

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082918\
 Data File : VX004279.D
 Acq On : 29 Aug 2018 09:10
 Operator : JC/MD
 Sample : VX0829MBL
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829MBL01

Quant Time: Aug 30 02:05:02 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	5.67	168	300516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	470102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	427059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238458	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	204864	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
35) Dibromofluoromethane	5.50	113	177983	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
50) Toluene-d8	8.71	98	656656	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
62) 4-Bromofluorobenzene	11.14	95	231862	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

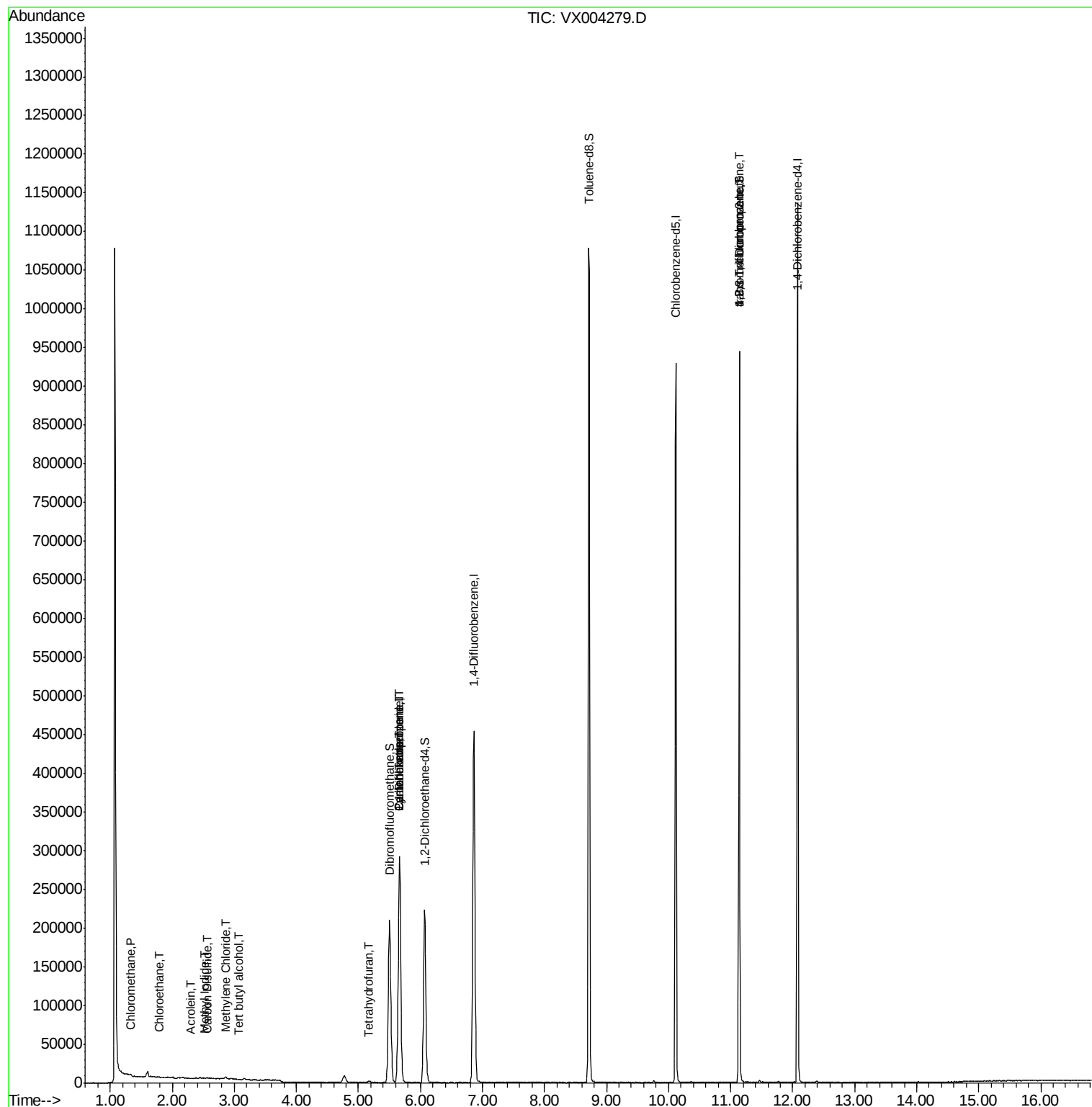
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1148	0.59	ug/l	90
5) Bromomethane	1.65	94	1360	Below Cal		96
6) Chloroethane	1.78	64	4127	2.27	ug/l #	51
10) Methyl Iodide	2.51	142	951	4.49	ug/l #	90
11) Tert butyl alcohol	3.06	59	292	0.35	ug/l #	90
13) Acrolein	2.29	56	93	0.46	ug/l #	1
16) Acetone	2.44	43	1133	Below Cal		90
17) Carbon Disulfide	2.56	76	1138	0.92	ug/l #	55
20) Methylene Chloride	2.85	84	1227	0.33	ug/l	89
25) 2-Butanone	4.71	43	139	Below Cal	#	47
29) Tetrahydrofuran	5.17	42	1640	0.97	ug/l	93
31) Cyclohexane	5.66	56	5138	0.94	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19765	3.74	ug/l #	49
38) Carbon Tetrachloride	5.66	117	26175	5.26	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	110153	22.71	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	110153	73.69	ug/l #	10
94) Hexachlorobutadiene	13.79	225	155	Below Cal	#	67

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082918\
Data File : VX004279.D
Acq On : 29 Aug 2018 09:10
Operator : JC/MD
Sample : VX0829MBL
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0829MBL01

Quant Time: Aug 30 02:05:02 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: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

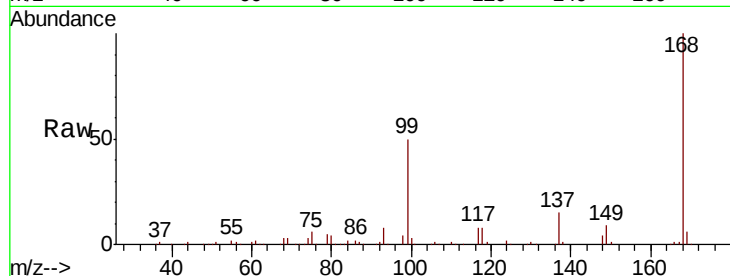
VX0829MBL01

Tot Ion:168 Resp: 300516

Ion Ratio Lower Upper

168 100

99 49.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

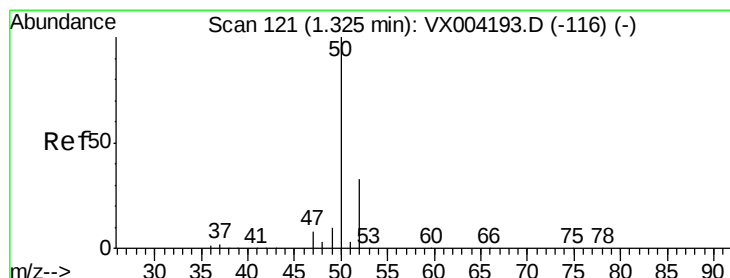
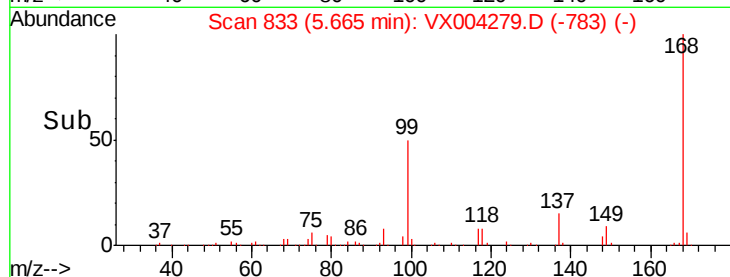
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.59 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004279.D

