

Data File : VX012202.D
Acq On : 08 Sep 2019 05:20
Operator : SY/SP
Sample : K4650-02
Misc : 5.08g/5.0mL/MSVOA_X/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Quant Time: Sep 08 07:51:17 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	145529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255023	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	92114	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	102625	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	5.48	113	77497	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	8.71	98	302103	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
62) 4-Bromofluorobenzene	11.14	95	116243	43.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.86%	

Target Compounds

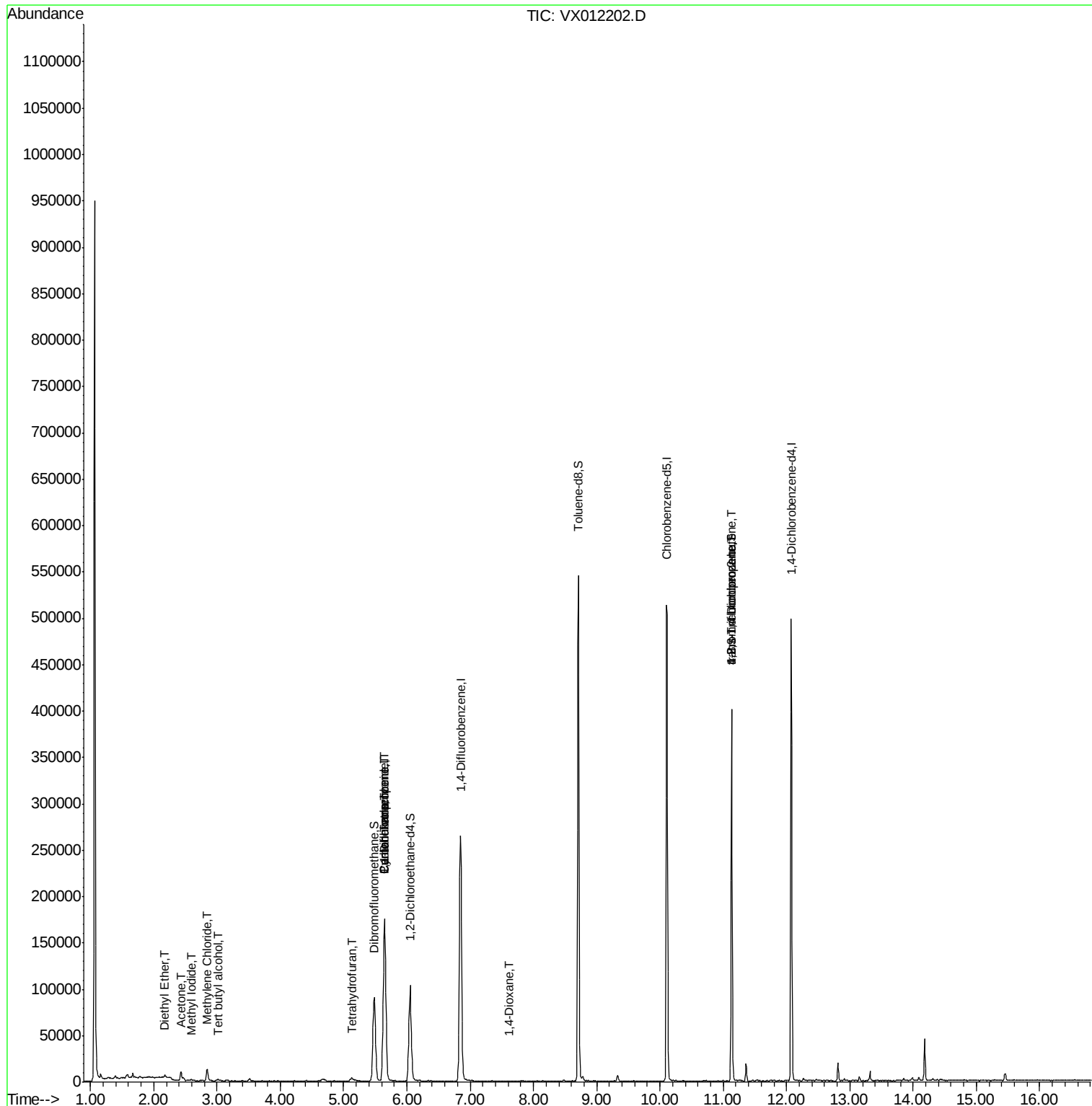
						Qvalue
8) Diethyl Ether	2.18	74	997	1.436	ug/l	97
10) Methyl Iodide	2.61	142	20	7.000	ug/l #	40
11) Tert butyl alcohol	3.02	59	1605	8.322	ug/l #	73
13) Acrolein	2.26	56	35	Below Cal	#	12
16) Acetone	2.42	43	10372	21.610	ug/l	99
20) Methylene Chloride	2.84	84	5878	3.050	ug/l	93
29) Tetrahydrofuran	5.13	42	3928	10.671	ug/l	94
31) Cyclohexane	5.64	56	4270	1.734	ug/l #	2
36) 1,1-Dichloropropene	5.65	75	13562	6.038	ug/l #	48
38) Carbon Tetrachloride	5.64	117	17309	7.313	ug/l #	15
49) 1,4-Dioxane	7.62	88	18	1.057	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	61263	54.432	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	61263	128.686	ug/l #	10

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

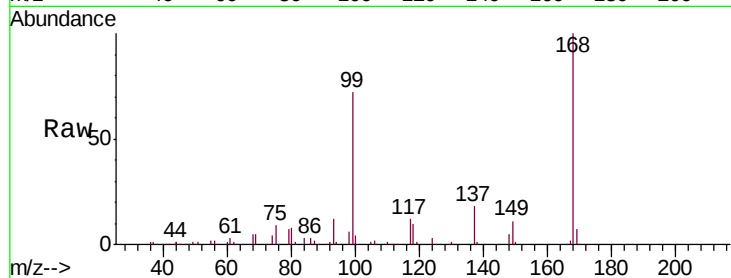
TP-2

Tgt Ion:168 Resp: 145529

Ion Ratio Lower Upper

168 100

99 71.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

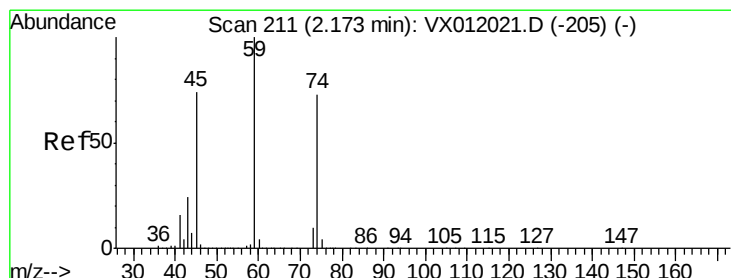
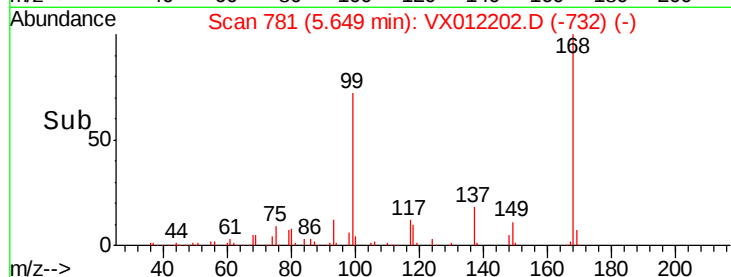
20000

