

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081518\
 Data File : VX004086.D
 Acq On : 15 Aug 2018 21:21
 Operator : JC/MD
 Sample : J4439-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-285-SRI3

Quant Time: Aug 16 05:54:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	257163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	196258	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	185957	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	5.51	113	152832	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
50) Toluene-d8	8.72	98	557104	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
62) 4-Bromofluorobenzene	11.14	95	188985	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	

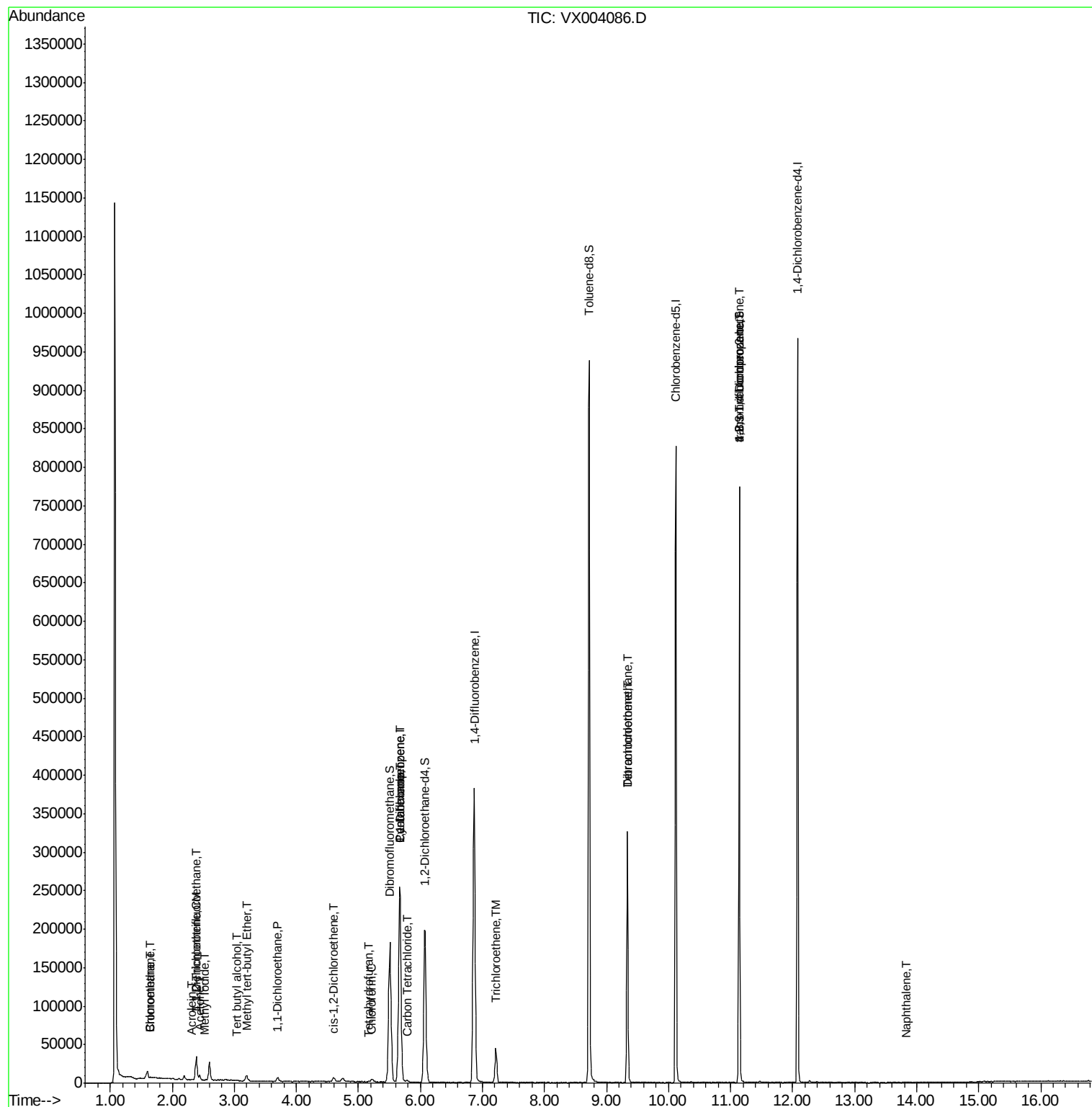
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	936	0.38	ug/l	86
6) Chloroethane	1.64	64	4917	0.49	ug/l	# 56
9) 1,1,2-Trichlorotrifluoroet	2.39	101	9681	3.33	ug/l	98
10) Methyl Iodide	2.52	142	475	5.15	ug/l	# 93
11) Tert butyl alcohol	3.04	59	369	0.51	ug/l	# 73
12) 1,1-Dichloroethene	2.37	96	3793	1.40	ug/l	91
13) Acrolein	2.30	56	23	10.99	ug/l	85
16) Acetone	2.44	43	6531	3.47	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	7121	0.75	ug/l	93
20) Methylene Chloride	2.87	84	444	Below Cal	#	66
24) 1,1-Dichloroethane	3.70	63	6742	1.18	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2939	0.85	ug/l	61
29) Tetrahydrofuran	5.16	42	421	0.27	ug/l	# 45
30) Chloroform	5.21	83	3965	0.71	ug/l	92
31) Cyclohexane	5.66	56	4695	0.94	ug/l	# 1
36) 1,1-Dichloropropene	5.67	75	17519	3.99	ug/l	# 49
38) Carbon Tetrachloride	5.78	117	1660	0.39	ug/l	# 79
44) Trichloroethene	7.22	130	18670	5.21	ug/l	94
60) Dibromochloromethane	9.34	129	59195	17.86	ug/l	# 11
64) Tetrachloroethene	9.34	164	67152	19.11	ug/l	96
76) 1,2,3-Trichloropropane	11.14	75	89196	22.66	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	11.14	75	89196	70.15	ug/l	# 9
95) Naphthalene	13.84	128	281	1.16	ug/l	# 69

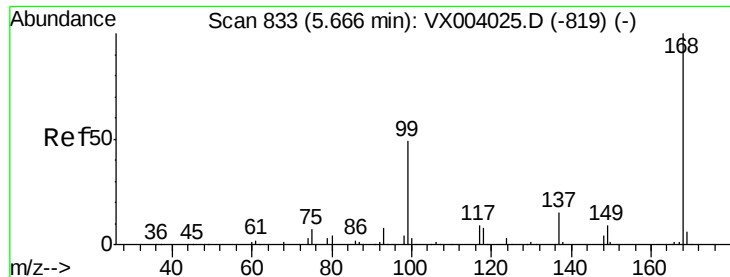
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081518\
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Quant Time: Aug 16 05:54:01 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampled :

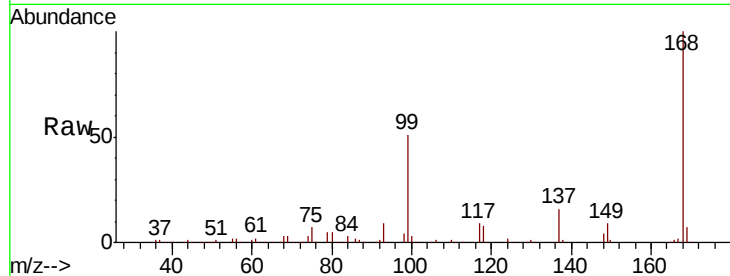
MW-285-SRI3

Tot Ion:168 Resp: 257163

Ion Ratio Lower Upper

168 100

99 50.6 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

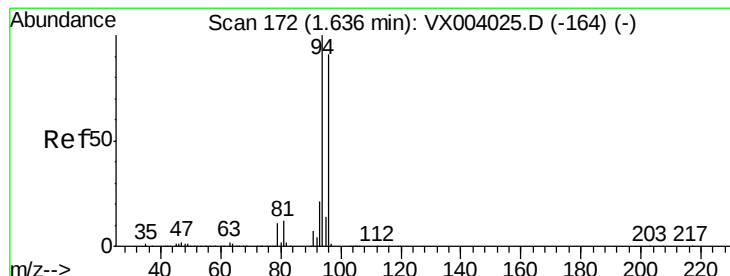
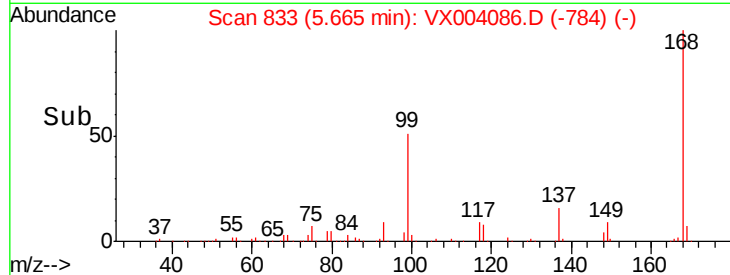
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.38 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004086.D

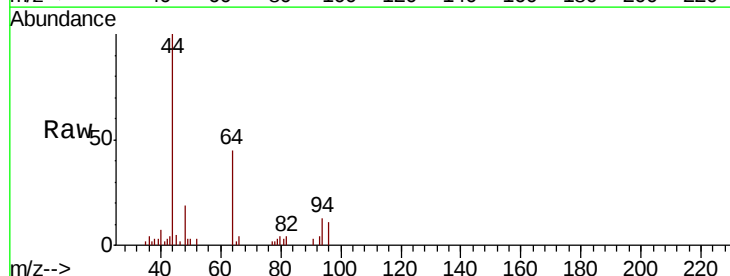
Acq: 15 Aug 2018 21:21

Tgt Ion: 94 Resp: 936

Ion Ratio Lower Upper

94 100

96 80.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

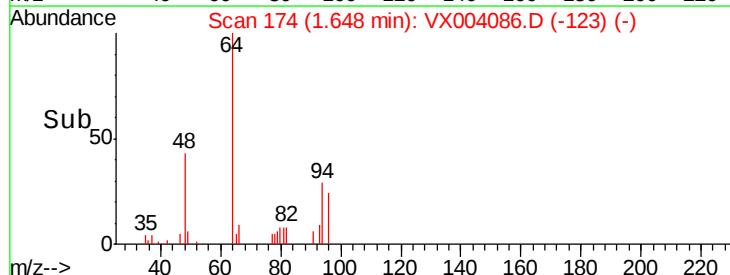
300

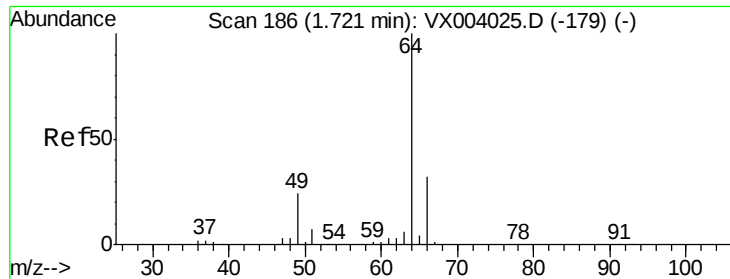
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.49 ug/l

