

Data File : VX012195.D
Acq On : 08 Sep 2019 02:04
Operator : SY/SP
Sample : K4602-18
Misc : 5.79g/5.0mL/MSVOA_X/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-D1-(3.11)

Quant Time: Sep 08 07:49:24 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	5.64	168	150188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	256387	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	102283	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	5.48	113	77416	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	8.71	98	304105	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	11.14	95	115957	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	

Target Compounds

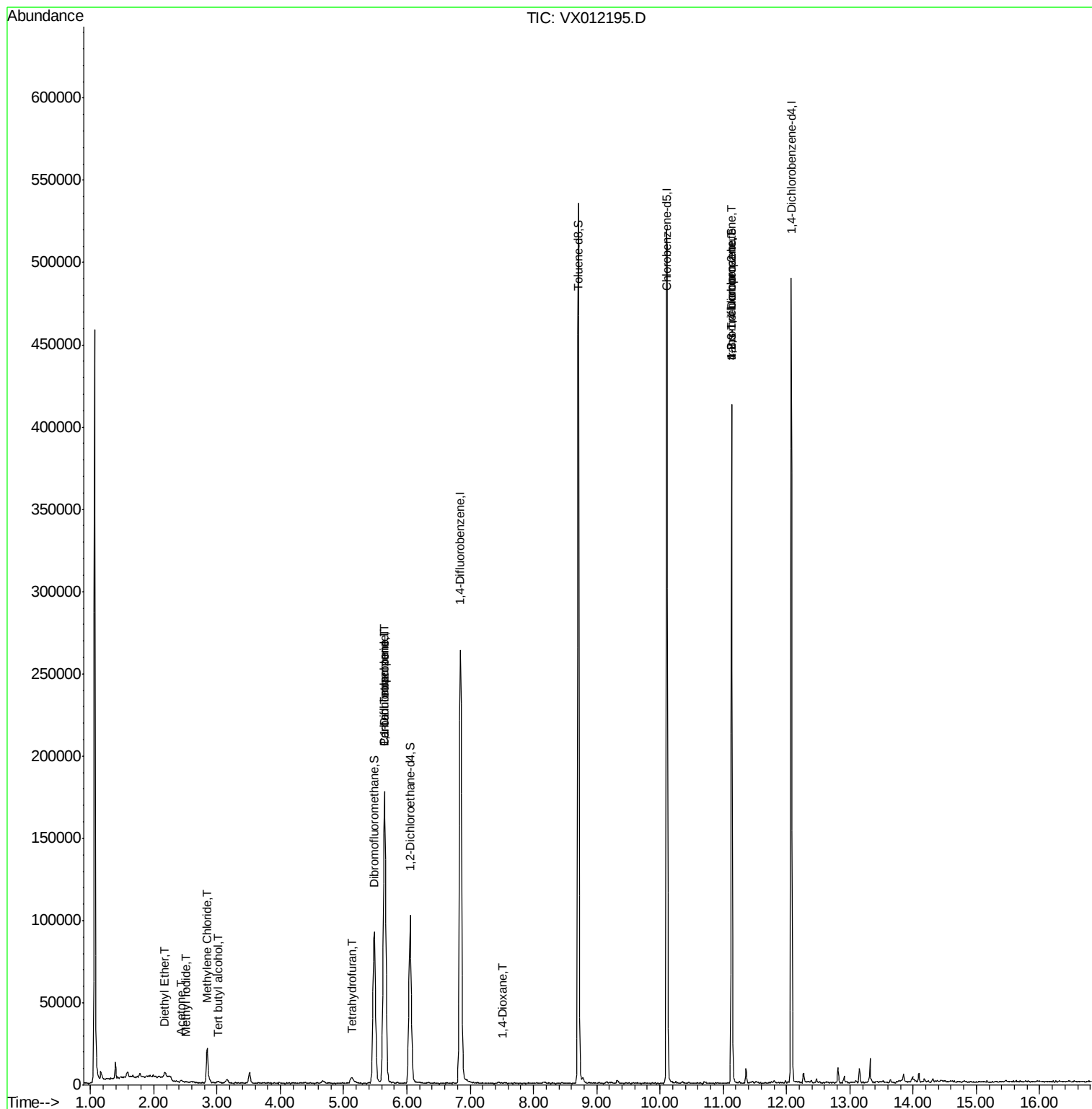
						Qvalue
8) Diethyl Ether	2.17	74	916	1.279	ug/l	53
10) Methyl Iodide	2.51	142	244	7.123	ug/l #	84
11) Tert butyl alcohol	3.03	59	1169	5.873	ug/l #	89
13) Acrolein	2.23	56	42	Below Cal		83
16) Acetone	2.43	43	1827	3.688	ug/l #	82
20) Methylene Chloride	2.84	84	9762	4.908	ug/l	93
29) Tetrahydrofuran	5.14	42	3767	9.916	ug/l #	65
36) 1,1-Dichloropropene	5.64	75	13813	6.117	ug/l #	48
38) Carbon Tetrachloride	5.64	117	17593	7.394	ug/l #	15
49) 1,4-Dioxane	7.51	88	23	1.344	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	61414	55.338	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	61414	130.827	ug/l #	10

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

Instrument :

MSVOA_X

ClientSampleId :

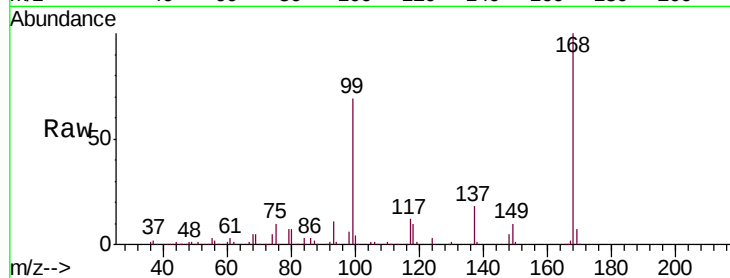
PAR-D1-(3.11)

Tgt Ion:168 Resp: 150188

Ion Ratio Lower Upper

168 100

99 68.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): VX012021.D (-768) (-)

Ion 98.90 (98.60 to 99.60): VX012021.D (-768) (-)

5.64

60000

50000

40000

30000

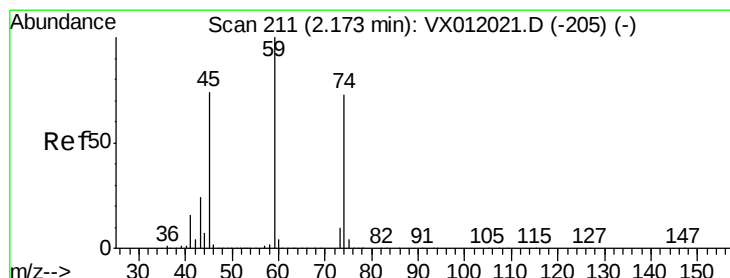
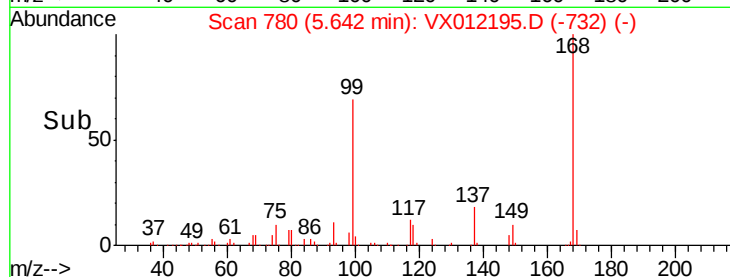
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.279 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012195.D

