

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012272.D
 Acq On : 10 Sep 2019 23:51
 Operator : SY/SP
 Sample : K4624-03
 Misc : 4.78g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-E2-(4)

Quant Time: Sep 11 02:29:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168255	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289596	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101470	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	116472	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	5.48	113	87131	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	8.71	98	346691	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
62) 4-Bromofluorobenzene	11.14	95	129105	42.77	ug/l	0.00
Spiked Amount			Recovery	=	85.54%	

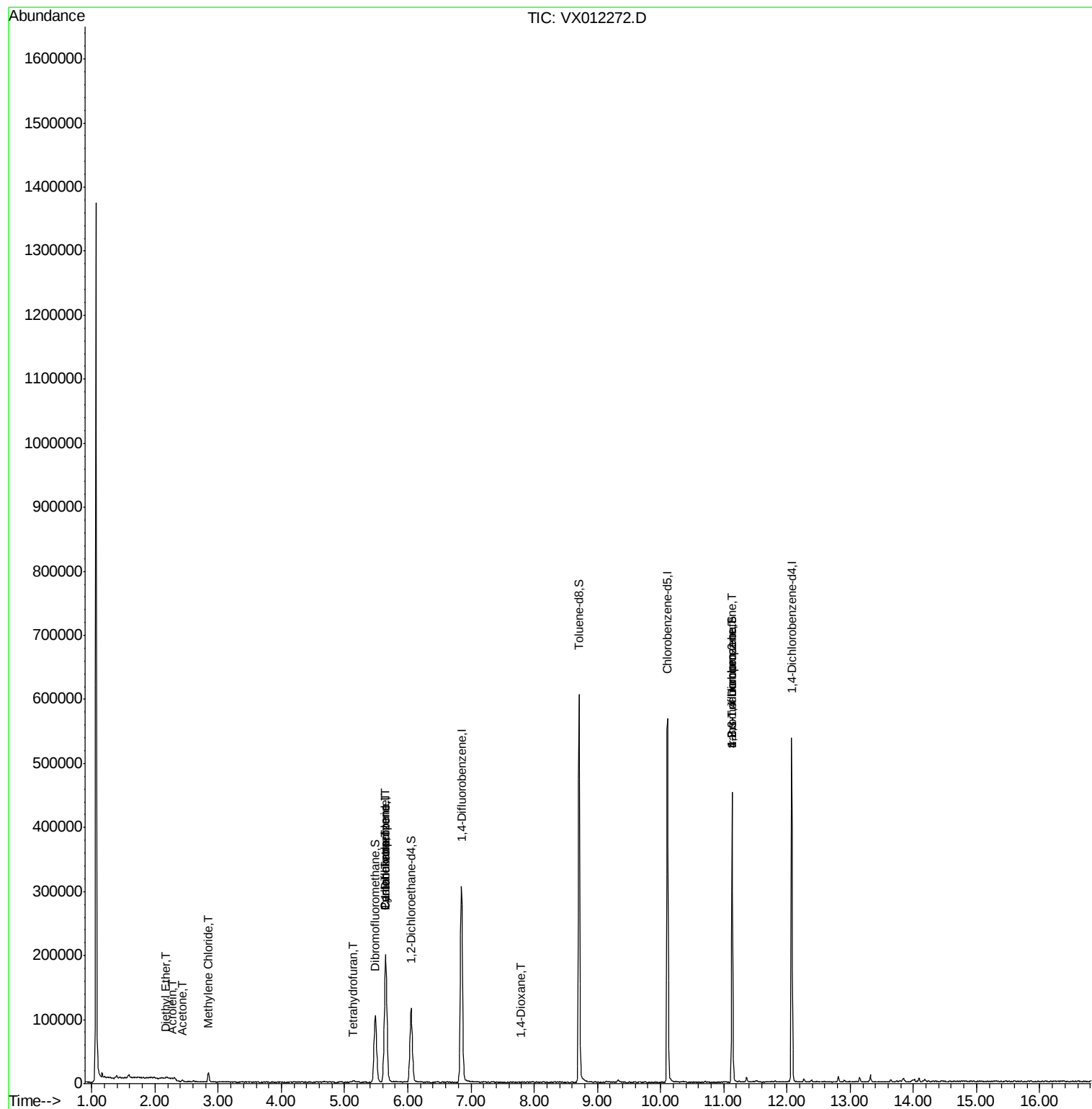
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	575	Below Cal	#	41
8) Diethyl Ether	2.18	74	891	1.173	ug/l	52
11) Tert butyl alcohol	3.03	59	222	Below Cal	#	58
13) Acrolein	2.28	56	153	1.230	ug/l #	37
16) Acetone	2.44	43	2436	4.326	ug/l #	88
20) Methylene Chloride	2.84	84	6470	1.106	ug/l	88
29) Tetrahydrofuran	5.12	42	2834	7.296	ug/l #	85
31) Cyclohexane	5.64	56	4941	2.237	ug/l #	42
36) 1,1-Dichloropropene	5.65	75	15913	7.536	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19677	7.942	ug/l #	13
49) 1,4-Dioxane	7.79	88	19	1.069	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	68262	52.367	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	68262	156.903	ug/l #	5

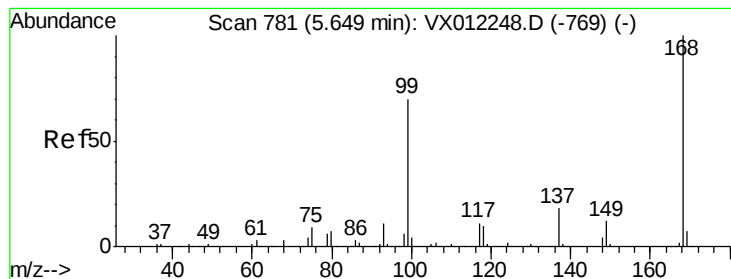
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
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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: VX012272.D

Acq: 10 Sep 2019 23:51

Instrument :

MSVOA_X

ClientSampleId :

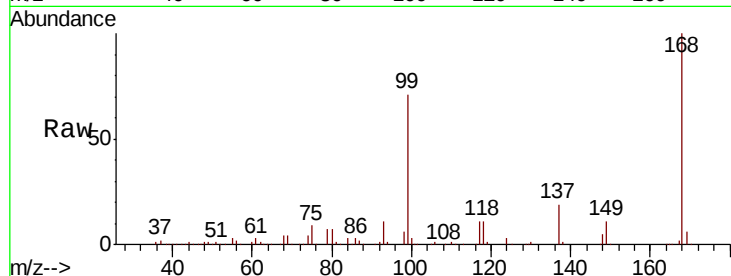
PAR-11-E2-(4)

Tgt Ion: 168 Resp: 168255

Ion Ratio Lower Upper

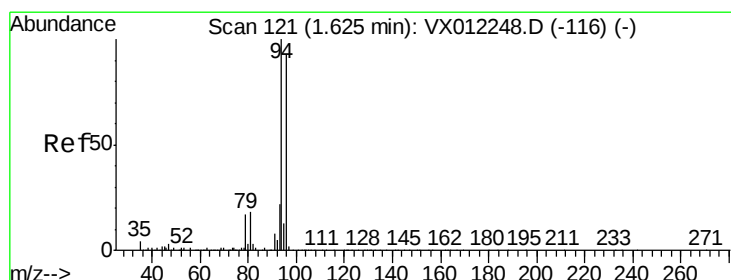
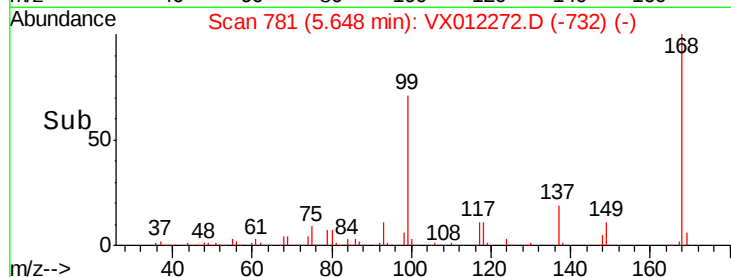
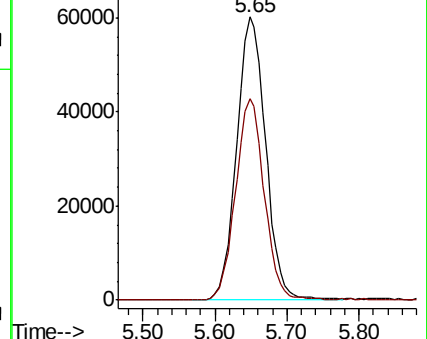
168 100