10000

0

Time-->

5.50 5.60 5.70



#8

Diethyl Ether

Concen: 1.436 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012202.D

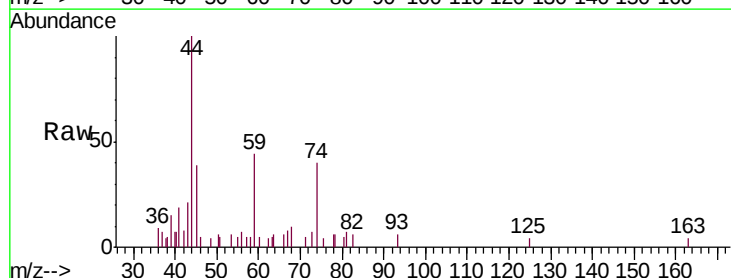
Acq: 08 Sep 2019 05:20

Tgt Ion: 74 Resp: 997

Ion Ratio Lower Upper

74 100

45 94.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

600

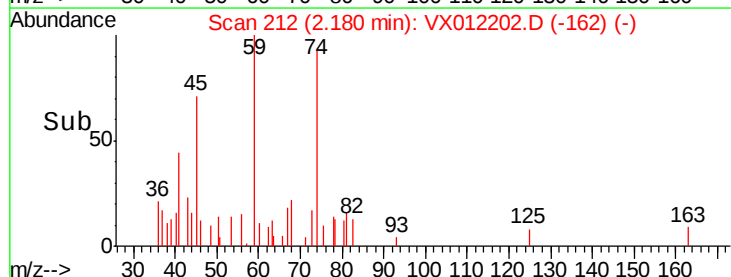
400

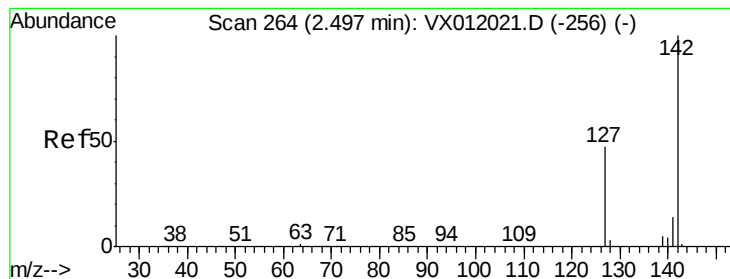
200

0

Time-->

2.10 2.15 2.20 2.25





#10

Methyl Iodide

Concen: 7.000 ug/l

RT: 2.61 min Scan# 282

Delta R.T. 0.11 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

TP-2

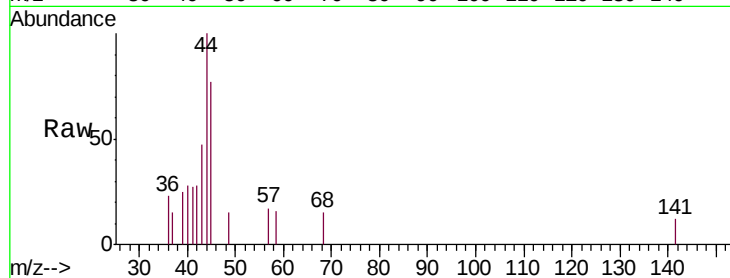
Tgt Ion: 142 Resp: 20

Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.2#

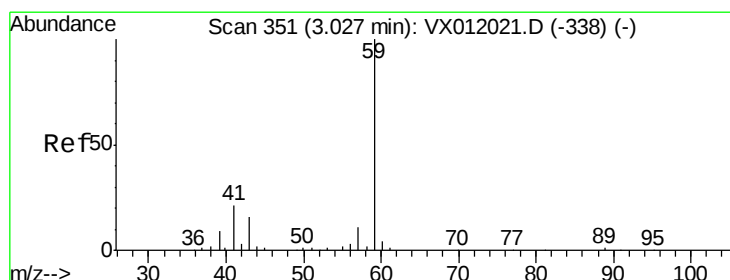
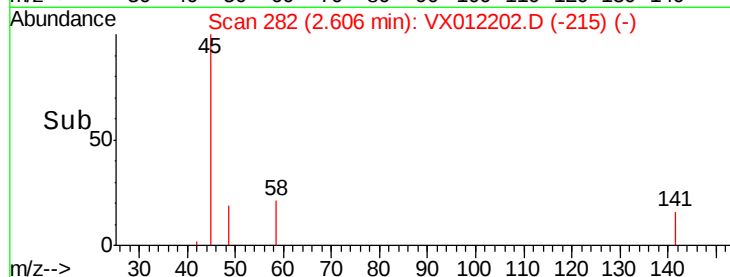
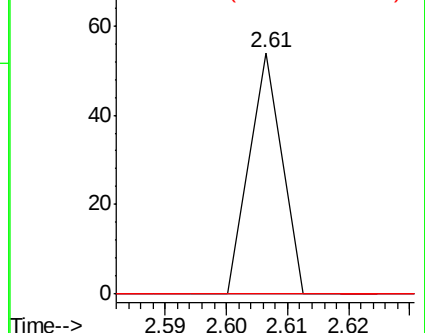
141 0.0 11.4 17.2#



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: 8.322 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX012202.D

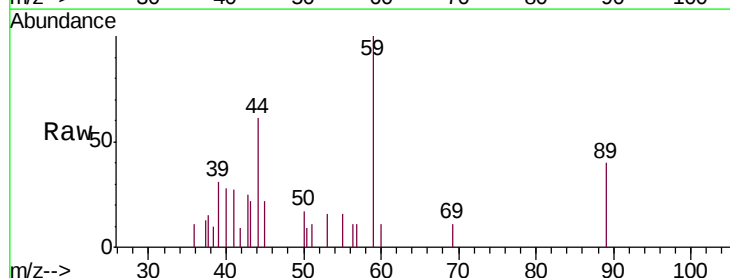
Acq: 08 Sep 2019 05:20

Tgt Ion: 59 Resp: 1605

Ion Ratio Lower Upper

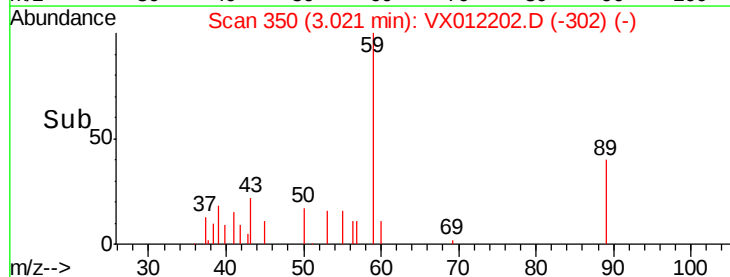
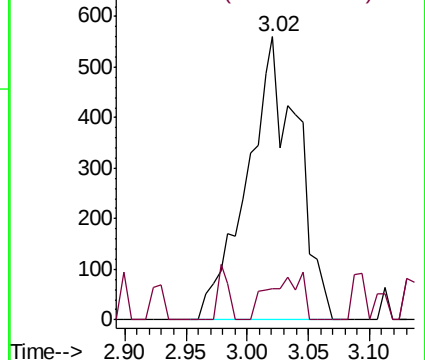
59 100

