

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090419\
 Data File : VX012086.D
 Acq On : 05 Sep 2019 08:01
 Operator : SY/SP
 Sample : K4548-04
 Misc : 6.05µ/5.0mL/MSVOA X/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T8-S-G1-(2.5)

Quant Time: Sep 05 08:44:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	154677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99624	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	104002	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
35) Dibromofluoromethane	5.48	113	78402	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
50) Toluene-d8	8.71	98	318153	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.14	95	125968	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	

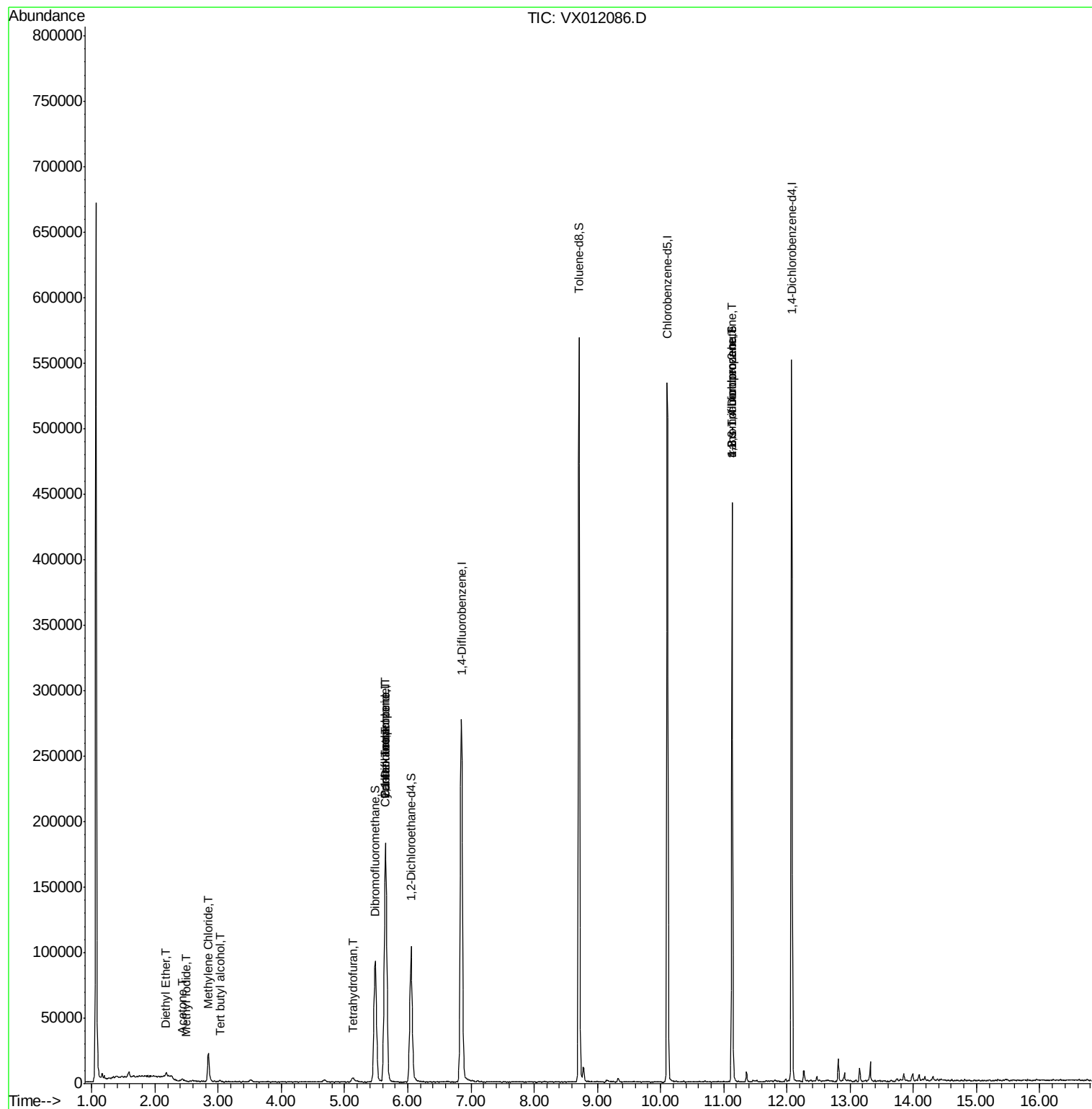
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	998	1.353	ug/l	90
10) Methyl Iodide	2.50	142	40	7.010	ug/l #	40
11) Tert butyl alcohol	3.02	59	866	4.225	ug/l #	94
13) Acrolein	2.28	56	41	Below Cal	#	1
16) Acetone	2.43	43	1380	2.705	ug/l	97
20) Methylene Chloride	2.84	84	10489	5.120	ug/l	95
29) Tetrahydrofuran	5.14	42	3583	9.158	ug/l	95
31) Cyclohexane	5.64	56	3824	1.461	ug/l #	24
36) 1,1-Dichloropropene	5.64	75	14244	6.003	ug/l #	48
38) Carbon Tetrachloride	5.65	117	17839	7.135	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	64802	53.236	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	64802	125.859	ug/l #	10

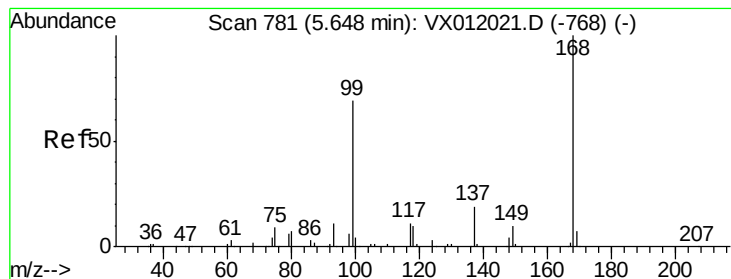
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012086.D

Acq: 05 Sep 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

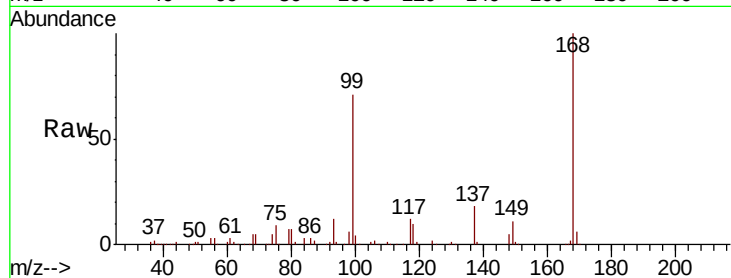
T8-S-G1-(2.5)

