

Data File : VX017267.D
Acq On : 08 Jul 2020 19:38
Operator : JC/SP
Sample : L3195-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630

Quant Time: Jul 09 02:35:48 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	247996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	419284	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242965	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	160959	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	5.46	113	140263	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	8.70	98	505047	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.12	95	212906	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

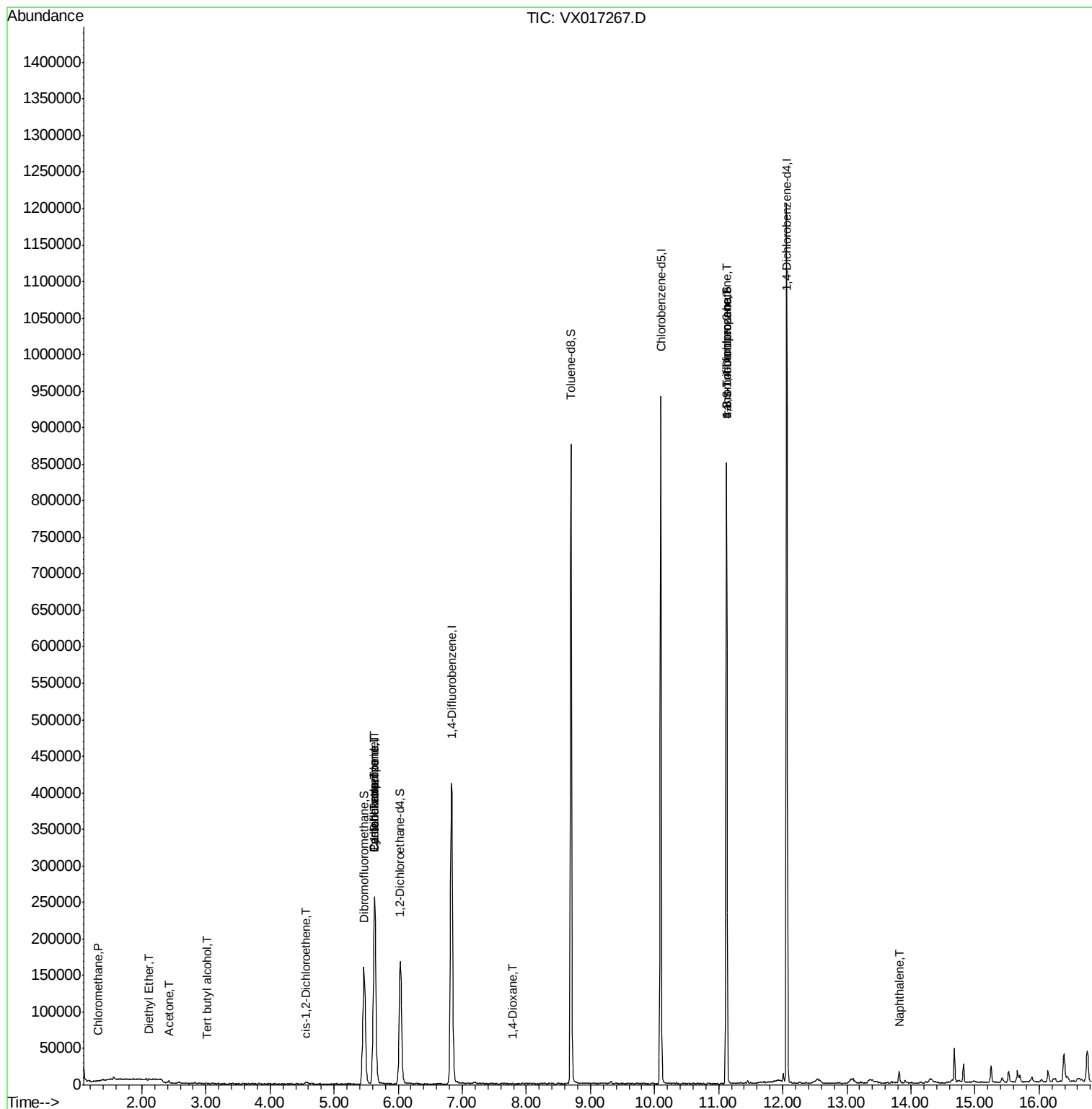
Target Compounds				Qvalue		
3) Chloromethane	1.32	50	613	0.211	ug/l	90
8) Diethyl Ether	2.11	74	185	0.502	ug/l	66
11) Tert butyl alcohol	3.01	59	189	0.324	ug/l #	73
16) Acetone	2.42	43	2186	1.911	ug/l #	80
20) Methylene Chloride	2.84	84	606	Below Cal	#	66
27) cis-1,2-Dichloroethene	4.57	96	901	0.292	ug/l	87
31) Cyclohexane	5.62	56	5172	1.253	ug/l #	3
36) 1,1-Dichloropropene	5.63	75	17459	4.406	ug/l #	52
38) Carbon Tetrachloride	5.63	117	24617	5.640	ug/l #	17
44) Trichloroethene	7.18	130	866	Below Cal		74
49) 1,4-Dioxane	7.79	88	29	0.403	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	108389	22.686	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	108389	58.749	ug/l #	13
88) 1,4-Dichlorobenzene	12.09	146	517	Below Cal	#	25
95) Naphthalene	13.82	128	9490	0.616	ug/l	98

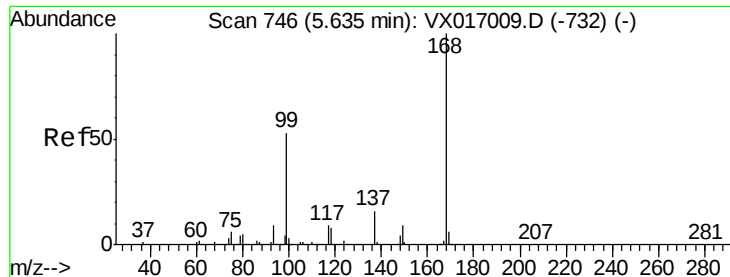
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

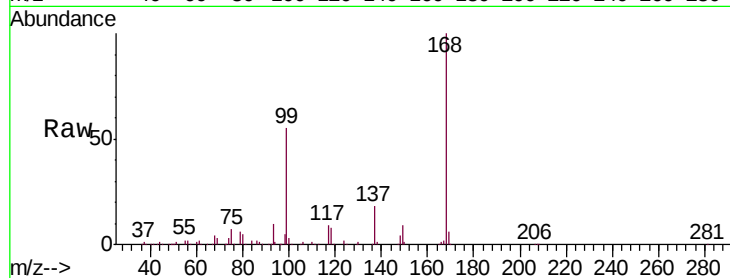
MH-117N-20200630

Tgt Ion:168 Resp: 247996

Ion Ratio Lower Upper

168 100

99 54.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

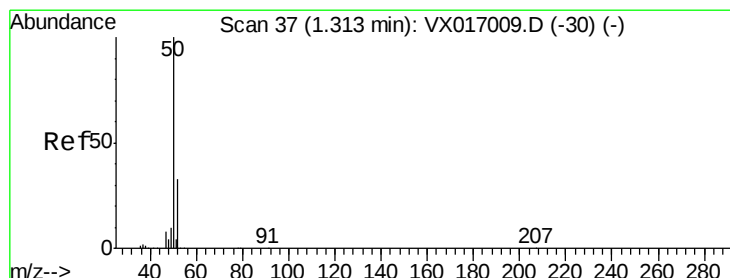
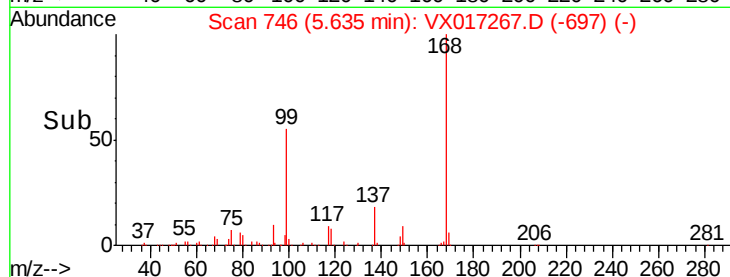
40000