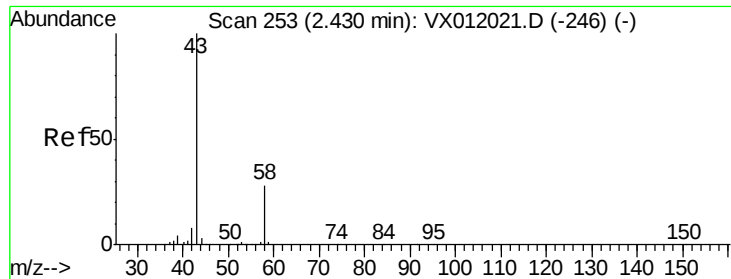
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 21.610 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

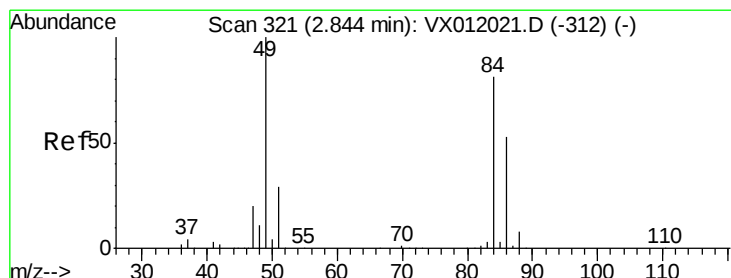
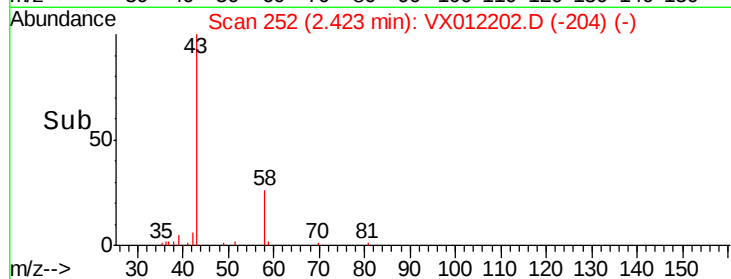
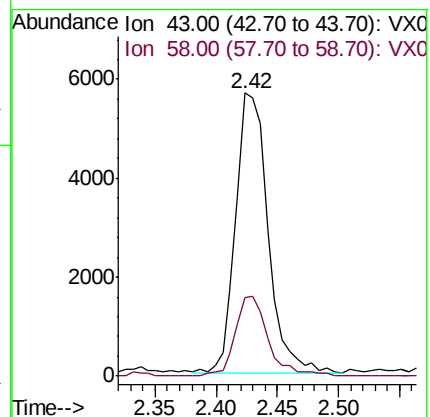
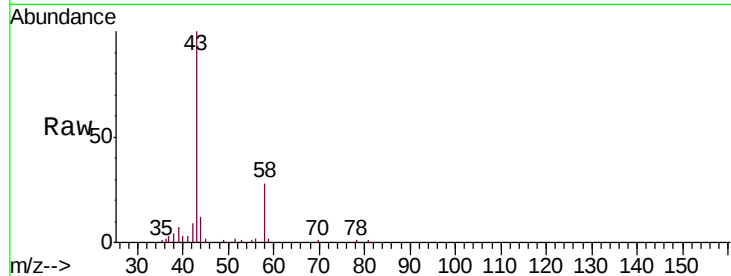
TP-2

Tgt Ion: 43 Resp: 10372

Ion Ratio Lower Upper

43 100

58 28.0 22.8 34.2



#20

Methylene Chloride

Concen: 3.050 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Tgt Ion: 84 Resp: 5878

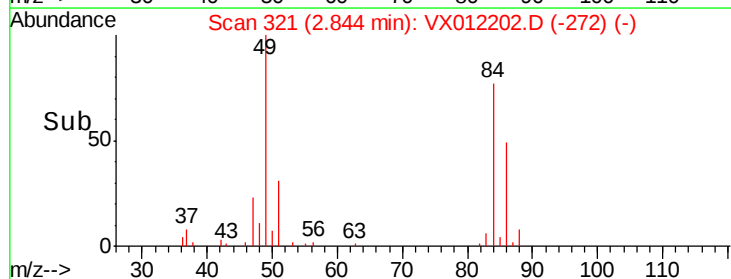
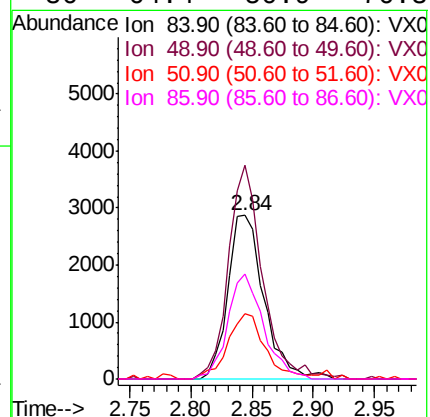
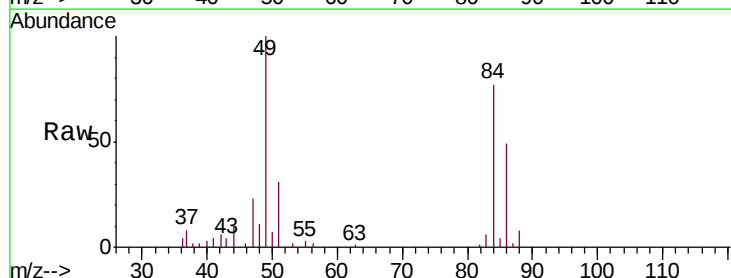
Ion Ratio Lower Upper

