

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082418\
 Data File : VX004244.D
 Acq On : 24 Aug 2018 14:02
 Operator : JC/MD
 Sample : J4642-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2727

Quant Time: Aug 25 00:28:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	293847	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	402777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	234287	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	196803	51.39	ug/l	0.00
Spiked Amount			Recovery	=	102.78%	
35) Dibromofluoromethane	5.50	113	173276	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	8.71	98	638334	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.14	95	219543	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	

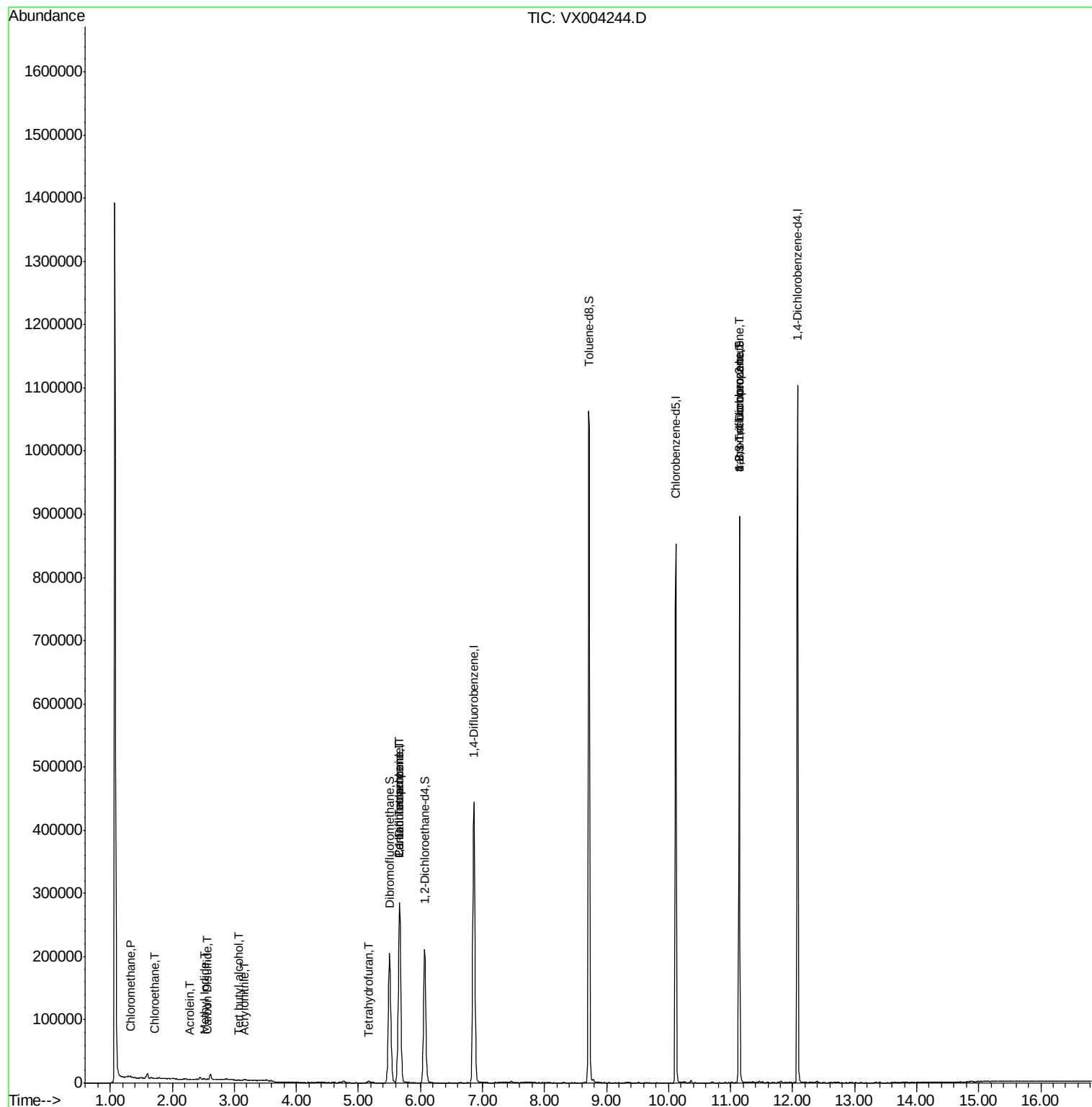
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1243	0.62	ug/l	90
5) Bromomethane	1.65	94	1068	Below Cal	#	66
6) Chloroethane	1.72	64	2022	1.62	ug/l	# 68
10) Methyl Iodide	2.51	142	1292	4.58	ug/l	97
11) Tert butyl alcohol	3.06	59	391	0.48	ug/l	# 81
13) Acrolein	2.28	56	104	0.53	ug/l	# 16
15) Acrylonitrile	3.15	53	430	0.21	ug/l	# 65
16) Acetone	2.45	43	3493	Below Cal		90
17) Carbon Disulfide	2.57	76	1527	0.97	ug/l	# 75
25) 2-Butanone	4.70	43	530	Below Cal		91
29) Tetrahydrofuran	5.17	42	2344	1.42	ug/l	92
36) 1,1-Dichloropropene	5.67	75	19138	3.71	ug/l	# 50
38) Carbon Tetrachloride	5.66	117	25329	5.22	ug/l	# 14
76) 1,2,3-Trichloropropane	11.14	75	100270	21.04	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	100270	68.28	ug/l	# 10
94) Hexachlorobutadiene	13.78	225	166	Below Cal		75

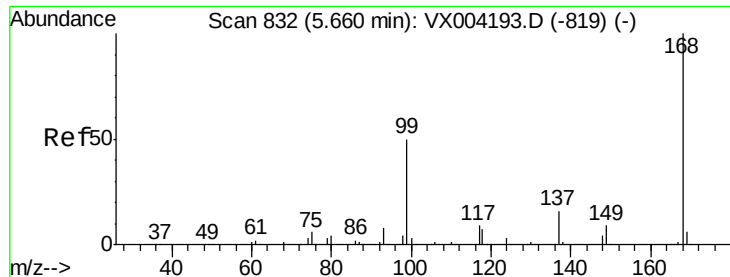
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082418\
Data File : VX004244.D
Acq On : 24 Aug 2018 14:02
Operator : JC/MD
Sample : J4642-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
2727

Quant Time: Aug 25 00:28:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.00 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

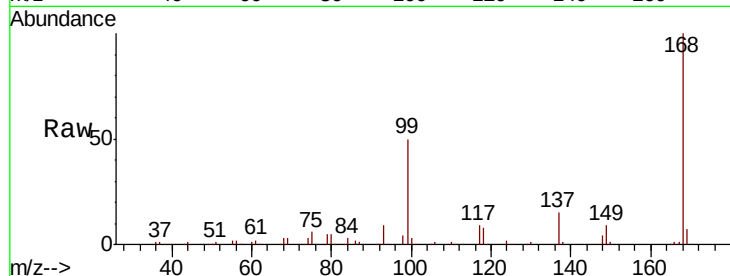
2727

Tot Ion:168 Resp: 293847

Ion Ratio Lower Upper

168 100

99 49.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

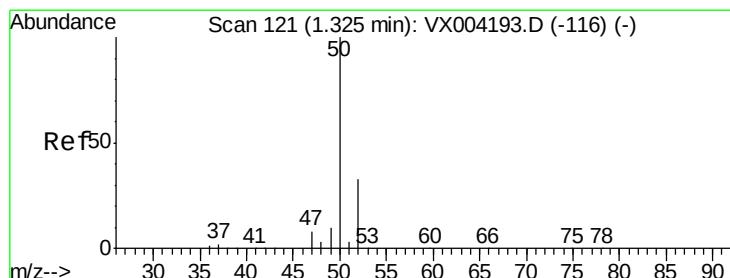
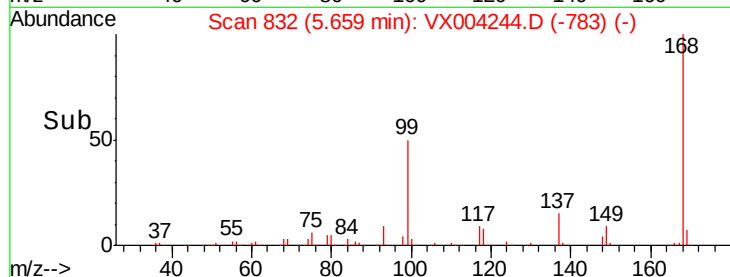
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.62 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004244.D