99 71.4 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012272.D

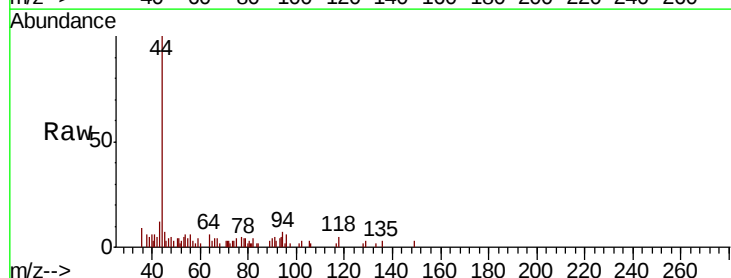
Acq: 10 Sep 2019 23:51

Tgt Ion: 94 Resp: 575

Ion Ratio Lower Upper

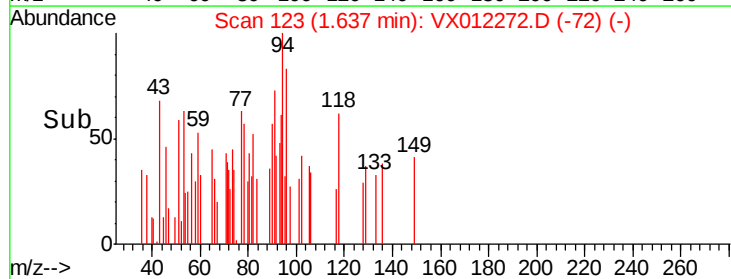
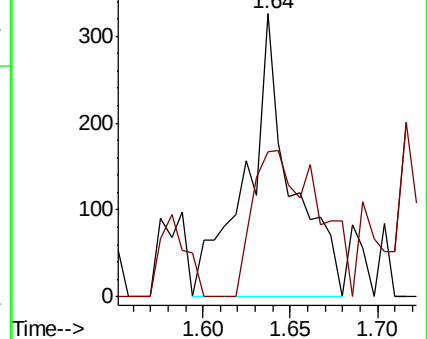
94 100

96 35.6 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

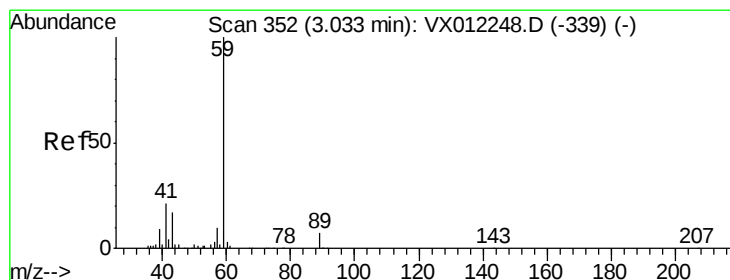
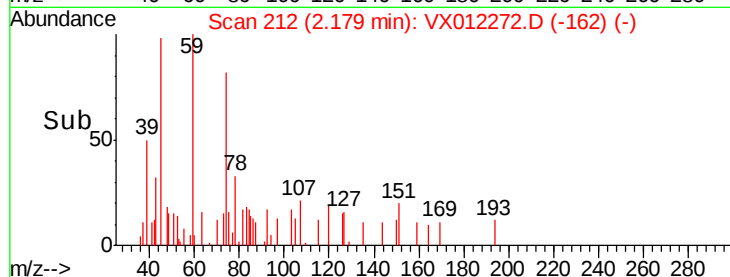
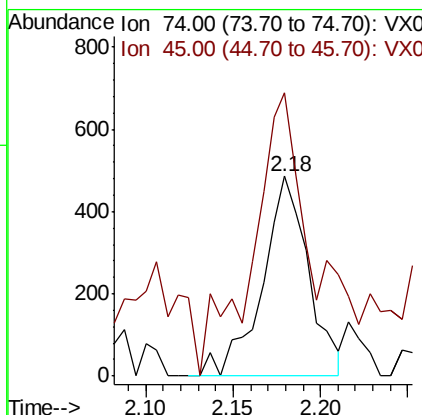
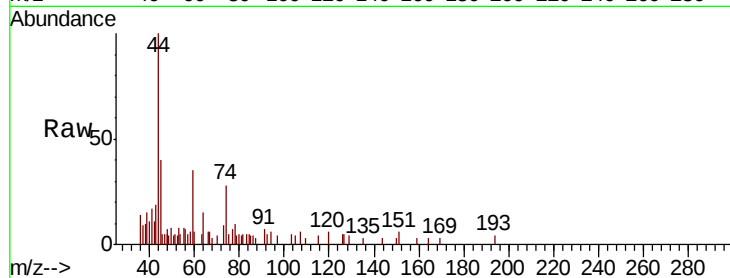




#8
Diethyl Ether
Concen: 1.173 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.01 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

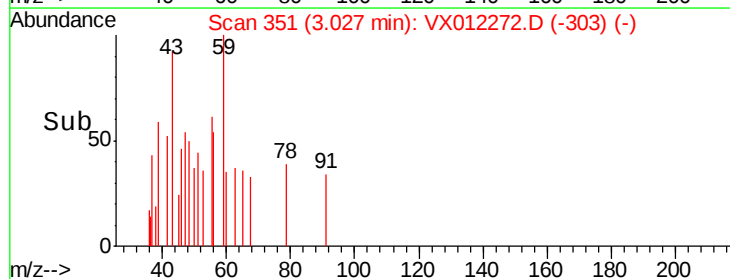
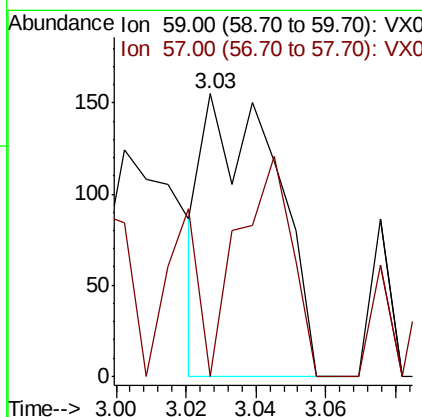
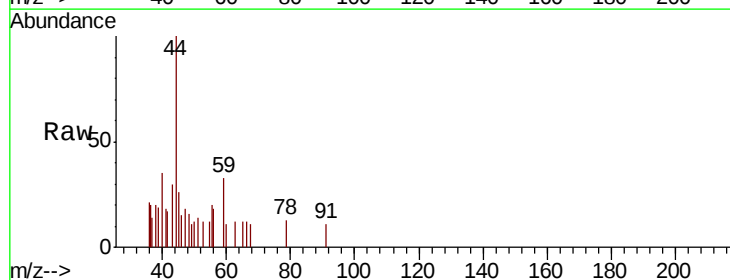
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-E2-(4)

