

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004330.D
 Acq On : 31 Aug 2018 17:00
 Operator : JC/MD
 Sample : VX0831MBL01
 Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBL01

Quant Time: Sep 01 04:30:19 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	265520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	397100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	193972	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	
35) Dibromofluoromethane	5.50	113	167065	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
50) Toluene-d8	8.71	98	607841	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	11.14	95	210031	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

Target Compounds

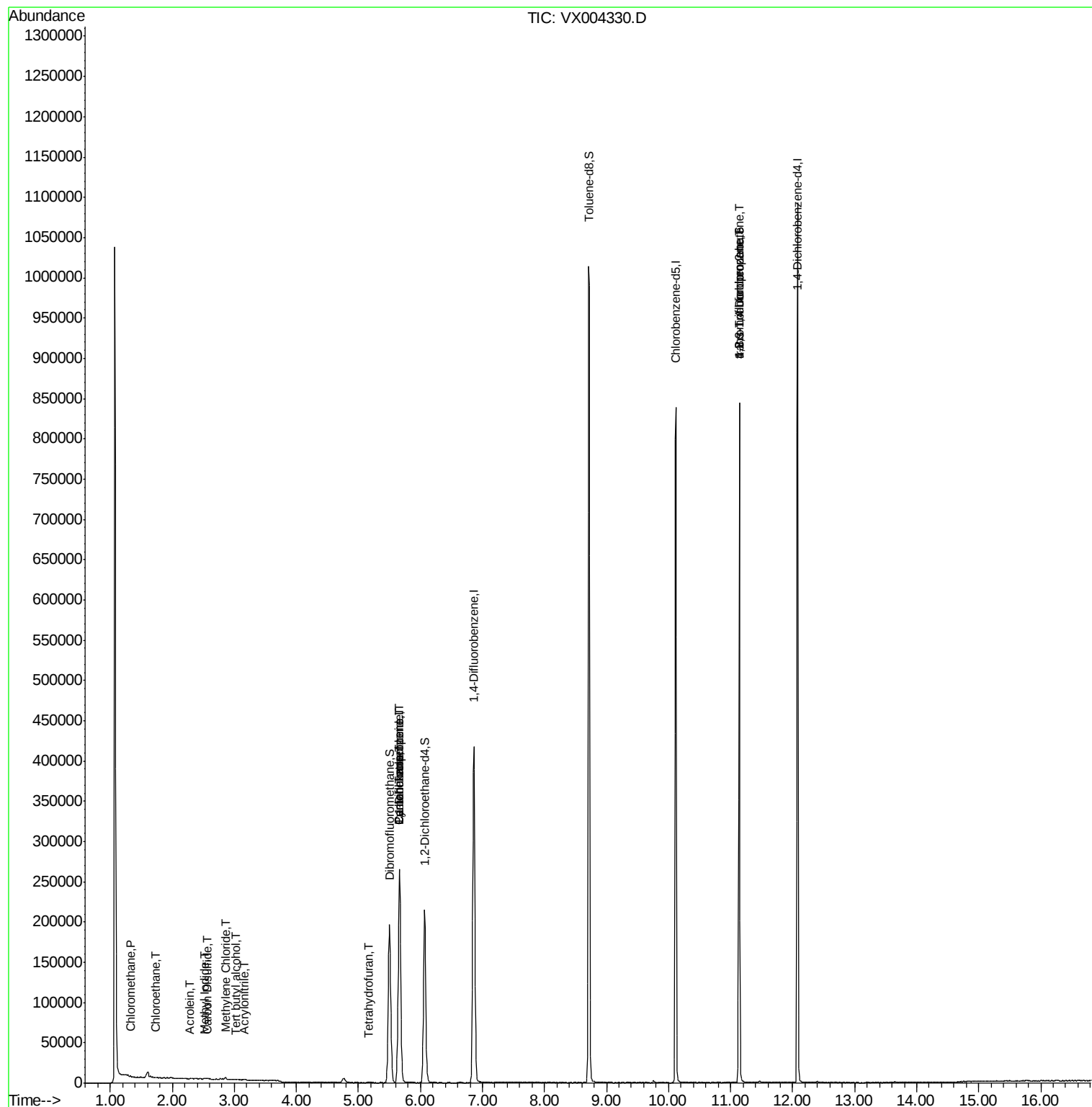
						Qvalue
3) Chloromethane	1.32	50	859	0.54	ug/l #	71
5) Bromomethane	1.64	94	1263	Below	Cal	99
6) Chloroethane	1.73	64	4741	2.66	ug/l #	63
10) Methyl Iodide	2.52	142	1228	4.60	ug/l #	95
11) Tert butyl alcohol	3.02	59	383	0.52	ug/l #	72
13) Acrolein	2.29	56	220	1.24	ug/l #	52
15) Acrylonitrile	3.15	53	421	0.23	ug/l #	74
16) Acetone	2.45	43	757	Below	Cal #	81
17) Carbon Disulfide	2.56	76	965	0.92	ug/l #	45
20) Methylene Chloride	2.85	84	1053	0.32	ug/l #	83
25) 2-Butanone	4.70	43	153	Below	Cal #	47
29) Tetrahydrofuran	5.16	42	660	0.44	ug/l #	50
31) Cyclohexane	5.66	56	4812	0.99	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17467	3.65	ug/l #	49
38) Carbon Tetrachloride	5.66	117	23549	5.23	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	100382	21.74	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	100382	70.54	ug/l #	10
94) Hexachlorobutadiene	13.78	225	176	Below	Cal	87

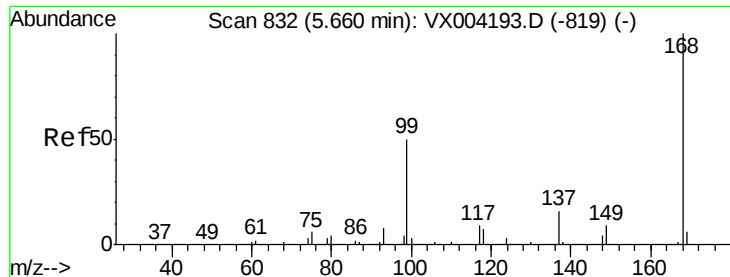
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 01 04:30:19 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: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

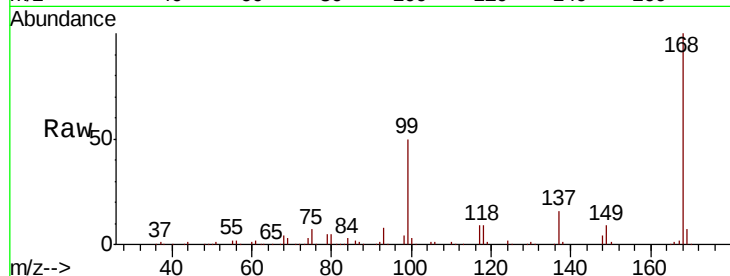
VX0831MBL01

Tot Ion:168 Resp: 265520

Ion Ratio Lower Upper

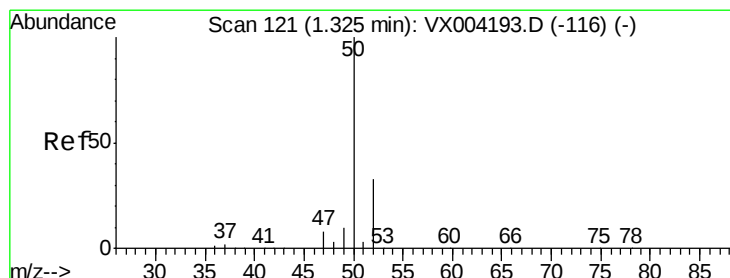
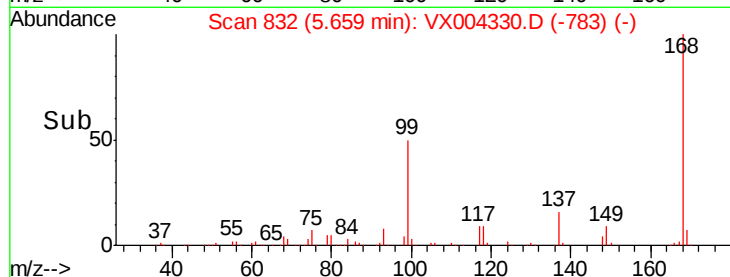
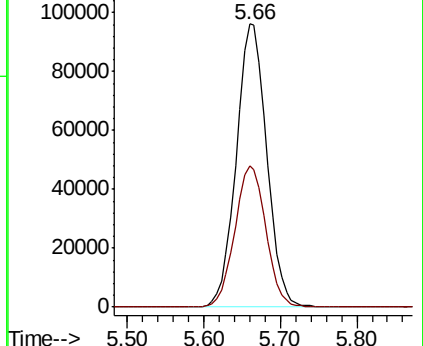
168 100

