

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009957.D
 Acq On : 30 May 2019 13:54
 Operator : JC/SP
 Sample : K3094-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-5

Quant Time: May 31 05:33:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	171709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	275357	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105970	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	118129	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	5.50	113	86170	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
50) Toluene-d8	8.71	98	353027	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	118935	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	

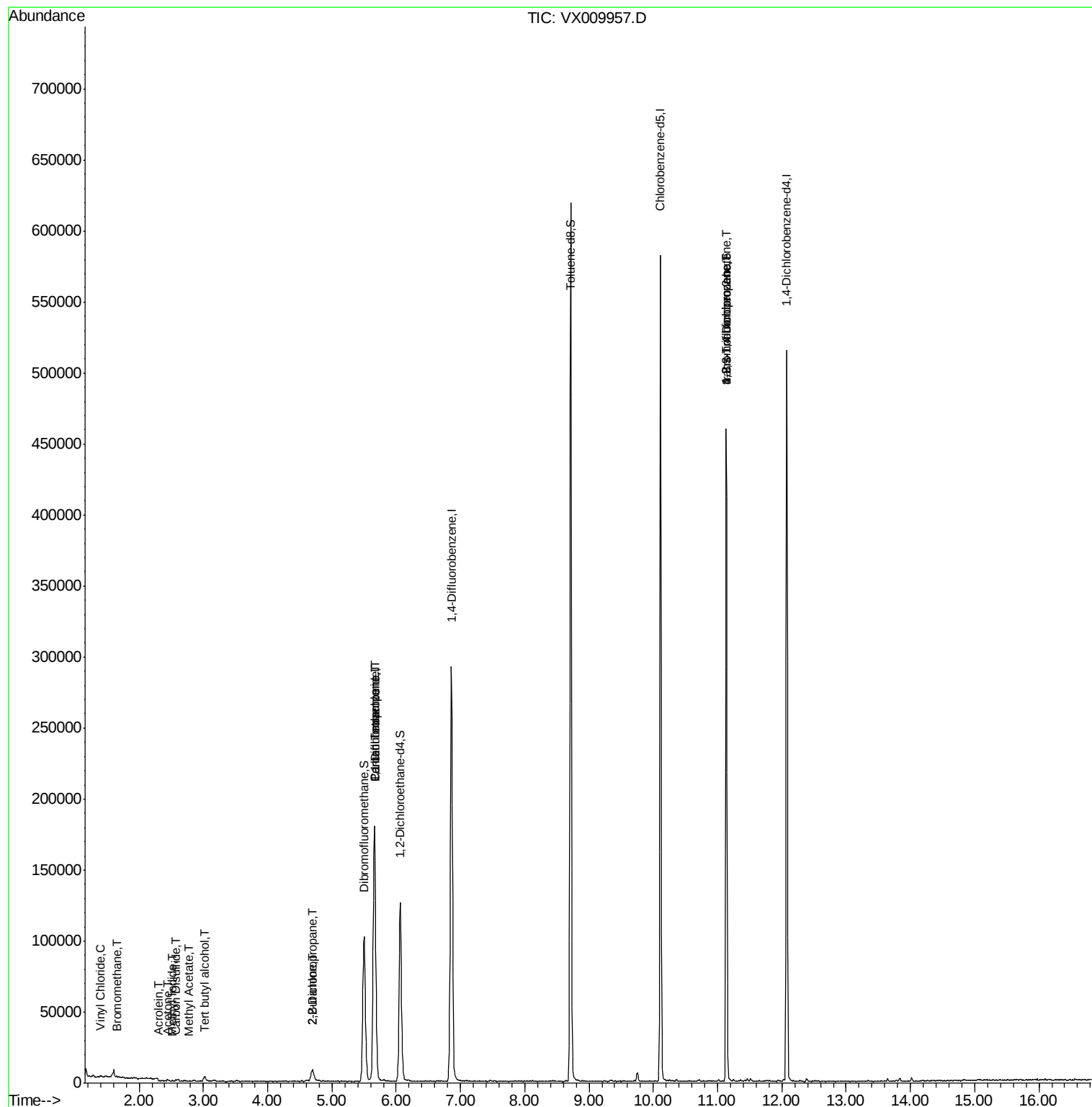
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	830	0.326	ug/l	97
5) Bromomethane	1.65	94	311	0.202	ug/l	92
10) Methyl Iodide	2.51	142	386	4.823	ug/l #	84
11) Tert butyl alcohol	3.02	59	2163	3.624	ug/l #	81
13) Acrolein	2.30	56	149	21.419	ug/l #	28
16) Acetone	2.44	43	1240	0.885	ug/l	98
17) Carbon Disulfide	2.57	76	1231	0.617	ug/l	99
18) Methyl Acetate	2.78	43	713	0.219	ug/l #	65
25) 2-Butanone	4.70	43	1084	0.496	ug/l #	54
26) 2,2-Dichloropropane	4.70	77	818	0.277	ug/l #	53
36) 1,1-Dichloropropene	5.66	75	14362	5.141	ug/l #	49
38) Carbon Tetrachloride	5.66	117	16159	6.693	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	61172	24.140	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61172	59.726	ug/l #	10

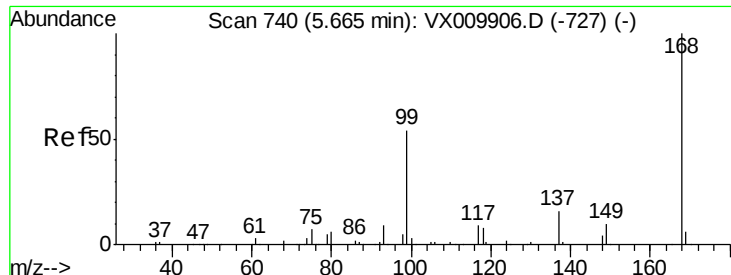
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

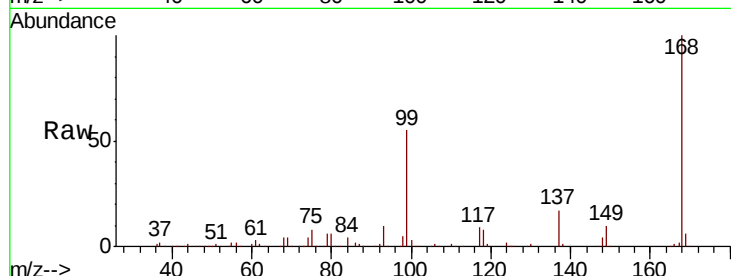
S32-TB-2019-5

Tot Ion:168 Resp: 171709

Ion Ratio Lower Upper

168 100

99 54.5 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

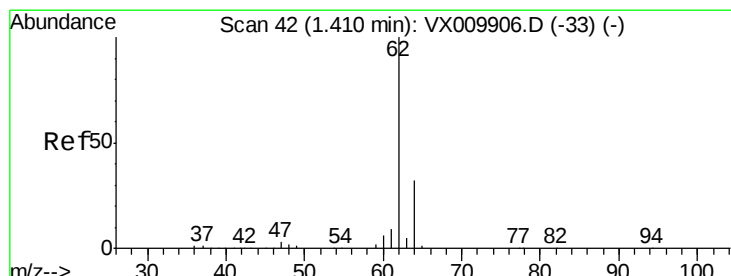
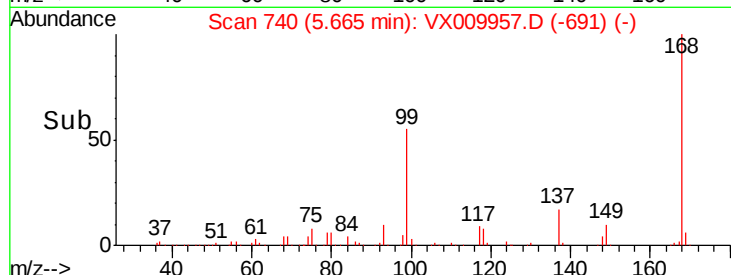
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 0.326 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009957.D