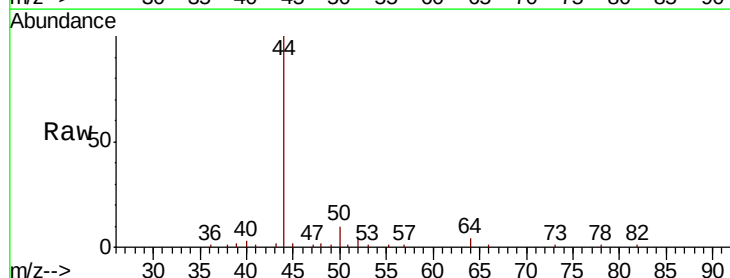
Acq: 24 Aug 2018 14:02

Tgt Ion: 50 Resp: 1243

Ion Ratio Lower Upper

50 100

52 38.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

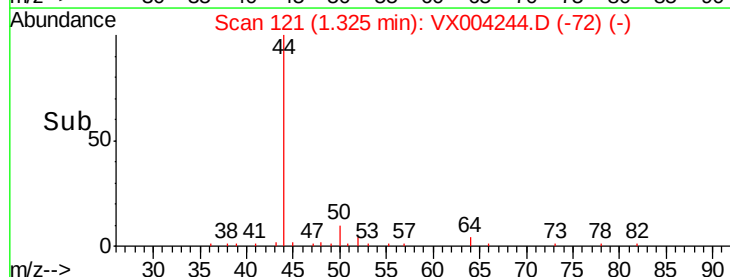
600

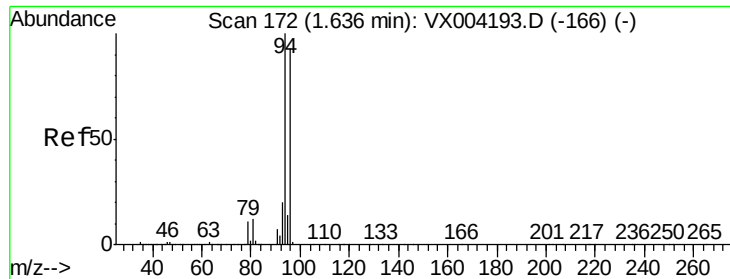
400

200

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

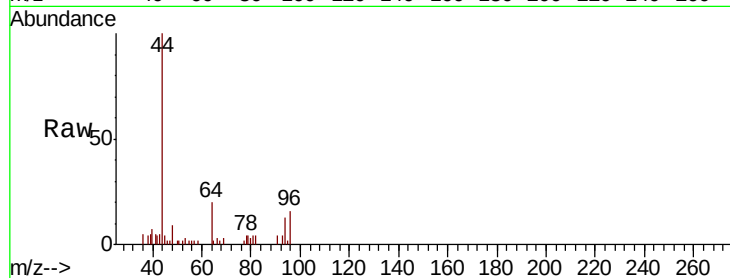
2727

Tot Ion: 94 Resp: 1068

Ion Ratio Lower Upper

94 100

96 125.3 74.5 111.7#

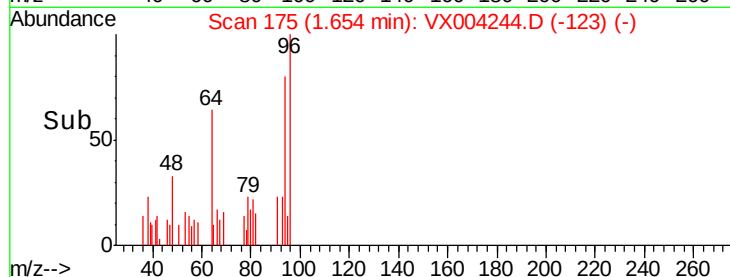


Abundance Ion 93.90 (93.60 to 94.60): VX0

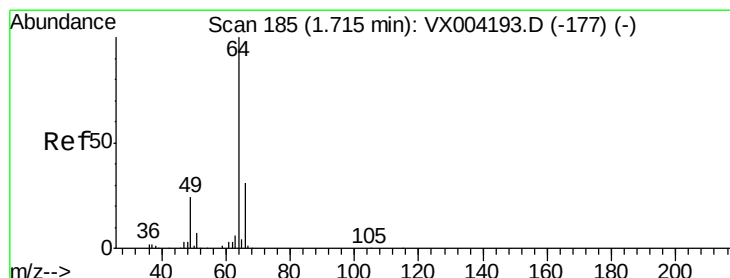
Ion 95.90 (95.60 to 96.60): VX0

Time-->

1.65



Time-->



#6

Chloroethane

Concen: 1.62 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004244.D

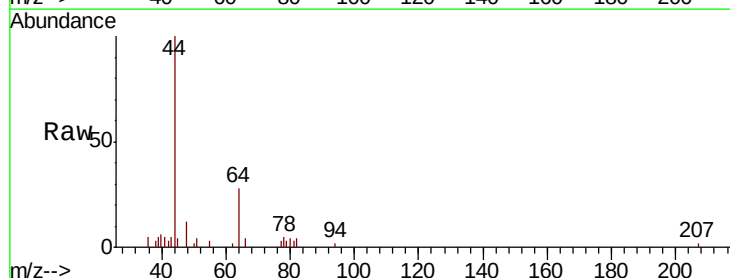
Acq: 24 Aug 2018 14:02

Tgt Ion: 64 Resp: 2022

Ion Ratio Lower Upper

64 100

66 13.0 24.6 36.8#

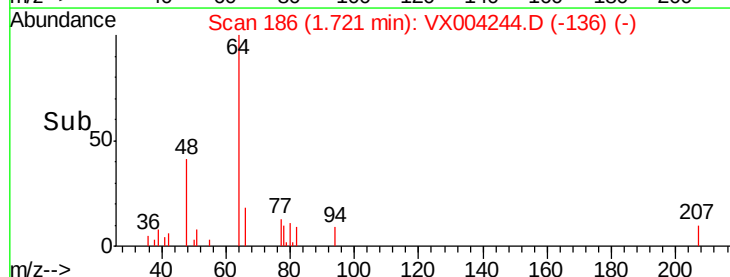


Abundance Ion 63.90 (63.60 to 64.60): VX0

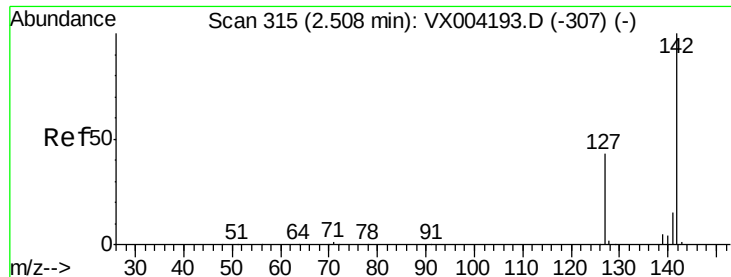
Ion 65.90 (65.60 to 66.60): VX0

Time-->

1.72



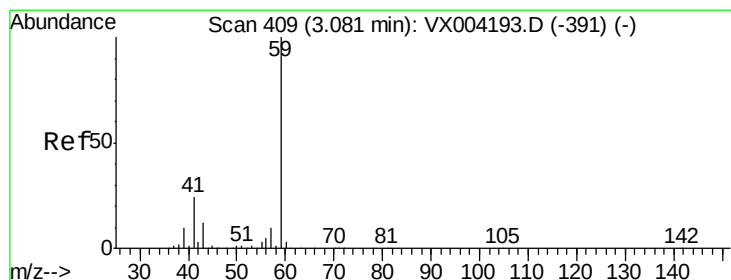