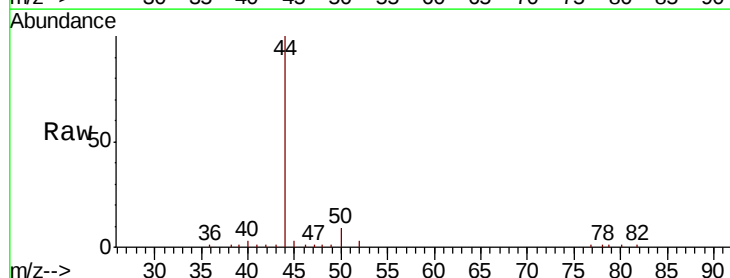
Acq: 29 Aug 2018 09:10

Tgt Ion: 50 Resp: 1148

Ion Ratio Lower Upper

50 100

52 38.4 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

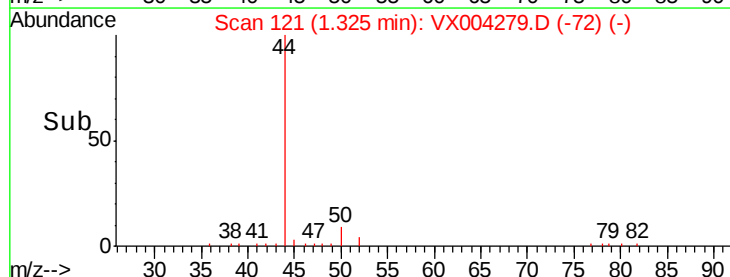
600

400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

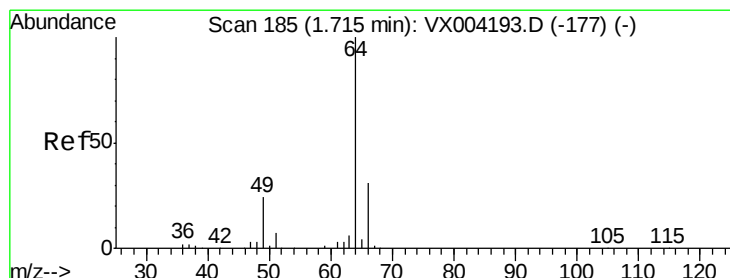
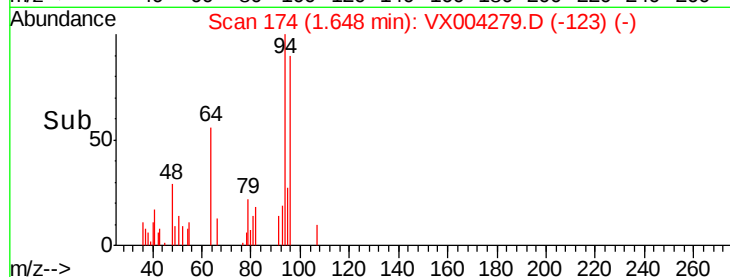
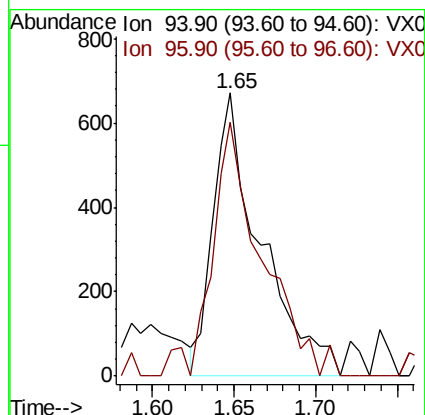
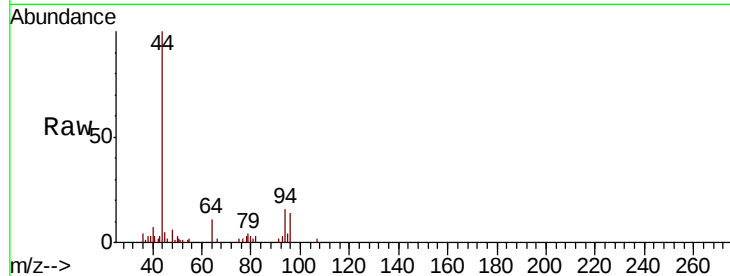
VX0829MBL01

Tot Ion: 94 Resp: 1360

Ion Ratio Lower Upper

94 100

96 89.6 74.5 111.7



#6

Chloroethane

Concen: 2.27 ug/l

RT: 1.78 min Scan# 196

Delta R.T. 0.07 min

Lab File: VX004279.D

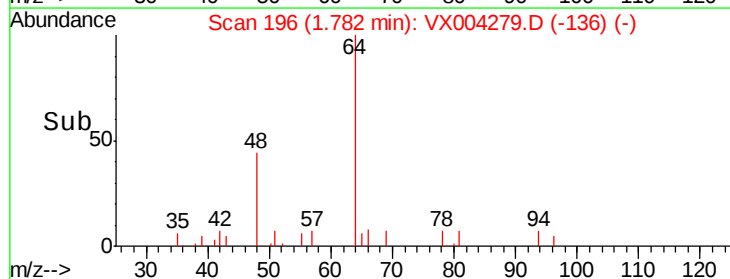
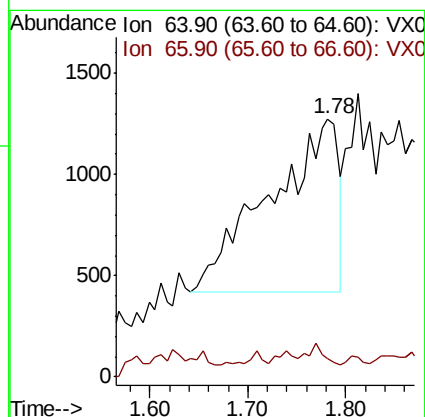
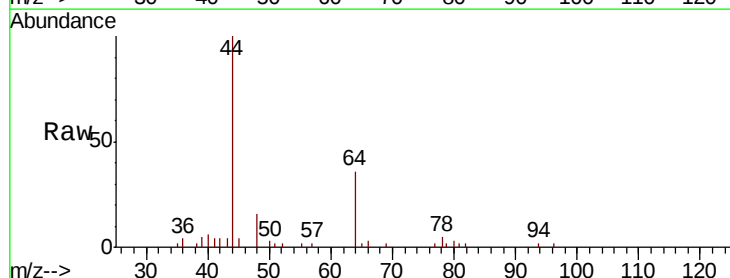
Acq: 29 Aug 2018 09:10

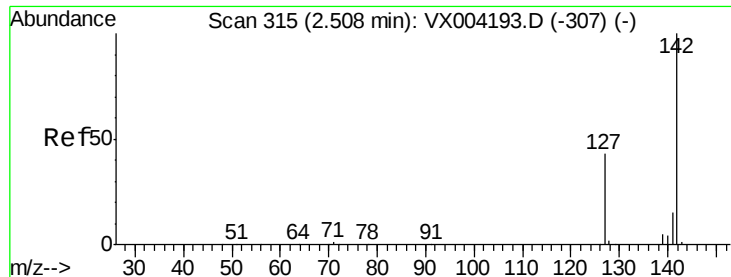
Tgt Ion: 64 Resp: 4127

Ion Ratio Lower Upper

64 100

66 4.0 24.6 36.8#

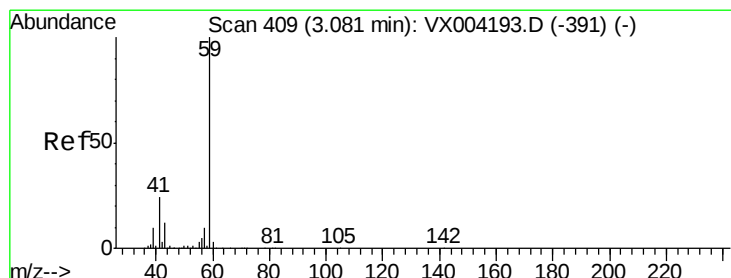
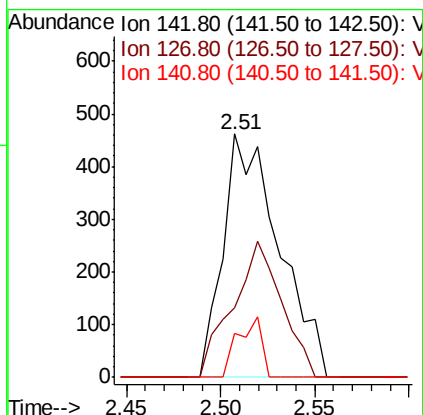
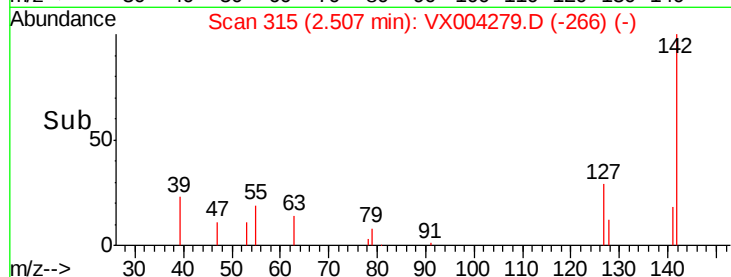
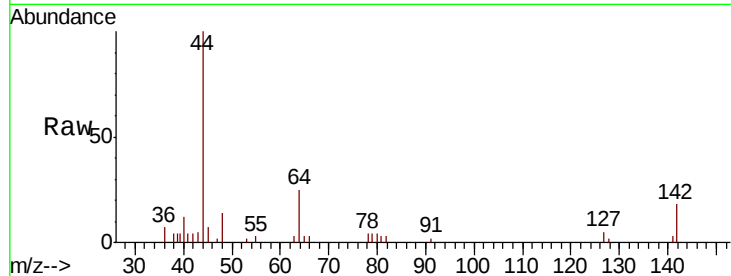




