

Data File : VX001585.D
Acq On : 10 May 2018 05:07
Operator : JC/MD
Sample : J2649-08
Misc : 6.24g/5mL/100ul/5mL/MSVOA_X/MEOH
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SB-4

Quant Time: May 10 05:36:07 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	249461	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	342306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	187536	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	164151	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	
35) Dibromofluoromethane	5.51	113	121918	40.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.08%	
50) Toluene-d8	8.72	98	473467	42.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.20%	
62) 4-Bromofluorobenzene	11.15	95	167344	39.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.44%	

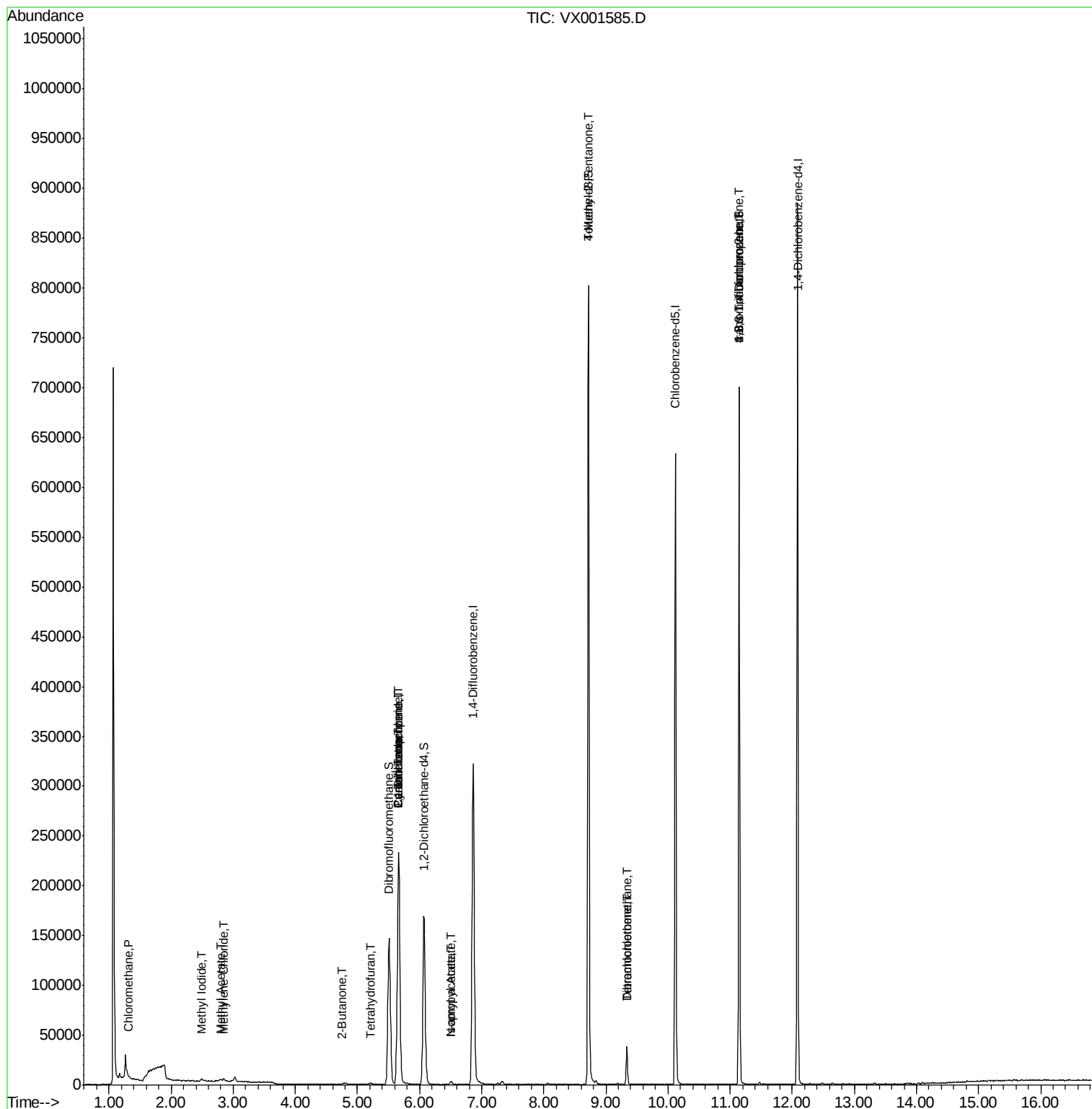
Target Compounds					Qvalue	
3) Chloromethane	1.32	50	749	0.23	ug/l	94
5) Bromomethane	1.64	94	1235	Below	Cal	98
10) Methyl Iodide	2.49	142	1638	0.38	ug/l #	94
13) Acrolein	2.29	56	47	Below	Cal #	1
18) Methyl Acetate	2.80	43	2872	0.67	ug/l	93
20) Methylene Chloride	2.84	84	1354	0.42	ug/l #	87
25) 2-Butanone	4.75	43	504	0.21	ug/l #	49
29) Tetrahydrofuran	5.20	42	1387	0.92	ug/l #	79
31) Cyclohexane	5.67	56	4392	0.95	ug/l #	16
36) 1,1-Dichloropropene	5.66	75	15375	3.53	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21569	4.64	ug/l #	15
43) Isopropyl Acetate	6.49	43	1659	0.23	ug/l #	61
51) 4-Methyl-2-Pentanone	8.71	43	2380	0.49	ug/l #	1
60) Dibromochloromethane	9.34	129	7432	2.17	ug/l #	11
64) Tetrachloroethene	9.34	164	9145	2.09	ug/l	95
74) N-amyl acetate	6.49	43	1659	0.28	ug/l #	58
76) 1,2,3-Trichloropropane	11.15	75	82640	21.73	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.15	75	82640	67.62	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

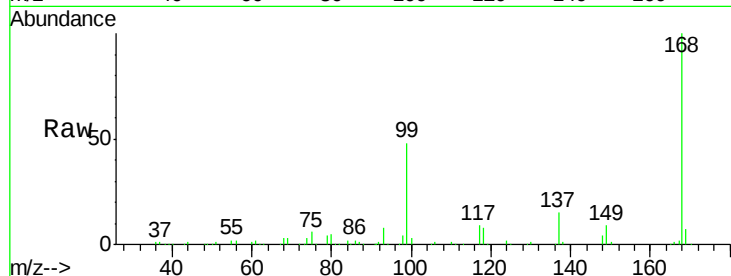
SB-4

Tgt Ion: 168 Resp: 249461

Ion Ratio Lower Upper

168 100

99 48.1 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

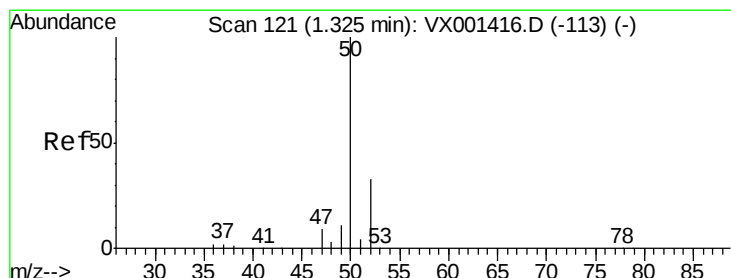
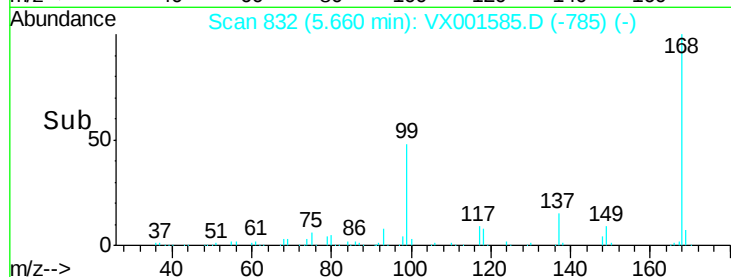
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX001585.D