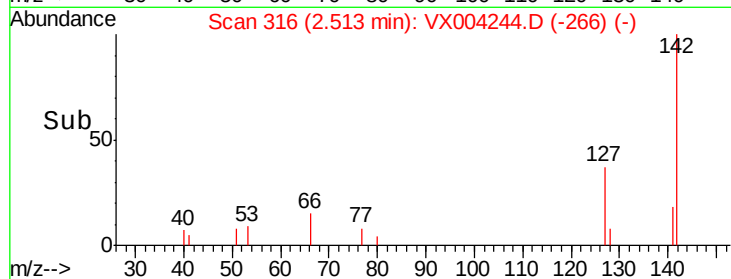
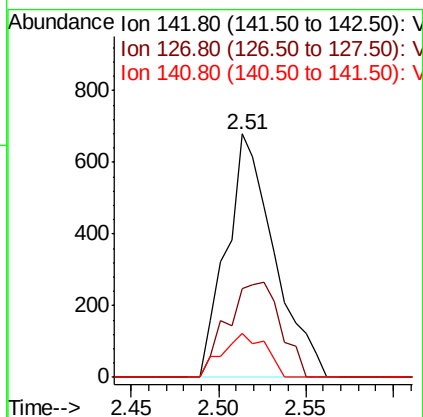
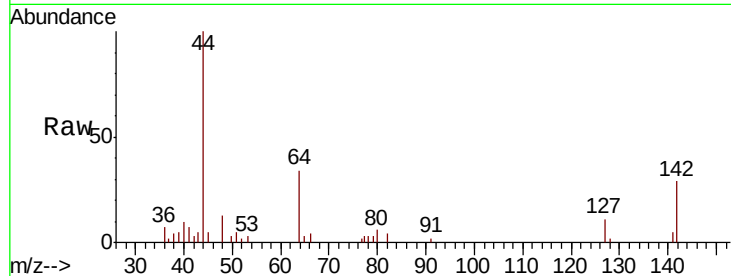
Time-->



#10
Methvl Iodide
Concen: 4.58 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.01 min
Lab File: VX004244.D
Acq: 24 Aug 2018 14:02

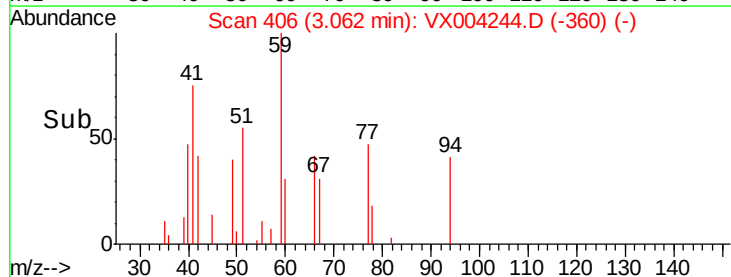
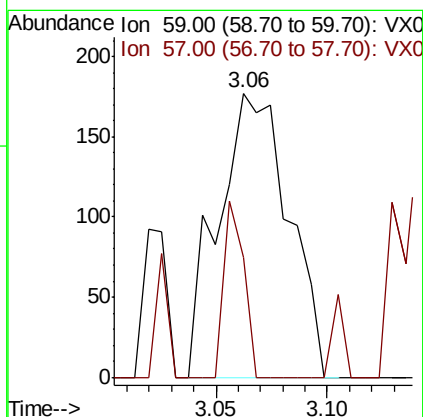
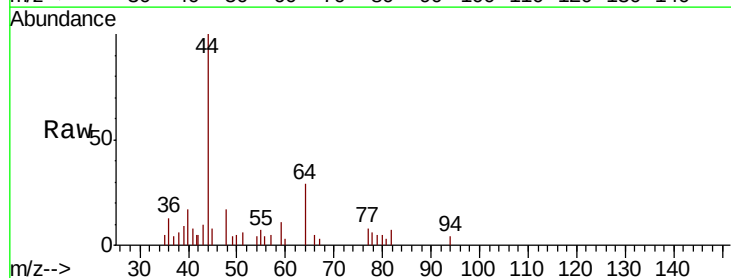
Instrument :
MSVOA_X
ClientSampled :
2727

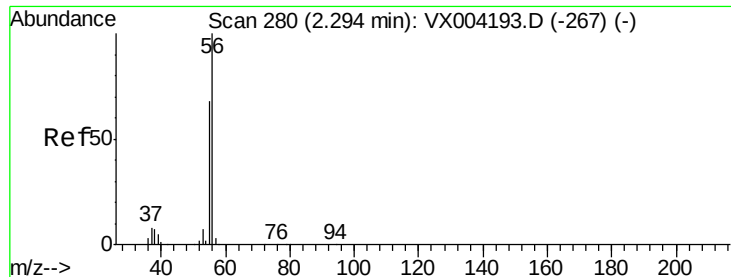
Tot Ion:142 Resp: 1292
Ion Ratio Lower Upper
142 100
127 43.3 33.8 50.6
141 16.4 11.4 17.0



#11
Tert butyl alcohol
Concen: 0.48 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004244.D
Acq: 24 Aug 2018 14:02

Tgt Ion: 59 Resp: 391
Ion Ratio Lower Upper
59 100
57 17.4 8.2 12.4#





#13

Acrolein

Concen: 0.53 ug/l

RT: 2.28 min Scan# 277

Delta R.T. -0.02 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

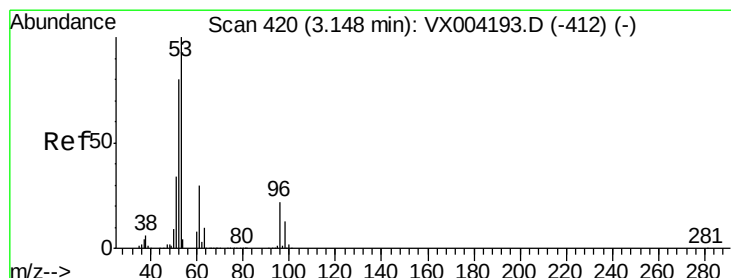
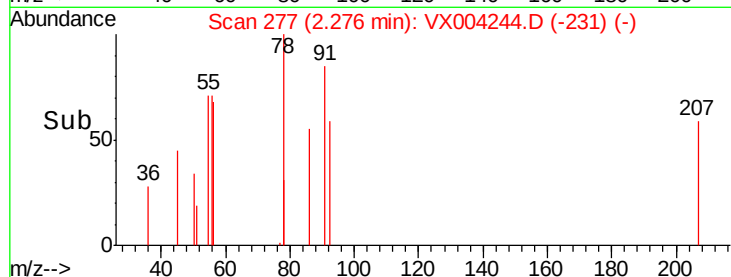
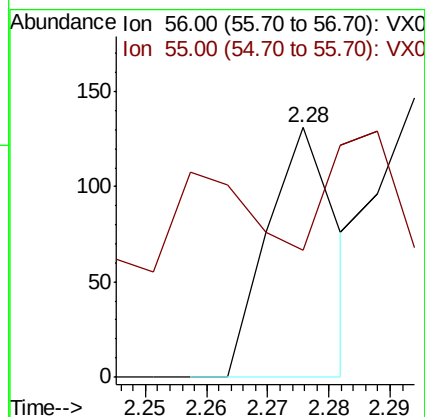
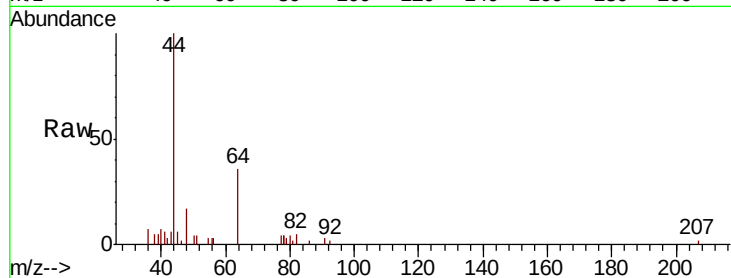
2727