#10
Methyl Iodide
Concen: 4.49 ug/l
RT: 2.51 min Scan# 315
Delta R.T. 0.00 min
Lab File: VX004279.D
Acq: 29 Aug 2018 09:10

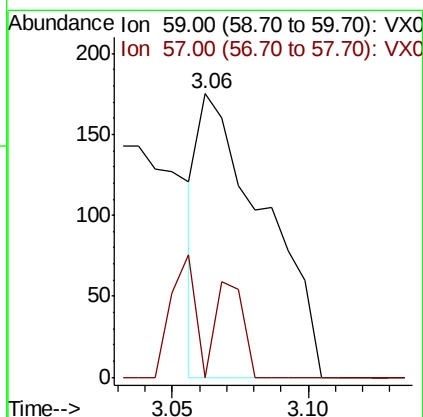
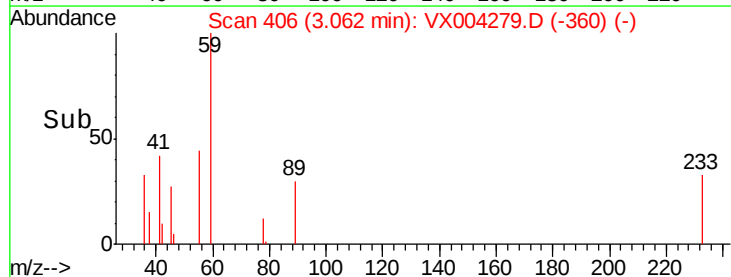
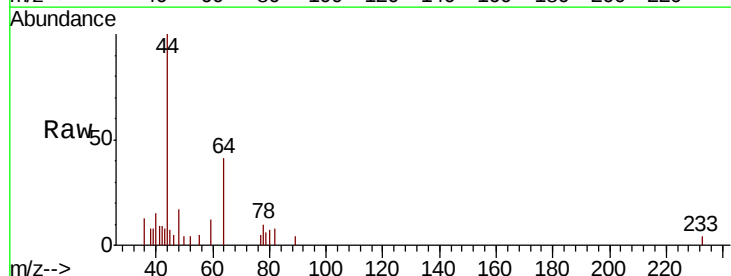
Instrument :
MSVOA_X
ClientSampled :
VX0829MBL01

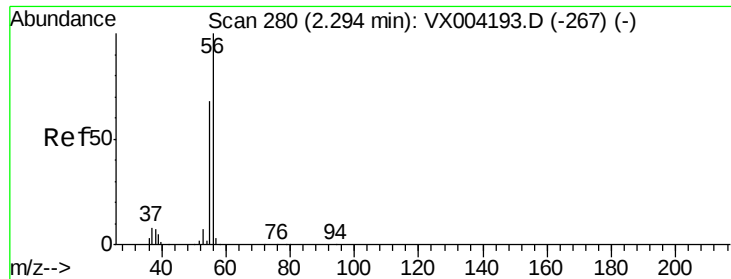
Tot Ion:142 Resp: 951
Ion Ratio Lower Upper
142 100
127 48.7 33.8 50.6
141 10.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 3.06 min Scan# 406
Delta R.T. -0.02 min
Lab File: VX004279.D
Acq: 29 Aug 2018 09:10

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 14.0 8.2 12.4#





#13

Acrolein

Concen: 0.46 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

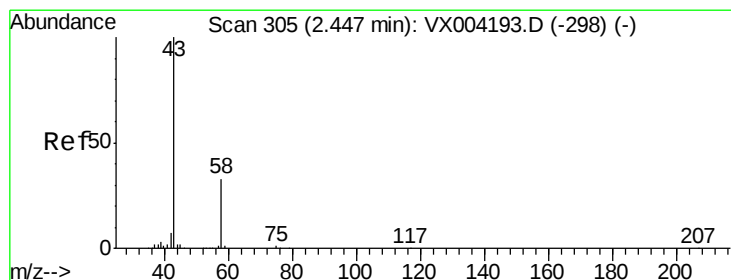
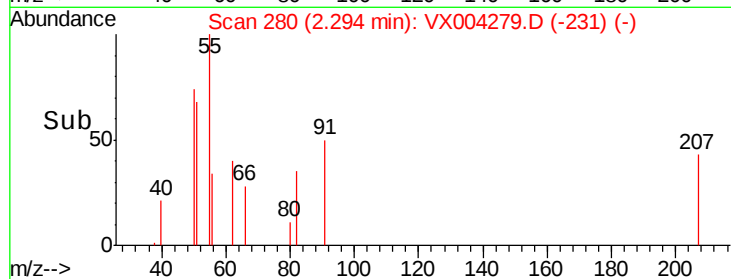
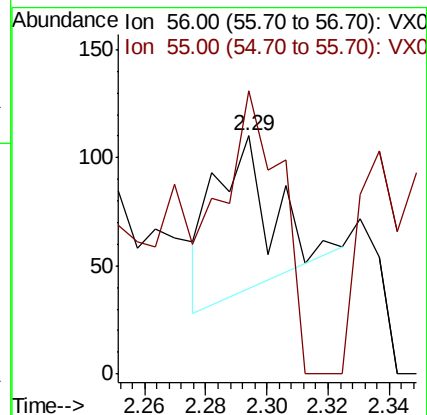
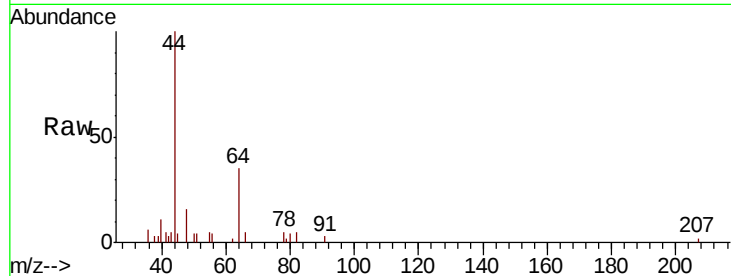
VX0829MBL01

Tot Ion: 56 Resp: 93

Ion Ratio Lower Upper

56 100

55 190.3 54.7 82.1#



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX004279.D

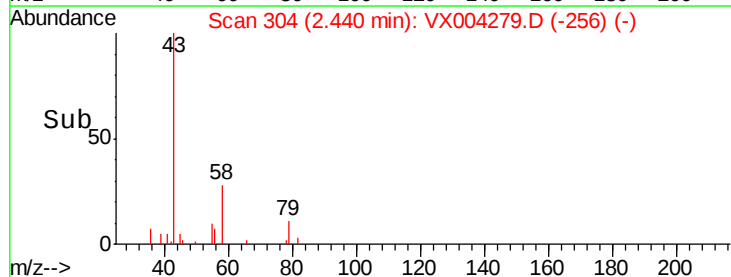
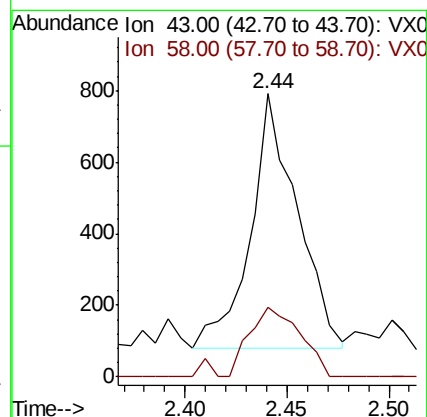
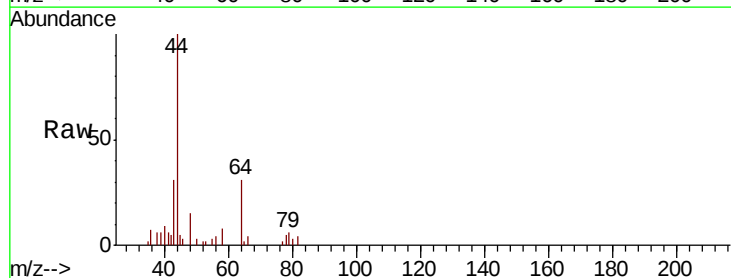
Acq: 29 Aug 2018 09:10