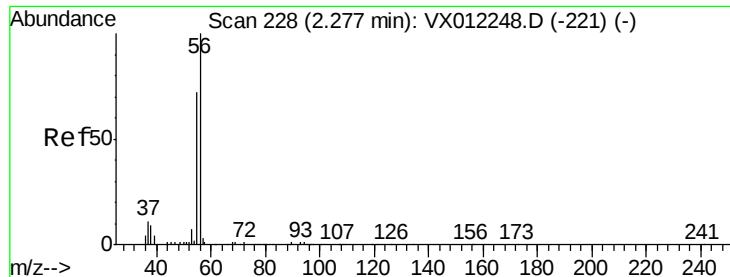
Tgt Ion: 74 Resp: 891
Ion Ratio Lower Upper
74 100
45 151.7 51.3 153.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 25.2 7.8 11.6#

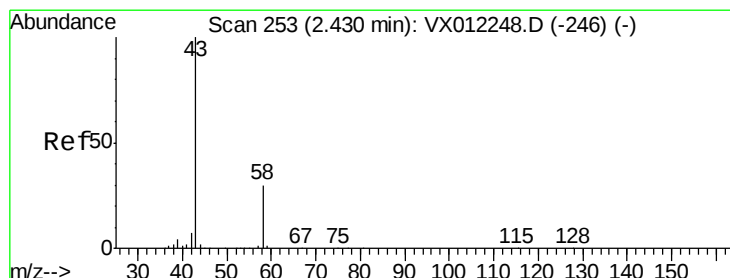
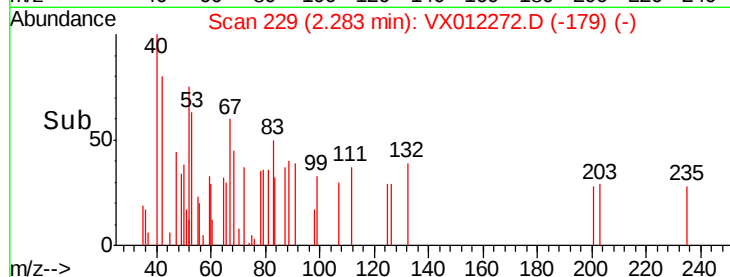
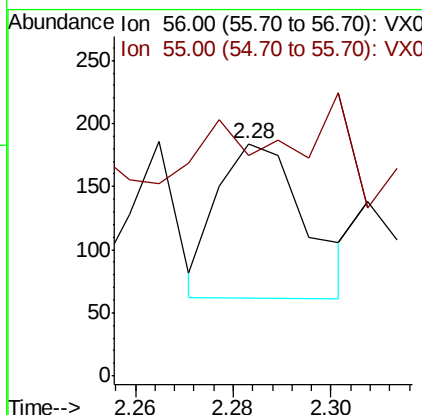
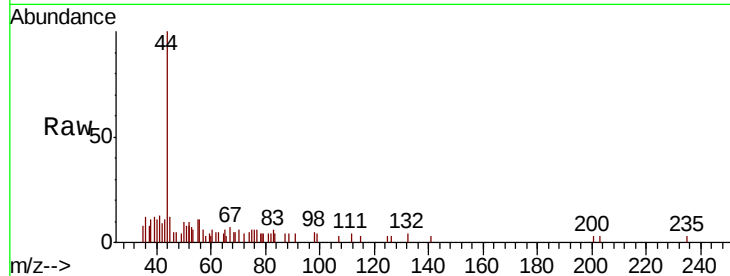




#13
Acrolein
Concen: 1.230 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.01 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

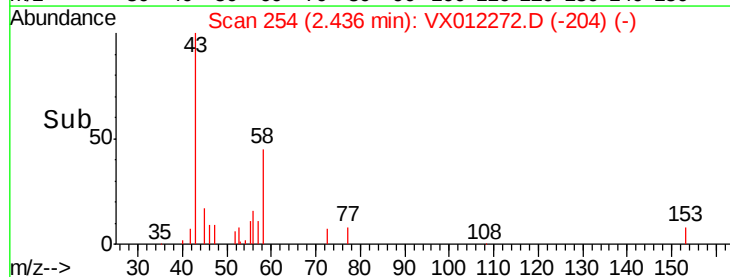
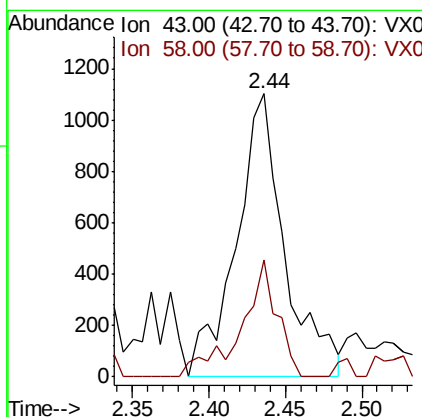
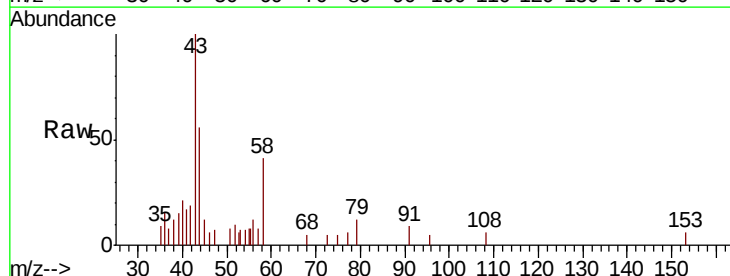
Instrument :
MSVOA_X
ClientSampled :
PAR-11-E2-(4)

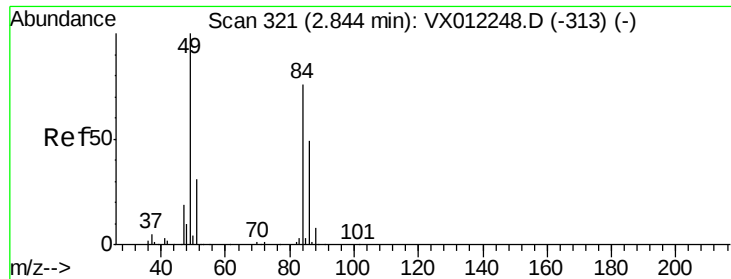
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 21.6 59.8 89.6#



#16
Acetone
Concen: 4.326 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
58 35.8 23.6 35.4#

