

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012235.D
 Acq On : 08 Sep 2019 20:52
 Operator : SY/SP
 Sample : K4622-03
 Misc : 4.87g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A2-(0)

Quant Time: Sep 09 01:52:11 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	145539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	252921	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	222734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95774	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	99392	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	5.48	113	73889	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
50) Toluene-d8	8.71	98	300509	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
62) 4-Bromofluorobenzene	11.14	95	118696	44.72	ug/l	0.00
Spiked Amount			Recovery	=	89.44%	

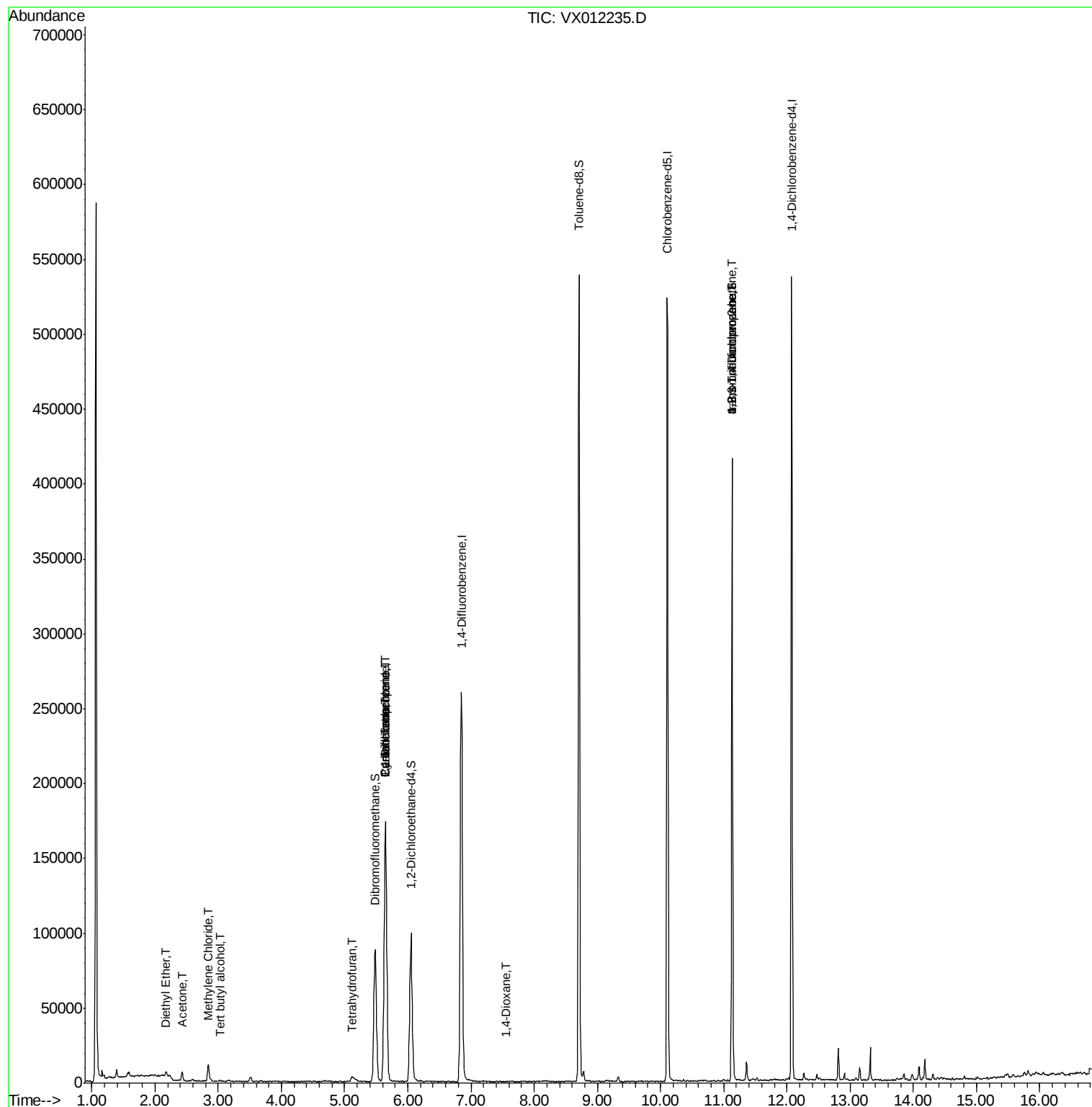
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	898	1.294	ug/l	86
11) Tert butyl alcohol	3.03	59	482	2.499	ug/l #	38
13) Acrolein	2.26	56	49	Below Cal	#	1
16) Acetone	2.43	43	6415	13.365	ug/l	99
20) Methylene Chloride	2.84	84	5047	2.618	ug/l	91
29) Tetrahydrofuran	5.13	42	3731	10.135	ug/l	92
31) Cyclohexane	5.65	56	4147	1.684	ug/l #	28
36) 1,1-Dichloropropene	5.64	75	13831	6.209	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17104	7.287	ug/l #	15
49) 1,4-Dioxane	7.54	88	19	1.125	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	62863	53.719	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	62863	127.001	ug/l #	10

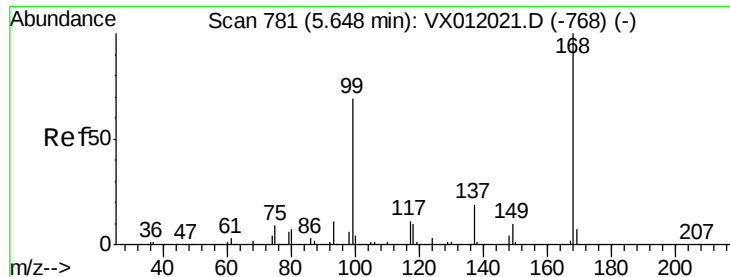
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
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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: VX012235.D

Acq: 08 Sep 2019 20:52

Instrument :

MSVOA_X

ClientSampleId :

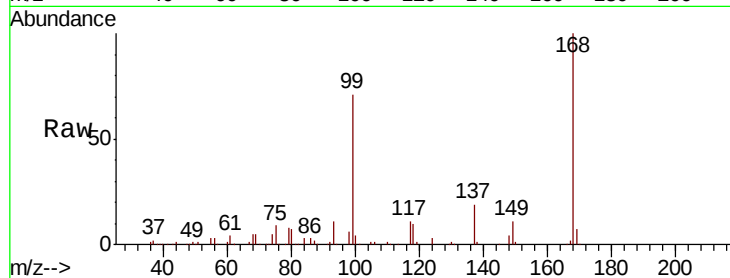
PAR-11-A2-(0)

