

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX083119\
 Data File : VX011975.D
 Acq On : 01 Sep 2019 03:33
 Operator : SY/SP
 Sample : K4526-18
 Misc : 5.00g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-G3-(1.9)

Quant Time: Sep 01 04:07:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 01:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	424792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	539504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	473233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	243463	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	169438	41.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.26%	
35) Dibromofluoromethane	5.48	113	154640	44.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.40%	
50) Toluene-d8	8.71	98	602523	48.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.14	95	220410	40.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	81.26%	

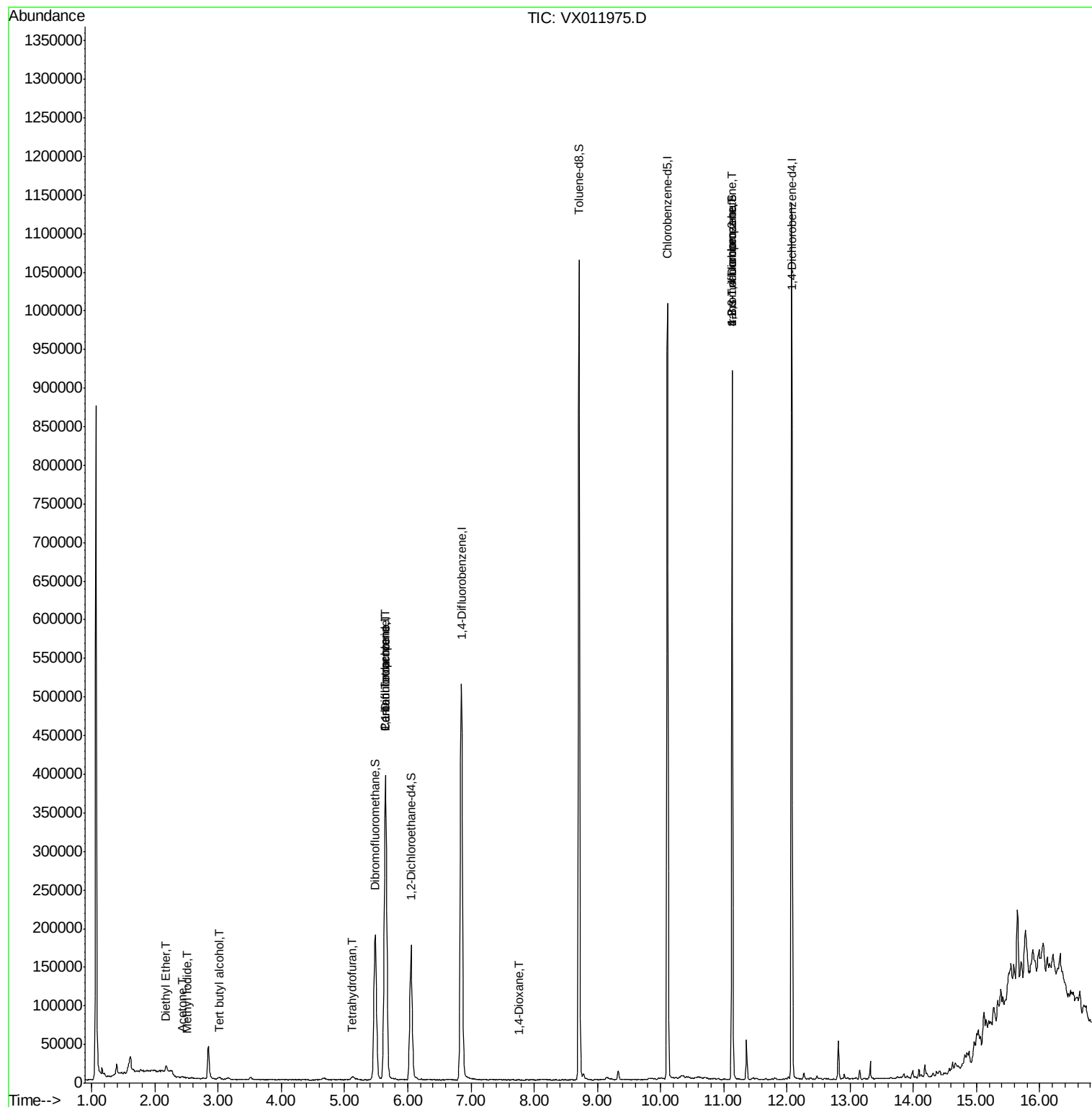
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	2627	1.551	ug/l	91
10) Methyl Iodide	2.50	142	212	3.732	ug/l #	64
11) Tert butyl alcohol	3.02	59	2833	7.235	ug/l #	72
16) Acetone	2.43	43	2581	2.947	ug/l	94
29) Tetrahydrofuran	5.12	42	4804	6.035	ug/l	94
36) 1,1-Dichloropropene	5.64	75	24895	5.825	ug/l #	51
38) Carbon Tetrachloride	5.65	117	35557	7.173	ug/l #	16
49) 1,4-Dioxane	7.77	88	68	1.981	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	109820	45.855	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	109820	115.195	ug/l #	11

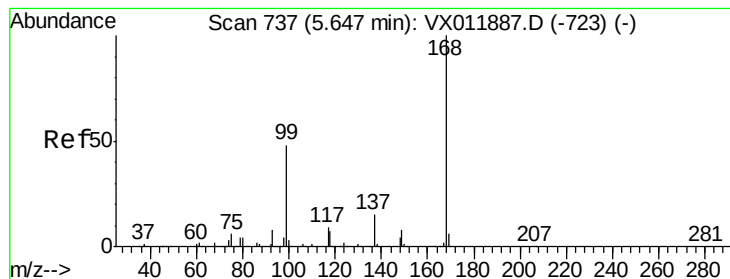
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX011975.D

Acq: 01 Sep 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

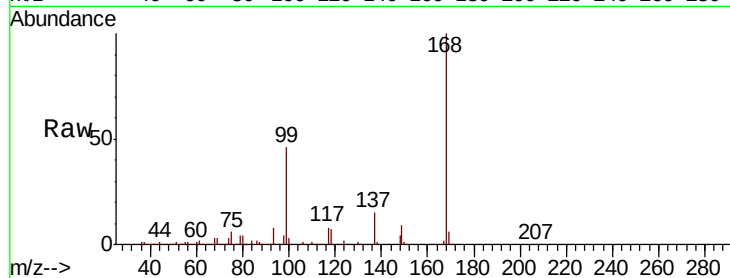
T9-12-13-G3-(1.9)