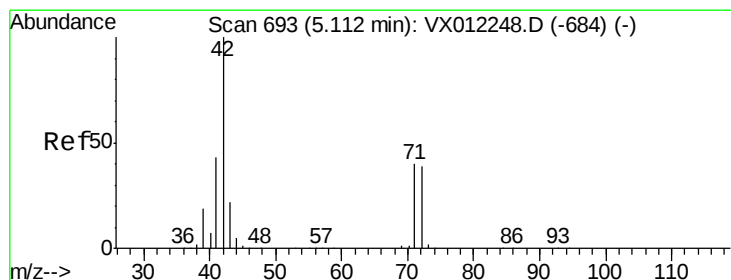
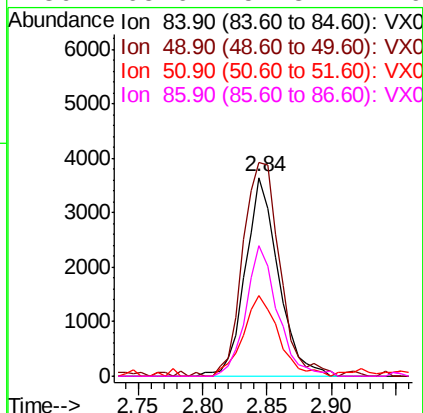
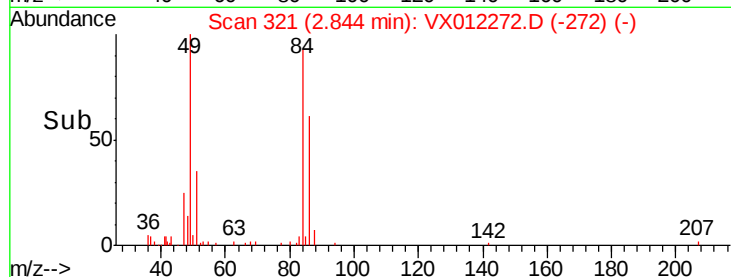
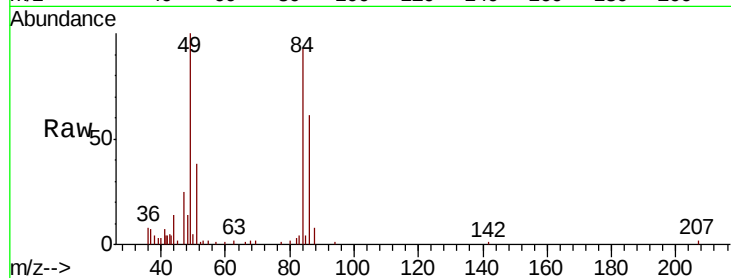




#20
Methylene Chloride
Concen: 1.106 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

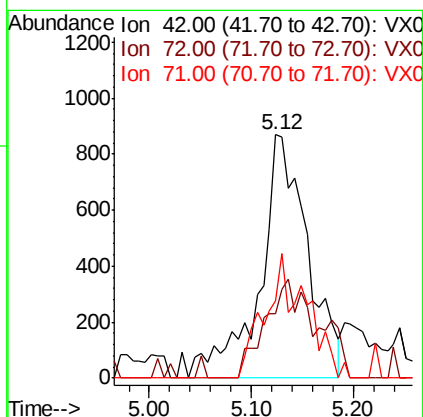
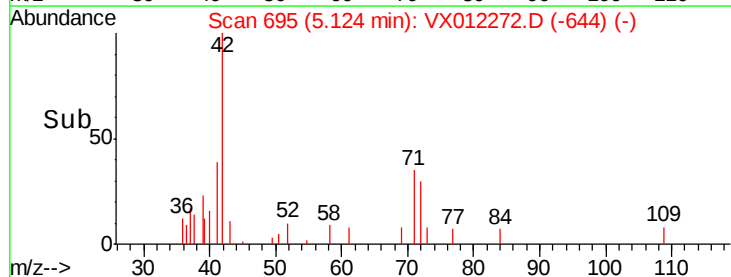
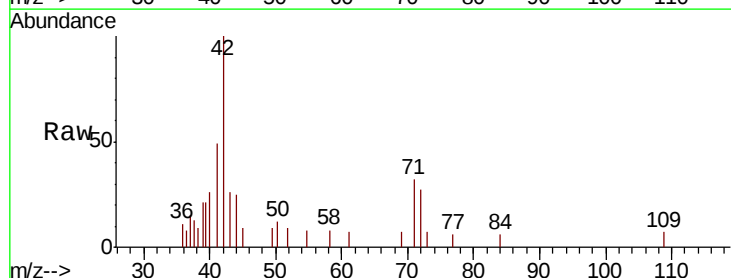
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-E2-(4)

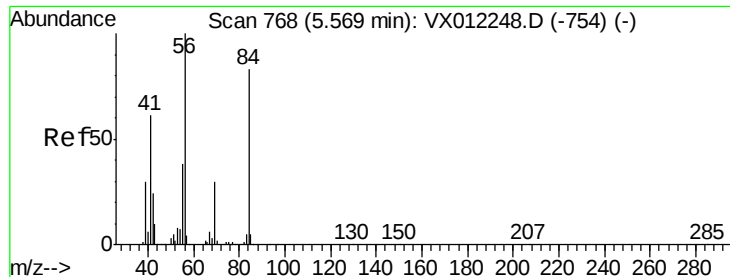
Tgt Ion: 84 Resp: 6470
Ion Ratio Lower Upper
84 100
49 107.4 105.0 157.6
51 40.8 32.6 48.8
86 65.6 51.8 77.6



#29
Tetrahydrofuran
Concen: 7.296 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

Tgt Ion: 42 Resp: 2834
Ion Ratio Lower Upper
42 100
72 38.2 35.2 52.8
71 27.7 32.5 48.7#

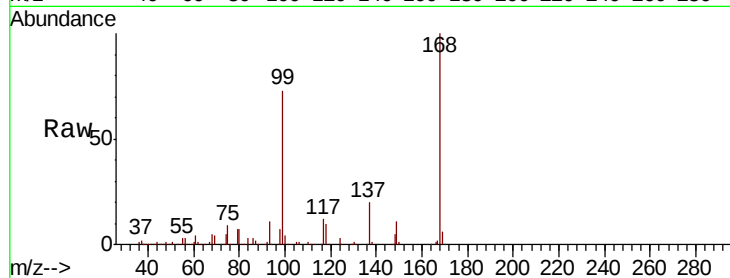




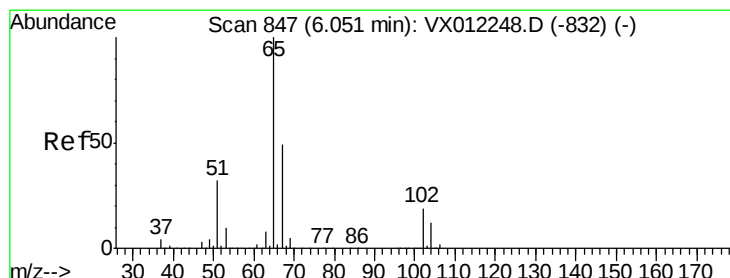
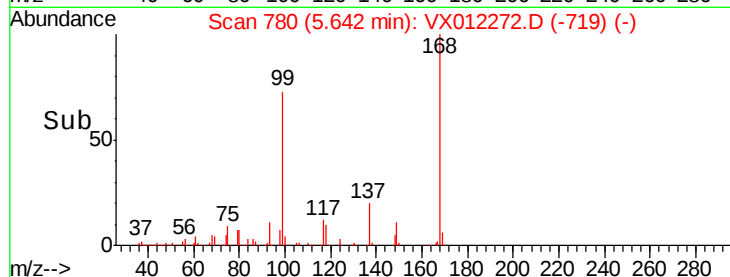
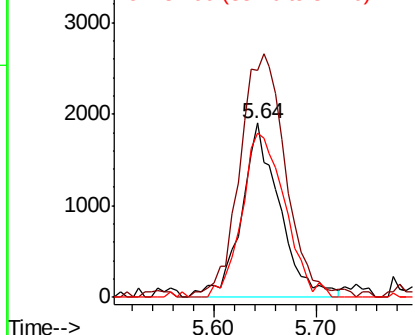
#31
Cyclohexane
Concen: 2.237 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-E2-(4)

Tgt Ion: 56 Resp: 4941
Ion Ratio Lower Upper
56 100
69 130.4 23.8 35.6#
84 94.6 66.6 100.0

