

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008899.D
 Acq On : 12 Apr 2019 20:11
 Operator : JC/SP
 Sample : K2367-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB-2019-3

Quant Time: Apr 13 05:02:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	189348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	261505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107993	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	124496	45.08	ug/l	0.00
Spiked Amount			Recovery	=	90.16%	
35) Dibromofluoromethane	5.50	113	91069	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	8.71	98	377143	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.13	95	123626	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	

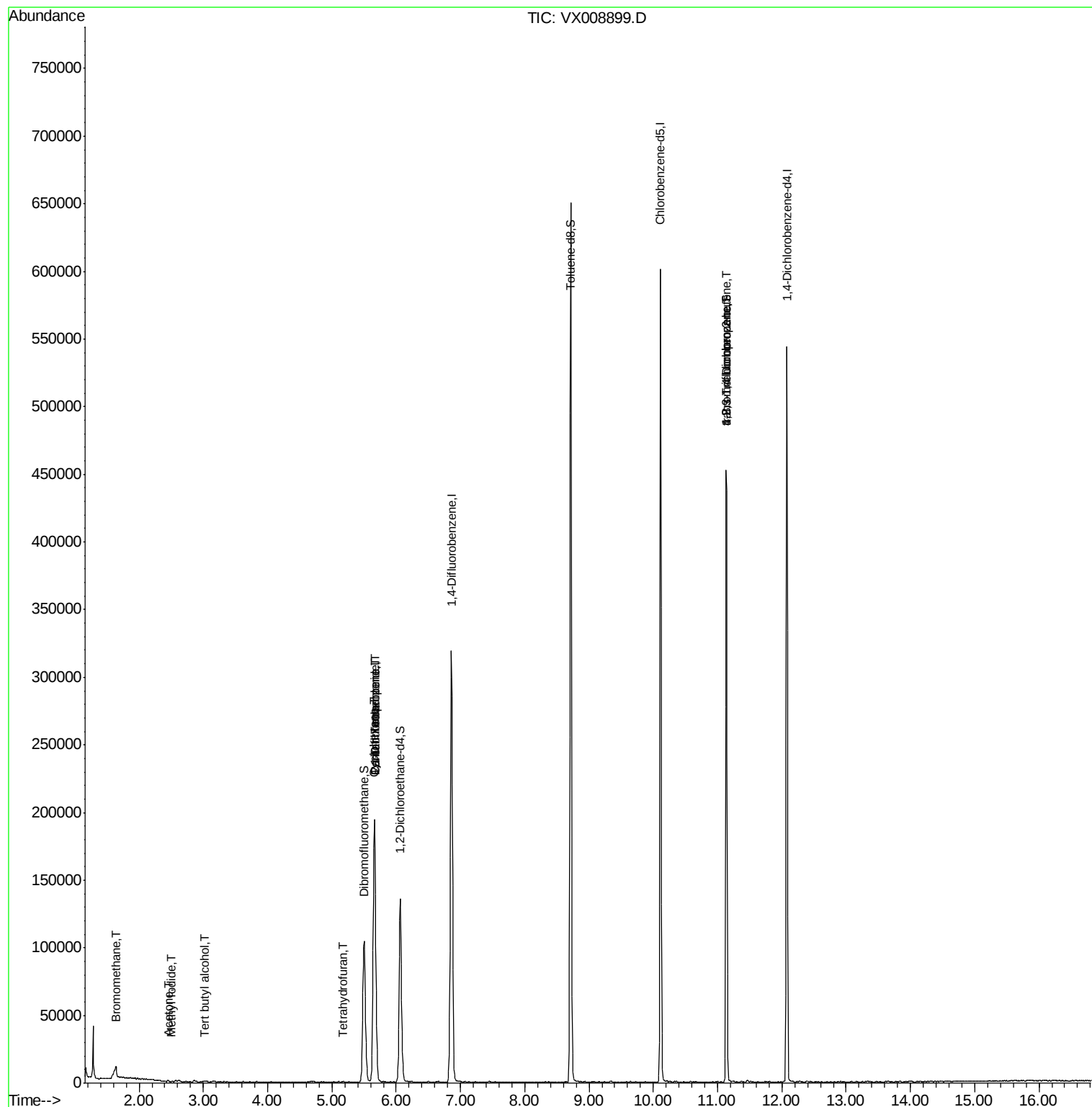
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	344	Below Cal	#	79
5) Bromomethane	1.64	94	799	2.415	ug/l	87
6) Chloroethane	1.65	64	153	Below Cal	#	43
10) Methyl Iodide	2.51	142	247	4.122	ug/l #	86
11) Tert butyl alcohol	3.01	59	500	0.773	ug/l #	72
16) Acetone	2.45	43	791	0.497	ug/l #	70
17) Carbon Disulfide	2.57	76	1204	Below Cal		99
28) Bromochloromethane	5.03	49	51	Below Cal	#	22
29) Tetrahydrofuran	5.17	42	528	0.316	ug/l #	41
31) Cyclohexane	5.65	56	4311	0.903	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15033	4.484	ug/l #	50
38) Carbon Tetrachloride	5.67	117	17840	6.429	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	63394	21.369	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63394	58.904	ug/l #	9

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041219\
Data File : VX008899.D
Acq On : 12 Apr 2019 20:11
Operator : JC/SP
Sample : K2367-10
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
S8-TB-2019-3

Quant Time: Apr 13 05:02:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

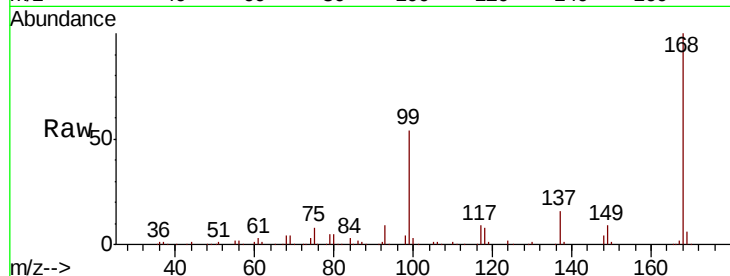
S8-TB-2019-3

Tot Ion:168 Resp: 189348

Ion Ratio Lower Upper

168 100

99 54.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

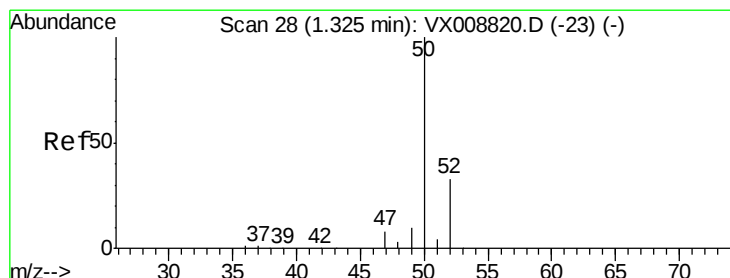
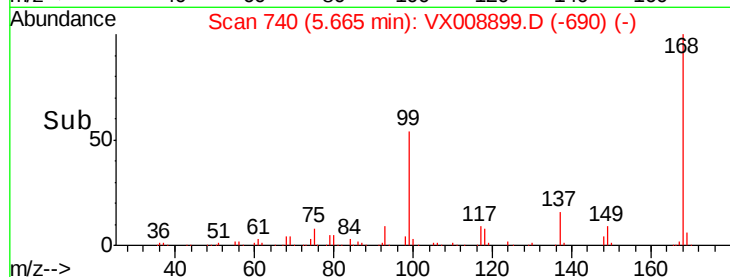
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008899.D

