

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012235.D
 Acq On : 28 Aug 2019 05:25
 Operator : SY/VA
 Sample : K4472-07
 Misc : 4.12G/5ML/MSVOA_W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S4(0)

Quant Time: Aug 28 07:28:22 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	292653	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	484094	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	180399	51.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.70%	
35) Dibromofluoromethane	7.88	113	146079	50.55	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.10%	
50) Toluene-d8	10.32	98	592520	50.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.62	95	173927	42.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.22%	

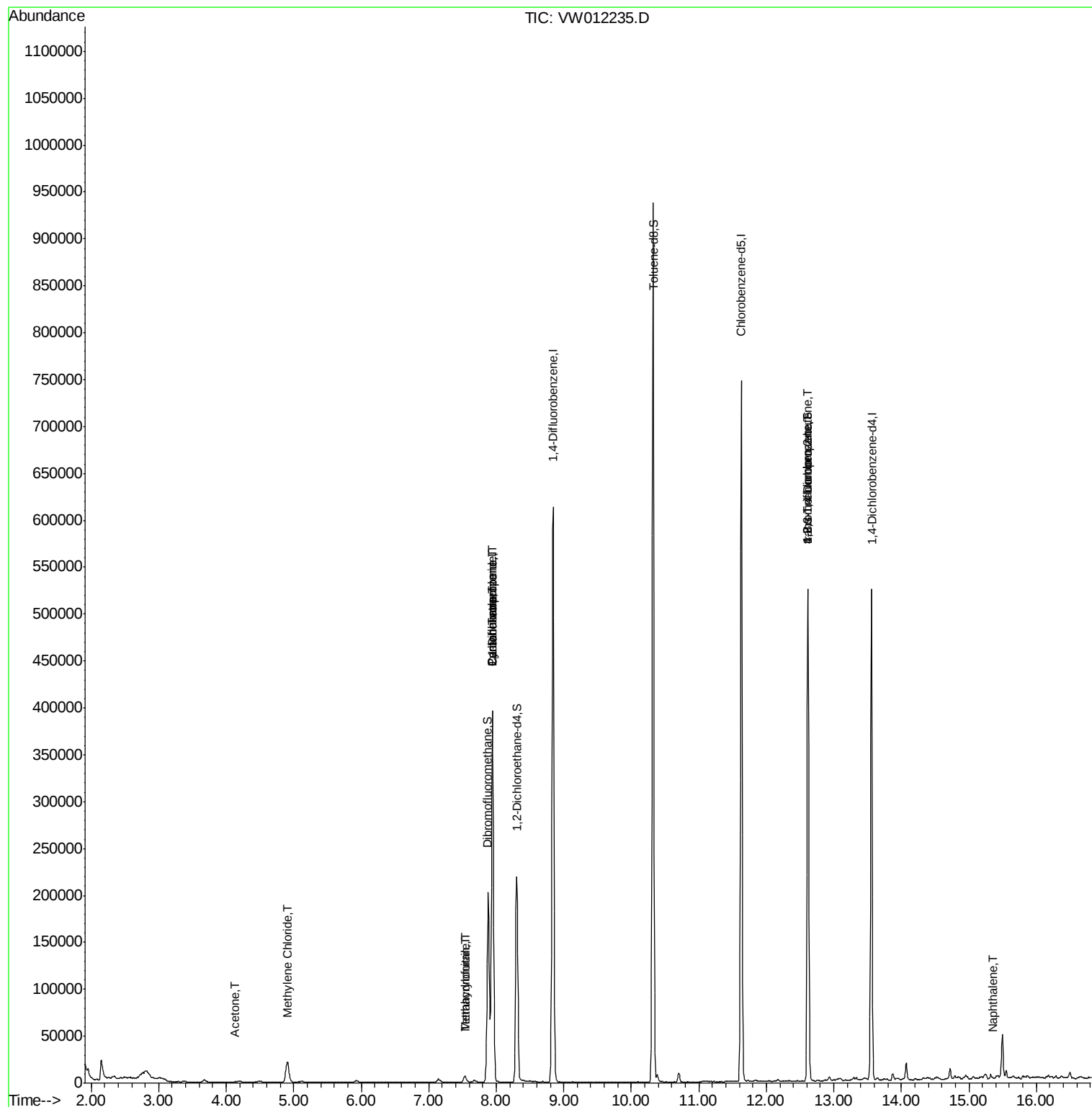
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.14	43	1115	1.254	ug/l #	59
20) Methylene Chloride	4.90	84	15277	4.544	ug/l	94
29) Tetrahydrofuran	7.54	42	6087	8.396	ug/l	98
31) Cyclohexane	7.94	56	6853	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	24859	4.969	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29630	6.843	ug/l #	16
41) Methacrylonitrile	7.54	41	3670	2.278	ug/l #	54
76) 1,2,3-Trichloropropane	12.62	75	92401	71.069	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	92401	155.822	ug/l #	6
95) Naphthalene	15.36	128	599	4.430	ug/l #	83

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
Data File : VW012235.D
Acq On : 28 Aug 2019 05:25
Operator : SY/VA
Sample : K4472-07
Misc : 4.12G/5ML/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-S4(0)

Quant Time: Aug 28 07:28:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
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: VW012235.D

Acq: 28 Aug 2019 05:25

Instrument :

MSVOA_W

ClientSampleId :

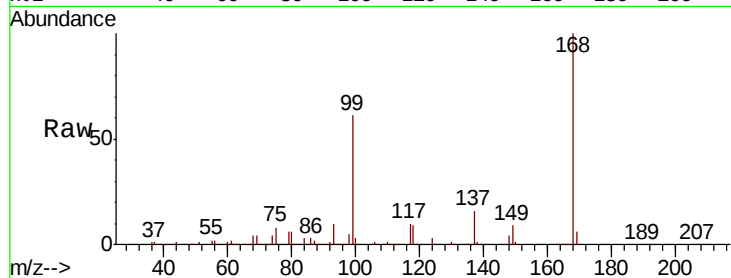
T1-S4(0)

