

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012085.D
 Acq On : 05 Sep 2019 07:33
 Operator : SY/SP
 Sample : K4548-03
 Misc : 6.24g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T8-S-G1-(0)

Quant Time: Sep 05 08:06:02 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	154484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272344	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100246	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	104799	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	5.48	113	80099	47.82	ug/l	0.00
Spiked Amount			Recovery	=	95.64%	
50) Toluene-d8	8.71	98	322266	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	11.14	95	127432	44.58	ug/l	0.00
Spiked Amount			Recovery	=	89.16%	

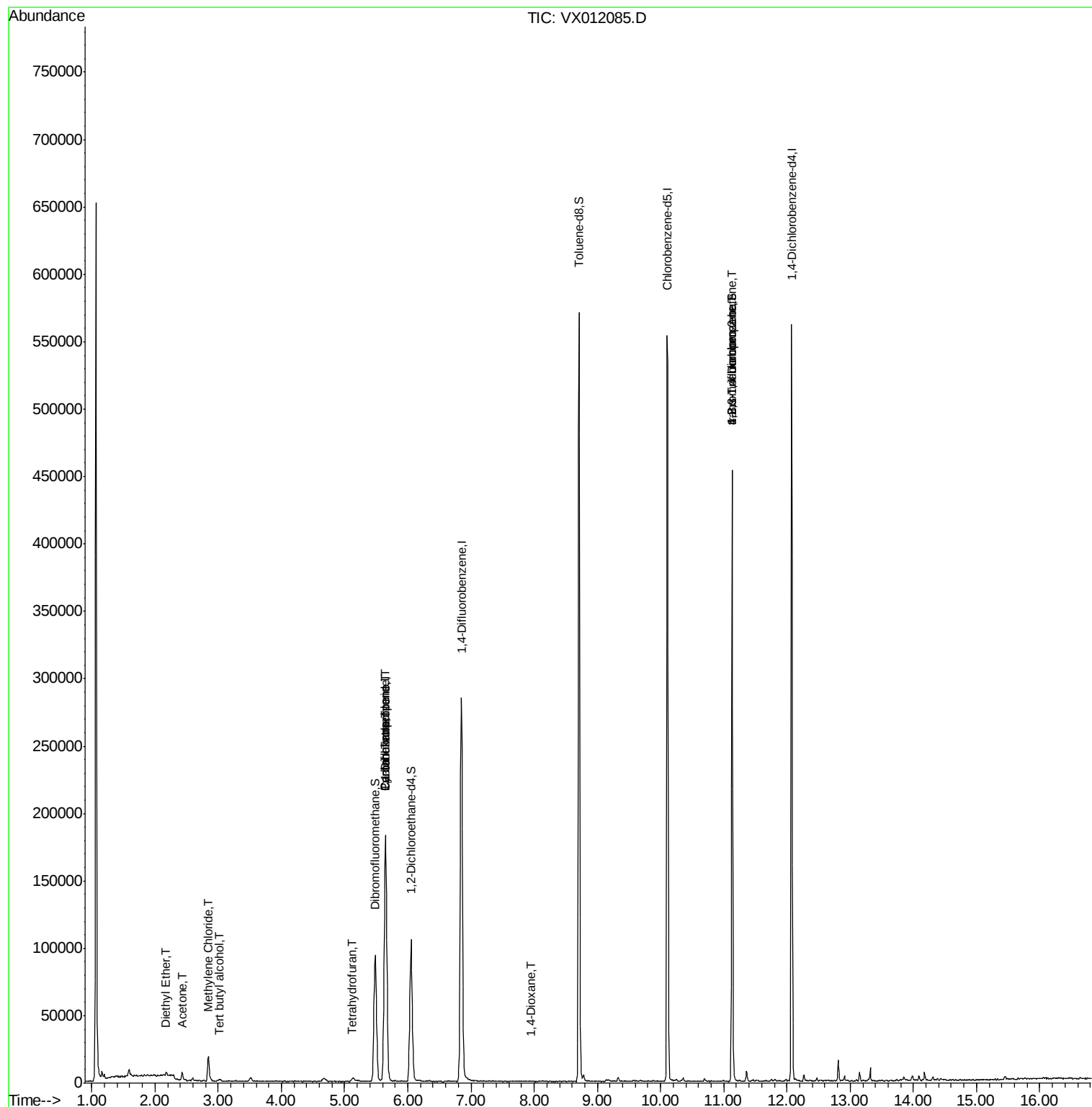
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	932	1.265	ug/l	76
11) Tert butyl alcohol	3.03	59	1149	5.612	ug/l #	47
13) Acrolein	2.26	56	135	Below Cal	#	18
16) Acetone	2.43	43	5977	11.731	ug/l	96
20) Methylene Chloride	2.84	84	8782	4.292	ug/l #	90
29) Tetrahydrofuran	5.12	42	2882	7.376	ug/l	92
31) Cyclohexane	5.65	56	4543	1.738	ug/l #	29
36) 1,1-Dichloropropene	5.65	75	14764	6.155	ug/l #	48
38) Carbon Tetrachloride	5.65	117	17659	6.987	ug/l #	16
49) 1,4-Dioxane	7.96	88	22	1.210	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	67246	54.901	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	67246	129.795	ug/l #	10

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

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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: VX012085.D

Acq: 05 Sep 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

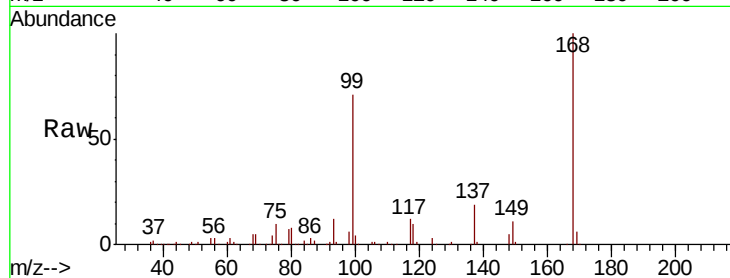
T8-S-G1-(0)

Tgt Ion:168 Resp: 154484

Ion Ratio Lower Upper

168 100

99 70.7 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

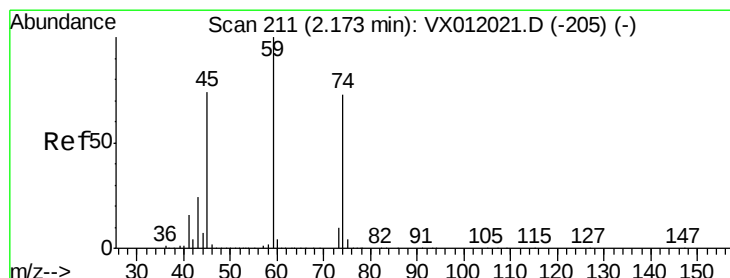
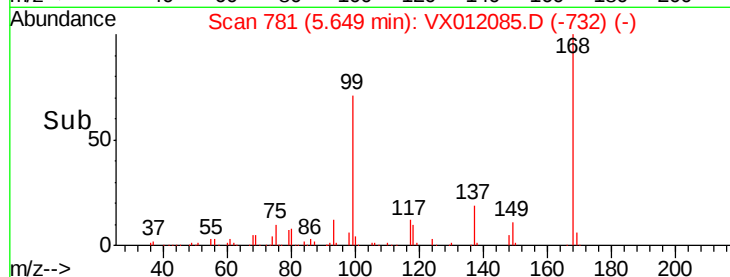
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.265 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012085.D