RT: 1.64 min Scan# 173

Delta R.T. -0.08 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

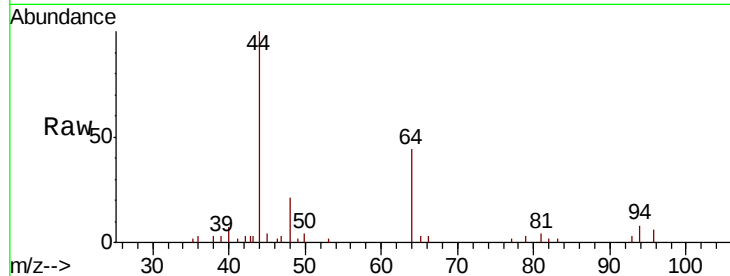
MW-285-SRI3

Tot Ion: 64 Resp: 4917

Ion Ratio Lower Upper

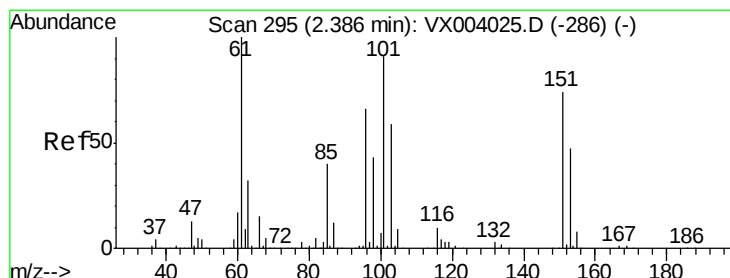
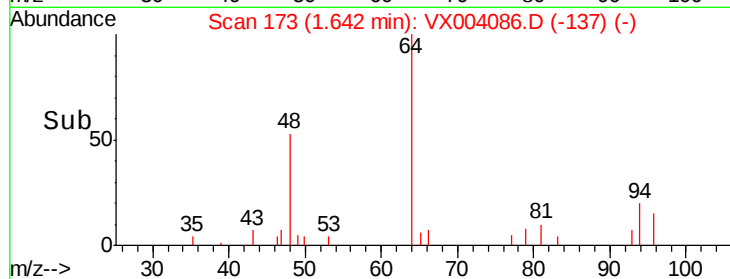
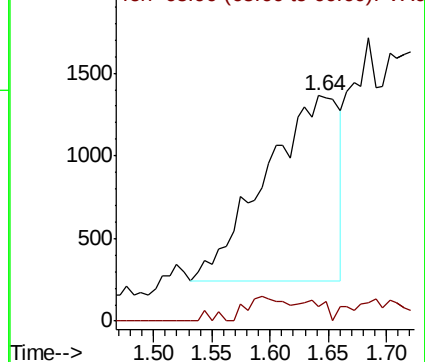
64 100

66 8.2 26.5 39.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.33 ug/l

RT: 2.39 min Scan# 296

Delta R.T. 0.01 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

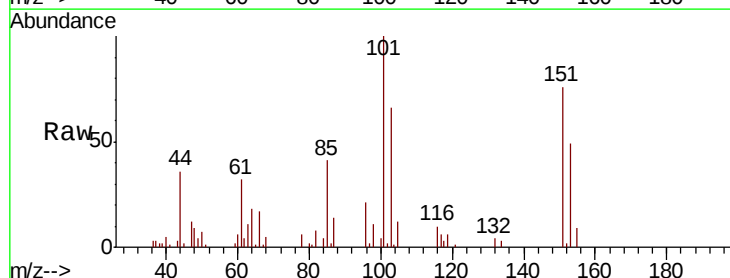
Tgt Ion:101 Resp: 9681

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.4

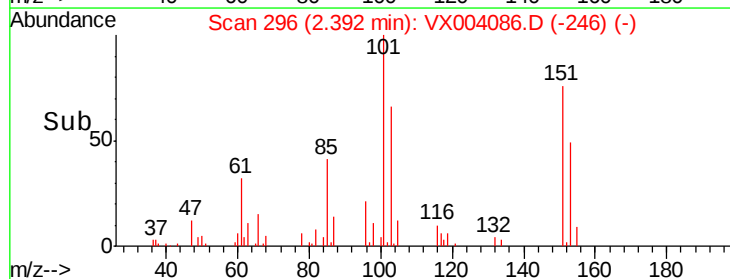
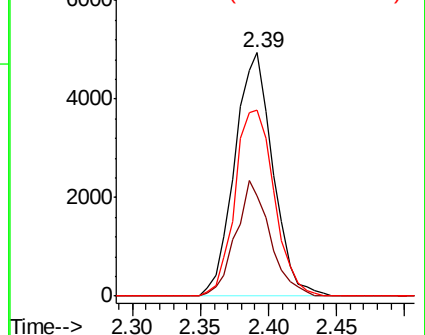
151 78.4 65.0 97.4

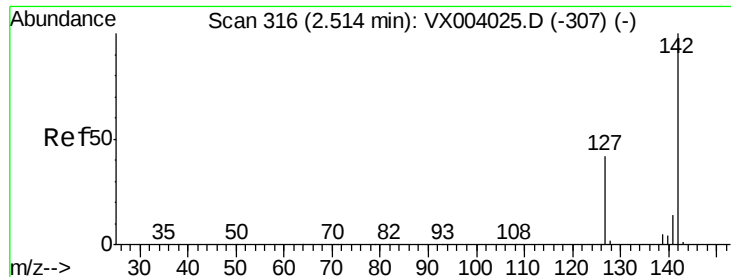


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

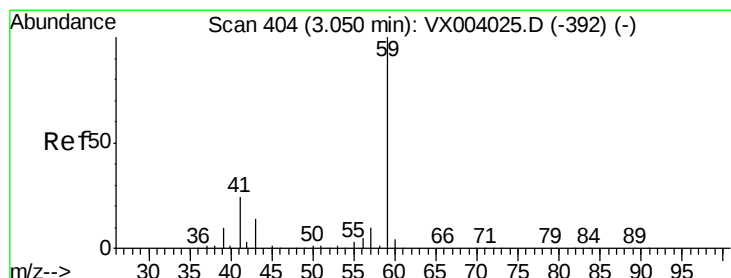
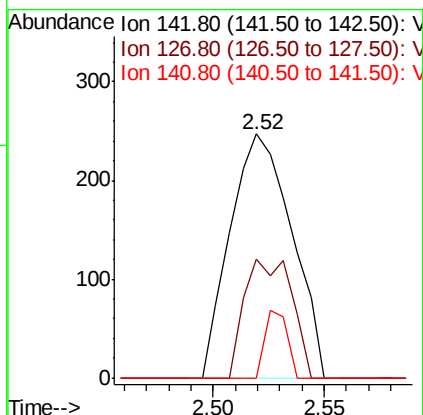
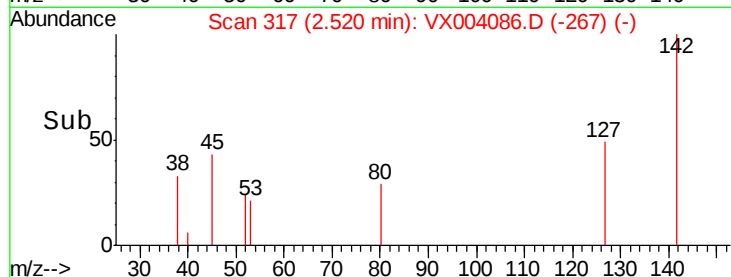
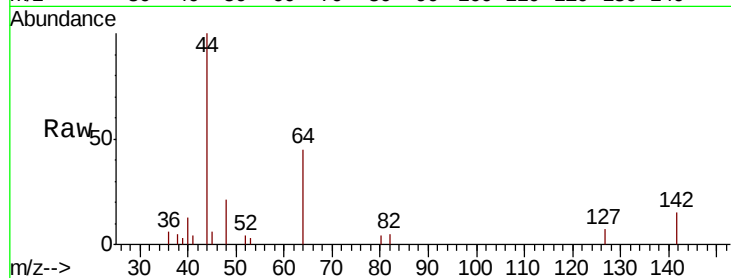




#10
Methyl Iodide
Concen: 5.15 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

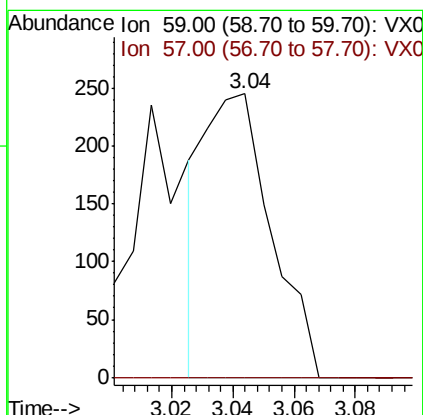
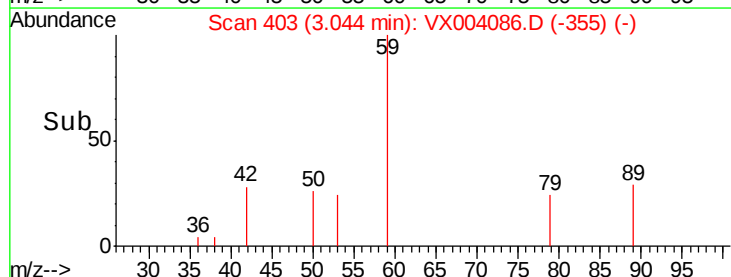
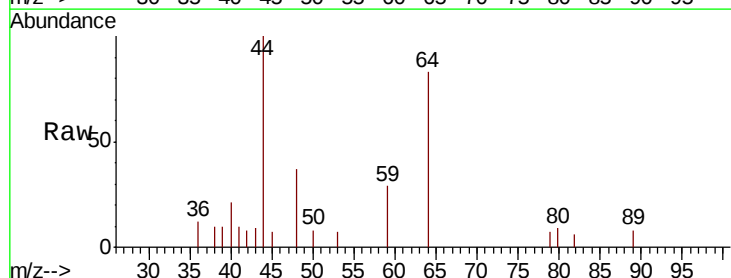
Instrument :
MSVOA_X
ClientSampled :
MW-285-SRI3

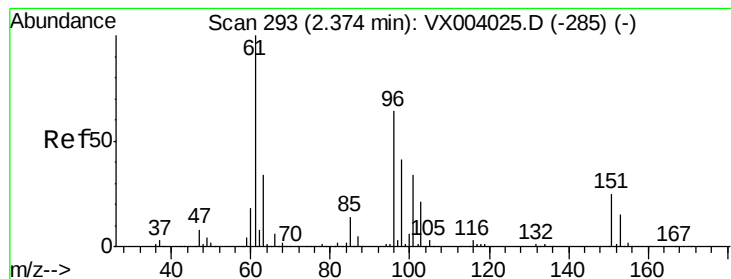
Tot Ion:142 Resp: 475
Ion Ratio Lower Upper
142 100
127 37.5 33.1 49.7
141 10.1 11.1 16.7#



#11
Tert butyl alcohol
Concen: 0.51 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.01 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Tgt Ion: 59 Resp: 369
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#12

1,1-Dichloroethene

Concen: 1.40 ug/l

RT: 2.37 min Scan# 293

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampled :

