

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052419\
 Data File : VX009885.D
 Acq On : 24 May 2019 14:37
 Operator : JC/SP
 Sample : K3032-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-3

Quant Time: May 25 00:13:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	173935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110467	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	121254	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	5.50	113	86826	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
50) Toluene-d8	8.71	98	355736	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	11.13	95	121719	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

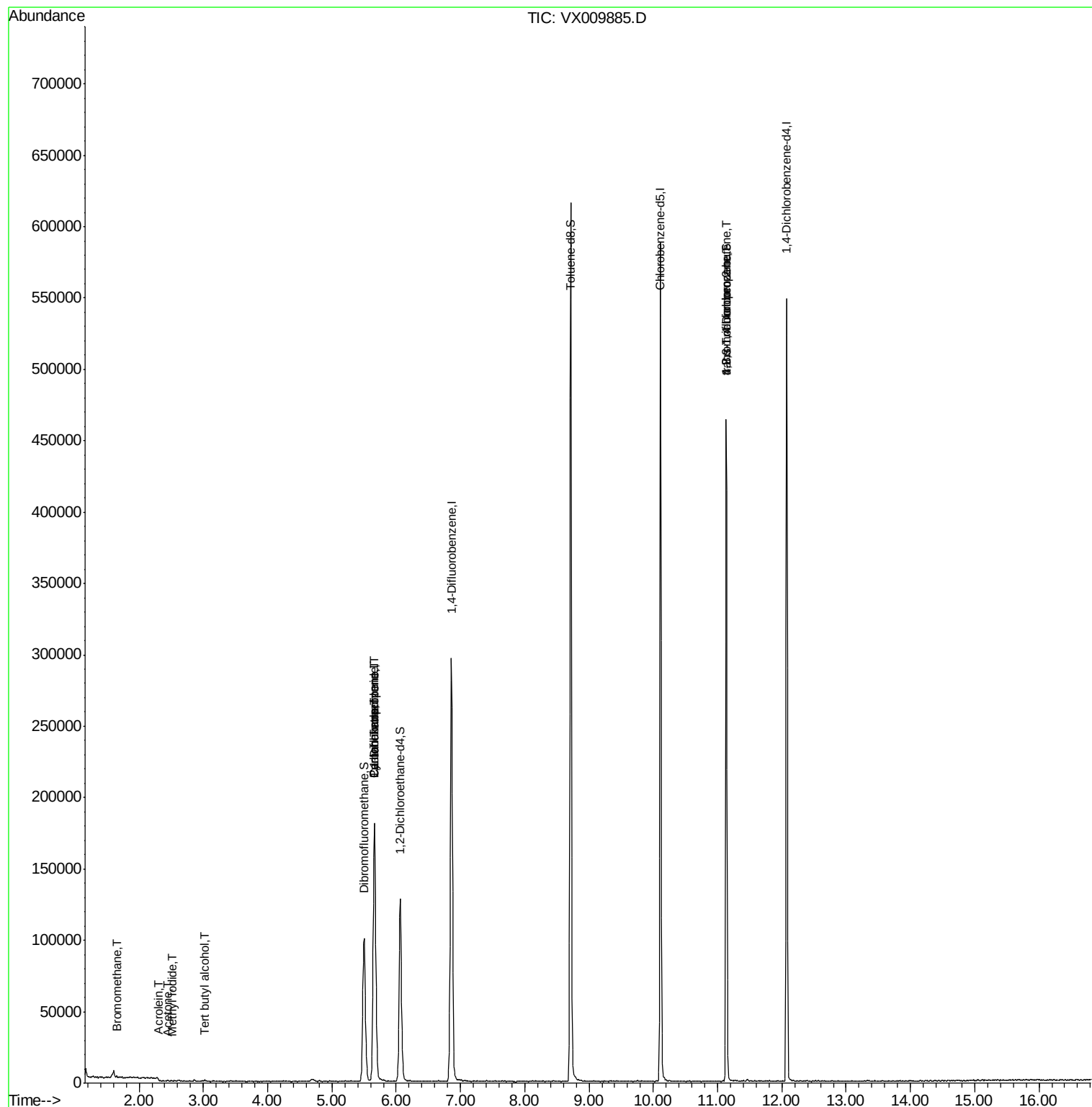
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	363	0.283	ug/l #	65
10) Methyl Iodide	2.52	142	151	4.666	ug/l #	58
11) Tert butyl alcohol	3.03	59	597	1.086	ug/l #	92
13) Acrolein	2.30	56	184	0.370	ug/l #	14
16) Acetone	2.45	43	719	0.564	ug/l #	81
28) Bromochloromethane	4.99	49	47	Below Cal	#	20
31) Cyclohexane	5.66	56	4206	1.198	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13841	5.312	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16231	6.856	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	63031	24.598	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63031	62.938	ug/l #	10

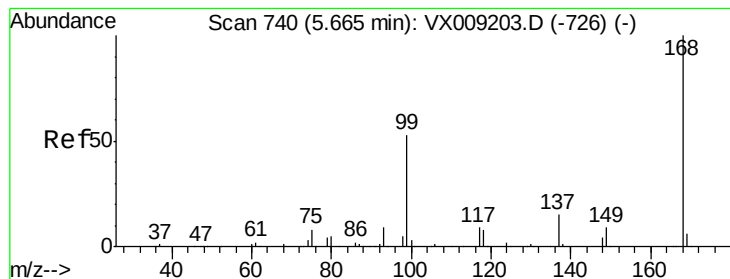
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052419\
Data File : VX009885.D
Acq On : 24 May 2019 14:37
Operator : JC/SP
Sample : K3032-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-3