Tot Ion:168 Resp: 154677

Ion Ratio Lower Upper

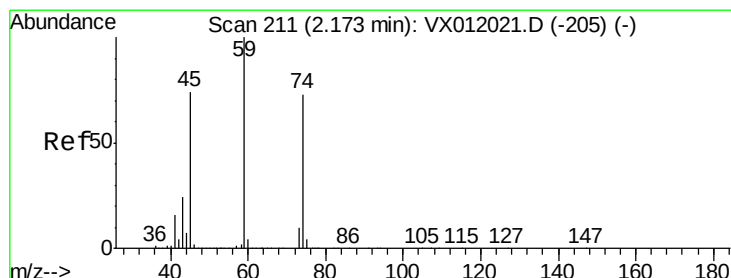
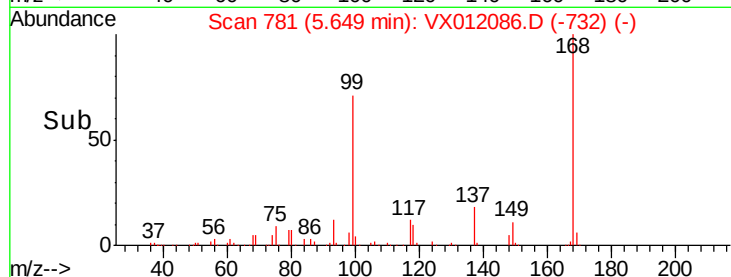
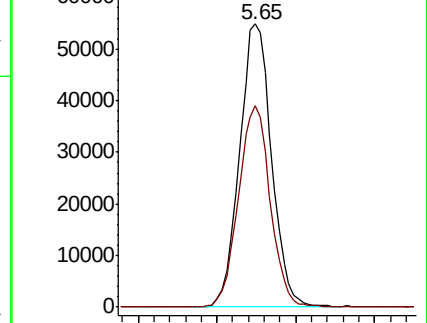
168 100

99 71.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.353 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012086.D

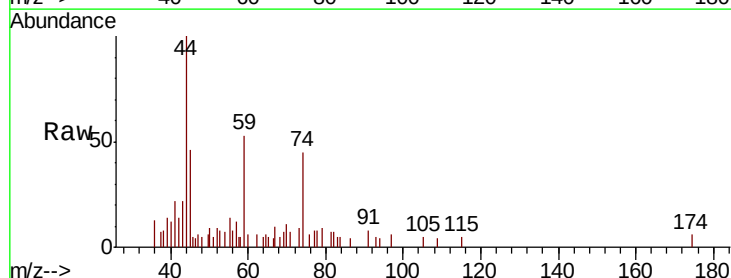
Acq: 05 Sep 2019 08:01

Tgt Ion: 74 Resp: 998

Ion Ratio Lower Upper

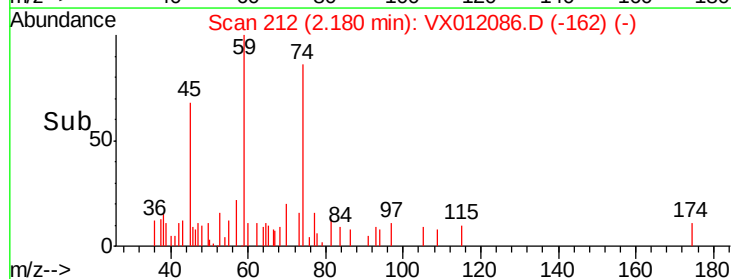
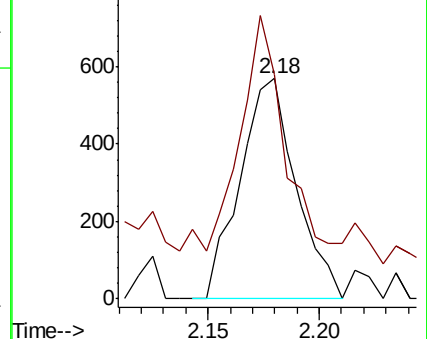
74 100

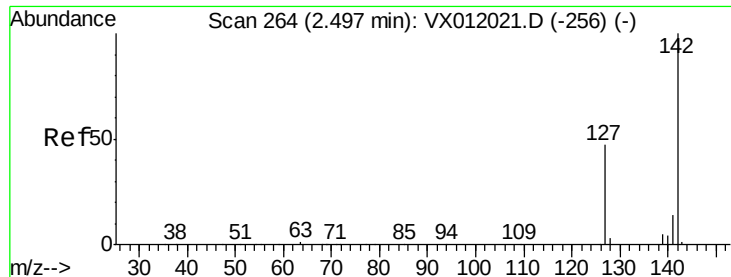
45 81.8 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

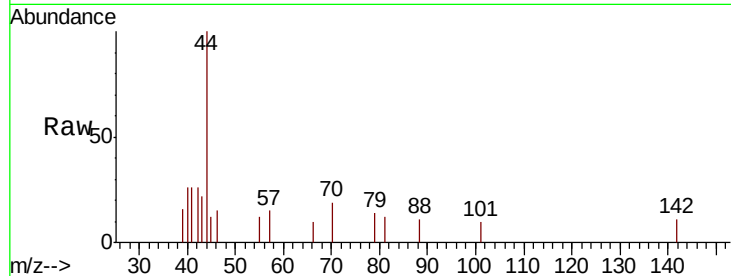




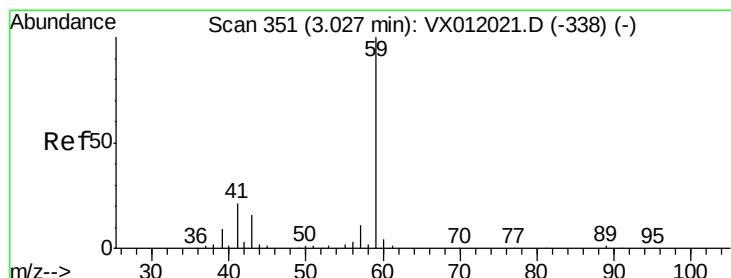
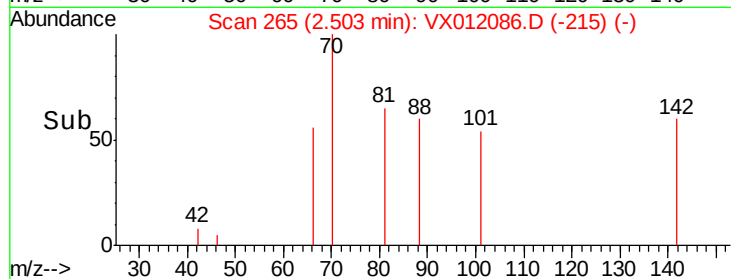
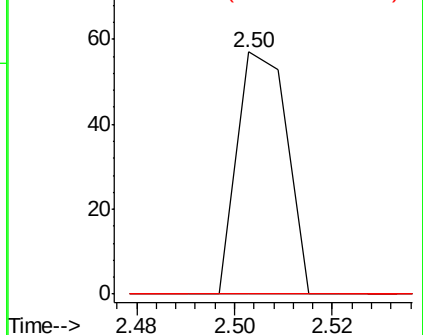
#10
Methyl Iodide
Concen: 7.010 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012086.D
Acq: 05 Sep 2019 08:01

Instrument :
MSVOA_X
ClientSampleId :
T8-S-G1-(2.5)