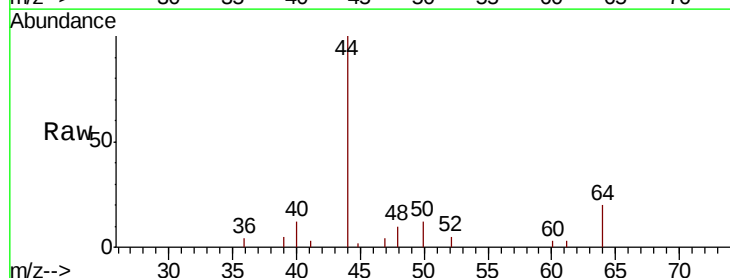
Acq: 12 Apr 2019 20:11

Tgt Ion: 50 Resp: 344

Ion Ratio Lower Upper

50 100

52 44.3 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

250

200

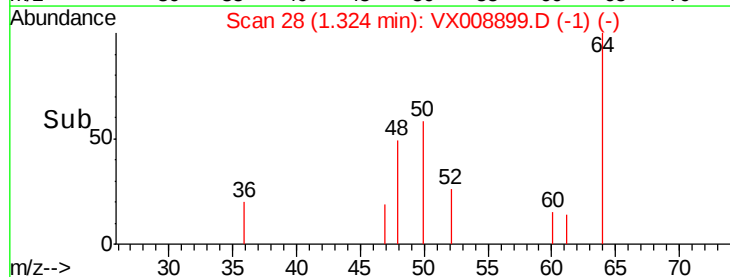
150

100

50

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 2.415 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

Instrument :

MSVOA_X

ClientSampled :

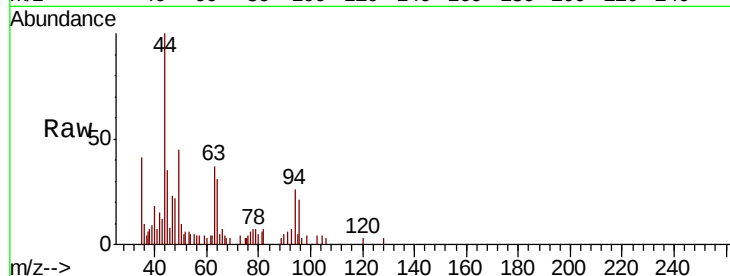
S8-TB-2019-3

Tot Ion: 94 Resp: 799

Ion Ratio Lower Upper

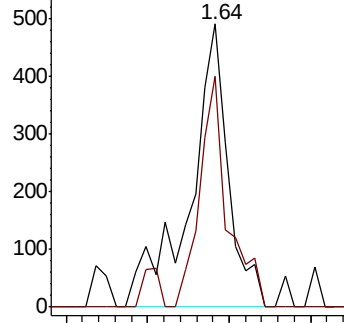
94 100

96 81.5 75.2 112.8

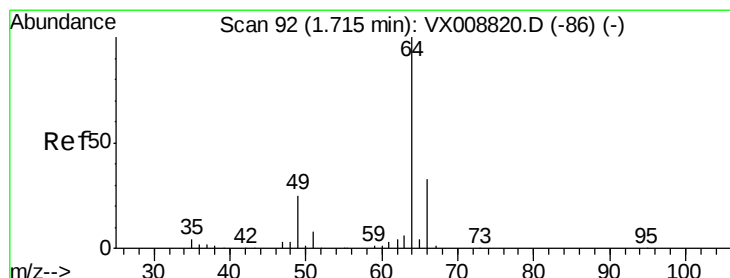
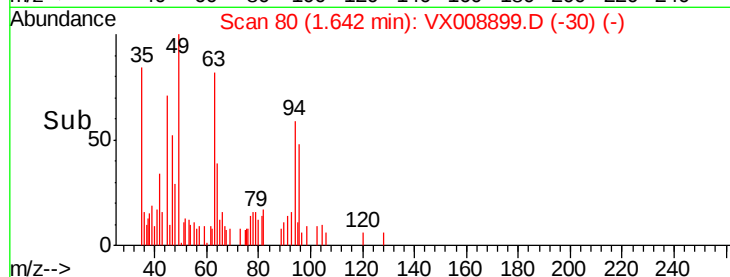


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX008899.D

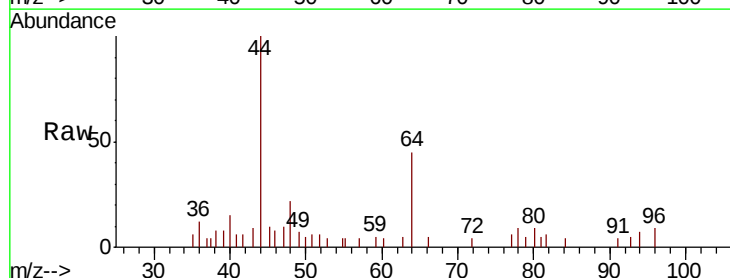
Acq: 12 Apr 2019 20:11

Tgt Ion: 64 Resp: 153

Ion Ratio Lower Upper

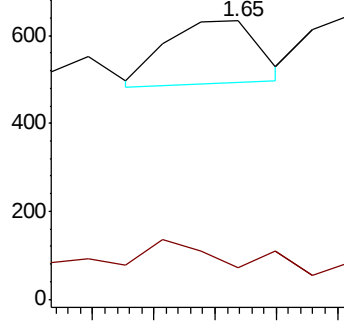
64 100

66 0.0 25.4 38.0#

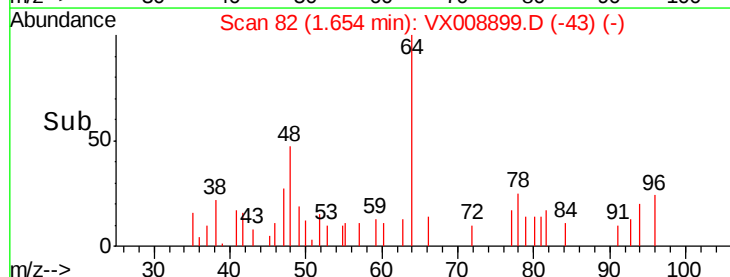


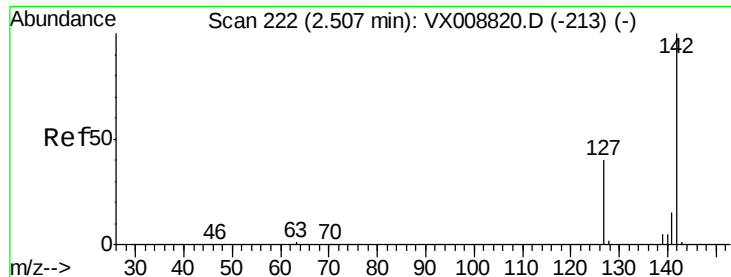
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

