

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012349.D
 Acq On : 30 Aug 2019 14:51
 Operator : SY/VA
 Sample : K4620-04
 Misc : 5.42G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919

Quant Time: Aug 30 17:01:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113420	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	131075	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	7.88	113	104898	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
50) Toluene-d8	10.32	98	423633	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.62	95	132936	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

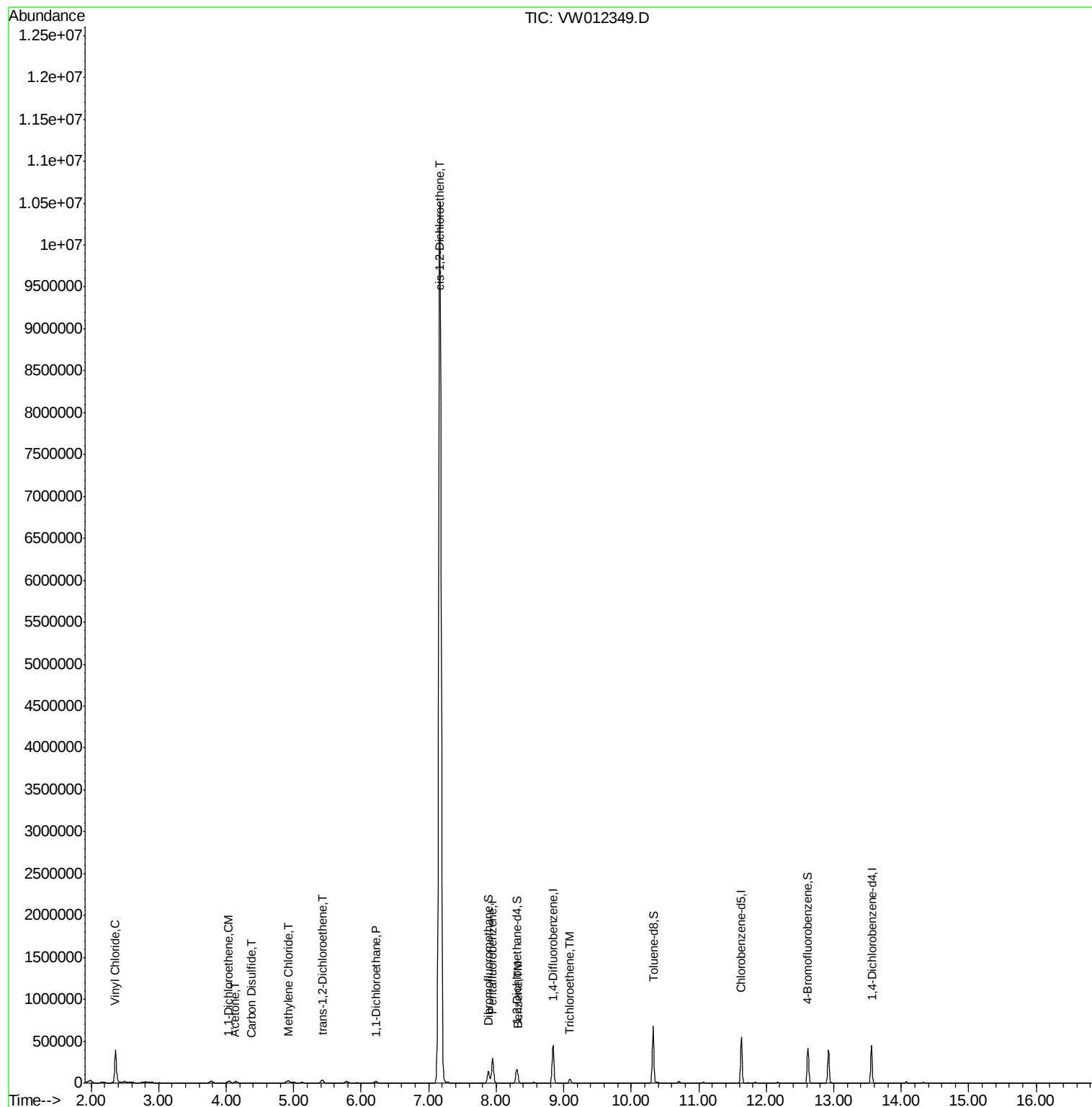
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.36	62	447840	182.113	ug/l	99
12) 1,1-Dichloroethene	4.03	96	14553	6.889	ug/l	99
16) Acetone	4.14	43	42089	65.765	ug/l	98
17) Carbon Disulfide	4.37	76	9393	1.471	ug/l	99
20) Methylene Chloride	4.91	84	21551	8.907	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	21395	9.444	ug/l	93
24) 1,1-Dichloroethane	6.21	63	27350	6.000	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	5979160	2470.342	ug/l	92
40) Benzene	8.32	78	11212	1.137	ug/l	97
44) Trichloroethene	9.09	130	16527	6.895	ug/l	94

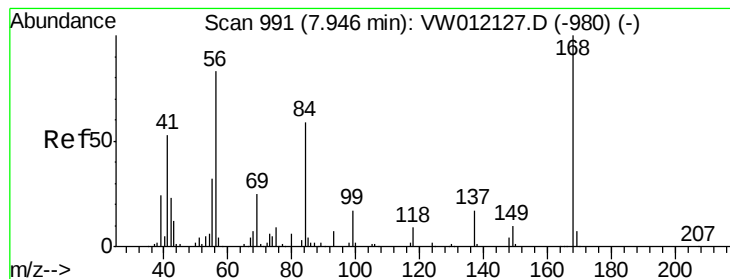
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW083019\
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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 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: VW012349.D