Tgt Ion:168 Resp: 424792

Ion Ratio Lower Upper

168 100

99 46.2 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

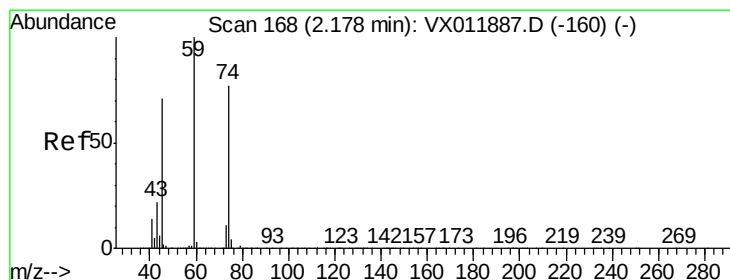
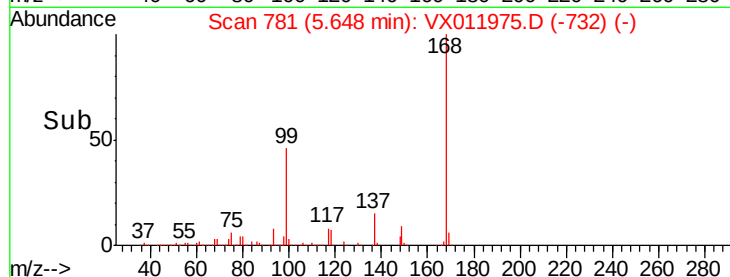
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.551 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX011975.D

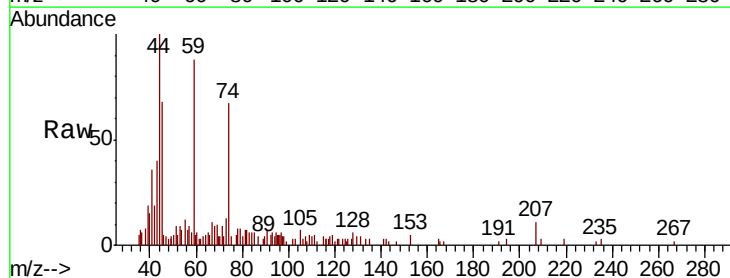
Acq: 01 Sep 2019 03:33

Tgt Ion: 74 Resp: 2627

Ion Ratio Lower Upper

74 100

45 84.8 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

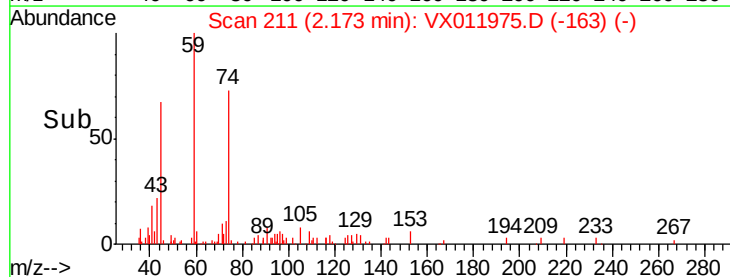
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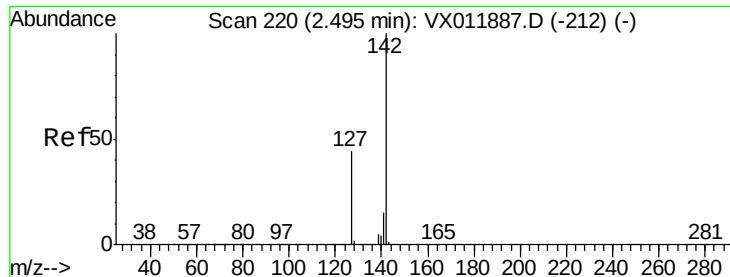
1000

500

0

Time-->

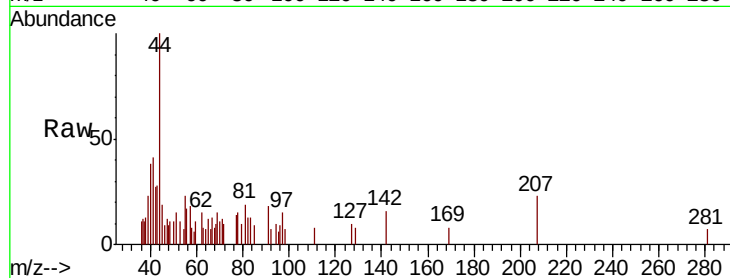




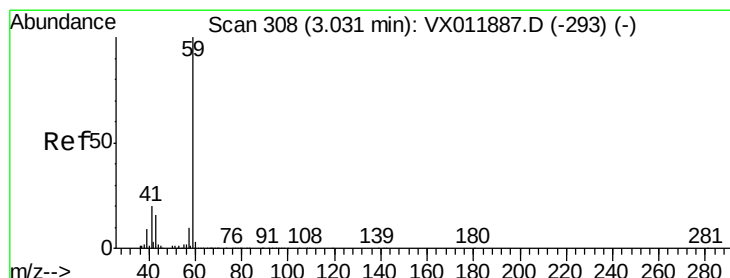
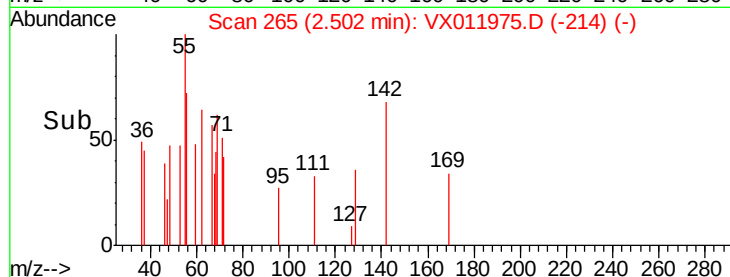
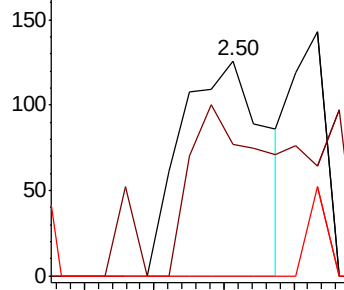
#10
Methyl Iodide
Concen: 3.732 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011975.D
Acq: 01 Sep 2019 03:33

Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-G3-(1.9)

Tgt Ion:142 Resp: 212
Ion Ratio Lower Upper
142 100
127 67.9 35.7 53.5#
141 0.0 11.8 17.6#

