

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071918\
 Data File : VX003473.D
 Acq On : 19 Jul 2018 20:08
 Operator : JC/SP
 Sample : VX0719WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBL01

Quant Time: Jul 20 03:58:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	299856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	447914	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	231721	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	180413	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	5.51	113	164995	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	8.72	98	631901	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
62) 4-Bromofluorobenzene	11.14	95	217039	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

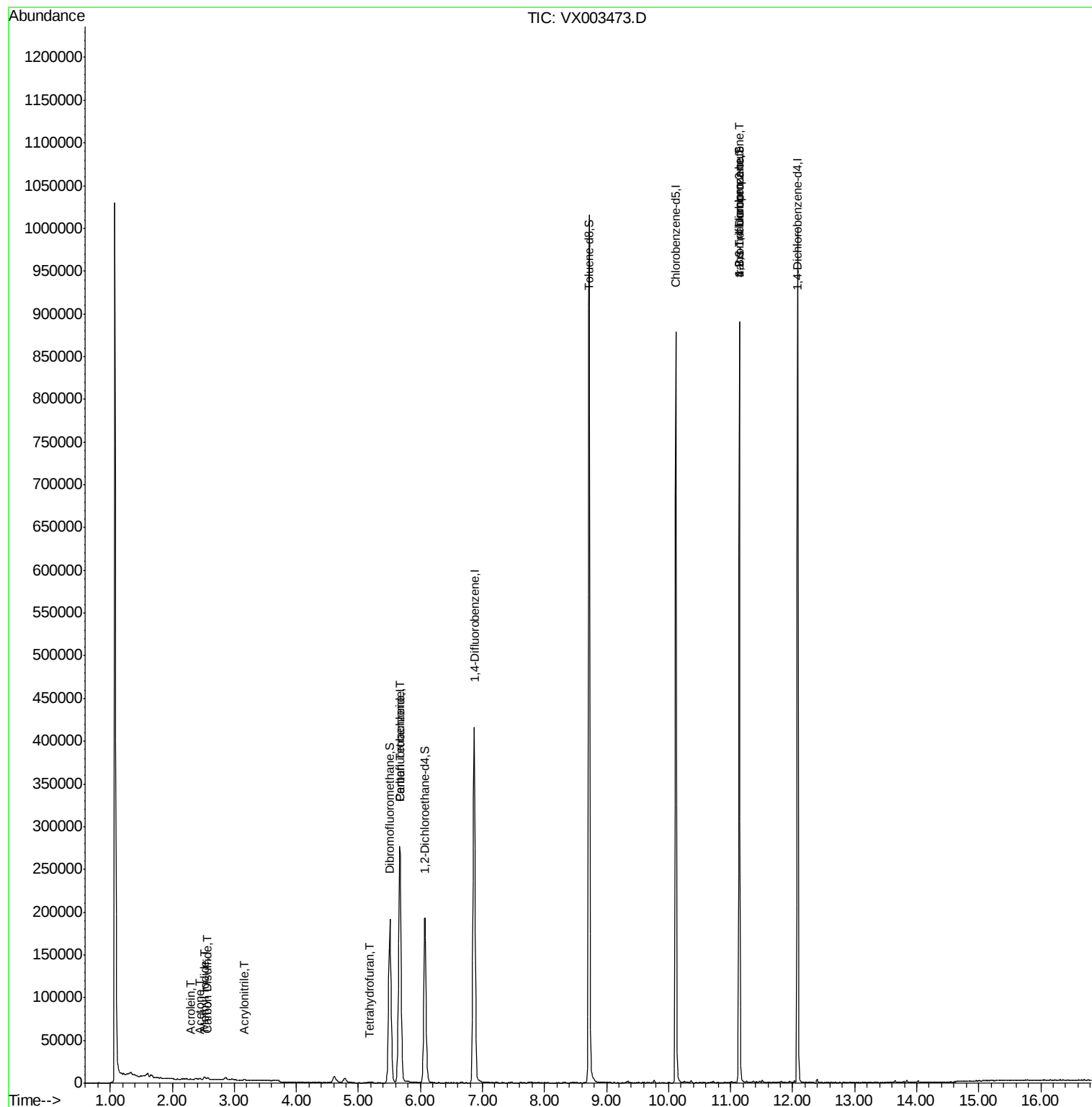
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	183	Below Cal	#	43
3) Chloromethane	1.32	50	1003	Below Cal	#	80
5) Bromomethane	1.65	94	2570	Below Cal	#	79
10) Methyl Iodide	2.52	142	3262	0.82	ug/l	96
13) Acrolein	2.30	56	178	0.56	ug/l	# 70
15) Acrylonitrile	3.15	53	551	0.31	ug/l	# 66
16) Acetone	2.45	43	692	0.52	ug/l	# 78
17) Carbon Disulfide	2.57	76	2811	0.34	ug/l	# 90
20) Methylene Chloride	2.86	84	855	Below Cal	#	86
29) Tetrahydrofuran	5.18	42	454	0.31	ug/l	# 63
38) Carbon Tetrachloride	5.67	117	25251	5.32	ug/l	# 17
76) 1,2,3-Trichloropropane	11.14	75	100442	24.13	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	100442	67.65	ug/l	# 7

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071918\
Data File : VX003473.D
Acq On : 19 Jul 2018 20:08
Operator : JC/SP
Sample : VX0719WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBL01

Quant Time: Jul 20 03:58:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 17:09:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Instrument :

MSVOA_X

ClientSampleId :

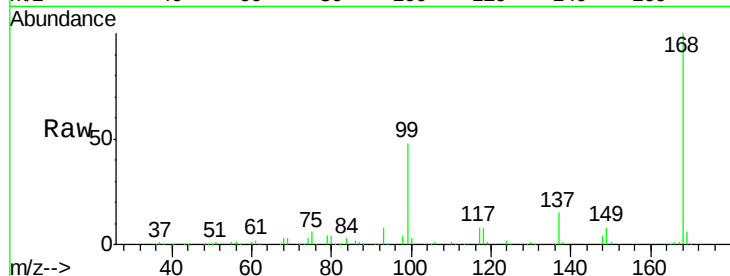
VX0719WBL01

Tot Ion:168 Resp: 299856

Ion Ratio Lower Upper

168 100

99 47.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

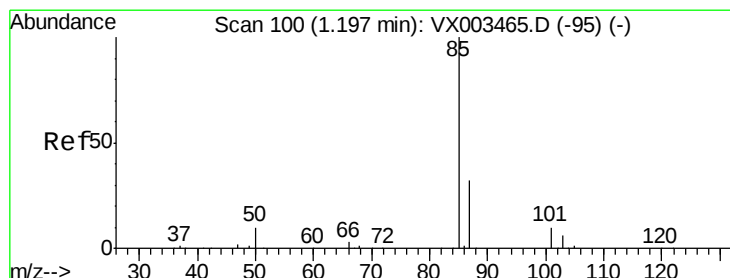
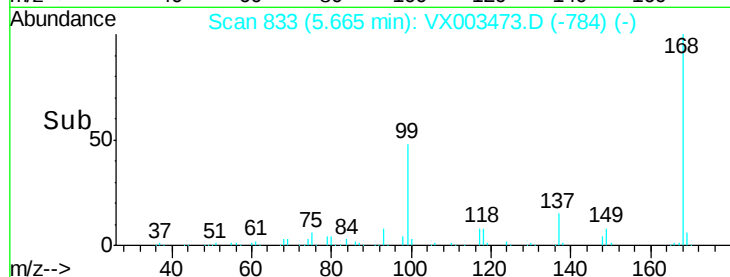
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003473.D