Tgt Ion:168 Resp: 292653

Ion Ratio Lower Upper

168 100

99 60.6 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

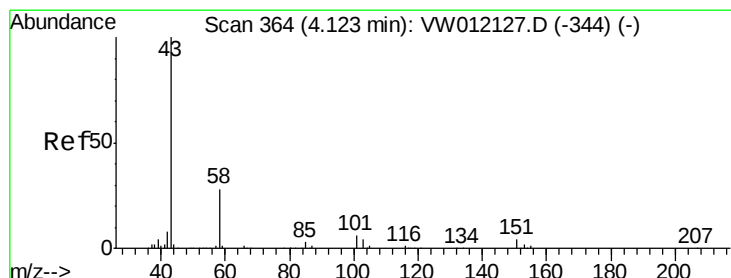
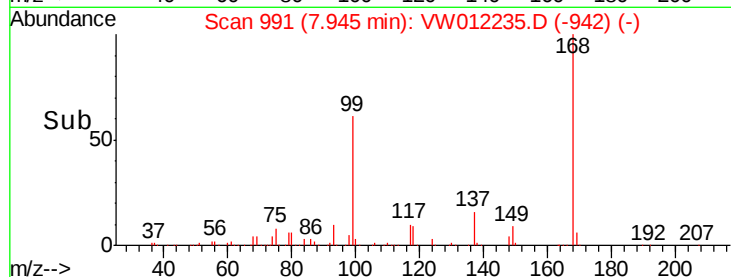
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 1.254 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012235.D

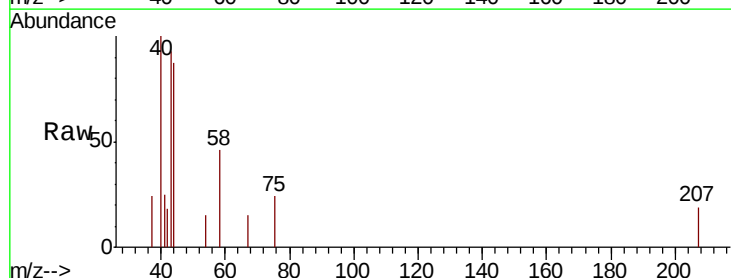
Acq: 28 Aug 2019 05:25

Tgt Ion: 43 Resp: 1115

Ion Ratio Lower Upper

43 100

58 49.7 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

400

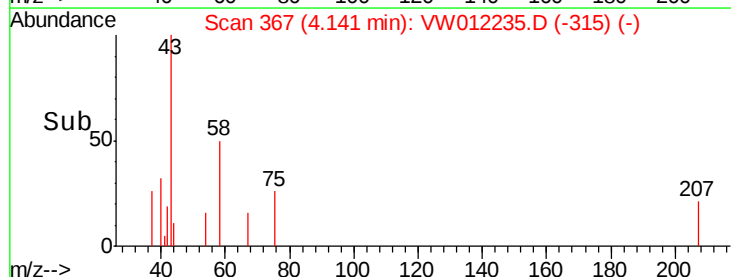
300

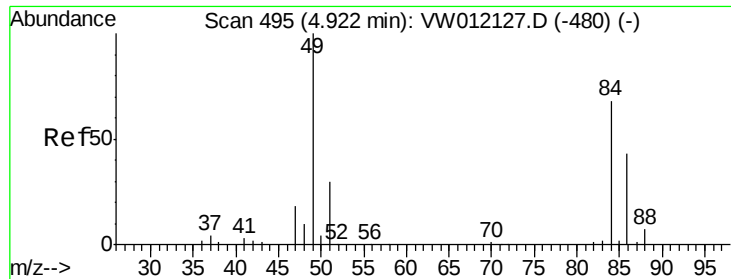
200

100

0

Time--> 4.05 4.10 4.15 4.20

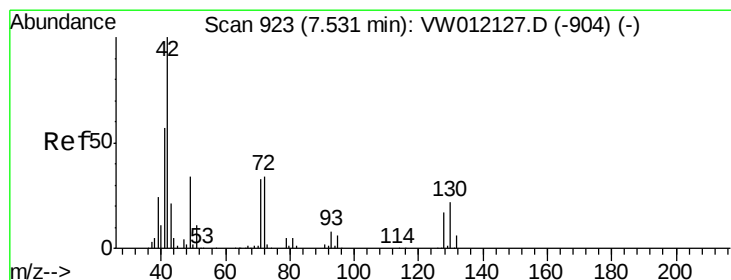
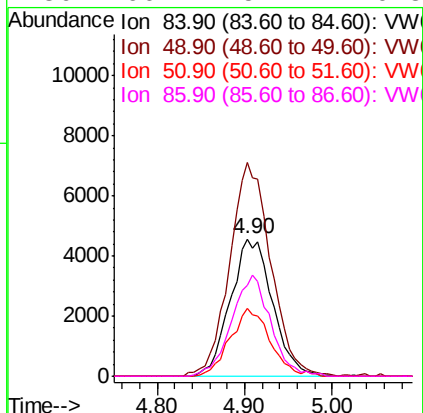
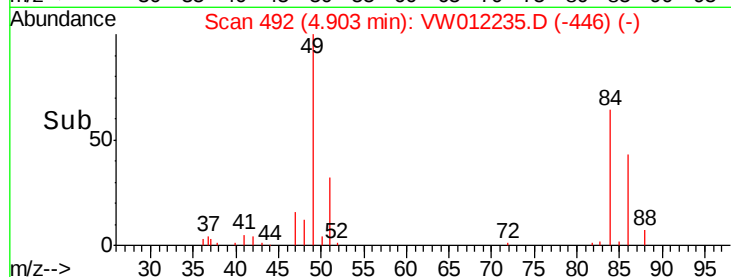
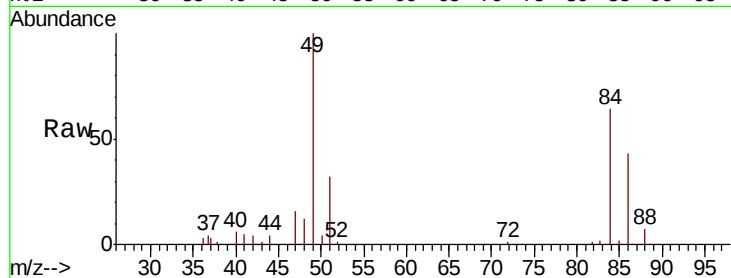




#20
Methylene Chloride
Concen: 4.544 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012235.D
Acq: 28 Aug 2019 05:25