Quant Time: May 25 00:13:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

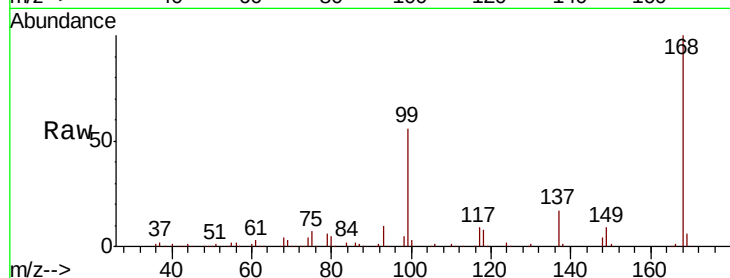
S32-TB-2019-3

Tot Ion:168 Resp: 173935

Ion Ratio Lower Upper

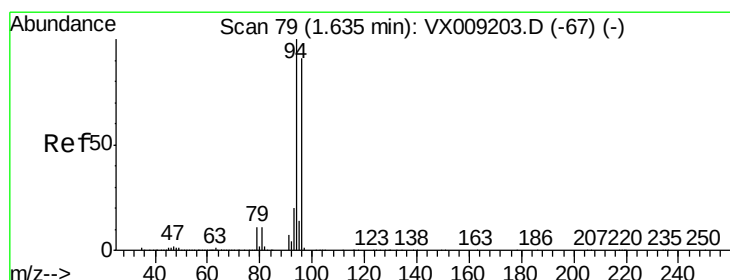
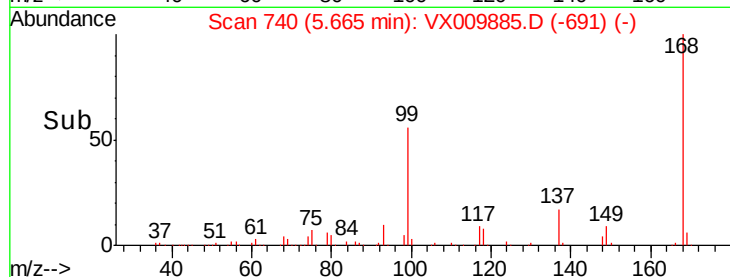
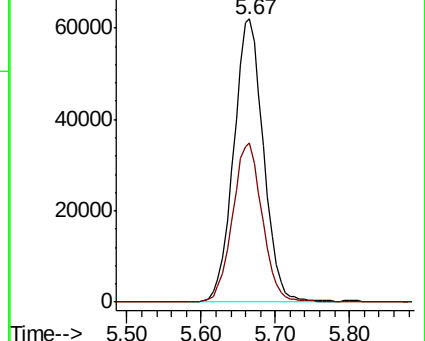
168 100

99 56.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.283 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009885.D

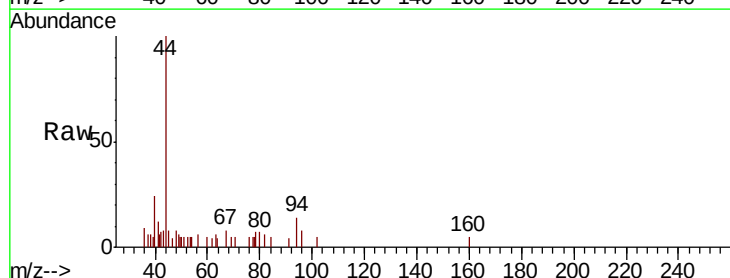
Acq: 24 May 2019 14:37

Tgt Ion: 94 Resp: 363

Ion Ratio Lower Upper

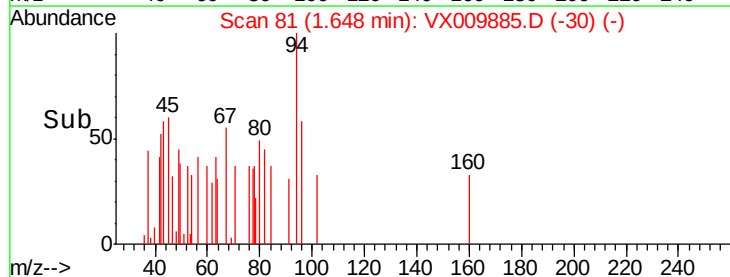
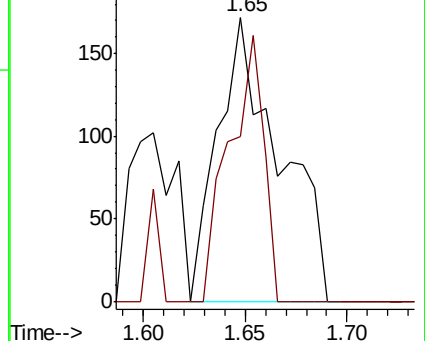
94 100

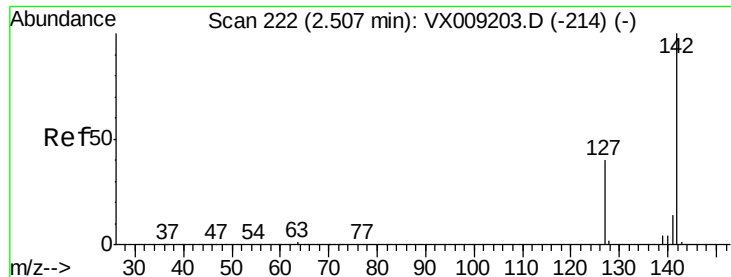
96 58.1 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

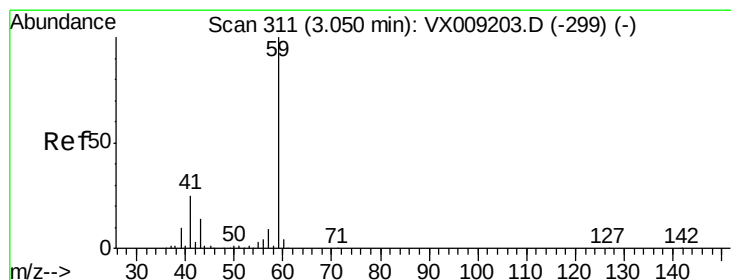
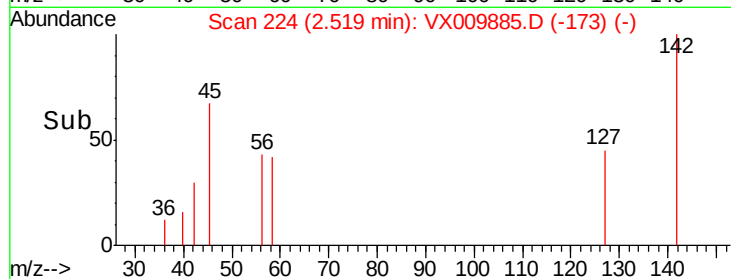
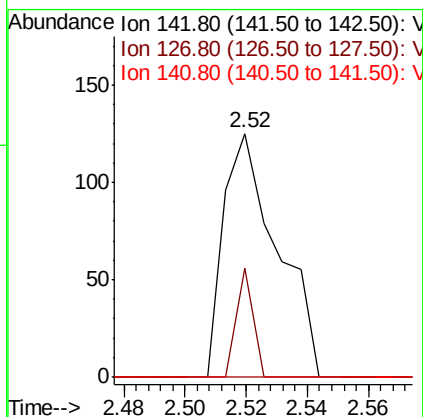
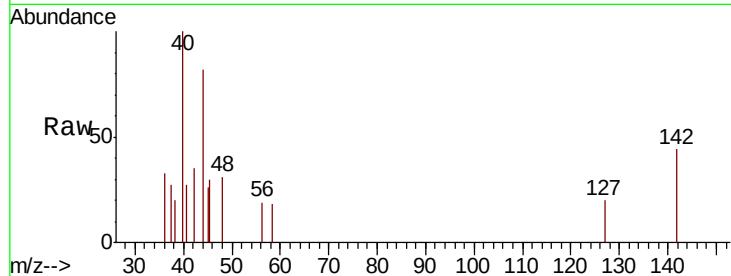




#10
Methvl Iodide
Concen: 4.666 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX009885.D
Acq: 24 May 2019 14:37