20000

0

5.50 5.60 5.70

Time-->



#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017267.D

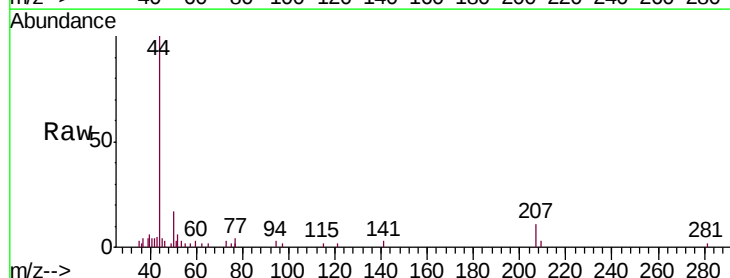
Acq: 08 Jul 2020 19:38

Tgt Ion: 50 Resp: 613

Ion Ratio Lower Upper

50 100

52 38.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

300

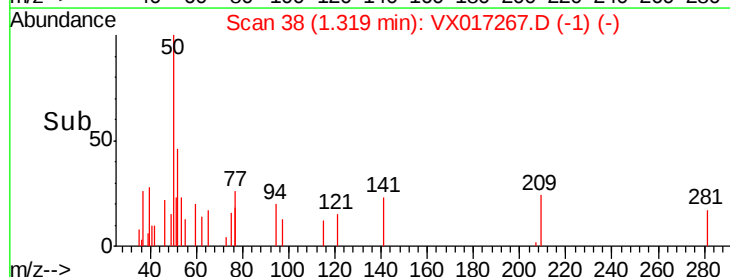
200

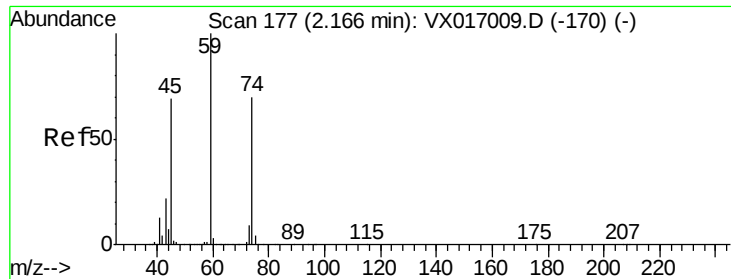
100

0

1.26 1.28 1.30 1.32 1.34

Time-->





#8

Diethyl Ether

Concen: 0.502 ug/l

RT: 2.11 min Scan# 167

Delta R.T. -0.06 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

Instrument :

MSVOA_X

ClientSampleId :

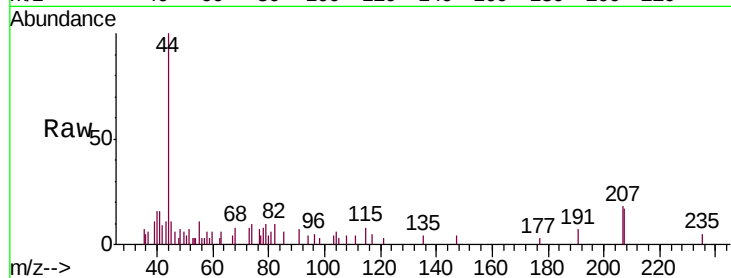
MH-117N-20200630

Tgt Ion: 74 Resp: 185

Ion Ratio Lower Upper

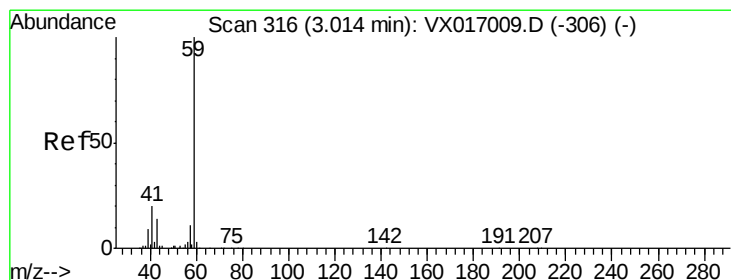
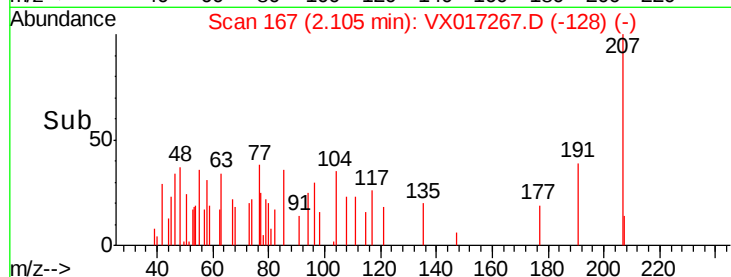
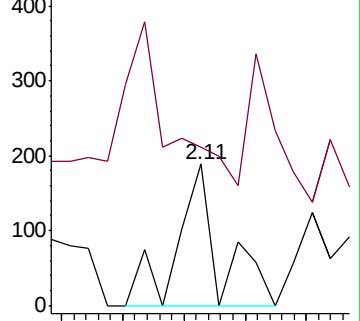
74 100

45 65.9 49.8 149.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 0.324 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017267.D

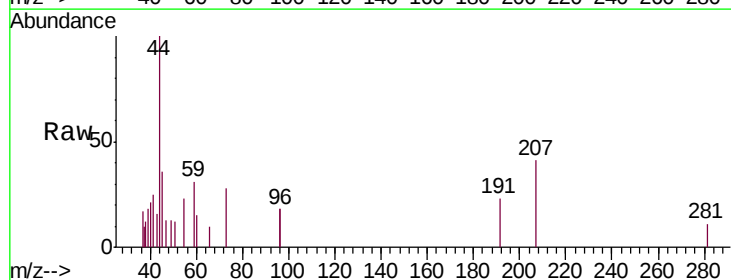
Acq: 08 Jul 2020 19:38

Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

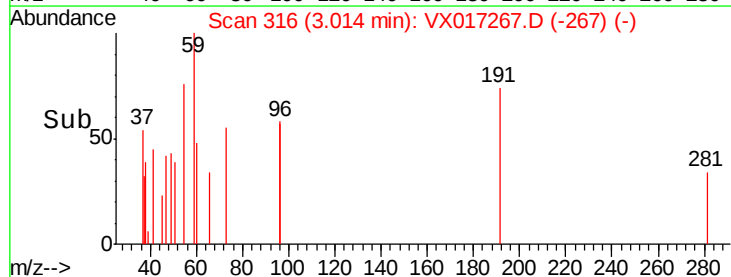
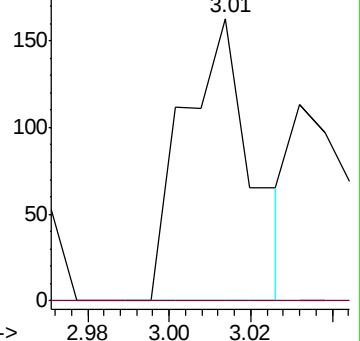
59 100