Tgt Ion:168 Resp: 145539

Ion Ratio Lower Upper

168 100

99 70.9 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

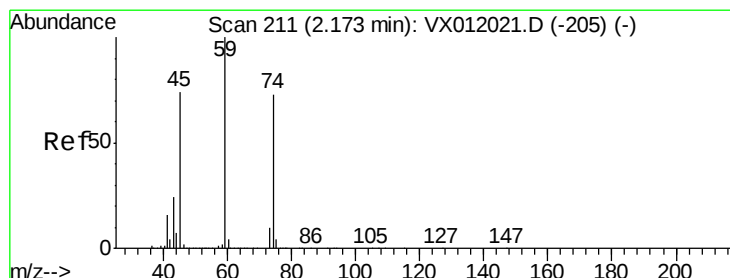
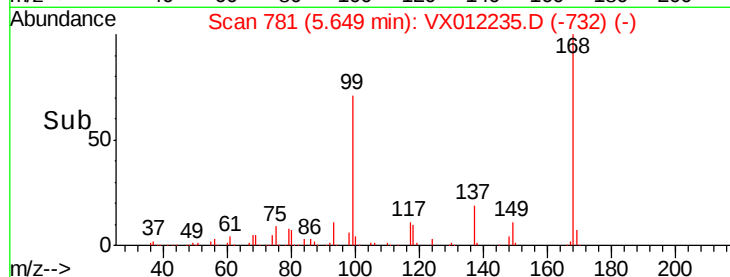
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#8

Diethyl Ether

Concen: 1.294 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012235.D

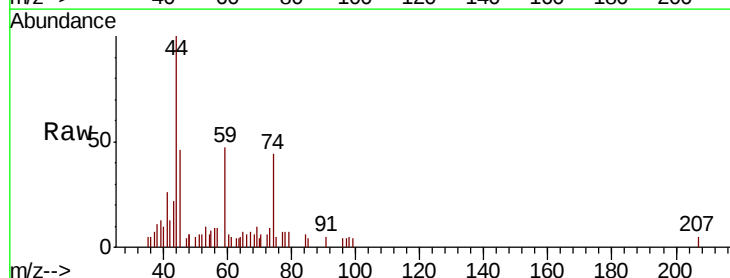
Acq: 08 Sep 2019 20:52

Tgt Ion: 74 Resp: 898

Ion Ratio Lower Upper

74 100

45 105.0 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

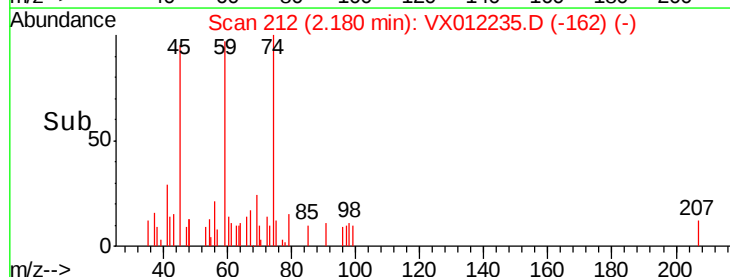
600

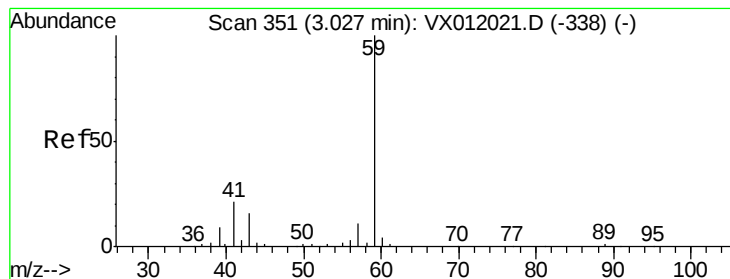
400

200

0

Time--> 2.15 2.20



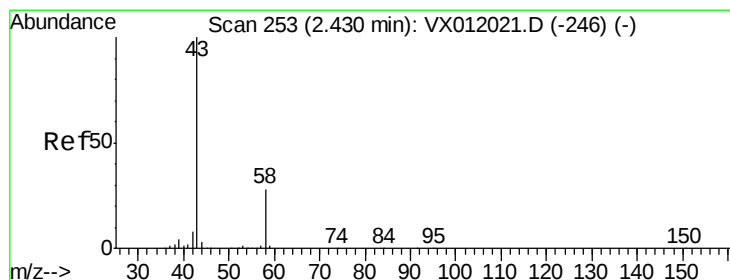
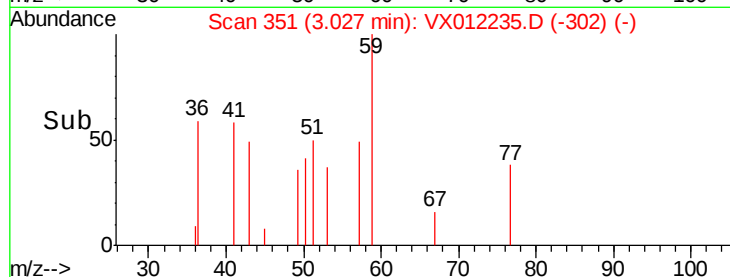
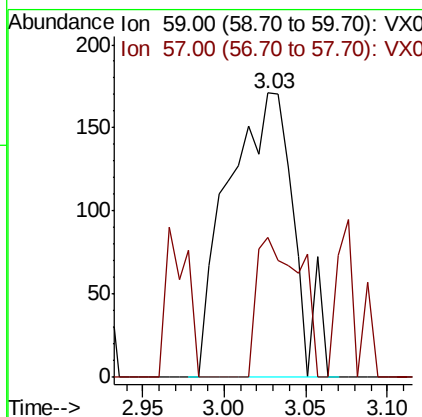
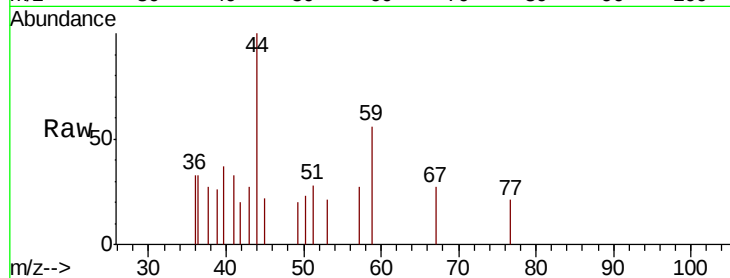


#11

Tert butyl alcohol
 Concen: 2.499 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX012235.D
 Acq: 08 Sep 2019 20:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A2-(0)

