

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012732.D
 Acq On : 01 Oct 2019 14:51
 Operator : JC/SP
 Sample : K5082-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:46:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	89564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115399	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	5.49	113	85401	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
50) Toluene-d8	8.71	98	335643	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
62) 4-Bromofluorobenzene	11.14	95	110711	43.44	ug/l	0.00
Spiked Amount			Recovery	=	86.88%	

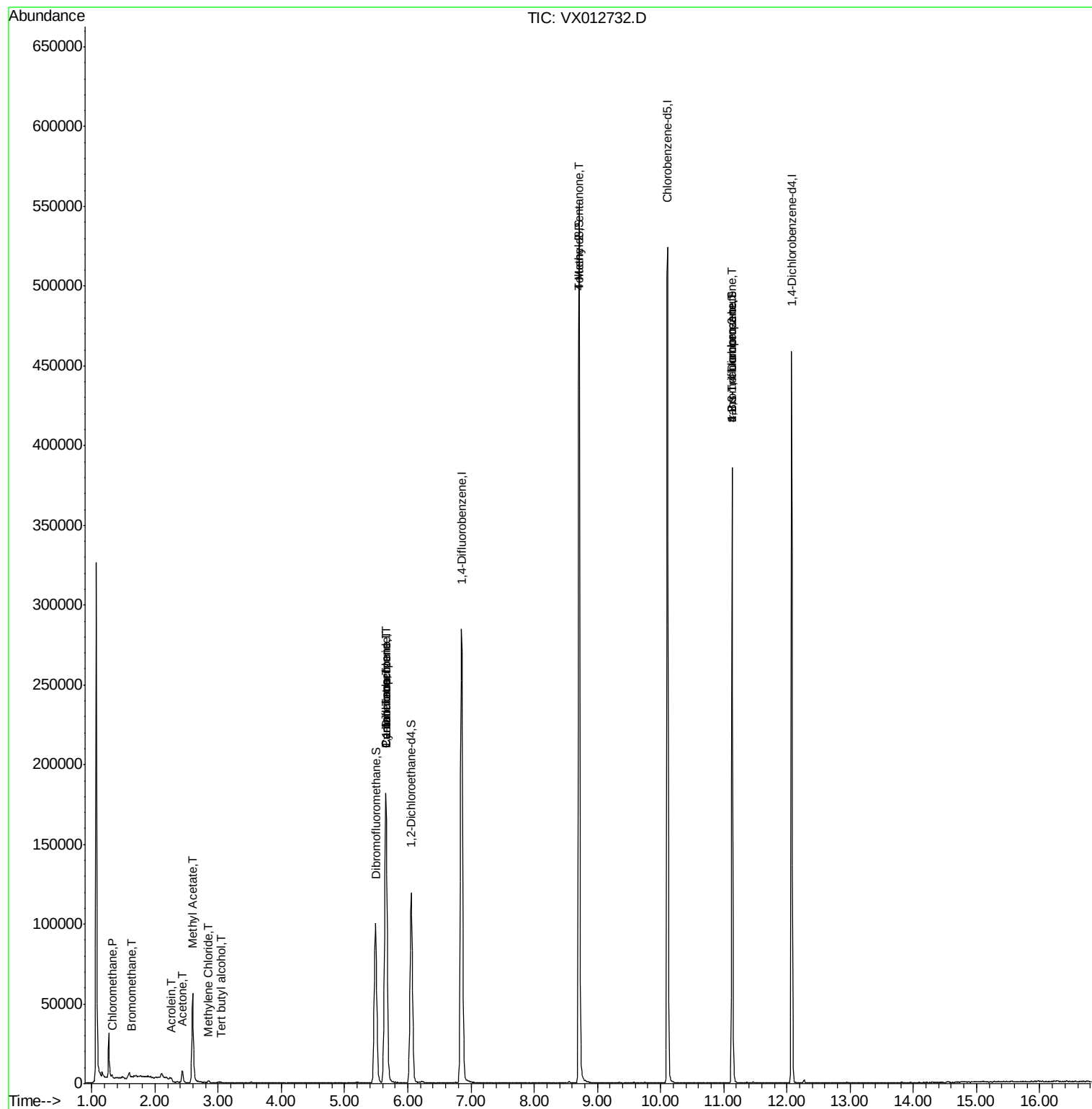
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1097	0.520	ug/l	96
5) Bromomethane	1.63	94	290	0.351	ug/l #	4
11) Tert butyl alcohol	3.05	59	528	0.888	ug/l #	72
13) Acrolein	2.26	56	41	10.352	ug/l #	1
16) Acetone	2.43	43	7713	6.118	ug/l	90
18) Methyl Acetate	2.59	43	15215	5.125	ug/l #	54
20) Methylene Chloride	2.85	84	565	0.265	ug/l #	77
31) Cyclohexane	5.65	56	3738	1.128	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13714	5.034	ug/l #	52
38) Carbon Tetrachloride	5.65	117	18338	6.627	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1624	0.494	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	55236	23.314	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	55236	66.814	ug/l #	8

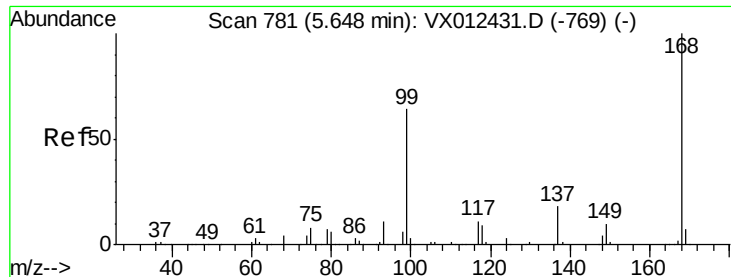
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012732.D

Acq: 01 Oct 2019 14:51

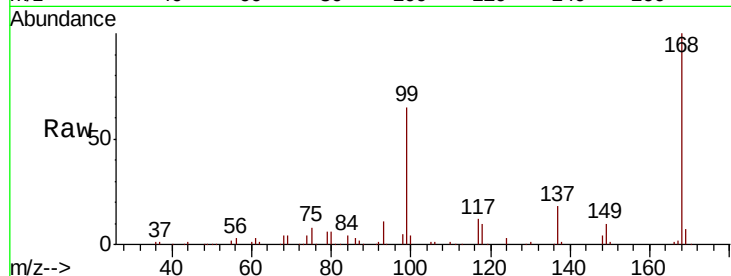
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 163448

Ion Ratio Lower Upper

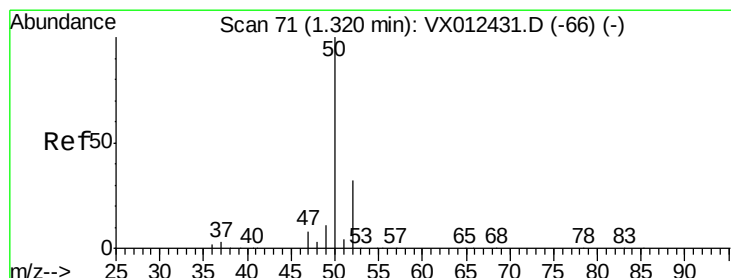
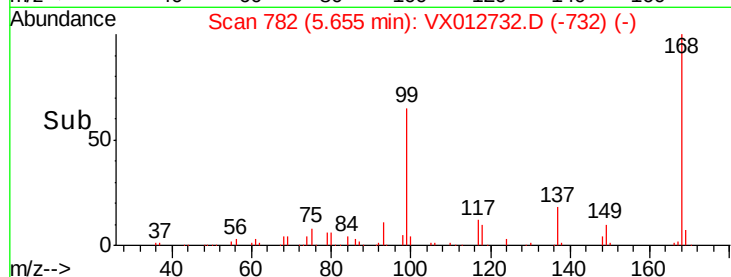
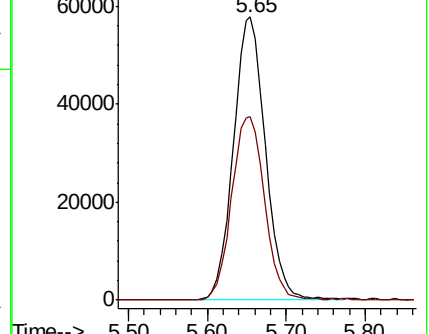
168 100