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



#3

Chloromethane

Concen: 0.54 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004330.D

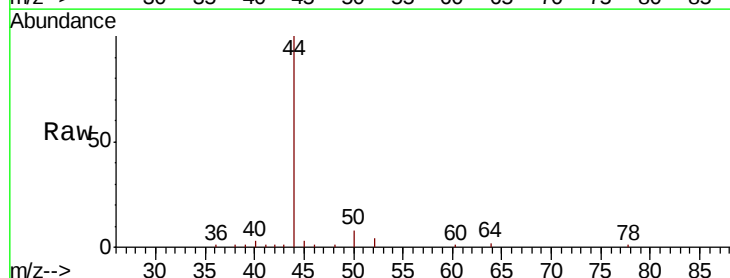
Acq: 31 Aug 2018 17:00

Tgt Ion: 50 Resp: 859

Ion Ratio Lower Upper

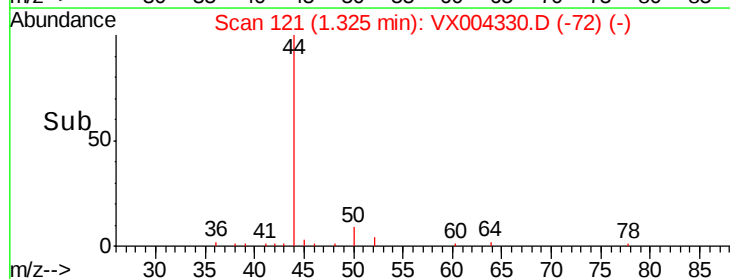
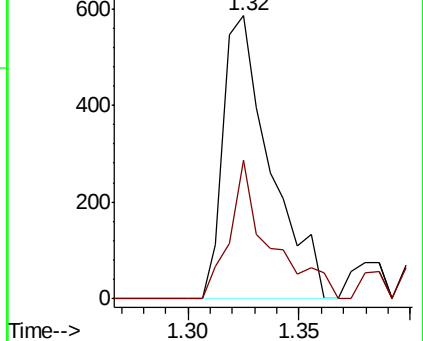
50 100

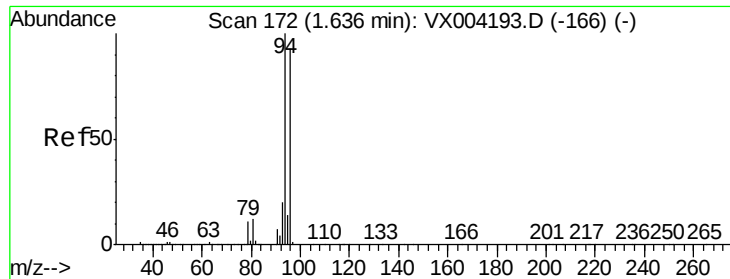
52 49.1 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

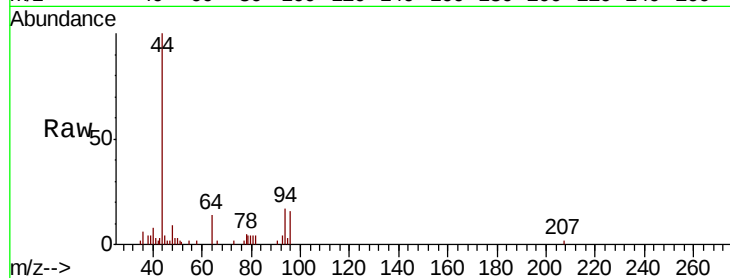
VX0831MBL01

Tot Ion: 94 Resp: 1263

Ion Ratio Lower Upper

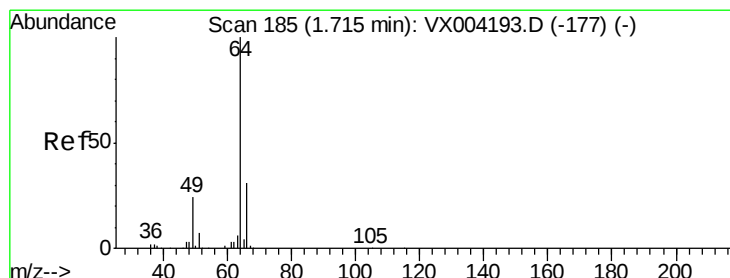
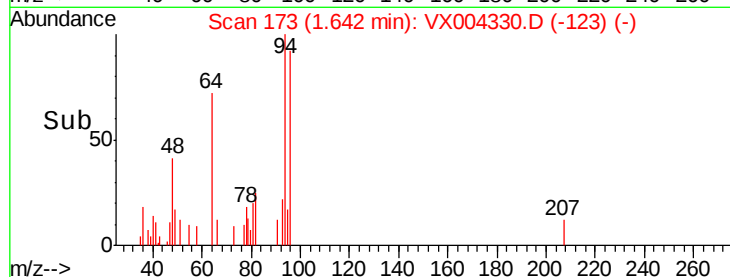
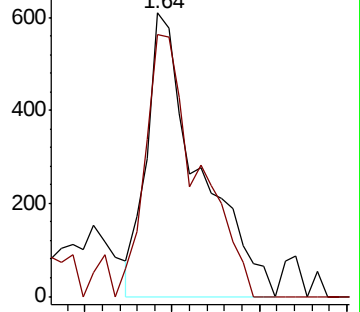
94 100

96 92.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 2.66 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.02 min

Lab File: VX004330.D

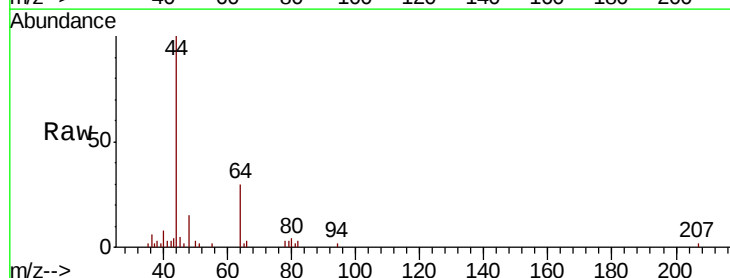
Acq: 31 Aug 2018 17:00

Tgt Ion: 64 Resp: 4741

Ion Ratio Lower Upper

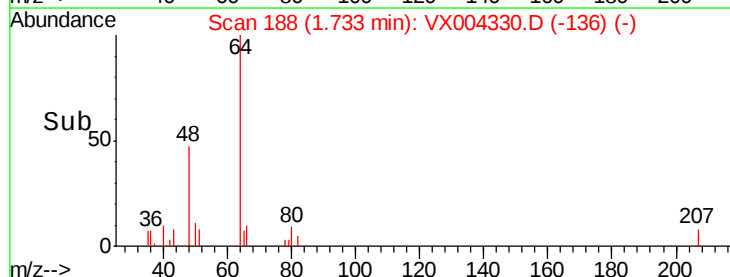
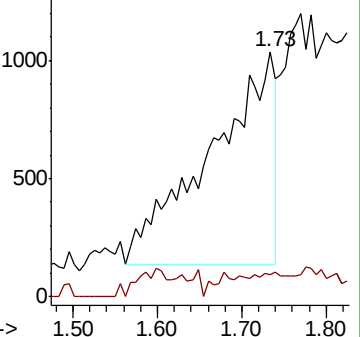
64 100

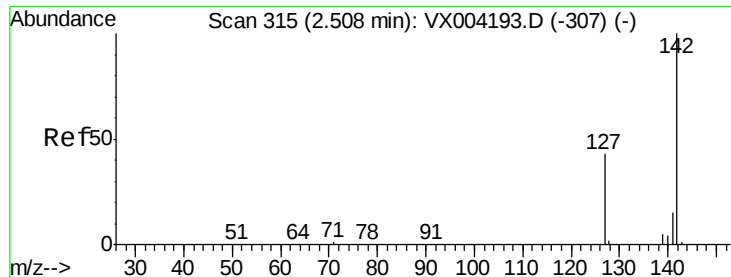
66 10.6 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

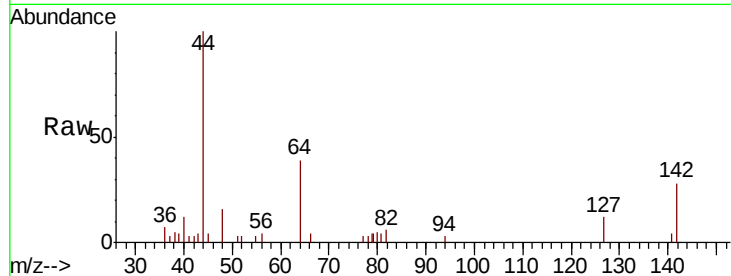




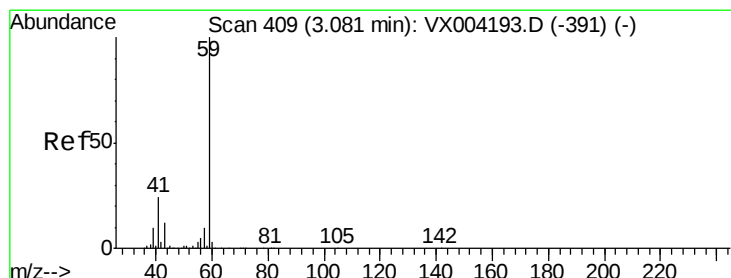
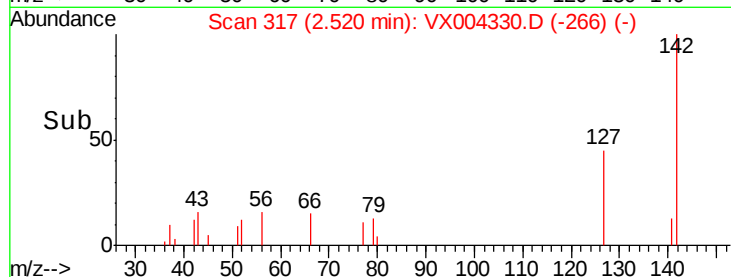
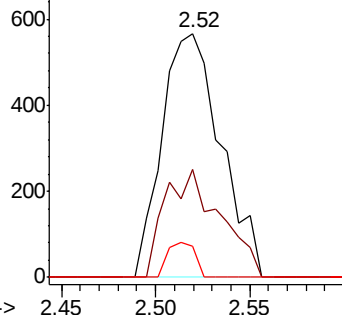
#10
Methvl Iodide
Concen: 4.60 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004330.D
Acq: 31 Aug 2018 17:00