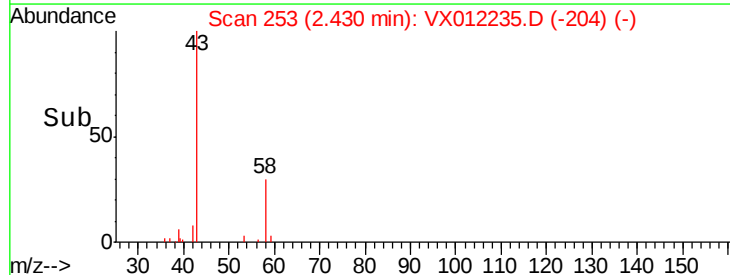
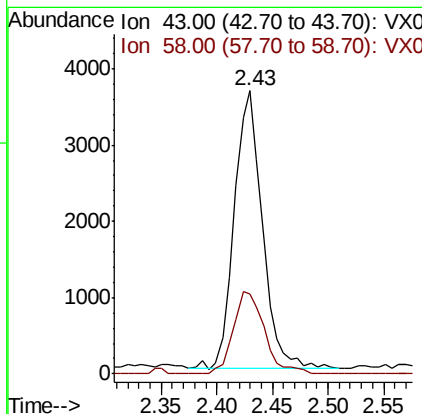
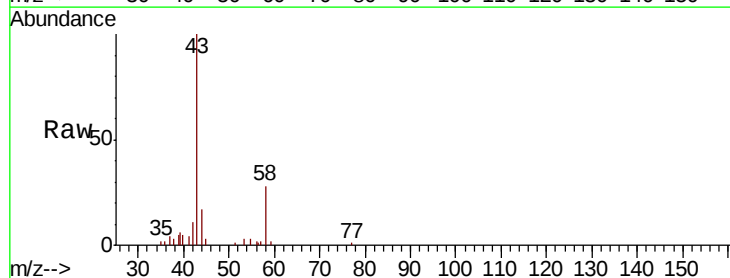
Tgt Ion: 59 Resp: 482
 Ion Ratio Lower Upper
 59 100
 57 33.0 7.9 11.9#

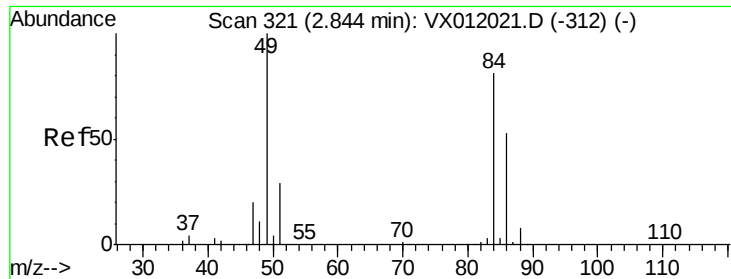


#16

Acetone
 Concen: 13.365 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012235.D
 Acq: 08 Sep 2019 20:52

Tgt Ion: 43 Resp: 6415
 Ion Ratio Lower Upper
 43 100
 58 28.9 22.8 34.2

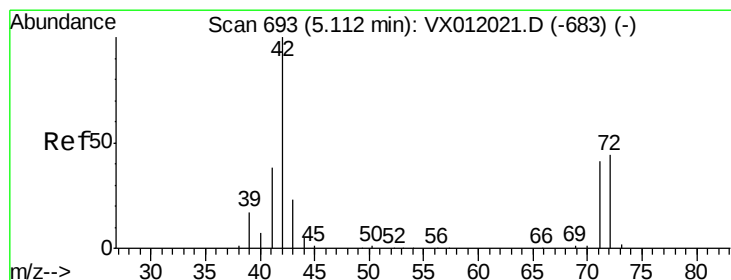
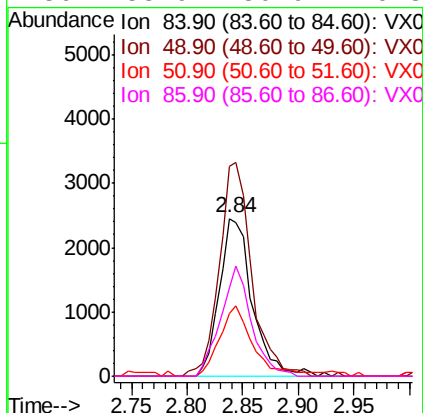
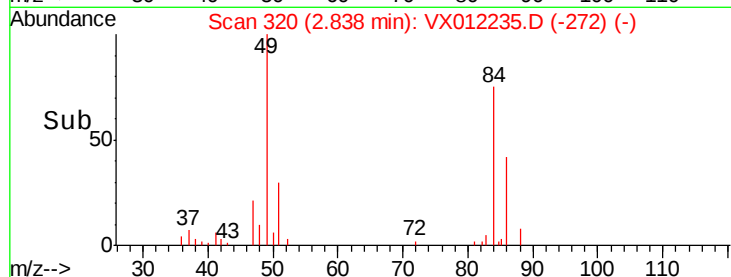
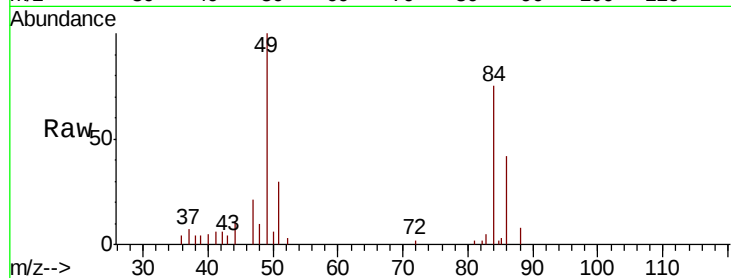




#20
Methylene Chloride
Concen: 2.618 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012235.D
Acq: 08 Sep 2019 20:52

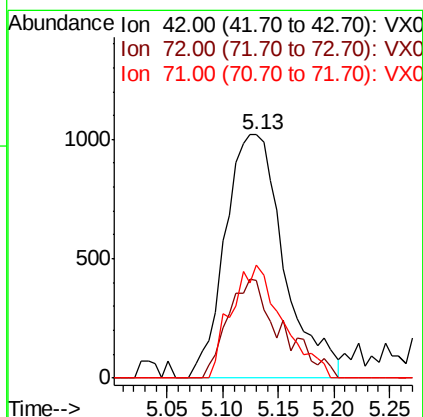
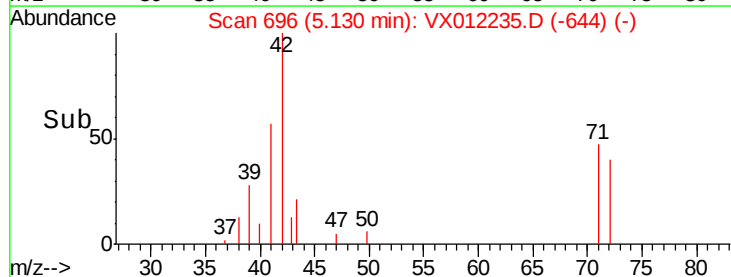
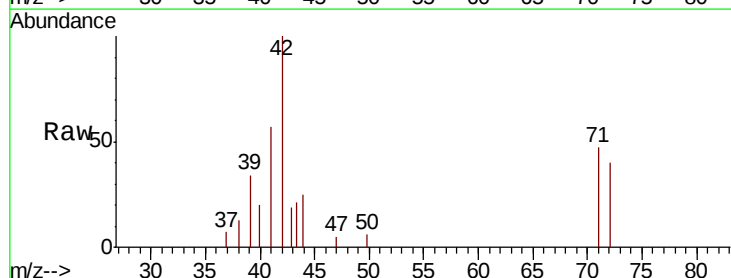
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-A2-(0)