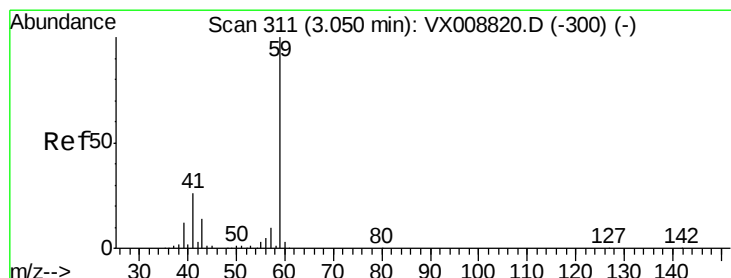
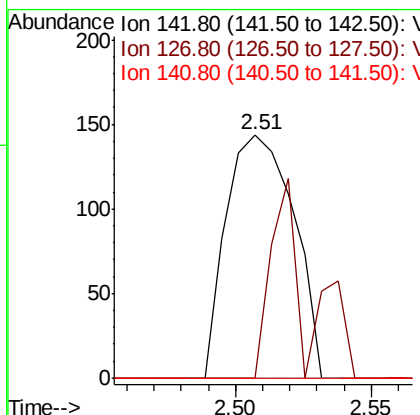
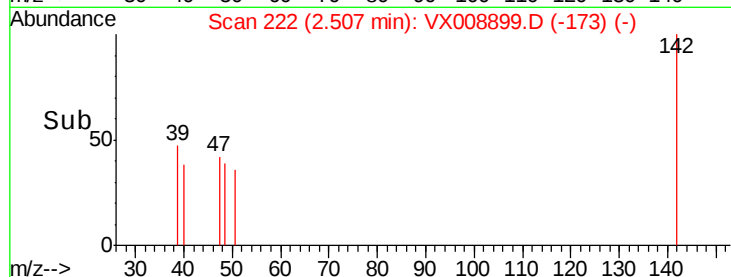
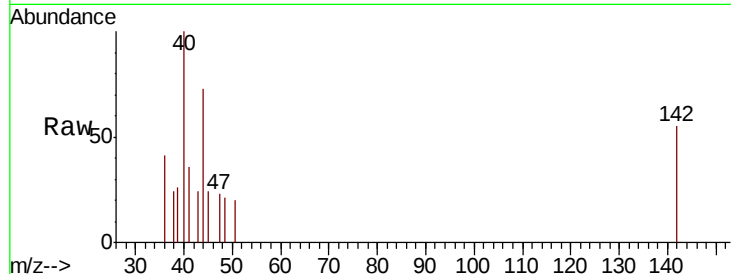




#10
Methvl Iodide
Concen: 4.122 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008899.D
Acq: 12 Apr 2019 20:11

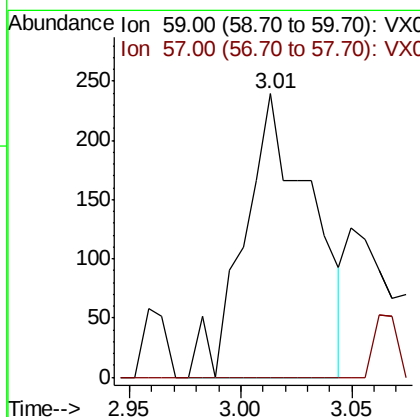
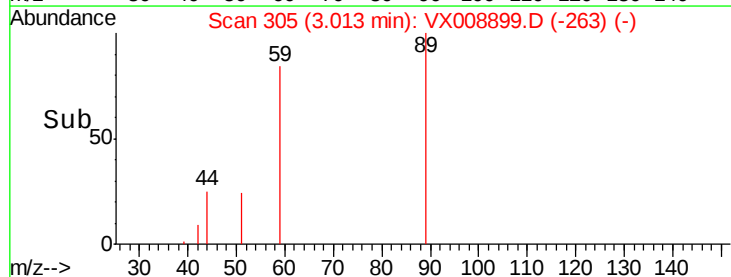
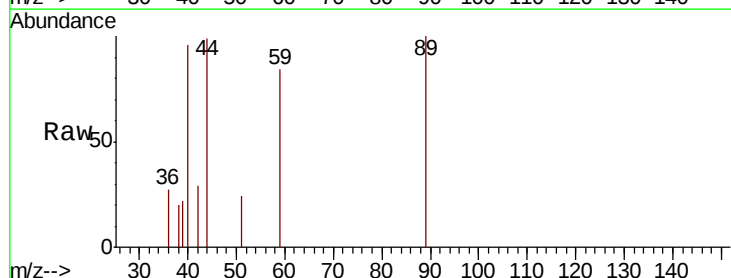
Instrument :
MSVOA_X
ClientSampleId :
S8-TB-2019-3

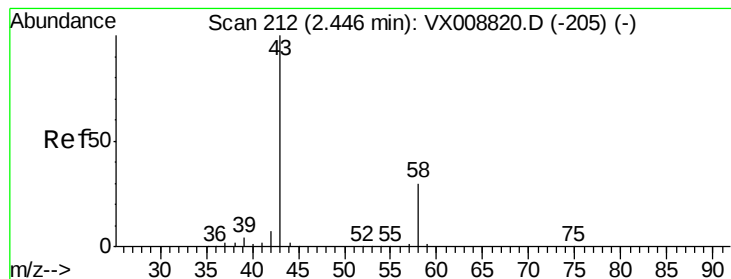
Tot Ion:142 Resp: 247
Ion Ratio Lower Upper
142 100
127 45.3 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.773 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008899.D
Acq: 12 Apr 2019 20:11

Tgt Ion: 59 Resp: 500
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.497 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