MW-285-SRI3

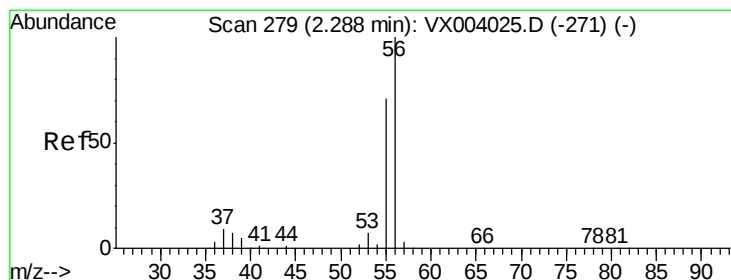
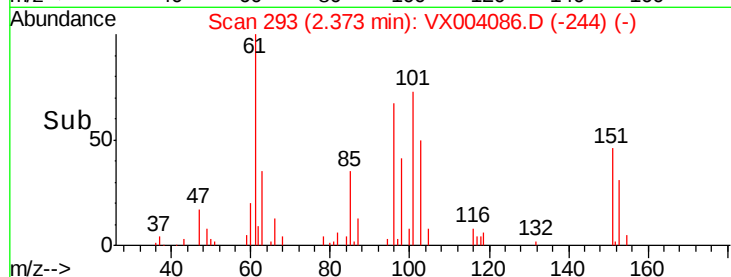
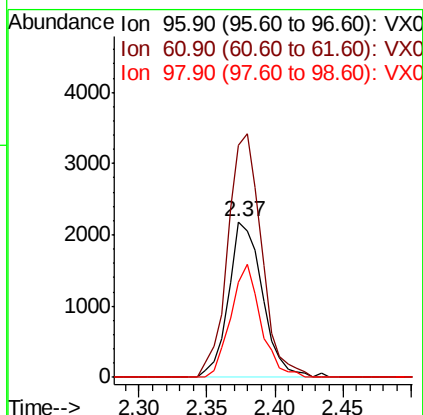
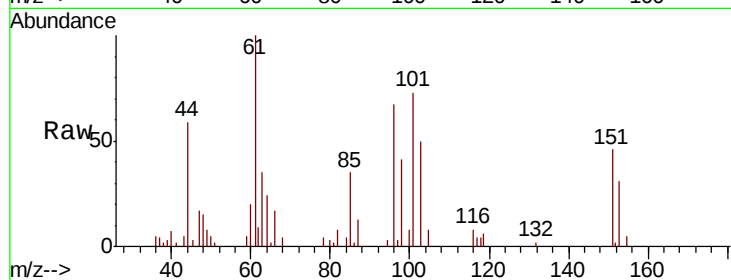
Tot Ion: 96 Resp: 3793

Ion Ratio Lower Upper

96 100

61 149.3 131.3 196.9

98 61.2 51.8 77.6



#13

Acrolein

Concen: 10.99 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX004086.D

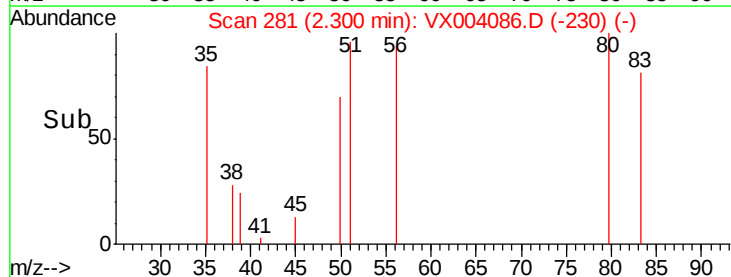
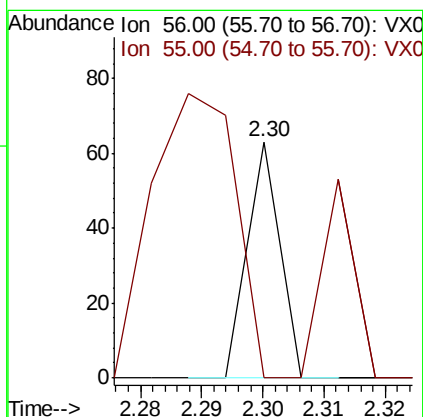
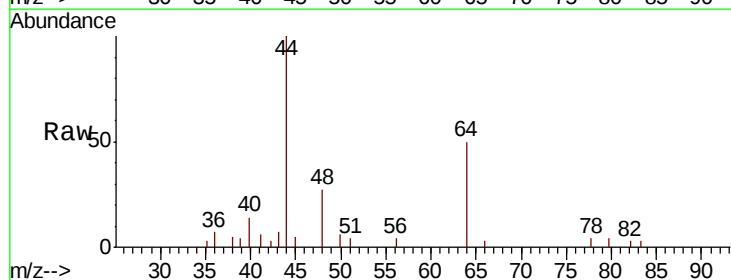
Acq: 15 Aug 2018 21:21

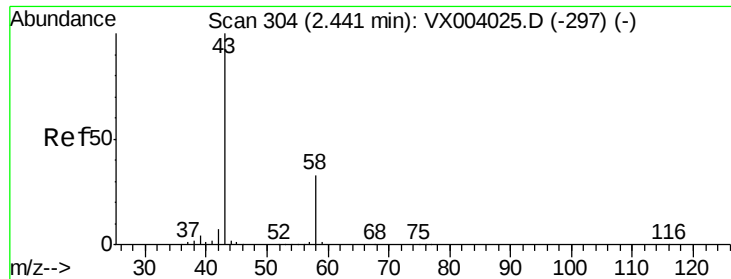
Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 82.6 56.1 84.1





#16

Acetone

Concen: 3.47 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

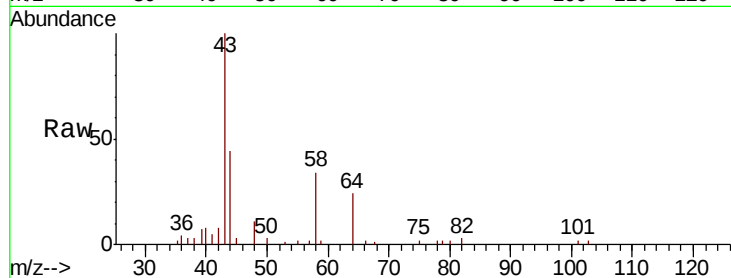
MW-285-SRI3

Tot Ion: 43 Resp: 6531

Ion Ratio Lower Upper

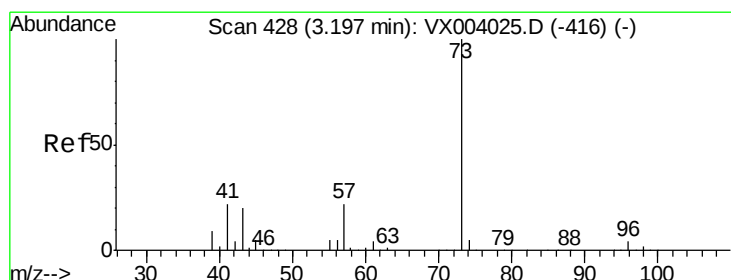
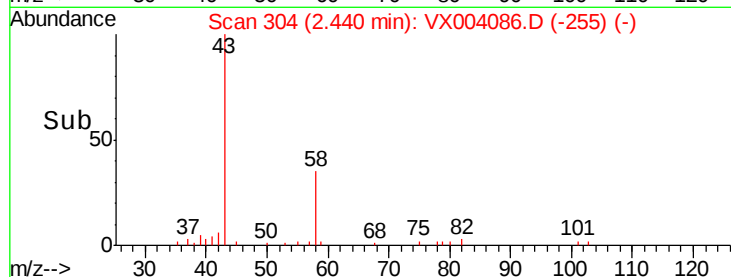
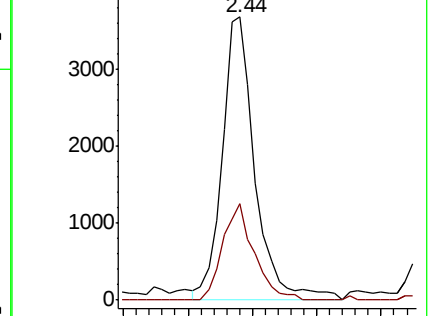
43 100

58 34.1 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 0.75 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.00 min

Lab File: VX004086.D

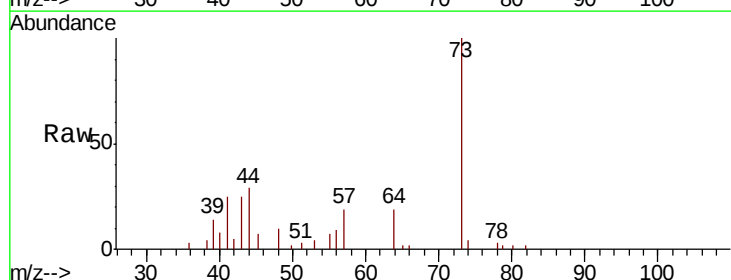
Acq: 15 Aug 2018 21:21

Tgt Ion: 73 Resp: 7121

Ion Ratio Lower Upper

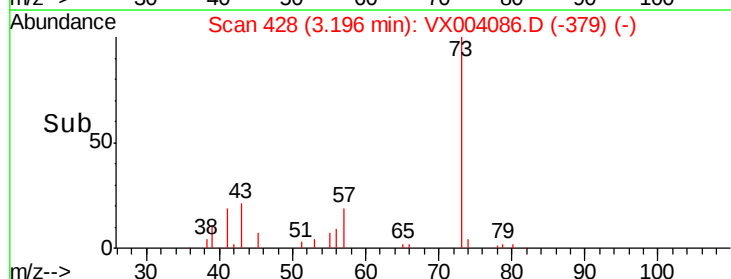
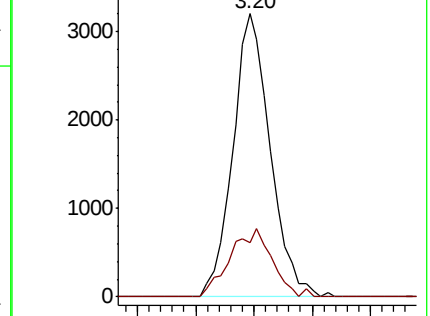
73 100

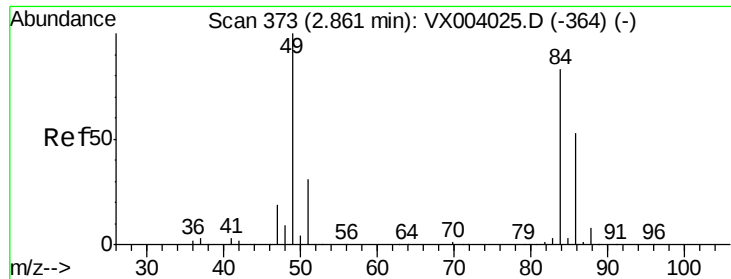
57 19.3 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