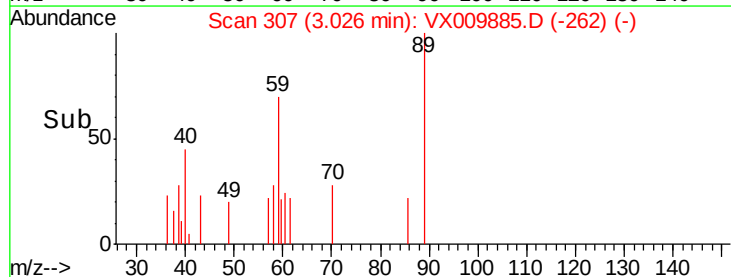
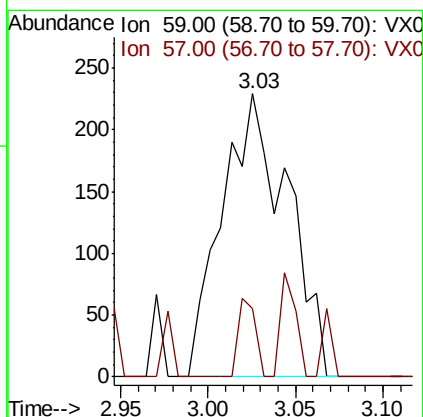
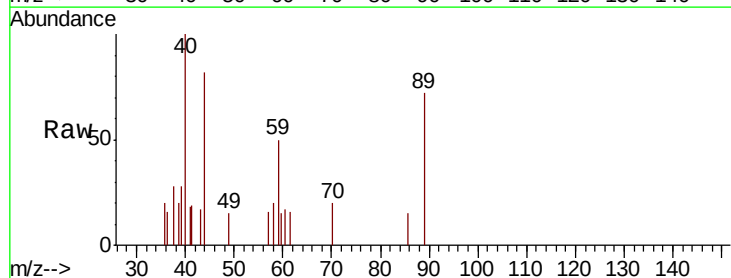
Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-3

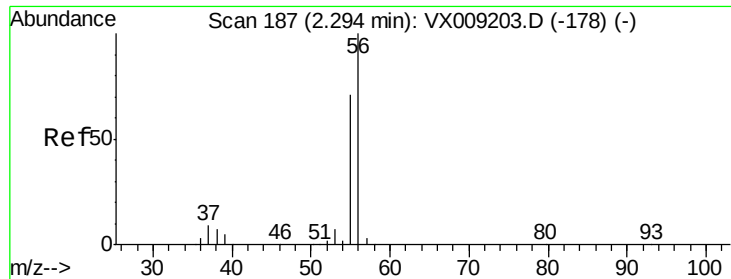
Tot Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 13.2 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 1.086 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX009885.D
Acq: 24 May 2019 14:37

Tgt Ion: 59 Resp: 597
Ion Ratio Lower Upper
59 100
57 7.4 8.2 12.2#





#13

Acrolein

Concen: 0.370 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

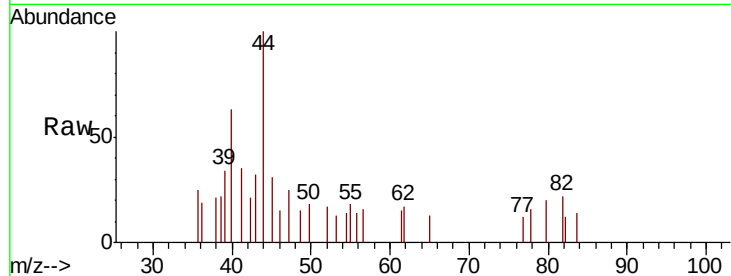
S32-TB-2019-3

Tot Ion: 56 Resp: 184

Ion Ratio Lower Upper

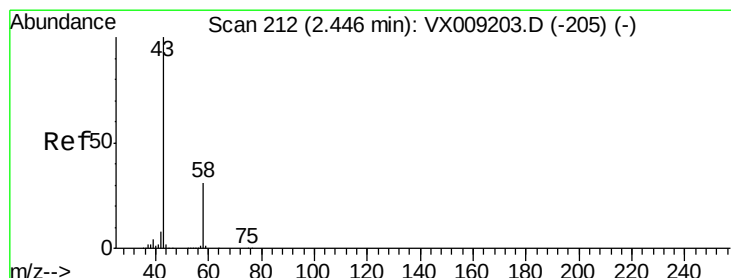
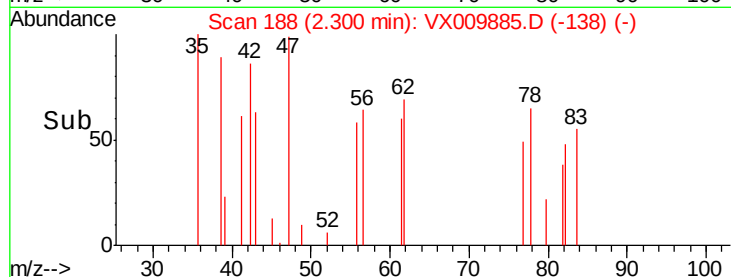
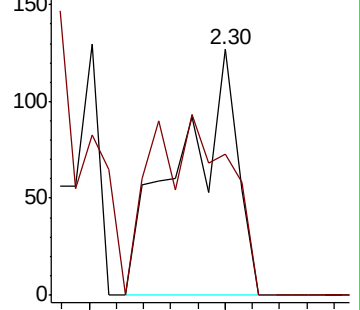
56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.564 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009885.D

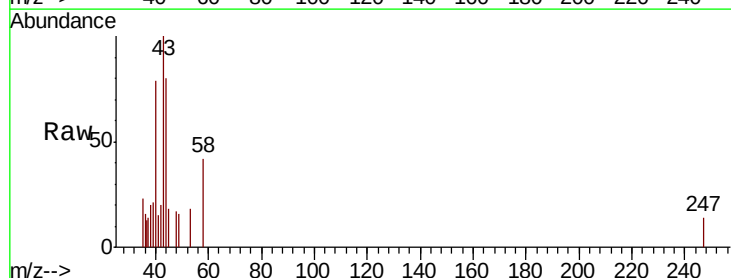
Acq: 24 May 2019 14:37

Tgt Ion: 43 Resp: 719

Ion Ratio Lower Upper

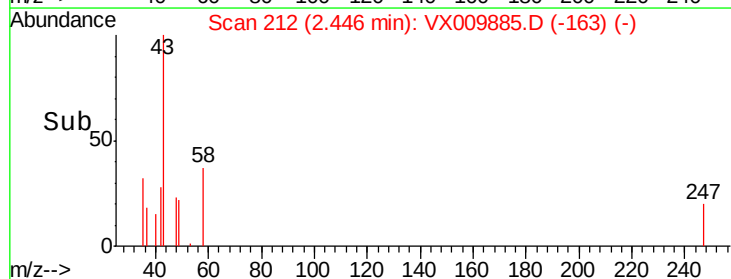
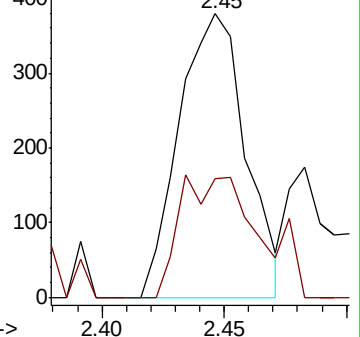
43 100