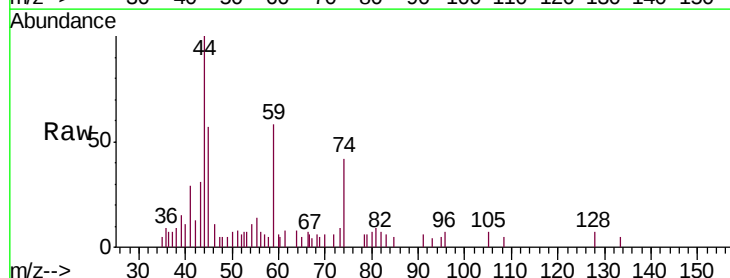
Acq: 08 Sep 2019 02:04

Tgt Ion: 74 Resp: 916

Ion Ratio Lower Upper

74 100

45 136.0 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX012021.D (-205) (-)

Ion 45.00 (44.70 to 45.70): VX012021.D (-205) (-)

800

600

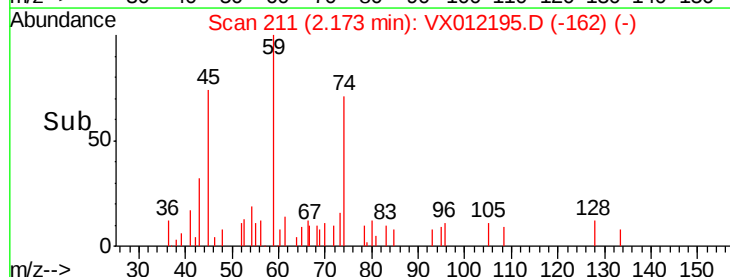
400

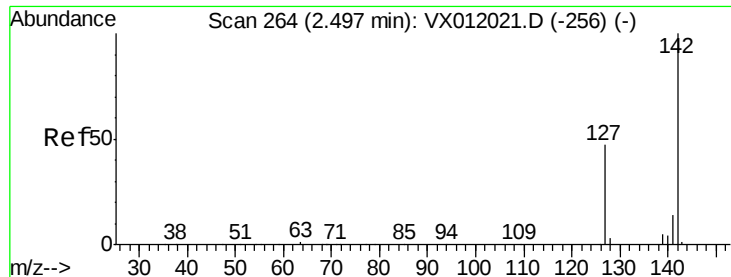
200

0

Time-->

2.15 2.20

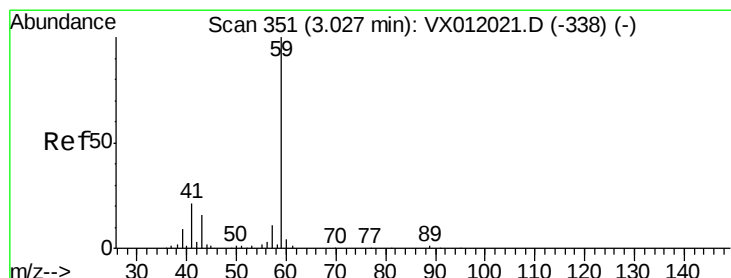
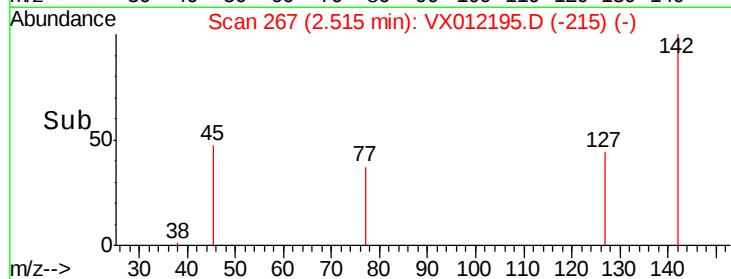
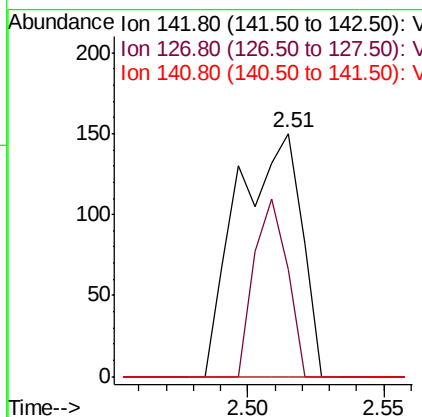
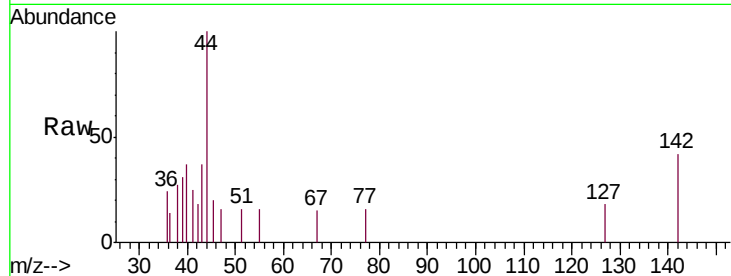




#10
Methyl Iodide
Concen: 7.123 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX012195.D
Acq: 08 Sep 2019 02:04

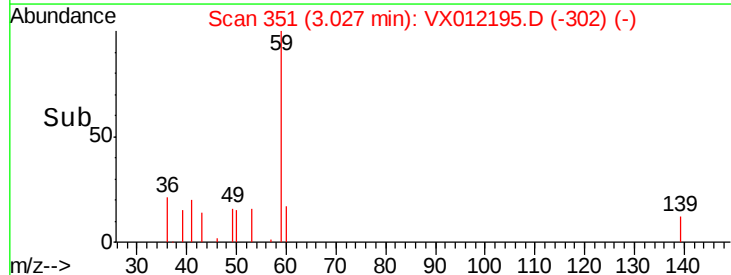
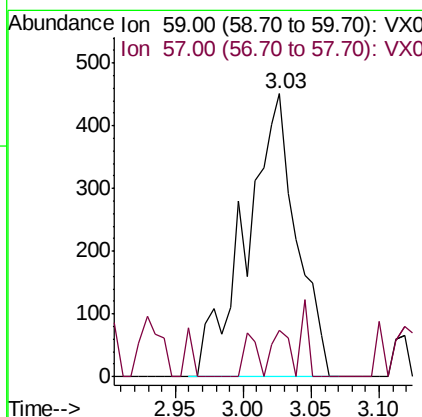
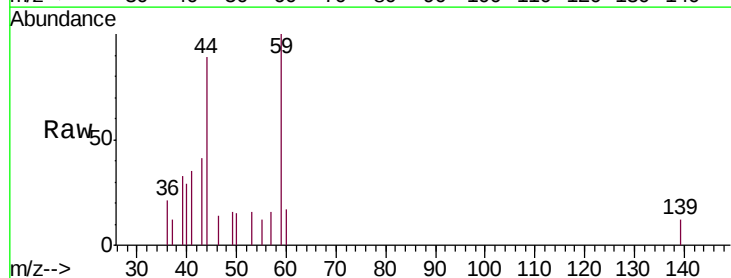
Instrument :
MSVOA_X
ClientSampleId :
PAR-D1-(3.11)

