

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072919\
 Data File : VX011135.D
 Acq On : 29 Jul 2019 10:54
 Operator : JC/SP
 Sample : VX0729WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0729WBL01

Quant Time: Jul 30 05:02:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	308355	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	283863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	129857	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	107019	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	5.49	113	100350	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	8.71	98	370519	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	11.13	95	125387	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

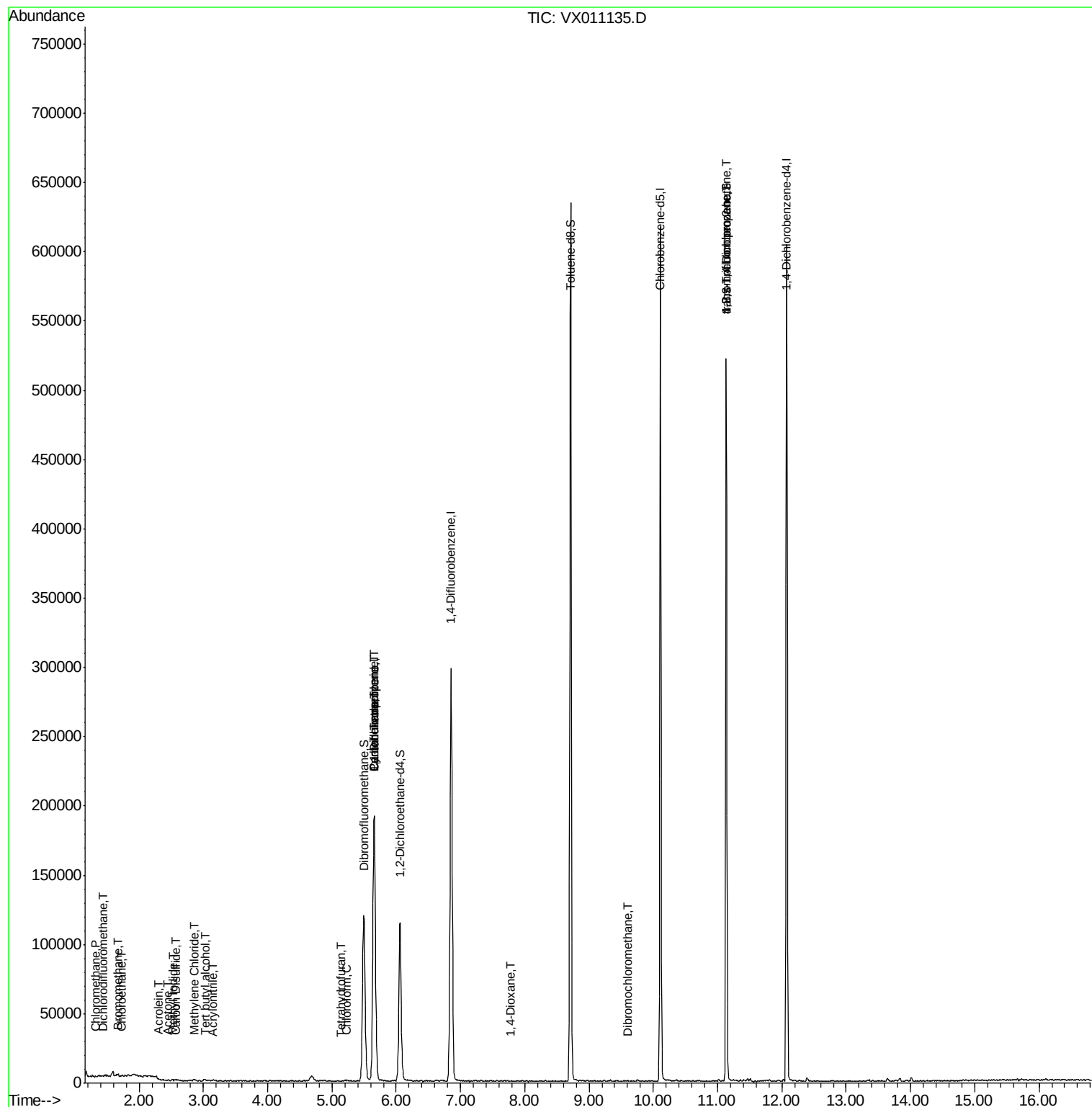
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.45	85	21	0.556	ug/l #	43
3) Chloromethane	1.33	50	495	0.279	ug/l	96
5) Bromomethane	1.67	94	810	0.795	ug/l #	60
6) Chloroethane	1.73	64	231	0.201	ug/l #	44
10) Methyl Iodide	2.52	142	700	0.305	ug/l #	48
11) Tert butyl alcohol	3.03	59	843	1.764	ug/l #	75
13) Acrolein	2.31	56	90	0.326	ug/l #	23
15) Acrylonitrile	3.13	53	240	0.249	ug/l #	57
16) Acetone	2.44	43	545	0.588	ug/l	95
17) Carbon Disulfide	2.57	76	1127	0.256	ug/l #	75
20) Methylene Chloride	2.87	84	466	0.237	ug/l #	66
29) Tetrahydrofuran	5.15	42	240	0.285	ug/l #	29
30) Chloroform	5.22	83	726	0.220	ug/l	93
31) Cyclohexane	5.65	56	3863	1.387	ug/l #	17
36) 1,1-Dichloropropene	5.65	75	13157	5.195	ug/l #	48
38) Carbon Tetrachloride	5.65	117	17795	6.742	ug/l #	16
49) 1,4-Dioxane	7.77	88	26	0.447	ug/l #	1
60) Dibromochloromethane	9.59	129	24	2.537	ug/l #	11
76) 1,2,3-Trichloropropane	11.13	75	62730	26.770	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	62730	66.403	ug/l #	11

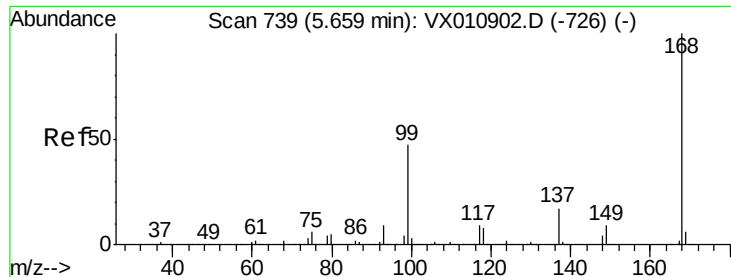
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 24 05:39:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

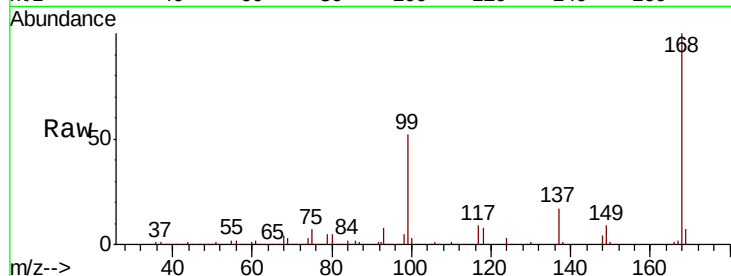
VX0729WBL01

Tot Ion:168 Resp: 192852

Ion Ratio Lower Upper

168 100

99 51.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

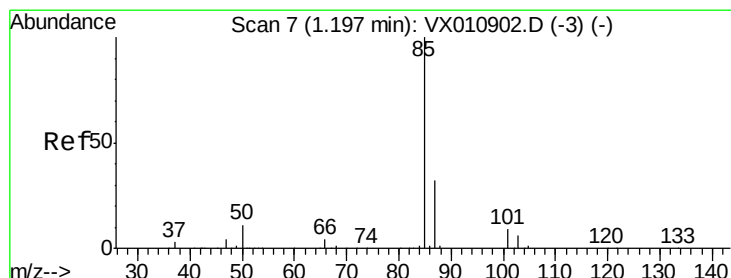
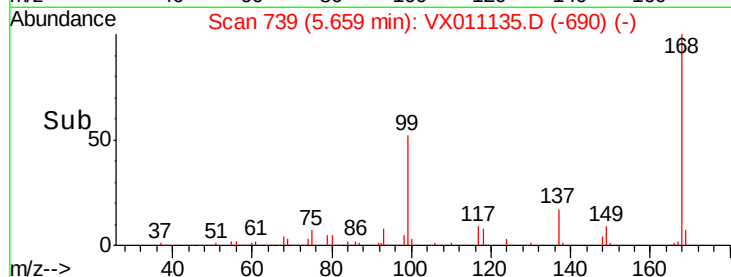
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.556 ug/l