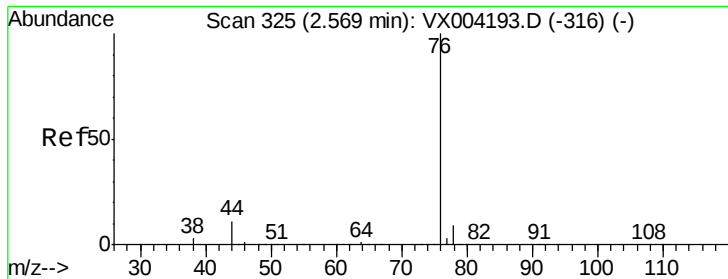
Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

58 27.3 26.2 39.4





#17

Carbon Disulfide

Concen: 0.92 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampled :

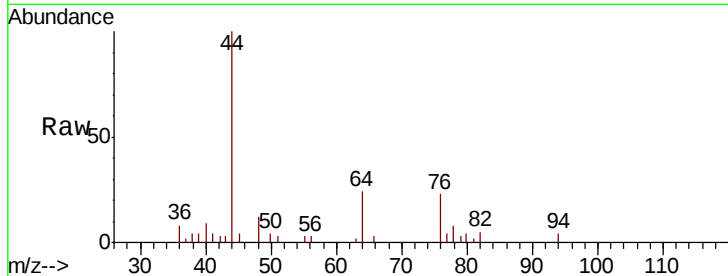
VX0829MBL01

Tot Ion: 76 Resp: 1138

Ion Ratio Lower Upper

76 100

78 25.2 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

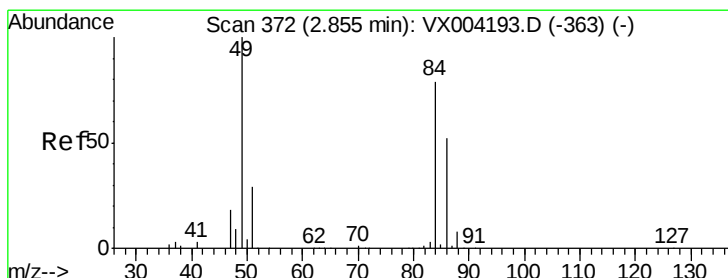
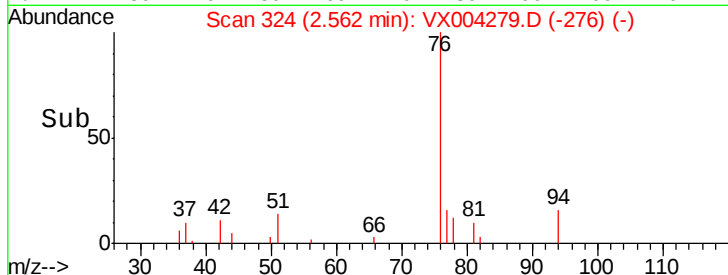
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.33 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Tgt Ion: 84 Resp: 1227

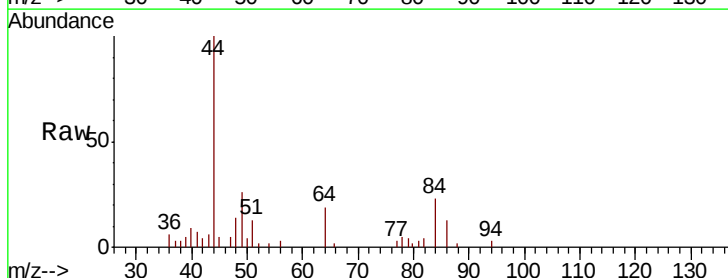
Ion Ratio Lower Upper

84 100

49 113.5 101.2 151.8

51 43.3 29.5 44.3

86 56.4 52.3 78.5



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

1000

800

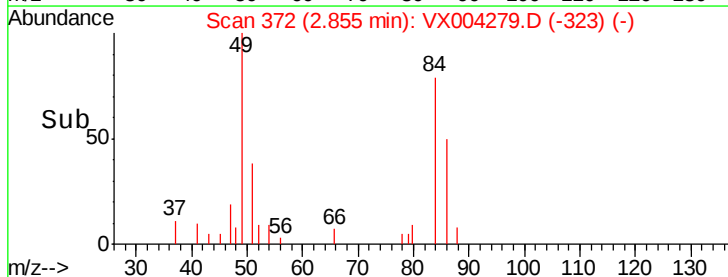
600

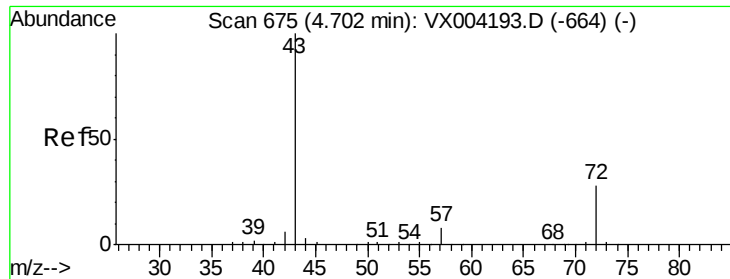
400

200

0

Time-->





#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

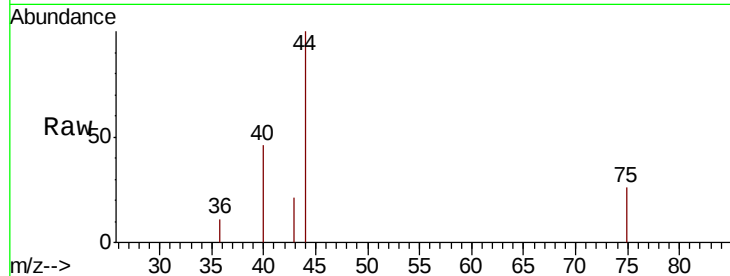
VX0829MBL01

Tot Ion: 43 Resp: 139

Ion Ratio Lower Upper

43 100

72 0.0 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

120

100

80

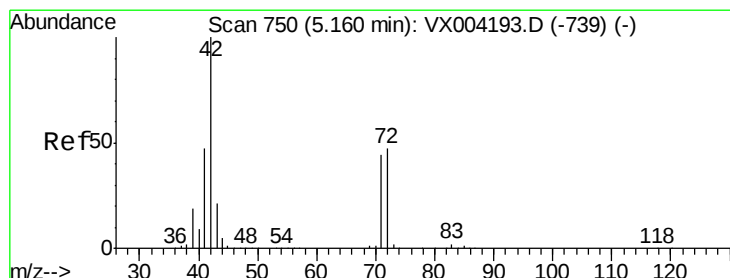
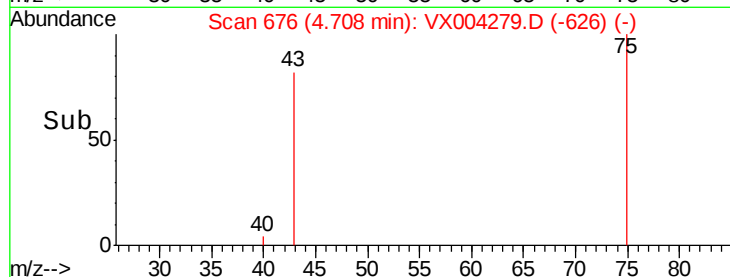
60