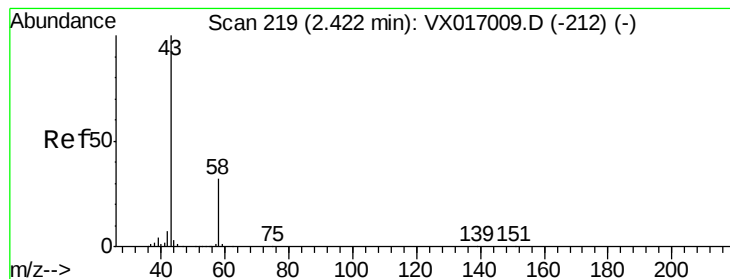
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.911 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

Instrument :

MSVOA_X

ClientSampleId :

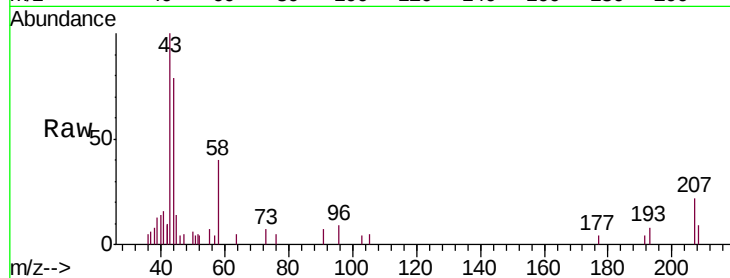
MH-117N-20200630

Tgt Ion: 43 Resp: 2186

Ion Ratio Lower Upper

43 100

58 43.5 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

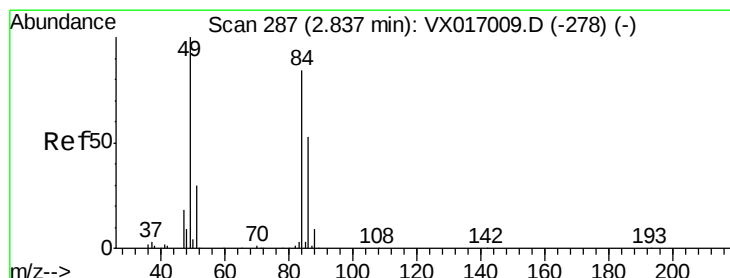
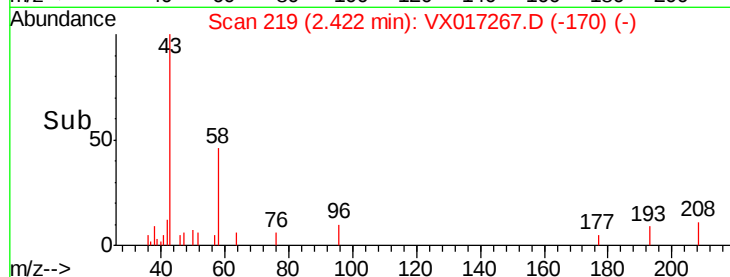
1000

500

0

Time-->

2.40 2.45



#20

Methylene Chloride

Concen: Below Cal

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

Tgt Ion: 84 Resp: 606

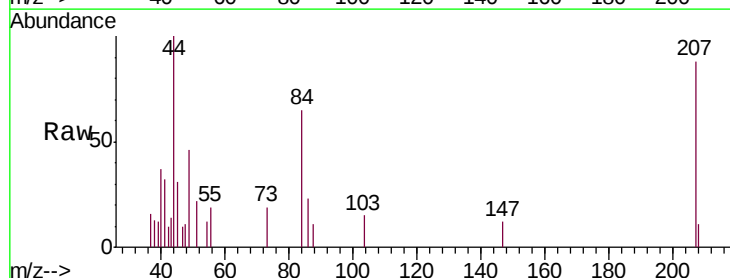
Ion Ratio Lower Upper

84 100

49 71.5 94.7 142.1#

51 33.6 28.6 42.8

86 34.8 50.5 75.7#



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

600

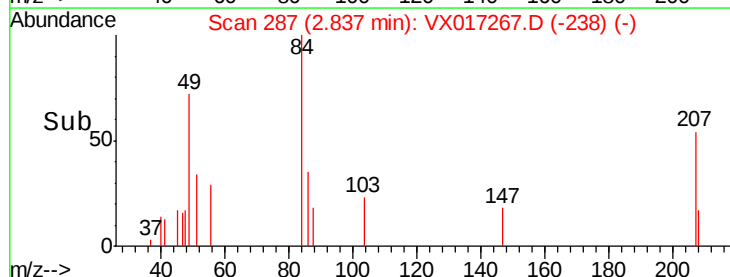
400

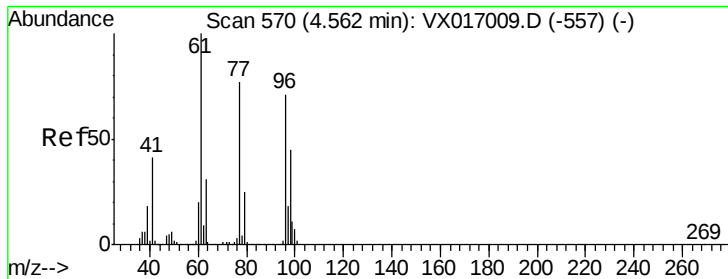
200

0

Time-->

2.80 2.85 2.90



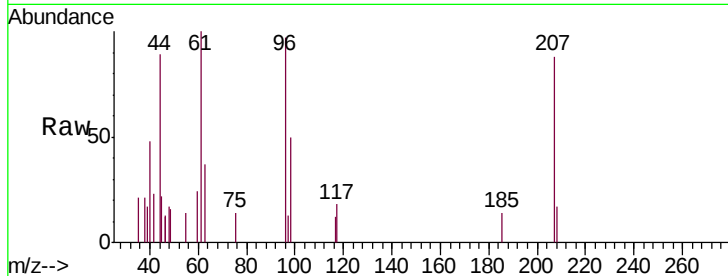


#27

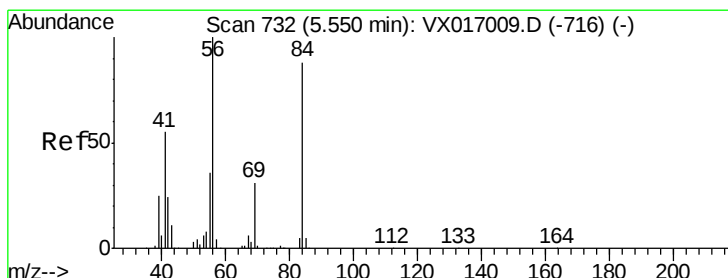
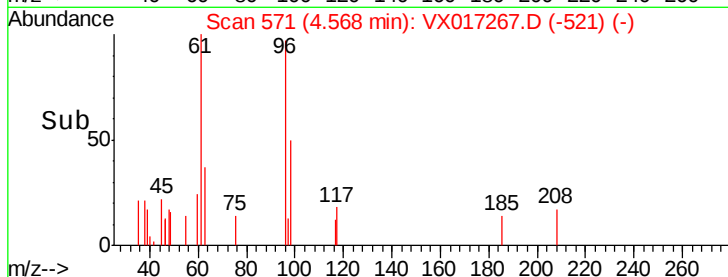
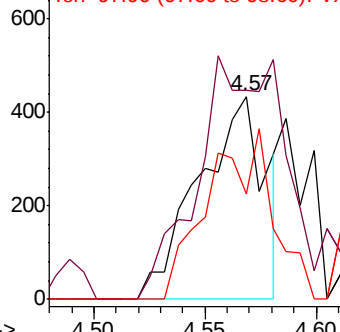
cis-1,2-Dichloroethene
Concen: 0.292 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017267.D
Acq: 08 Jul 2020 19:38

