

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012305.D
 Acq On : 29 Aug 2019 16:03
 Operator : SY/VA
 Sample : K4571-01
 Misc : 5.94G/5ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-3425

Quant Time: Aug 30 06:49:35 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	243357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	402408	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	337207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140431	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	151818	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.88	113	121326	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.32	98	491848	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.62	95	161010	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	

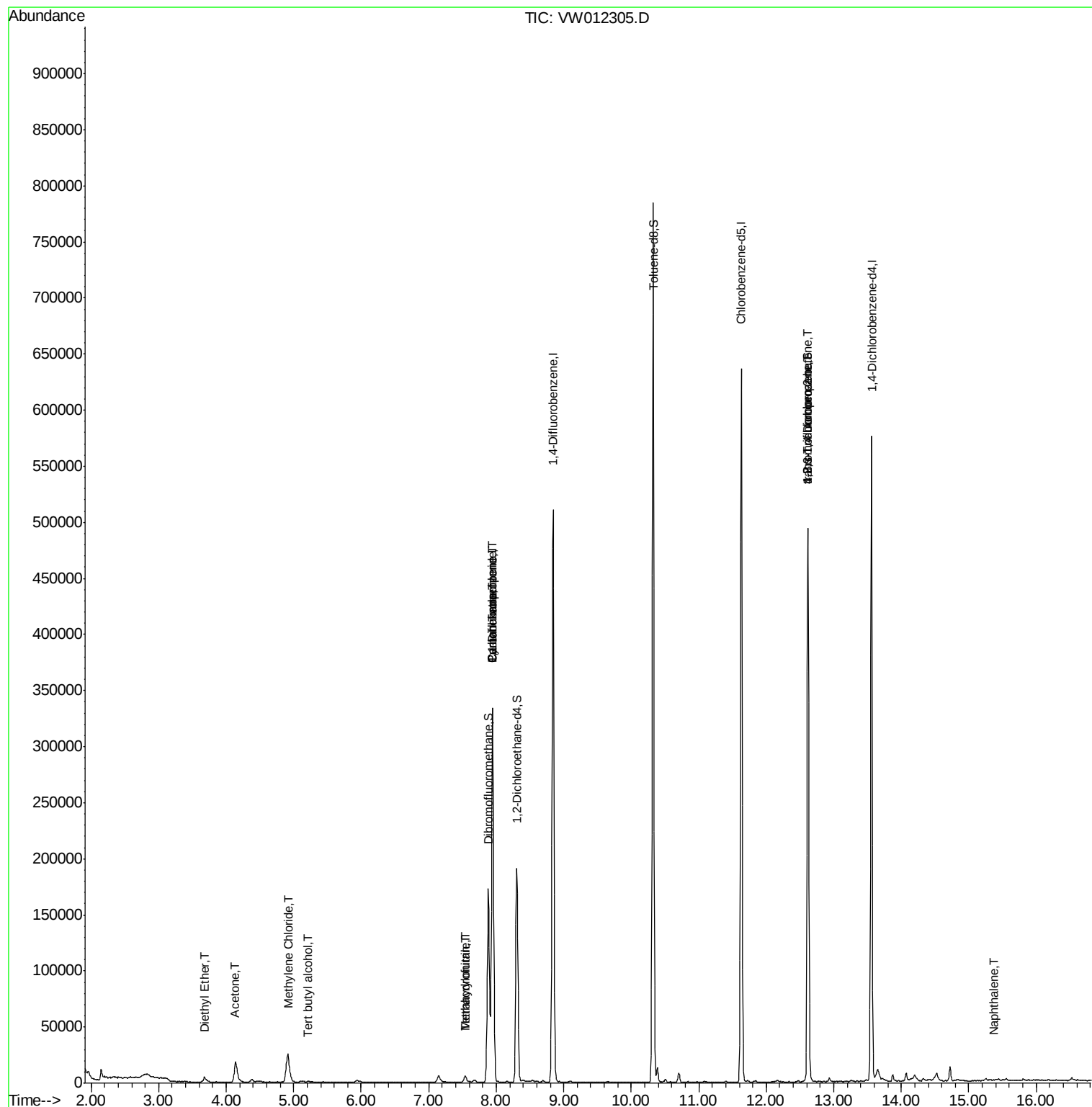
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1967	1.452	ug/l	66
11) Tert butyl alcohol	5.21	59	395	2.269	ug/l	97
16) Acetone	4.14	43	37427	50.612	ug/l	99
20) Methylene Chloride	4.92	84	18799	6.725	ug/l	97
29) Tetrahydrofuran	7.54	42	5799	9.619	ug/l	98
31) Cyclohexane	7.94	56	5984	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20098	4.833	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24300	6.751	ug/l #	17
41) Methacrylonitrile	7.54	41	3375	2.520	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	85566	62.562	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	85566	137.170	ug/l #	6
95) Naphthalene	15.36	128	842	4.466	ug/l #	86

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

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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: VW012305.D

Acq: 29 Aug 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

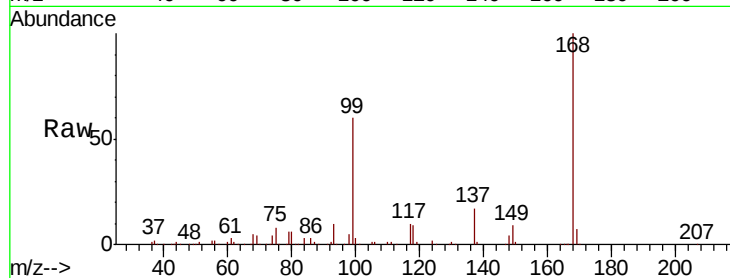
RT-3425

Tgt Ion:168 Resp: 243357

Ion Ratio Lower Upper

168 100

99 60.3 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

120000

100000

80000

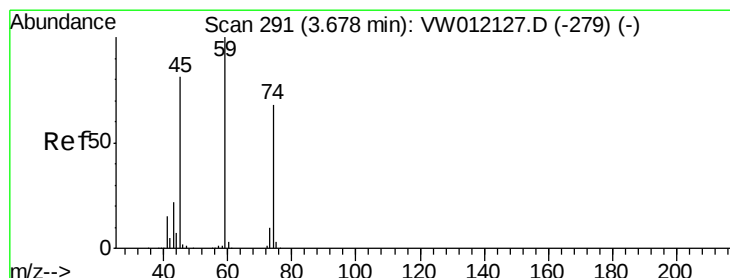
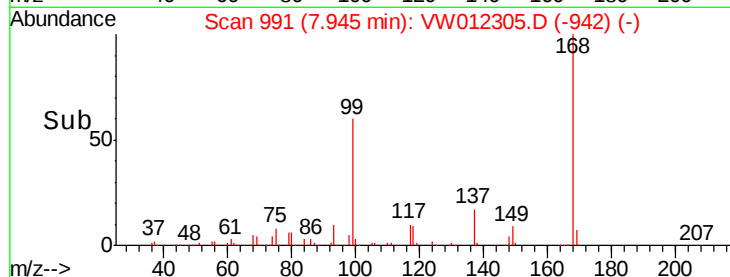
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.452 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012305.D