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBL01

Tot Ion:142 Resp: 1228
Ion Ratio Lower Upper
142 100
127 41.7 33.8 50.6
141 6.7 11.4 17.0#

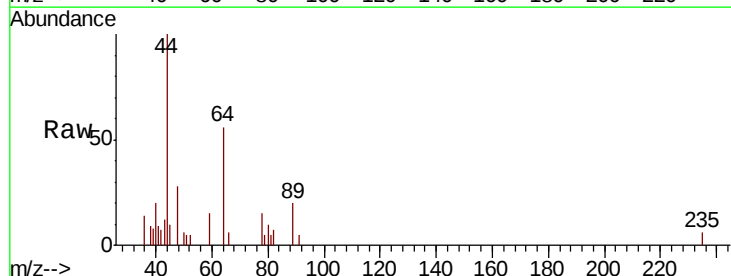


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

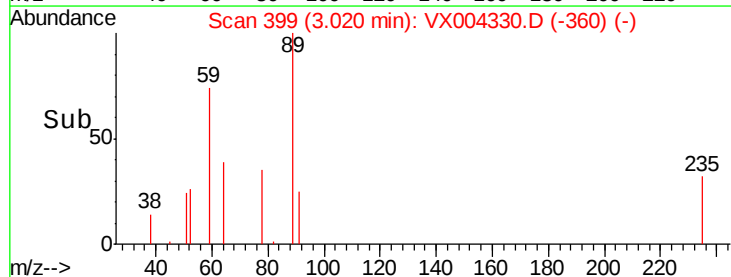
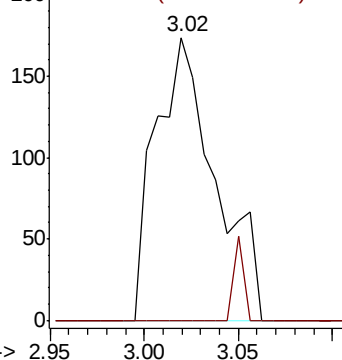


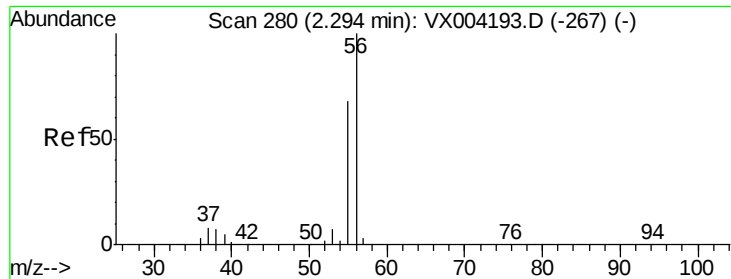
#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.02 min Scan# 399
Delta R.T. -0.06 min
Lab File: VX004330.D
Acq: 31 Aug 2018 17:00

Tgt Ion: 59 Resp: 383
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.24 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampled :

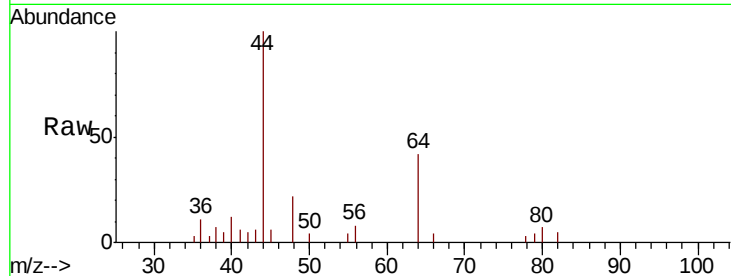
VX0831MBL01

Tot Ion: 56 Resp: 220

Ion Ratio Lower Upper

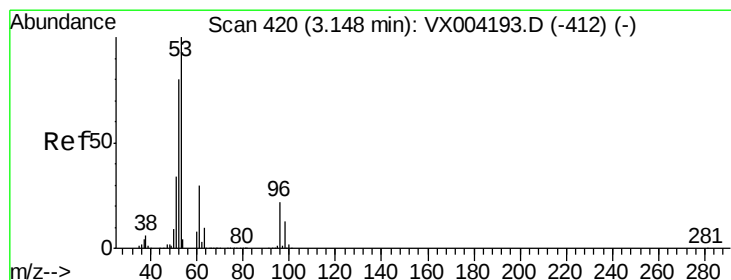
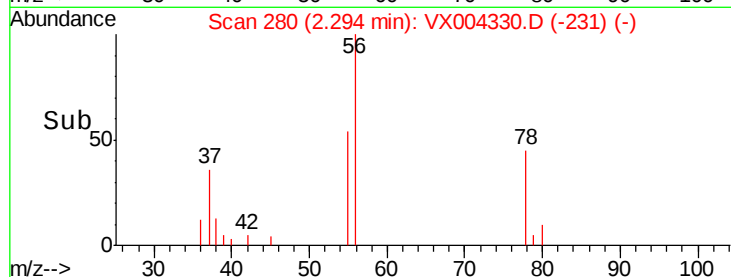
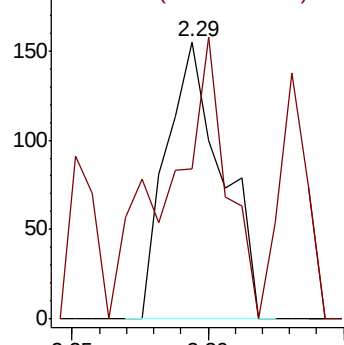
56 100

55 107.3 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.01 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

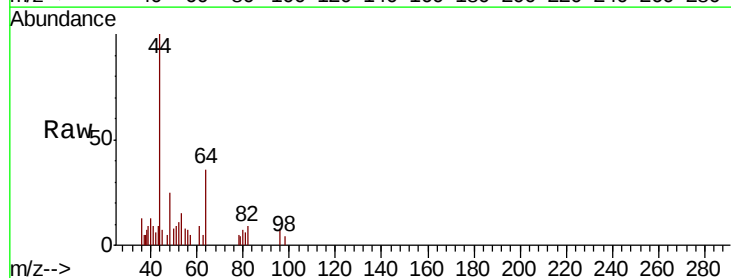
Tgt Ion: 53 Resp: 421

Ion Ratio Lower Upper

53 100

52 99.3 65.2 97.8#

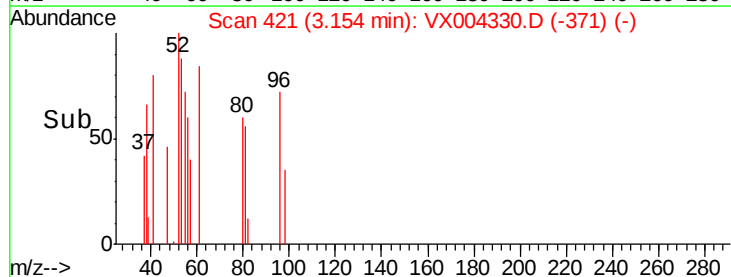
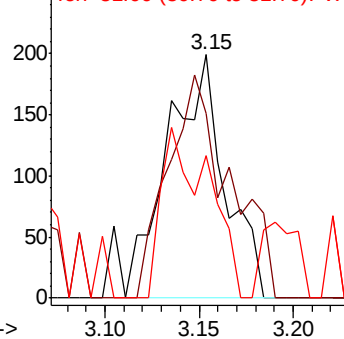
51 57.7 28.2 42.2#

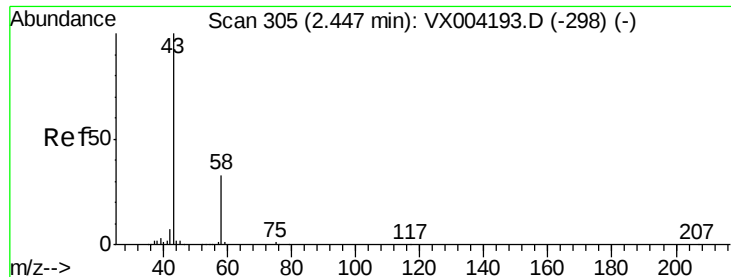


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampled :

