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
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: VW011479.D

Acq: 24 Jul 2019 17:06

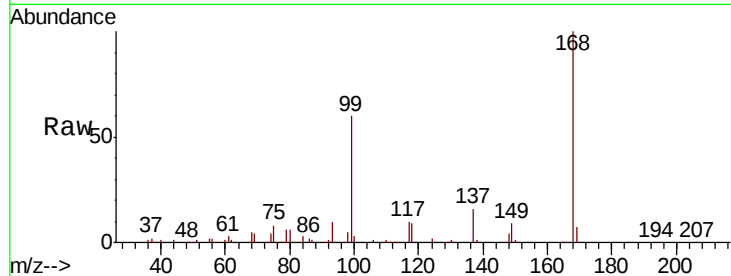
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 276909

Ion Ratio Lower Upper

168 100

99 59.7 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

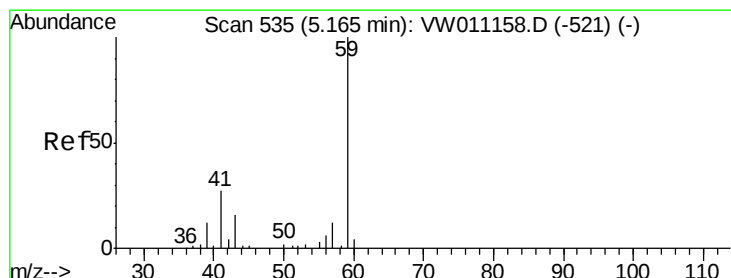
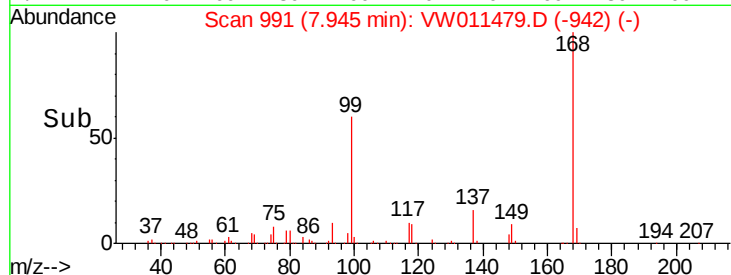
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#11

Tert butyl alcohol

Concen: 56.609 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011479.D

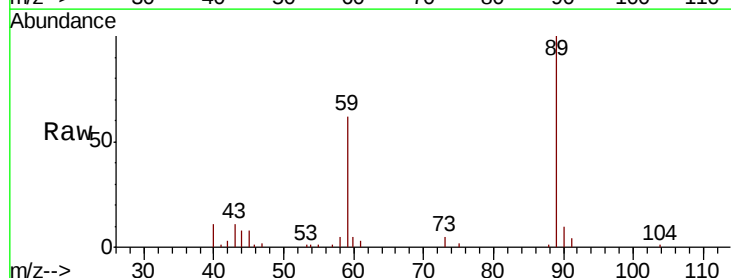
Acq: 24 Jul 2019 17:06

Tgt Ion: 59 Resp: 14583

Ion Ratio Lower Upper

59 100

57 1.5 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

4000

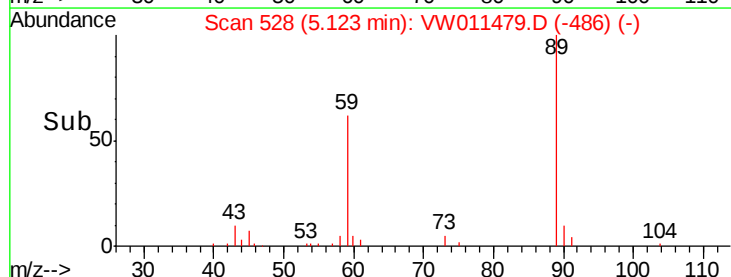
3000

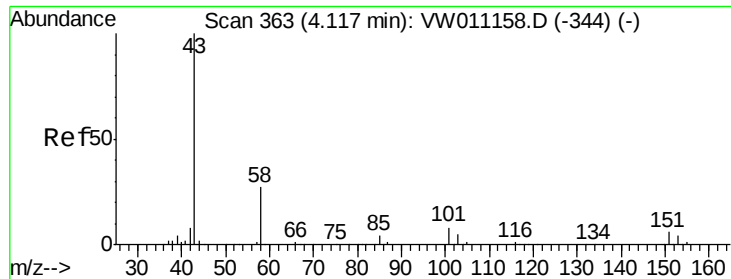
2000

1000

0

Time--> 5.00 5.10 5.20





#16

Acetone

Concen: 1.916 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011479.D

Acq: 24 Jul 2019 17:06

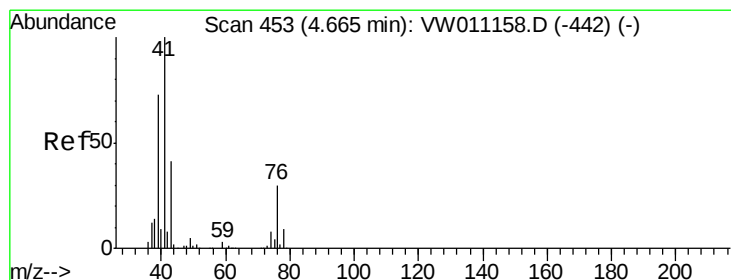
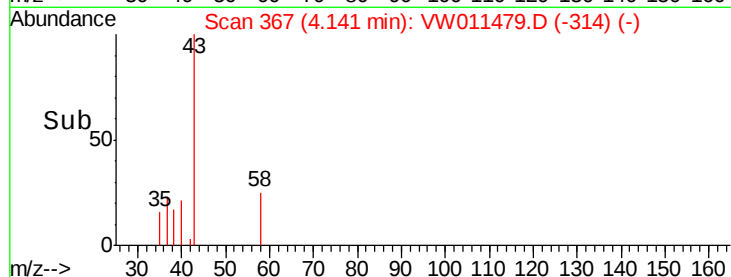
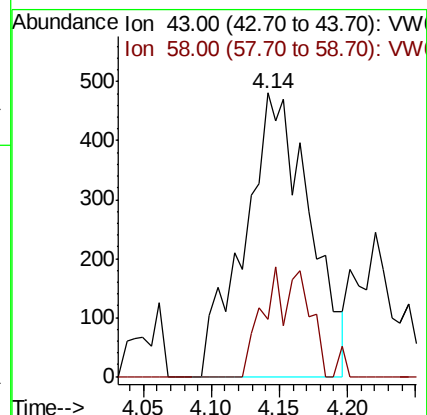
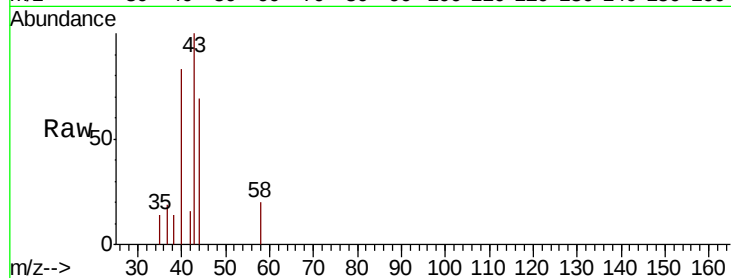
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 1604