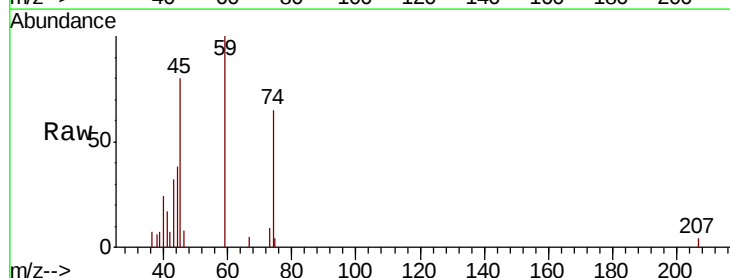
Acq: 29 Aug 2019 16:03

Tgt Ion: 74 Resp: 1967

Ion Ratio Lower Upper

74 100

45 155.5 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

1200

1000

800

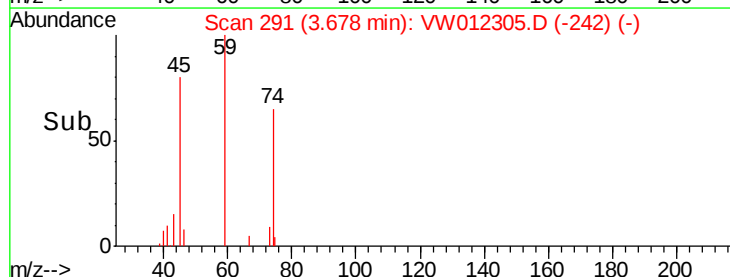
600

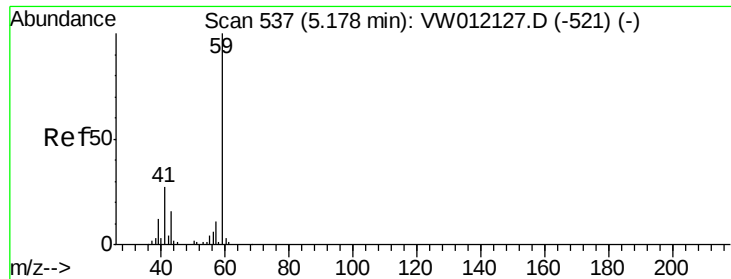
400

200

0

Time--> 3.60 3.65 3.70 3.75

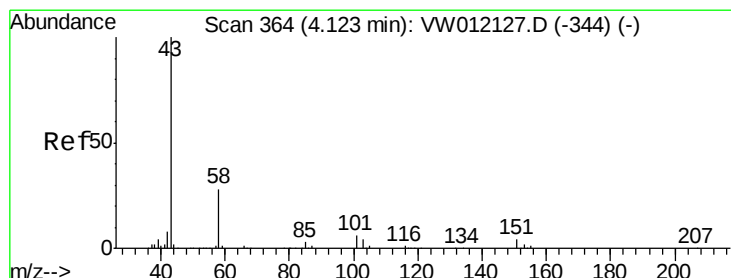
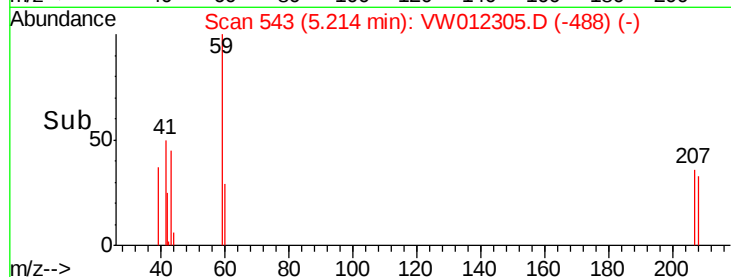
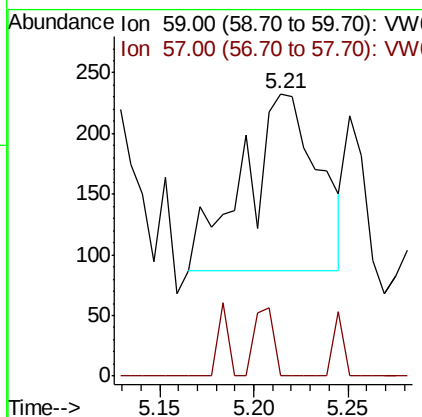
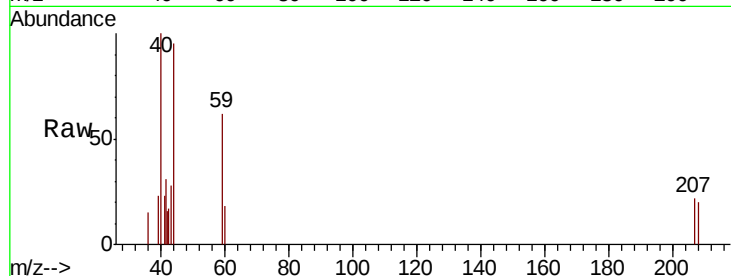




#11
Tert butyl alcohol
Concen: 2.269 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.04 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

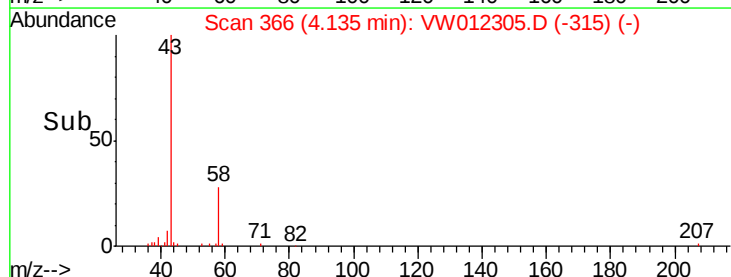
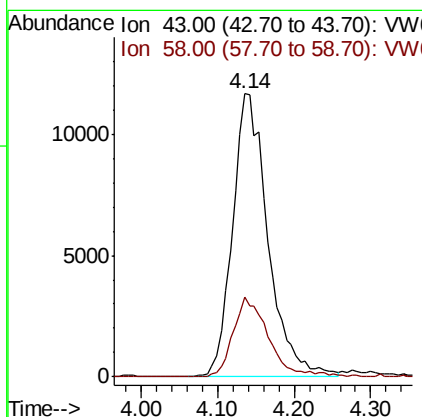
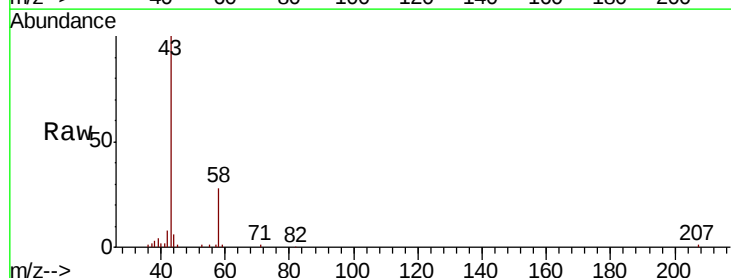
Instrument :
MSVOA_W
ClientSampled :
RT-3425