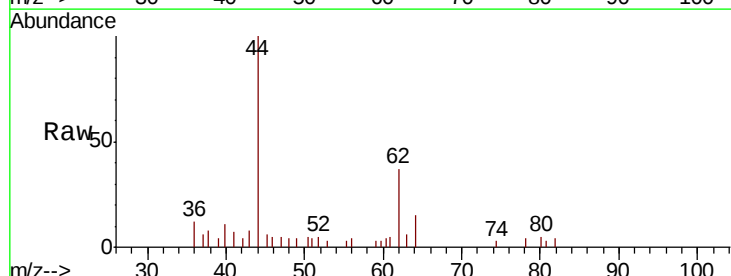
Acq: 30 May 2019 13:54

Tgt Ion: 62 Resp: 830

Ion Ratio Lower Upper

62 100

64 30.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

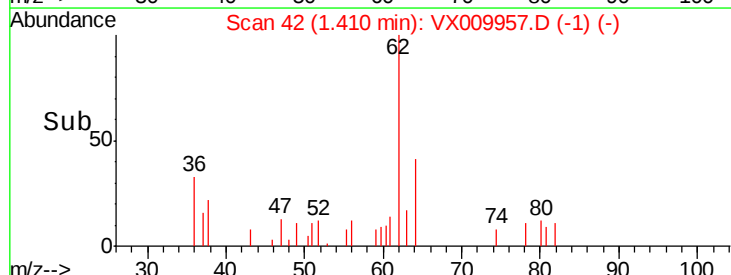
600

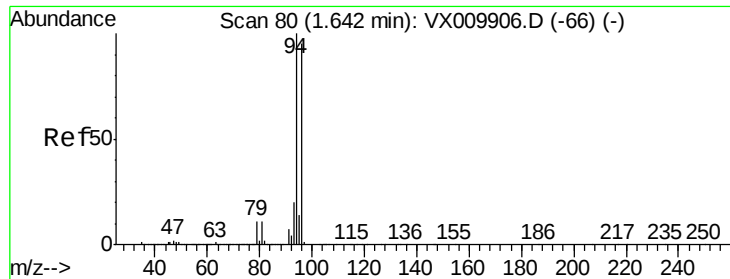
400

200

0

Time--> 1.35 1.40 1.45





#5

Bromomethane

Concen: 0.202 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

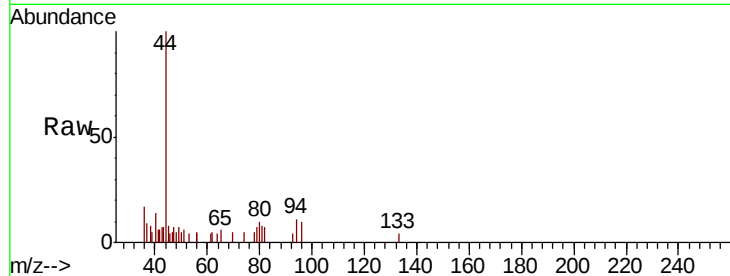
S32-TB-2019-5

Tot Ion: 94 Resp: 311

Ion Ratio Lower Upper

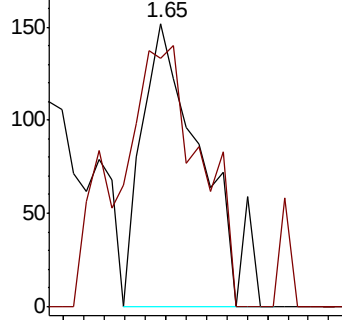
94 100

96 87.5 76.2 114.4

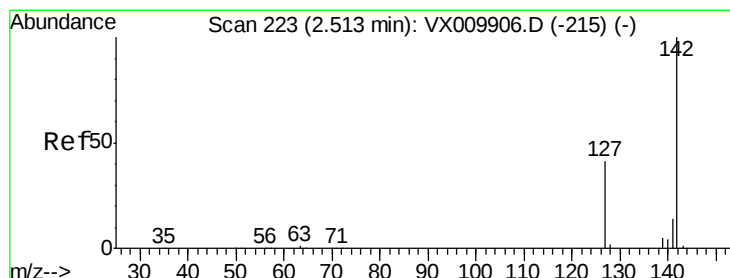
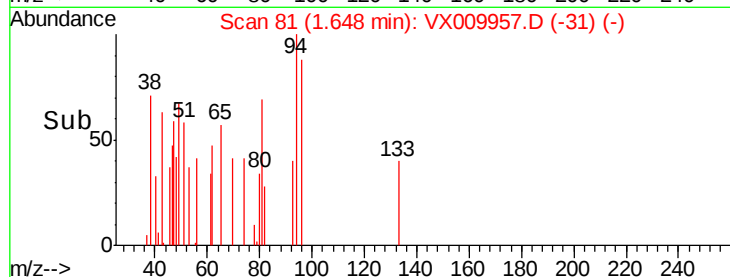


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.823 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

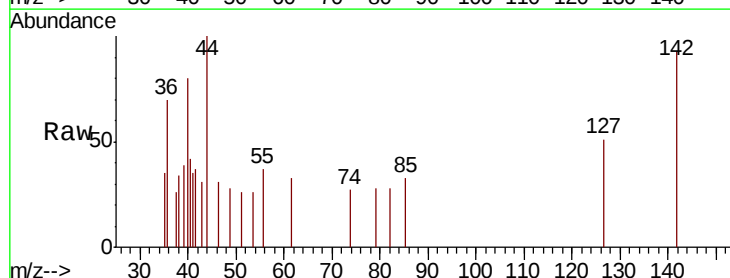
Tgt Ion: 142 Resp: 386

Ion Ratio Lower Upper

142 100

127 32.1 33.0 49.4#

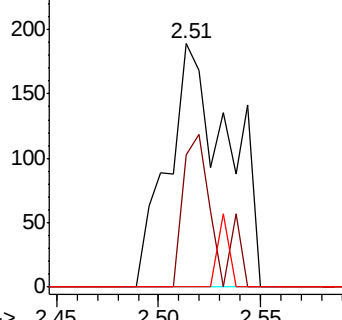
141 5.4 11.4 17.0#



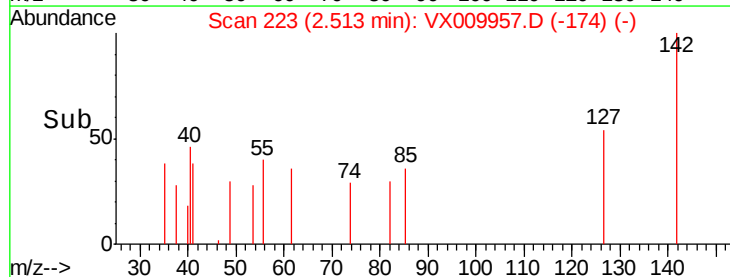
Abundance Ion 141.80 (141.50 to 142.50): V

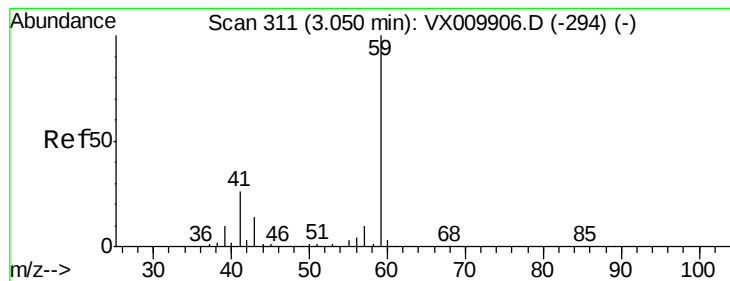
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