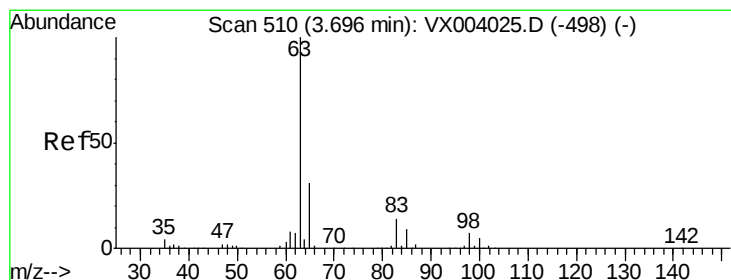
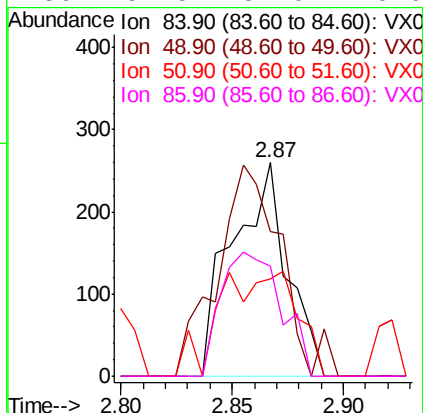
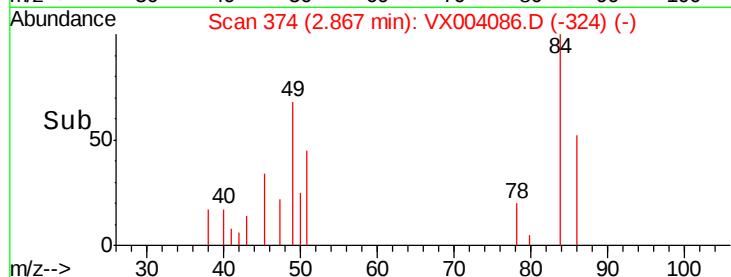
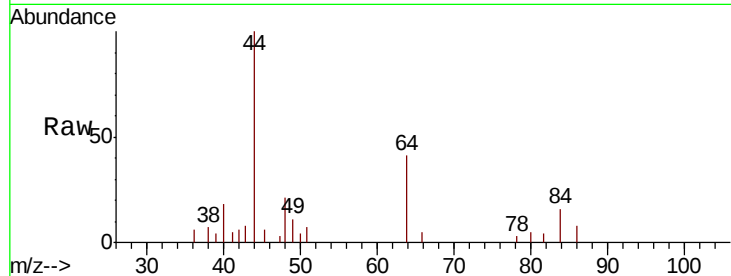




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

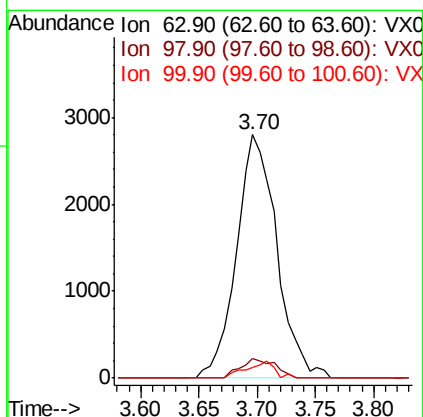
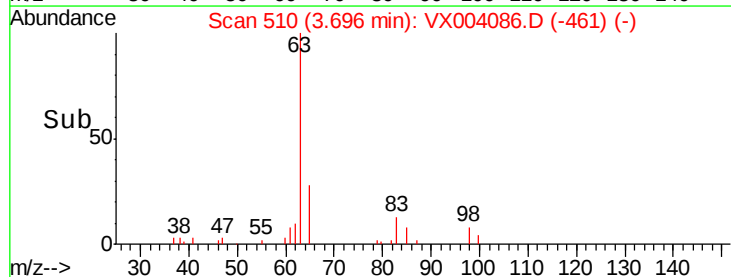
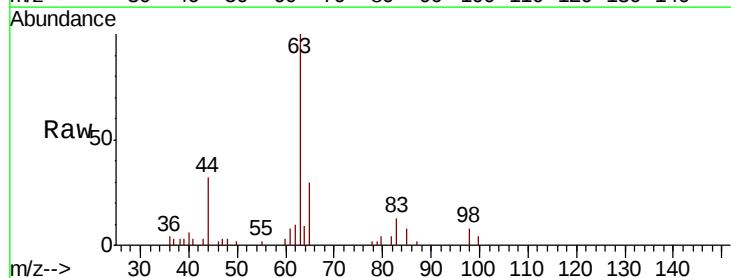
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MW-285-SRI3

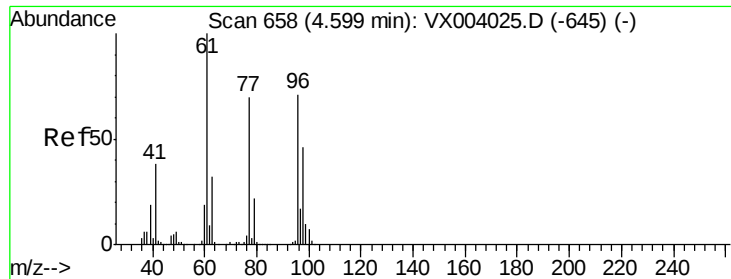
Tot Ion: 84 Resp: 444
Ion Ratio Lower Upper
84 100
49 67.7 98.9 148.3#
51 45.4 29.9 44.9#
86 51.5 51.0 76.6



#24
1,1-Dichloroethane
Concen: 1.18 ug/l
RT: 3.70 min Scan# 510
Delta R.T. -0.00 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Tgt Ion: 63 Resp: 6742
Ion Ratio Lower Upper
63 100
98 8.0 3.5 10.5
100 4.4 2.3 6.8





#27

cis-1,2-Dichloroethene

Concen: 0.85 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

MW-285-SRI3

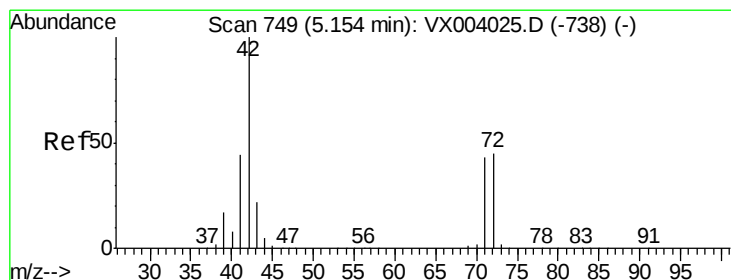
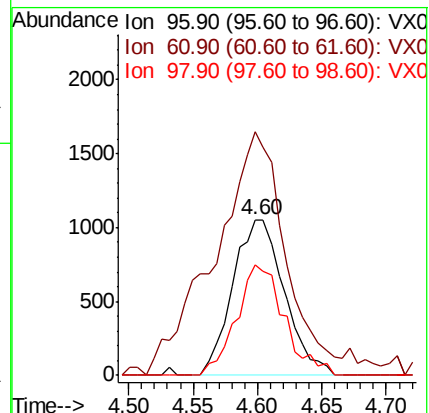
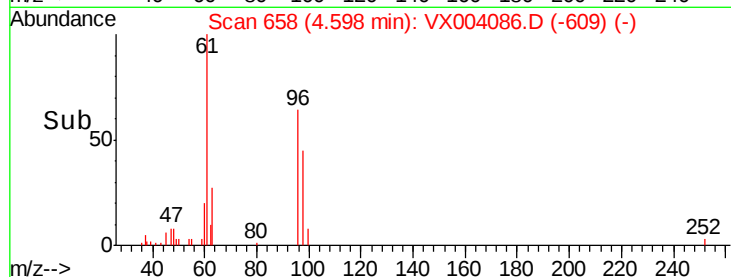
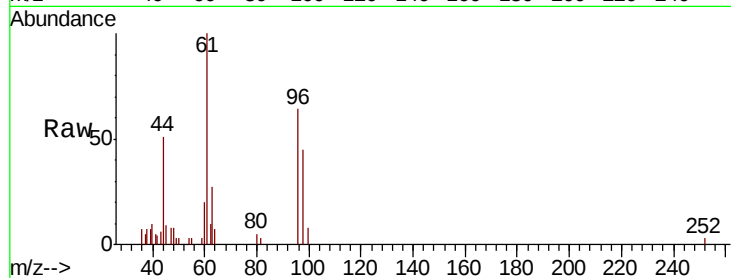
Tot Ion: 96 Resp: 2939

Ion Ratio Lower Upper

96 100

61 216.6 0.0 293.0

98 65.6 0.0 131.8



#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

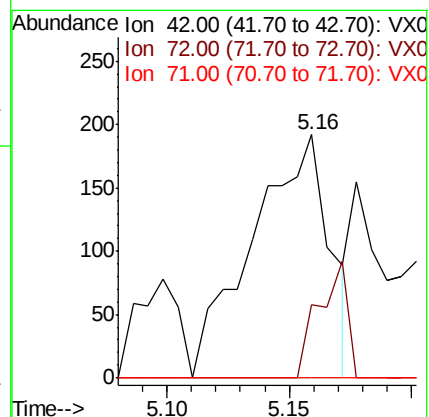
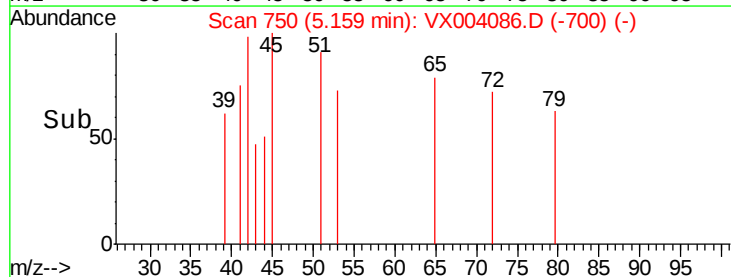
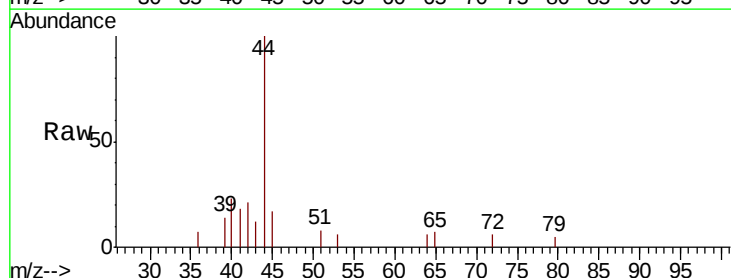
Tgt Ion: 42 Resp: 421

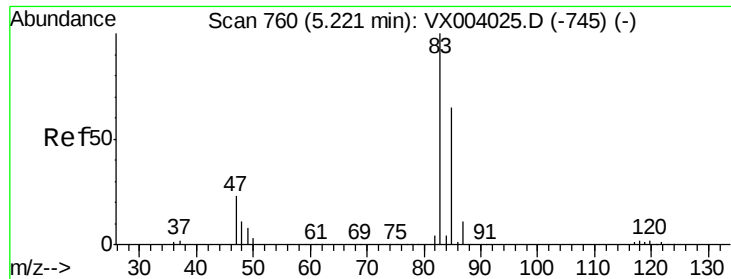
Ion Ratio Lower Upper

42 100

72 17.8 37.7 56.5#

71 0.0 35.0 52.6#





#30

Chloroform

Concen: 0.71 ug/l

RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampled :