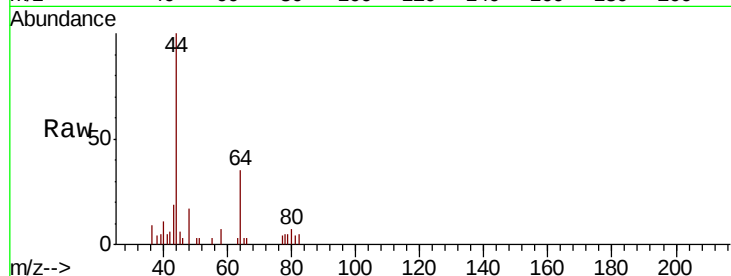
VX0831MBL01

Tot Ion: 43 Resp: 757

Ion Ratio Lower Upper

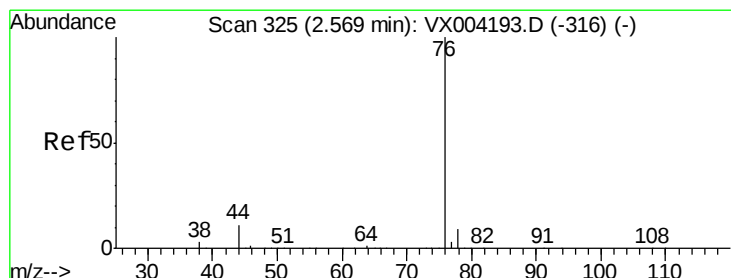
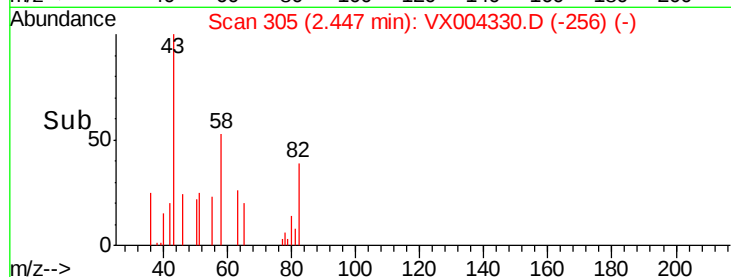
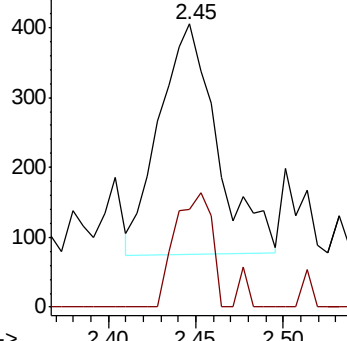
43 100

58 43.8 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: 0.92 ug/l

RT: 2.56 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX004330.D

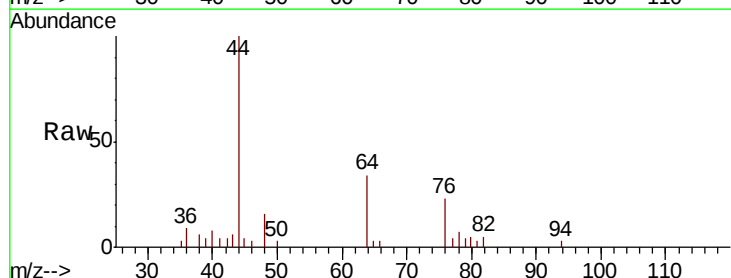
Acq: 31 Aug 2018 17:00

Tgt Ion: 76 Resp: 965

Ion Ratio Lower Upper

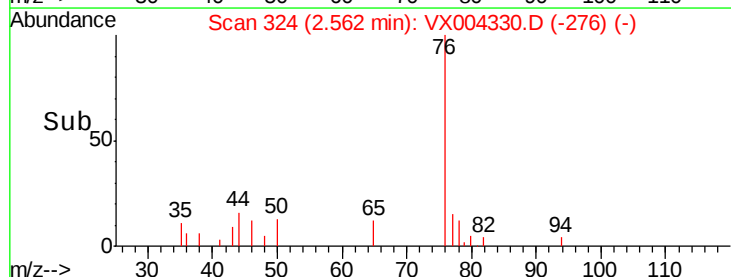
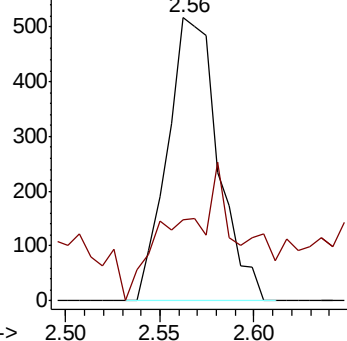
76 100

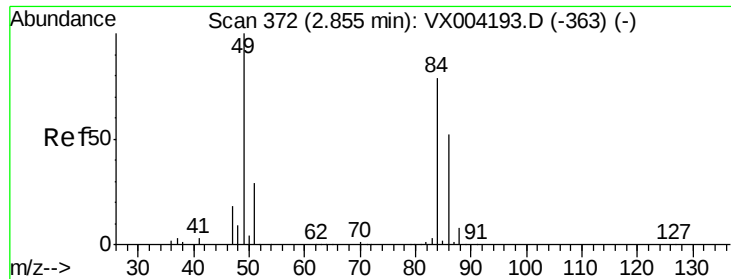
78 28.6 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

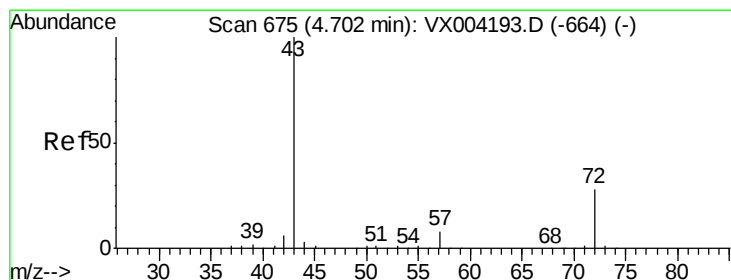
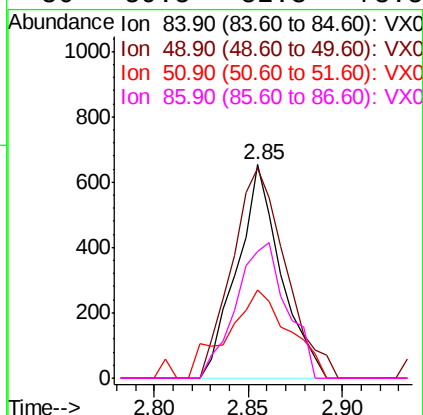
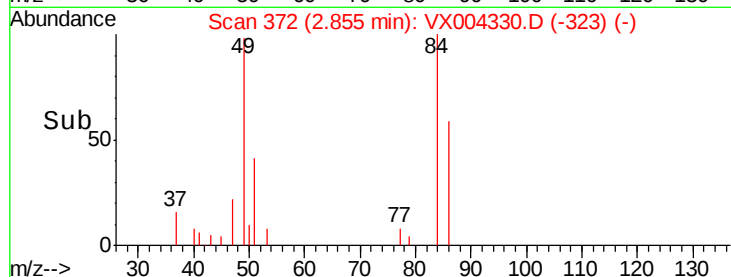
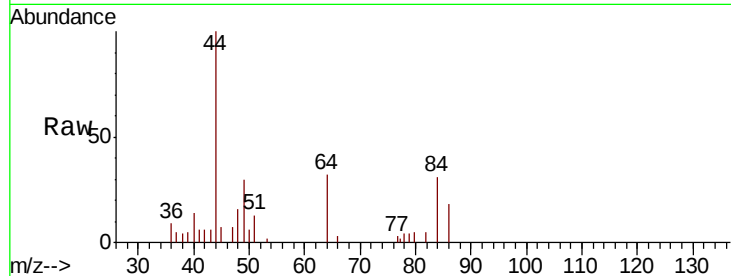




#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004330.D
Acq: 31 Aug 2018 17:00

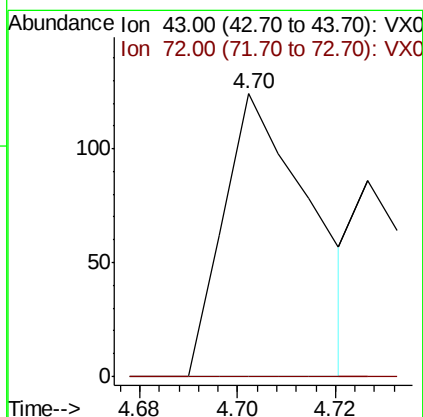
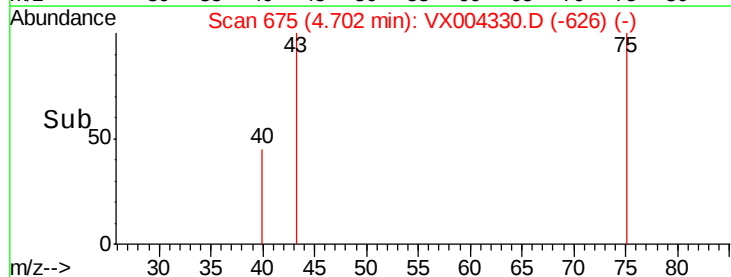
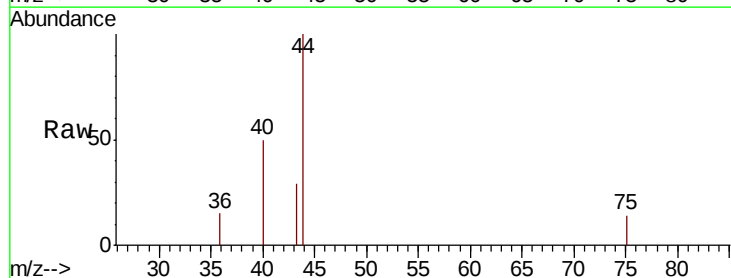
Instrument :
MSVOA_X
ClientSampled :
VX0831MBL01