Tot Ion:142 Resp: 40
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

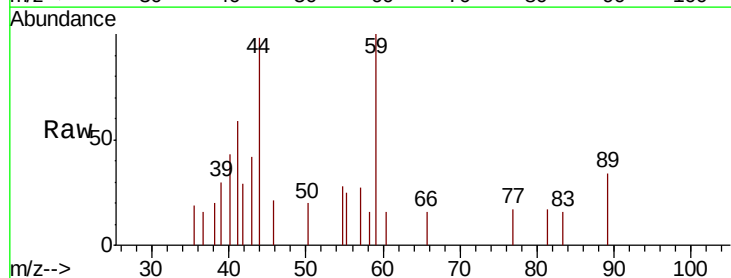


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

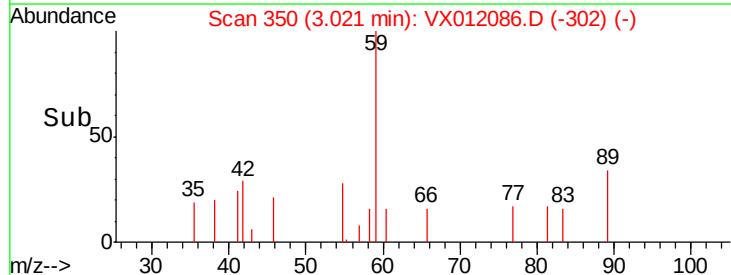
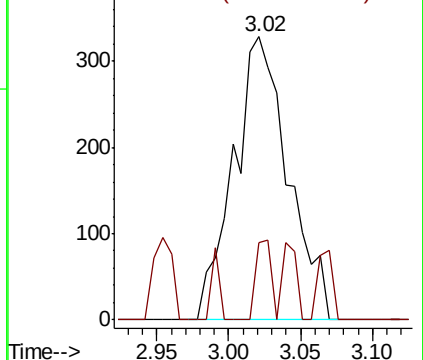


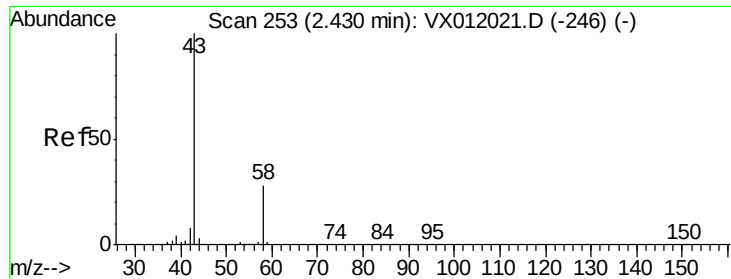
#11
Tert butyl alcohol
Concen: 4.225 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012086.D
Acq: 05 Sep 2019 08:01

Tgt Ion: 59 Resp: 866
Ion Ratio Lower Upper
59 100
57 7.7 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.705 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012086.D

Acq: 05 Sep 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

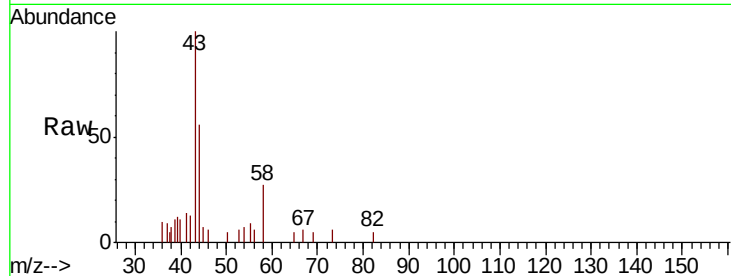
T8-S-G1-(2.5)

Tot Ion: 43 Resp: 1380

Ion Ratio Lower Upper

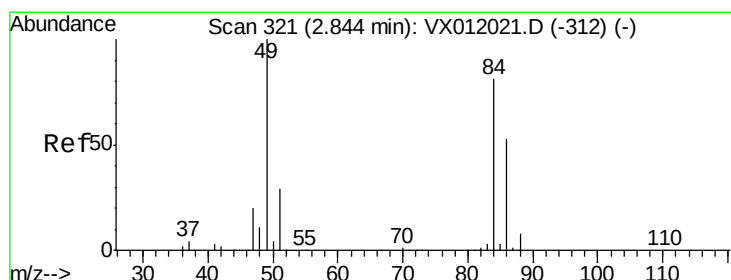
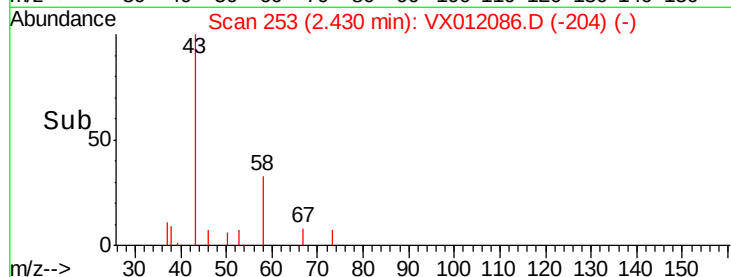
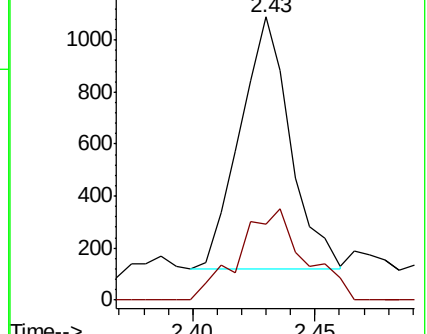
43 100

58 30.2 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 5.120 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012086.D

Acq: 05 Sep 2019 08:01

Tgt Ion: 84 Resp: 10489

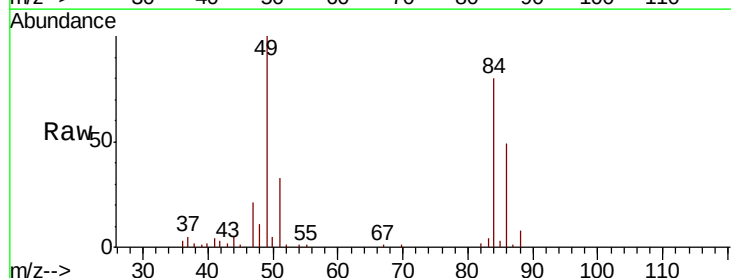
Ion Ratio Lower Upper

84 100

49 124.4 95.8 143.8

51 41.0 28.6 43.0

86 61.5 50.9 76.3

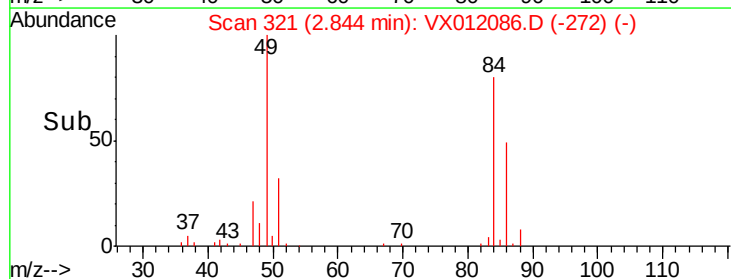
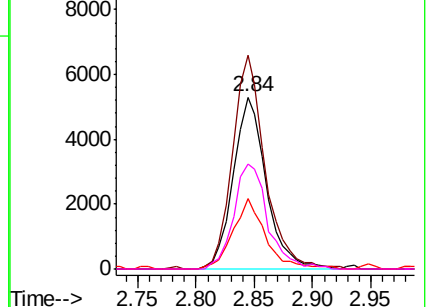