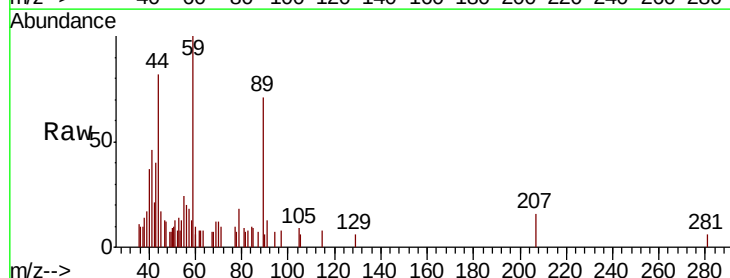


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

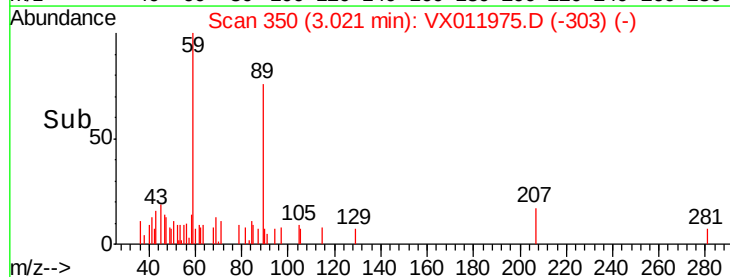
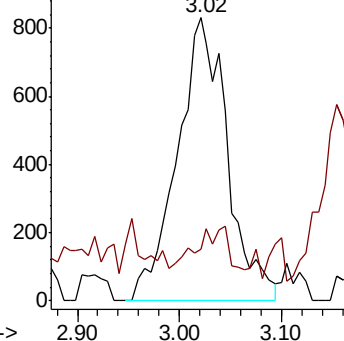


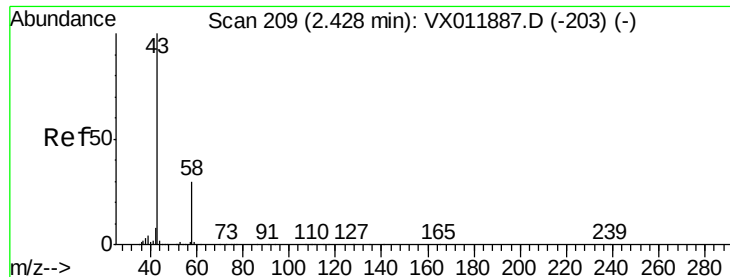
#11
Tert butyl alcohol
Concen: 7.235 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX011975.D
Acq: 01 Sep 2019 03:33

Tgt Ion: 59 Resp: 2833
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



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





#16

Acetone

Concen: 2.947 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011975.D

Acq: 01 Sep 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

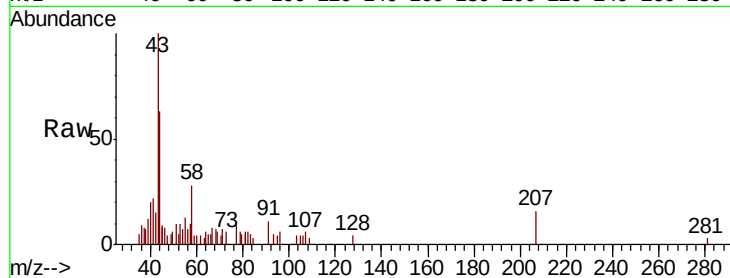
T9-12-13-G3-(1.9)

Tgt Ion: 43 Resp: 2581

Ion Ratio Lower Upper

43 100

58 26.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

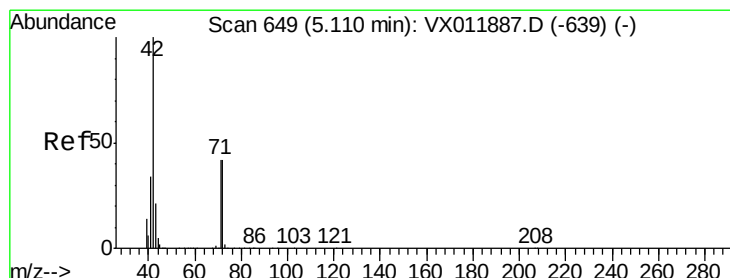
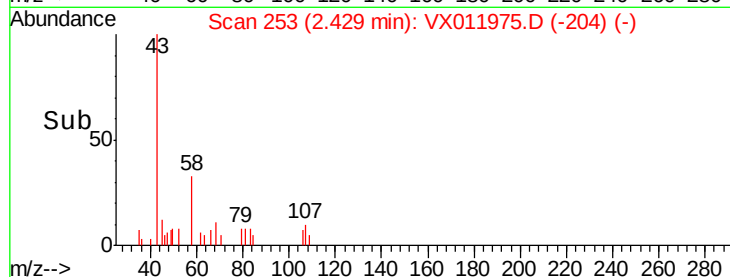
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#29

Tetrahydrofuran

Concen: 6.035 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX011975.D

Acq: 01 Sep 2019 03:33

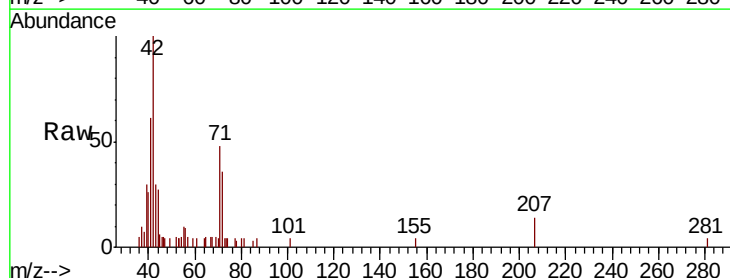
Tgt Ion: 42 Resp: 4804

Ion Ratio Lower Upper

42 100

72 47.3 36.2 54.4

71 46.6 33.1 49.7



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

2000

1500

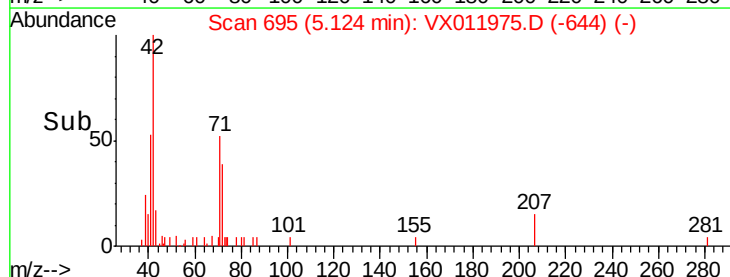
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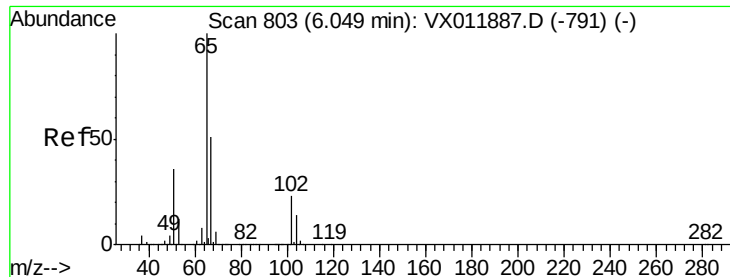
500