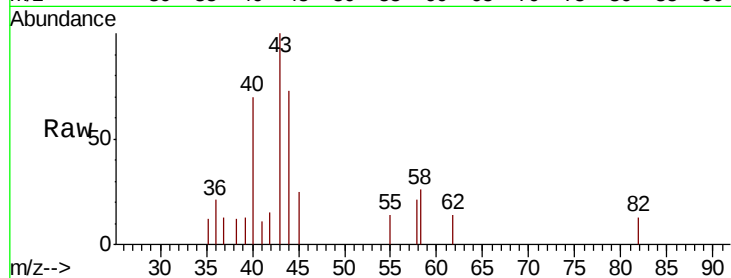
S8-TB-2019-3

Tot Ion: 43 Resp: 791

Ion Ratio Lower Upper

43 100

58 47.5 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

400

300

200

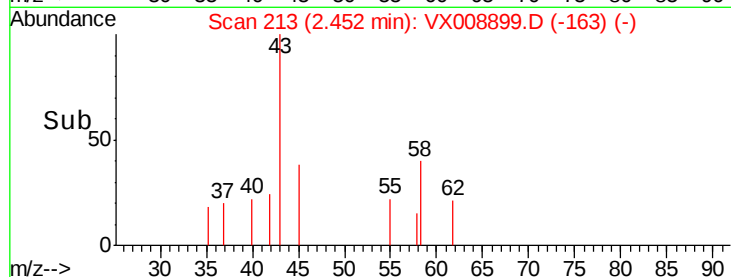
100

0

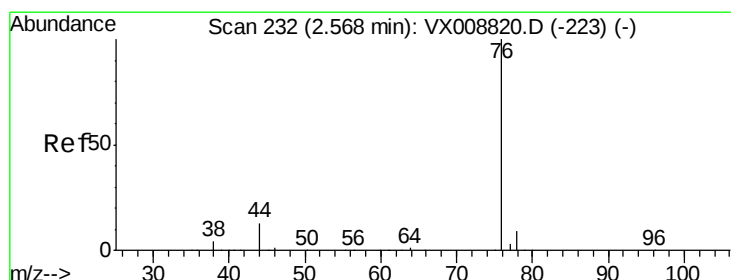
2.40

2.45

2.50



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008899.D

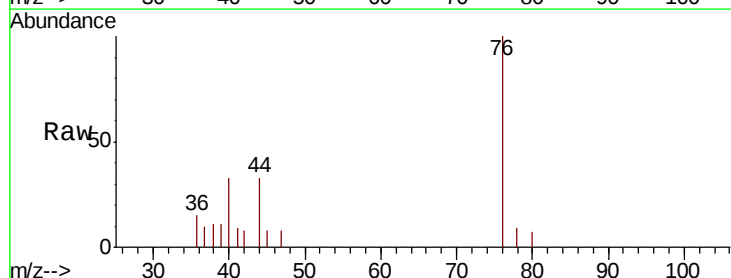
Acq: 12 Apr 2019 20:11

Tgt Ion: 76 Resp: 1204

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

800

600

400

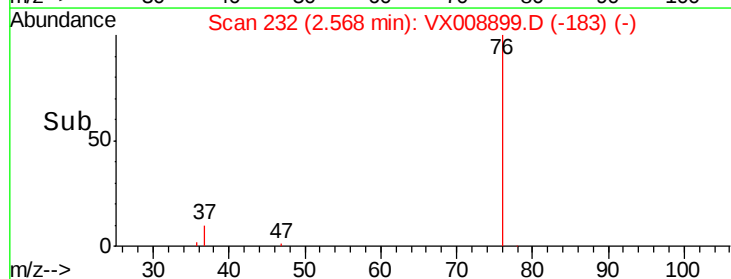
200

0

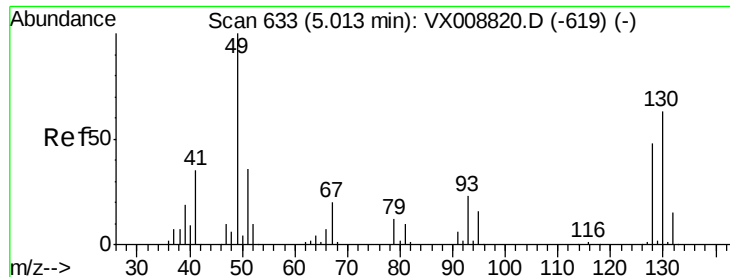
2.50

2.55

2.60



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

S8-TB-2019-3

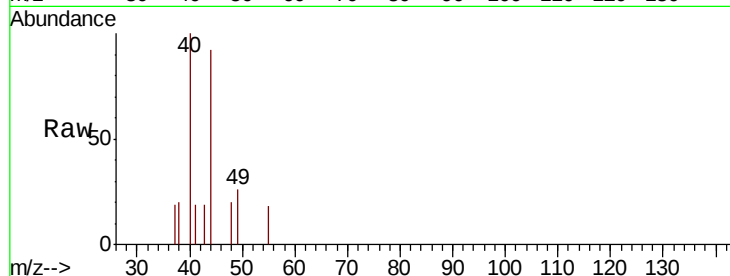
Tot Ion: 49 Resp: 51

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#

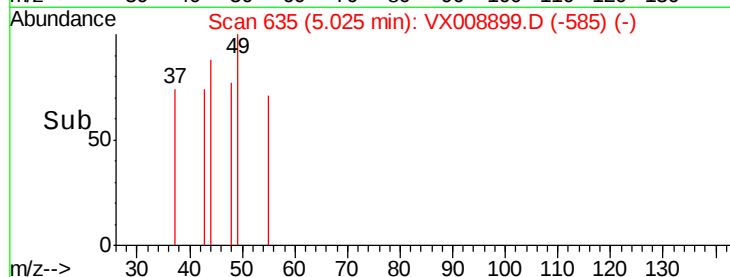


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

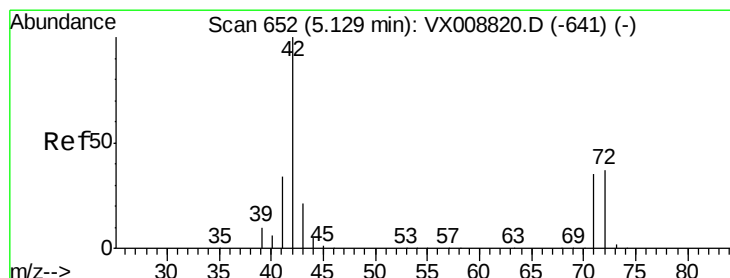
Ion 129.80 (129.50 to 130.50): V

Time-->



5.03

Time-->



#29

Tetrahydrofuran

Concen: 0.316 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.04 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