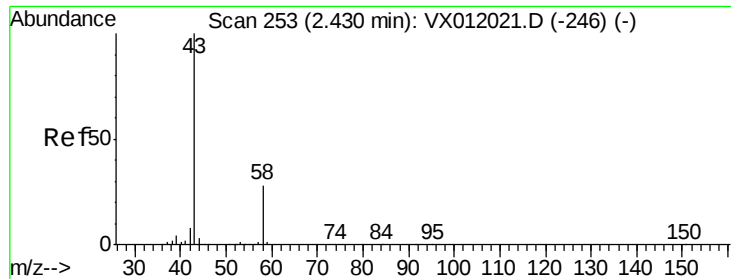
Tgt Ion: 142 Resp: 244
Ion Ratio Lower Upper
142 100
127 38.1 35.4 53.2
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 5.873 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012195.D
Acq: 08 Sep 2019 02:04

Tgt Ion: 59 Resp: 1169
Ion Ratio Lower Upper
59 100
57 5.8 7.9 11.9#





#16

Acetone

Concen: 3.688 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

Instrument :

MSVOA_X

ClientSampleId :

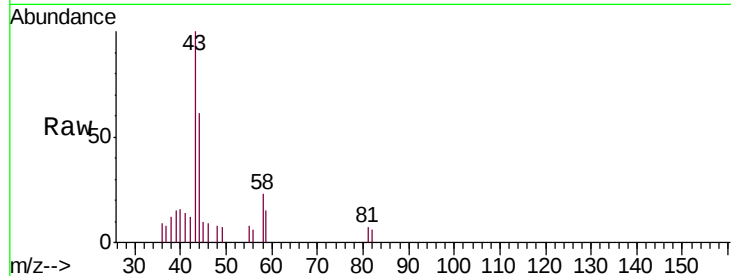
PAR-D1-(3.11)

Tgt Ion: 43 Resp: 1827

Ion Ratio Lower Upper

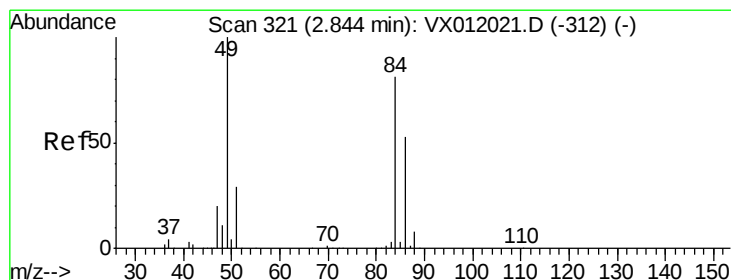
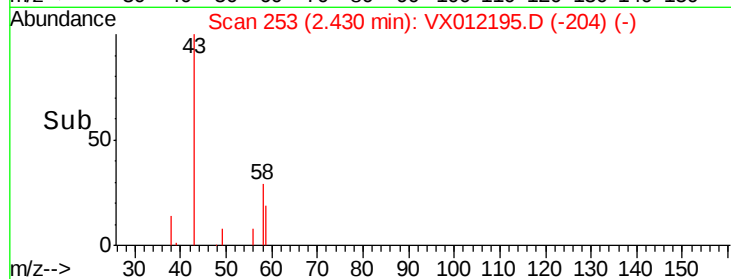
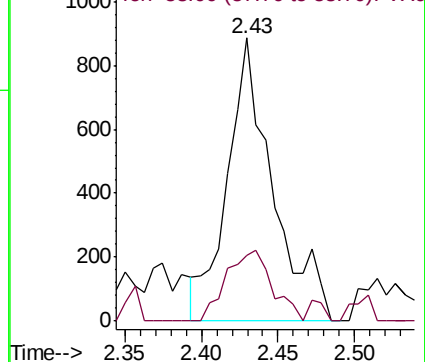
43 100

58 38.1 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 4.908 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

Tgt Ion: 84 Resp: 9762

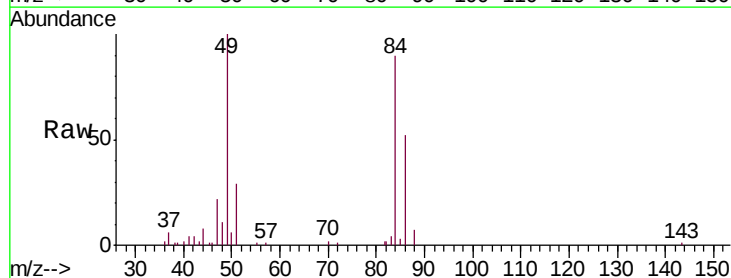
Ion Ratio Lower Upper

84 100

49 111.7 95.8 143.8

51 32.6 28.6 43.0

86 58.4 50.9 76.3

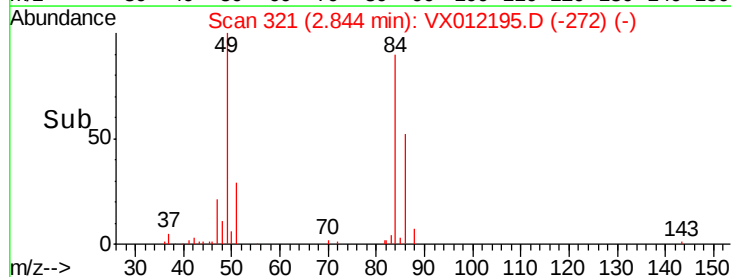
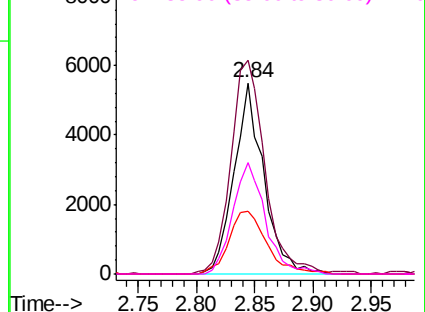


