

Data File : VX012197.D
Acq On : 08 Sep 2019 03:00
Operator : SY/SP
Sample : K4602-20
Misc : 5.98g/5.0mL/MSVOA_X/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-D3-(3.11)

Quant Time: Sep 08 07:50:00 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	149459	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257005	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	221302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	92172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103533	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	5.48	113	77387	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	8.71	98	304694	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	11.14	95	115675	42.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.78%	

Target Compounds

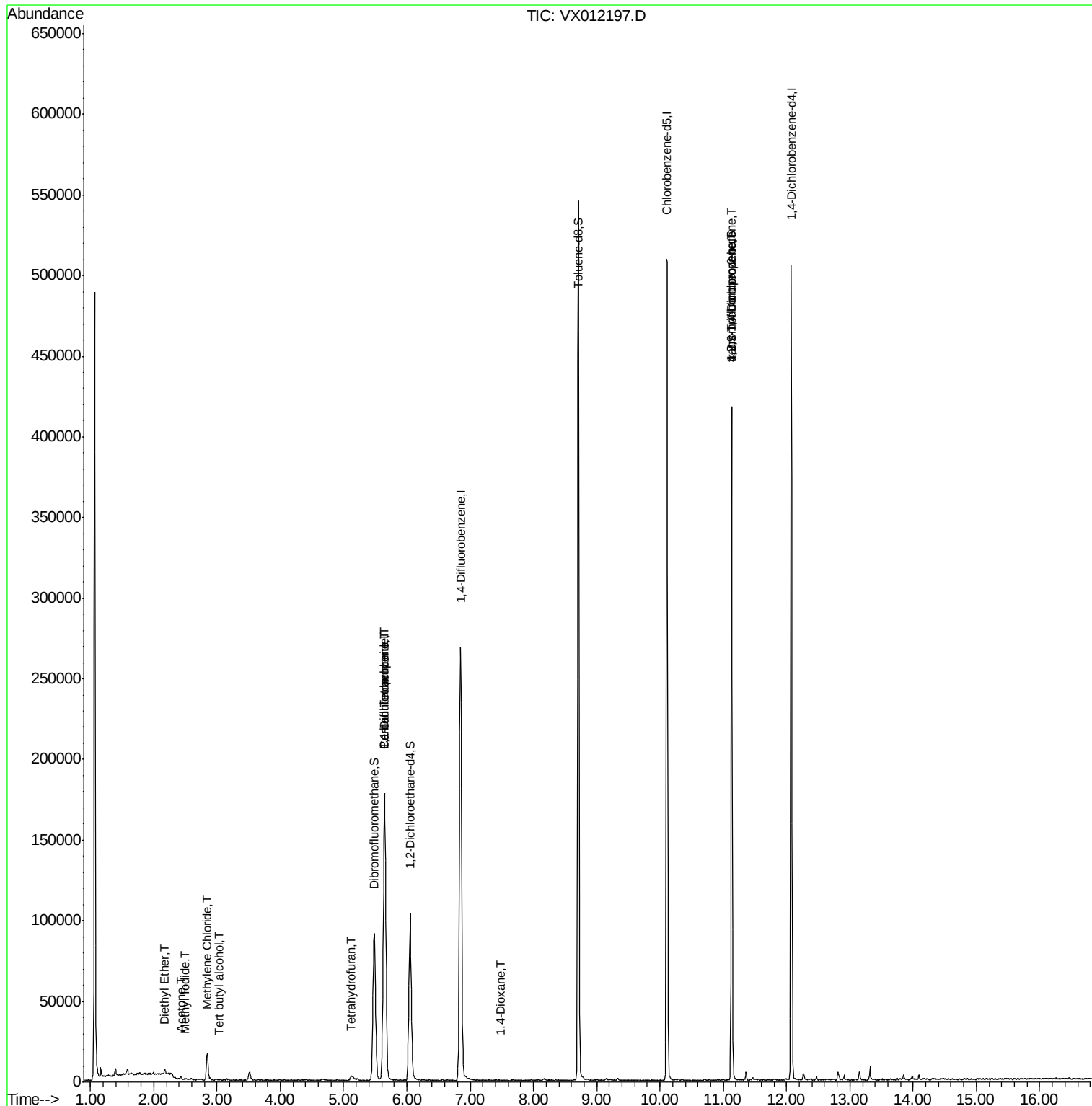
						Qvalue
8) Diethyl Ether	2.17	74	943	1.323	ug/l	91
10) Methyl Iodide	2.50	142	117	7.053	ug/l #	85
11) Tert butyl alcohol	3.03	59	534	2.696	ug/l	98
13) Acrolein	2.30	56	472	Below Cal	#	12
16) Acetone	2.43	43	1702	3.453	ug/l	89
20) Methylene Chloride	2.84	84	8075	4.080	ug/l	95
29) Tetrahydrofuran	5.12	42	3370	8.914	ug/l #	91
36) 1,1-Dichloropropene	5.64	75	13979	6.176	ug/l #	49
38) Carbon Tetrachloride	5.64	117	17668	7.407	ug/l #	14
49) 1,4-Dioxane	7.47	88	19	1.108	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	61389	54.510	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	61389	128.870	ug/l #	10

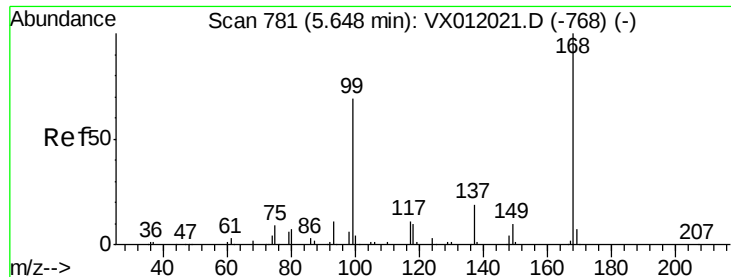
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX012197.D

Acq: 08 Sep 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

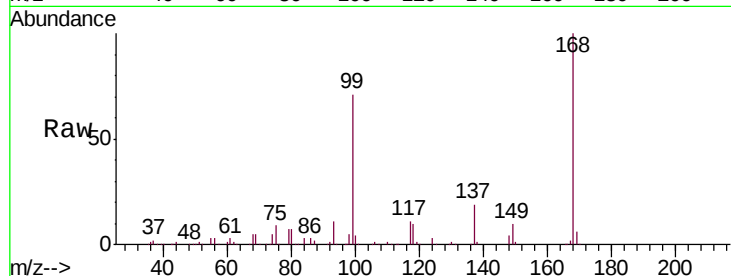
PAR-D3-(3.11)