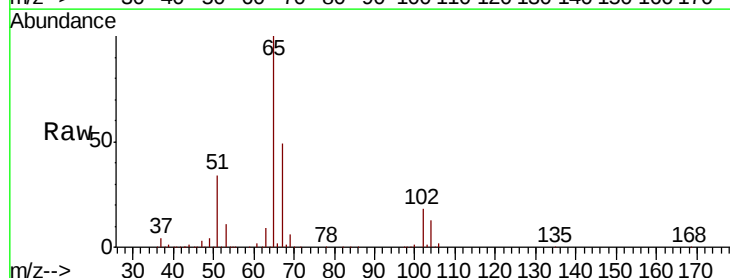


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

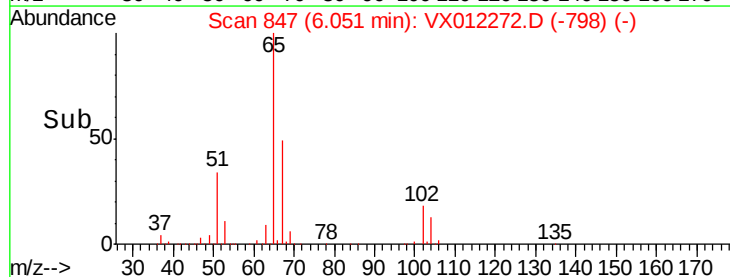
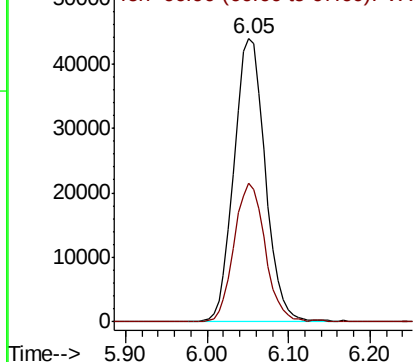


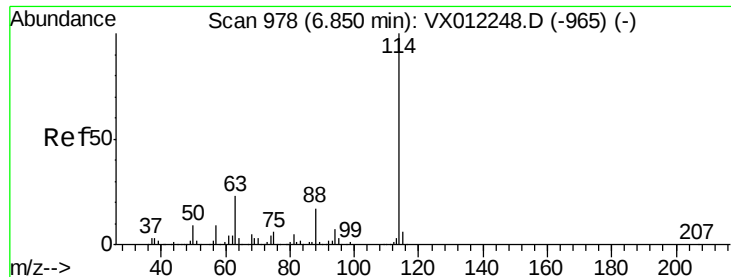
#33
1,2-Dichloroethane-d4
Concen: 48.963 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

Tgt Ion: 65 Resp: 116472
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.8



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: VX012272.D

Acq: 10 Sep 2019 23:51

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E2-(4)

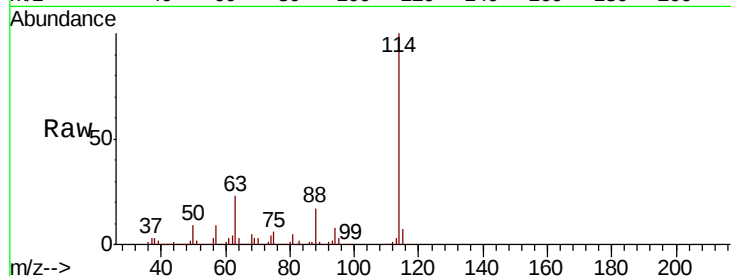
Tgt Ion:114 Resp: 289596

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.2

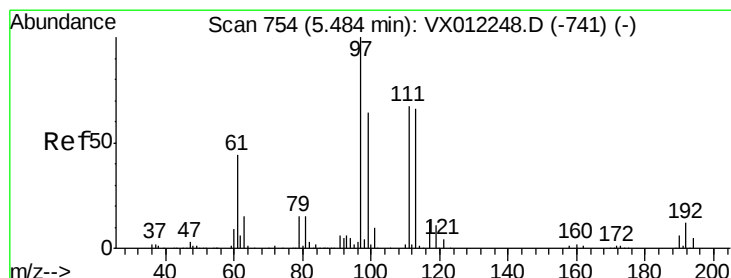
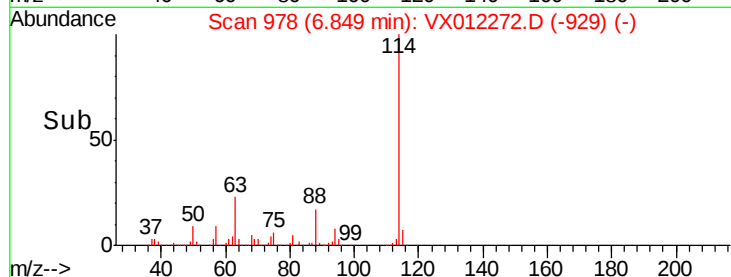
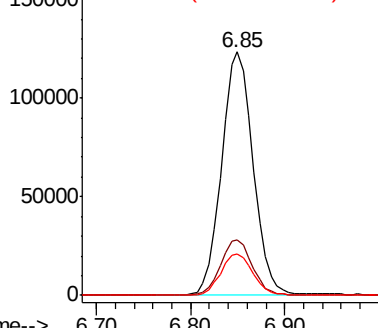
88 17.2 0.0 34.8



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: 46.934 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012272.D

Acq: 10 Sep 2019 23:51

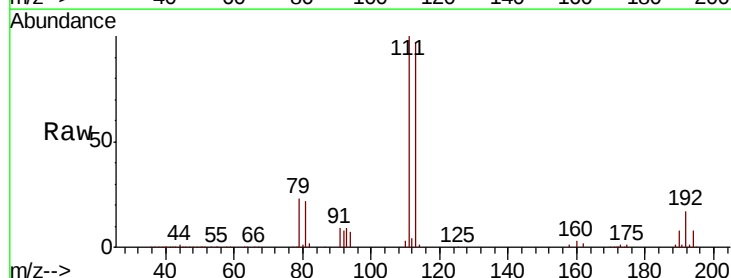
Tgt Ion:113 Resp: 87131

Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.6

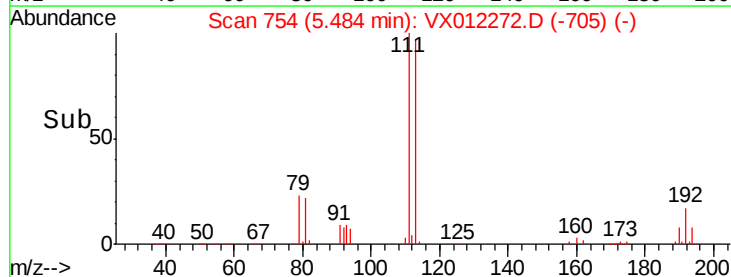
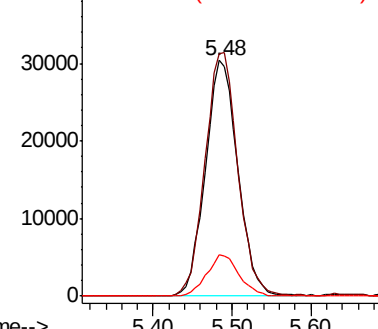
192 17.5 14.3 21.5