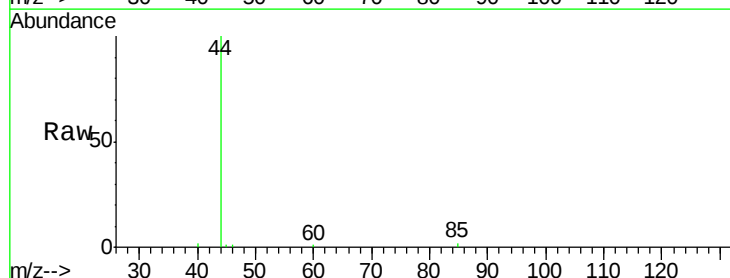
Acq: 19 Jul 2018 20:08

Tgt Ion: 85 Resp: 183

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

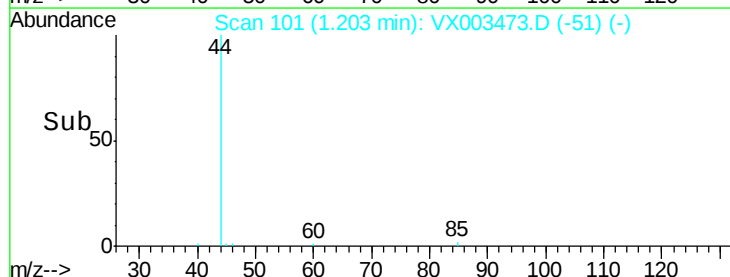
150

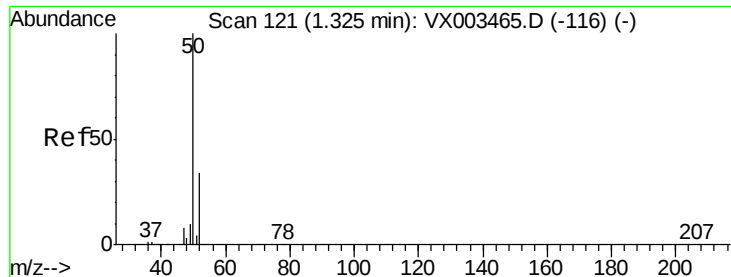
100

50

0

Time--> 1.16 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Instrument :

MSVOA_X

ClientSampleId :

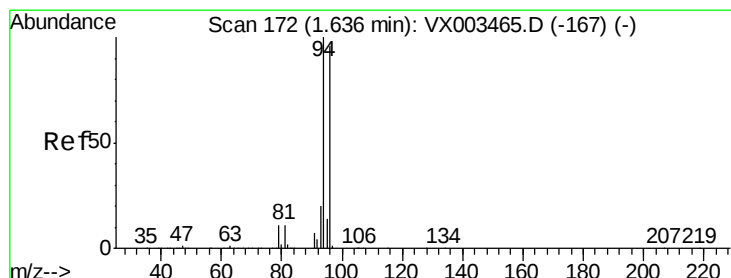
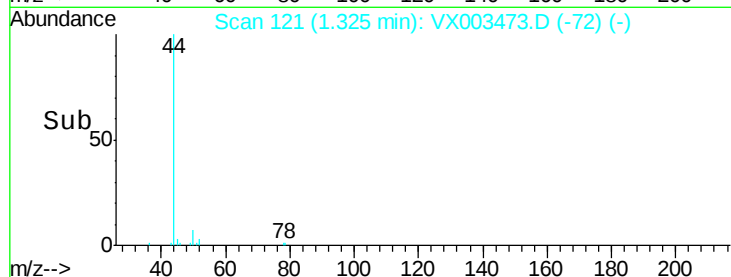
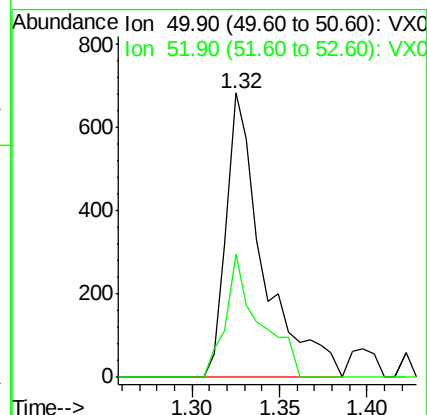
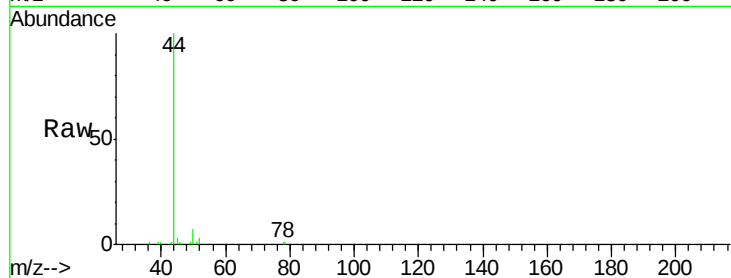
VX0719WBL01

Tot Ion: 50 Resp: 1003

Ion Ratio Lower Upper

50 100

52 43.1 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003473.D

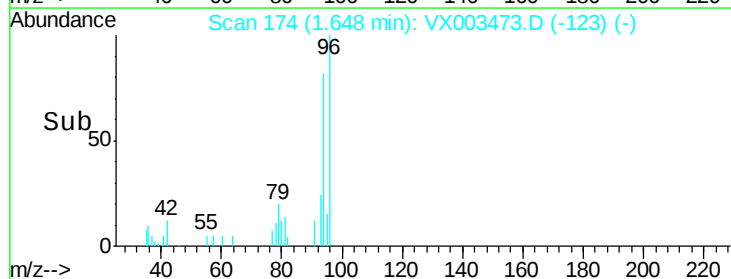
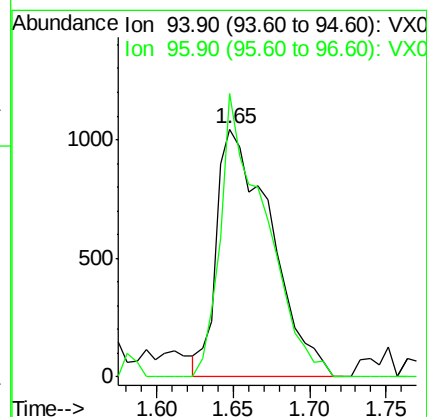
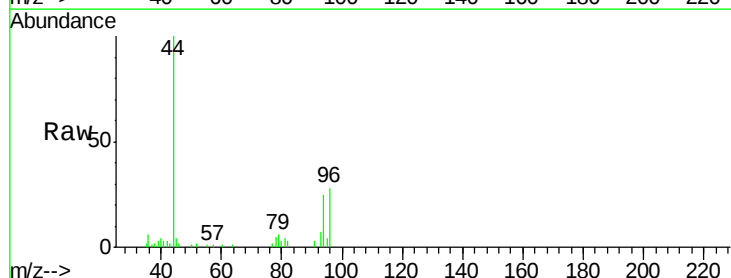
Acq: 19 Jul 2018 20:08