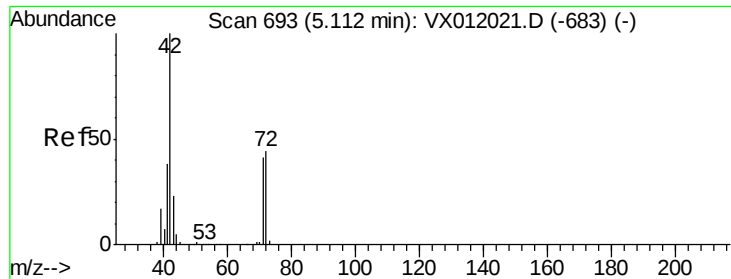
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

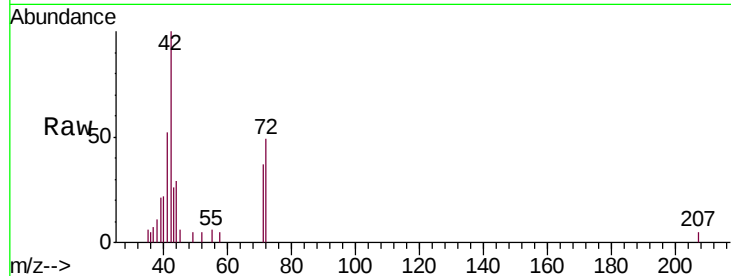




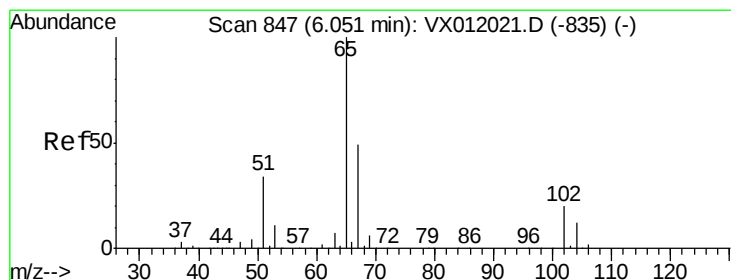
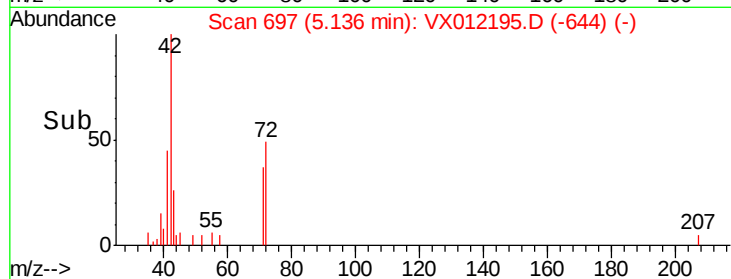
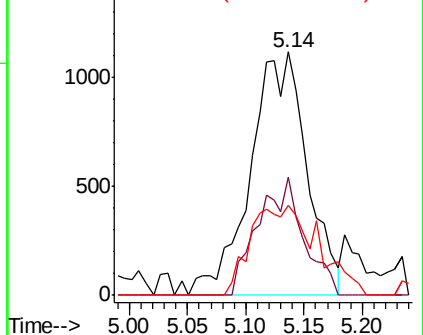
#29
Tetrahydrofuran
Concen: 9.916 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX012195.D
Acq: 08 Sep 2019 02:04

Instrument :
MSVOA_X
ClientSampleId :
PAR-D1-(3.11)

Tgt Ion: 42 Resp: 3767
Ion Ratio Lower Upper
42 100
72 21.8 37.0 55.4#
71 21.5 33.8 50.8#

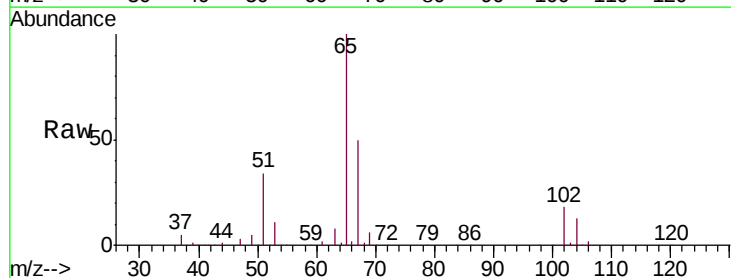


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

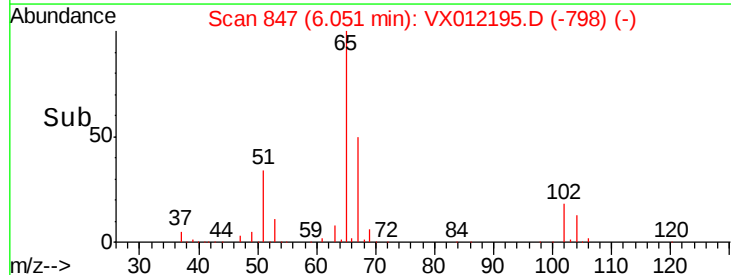
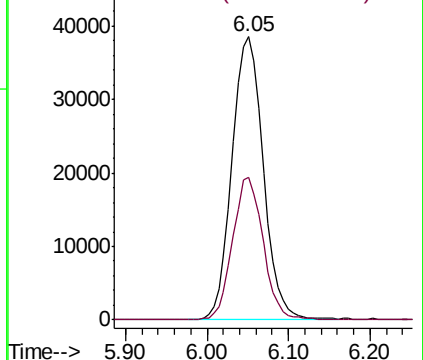


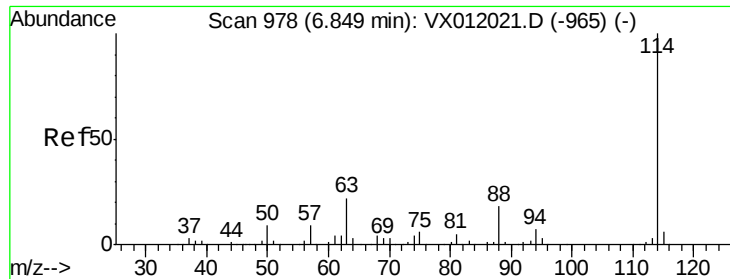
#33
1,2-Dichloroethane-d4
Concen: 49.357 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012195.D
Acq: 08 Sep 2019 02:04