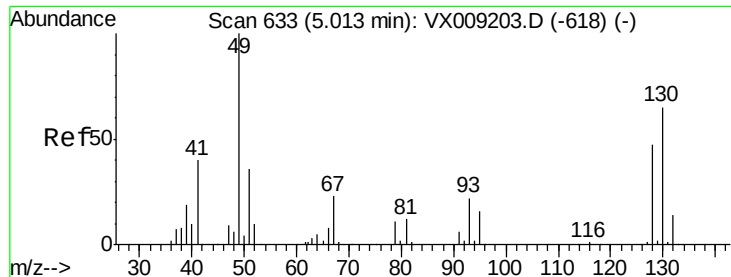
58 41.7 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 4.99 min Scan# 629

Delta R.T. -0.02 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-3

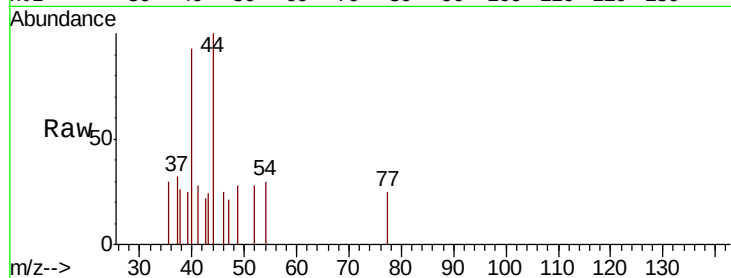
Tot Ion: 49 Resp: 47

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

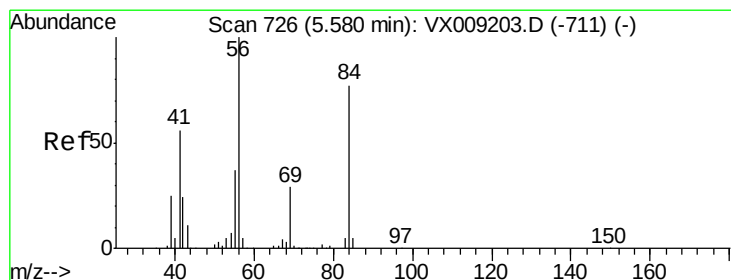
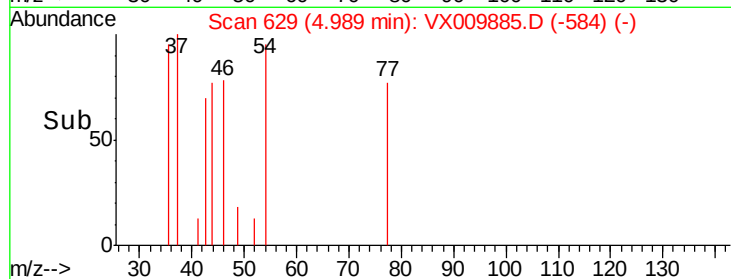
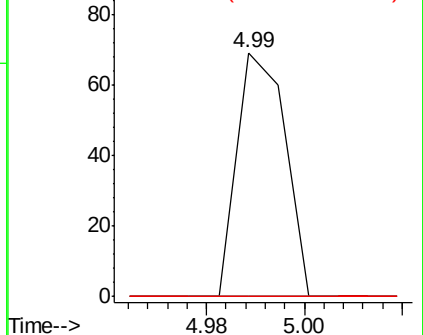
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.198 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

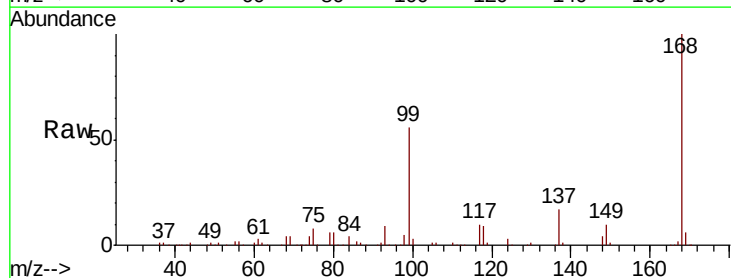
Tgt Ion: 56 Resp: 4206

Ion Ratio Lower Upper

56 100

69 182.1 23.4 35.0#

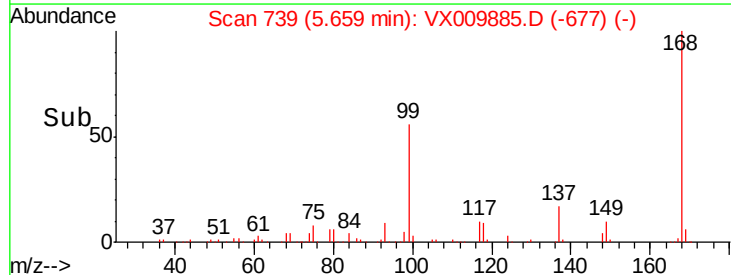
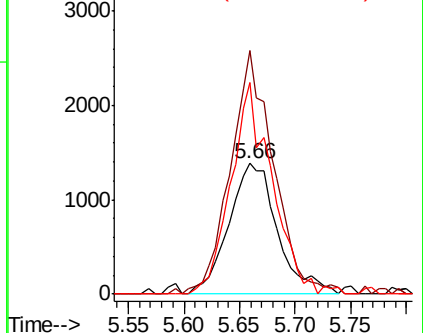
84 161.9 61.9 92.9#