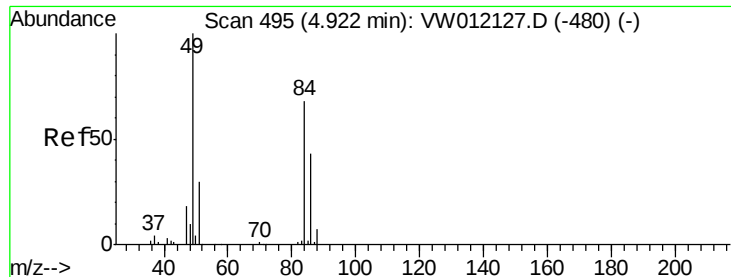
Tgt Ion: 59 Resp: 395
Ion Ratio Lower Upper
59 100
57 10.1 9.0 13.4



#16
Acetone
Concen: 50.612 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

Tgt Ion: 43 Resp: 37427
Ion Ratio Lower Upper
43 100
58 28.4 22.4 33.6





#20

Methylene Chloride

Concen: 6.725 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

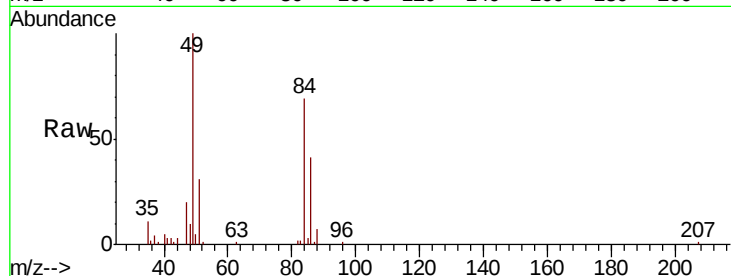
Lab File: VW012305.D

Acq: 29 Aug 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
RT-3425

Tgt Ion: 84 Resp: 18799

Ion	Ratio	Lower	Upper
84	100		
49	144.0	117.8	176.8
51	44.3	35.6	53.4
86	58.9	51.2	76.8

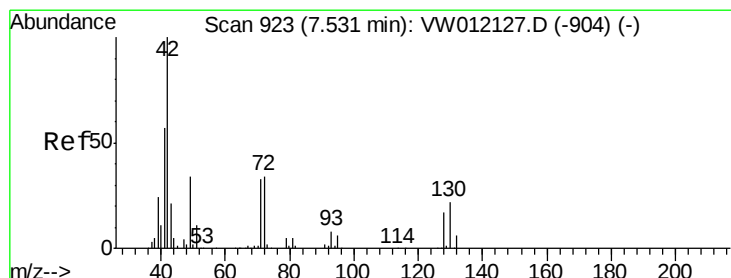
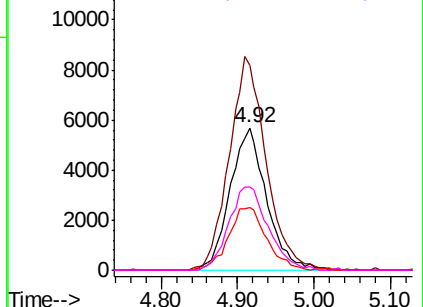
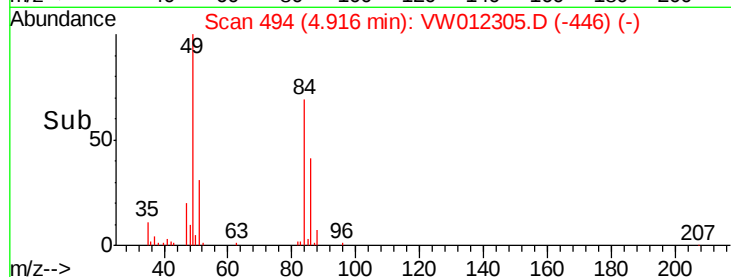


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#29

Tetrahydrofuran

Concen: 9.619 ug/l

RT: 7.54 min Scan# 924

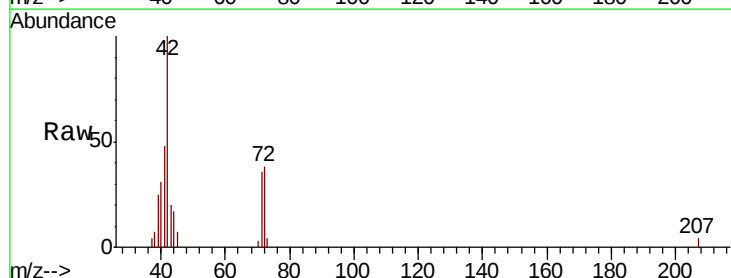
Delta R.T. 0.01 min

Lab File: VW012305.D

Acq: 29 Aug 2019 16:03

Tgt Ion: 42 Resp: 5799

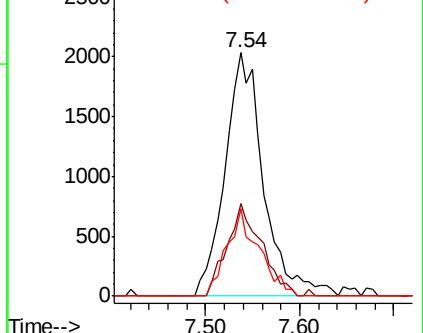
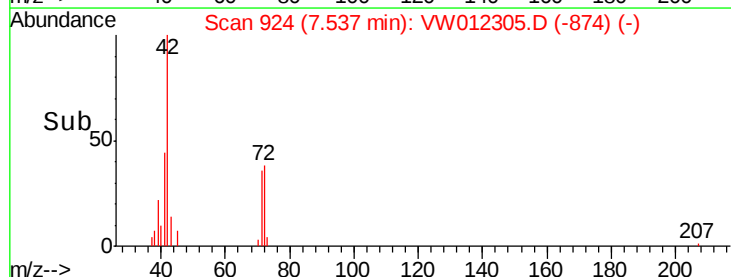
Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.3	40.9
71	29.8	25.5	38.3

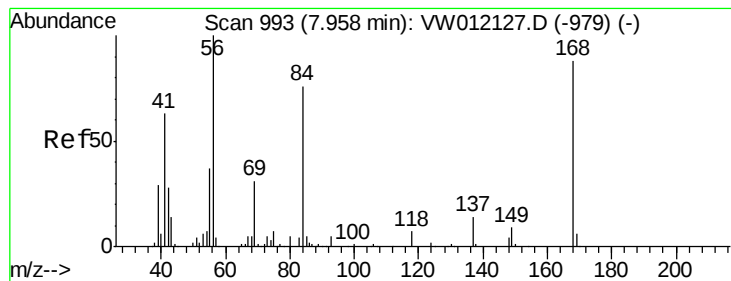


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012305.D

Acq: 29 Aug 2019 16:03

Instrument :

MSVOA_W

ClientSampleId :