Tgt Ion: 65 Resp: 102283
Ion Ratio Lower Upper
65 100
67 49.1 0.0 102.0



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

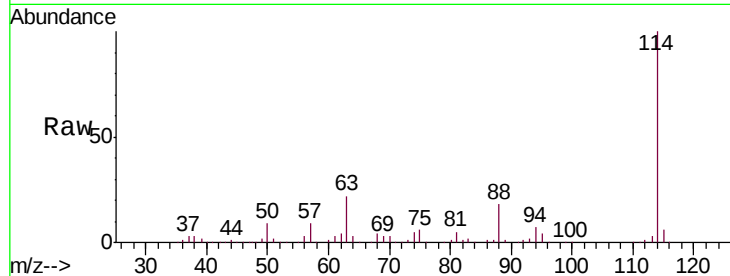




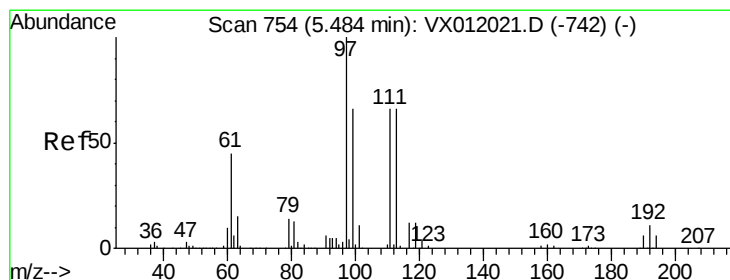
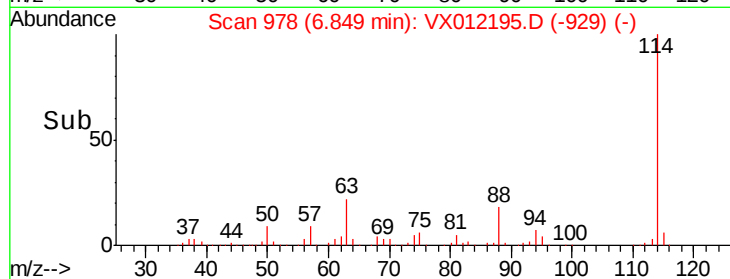
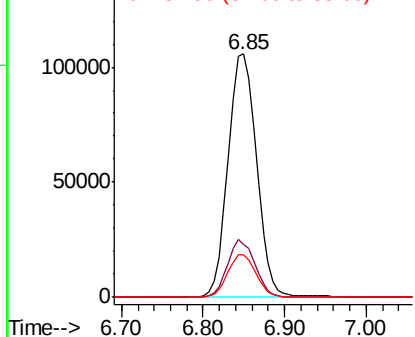
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012195.D
 Acq: 08 Sep 2019 02:04

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-D1-(3.11)

Tgt Ion:114 Resp: 256387
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 37.4
 88 17.6 0.0 29.6

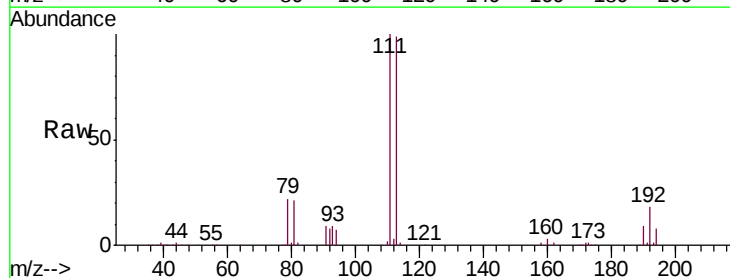


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

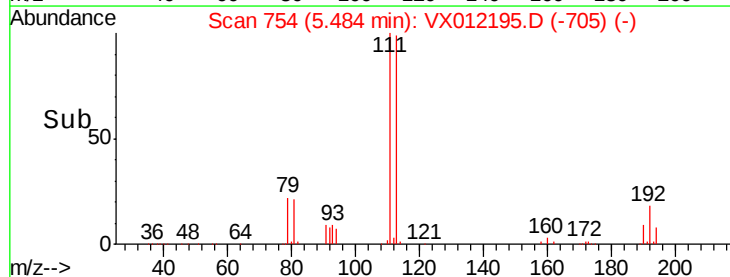
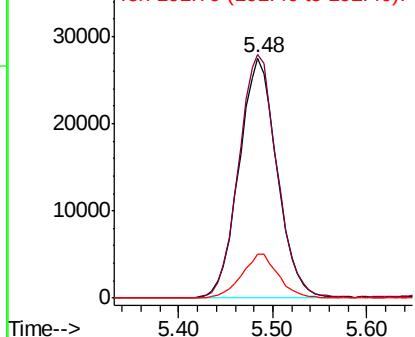


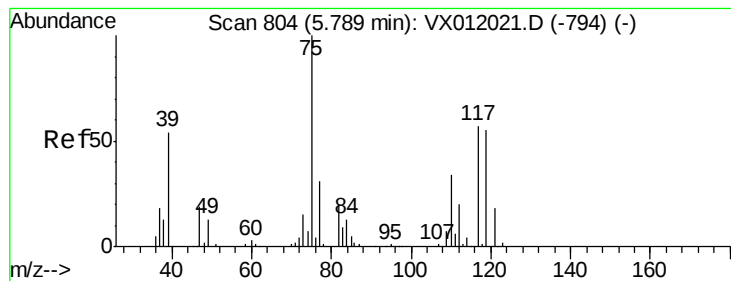
#35
 Dibromofluoromethane
 Concen: 49.100 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012195.D
 Acq: 08 Sep 2019 02:04

Tgt Ion:113 Resp: 77416
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.7 122.5
 192 17.7 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: 6.117 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

Instrument :

MSVOA_X

ClientSampleId :

PAR-D1-(3.11)

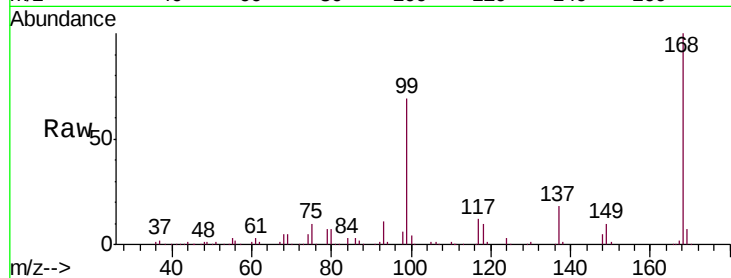
Tgt Ion: 75 Resp: 13813

Ion Ratio Lower Upper

75 100

110 9.5 19.5 58.5#

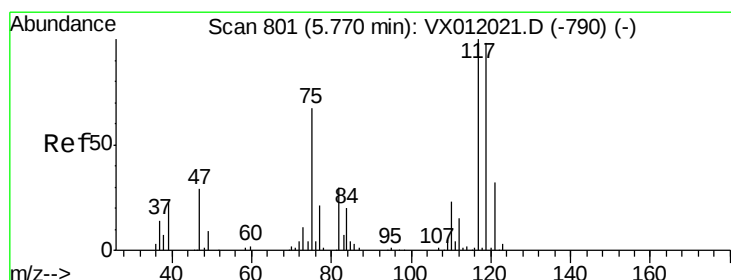
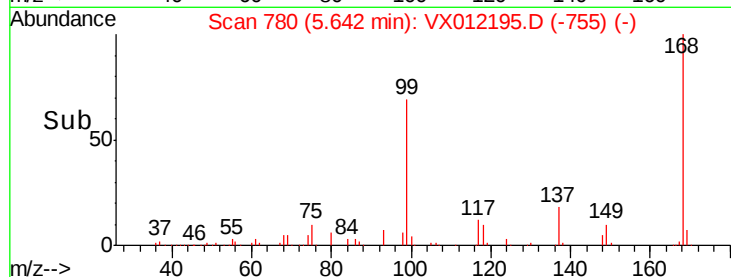
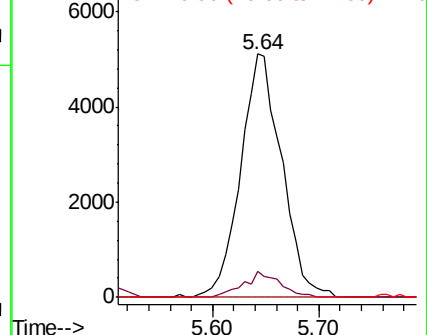
77 0.0 24.6 37.0#



