

Data File : VX019632.D
Acq On : 25 Nov 2020 02:22
Operator : JC/MD
Sample : L4835-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20201119

Quant Time: Nov 25 04:11:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	309868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	506101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	449439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	179470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192347	47.87	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.74%		
35) Dibromofluoromethane	5.46	113	151242	47.61	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.22%		
50) Toluene-d8	8.70	98	605065	49.01	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.02%		
62) 4-Bromofluorobenzene	11.12	95	204558	46.06	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.12%		

Target Compounds

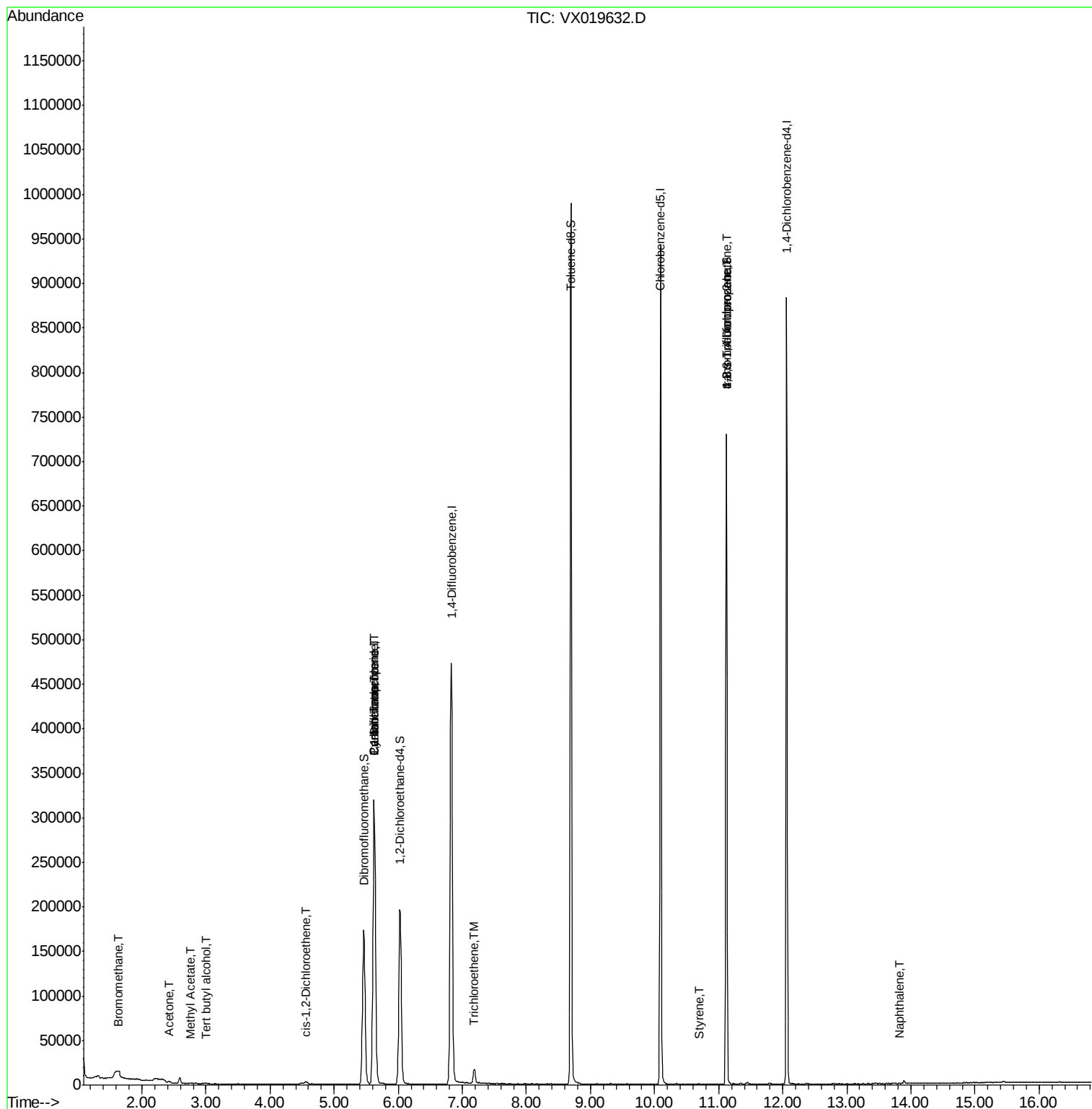
					Qvalue	
5) Bromomethane	1.62	94	501	0.355	ug/l #	80
6) Chloroethane	1.71	64	426	Below Cal	#	78
11) Tert butyl alcohol	3.00	59	544	0.715	ug/l #	73
16) Acetone	2.42	43	2455	1.580	ug/l	100
18) Methyl Acetate	2.75	43	848	0.854	ug/l #	47
27) cis-1,2-Dichloroethene	4.56	96	1631	0.407	ug/l	64
31) Cyclohexane	5.62	56	5924	1.134	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23521	4.957	ug/l #	49
38) Carbon Tetrachloride	5.62	117	30687	6.682	ug/l #	17
44) Trichloroethene	7.19	130	5586	1.463	ug/l	96
70) Styrene	10.70	104	173	1.661	ug/l	99
76) 1,2,3-Trichloropropane	11.12	75	101721	25.971	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	101721	68.441	ug/l #	12
95) Naphthalene	13.82	128	751	2.232	ug/l #	91

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

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Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

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Acq: 25 Nov 2020 02:22

Instrument :

MSVOA_X

ClientSampleId :