RT-3425

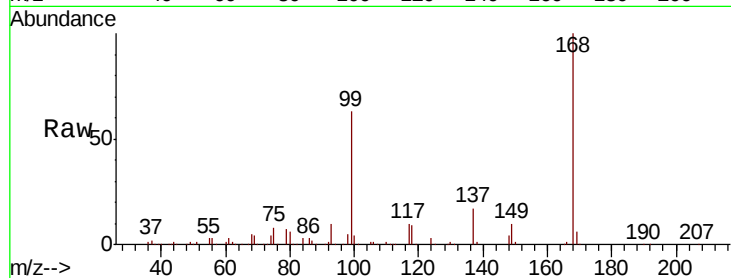
Tgt Ion: 56 Resp: 5984

Ion Ratio Lower Upper

56 100

69 164.6 24.9 37.3#

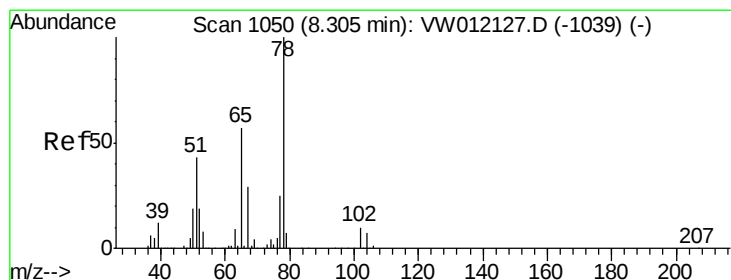
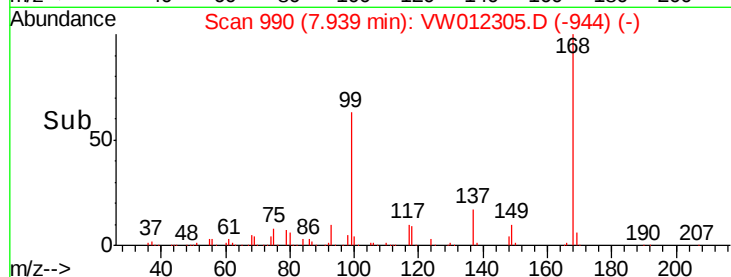
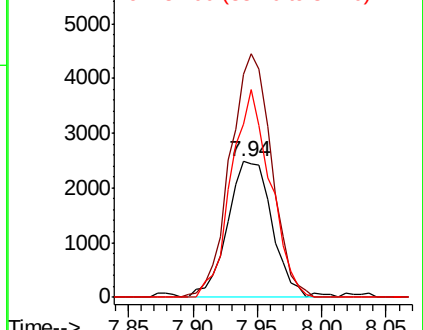
84 127.3 60.6 90.8#



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: 52.479 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012305.D

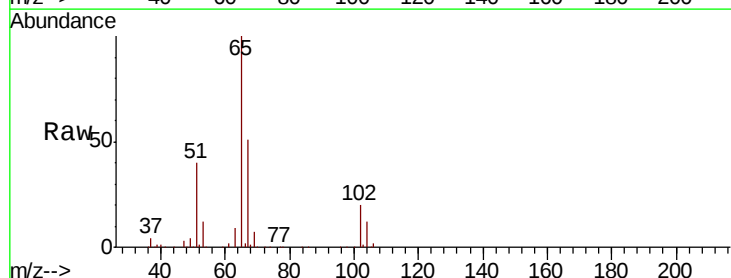
Acq: 29 Aug 2019 16:03

Tgt Ion: 65 Resp: 151818

Ion Ratio Lower Upper

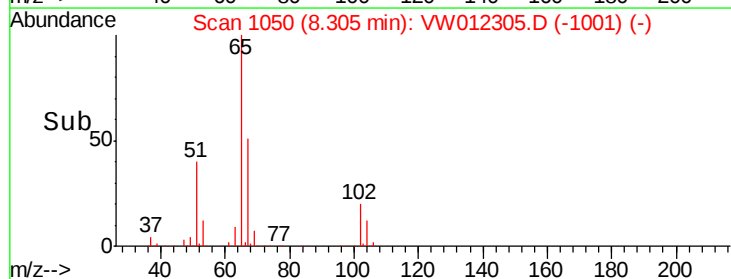
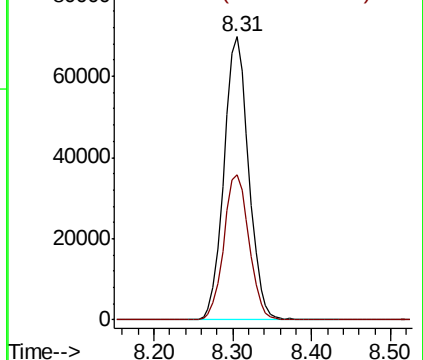
65 100

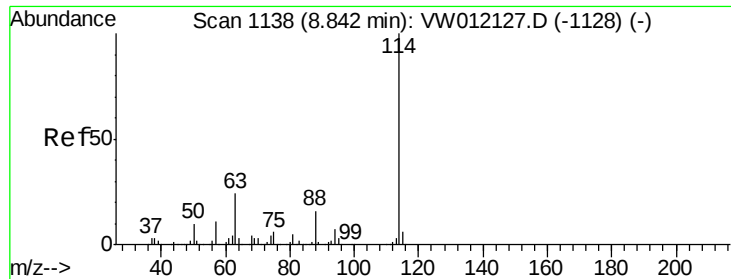
67 52.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

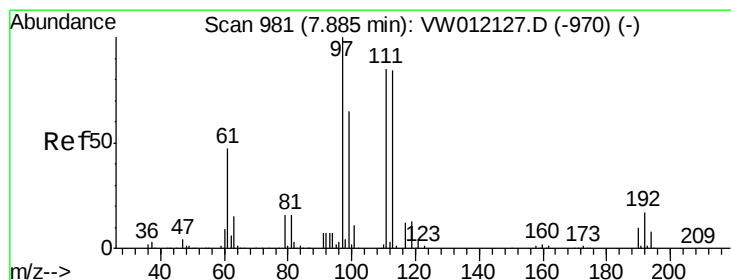
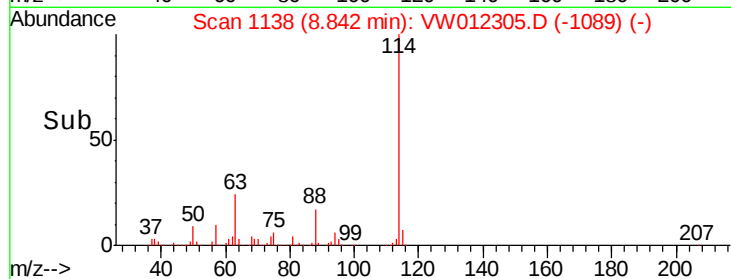
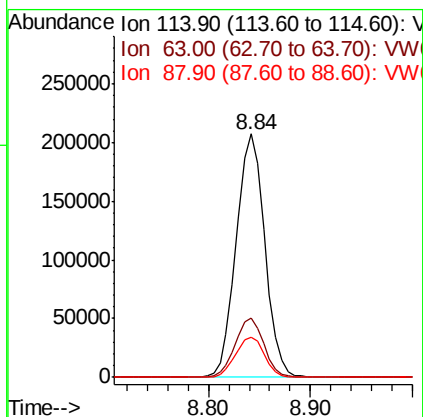
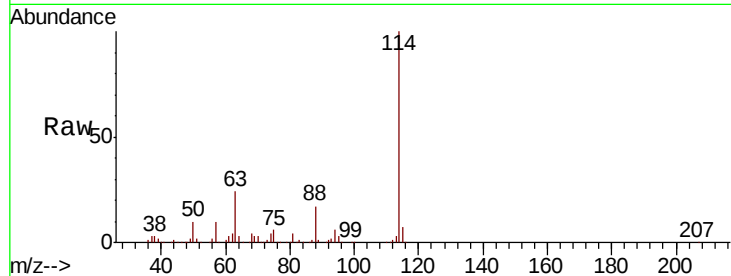