Tot Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 136.5 54.7 82.1#



#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

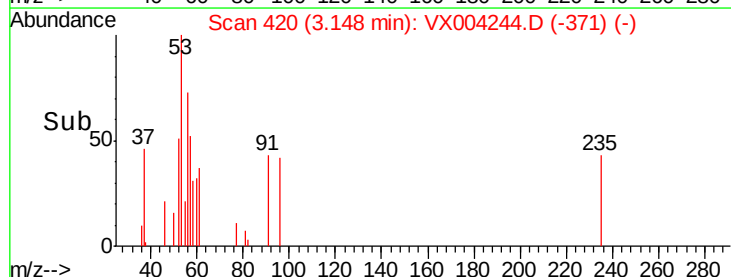
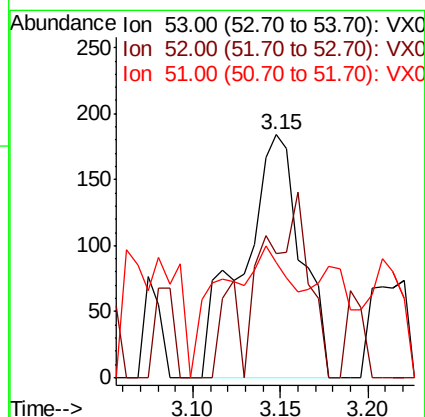
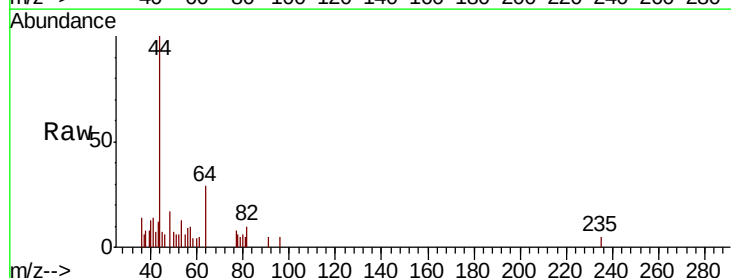
Tgt Ion: 53 Resp: 430

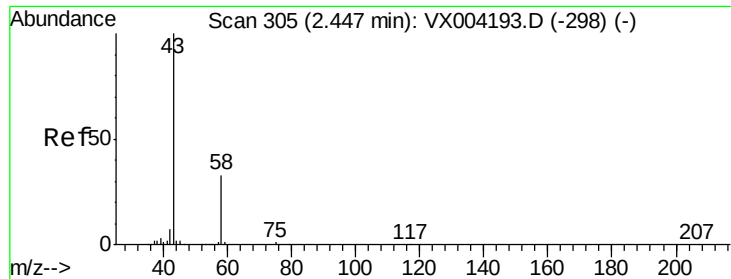
Ion Ratio Lower Upper

53 100

52 55.6 65.2 97.8#

51 64.4 28.2 42.2#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

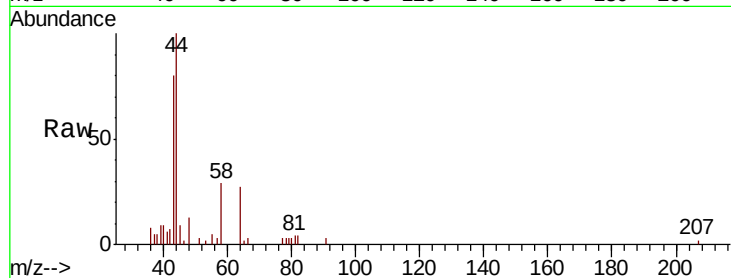
2727

Tot Ion: 43 Resp: 3493

Ion Ratio Lower Upper

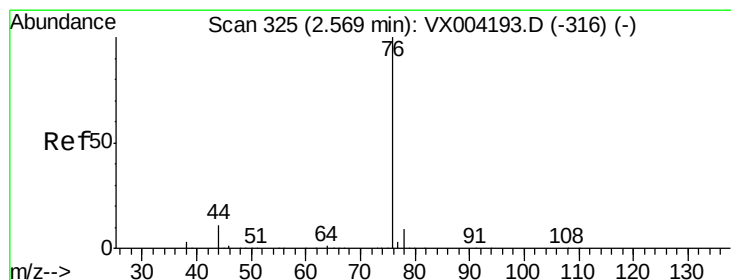
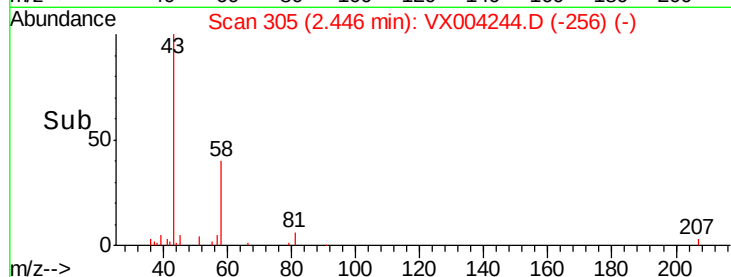
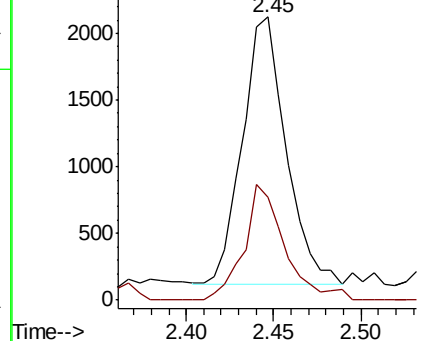
43 100

58 38.6 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.97 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004244.D

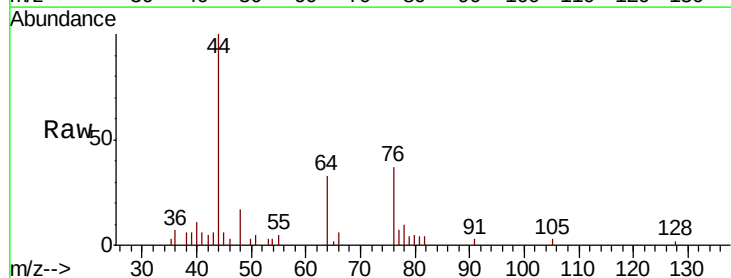
Acq: 24 Aug 2018 14:02

Tgt Ion: 76 Resp: 1527

Ion Ratio Lower Upper

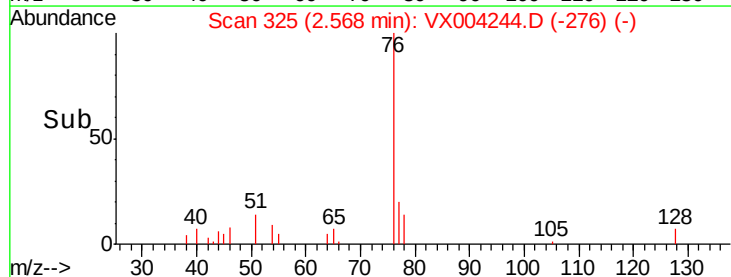
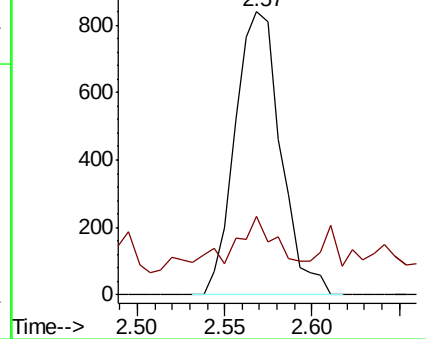
76 100

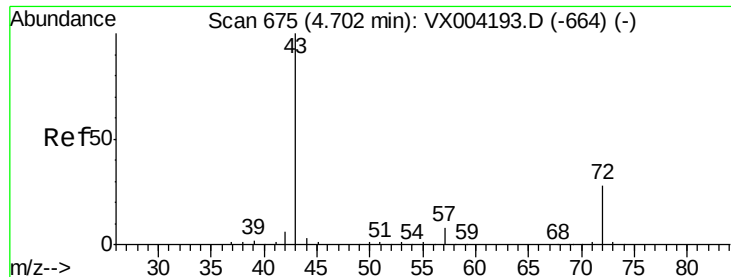
78 17.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#25