Tgt Ion:168 Resp: 149459

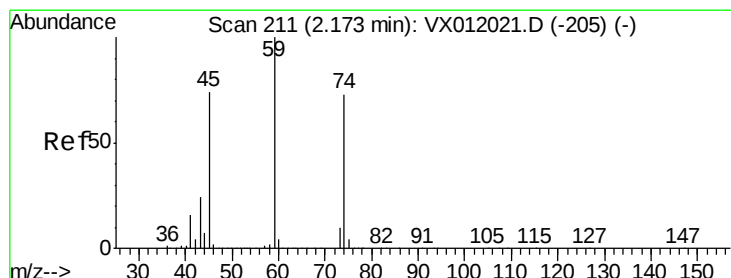
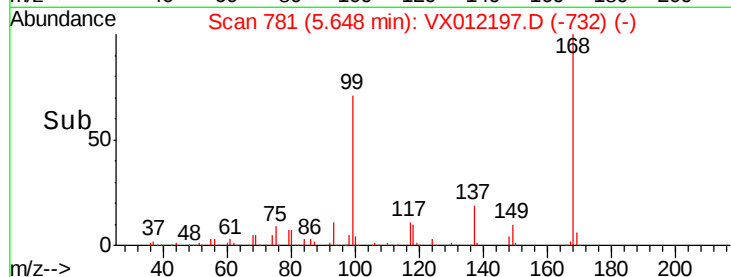
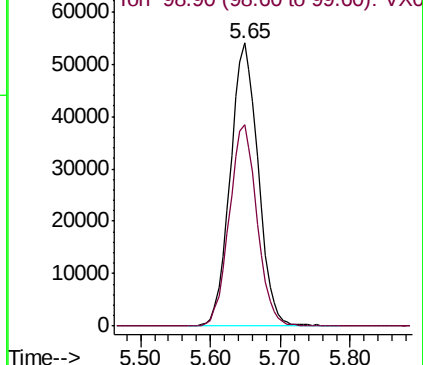
Ion Ratio Lower Upper

168 100

99 71.0 37.6 56.4#



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



#8

Diethyl Ether

Concen: 1.323 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012197.D

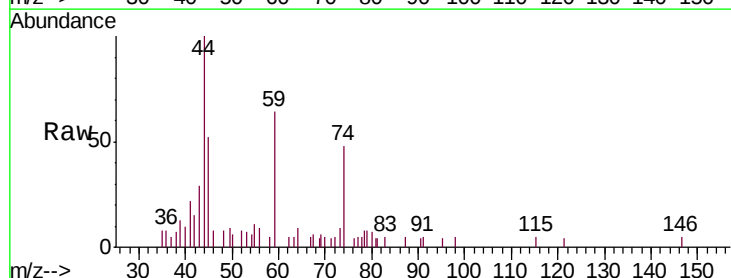
Acq: 08 Sep 2019 03:00

Tgt Ion: 74 Resp: 943

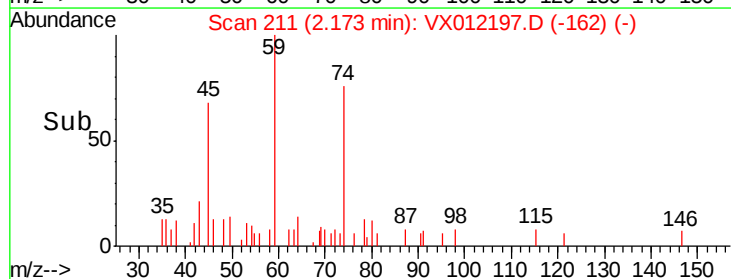
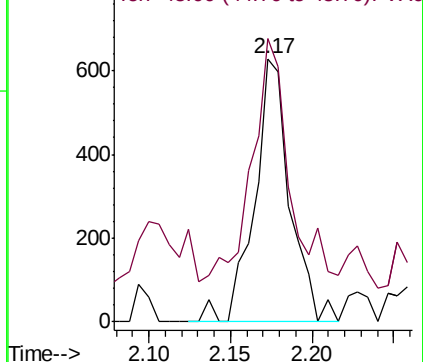
Ion Ratio Lower Upper

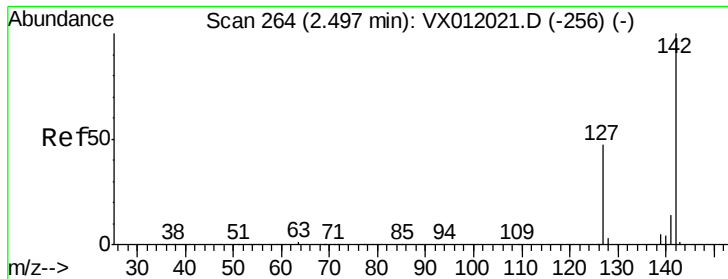
74 100

45 100.3 45.9 137.6



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

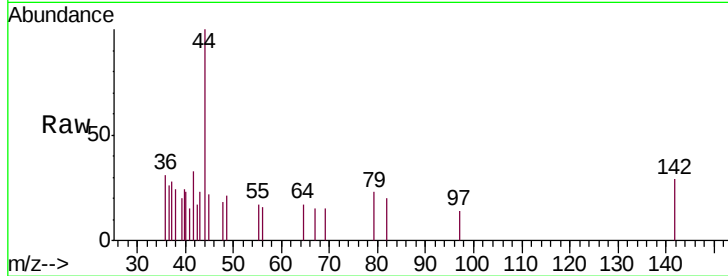




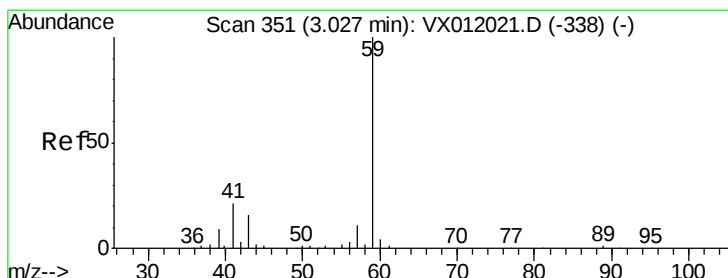
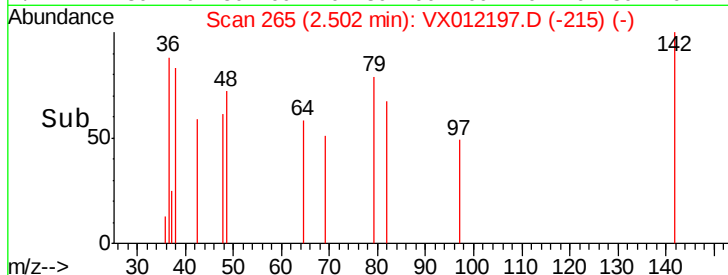
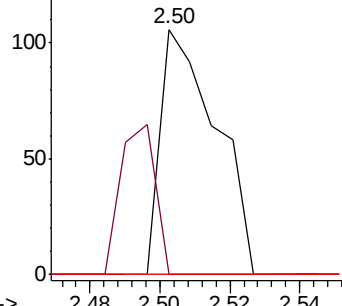
#10
Methyl Iodide
Concen: 7.053 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012197.D
Acq: 08 Sep 2019 03:00

Instrument :
MSVOA_X
ClientSampleId :
PAR-D3-(3.11)

Tgt Ion: 142 Resp: 117
Ion Ratio Lower Upper
142 100
127 38.5 35.4 53.2
141 0.0 11.4 17.2#