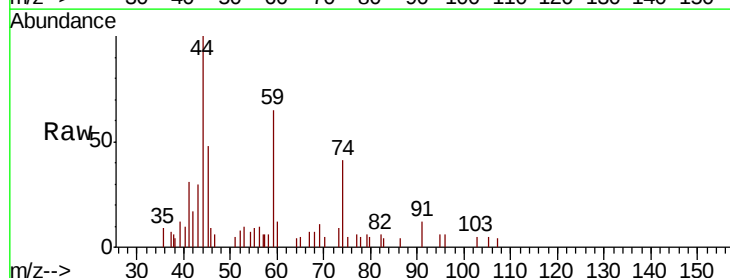
Acq: 05 Sep 2019 07:33

Tgt Ion: 74 Resp: 932

Ion Ratio Lower Upper

74 100

45 114.2 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

600

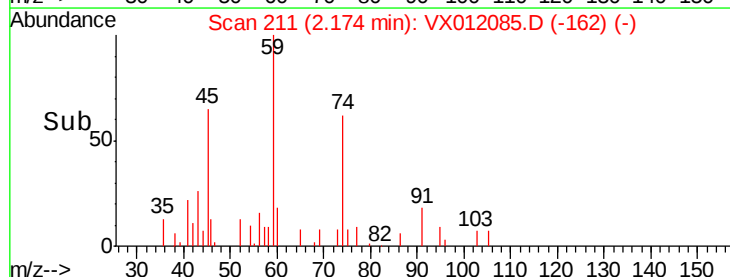
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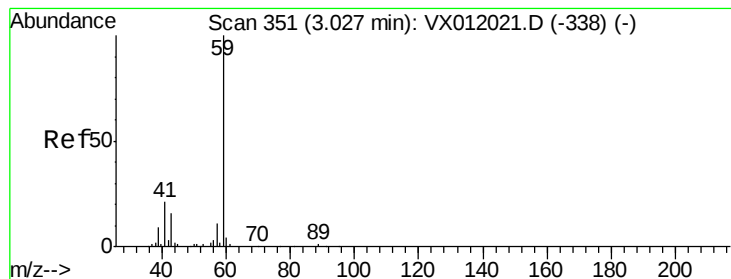
200

0

Time-->

2.15 2.20



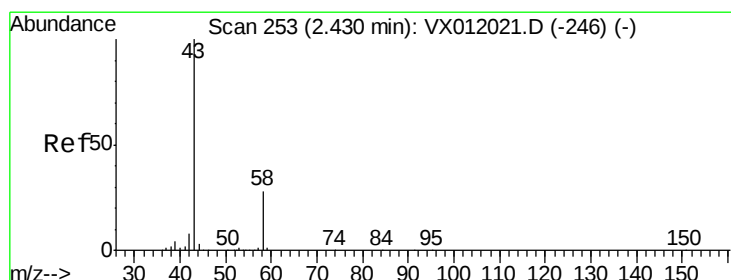
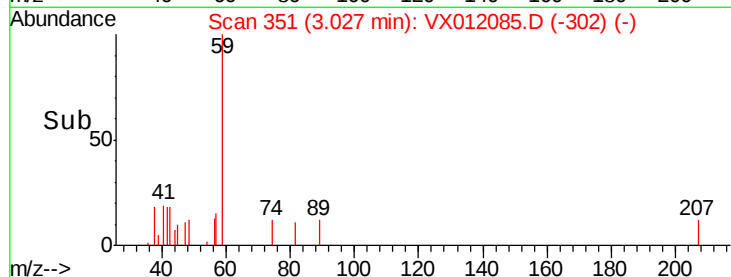
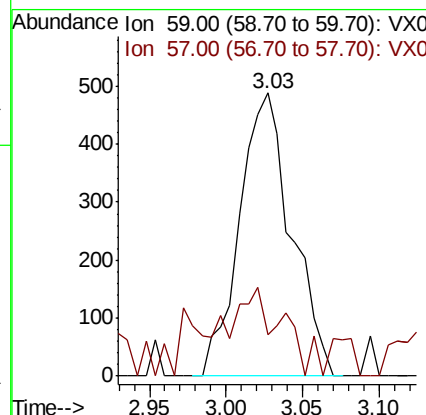
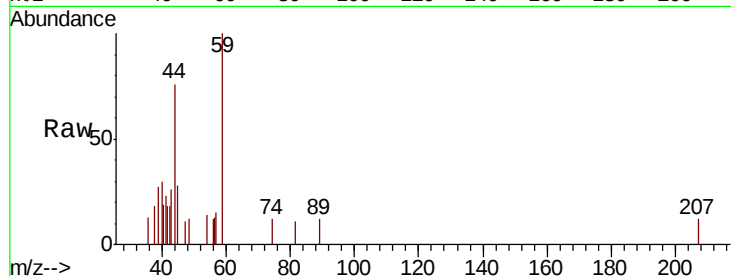


#11

Tert butyl alcohol
 Concen: 5.612 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012085.D
 Acq: 05 Sep 2019 07:33

Instrument :
 MSVOA_X
 ClientSampled :
 T8-S-G1-(0)

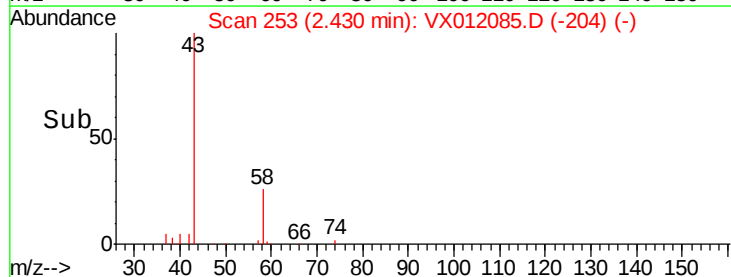
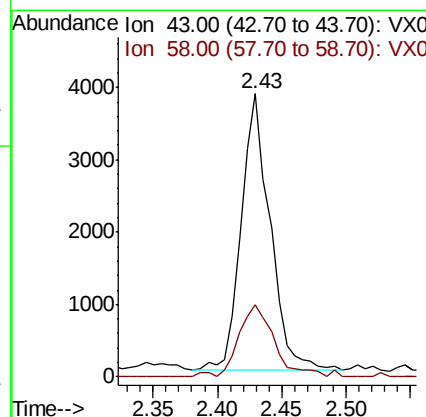
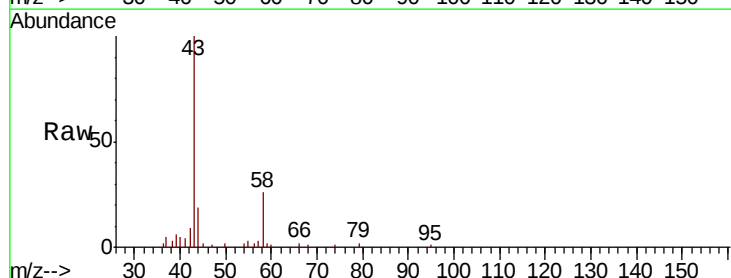
Tgt Ion: 59 Resp: 1149
 Ion Ratio Lower Upper
 59 100
 57 29.3 7.9 11.9#