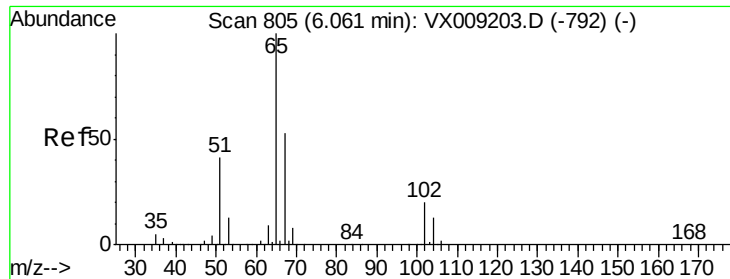


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

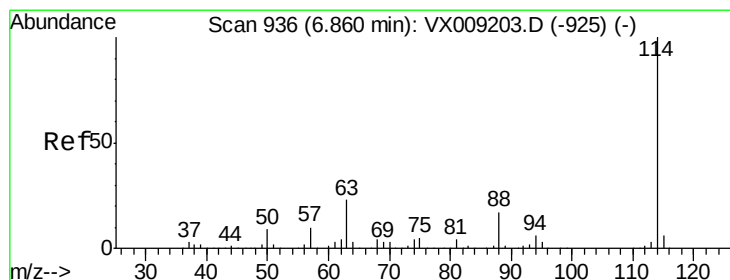
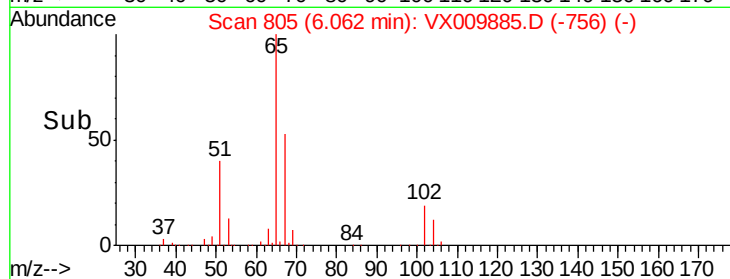
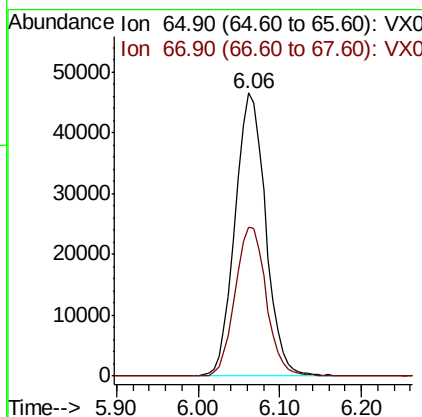
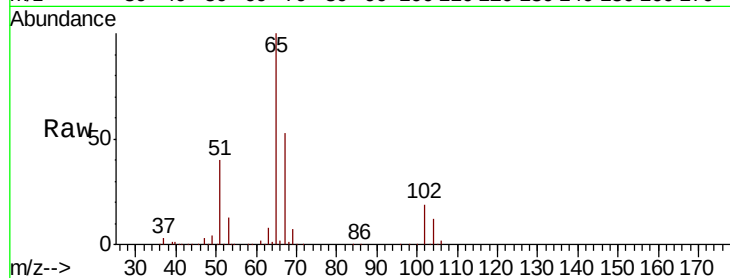




#33
 1,2-Dichloroethane-d4
 Concen: 51.067 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009885.D
 Acq: 24 May 2019 14:37

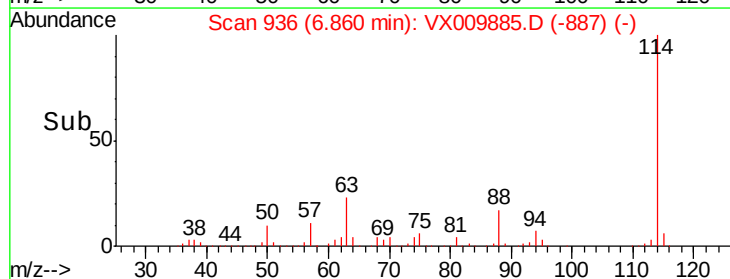
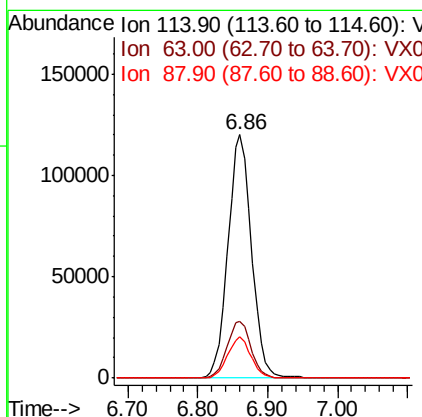
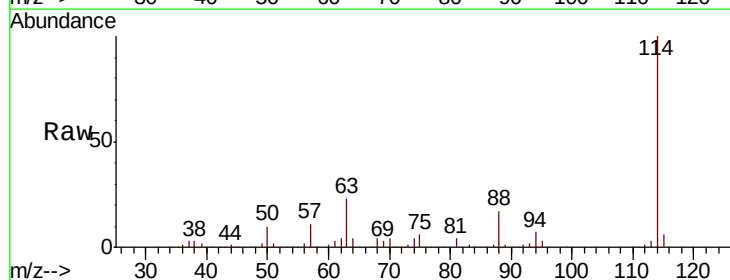
Instrument :
 MSVOA_X
 ClientSampled :
 S32-TB-2019-3

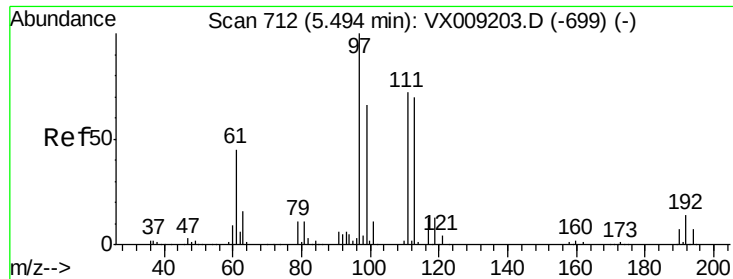
Tot Ion: 65 Resp: 121254
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009885.D
 Acq: 24 May 2019 14:37

Tgt Ion: 114 Resp: 280379
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 17.1 0.0 33.2

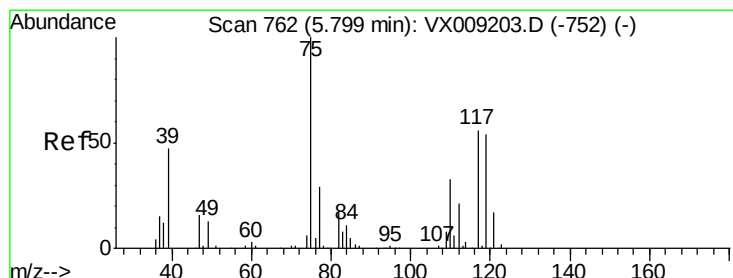
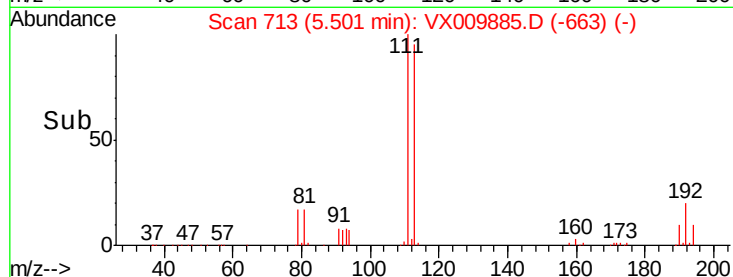
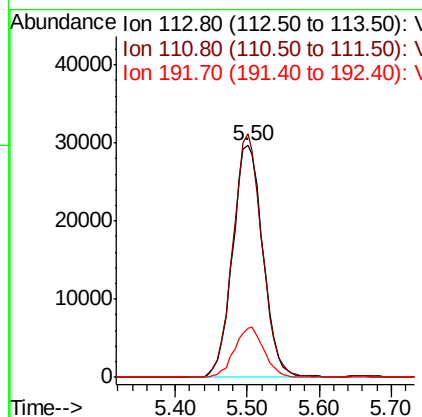
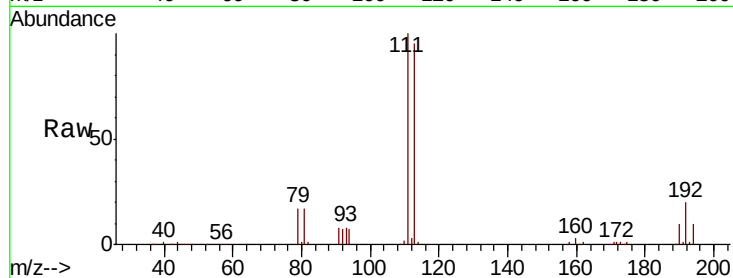