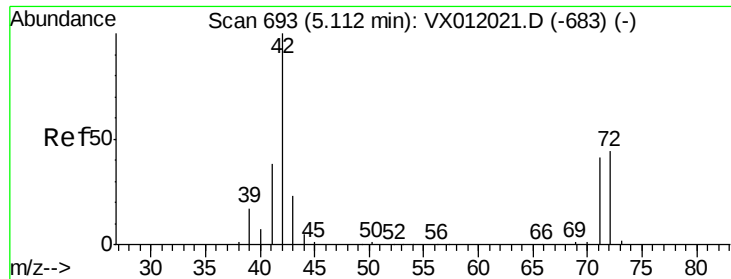
84 100

49 130.6 95.8 143.8

51 40.1 28.6 43.0

86 64.4 50.9 76.3

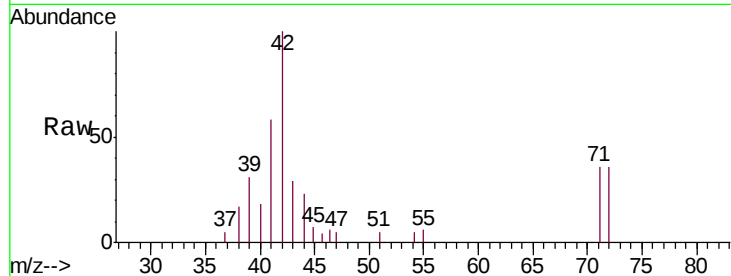




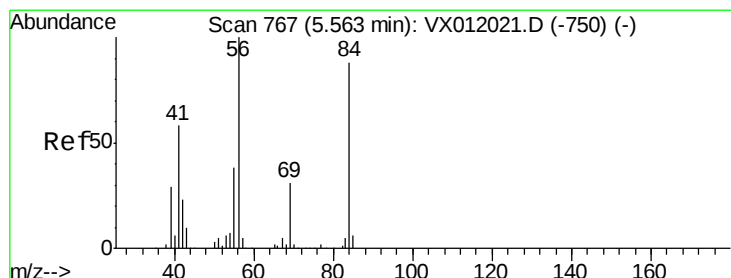
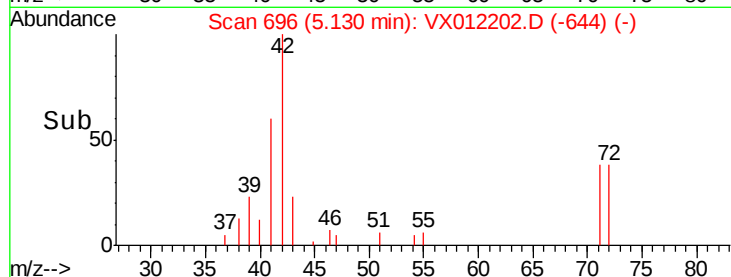
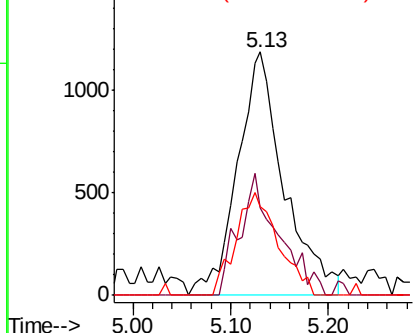
#29
Tetrahydrofuran
Concen: 10.671 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012202.D
Acq: 08 Sep 2019 05:20

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion: 42 Resp: 3928
Ion Ratio Lower Upper
42 100
72 42.3 37.0 55.4
71 38.5 33.8 50.8

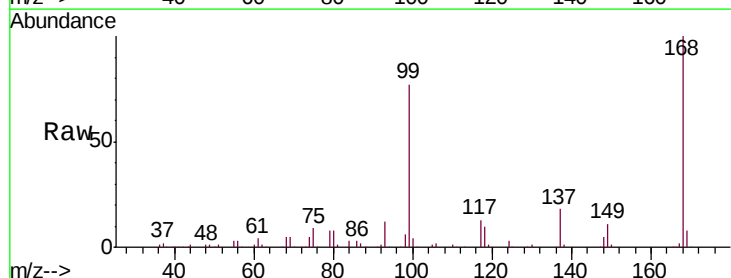


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

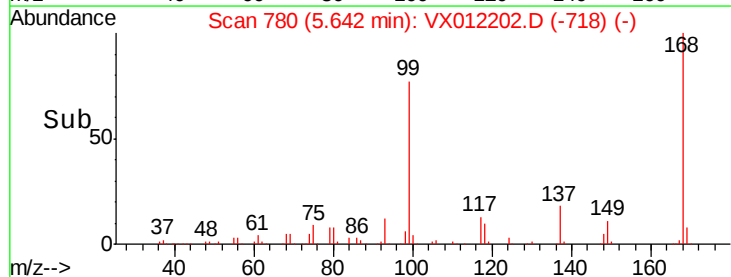
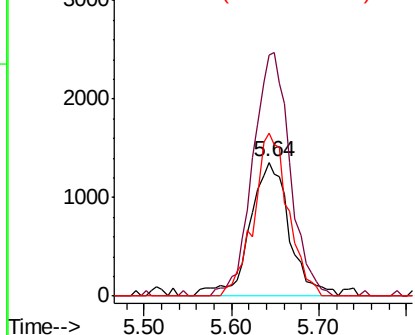


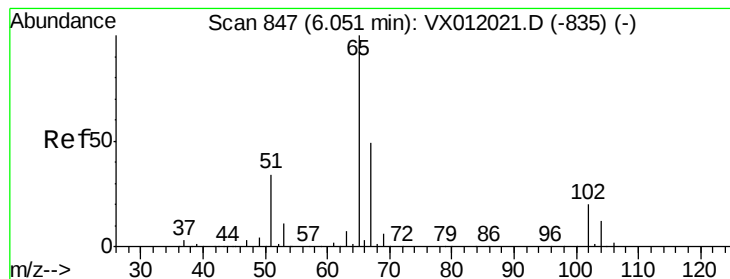
#31
Cyclohexane
Concen: 1.734 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012202.D
Acq: 08 Sep 2019 05:20

Tgt Ion: 56 Resp: 4270
Ion Ratio Lower Upper
56 100
69 180.1 25.7 38.5#
84 121.7 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: 51.108 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

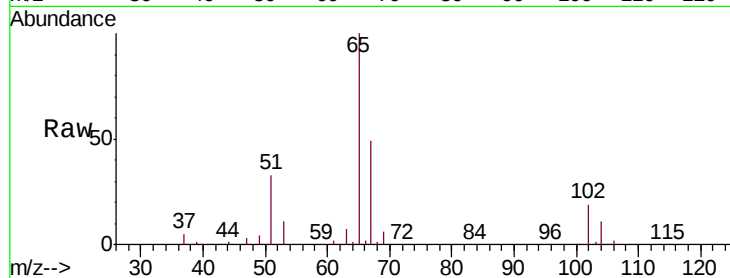
TP-2

Tgt Ion: 65 Resp: 102625

Ion Ratio Lower Upper

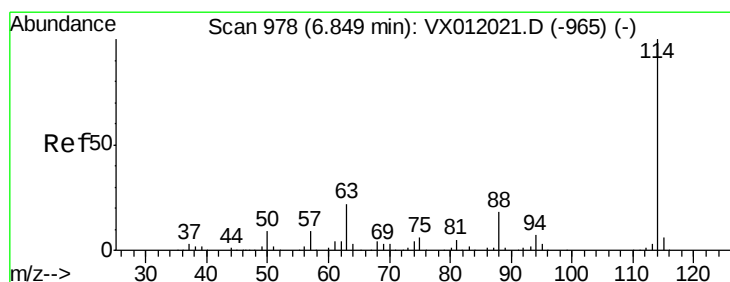
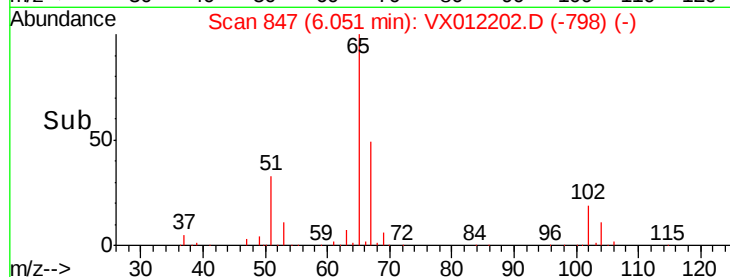
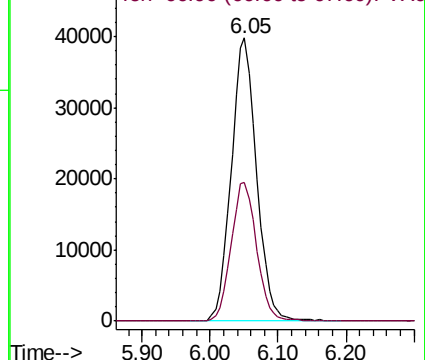
65 100