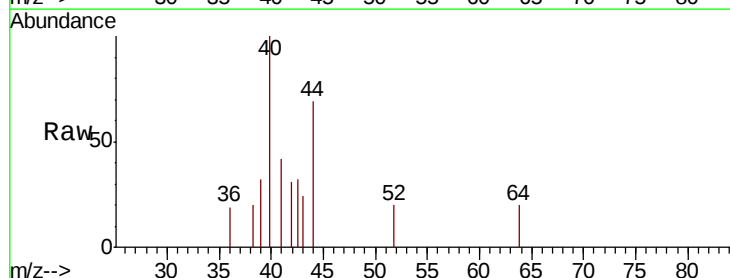
Tgt Ion: 42 Resp: 528

Ion Ratio Lower Upper

42 100

72 0.0 30.5 45.7#

71 3.6 28.6 43.0#

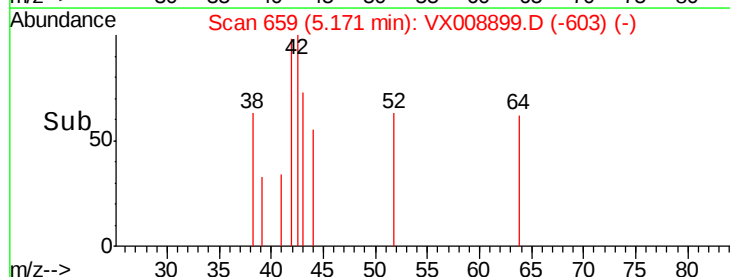


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

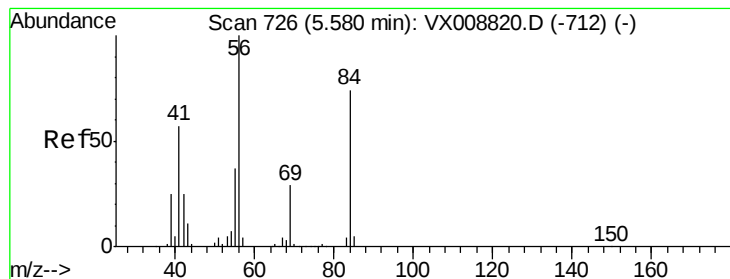
Ion 71.00 (70.70 to 71.70): VX0

Time-->



5.17

Time-->



#31

Cyclohexane

Concen: 0.903 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

S8-TB-2019-3

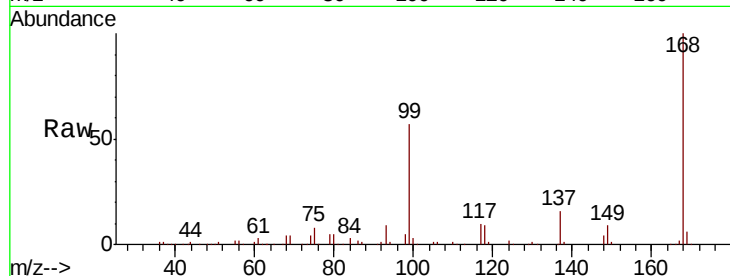
Tot Ion: 56 Resp: 4311

Ion Ratio Lower Upper

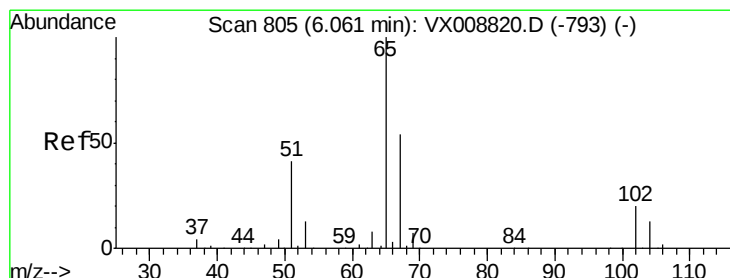
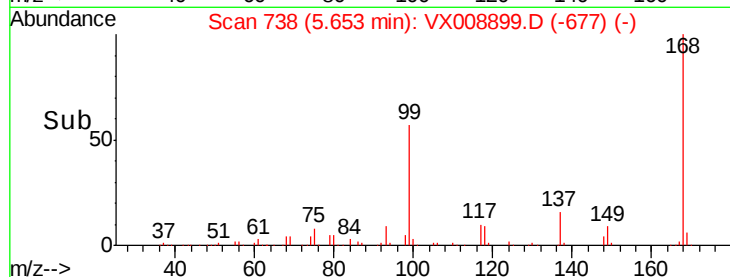
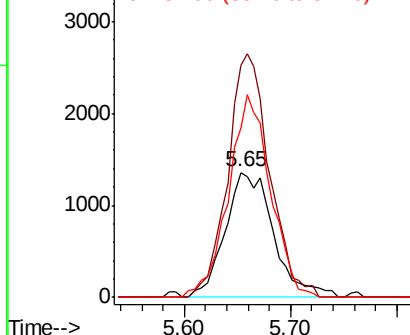
56 100

69 186.2 22.6 33.8#

84 136.0 59.3 88.9#



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: 45.079 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008899.D

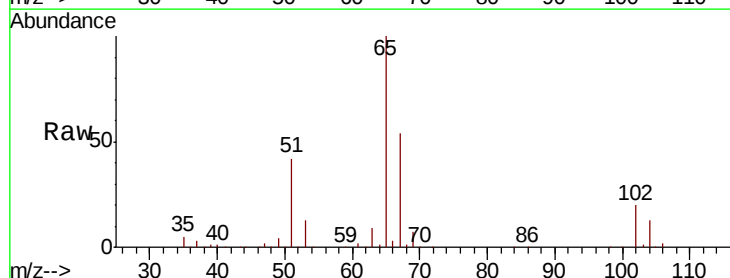
Acq: 12 Apr 2019 20:11

Tgt Ion: 65 Resp: 124496

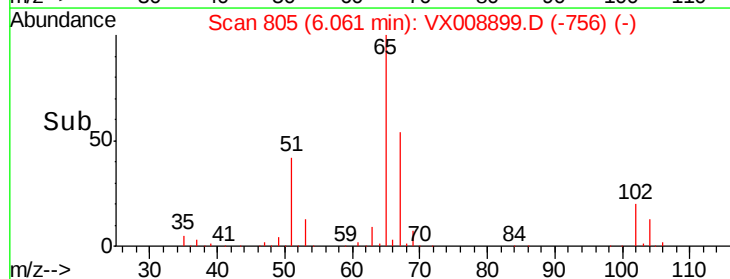
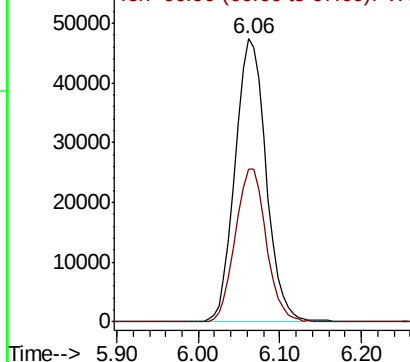
Ion Ratio Lower Upper

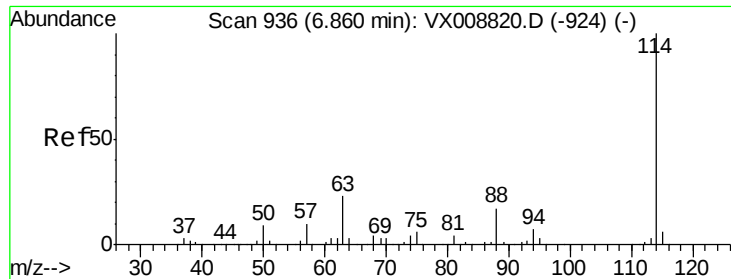
65 100

67 54.3 0.0 107.2



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

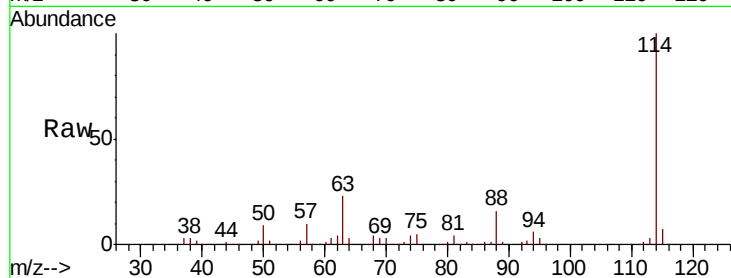




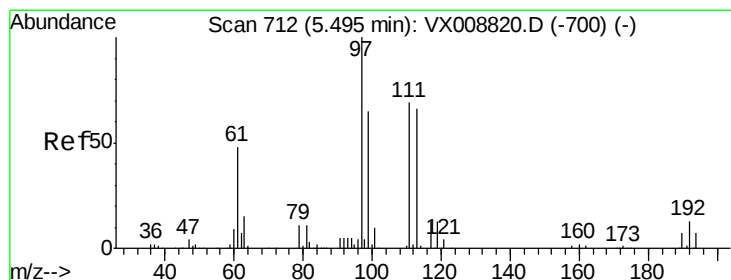
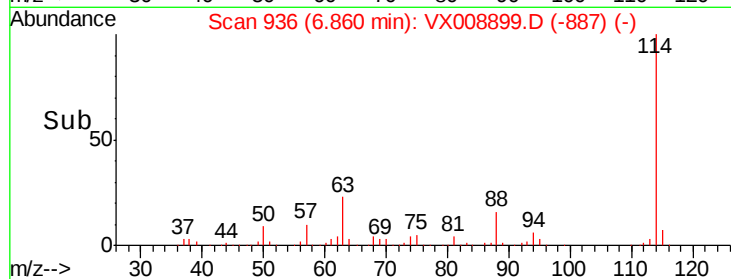
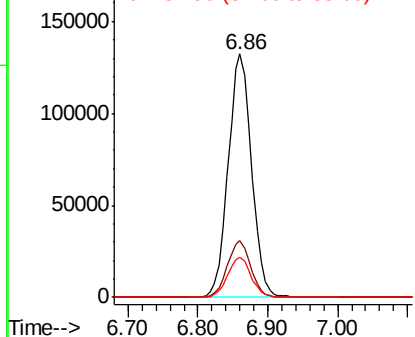
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008899.D
 Acq: 12 Apr 2019 20:11

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-TB-2019-3

Tot Ion:114 Resp: 306710
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.2
 88 16.4 0.0 34.0