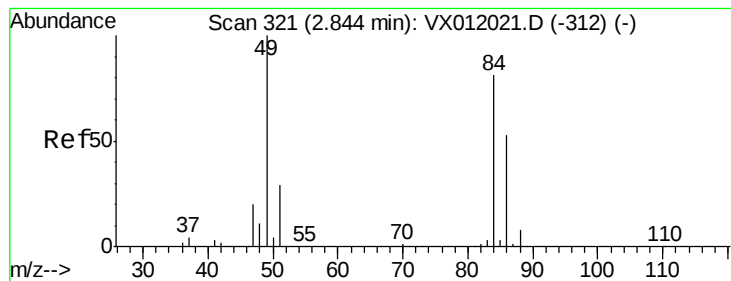


#16

Acetone
 Concen: 11.731 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012085.D
 Acq: 05 Sep 2019 07:33

Tgt Ion: 43 Resp: 5977
 Ion Ratio Lower Upper
 43 100
 58 26.2 22.8 34.2





#20

Methylene Chloride

Concen: 4.292 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012085.D

Acq: 05 Sep 2019 07:33

Instrument :

MSVOA_X

ClientSampled :

T8-S-G1-(0)

Tgt Ion: 84 Resp: 8782

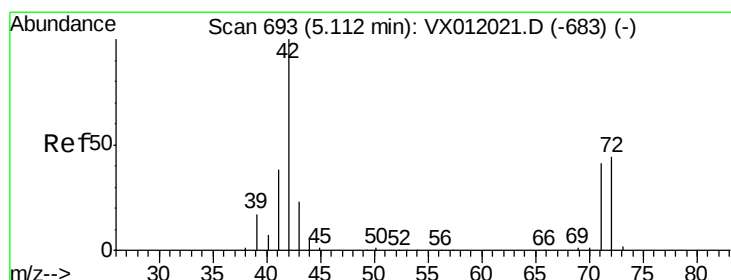
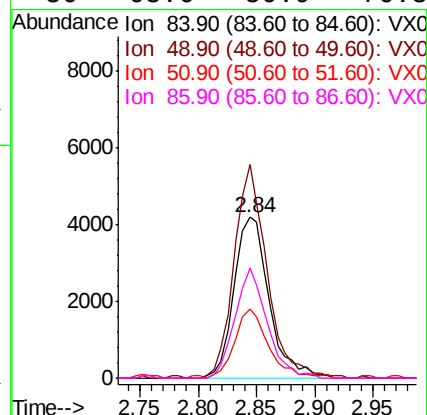
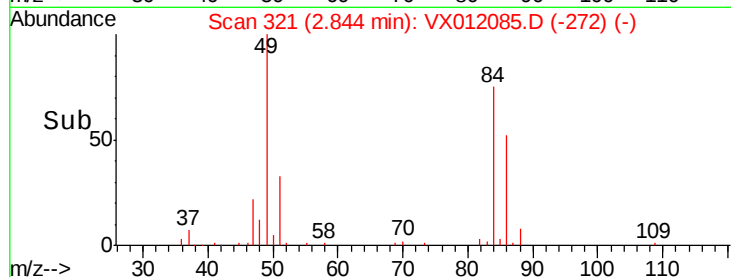
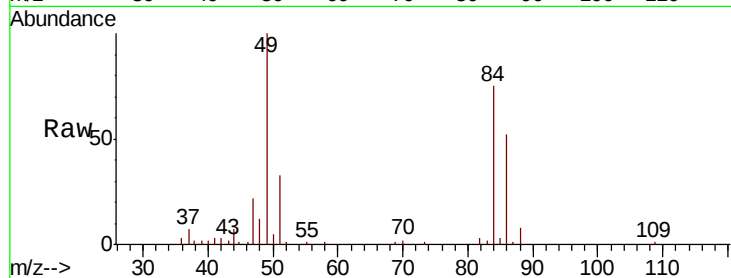
Ion Ratio Lower Upper

84 100

49 132.8 95.8 143.8

51 43.2 28.6 43.0#

86 68.6 50.9 76.3



#29

Tetrahydrofuran

Concen: 7.376 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012085.D

Acq: 05 Sep 2019 07:33

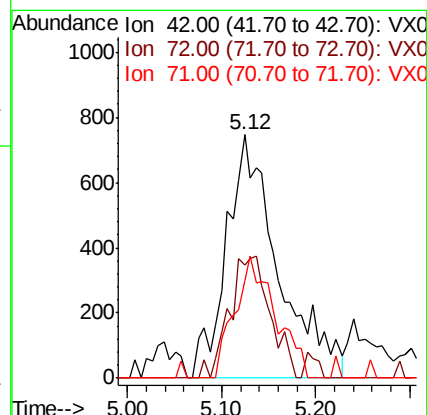
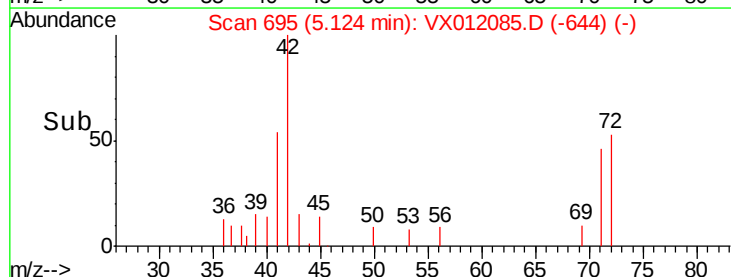
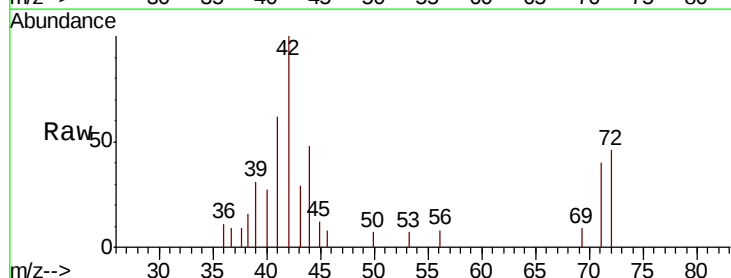
Tgt Ion: 42 Resp: 2882