99 65.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.520 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012732.D

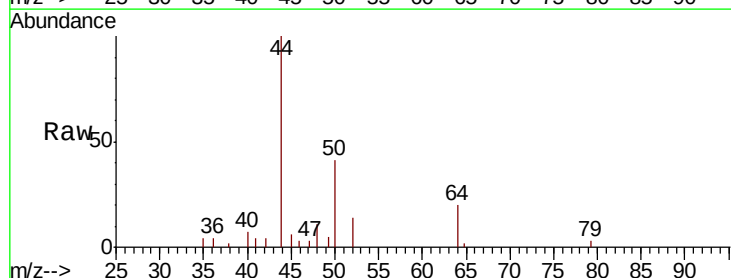
Acq: 01 Oct 2019 14:51

Tgt Ion: 50 Resp: 1097

Ion Ratio Lower Upper

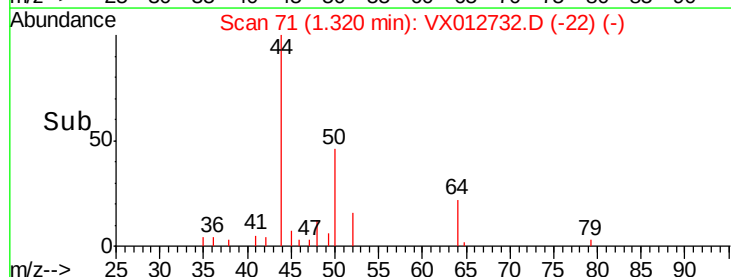
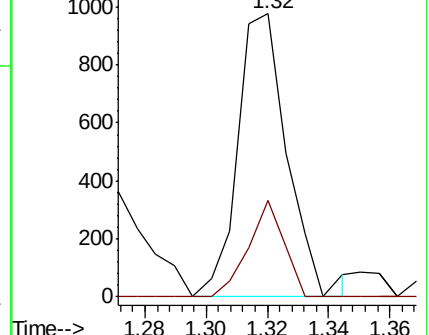
50 100

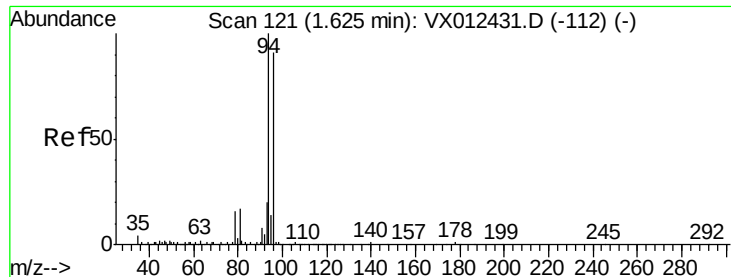
52 34.1 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.351 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012732.D

Acq: 01 Oct 2019 14:51

Instrument :

MSVOA_X

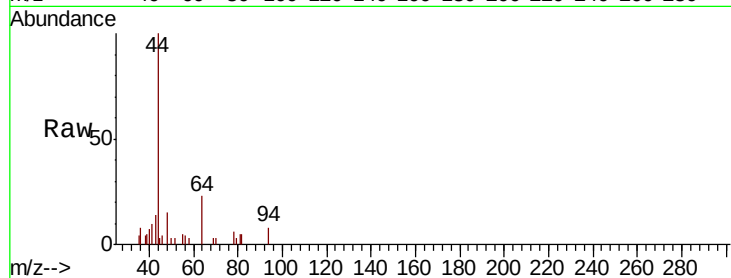
ClientSampled :

Tot Ion: 94 Resp: 290

Ion Ratio Lower Upper

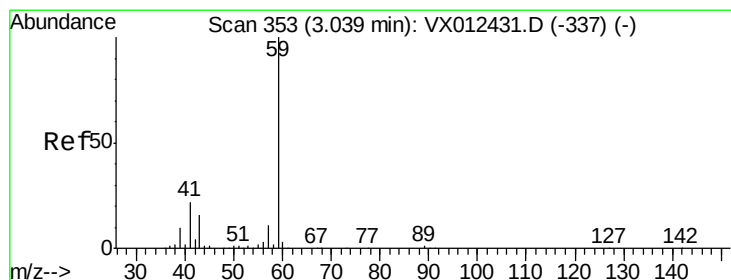
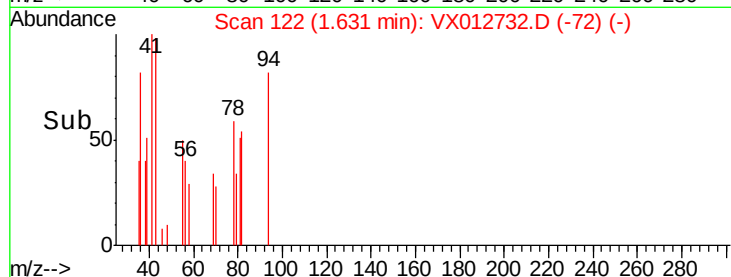
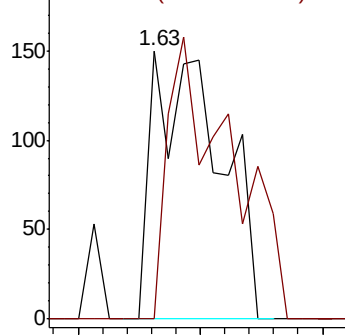
94 100

96 0.0 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: 0.888 ug/l

RT: 3.05 min Scan# 354

Delta R.T. 0.01 min

Lab File: VX012732.D

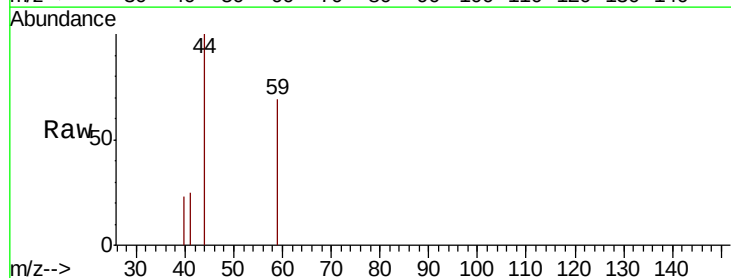
Acq: 01 Oct 2019 14:51

Tgt Ion: 59 Resp: 528

Ion Ratio Lower Upper

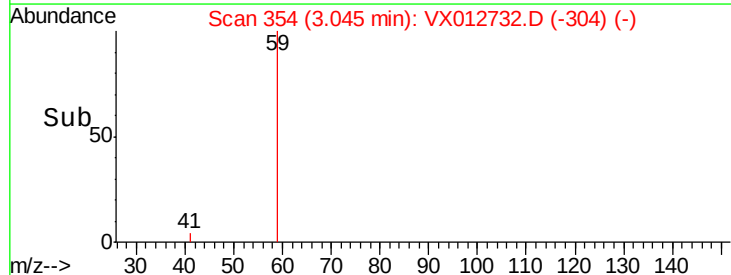
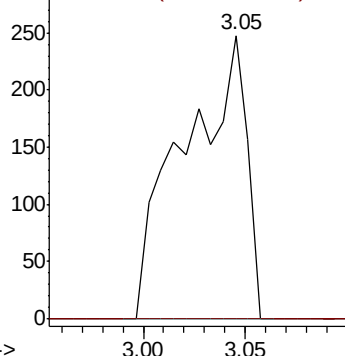
59 100