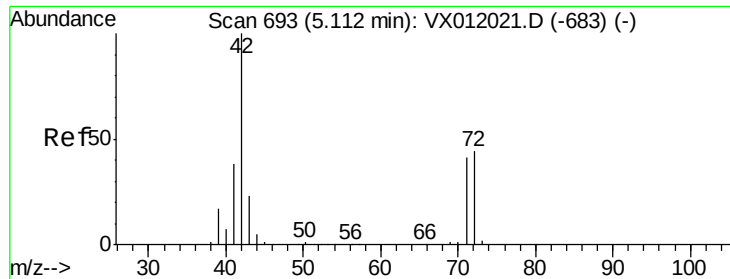
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

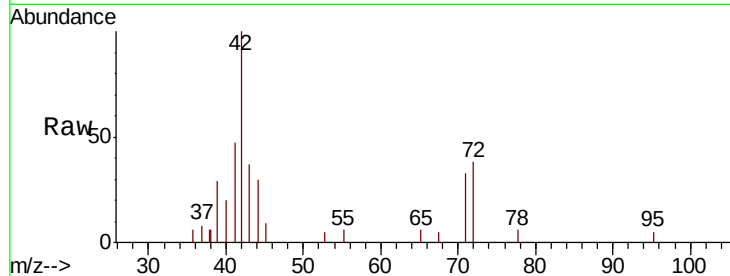




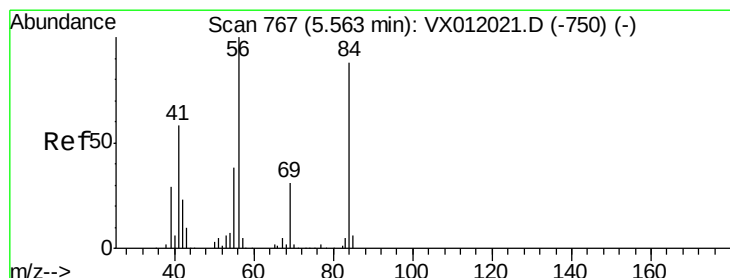
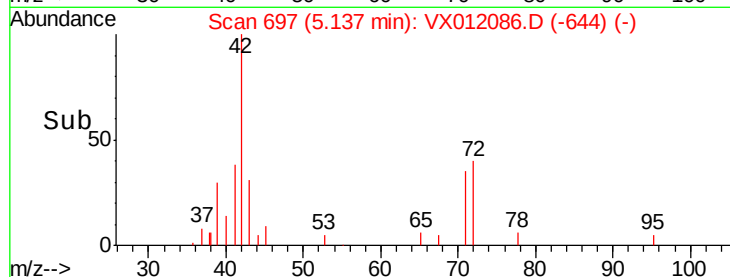
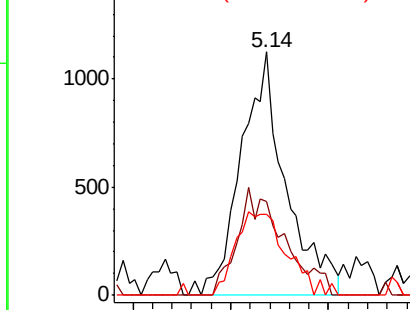
#29
Tetrahydrofuran
Concen: 9.158 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX012086.D
Acq: 05 Sep 2019 08:01

Instrument :
MSVOA_X
ClientSampled :
T8-S-G1-(2.5)

Tot Ion: 42 Resp: 3583
Ion Ratio Lower Upper
42 100
72 42.4 37.0 55.4
71 39.0 33.8 50.8

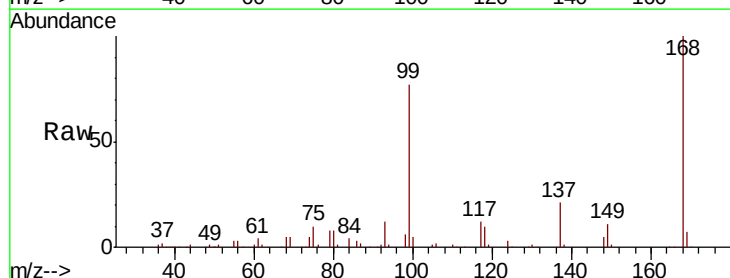


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

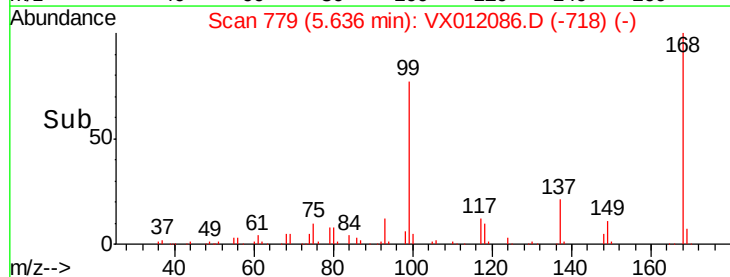
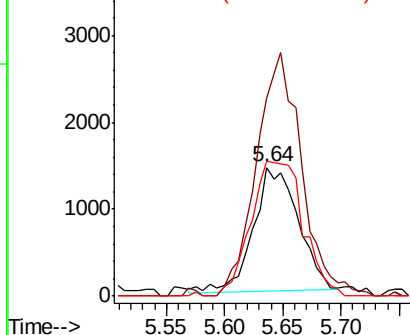


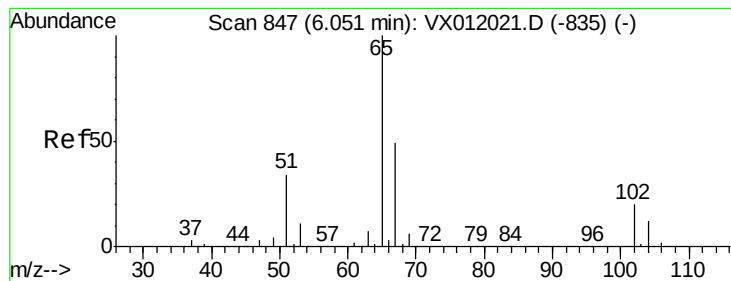
#31
Cyclohexane
Concen: 1.461 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.07 min
Lab File: VX012086.D
Acq: 05 Sep 2019 08:01

Tgt Ion: 56 Resp: 3824
Ion Ratio Lower Upper
56 100
69 154.4 25.7 38.5#
84 110.3 70.3 105.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.730 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012086.D

