

Data File : VX001969.D

Acq On : 25 May 2018 11:44

Operator : JC/MD

Sample : VX0525MBL01

Misc : 5.0g/10mL/100uL/5mL/MSVOA_X/MEOH

ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBL01

Quant Time: May 26 00:33:34 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	415377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	587976	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	540447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	301443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	386423	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	5.51	113	304367	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
50) Toluene-d8	8.72	98	1130019	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	11.14	95	421241	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	51	Below Cal	#	41
5) Bromomethane	1.65	94	1159	Below Cal		93
10) Methyl Iodide	2.51	142	1451	0.21 ug/l	#	65
11) Tert butyl alcohol	3.03	59	1943	1.33 ug/l	#	72
13) Acrolein	2.31	56	142	0.23 ug/l	#	1
16) Acetone	2.45	43	1464	0.51 ug/l	#	57
18) Methyl Acetate	2.78	43	638	Below Cal	#	85
20) Methylene Chloride	2.85	84	605	Below Cal		91
21) trans-1,2-Dichloroethene	3.16	96	382	Below Cal	#	24
28) Bromochloromethane	5.04	49	107	Below Cal	#	14
31) Cyclohexane	5.67	56	8323	0.81 ug/l	#	2
36) 1,1-Dichloropropene	5.67	75	28433	3.48 ug/l	#	53
38) Carbon Tetrachloride	5.67	117	36811	3.86 ug/l	#	15
41) Methacrylonitrile	5.08	41	415	Below Cal	#	50
51) 4-Methyl-2-Pentanone	8.72	43	5951	0.56 ug/l	#	1
74) N-amyl acetate	6.49	43	146	Below Cal	#	59
75) 1,1,2,2-Tetrachloroethane	11.27	83	54	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	220303	30.43 ug/l	#	33
79) 2-Chlorotoluene	11.43	91	588	Below Cal		81
81) trans-1,4-Dichloro-2-buten	11.14	75	220303	73.13 ug/l	#	10

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

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Instrument :

MSVOA_X

ClientSampleId :

VX0525MBL01

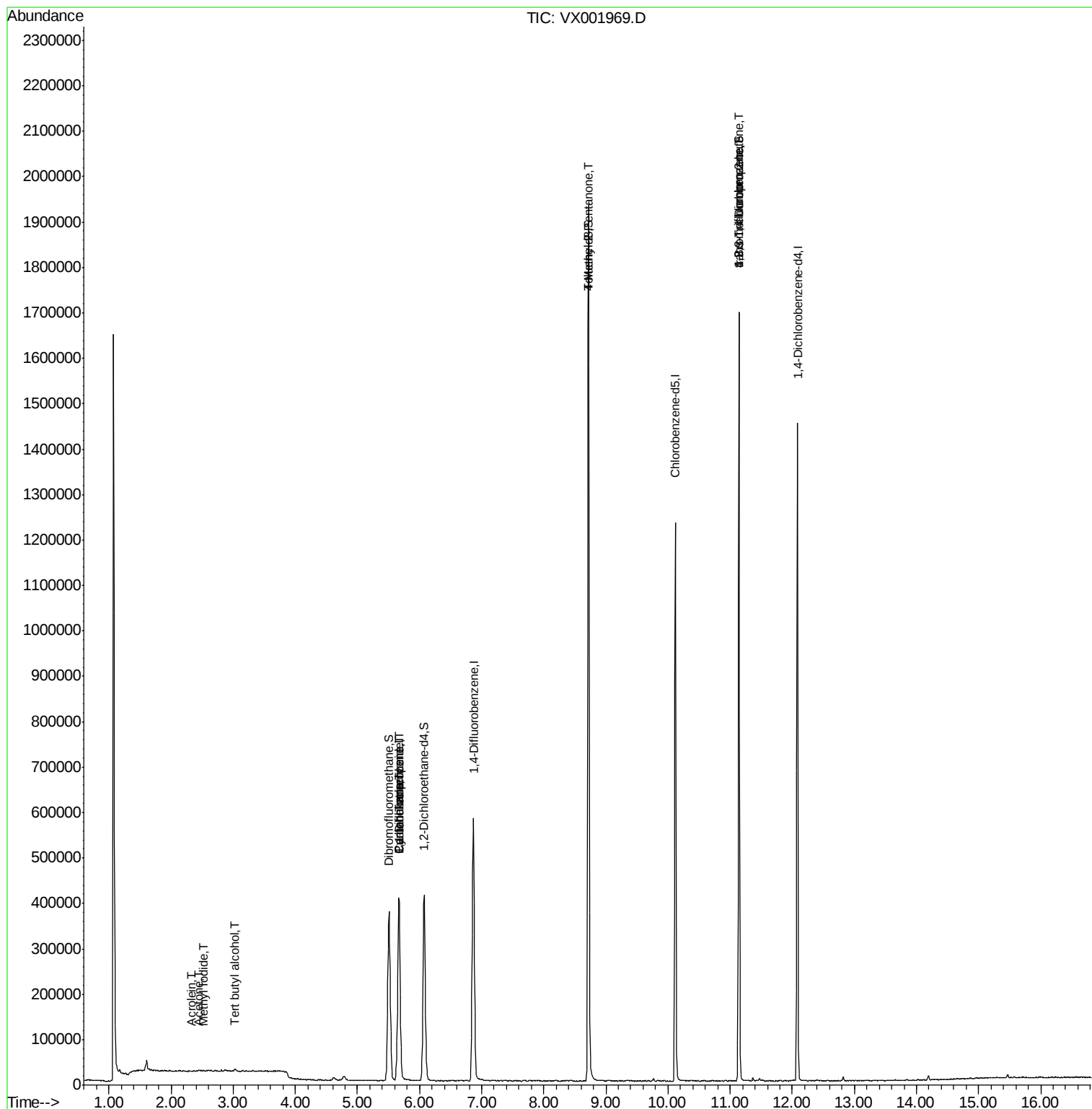
Quant Time: May 26 00:33:34 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

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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: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

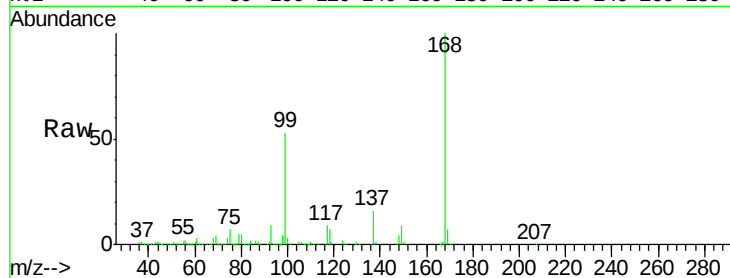
VX0525MBL01

Tgt Ion:168 Resp: 415377

Ion Ratio Lower Upper

168 100

99 52.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

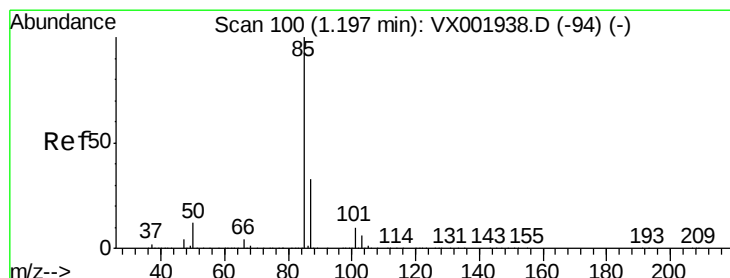
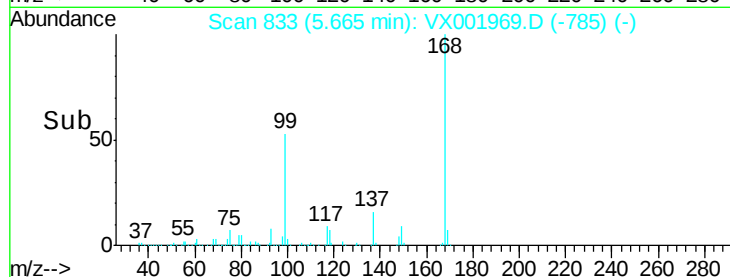
100000