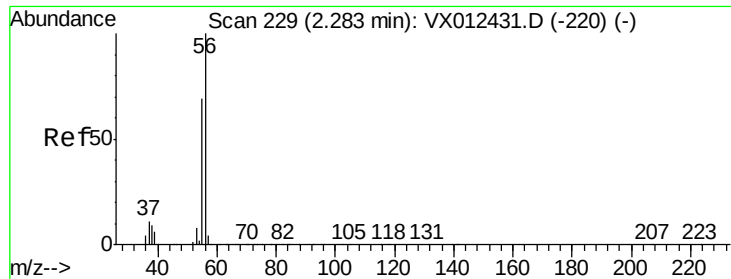
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

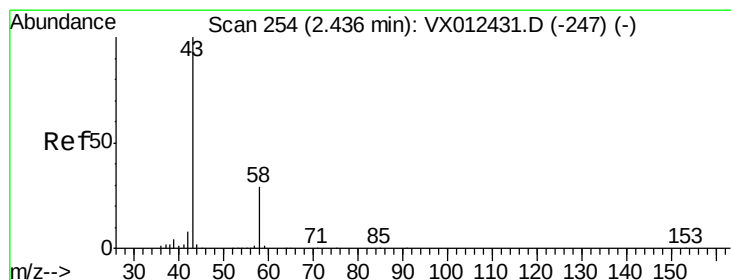
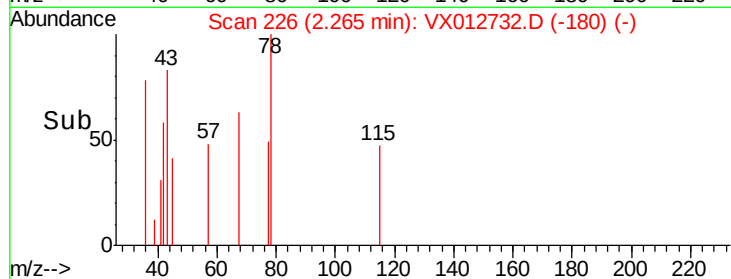
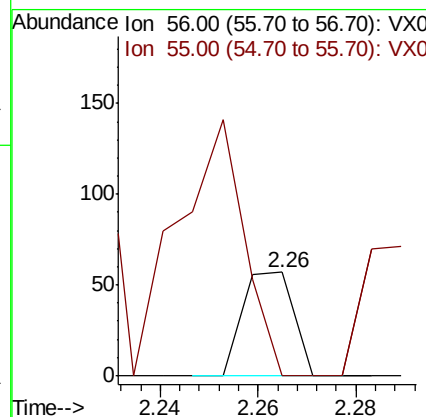
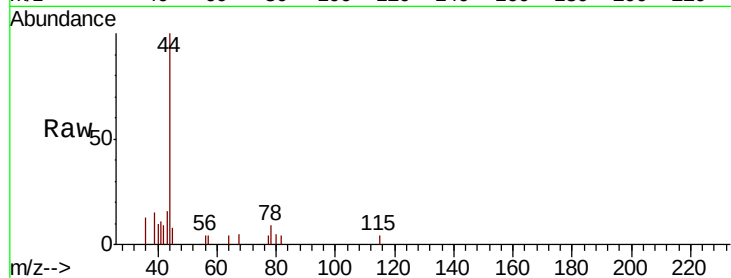




#13
Acrolein
Concen: 10.352 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

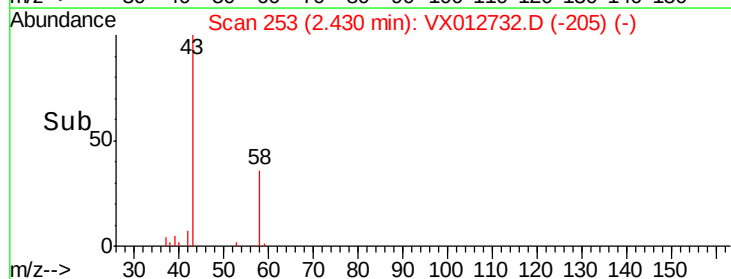
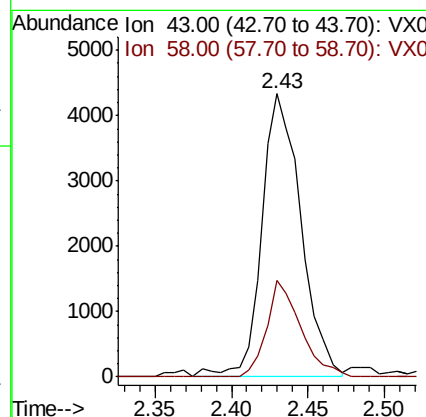
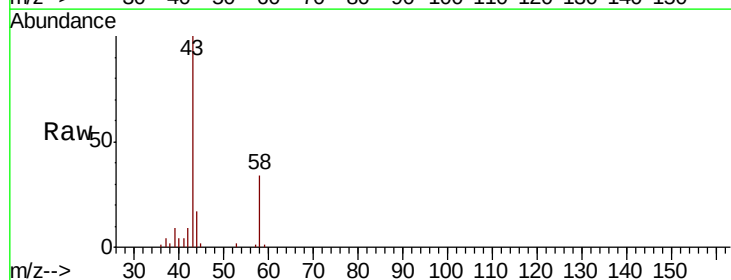
Instrument :
MSVOA_X
ClientSampled :

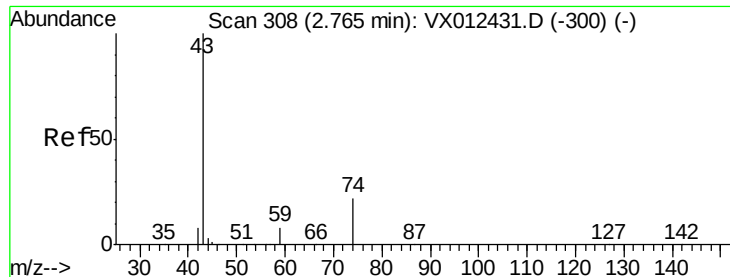
Tot Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 324.4 55.8 83.8#