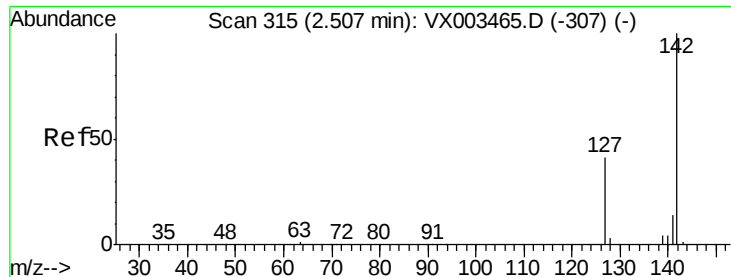
Tgt Ion: 94 Resp: 2570

Ion Ratio Lower Upper

94 100

96 114.2 74.9 112.3#

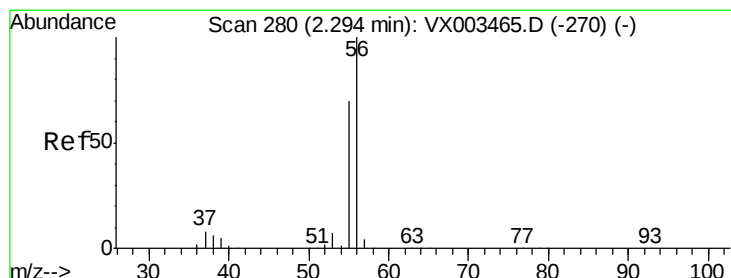
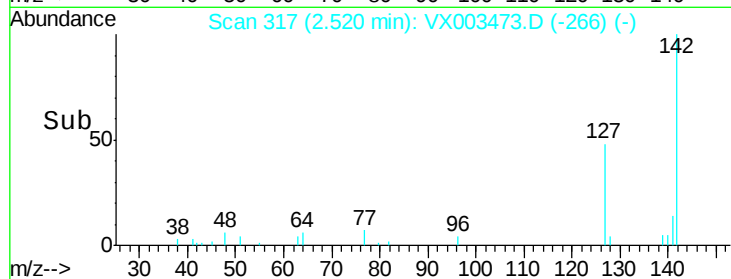
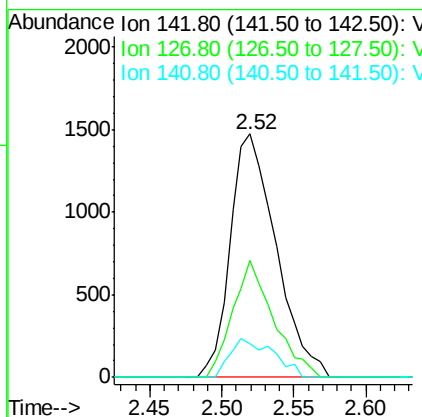
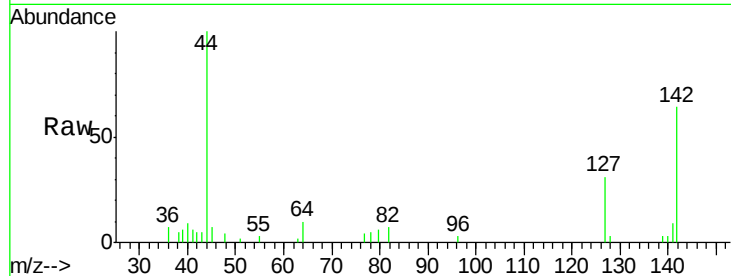




#10
Methvl Iodide
Concen: 0.82 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003473.D
Acq: 19 Jul 2018 20:08

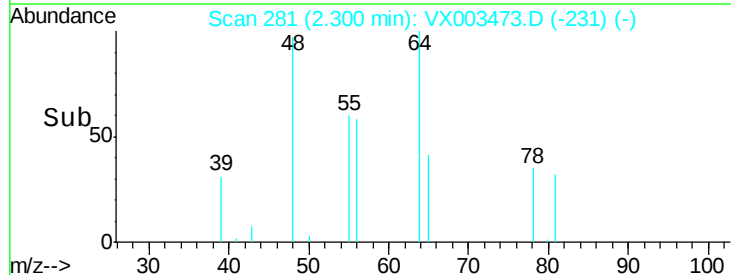
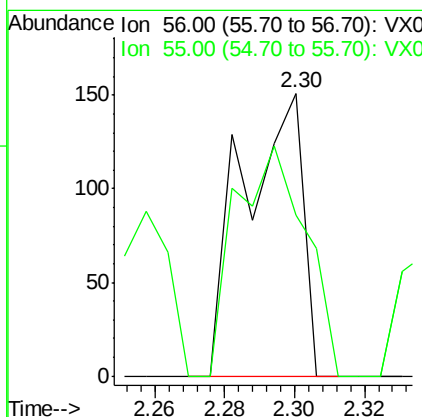
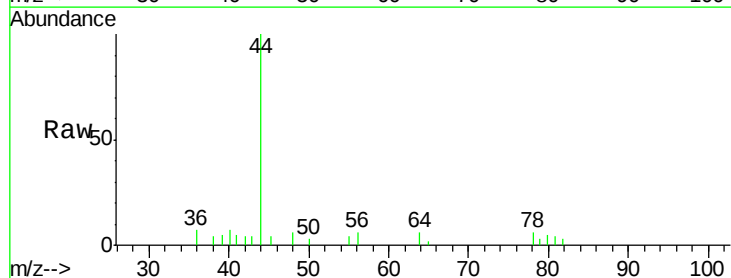
Instrument :
MSVOA_X
ClientSampleId :
VX0719WBL01

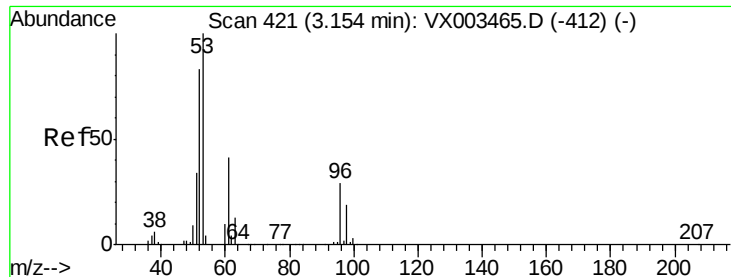
Tot Ion:142 Resp: 3262
Ion Ratio Lower Upper
142 100
127 42.9 36.6 55.0
141 15.0 11.3 16.9



#13
Acrolein
Concen: 0.56 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003473.D
Acq: 19 Jul 2018 20:08