Acq: 30 Aug 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

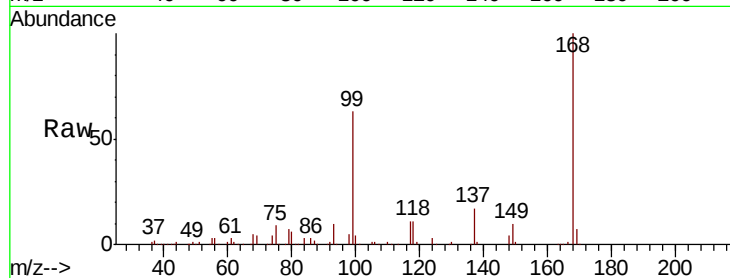
S505-K2-9.5-10.0-082919

Tot Ion:168 Resp: 210614

Ion Ratio Lower Upper

168 100

99 63.5 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

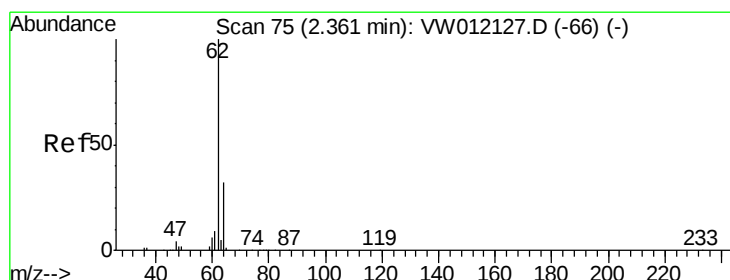
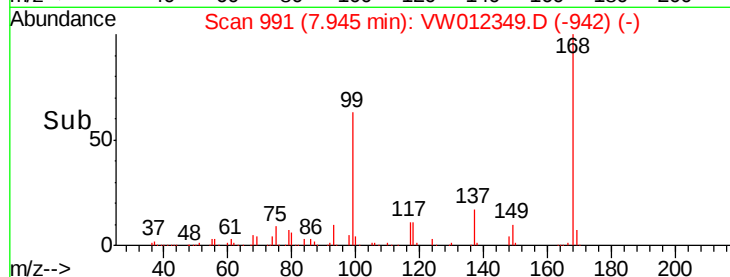
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 182.113 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012349.D

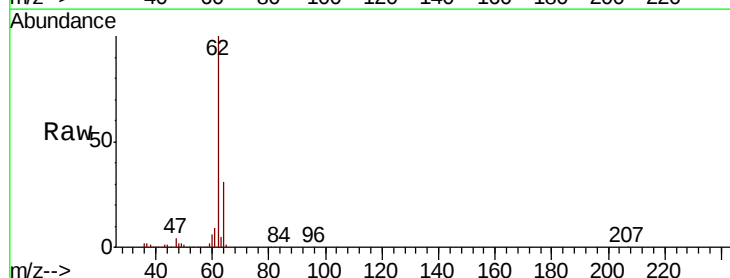
Acq: 30 Aug 2019 14:51

Tgt Ion: 62 Resp: 447840

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

250000

200000

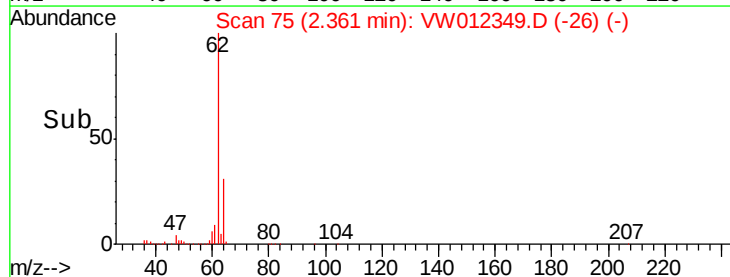
150000

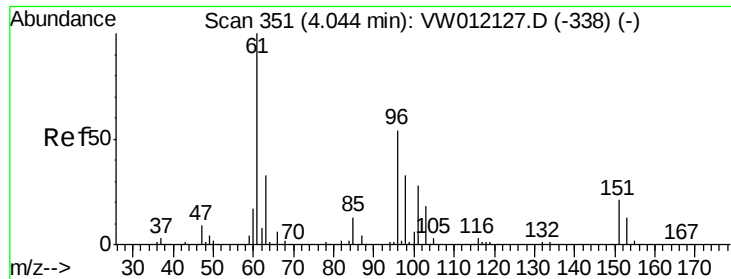
100000

50000

0

Time--> 2.20 2.30 2.40 2.50

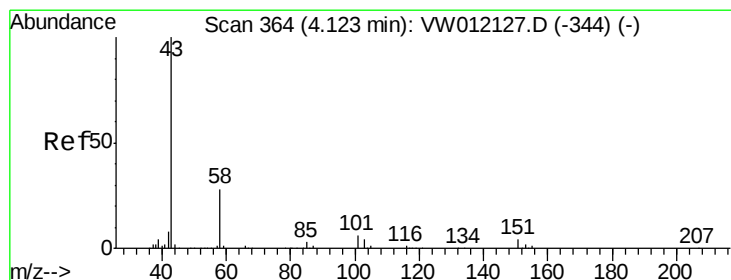
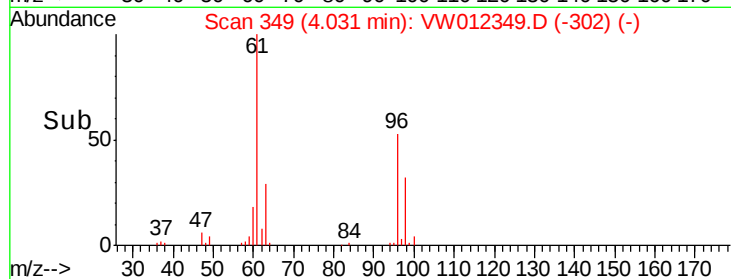
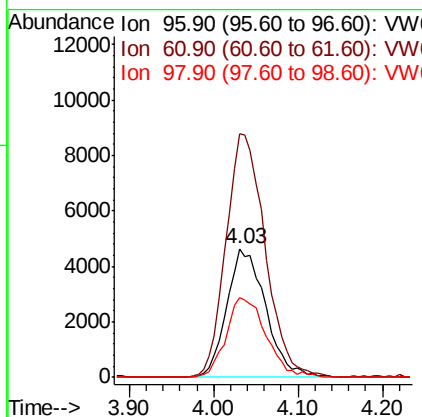
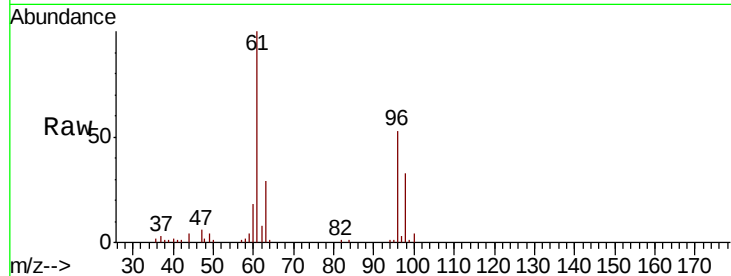




#12
 1,1-Dichloroethene
 Concen: 6.889 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012349.D
 Acq: 30 Aug 2019 14:51