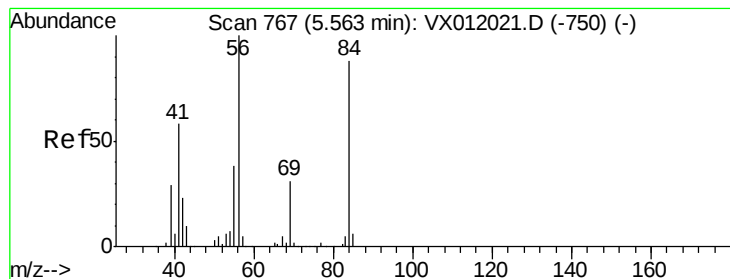
Tgt Ion:	84	Resp:	5047
Ion	Ratio	Lower	Upper
84	100		
49	130.3	95.8	143.8
51	39.9	28.6	43.0
86	55.9	50.9	76.3



#29
Tetrahydrofuran
Concen: 10.135 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012235.D
Acq: 08 Sep 2019 20:52

Tgt Ion:	42	Resp:	3731
Ion	Ratio	Lower	Upper
42	100		
72	37.3	37.0	55.4
71	40.6	33.8	50.8





#31

Cyclohexane

Concen: 1.684 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012235.D

Acq: 08 Sep 2019 20:52

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A2-(0)

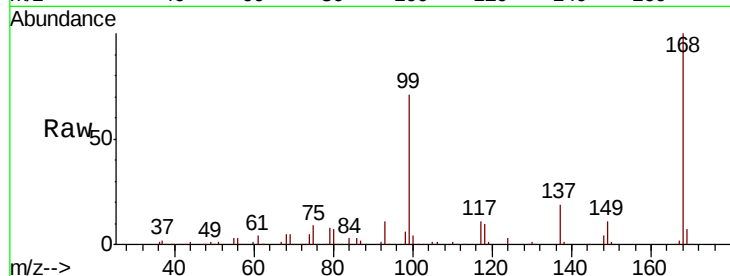
Tgt Ion: 56 Resp: 4147

Ion Ratio Lower Upper

56 100

69 165.4 25.7 38.5#

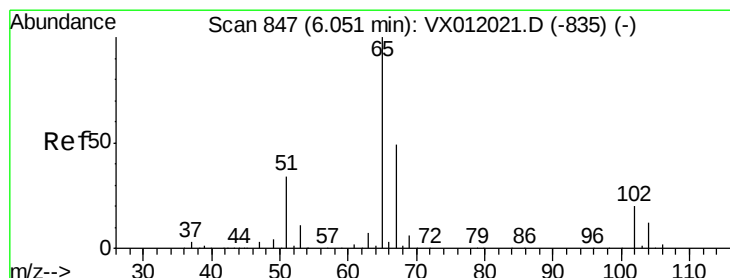
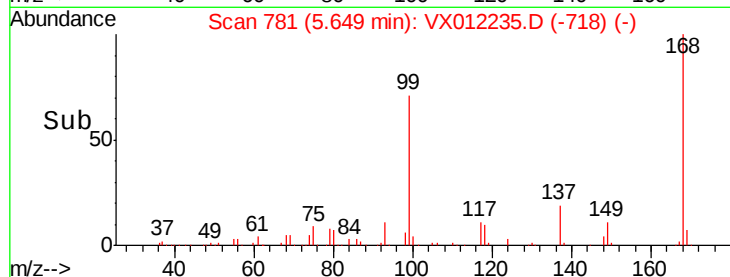
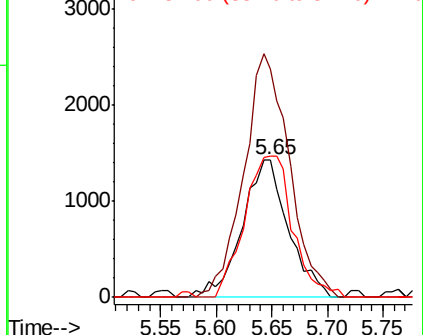
84 98.6 70.3 105.5



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: 49.494 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012235.D

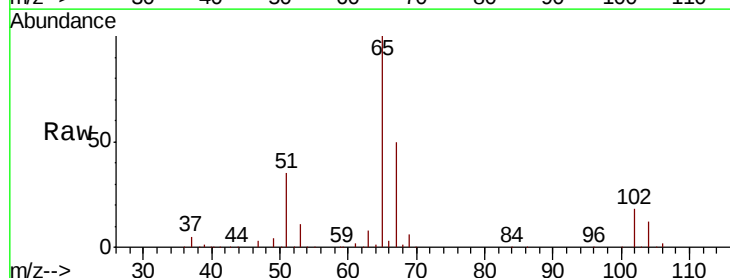
Acq: 08 Sep 2019 20:52

Tgt Ion: 65 Resp: 99392

Ion Ratio Lower Upper

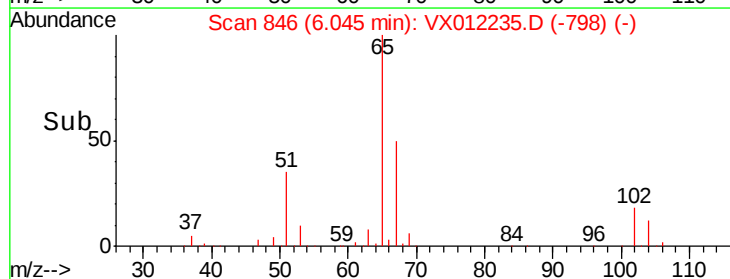
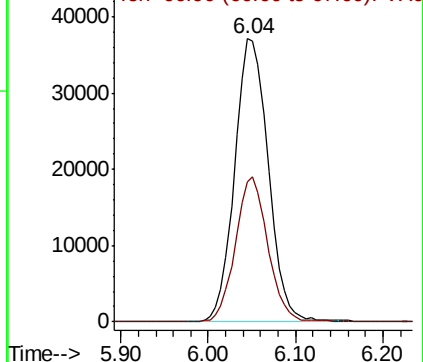
65 100

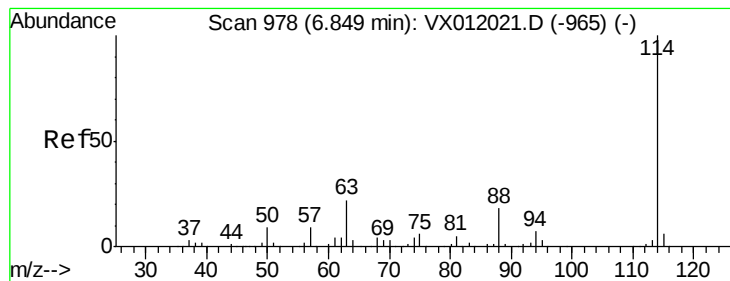
67 49.6 0.0 102.0



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: VX012235.D

Acq: 08 Sep 2019 20:52

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A2-(0)

