

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012231.D
 Acq On : 08 Sep 2019 19:00
 Operator : SY/SP
 Sample : K4622-16
 Misc : 6.08g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B2-(4)

Quant Time: Sep 09 01:51:30 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	140121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	239157	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86500	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	93021	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	5.48	113	70688	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	8.71	98	281773	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.14	95	108406	43.19	ug/l	0.00
Spiked Amount			Recovery	=	86.38%	

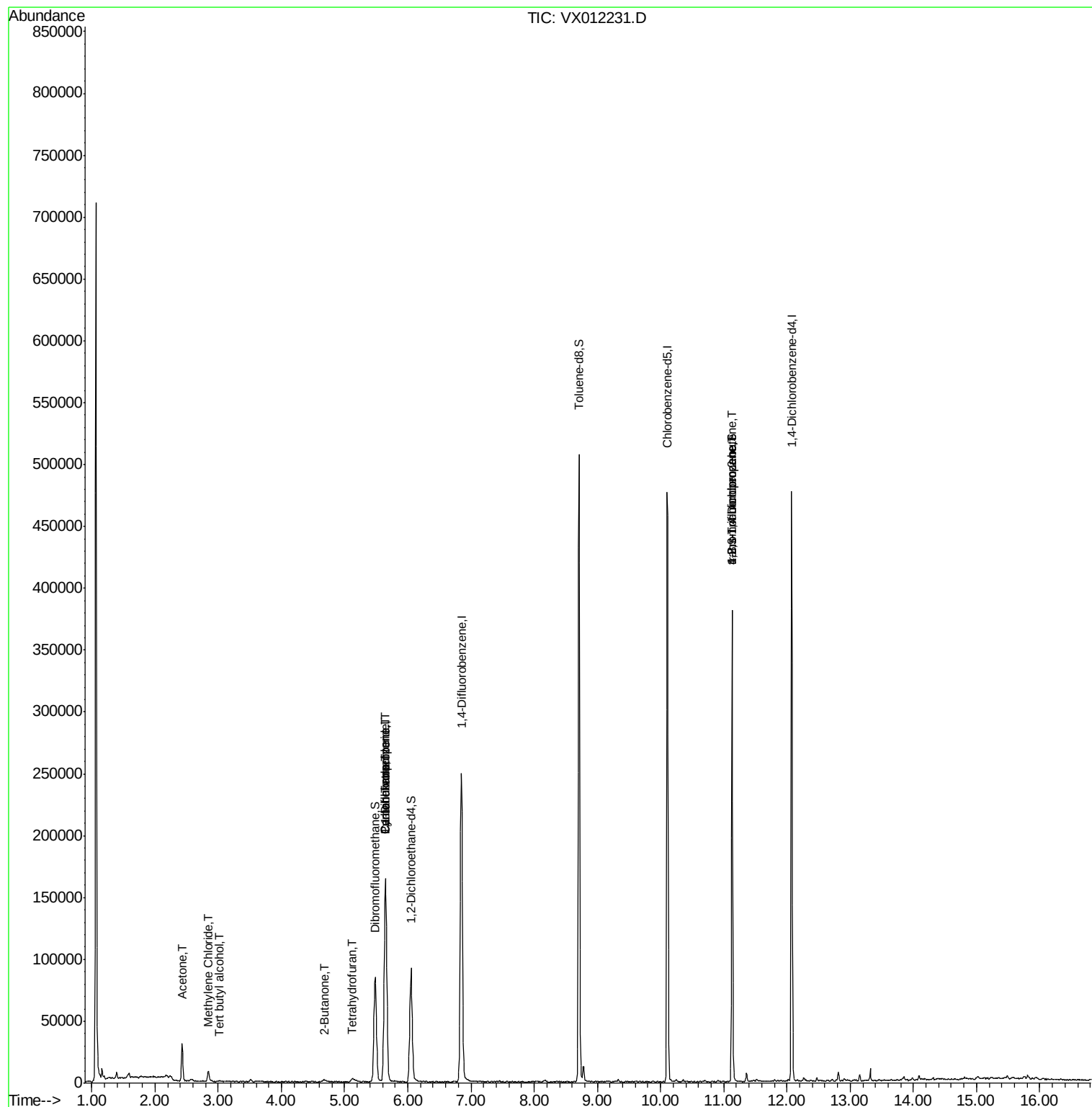
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	887	4.776	ug/l	97
13) Acrolein	2.26	56	185	Below Cal	#	12
16) Acetone	2.43	43	32325	69.949	ug/l	98
20) Methylene Chloride	2.84	84	3818	2.057	ug/l	95
25) 2-Butanone	4.67	43	1290	2.193	ug/l	94
29) Tetrahydrofuran	5.12	42	2943	8.304	ug/l	# 58
31) Cyclohexane	5.64	56	4020	1.696	ug/l	# 9
36) 1,1-Dichloropropene	5.65	75	13337	6.332	ug/l	# 48
38) Carbon Tetrachloride	5.64	117	16499	7.433	ug/l	# 14
76) 1,2,3-Trichloropropane	11.14	75	56251	53.223	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.14	75	56251	125.827	ug/l	# 10

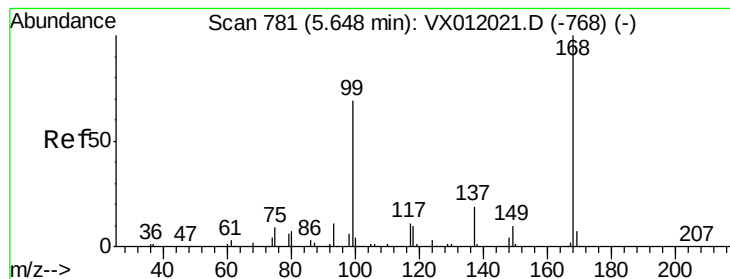
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012231.D

Acq: 08 Sep 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

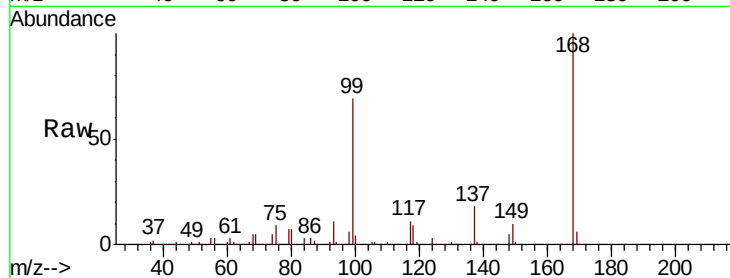
PAR-11-B2-(4)