2-Butanone

Concen: Below Cal

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

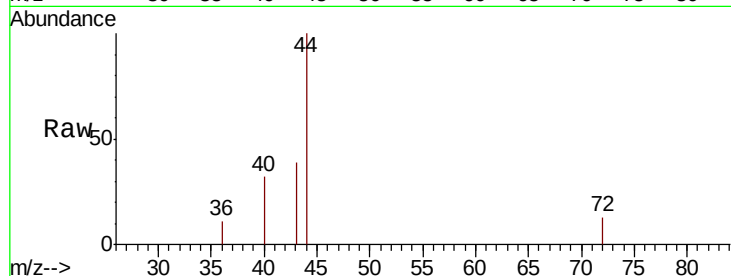
2727

Tot Ion: 43 Resp: 530

Ion Ratio Lower Upper

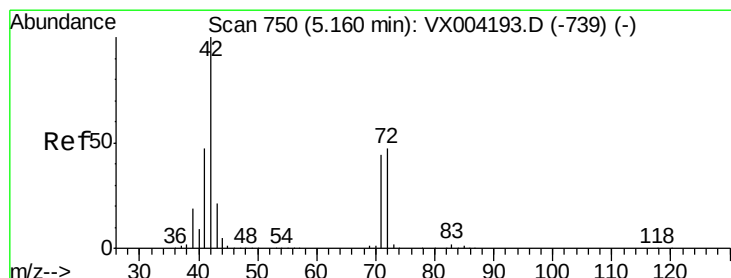
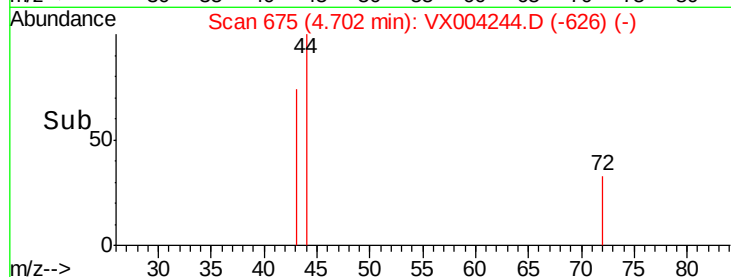
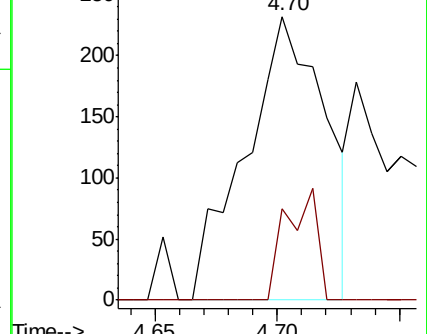
43 100

72 32.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 1.42 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.01 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

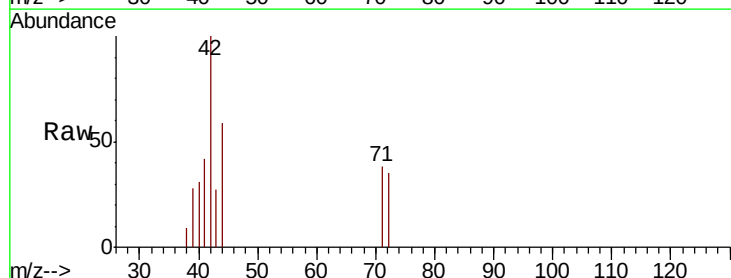
Tgt Ion: 42 Resp: 2344

Ion Ratio Lower Upper

42 100

72 41.6 37.4 56.0

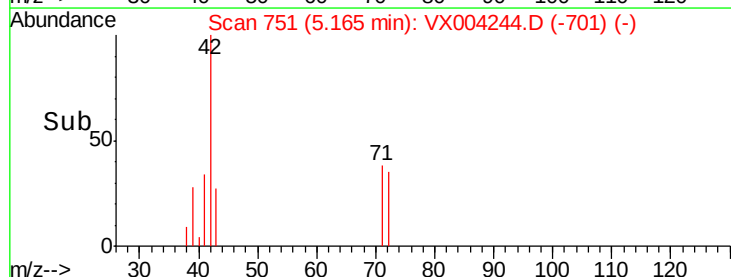
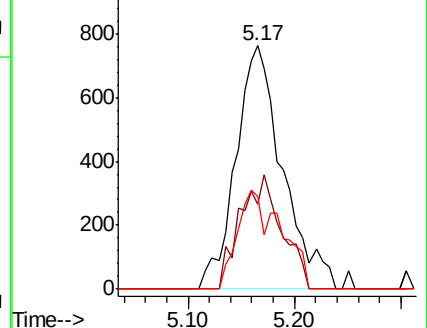
71 38.2 34.5 51.7

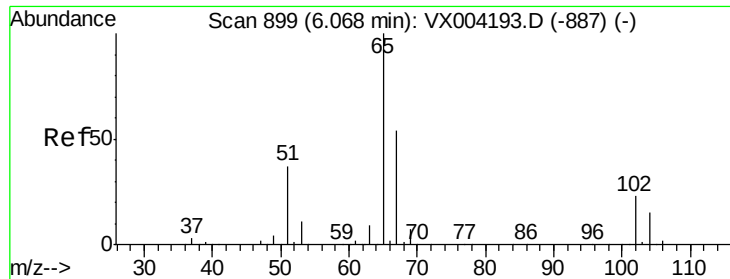


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

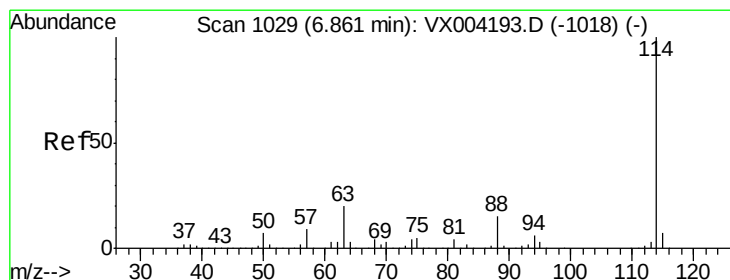
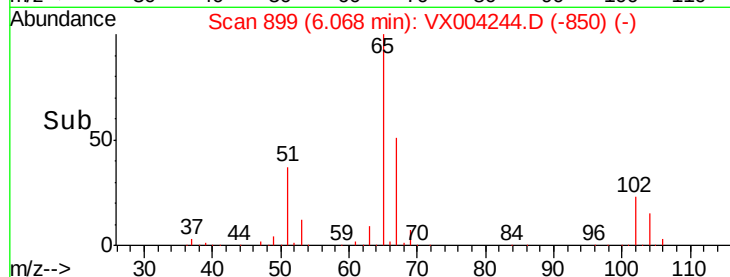
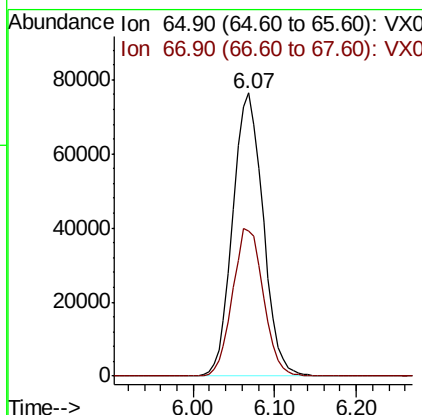
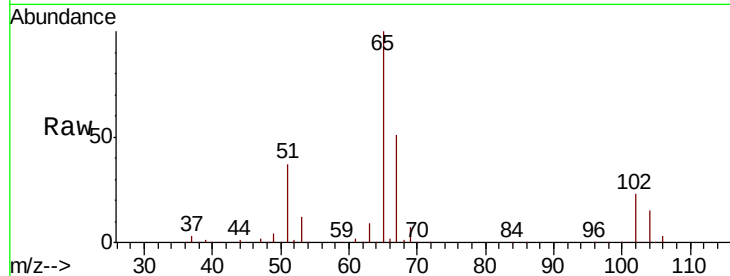




#33
 1,2-Dichloroethane-d4
 Concen: 51.39 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004244.D
 Acq: 24 Aug 2018 14:02