0

5.00 5.10 5.20

Time-->

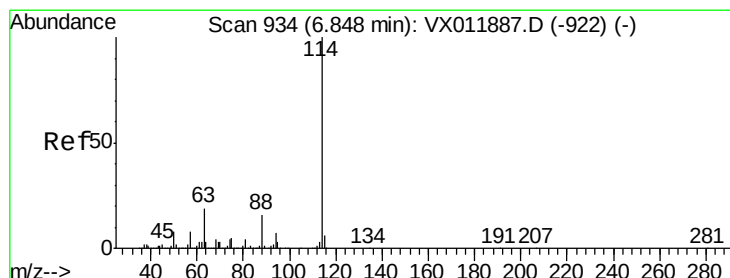
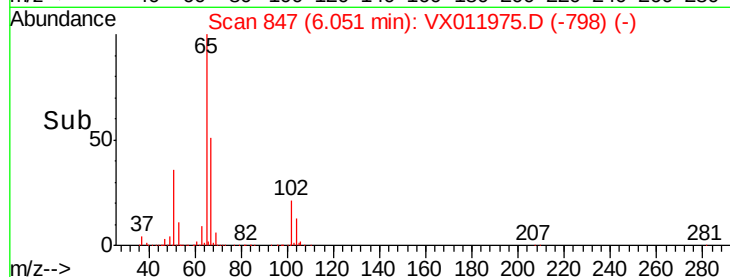
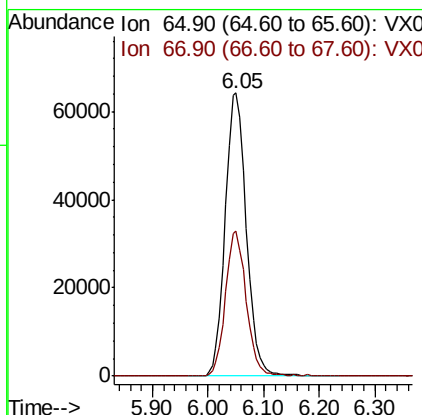
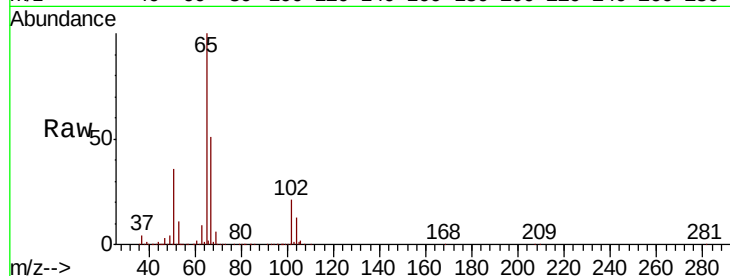




#33
 1,2-Dichloroethane-d4
 Concen: 41.632 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX011975.D
 Acq: 01 Sep 2019 03:33

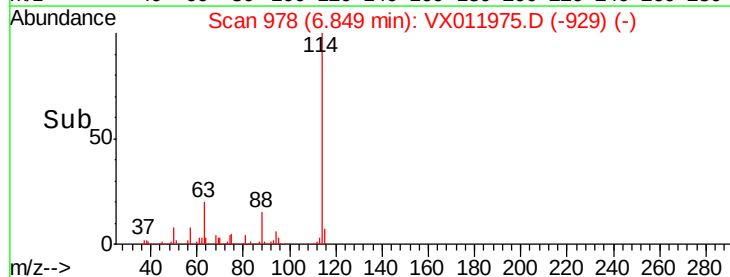
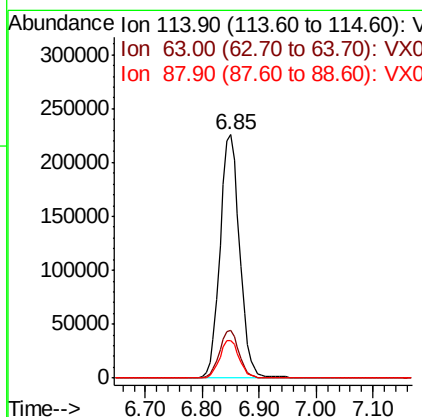
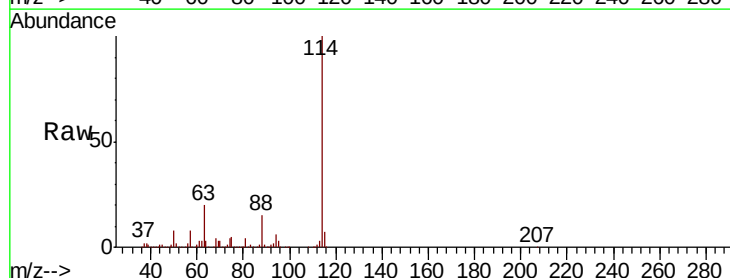
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-G3-(1.9)

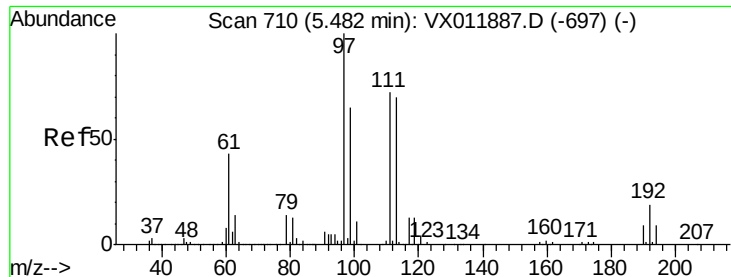
Tgt Ion: 65 Resp: 169438
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX011975.D
 Acq: 01 Sep 2019 03:33

Tgt Ion: 114 Resp: 539504
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.8
 88 15.3 0.0 31.2