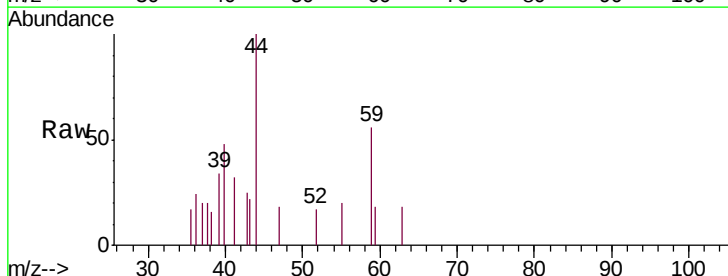


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

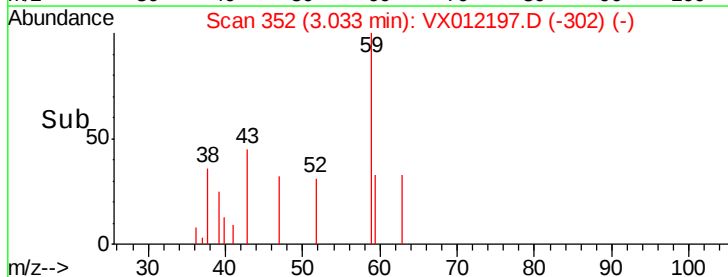
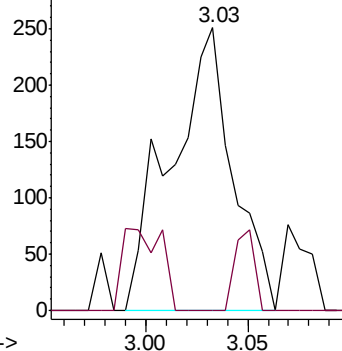


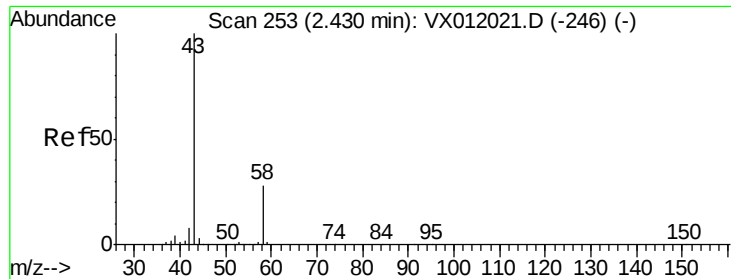
#11
Tert butyl alcohol
Concen: 2.696 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012197.D
Acq: 08 Sep 2019 03:00

Tgt Ion: 59 Resp: 534
Ion Ratio Lower Upper
59 100
57 9.2 7.9 11.9



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





#16

Acetone

Concen: 3.453 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012197.D

Acq: 08 Sep 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

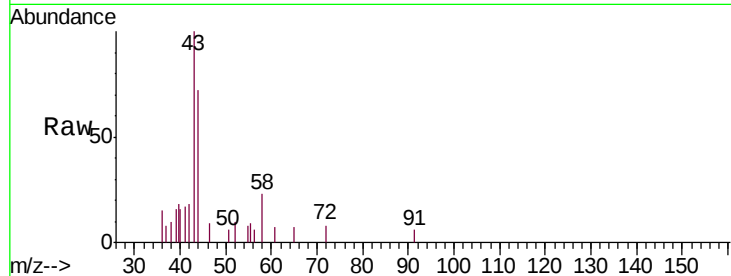
PAR-D3-(3.11)

Tgt Ion: 43 Resp: 1702

Ion Ratio Lower Upper

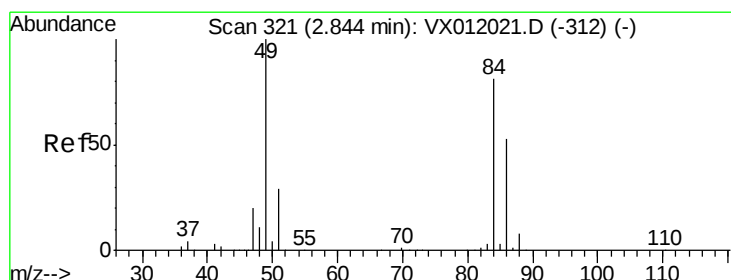
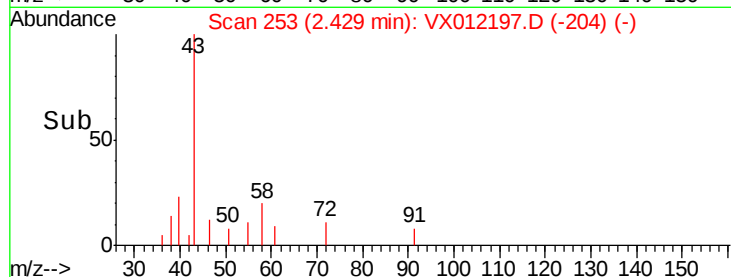
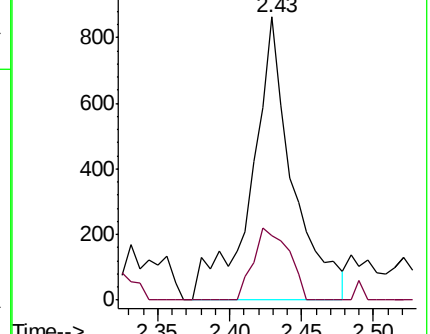
43 100

58 22.8 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: 4.080 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012197.D

Acq: 08 Sep 2019 03:00

Tgt Ion: 84 Resp: 8075

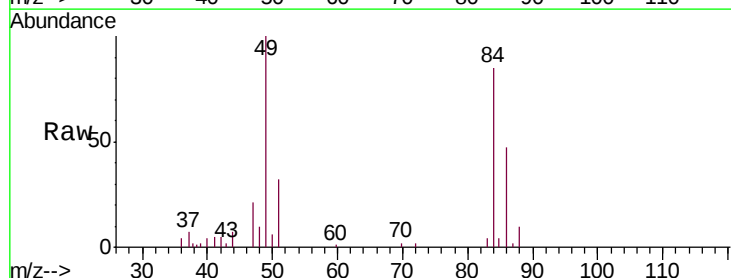
Ion Ratio Lower Upper

84 100

49 117.7 95.8 143.8

51 37.9 28.6 43.0

86 55.7 50.9 76.3

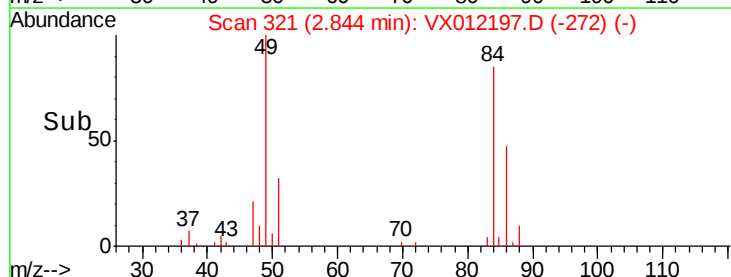
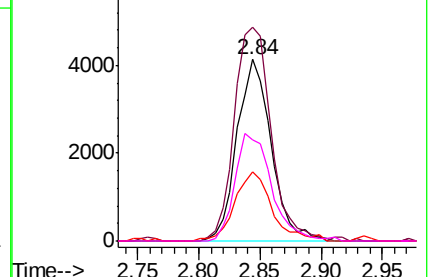