Acq: 05 Sep 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

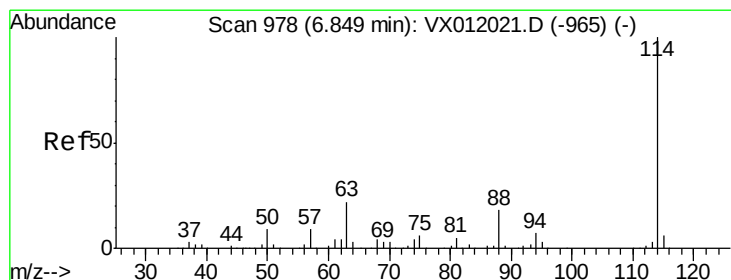
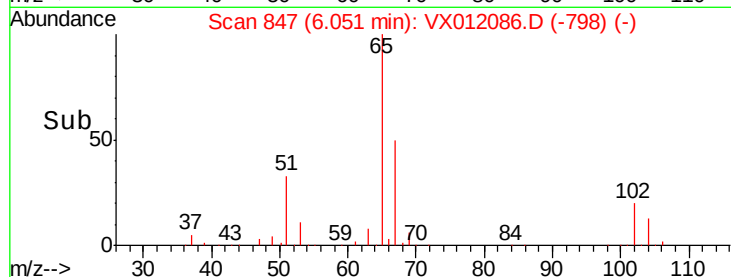
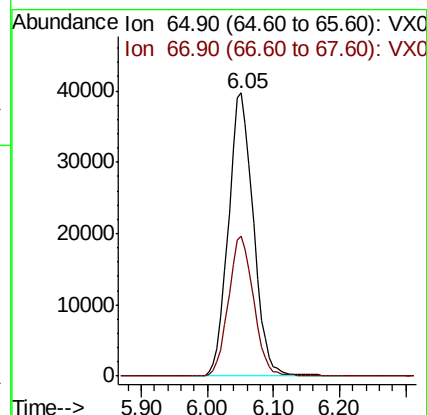
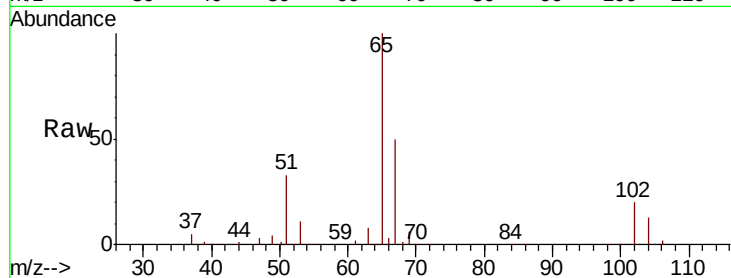
T8-S-G1-(2.5)

Tot Ion: 65 Resp: 104002

Ion Ratio Lower Upper

65 100

67 49.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012086.D

Acq: 05 Sep 2019 08:01

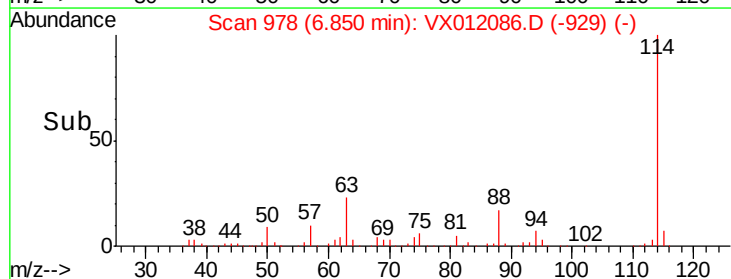
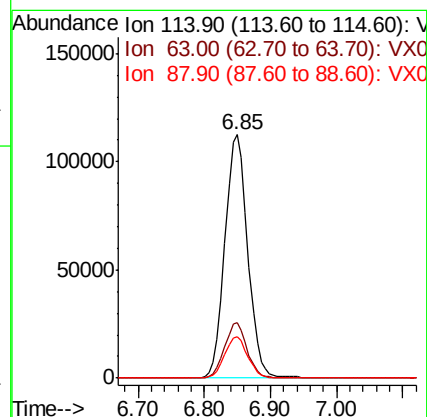
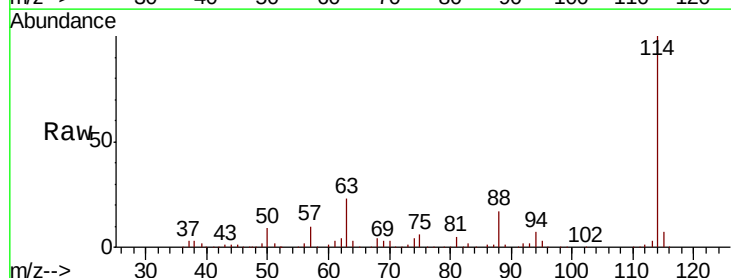
Tgt Ion: 114 Resp: 269395

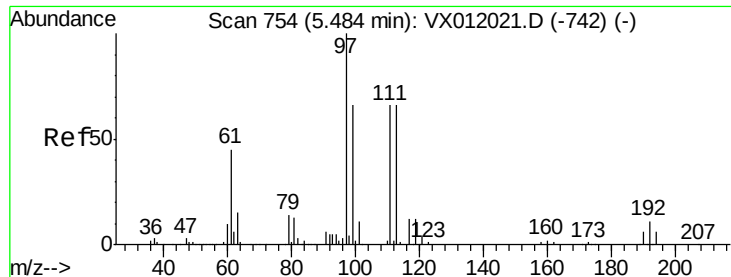
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.4

88 17.0 0.0 29.6

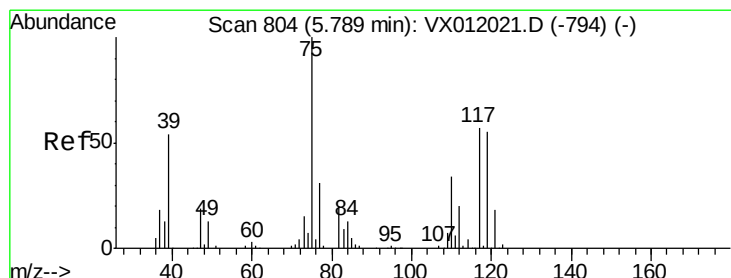
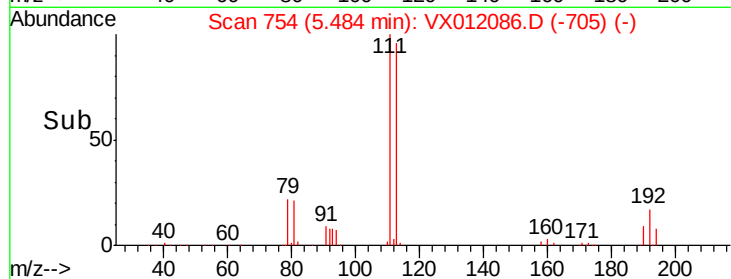
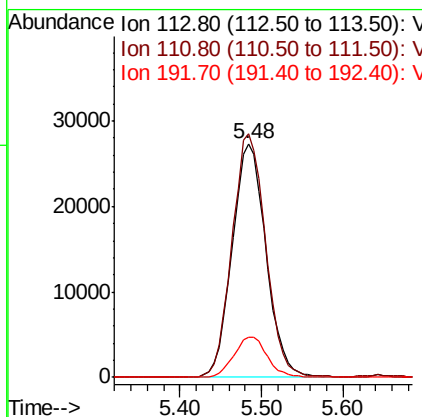
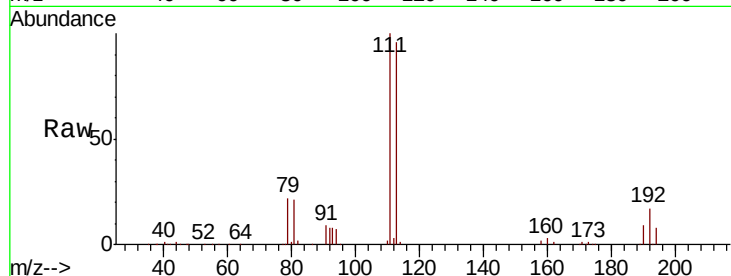