40

20

0

Time-->



#29

Tetrahydrofuran

Concen: 0.97 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

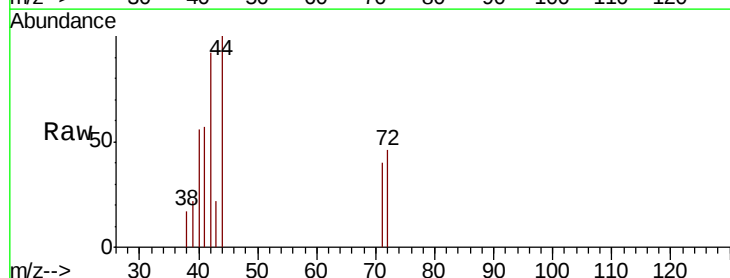
Tgt Ion: 42 Resp: 1640

Ion Ratio Lower Upper

42 100

72 42.4 37.4 56.0

71 38.1 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

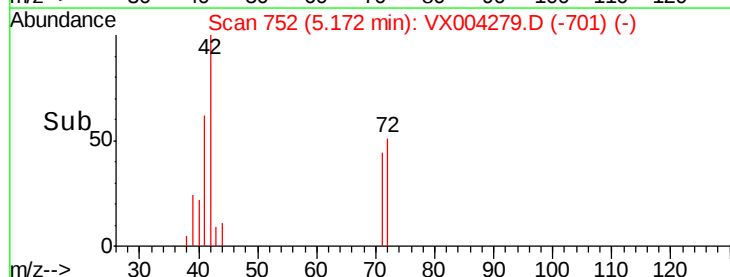
600

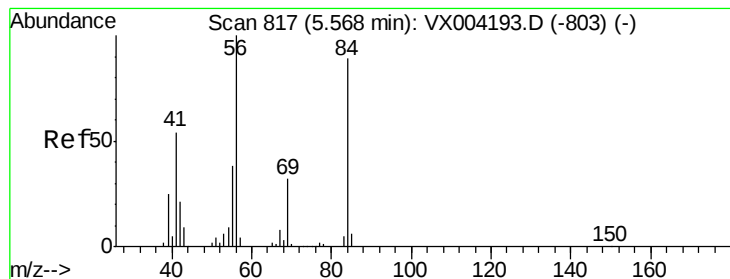
400

200

0

Time-->





#31

Cyclohexane

Concen: 0.94 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

VX0829MBL01

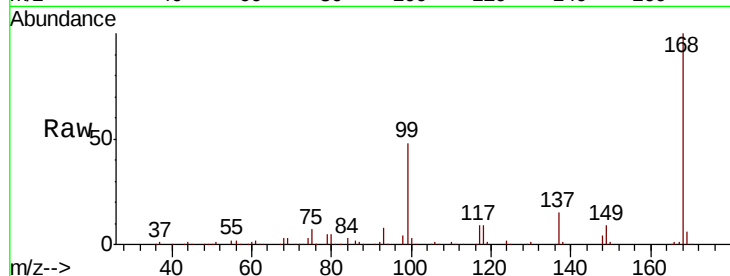
Tot Ion: 56 Resp: 5138

Ion Ratio Lower Upper

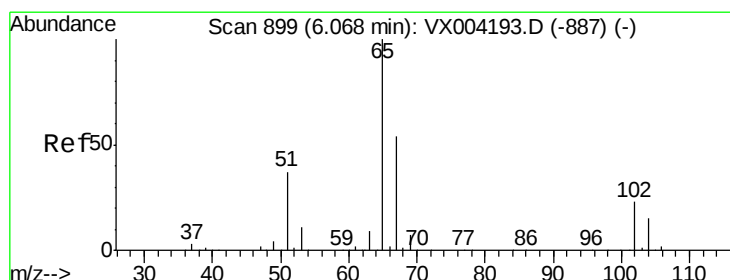
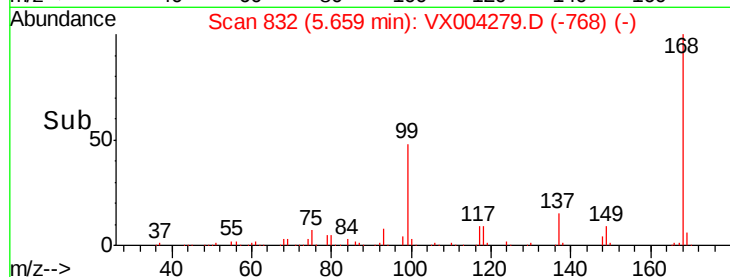
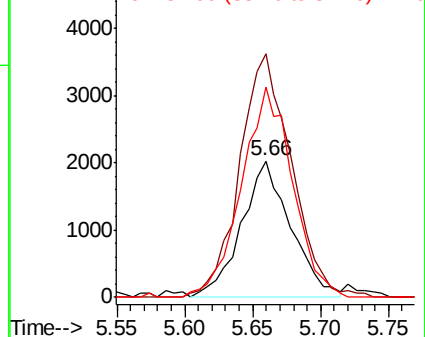
56 100

69 175.4 25.4 38.2#

84 151.1 71.4 107.2#



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: 52.30 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.00 min

Lab File: VX004279.D

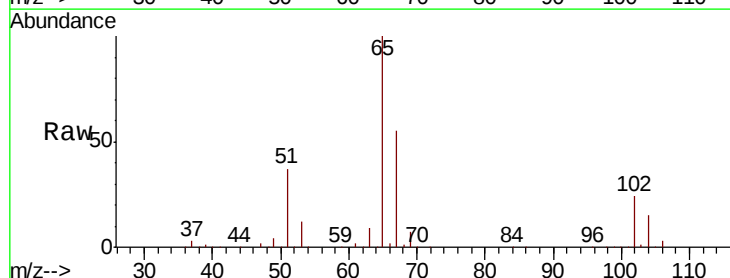
Acq: 29 Aug 2018 09:10

Tgt Ion: 65 Resp: 204864

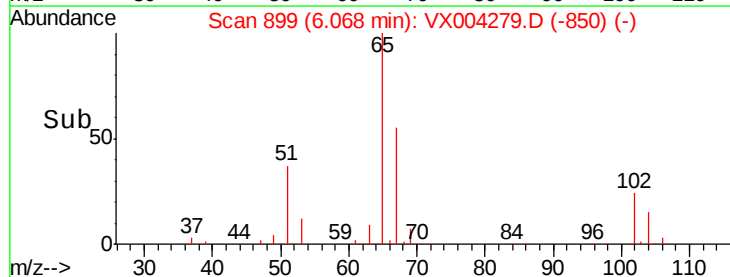
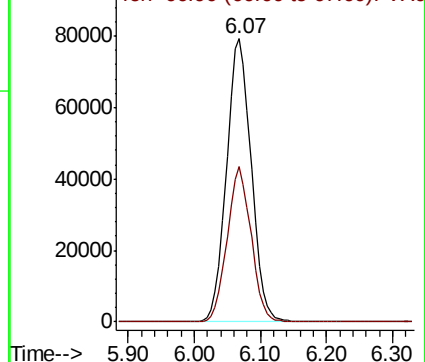
Ion Ratio Lower Upper

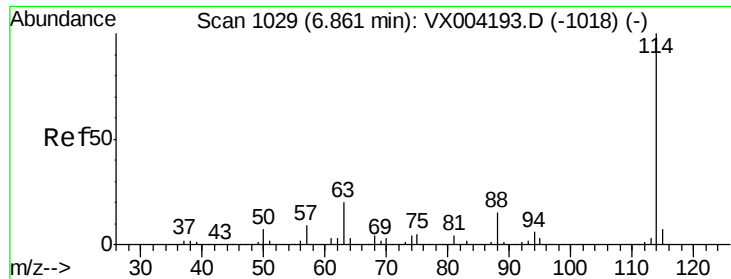
65 100

67 52.8 0.0 106.8



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: 6.86 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