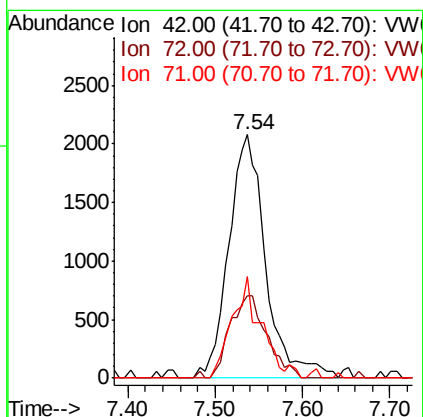
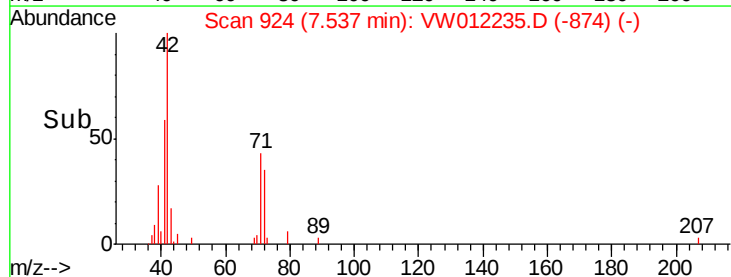
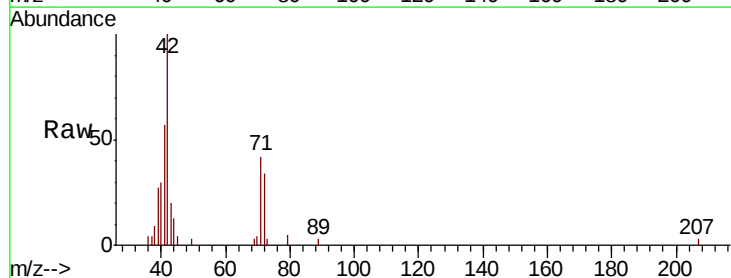
Instrument :
MSVOA_W
ClientSampleId :
T1-S4(0)

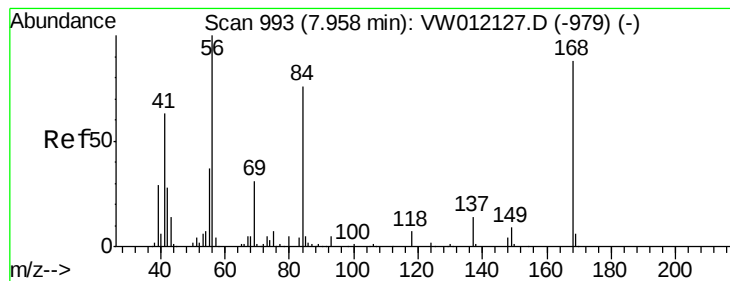
Tgt Ion:	84	Resp:	15277
Ion	Ratio	Lower	Upper
84	100		
49	155.4	117.8	176.8
51	49.1	35.6	53.4
86	66.4	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.396 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012235.D
Acq: 28 Aug 2019 05:25

Tgt Ion:	42	Resp:	6087
Ion	Ratio	Lower	Upper
42	100		
72	33.5	27.3	40.9
71	33.2	25.5	38.3





#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.02 min

Lab File: VW012235.D

Acq: 28 Aug 2019 05:25

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(0)

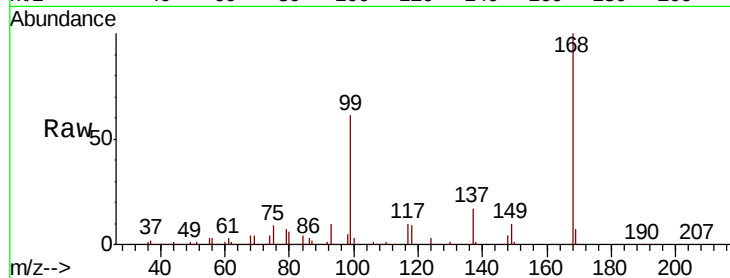
Tgt Ion: 56 Resp: 6853

Ion Ratio Lower Upper

56 100

69 159.2 24.9 37.3#

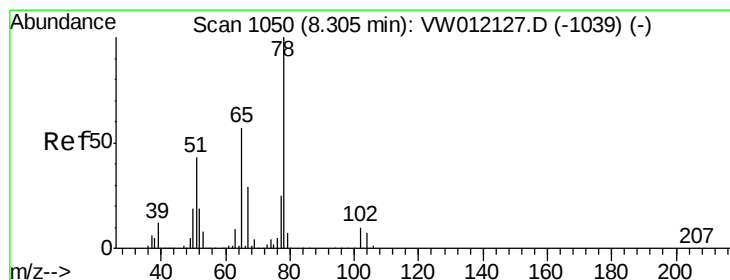
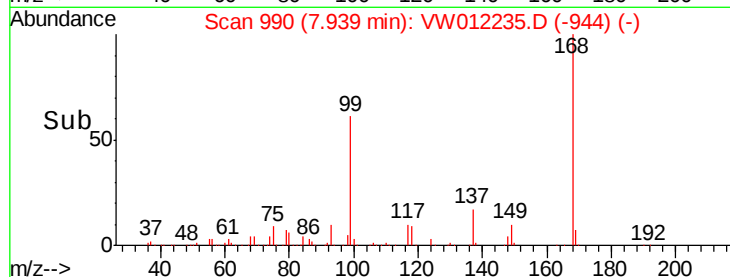
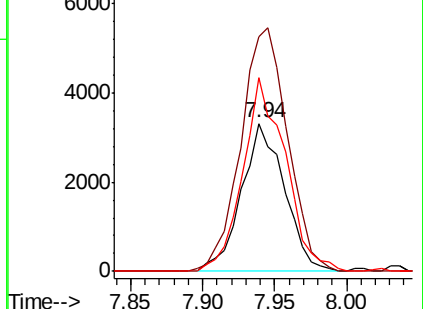
84 136.8 60.6 90.8#



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: 51.855 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012235.D

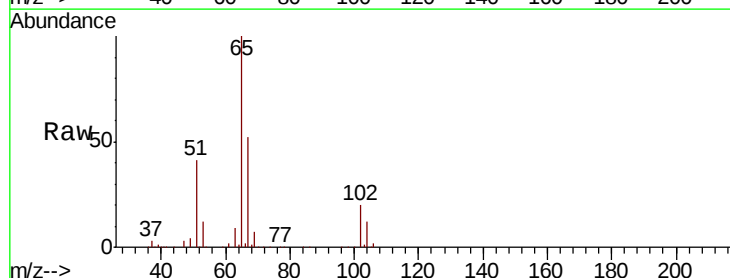
Acq: 28 Aug 2019 05:25

Tgt Ion: 65 Resp: 180399

Ion Ratio Lower Upper

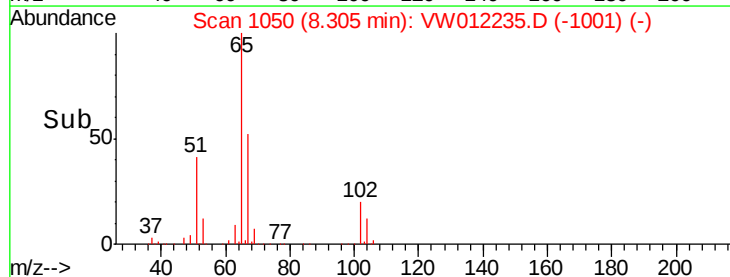
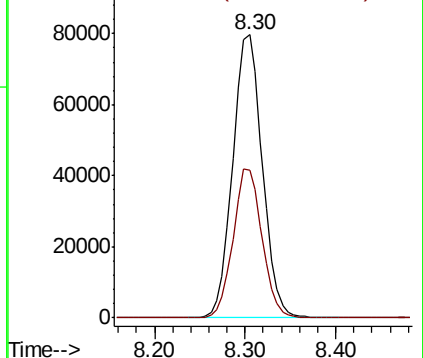
65 100