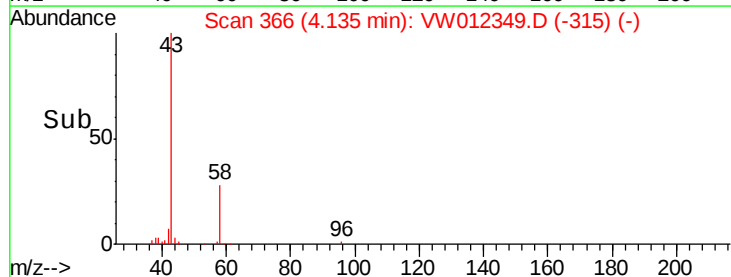
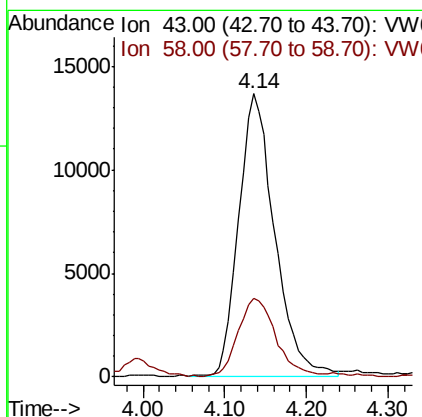
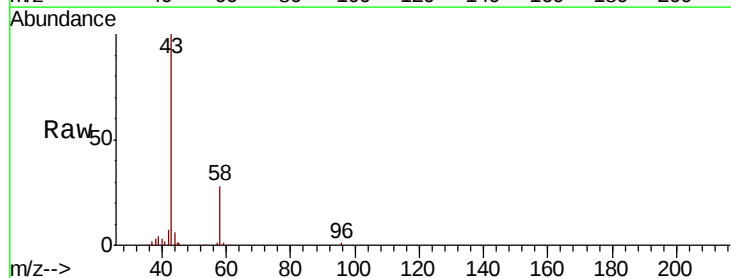
Instrument :
 MSVOA_W
 ClientSampleId :
 S505-K2-9.5-10.0-082919

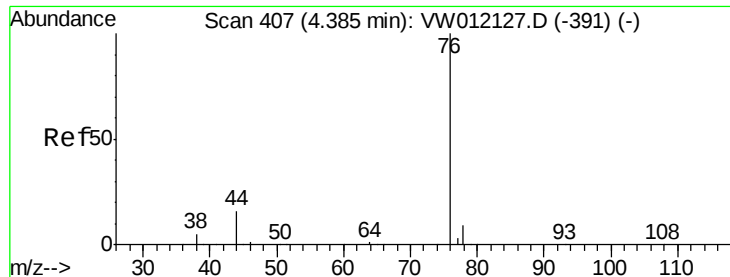
Tot Ion: 96 Resp: 14553
 Ion Ratio Lower Upper
 96 100
 61 188.9 149.1 223.7
 98 62.1 49.4 74.2



#16
 Acetone
 Concen: 65.765 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VW012349.D
 Acq: 30 Aug 2019 14:51

Tgt Ion: 43 Resp: 42089
 Ion Ratio Lower Upper
 43 100
 58 27.2 22.4 33.6





#17

Carbon Disulfide

Concen: 1.471 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

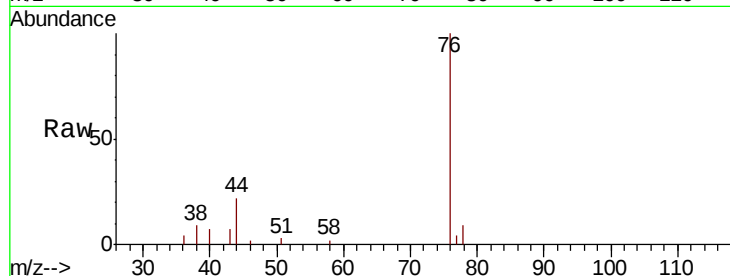
S505-K2-9.5-10.0-082919

Tot Ion: 76 Resp: 9393

Ion Ratio Lower Upper

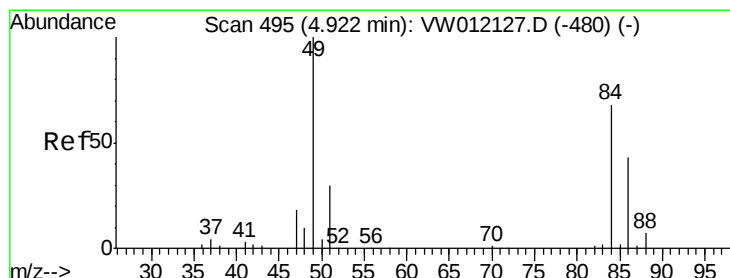
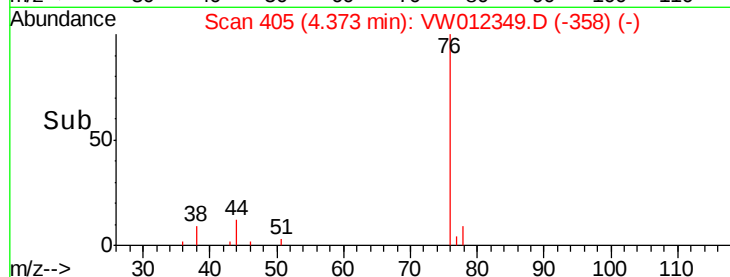
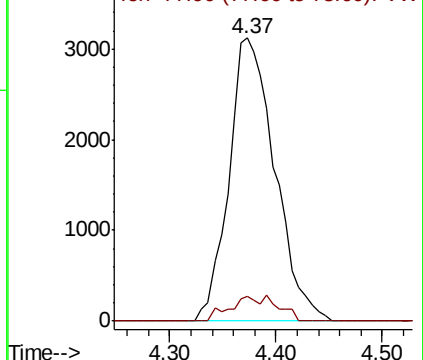
76 100