50000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.21 min Scan# 102

Delta R.T. 0.01 min

Lab File: VX001969.D

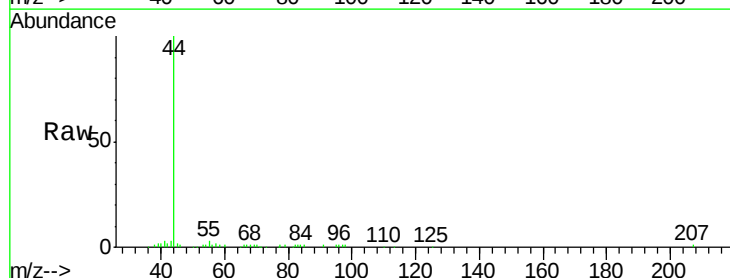
Acq: 25 May 2018 11:44

Tgt Ion: 85 Resp: 51

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.21

200

150

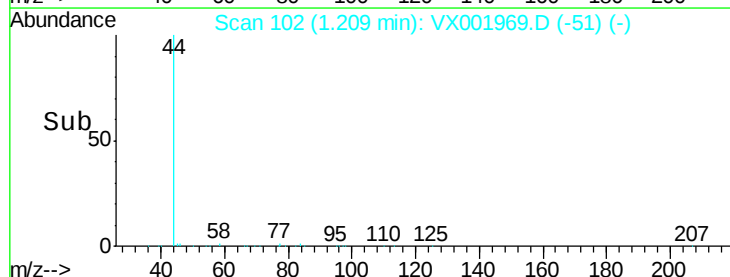
100

50

0

1.19 1.20 1.21 1.22

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

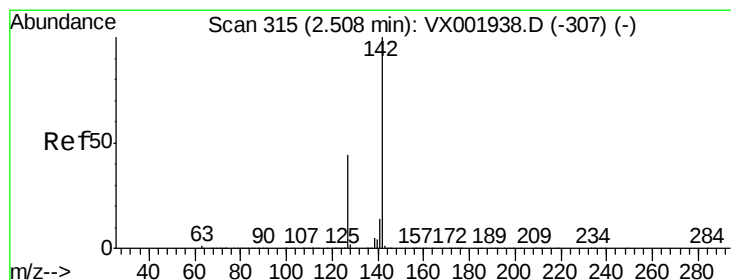
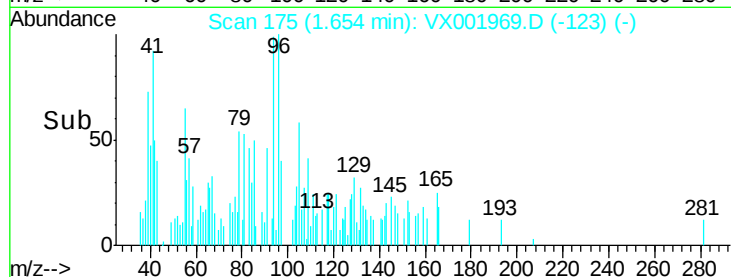
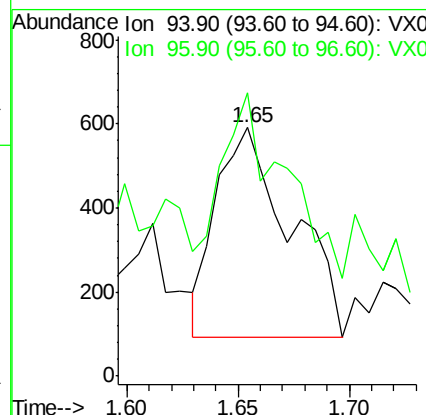
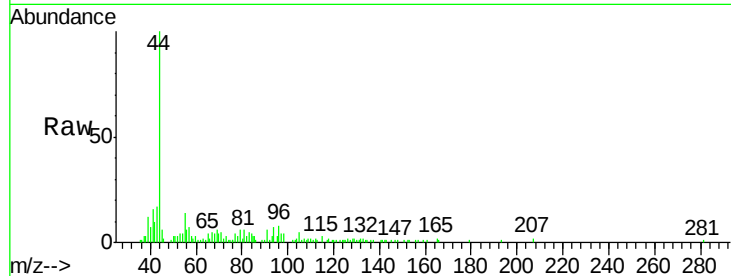
VX0525MBL01

Tgt Ion: 94 Resp: 1159

Ion Ratio Lower Upper

94 100

96 88.2 75.9 113.9



#10

Methyl Iodide

Concen: 0.21 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

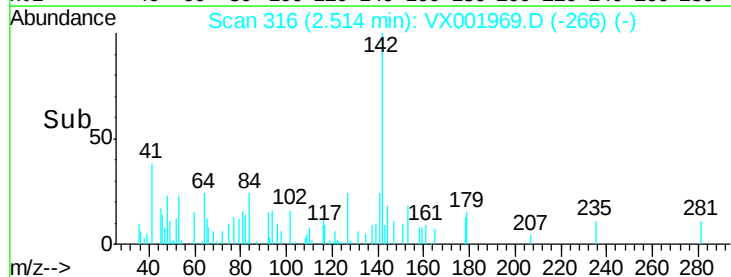
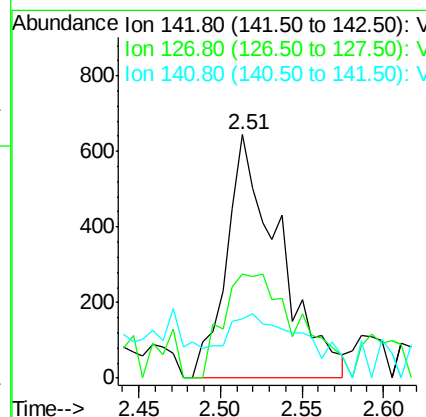
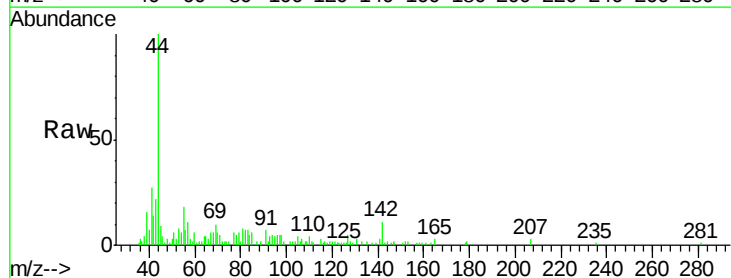
Tgt Ion: 142 Resp: 1451

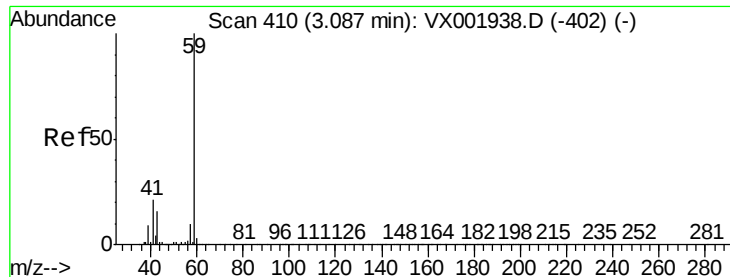
Ion Ratio Lower Upper

142 100

127 60.6 35.5 53.3#

141 40.9 11.3 16.9#



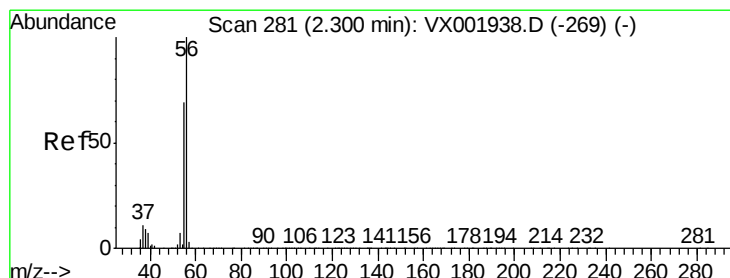
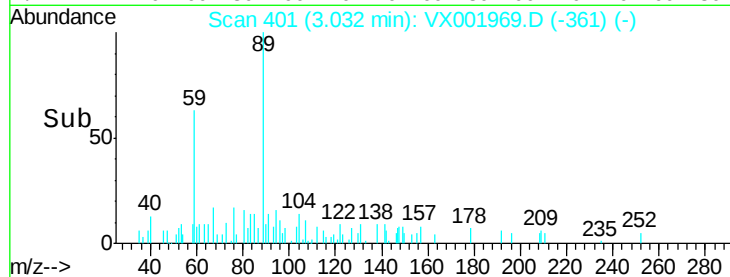
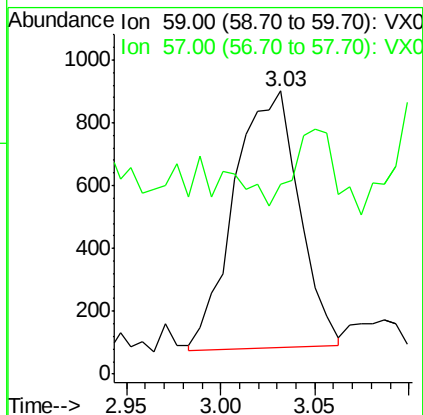
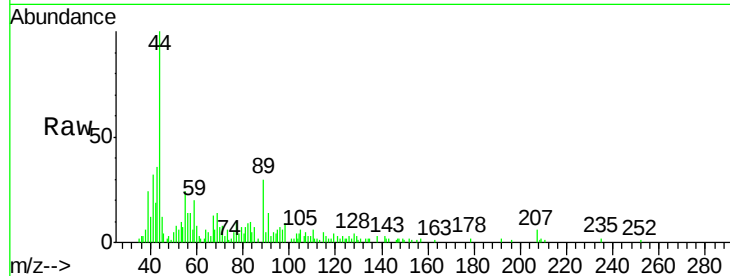


#11

Tert butyl alcohol
 Concen: 1.33 ug/l
 RT: 3.03 min Scan# 401
 Delta R.T. -0.06 min
 Lab File: VX001969.D
 Acq: 25 May 2018 11:44

Instrument :
 MSVOA_X
 ClientSampled :
 VX0525MBL01

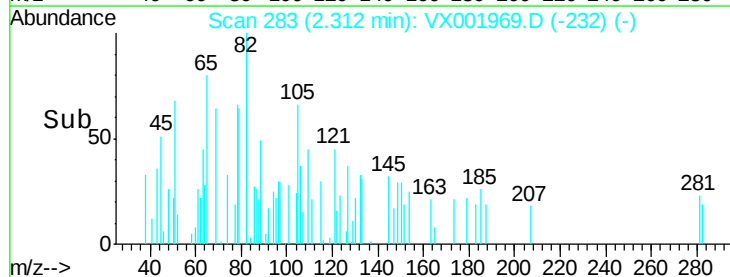
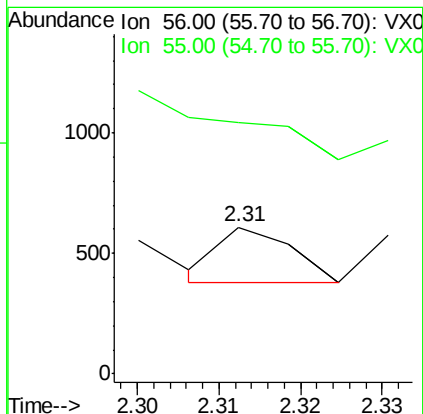
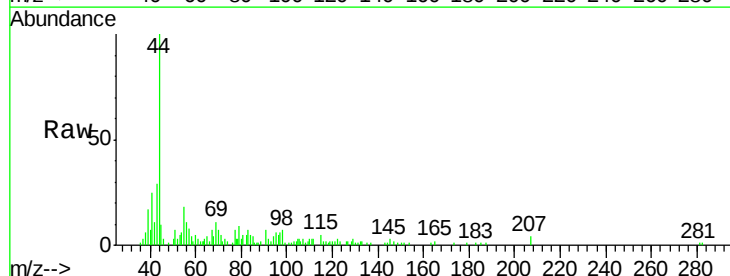
Tgt Ion: 59 Resp: 1943
 Ion Ratio Lower Upper
 59 100
 57 21.9 8.9 13.3#