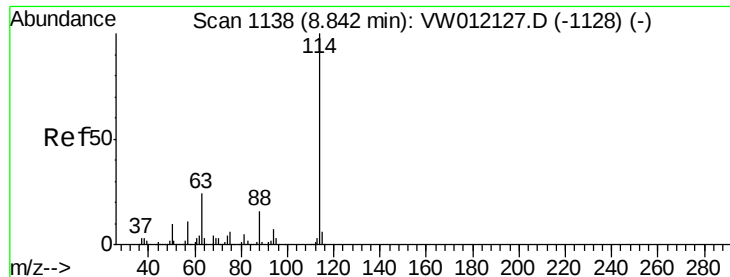
67 51.6 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

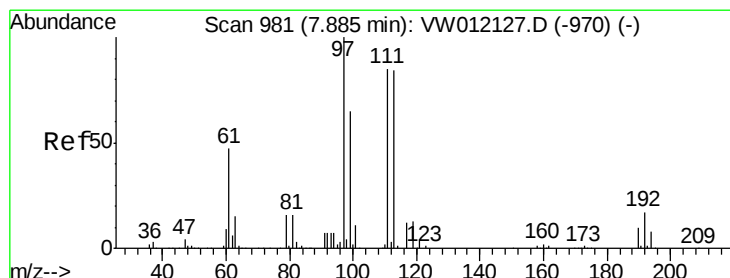
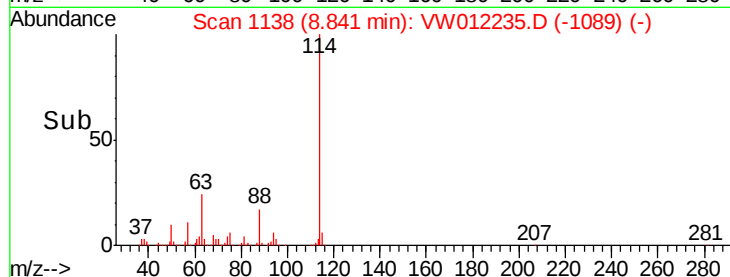
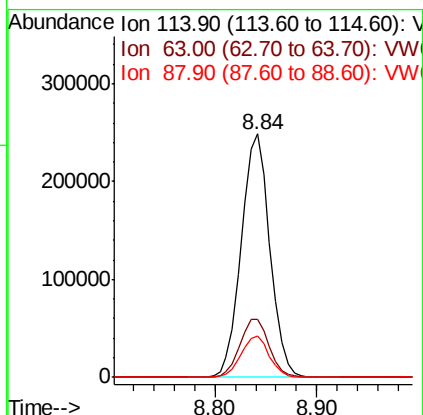
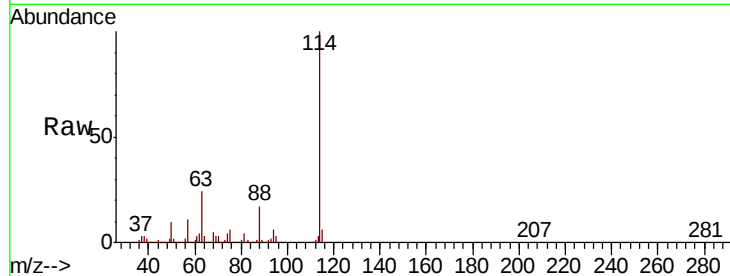




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012235.D
 Acq: 28 Aug 2019 05:25

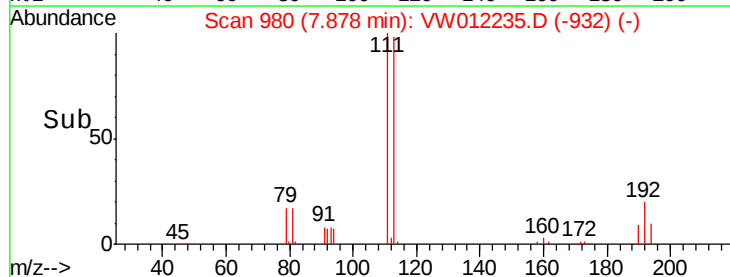
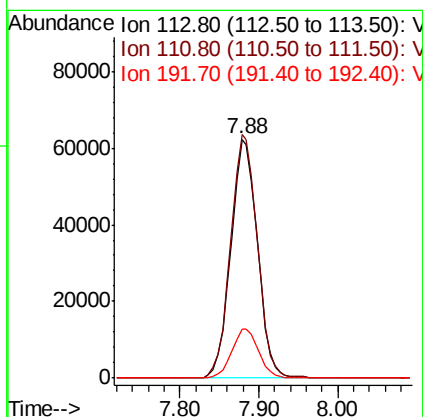
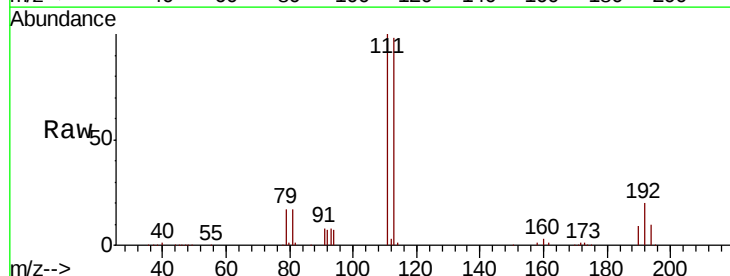
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S4(0)

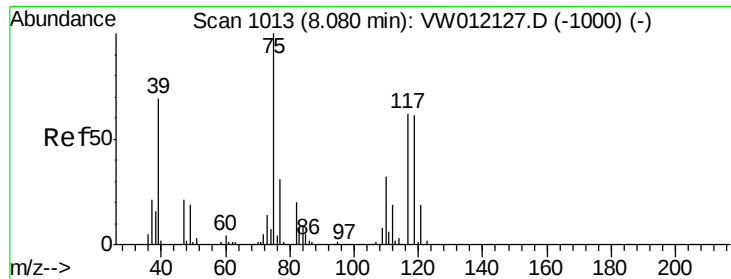
Tgt Ion:114 Resp: 484094
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 48.6
 88 17.0 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 50.554 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012235.D
 Acq: 28 Aug 2019 05:25