Tgt Ion:168 Resp: 140121

Ion Ratio Lower Upper

168 100

99 69.1 37.6 56.4#



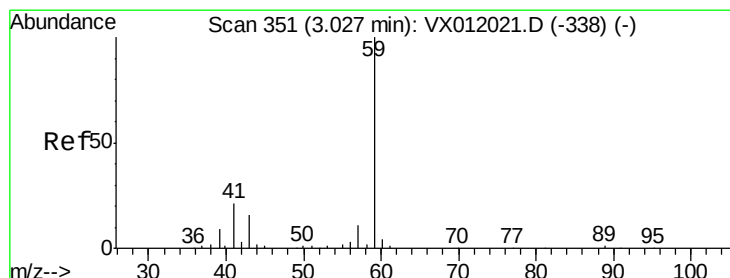
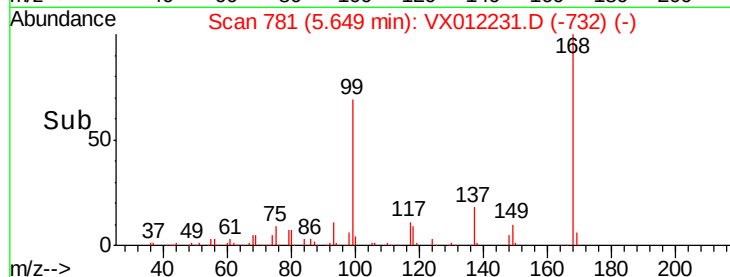
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 4.776 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX012231.D

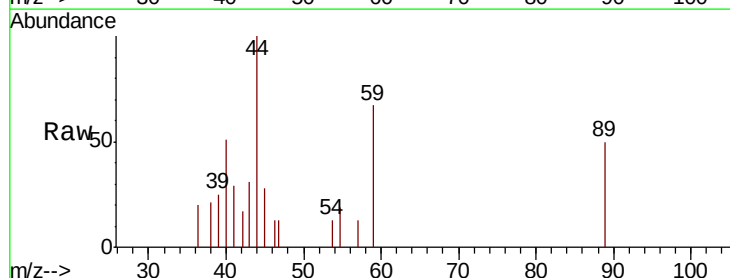
Acq: 08 Sep 2019 19:00

Tgt Ion: 59 Resp: 887

Ion Ratio Lower Upper

59 100

57 10.9 7.9 11.9



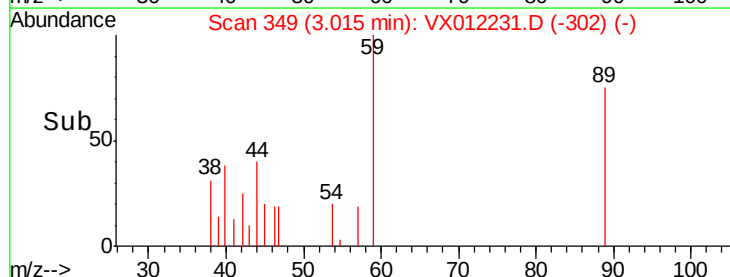
Abundance Ion 59.00 (58.70 to 59.70): VX0

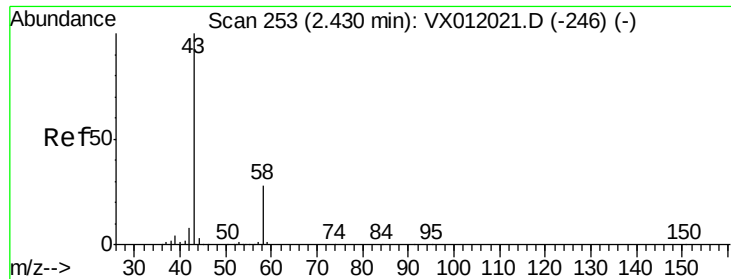
Ion 57.00 (56.70 to 57.70): VX0

3.01

Time-->

2.95 3.00 3.05 3.10





#16

Acetone

Concen: 69.949 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012231.D

Acq: 08 Sep 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

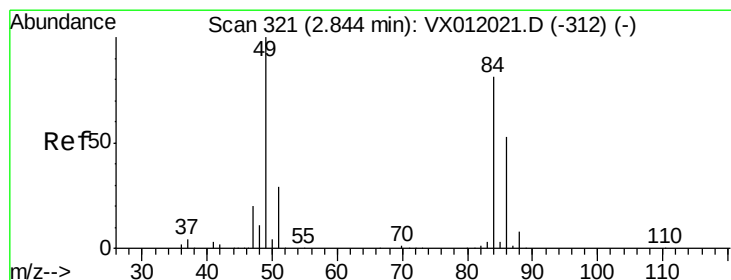
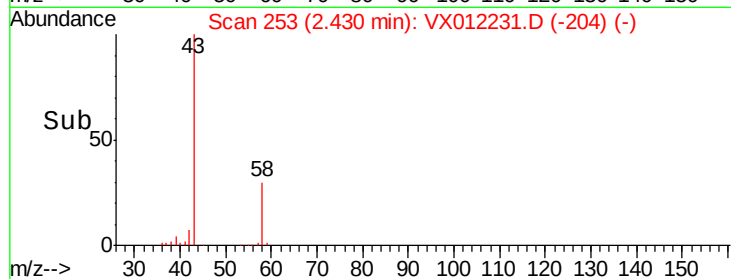
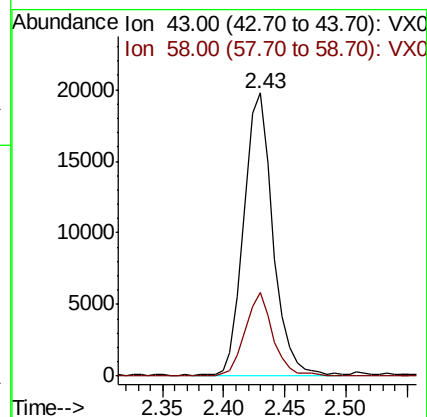
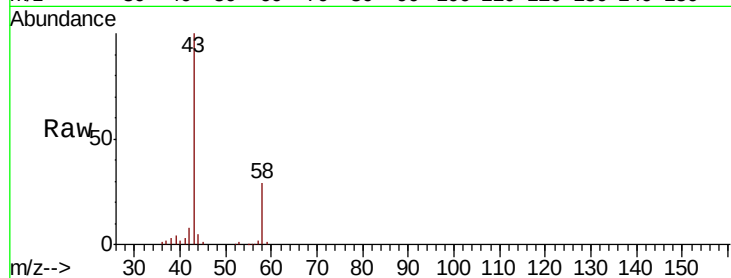
PAR-11-B2-(4)