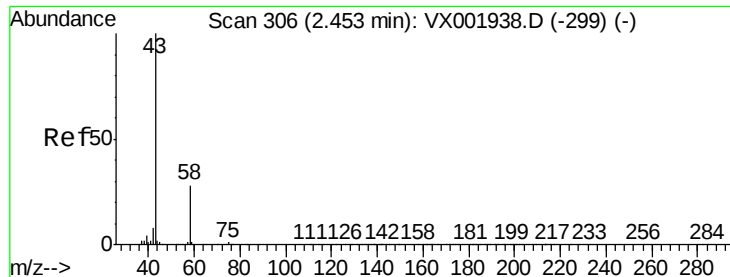


#13

Acrolein
 Concen: 0.23 ug/l
 RT: 2.31 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: VX001969.D
 Acq: 25 May 2018 11:44

Tgt Ion: 56 Resp: 142
 Ion Ratio Lower Upper
 56 100
 55 190.8 56.8 85.2#





#16

Acetone

Concen: 0.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

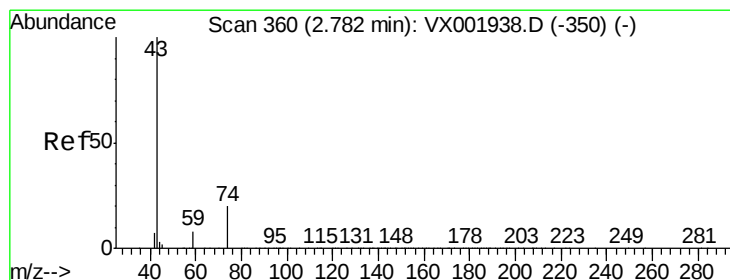
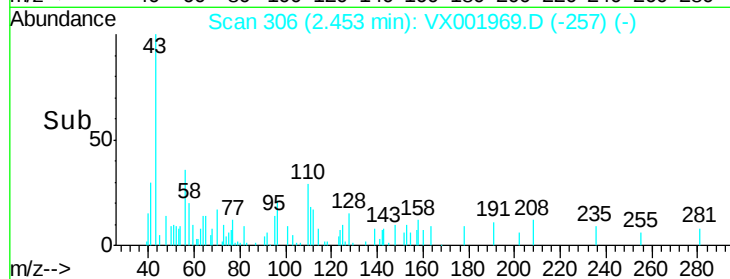
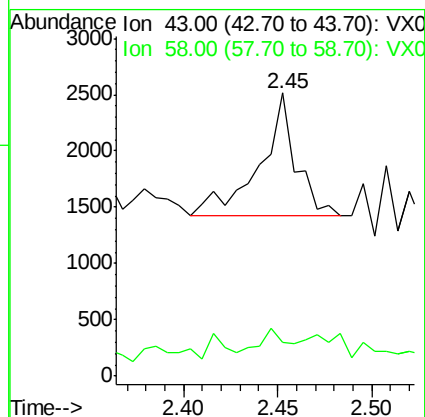
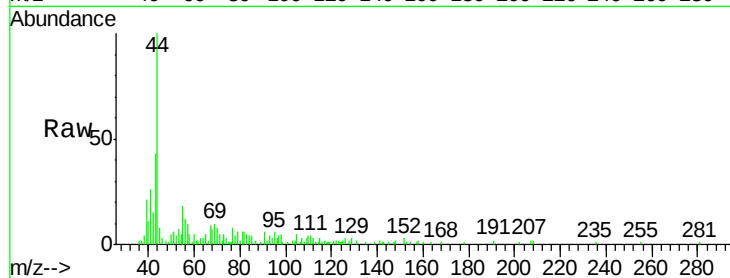
VX0525MBL01

Tgt Ion: 43 Resp: 1464

Ion Ratio Lower Upper

43 100

58 5.4 22.3 33.5#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX001969.D

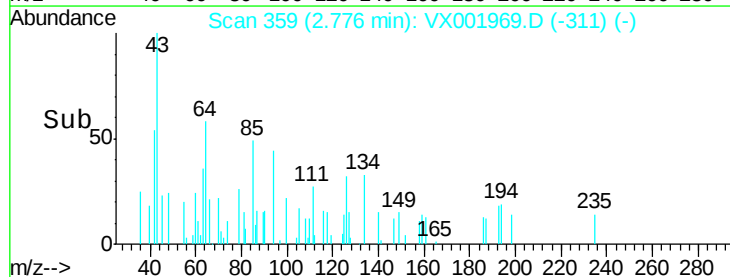
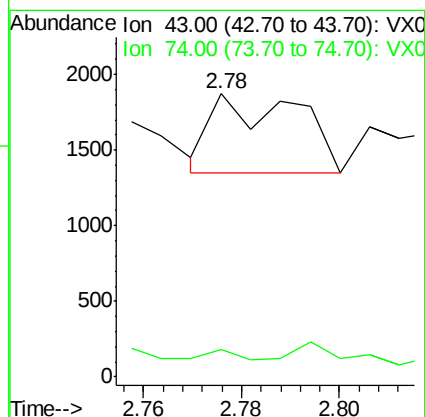
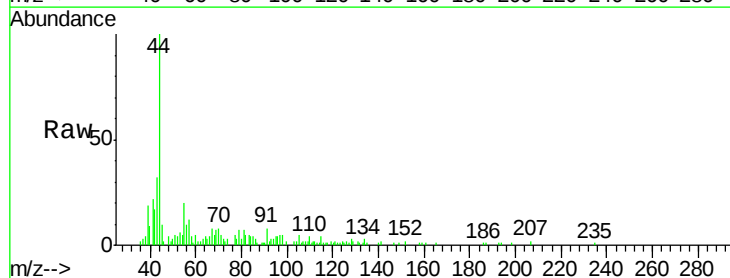
Acq: 25 May 2018 11:44

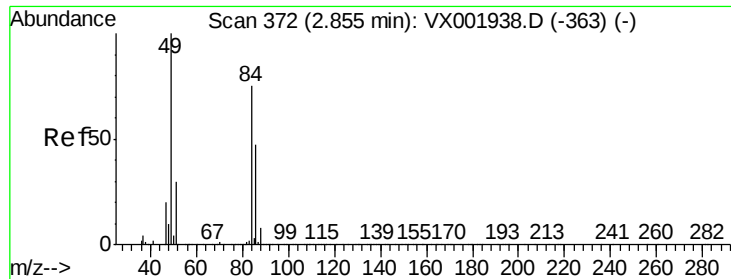
Tgt Ion: 43 Resp: 638

Ion Ratio Lower Upper

43 100

74 14.1 16.8 25.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0525MBL01

Tgt Ion: 84 Resp: 605

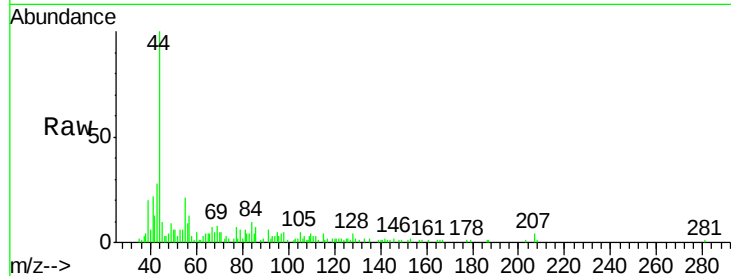
Ion Ratio Lower Upper

84 100

49 124.8 107.2 160.8

51 45.5 32.4 48.6

86 71.4 50.4 75.6

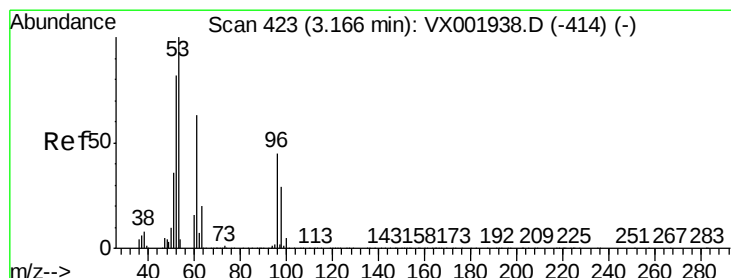
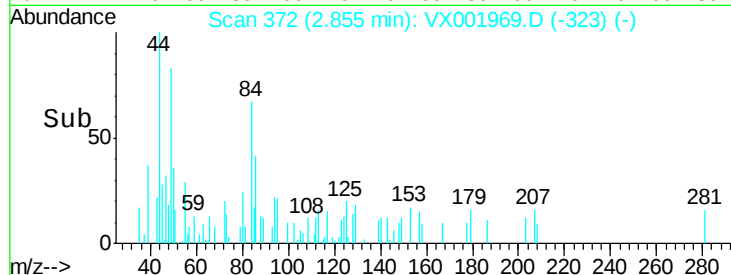
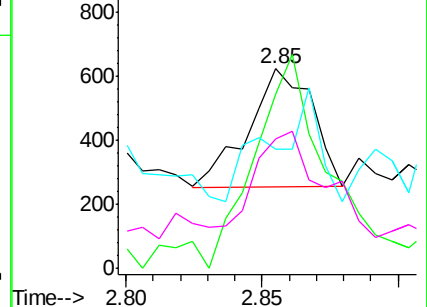