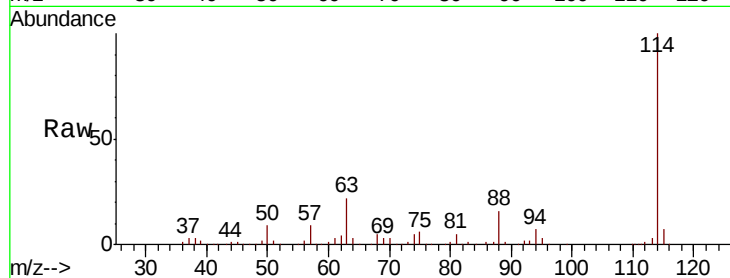
Tgt Ion:114 Resp: 252921

Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.4

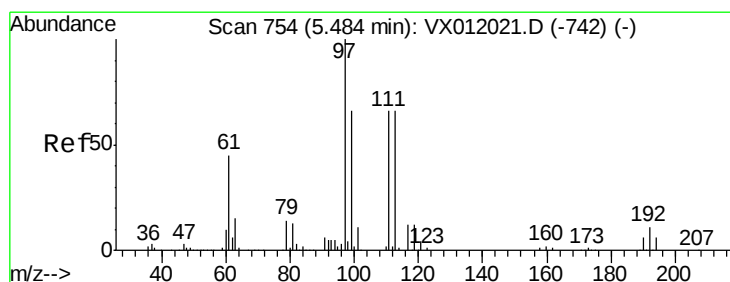
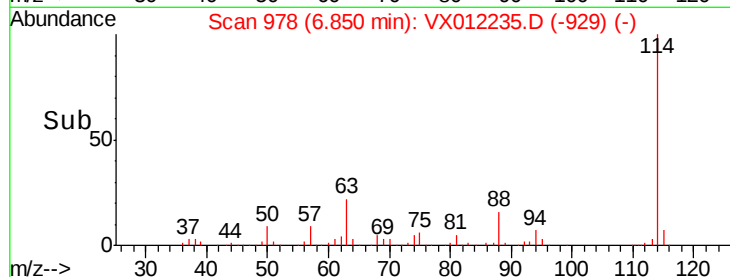
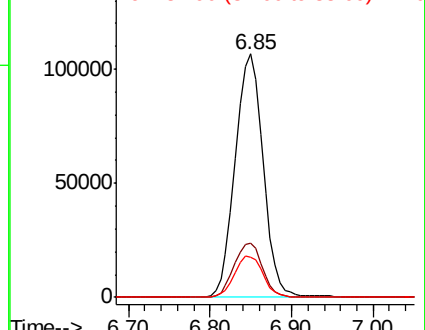
88 16.4 0.0 29.6



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: 47.505 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012235.D

Acq: 08 Sep 2019 20:52

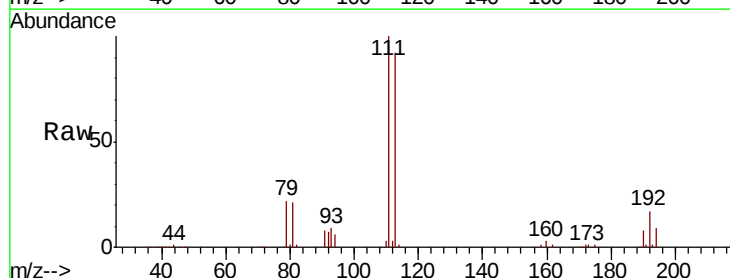
Tgt Ion:113 Resp: 73889

Ion Ratio Lower Upper

113 100

111 104.4 81.7 122.5

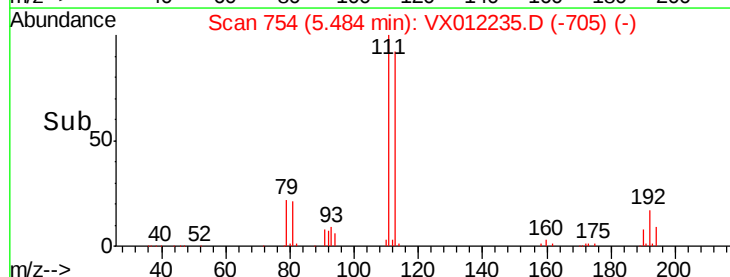
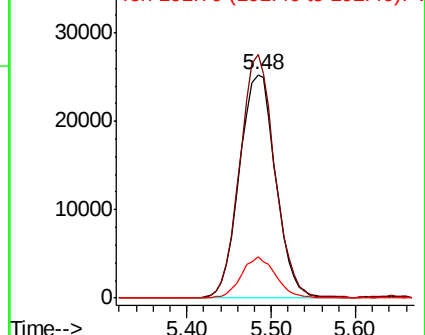
192 17.5 22.5 33.7#

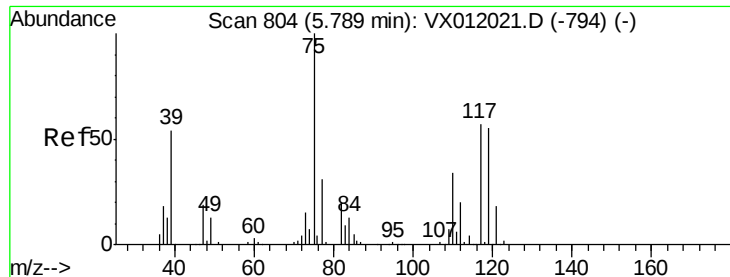


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

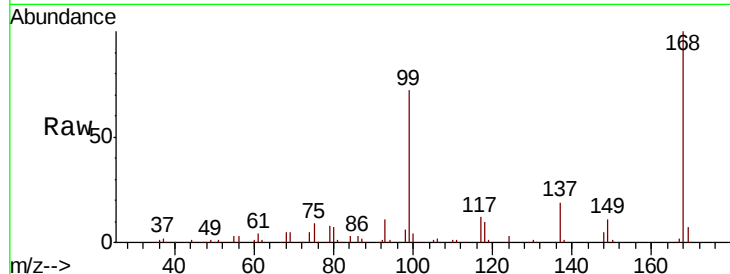




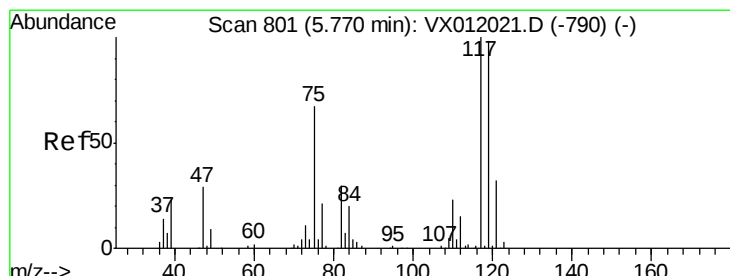
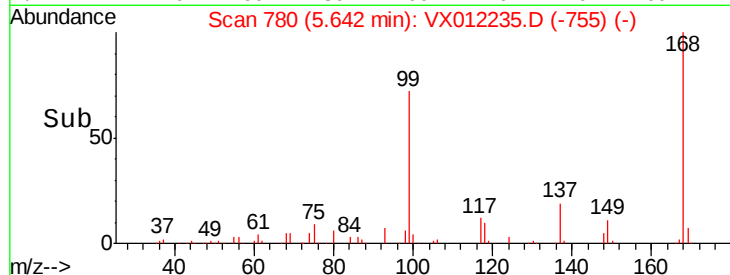
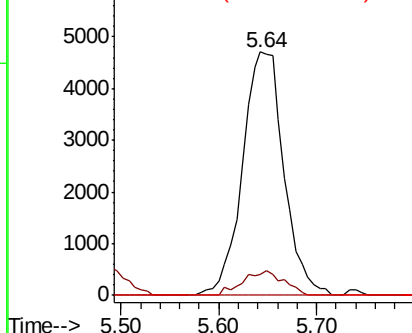
#36
 1,1-Dichloropropene
 Concen: 6.209 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012235.D
 Acq: 08 Sep 2019 20:52