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012305.D
 Acq: 29 Aug 2019 16:03

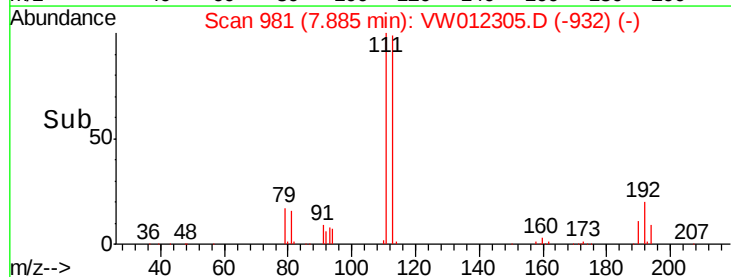
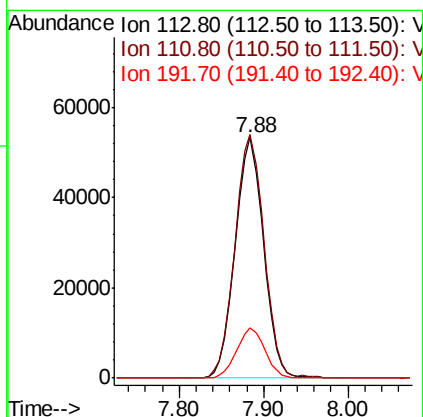
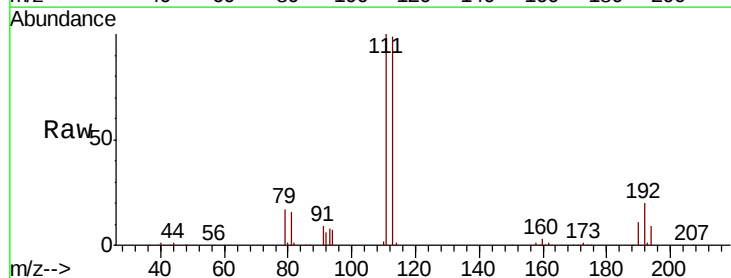
Instrument :
 MSVOA_W
 ClientSampled :
 RT-3425

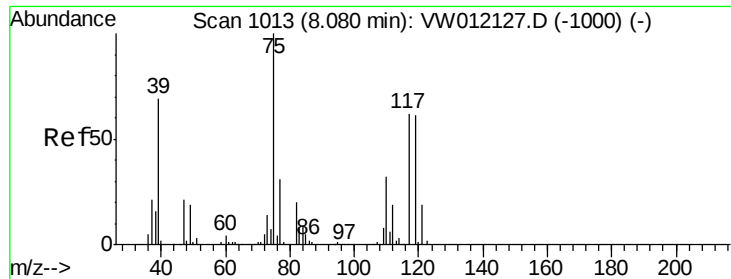
Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	48.6
88	16.5	0.0	32.2



#35
 Dibromofluoromethane
 Concen: 50.511 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012305.D
 Acq: 29 Aug 2019 16:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.7	16.2	24.2

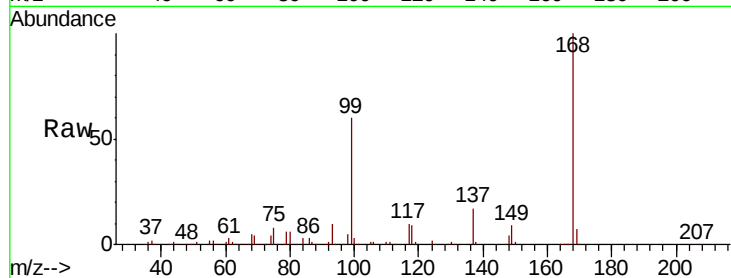




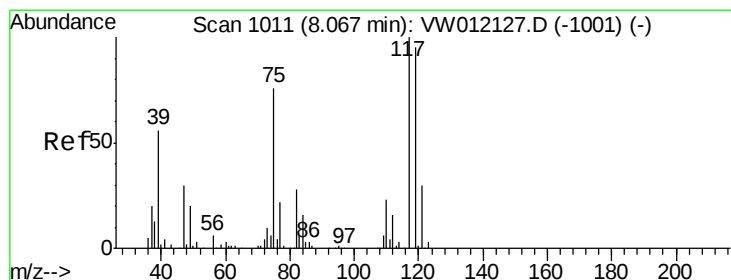
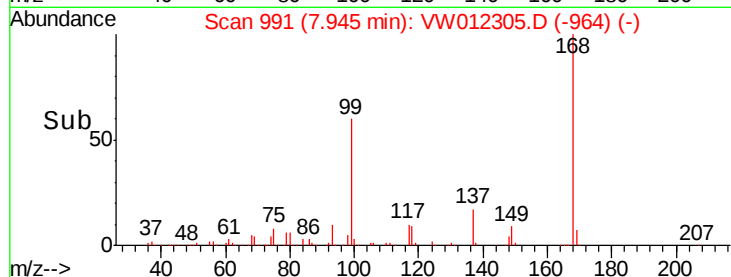
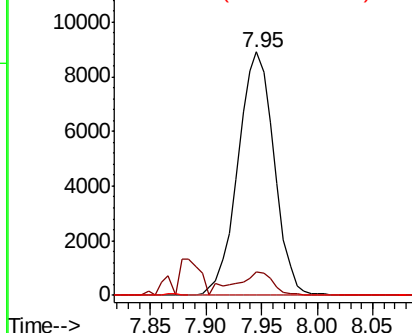
#36
 1,1-Dichloropropene
 Concen: 4.833 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012305.D
 Acq: 29 Aug 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleID :
 RT-3425