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

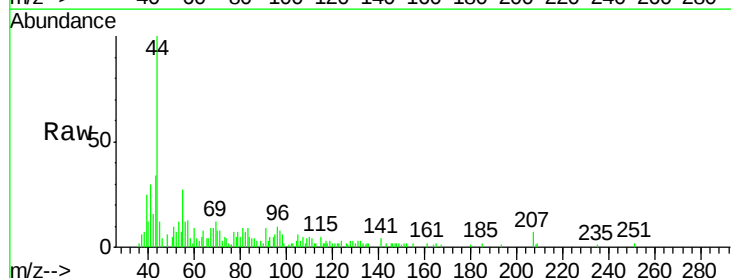
Tgt Ion: 96 Resp: 382

Ion Ratio Lower Upper

96 100

61 50.8 113.3 169.9#

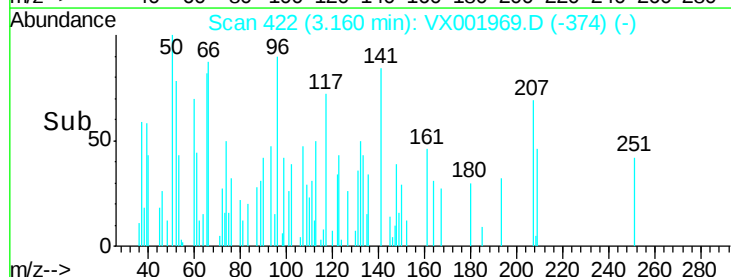
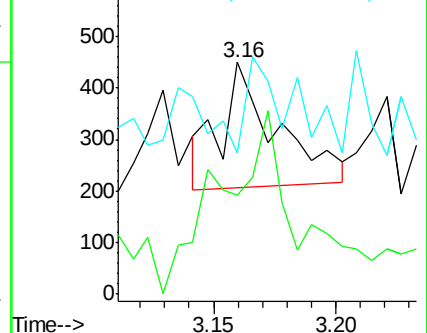
98 0.5 51.7 77.5#

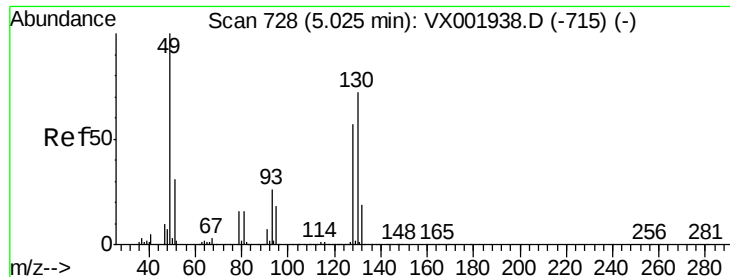


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 731

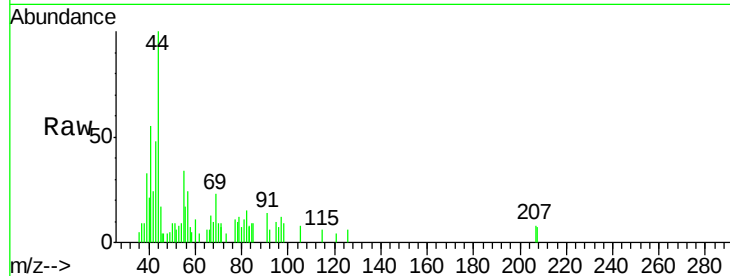
Delta R.T. 0.02 min

Lab File: VX001969.D

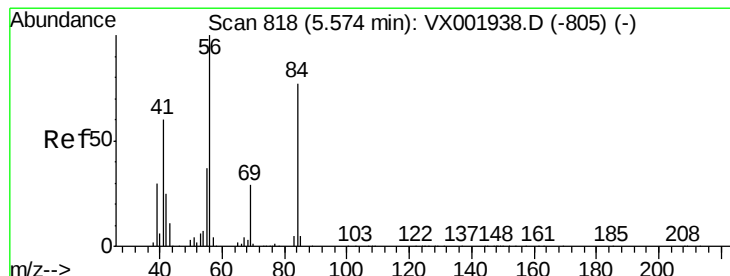
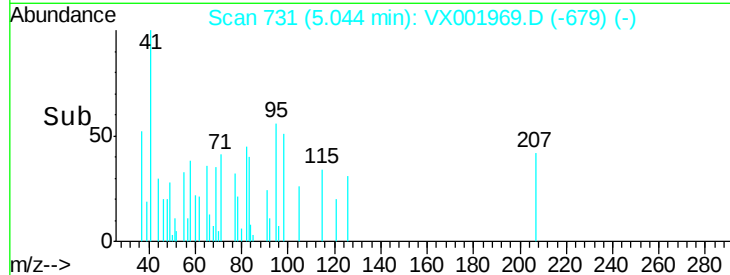
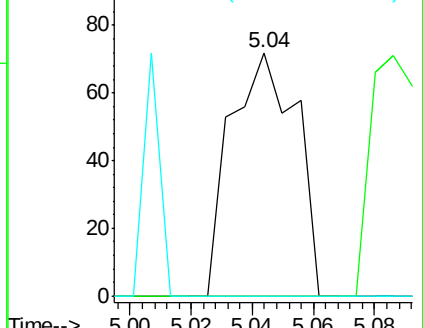
Acq: 25 May 2018 11:44

Instrument :
MSVOA_X
ClientSampleId :
VX0525MBL01

Tgt Ion:	49	Resp:	107
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.81 ug/l

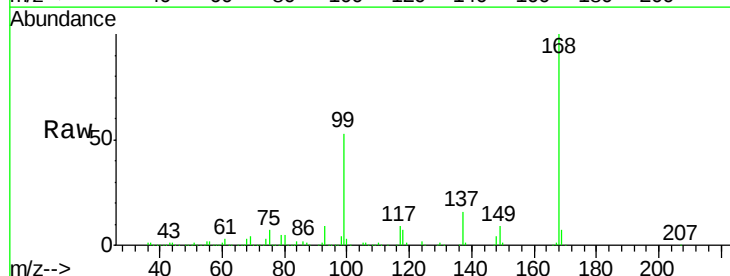
RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

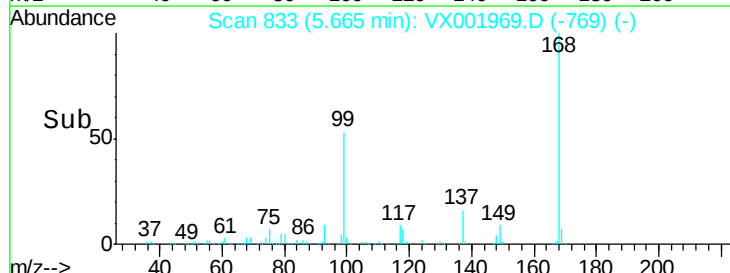
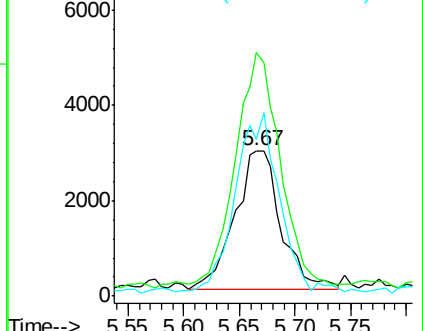
Lab File: VX001969.D

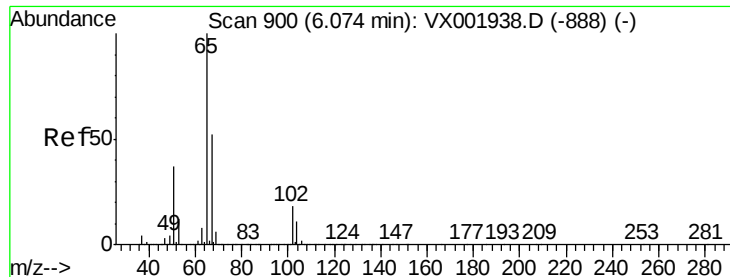
Acq: 25 May 2018 11:44

Tgt Ion:	56	Resp:	8323
Ion	Ratio	Lower	Upper
56	100		
69	168.1	23.1	34.7#
84	109.8	62.0	93.0#



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: 52.04 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

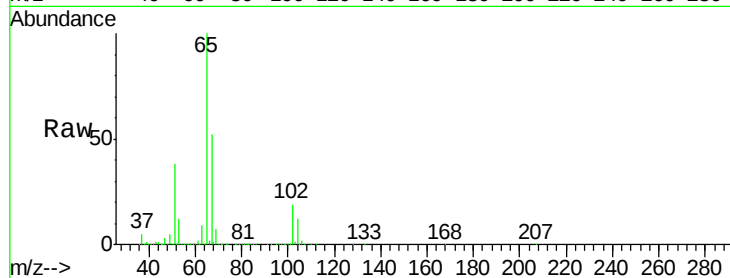
VX0525MBL01

Tgt Ion: 65 Resp: 386423

Ion Ratio Lower Upper

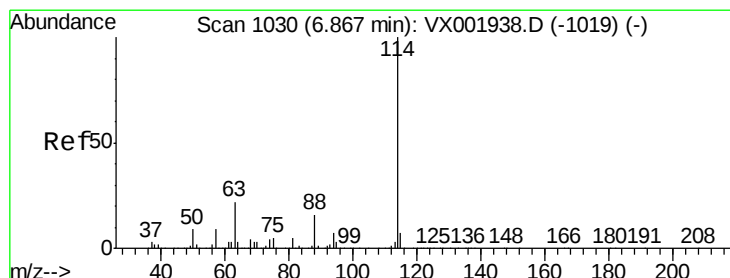
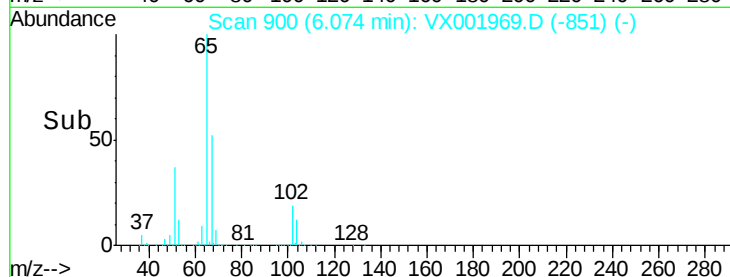
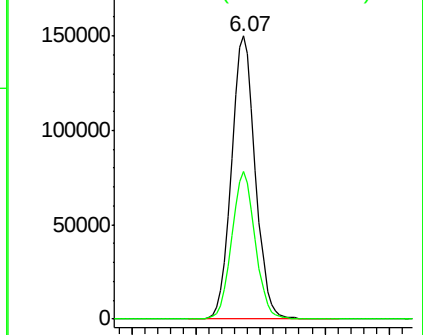
65 100