Instrument :
 MSVOA_X
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Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	19.5	58.5#
77	0.0	24.6	37.0#

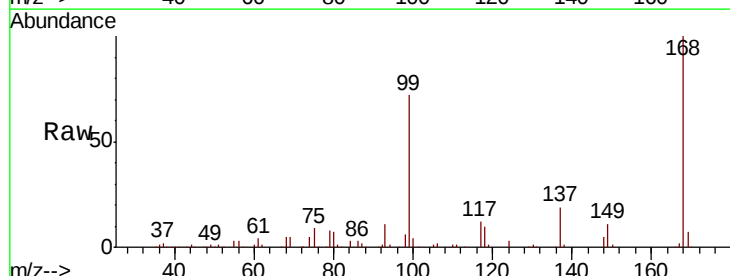


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

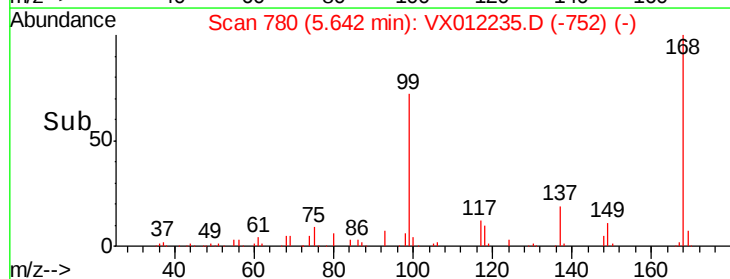
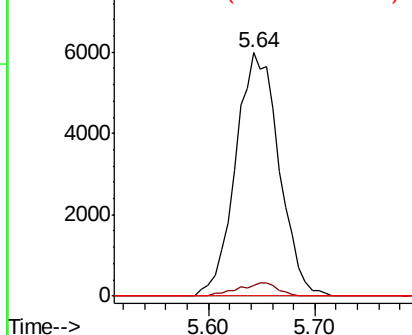


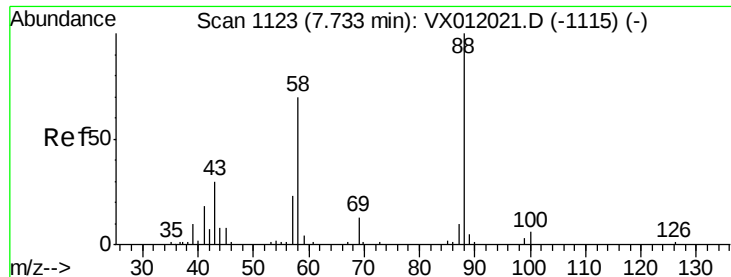
#38
 Carbon Tetrachloride
 Concen: 7.287 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012235.D
 Acq: 08 Sep 2019 20:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	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

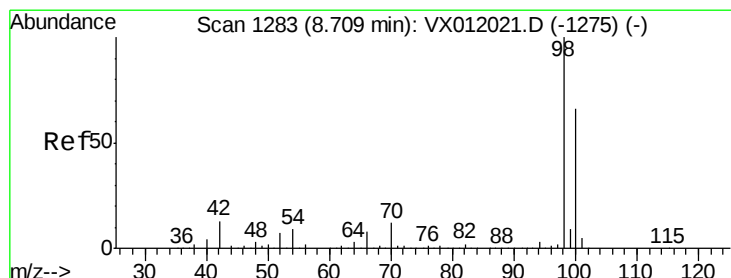
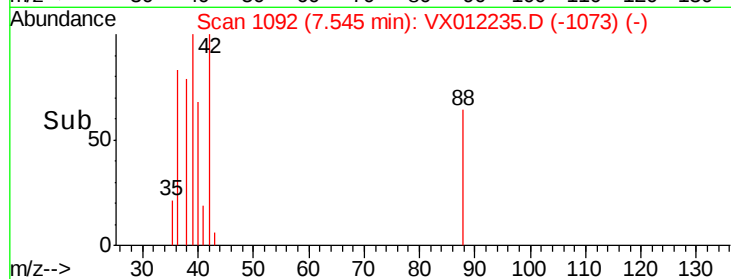
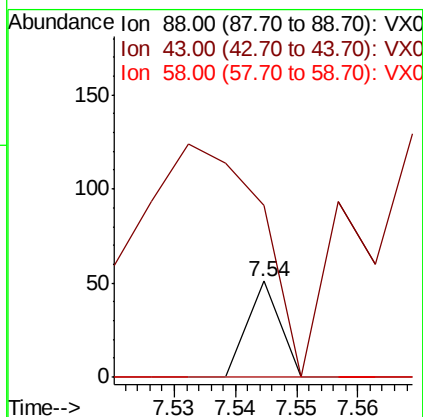
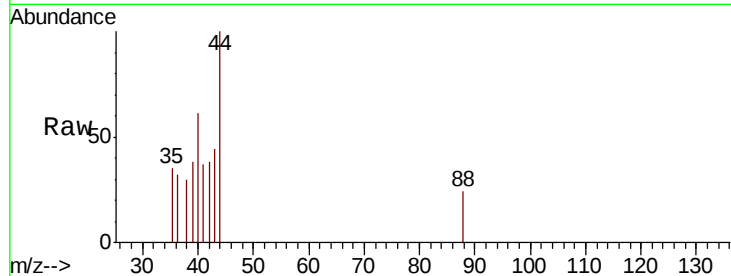




#49
1,4-Dioxane
Concen: 1.125 ug/l
RT: 7.54 min Scan# 1092
Delta R.T. -0.18 min
Lab File: VX012235.D
Acq: 08 Sep 2019 20:52