Ion Ratio Lower Upper

43 100

58 20.2 21.8 32.6#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011479.D

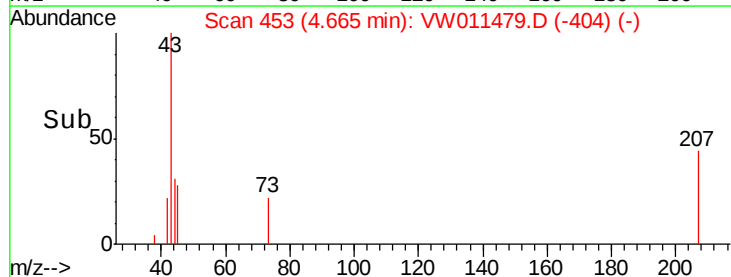
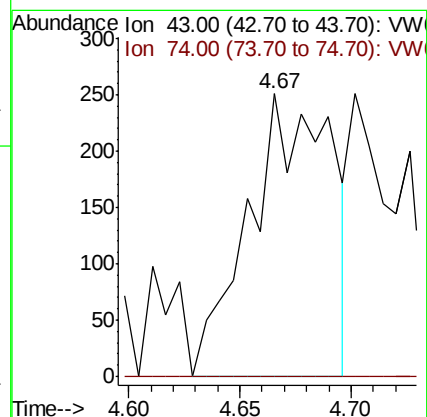
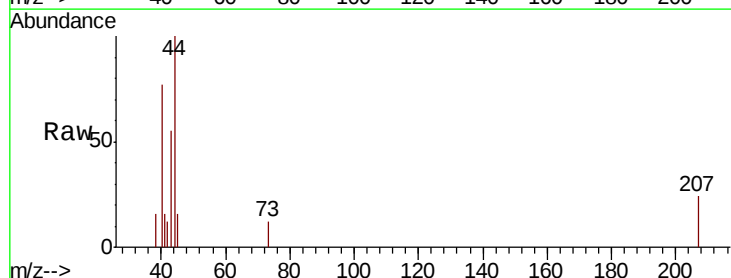
Acq: 24 Jul 2019 17:06

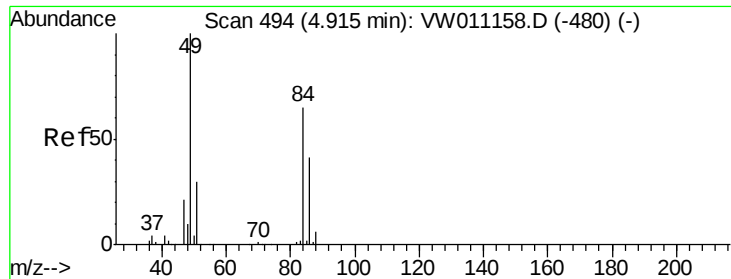
Tgt Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

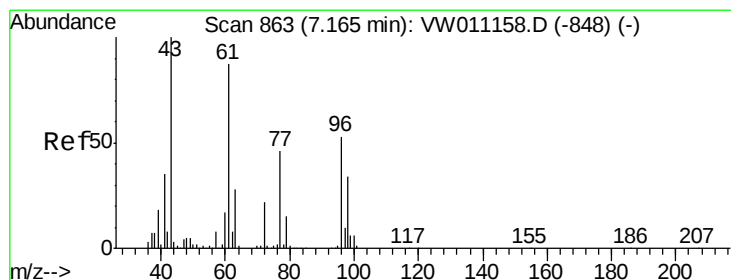
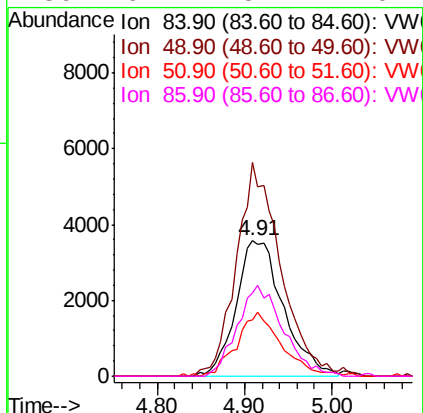
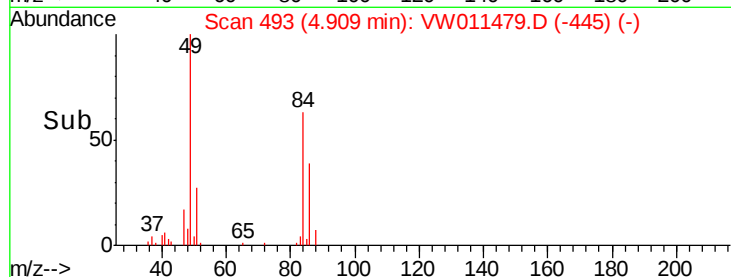
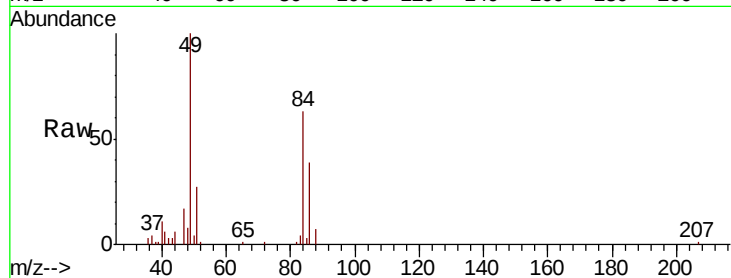