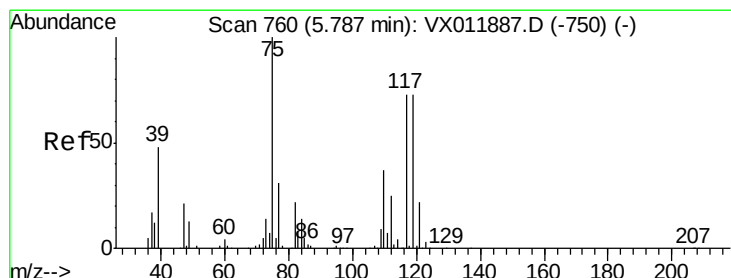
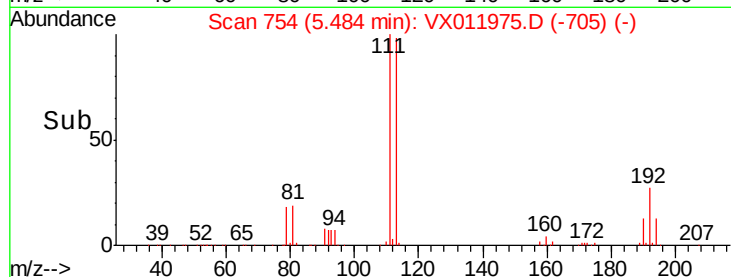
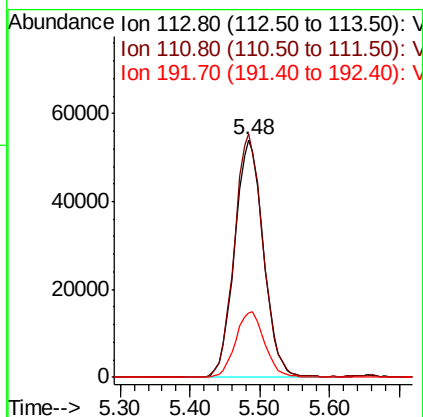
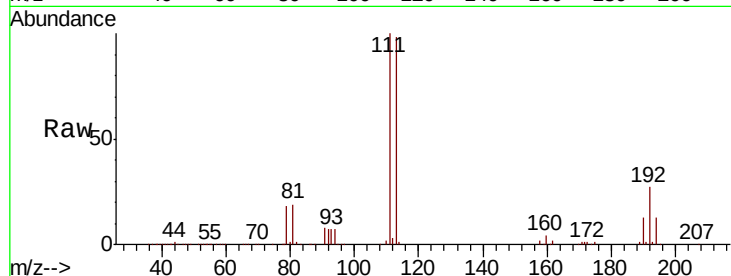




#35
 Dibromofluoromethane
 Concen: 44.700 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX011975.D
 Acq: 01 Sep 2019 03:33

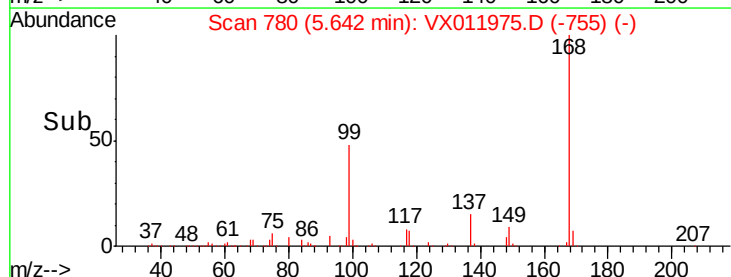
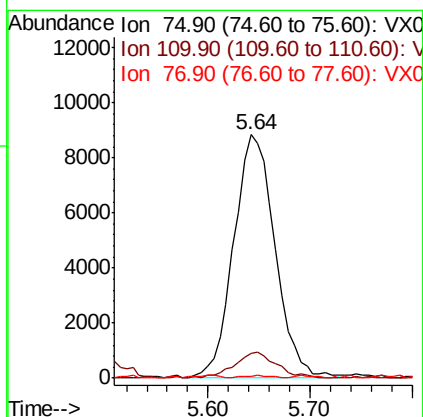
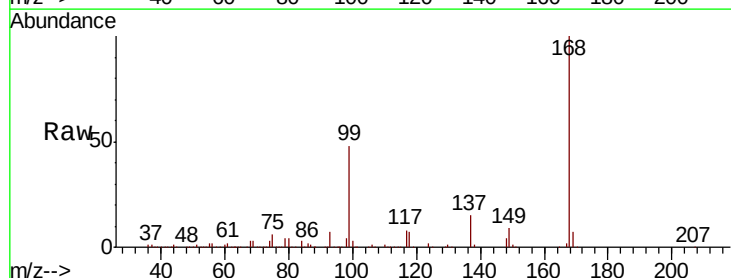
Instrument :
 MSVOA_X
 ClientSampleId :
 T9-12-13-G3-(1.9)

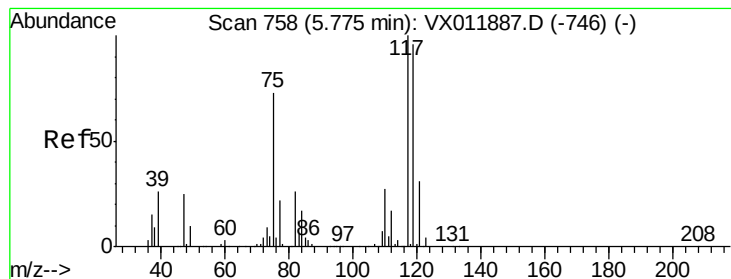
Tgt Ion:113 Resp: 154640
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.1 123.1
 192 27.8 21.5 32.3



#36
 1,1-Dichloropropene
 Concen: 5.825 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.14 min
 Lab File: VX011975.D
 Acq: 01 Sep 2019 03:33

Tgt Ion: 75 Resp: 24895
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.1 57.3#
 77 0.8 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 7.173 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX011975.D

Acq: 01 Sep 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

T9-12-13-G3-(1.9)