67 49.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

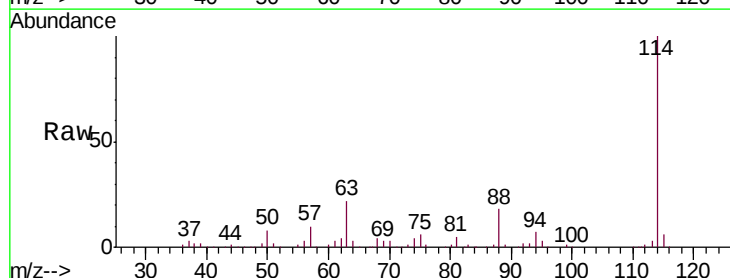
Tgt Ion: 114 Resp: 255023

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.4

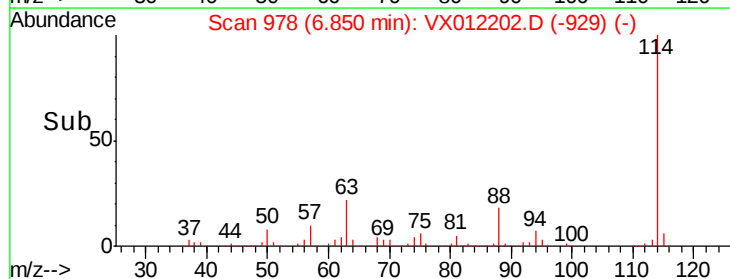
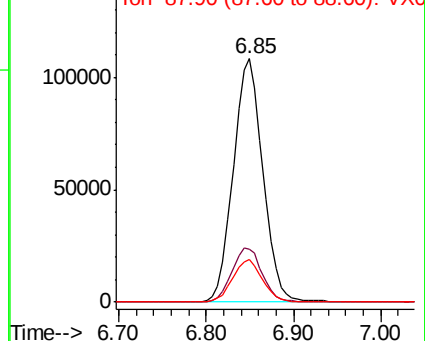
88 17.8 0.0 29.6

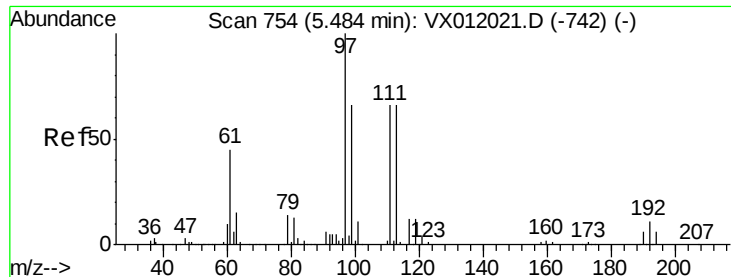


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.414 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Instrument :

MSVOA_X

ClientSampleId :

TP-2

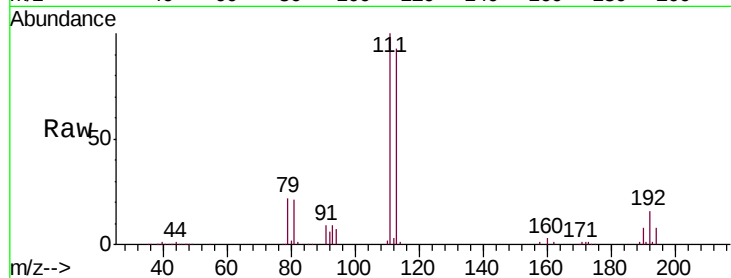
Tgt Ion:113 Resp: 77497

Ion Ratio Lower Upper

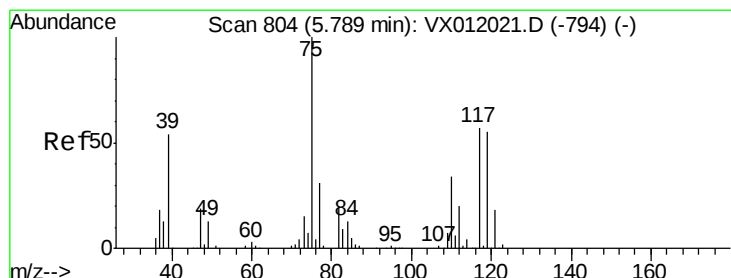
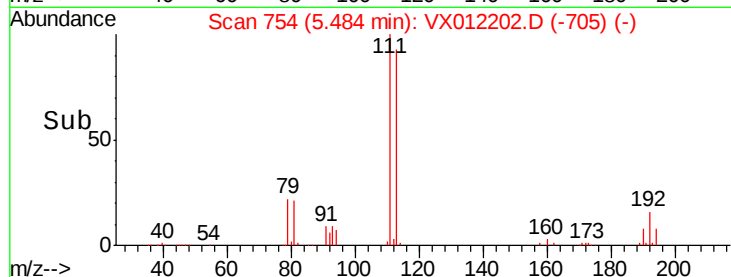
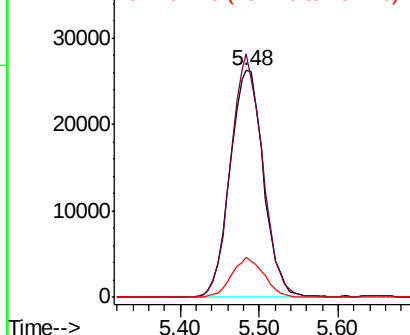
113 100

111 102.2 81.7 122.5

192 16.9 22.5 33.7#



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



#36

1,1-Dichloropropene

Concen: 6.038 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

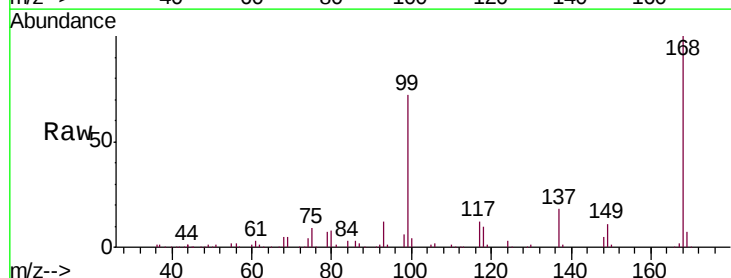
Tgt Ion: 75 Resp: 13562

Ion Ratio Lower Upper

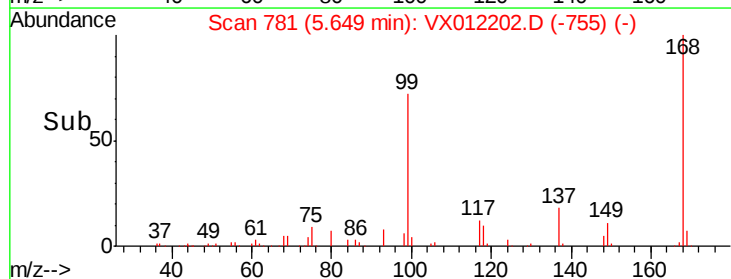
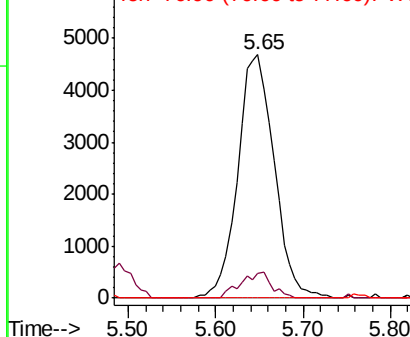
75 100