VX0829MBL01

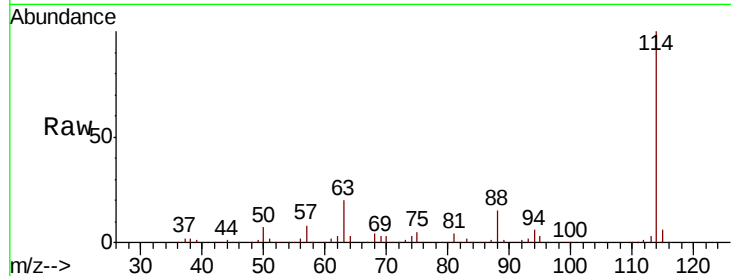
Tot Ion:114 Resp: 470102

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.0

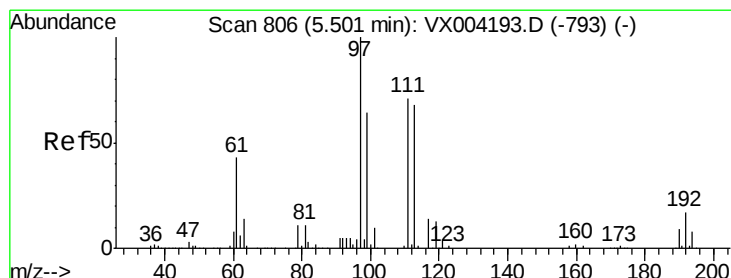
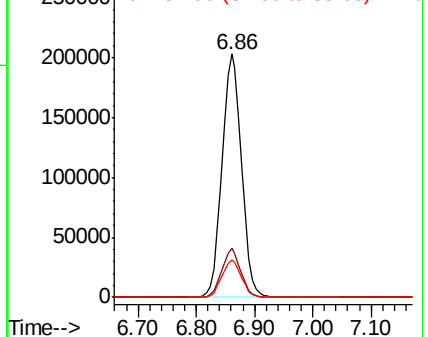
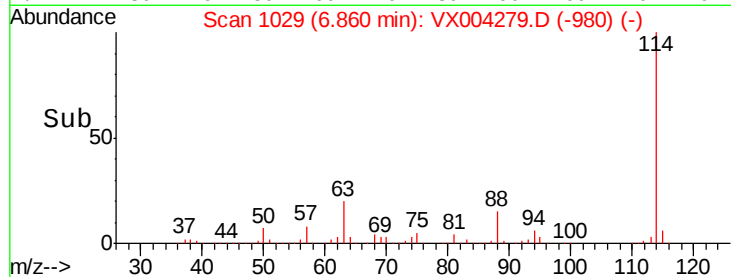
88 15.4 0.0 30.4



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: 50.89 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

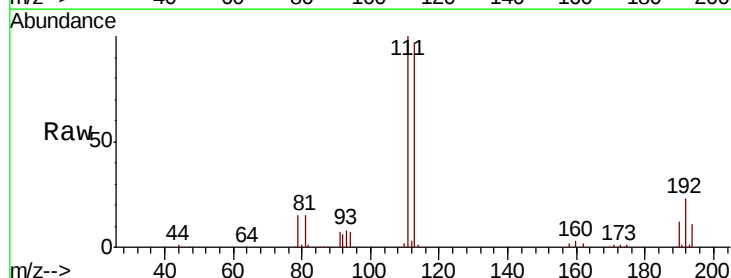
Tgt Ion:113 Resp: 177983

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

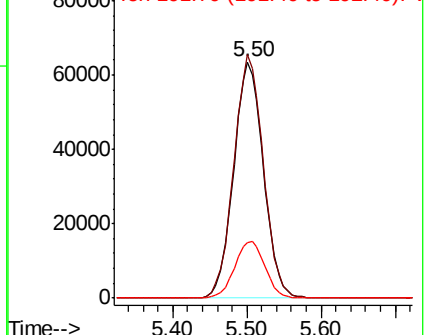
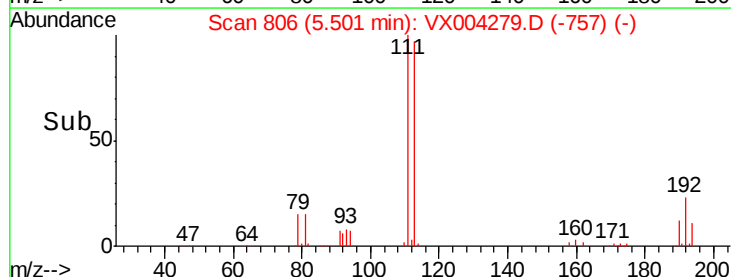
192 24.4 19.4 29.2

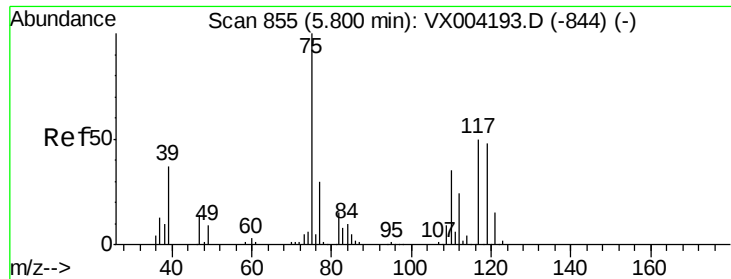


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

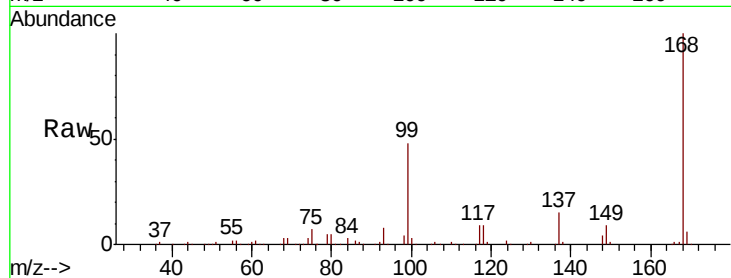




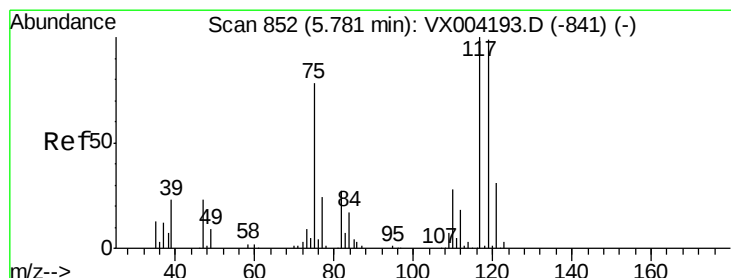
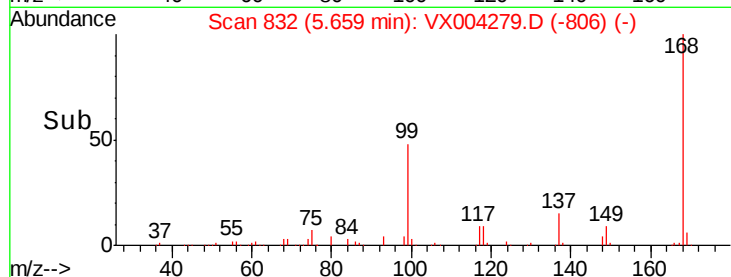
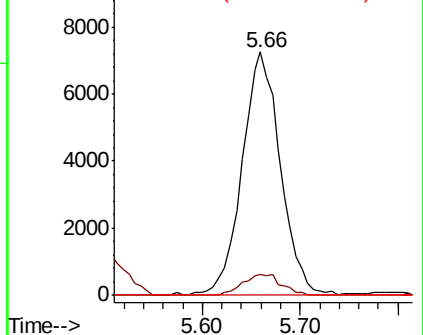
#36
 1,1-Dichloropropene
 Concen: 3.74 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004279.D
 Acq: 29 Aug 2018 09:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829MBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.0	54.0#
77	0.0	24.6	36.8#