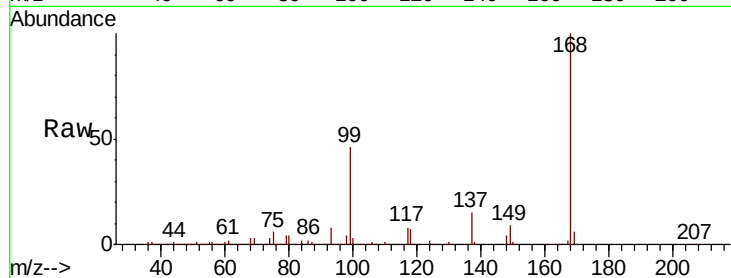
Tgt Ion:117 Resp: 35557

Ion Ratio Lower Upper

117 100

119 4.7 76.6 114.8#

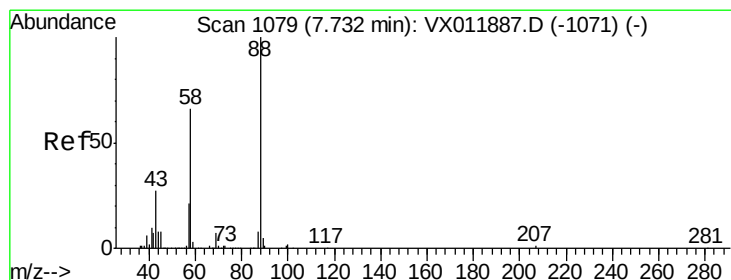
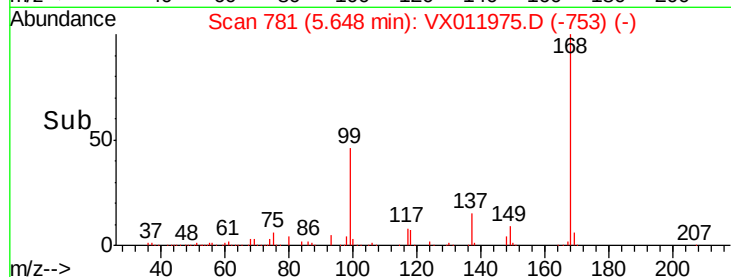
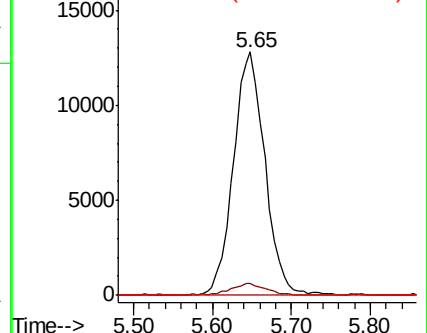
121 0.0 24.7 37.1#



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: 1.981 ug/l

RT: 7.77 min Scan# 1129

Delta R.T. 0.04 min

Lab File: VX011975.D

Acq: 01 Sep 2019 03:33

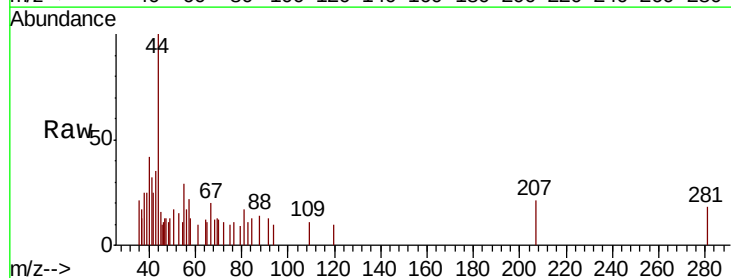
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 161.8 27.3 40.9#

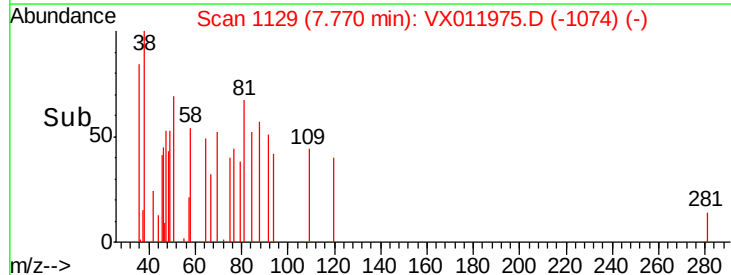
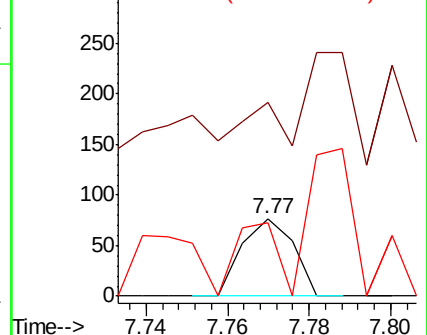
58 261.8 53.9 80.9#

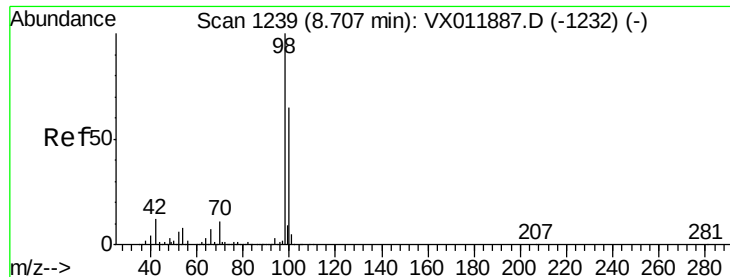


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

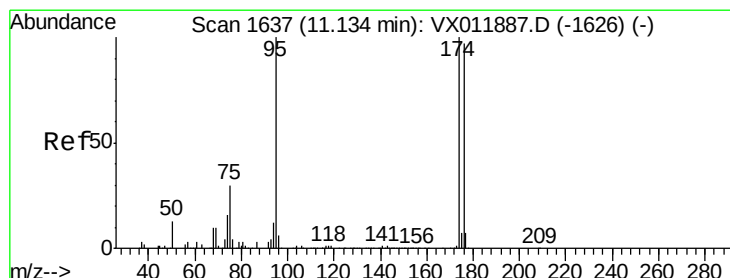
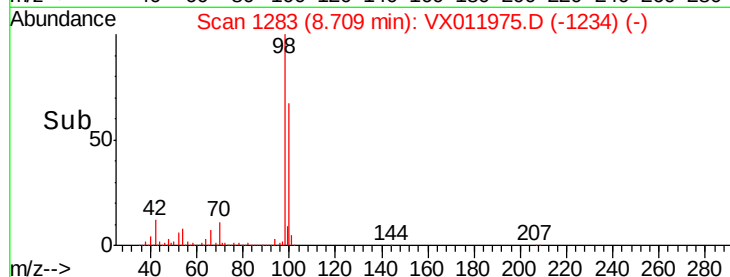
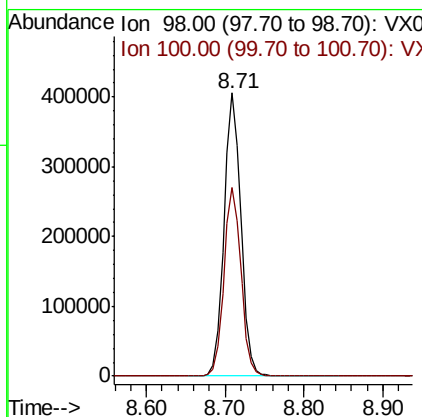
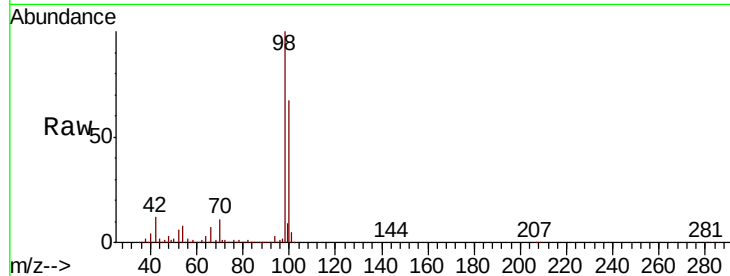