Tgt Ion: 43 Resp: 32325

Ion Ratio Lower Upper

43 100

58 29.5 22.8 34.2



#20

Methylene Chloride

Concen: 2.057 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012231.D

Acq: 08 Sep 2019 19:00

Tgt Ion: 84 Resp: 3818

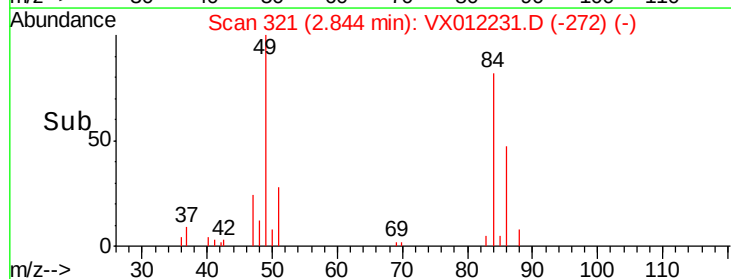
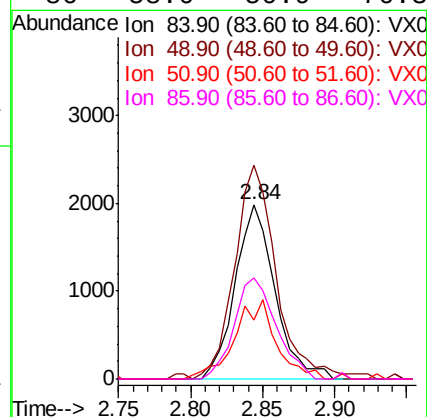
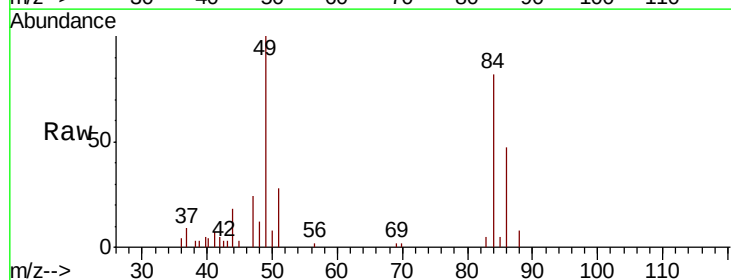
Ion Ratio Lower Upper

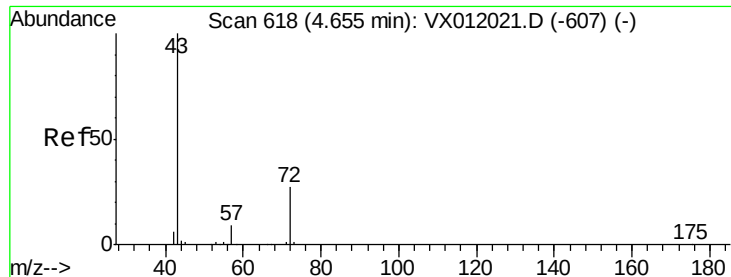
84 100

49 122.6 95.8 143.8

51 31.3 28.6 43.0

86 58.0 50.9 76.3

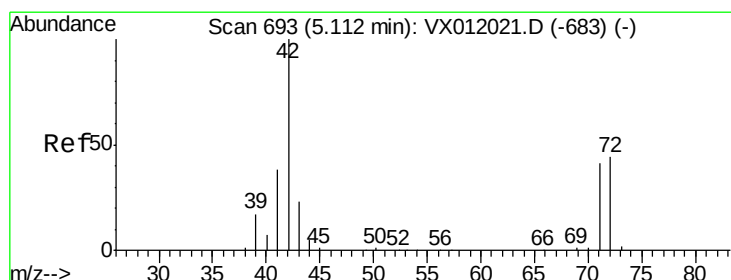
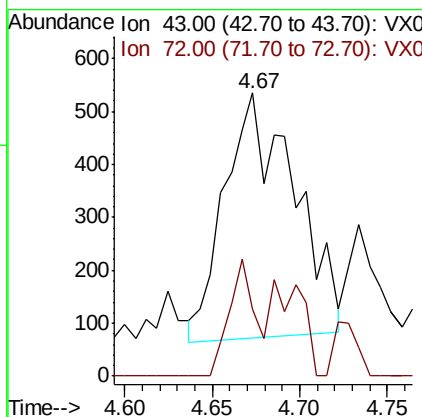
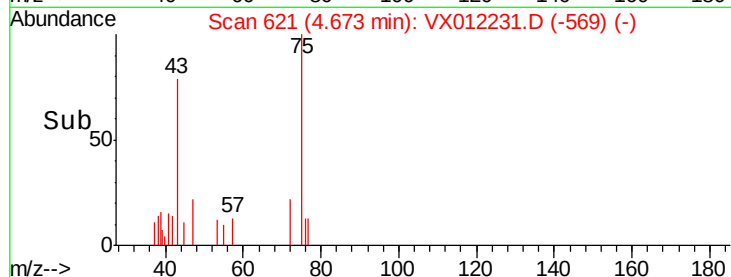
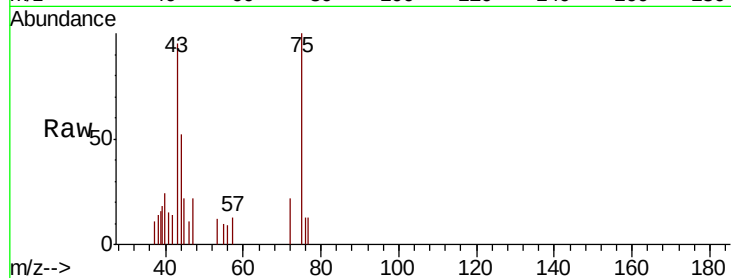




#25
2-Butanone
Concen: 2.193 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012231.D
Acq: 08 Sep 2019 19:00