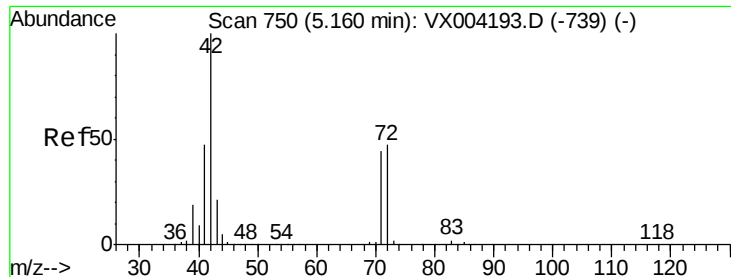
Tot Ion:	84	Resp:	1053
Ion	Ratio	Lower	Upper
84	100		
49	98.2	101.2	151.8#
51	41.3	29.5	44.3
86	59.5	52.3	78.5



#25
2-Butanone
Concen: Below Cal
RT: 4.70 min Scan# 675
Delta R.T. 0.00 min
Lab File: VX004330.D
Acq: 31 Aug 2018 17:00

Tgt Ion:	43	Resp:	153
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.0	33.0#





#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBL01

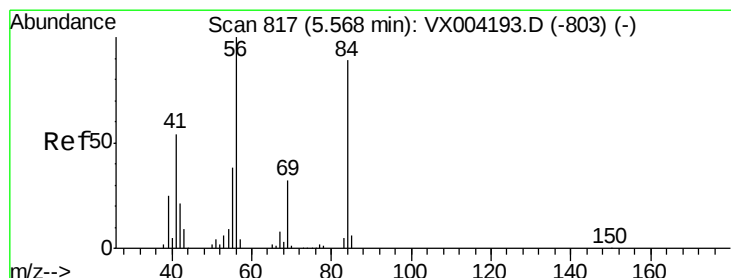
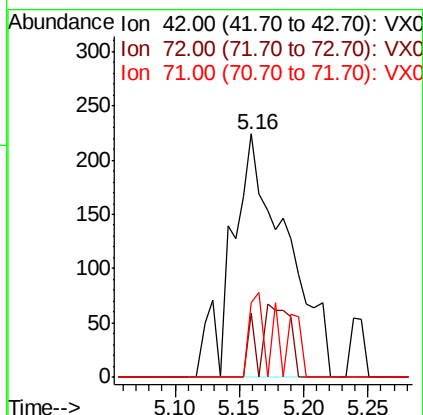
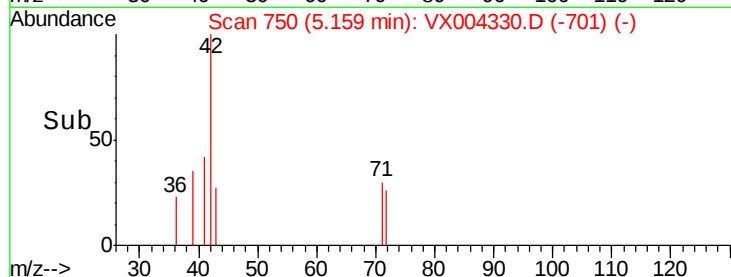
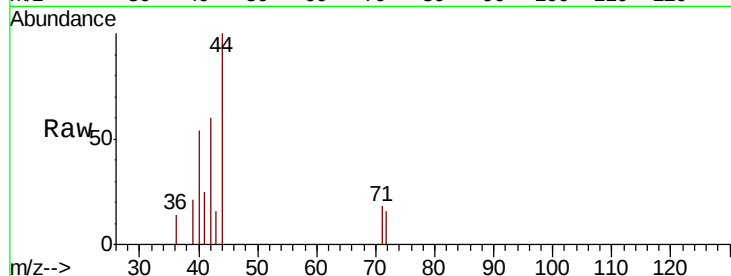
Tot Ion: 42 Resp: 660

Ion Ratio Lower Upper

42 100

72 17.0 37.4 56.0#

71 8.0 34.5 51.7#



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

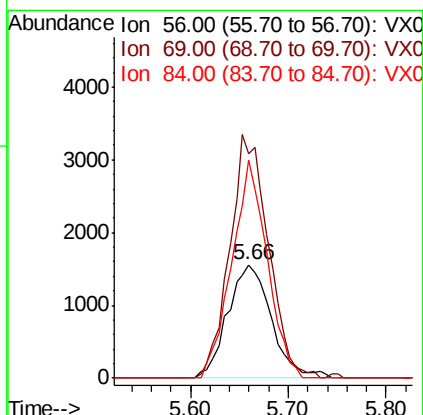
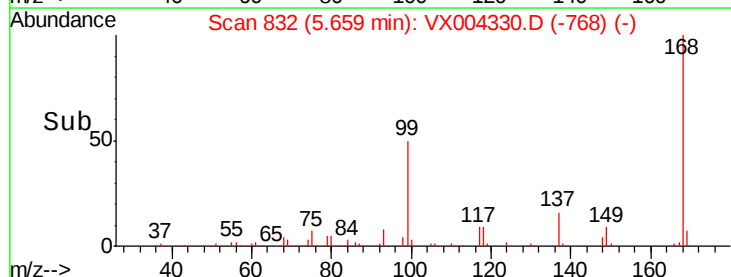
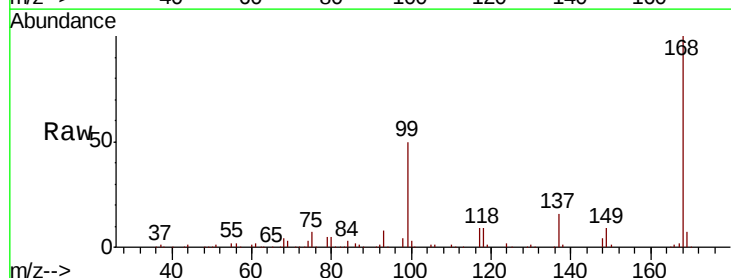
Tgt Ion: 56 Resp: 4812

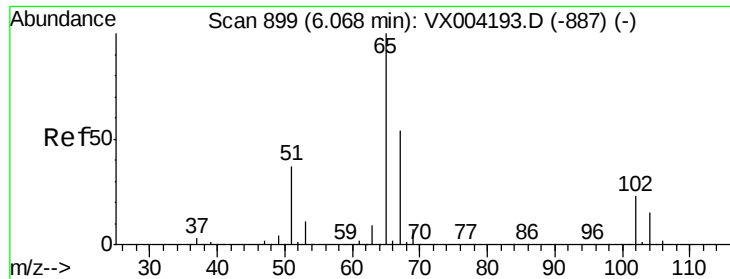
Ion Ratio Lower Upper

56 100

69 197.7 25.4 38.2#

84 192.3 71.4 107.2#

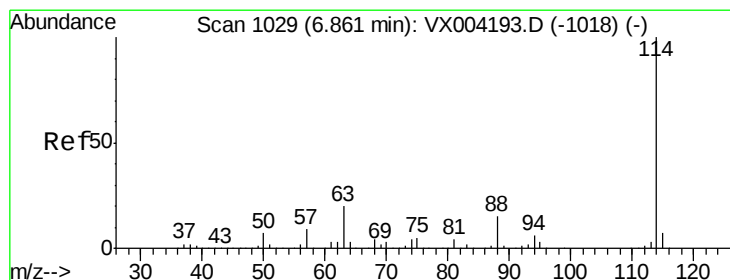
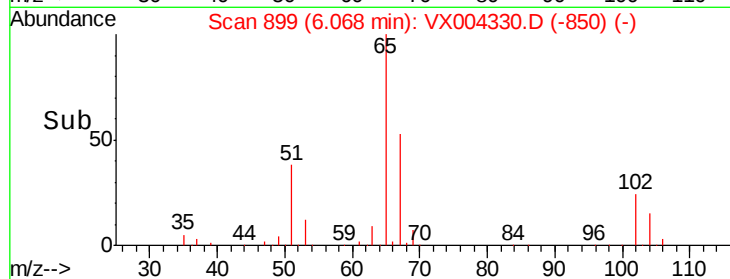
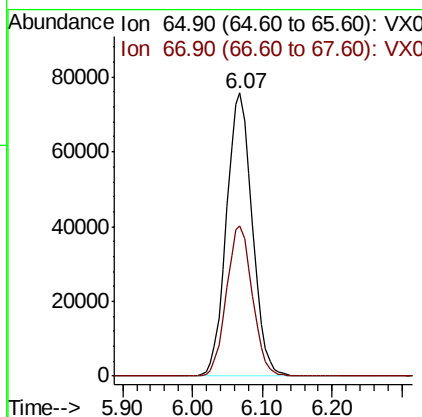
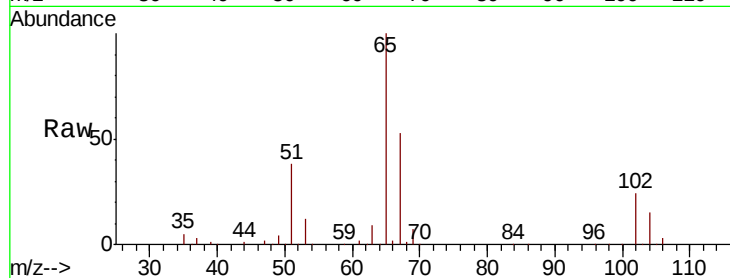