#16
Acetone
Concen: 6.118 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

Tgt Ion: 43 Resp: 7713
Ion Ratio Lower Upper
43 100
58 34.2 23.3 34.9

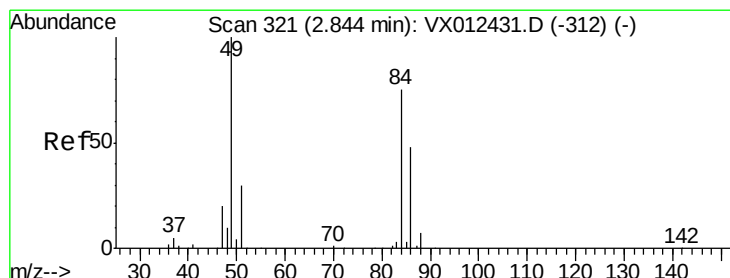
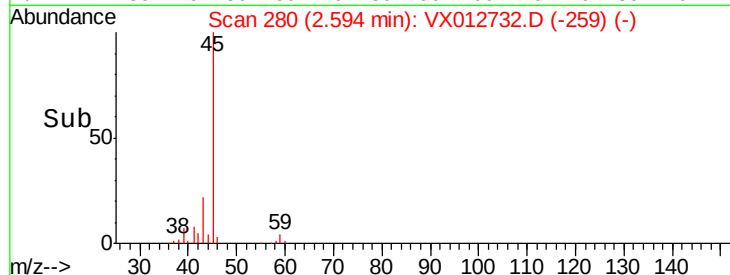
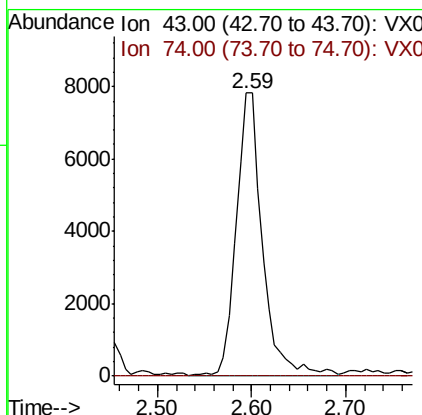
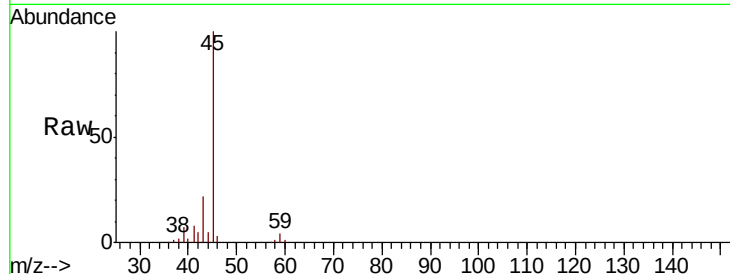




#18
Methvl Acetate
Concen: 5.125 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

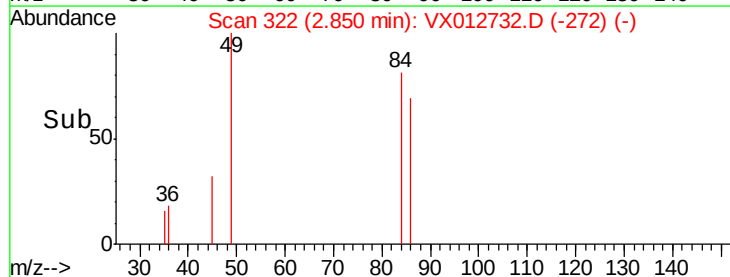
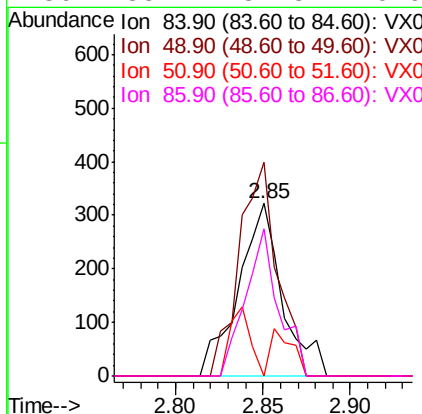
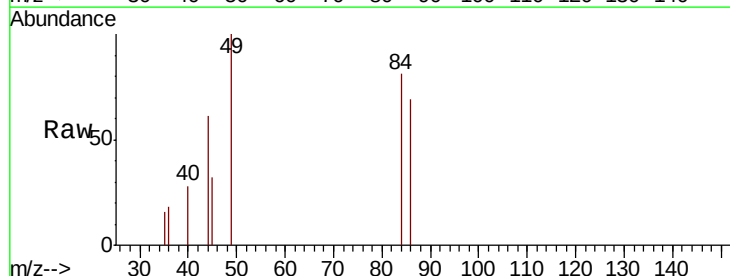
Instrument :
MSVOA_X
ClientSampled :

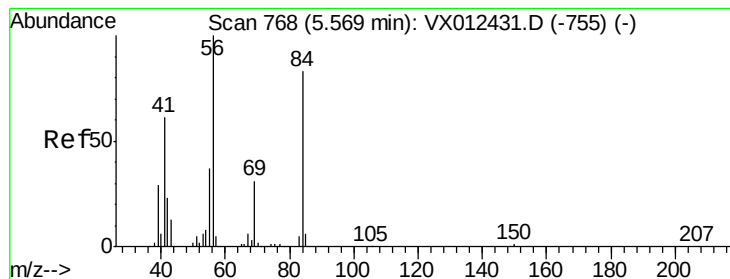
Tot Ion: 43 Resp: 15215
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.265 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

Tgt Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 123.9 106.8 160.2
51 0.0 32.3 48.5#
86 85.7 51.3 76.9#





#31

Cyclohexane

Concen: 1.128 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012732.D

Acq: 01 Oct 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

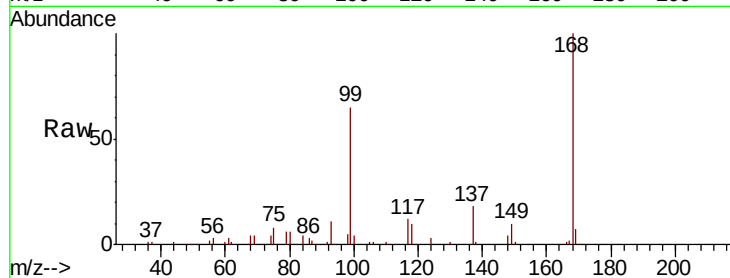
Tot Ion: 56 Resp: 3738

Ion Ratio Lower Upper

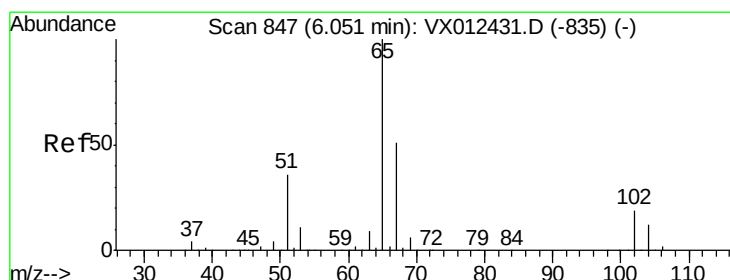
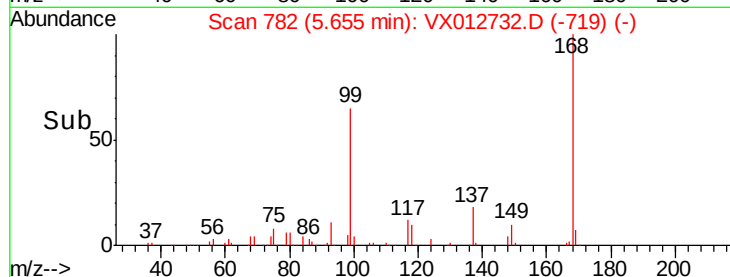
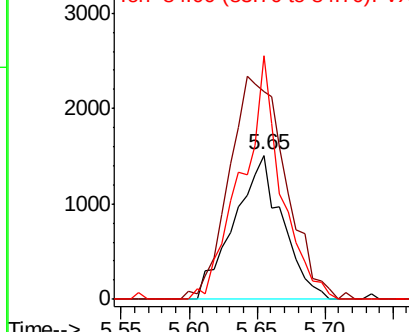
56 100