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630

Tgt Ion: 96 Resp: 901
Ion Ratio Lower Upper
96 100
61 152.9 0.0 282.8
98 81.0 0.0 127.6



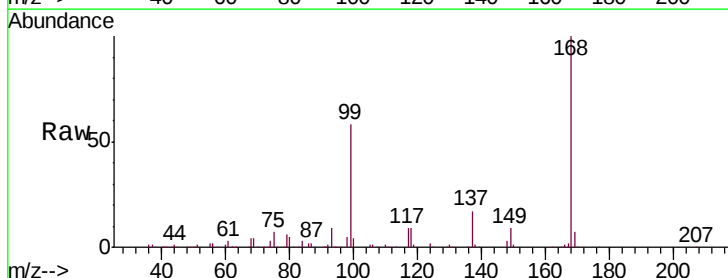
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



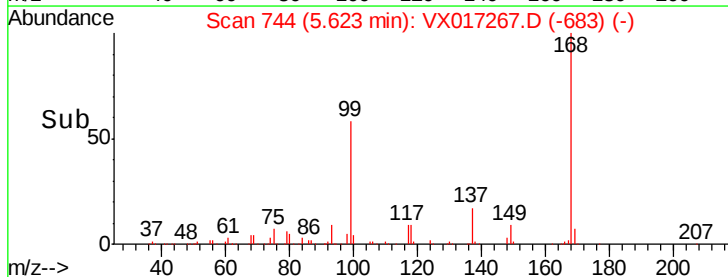
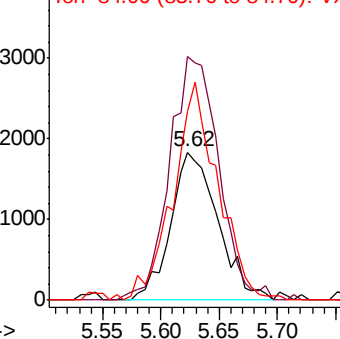
#31

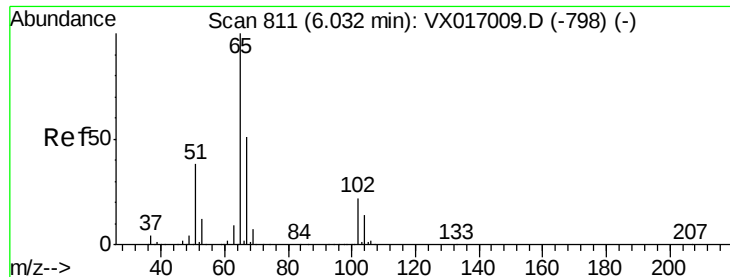
Cyclohexane
Concen: 1.253 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX017267.D
Acq: 08 Jul 2020 19:38

Tgt Ion: 56 Resp: 5172
Ion Ratio Lower Upper
56 100
69 164.6 25.0 37.4#
84 127.8 69.1 103.7#



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: 52.648 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

Instrument :

MSVOA_X

ClientSampleId :

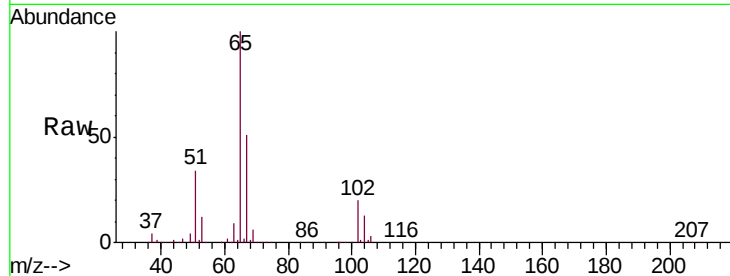
MH-117N-20200630

Tgt Ion: 65 Resp: 160959

Ion Ratio Lower Upper

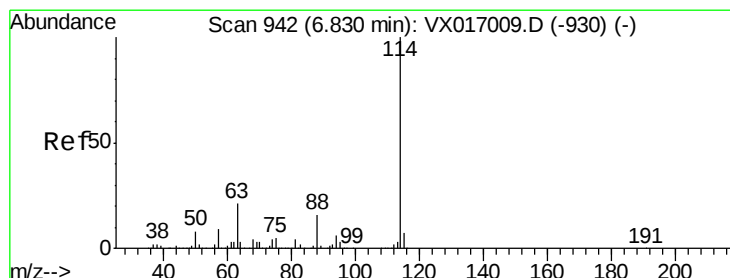
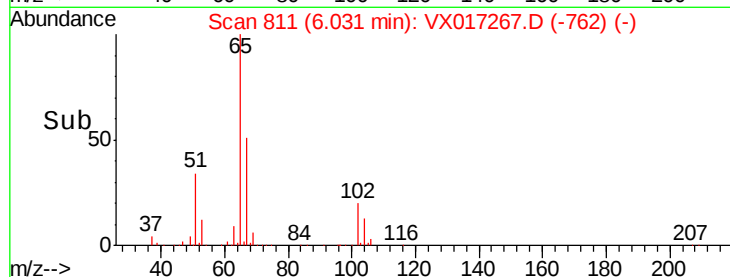
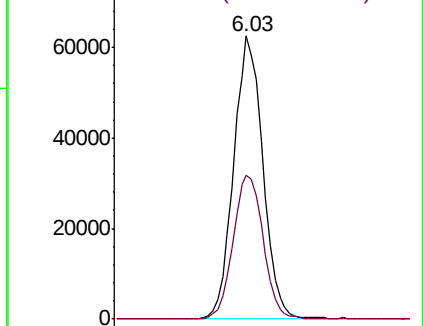
65 100