Tgt Ion:113 Resp: 146079
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.7 16.2 24.2

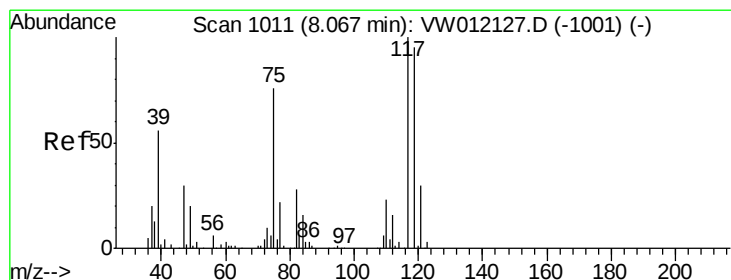
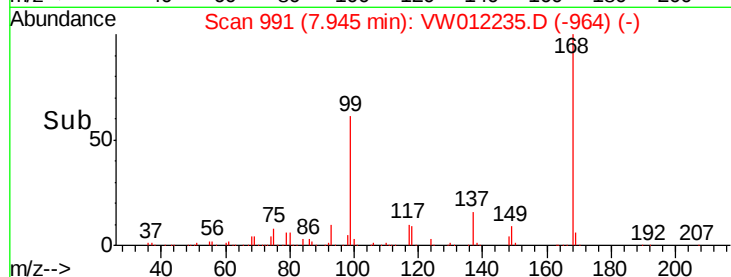
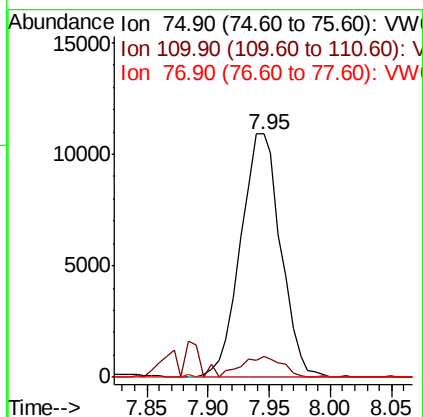
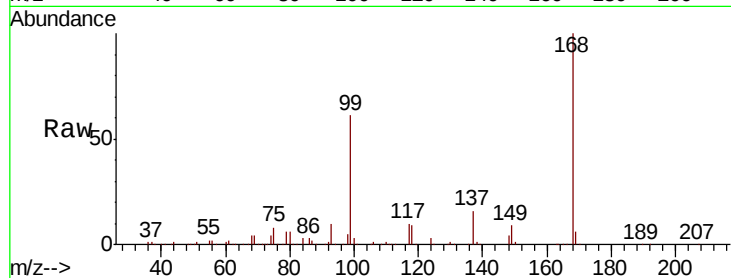




#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012235.D
 Acq: 28 Aug 2019 05:25

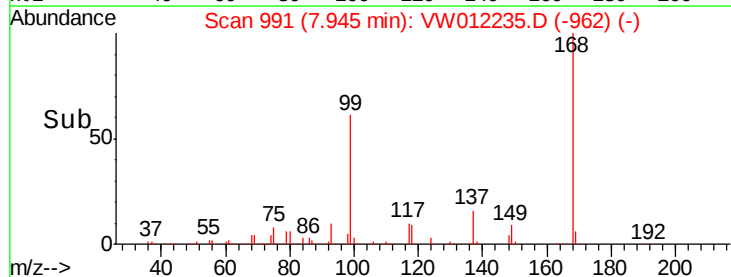
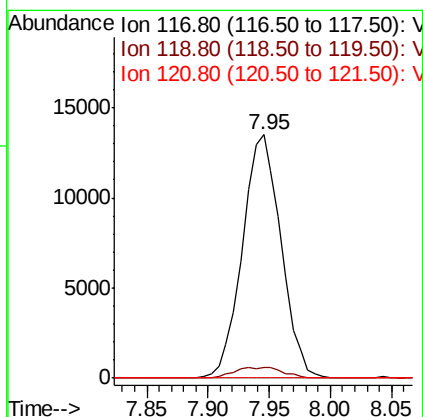
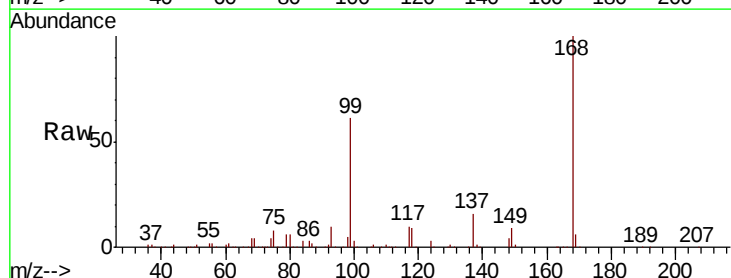
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-S4(0)

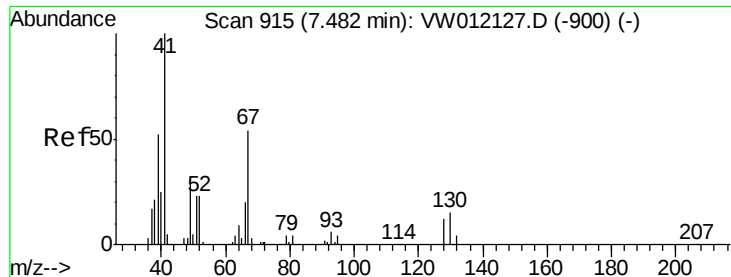
Tgt Ion: 75 Resp: 24859
 Ion Ratio Lower Upper
 75 100
 110 8.8 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.843 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012235.D
 Acq: 28 Aug 2019 05:25

Tgt Ion: 117 Resp: 29630
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.2 114.2#
 121 0.0 23.8 35.8#





#41

Methacrylonitrile

Concen: 2.278 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.05 min

Lab File: VW012235.D

Acq: 28 Aug 2019 05:25

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(0)