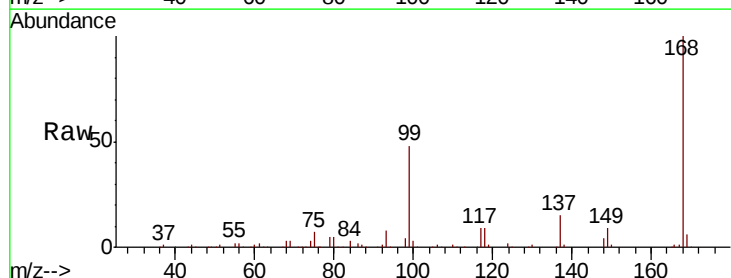


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

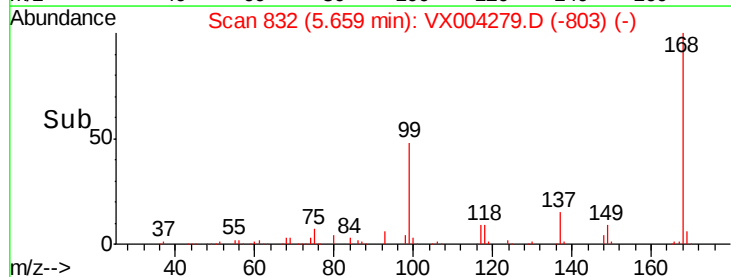
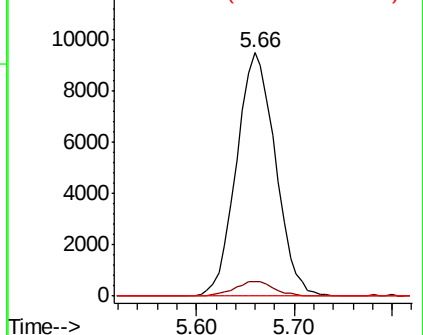


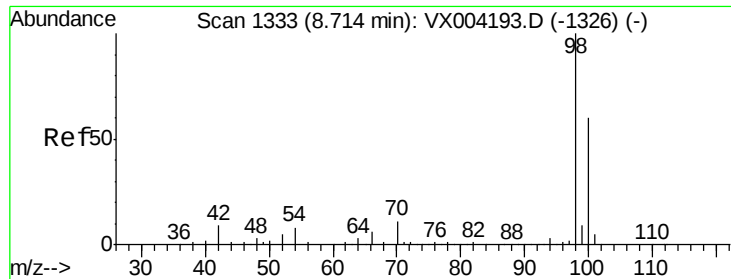
#38
 Carbon Tetrachloride
 Concen: 5.26 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX004279.D
 Acq: 29 Aug 2018 09:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	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

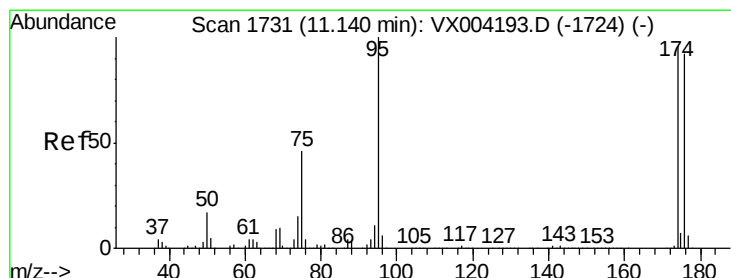
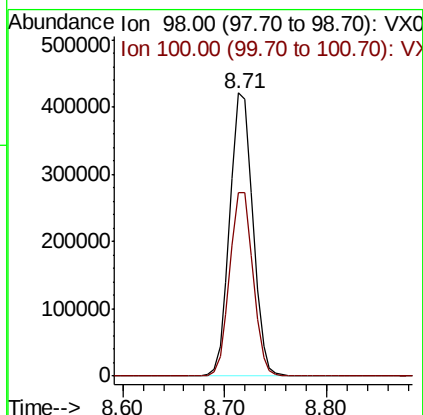
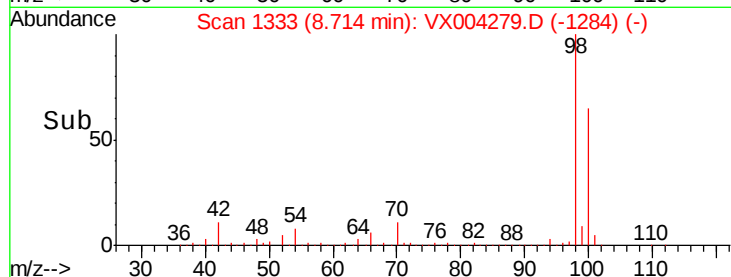
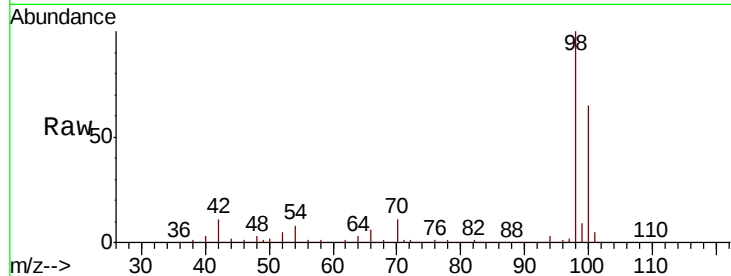




#50
Toluene-d8
Concen: 49.74 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004279.D
Acq: 29 Aug 2018 09:10

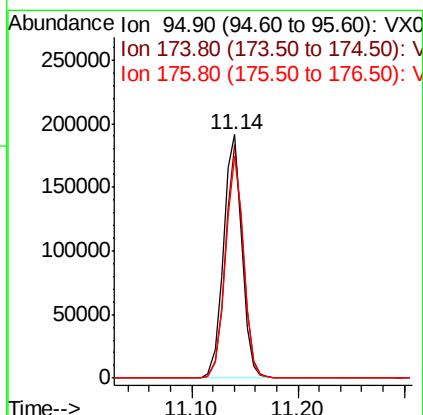
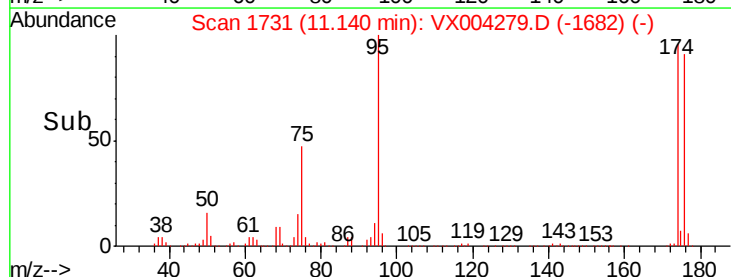
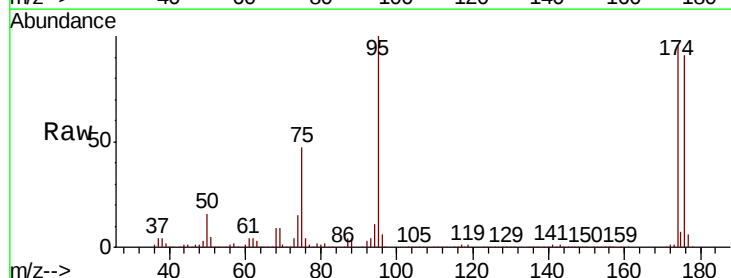
Instrument :
MSVOA_X
ClientSampleId :
VX0829MBL01

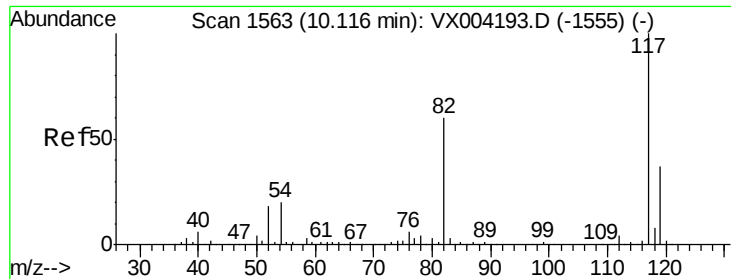
Tot Ion: 98 Resp: 656656
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 47.07 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004279.D
Acq: 29 Aug 2018 09:10

Tgt Ion: 95 Resp: 231862
Ion Ratio Lower Upper
95 100
174 92.9 0.0 185.2
176 90.1 0.0 178.6