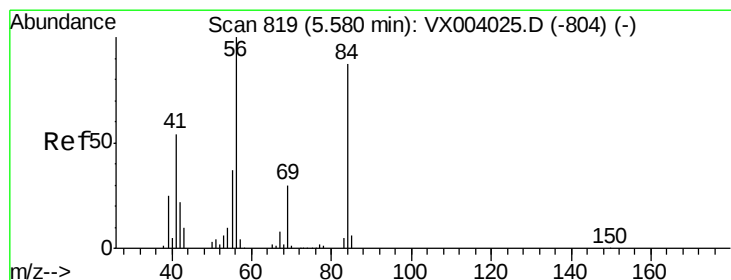
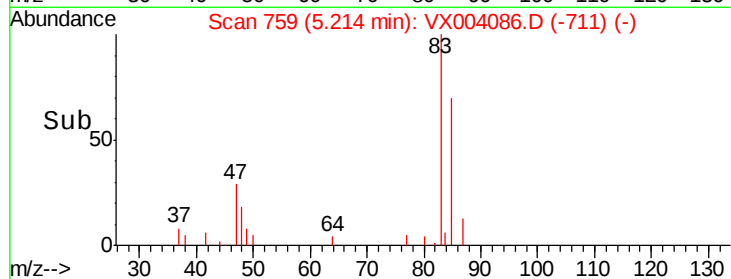
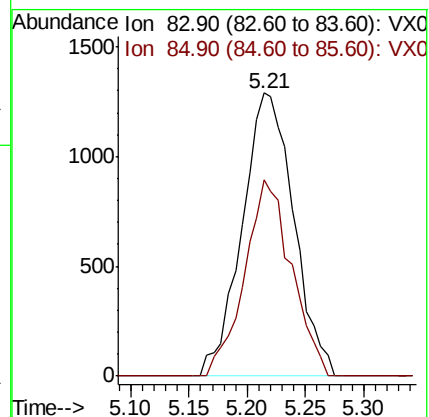
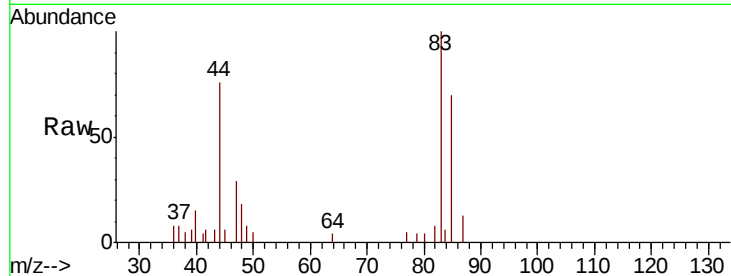
MW-285-SRI3

Tot Ion: 83 Resp: 3965

Ion Ratio Lower Upper

83 100

85 69.6 50.7 76.1



#31

Cyclohexane

Concen: 0.94 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

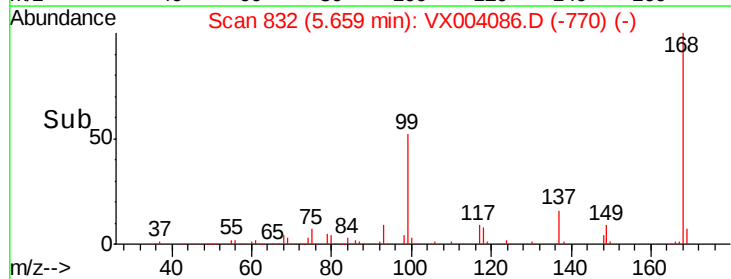
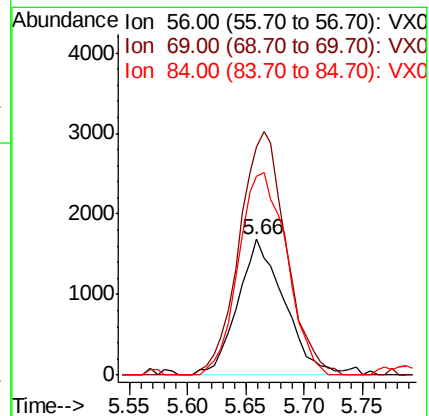
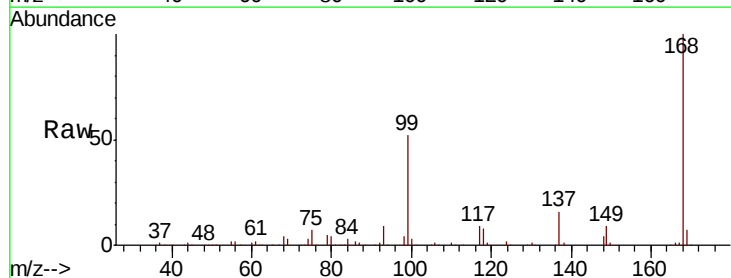
Tgt Ion: 56 Resp: 4695

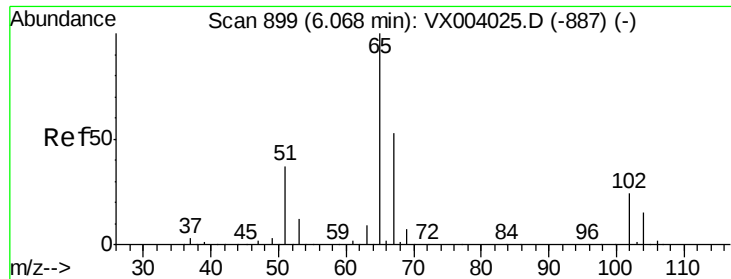
Ion Ratio Lower Upper

56 100

69 168.1 24.9 37.3#

84 146.1 71.7 107.5#

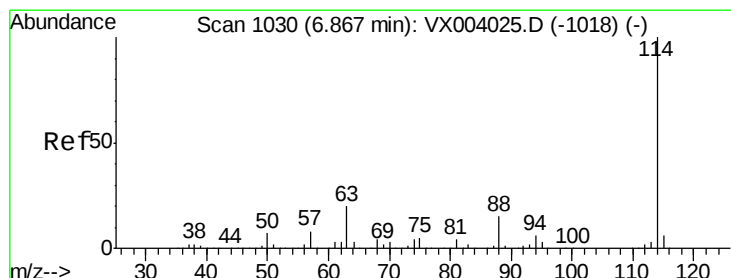
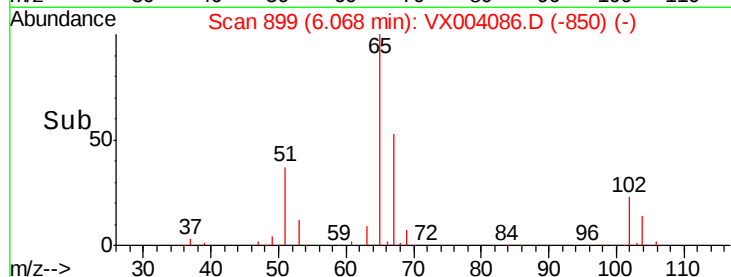
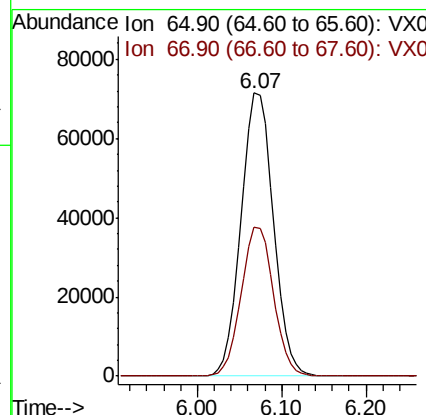
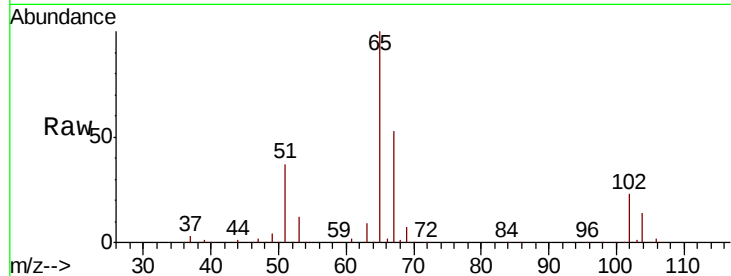




#33
 1,2-Dichloroethane-d4
 Concen: 51.32 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

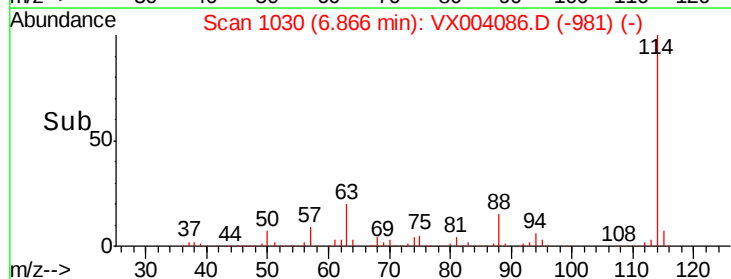
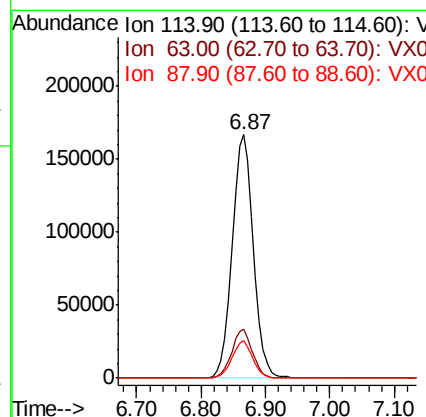
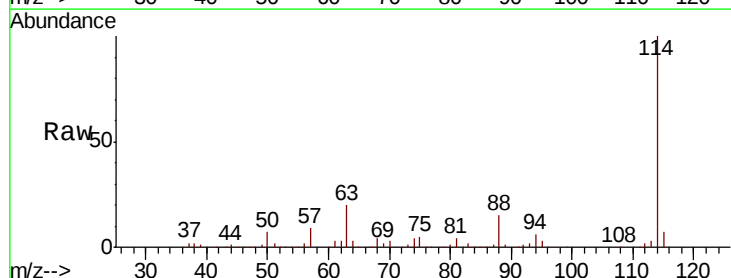
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-285-SRI3

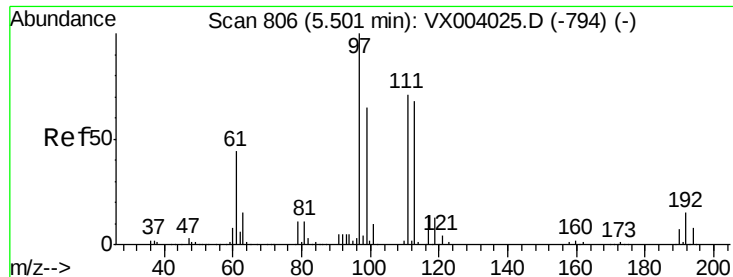
Tot Ion: 65 Resp: 185957
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

Tgt Ion: 114 Resp: 385974
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.3 0.0 32.0