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 96.1 57.0 85.4#





#15

Acrylonitrile

Concen: 0.31 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBL01

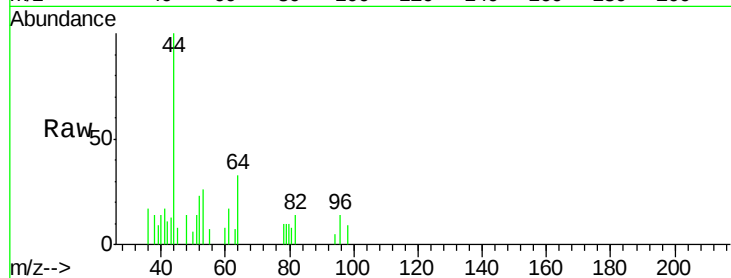
Tot Ion: 53 Resp: 551

Ion Ratio Lower Upper

53 100

52 102.0 66.7 100.1#

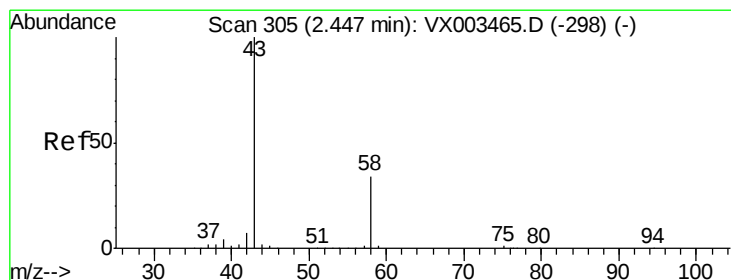
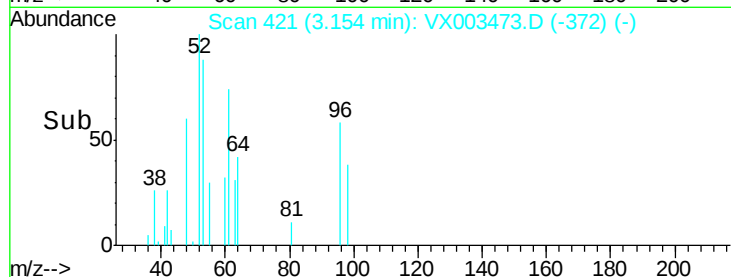
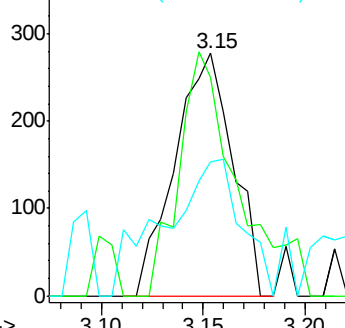
51 75.0 29.9 44.9#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.52 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003473.D

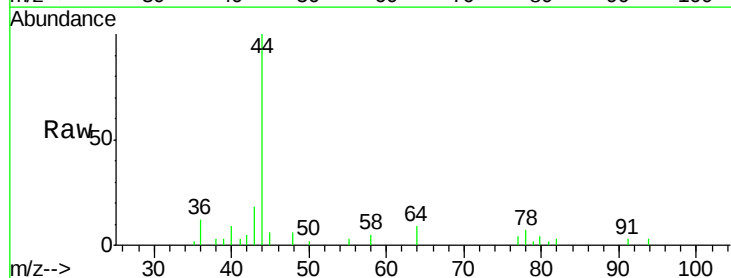
Acq: 19 Jul 2018 20:08

Tgt Ion: 43 Resp: 692

Ion Ratio Lower Upper

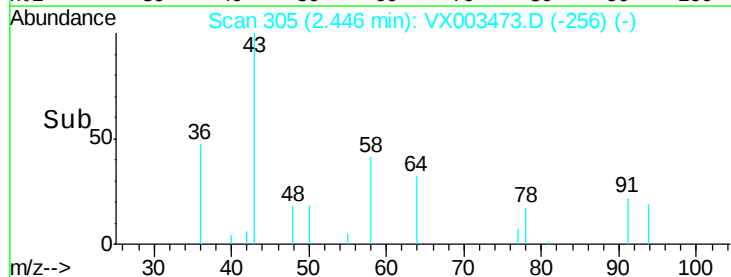
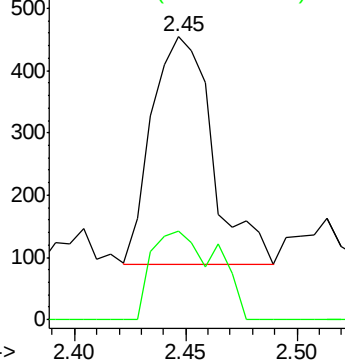
43 100

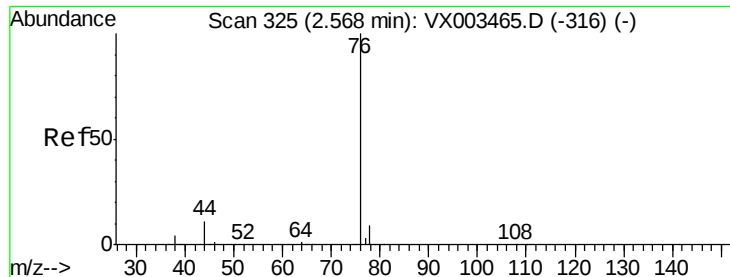
58 38.9 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.34 ua/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Instrument :

MSVOA_X

ClientSampleId :

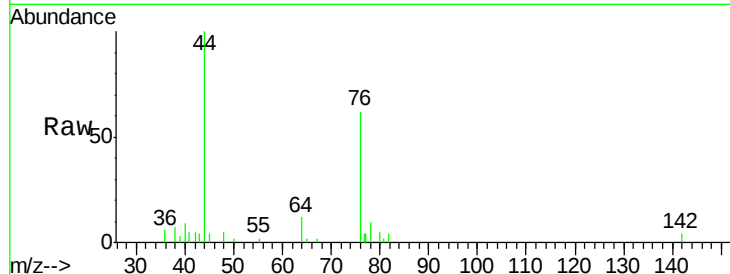
VX0719WBL01

Tot Ion: 76 Resp: 2811

Ion Ratio Lower Upper

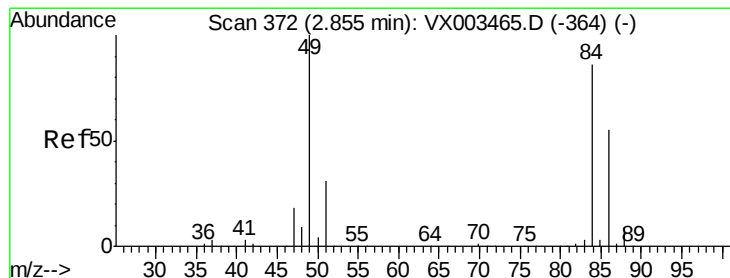
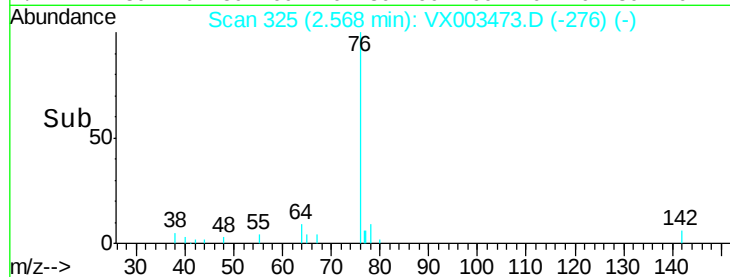
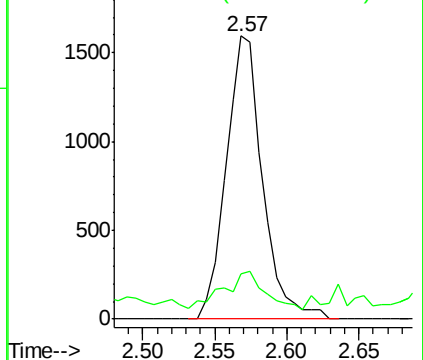
76 100

78 12.2 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Tgt Ion: 84 Resp: 855

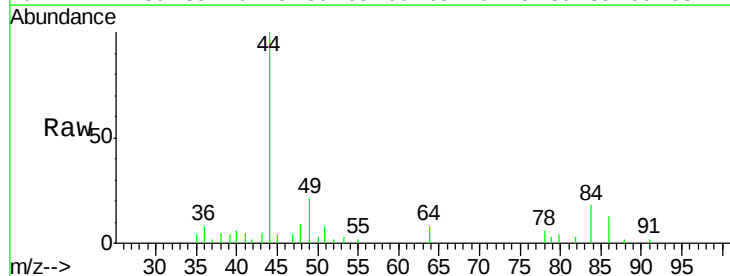
Ion Ratio Lower Upper

84 100

49 114.6 107.8 161.6

51 31.0 32.8 49.2#

86 71.7 52.5 78.7

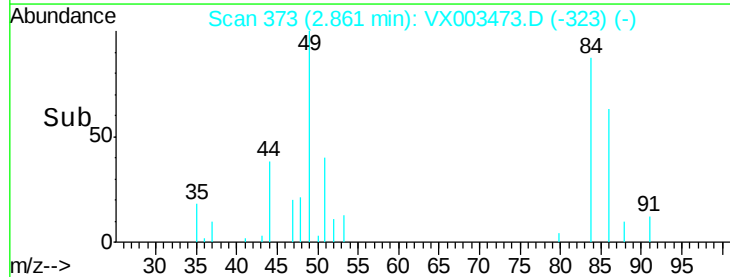
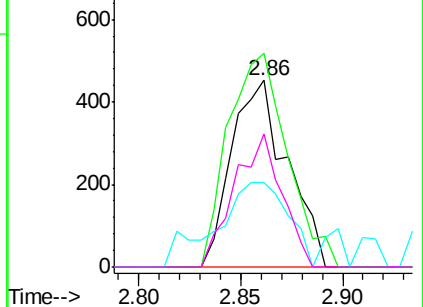