67 52.6 0.0 103.8



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

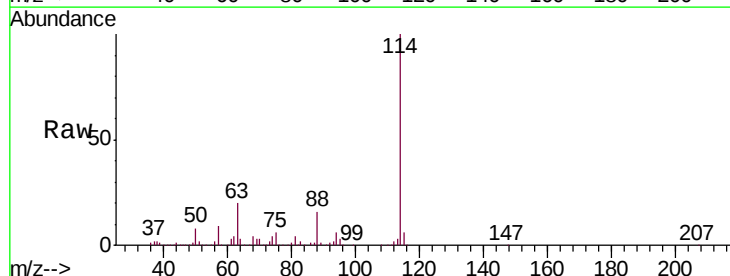
Tgt Ion: 114 Resp: 419284

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

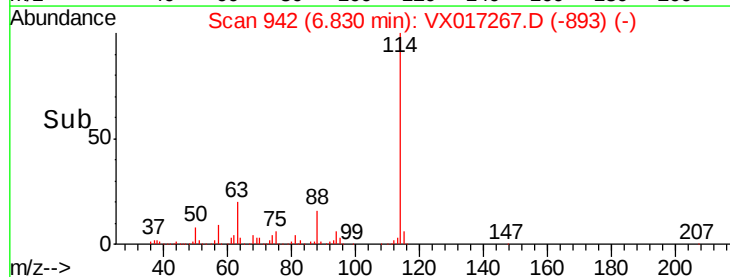
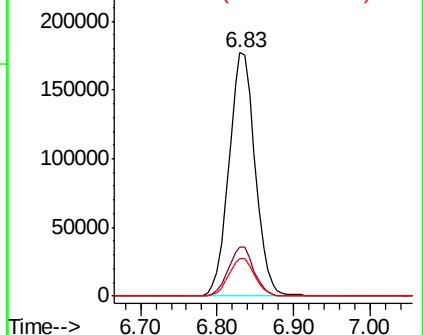
88 15.5 0.0 32.4

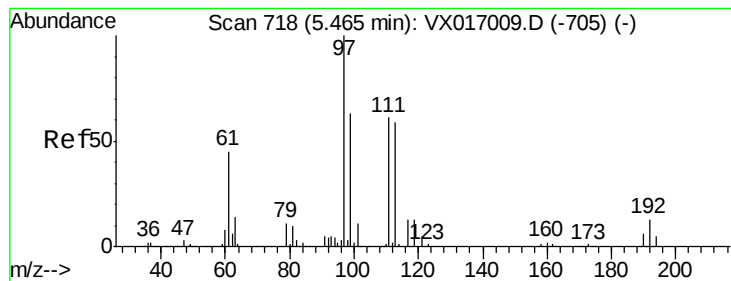


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.884 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017267.D

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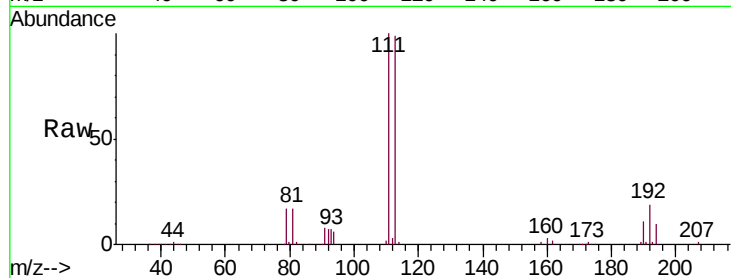
Tgt Ion:113 Resp: 140263

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

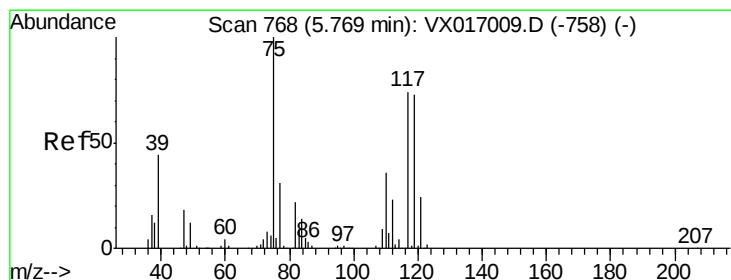
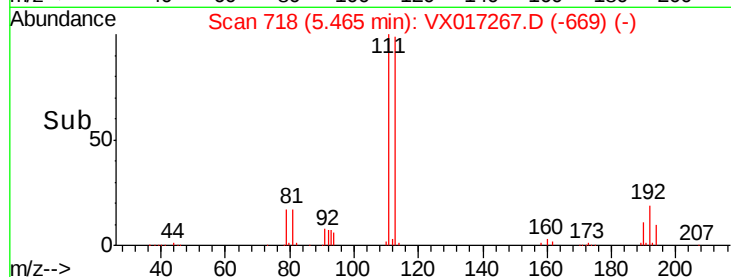
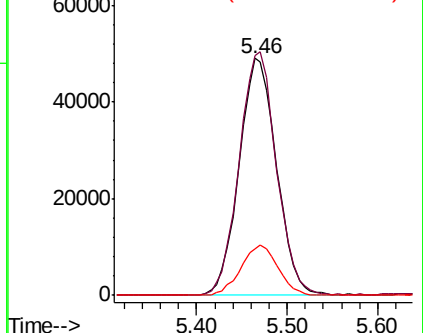
192 21.0 16.7 25.1



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: 4.406 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

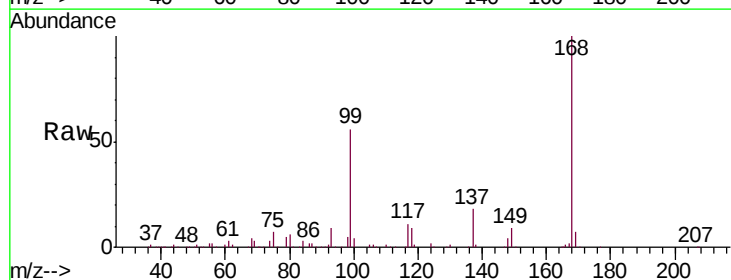
Tgt Ion: 75 Resp: 17459

Ion Ratio Lower Upper

75 100

110 12.1 18.1 54.1#

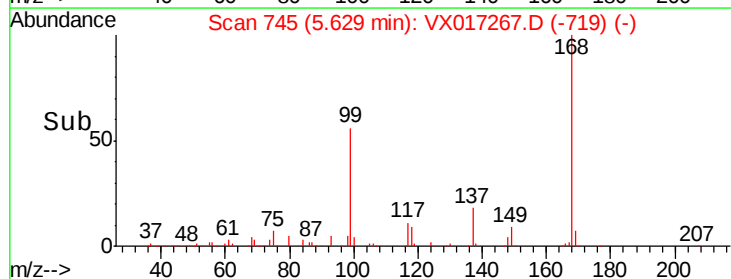
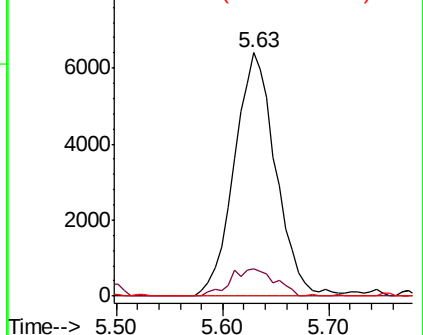
77 0.0 24.6 37.0#

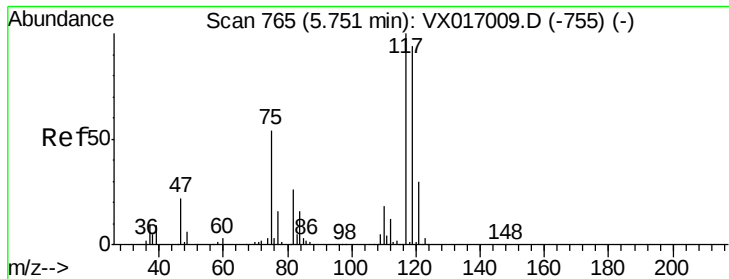


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.640 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

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MSVOA_X

ClientSampleId :