78 8.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#20

Methylene Chloride

Concen: 8.907 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

Tgt Ion: 84 Resp: 21551

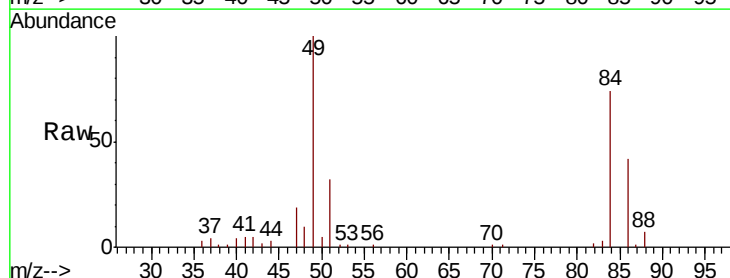
Ion Ratio Lower Upper

84 100

49 133.5 117.8 176.8

51 42.8 35.6 53.4

86 56.4 51.2 76.8

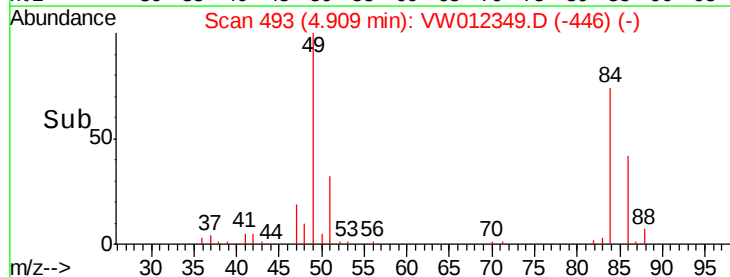
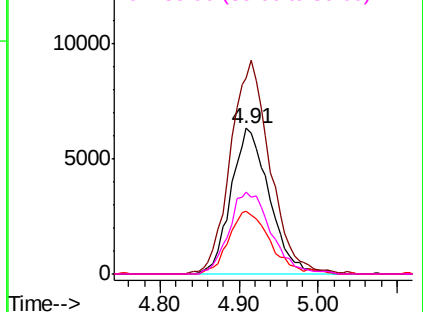


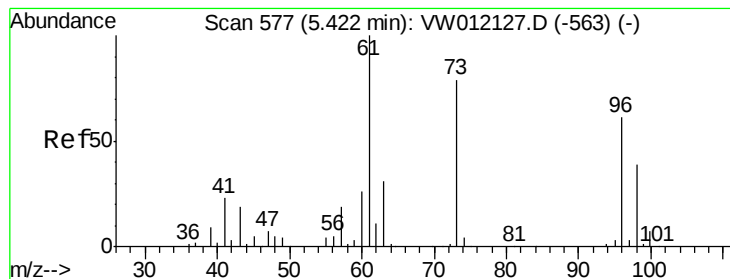
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#21

trans-1,2-Dichloroethene

Concen: 9.444 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

Instrument :

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ClientSampleId :

S505-K2-9.5-10.0-082919

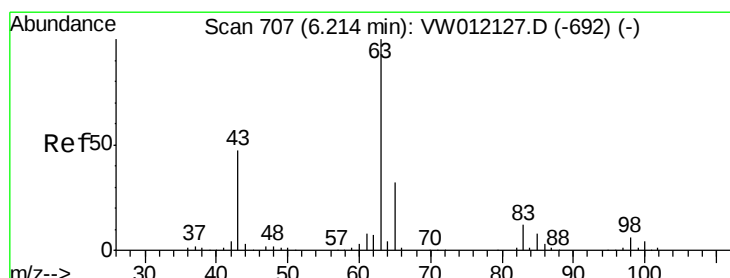
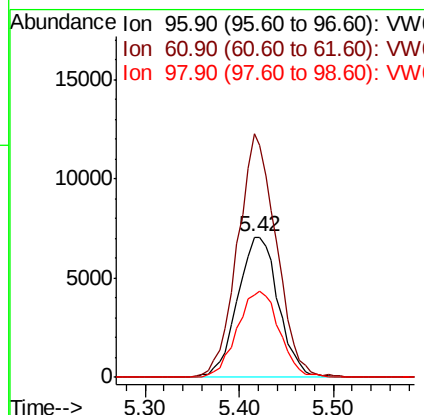
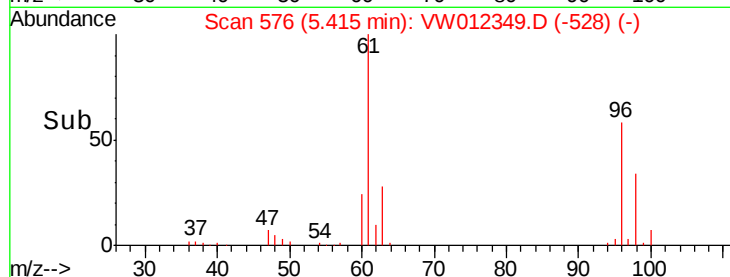
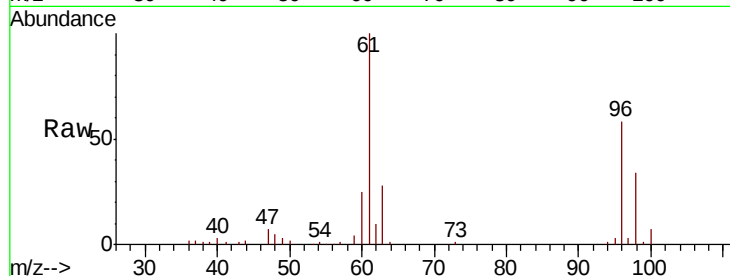
Tot Ion: 96 Resp: 21395

Ion Ratio Lower Upper

96 100

61 173.7 131.4 197.0

98 58.4 51.4 77.0



#24

1,1-Dichloroethane

Concen: 6.000 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

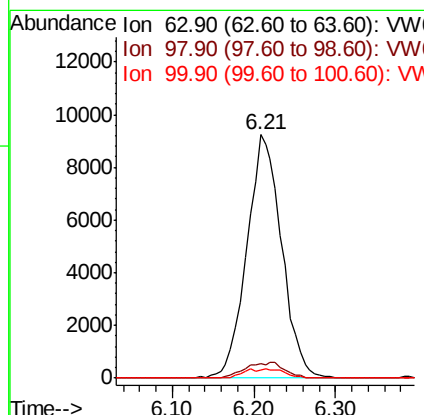
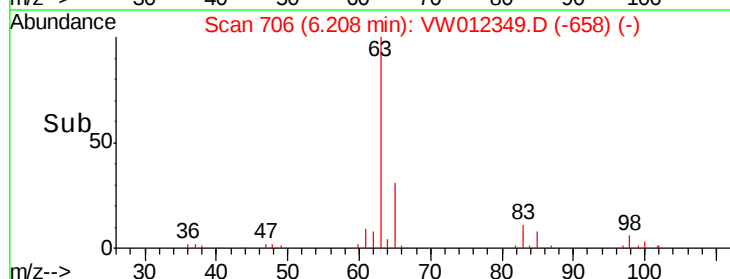
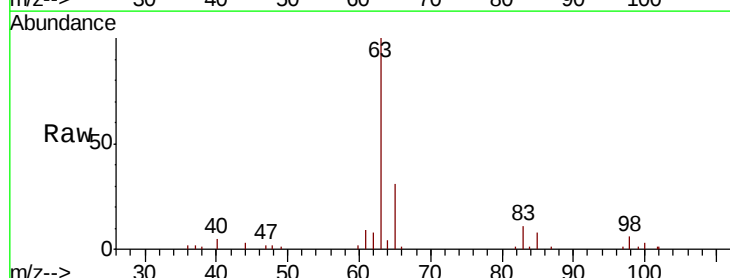
Tgt Ion: 63 Resp: 27350