#35
 Dibromofluoromethane
 Concen: 49.261 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009885.D
 Acq: 24 May 2019 14:37

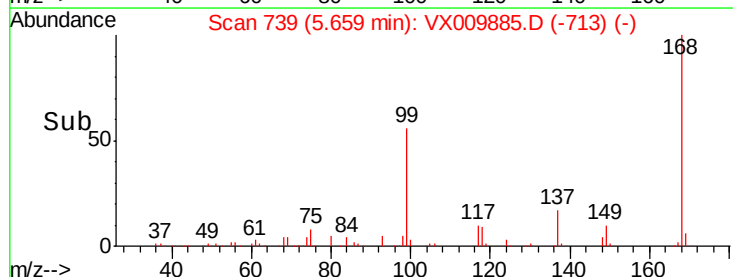
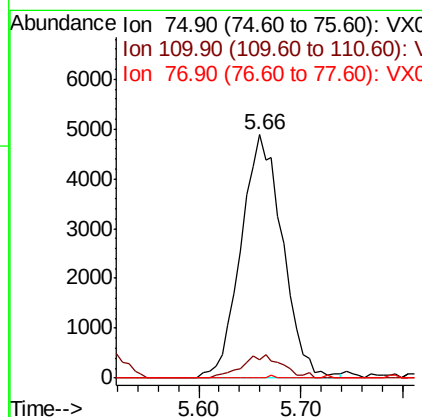
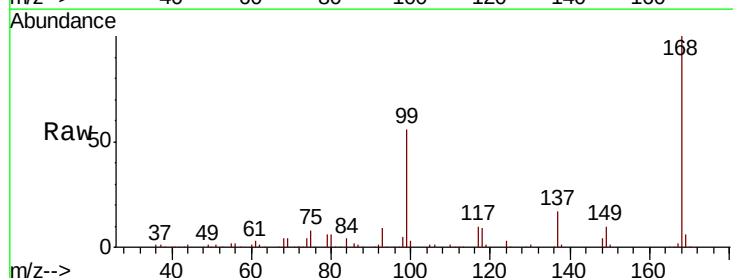
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-3

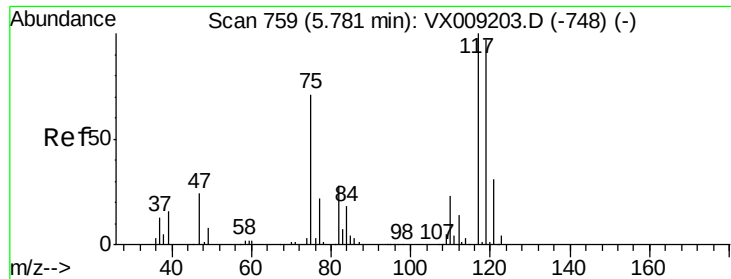
Tot Ion:113 Resp: 86826
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.8 124.2
 192 20.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.312 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009885.D
 Acq: 24 May 2019 14:37

Tgt Ion: 75 Resp: 13841
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.1 24.8 37.2#

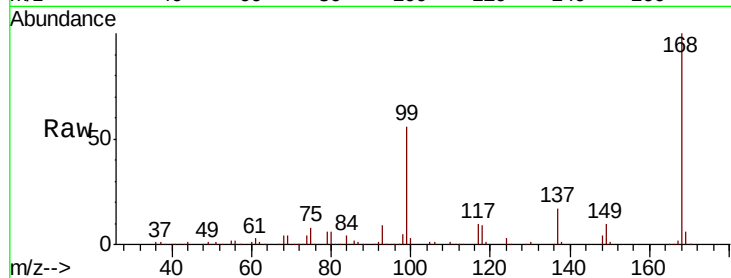




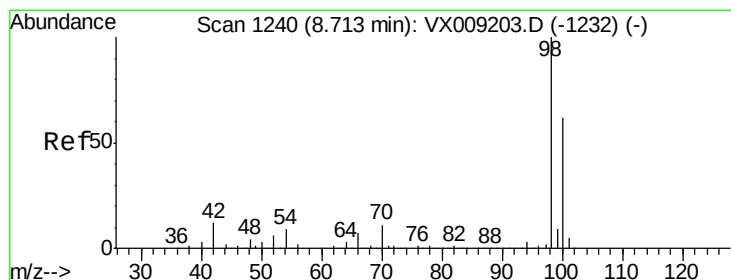
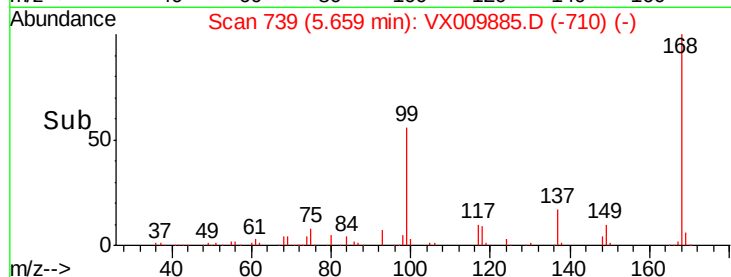
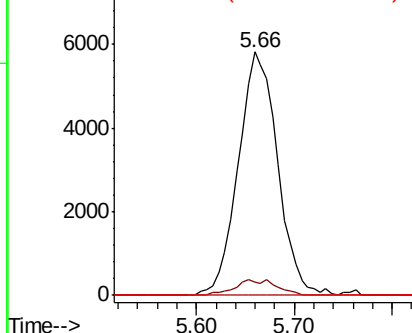
#38
Carbon Tetrachloride
Concen: 6.856 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009885.D
Acq: 24 May 2019 14:37

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-3

Tot Ion:117 Resp: 16231
Ion Ratio Lower Upper
117 100
119 5.5 77.5 116.3#
121 0.0 24.7 37.1#