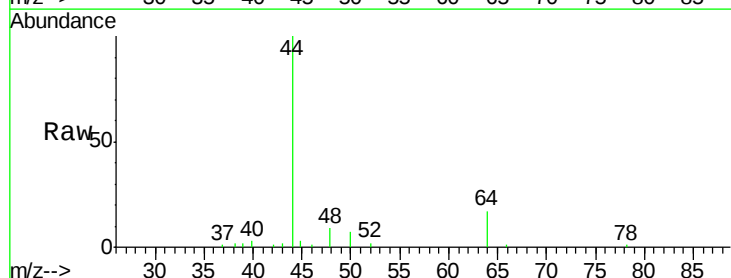
Acq: 10 May 2018 05:07

Tgt Ion: 50 Resp: 749

Ion Ratio Lower Upper

50 100

52 29.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

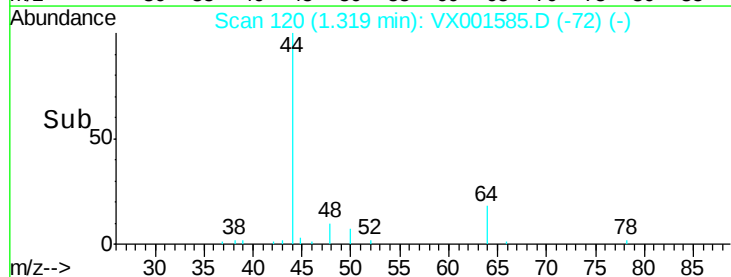
300

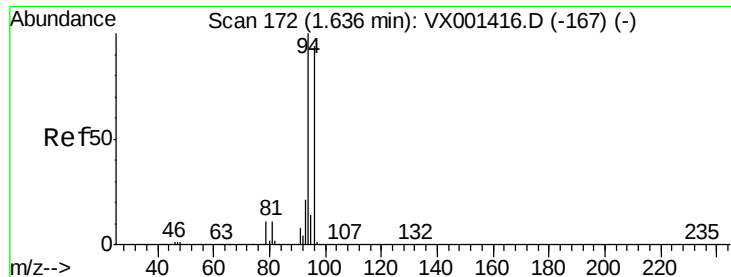
200

100

0

Time--> 1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

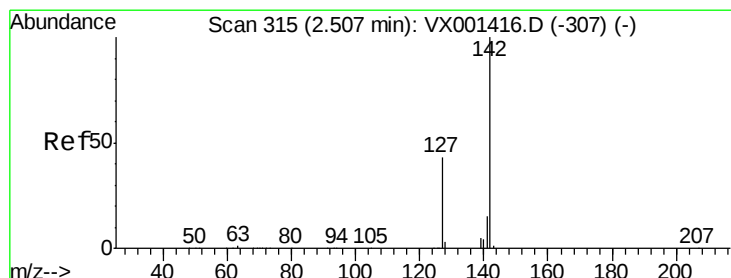
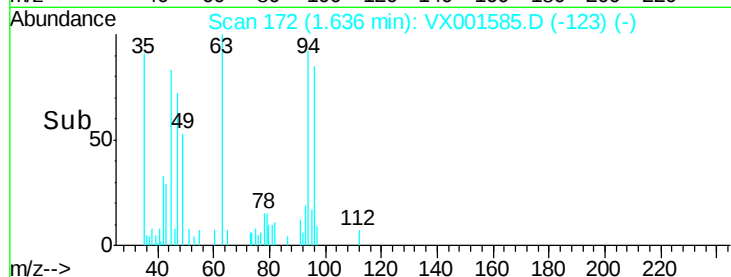
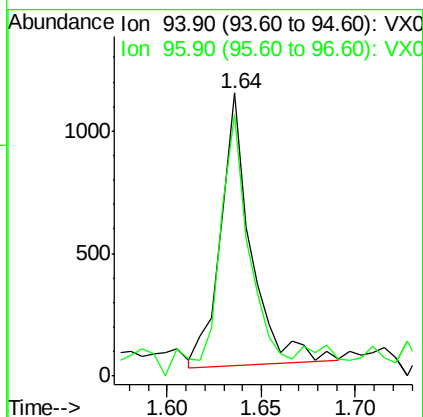
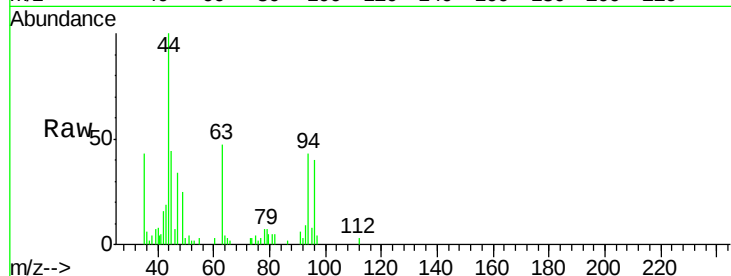
SB-4

Tgt Ion: 94 Resp: 1235

Ion Ratio Lower Upper

94 100

96 91.7 75.0 112.6



#10

Methyl Iodide

Concen: 0.38 ug/l

RT: 2.49 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

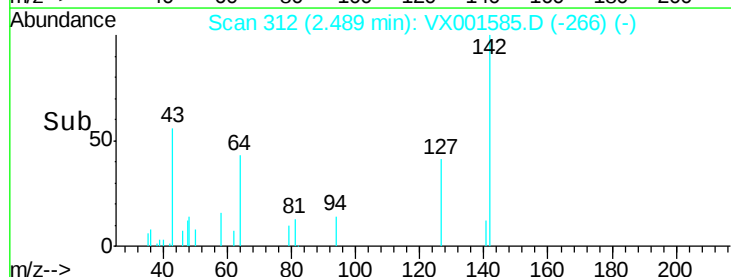
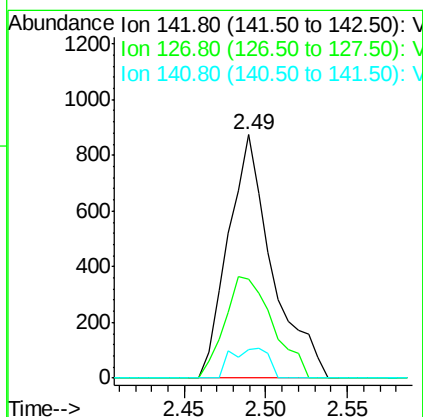
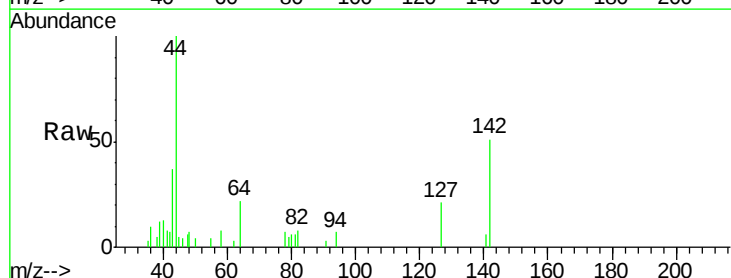
Tgt Ion: 142 Resp: 1638

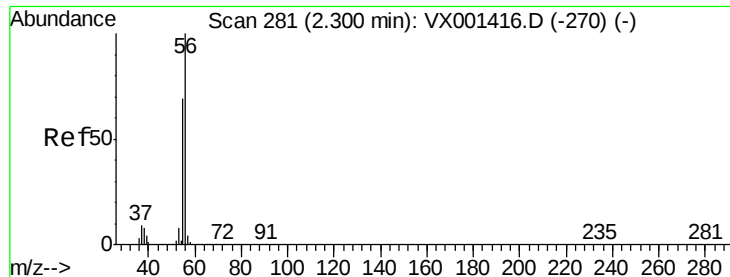
Ion Ratio Lower Upper

142 100

127 45.5 33.6 50.4

141 10.7 11.4 17.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

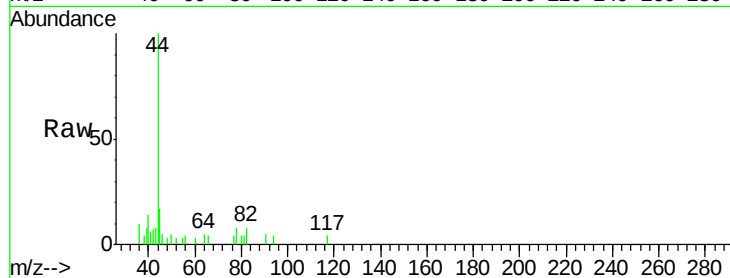
SB-4

Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

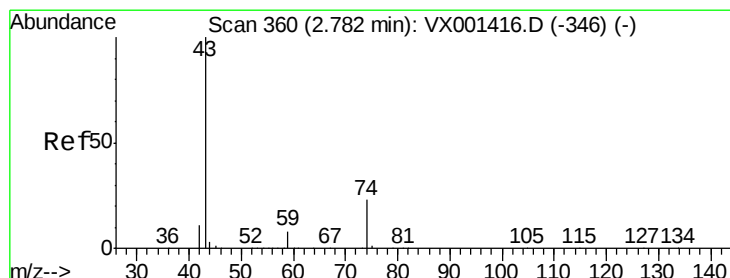
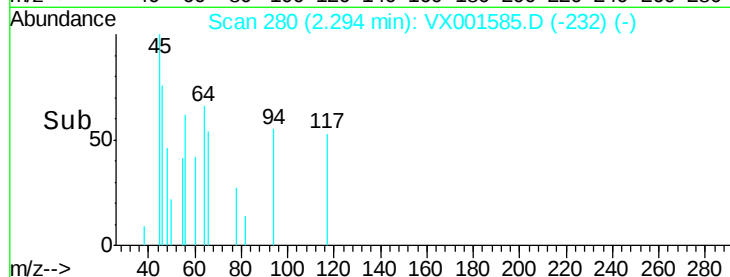
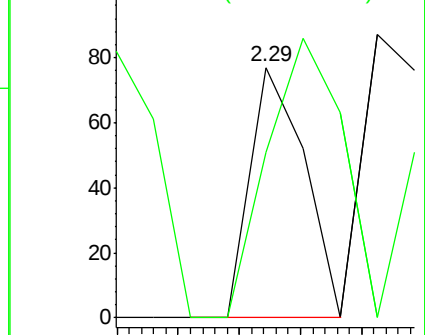
56 100