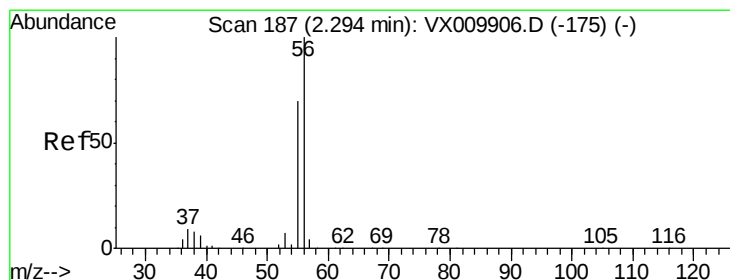
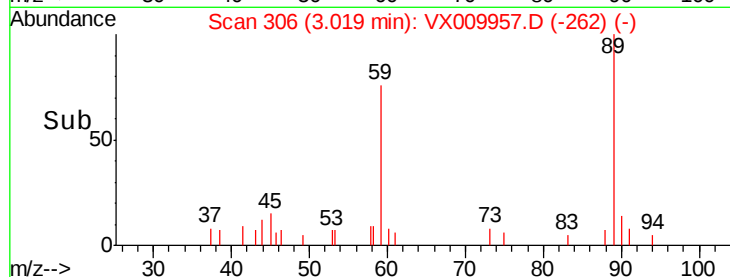
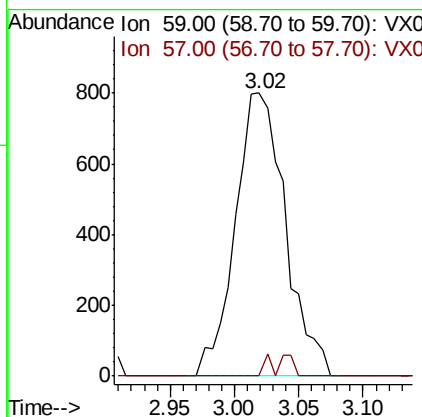
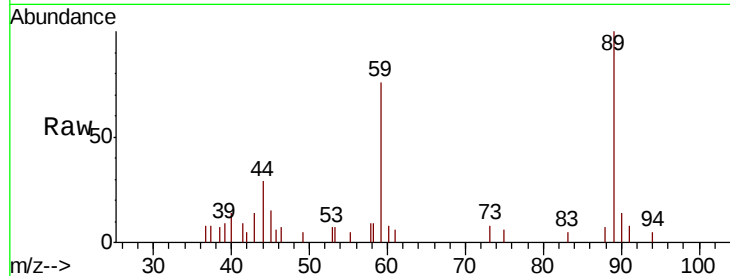


#11

Tert butyl alcohol
 Concen: 3.624 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX009957.D
 Acq: 30 May 2019 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-5

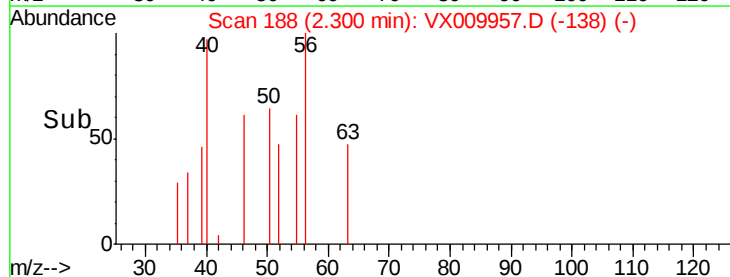
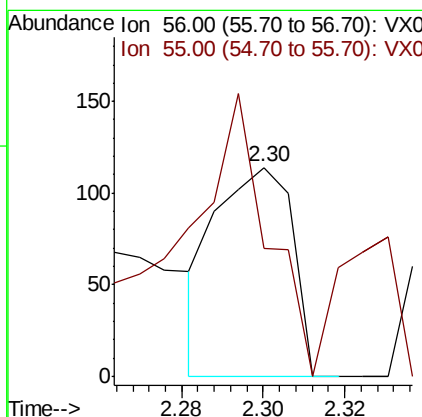
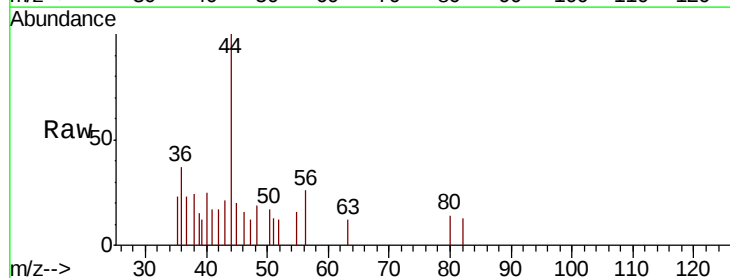
Tot Ion: 59 Resp: 2163
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.2 12.2#

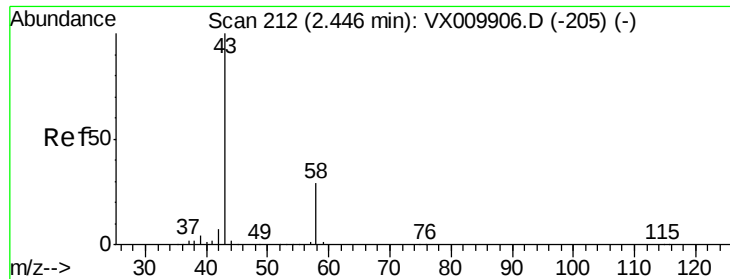


#13

Acrolein
 Concen: 21.419 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009957.D
 Acq: 30 May 2019 13:54

Tgt Ion: 56 Resp: 149
 Ion Ratio Lower Upper
 56 100
 55 130.9 57.0 85.4#





#16

Acetone

Concen: 0.885 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

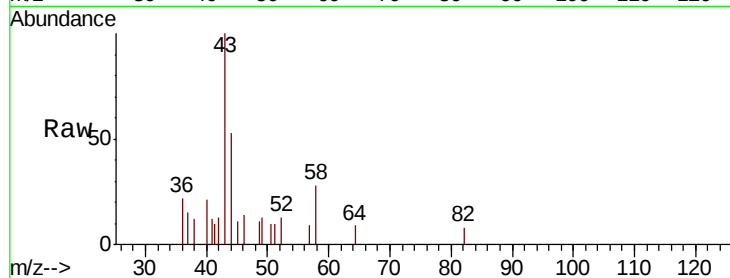
S32-TB-2019-5

Tot Ion: 43 Resp: 1240

Ion Ratio Lower Upper

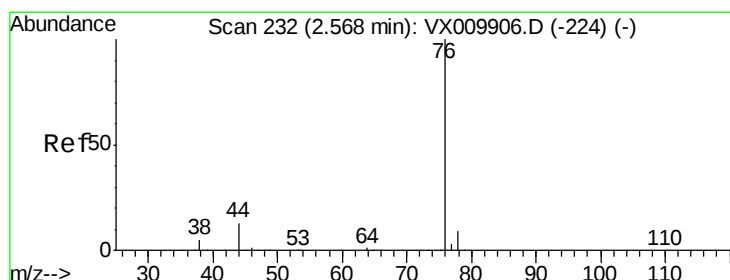
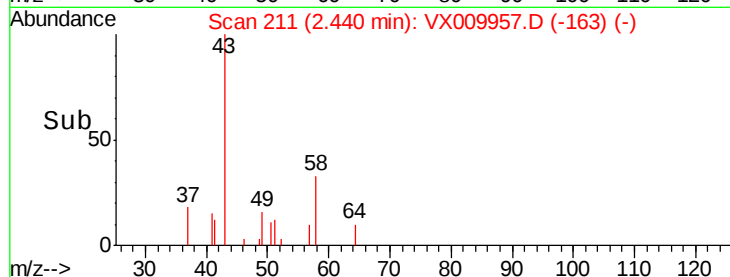
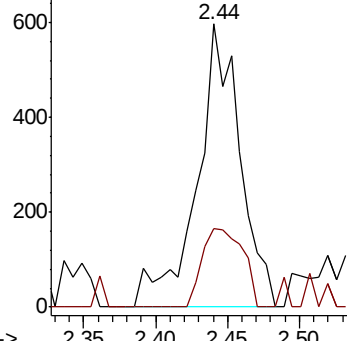
43 100