#20
Methvlene Chloride
Concen: 4.073 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011479.D
Acq: 24 Jul 2019 17:06

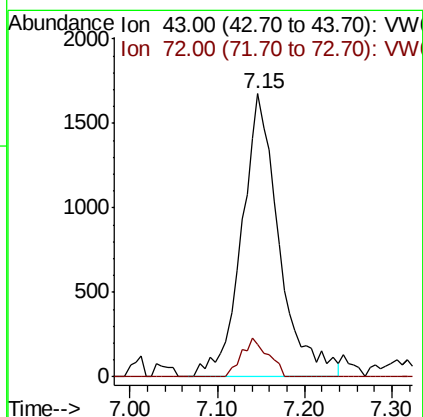
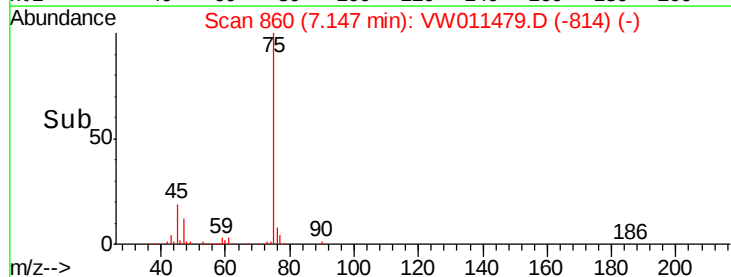
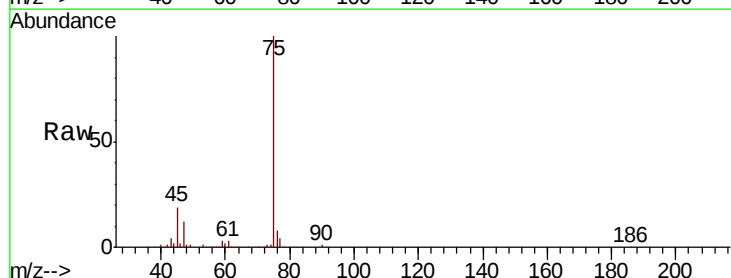
Instrument :
MSVOA_W
ClientSampled :

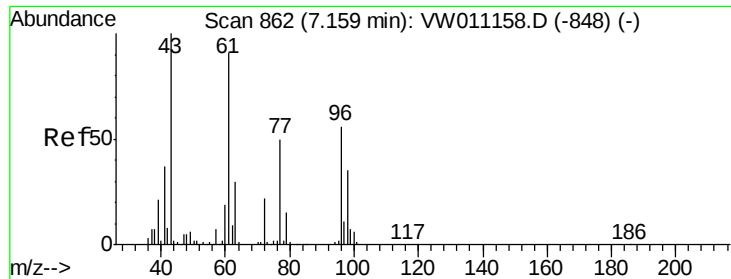
Tot Ion: 84 Resp: 13453
Ion Ratio Lower Upper
84 100
49 158.0 123.8 185.6
51 42.0 37.4 56.2
86 61.2 51.1 76.7



#25
2-Butanone
Concen: 3.804 ug/l
RT: 7.15 min Scan# 860
Delta R.T. -0.02 min
Lab File: VW011479.D
Acq: 24 Jul 2019 17:06

Tgt Ion: 43 Resp: 4999
Ion Ratio Lower Upper
43 100
72 11.4 17.6 26.4#





#26

2,2-Dichloropropane

Concen: 1.683 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011479.D

Acq: 24 Jul 2019 17:06

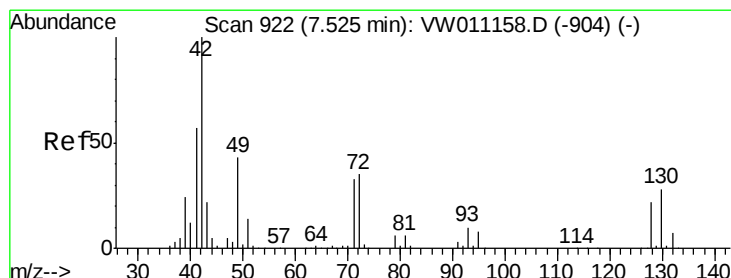
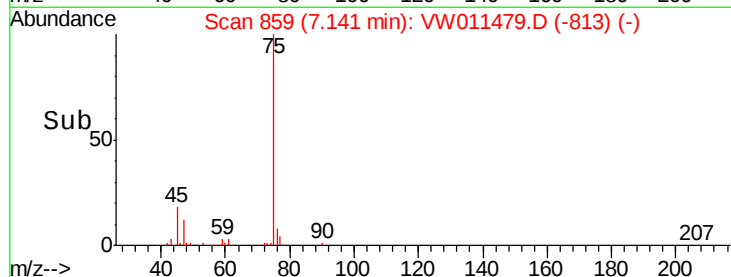
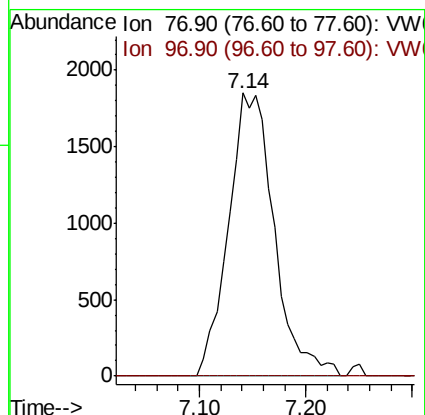
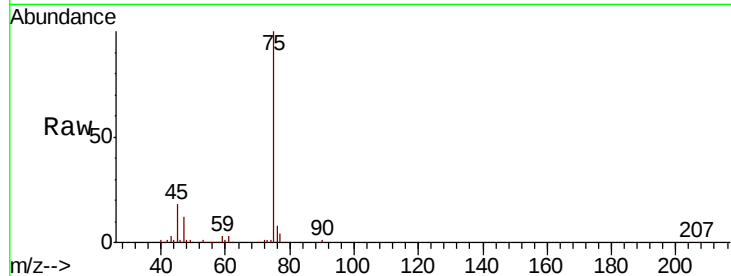
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 77 Resp: 5541