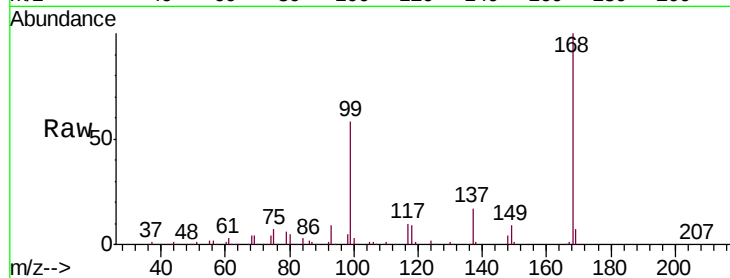
MH-117N-20201119

Tgt Ion:168 Resp: 309868

Ion Ratio Lower Upper

168 100

99 58.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

60000

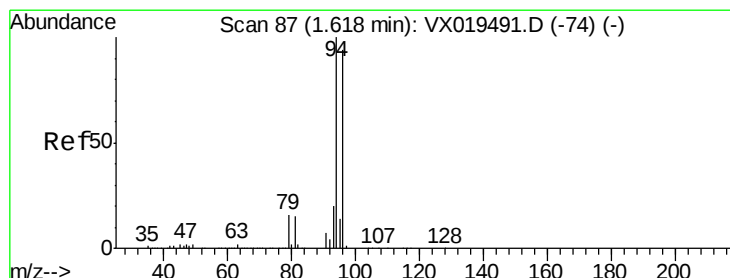
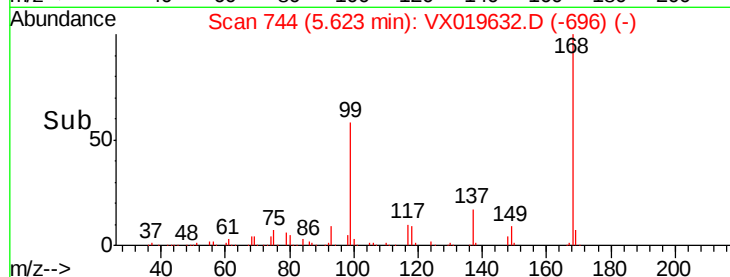
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.355 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019632.D

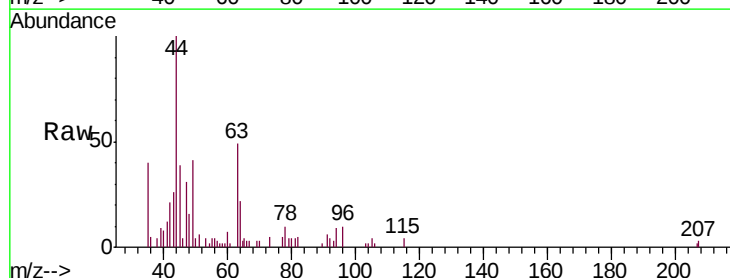
Acq: 25 Nov 2020 02:22

Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

94 100

96 114.0 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

300

250

200

150

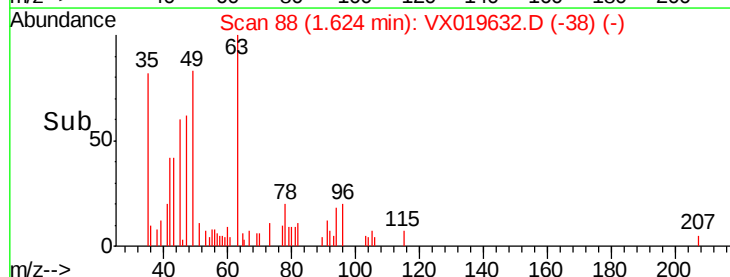
100

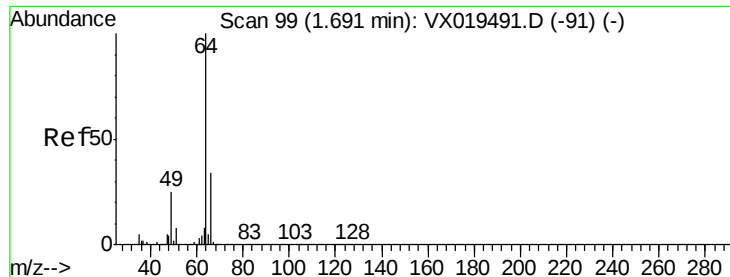
50

0

Time-->

1.55 1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. 0.02 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

Instrument :

MSVOA_X

ClientSampleId :

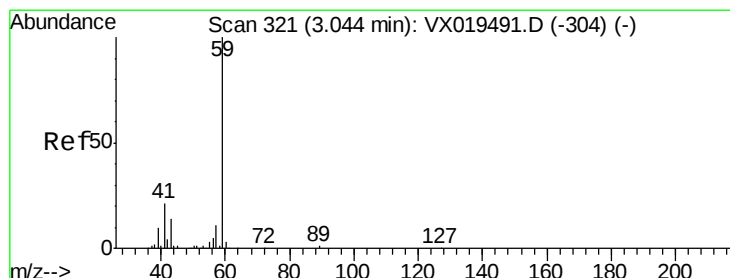
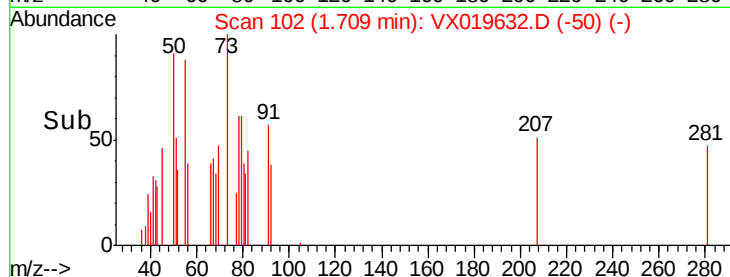
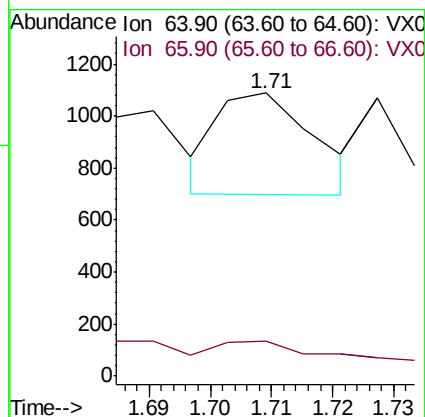
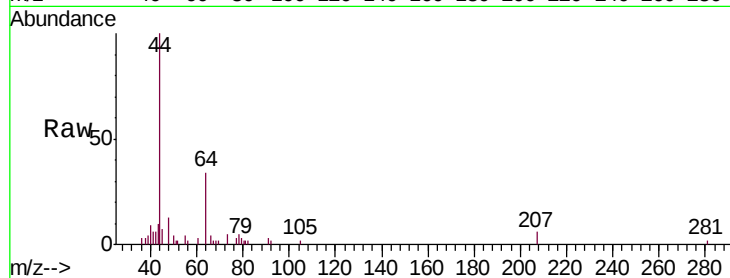
MH-117N-20201119