58 27.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.617 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009957.D

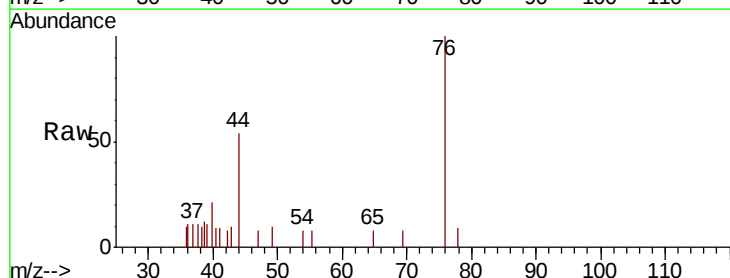
Acq: 30 May 2019 13:54

Tgt Ion: 76 Resp: 1231

Ion Ratio Lower Upper

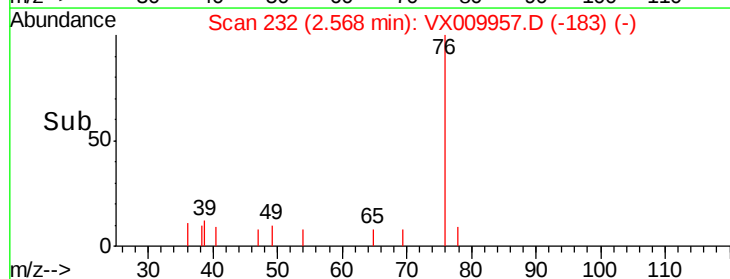
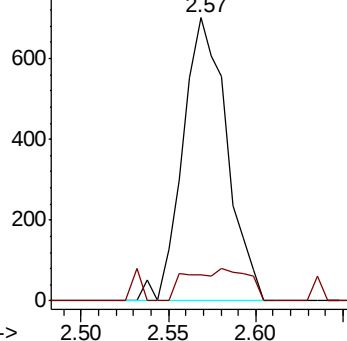
76 100

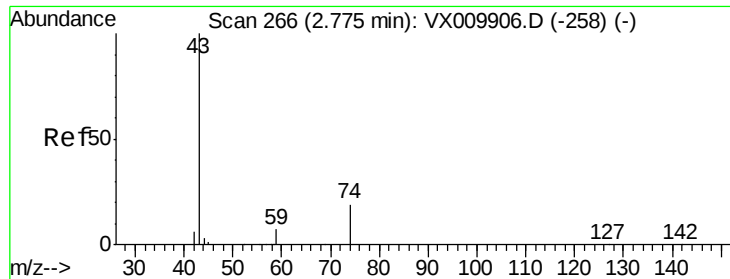
78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

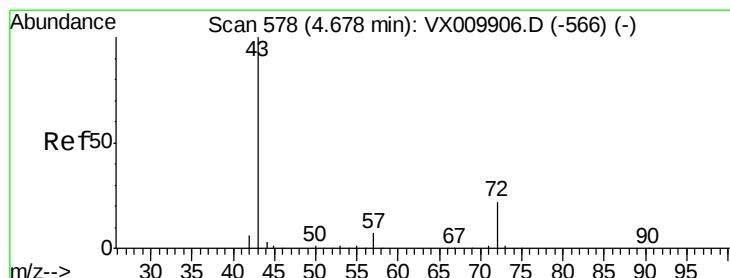
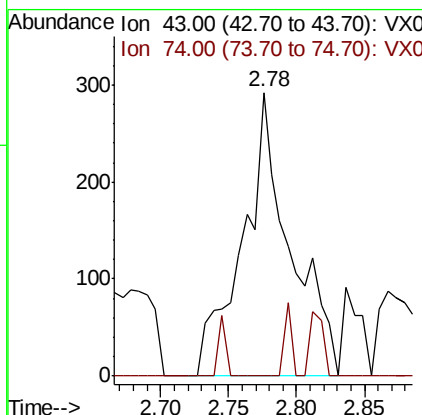
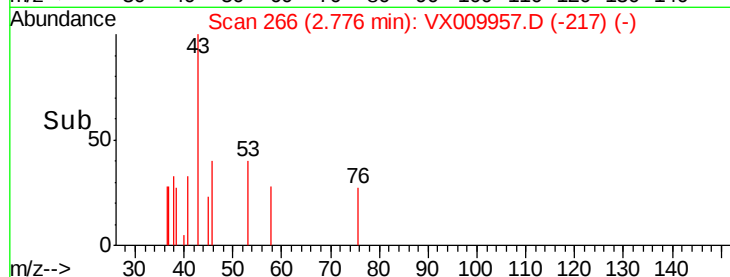
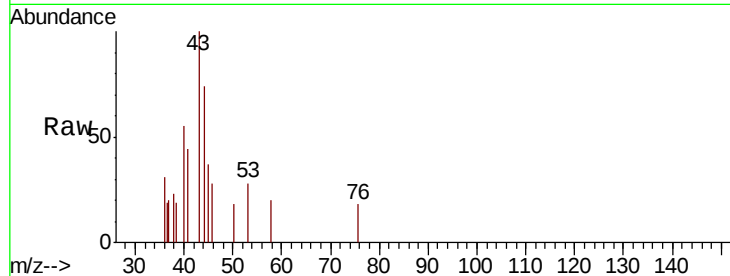




#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009957.D
Acq: 30 May 2019 13:54

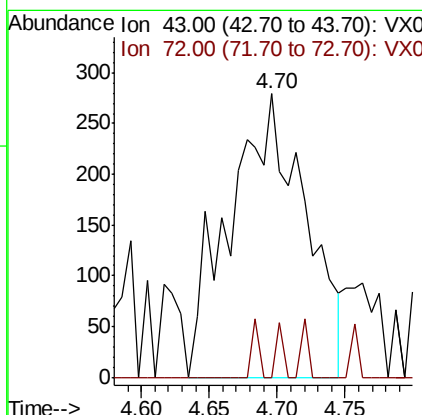
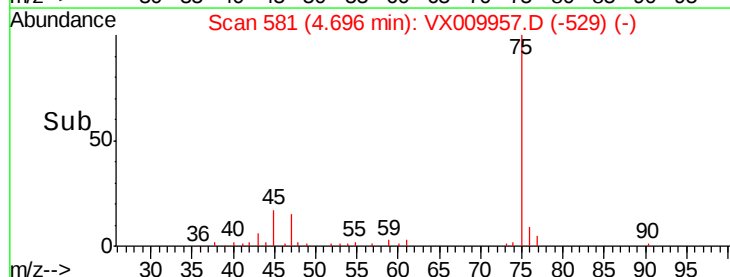
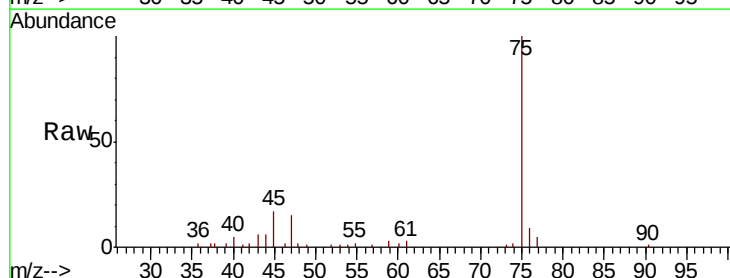
Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-5