MH-117N-20200630

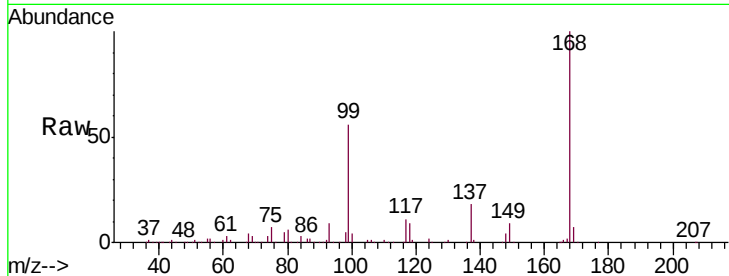
Tgt Ion:117 Resp: 24617

Ion Ratio Lower Upper

117 100

119 5.5 75.4 113.0#

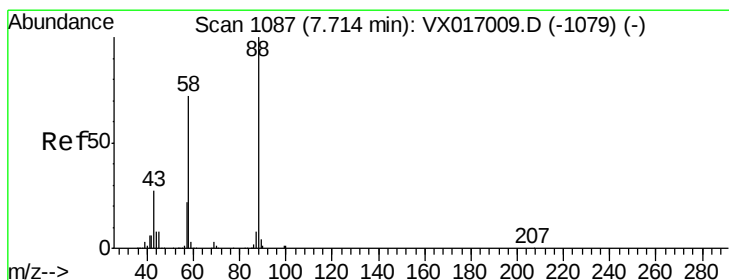
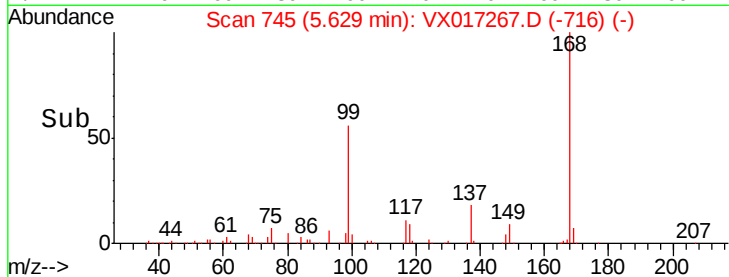
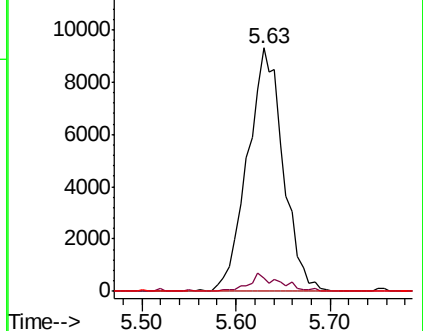
121 0.0 23.8 35.6#



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: 0.403 ug/l

RT: 7.79 min Scan# 1099

Delta R.T. 0.07 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

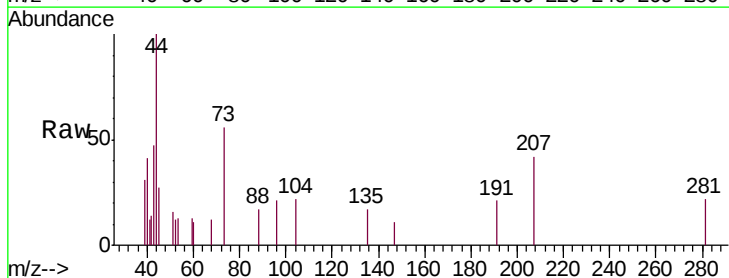
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 2834.5 25.8 38.8#

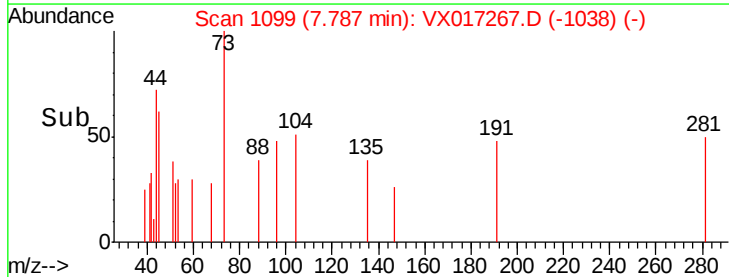
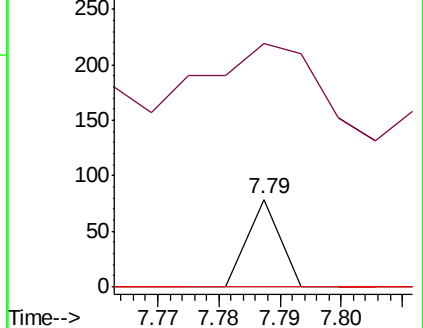
58 0.0 54.8 82.2#

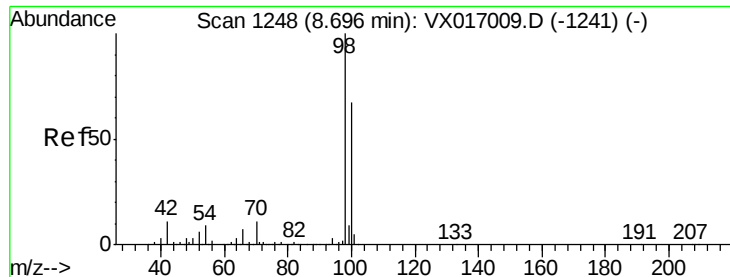


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.496 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

Instrument :

MSVOA_X

ClientSampleId :

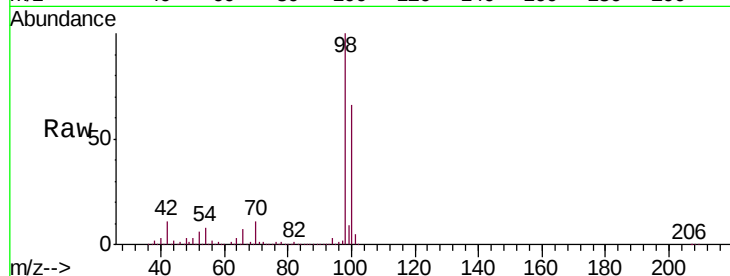
MH-117N-20200630

Tgt Ion: 98 Resp: 505047

Ion Ratio Lower Upper

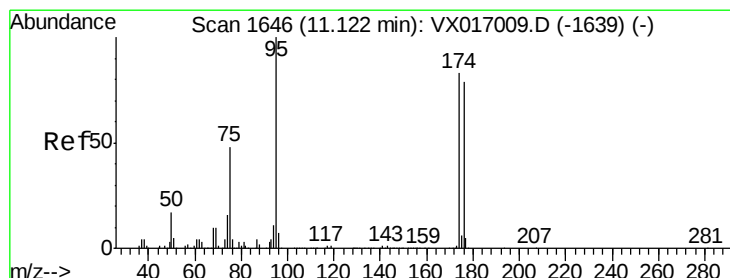
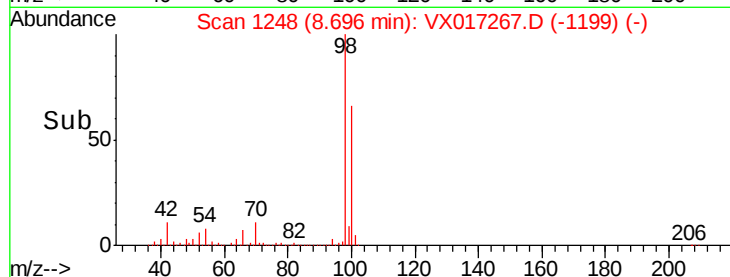
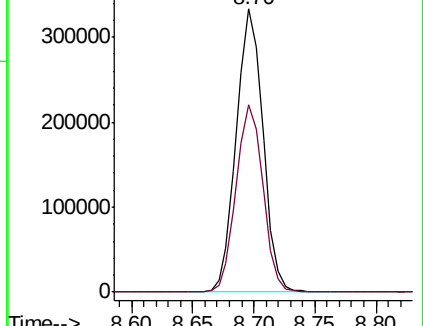
98 100