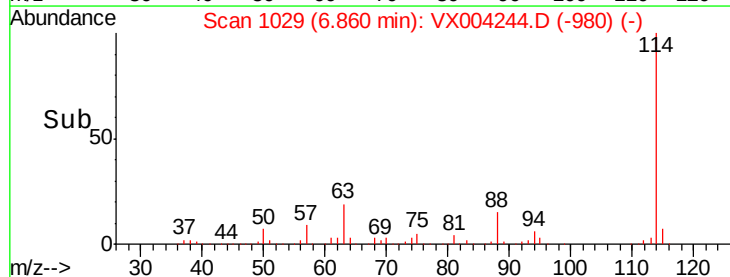
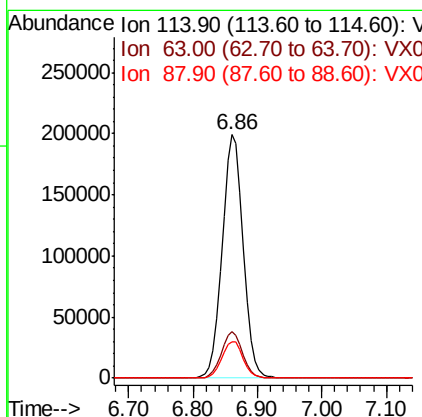
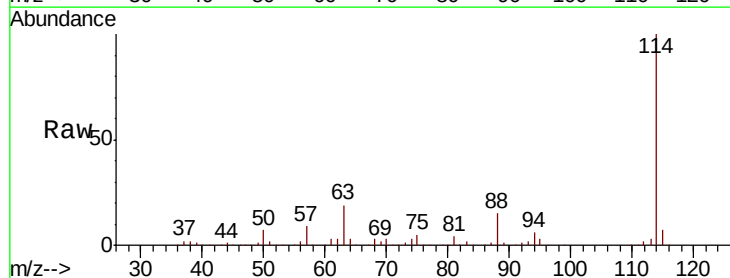
Instrument :
 MSVOA_X
 ClientSampleId :
 2727

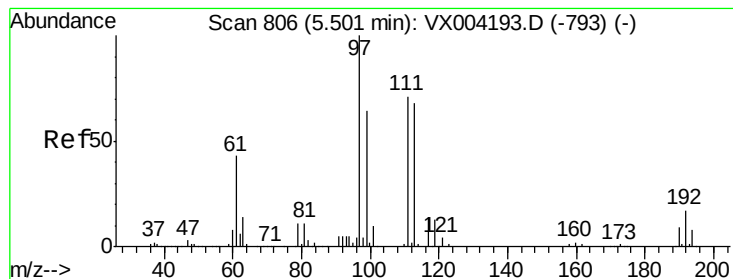
Tot Ion: 65 Resp: 196803
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004244.D
 Acq: 24 Aug 2018 14:02

Tgt Ion: 114 Resp: 459109
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 14.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.73 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

2727

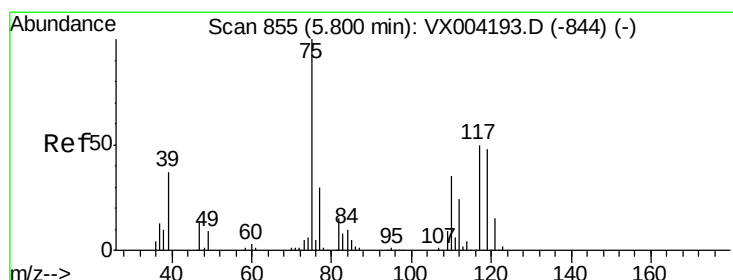
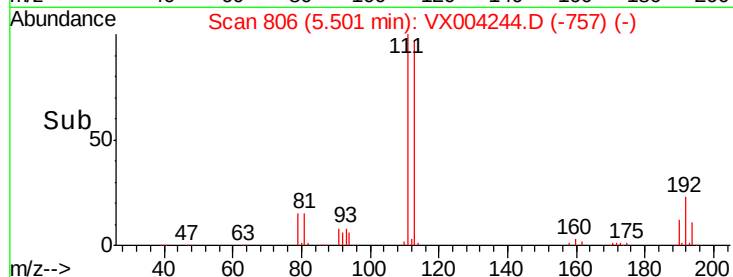
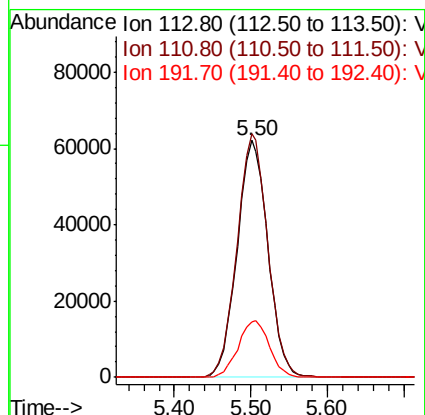
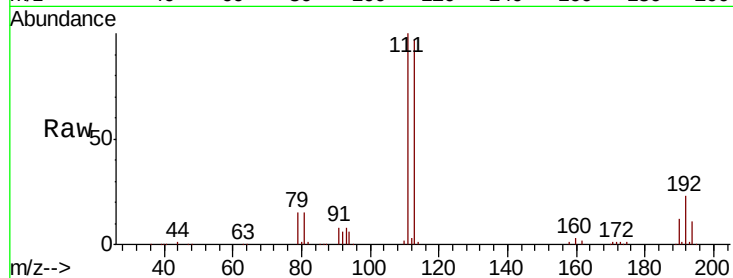
Tot Ion:113 Resp: 173276

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 24.2 19.4 29.2



#36

1,1-Dichloropropene

Concen: 3.71 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

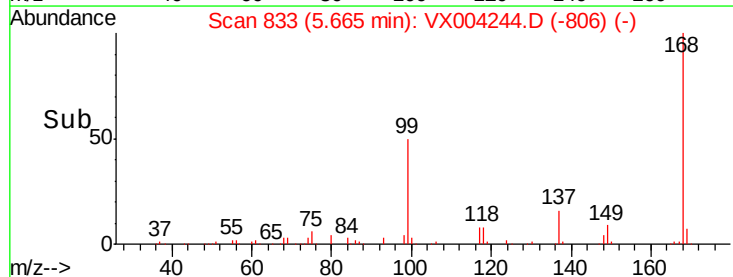
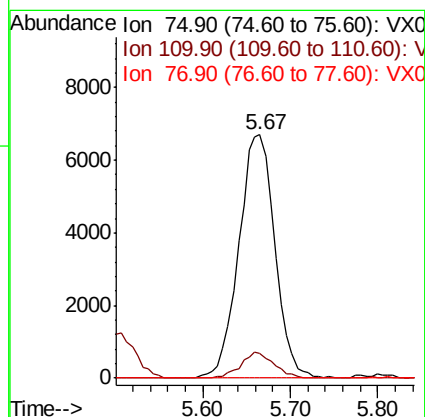
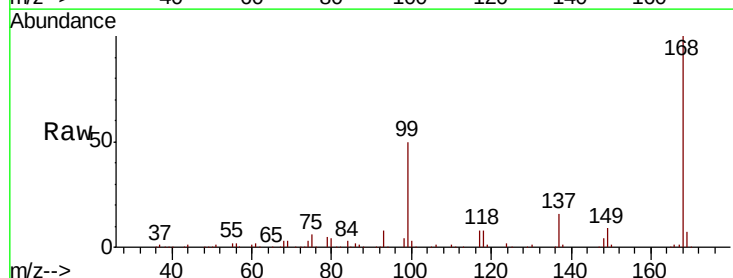
Tgt Ion: 75 Resp: 19138