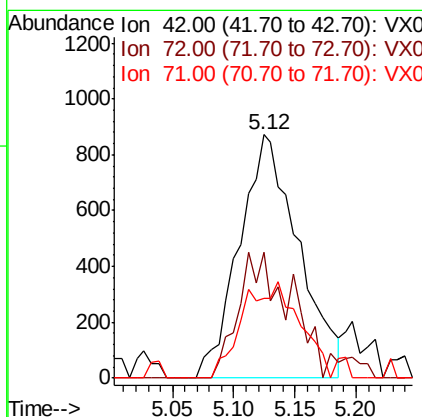
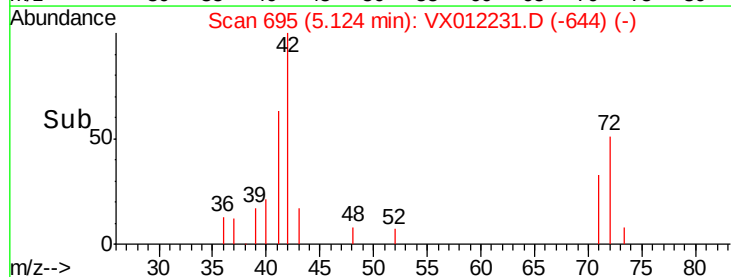
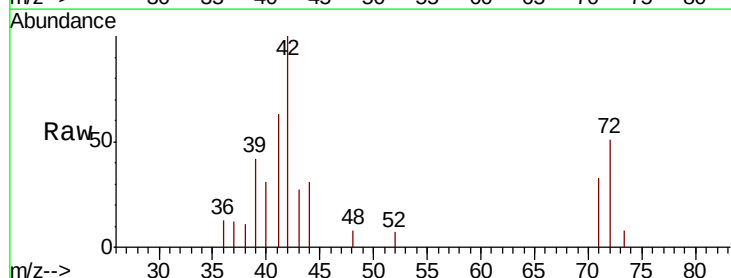
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B2-(4)

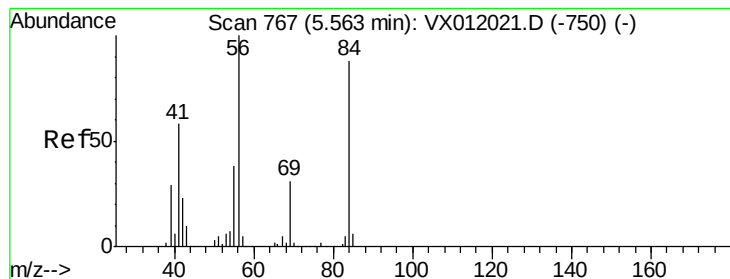
Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
72 29.6 21.3 31.9



#29
Tetrahydrofuran
Concen: 8.304 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012231.D
Acq: 08 Sep 2019 19:00

Tgt Ion: 42 Resp: 2943
Ion Ratio Lower Upper
42 100
72 33.5 37.0 55.4#
71 0.0 33.8 50.8#





#31

Cyclohexane

Concen: 1.696 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012231.D

Acq: 08 Sep 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-B2-(4)

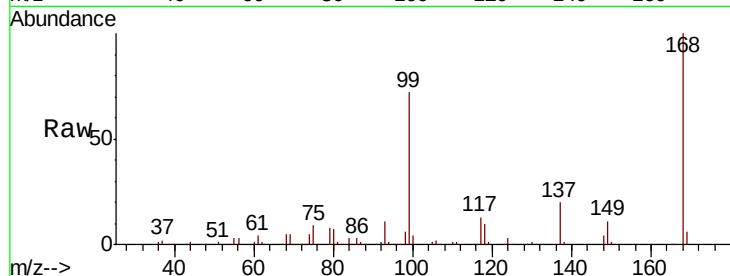
Tgt Ion: 56 Resp: 4020

Ion Ratio Lower Upper

56 100

69 174.9 25.7 38.5#

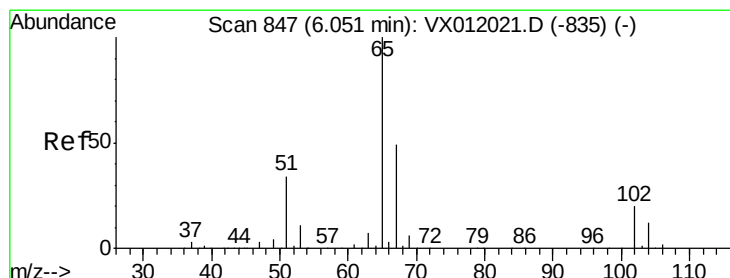
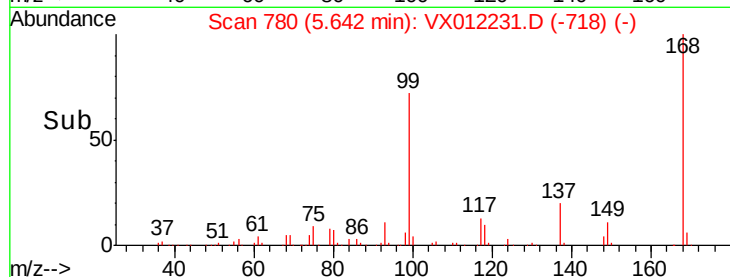
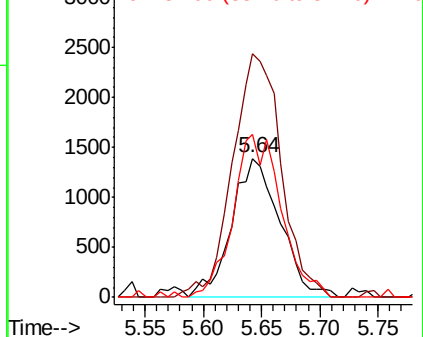
84 117.1 70.3 105.5#



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: 48.113 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012231.D

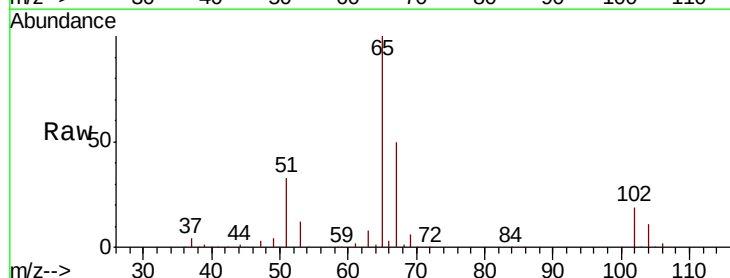
Acq: 08 Sep 2019 19:00

Tgt Ion: 65 Resp: 93021

Ion Ratio Lower Upper

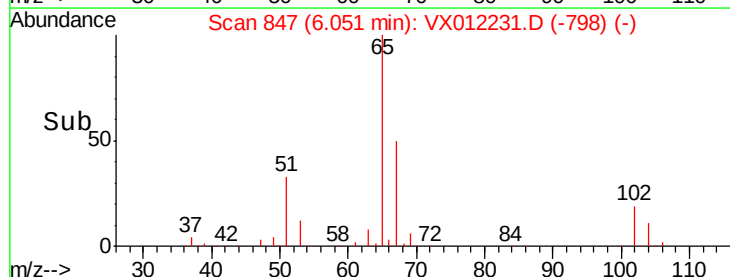
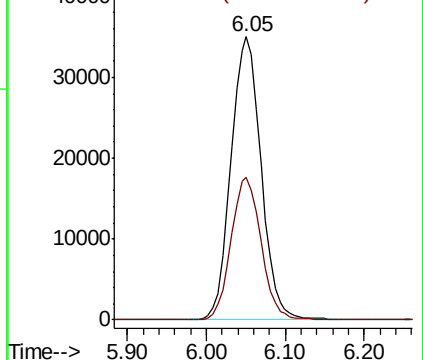
65 100