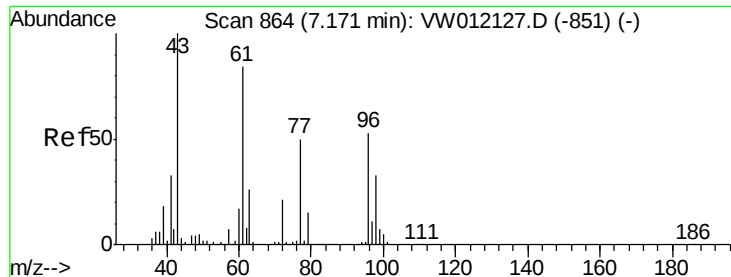
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 3.3 2.0 6.0



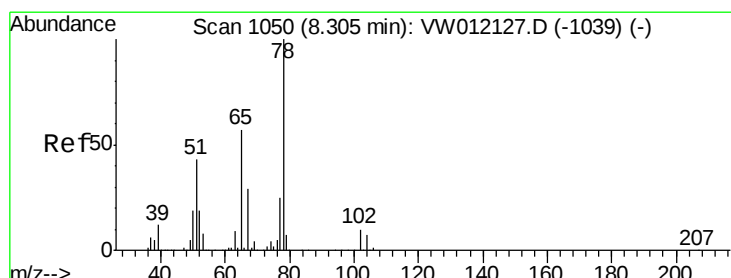
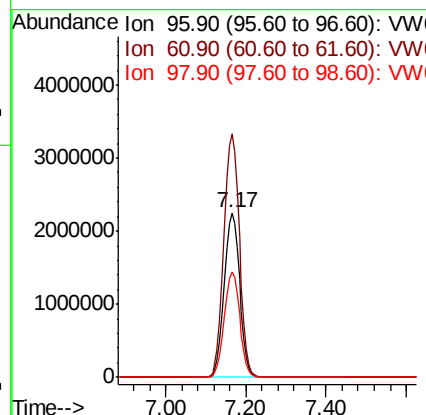
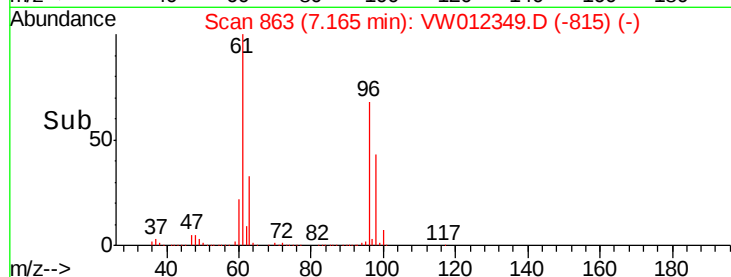
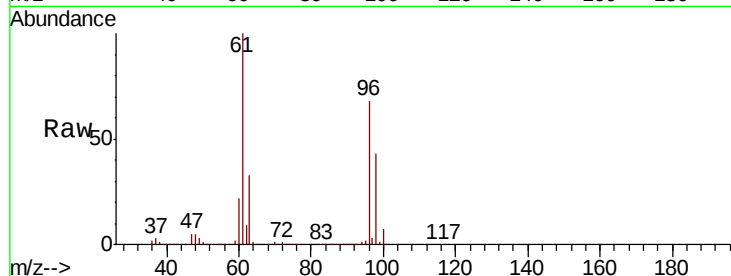


#27

cis-1,2-Dichloroethene
Concen: 2470.342 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012349.D
Acq: 30 Aug 2019 14:51

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919

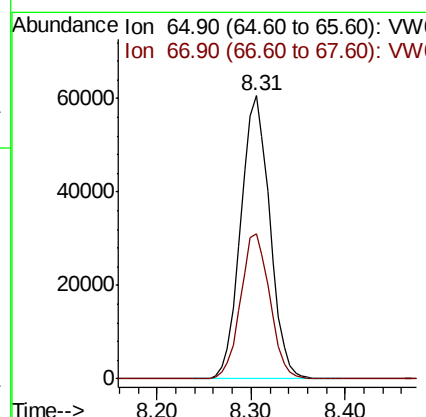
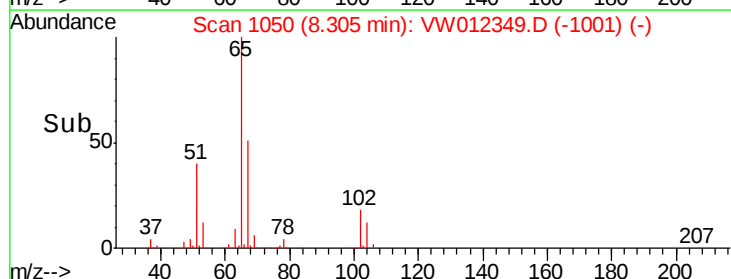
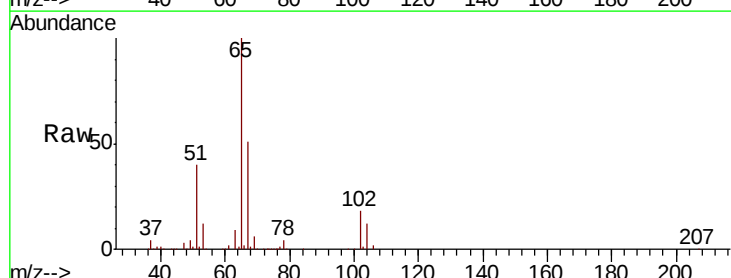
Tot Ion: 96 Resp: 5979160
Ion Ratio Lower Upper
96 100
61 149.3 0.0 326.6
98 64.3 0.0 127.4

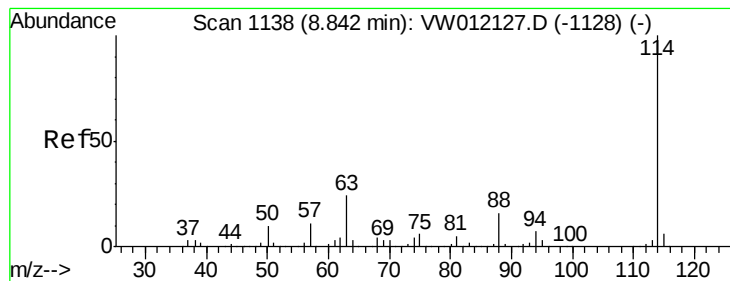


#33

1,2-Dichloroethane-d4
Concen: 52.353 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012349.D
Acq: 30 Aug 2019 14:51