RT: 1.45 min Scan# 48

Delta R.T. 0.25 min

Lab File: VX011135.D

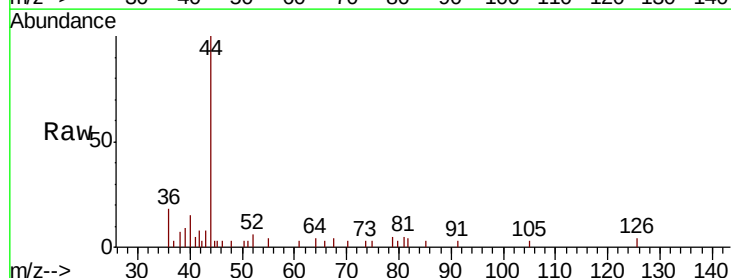
Acq: 29 Jul 2019 10:54

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.45

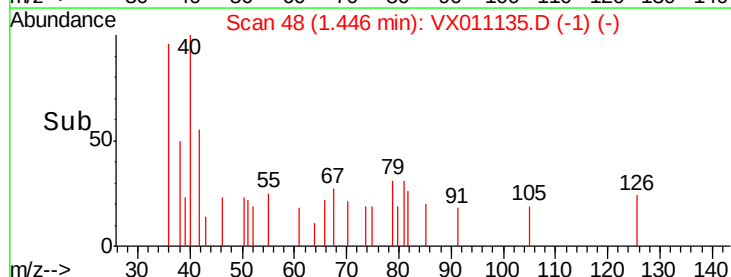
60

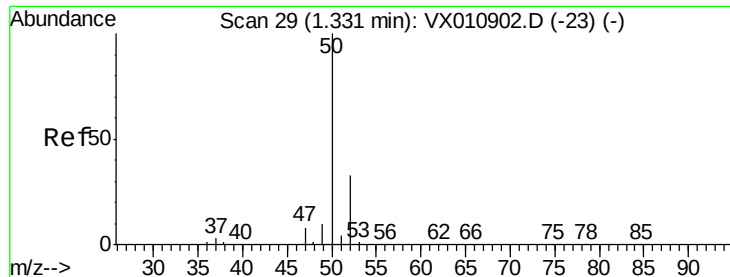
40

20

0

Time--> 1.43 1.44 1.45 1.46





#3

Chloromethane

Concen: 0.279 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

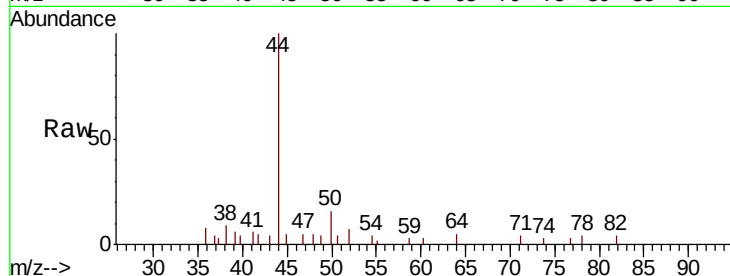
VX0729WBL01

Tot Ion: 50 Resp: 495

Ion Ratio Lower Upper

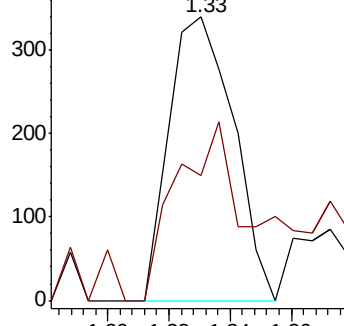
50 100

52 35.1 26.4 39.6

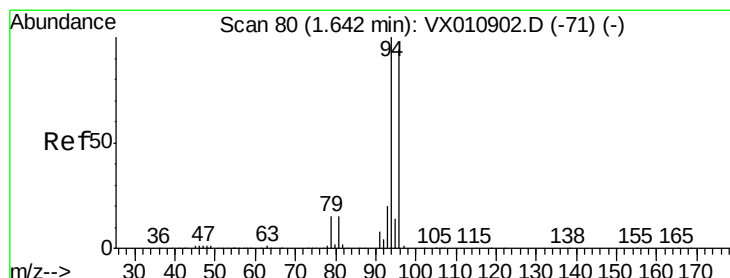
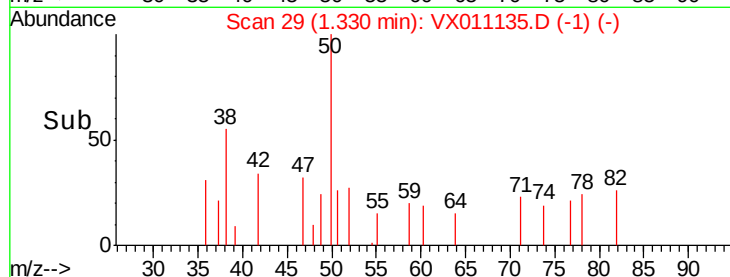


Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->



#5

Bromomethane

Concen: 0.795 ug/l

RT: 1.67 min Scan# 85

Delta R.T. 0.03 min

Lab File: VX011135.D

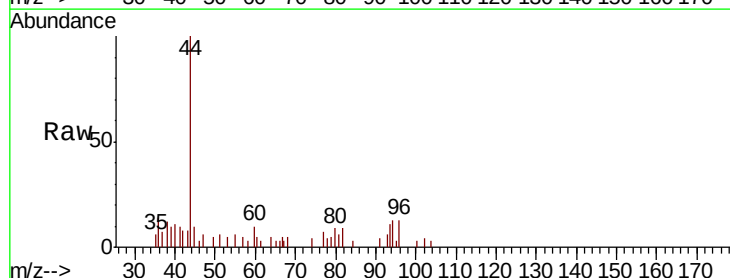
Acq: 29 Jul 2019 10:54

Tgt Ion: 94 Resp: 810

Ion Ratio Lower Upper

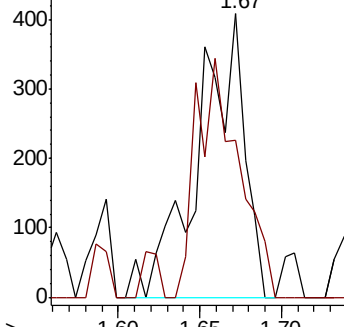
94 100

96 55.6 75.6 113.4#

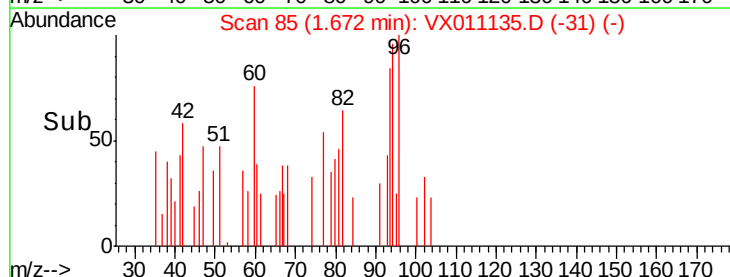


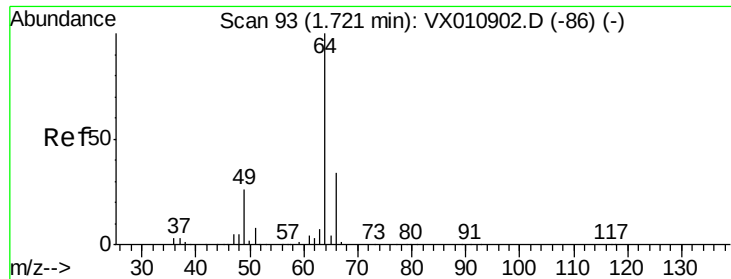
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: 0.201 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

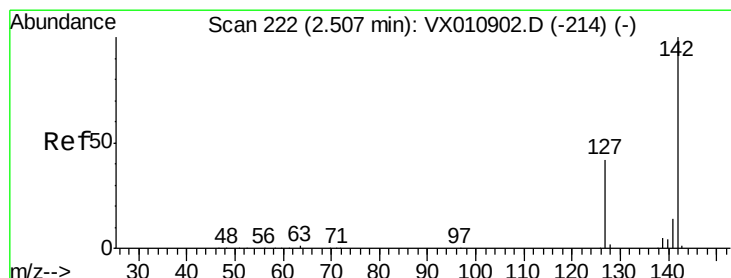
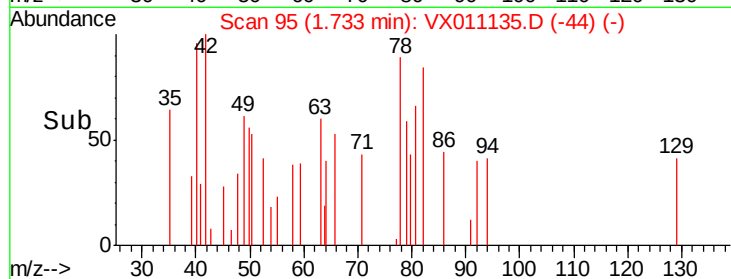
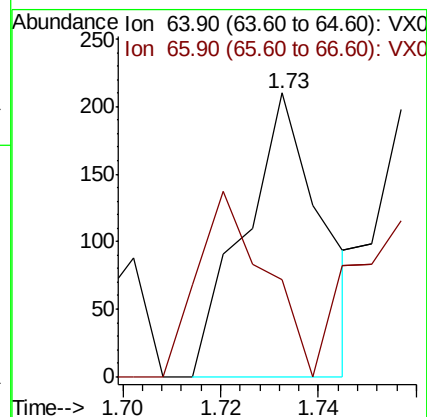
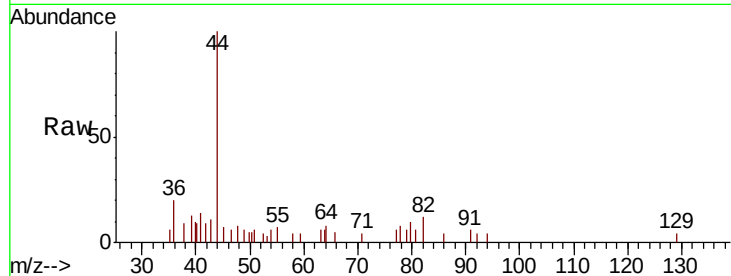
VX0729WBL01