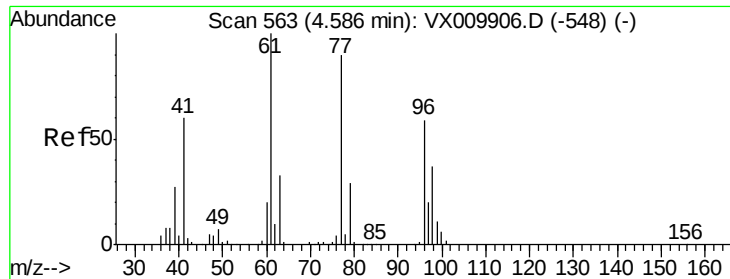
Tot Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
74 3.9 15.8 23.6#



#25
2-Butanone
Concen: 0.496 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009957.D
Acq: 30 May 2019 13:54

Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
72 0.0 17.5 26.3#





#26

2,2-Dichloropropane

Concen: 0.277 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.11 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

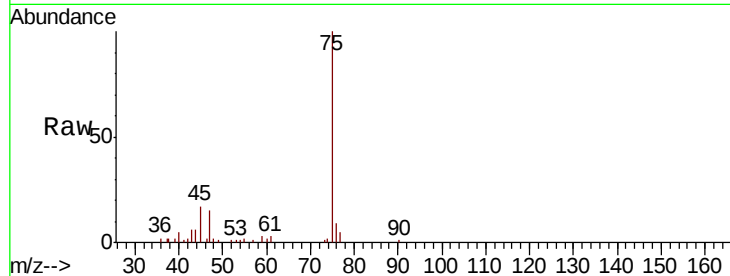
S32-TB-2019-5

Tot Ion: 77 Resp: 818

Ion Ratio Lower Upper

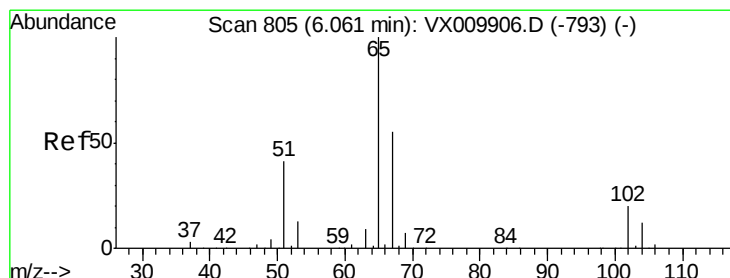
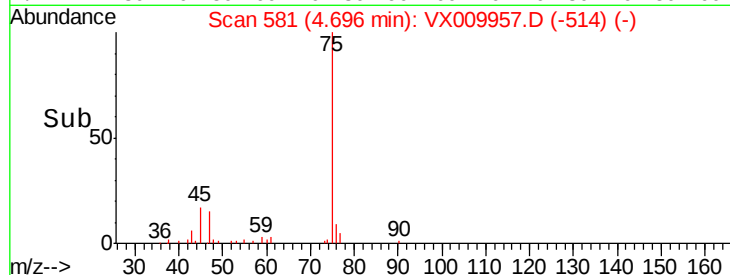
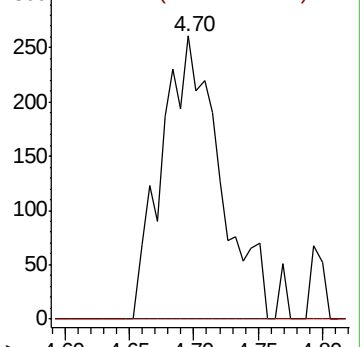
77 100

97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.702 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009957.D

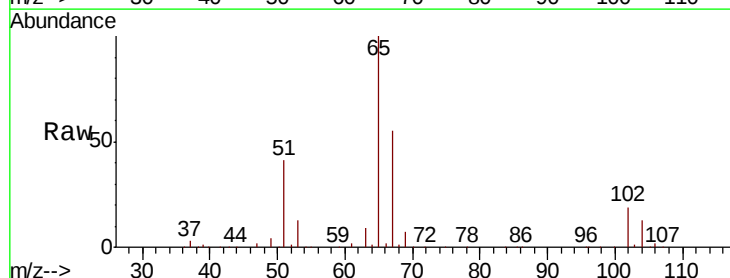
Acq: 30 May 2019 13:54

Tgt Ion: 65 Resp: 118129

Ion Ratio Lower Upper

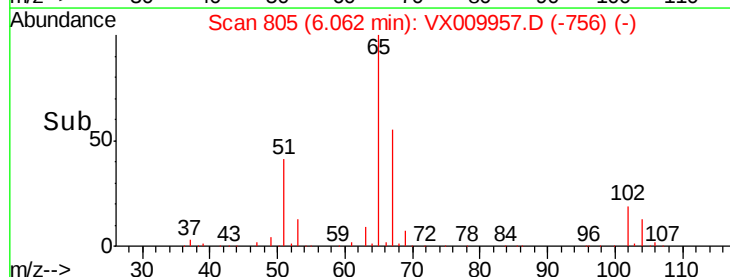
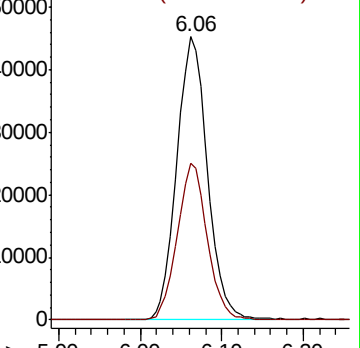
65 100

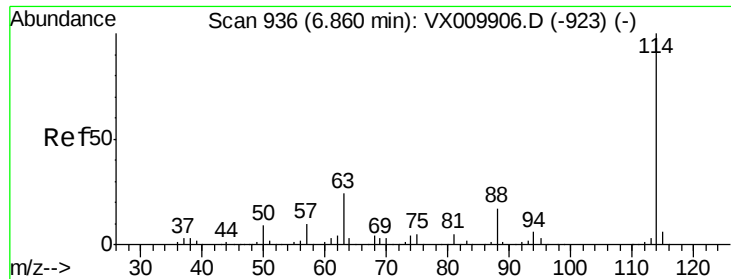
67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