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#29

Tetrahydrofuran

Concen: 1.871 ug/l

RT: 7.55 min Scan# 926

Delta R.T. 0.02 min

Lab File: VW011479.D

Acq: 24 Jul 2019 17:06

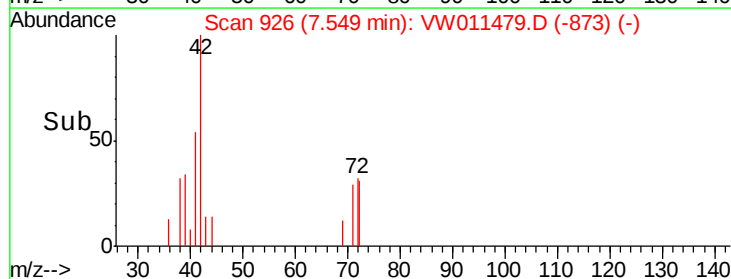
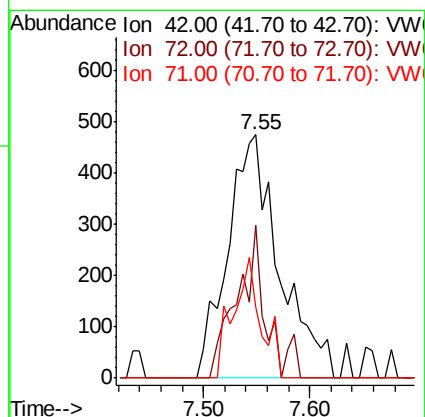
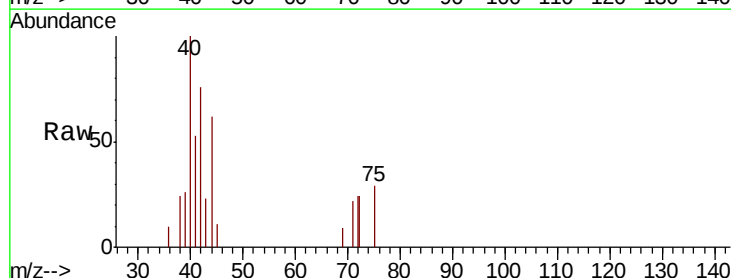
Tgt Ion: 42 Resp: 1612

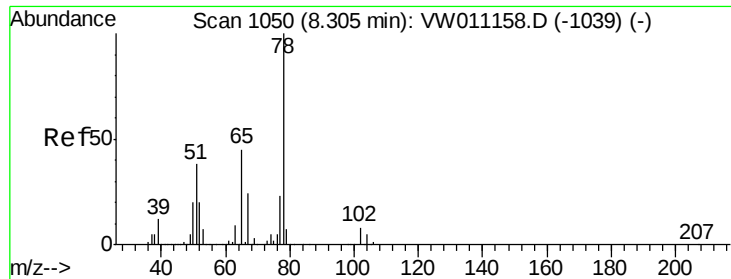
Ion Ratio Lower Upper

42 100

72 32.2 27.4 41.2

71 27.1 25.9 38.9

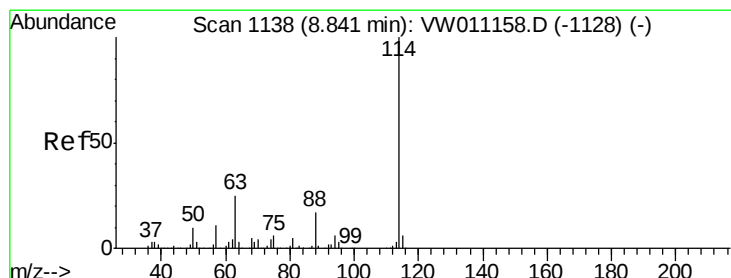
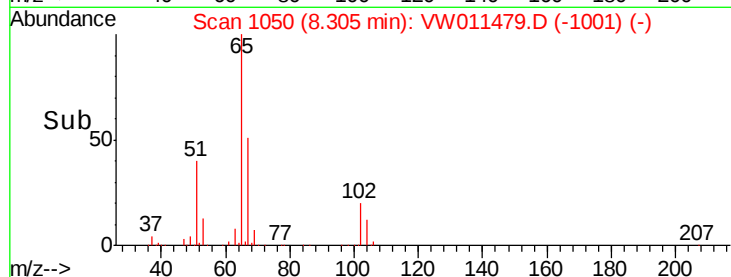
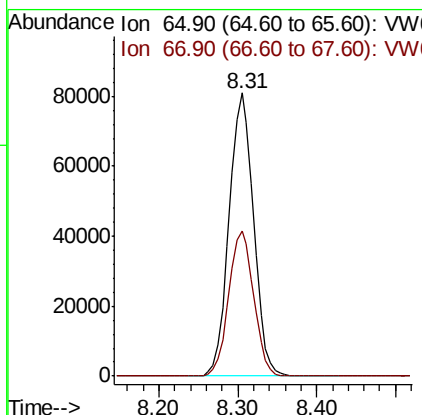
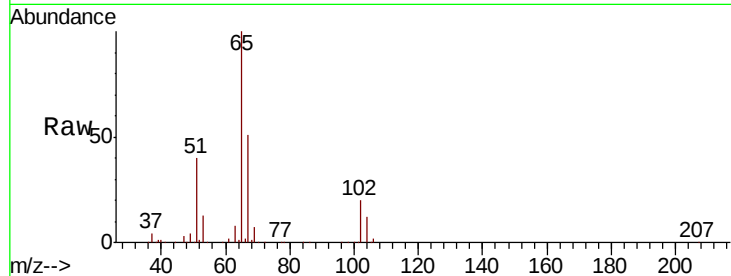




#33
 1,2-Dichloroethane-d4
 Concen: 50.355 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011479.D
 Acq: 24 Jul 2019 17:06