67 51.5 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

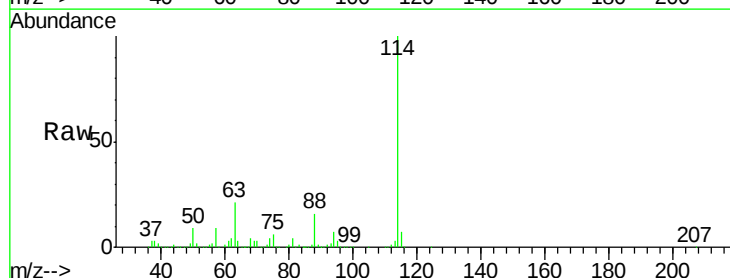
Tgt Ion: 114 Resp: 587976

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

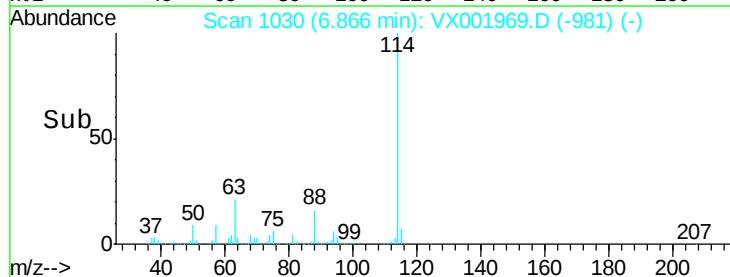
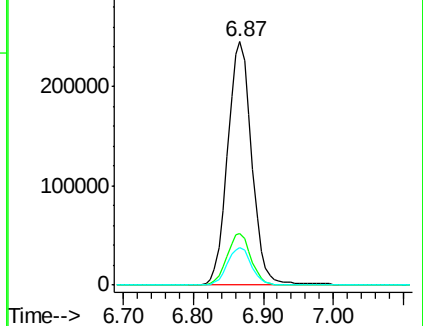
88 15.5 0.0 31.6

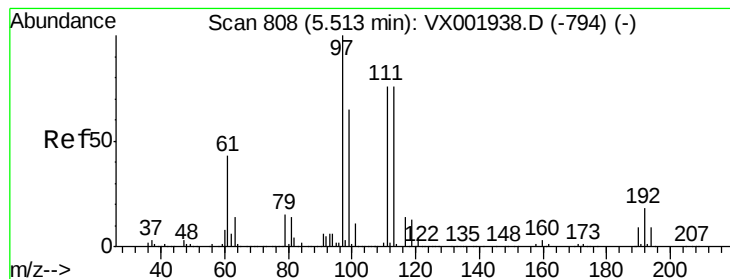


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.77 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampled :

VX0525MBL01

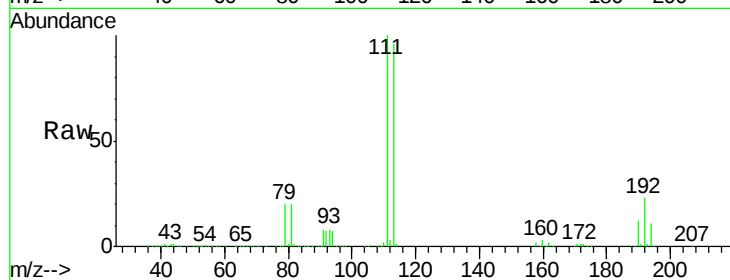
Tgt Ion:113 Resp: 304367

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

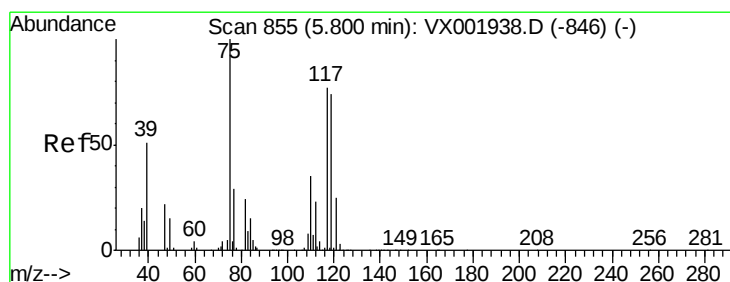
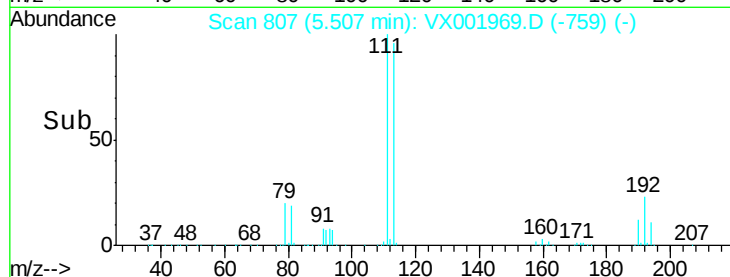
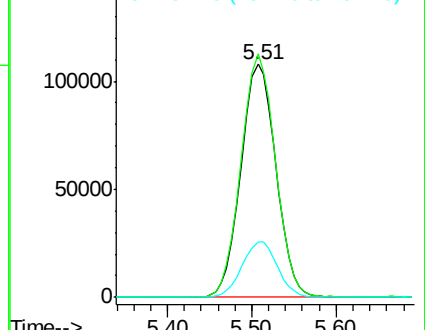
192 24.0 18.9 28.3



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: 3.48 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

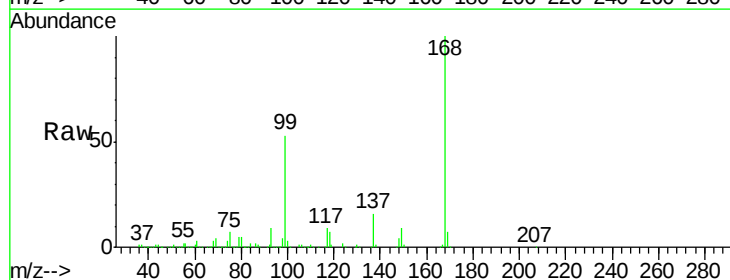
Tgt Ion: 75 Resp: 28433

Ion Ratio Lower Upper

75 100

110 11.6 17.4 52.2#

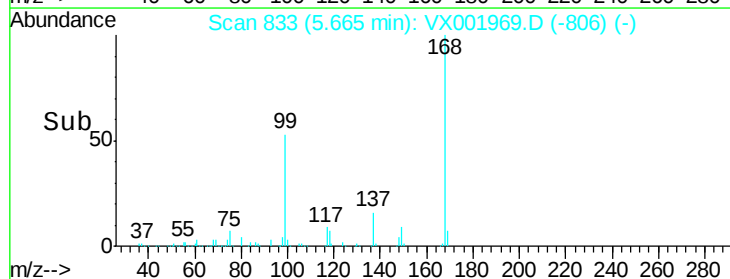
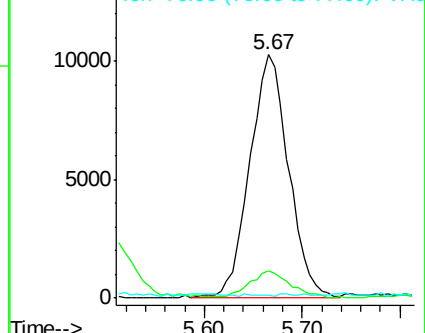
77 0.3 24.4 36.6#

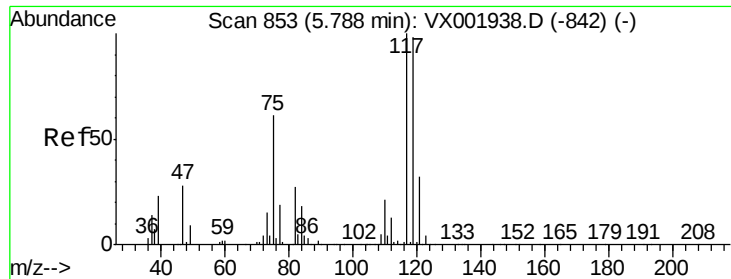


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.86 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBL01