Tgt Ion: 41 Resp: 3670

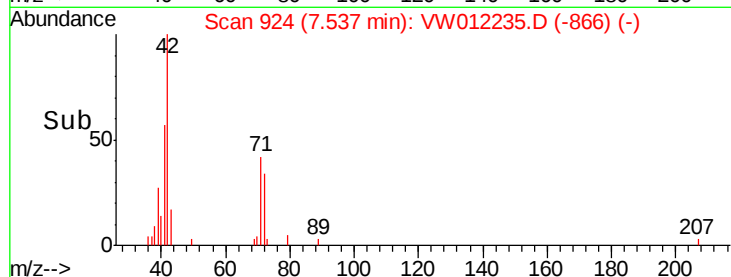
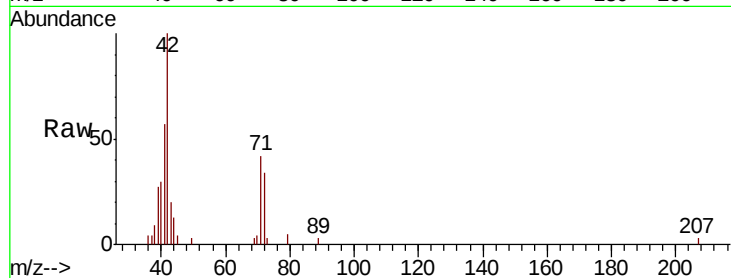
Ion Ratio Lower Upper

41 100

39 47.6 45.8 68.8

67 0.0 46.2 69.4#

52 0.6 21.0 31.6#

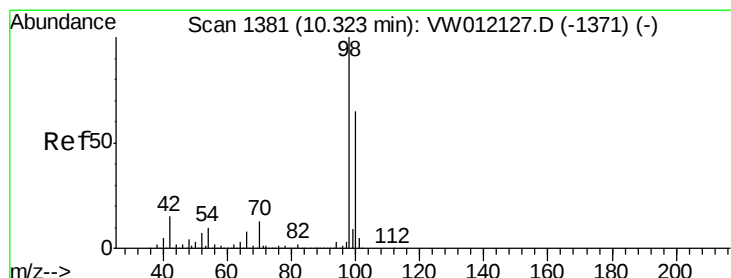
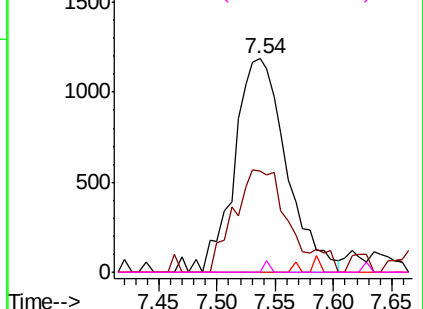


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 50.572 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012235.D

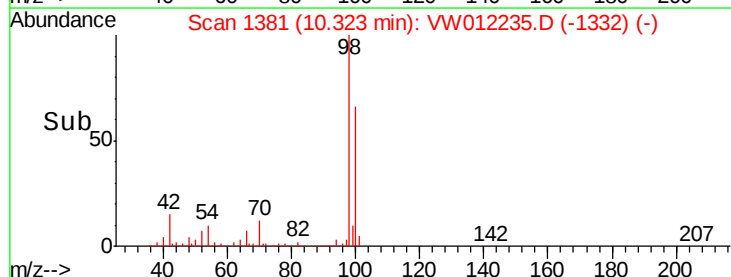
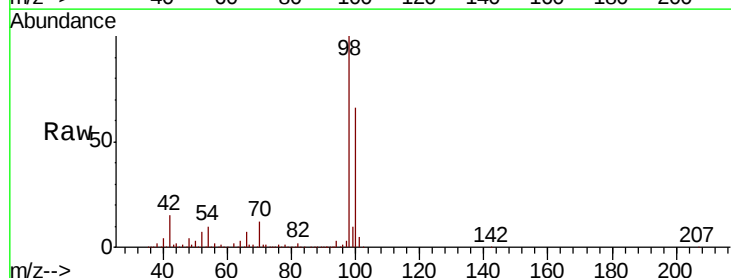
Acq: 28 Aug 2019 05:25

Tgt Ion: 98 Resp: 592520

Ion Ratio Lower Upper

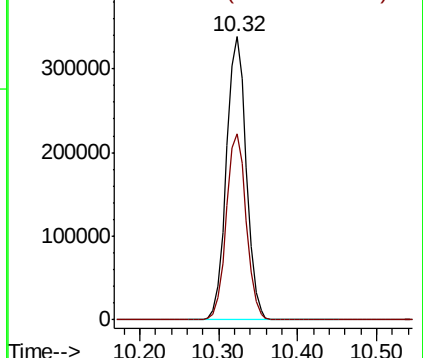
98 100

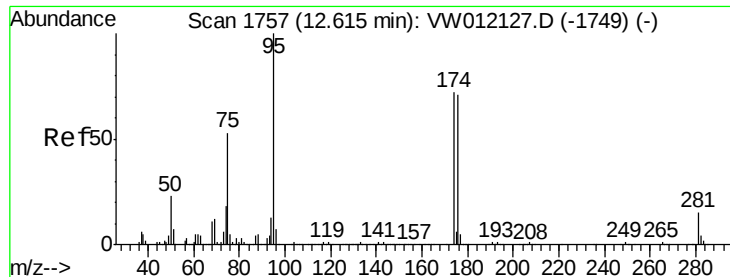
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

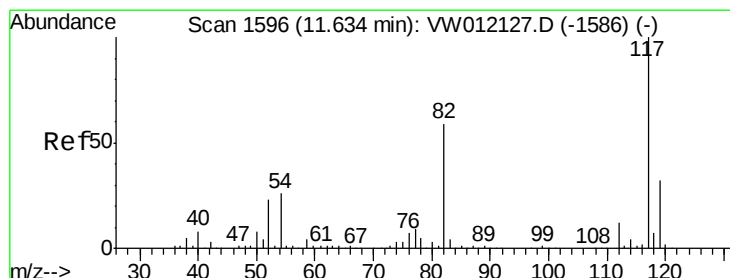
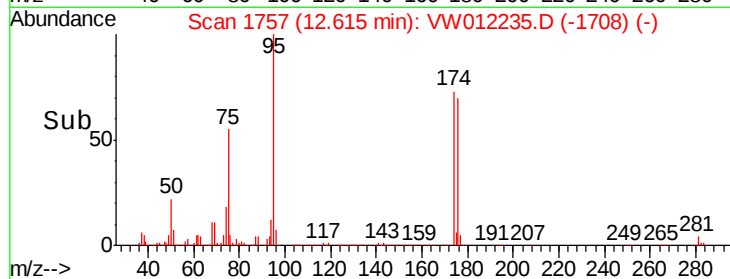
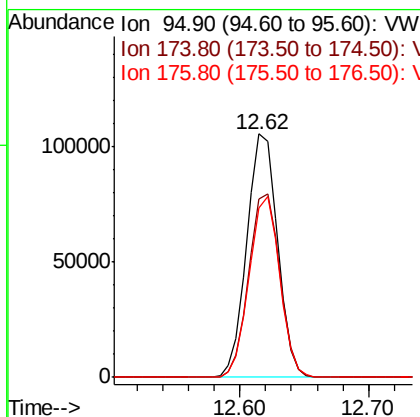
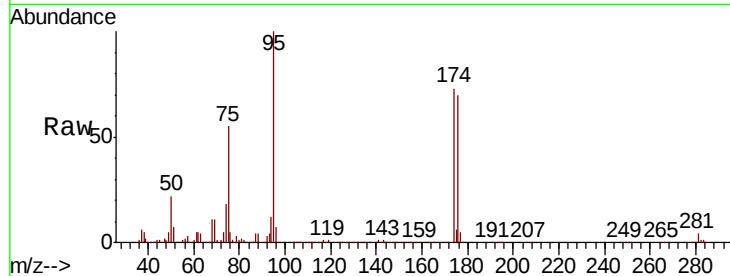