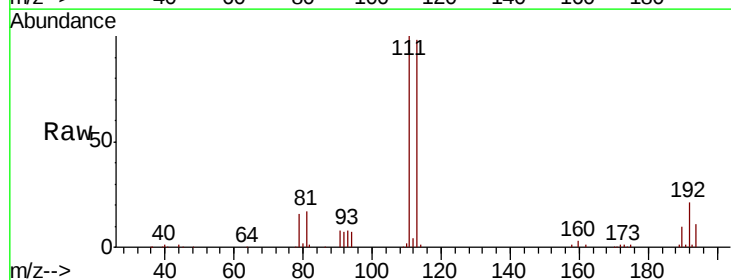


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

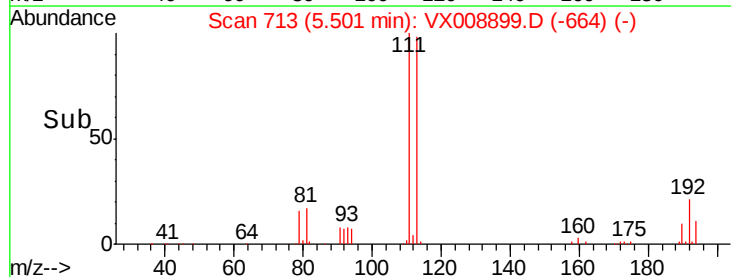
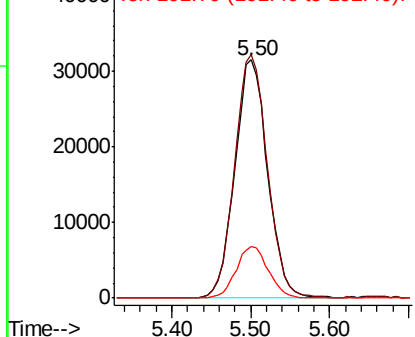


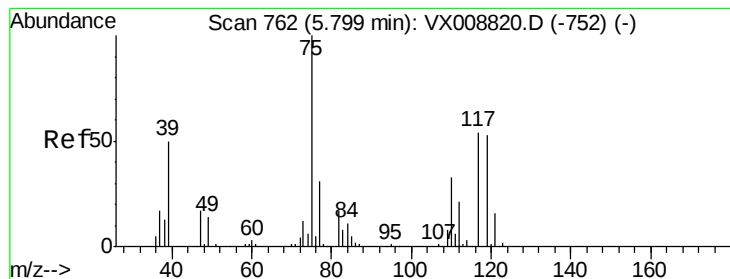
#35
 Dibromofluoromethane
 Concen: 46.440 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008899.D
 Acq: 12 Apr 2019 20:11

Tgt Ion:113 Resp: 91069
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.4 125.2
 192 21.4 16.1 24.1



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: 4.484 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

Instrument :

MSVOA_X

ClientSampleId :

S8-TB-2019-3

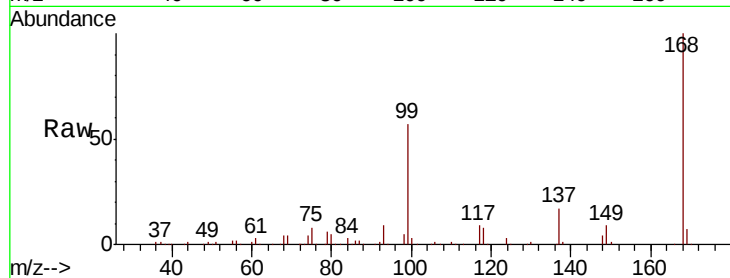
Tot Ion: 75 Resp: 15033

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.2#

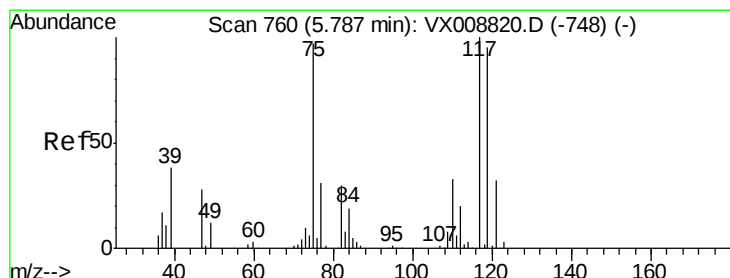
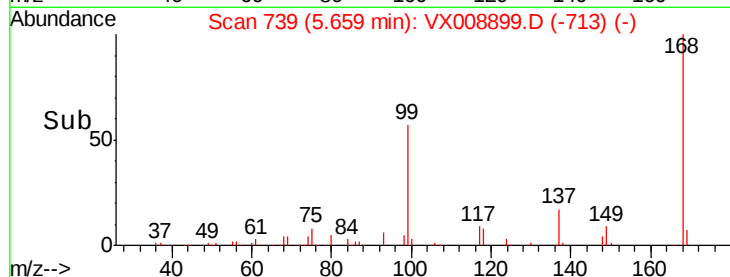
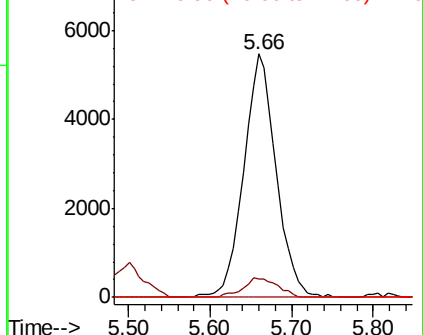
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX008899.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX008899.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX008899.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.429 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

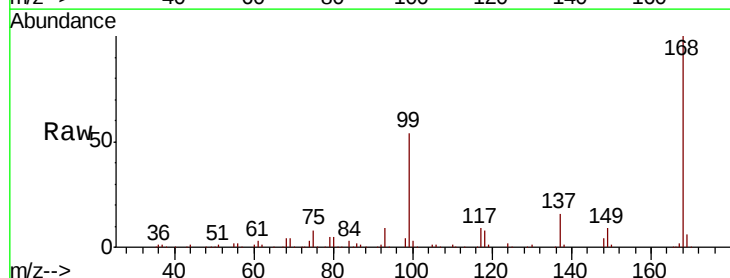
Tgt Ion: 117 Resp: 17840

Ion Ratio Lower Upper

117 100

119 5.7 75.0 112.6#

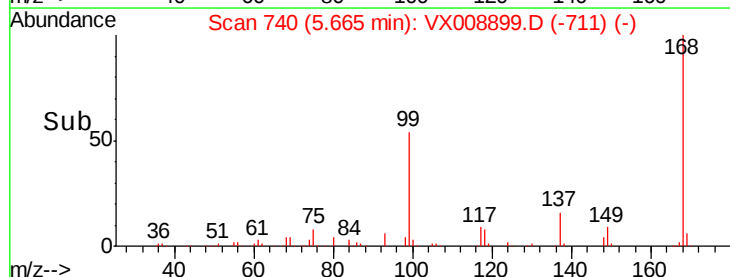
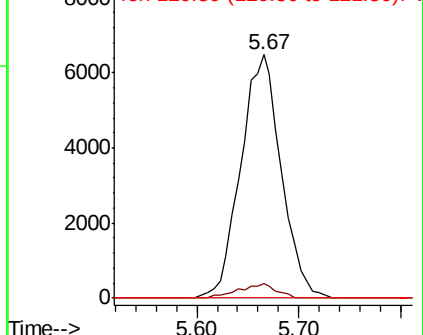
121 0.0 24.3 36.5#

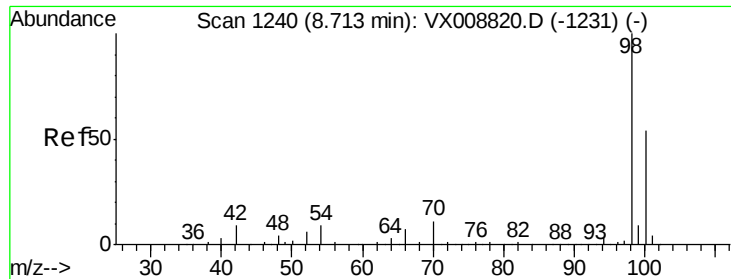


Abundance Ion 116.80 (116.50 to 117.50): VX008899.D (-711) (-)