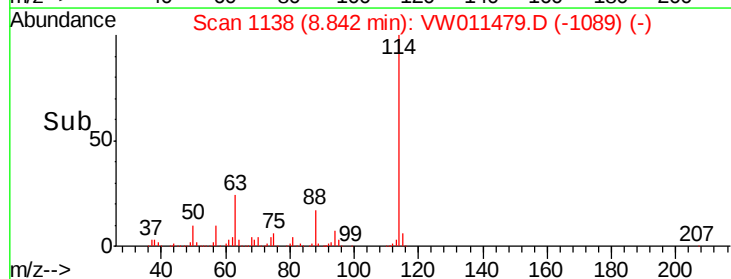
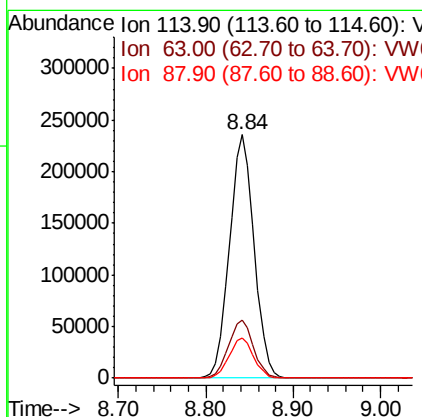
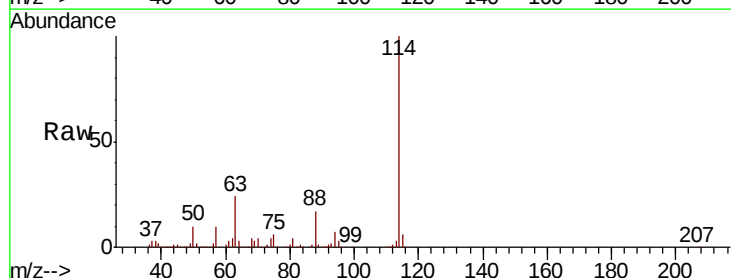
Instrument :
 MSVOA_W
 ClientSampleId :

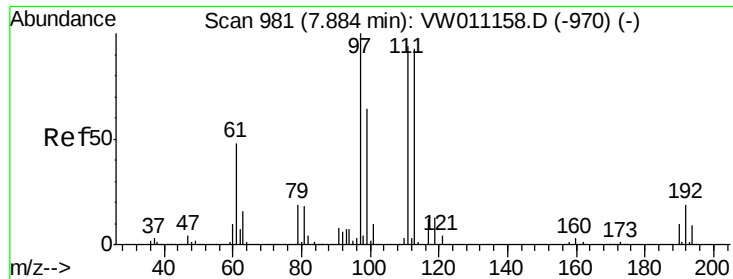
Tot Ion: 65 Resp: 175210
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011479.D
 Acq: 24 Jul 2019 17:06

Tgt Ion: 114 Resp: 460382
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 50.8
 88 16.5 0.0 34.2

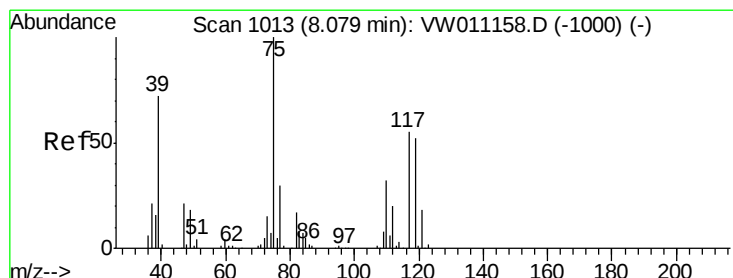
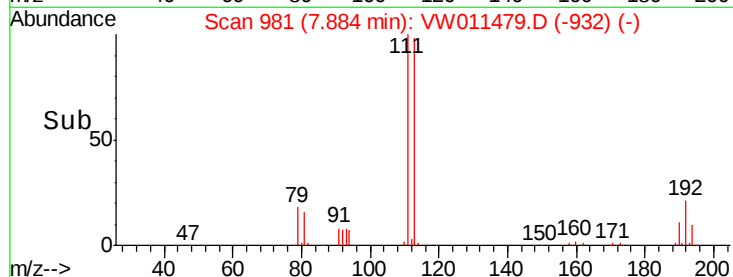
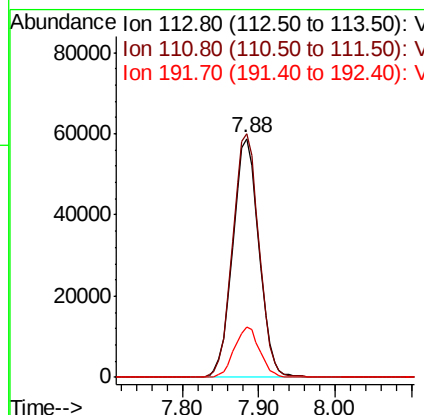
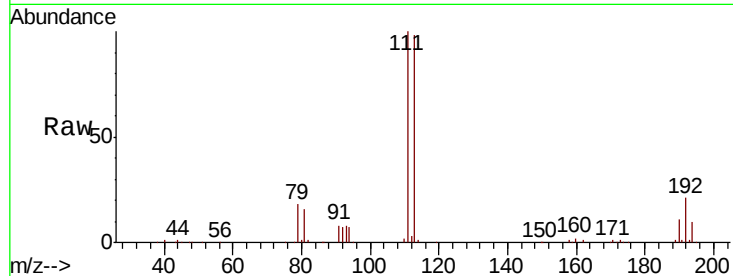




#35
 Dibromofluoromethane
 Concen: 50.634 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011479.D
 Acq: 24 Jul 2019 17:06

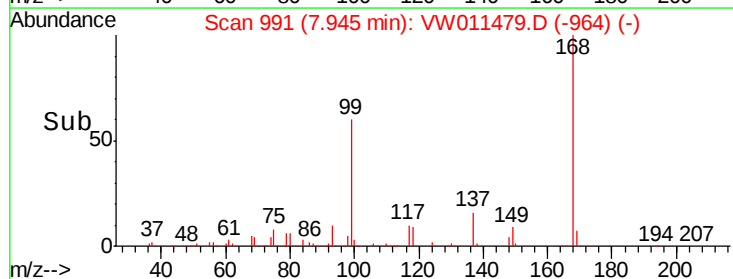
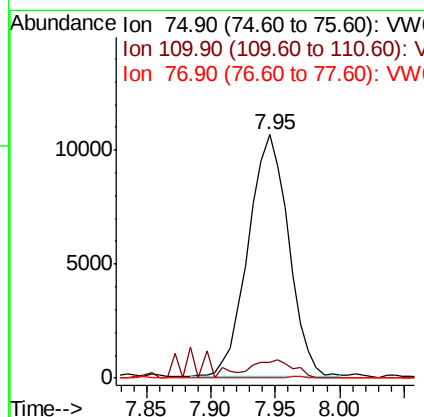
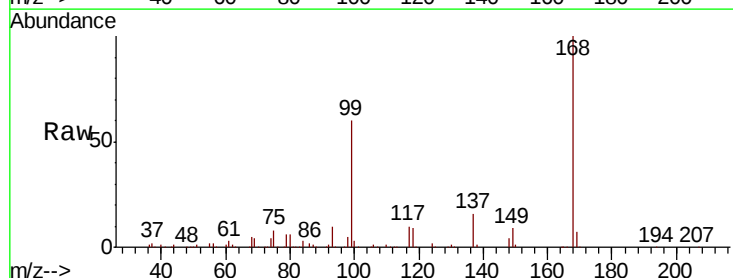
Instrument :
 MSVOA_W
 ClientSampleId :