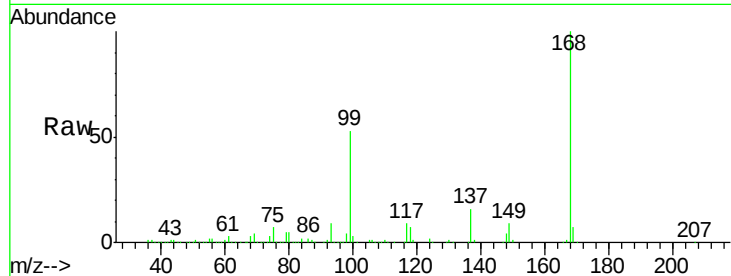
Tgt Ion:117 Resp: 36811

Ion Ratio Lower Upper

117 100

119 5.6 78.5 117.7#

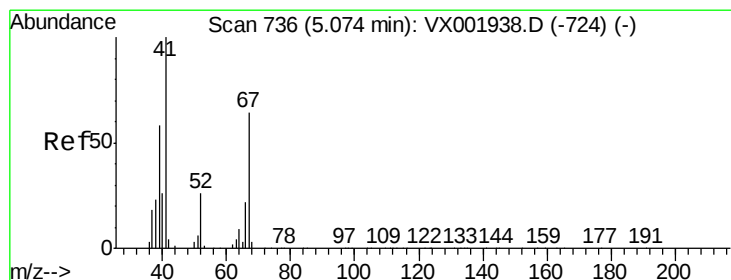
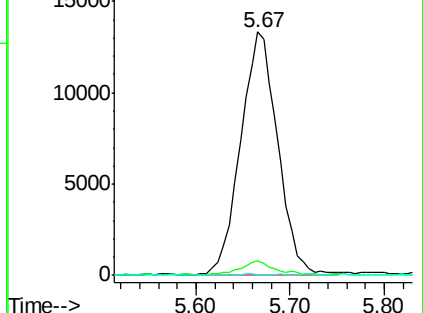
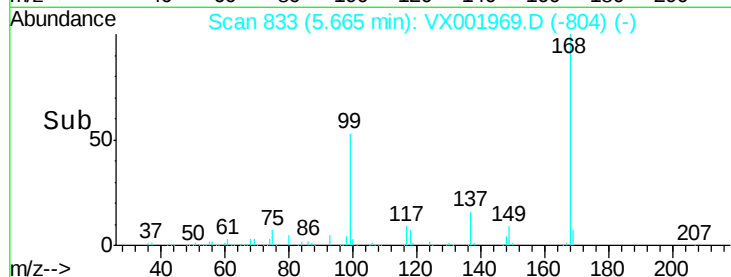
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.08 min Scan# 737

Delta R.T. 0.01 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Tgt Ion: 41 Resp: 415

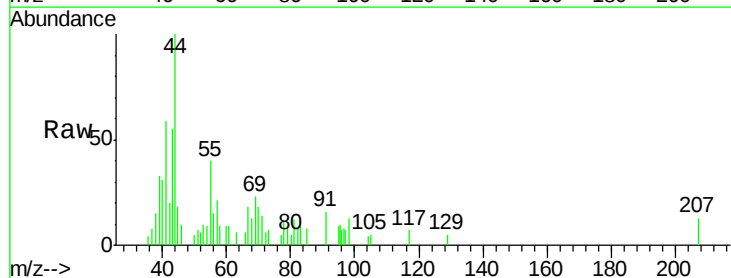
Ion Ratio Lower Upper

41 100

39 18.1 46.0 69.0#

67 21.7 50.6 75.8#

52 45.8 21.9 32.9#

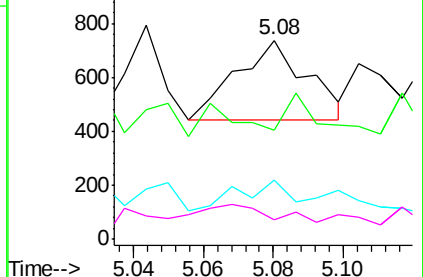
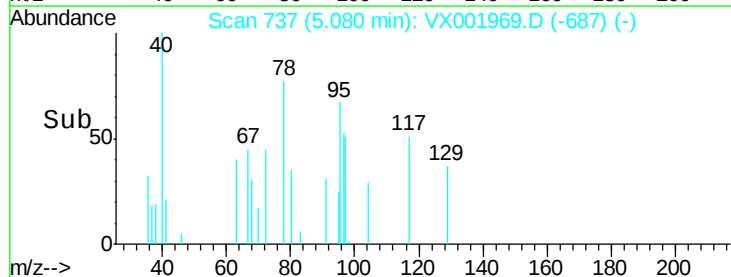


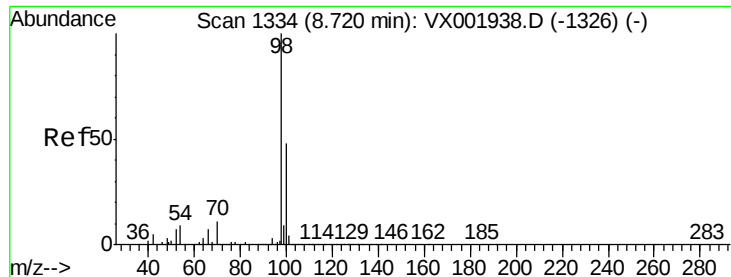
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

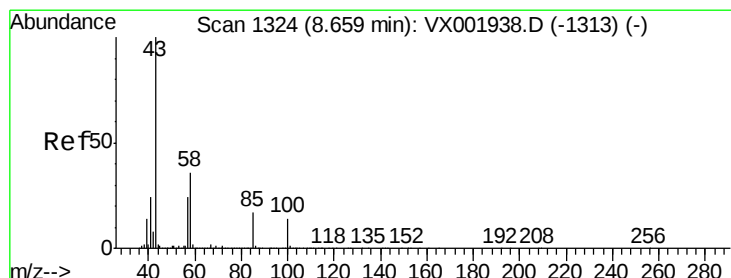
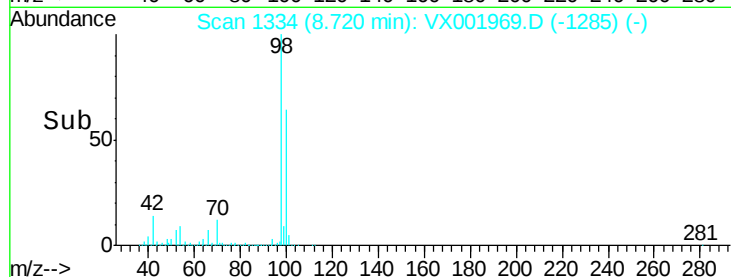
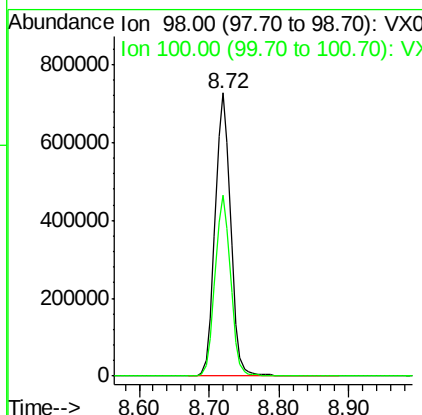
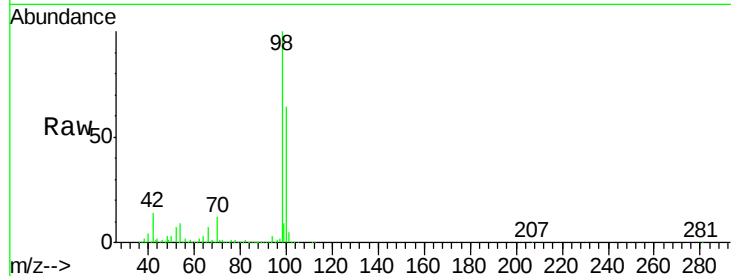




#50
Toluene-d8
Concen: 53.09 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001969.D
Acq: 25 May 2018 11:44

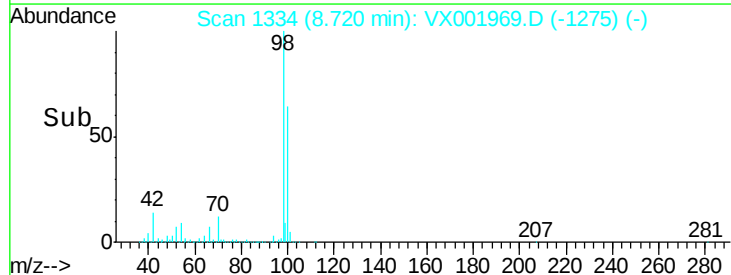
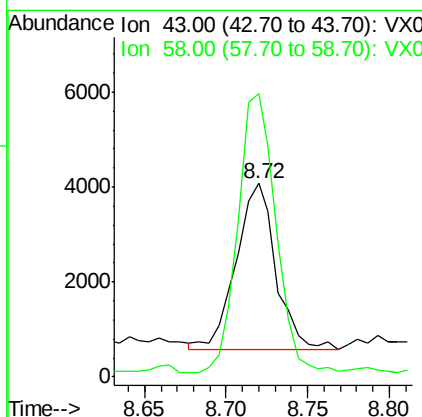
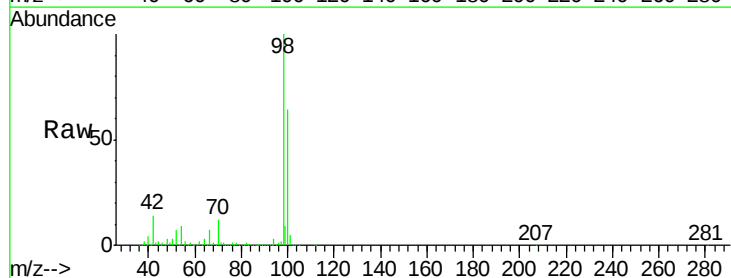
Instrument :
MSVOA_X
ClientSampleId :
VX0525MBL01

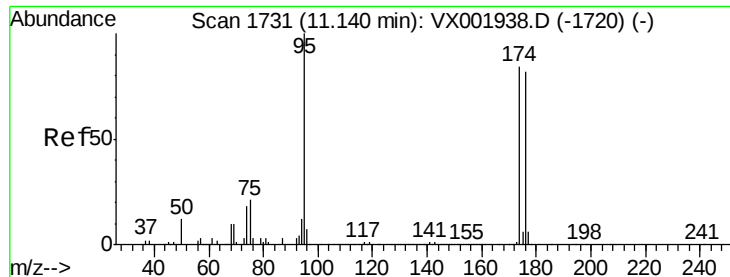
Tgt Ion: 98 Resp: 1130019
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX001969.D
Acq: 25 May 2018 11:44