Tgt Ion: 64 Resp: 426

Ion Ratio Lower Upper

64 100

66 21.4 27.1 40.7#



#11

Tert butyl alcohol

Concen: 0.715 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.04 min

Lab File: VX019632.D

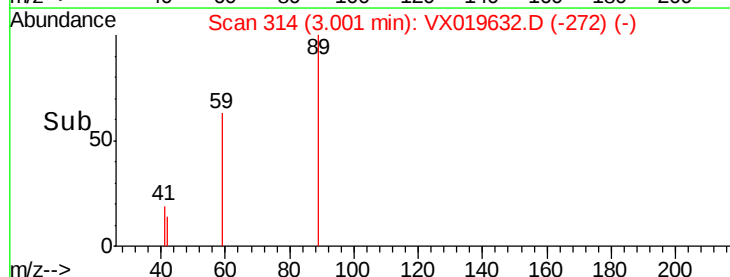
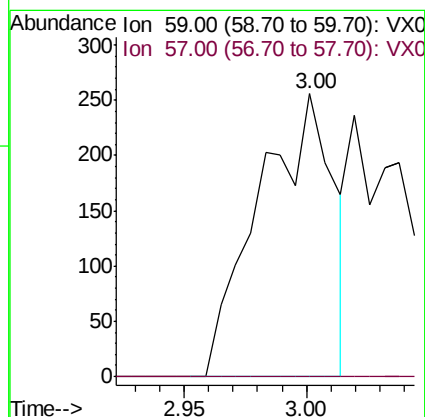
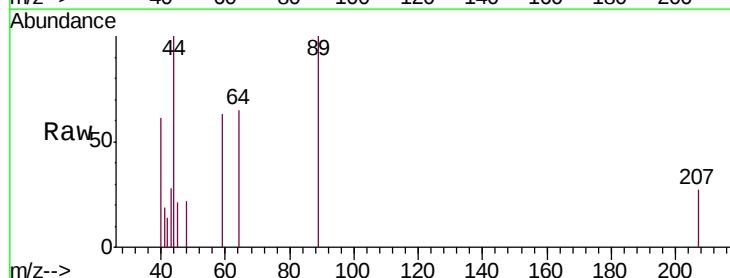
Acq: 25 Nov 2020 02:22

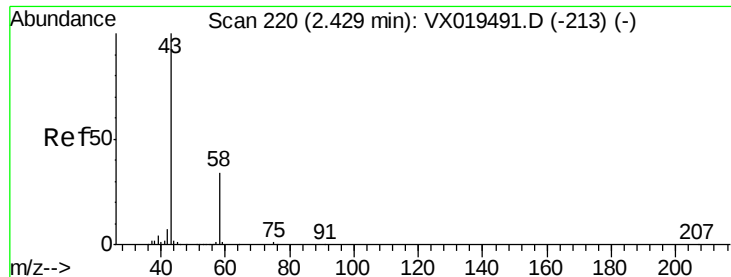
Tgt Ion: 59 Resp: 544

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#





#16

Acetone

Concen: 1.580 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

Instrument :

MSVOA_X

ClientSampleId :

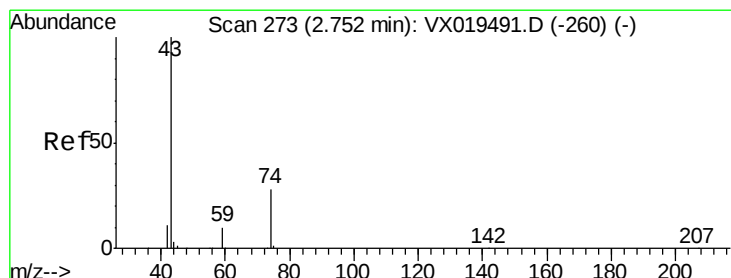
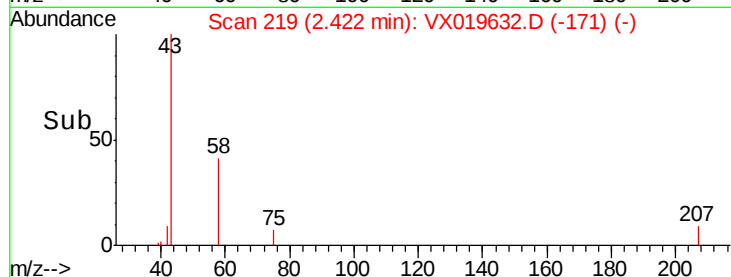
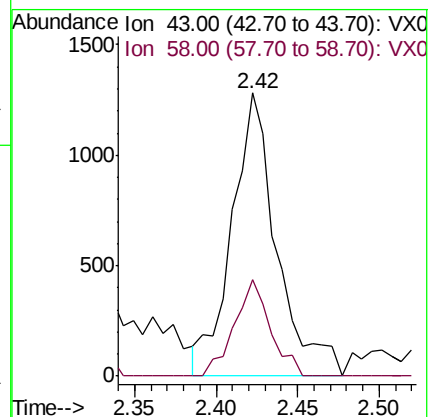
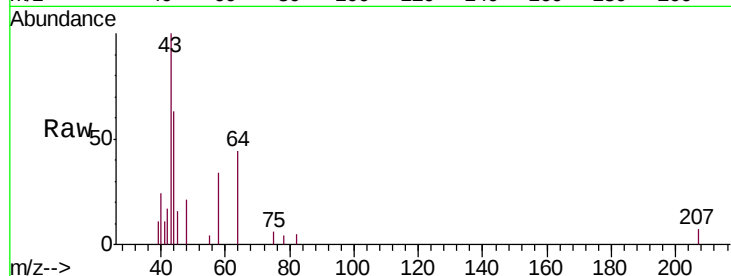
MH-117N-20201119