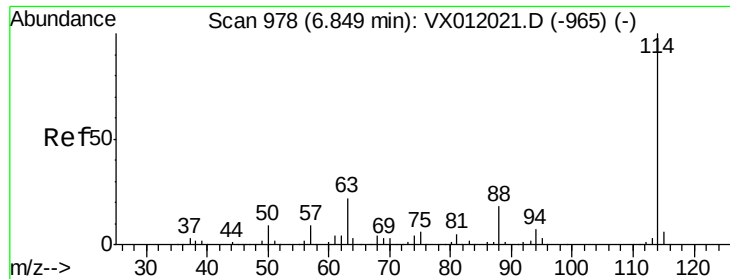
67 50.3 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

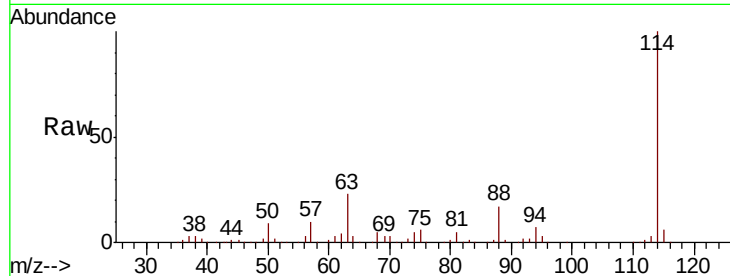




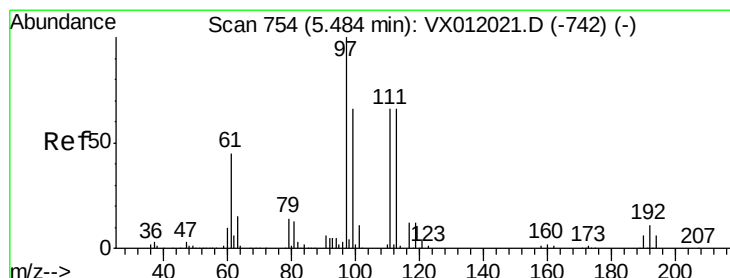
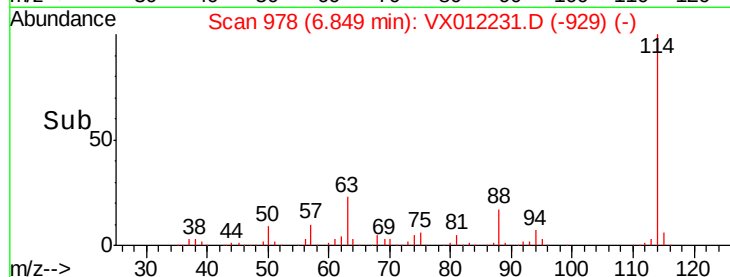
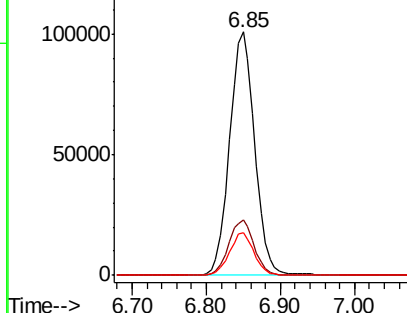
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012231.D
 Acq: 08 Sep 2019 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B2-(4)

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	37.4
88	17.4	0.0	29.6

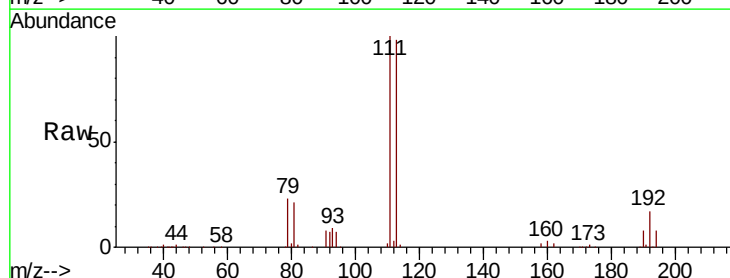


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

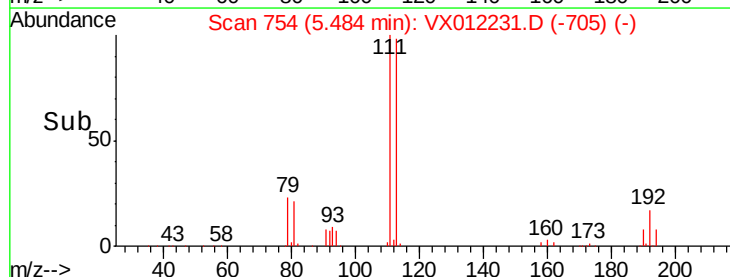
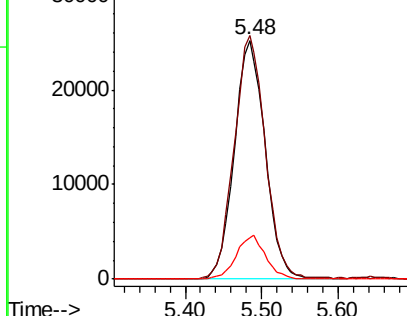


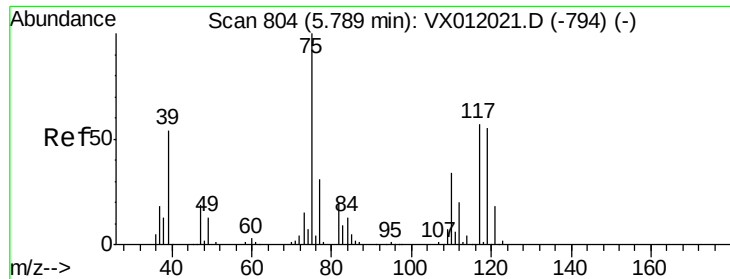
#35
 Dibromofluoromethane
 Concen: 48.063 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012231.D
 Acq: 08 Sep 2019 19:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	17.4	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