Tgt Ion: 43 Resp: 5951
Ion Ratio Lower Upper
43 100
58 159.0 28.5 42.7#

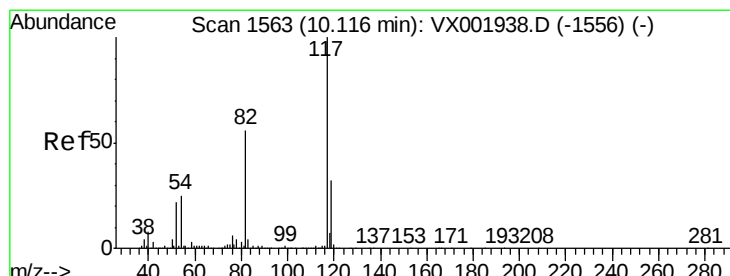
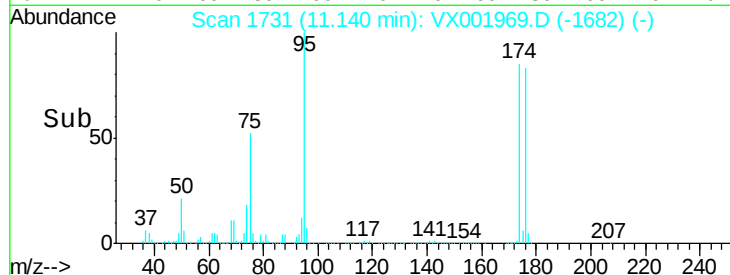
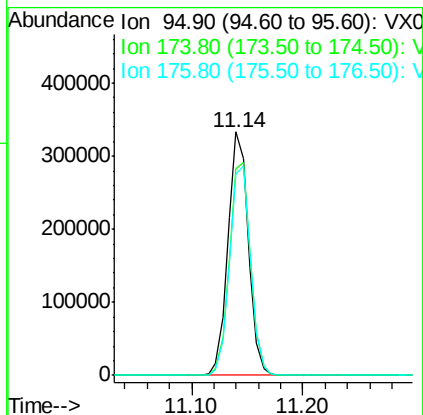
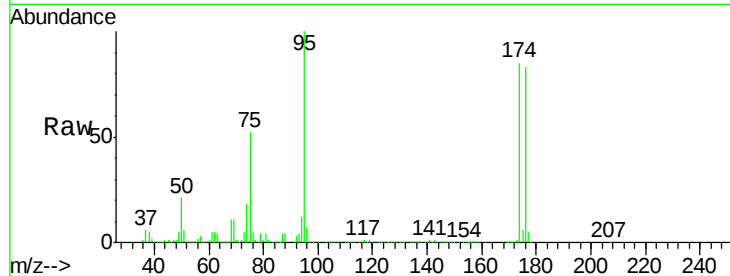




#62
4-Bromofluorobenzene
Concen: 50.58 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001969.D
Acq: 25 May 2018 11:44

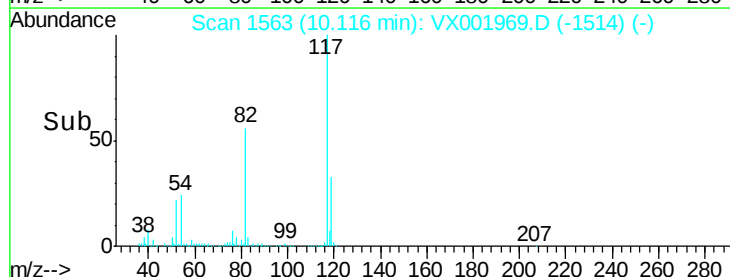
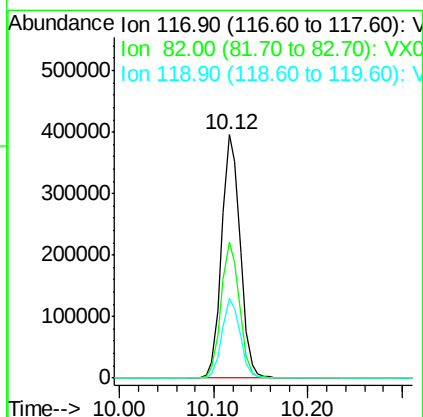
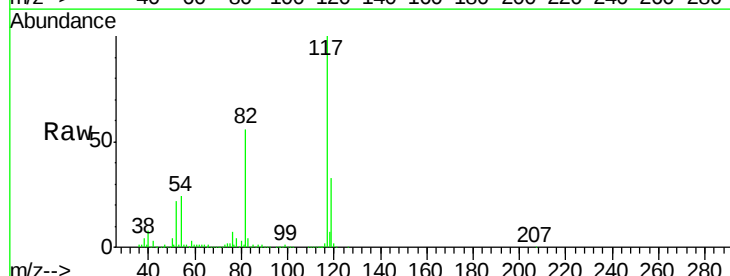
Instrument :
MSVOA_X
ClientSampleId :
VX0525MBL01

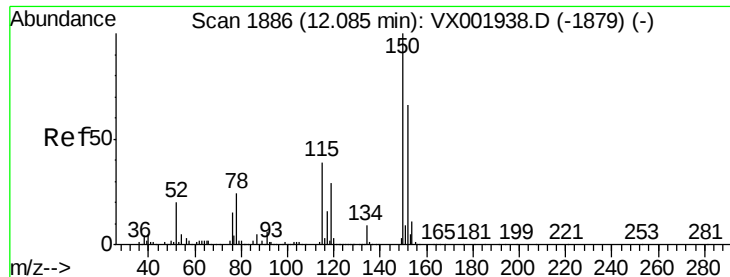
Tgt Ion: 95 Resp: 421241
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.8
176 88.8 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX001969.D
Acq: 25 May 2018 11:44

Tgt Ion: 117 Resp: 540447
Ion Ratio Lower Upper
117 100
82 56.1 44.8 67.2
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBL01

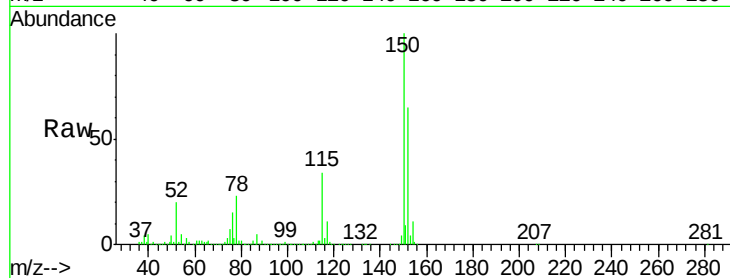
Tgt Ion:152 Resp: 301443

Ion Ratio Lower Upper

152 100

115 55.0 42.3 126.8

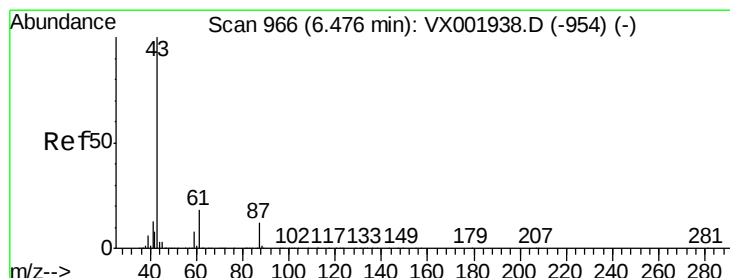
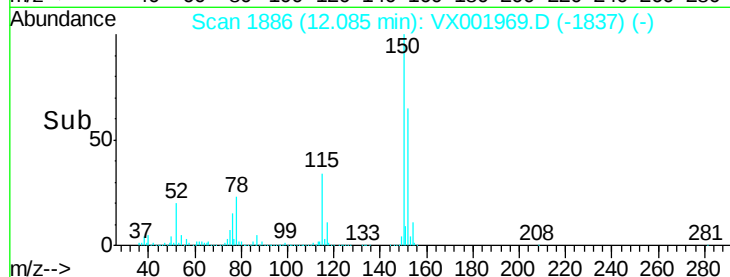
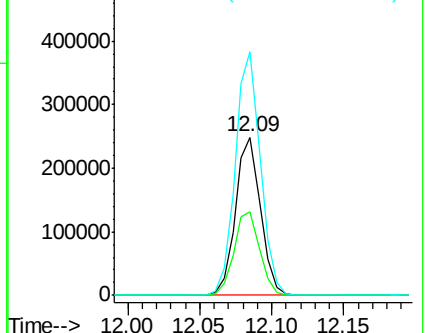
150 155.5 0.0 351.0



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Tgt Ion: 43 Resp: 146

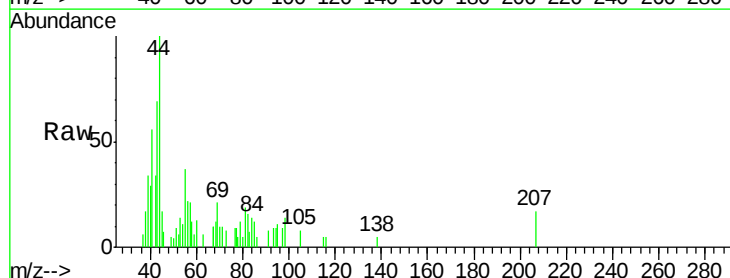
Ion Ratio Lower Upper

43 100

70 45.2 0.1 0.1#

55 317.1 0.1 0.1#

61 0.0 14.5 21.7#

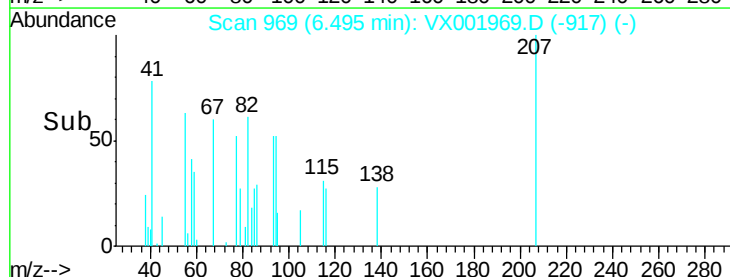
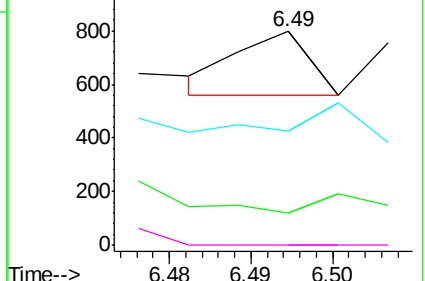