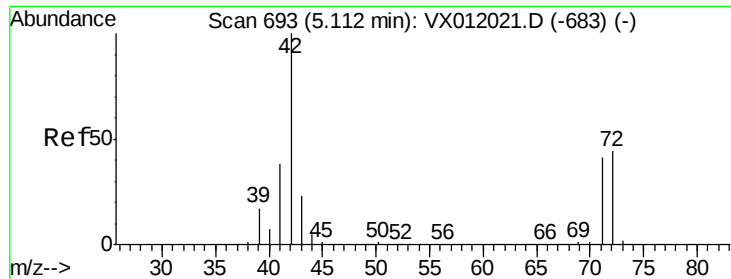
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

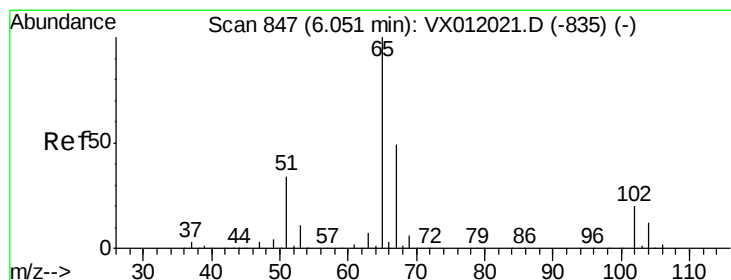
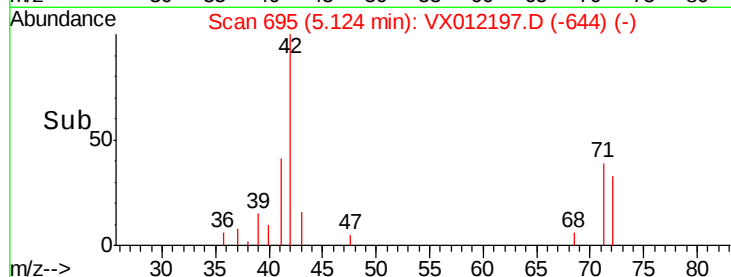
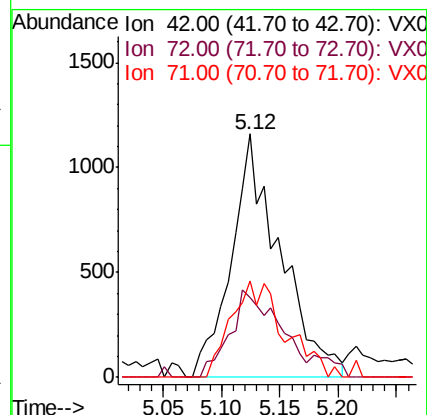
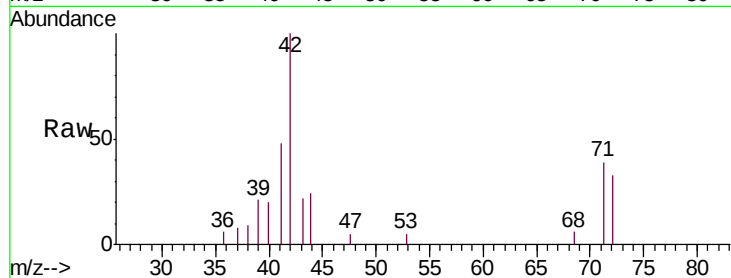




#29
Tetrahydrofuran
Concen: 8.914 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012197.D
Acq: 08 Sep 2019 03:00

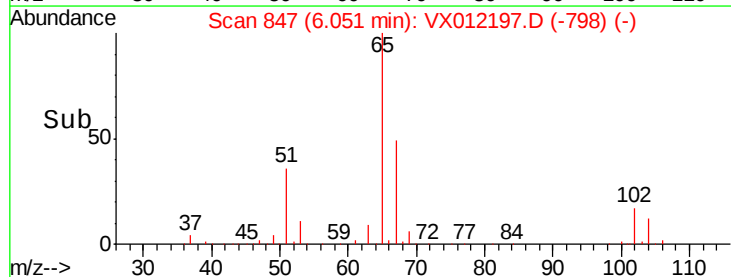
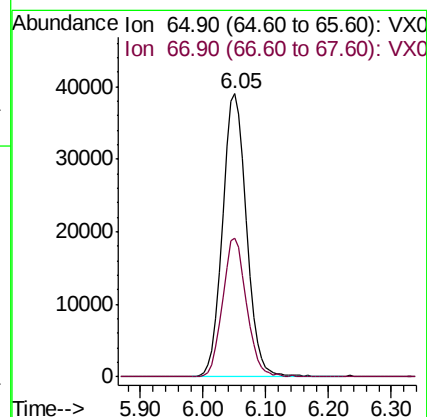
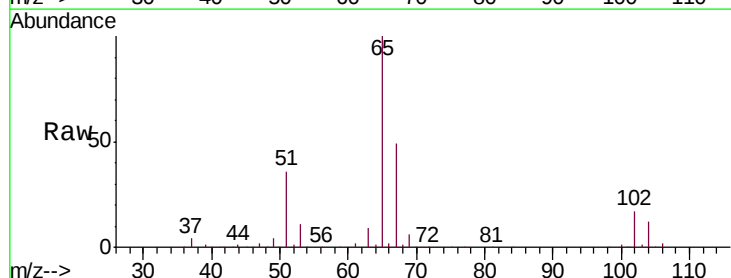
Instrument :
MSVOA_X
ClientSampleId :
PAR-D3-(3.11)

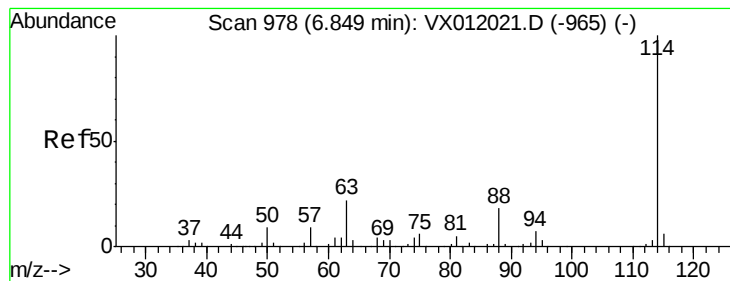
Tgt Ion: 42 Resp: 3370
Ion Ratio Lower Upper
42 100
72 36.0 37.0 55.4#
71 43.3 33.8 50.8



#33
1,2-Dichloroethane-d4
Concen: 50.204 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012197.D
Acq: 08 Sep 2019 03:00

Tgt Ion: 65 Resp: 103533
Ion Ratio Lower Upper
65 100
67 48.8 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012197.D

Acq: 08 Sep 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

PAR-D3-(3.11)