Tgt Ion: 75 Resp: 20098
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#

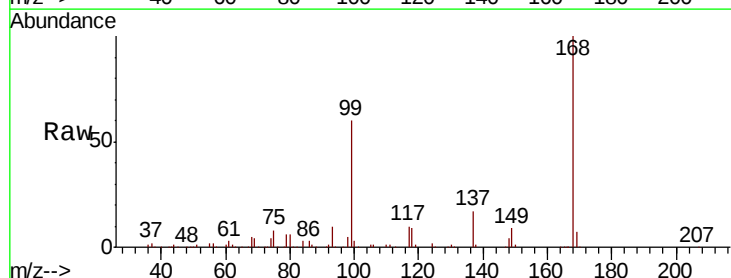


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

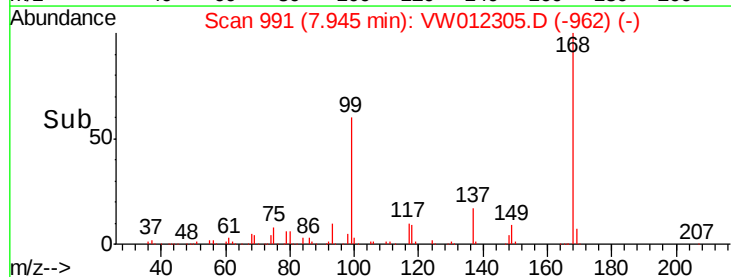
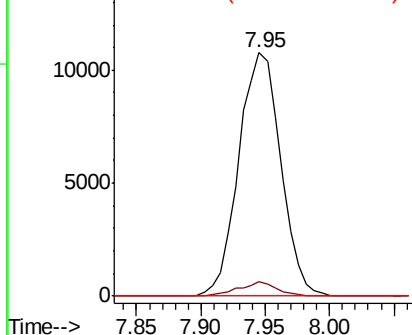


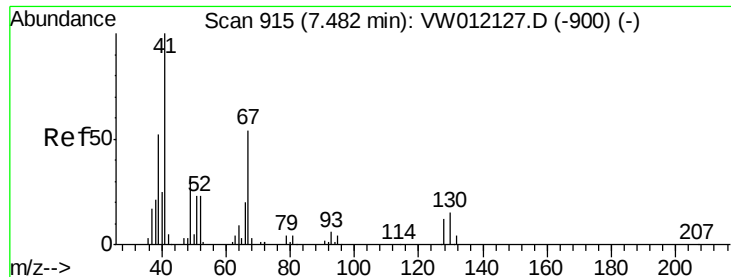
#38
 Carbon Tetrachloride
 Concen: 6.751 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012305.D
 Acq: 29 Aug 2019 16:03

Tgt Ion: 117 Resp: 24300
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.2 114.2#
 121 0.0 23.8 35.8#



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

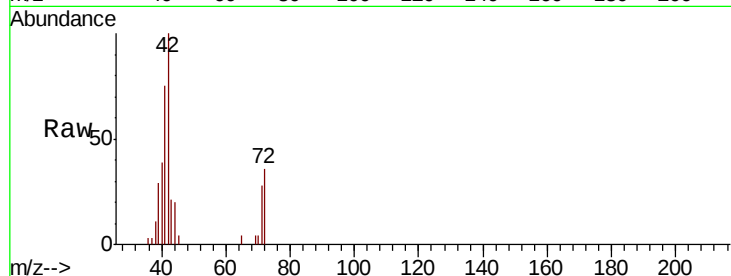




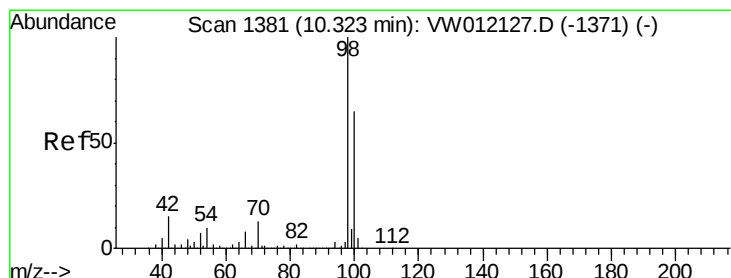
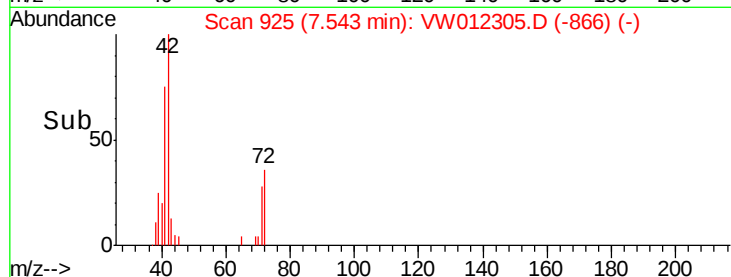
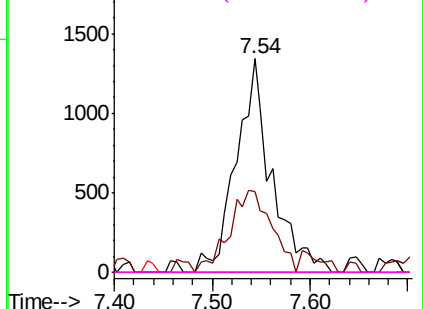
#41
Methacrylonitrile
Concen: 2.520 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.06 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

Instrument :
MSVOA_W
ClientSampled :
RT-3425

Tgt Ion:	41	Resp:	3375
Ion	Ratio	Lower	Upper
41	100		
39	45.9	45.8	68.8
67	0.0	46.2	69.4#
52	0.0	21.0	31.6#

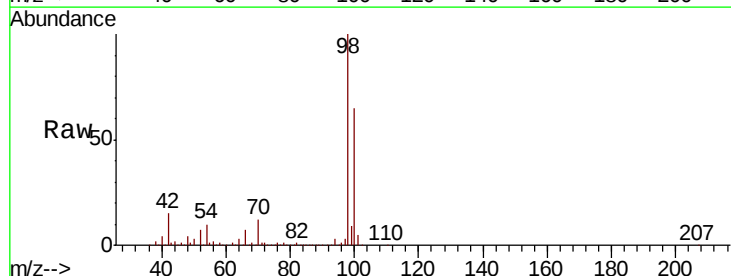


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

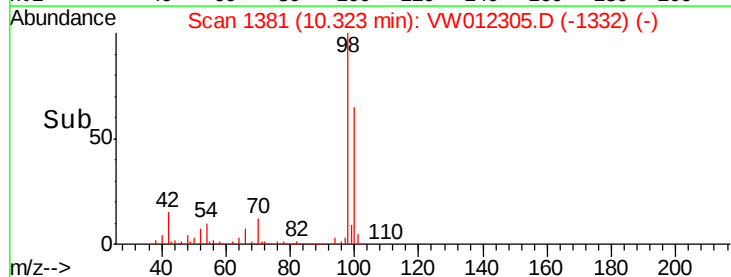
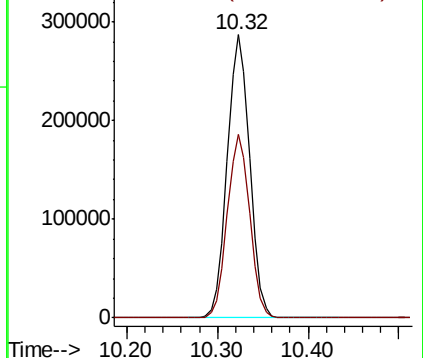


#50
Toluene-d8
Concen: 50.501 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

Tgt Ion:	98	Resp:	491848
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.4	78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