55 155.3 54.5 81.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#18

Methyl Acetate

Concen: 0.67 ug/l

RT: 2.80 min Scan# 363

Delta R.T. 0.02 min

Lab File: VX001585.D

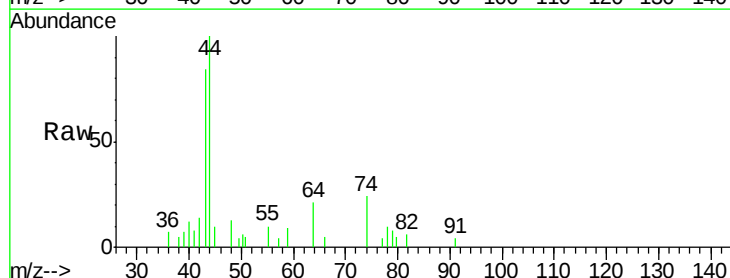
Acq: 10 May 2018 05:07

Tgt Ion: 43 Resp: 2872

Ion Ratio Lower Upper

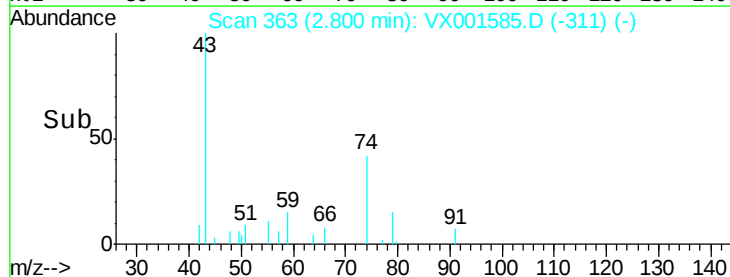
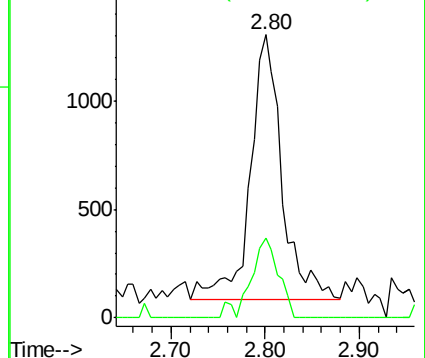
43 100

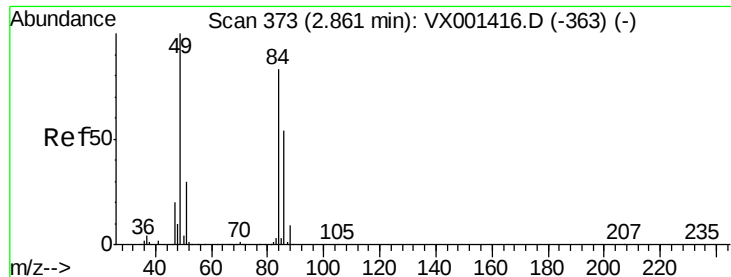
74 26.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

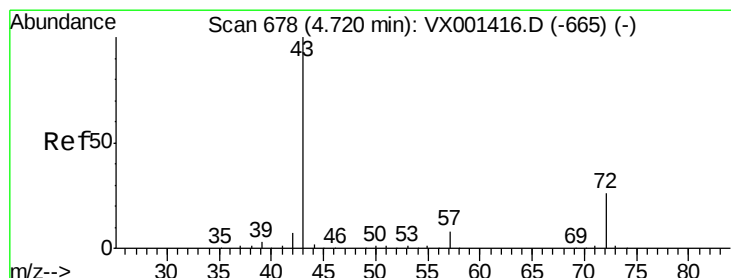
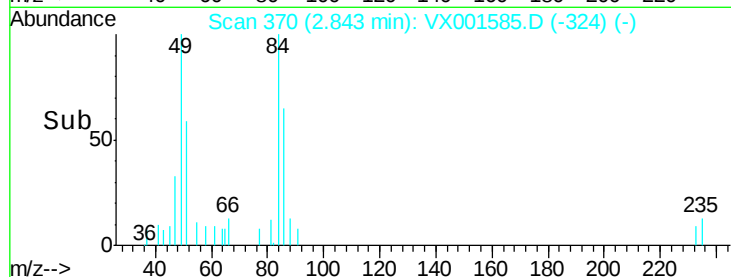
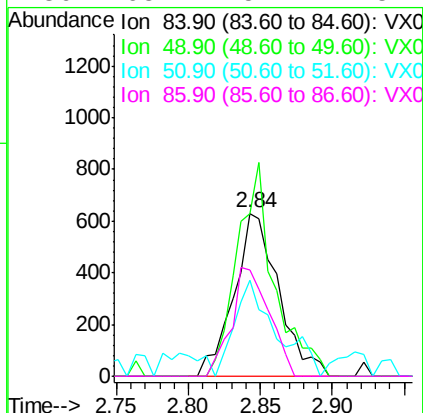
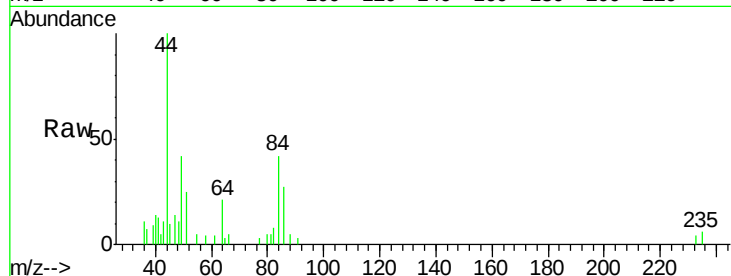




#20
Methylene Chloride
Concen: 0.42 ug/l
RT: 2.84 min Scan# 370
Delta R.T. -0.02 min
Lab File: VX001585.D
Acq: 10 May 2018 05:07

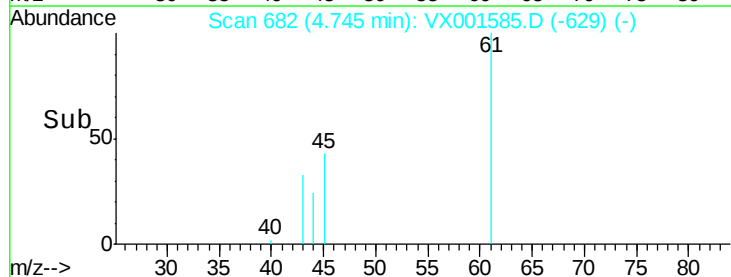
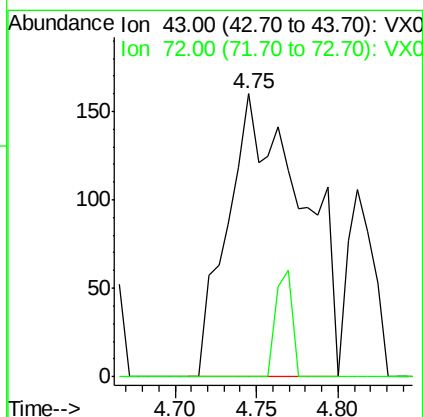
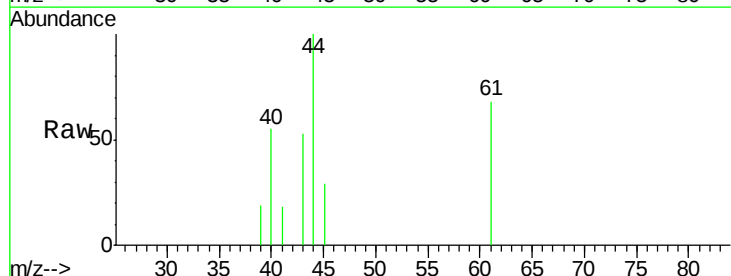
Instrument :
MSVOA_X
ClientSampled :
SB-4

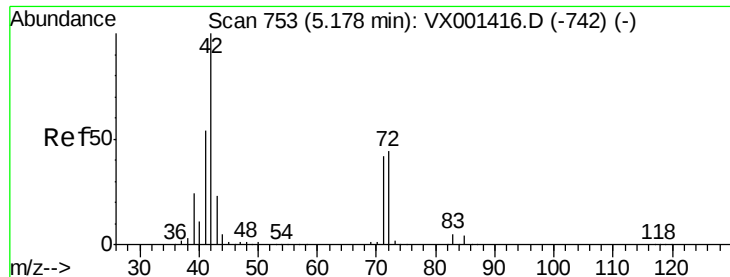
Tgt Ion:	84	Resp:	1354
Ion	Ratio	Lower	Upper
84	100		
49	99.7	96.6	144.8
51	47.6	29.0	43.4#
86	65.4	52.2	78.4



#25
2-Butanone
Concen: 0.21 ug/l
RT: 4.75 min Scan# 682
Delta R.T. 0.02 min
Lab File: VX001585.D
Acq: 10 May 2018 05:07