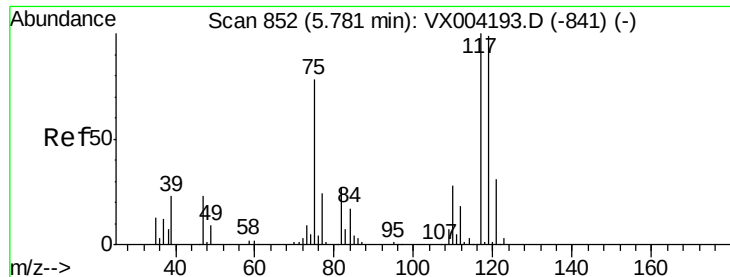
Ion Ratio Lower Upper

75 100

110 9.8 18.0 54.0#

77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

2727

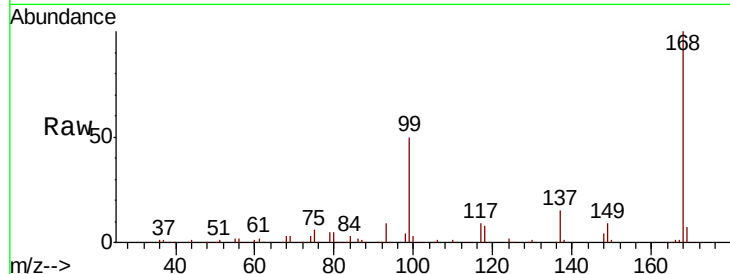
Tot Ion:117 Resp: 25329

Ion Ratio Lower Upper

117 100

119 4.3 78.8 118.2#

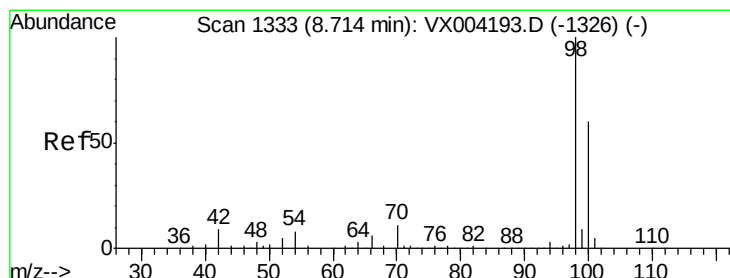
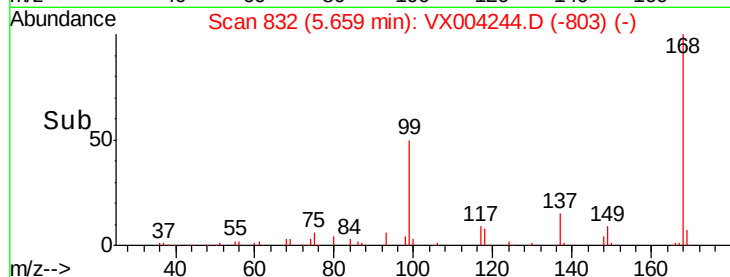
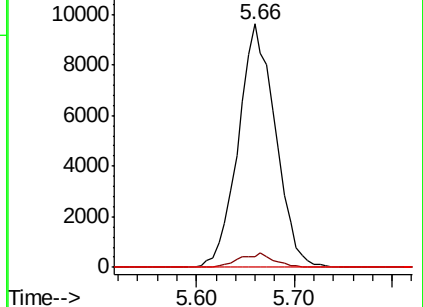
121 0.0 24.9 37.3#



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: 49.51 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004244.D

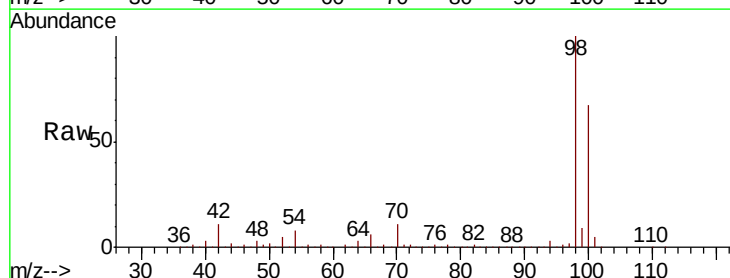
Acq: 24 Aug 2018 14:02

Tgt Ion: 98 Resp: 638334

Ion Ratio Lower Upper

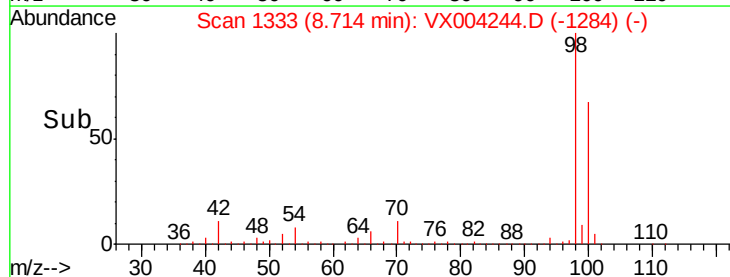
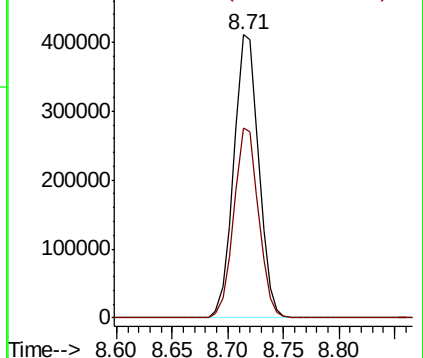
98 100

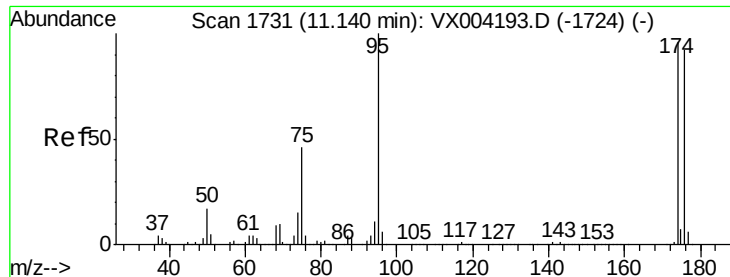
100 66.4 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

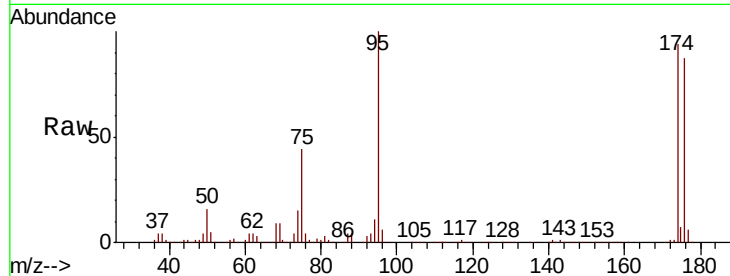




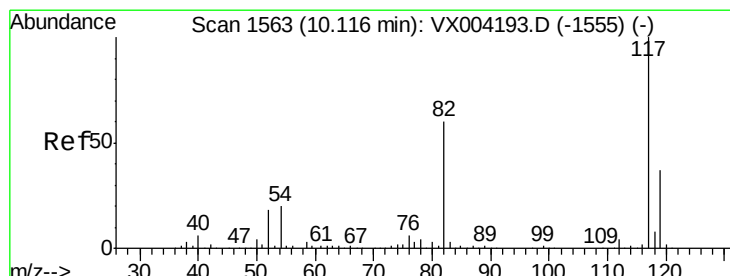
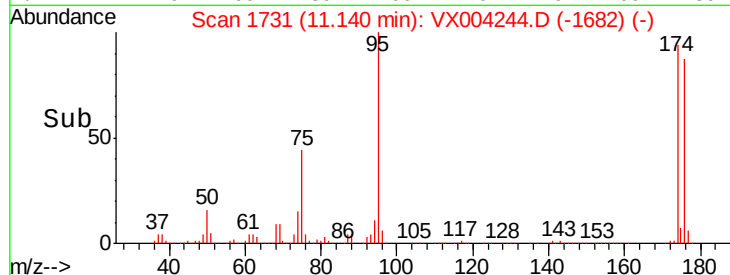
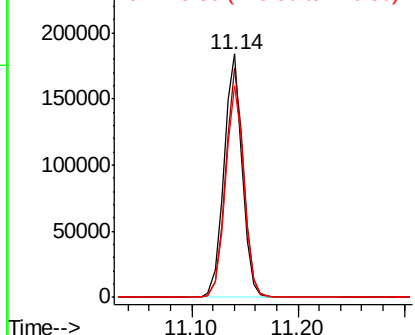
#62
4-Bromofluorobenzene
Concen: 45.64 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004244.D
Acq: 24 Aug 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
2727

Tot Ion	95	Resp	219543
Ion Ratio	Lower	Upper	
95	100		
174	94.7	0.0	185.2
176	88.4	0.0	178.6