100 66.3 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 55.533 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

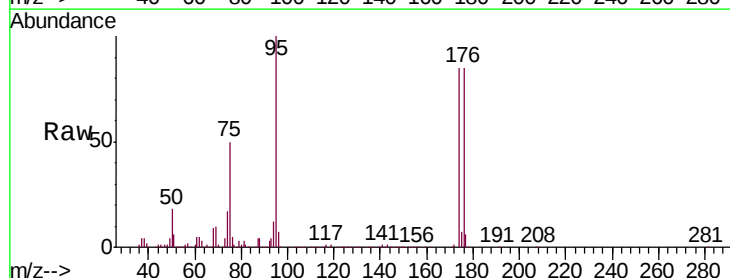
Tgt Ion: 95 Resp: 212906

Ion Ratio Lower Upper

95 100

174 86.3 0.0 164.0

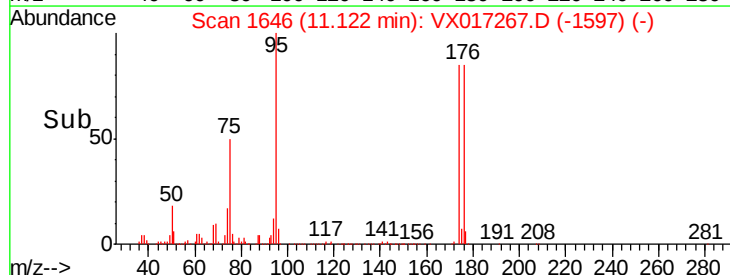
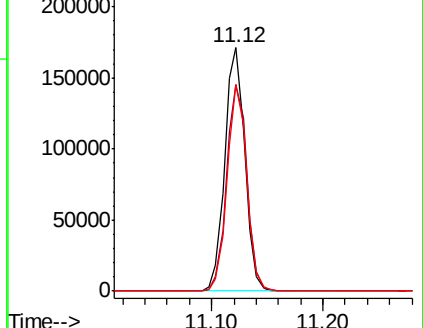
176 82.7 0.0 157.6

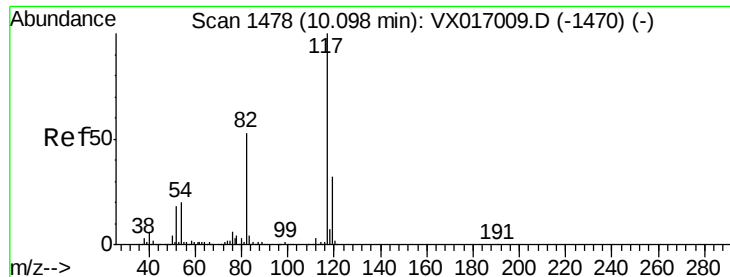


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

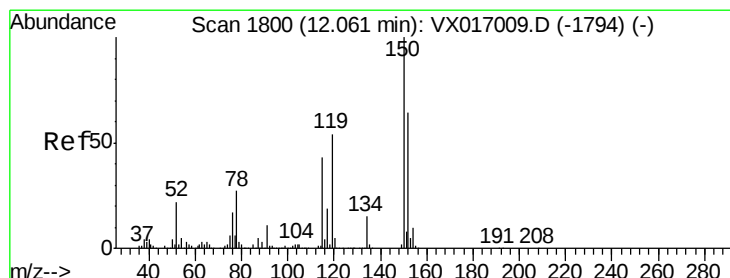
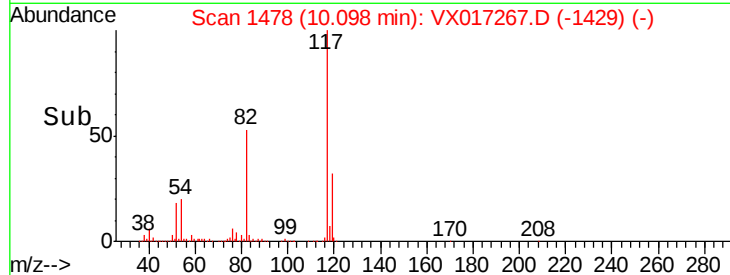
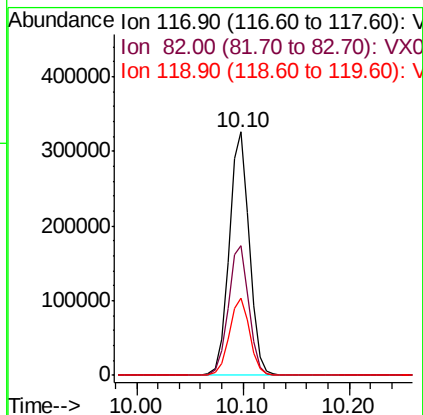
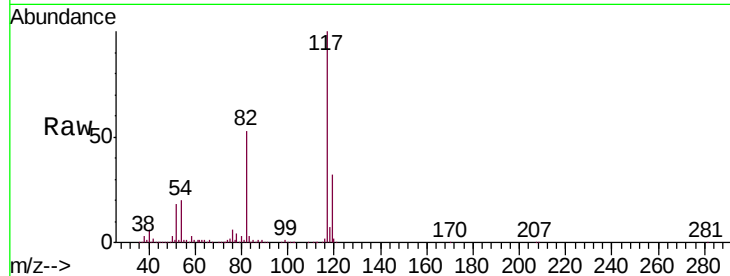




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017267.D
Acq: 08 Jul 2020 19:38

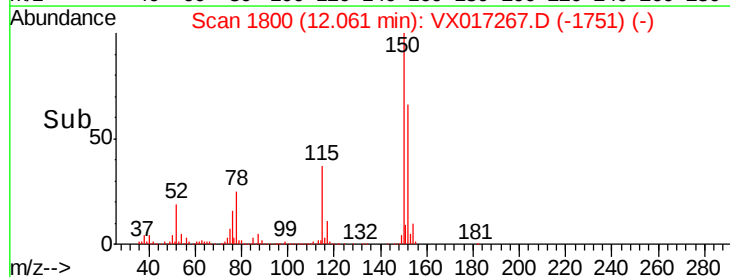
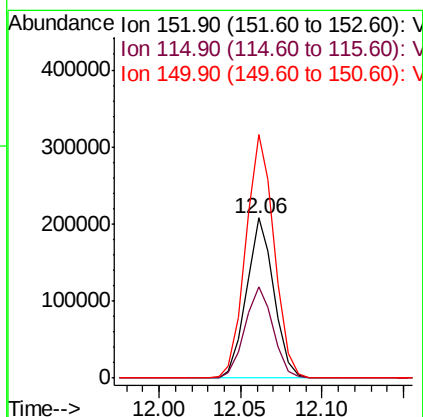
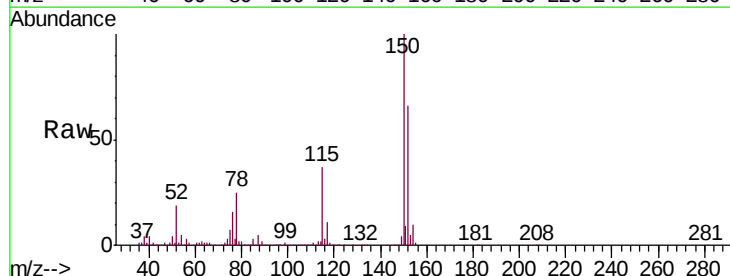
Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630