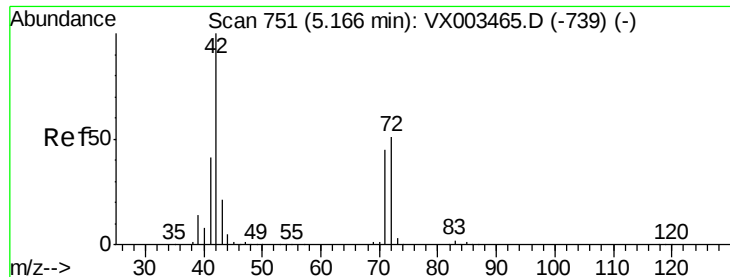
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.31 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.02 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBL01

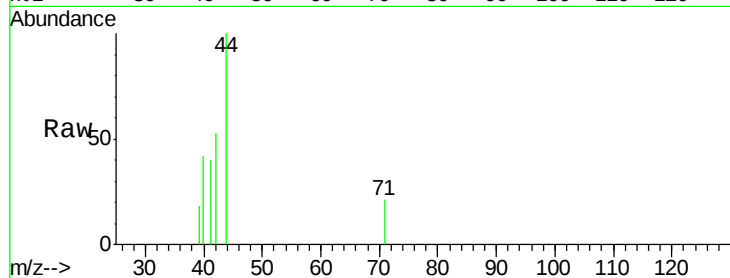
Tot Ion: 42 Resp: 454

Ion Ratio Lower Upper

42 100

72 9.9 32.0 48.0#

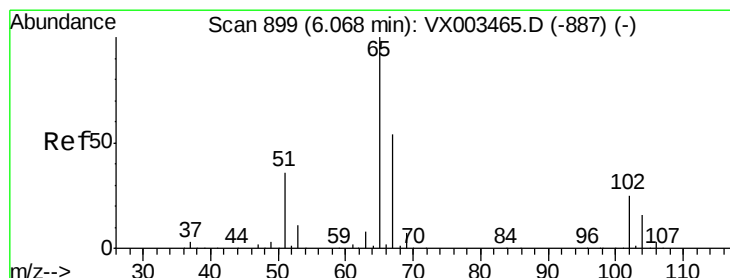
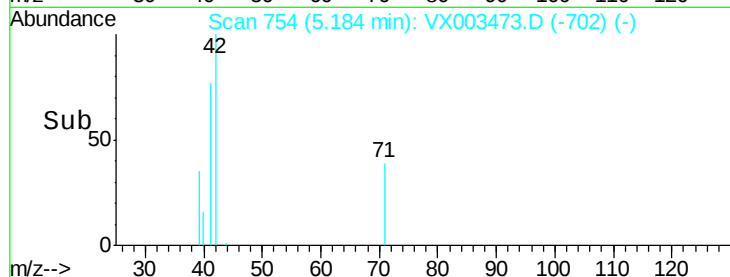
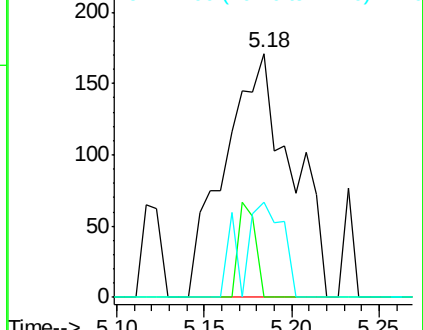
71 23.3 30.1 45.1#



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



#33

1,2-Dichloroethane-d4

Concen: 50.83 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003473.D

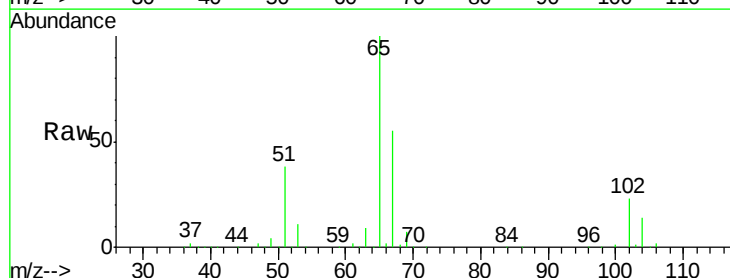
Acq: 19 Jul 2018 20:08

Tgt Ion: 65 Resp: 180413

Ion Ratio Lower Upper

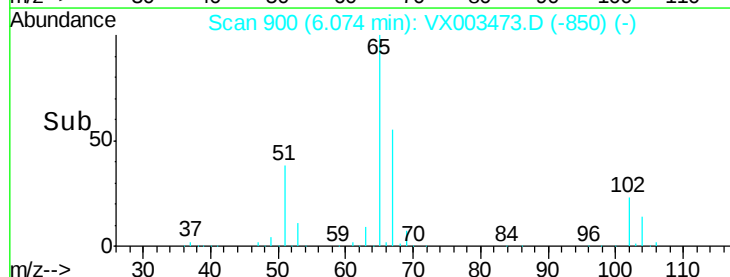
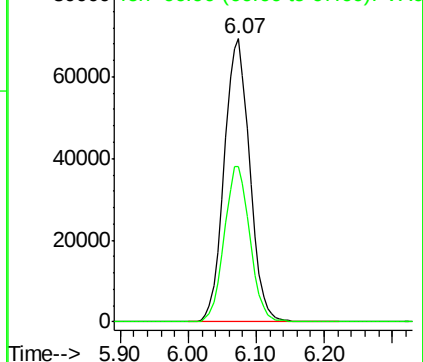
65 100

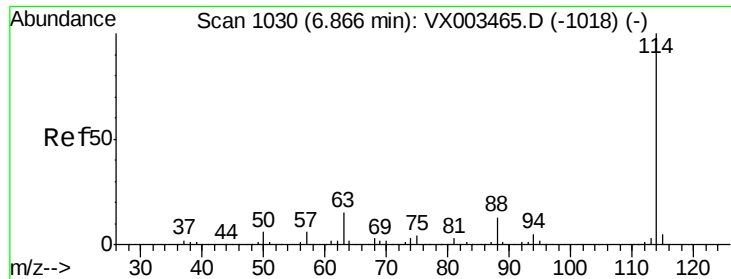
67 54.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