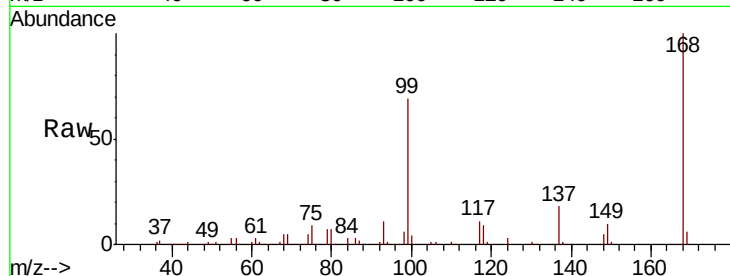




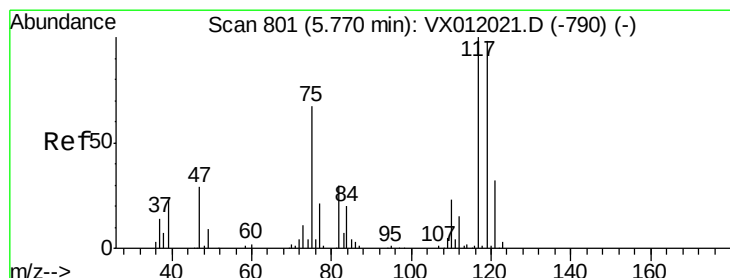
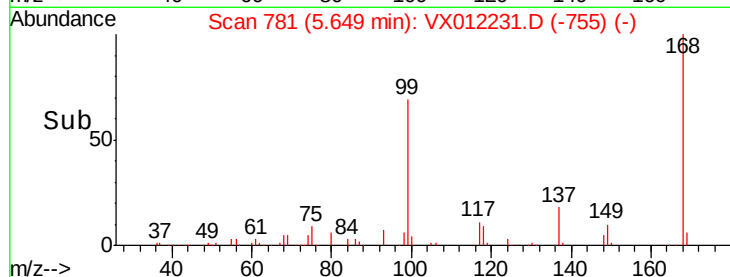
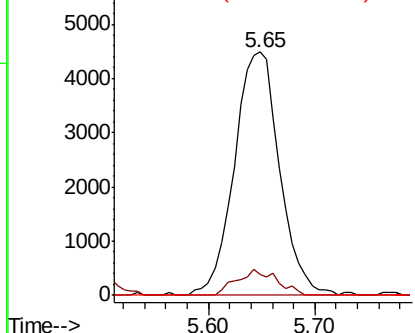
#36
 1,1-Dichloropropene
 Concen: 6.332 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012231.D
 Acq: 08 Sep 2019 19:00

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B2-(4)

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.5	58.5#
77	0.0	24.6	37.0#

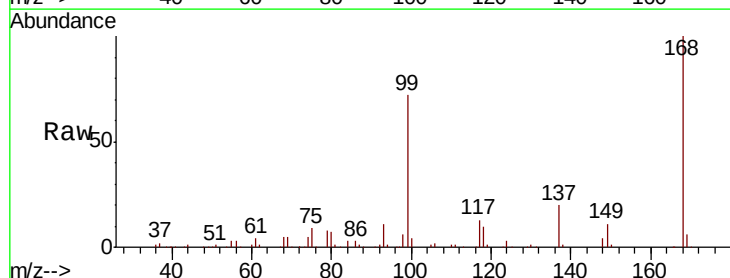


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

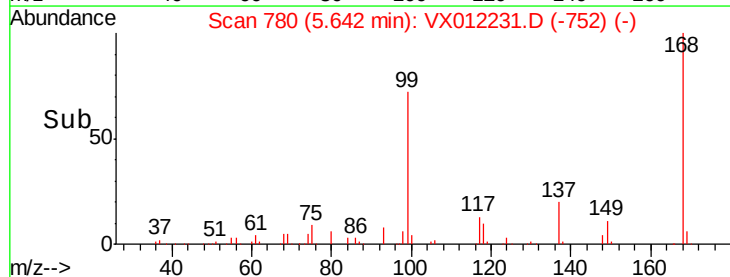
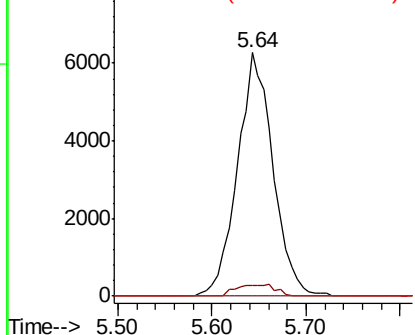


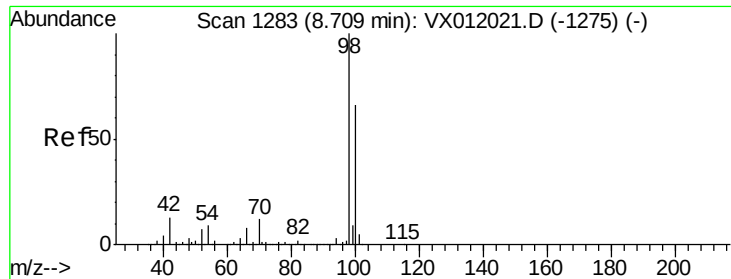
#38
 Carbon Tetrachloride
 Concen: 7.433 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX012231.D
 Acq: 08 Sep 2019 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.3	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

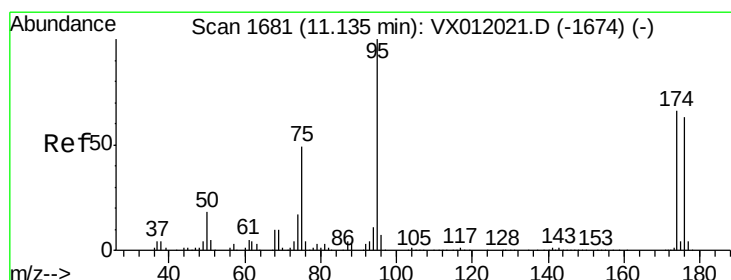
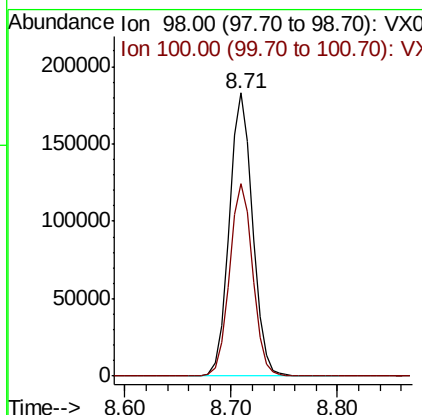
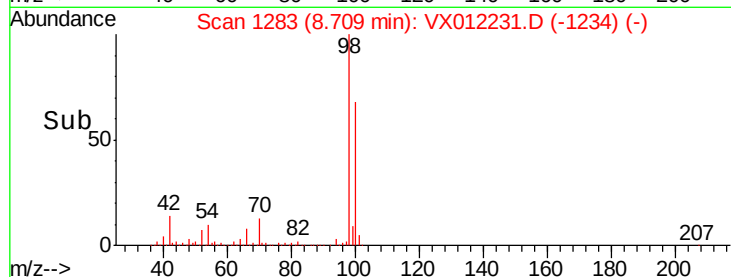
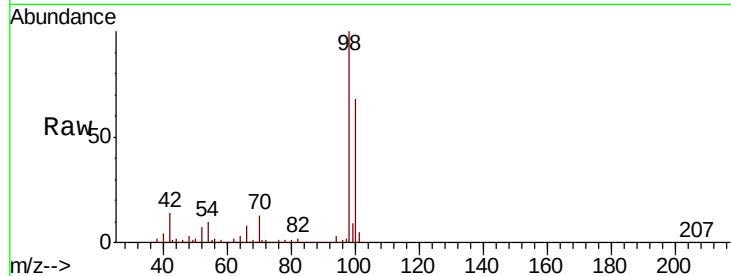