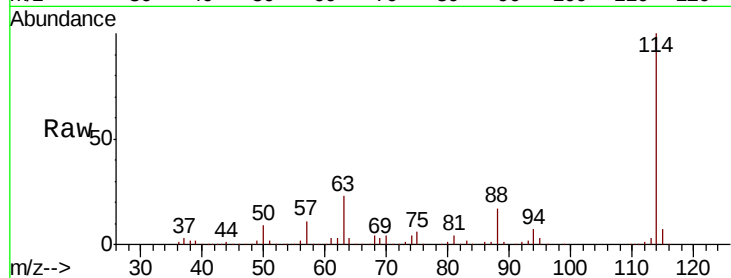




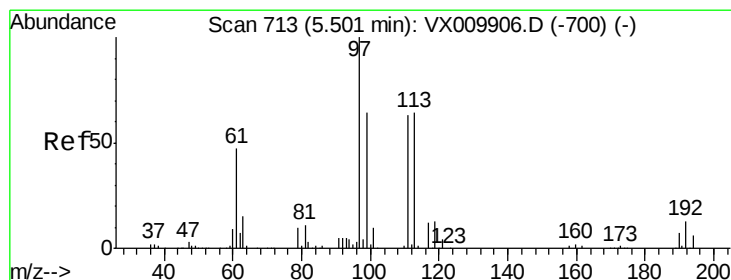
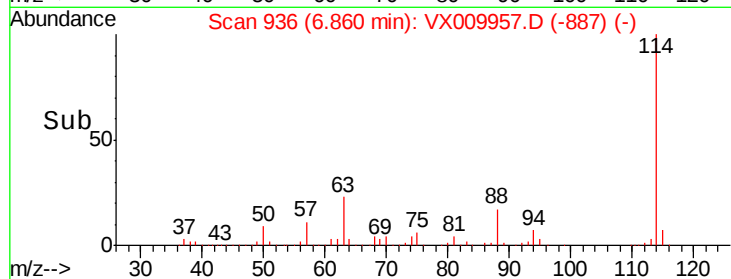
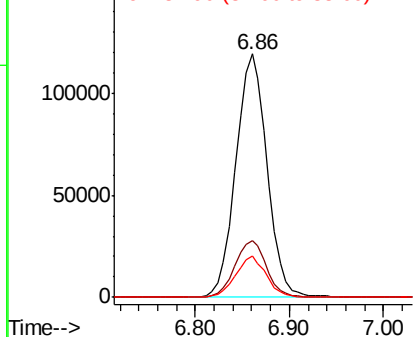
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009957.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-5

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	47.4
88	17.2	0.0	33.0

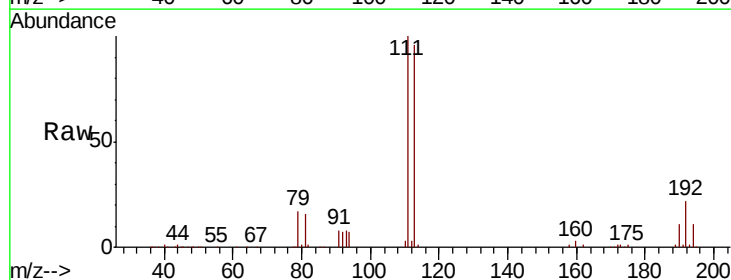


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

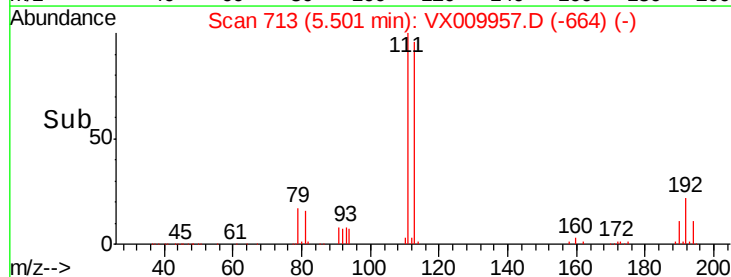
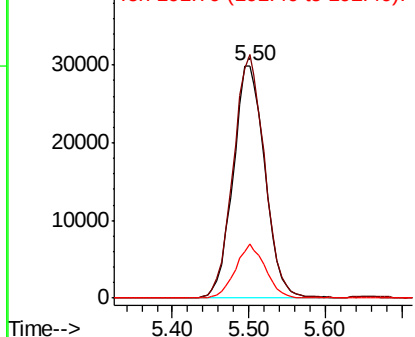


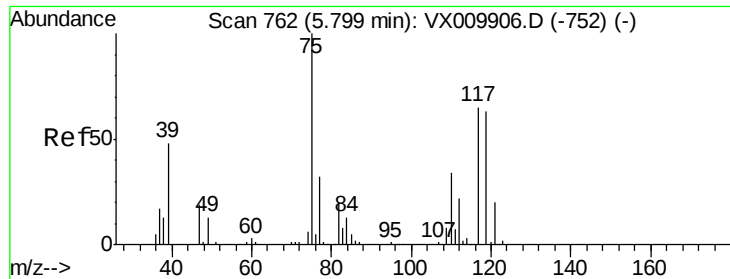
#35
Dibromofluoromethane
Concen: 49.775 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX009957.D
Acq: 30 May 2019 13:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.2
192	21.9	17.1	25.7



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: 5.141 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-5

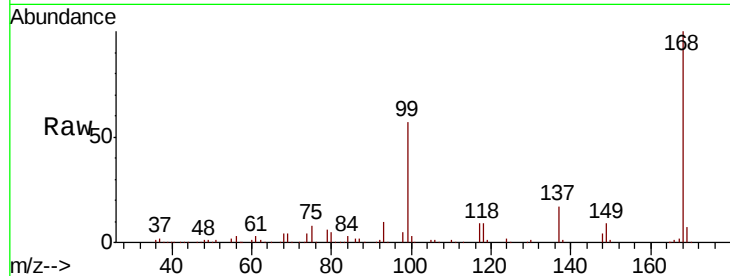
Tot Ion: 75 Resp: 14362

Ion Ratio Lower Upper

75 100

110 7.6 16.7 50.1#

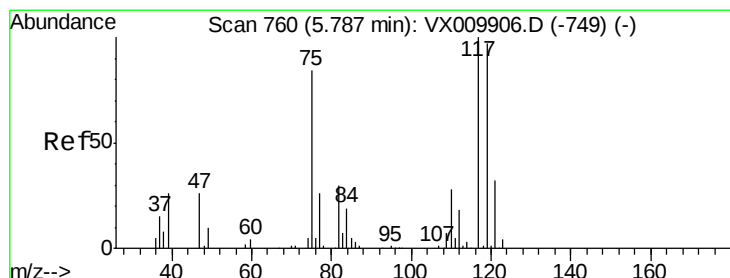
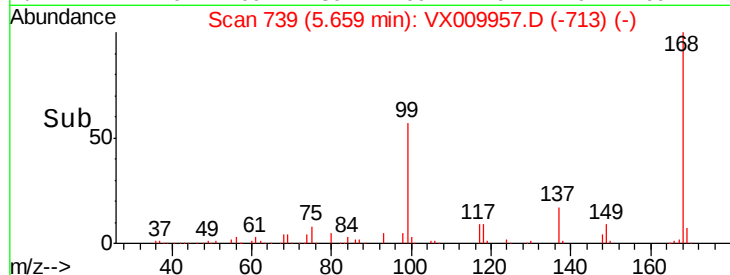
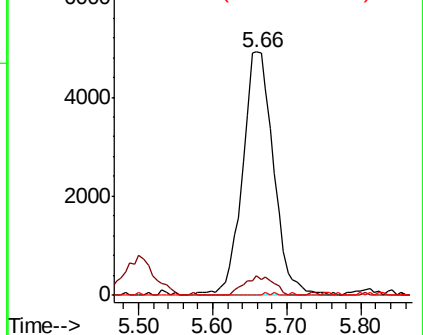
77 0.0 25.0 37.4#



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: 6.693 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