#35
 Dibromofluoromethane
 Concen: 47.324 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012086.D
 Acq: 05 Sep 2019 08:01

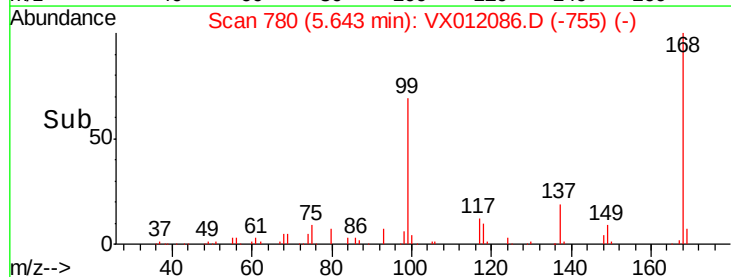
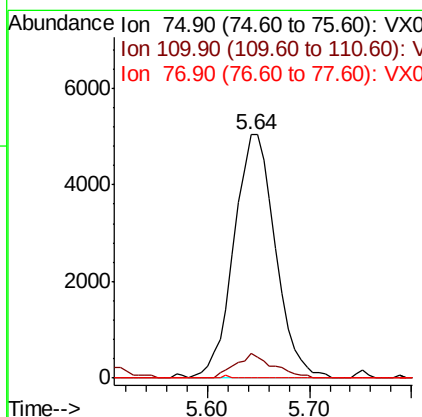
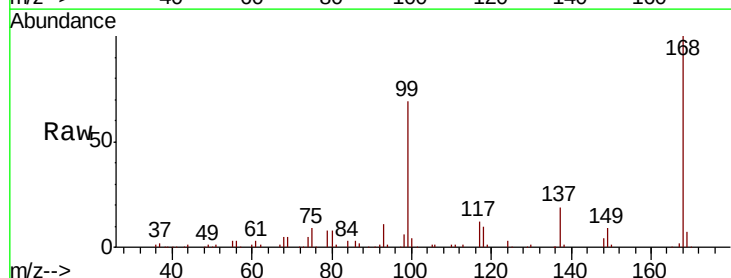
Instrument :
 MSVOA_X
 ClientSampleId :
 T8-S-G1-(2.5)

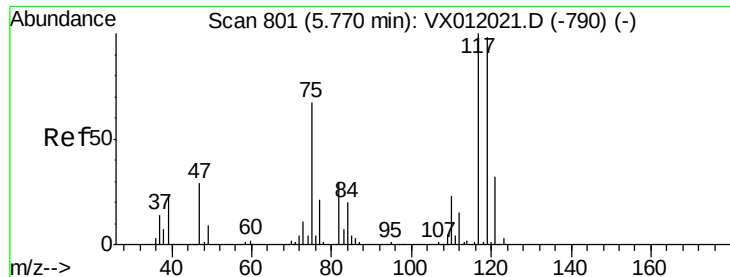
Tot Ion:113 Resp: 78402
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.7 122.5
 192 17.1 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.003 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012086.D
 Acq: 05 Sep 2019 08:01

Tgt Ion: 75 Resp: 14244
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.5 58.5#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.135 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012086.D

Acq: 05 Sep 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G1-(2.5)

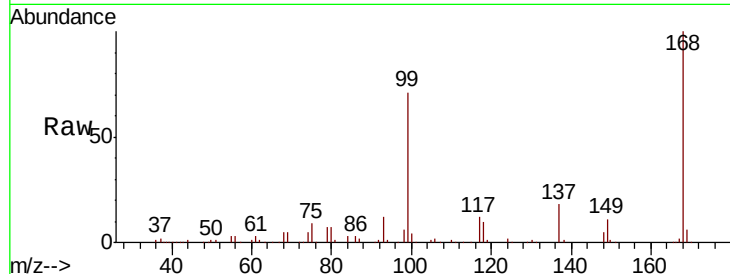
Tot Ion:117 Resp: 17839

Ion Ratio Lower Upper

117 100

119 5.3 78.3 117.5#

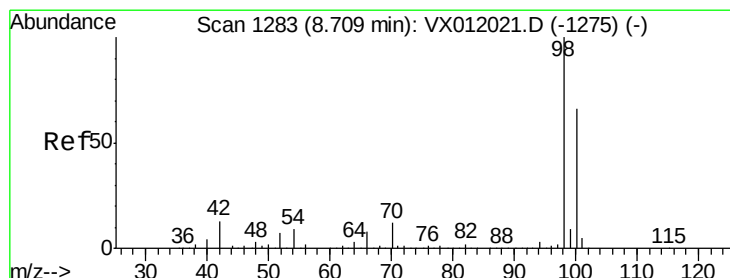
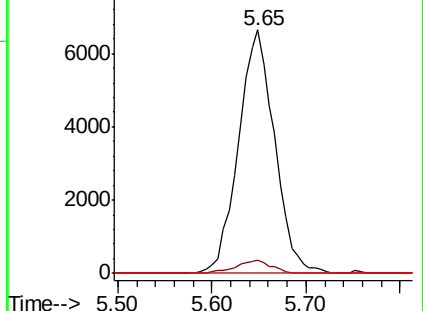
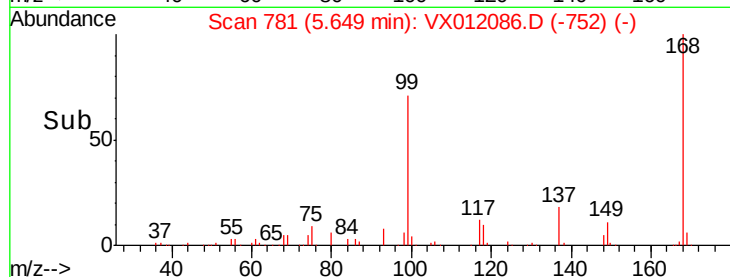
121 0.0 24.2 36.2#



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: 52.333 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012086.D