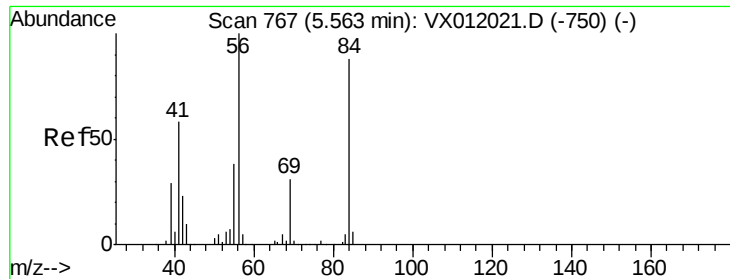
Ion Ratio Lower Upper

42 100

72 39.2 37.0 55.4

71 39.2 33.8 50.8

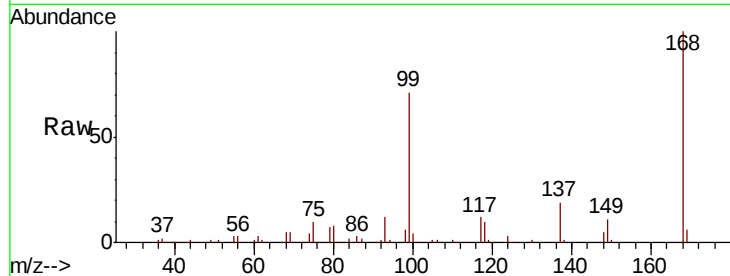




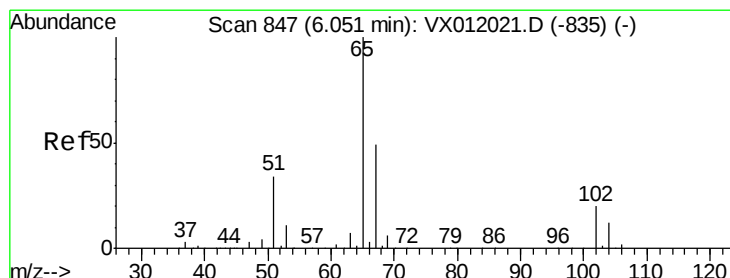
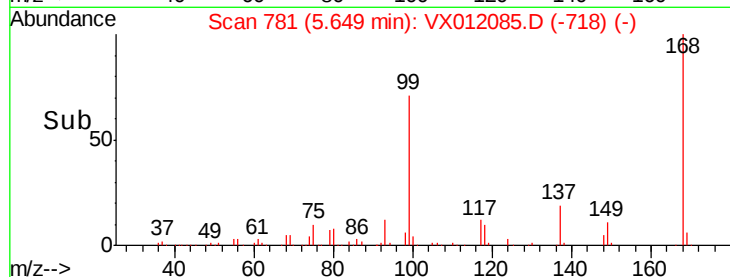
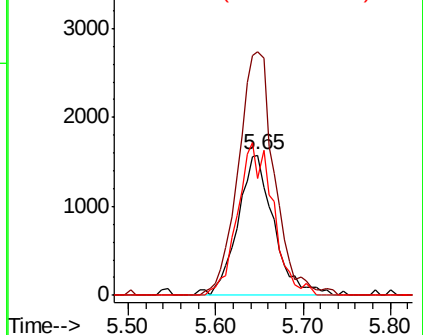
#31
Cyclohexane
Concen: 1.738 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012085.D
Acq: 05 Sep 2019 07:33

Instrument :
MSVOA_X
ClientSampleId :
T8-S-G1-(0)

Tgt Ion: 56 Resp: 4543
Ion Ratio Lower Upper
56 100
69 173.5 25.7 38.5#
84 83.3 70.3 105.5

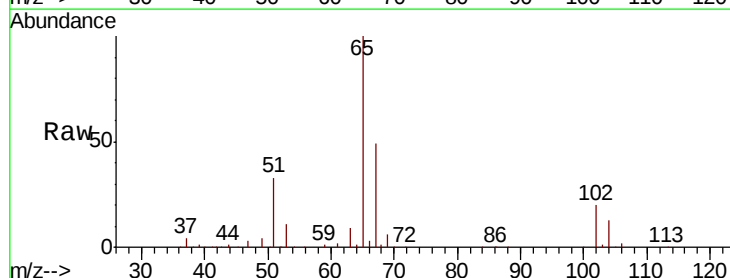


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

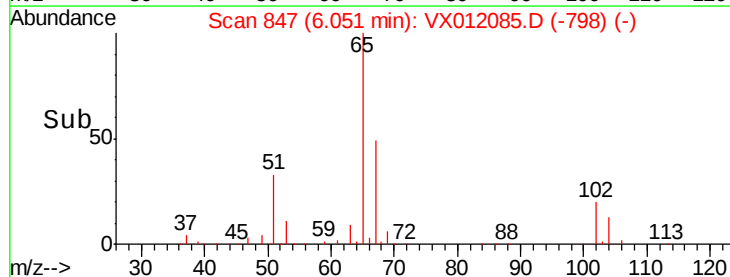
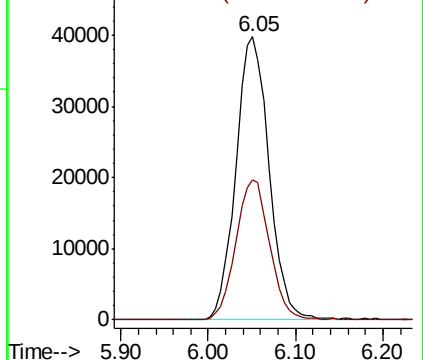


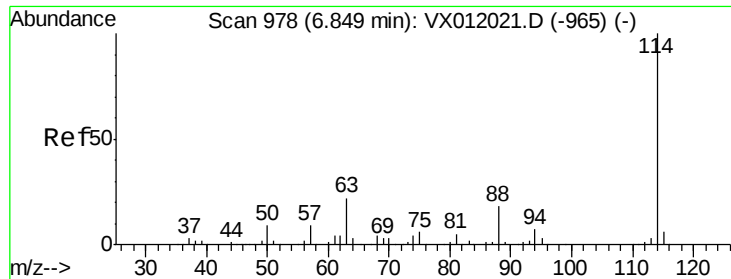
#33
1,2-Dichloroethane-d4
Concen: 49.165 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012085.D
Acq: 05 Sep 2019 07:33