Tgt Ion:	43	Resp:	504
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#





#29

Tetrahydrofuran

Concen: 0.92 ug/l

RT: 5.20 min Scan# 757

Delta R.T. 0.02 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

SB-4

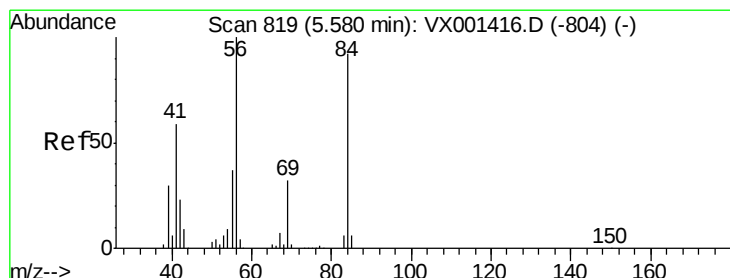
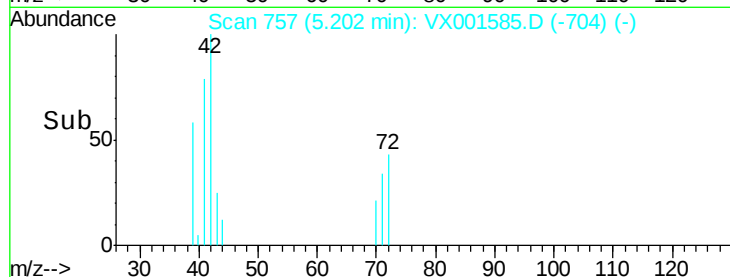
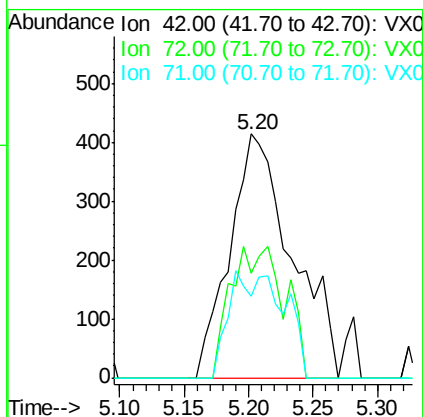
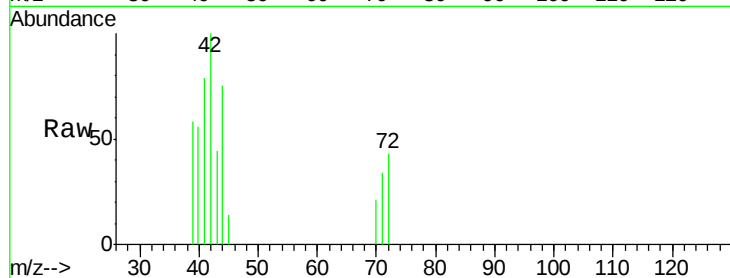
Tgt Ion: 42 Resp: 1387

Ion Ratio Lower Upper

42 100

72 46.9 35.4 53.2

71 17.0 33.0 49.4#



#31

Cyclohexane

Concen: 0.95 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

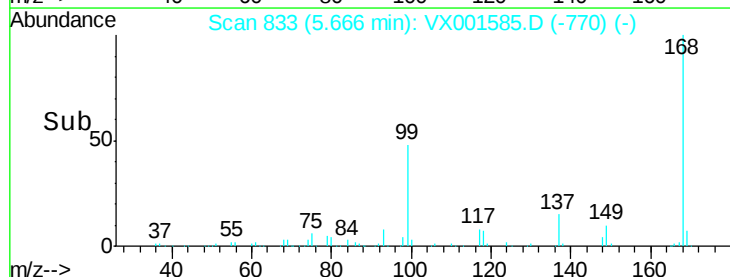
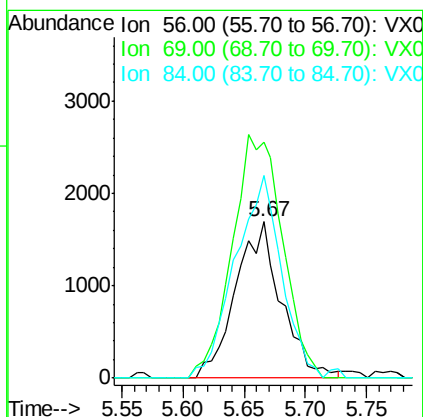
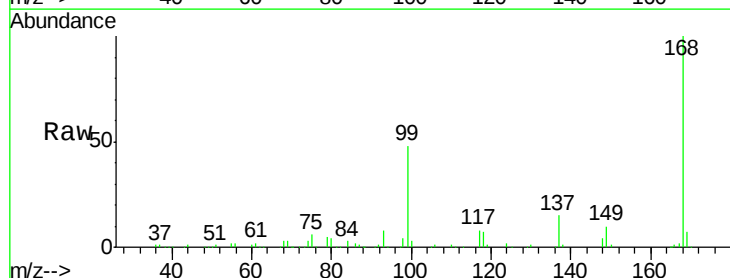
Tgt Ion: 56 Resp: 4392

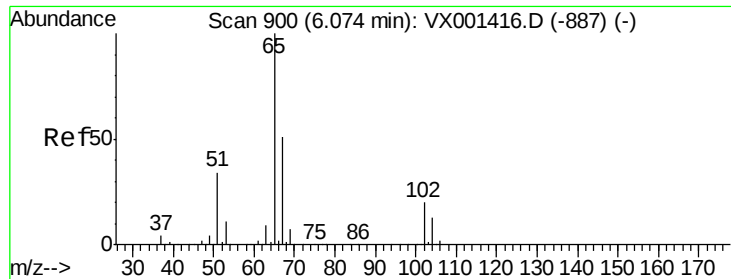
Ion Ratio Lower Upper

56 100

69 151.1 25.4 38.0#

84 129.2 73.8 110.8#

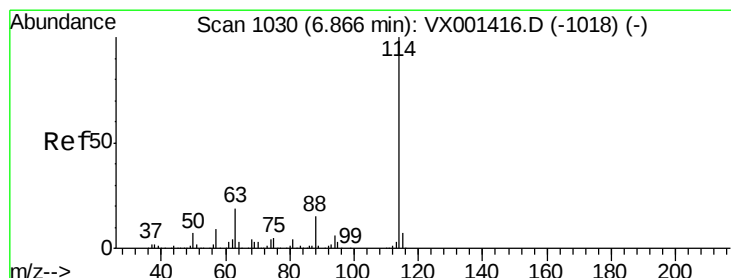
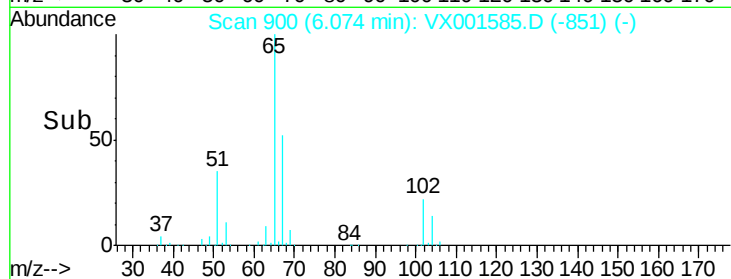
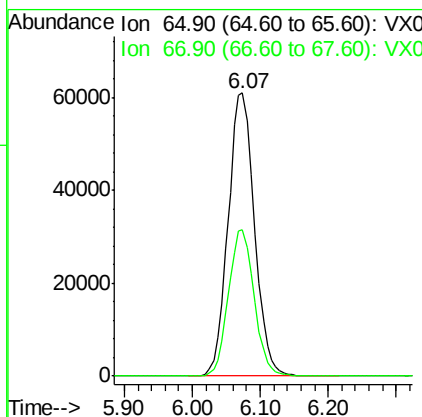
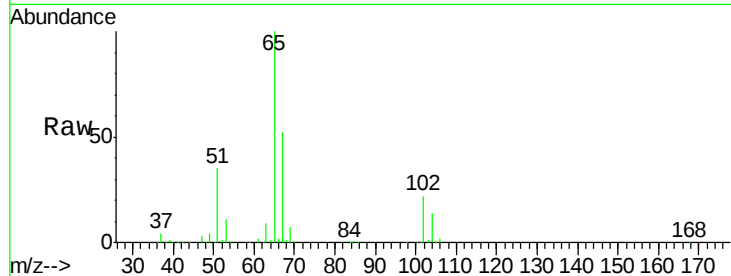




#33
 1,2-Dichloroethane-d4
 Concen: 45.78 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001585.D
 Acq: 10 May 2018 05:07

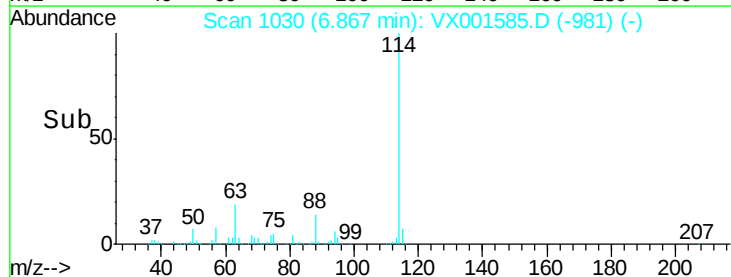
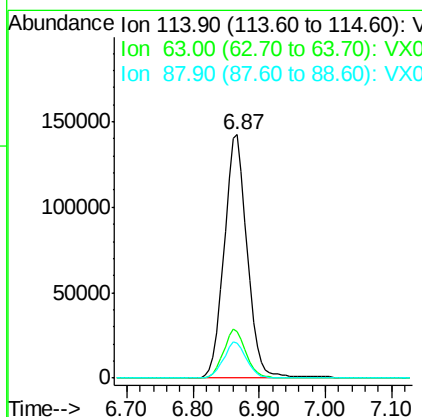
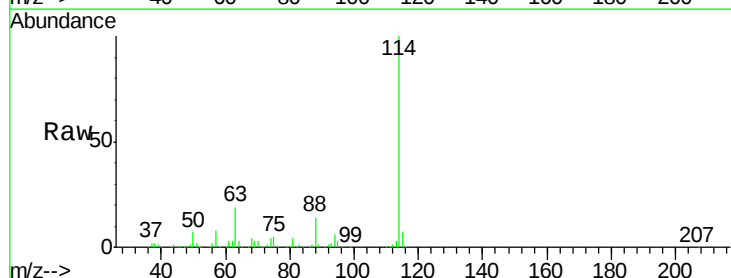
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4