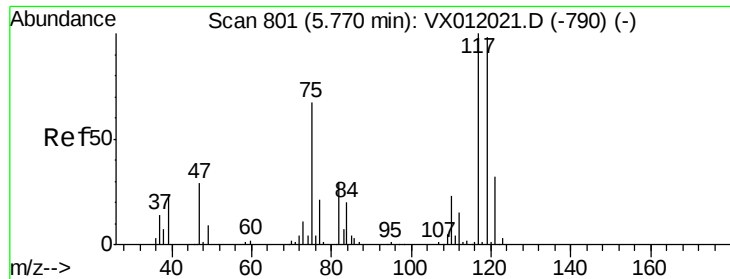
110 9.1 19.5 58.5#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.313 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Instrument :

MSVOA_X

ClientSampled :

TP-2

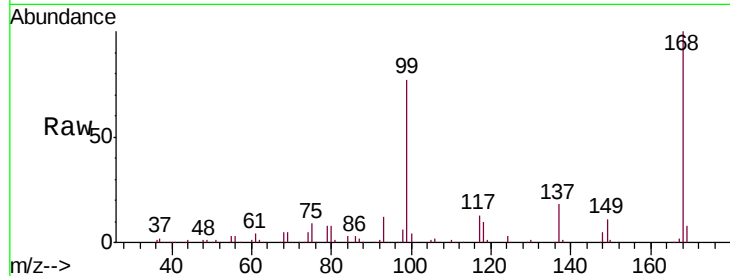
Tgt Ion:117 Resp: 17309

Ion Ratio Lower Upper

117 100

119 5.1 78.3 117.5#

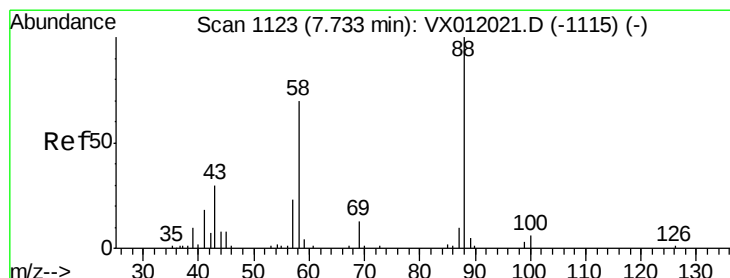
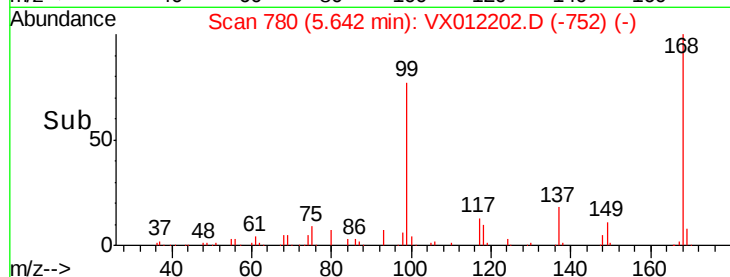
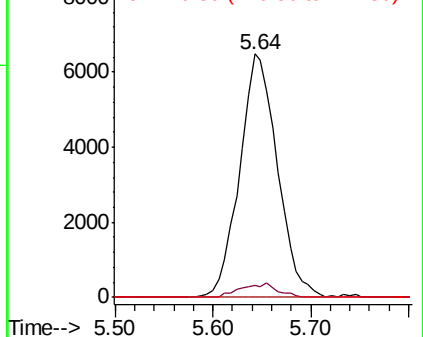
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.057 ug/l

RT: 7.62 min Scan# 1104

Delta R.T. -0.11 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

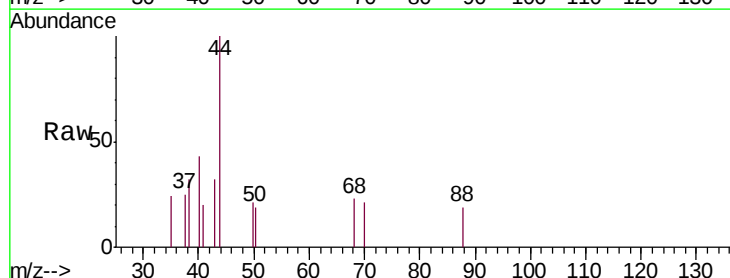
Tgt Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

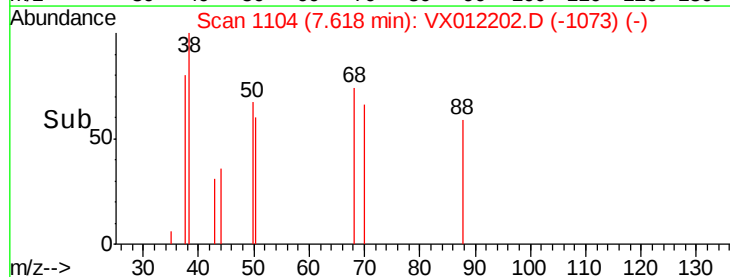
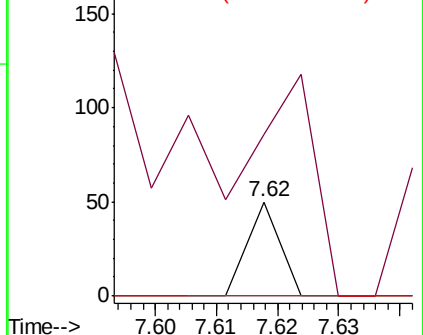
58 0.0 55.4 83.2#