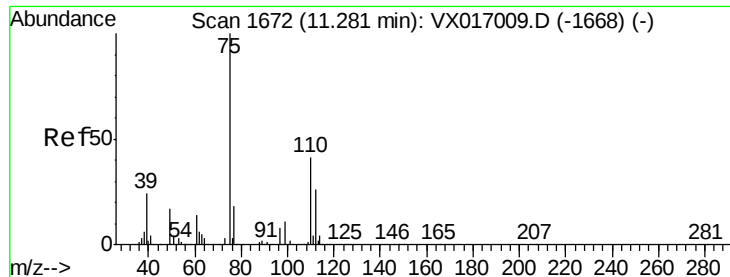
Tgt Ion:117 Resp: 430806
Ion Ratio Lower Upper
117 100
82 53.2 42.6 63.8
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017267.D
Acq: 08 Jul 2020 19:38

Tgt Ion:152 Resp: 242965
Ion Ratio Lower Upper
152 100
115 58.5 40.9 122.7
150 157.3 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 22.686 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

Instrument :

MSVOA_X

ClientSampleId :

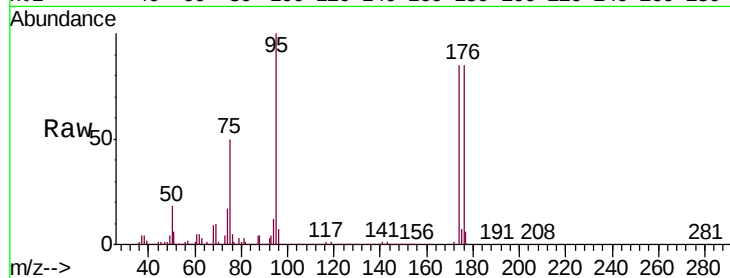
MH-117N-20200630

Tgt Ion: 75 Resp: 108389

Ion Ratio Lower Upper

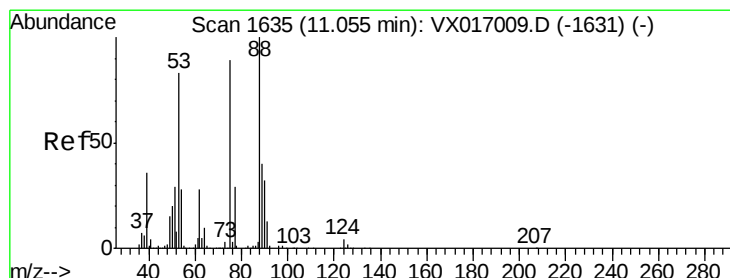
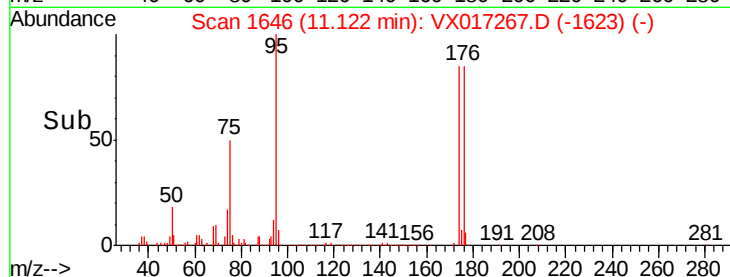
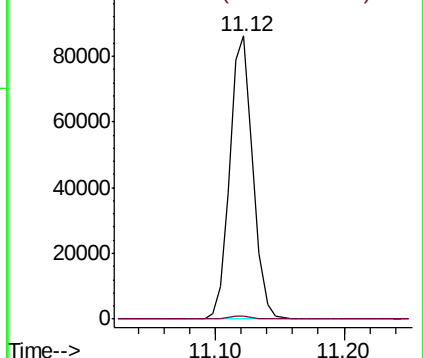
75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 58.749 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

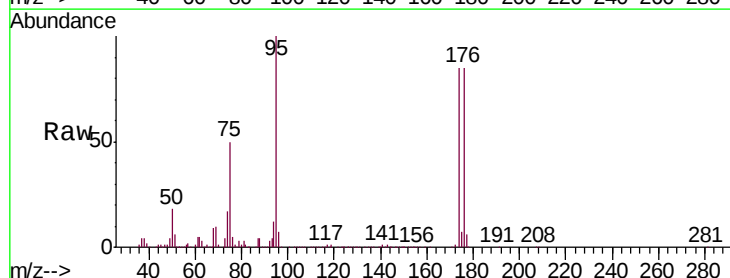
Tgt Ion: 75 Resp: 108389

Ion Ratio Lower Upper

75 100

53 0.3 72.4 108.6#

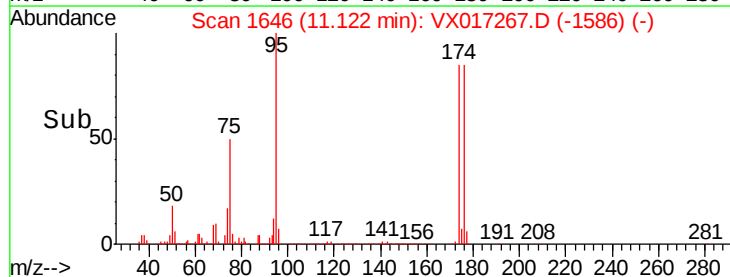
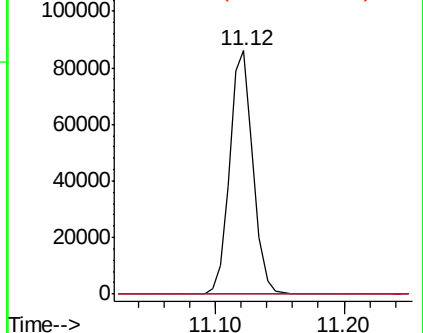
89 0.0 37.0 55.4#

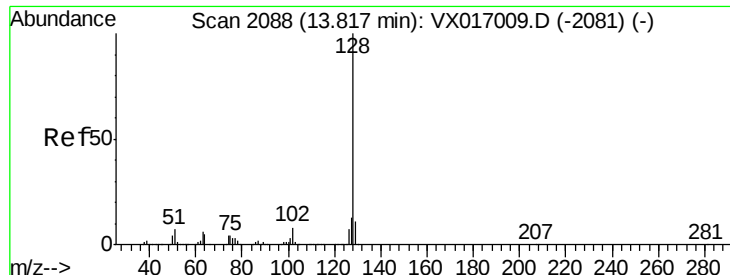


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95

Naphthalene

Concen: 0.616 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017267.D

Acq: 08 Jul 2020 19:38

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630

Tgt Ion:128 Resp: 9490

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

129 10.8 8.7 13.1