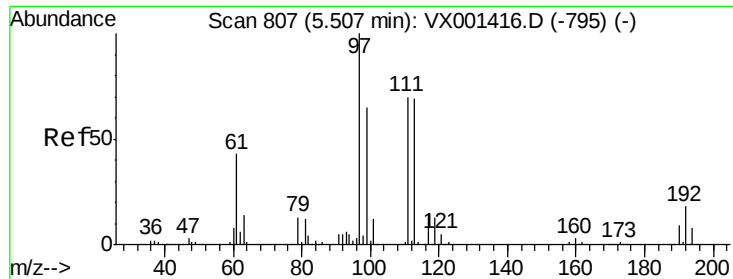
Tgt Ion: 65 Resp: 164151
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001585.D
 Acq: 10 May 2018 05:07

Tgt Ion: 114 Resp: 342306
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 14.2 0.0 30.8

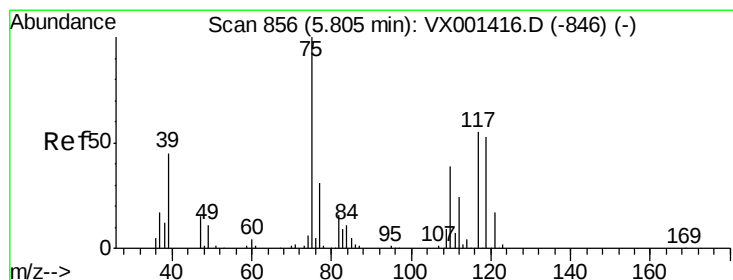
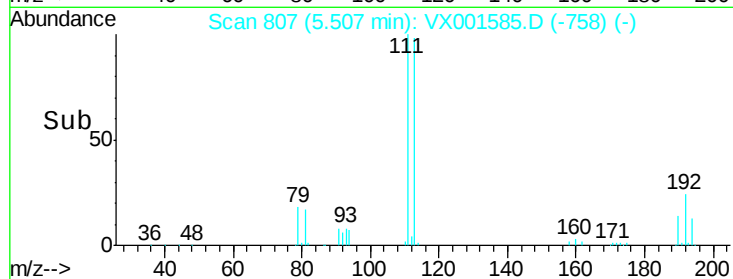
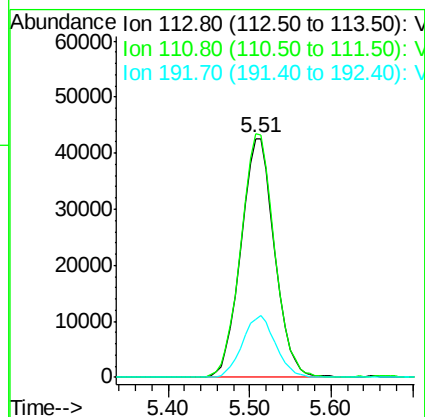
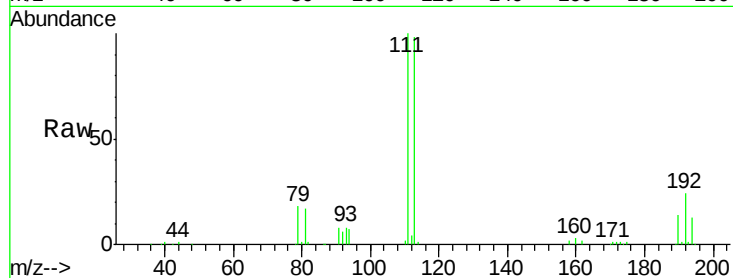




#35
 Dibromofluoromethane
 Concen: 40.04 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX001585.D
 Acq: 10 May 2018 05:07

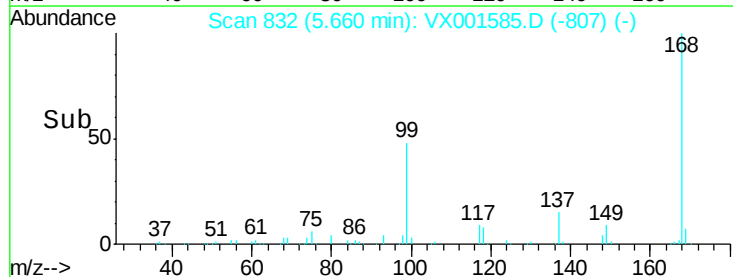
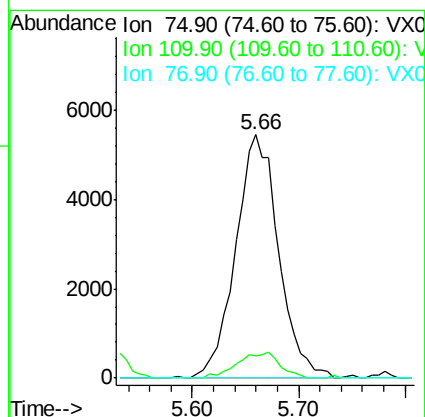
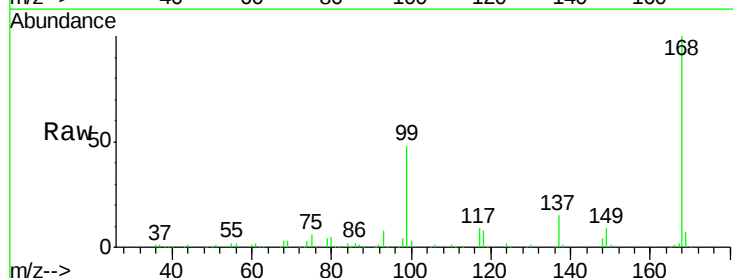
Instrument :
 MSVOA_X
 ClientSampled :
 SB-4

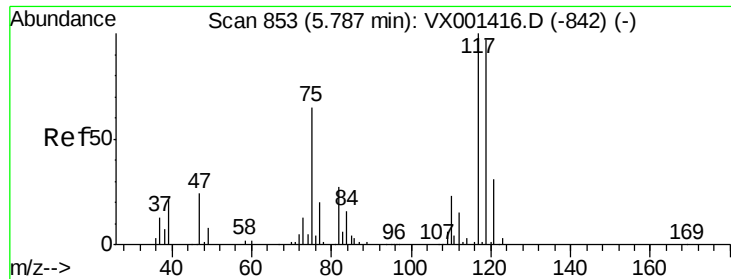
Tgt Ion:113 Resp: 121918
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.2
 192 25.7 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.53 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.15 min
 Lab File: VX001585.D
 Acq: 10 May 2018 05:07

Tgt Ion: 75 Resp: 15375
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.13 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

SB-4

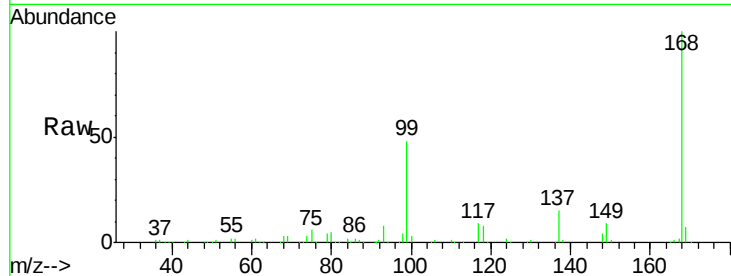
Tgt Ion: 117 Resp: 21569

Ion Ratio Lower Upper

117 100

119 4.5 77.0 115.6#

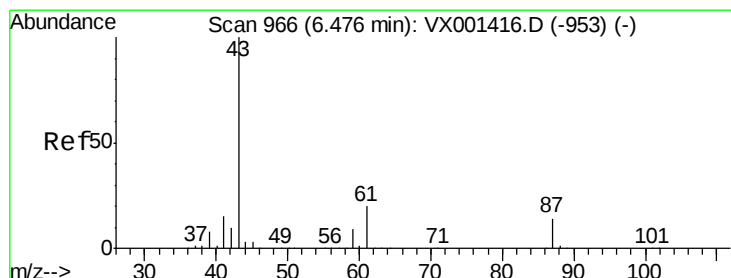
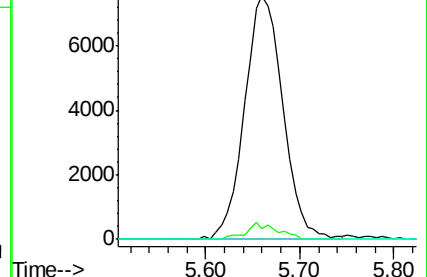
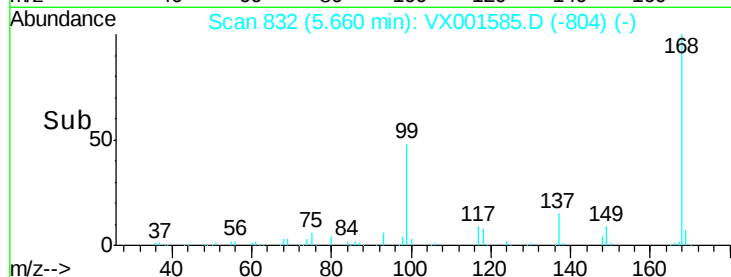
121 0.0 25.1 37.7#