#62
4-Bromofluorobenzene
Concen: 42.113 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012235.D
Acq: 28 Aug 2019 05:25

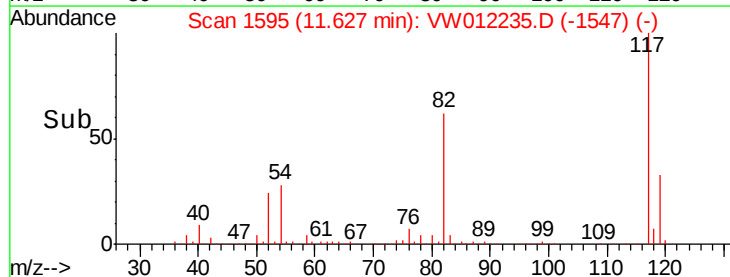
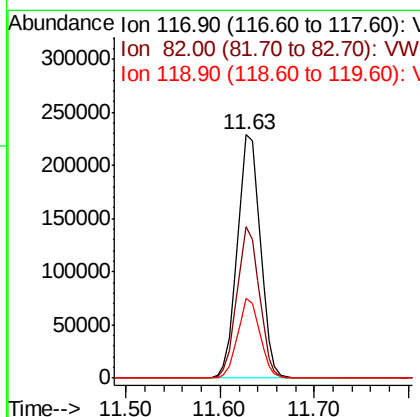
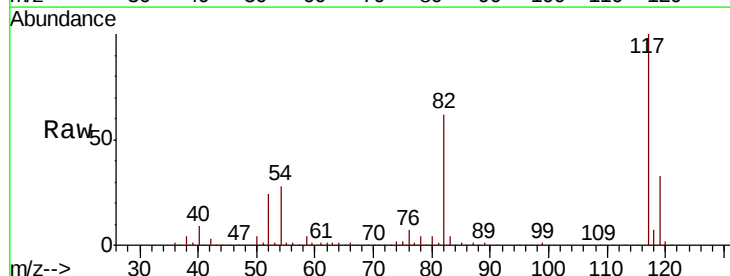
Instrument :
MSVOA_W
ClientSampleId :
T1-S4(0)

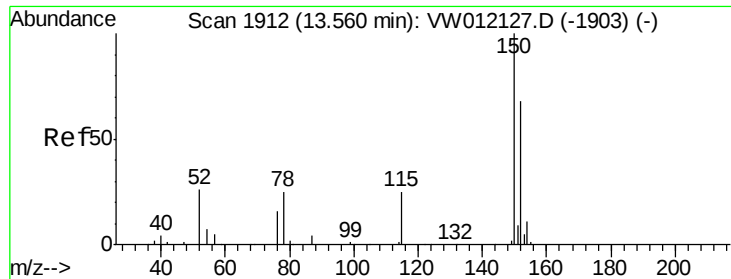
Tgt Ion: 95 Resp: 173927
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.8
176 73.5 0.0 148.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012235.D
Acq: 28 Aug 2019 05:25

Tgt Ion: 117 Resp: 390317
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
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: VW012235.D

Acq: 28 Aug 2019 05:25

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(0)

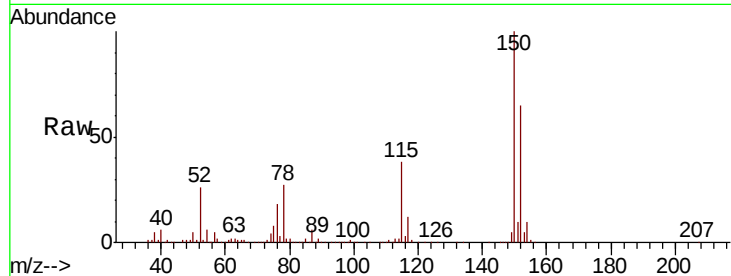
Tgt Ion:152 Resp: 133496

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

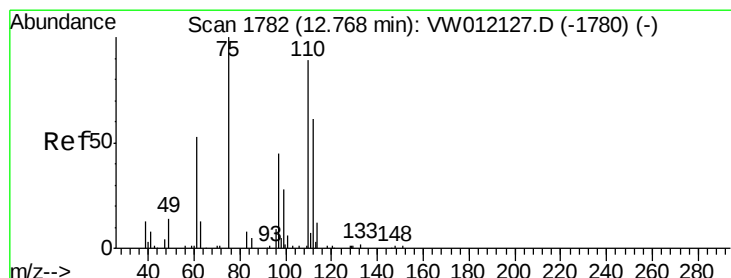
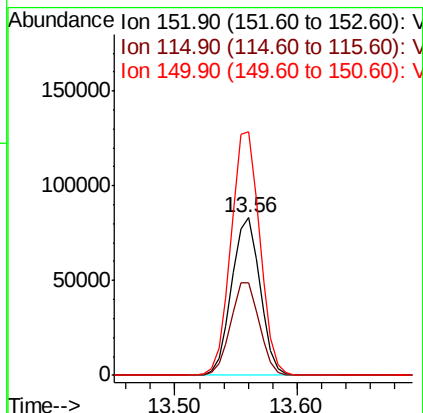
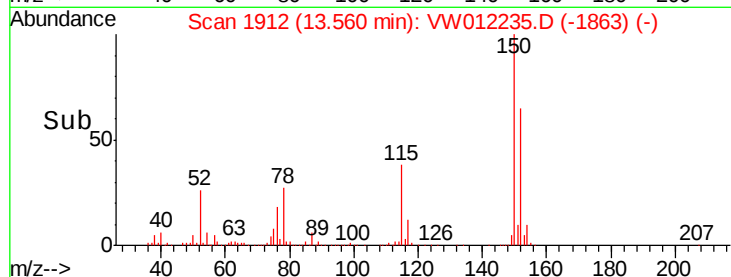
150 156.4 0.0 345.8