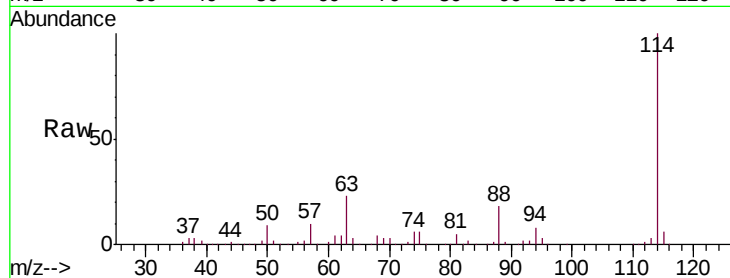
Tgt Ion:114 Resp: 257005

Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.4

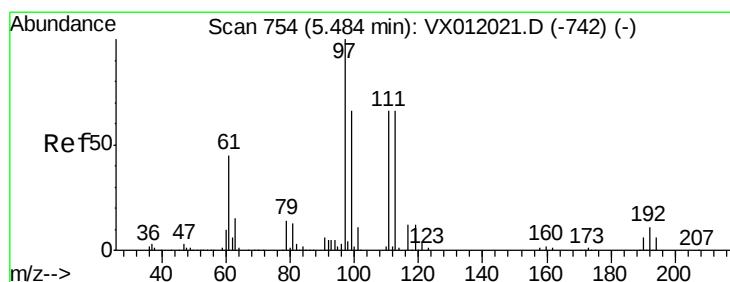
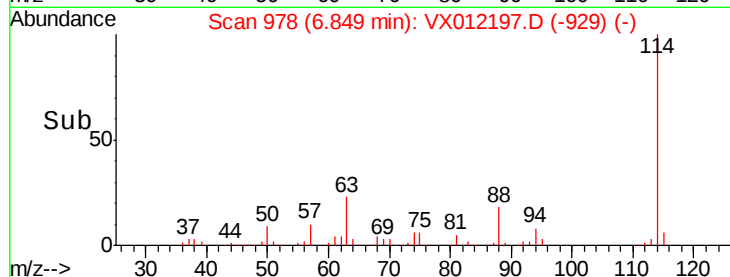
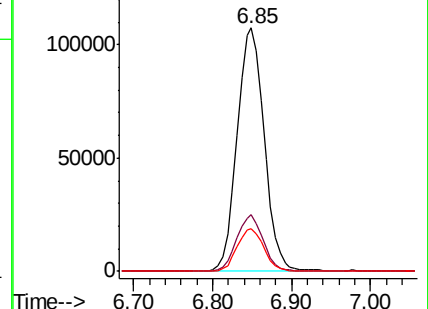
88 17.6 0.0 29.6



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: 48.963 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012197.D

Acq: 08 Sep 2019 03:00

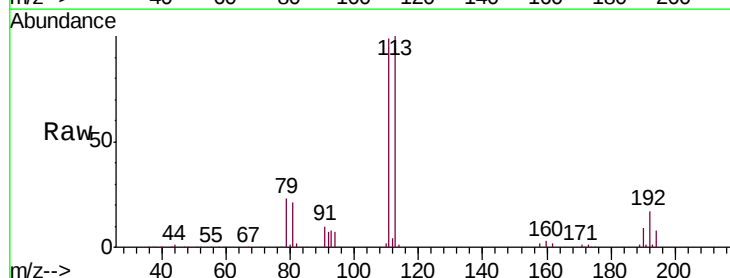
Tgt Ion:113 Resp: 77387

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

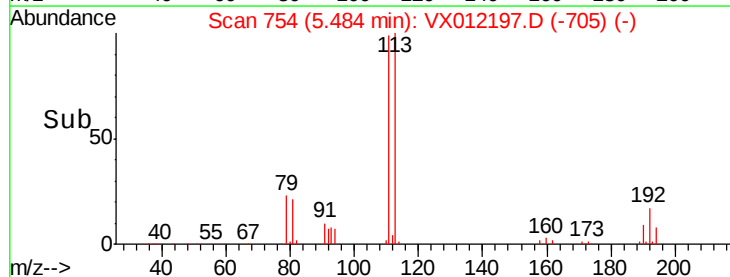
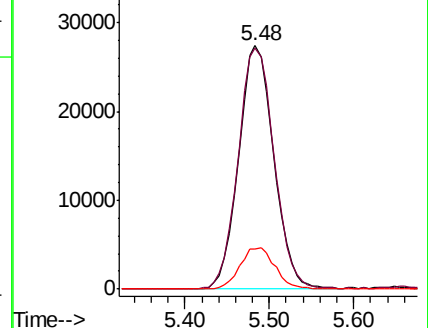
192 17.1 22.5 33.7#

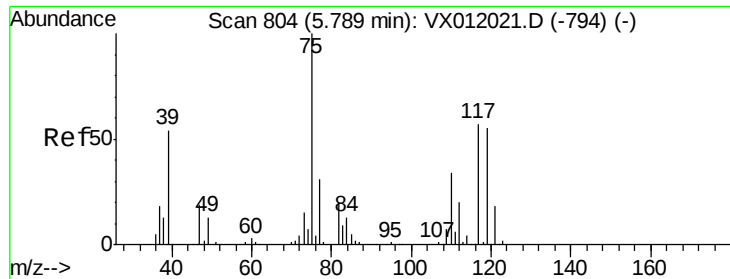


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

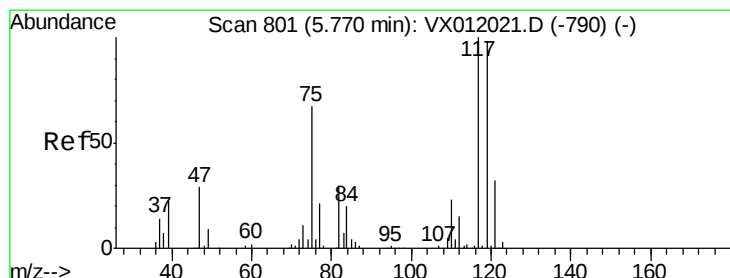
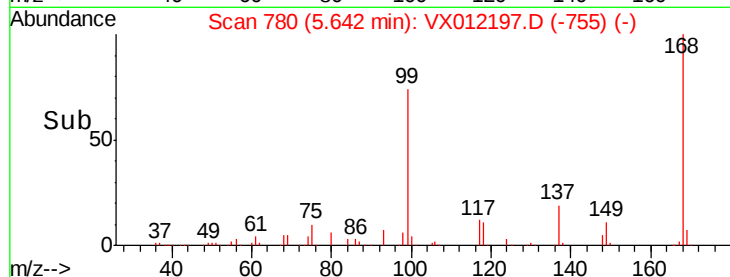
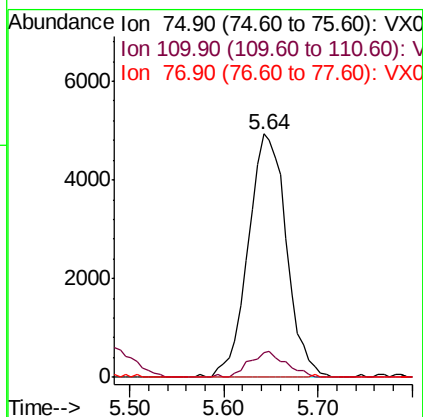
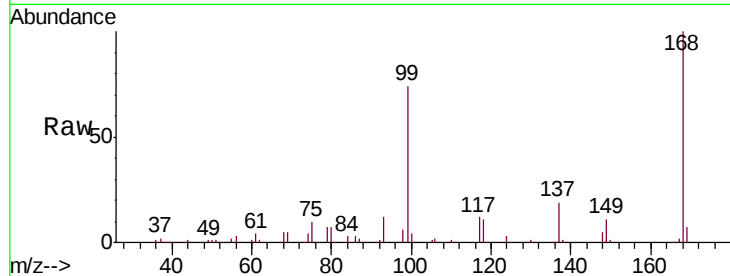