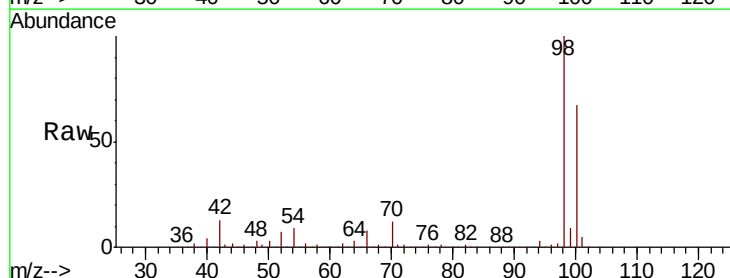
Acq: 05 Sep 2019 08:01

Tgt Ion: 98 Resp: 318153

Ion Ratio Lower Upper

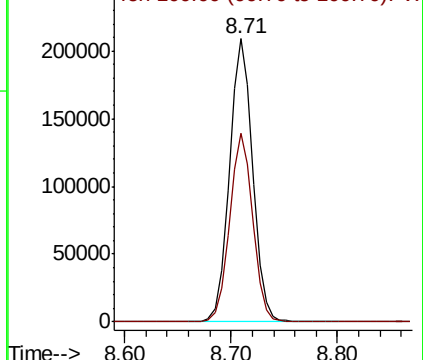
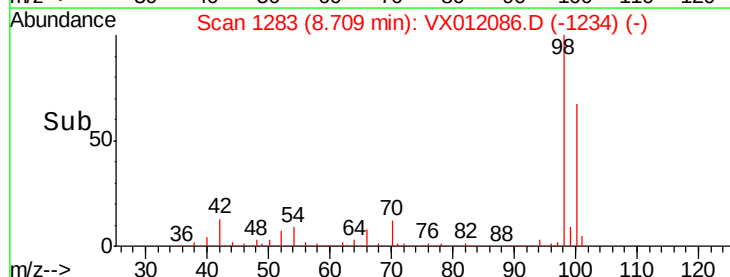
98 100

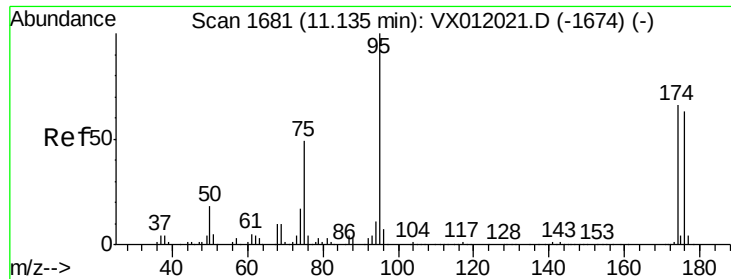
100 66.7 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

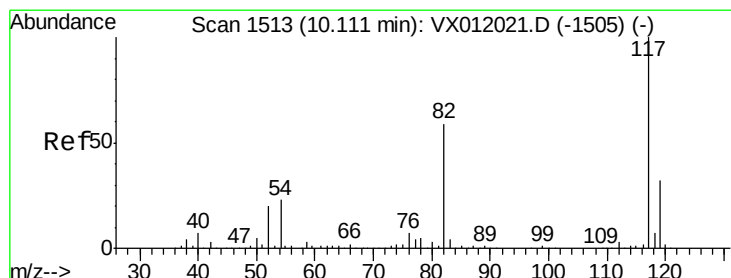
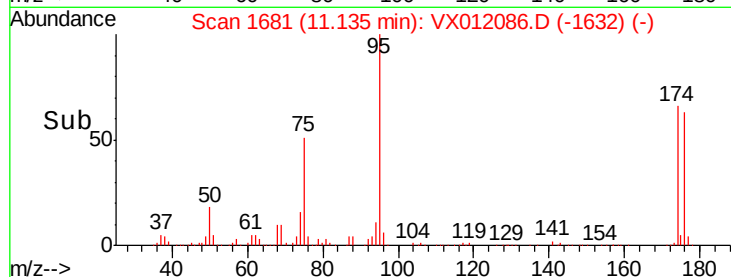
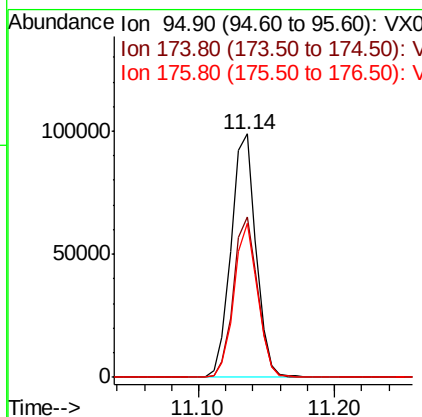
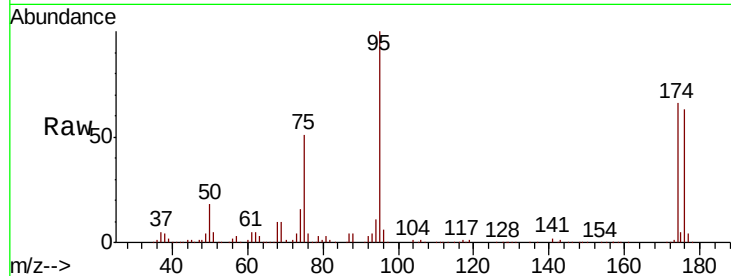




#62
4-Bromofluorobenzene
Concen: 44.555 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012086.D
Acq: 05 Sep 2019 08:01

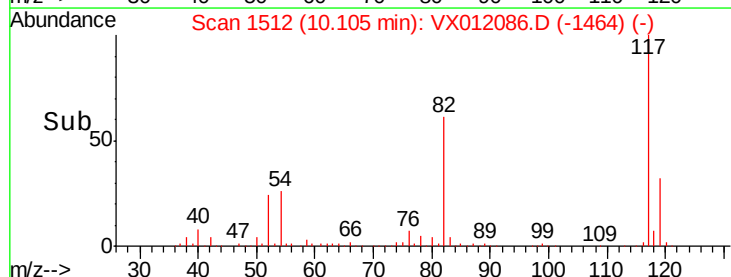
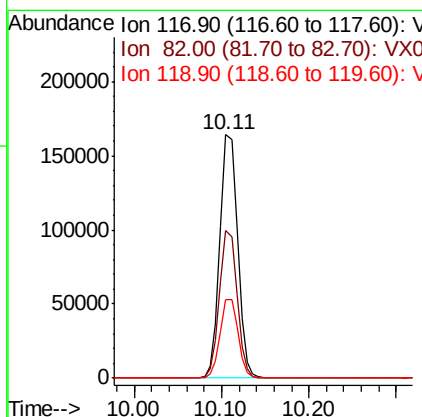
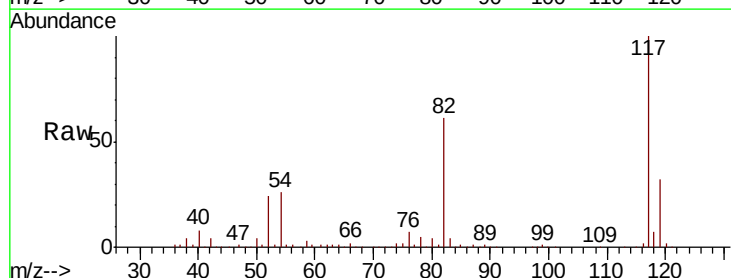
Instrument :
MSVOA_X
ClientSampleId :
T8-S-G1-(2.5)