Tgt Ion: 65 Resp: 131075
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

Instrument :

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ClientSampleId :

S505-K2-9.5-10.0-082919

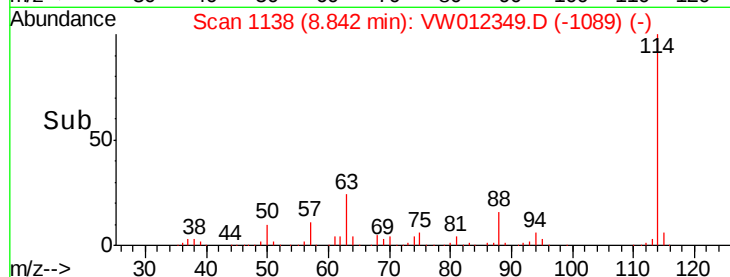
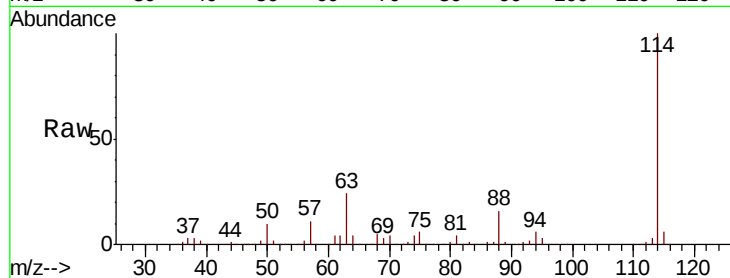
Tot Ion:114 Resp: 349441

Ion Ratio Lower Upper

114 100

63 23.9 0.0 48.6

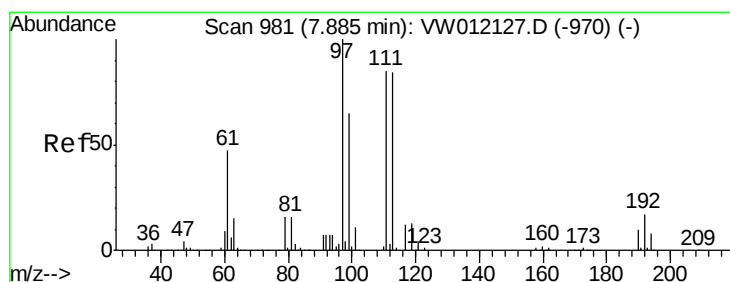
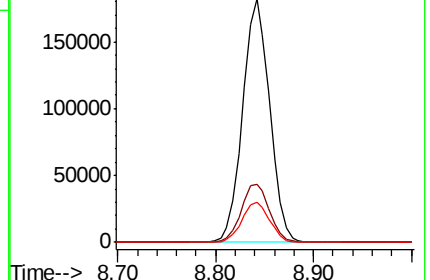
88 16.4 0.0 32.2



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: 50.291 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

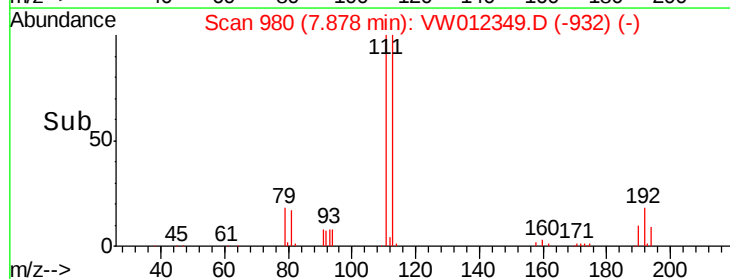
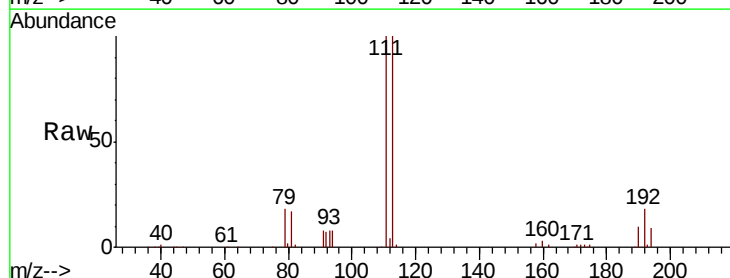
Tgt Ion:113 Resp: 104898

Ion Ratio Lower Upper

113 100

111 103.0 82.7 124.1

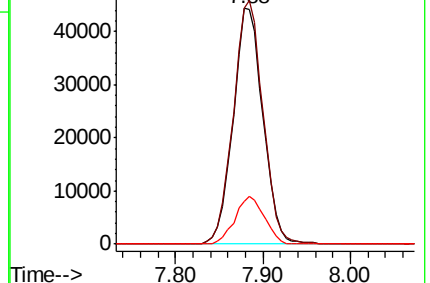
192 19.9 16.2 24.2

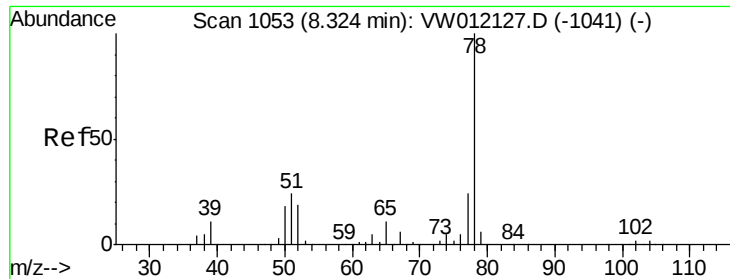


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.137 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