Tgt Ion: 43 Resp: 2455

Ion Ratio Lower Upper

43 100

58 34.0 27.4 41.2



#18

Methyl Acetate

Concen: 0.854 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX019632.D

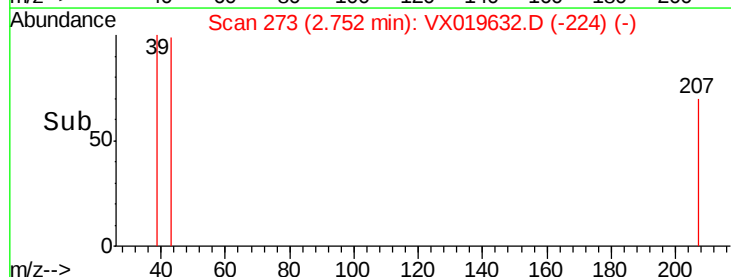
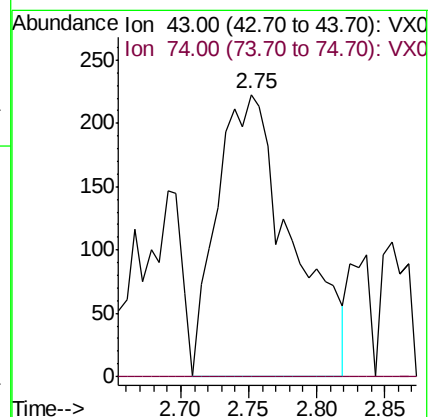
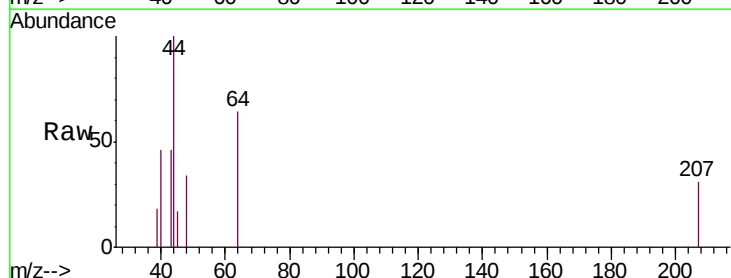
Acq: 25 Nov 2020 02:22

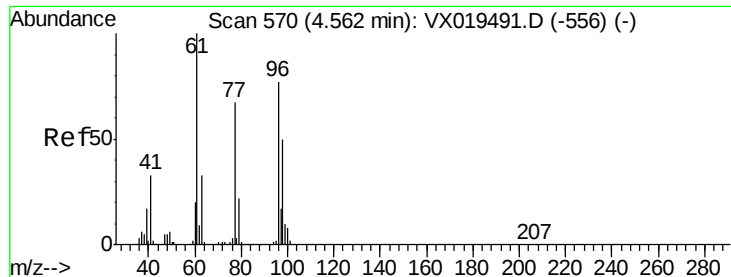
Tgt Ion: 43 Resp: 848

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#





#27

cis-1,2-Dichloroethene

Concen: 0.407 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20201119

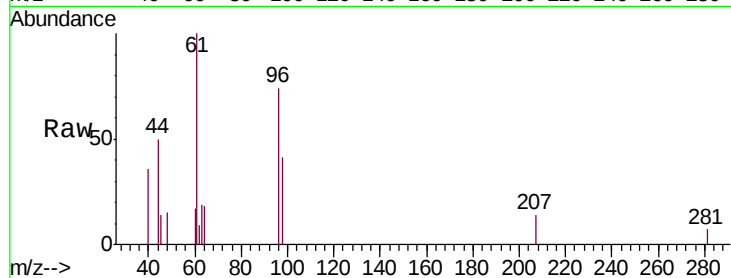
Tgt Ion: 96 Resp: 1631

Ion Ratio Lower Upper

96 100

61 198.8 0.0 279.2

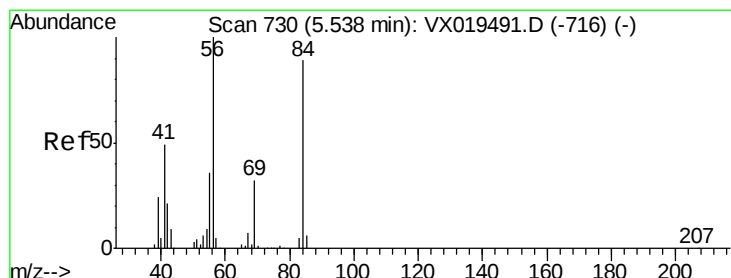
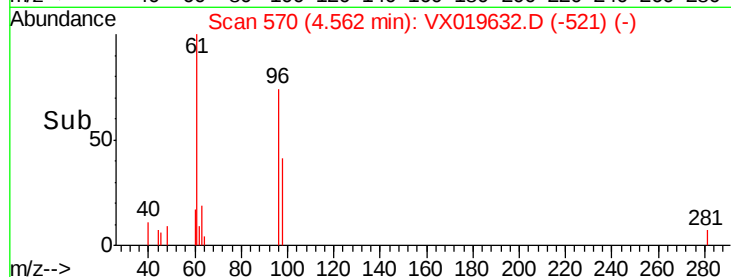
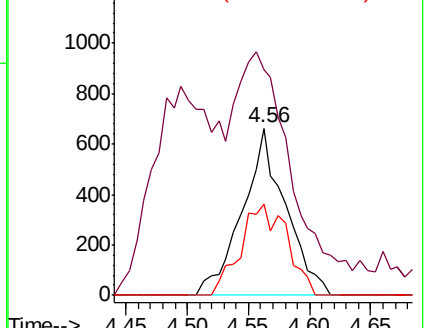
98 58.5 0.0 129.8