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



#43

Isopropyl Acetate

Concen: 0.23 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

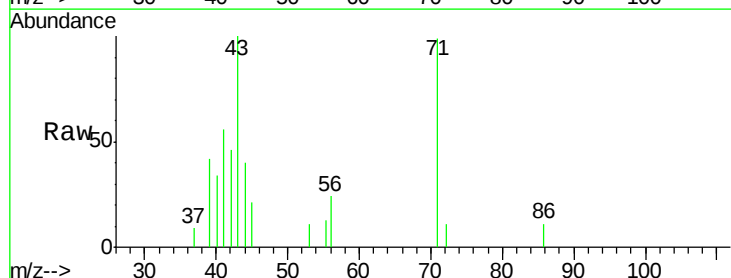
Tgt Ion: 43 Resp: 1659

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

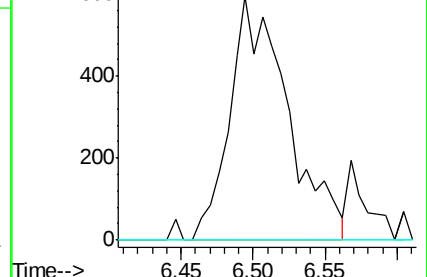
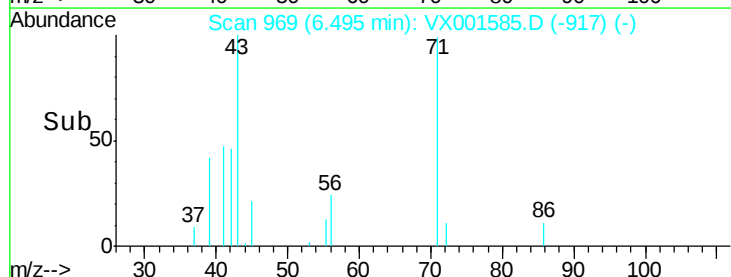
87 0.0 10.8 16.2#

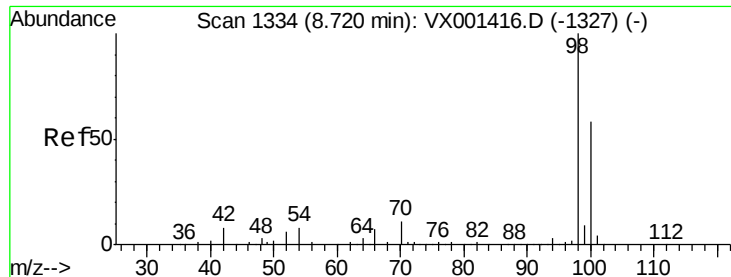


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 42.60 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

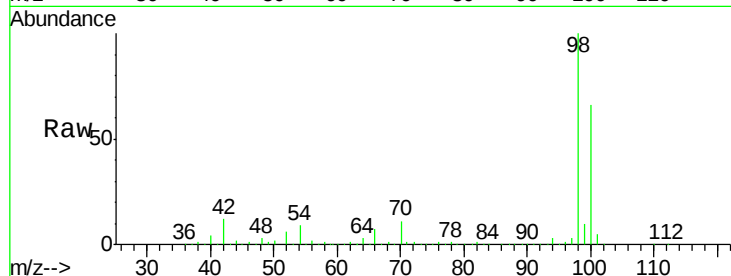
SB-4

Tgt Ion: 98 Resp: 473467

Ion Ratio Lower Upper

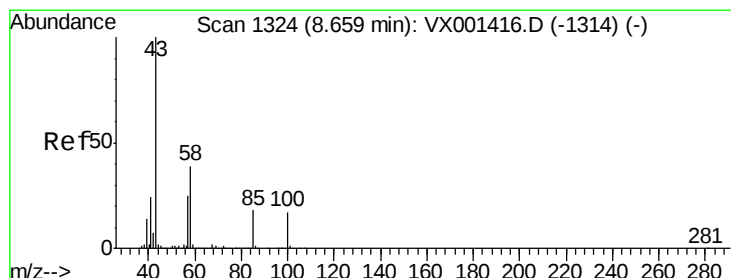
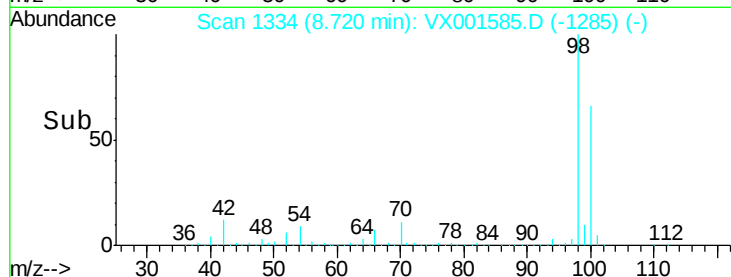
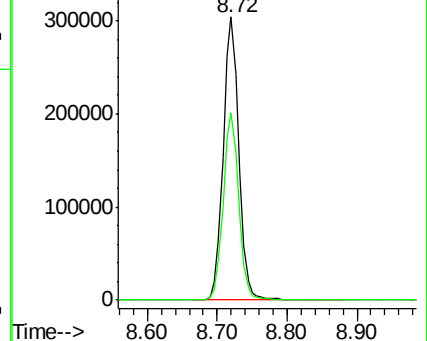
98 100

100 65.9 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 0.49 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. 0.06 min

Lab File: VX001585.D

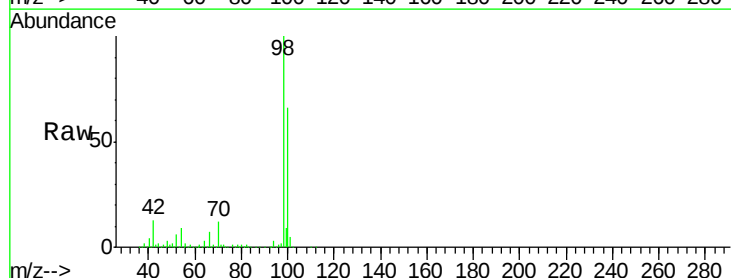
Acq: 10 May 2018 05:07

Tgt Ion: 43 Resp: 2380

Ion Ratio Lower Upper

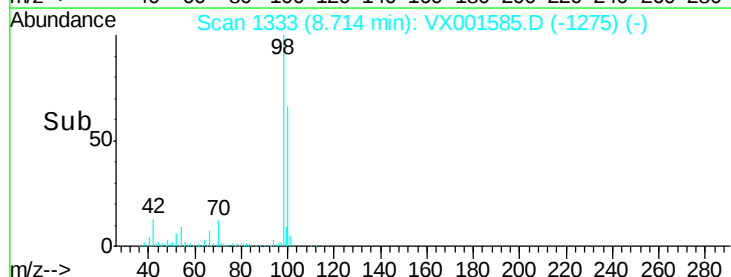
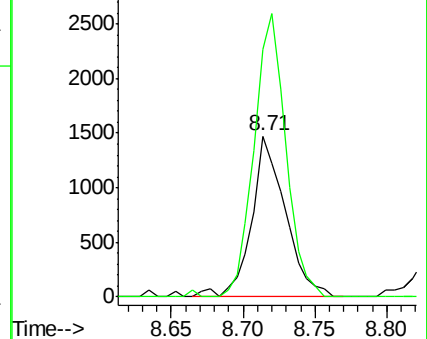
43 100

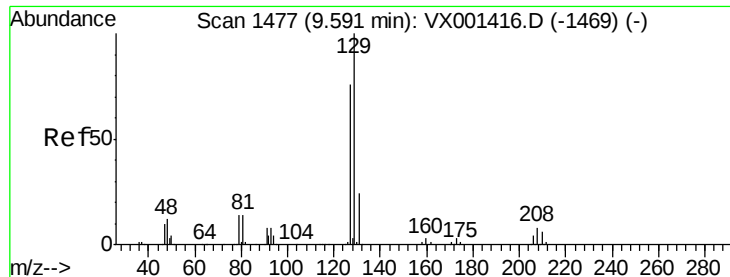
58 165.2 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 2.17 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.26 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampled :