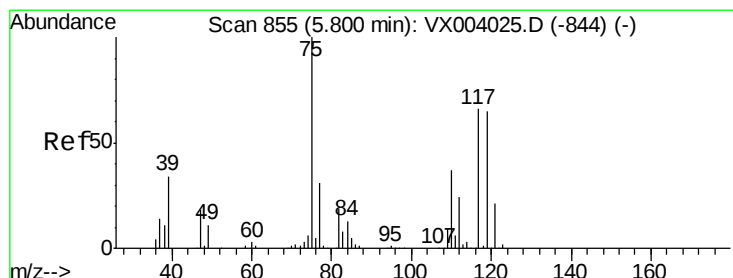
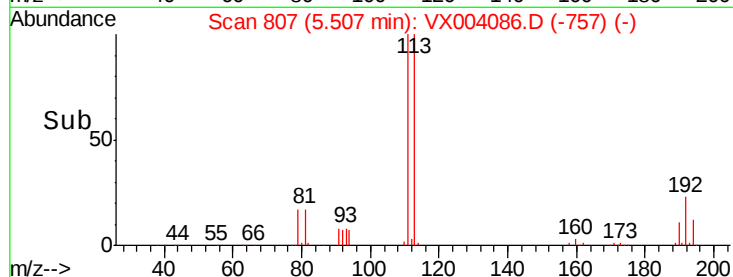
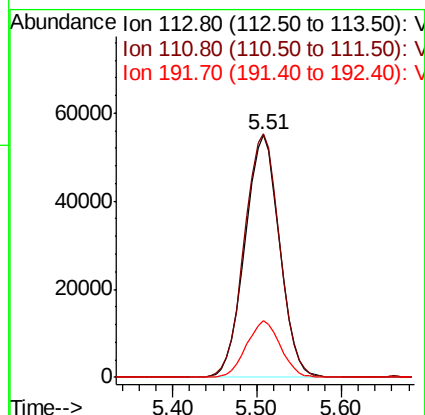
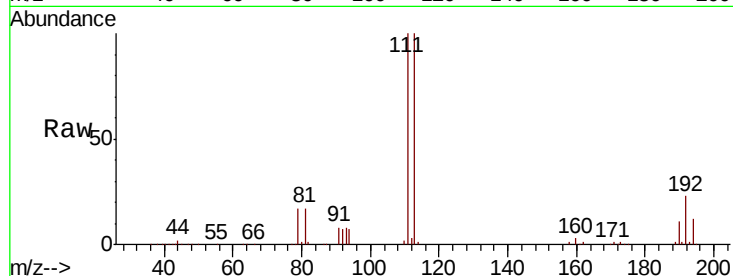




#35
 Dibromofluoromethane
 Concen: 52.91 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

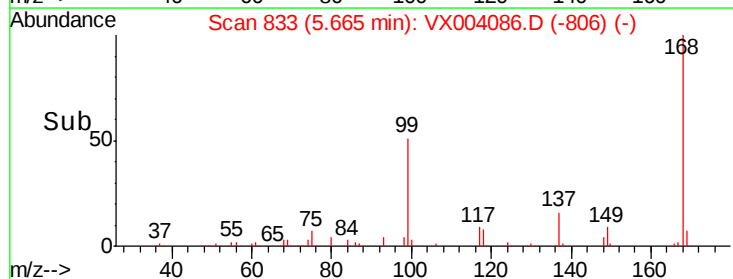
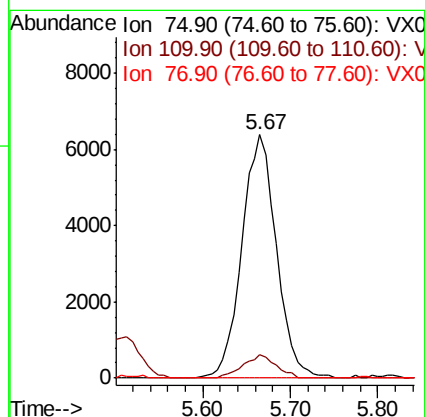
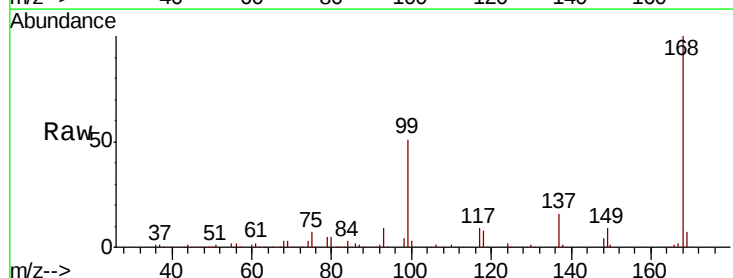
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-285-SRI3

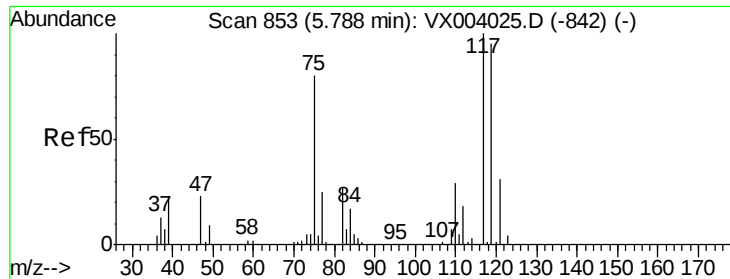
Tot Ion:113 Resp: 152832
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.0 123.0
 192 22.8 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 3.99 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

Tgt Ion: 75 Resp: 17519
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.2 54.6#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 0.39 ug/l

RT: 5.78 min Scan# 852

Delta R.T. -0.01 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

MW-285-SRI3

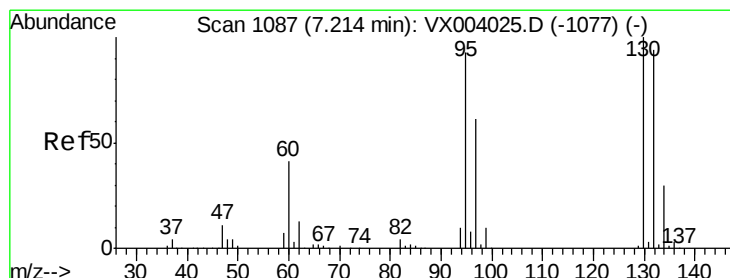
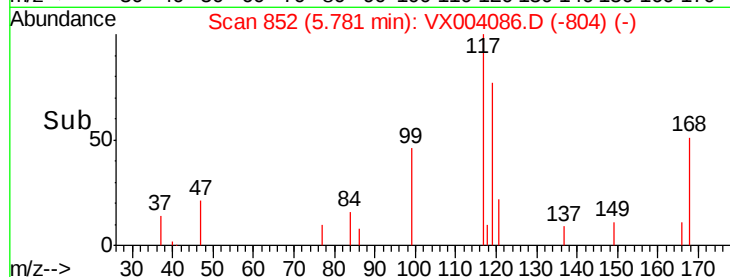
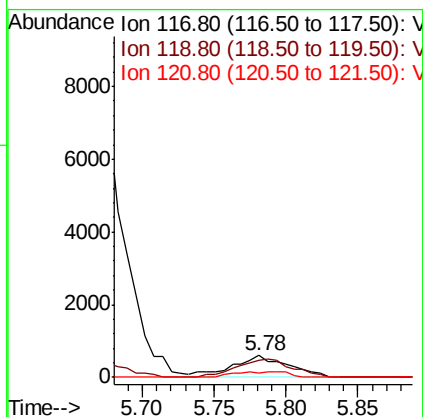
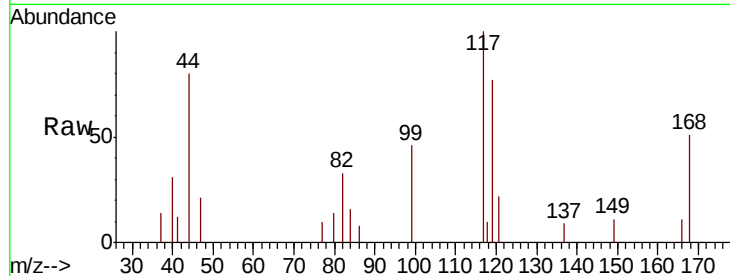
Tot Ion:117 Resp: 1660

Ion Ratio Lower Upper

117 100

119 76.7 79.5 119.3#

121 21.9 25.0 37.4#



#44

Trichloroethene

Concen: 5.21 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX004086.D

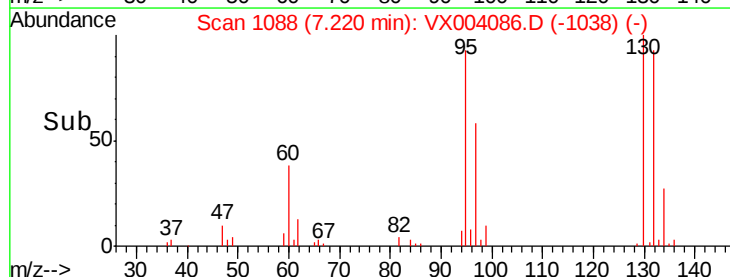
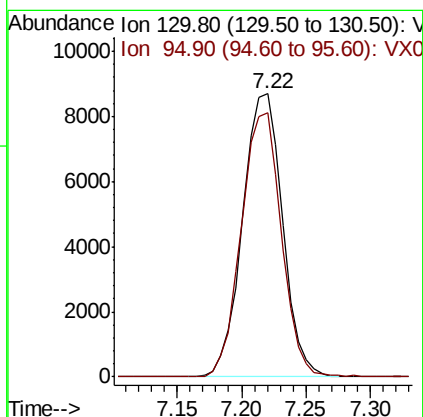
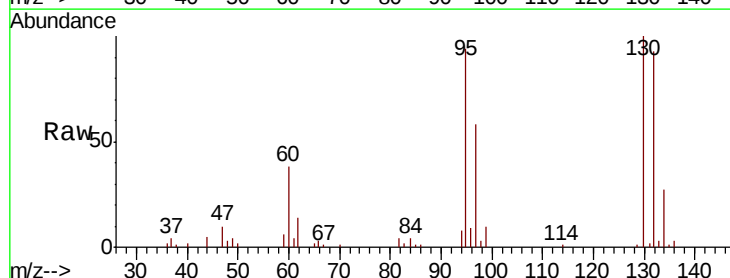
Acq: 15 Aug 2018 21:21