Tot Ion: 64 Resp: 231

Ion Ratio Lower Upper

64 100

66 1.9 27.0 40.6#



#10

Methyl Iodide

Concen: 0.305 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

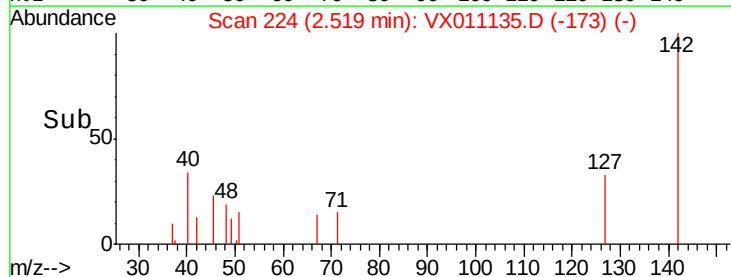
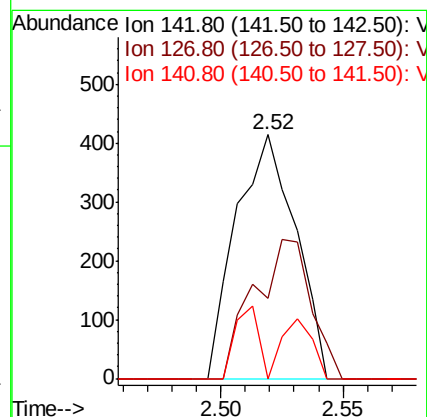
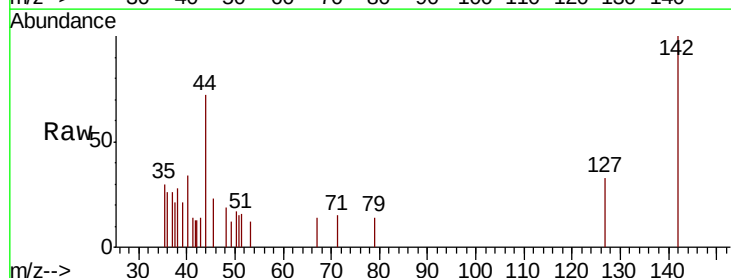
Tgt Ion: 142 Resp: 700

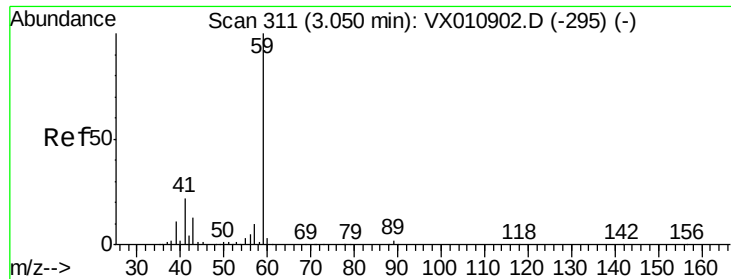
Ion Ratio Lower Upper

142 100

127 0.0 34.2 51.4#

141 11.7 11.7 17.5

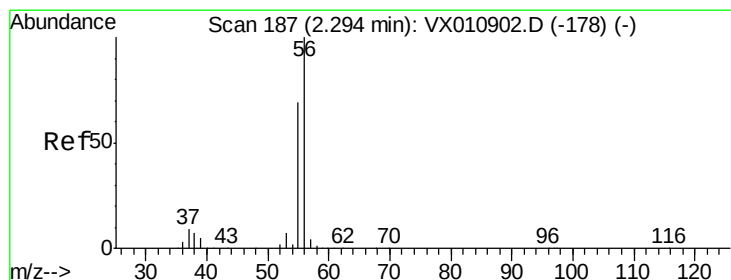
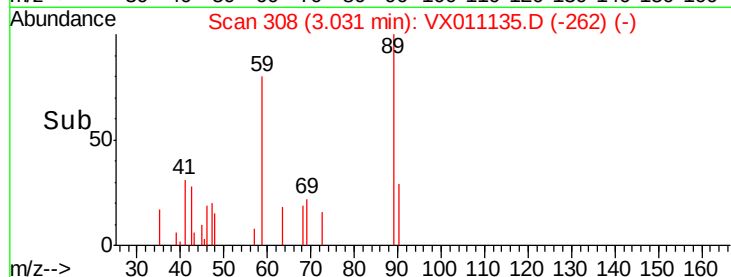
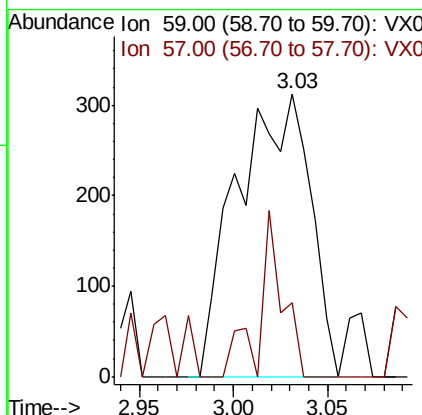
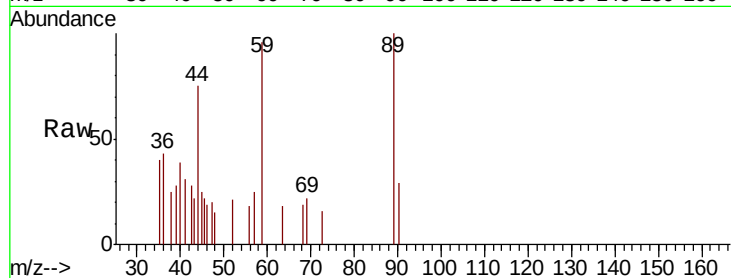




#11
Tert butyl alcohol
Concen: 1.764 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

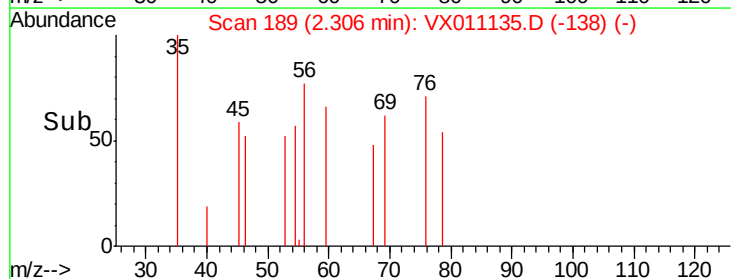
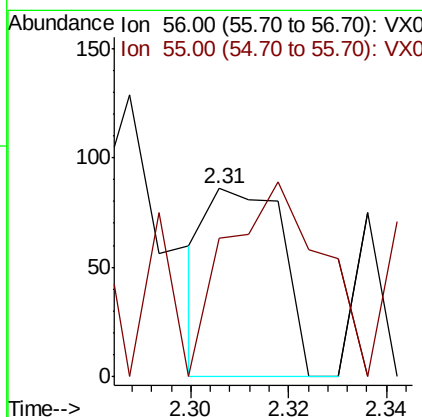
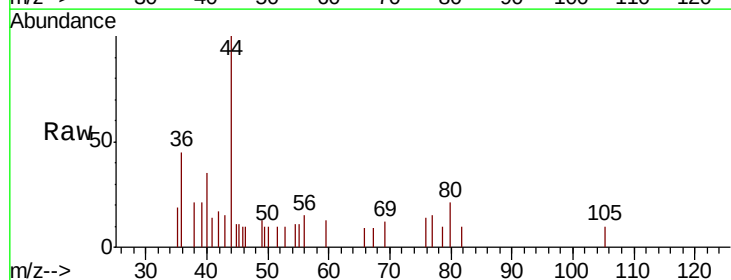
Instrument :
MSVOA_X
ClientSampleId :
VX0729WBL01

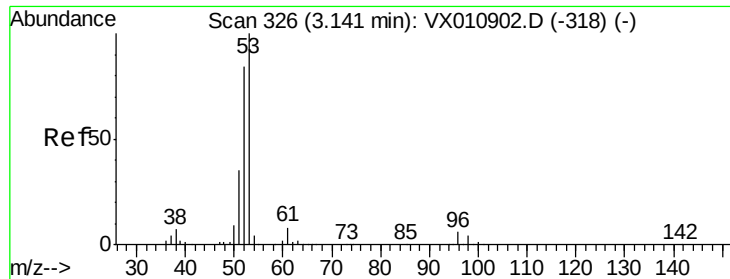
Tot Ion: 59 Resp: 843
Ion Ratio Lower Upper
59 100
57 19.1 7.9 11.9#



#13
Acrolein
Concen: 0.326 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 56 Resp: 90
Ion Ratio Lower Upper
56 100
55 133.3 55.9 83.9#

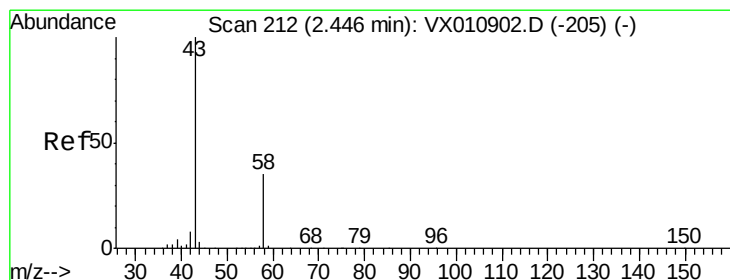
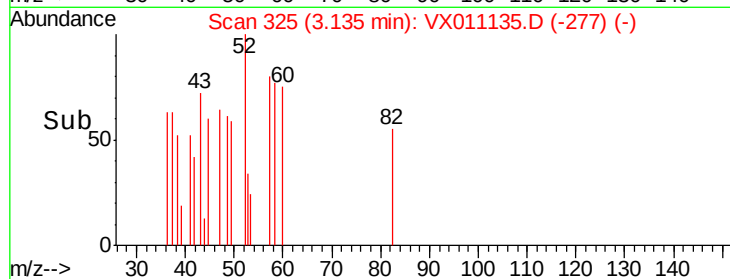
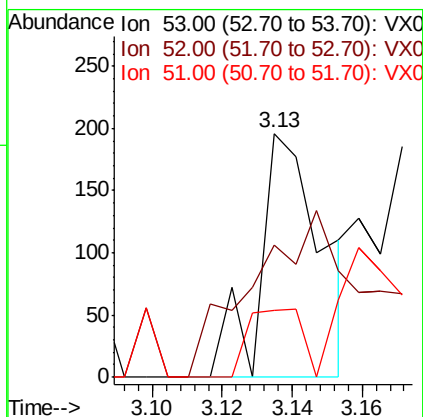
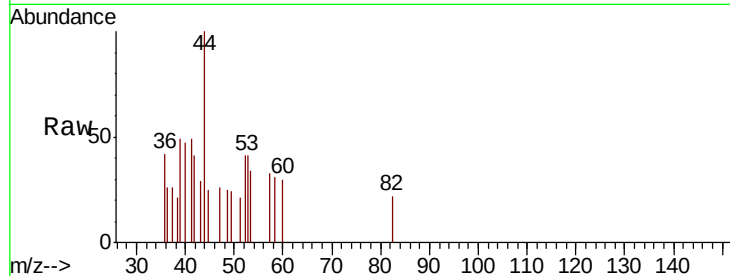