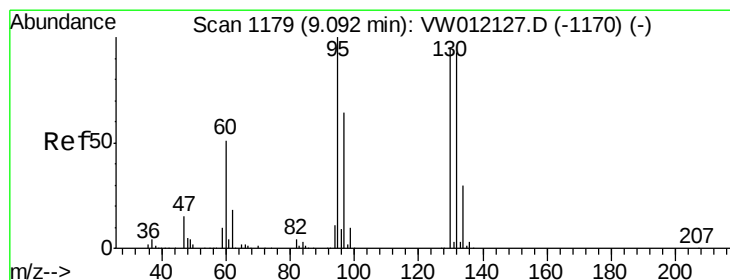
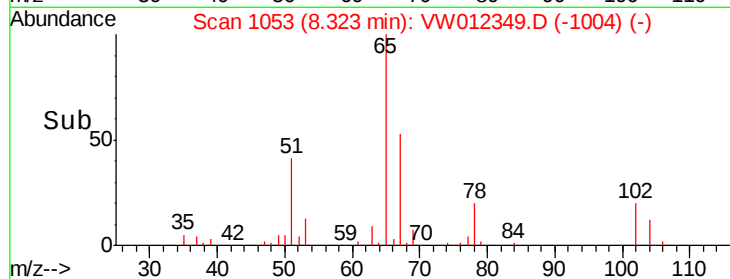
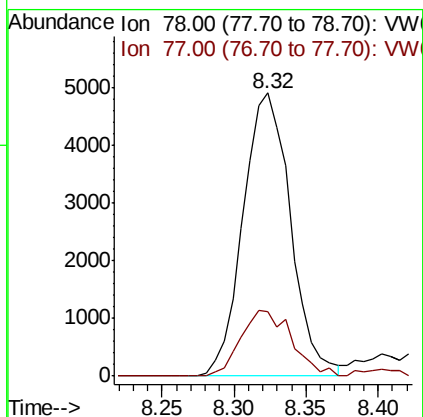
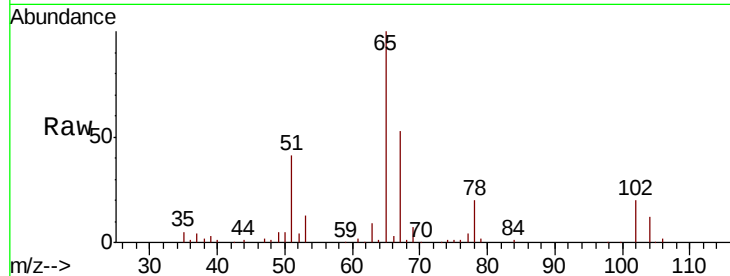
S505-K2-9.5-10.0-082919

Tot Ion: 78 Resp: 11212

Ion Ratio Lower Upper

78 100

77 22.7 19.5 29.3



#44

Trichloroethene

Concen: 6.895 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012349.D

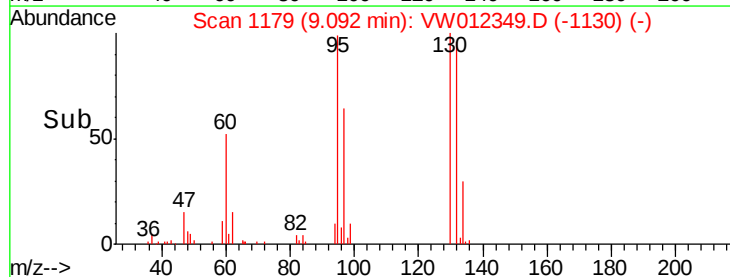
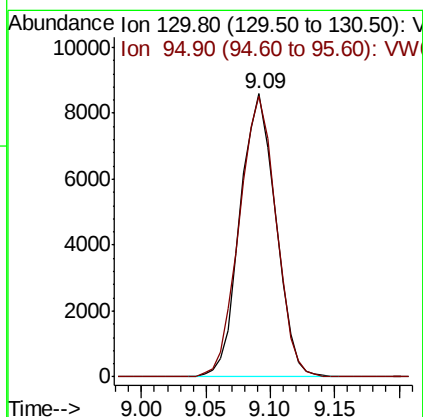
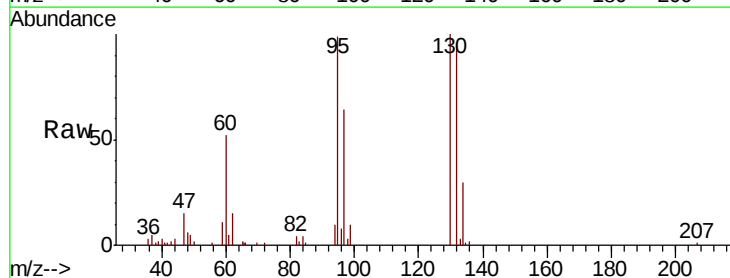
Acq: 30 Aug 2019 14:51

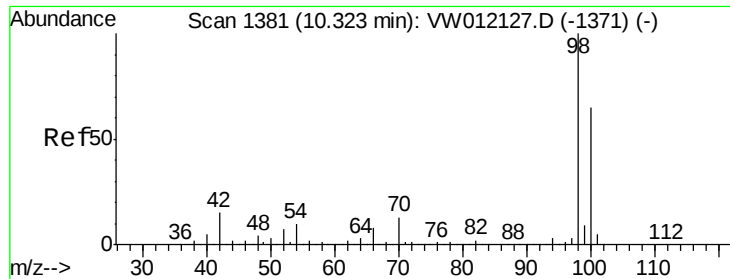
Tgt Ion: 130 Resp: 16527

Ion Ratio Lower Upper

130 100

95 99.3 0.0 210.6





#50

Toluene-d8

Concen: 50.090 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

Instrument :

MSVOA_W

ClientSampleId :

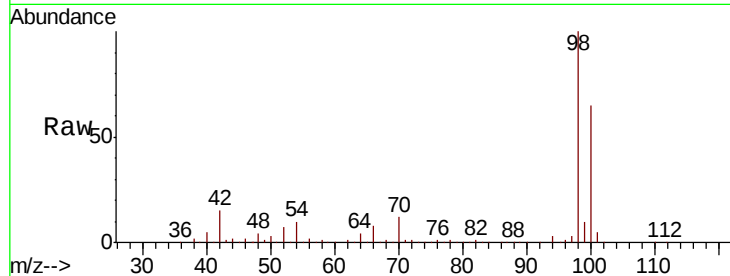
S505-K2-9.5-10.0-082919

Tot Ion: 98 Resp: 423633

Ion Ratio Lower Upper

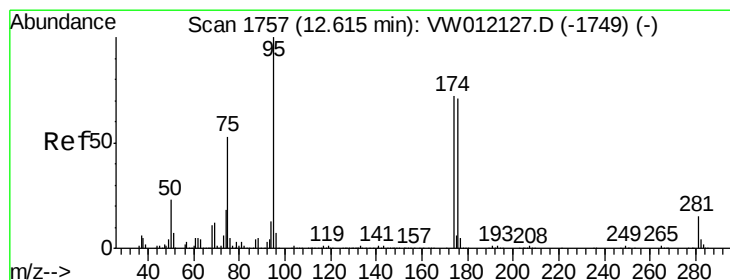
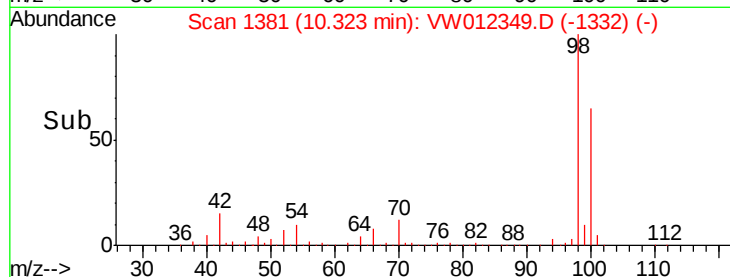
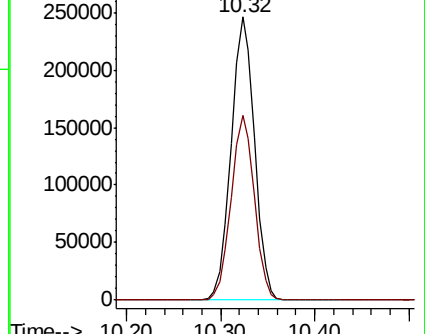
98 100