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: 1.134 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

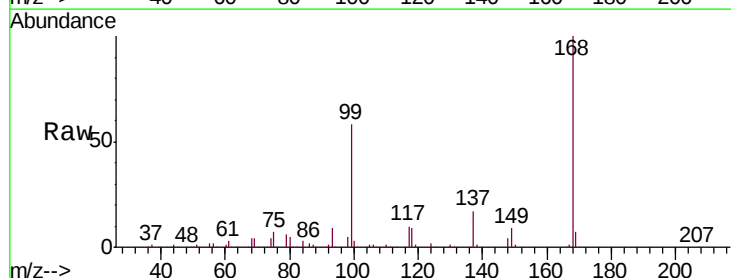
Tgt Ion: 56 Resp: 5924

Ion Ratio Lower Upper

56 100

69 191.6 25.5 38.3#

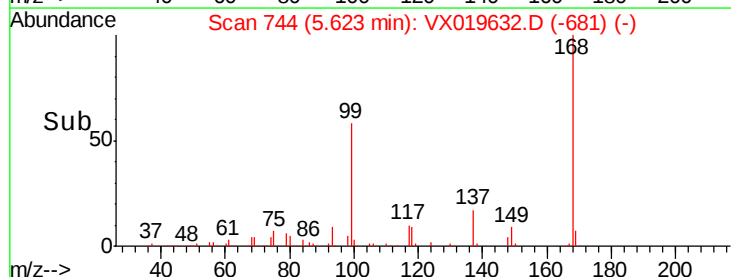
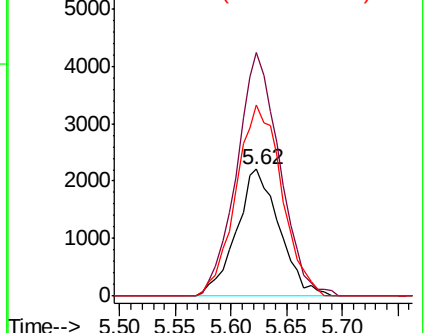
84 150.8 71.1 106.7#

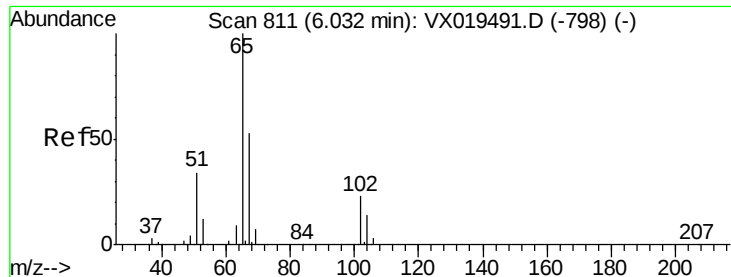


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

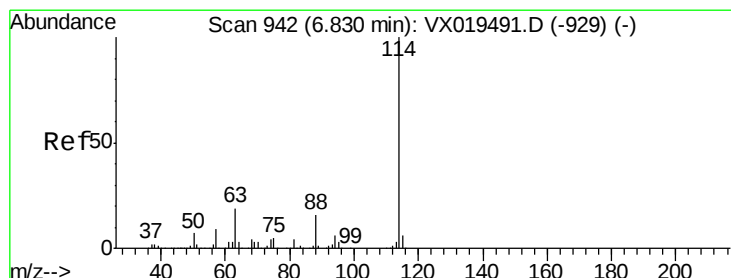
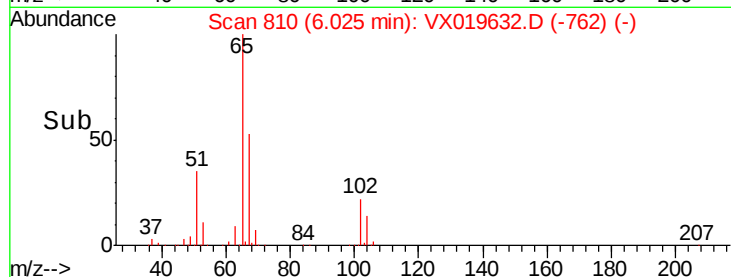
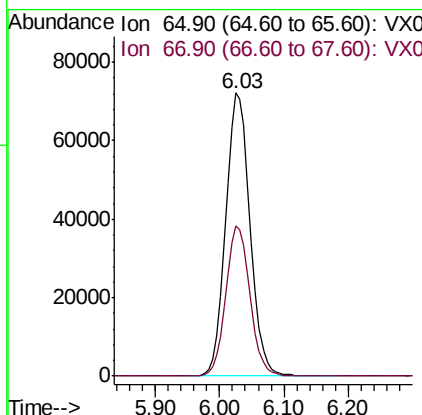
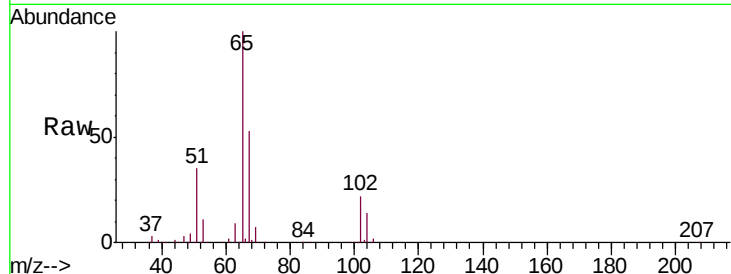