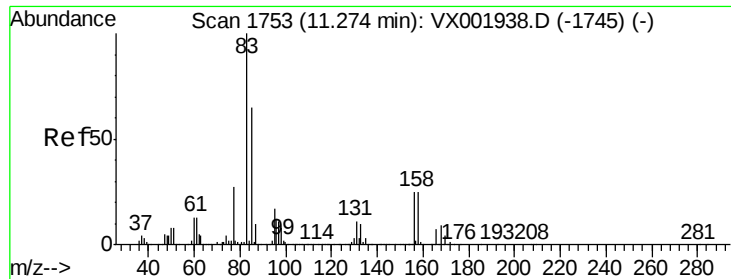
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX001969.D

Acq: 25 May 2018 11:44

Instrument :

MSVOA_X

ClientSampleId :

VX0525MBL01

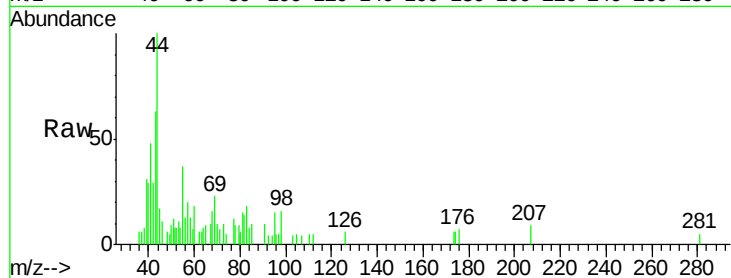
Tgt Ion: 83 Resp: 54

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

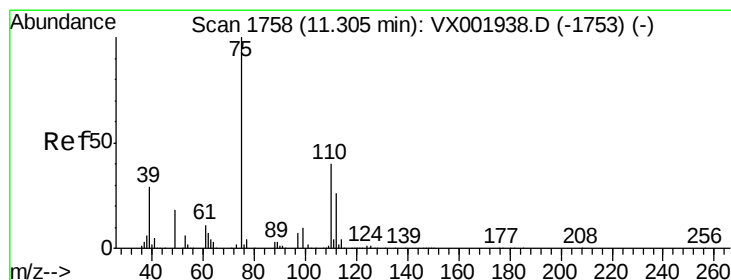
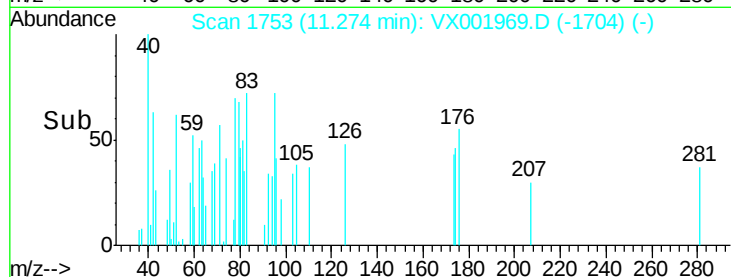
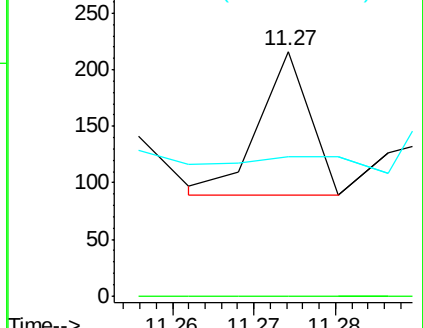
85 0.0 32.6 97.7#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 30.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001969.D

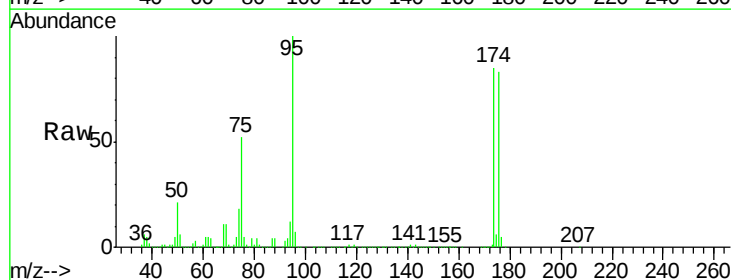
Acq: 25 May 2018 11:44

Tgt Ion: 75 Resp: 220303

Ion Ratio Lower Upper

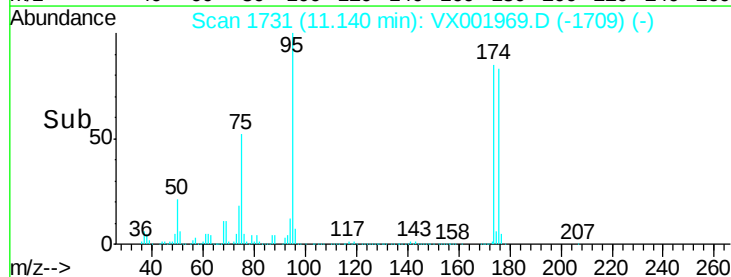
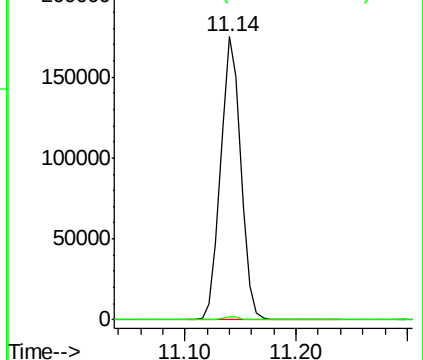
75 100

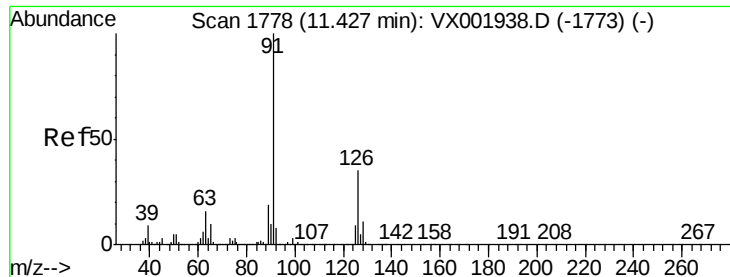
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

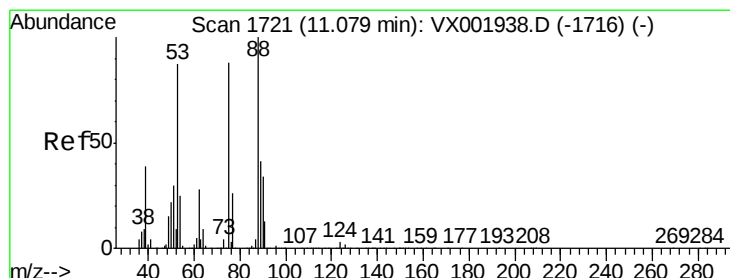
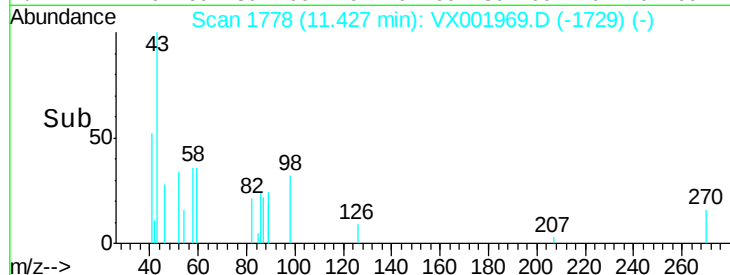
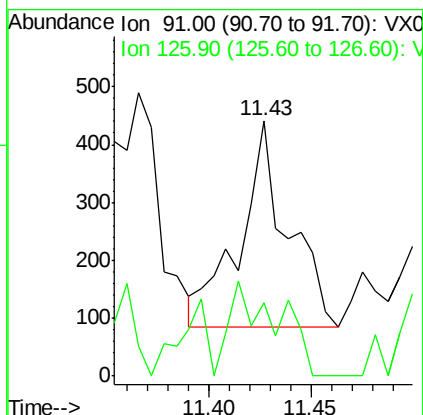
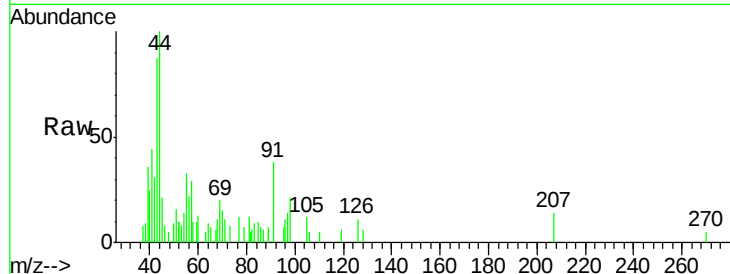




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.43 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VX001969.D
Acq: 25 May 2018 11:44

Instrument :
MSVOA_X
ClientSampled :
VX0525MBL01

Tgt Ion: 91 Resp: 588
Ion Ratio Lower Upper
91 100
126 45.6 17.4 52.2



#81
trans-1,4-Dichloro-2-butene
Concen: 73.13 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001969.D
Acq: 25 May 2018 11:44

Tgt Ion: 75 Resp: 220303
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 39.4 59.2#