#15
 Acrylonitrile
 Concen: 0.249 ug/l
 RT: 3.13 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VX011135.D
 Acq: 29 Jul 2019 10:54

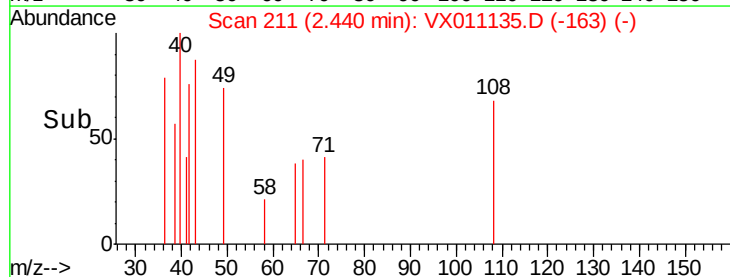
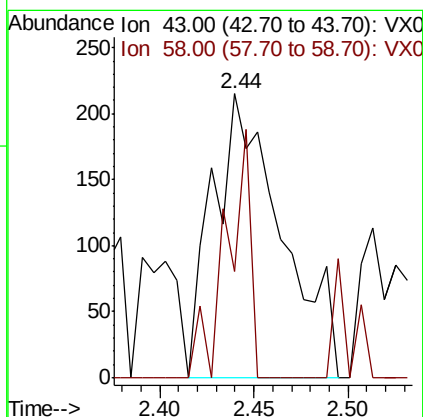
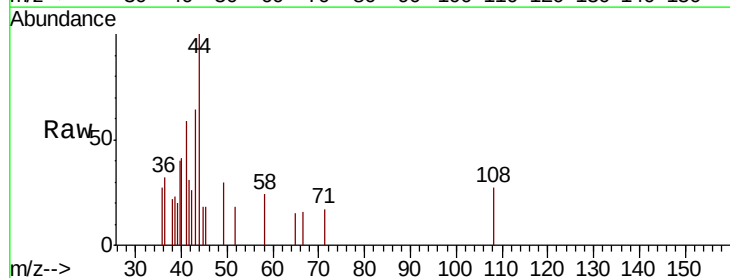
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0729WBL01

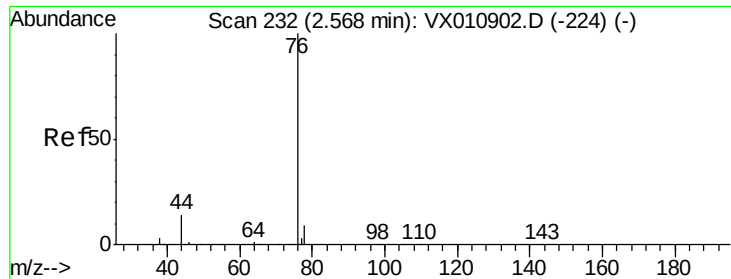
Tot Ion: 53 Resp: 240
 Ion Ratio Lower Upper
 53 100
 52 131.3 66.5 99.7#
 51 24.6 28.2 42.4#



#16
 Acetone
 Concen: 0.588 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX011135.D
 Acq: 29 Jul 2019 10:54

Tgt Ion: 43 Resp: 545
 Ion Ratio Lower Upper
 43 100
 58 37.2 27.7 41.5





#17

Carbon Disulfide

Concen: 0.256 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

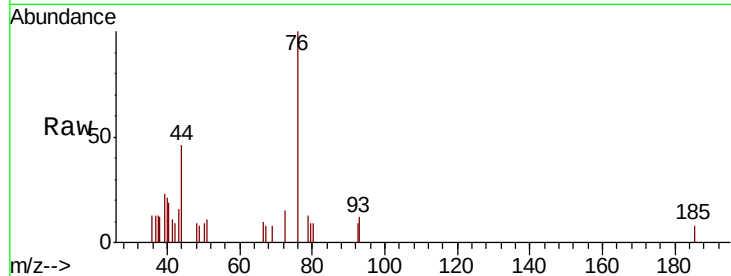
VX0729WBL01

Tot Ion: 76 Resp: 1127

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

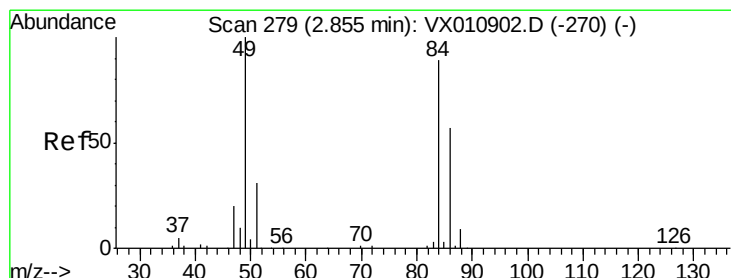
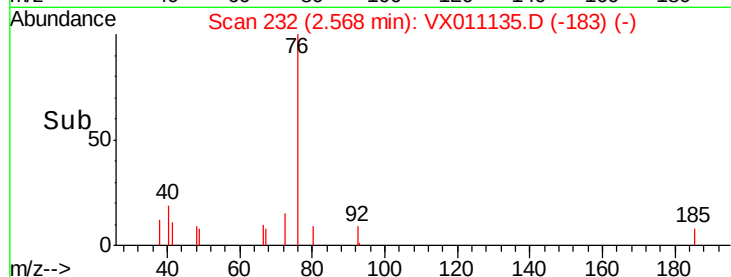
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 0.237 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Tgt Ion: 84 Resp: 466