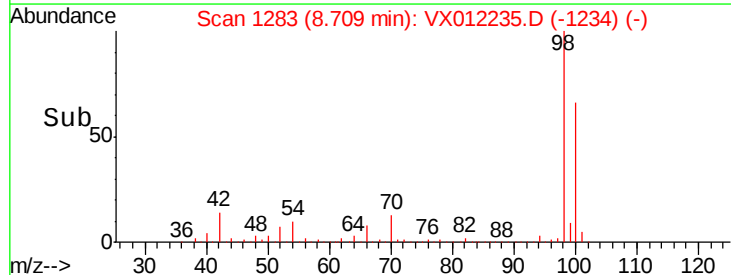
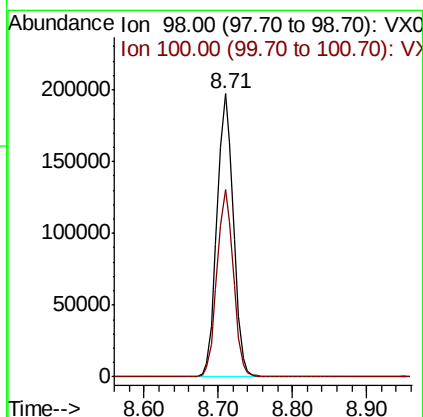
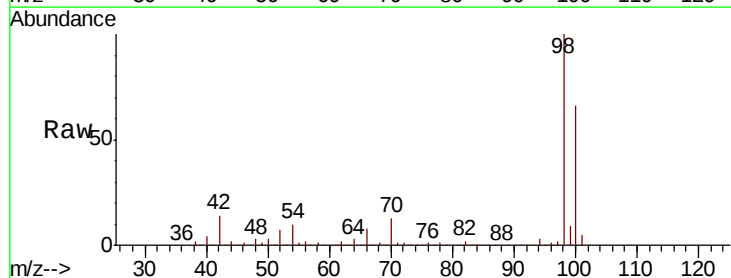
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PAR-11-A2-(0)

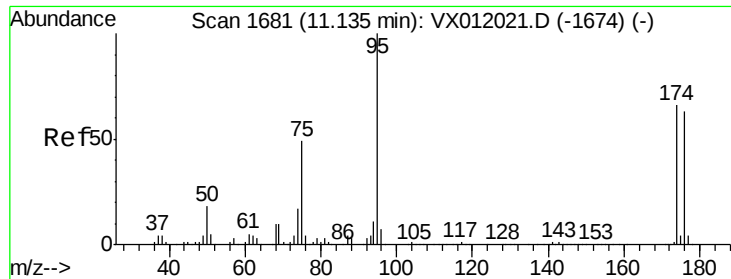
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 810.5 29.8 44.6#
58 0.0 55.4 83.2#



#50
Toluene-d8
Concen: 52.651 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012235.D
Acq: 08 Sep 2019 20:52

Tgt Ion: 98 Resp: 300509
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 44.717 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012235.D

Acq: 08 Sep 2019 20:52

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A2-(0)

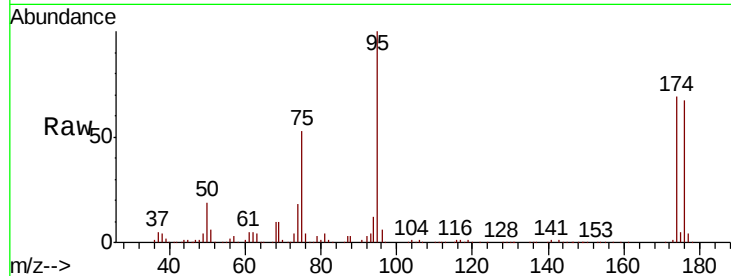
Tgt Ion: 95 Resp: 118696

Ion Ratio Lower Upper

95 100

174 64.9 0.0 205.4

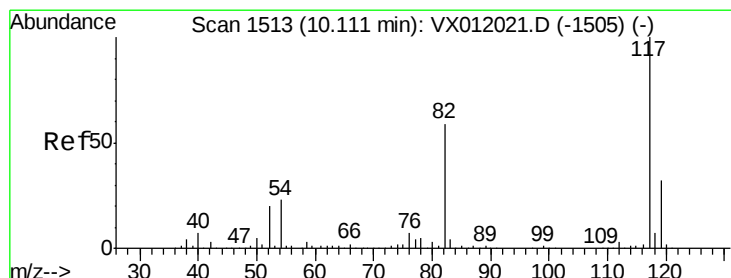
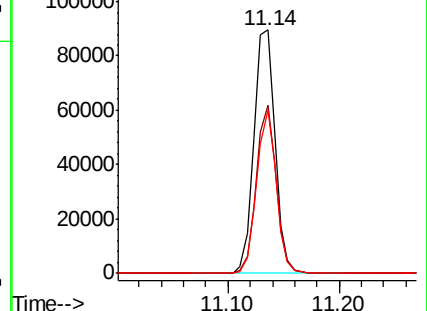
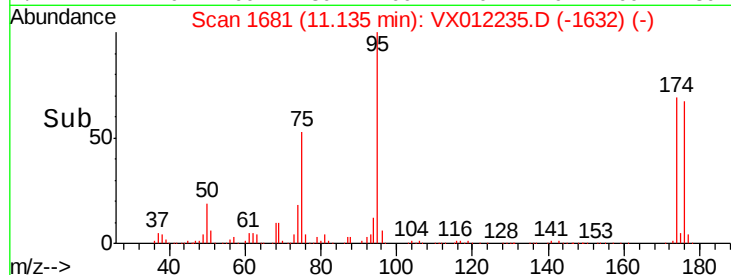
176 62.1 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012235.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012235.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012235.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012235.D

Acq: 08 Sep 2019 20:52

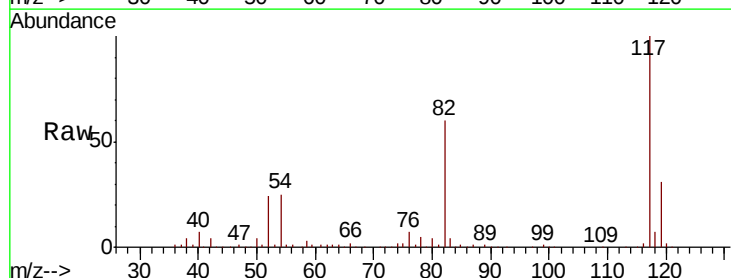
Tgt Ion: 117 Resp: 222734

Ion Ratio Lower Upper

117 100

82 60.2 39.4 59.0#

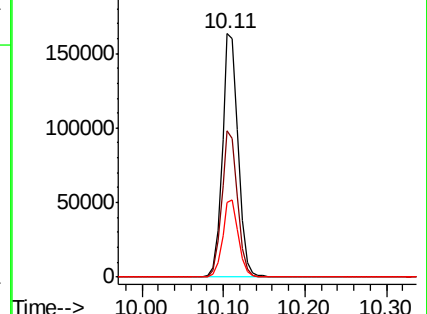
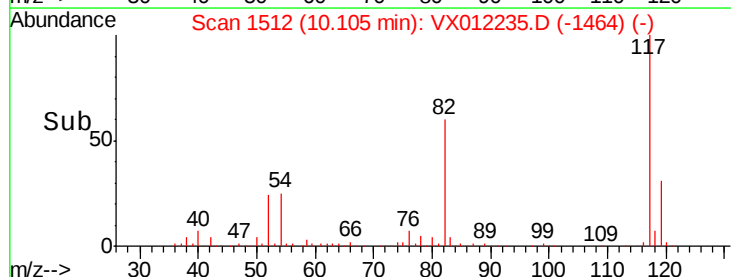
119 30.6 26.1 39.1