Tgt Ion: 65 Resp: 104799
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

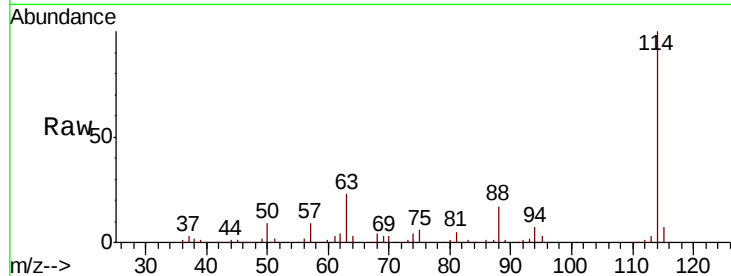




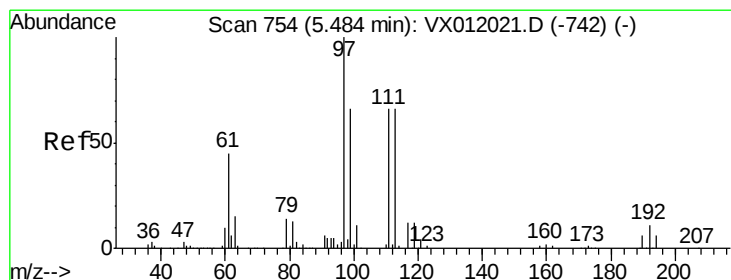
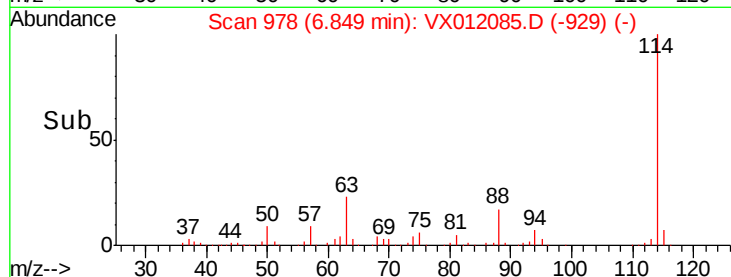
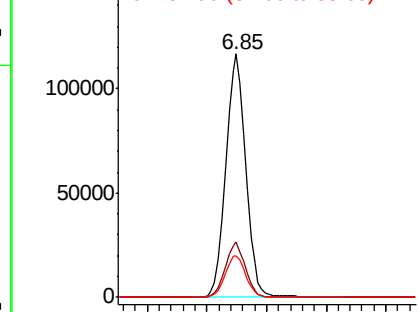
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012085.D
 Acq: 05 Sep 2019 07:33

Instrument :
 MSVOA_X
 ClientSampleId :
 T8-S-G1-(0)

Tgt Ion:114 Resp: 272344
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 37.4
 88 16.9 0.0 29.6

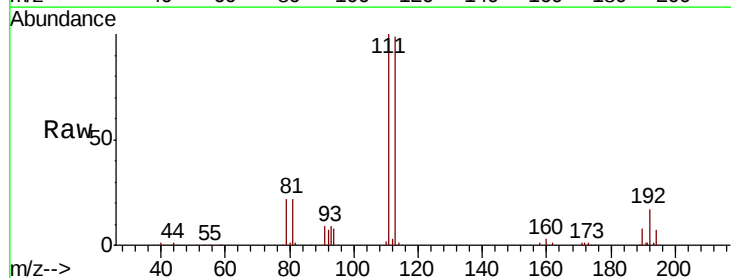


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

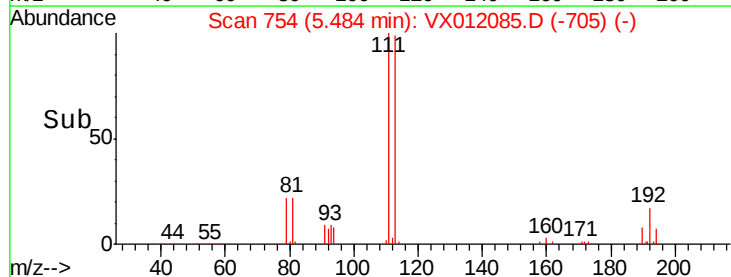
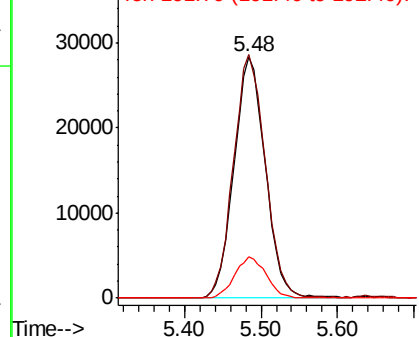


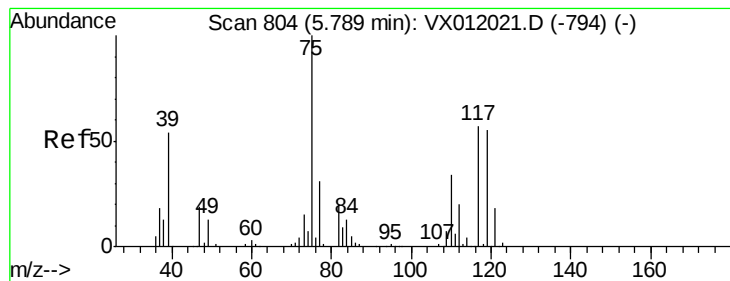
#35
 Dibromofluoromethane
 Concen: 47.825 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012085.D
 Acq: 05 Sep 2019 07:33

Tgt Ion:113 Resp: 80099
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 17.1 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: 6.155 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012085.D

Acq: 05 Sep 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G1-(0)

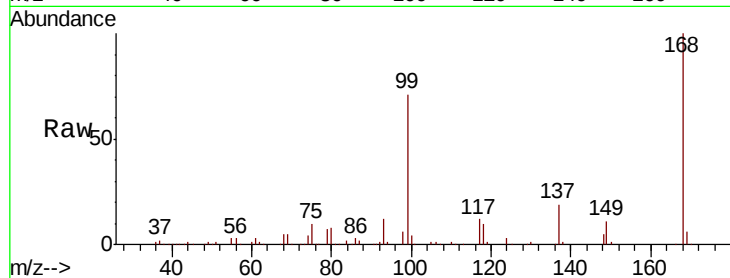
Tgt Ion: 75 Resp: 14764

Ion Ratio Lower Upper

75 100

110 8.8 19.5 58.5#

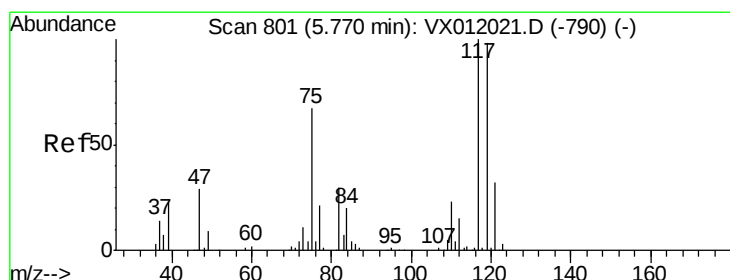
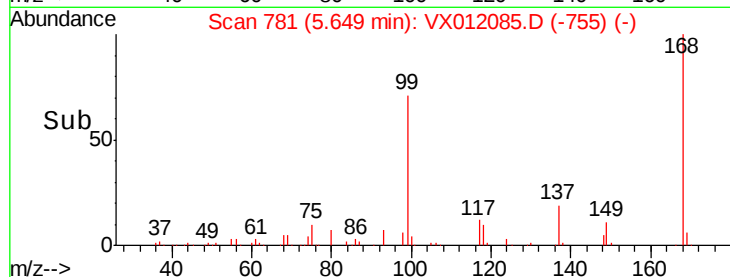
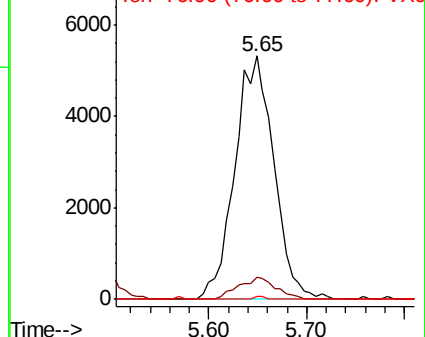
77 0.3 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VX012021.D (-794) (-)