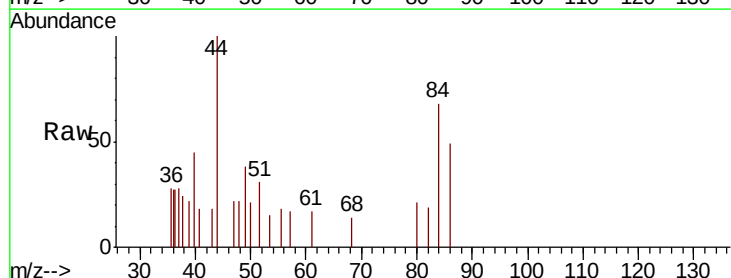
Ion Ratio Lower Upper

84 100

49 56.2 89.9 134.9#

51 46.0 27.8 41.6#

86 71.9 51.8 77.6



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

400

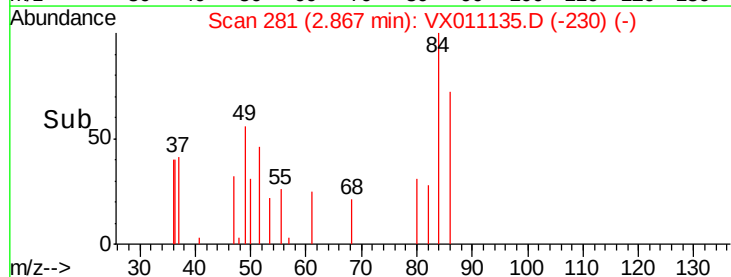
300

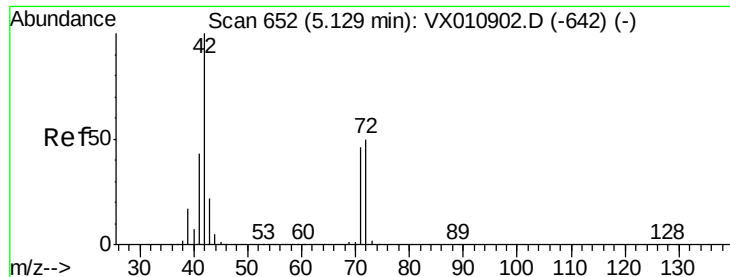
200

100

0

Time-->

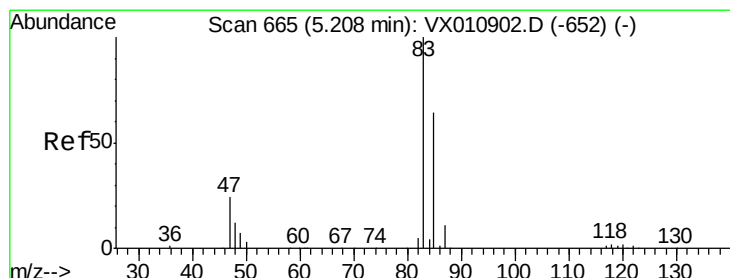
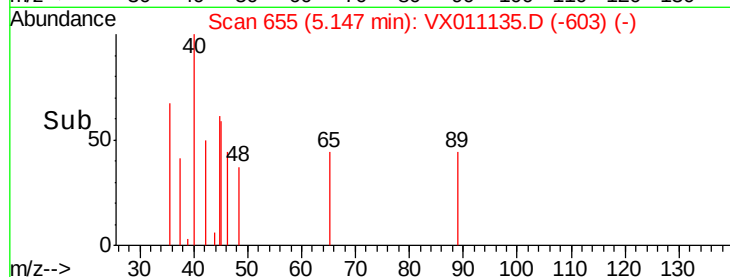
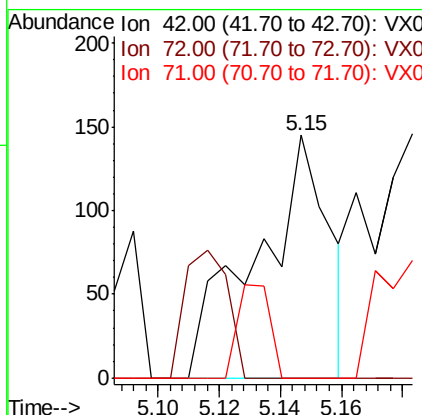
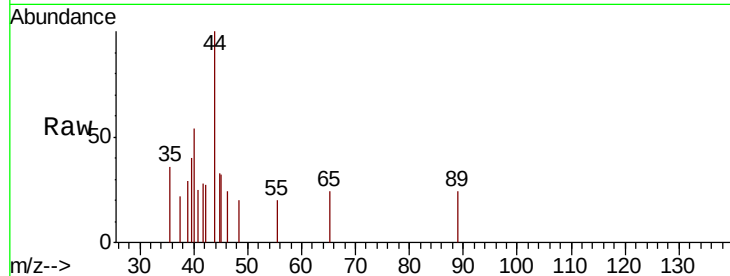




#29
Tetrahydrofuran
Concen: 0.285 ug/l
RT: 5.15 min Scan# 655
Delta R.T. 0.02 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

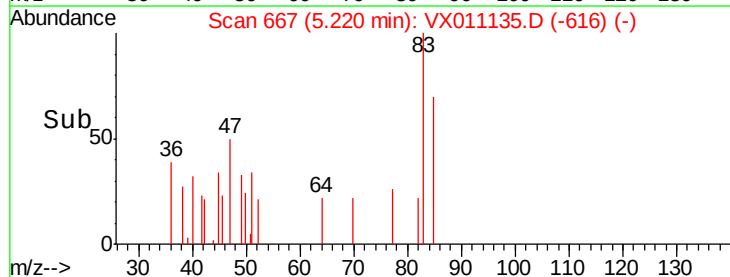
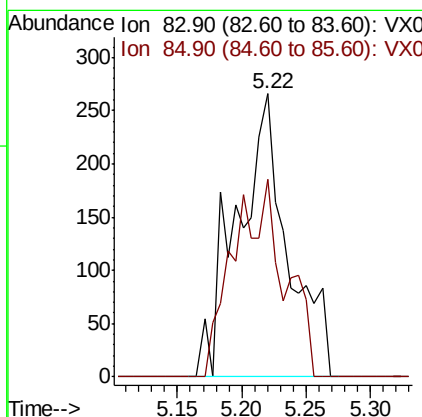
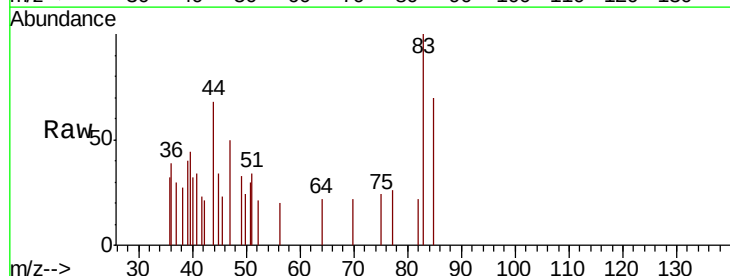
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VX0729WBL01

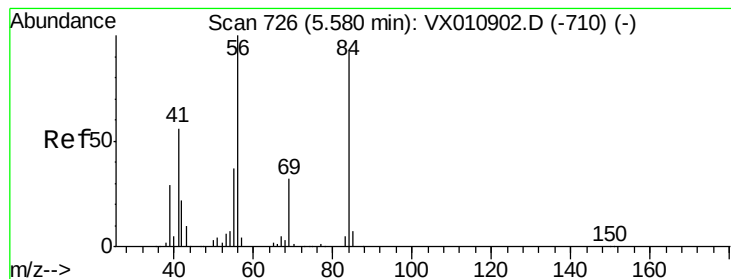
Tot Ion: 42 Resp: 240
Ion Ratio Lower Upper
42 100
72 0.0 39.8 59.8#
71 0.0 37.0 55.4#



#30
Chloroform
Concen: 0.220 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 83 Resp: 726
Ion Ratio Lower Upper
83 100
85 69.5 51.4 77.0





#31

Cyclohexane

Concen: 1.387 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBL01

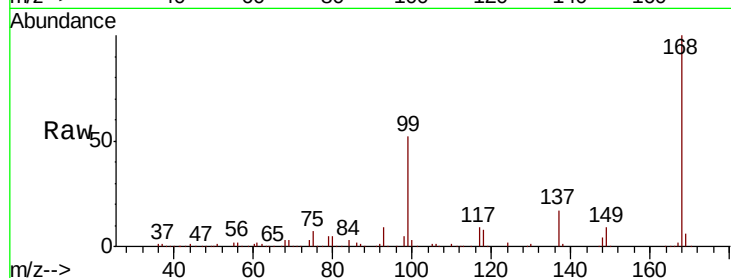
Tot Ion: 56 Resp: 3863

Ion Ratio Lower Upper

56 100

69 139.7 25.8 38.8#

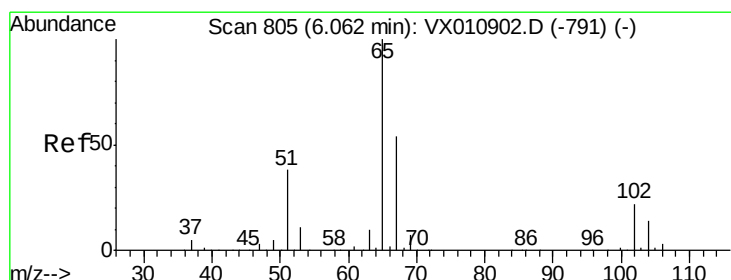
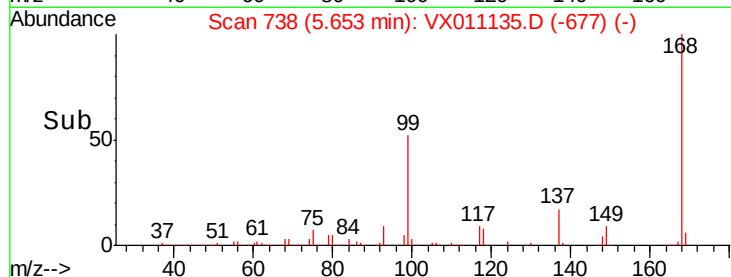
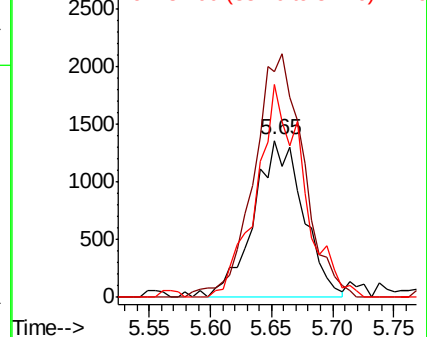
84 135.5 73.8 110.6#



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: 52.162 ug/l

RT: 6.05 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX011135.D

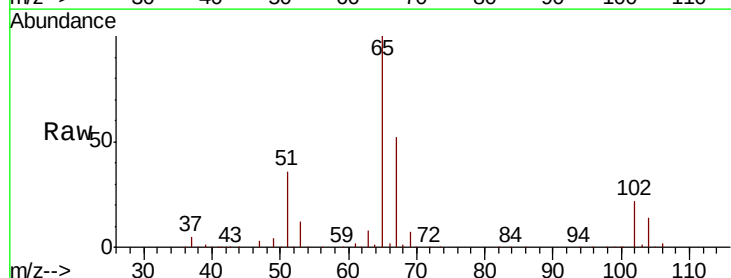
Acq: 29 Jul 2019 10:54

Tgt Ion: 65 Resp: 107019

Ion Ratio Lower Upper

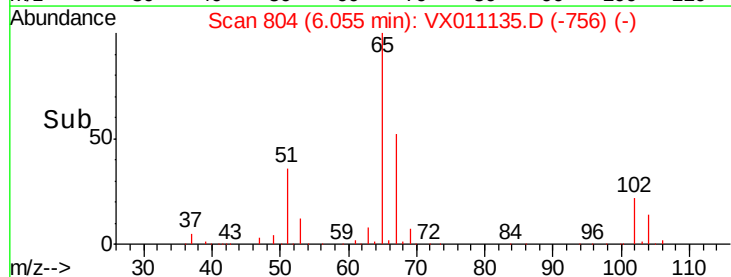
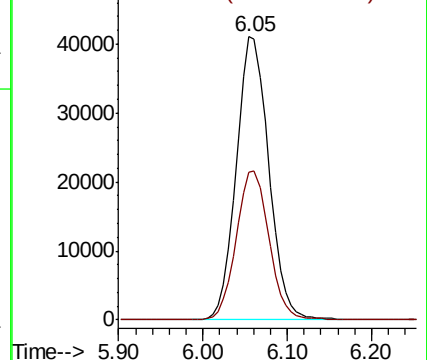
65 100