69 144.5 25.0 37.6#

84 169.2 66.4 99.6#



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: 48.485 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012732.D

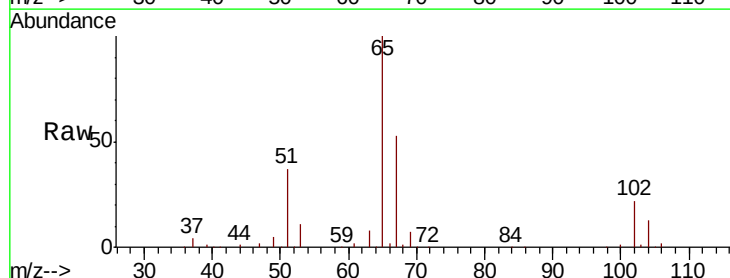
Acq: 01 Oct 2019 14:51

Tgt Ion: 65 Resp: 115399

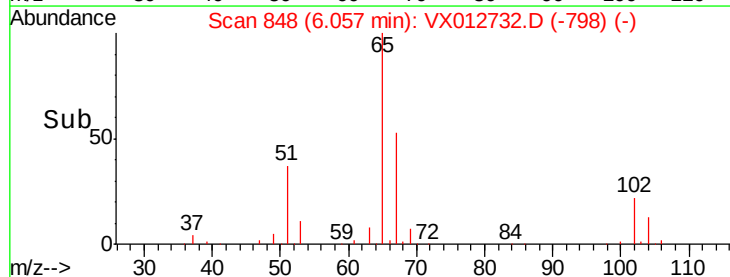
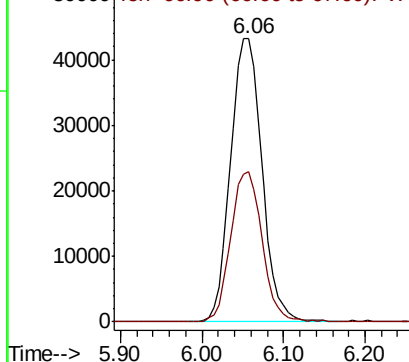
Ion Ratio Lower Upper

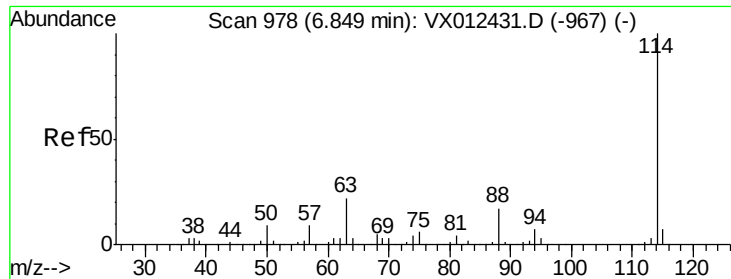
65 100

67 52.5 0.0 101.2



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

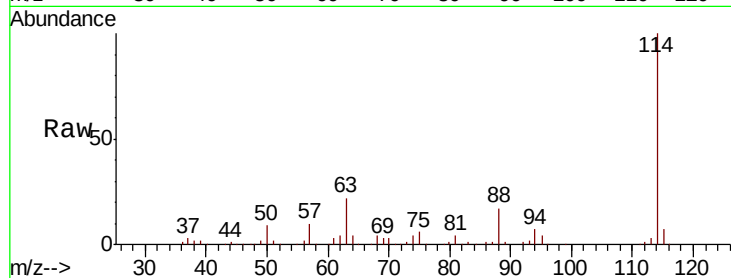




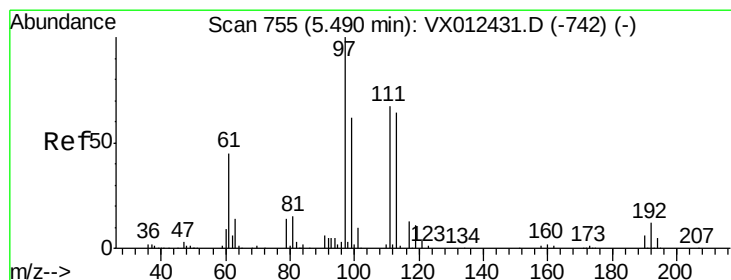
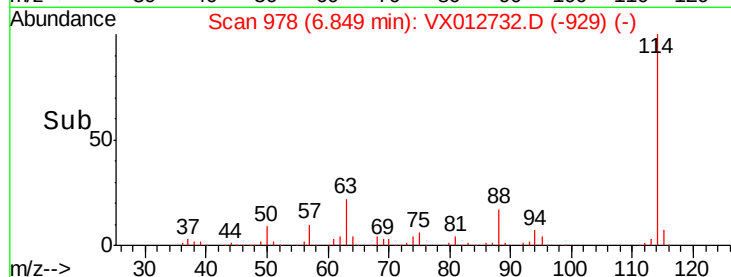
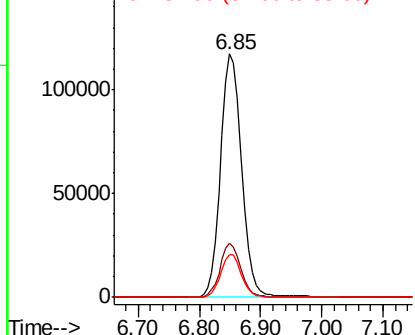
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 282616
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.2
88 17.3 0.0 33.2

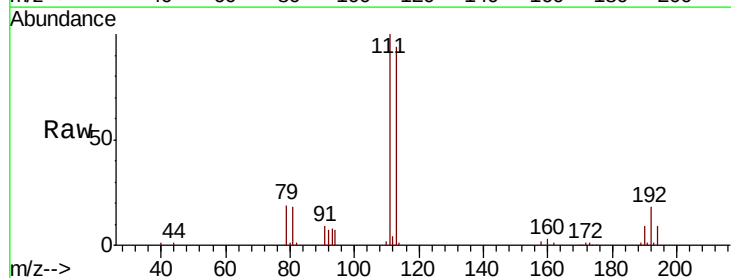


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

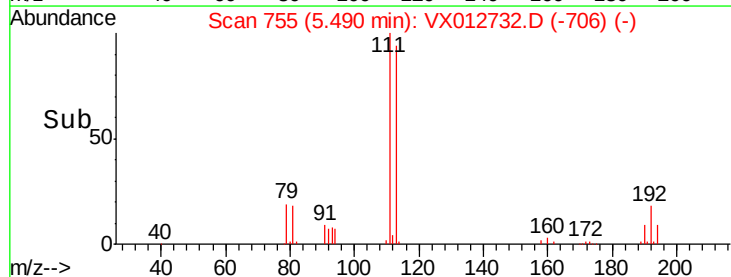
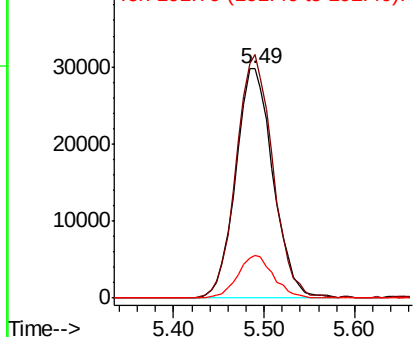


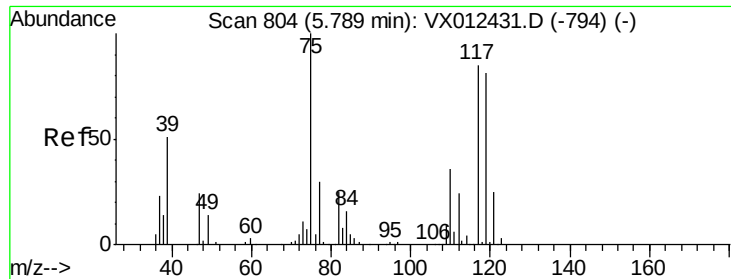
#35
Dibromofluoromethane
Concen: 50.740 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