Ion 109.90 (109.60 to 110.60): VX012021.D (-794) (-)

Ion 76.90 (76.60 to 77.60): VX012021.D (-794) (-)



#38

Carbon Tetrachloride

Concen: 6.987 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012085.D

Acq: 05 Sep 2019 07:33

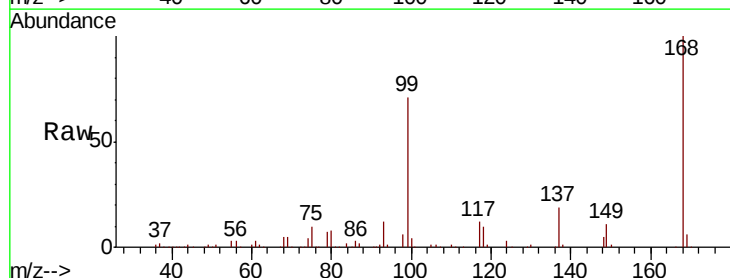
Tgt Ion: 117 Resp: 17659

Ion Ratio Lower Upper

117 100

119 6.8 78.3 117.5#

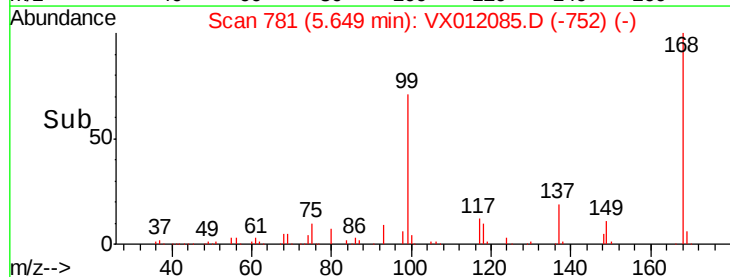
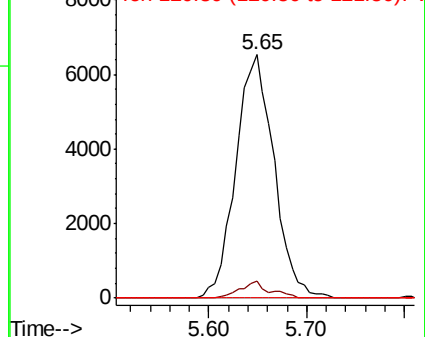
121 0.0 24.2 36.2#

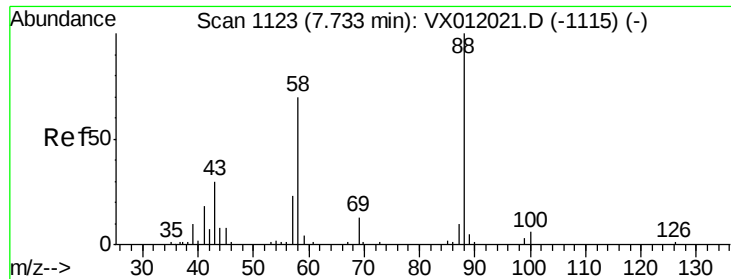


Abundance Ion 116.80 (116.50 to 117.50): VX012021.D (-790) (-)

Ion 118.80 (118.50 to 119.50): VX012021.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX012021.D (-790) (-)

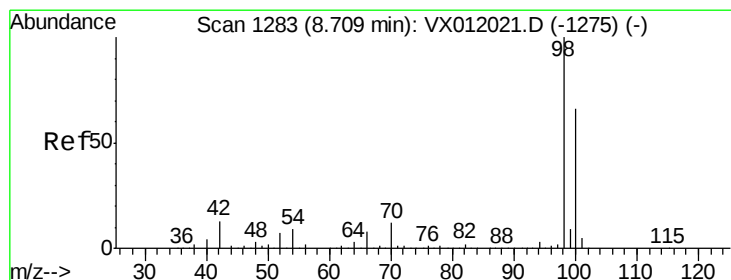
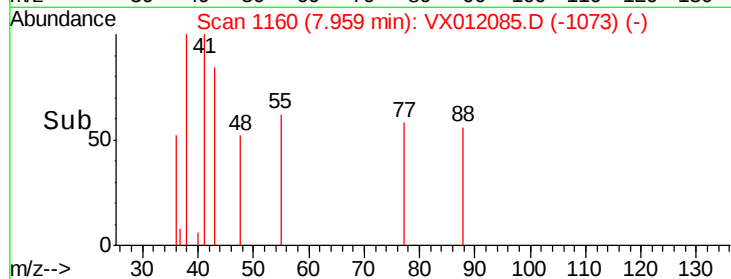
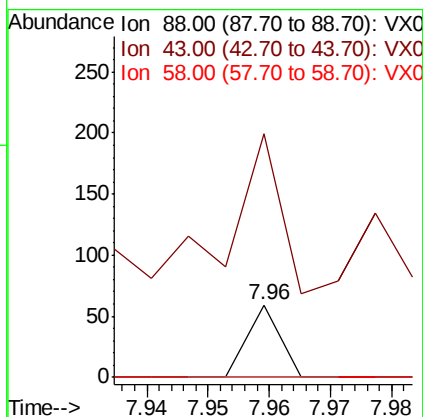
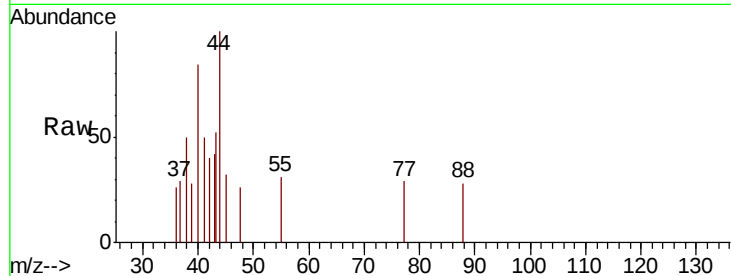




#49
1,4-Dioxane
Concen: 1.210 ug/l
RT: 7.96 min Scan# 1160
Delta R.T. 0.23 min
Lab File: VX012085.D
Acq: 05 Sep 2019 07:33