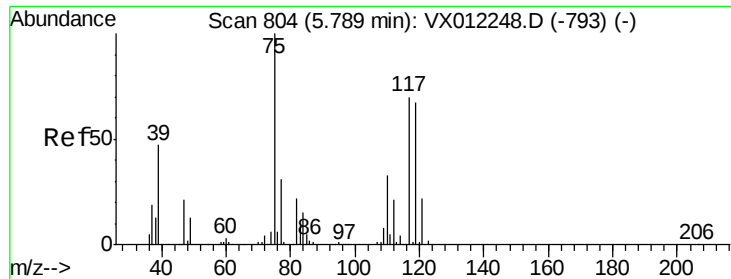


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

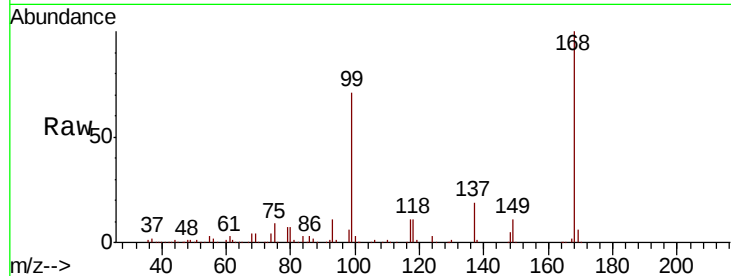




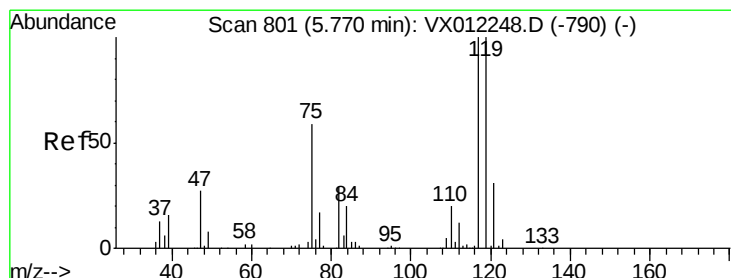
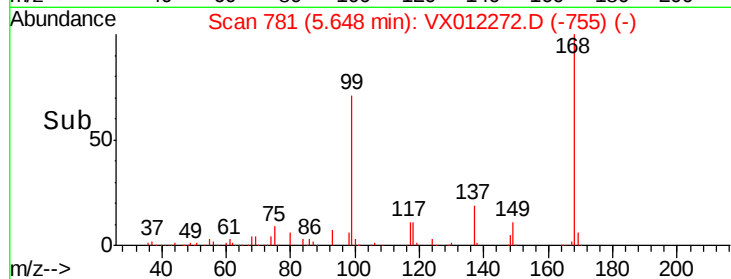
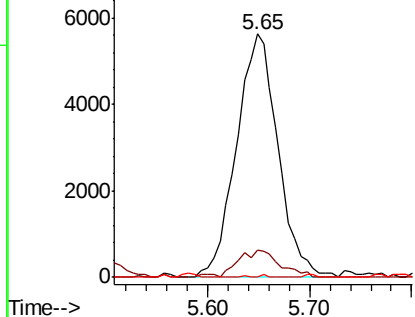
#36
 1,1-Dichloropropene
 Concen: 7.536 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012272.D
 Acq: 10 Sep 2019 23:51

Instrument :
 MSVOA_X
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Tgt Ion: 75 Resp: 15913
 Ion Ratio Lower Upper
 75 100
 110 11.3 16.8 50.4#
 77 0.1 24.5 36.7#

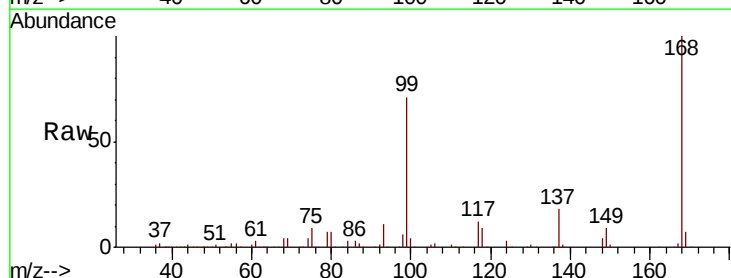


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

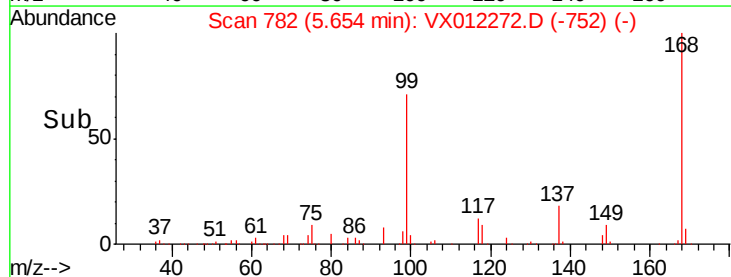
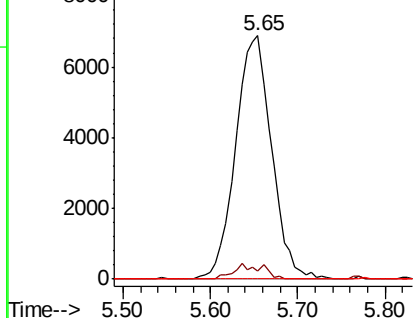


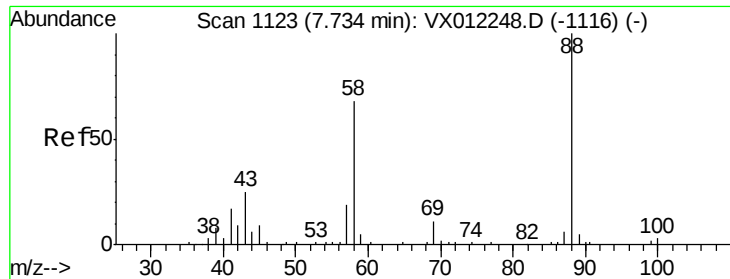
#38
 Carbon Tetrachloride
 Concen: 7.942 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012272.D
 Acq: 10 Sep 2019 23:51

Tgt Ion: 117 Resp: 19677
 Ion Ratio Lower Upper
 117 100
 119 3.4 79.6 119.4#
 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

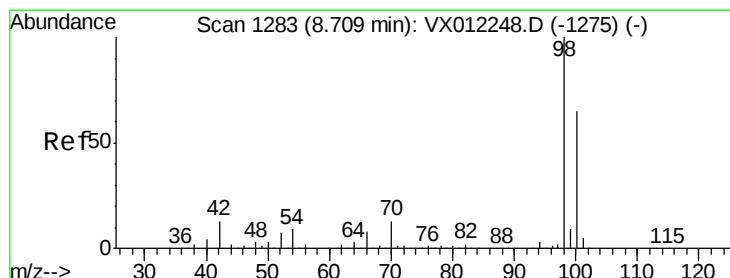
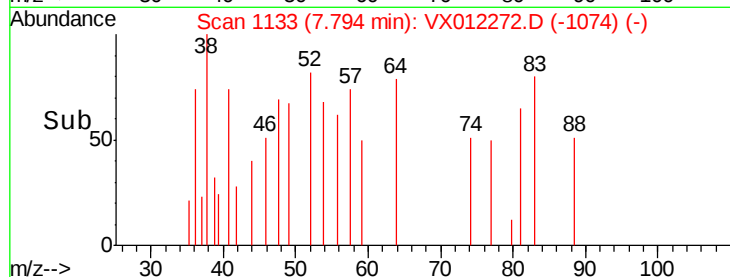
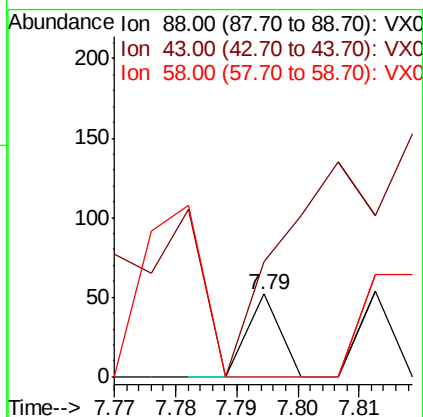
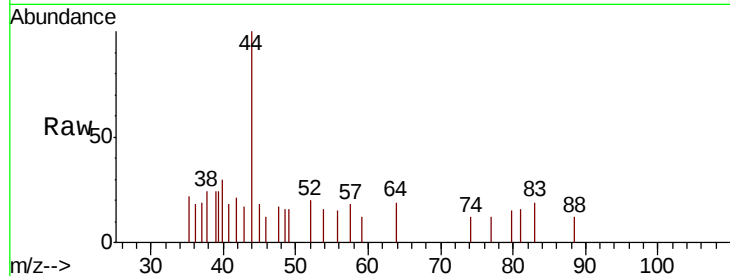