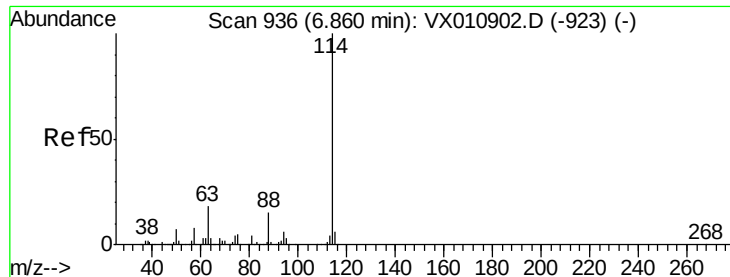
67 53.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

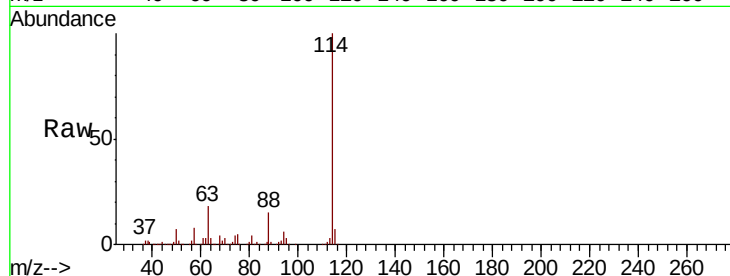




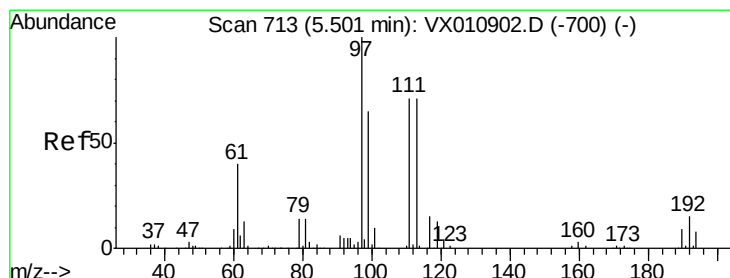
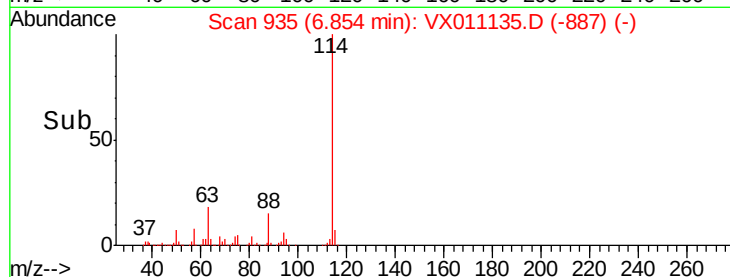
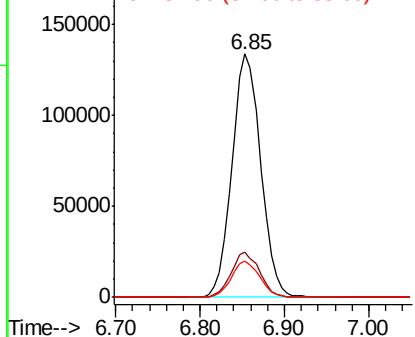
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Instrument :
MSVOA_X
ClientSampleId :
VX0729WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	35.6
88	14.7	0.0	29.8

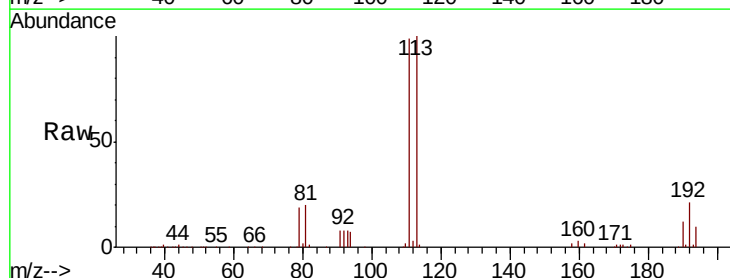


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

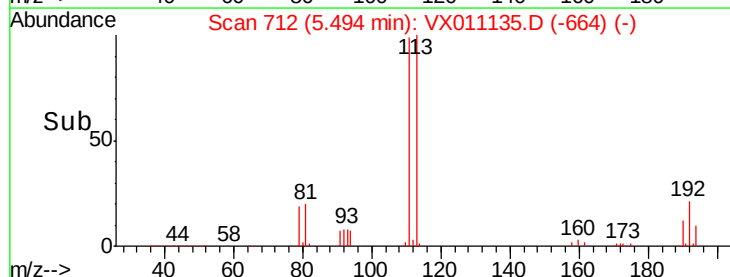
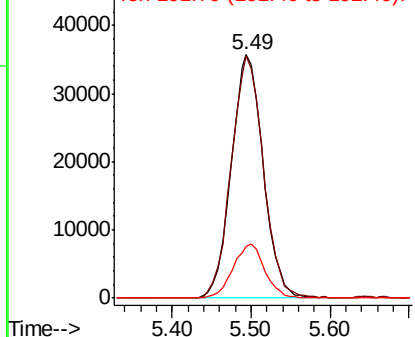


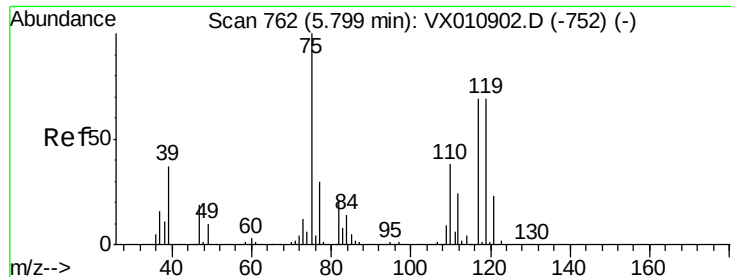
#35
Dibromofluoromethane
Concen: 51.272 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	82.3	123.5
192	22.0	17.4	26.2



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: 5.195 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

VX0729WBL01

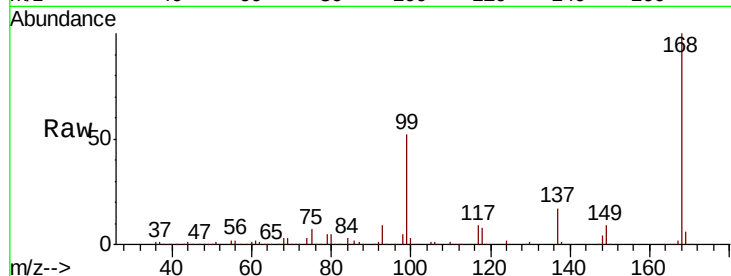
Tot Ion: 75 Resp: 13157

Ion Ratio Lower Upper

75 100

110 9.5 19.9 59.7#

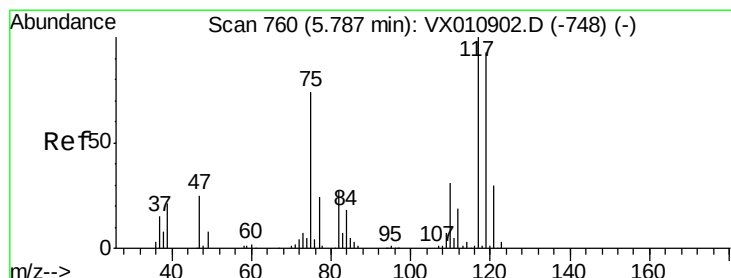
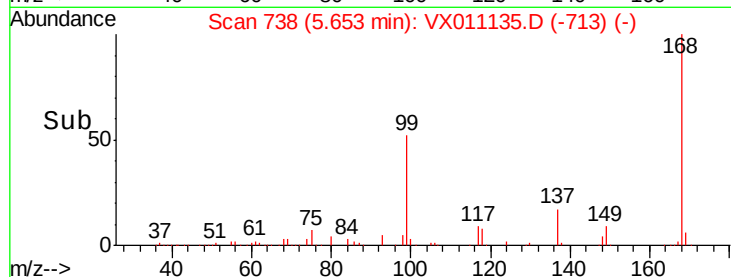
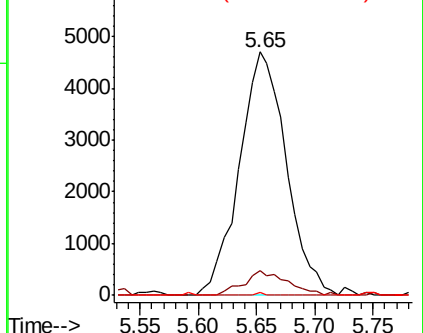
77 0.1 25.0 37.4#



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: 6.742 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

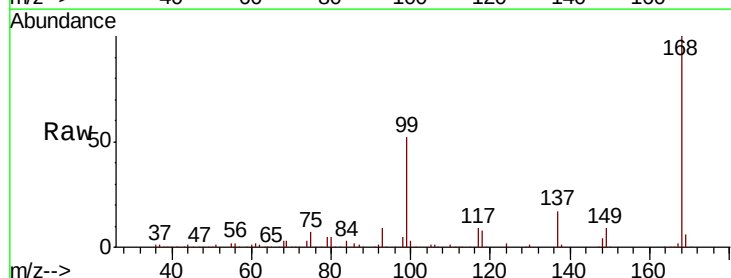
Tgt Ion: 117 Resp: 17795

Ion Ratio Lower Upper

117 100

119 3.6 74.2 111.2#

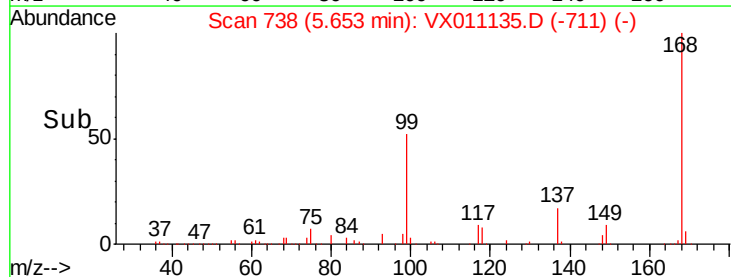
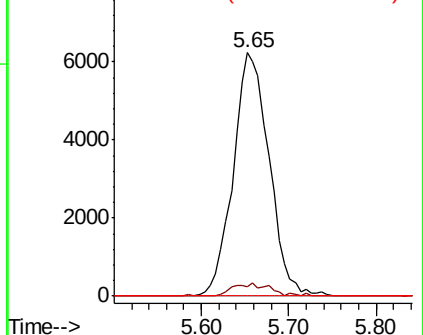
121 0.0 24.2 36.2#