#33
 1,2-Dichloroethane-d4
 Concen: 56.05 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004330.D
 Acq: 31 Aug 2018 17:00

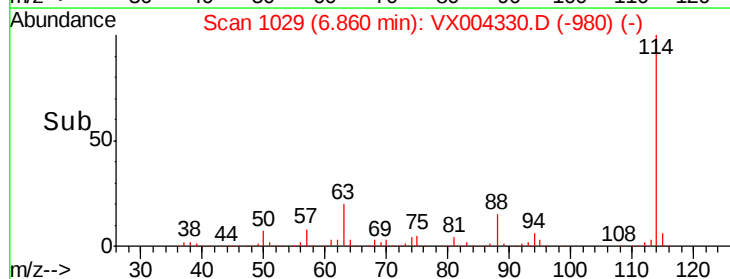
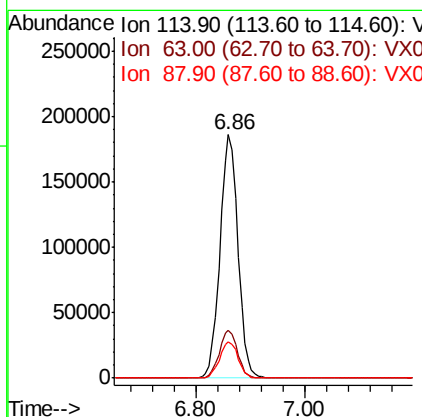
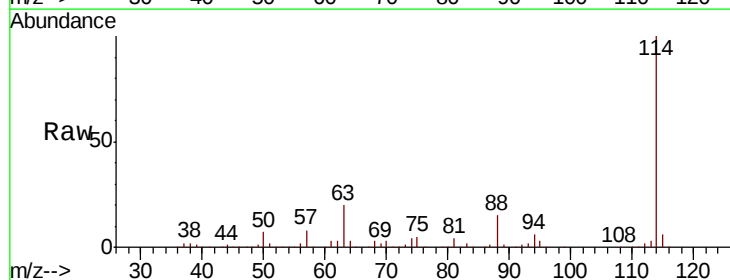
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBL01

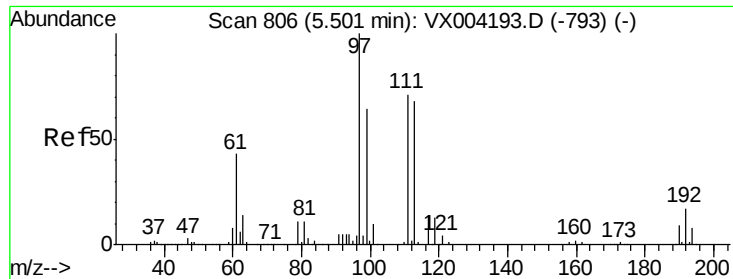
Tot Ion: 65 Resp: 193972
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004330.D
 Acq: 31 Aug 2018 17:00

Tgt Ion: 114 Resp: 426028
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 14.9 0.0 30.4

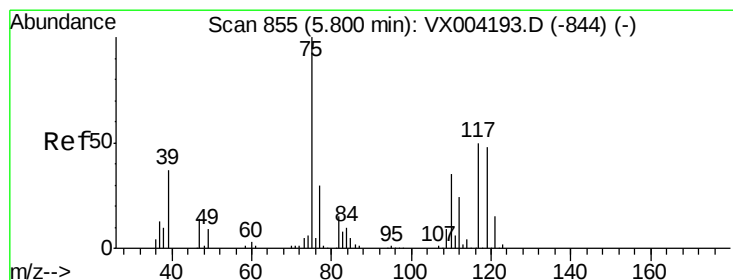
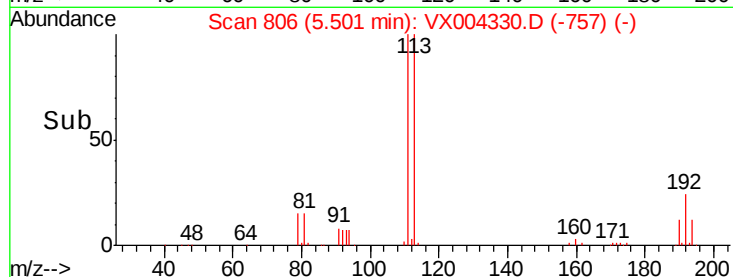
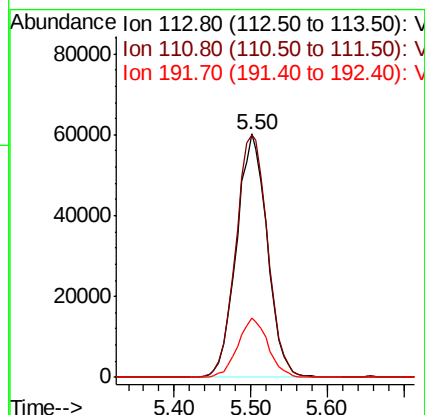
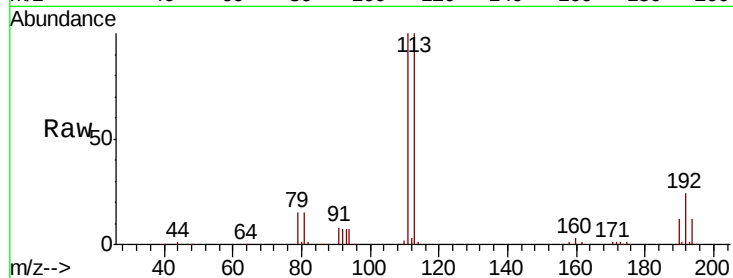




#35
 Dibromofluoromethane
 Concen: 52.71 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004330.D
 Acq: 31 Aug 2018 17:00

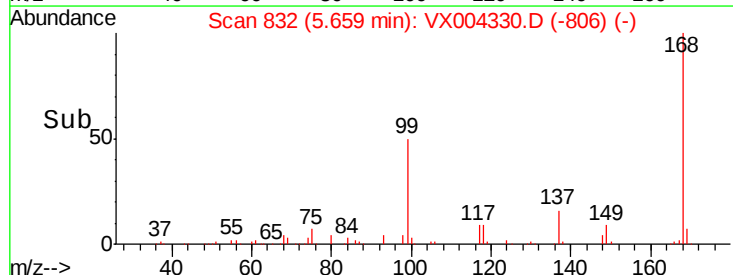
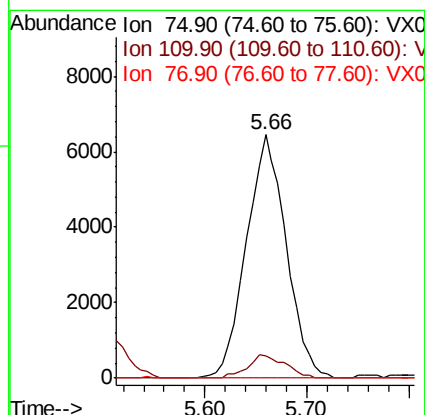
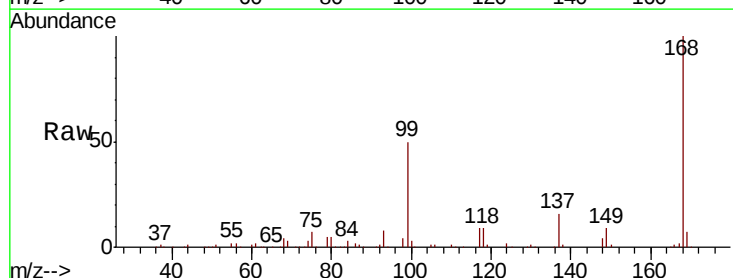
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBL01