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: 7.394 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

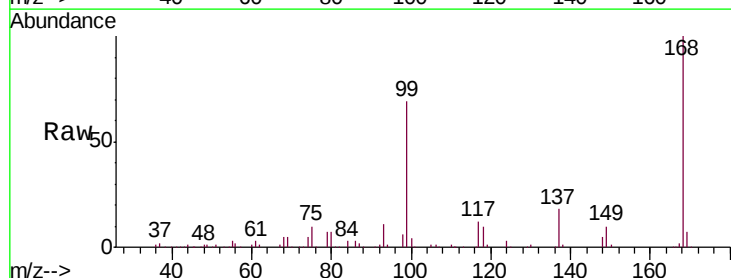
Tgt Ion: 117 Resp: 17593

Ion Ratio Lower Upper

117 100

119 4.8 78.3 117.5#

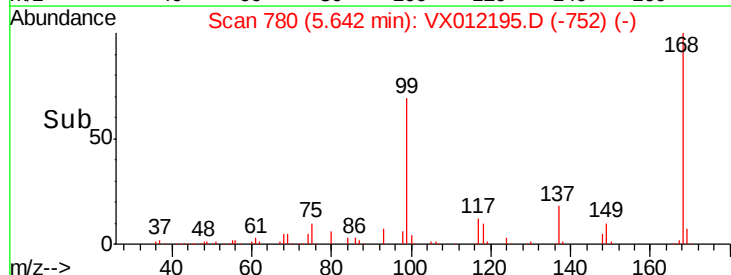
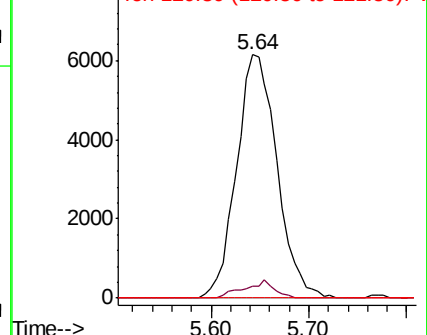
121 0.0 24.2 36.2#

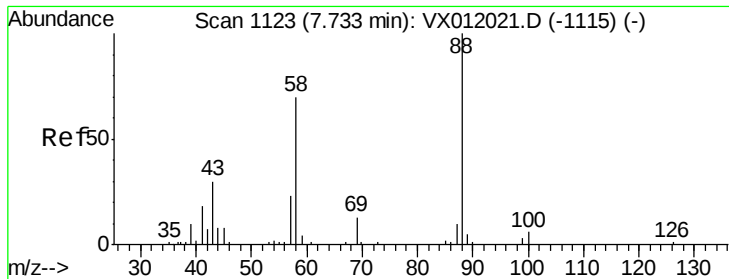


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

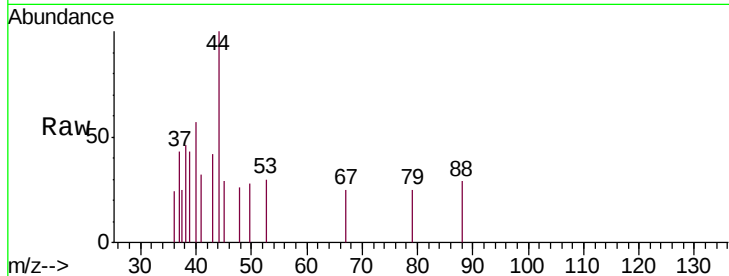




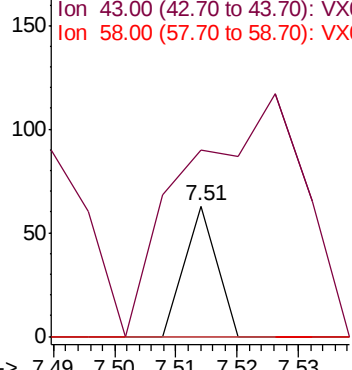
#49
1,4-Dioxane
Concen: 1.344 ug/l
RT: 7.51 min Scan# 1087
Delta R.T. -0.21 min
Lab File: VX012195.D
Acq: 08 Sep 2019 02:04

Instrument :
MSVOA_X
ClientSampleId :
PAR-D1-(3.11)

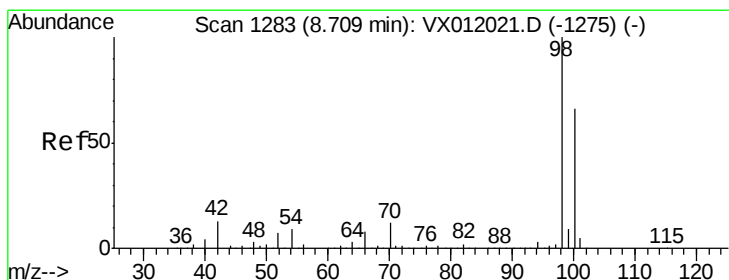
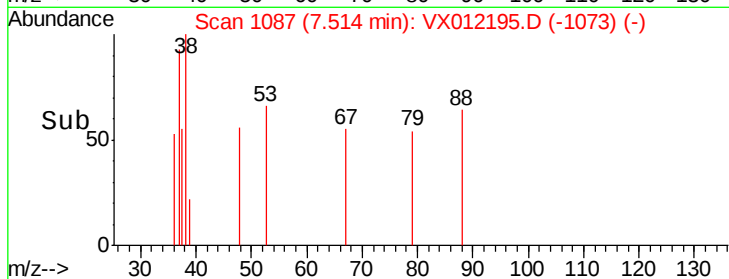
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 678.3 29.8 44.6#
58 0.0 55.4 83.2#