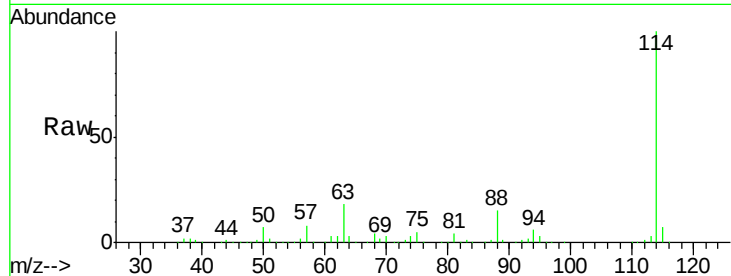




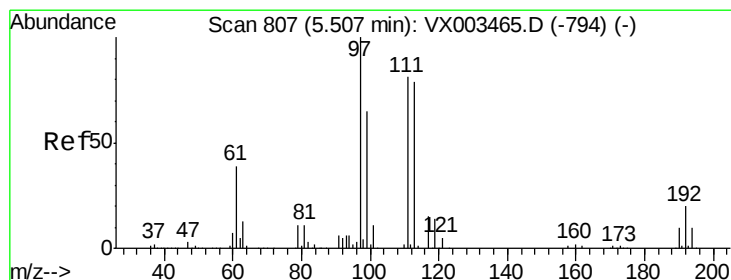
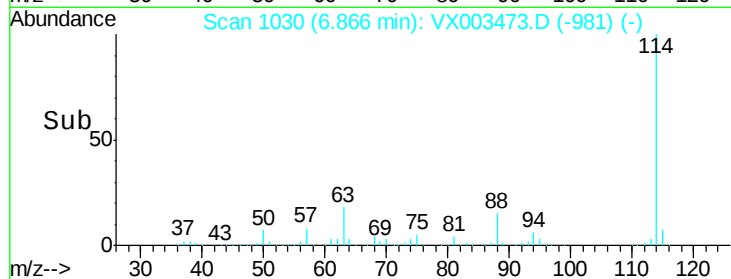
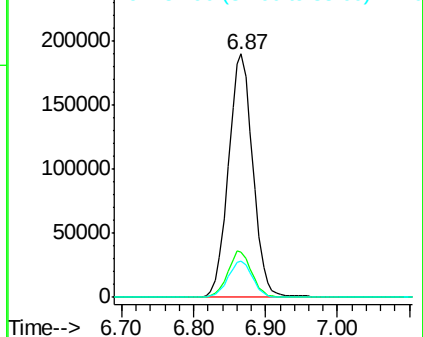
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003473.D
 Acq: 19 Jul 2018 20:08

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBL01

Tot Ion:114 Resp: 447914
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 41.4
 88 14.7 0.0 30.0

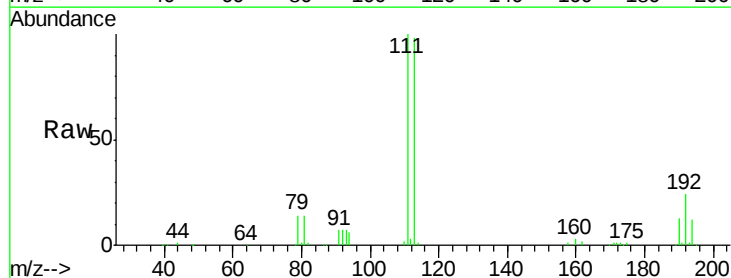


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

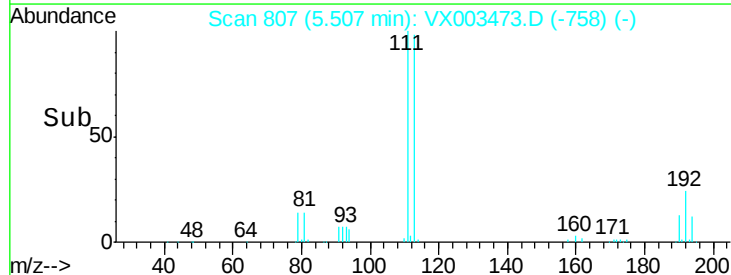
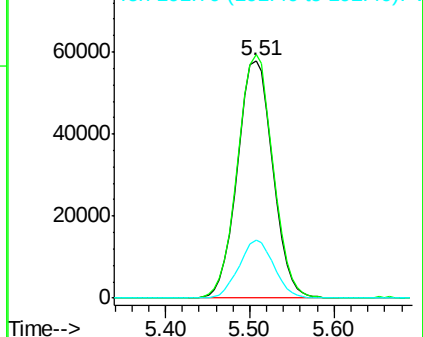


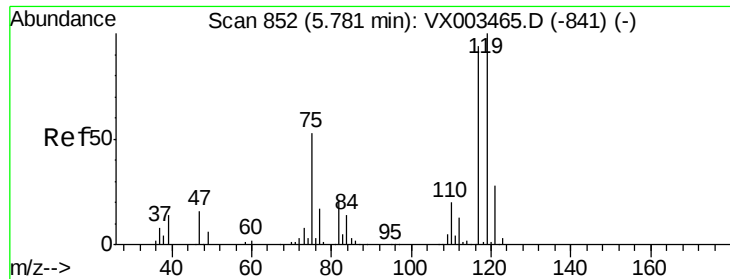
#35
 Dibromofluoromethane
 Concen: 48.36 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003473.D
 Acq: 19 Jul 2018 20:08

Tgt Ion:113 Resp: 164995
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.4 122.0
 192 24.2 19.1 28.7



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

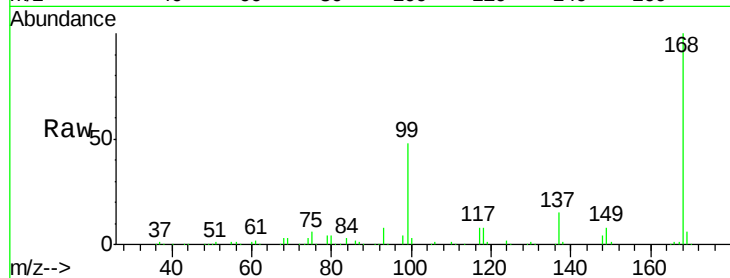




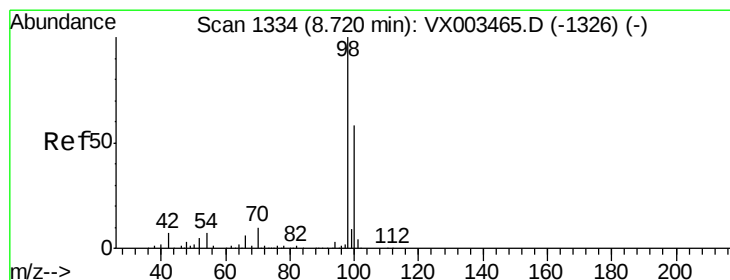
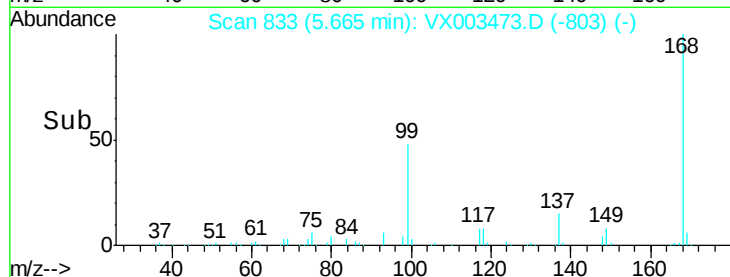
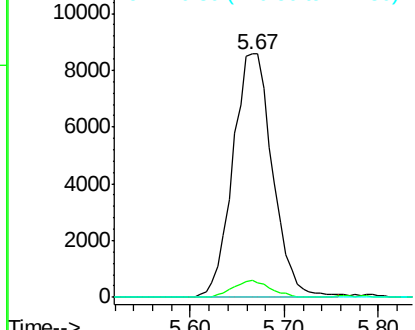
#38
Carbon Tetrachloride
Concen: 5.32 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003473.D
Acq: 19 Jul 2018 20:08