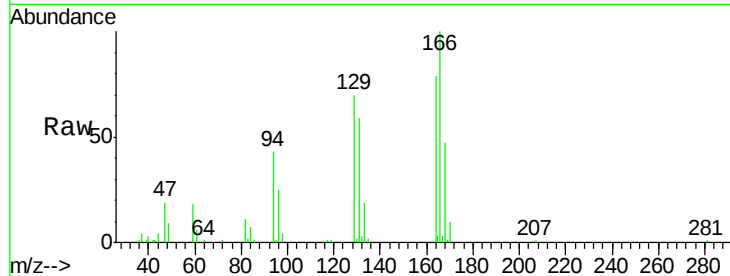
SB-4

Tgt Ion:129 Resp: 7432

Ion Ratio Lower Upper

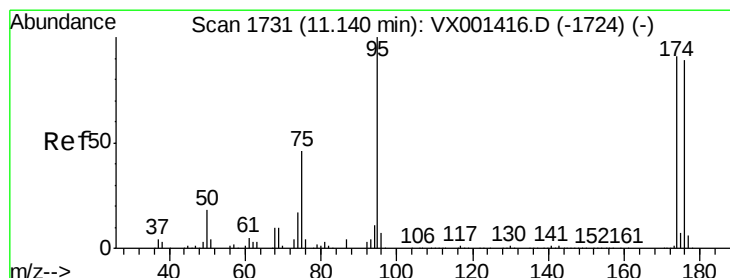
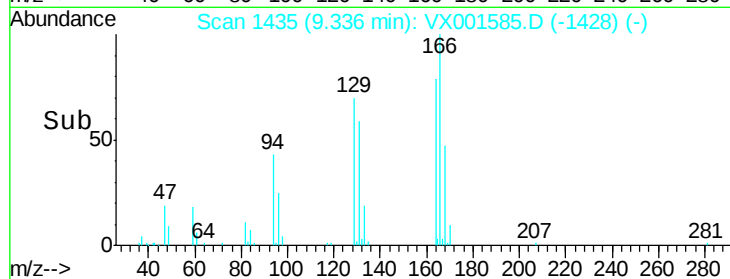
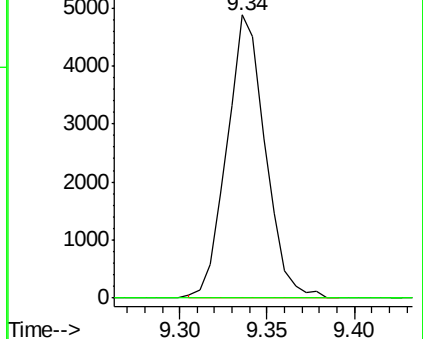
129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 39.22 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

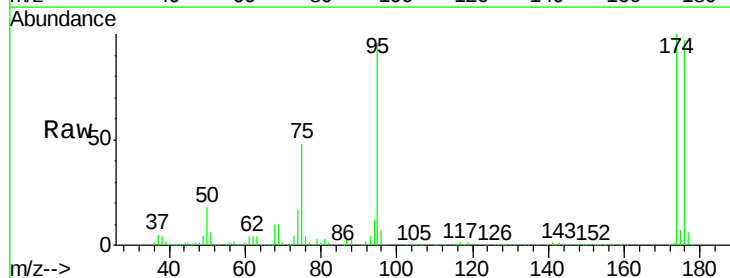
Tgt Ion: 95 Resp: 167344

Ion Ratio Lower Upper

95 100

174 99.6 0.0 202.0

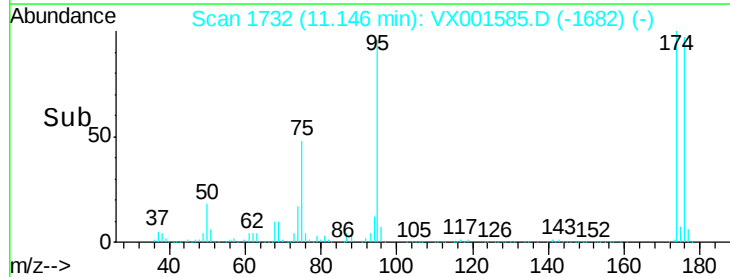
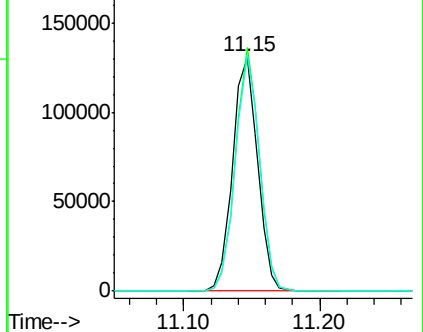
176 97.8 0.0 197.4

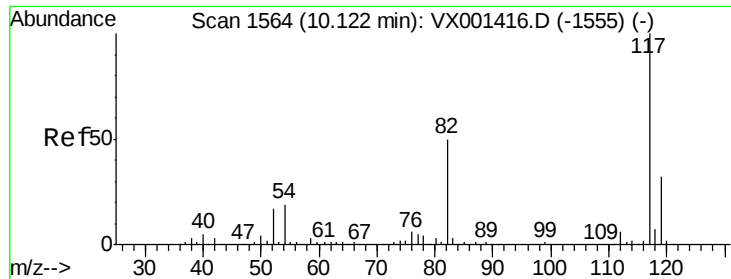


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

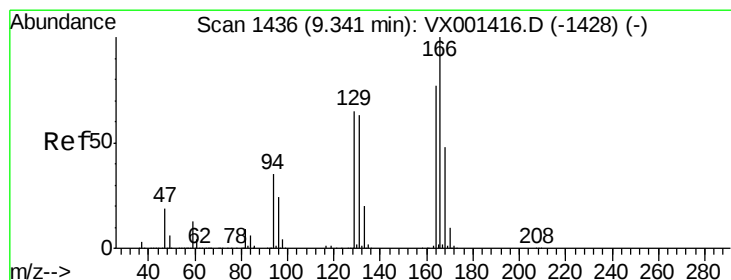
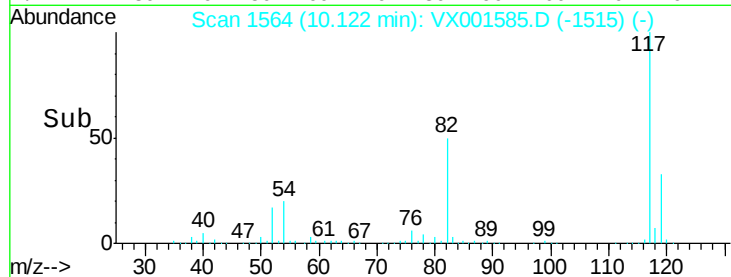
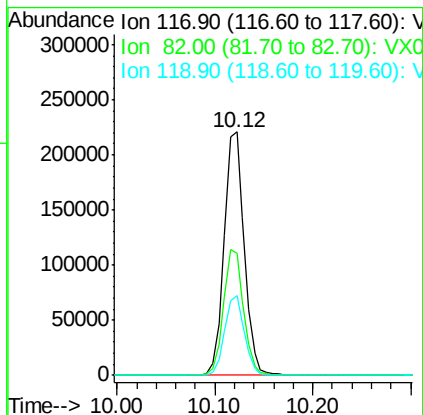
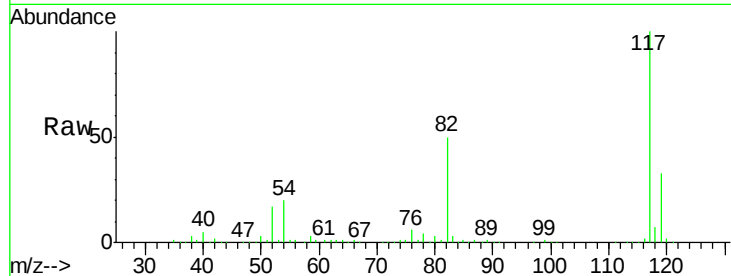




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001585.D
Acq: 10 May 2018 05:07

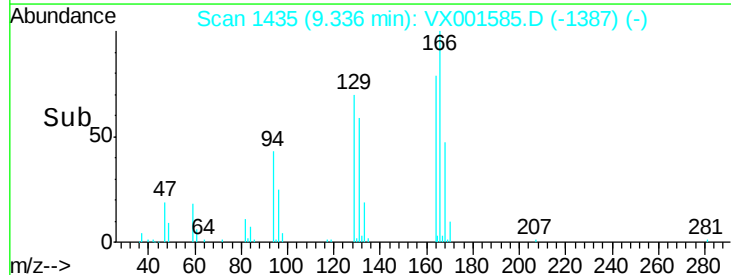
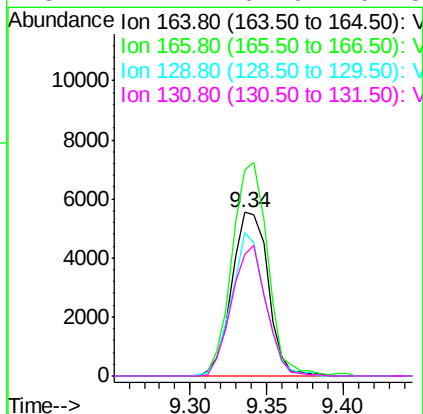
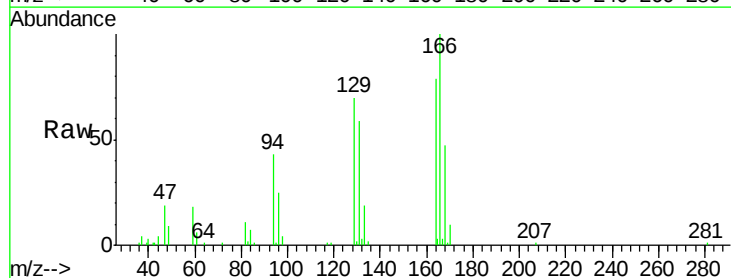
Instrument :
MSVOA_X
ClientSampleId :
SB-4

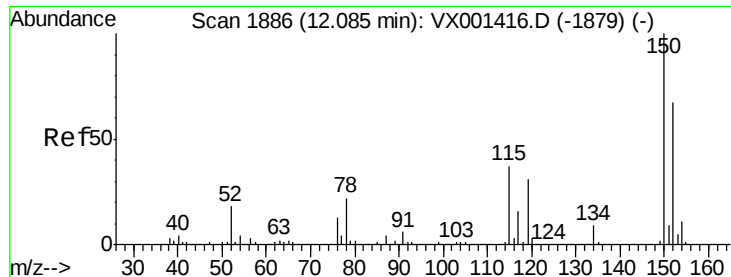
Tgt Ion:117 Resp: 314292
Ion Ratio Lower Upper
117 100
82 50.4 40.0 60.0
119 32.9 25.8 38.8