#50
Toluene-d8
Concen: 48.721 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX011975.D
Acq: 01 Sep 2019 03:33

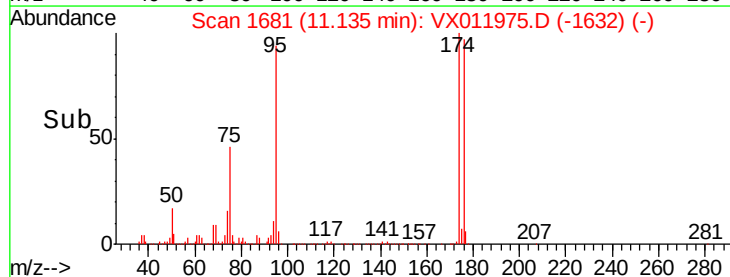
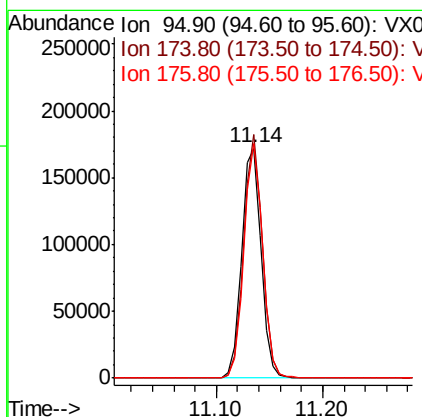
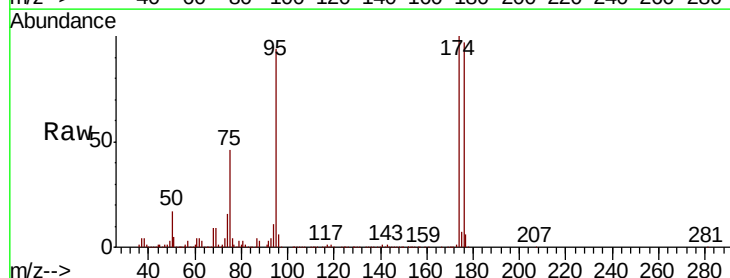
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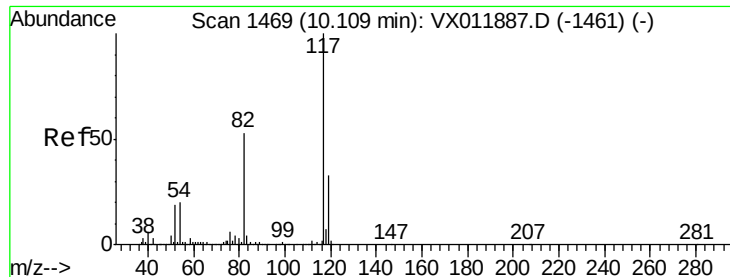
Tgt Ion: 98 Resp: 602523
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 40.630 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX011975.D
Acq: 01 Sep 2019 03:33

Tgt Ion: 95 Resp: 220410
Ion Ratio Lower Upper
95 100
174 102.0 0.0 196.0
176 98.9 0.0 191.4

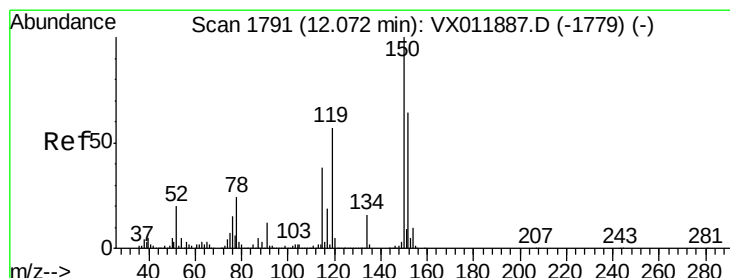
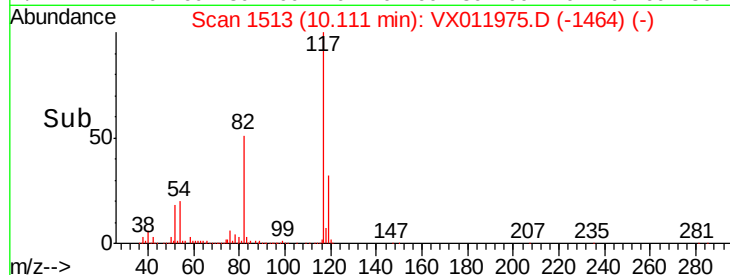
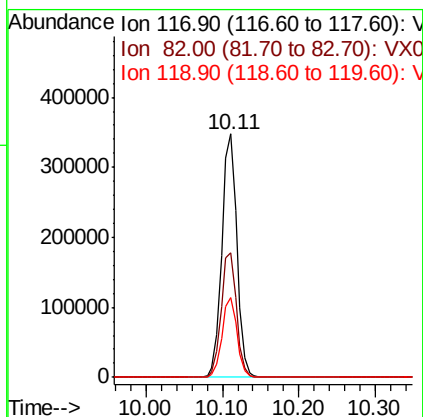
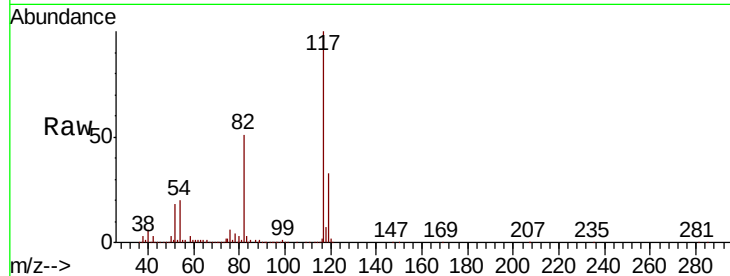




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX011975.D
Acq: 01 Sep 2019 03:33