Tgt Ion:113 Resp: 85401
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.2
192 17.7 14.4 21.6



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

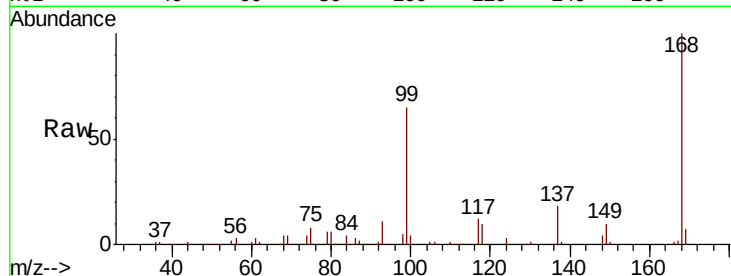




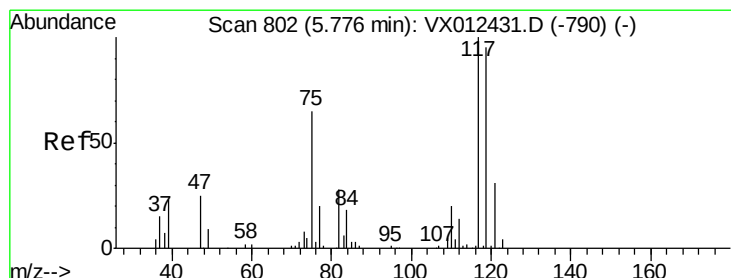
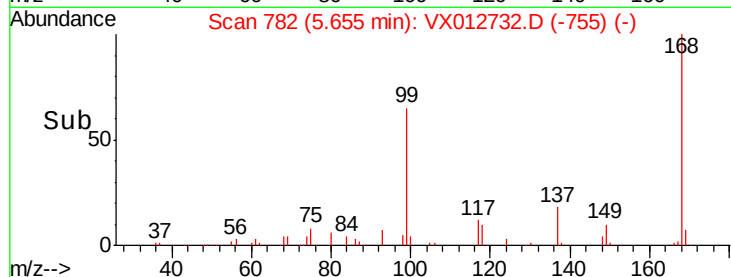
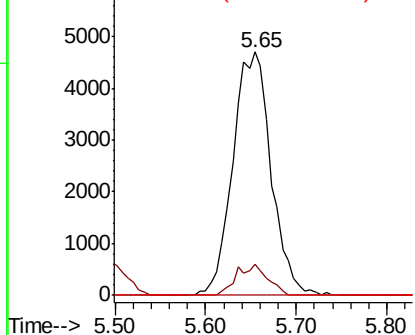
#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012732.D
 Acq: 01 Oct 2019 14:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 13714
 Ion Ratio Lower Upper
 75 100
 110 10.3 16.7 50.0#
 77 0.0 24.2 36.2#

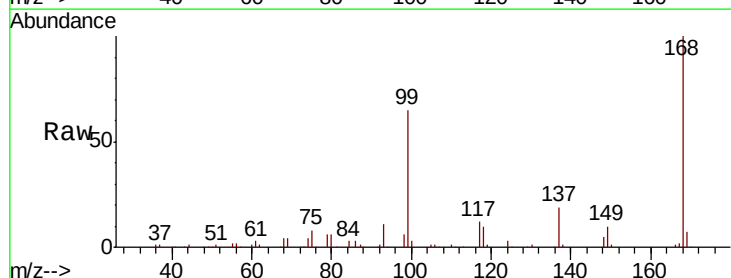


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

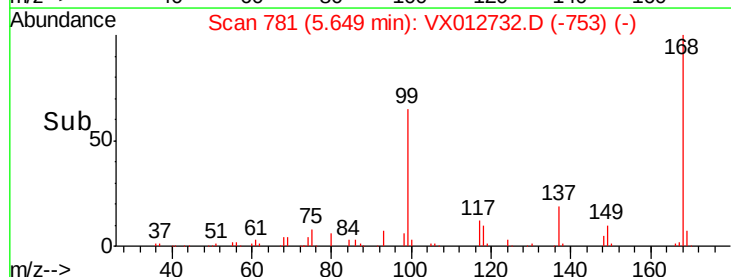
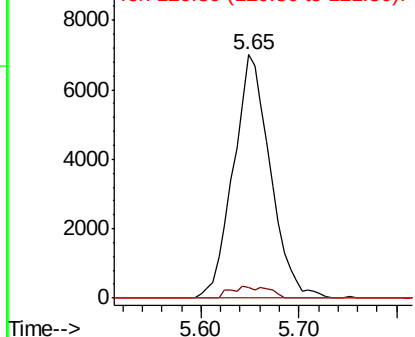


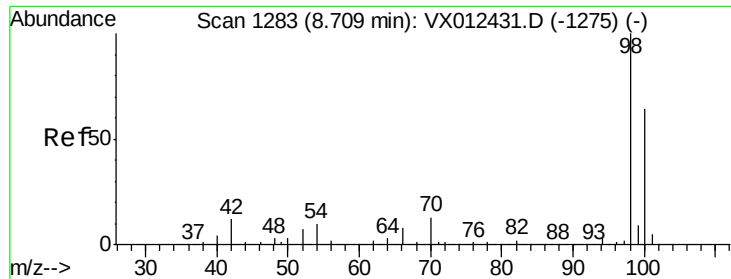
#38
 Carbon Tetrachloride
 Concen: 6.627 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012732.D
 Acq: 01 Oct 2019 14:51

Tgt Ion: 117 Resp: 18338
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.7 113.5#
 121 0.0 24.2 36.4#



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

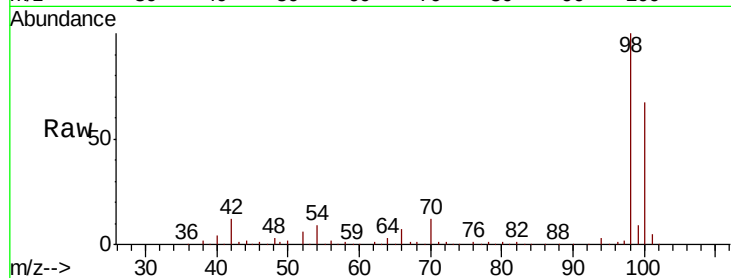




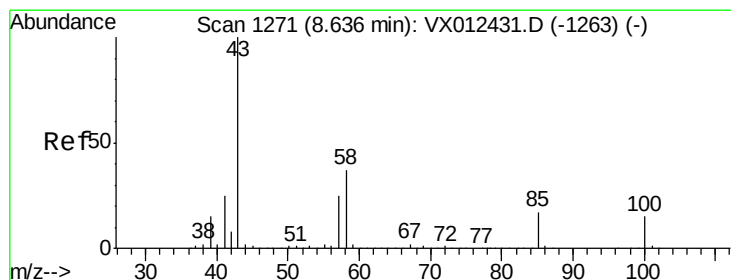
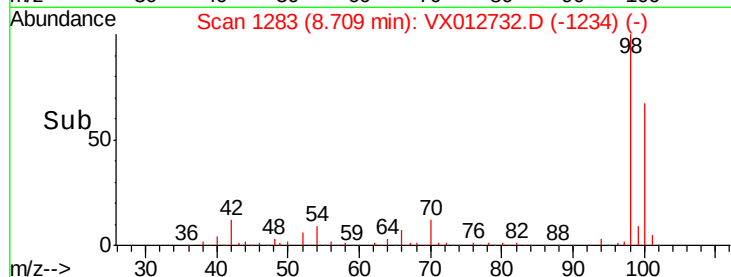
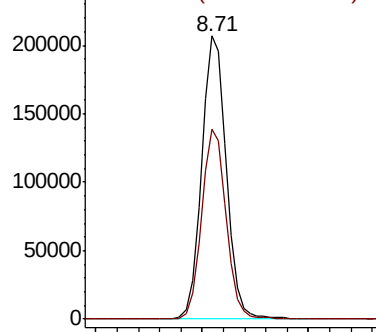
#50
Toluene-d8
Concen: 51.783 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 335643
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2