Instrument :
MSVOA_X
ClientSampleId :
VX0719WBL01

Tot Ion:117 Resp: 25251
Ion Ratio Lower Upper
117 100
119 7.2 77.4 116.0#
121 0.0 24.4 36.6#

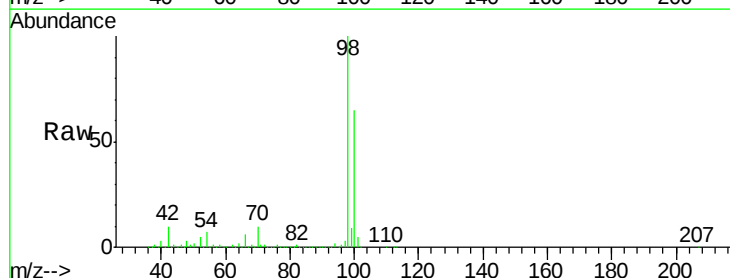


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

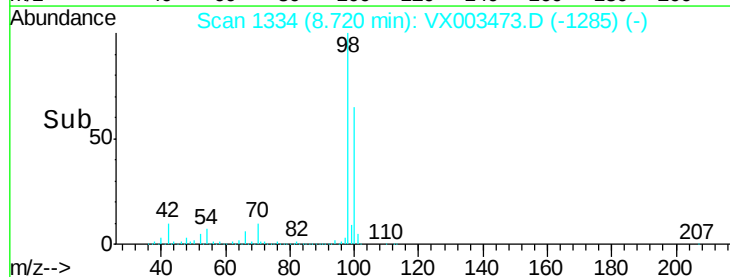
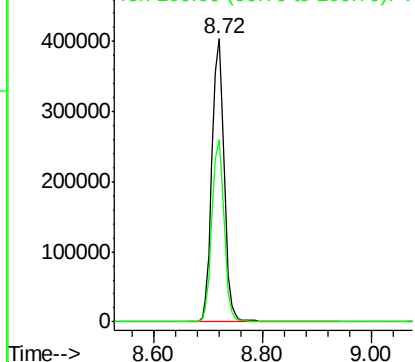


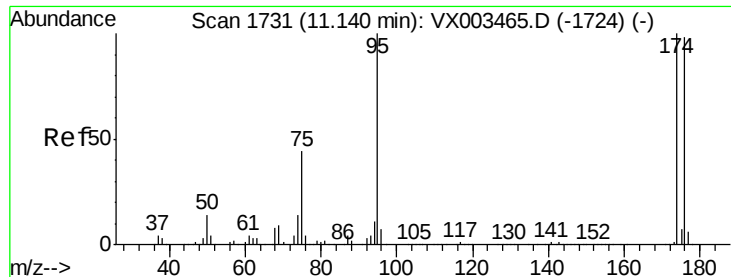
#50
Toluene-d8
Concen: 49.28 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003473.D
Acq: 19 Jul 2018 20:08

Tgt Ion: 98 Resp: 631901
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



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

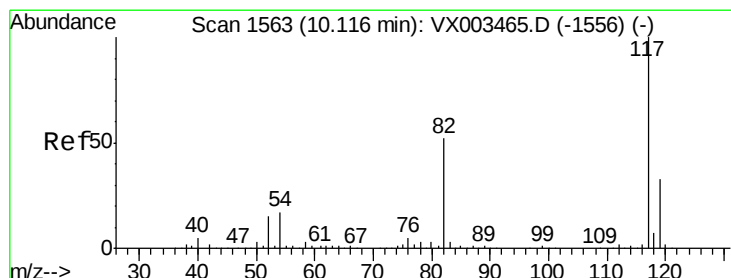
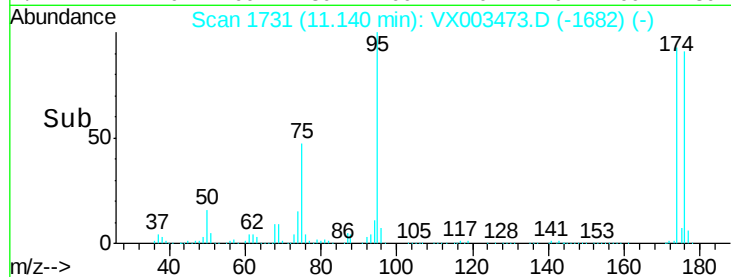
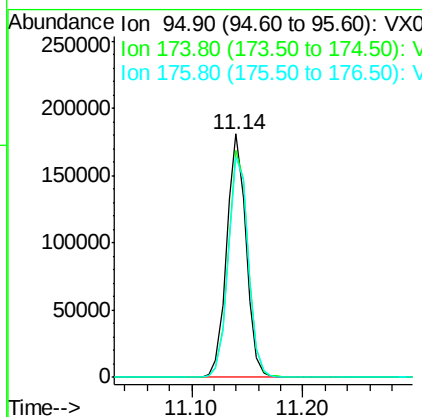
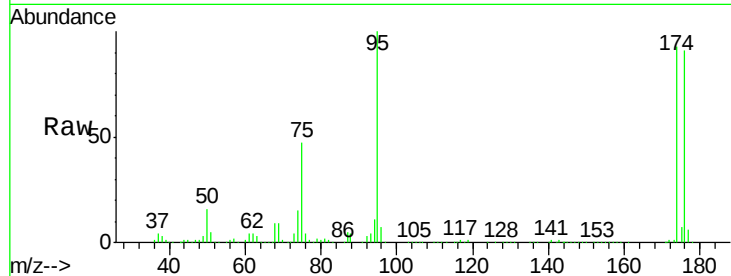




#62
 4-Bromofluorobenzene
 Concen: 46.38 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX003473.D
 Acq: 19 Jul 2018 20:08

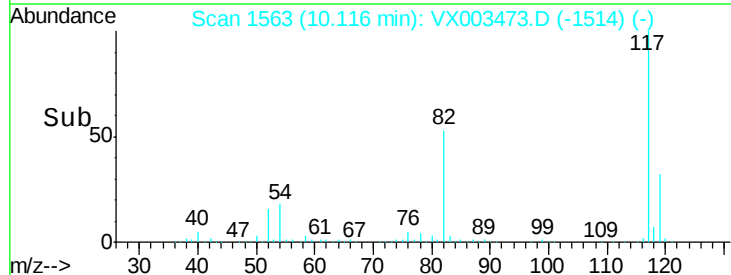
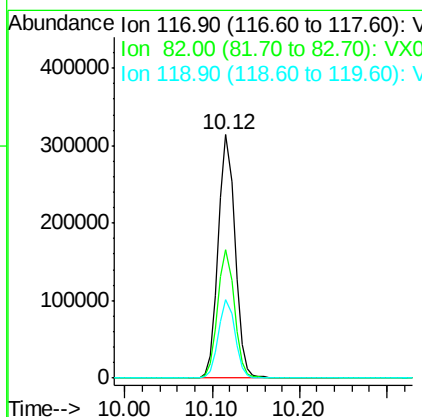
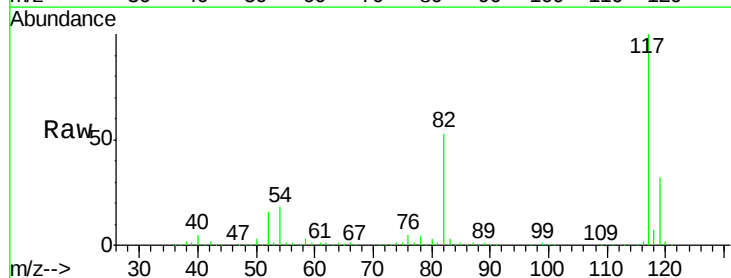
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0719WBL01