#64
Tetrachloroethene
Concen: 2.09 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX001585.D
Acq: 10 May 2018 05:07

Tgt Ion:164 Resp: 9145
Ion Ratio Lower Upper
164 100
166 125.8 103.5 155.3
129 87.9 66.7 100.1
131 74.4 64.9 97.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Instrument :

MSVOA_X

ClientSampleId :

SB-4

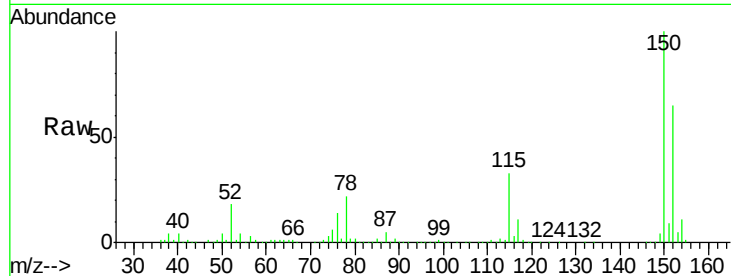
Tgt Ion:152 Resp: 187536

Ion Ratio Lower Upper

152 100

115 52.2 37.7 113.1

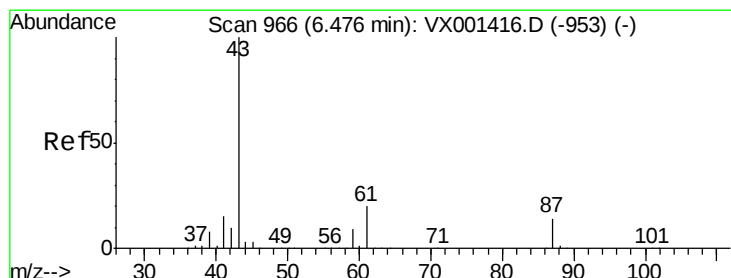
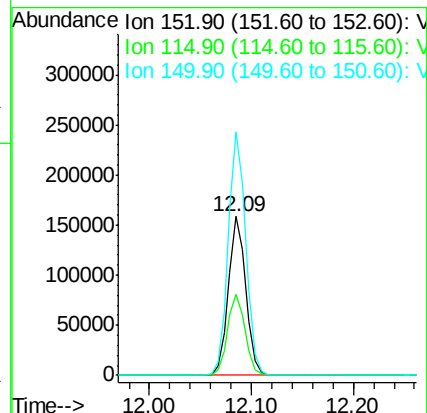
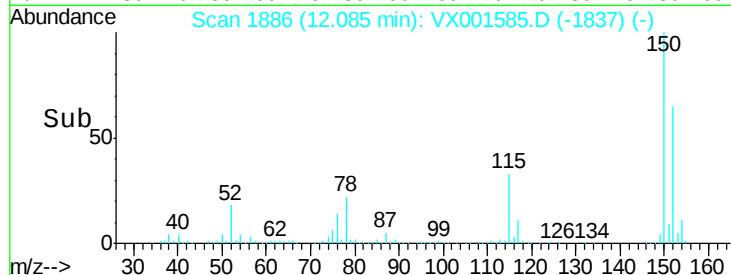
150 155.1 0.0 349.4



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



#74

N-ethyl acetate

Concen: 0.28 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX001585.D

Acq: 10 May 2018 05:07

Tgt Ion: 43 Resp: 1659

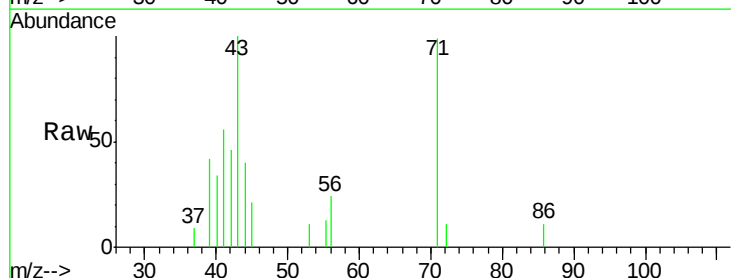
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 16.6 0.1 0.1#

61 0.0 15.4 23.0#

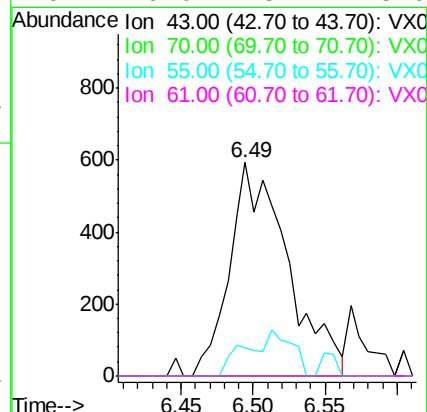
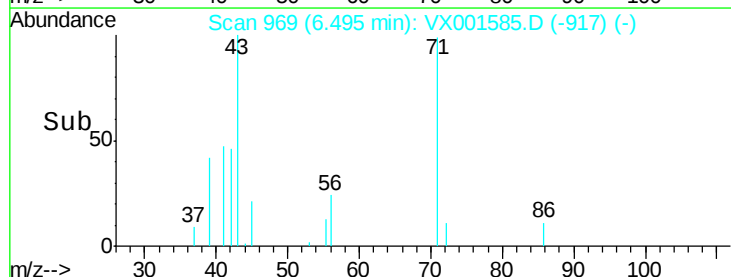


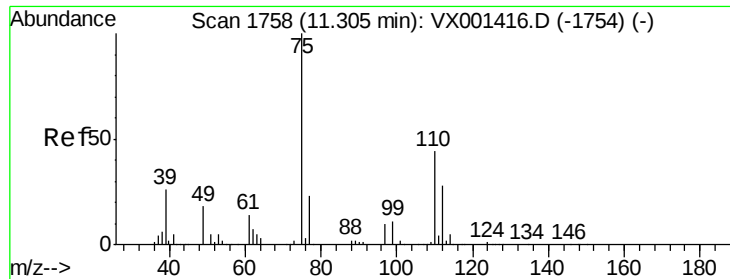
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

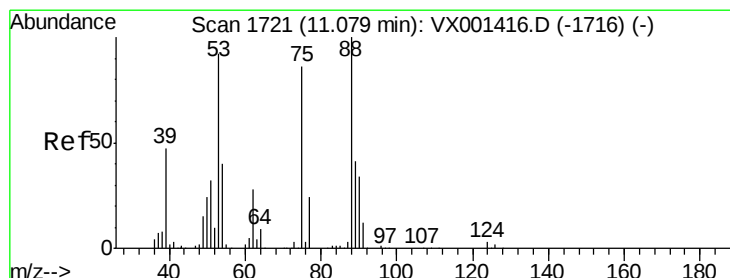
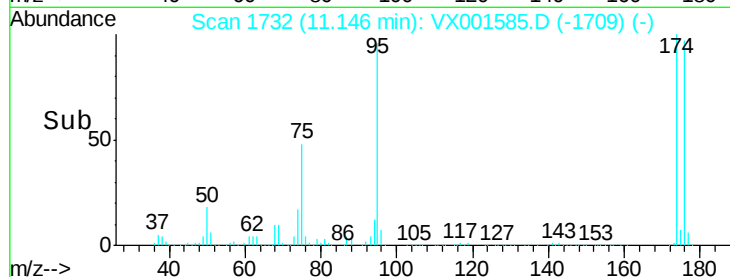
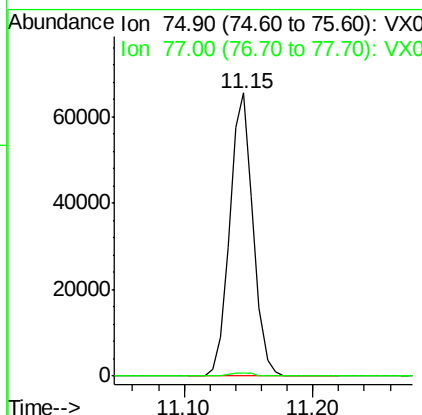
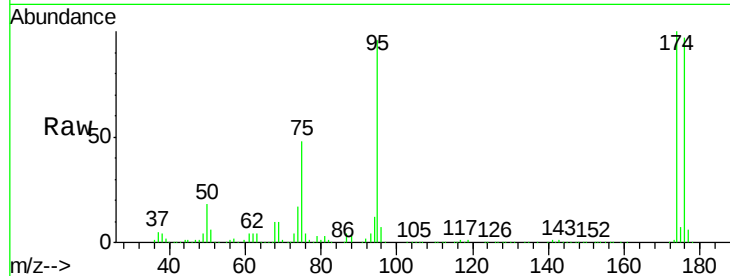




#76
 1,2,3-Trichloropropane
 Concen: 21.73 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX001585.D
 Acq: 10 May 2018 05:07

Instrument :
 MSVOA_X
 ClientSampled :
 SB-4

Tgt Ion: 75 Resp: 82640
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.62 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.07 min
 Lab File: VX001585.D
 Acq: 10 May 2018 05:07

Tgt Ion: 75 Resp: 82640
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.1 39.5 59.3#