#36
 1,1-Dichloropropene
 Concen: 6.176 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012197.D
 Acq: 08 Sep 2019 03:00

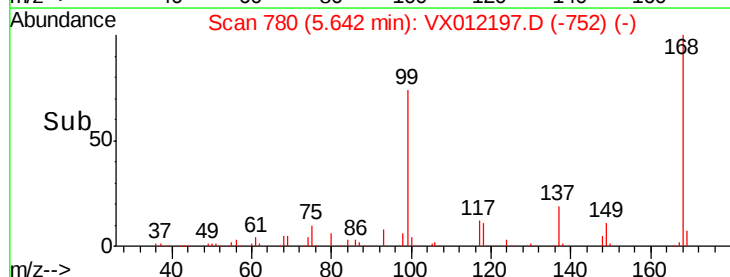
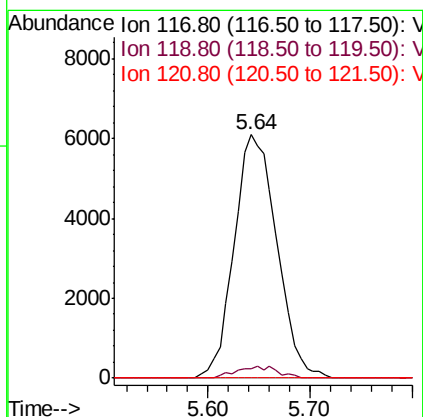
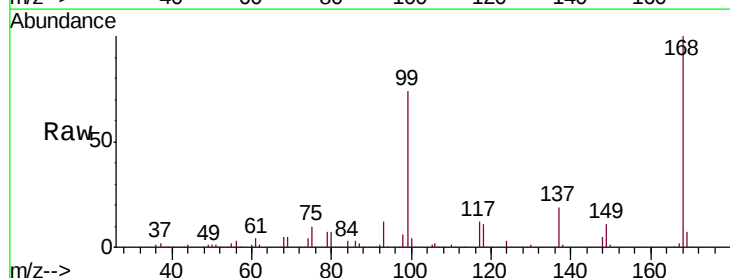
Instrument :
 MSVOA_X
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 PAR-D3-(3.11)

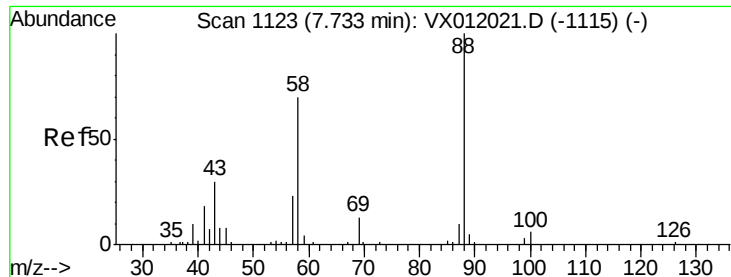
Tgt Ion: 75 Resp: 13979
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.5 58.5#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.407 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012197.D
 Acq: 08 Sep 2019 03:00

Tgt Ion: 117 Resp: 17668
 Ion Ratio Lower Upper
 117 100
 119 3.9 78.3 117.5#
 121 0.0 24.2 36.2#

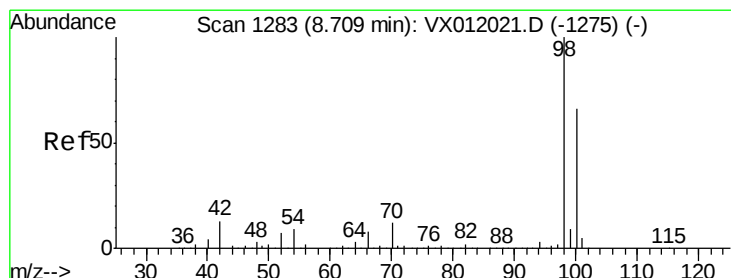
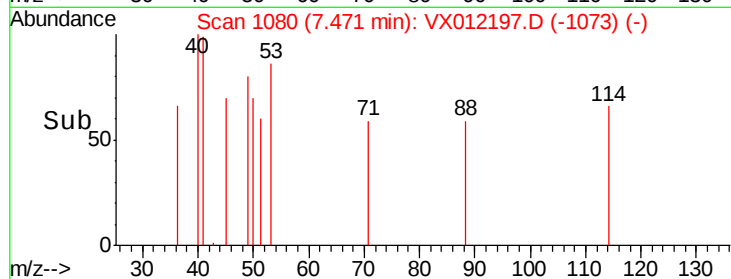
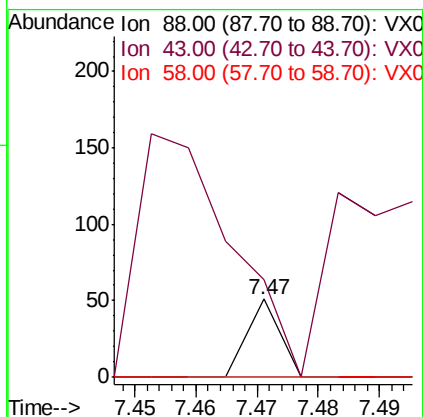
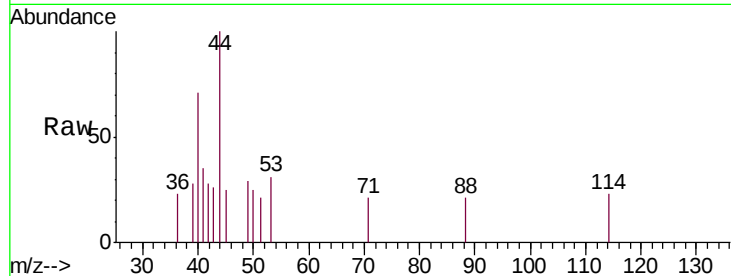




#49
1,4-Dioxane
Concen: 1.108 ug/l
RT: 7.47 min Scan# 1080
Delta R.T. -0.26 min
Lab File: VX012197.D
Acq: 08 Sep 2019 03:00