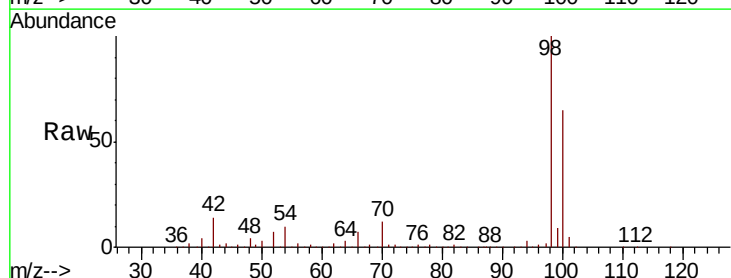


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

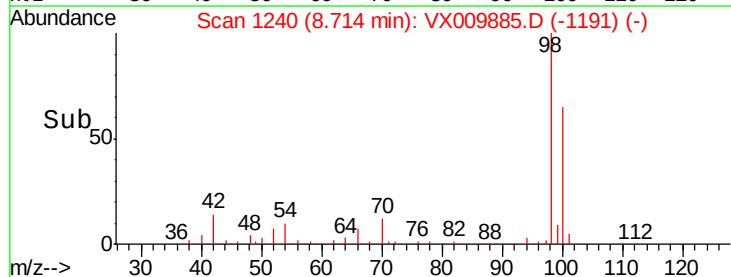
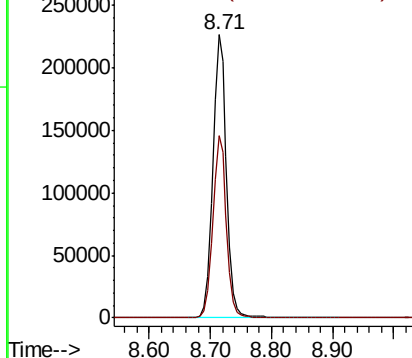


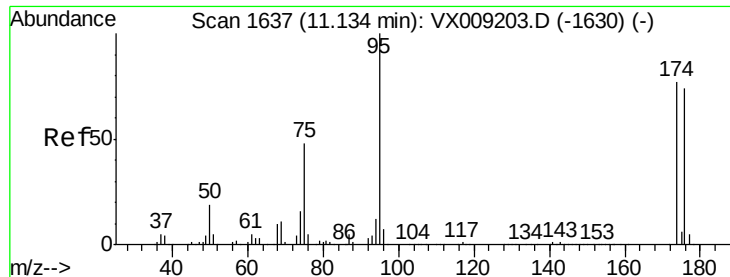
#50
Toluene-d8
Concen: 49.991 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009885.D
Acq: 24 May 2019 14:37

Tgt Ion: 98 Resp: 355736
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 47.075 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-3

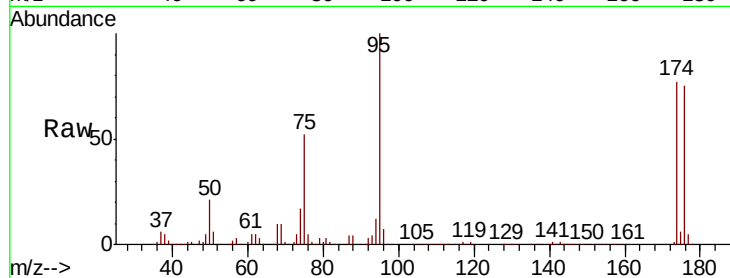
Tot Ion: 95 Resp: 121719

Ion Ratio Lower Upper

95 100

174 80.7 0.0 161.6

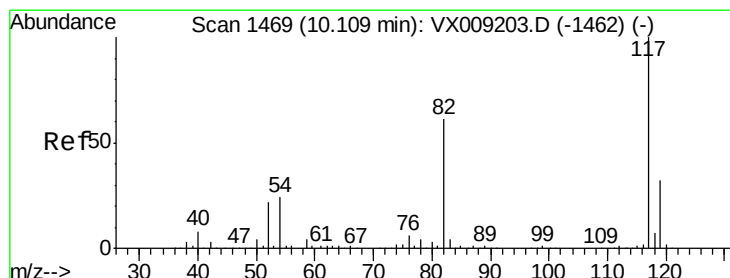
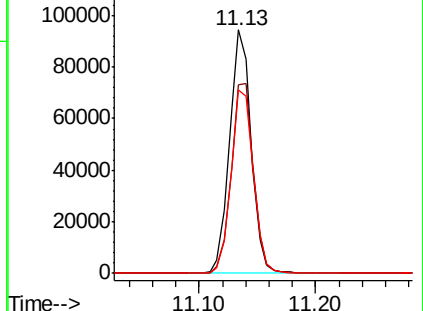
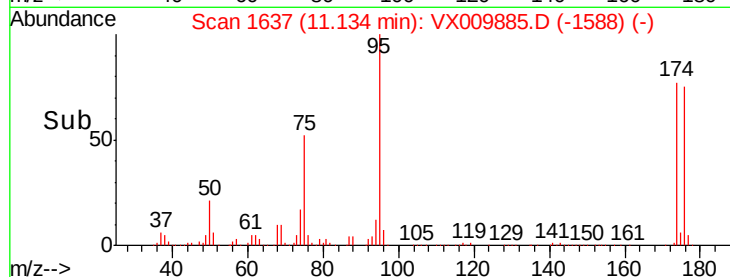
176 78.0 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009885.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009885.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009885.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

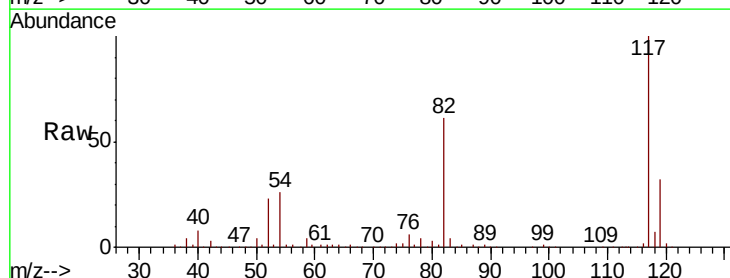
Tgt Ion: 117 Resp: 253515

Ion Ratio Lower Upper

117 100

82 61.0 48.8 73.2

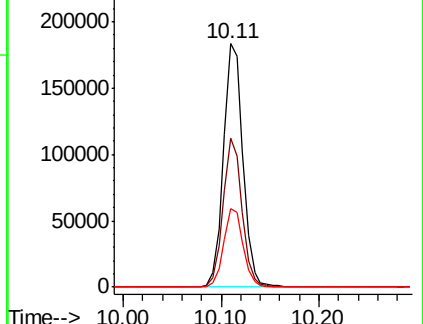
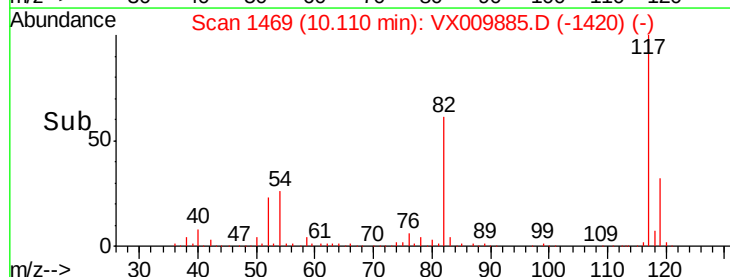
119 32.0 25.8 38.6