100 64.9 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: 44.591 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012349.D

Acq: 30 Aug 2019 14:51

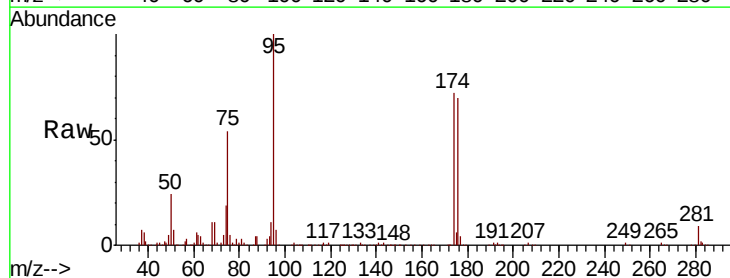
Tgt Ion: 95 Resp: 132936

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.8

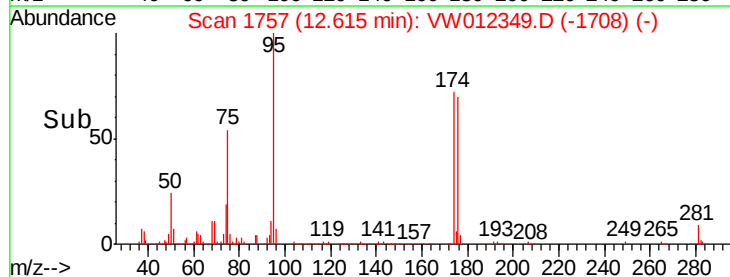
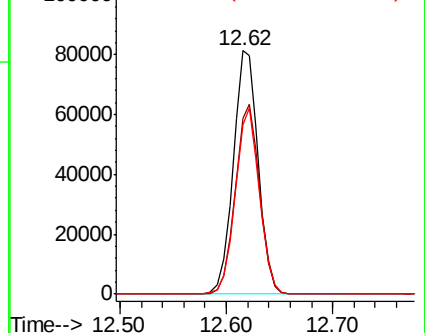
176 73.7 0.0 148.6

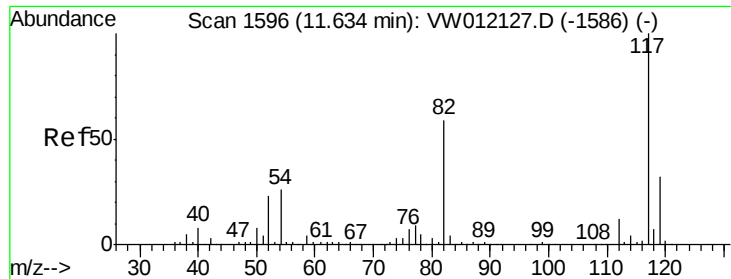


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

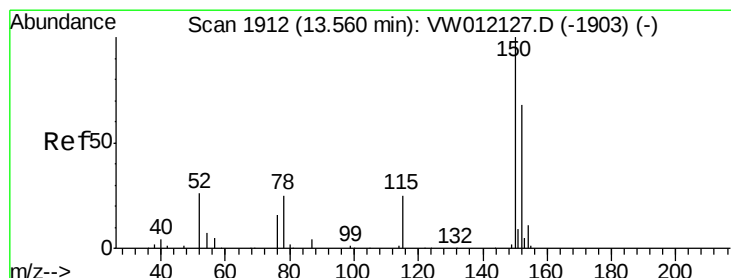
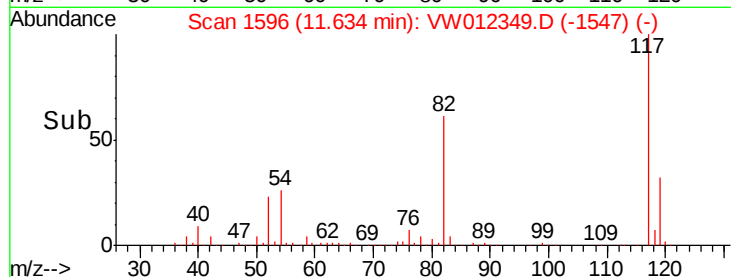
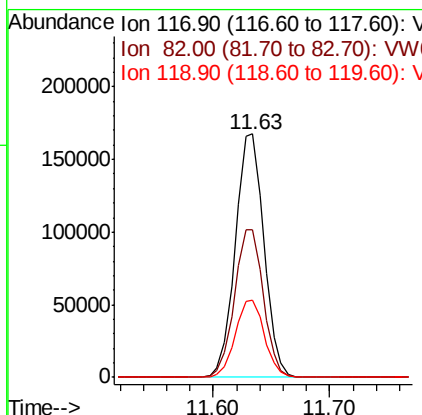
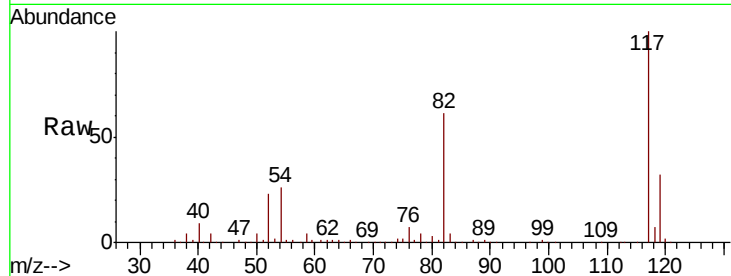




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012349.D
Acq: 30 Aug 2019 14:51

Instrument :
MSVOA_W
ClientSampleId :
S505-K2-9.5-10.0-082919

Tot Ion:117 Resp: 287744
Ion Ratio Lower Upper
117 100
82 60.9 47.4 71.2
119 31.8 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: VW012349.D
Acq: 30 Aug 2019 14:51

Tgt Ion:152 Resp: 113420
Ion Ratio Lower Upper
152 100
115 59.6 30.1 90.3
150 156.9 0.0 345.8