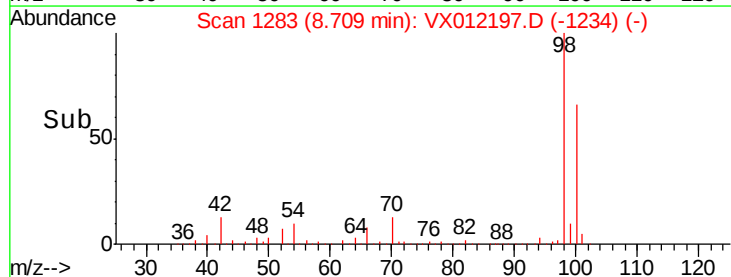
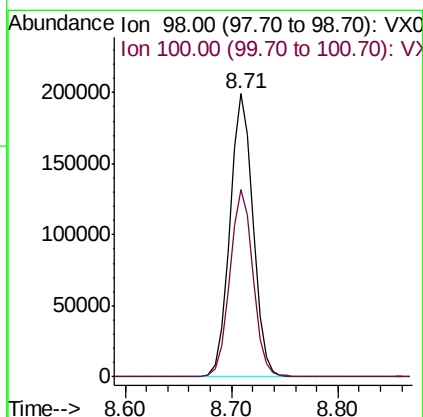
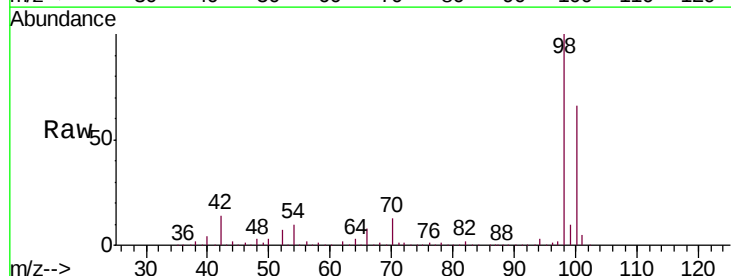
Instrument :
MSVOA_X
ClientSampleId :
PAR-D3-(3.11)

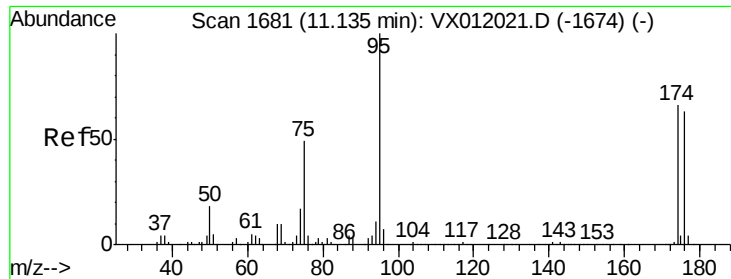
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 910.5 29.8 44.6#
58 0.0 55.4 83.2#



#50
Toluene-d8
Concen: 52.536 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012197.D
Acq: 08 Sep 2019 03:00

Tgt Ion: 98 Resp: 304694
Ion Ratio Lower Upper
98 100
100 66.0 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 42.887 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012197.D

Acq: 08 Sep 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

PAR-D3-(3.11)

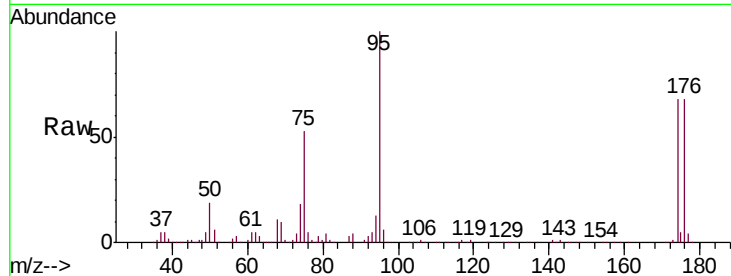
Tgt Ion: 95 Resp: 115675

Ion Ratio Lower Upper

95 100

174 63.9 0.0 205.4

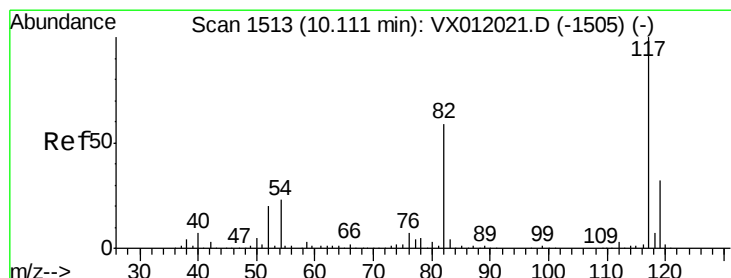
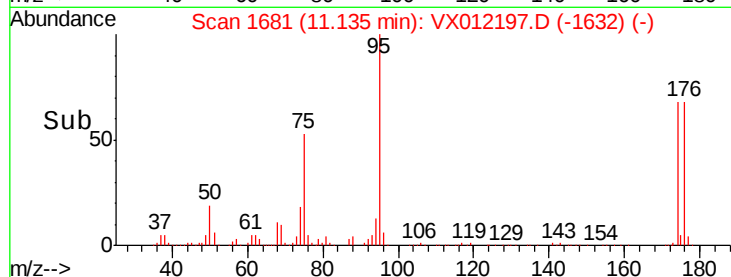
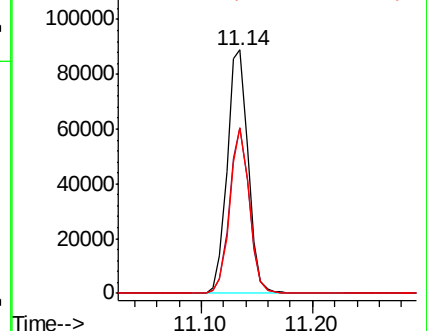
176 63.3 0.0 201.8



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# 1513

Delta R.T. -0.00 min

Lab File: VX012197.D

Acq: 08 Sep 2019 03:00

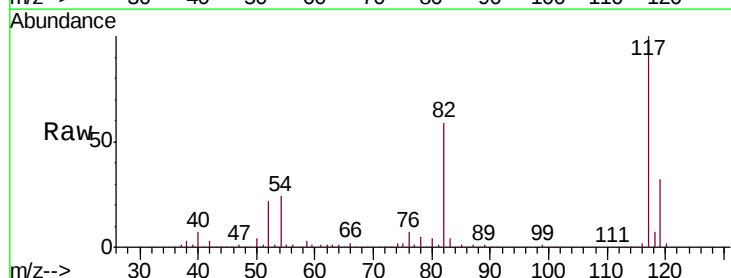
Tgt Ion: 117 Resp: 221302

Ion Ratio Lower Upper

117 100

82 59.2 39.4 59.0#

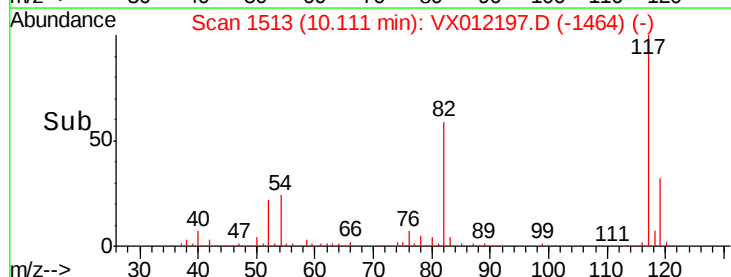
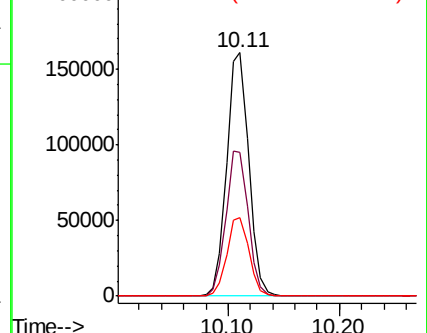
119 32.2 26.1 39.1