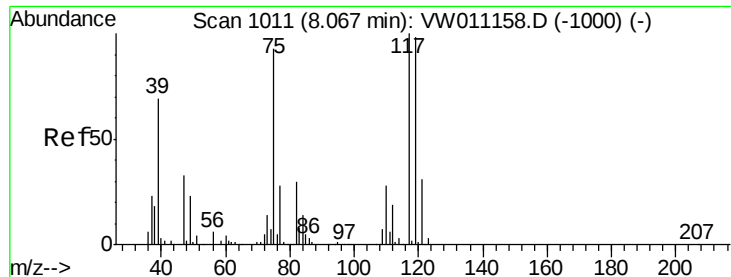
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	20.4	15.8	23.8



#36
 1,1-Dichloropropene
 Concen: 4.663 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011479.D
 Acq: 24 Jul 2019 17:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.6	15.9	47.6#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.712 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011479.D

Acq: 24 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampled :

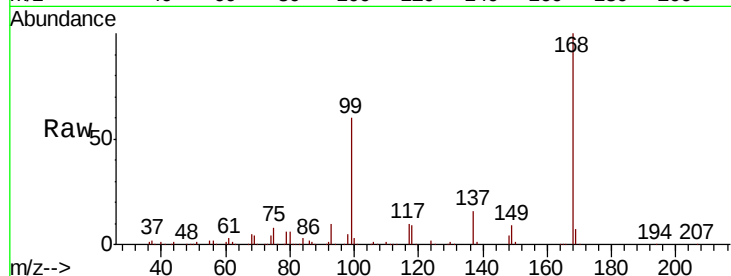
Tot Ion:117 Resp: 27897

Ion Ratio Lower Upper

117 100

119 4.0 78.1 117.1#

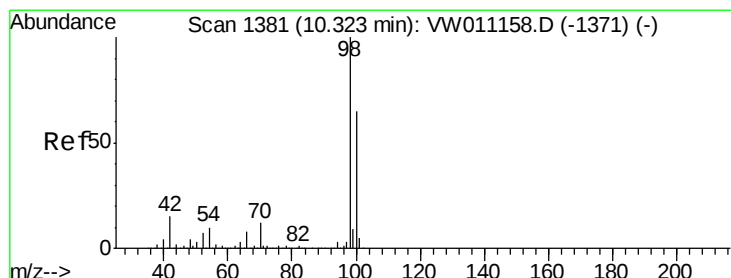
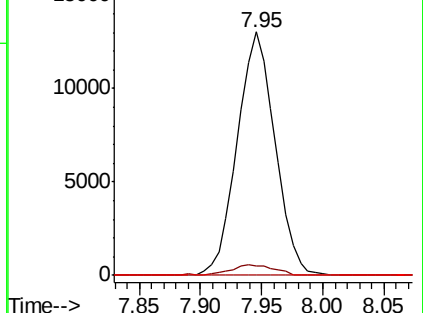
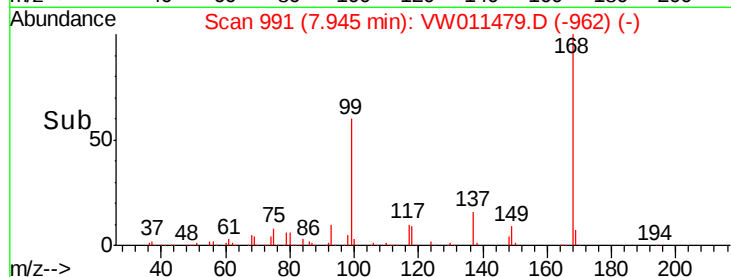
121 0.0 25.1 37.7#



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: 50.154 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011479.D

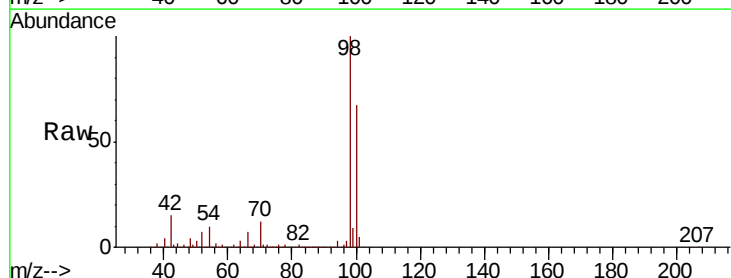
Acq: 24 Jul 2019 17:06

Tgt Ion: 98 Resp: 556306

Ion Ratio Lower Upper

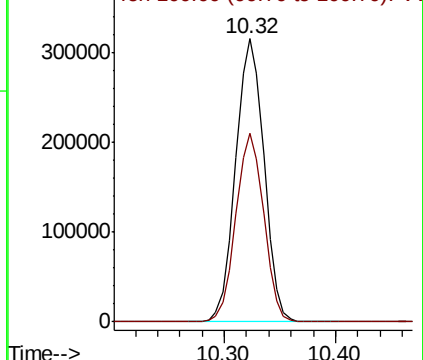
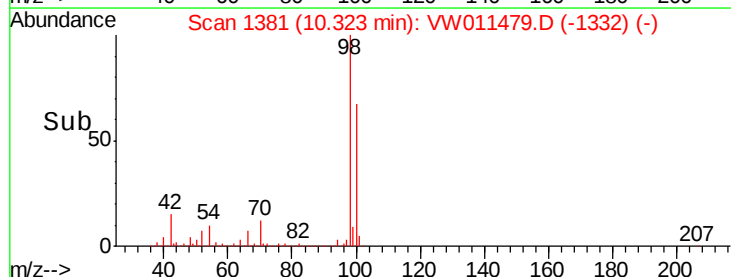
98 100