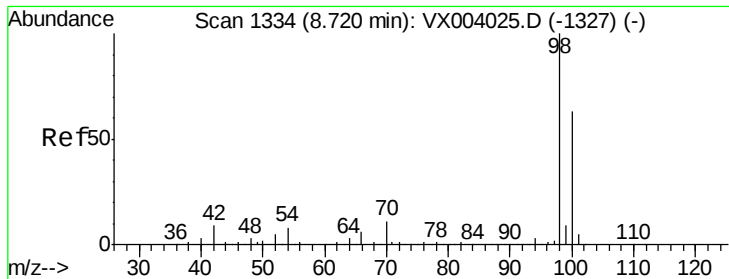
Tgt Ion:130 Resp: 18670

Ion Ratio Lower Upper

130 100

95 93.5 0.0 199.4

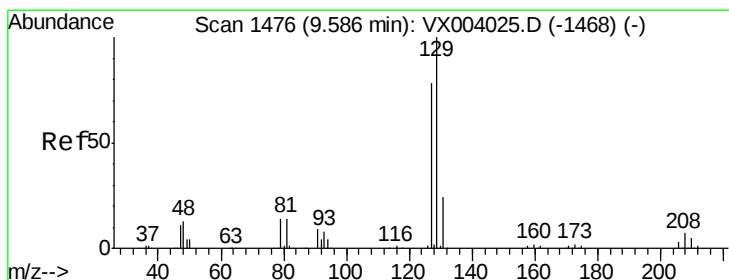
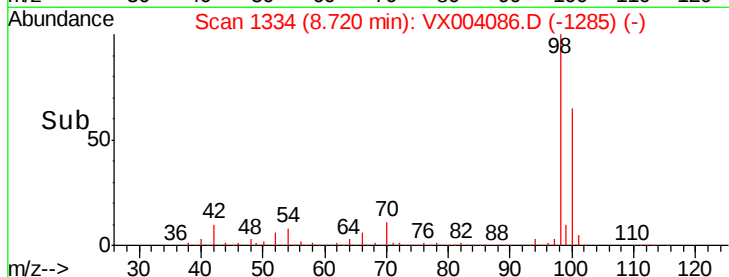
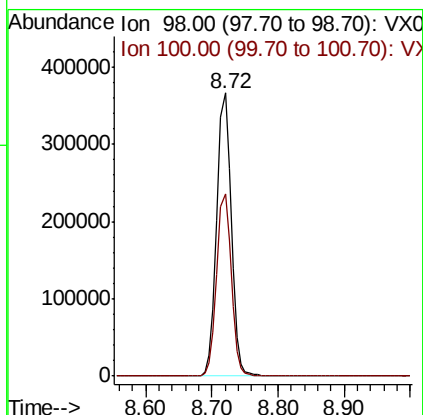
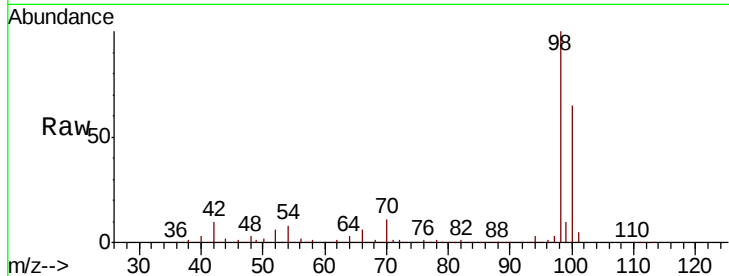




#50
Toluene-d8
Concen: 47.57 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

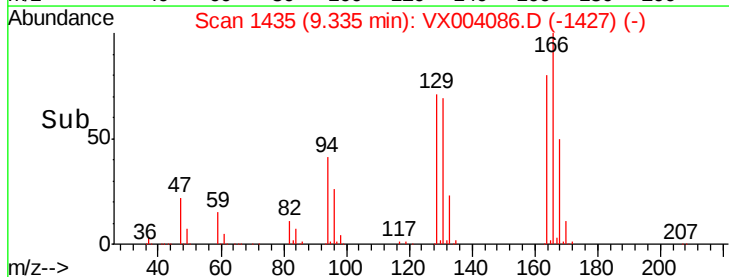
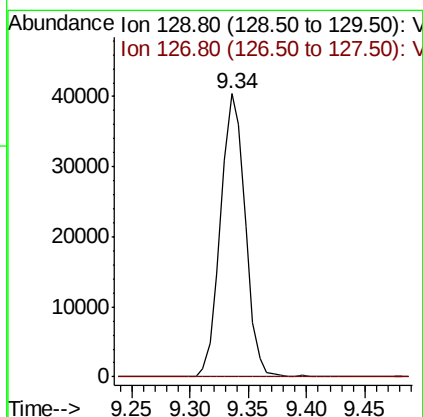
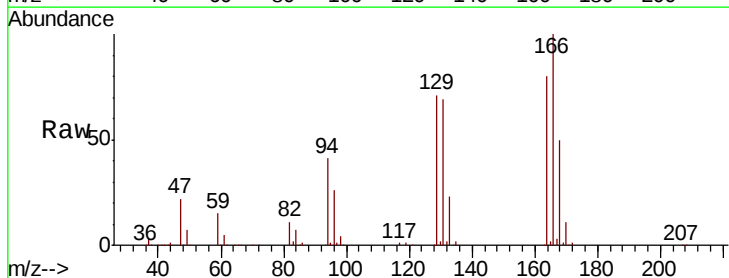
Instrument :
MSVOA_X
ClientSampleId :
MW-285-SRI3

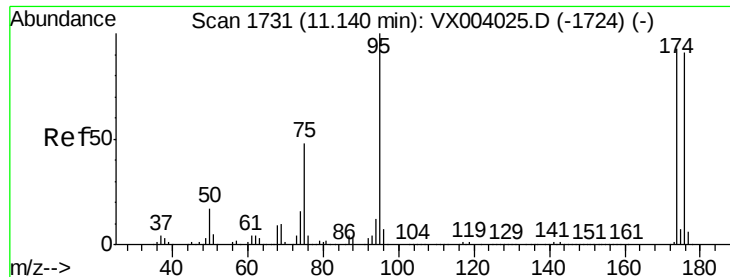
Tot Ion: 98 Resp: 557104
Ion Ratio Lower Upper
98 100
100 64.9 53.3 79.9



#60
Dibromochloromethane
Concen: 17.86 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Tgt Ion:129 Resp: 59195
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.3#

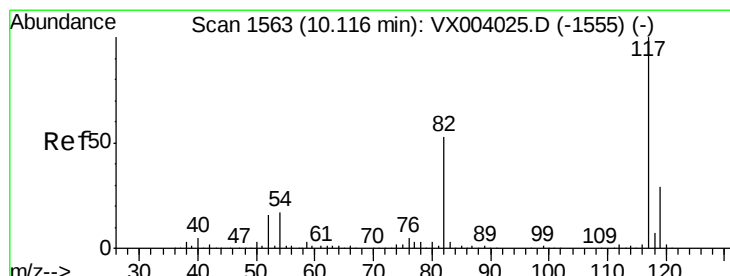
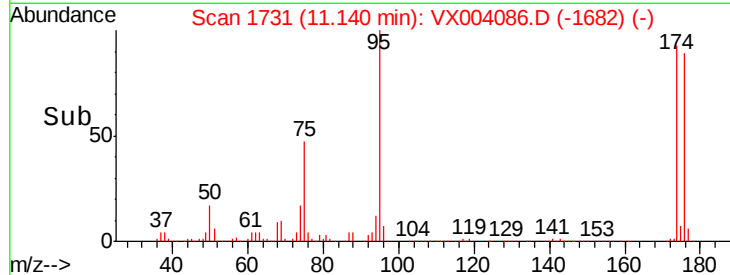
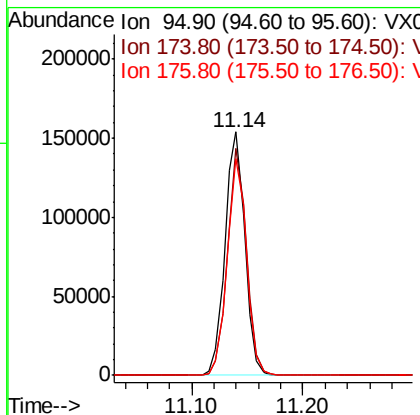
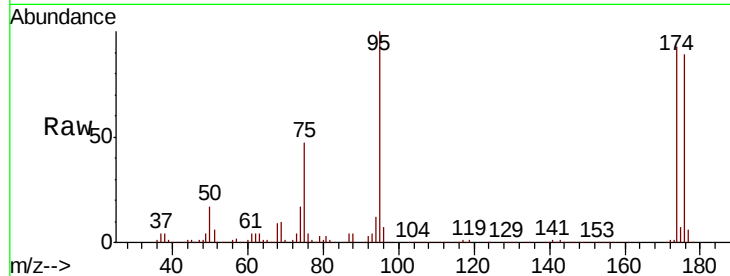




#62
 4-Bromofluorobenzene
 Concen: 44.49 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

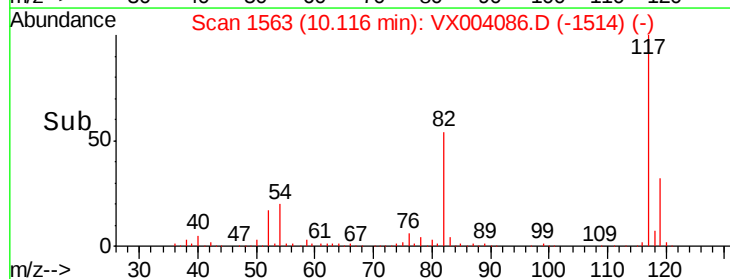
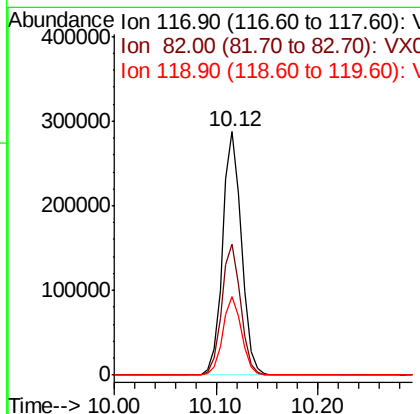
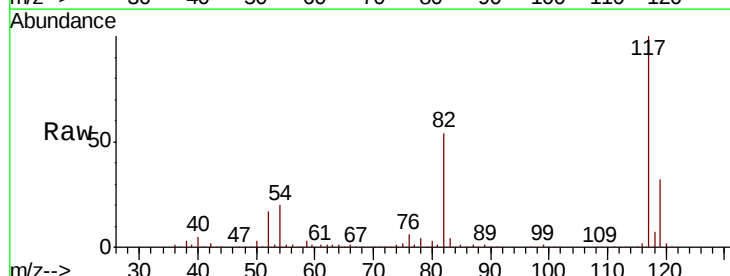
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-285-SRI3

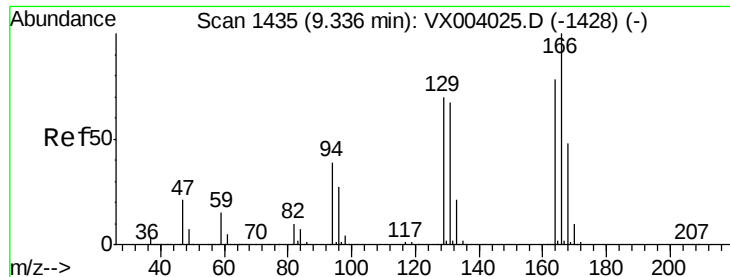
Tot Ion	95	Resp	188985
Ion Ratio	100		
Lower			
Upper			
95	100		
174	89.9	0.0	182.8
176	87.1	0.0	179.0



#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 10.12 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VX004086.D
 Acq: 15 Aug 2018 21:21

Tgt Ion	117	Resp	370774
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td></td> <td></td>			
Upper <td></td> <td></td> <td></td>			
117	100		
82	53.8	45.4	68.0
119	32.1	26.6	40.0