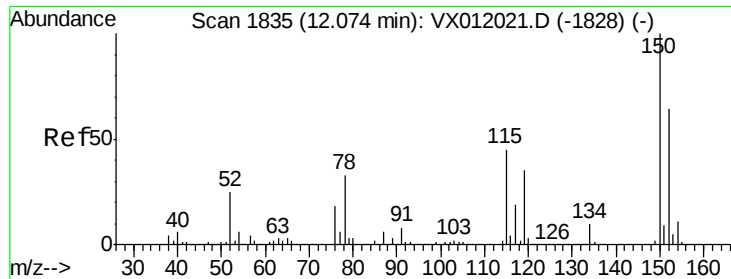


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012197.D

Acq: 08 Sep 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

PAR-D3-(3.11)

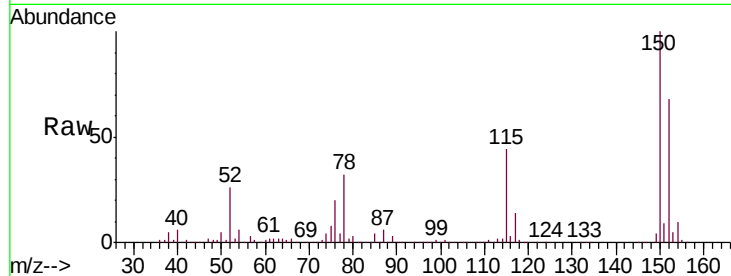
Tgt Ion: 152 Resp: 92172

Ion Ratio Lower Upper

152 100

115 65.9 36.4 109.3

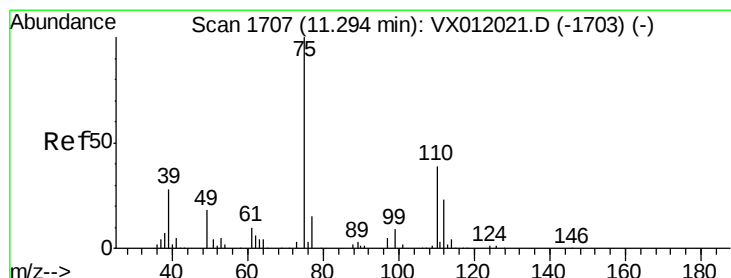
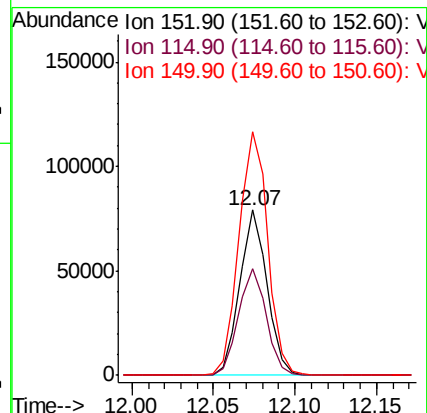
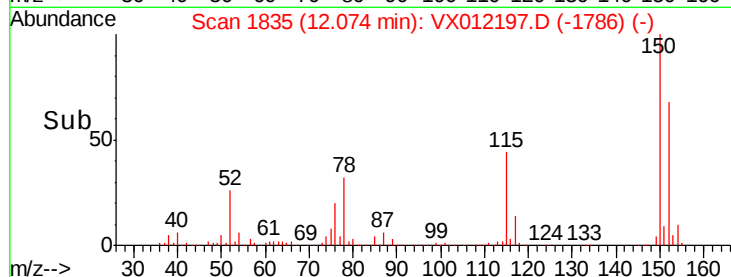
150 155.3 0.0 341.2



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: 54.510 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012197.D

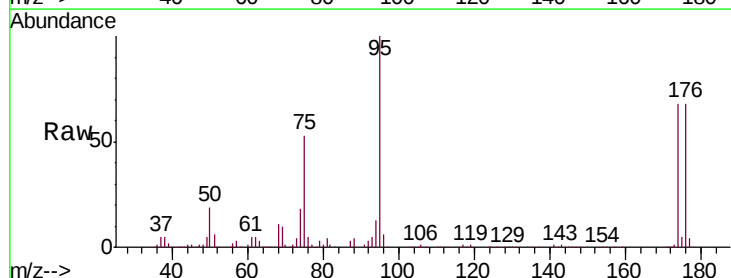
Acq: 08 Sep 2019 03:00

Tgt Ion: 75 Resp: 61389

Ion Ratio Lower Upper

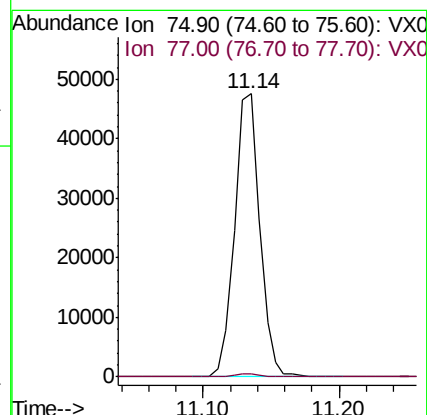
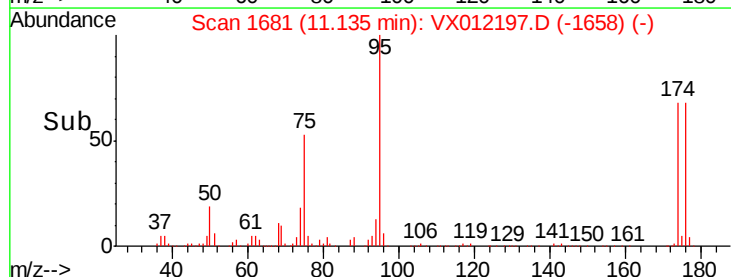
75 100

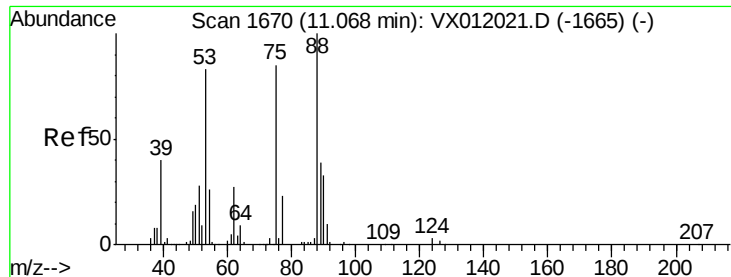
77 1.2 23.5 70.5#



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: 128.870 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012197.D

Acq: 08 Sep 2019 03:00

Instrument :

MSVOA_X

ClientSampleId :

PAR-D3-(3.11)

Tgt Ion: 75 Resp: 61389

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