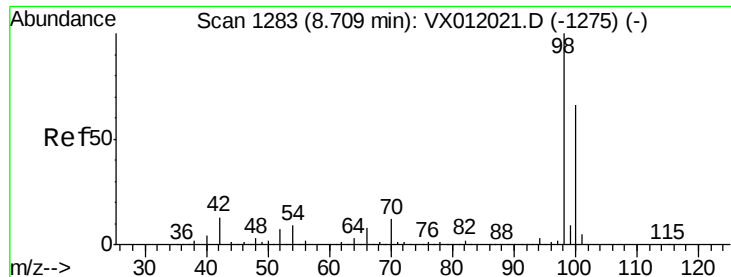


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

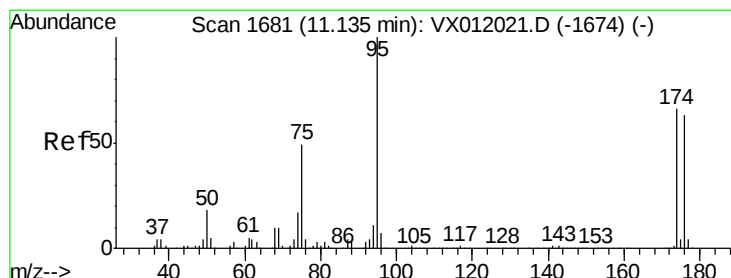
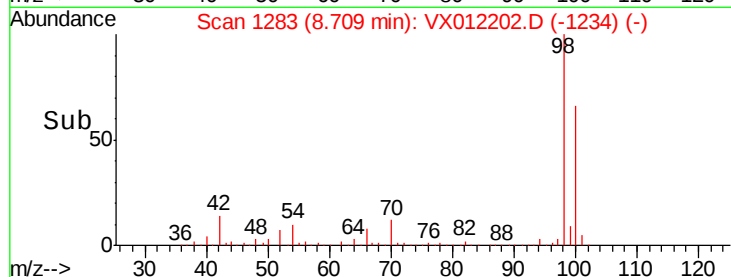
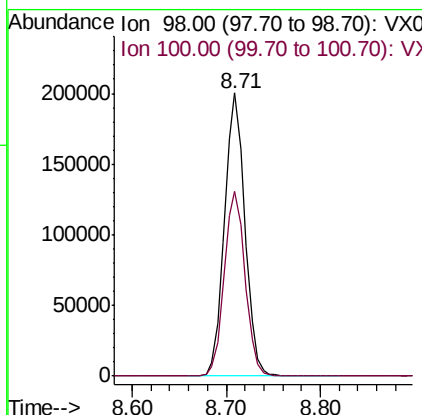
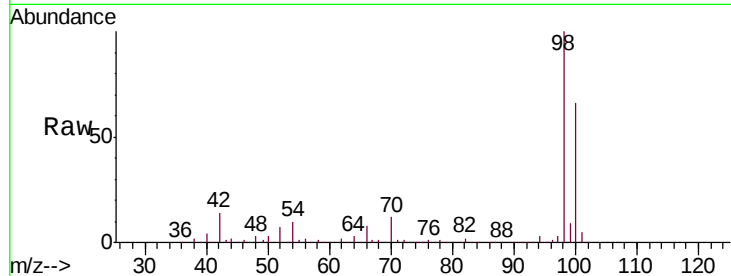




#50
Toluene-d8
Concen: 52.494 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012202.D
Acq: 08 Sep 2019 05:20

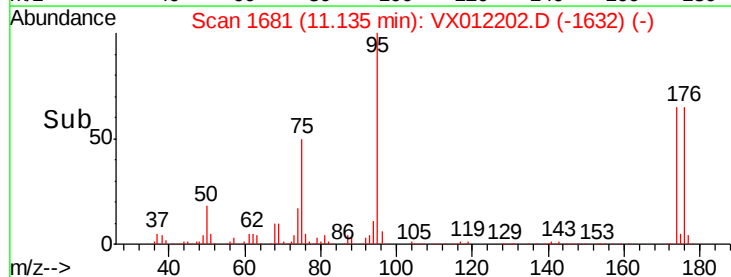
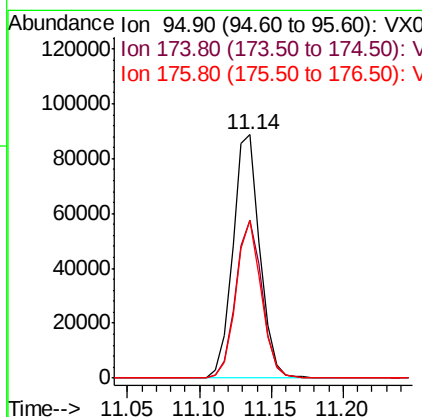
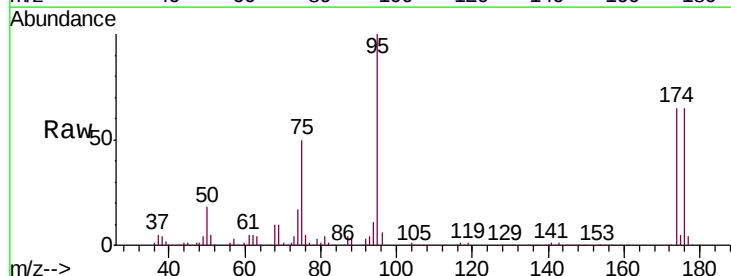
Instrument :
MSVOA_X
ClientSampled :
TP-2

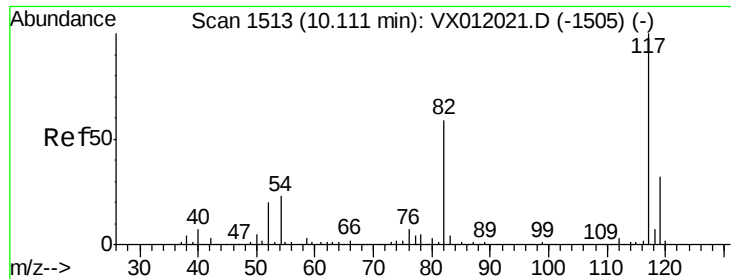
Tgt Ion: 98 Resp: 302103
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.432 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012202.D
Acq: 08 Sep 2019 05:20

Tgt Ion: 95 Resp: 116243
Ion Ratio Lower Upper
95 100
174 63.5 0.0 205.4
176 61.1 0.0 201.8