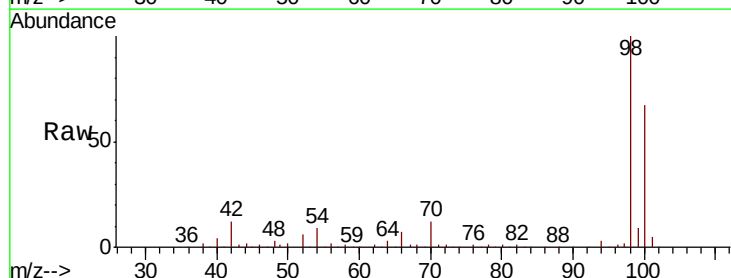


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX

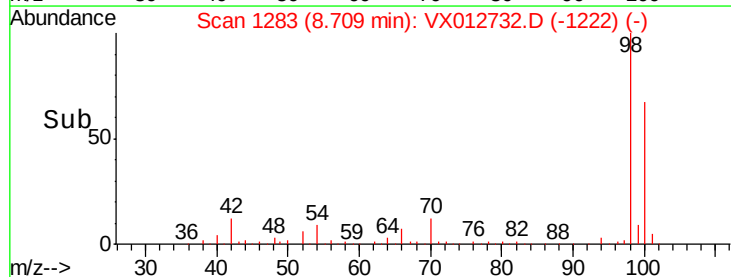
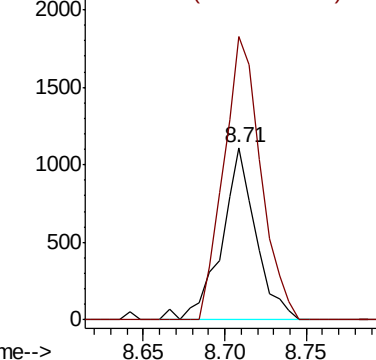


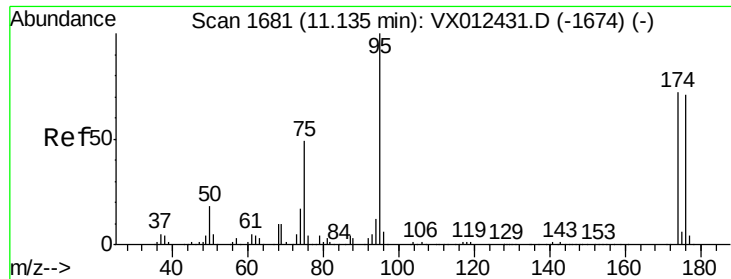
#51
4-Methyl-2-Pentanone
Concen: 0.494 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX012732.D
Acq: 01 Oct 2019 14:51

Tgt Ion: 43 Resp: 1624
Ion Ratio Lower Upper
43 100
58 177.6 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 43.439 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012732.D

Acq: 01 Oct 2019 14:51

Instrument :

MSVOA_X

ClientSampled :

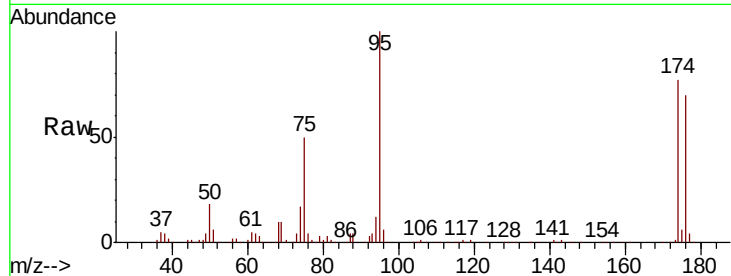
Tot Ion: 95 Resp: 110711

Ion Ratio Lower Upper

95 100

174 70.2 0.0 140.0

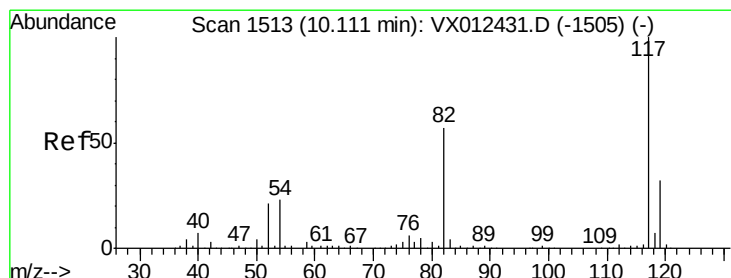
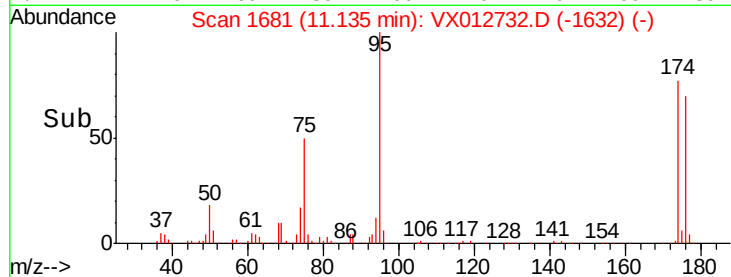
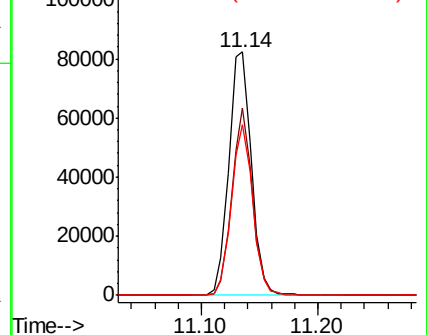
176 66.2 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX012732.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012732.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012732.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012732.D

Acq: 01 Oct 2019 14:51

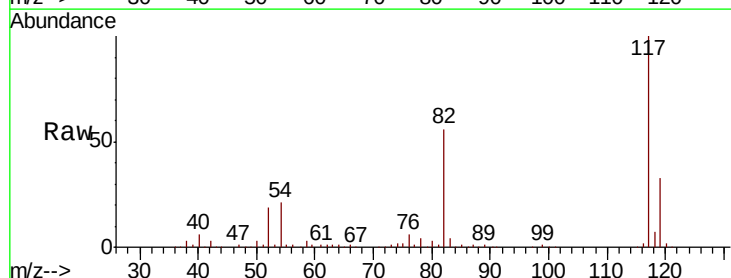
Tgt Ion: 117 Resp: 242824

Ion Ratio Lower Upper

117 100

82 55.8 45.9 68.9

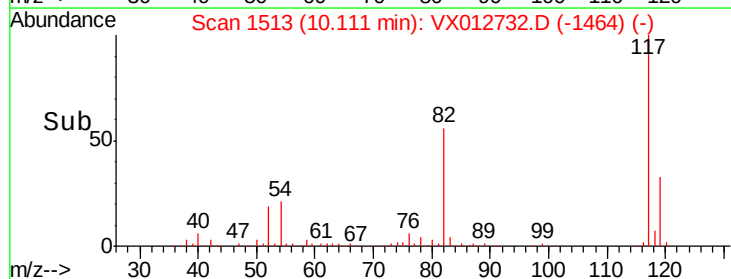
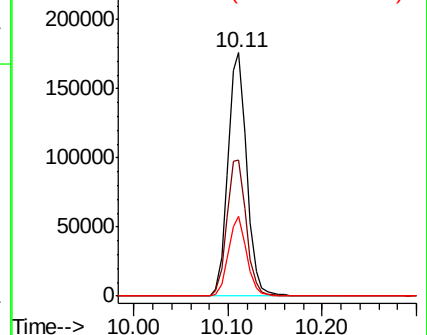
119 33.0 25.3 37.9