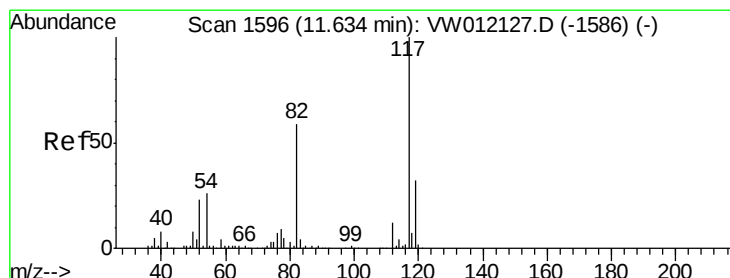
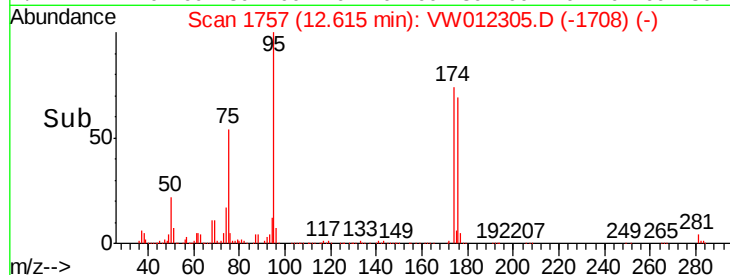
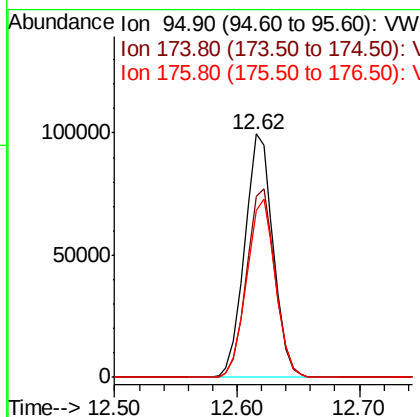
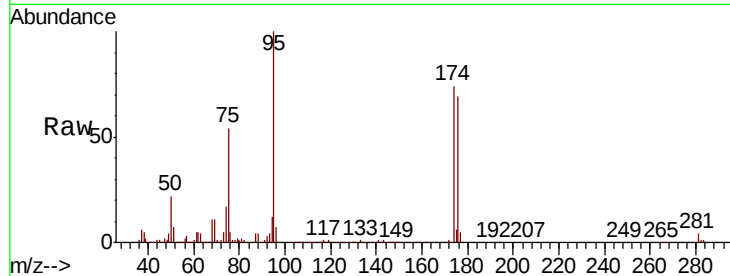




#62
4-Bromofluorobenzene
Concen: 46.899 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

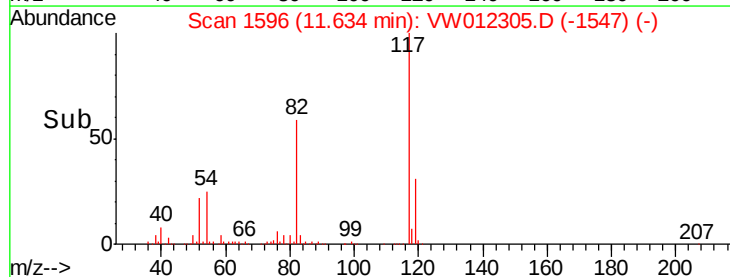
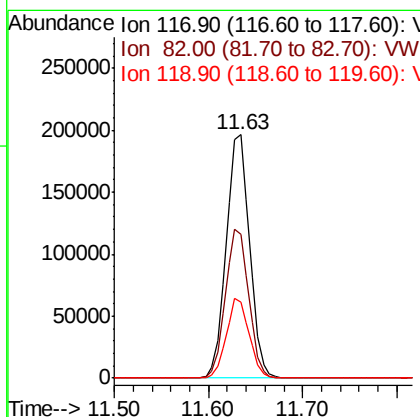
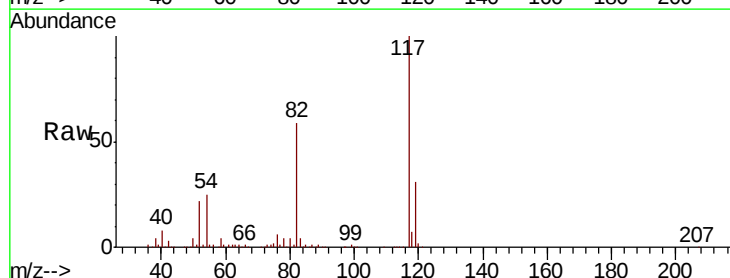
Instrument :
MSVOA_W
ClientSampleId :
RT-3425

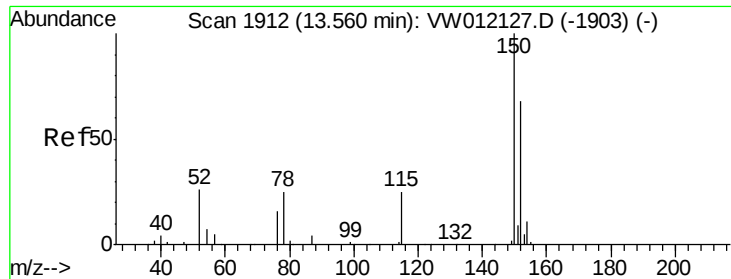
Tgt Ion: 95 Resp: 161010
Ion Ratio Lower Upper
95 100
174 77.6 0.0 150.8
176 74.3 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

Tgt Ion: 117 Resp: 337207
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.4 25.4 38.2



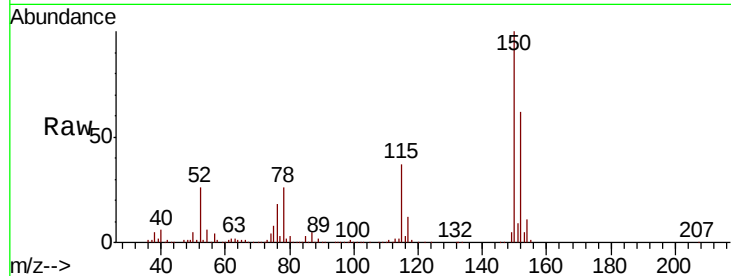


#72

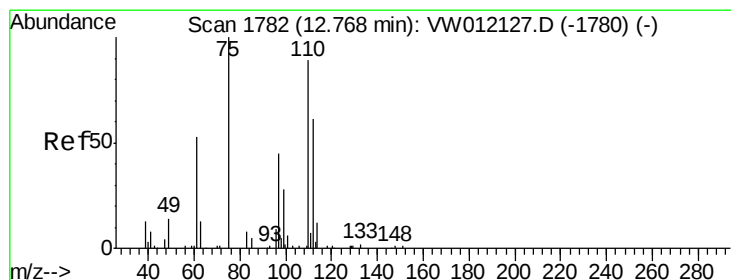
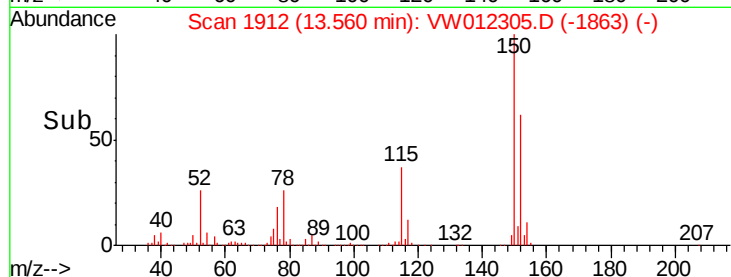
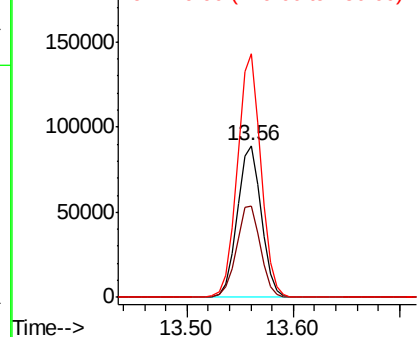
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