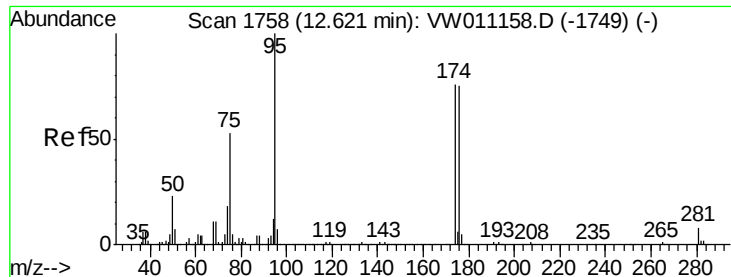
100 65.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

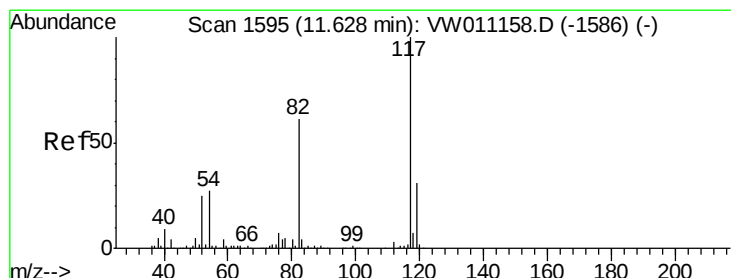
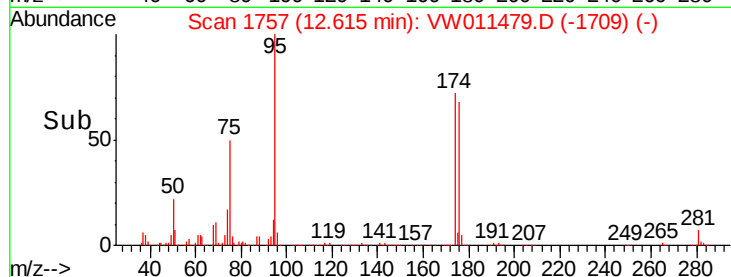
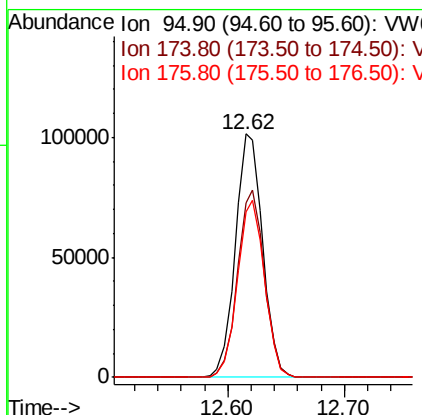
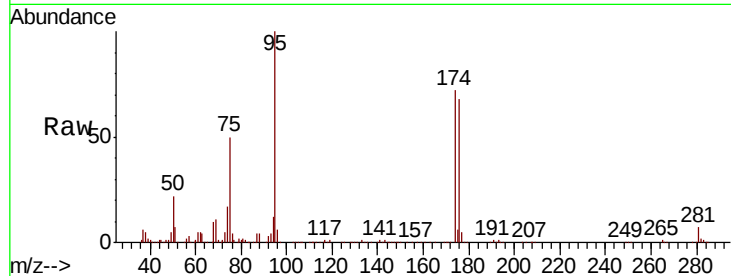




#62
4-Bromofluorobenzene
Concen: 40.635 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW011479.D
Acq: 24 Jul 2019 17:06

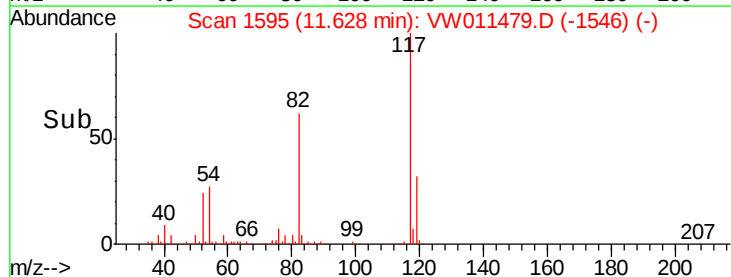
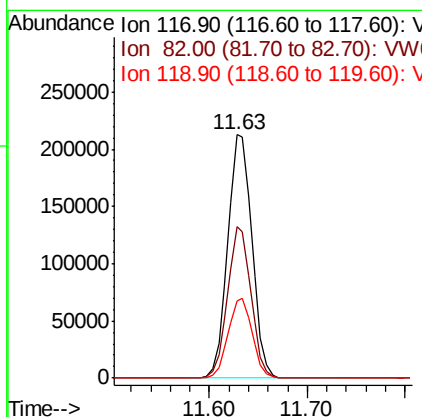
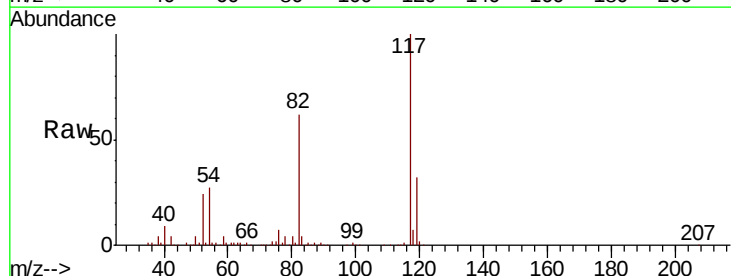
Instrument :
MSVOA_W
ClientSampleId :

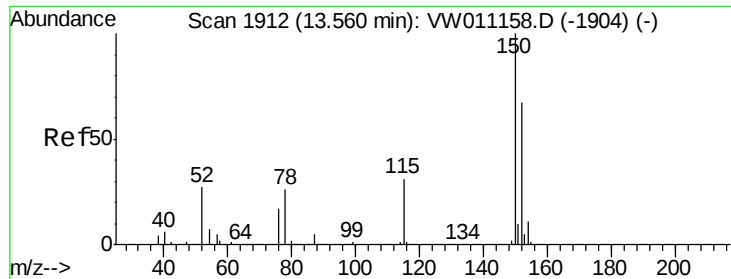
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	147.6
176	72.2	0.0	144.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011479.D
Acq: 24 Jul 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.4	48.9	73.3
119	31.7	25.0	37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011479.D