#49
1,4-Dioxane
Concen: 1.069 ug/l
RT: 7.79 min Scan# 1133
Delta R.T. 0.06 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

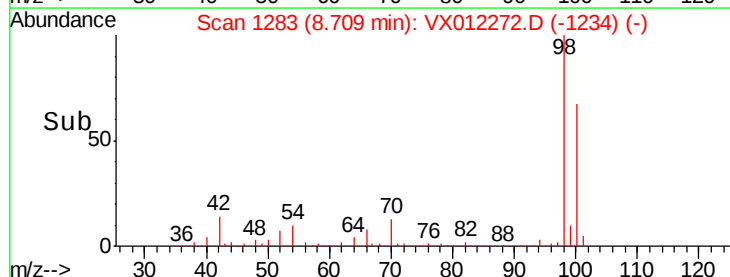
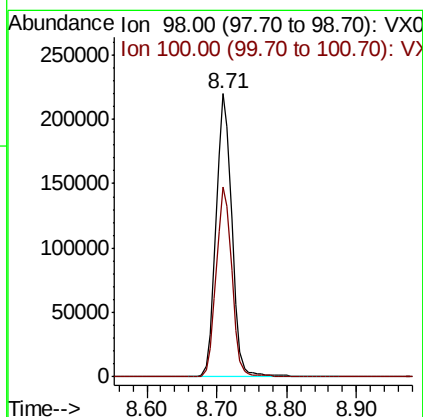
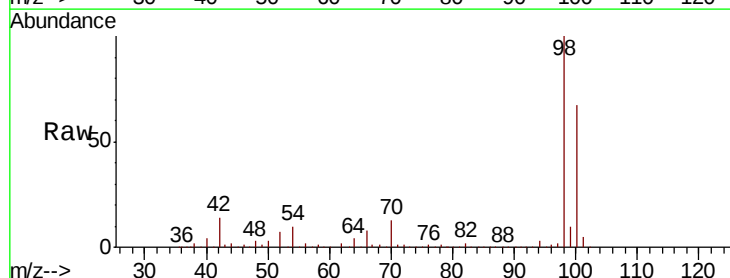
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-E2-(4)

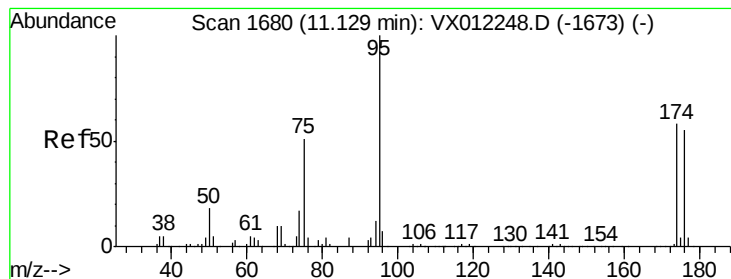
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 473.7 31.0 46.4#
58 384.2 61.5 92.3#



#50
Toluene-d8
Concen: 53.245 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012272.D
Acq: 10 Sep 2019 23:51

Tgt Ion: 98 Resp: 346691
Ion Ratio Lower Upper
98 100
100 66.8 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 42.770 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012272.D

Acq: 10 Sep 2019 23:51

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E2-(4)

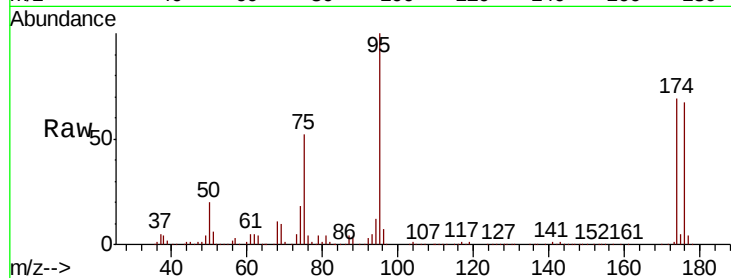
Tgt Ion: 95 Resp: 129105

Ion Ratio Lower Upper

95 100

174 65.6 0.0 127.0

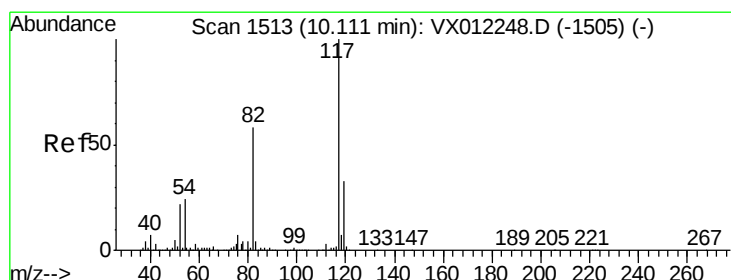
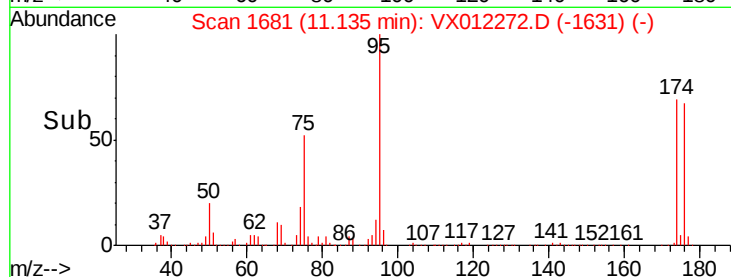
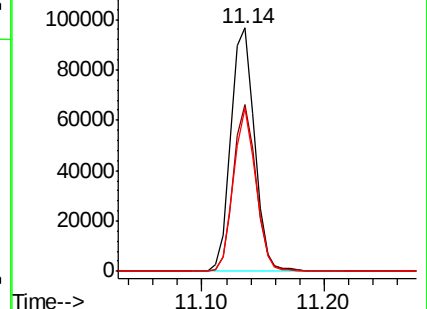
176 63.4 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012272.D

Acq: 10 Sep 2019 23:51

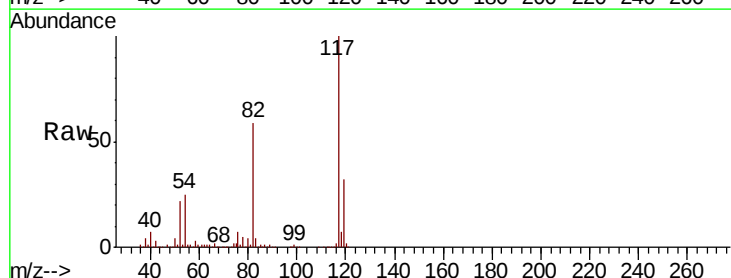
Tgt Ion: 117 Resp: 251518

Ion Ratio Lower Upper

117 100

82 59.5 46.4 69.6

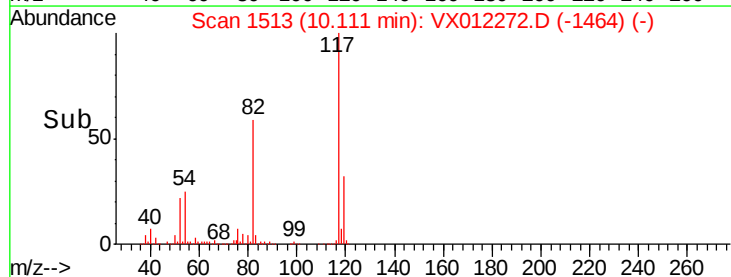
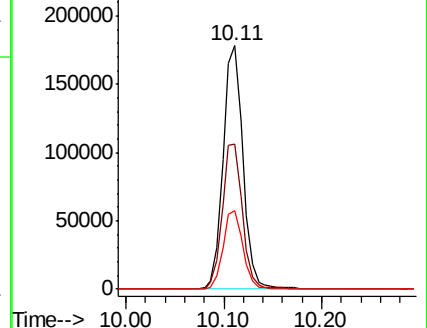
119 32.4 26.6 39.8