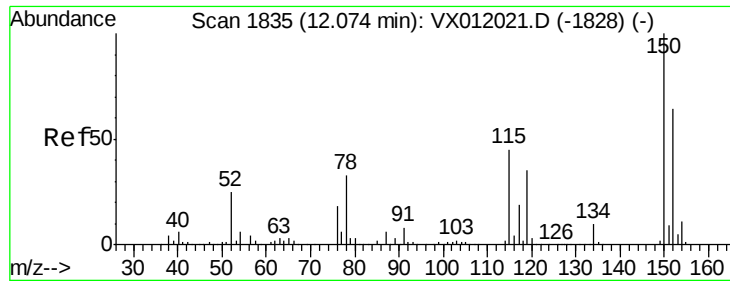


Abundance Ion 116.90 (116.60 to 117.60): VX012235.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012235.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012235.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012235.D

Acq: 08 Sep 2019 20:52

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-A2-(0)

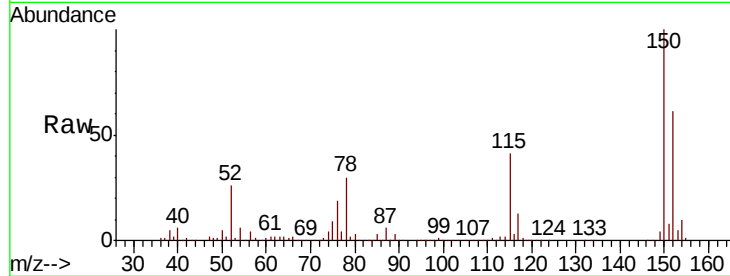
Tgt Ion:152 Resp: 95774

Ion Ratio Lower Upper

152 100

115 67.1 36.4 109.3

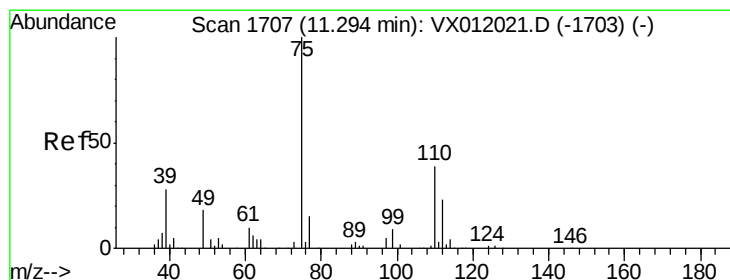
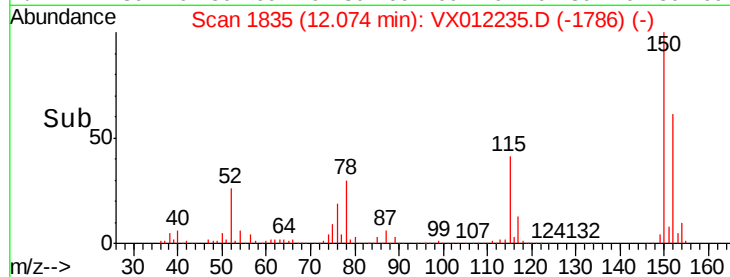
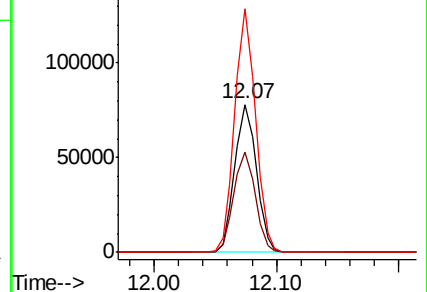
150 157.7 0.0 341.2



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: 53.719 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012235.D

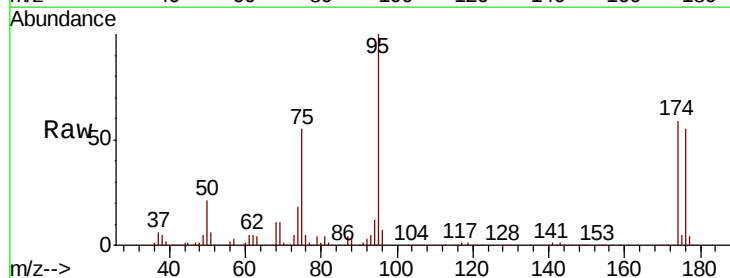
Acq: 08 Sep 2019 20:52

Tgt Ion: 75 Resp: 62863

Ion Ratio Lower Upper

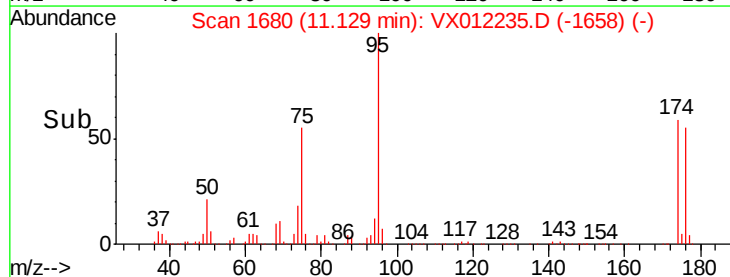
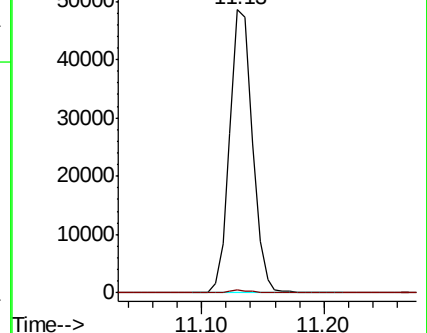
75 100

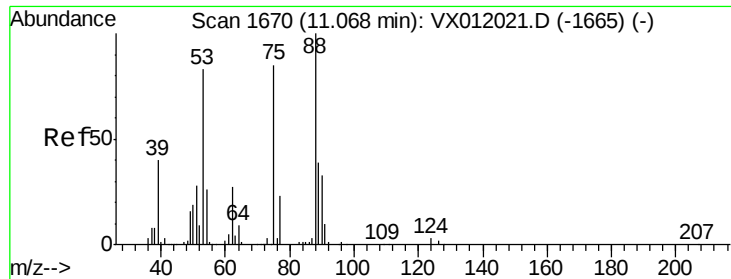
77 1.3 23.5 70.5#



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: 127.001 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012235.D
 Acq: 08 Sep 2019 20:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-A2-(0)

Tgt Ion: 75 Resp: 62863
 Ion Ratio Lower Upper
 75 100
 53 0.3 78.6 117.8#
 89 0.0 38.8 58.2#