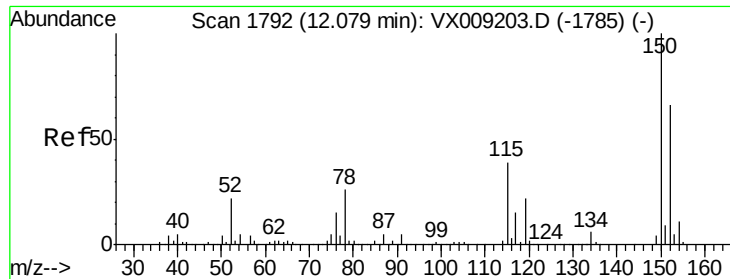


Abundance Ion 116.90 (116.60 to 117.60): VX009885.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009885.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009885.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-3

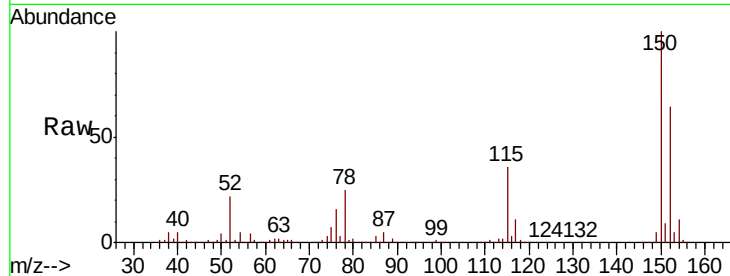
Tot Ion:152 Resp: 110467

Ion Ratio Lower Upper

152 100

115 60.1 41.2 123.6

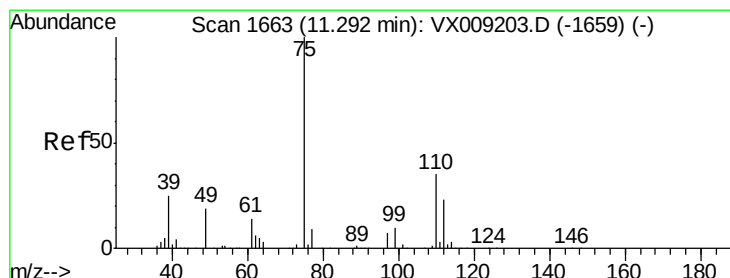
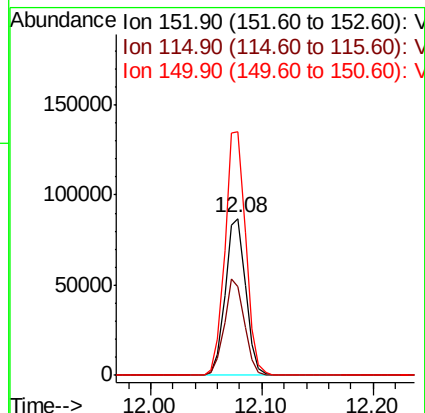
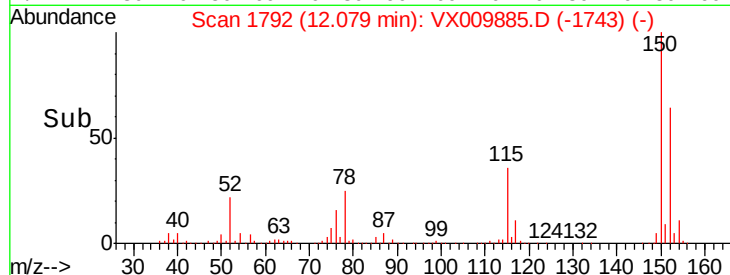
150 157.8 0.0 346.4



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: 24.598 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009885.D

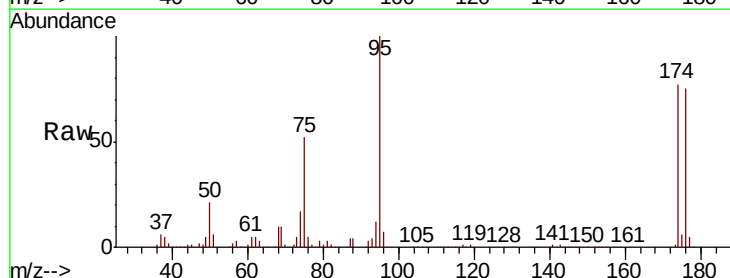
Acq: 24 May 2019 14:37

Tgt Ion: 75 Resp: 63031

Ion Ratio Lower Upper

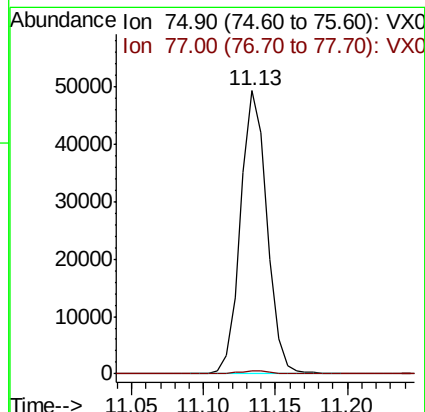
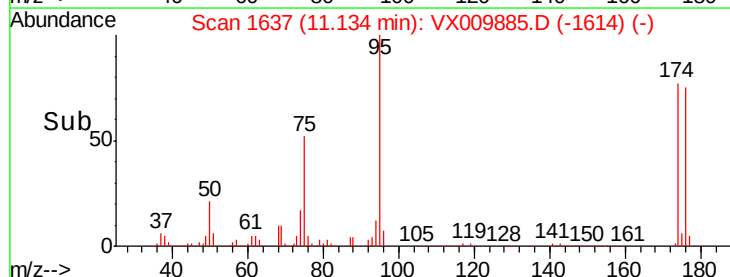
75 100

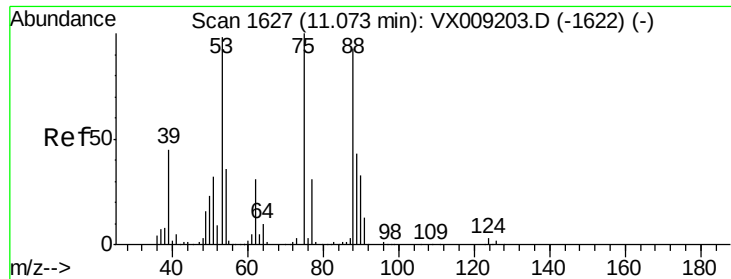
77 1.3 22.1 66.1#



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: 62.938 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009885.D

Acq: 24 May 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-3

Tot Ion: 75 Resp: 63031

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