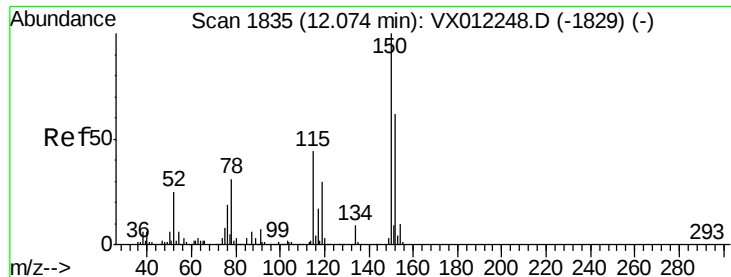


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012272.D

Acq: 10 Sep 2019 23:51

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E2-(4)

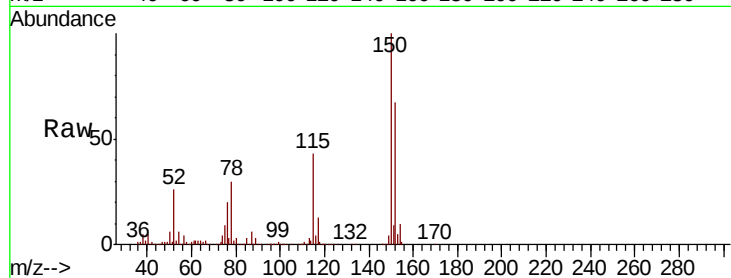
Tgt Ion:152 Resp: 101470

Ion Ratio Lower Upper

152 100

115 64.7 45.5 136.4

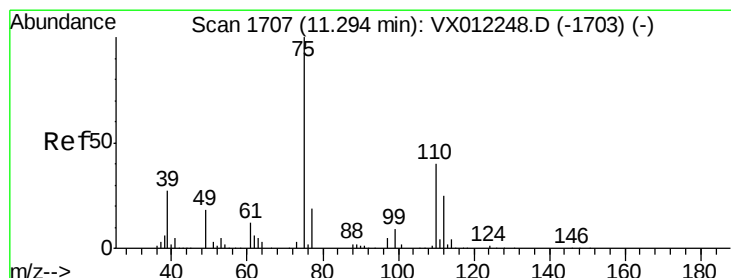
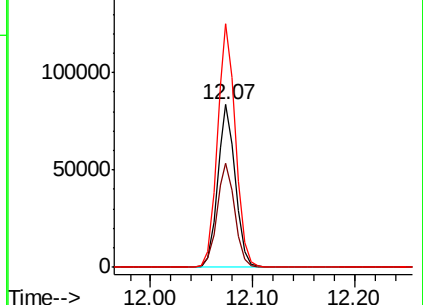
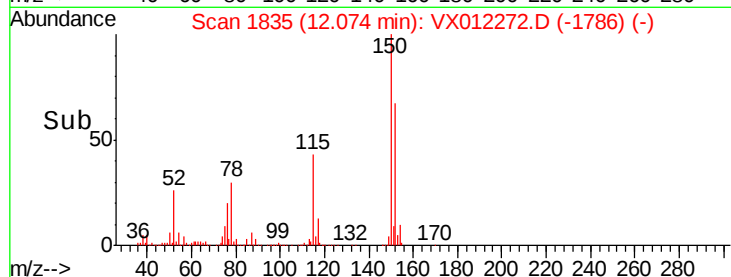
150 153.5 0.0 346.4



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: 52.367 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012272.D

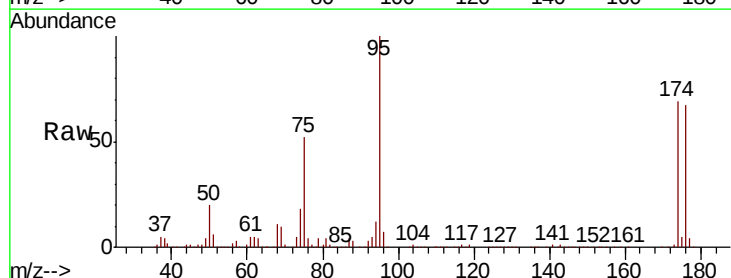
Acq: 10 Sep 2019 23:51

Tgt Ion: 75 Resp: 68262

Ion Ratio Lower Upper

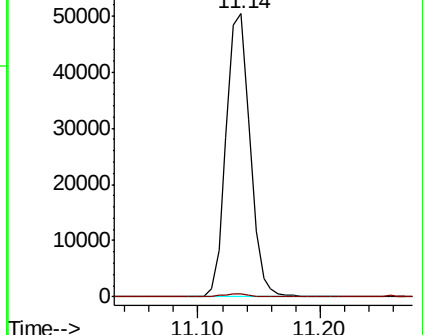
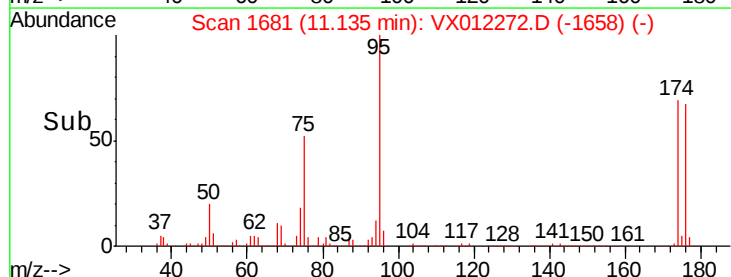
75 100

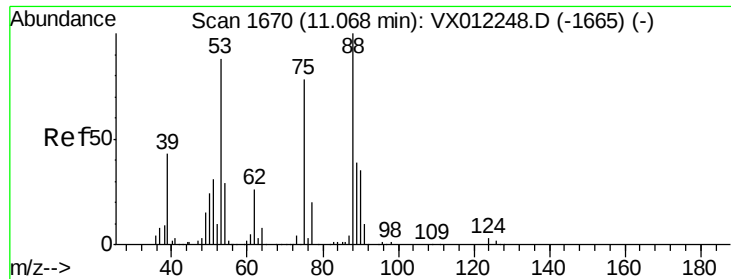
77 1.2 19.7 59.0#



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: 156.903 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012272.D

Acq: 10 Sep 2019 23:51

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E2-(4)

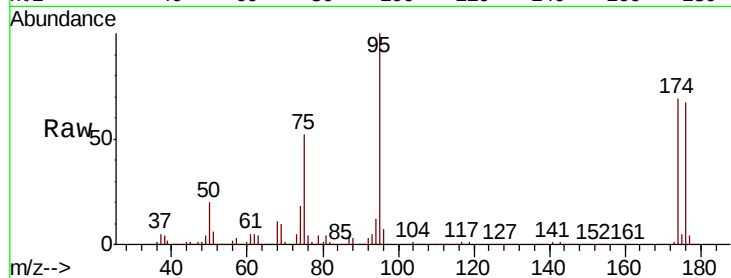
Tgt Ion: 75 Resp: 68262

Ion Ratio Lower Upper

75 100

53 0.1 88.1 132.1#

89 0.0 43.5 65.3#



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