#33
 1,2-Dichloroethane-d4
 Concen: 47.875 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: VX019632.D
 Acq: 25 Nov 2020 02:22

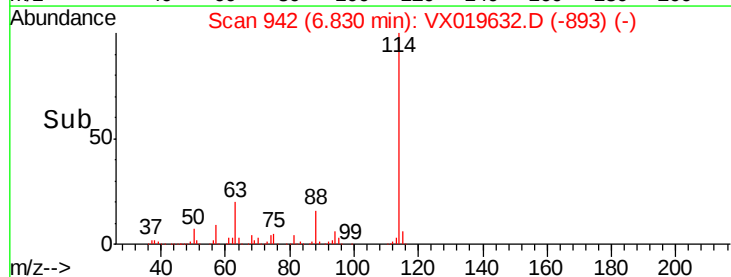
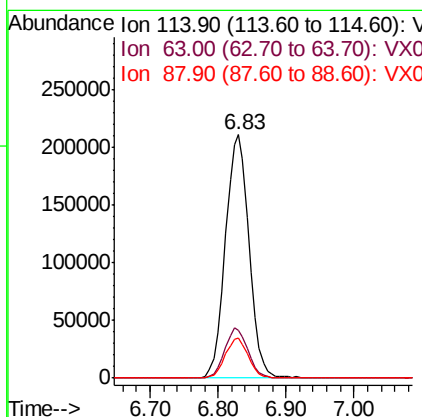
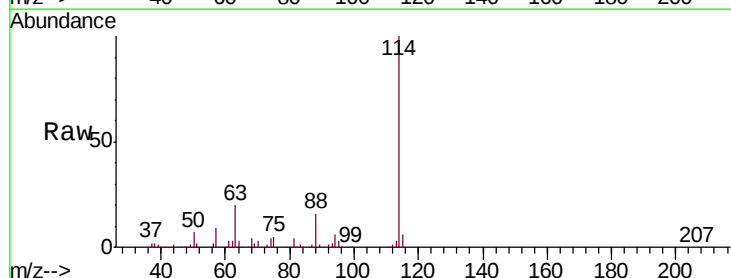
Instrument :
 MSVOA_X
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 MH-117N-20201119

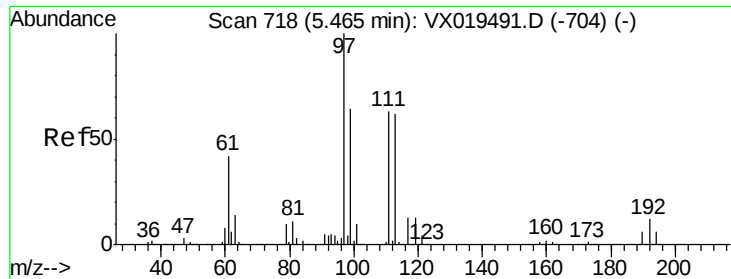
Tgt Ion: 65 Resp: 192347
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019632.D
 Acq: 25 Nov 2020 02:22

Tgt Ion: 114 Resp: 506101
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.8
 88 16.2 0.0 31.6

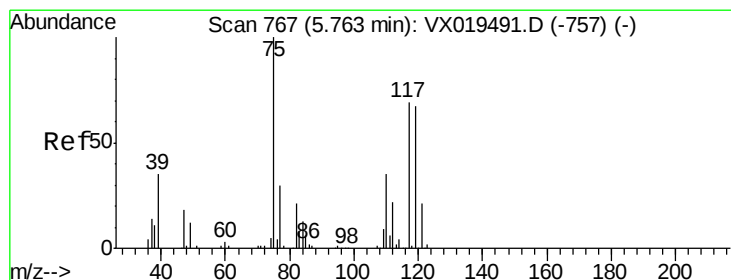
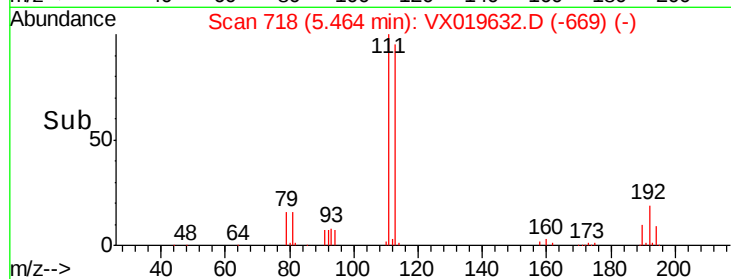
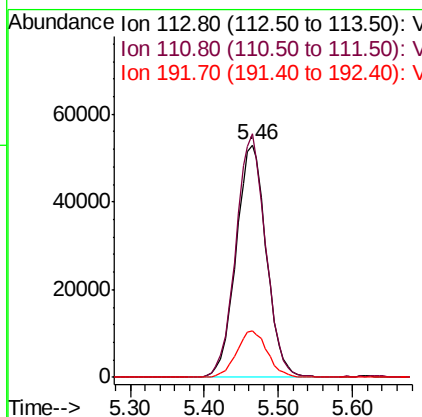
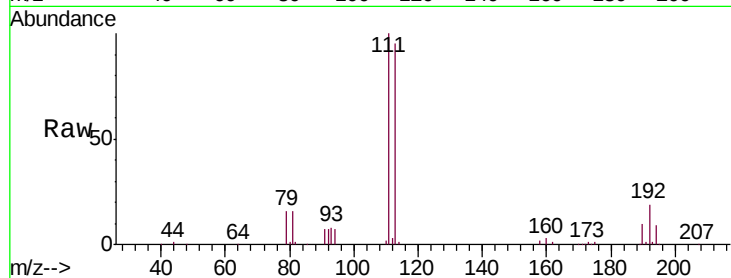




#35
 Dibromofluoromethane
 Concen: 47.608 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019632.D
 Acq: 25 Nov 2020 02:22