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: 71.069 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012235.D

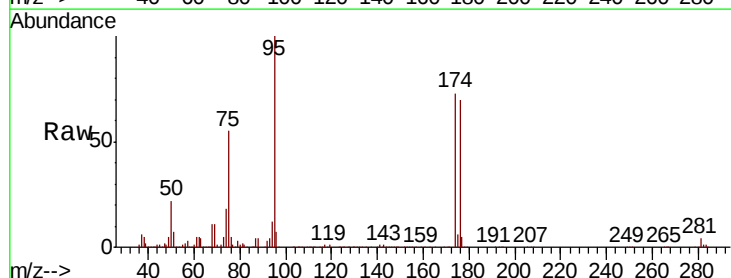
Acq: 28 Aug 2019 05:25

Tgt Ion: 75 Resp: 92401

Ion Ratio Lower Upper

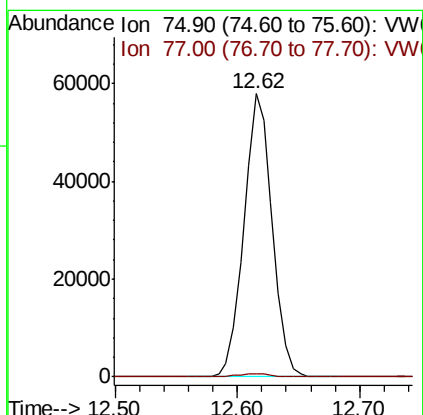
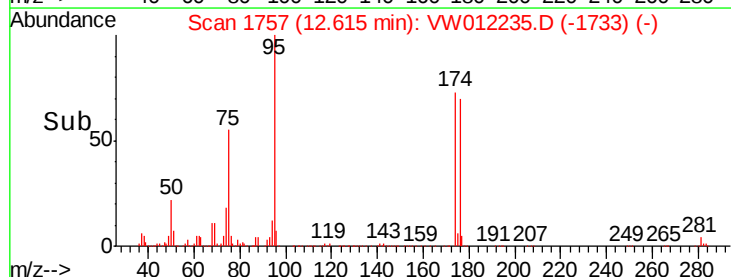
75 100

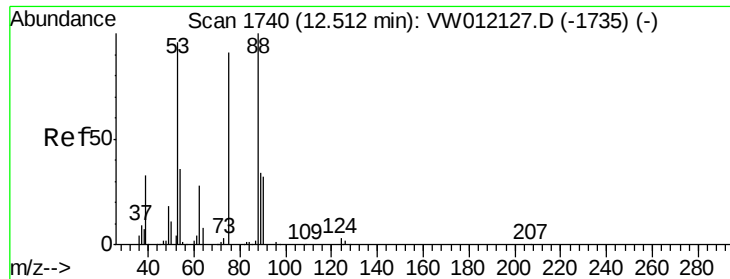
77 1.5 0.0 0.0#



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: 155.822 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012235.D

Acq: 28 Aug 2019 05:25

Instrument :

MSVOA_W

ClientSampleId :

T1-S4(0)

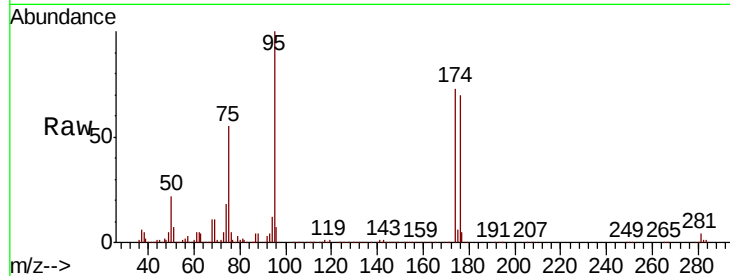
Tgt Ion: 75 Resp: 92401

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

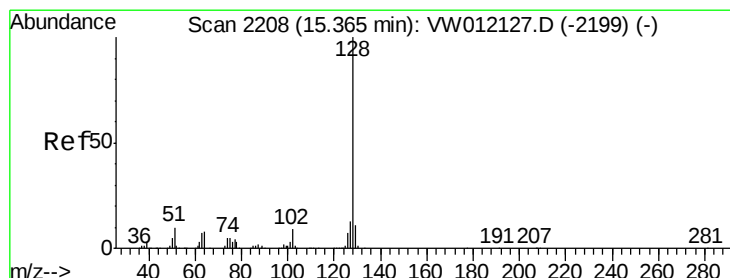
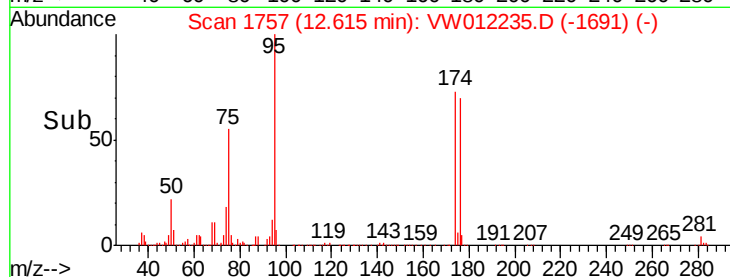
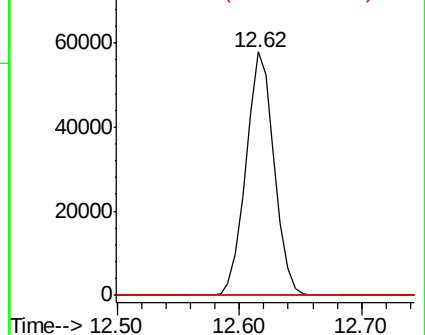
89 0.1 34.5 51.7#



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



#95

Naphthalene

Concen: 4.430 ug/l

RT: 15.36 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VW012235.D

Acq: 28 Aug 2019 05:25

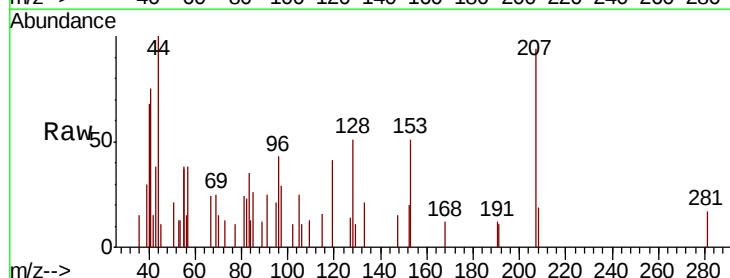
Tgt Ion: 128 Resp: 599

Ion Ratio Lower Upper

128 100

127 7.7 10.7 16.1#

129 3.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