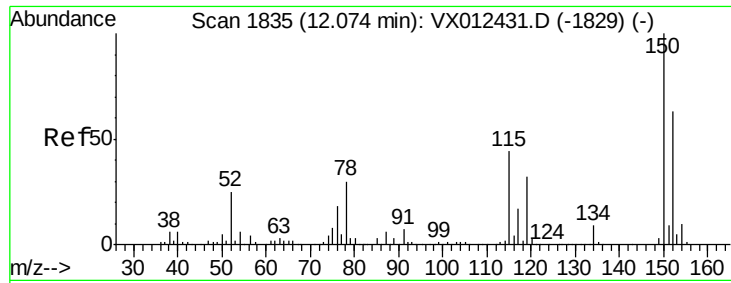


Abundance Ion 116.90 (116.60 to 117.60): VX012732.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012732.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012732.D (-1464) (-)

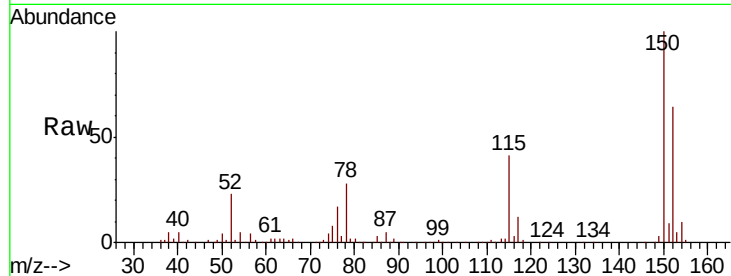




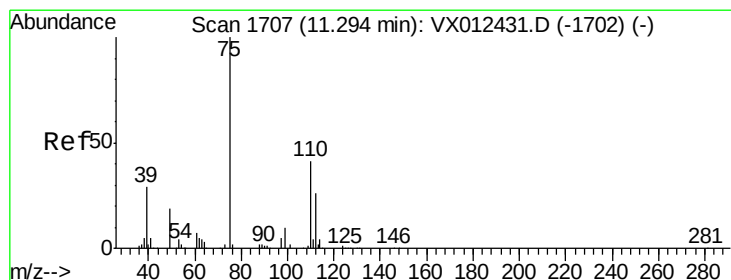
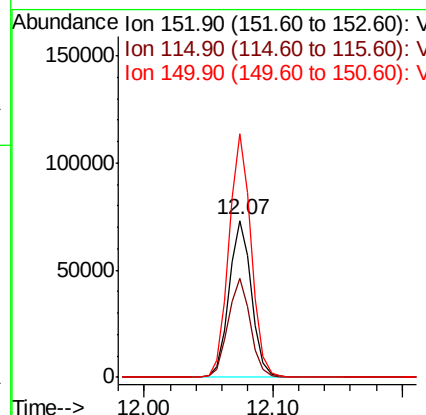
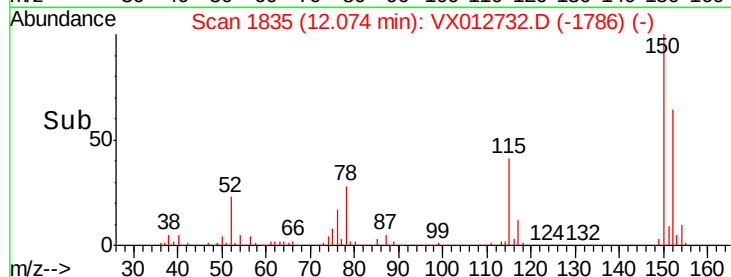
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012732.D
 Acq: 01 Oct 2019 14:51

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:152 Resp: 89564
 Ion Ratio Lower Upper
 152 100
 115 63.1 44.1 132.3
 150 154.6 0.0 343.8

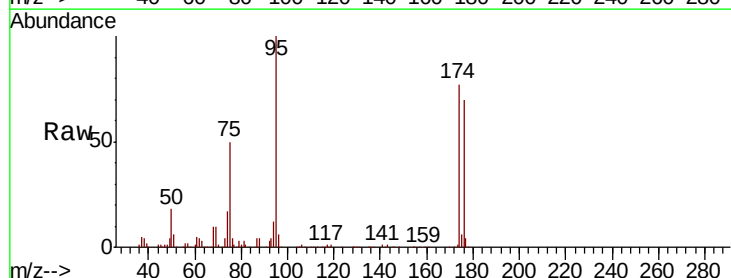


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

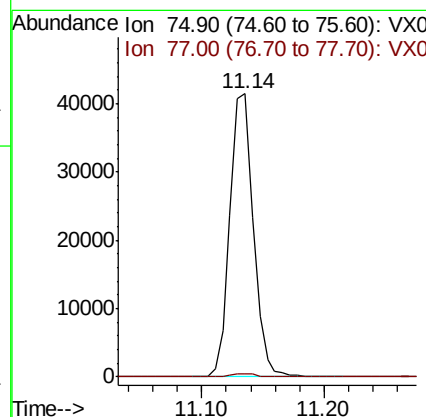
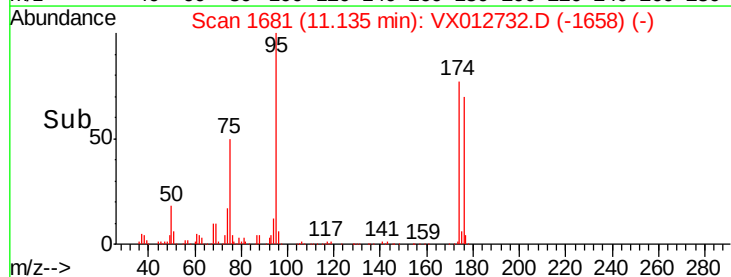


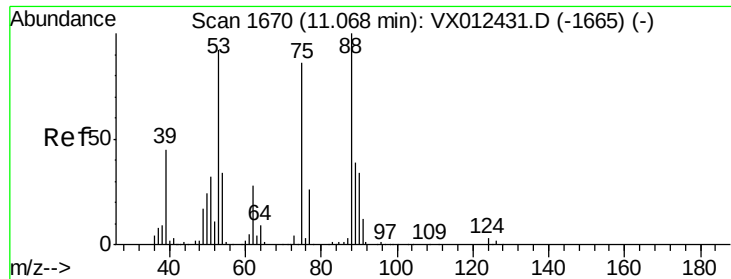
#76
 1,2,3-Trichloropropane
 Concen: 23.314 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012732.D
 Acq: 01 Oct 2019 14:51

Tgt Ion: 75 Resp: 55236
 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: 66.814 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012732.D

Acq: 01 Oct 2019 14:51

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 55236

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#