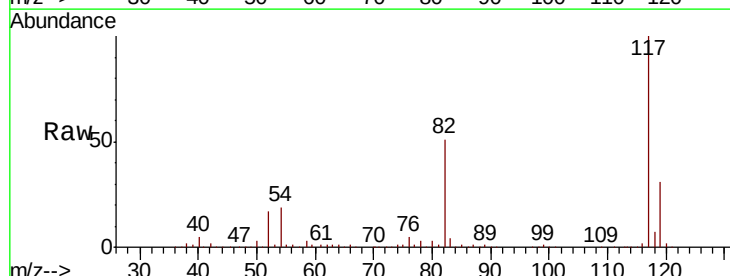


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

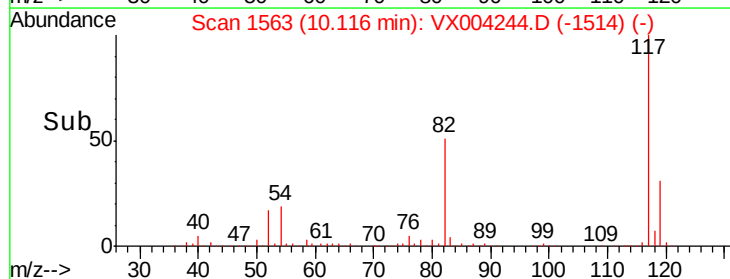
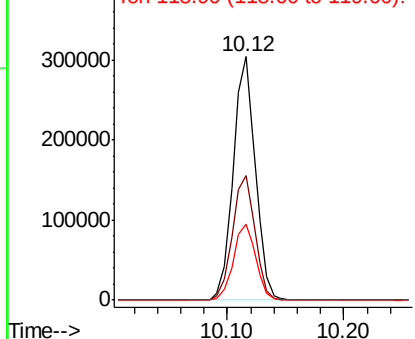


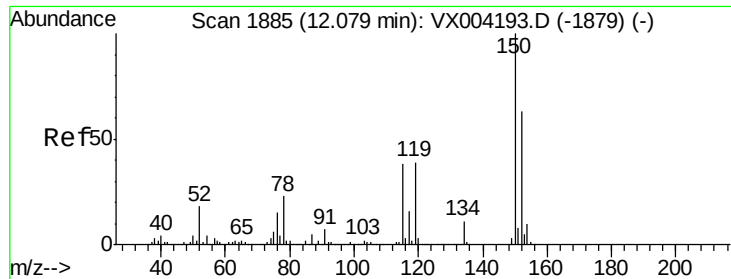
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004244.D
Acq: 24 Aug 2018 14:02

Tgt Ion	117	Resp	402777
Ion Ratio	Lower	Upper	
117	100		
82	51.2	47.8	71.6
119	31.2	29.3	43.9



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



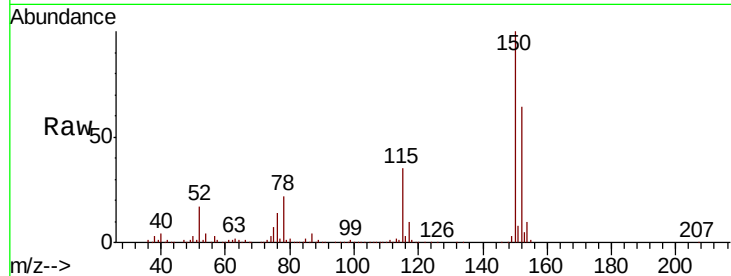


#72

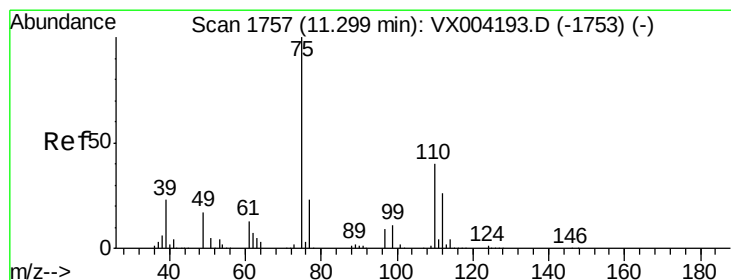
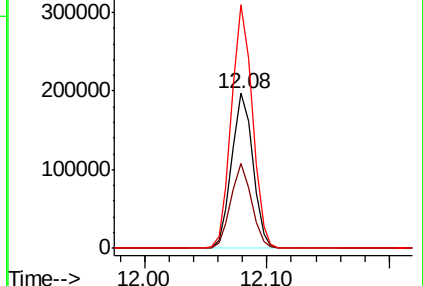
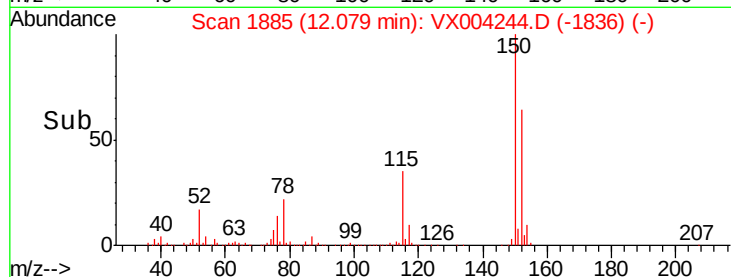
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004244.D
Acq: 24 Aug 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
2727

Tot Ion:152 Resp: 234287
Ion Ratio Lower Upper
152 100
115 53.8 39.0 117.0
150 155.6 0.0 351.0



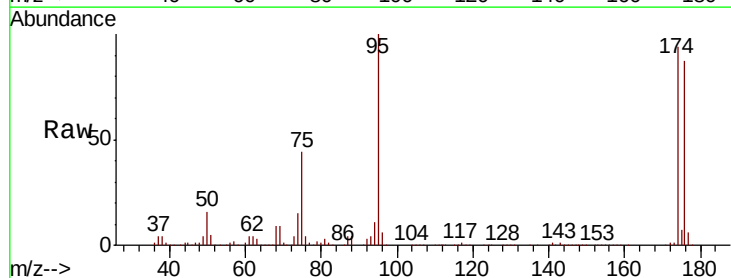
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



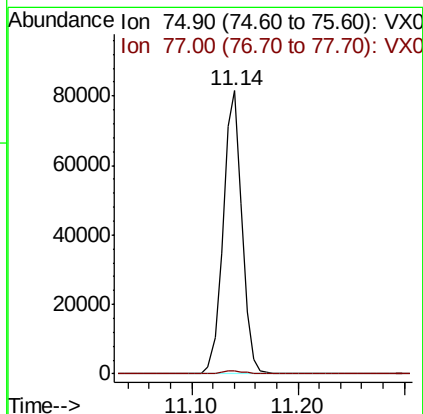
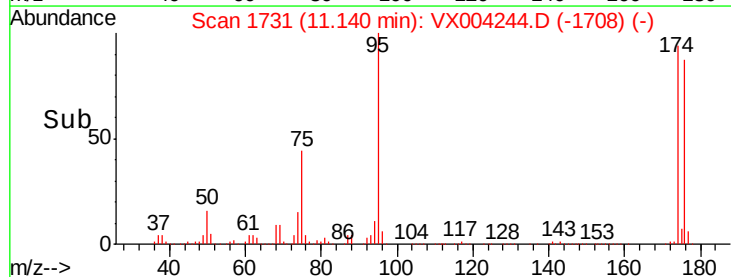
#76

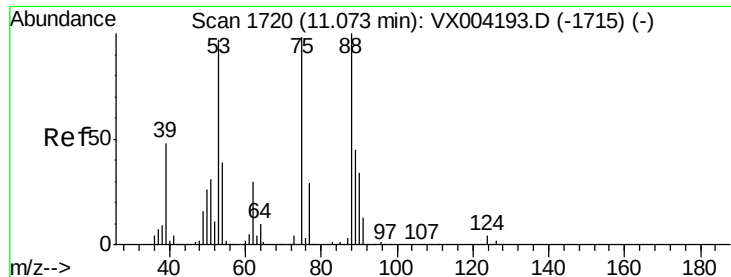
1,2,3-Trichloropropane
Concen: 21.04 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.16 min
Lab File: VX004244.D
Acq: 24 Aug 2018 14:02

Tgt Ion: 75 Resp: 100270
Ion Ratio Lower Upper
75 100
77 1.3 20.2 60.6#



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: 68.28 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004244.D

Acq: 24 Aug 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

2727

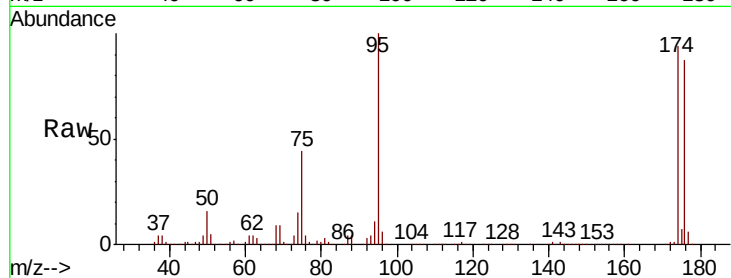
Tot Ion: 75 Resp: 100270

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