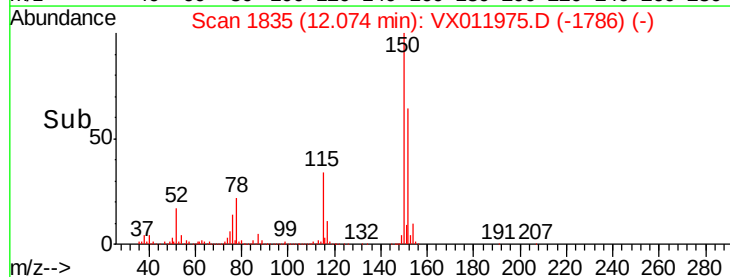
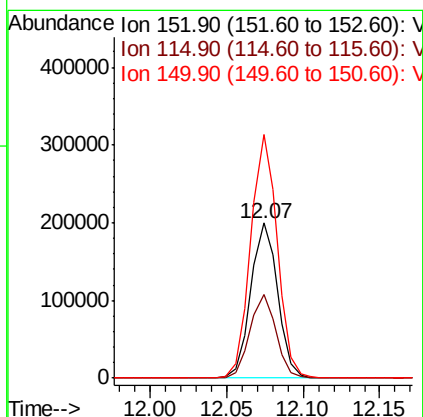
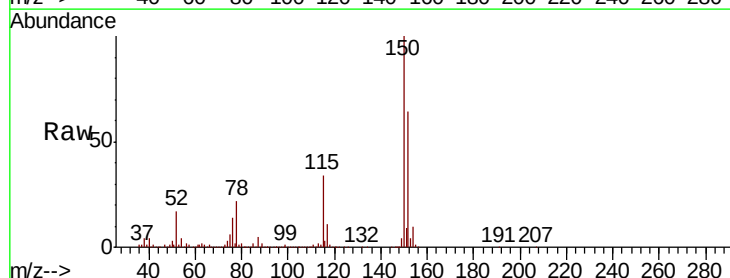
Instrument :
MSVOA_X
ClientSampleId :
T9-12-13-G3-(1.9)

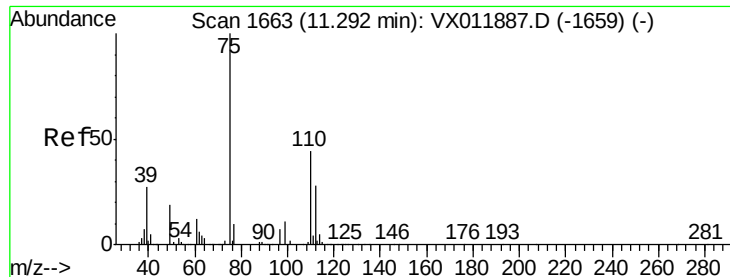
Tgt Ion:117 Resp: 473233
Ion Ratio Lower Upper
117 100
82 51.1 42.0 63.0
119 32.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX011975.D
Acq: 01 Sep 2019 03:33

Tgt Ion:152 Resp: 243463
Ion Ratio Lower Upper
152 100
115 52.7 37.1 111.3
150 156.0 0.0 339.6





#76

1,2,3-Trichloropropane

Concen: 45.855 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX011975.D

Acq: 01 Sep 2019 03:33

Instrument :

MSVOA_X

ClientSampleId :

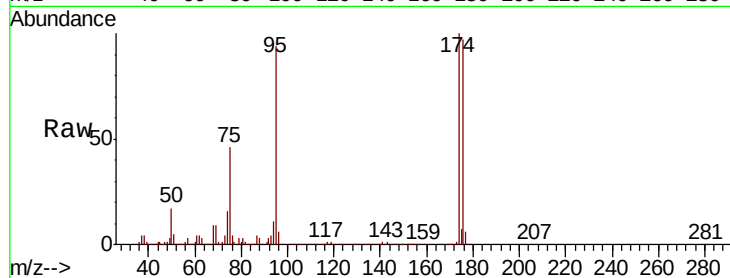
T9-12-13-G3-(1.9)

Tgt Ion: 75 Resp: 109820

Ion Ratio Lower Upper

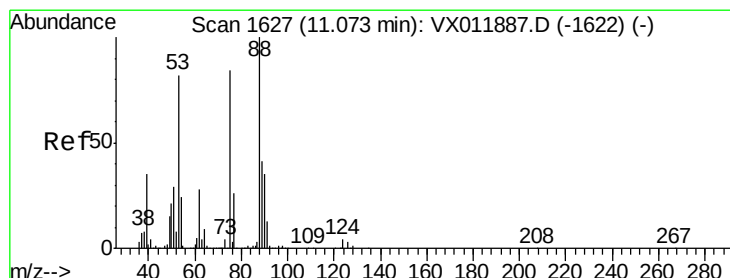
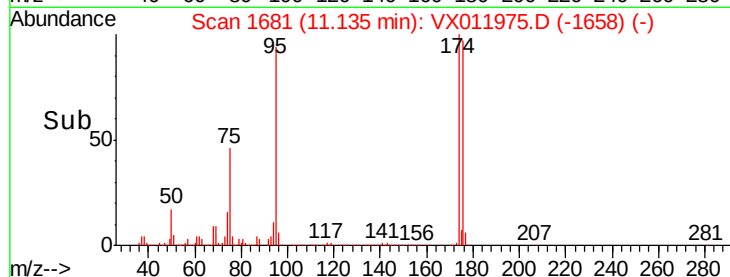
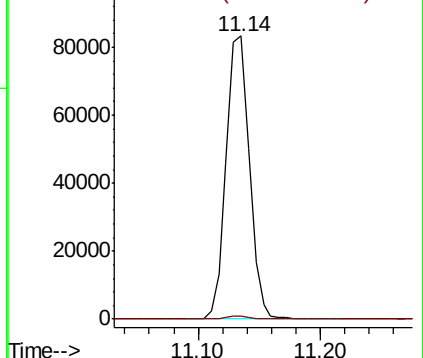
75 100

77 1.3 20.9 62.7#



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: 115.195 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.06 min

Lab File: VX011975.D

Acq: 01 Sep 2019 03:33

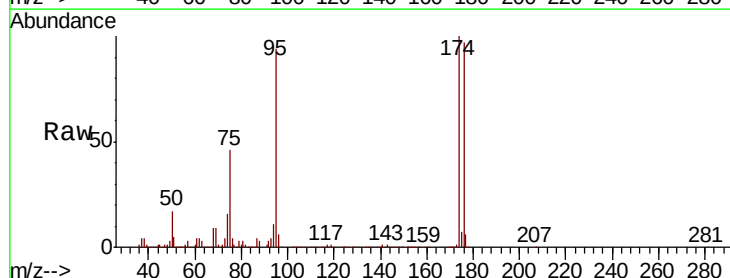
Tgt Ion: 75 Resp: 109820

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