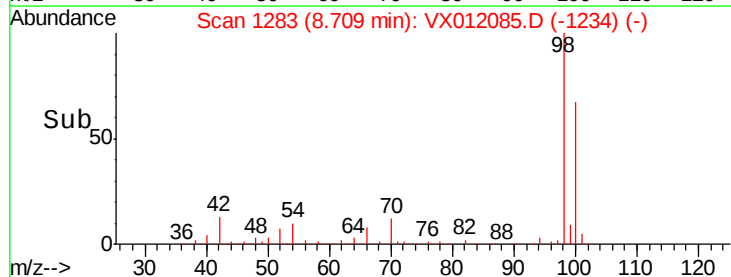
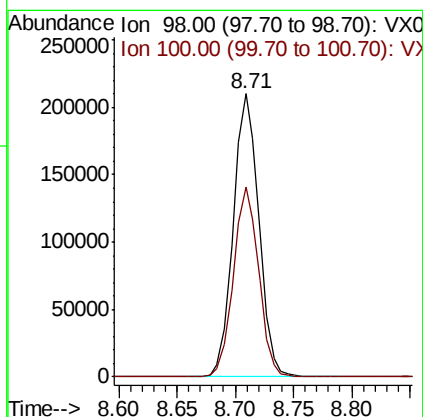
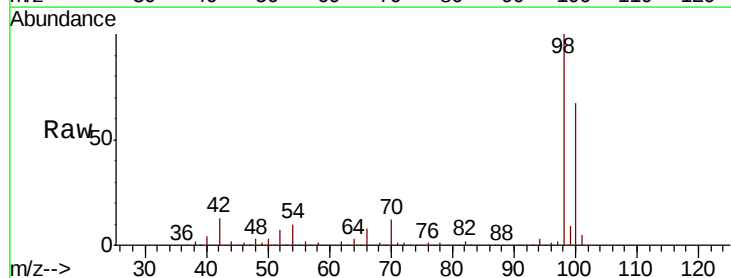
Instrument :
MSVOA_X
ClientSampled :
T8-S-G1-(0)

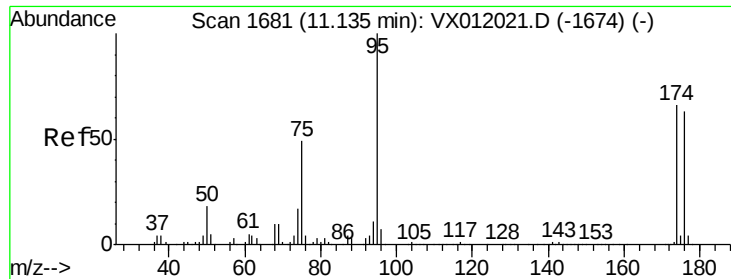
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 468.2 29.8 44.6#
58 0.0 55.4 83.2#



#50
Toluene-d8
Concen: 52.436 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012085.D
Acq: 05 Sep 2019 07:33

Tgt Ion: 98 Resp: 322266
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 44.585 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012085.D

Acq: 05 Sep 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G1-(0)

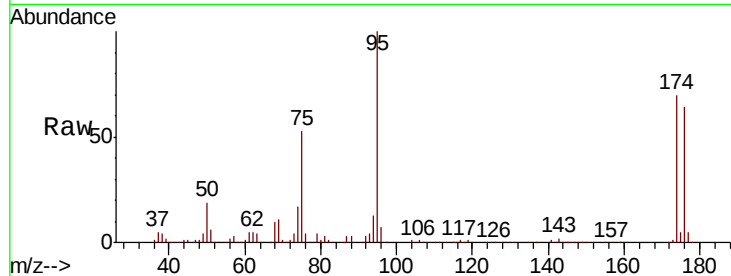
Tgt Ion: 95 Resp: 127432

Ion Ratio Lower Upper

95 100

174 63.6 0.0 205.4

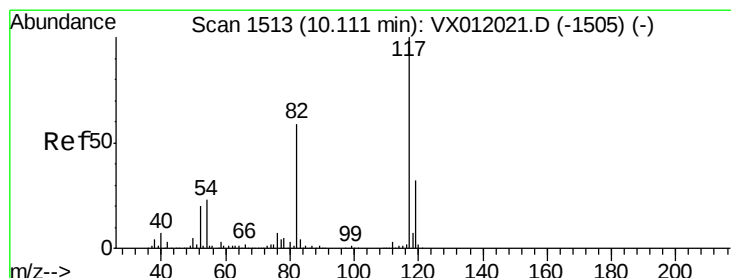
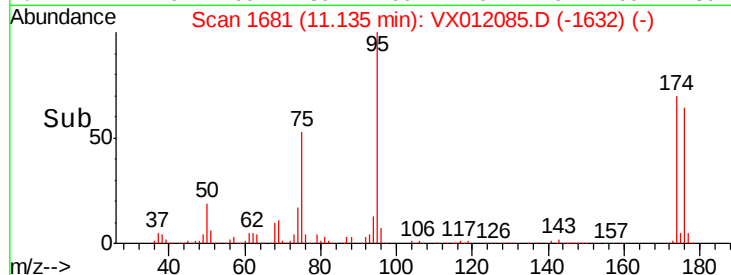
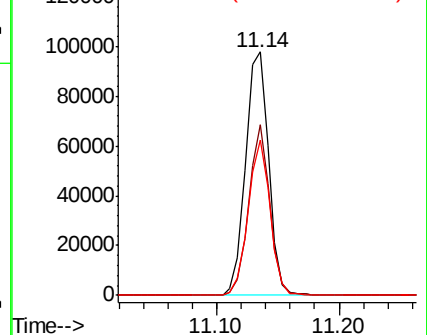
176 60.7 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012085.D

Acq: 05 Sep 2019 07:33

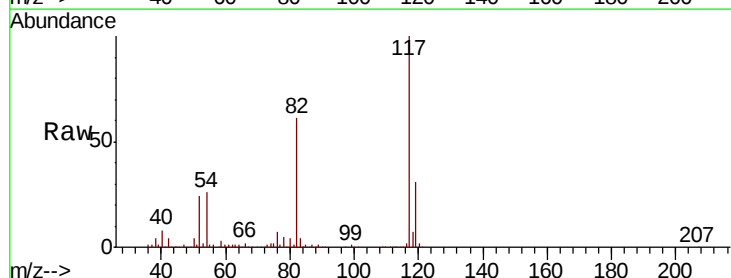
Tgt Ion: 117 Resp: 237283

Ion Ratio Lower Upper

117 100

82 60.7 39.4 59.0#

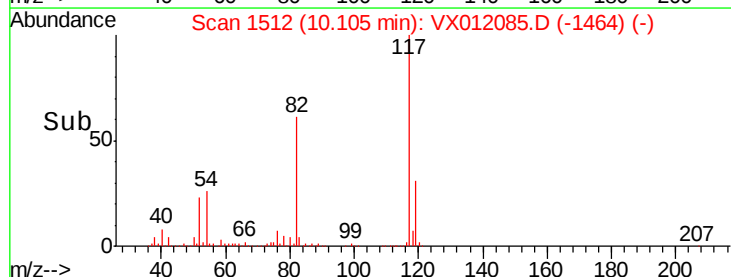
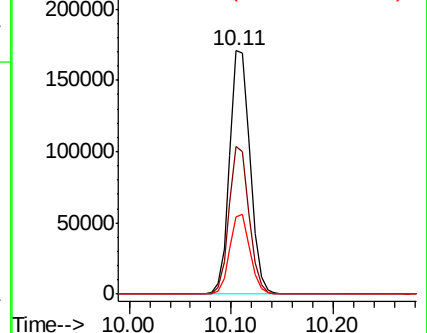
119 31.5 26.1 39.1