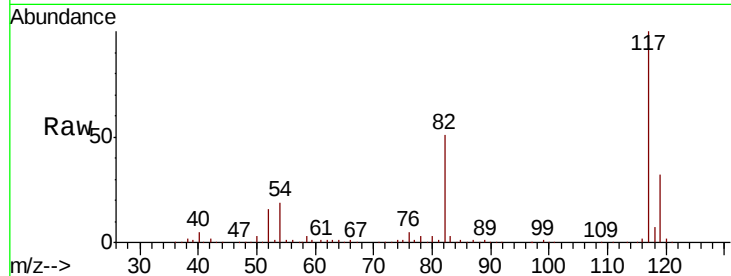




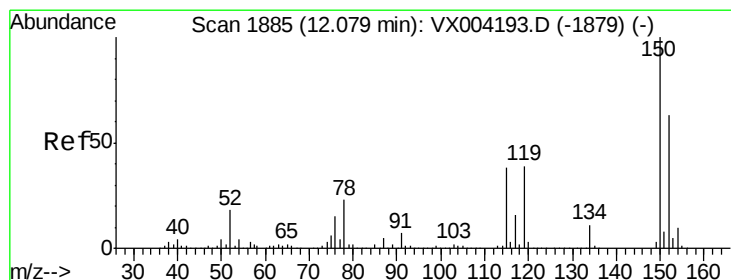
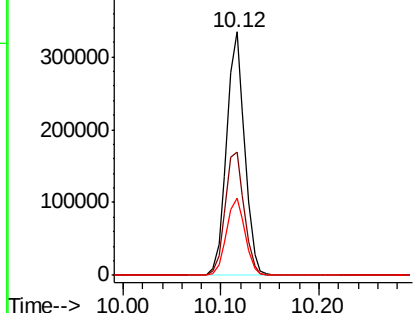
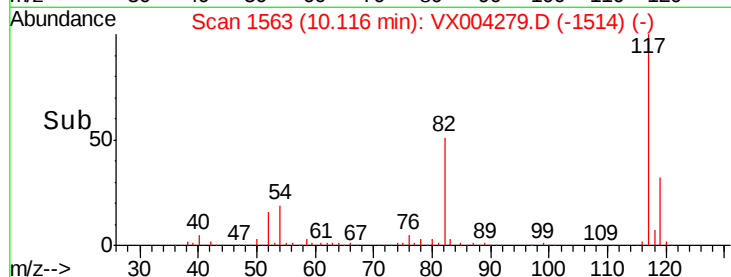
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004279.D
Acq: 29 Aug 2018 09:10

Instrument :
MSVOA_X
ClientSampled :
VX0829MBL01

Tot Ion:117 Resp: 427059
Ion Ratio Lower Upper
117 100
82 50.9 47.8 71.6
119 31.8 29.3 43.9

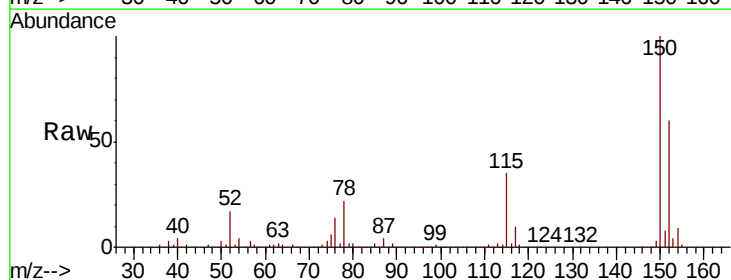


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

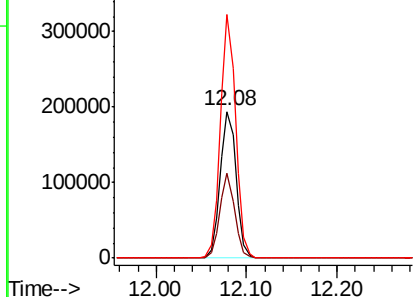
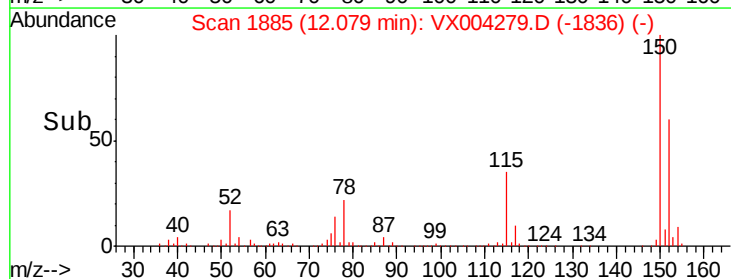


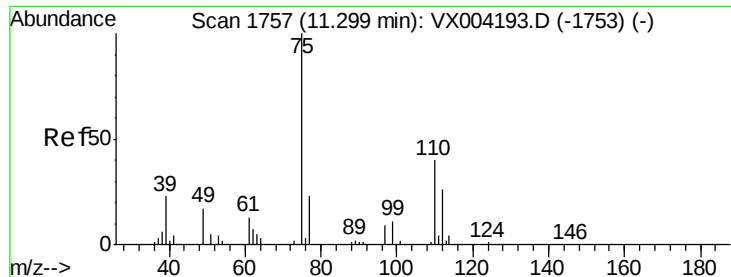
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004279.D
Acq: 29 Aug 2018 09:10

Tgt Ion:152 Resp: 238458
Ion Ratio Lower Upper
152 100
115 54.4 39.0 117.0
150 158.9 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: 22.71 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

Instrument :

MSVOA_X

ClientSampleId :

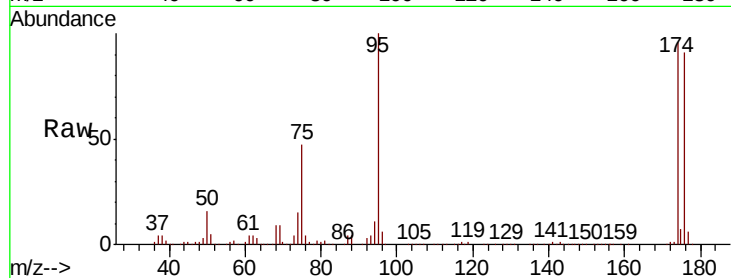
VX0829MBL01

Tot Ion: 75 Resp: 110153

Ion Ratio Lower Upper

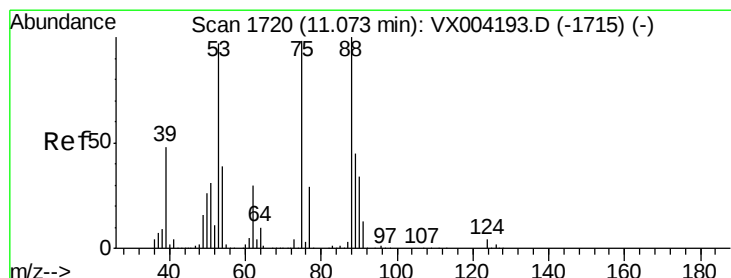
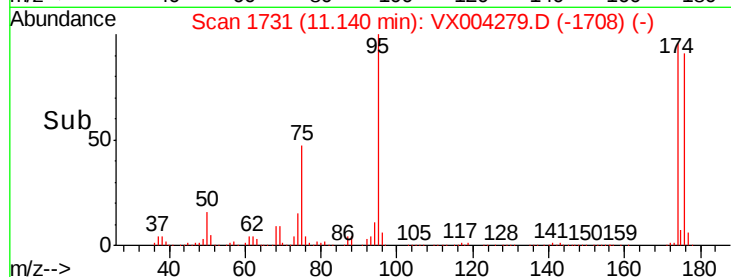
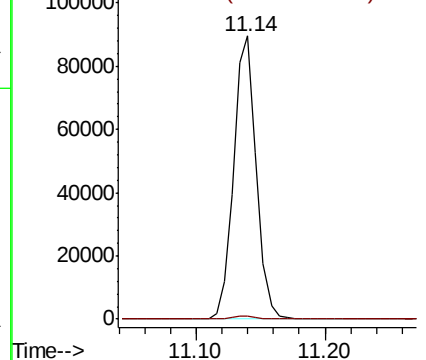
75 100

77 1.4 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: 73.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004279.D

Acq: 29 Aug 2018 09:10

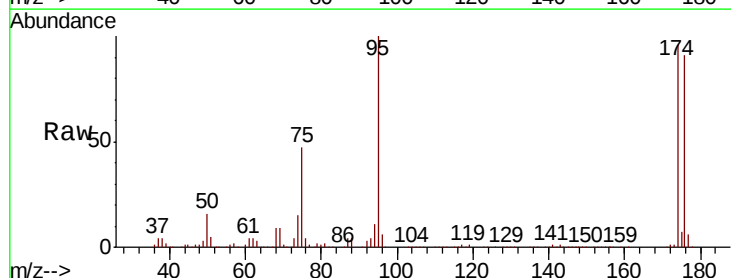
Tgt Ion: 75 Resp: 110153

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