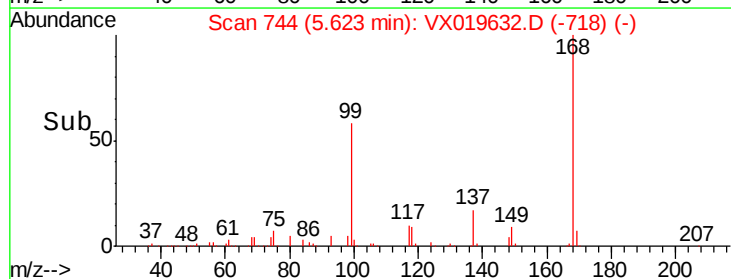
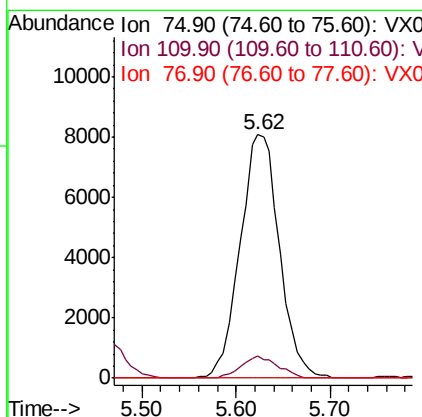
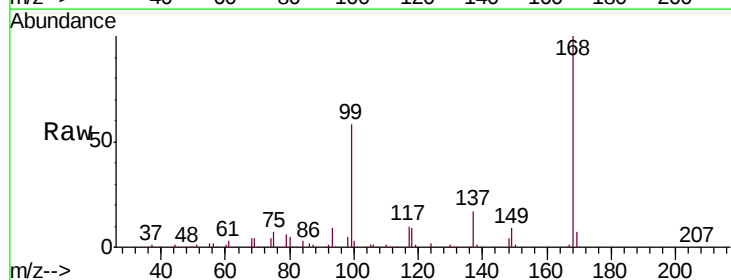
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20201119

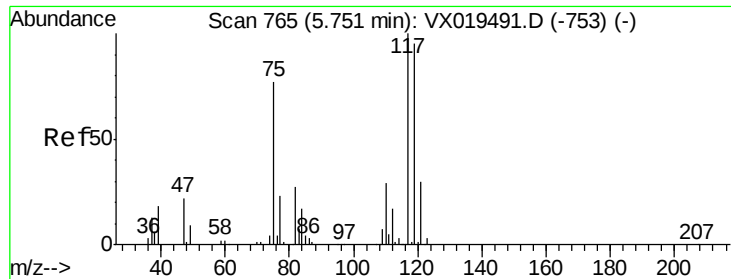
Tgt Ion:113 Resp: 151242
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.957 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019632.D
 Acq: 25 Nov 2020 02:22

Tgt Ion: 75 Resp: 23521
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.3#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.682 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20201119

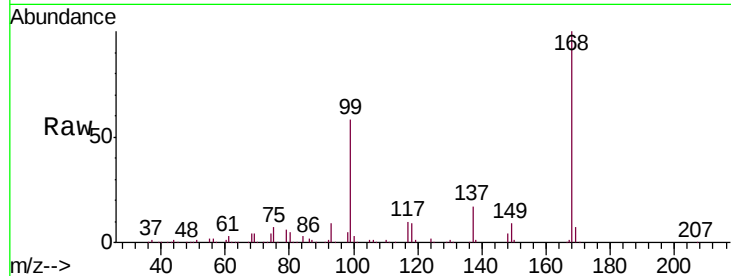
Tgt Ion:117 Resp: 30687

Ion Ratio Lower Upper

117 100

119 5.8 75.9 113.9#

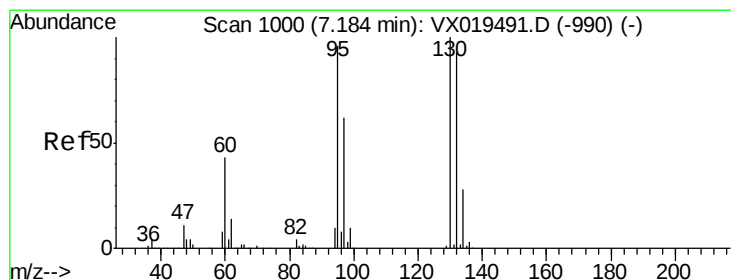
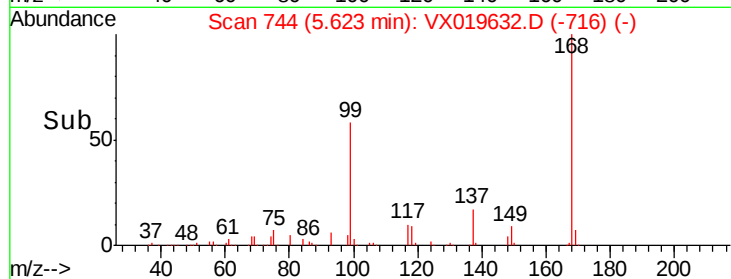
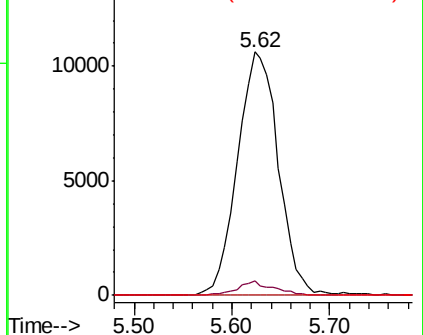
121 0.0 24.0 36.0#