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

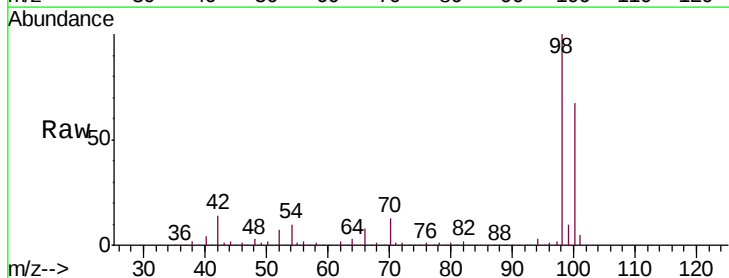


Time--> 7.49 7.50 7.51 7.52 7.53

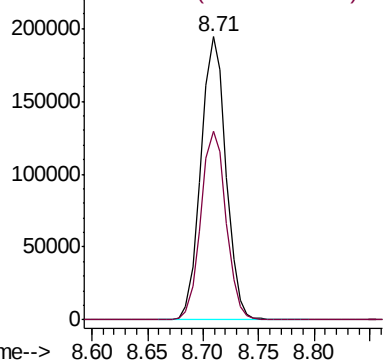


#50
Toluene-d8
Concen: 52.561 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012195.D
Acq: 08 Sep 2019 02:04

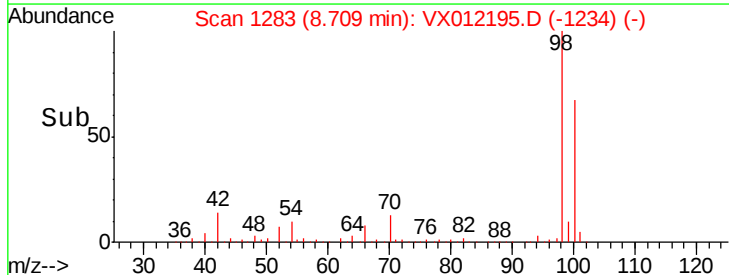
Tgt Ion: 98 Resp: 304105
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9

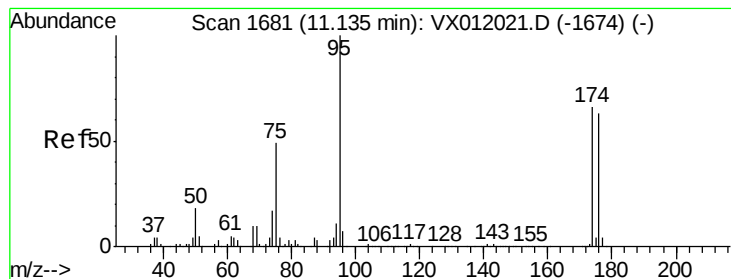


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V



Time--> 8.60 8.65 8.70 8.75 8.80





#62

4-Bromofluorobenzene

Concen: 43.095 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

Instrument :

MSVOA_X

ClientSampleId :

PAR-D1-(3.11)

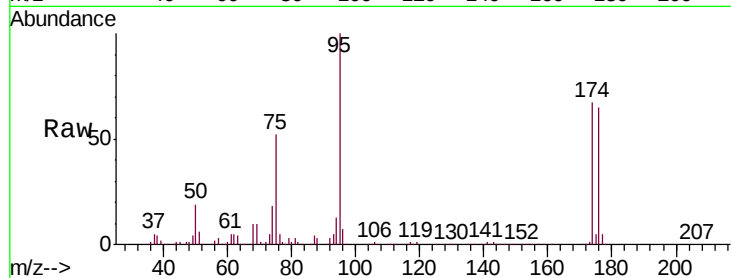
Tgt Ion: 95 Resp: 115957

Ion Ratio Lower Upper

95 100

174 65.3 0.0 205.4

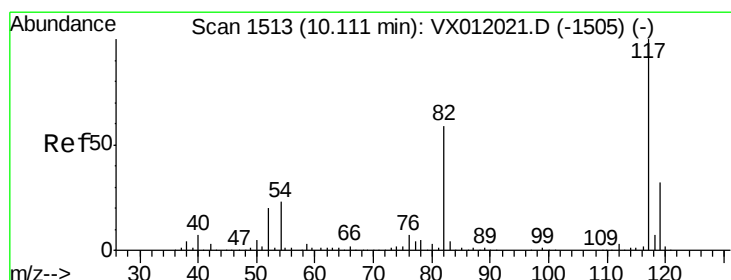
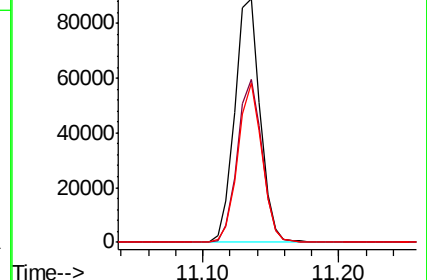
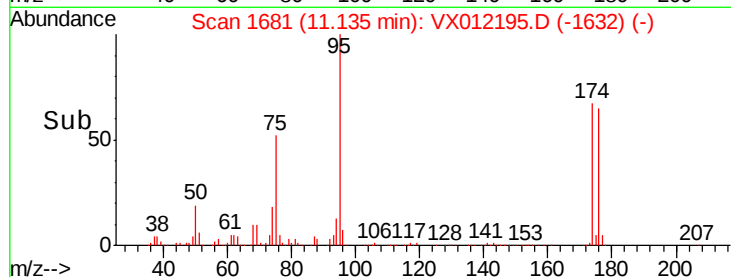
176 62.4 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012195.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012195.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012195.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

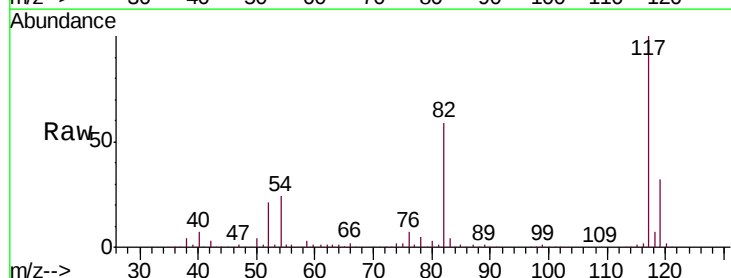
Tgt Ion: 117 Resp: 220490

Ion Ratio Lower Upper

117 100

82 58.7 39.4 59.0

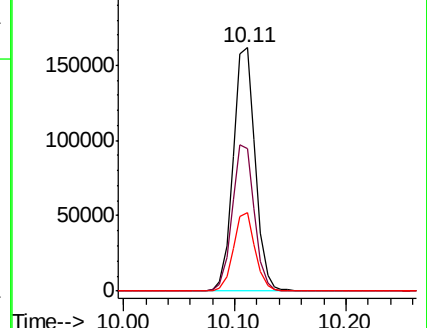
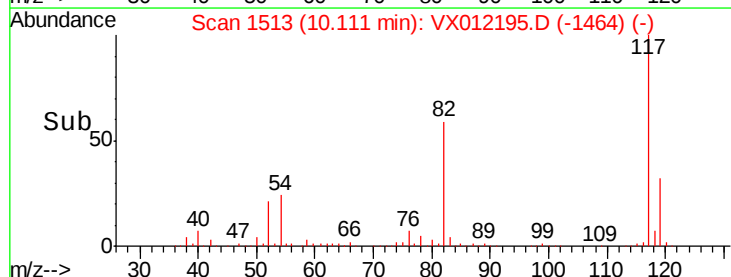
119 32.4 26.1 39.1