#50
Toluene-d8
Concen: 52.209 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012231.D
Acq: 08 Sep 2019 19:00

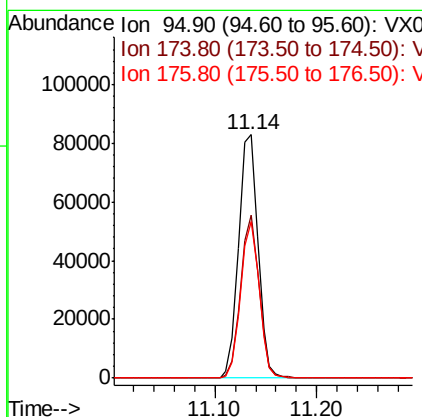
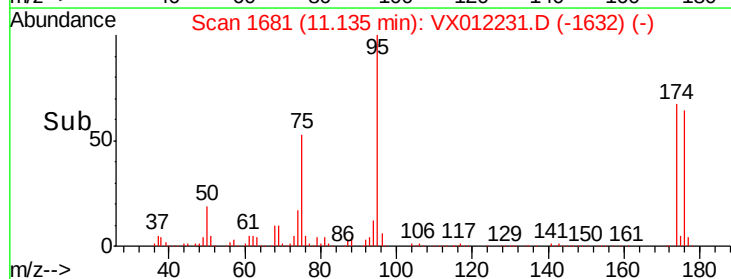
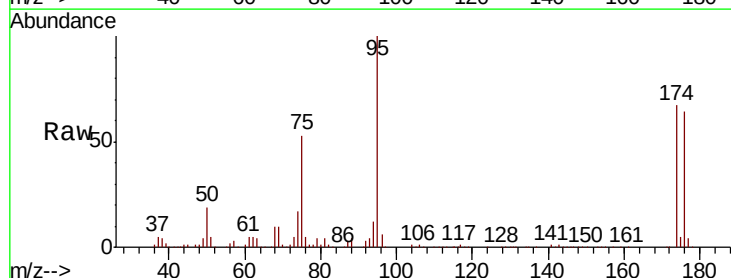
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B2-(4)

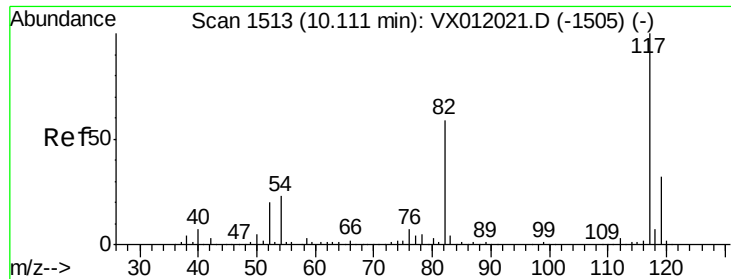
Tgt Ion: 98 Resp: 281773
Ion Ratio Lower Upper
98 100
100 67.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 43.191 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012231.D
Acq: 08 Sep 2019 19:00

Tgt Ion: 95 Resp: 108406
Ion Ratio Lower Upper
95 100
174 64.0 0.0 205.4
176 61.7 0.0 201.8

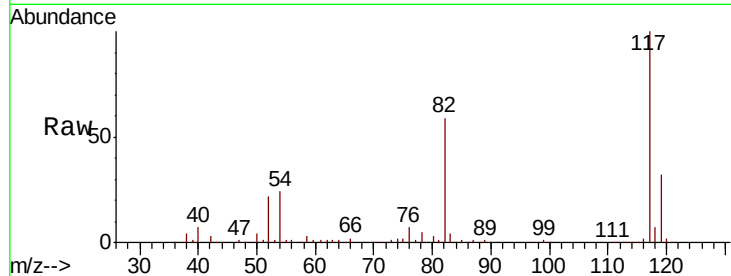




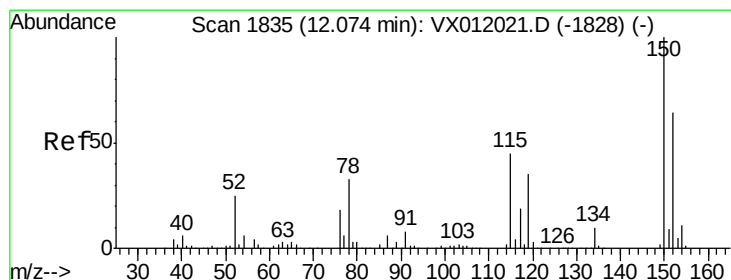
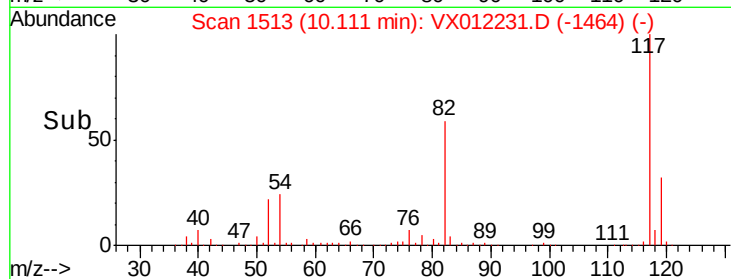
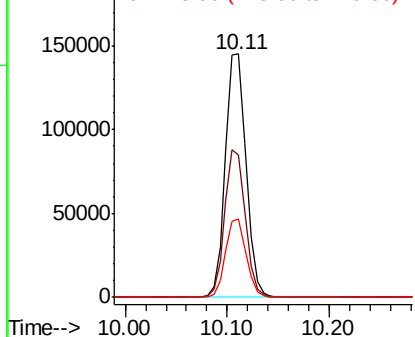
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012231.D
Acq: 08 Sep 2019 19:00

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B2-(4)