Instrument :
MSVOA_W
ClientSampleId :
RT-3425

Tgt Ion:152 Resp: 140431
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.3
150 157.6 0.0 345.8



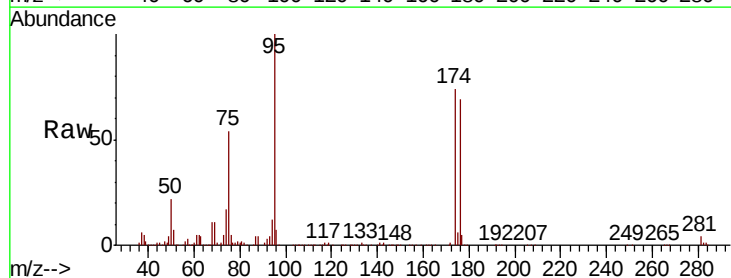
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



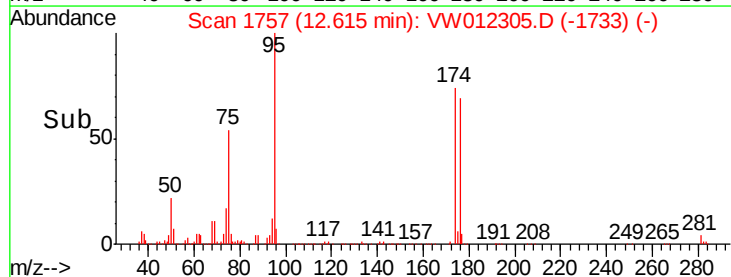
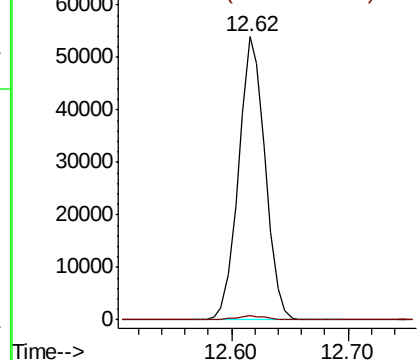
#76

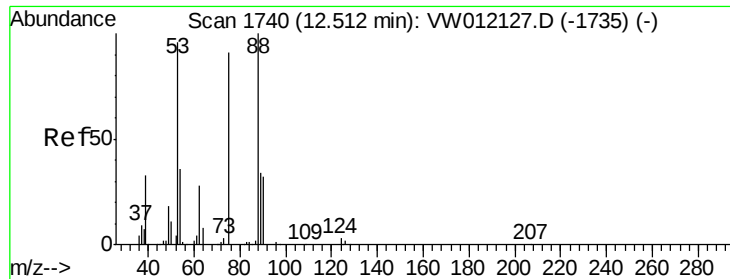
1,2,3-Trichloropropane
Concen: 62.562 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012305.D
Acq: 29 Aug 2019 16:03

Tgt Ion: 75 Resp: 85566
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW

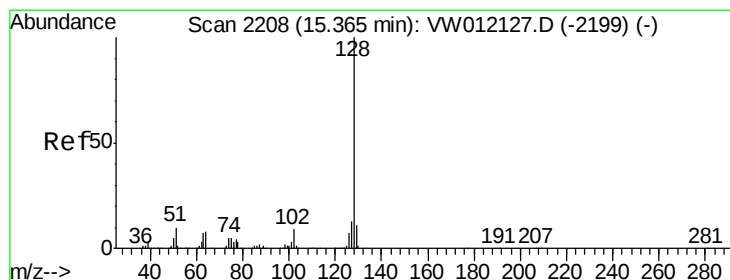
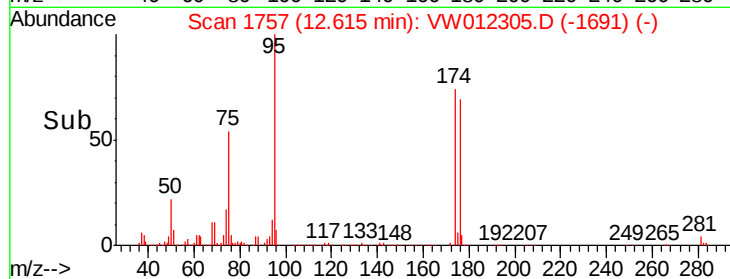
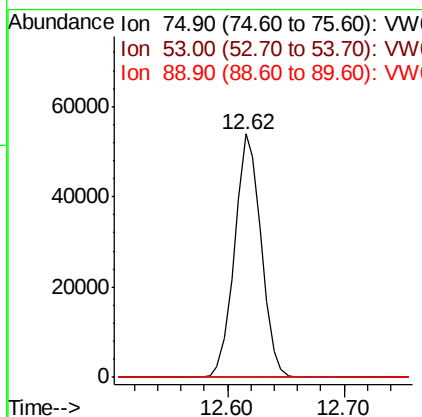
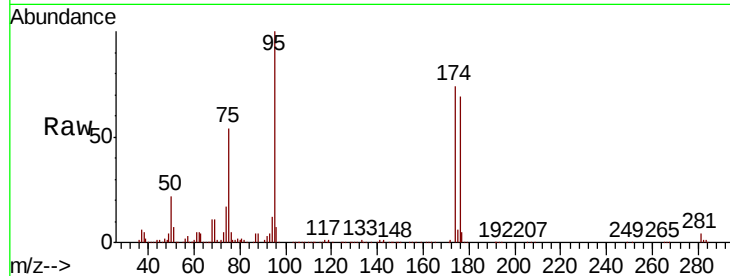




#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.170 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012305.D
 Acq: 29 Aug 2019 16:03

Instrument :
 MSVOA_W
 ClientSampleId :
 RT-3425

Tgt Ion: 75 Resp: 85566
 Ion Ratio Lower Upper
 75 100
 53 0.4 89.4 134.0#
 89 0.0 34.5 51.7#



#95
 Naphthalene
 Concen: 4.466 ug/l
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW012305.D
 Acq: 29 Aug 2019 16:03

Tgt Ion: 128 Resp: 842
 Ion Ratio Lower Upper
 128 100
 127 4.5 10.7 16.1#
 129 9.3 8.7 13.1