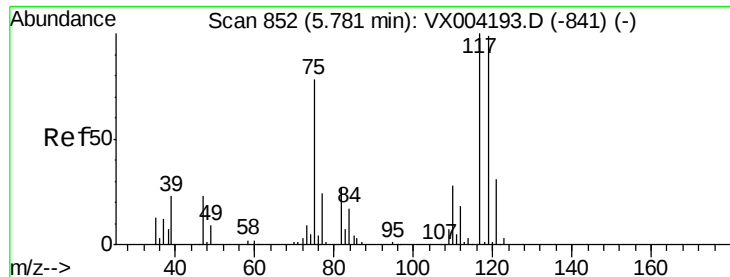
Tot Ion:113 Resp: 167065
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.4 123.6
 192 24.0 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004330.D
 Acq: 31 Aug 2018 17:00

Tgt Ion: 75 Resp: 17467
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.23 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBL01

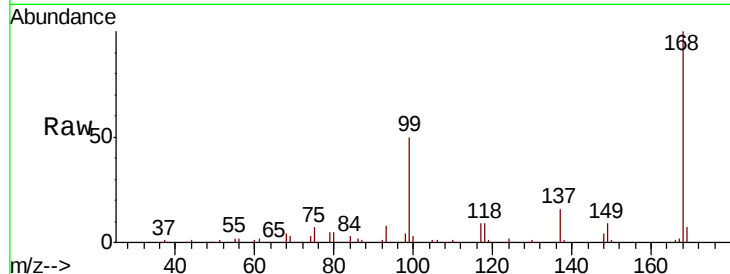
Tot Ion:117 Resp: 23549

Ion Ratio Lower Upper

117 100

119 6.2 78.8 118.2#

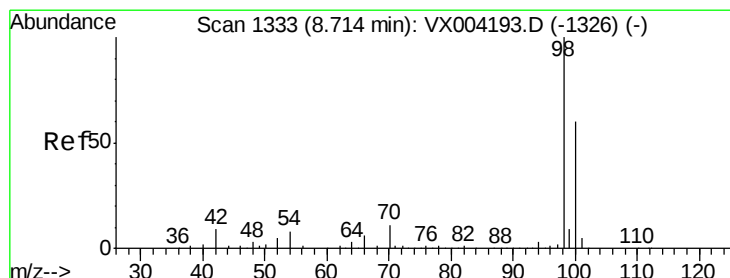
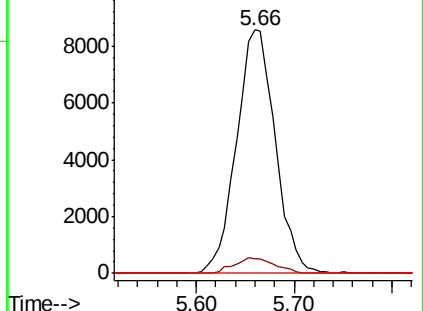
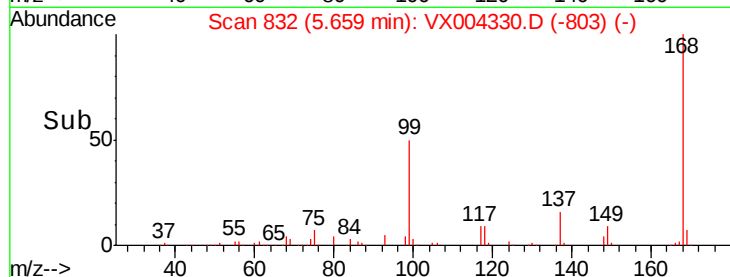
121 0.0 24.9 37.3#



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: 50.81 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004330.D

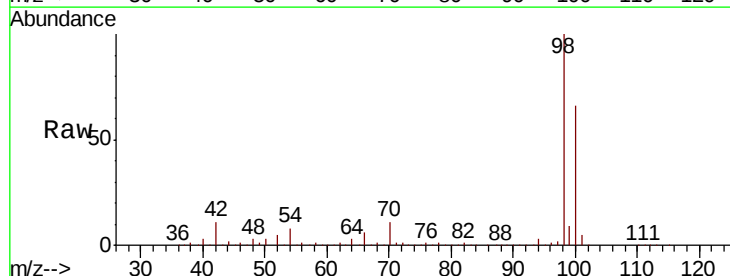
Acq: 31 Aug 2018 17:00

Tgt Ion: 98 Resp: 607841

Ion Ratio Lower Upper

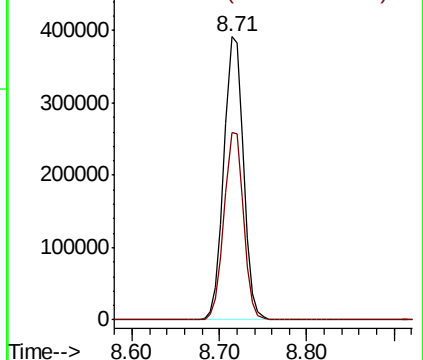
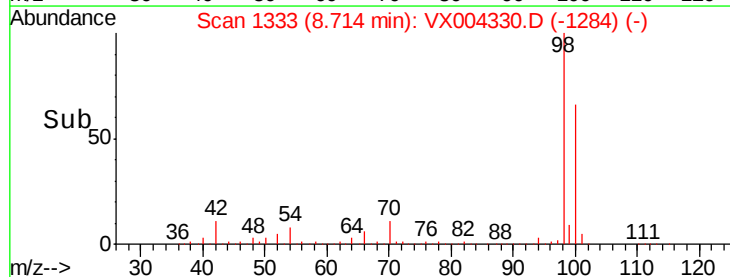
98 100

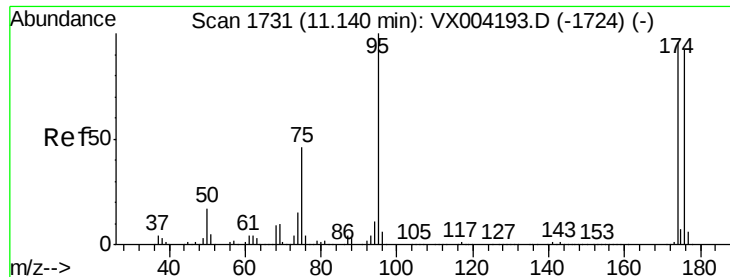
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

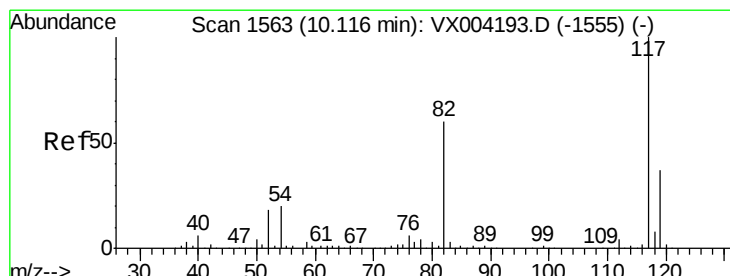
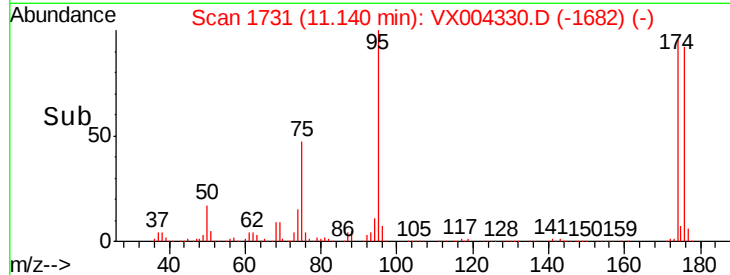
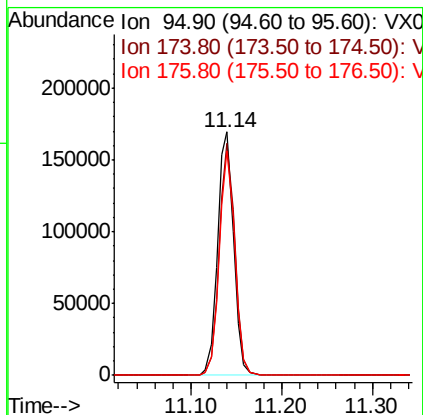
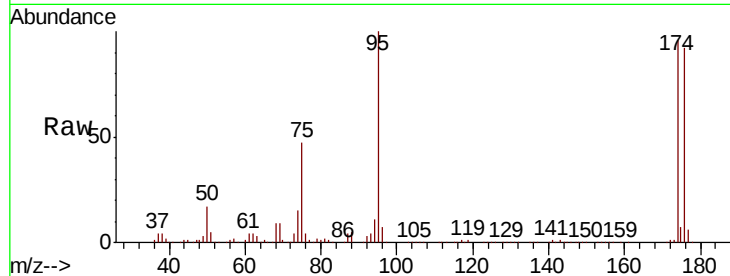




#62
4-Bromofluorobenzene
Concen: 47.05 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004330.D
Acq: 31 Aug 2018 17:00