Ion 118.80 (118.50 to 119.50): VX008899.D (-711) (-)

Ion 120.80 (120.50 to 121.50): VX008899.D (-711) (-)

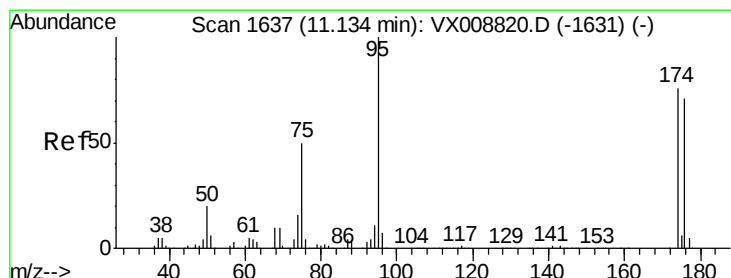
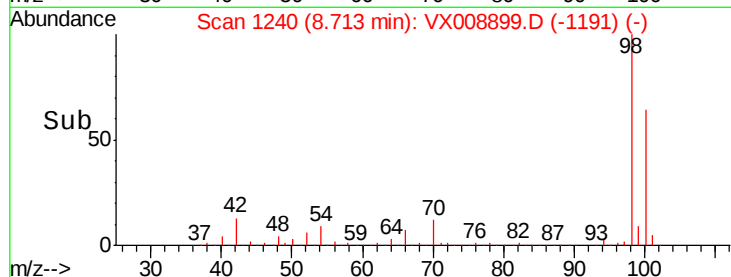
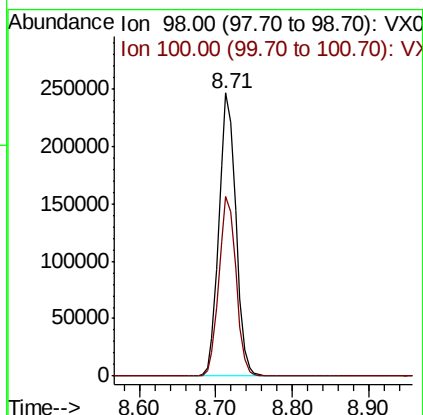
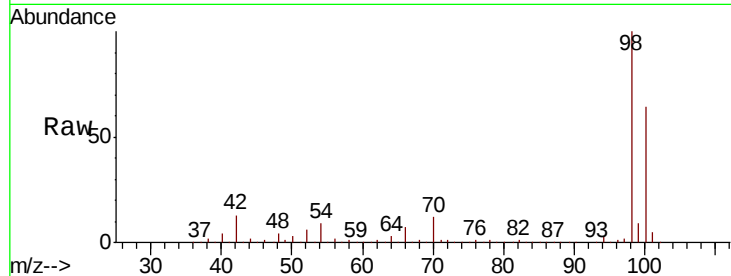




#50
Toluene-d8
Concen: 48.301 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008899.D
Acq: 12 Apr 2019 20:11

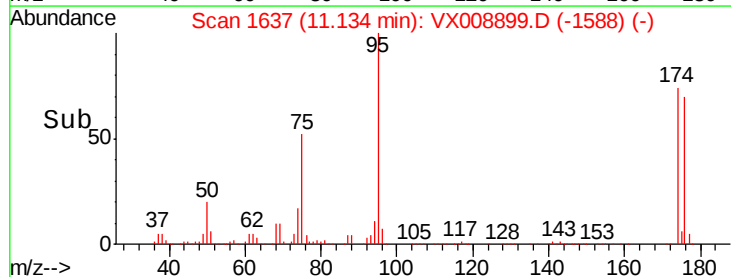
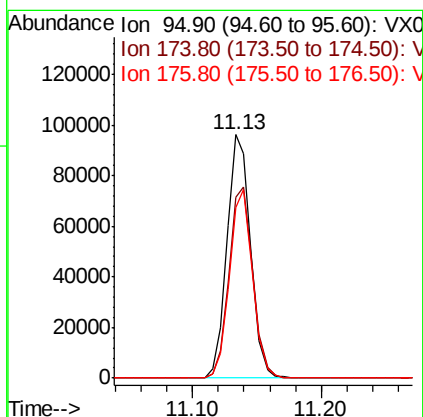
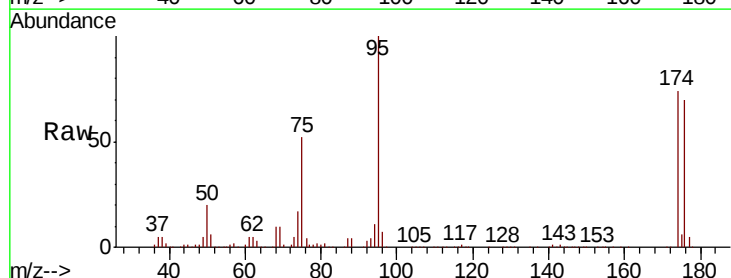
Instrument :
MSVOA_X
ClientSampled :
S8-TB-2019-3

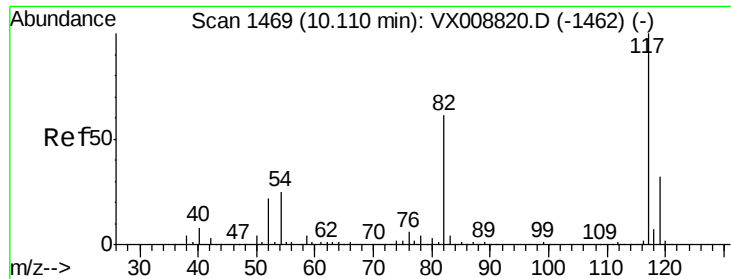
Tot Ion: 98 Resp: 377143
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.648 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008899.D
Acq: 12 Apr 2019 20:11

Tgt Ion: 95 Resp: 123626
Ion Ratio Lower Upper
95 100
174 79.9 0.0 151.8
176 76.1 0.0 145.8

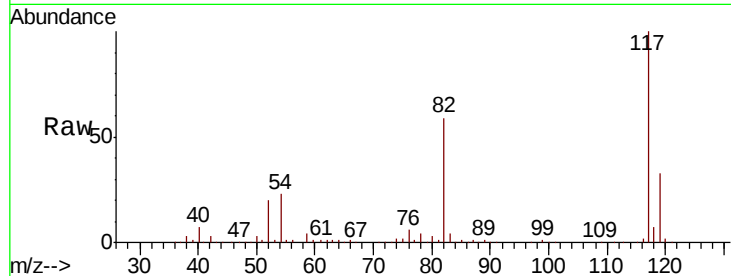




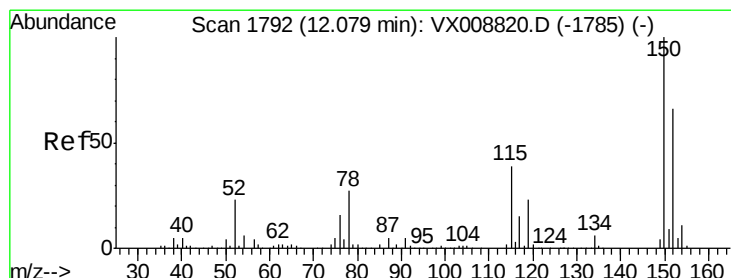
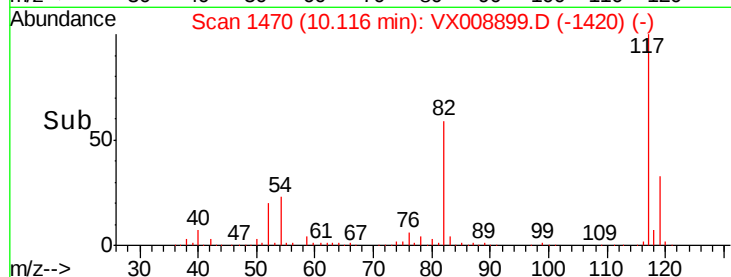
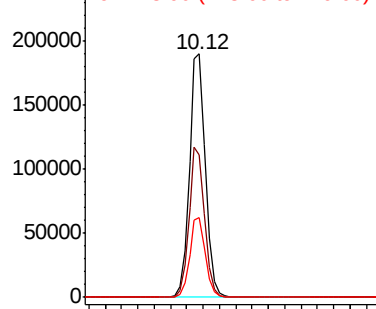
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008899.D
Acq: 12 Apr 2019 20:11