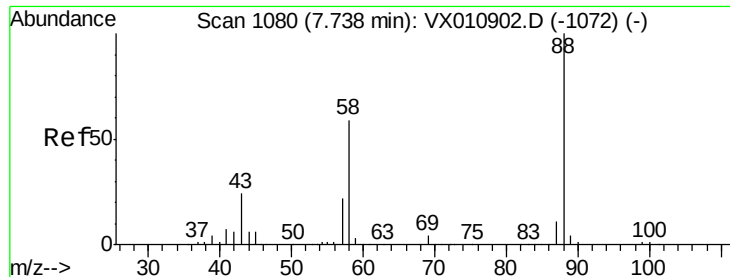


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

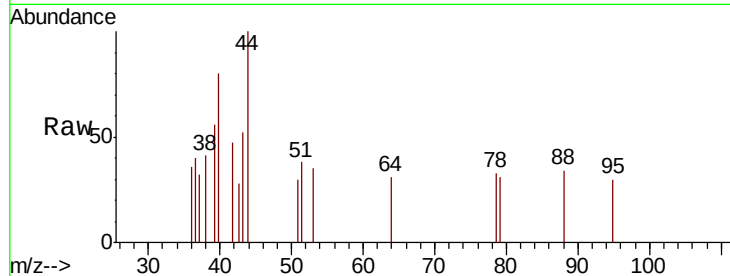




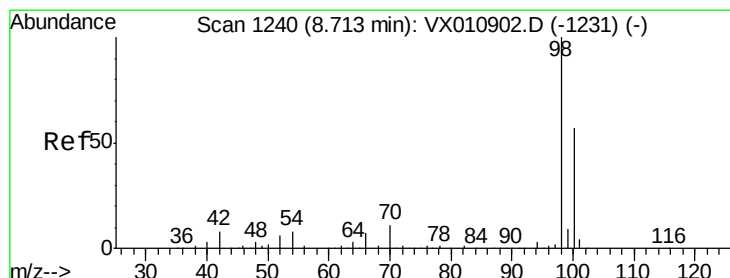
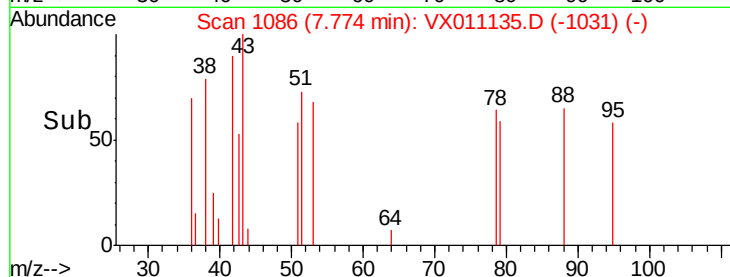
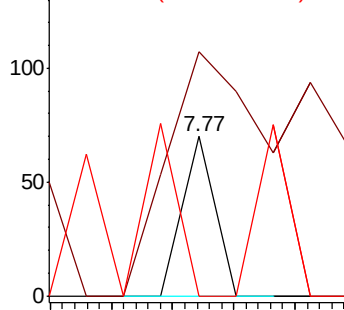
#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.04 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Instrument :
MSVOA_X
ClientSampled :
VX0729WBL01

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 438.5 22.9 34.3#
58 103.8 49.8 74.8#

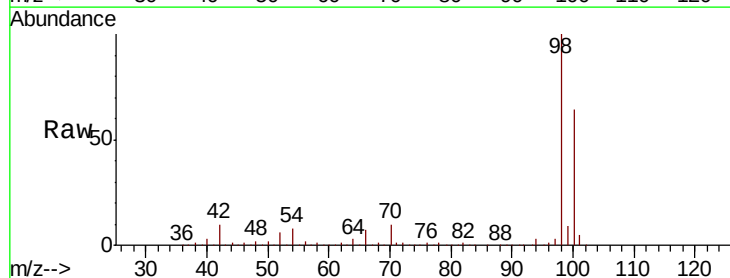


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

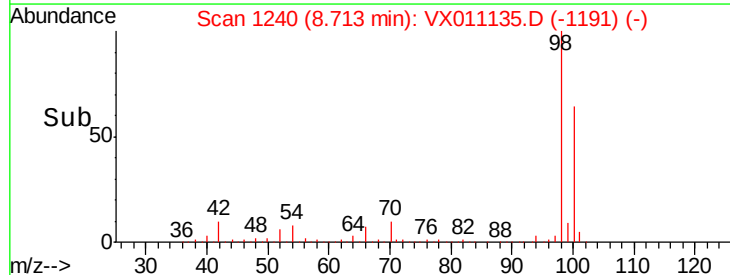
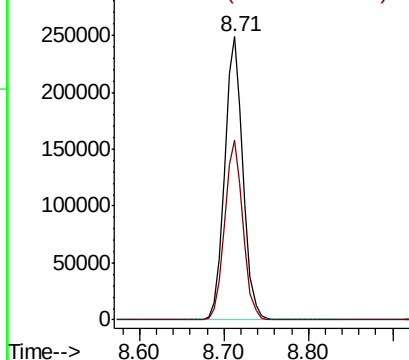


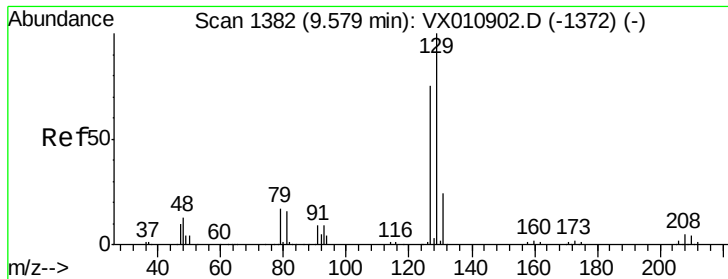
#50
Toluene-d8
Concen: 50.474 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion: 98 Resp: 370519
Ion Ratio Lower Upper
98 100
100 63.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 2.537 ug/l

RT: 9.59 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

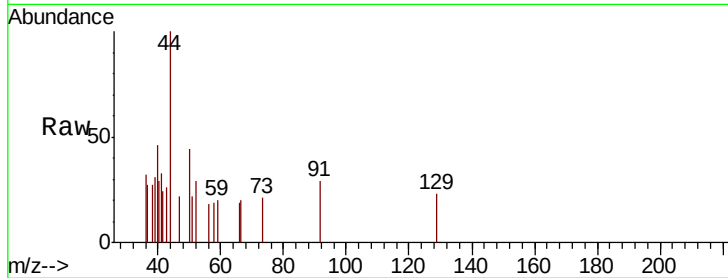
VX0729WBL01

Tot Ion:129 Resp: 24

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

60

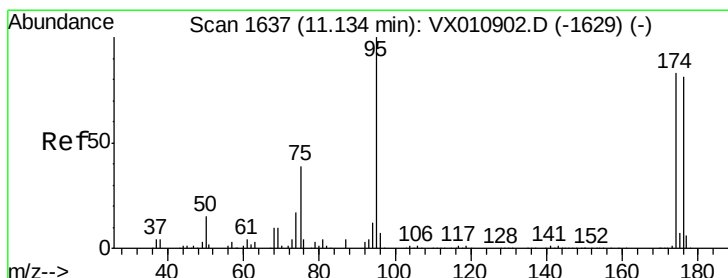
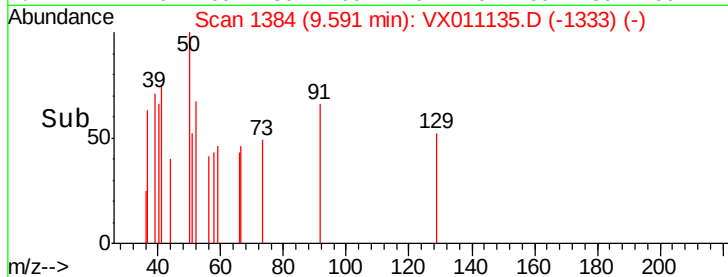
40