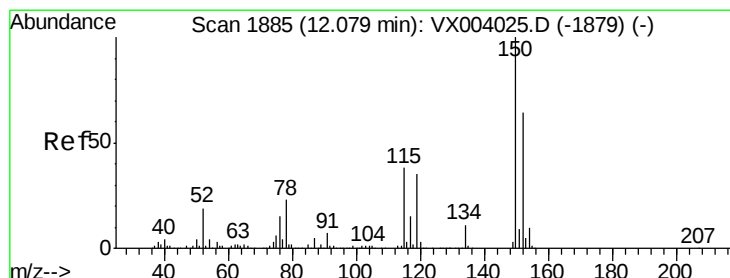
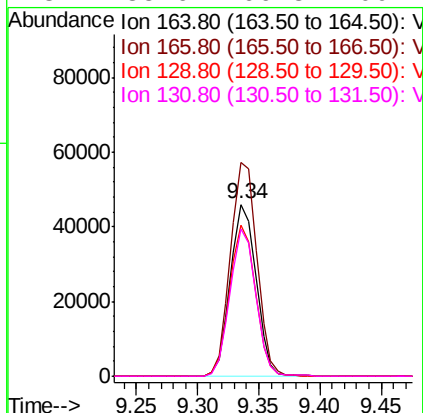
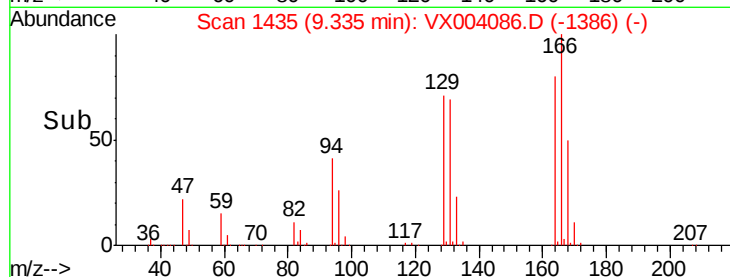
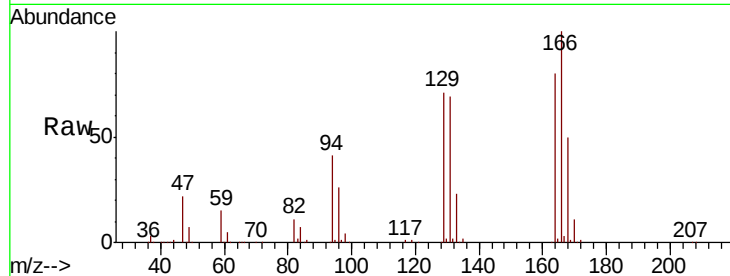




#64
Tetrachloroethene
Concen: 19.11 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

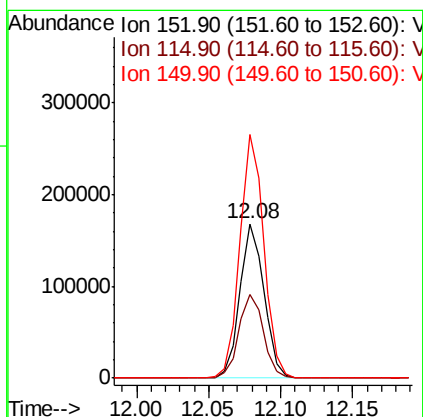
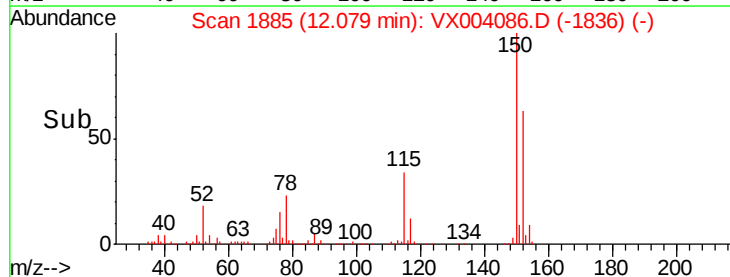
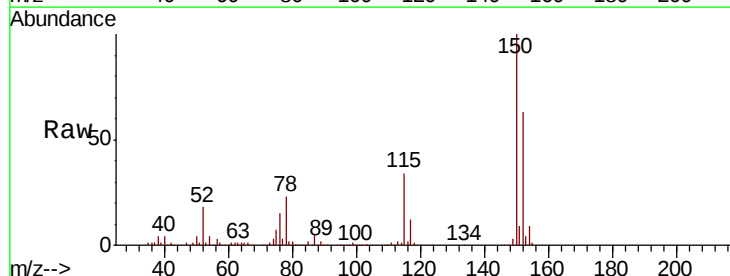
Instrument :
MSVOA_X
ClientSampleId :
MW-285-SRI3

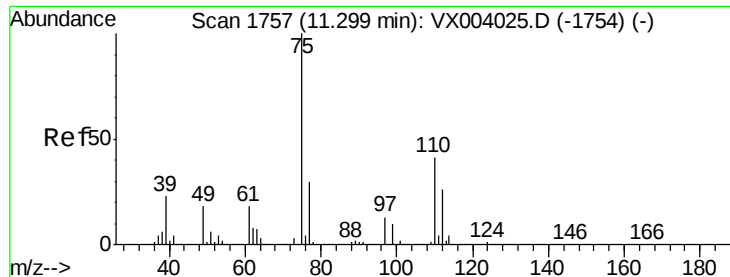
Tot Ion	Ratio	Lower	Upper
164	100		
166	124.2	98.0	147.0
129	87.7	64.3	96.5
131	85.6	66.8	100.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	39.1	117.3
150	156.8	0.0	349.2





#76

1,2,3-Trichloropropane

Concen: 22.66 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

Instrument :

MSVOA_X

ClientSampleId :

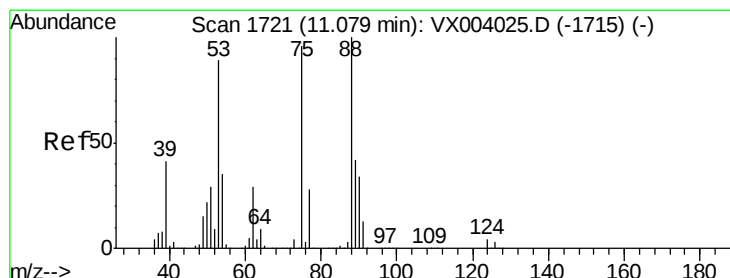
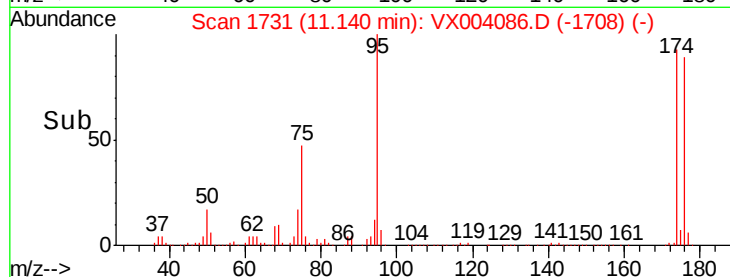
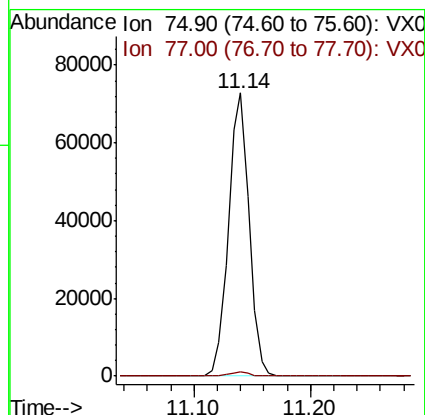
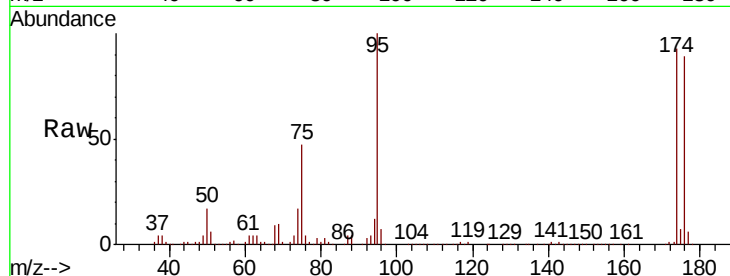
MW-285-SRI3

Tot Ion: 75 Resp: 89196

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX004086.D

Acq: 15 Aug 2018 21:21

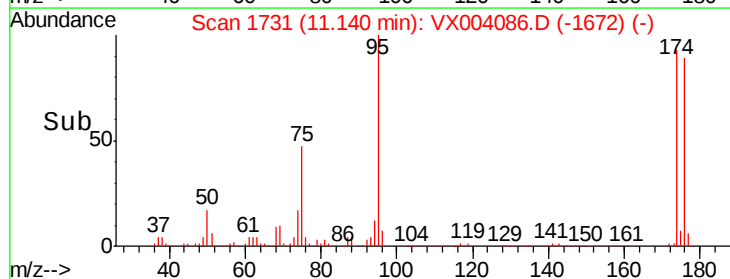
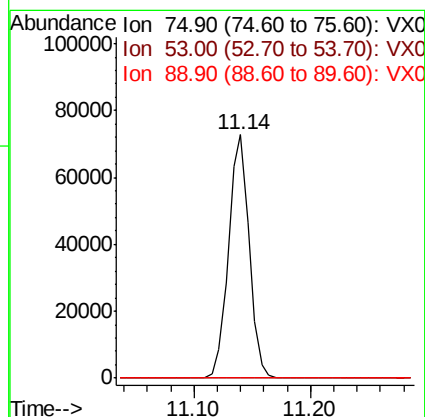
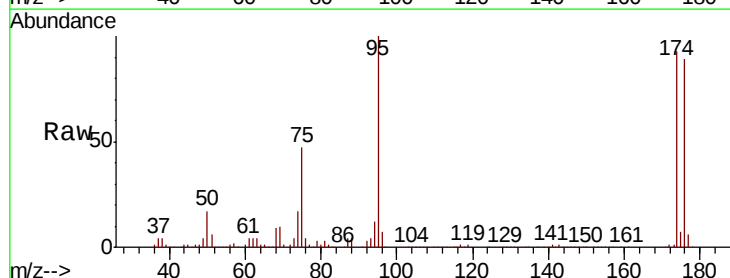
Tgt Ion: 75 Resp: 89196

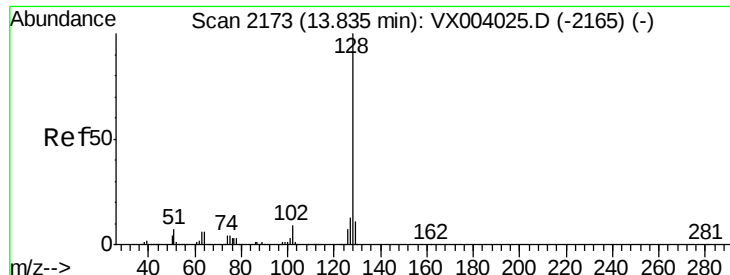
Ion Ratio Lower Upper

75 100

53 0.3 80.3 120.5#

89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 1.16 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.01 min
Lab File: VX004086.D
Acq: 15 Aug 2018 21:21

Instrument :
MSVOA_X
ClientSampleId :
MW-285-SRI3

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#