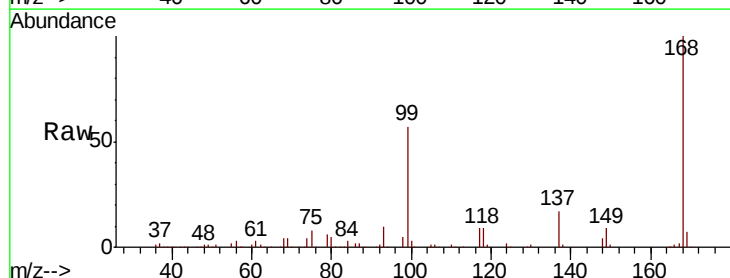
Tgt Ion:117 Resp: 16159

Ion Ratio Lower Upper

117 100

119 6.4 77.3 115.9#

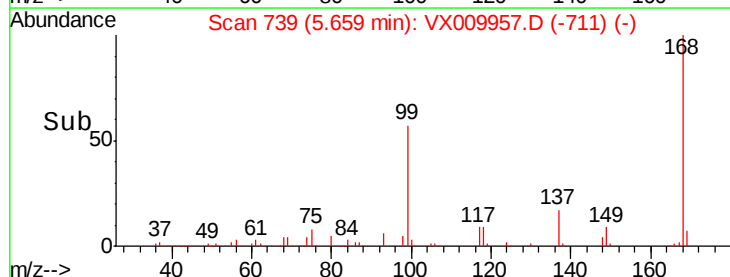
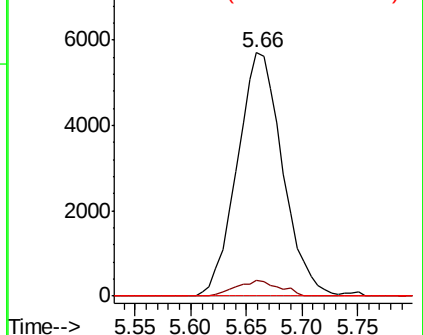
121 0.0 25.4 38.0#

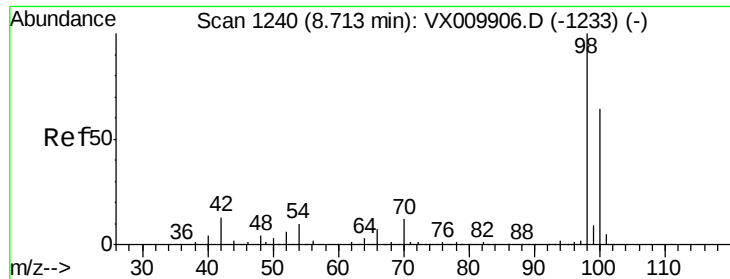


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.218 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

Instrument :

MSVOA_X

ClientSampleId :

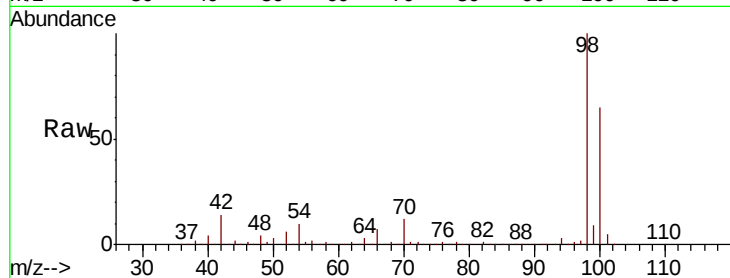
S32-TB-2019-5

Tot Ion: 98 Resp: 353027

Ion Ratio Lower Upper

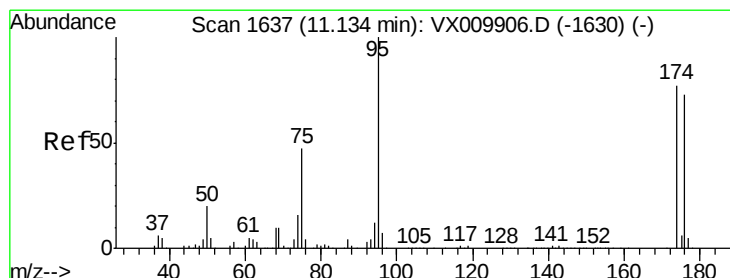
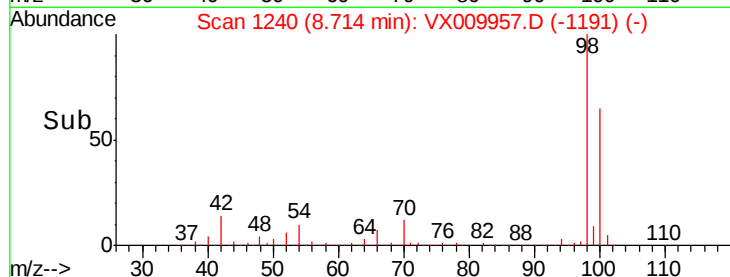
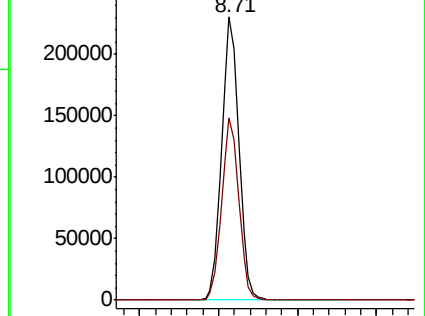
98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.103 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009957.D

Acq: 30 May 2019 13:54

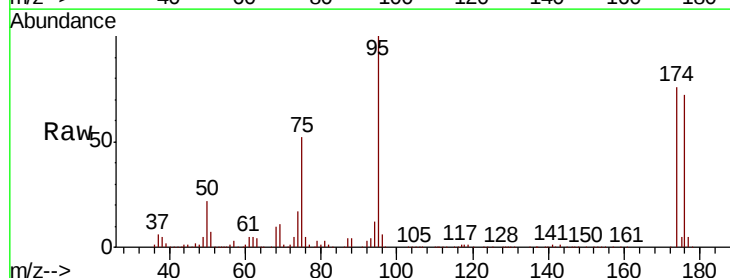
Tgt Ion: 95 Resp: 118935

Ion Ratio Lower Upper

95 100

174 80.7 0.0 160.4

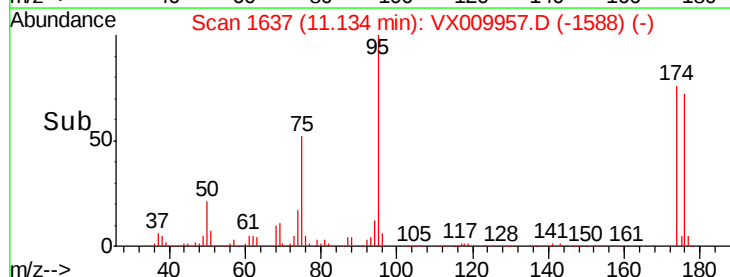
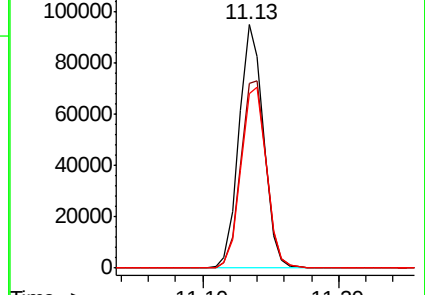
176 77.4 0.0 154.6