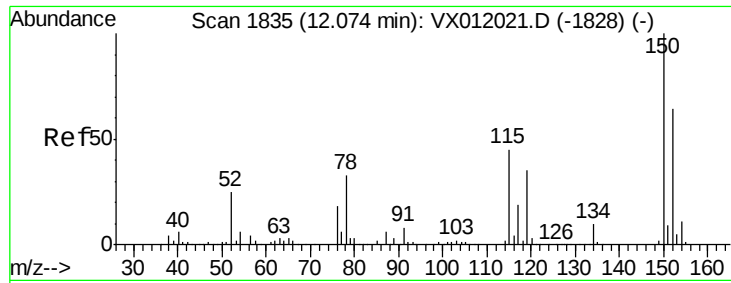


Abundance Ion 116.90 (116.60 to 117.60): VX012195.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012195.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012195.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: VX012195.D

Acq: 08 Sep 2019 02:04

Instrument :

MSVOA_X

ClientSampleId :

PAR-D1-(3.11)

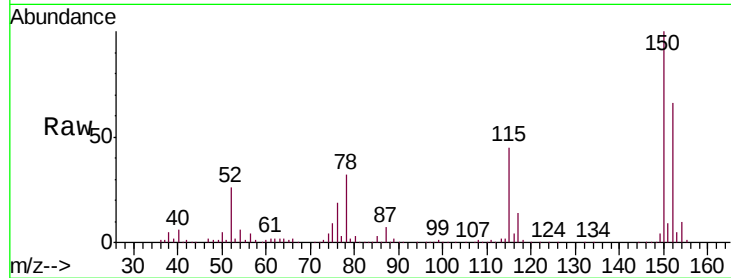
Tgt Ion:152 Resp: 90830

Ion Ratio Lower Upper

152 100

115 66.8 36.4 109.3

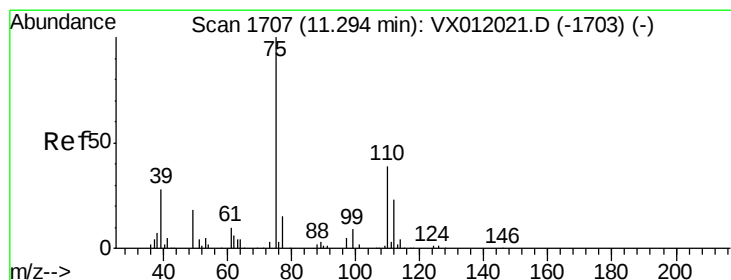
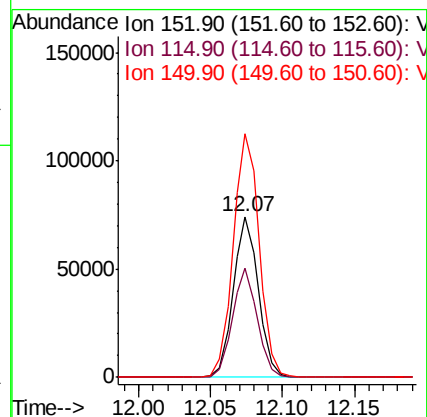
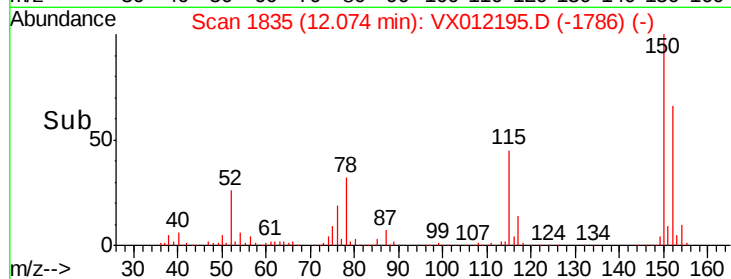
150 157.1 0.0 341.2



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: 55.338 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012195.D

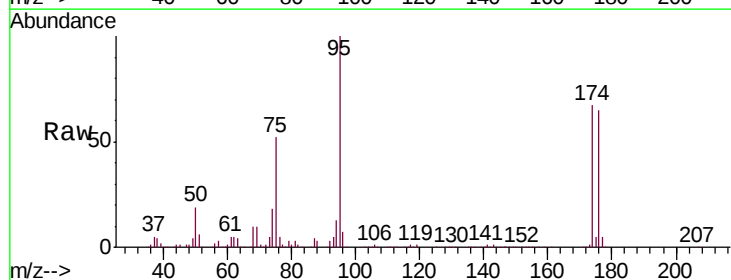
Acq: 08 Sep 2019 02:04

Tgt Ion: 75 Resp: 61414

Ion Ratio Lower Upper

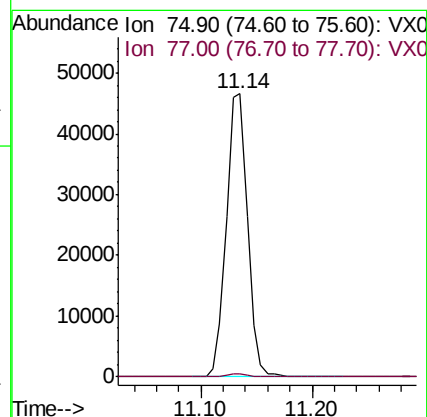
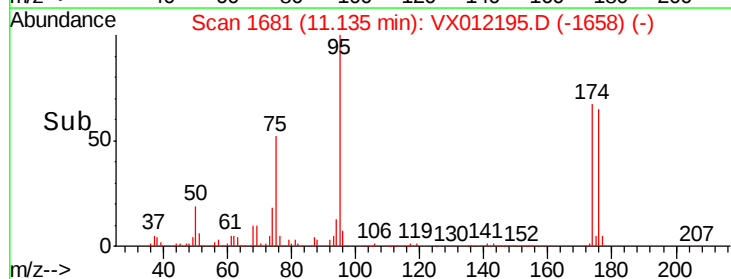
75 100

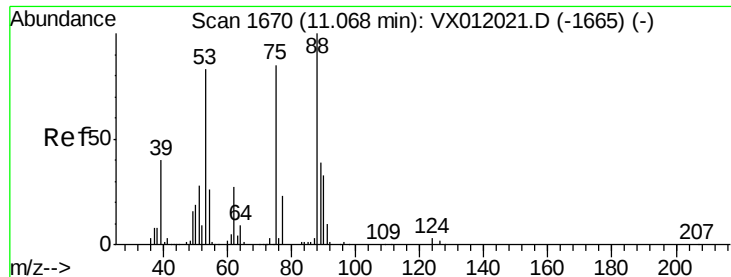
77 1.1 23.5 70.5#



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: 130.827 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012195.D

Acq: 08 Sep 2019 02:04

Instrument :

MSVOA_X

ClientSampleId :

PAR-D1-(3.11)

Tgt Ion: 75 Resp: 61414

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