20

0

9.57 9.58 9.59 9.60 9.61

Time-->



#62

4-Bromofluorobenzene

Concen: 46.470 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

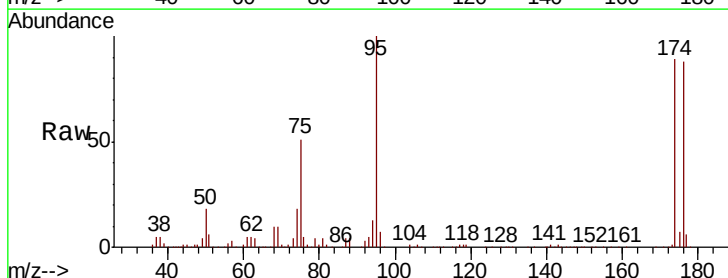
Tgt Ion: 95 Resp: 125387

Ion Ratio Lower Upper

95 100

174 92.7 0.0 180.6

176 90.1 0.0 173.8



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

11.13

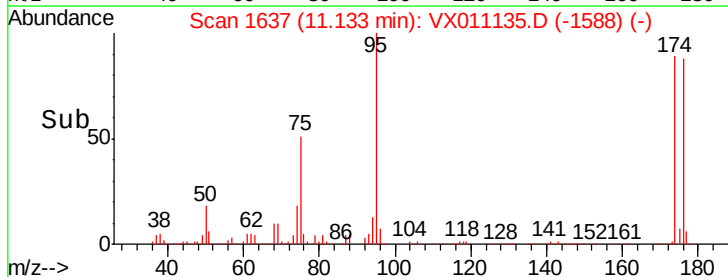
100000

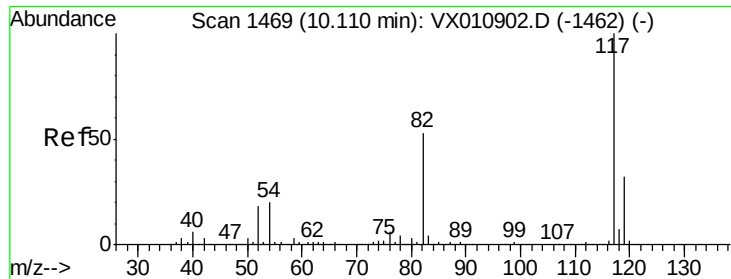
50000

0

11.10 11.12 11.14 11.16 11.18 11.20

Time-->

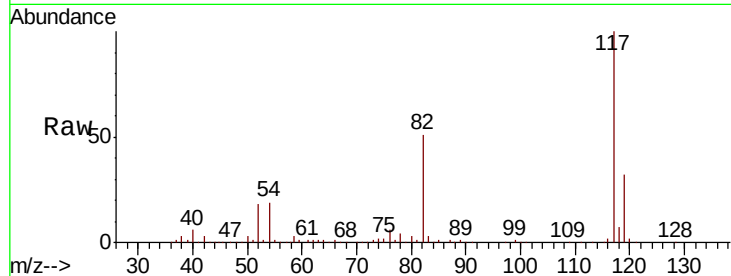




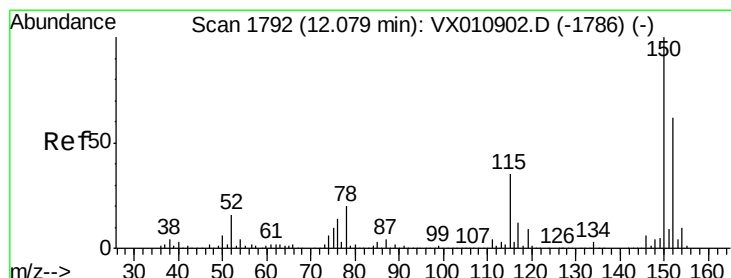
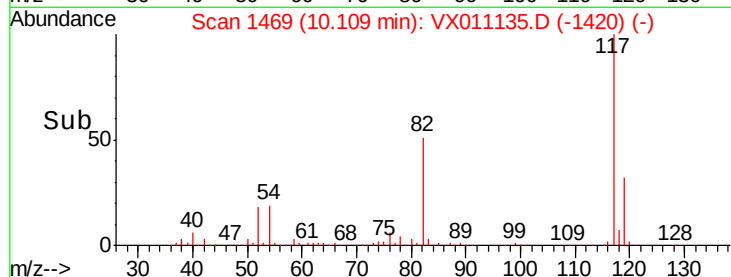
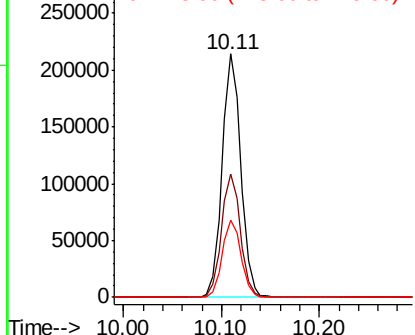
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Instrument :
MSVOA_X
ClientSampled :
VX0729WBL01

Tot Ion:117 Resp: 283863
Ion Ratio Lower Upper
117 100
82 50.6 42.6 63.8
119 31.7 25.9 38.9

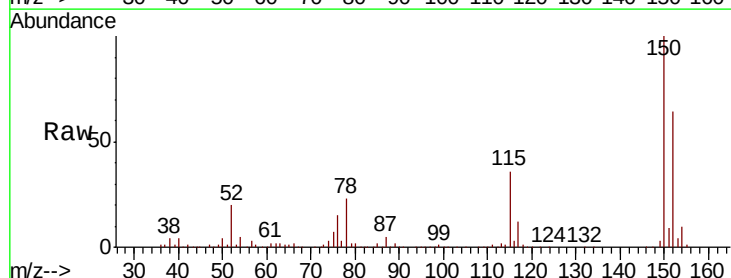


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

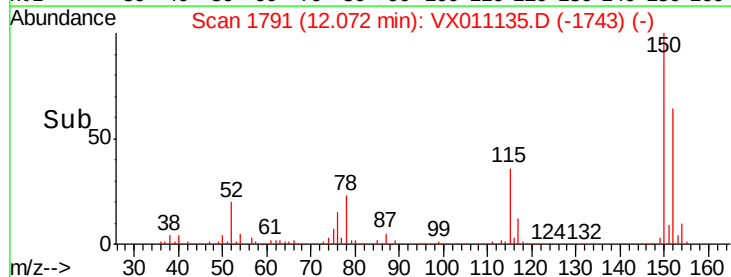
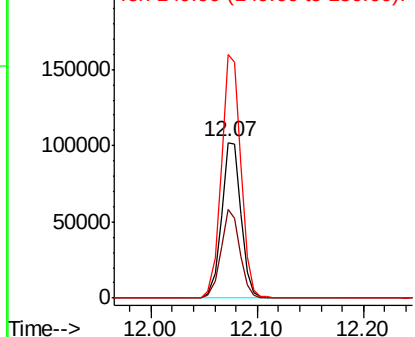


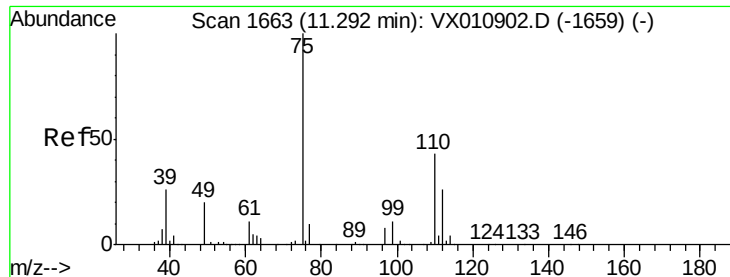
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011135.D
Acq: 29 Jul 2019 10:54

Tgt Ion:152 Resp: 129857
Ion Ratio Lower Upper
152 100
115 55.3 39.7 119.1
150 156.9 0.0 345.6



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: 26.770 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Instrument :

MSVOA_X

ClientSampleId :

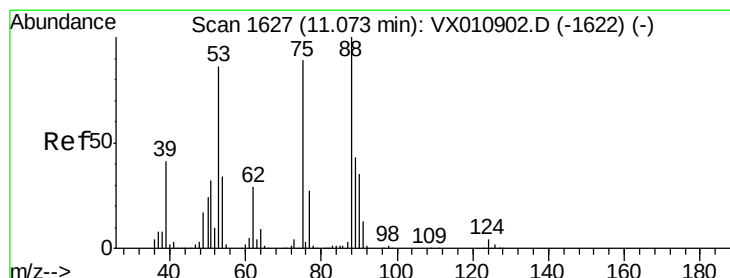
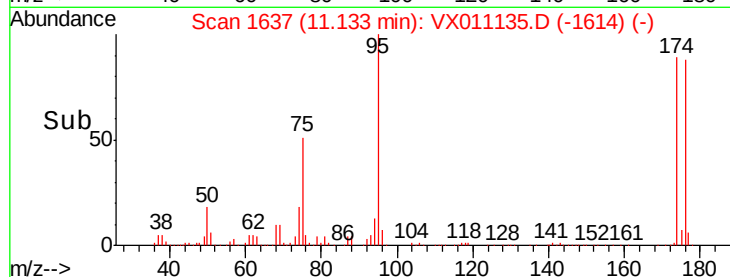
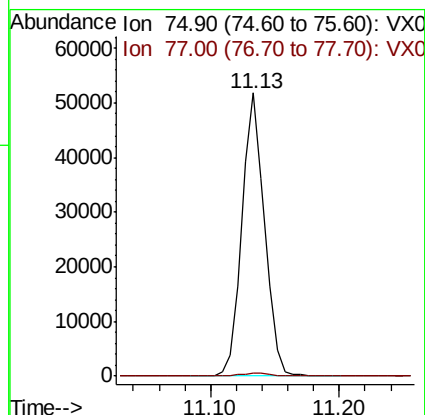
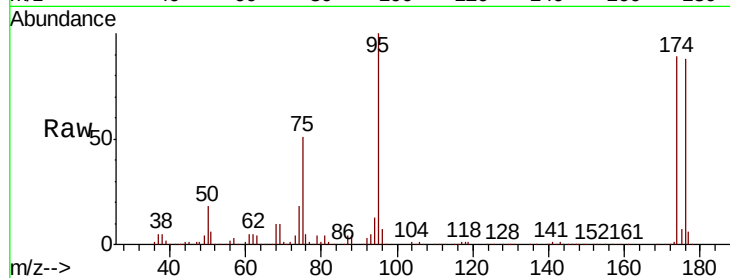
VX0729WBL01

Tot Ion: 75 Resp: 62730

Ion Ratio Lower Upper

75 100

77 1.4 21.3 64.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.403 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011135.D

Acq: 29 Jul 2019 10:54

Tgt Ion: 75 Resp: 62730

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.1 38.5 57.7#