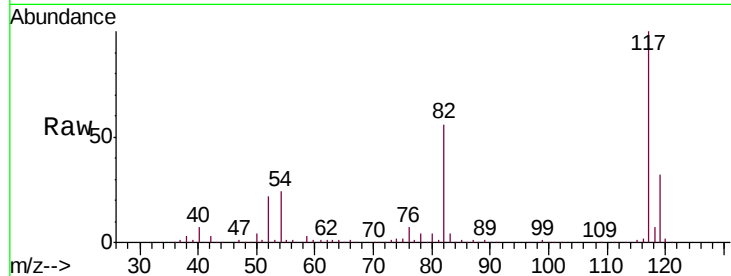




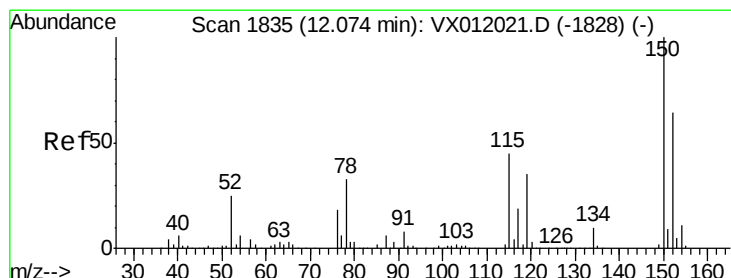
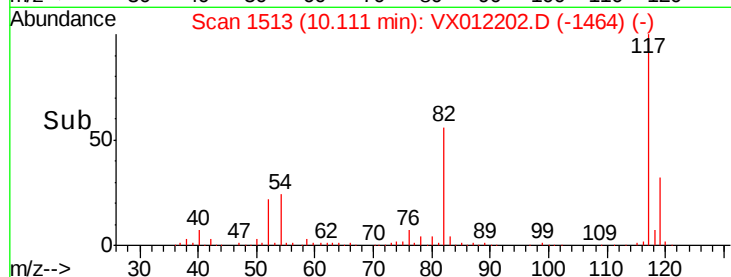
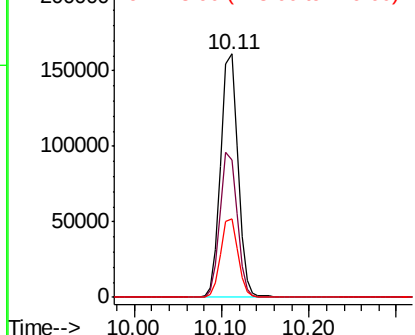
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012202.D
Acq: 08 Sep 2019 05:20

Instrument :
MSVOA_X
ClientSampleId :
TP-2

Tgt Ion:117 Resp: 220229
Ion Ratio Lower Upper
117 100
82 56.5 39.4 59.0
119 32.2 26.1 39.1

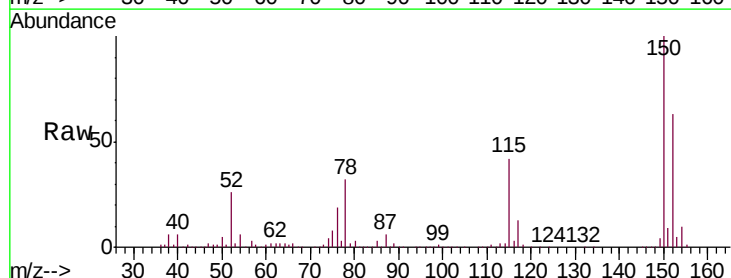


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

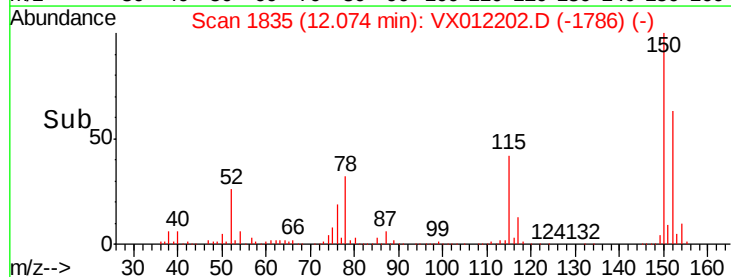
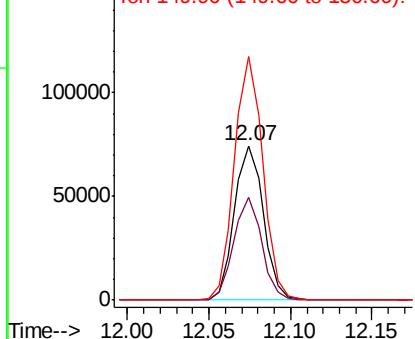


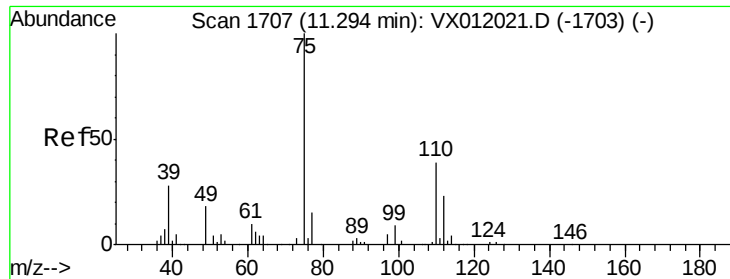
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012202.D
Acq: 08 Sep 2019 05:20

Tgt Ion:152 Resp: 92114
Ion Ratio Lower Upper
152 100
115 64.7 36.4 109.3
150 155.4 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: 54.432 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Instrument :

MSVOA_X

ClientSampled :

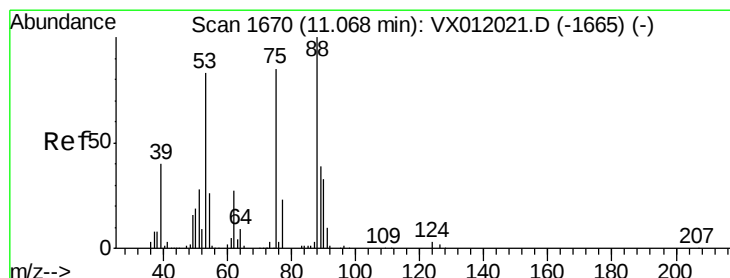
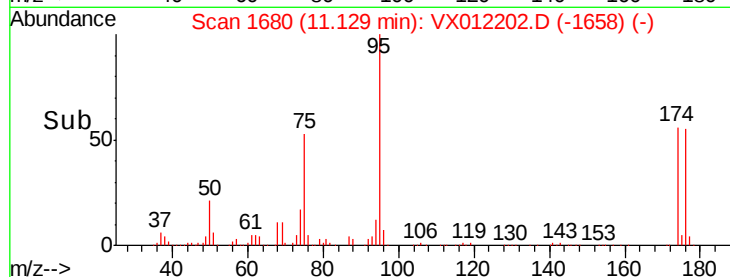
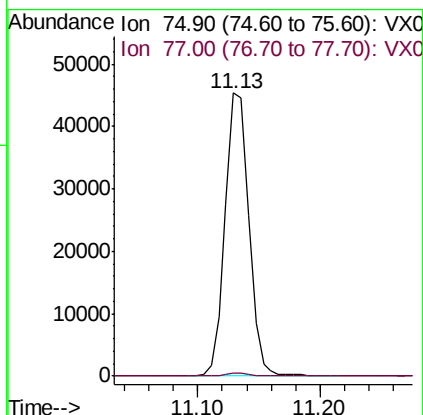
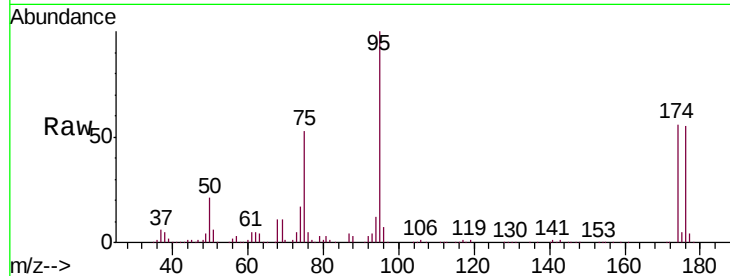
TP-2

Tgt Ion: 75 Resp: 61263

Ion Ratio Lower Upper

75 100

77 1.2 23.5 70.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.686 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012202.D

Acq: 08 Sep 2019 05:20

Tgt Ion: 75 Resp: 61263

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