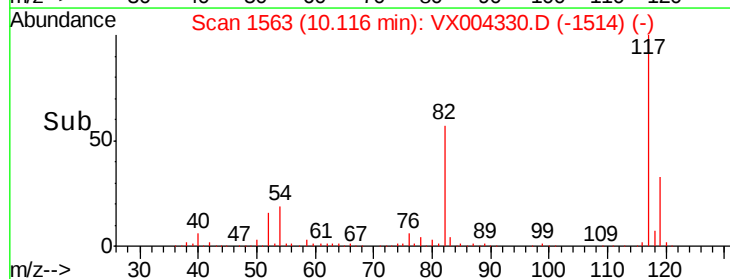
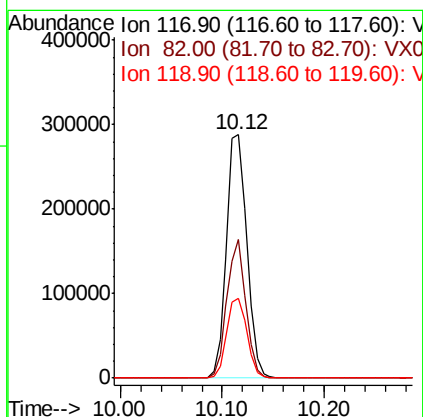
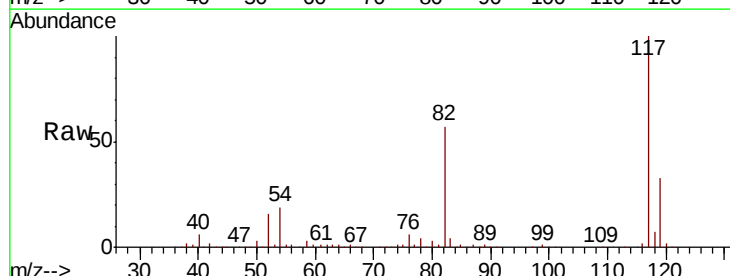
Instrument :
MSVOA_X
ClientSampleId :
VX0831MBL01

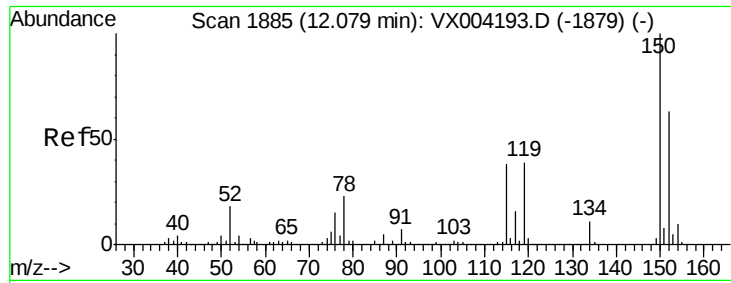
Tot Ion: 95 Resp: 210031
Ion Ratio Lower Upper
95 100
174 92.8 0.0 185.2
176 89.1 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004330.D
Acq: 31 Aug 2018 17:00

Tgt Ion: 117 Resp: 397100
Ion Ratio Lower Upper
117 100
82 56.9 47.8 71.6
119 33.0 29.3 43.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBL01

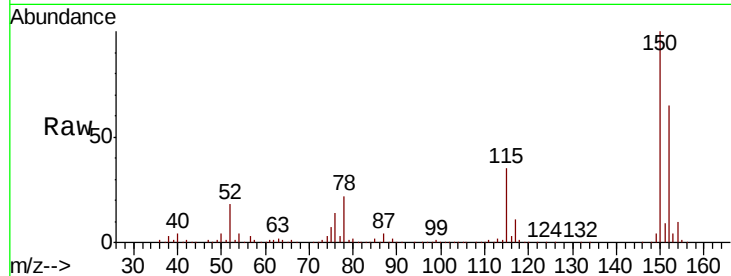
Tot Ion:152 Resp: 227021

Ion Ratio Lower Upper

152 100

115 54.6 39.0 117.0

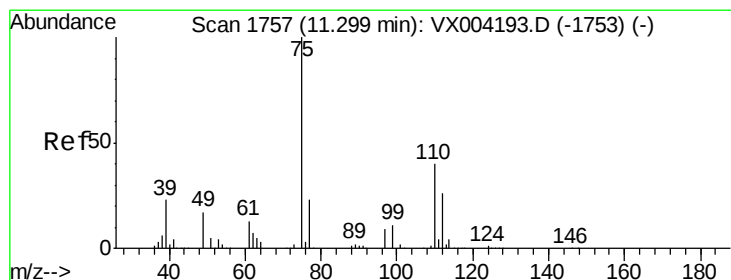
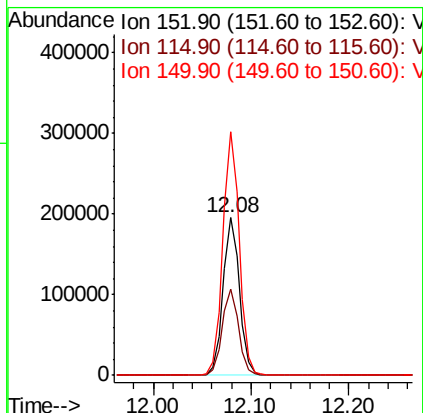
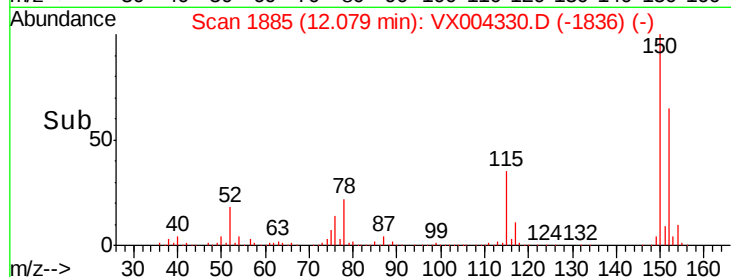
150 155.1 0.0 351.0



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: 21.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004330.D

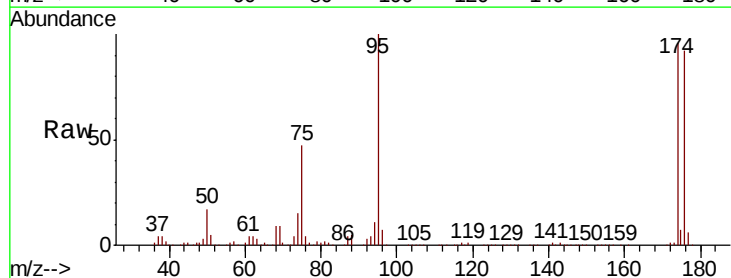
Acq: 31 Aug 2018 17:00

Tgt Ion: 75 Resp: 100382

Ion Ratio Lower Upper

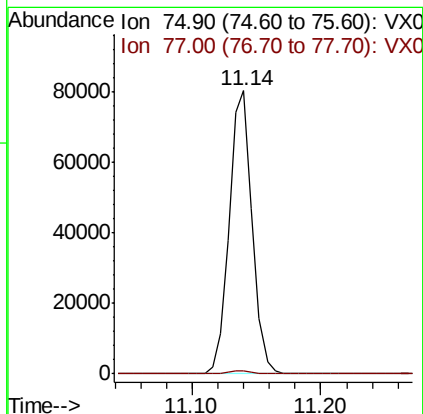
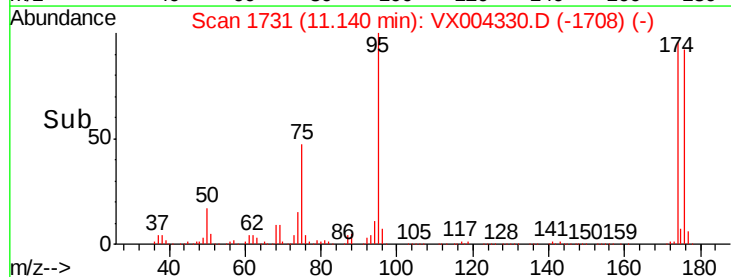
75 100

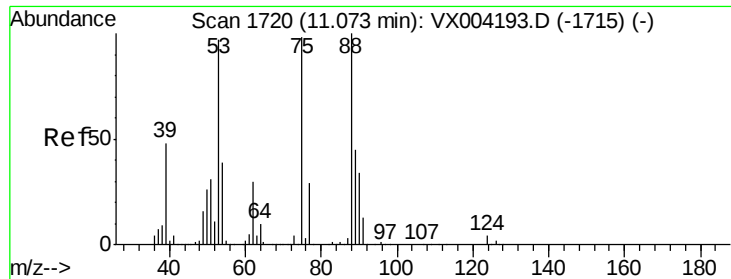
77 1.3 20.2 60.6#



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: 70.54 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.07 min

Lab File: VX004330.D

Acq: 31 Aug 2018 17:00

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBL01

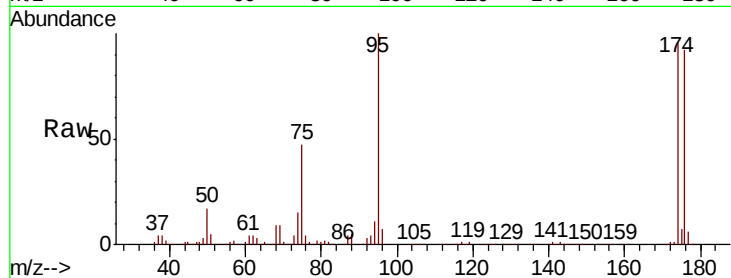
Tot Ion: 75 Resp: 100382

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