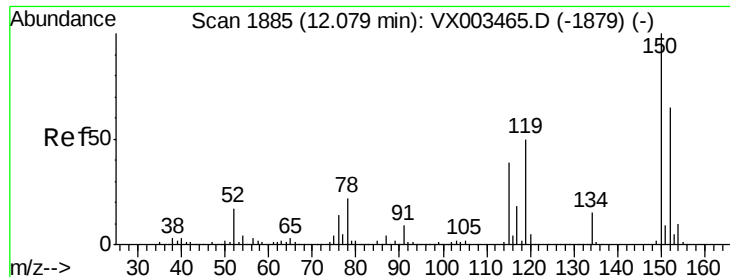
Tot Ion: 95 Resp: 217039
 Ion Ratio Lower Upper
 95 100
 174 95.8 0.0 187.4
 176 93.6 0.0 181.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VX003473.D
 Acq: 19 Jul 2018 20:08

Tgt Ion: 117 Resp: 416876
 Ion Ratio Lower Upper
 117 100
 82 52.6 45.0 67.4
 119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBL01

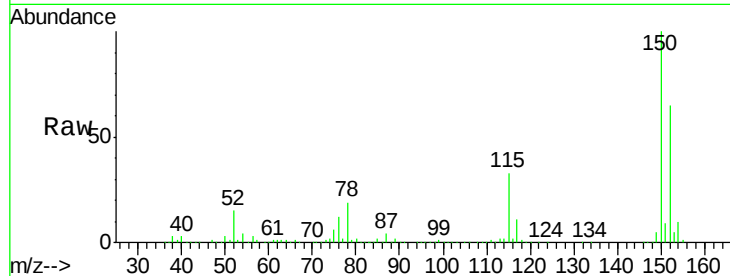
Tot Ion:152 Resp: 231721

Ion Ratio Lower Upper

152 100

115 53.2 40.1 120.2

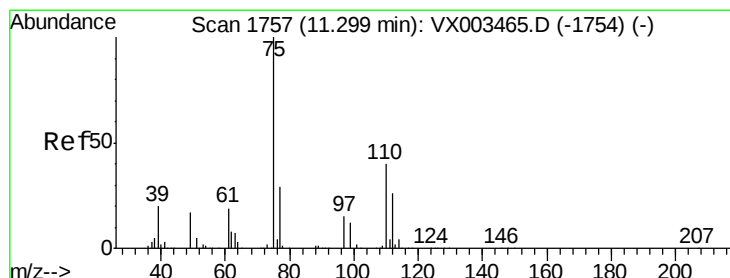
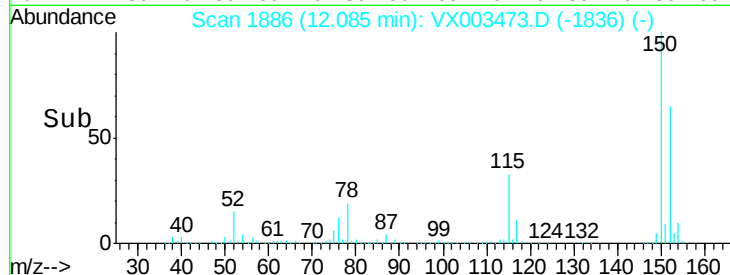
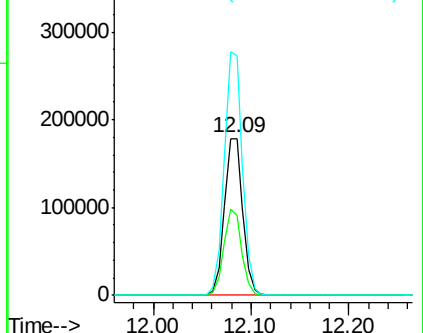
150 154.2 0.0 347.2



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: 24.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003473.D

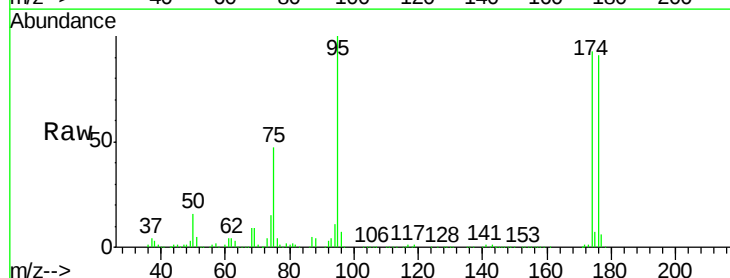
Acq: 19 Jul 2018 20:08

Tgt Ion: 75 Resp: 100442

Ion Ratio Lower Upper

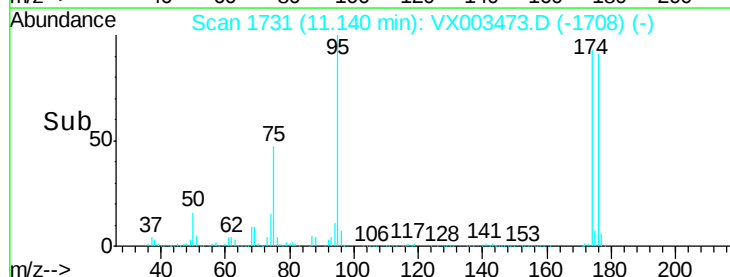
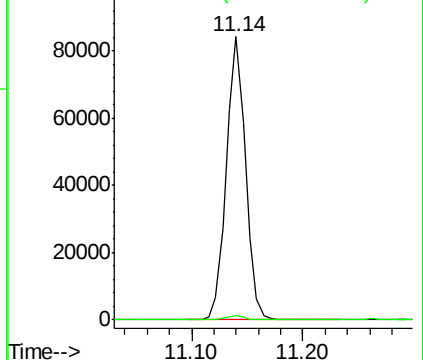
75 100

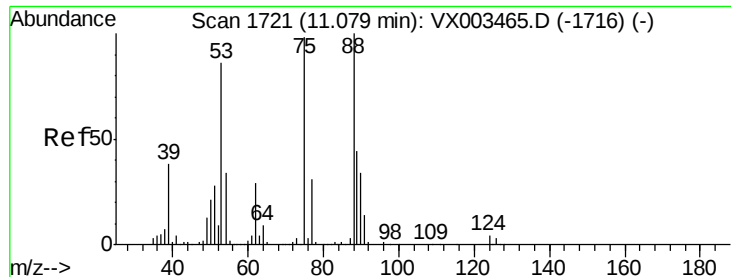
77 1.4 22.8 68.3#



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: 67.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003473.D

Acq: 19 Jul 2018 20:08

Instrument :

MSVOA_X

ClientSampleId :

VX0719WBL01

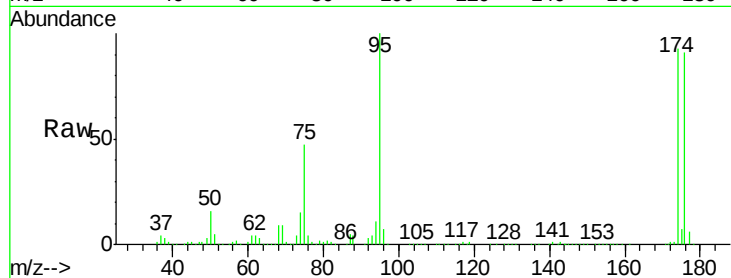
Tot Ion: 75 Resp: 100442

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.1 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