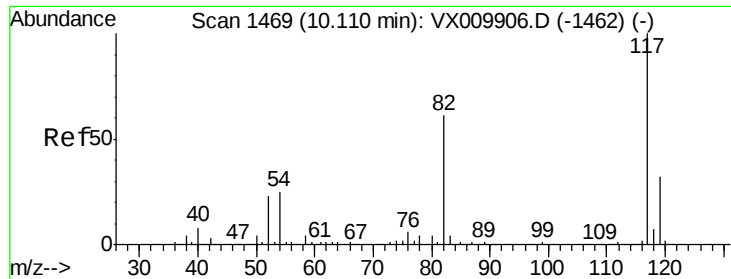


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

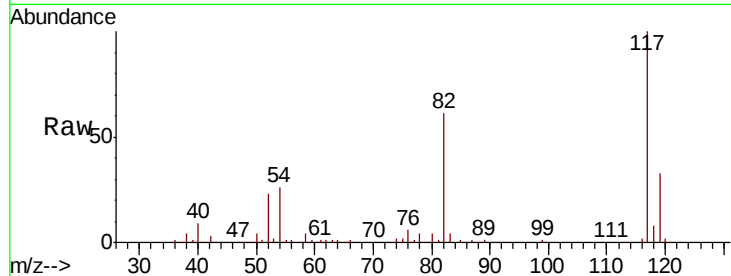




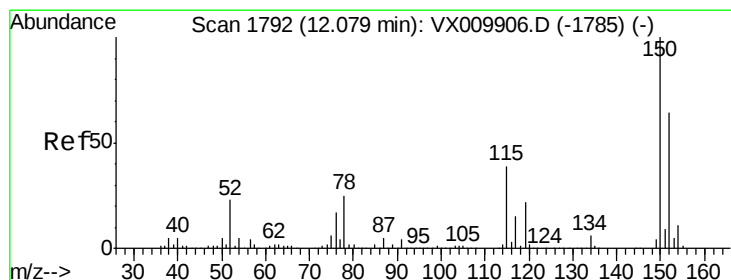
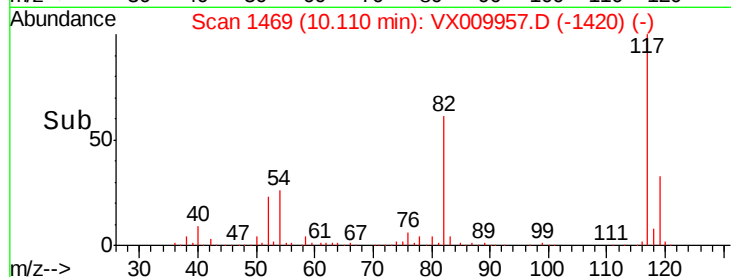
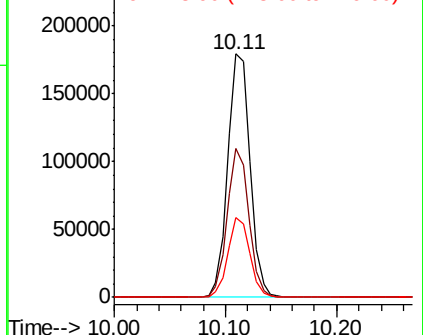
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009957.D
Acq: 30 May 2019 13:54

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.2	73.8
119	32.9	25.2	37.8

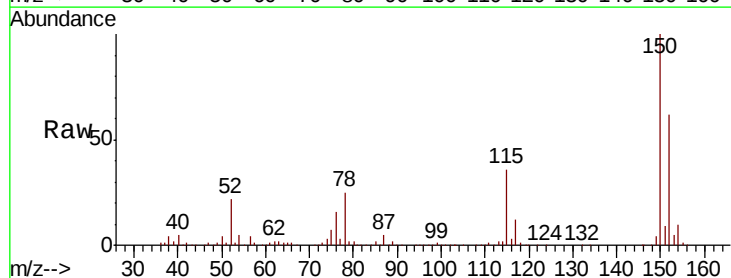


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

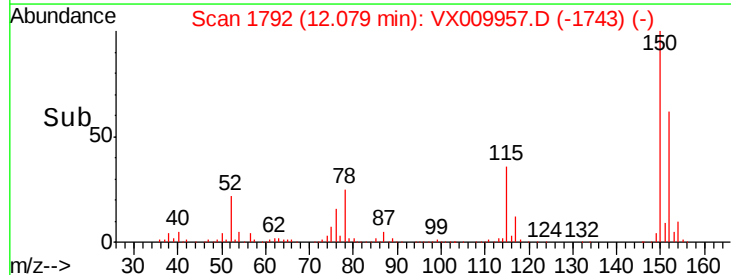
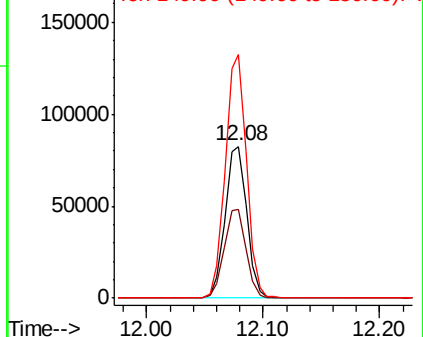


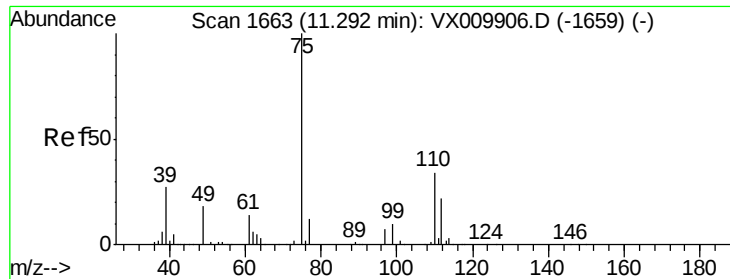
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009957.D
Acq: 30 May 2019 13:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	41.4	124.2
150	157.8	0.0	345.2



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

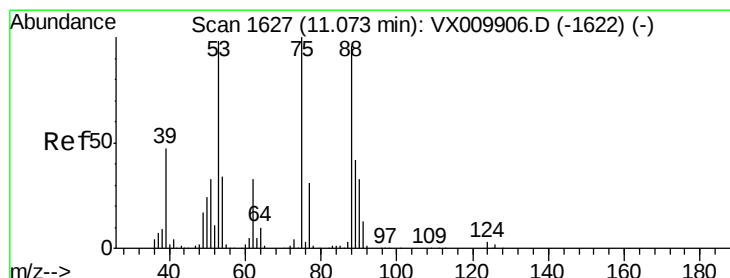
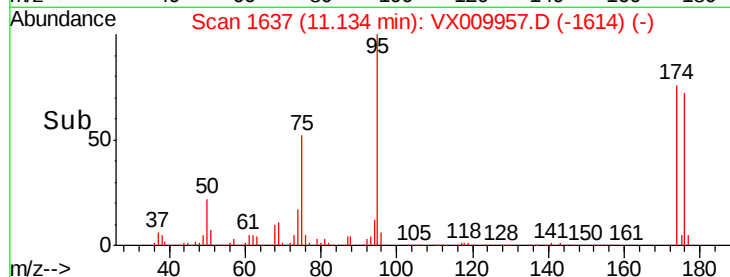
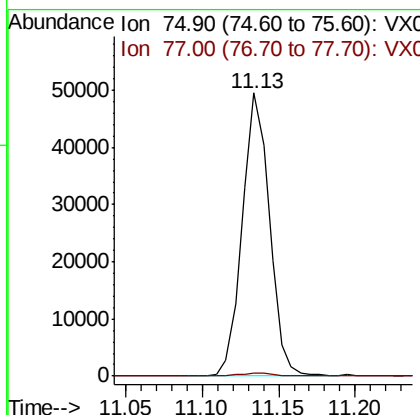
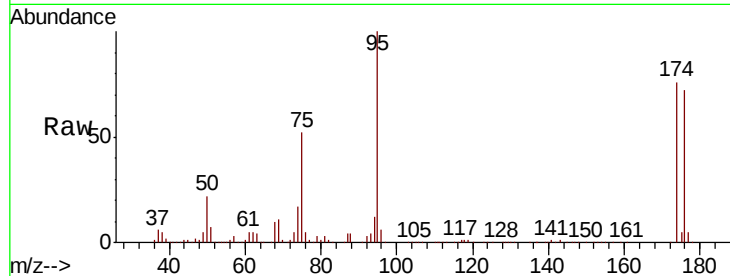




#76
 1,2,3-Trichloropropane
 Concen: 24.140 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009957.D
 Acq: 30 May 2019 13:54

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-5

Tot Ion: 75 Resp: 61172
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.726 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009957.D
 Acq: 30 May 2019 13:54

Tgt Ion: 75 Resp: 61172
 Ion Ratio Lower Upper
 75 100
 53 0.3 79.8 119.6#
 89 0.0 34.2 51.4#