Instrument :
MSVOA_X
ClientSampleId :
S8-TB-2019-3

Tot Ion:117 Resp: 261505
Ion Ratio Lower Upper
117 100
82 58.8 49.6 74.4
119 32.7 25.0 37.4

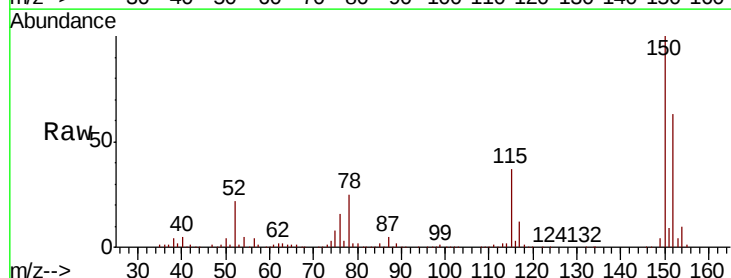


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

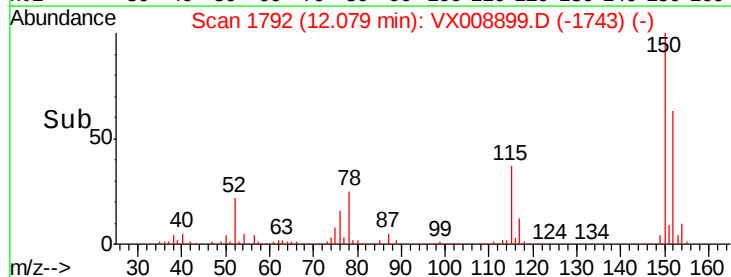
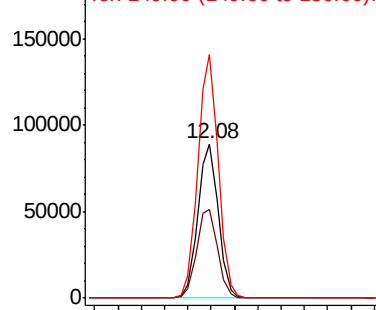


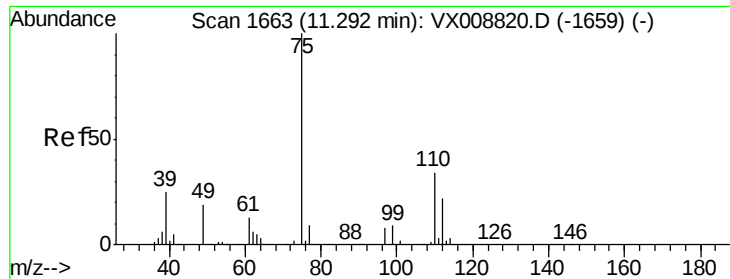
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008899.D
Acq: 12 Apr 2019 20:11

Tgt Ion:152 Resp: 107993
Ion Ratio Lower Upper
152 100
115 59.4 43.5 130.5
150 157.6 0.0 348.8



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: 21.369 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

Instrument :

MSVOA_X

ClientSampled :

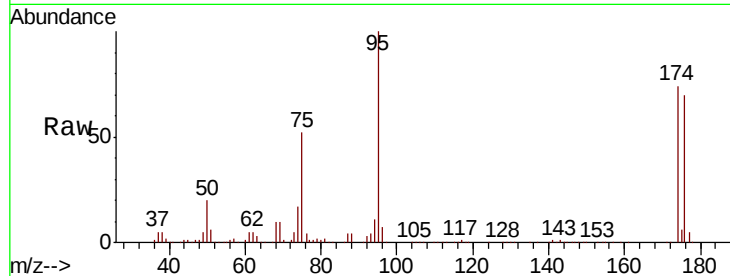
S8-TB-2019-3

Tot Ion: 75 Resp: 63394

Ion Ratio Lower Upper

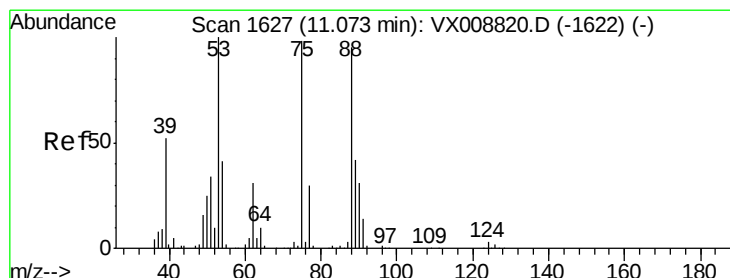
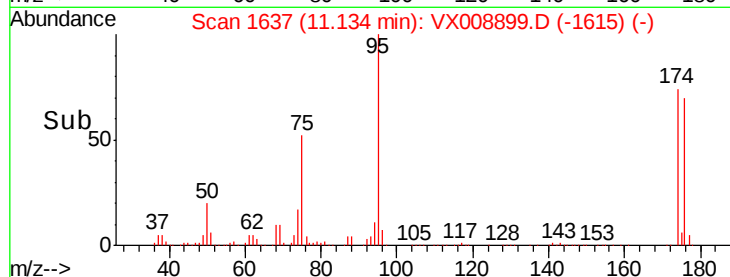
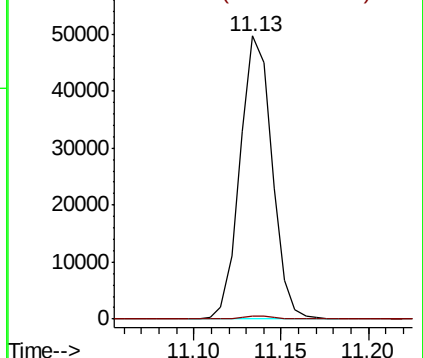
75 100

77 1.3 22.3 66.8#



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: 58.904 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008899.D

Acq: 12 Apr 2019 20:11

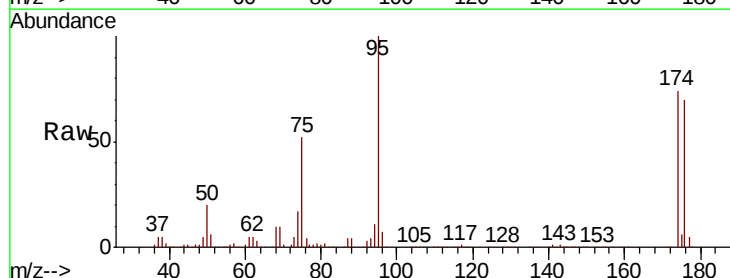
Tgt Ion: 75 Resp: 63394

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