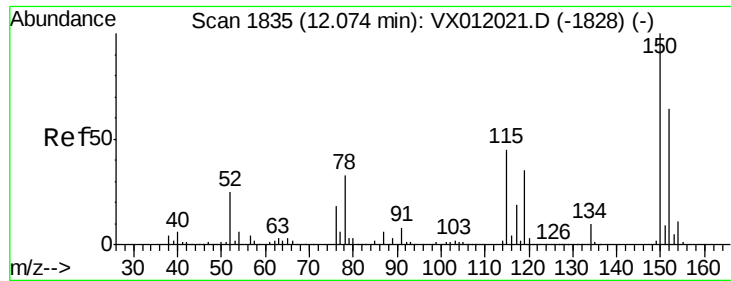


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012085.D

Acq: 05 Sep 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G1-(0)

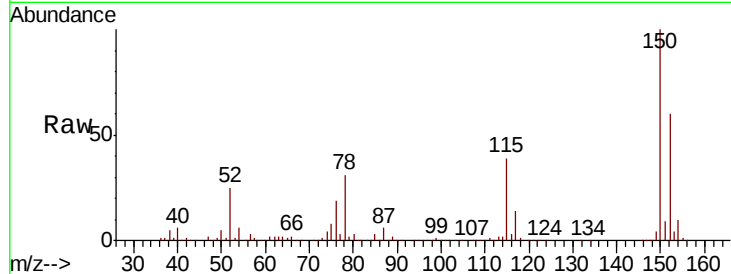
Tgt Ion:152 Resp: 100246

Ion Ratio Lower Upper

152 100

115 67.0 36.4 109.3

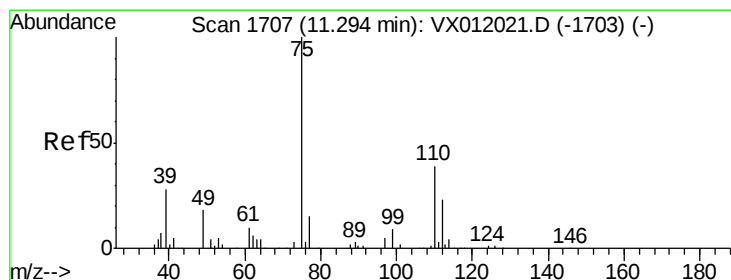
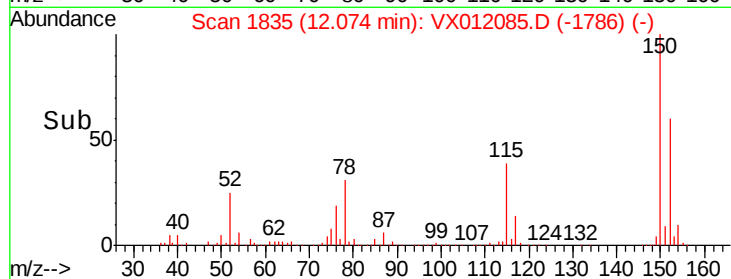
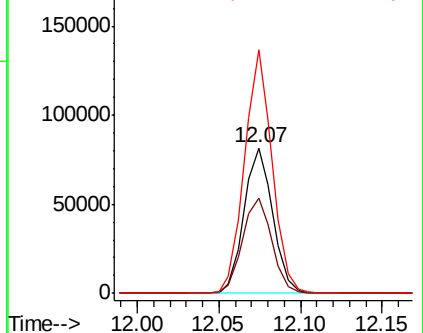
150 160.7 0.0 341.2



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: 54.901 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012085.D

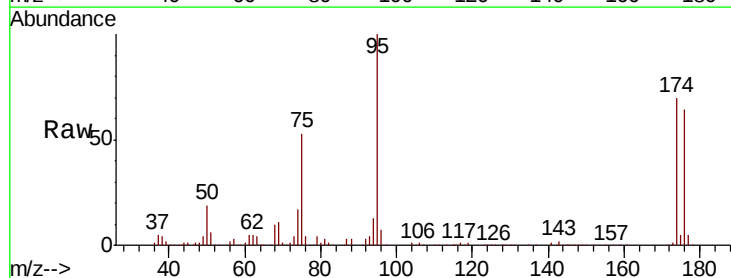
Acq: 05 Sep 2019 07:33

Tgt Ion: 75 Resp: 67246

Ion Ratio Lower Upper

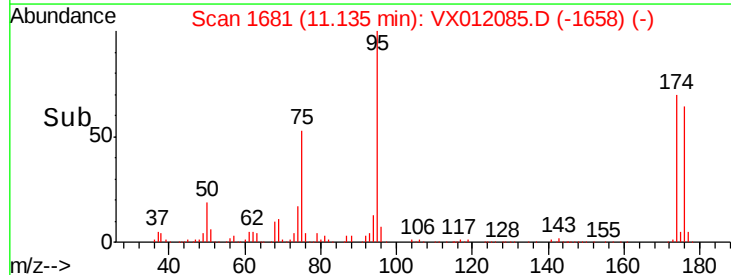
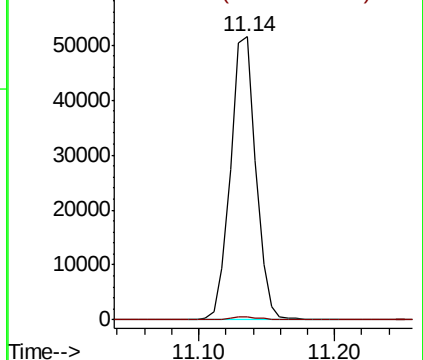
75 100

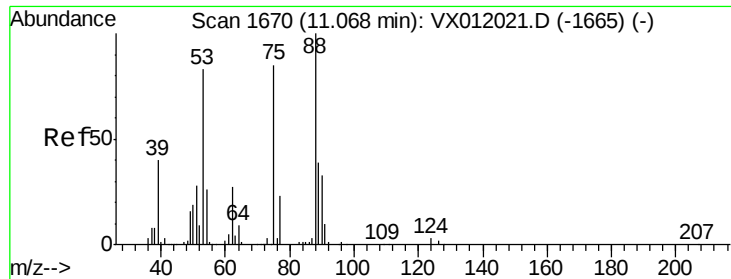
77 1.1 23.5 70.5#



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: 129.795 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012085.D

Acq: 05 Sep 2019 07:33

Instrument :

MSVOA_X

ClientSampleId :

T8-S-G1-(0)

Tgt Ion: 75 Resp: 67246

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