Acq: 24 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

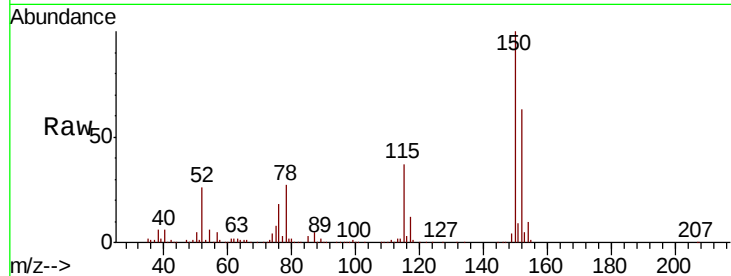
Tot Ion:152 Resp: 129650

Ion Ratio Lower Upper

152 100

115 59.3 30.1 90.3

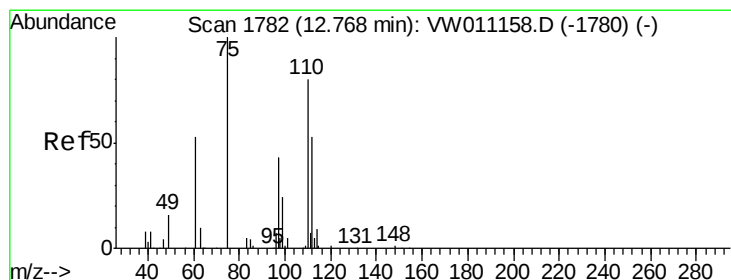
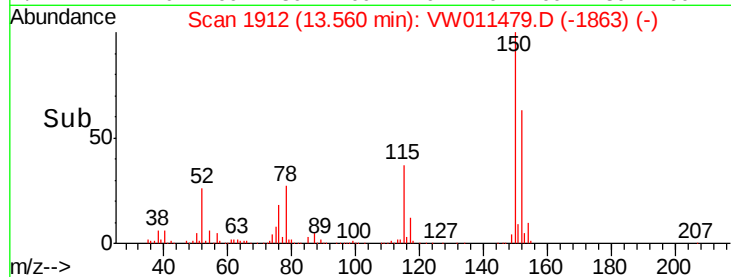
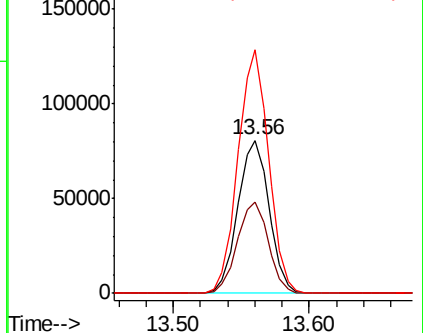
150 155.7 0.0 346.0



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: 56.869 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011479.D

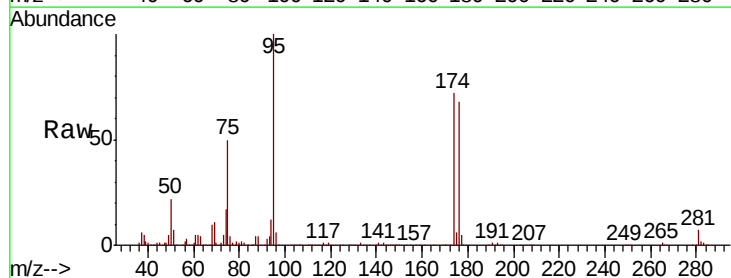
Acq: 24 Jul 2019 17:06

Tgt Ion: 75 Resp: 85205

Ion Ratio Lower Upper

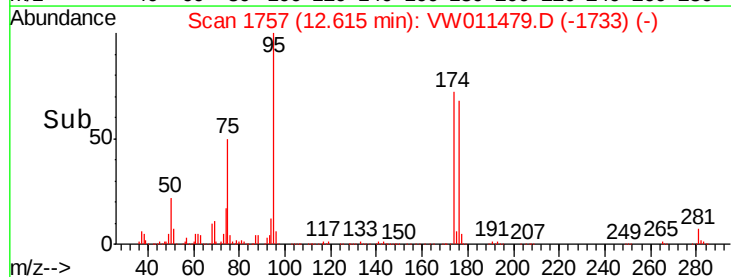
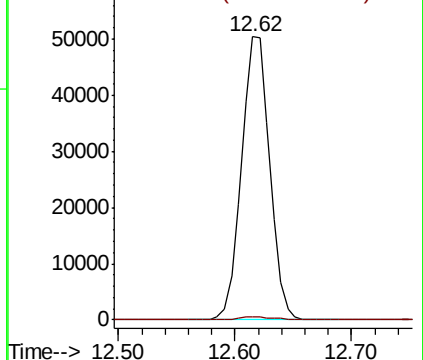
75 100

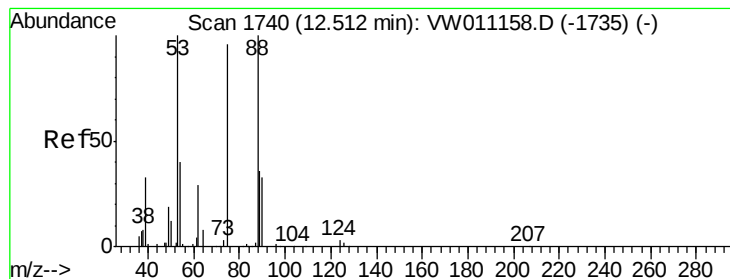
77 1.3 0.0 0.0#



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: 128.627 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011479.D

Acq: 24 Jul 2019 17:06

Instrument :

MSVOA_W

ClientSampleId :

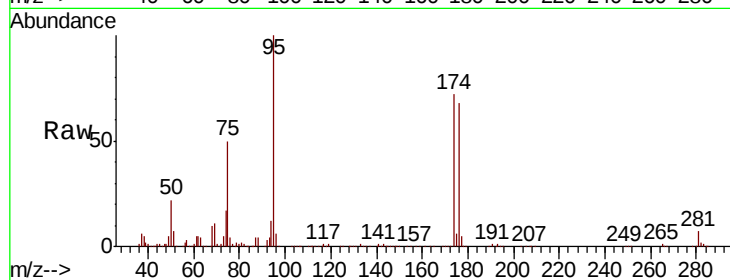
Tot Ion: 75 Resp: 85205

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#



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