Tgt Ion:117 Resp: 204325
Ion Ratio Lower Upper
117 100
82 58.5 39.4 59.0
119 32.0 26.1 39.1

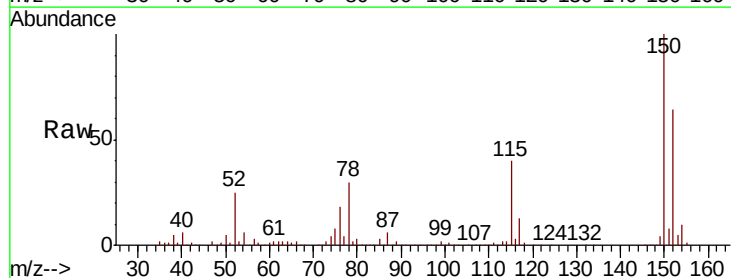


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

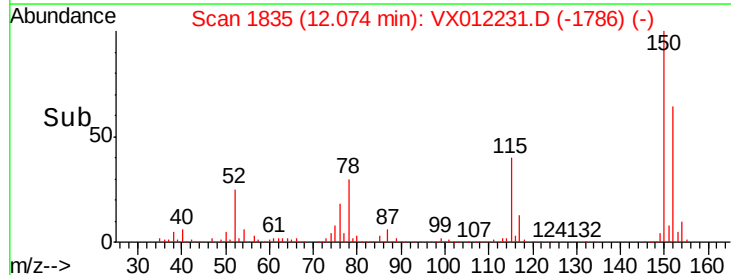
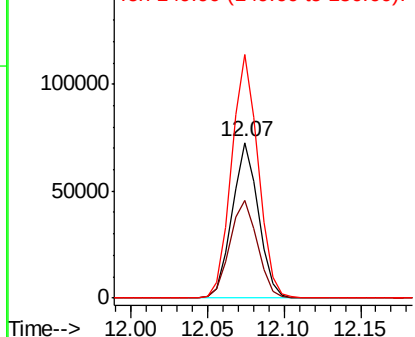


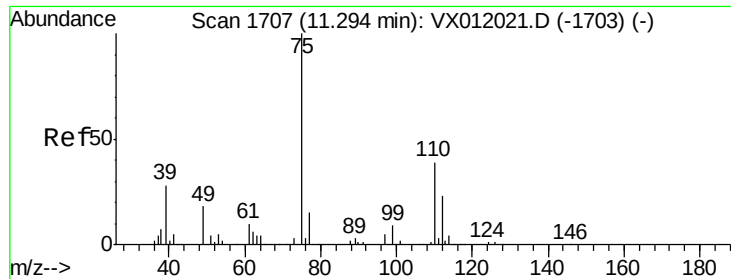
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012231.D
Acq: 08 Sep 2019 19:00

Tgt Ion:152 Resp: 86500
Ion Ratio Lower Upper
152 100
115 66.1 36.4 109.3
150 158.2 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: 53.223 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012231.D

Acq: 08 Sep 2019 19:00

Instrument :

MSVOA_X

ClientSampleId :

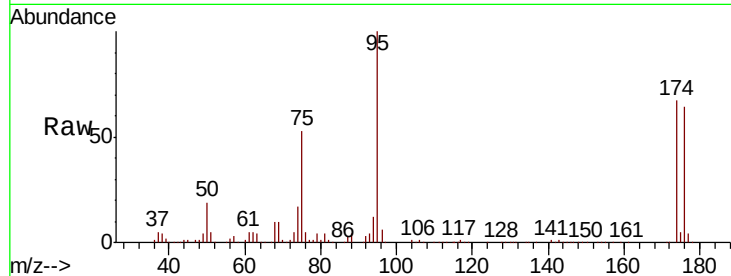
PAR-11-B2-(4)

Tgt Ion: 75 Resp: 56251

Ion Ratio Lower Upper

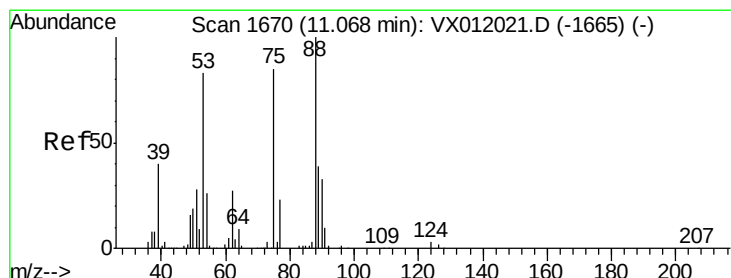
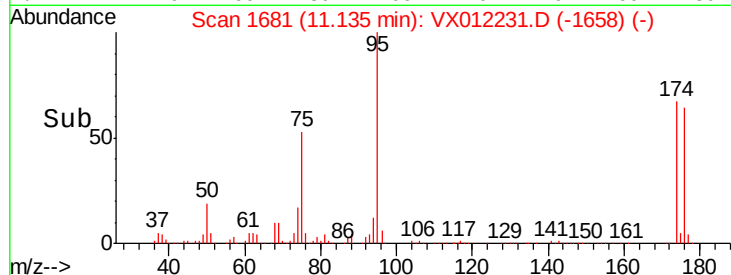
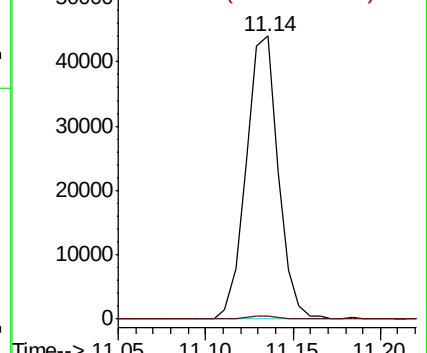
75 100

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: 125.827 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012231.D

Acq: 08 Sep 2019 19:00

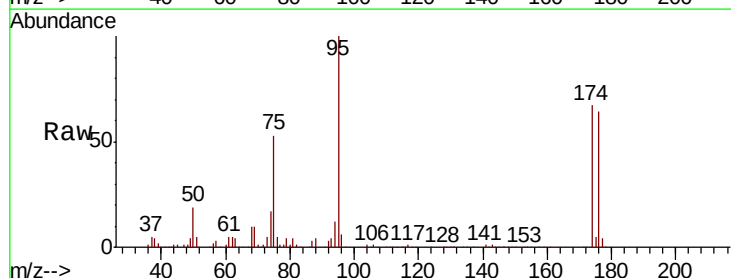
Tgt Ion: 75 Resp: 56251

Ion Ratio Lower Upper

75 100

53 0.3 78.6 117.8#

89 0.0 38.8 58.2#



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