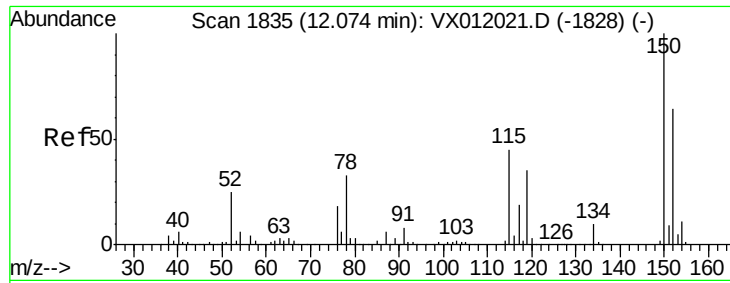
Tot Ion	95	Resp	125968
Ion Ratio	Lower	Upper	
95	100		
174	64.5	0.0	205.4
176	60.3	0.0	201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012086.D
Acq: 05 Sep 2019 08:01

Tgt Ion	117	Resp	231741
Ion Ratio	Lower	Upper	
117	100		
82	60.7	39.4	59.0#
119	32.2	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012086.D

Acq: 05 Sep 2019 08:01

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G1-(2.5)

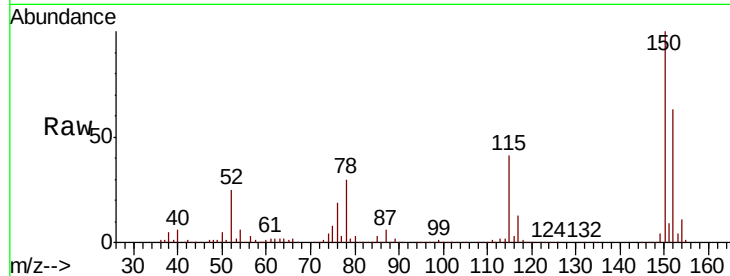
Tot Ion:152 Resp: 99624

Ion Ratio Lower Upper

152 100

115 65.9 36.4 109.3

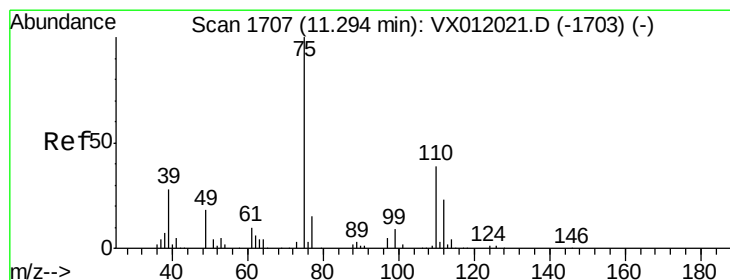
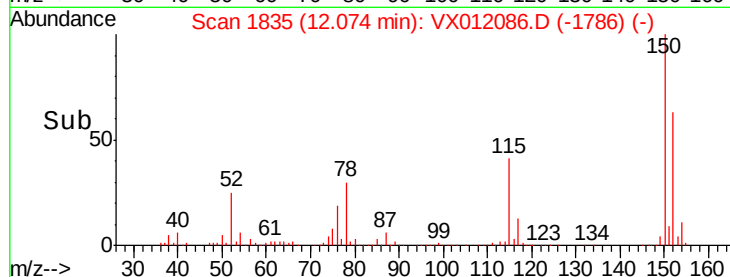
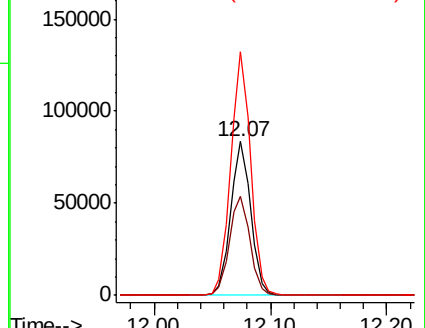
150 157.6 0.0 341.2



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: 53.236 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012086.D

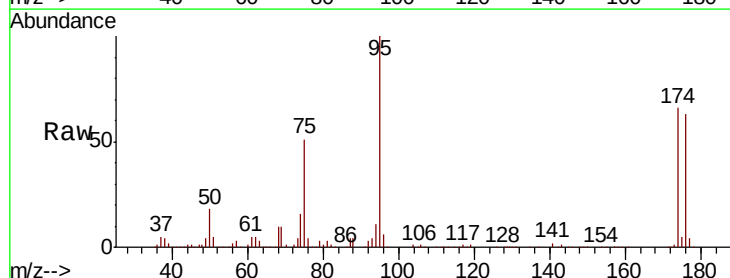
Acq: 05 Sep 2019 08:01

Tgt Ion: 75 Resp: 64802

Ion Ratio Lower Upper

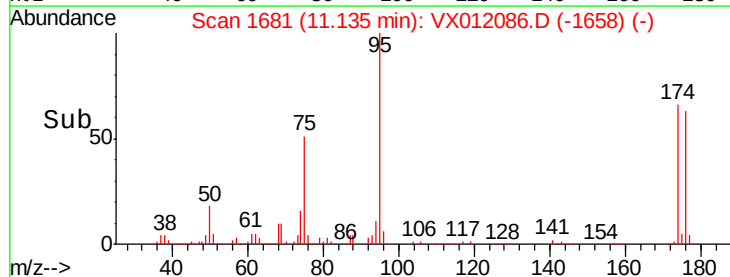
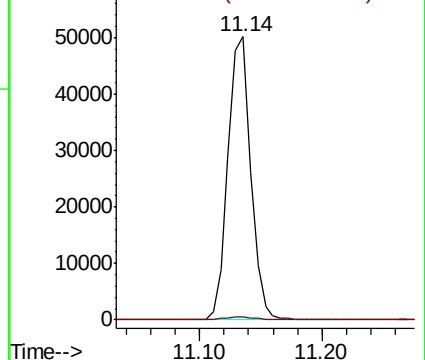
75 100

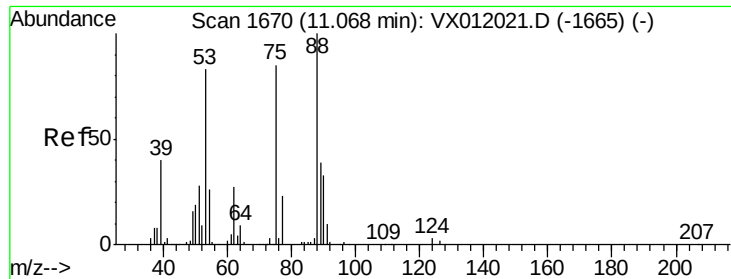
77 1.2 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.859 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012086.D
 Acq: 05 Sep 2019 08:01

Instrument :
 MSVOA_X
 ClientSampleId :
 T8-S-G1-(2.5)

Tot Ion: 75 Resp: 64802
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 117.8#
 89 0.0 38.8 58.2#