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



#44

Trichloroethene

Concen: 1.463 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019632.D

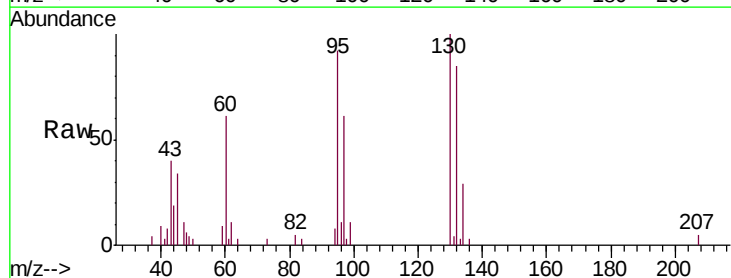
Acq: 25 Nov 2020 02:22

Tgt Ion:130 Resp: 5586

Ion Ratio Lower Upper

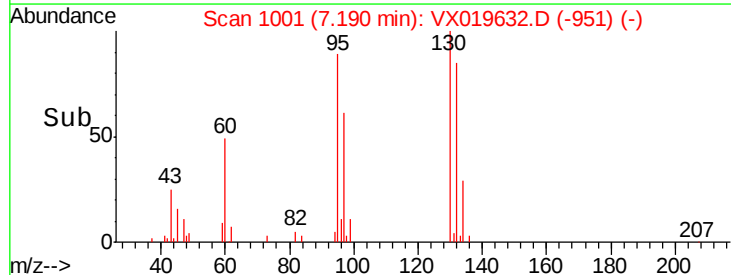
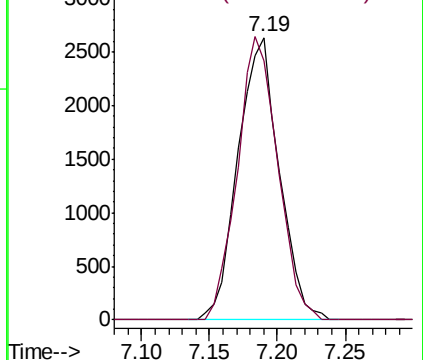
130 100

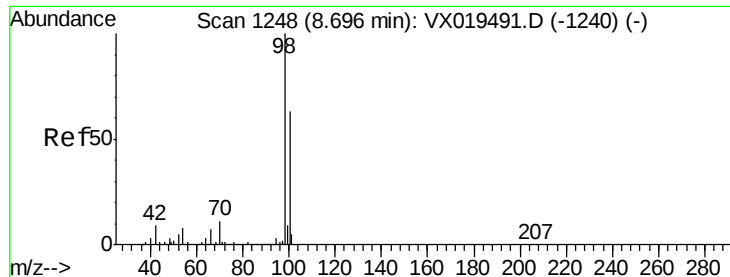
95 91.6 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.014 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

Instrument :

MSVOA_X

ClientSampleId :

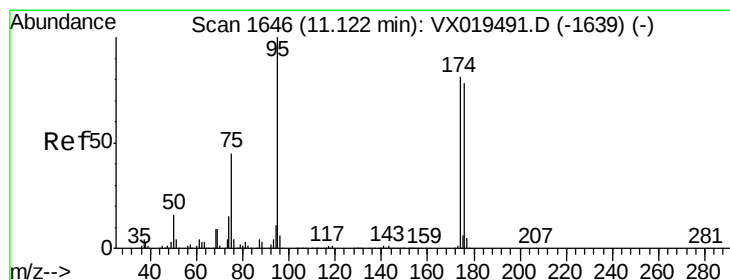
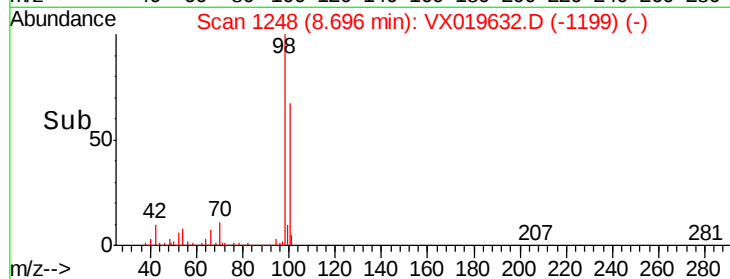
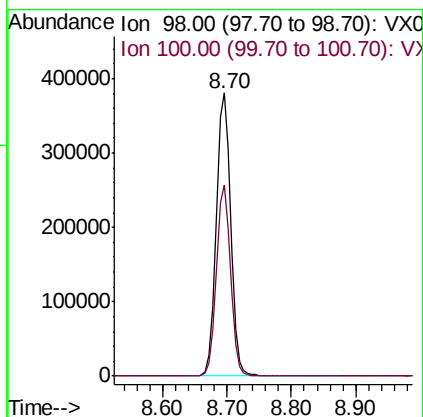
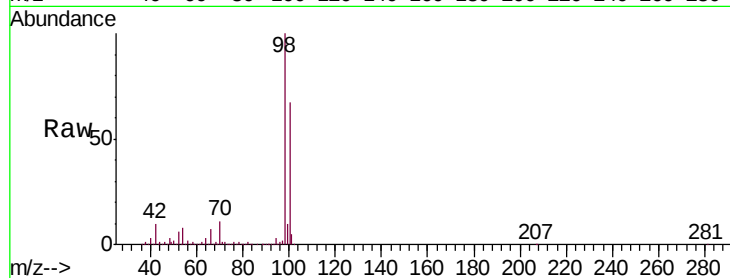
MH-117N-20201119

Tgt Ion: 98 Resp: 605065

Ion Ratio Lower Upper

98 100

100 66.6 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 46.056 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

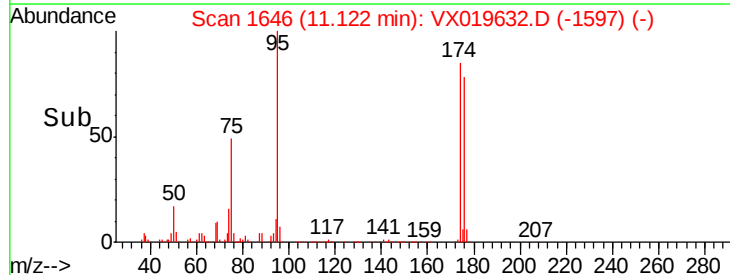
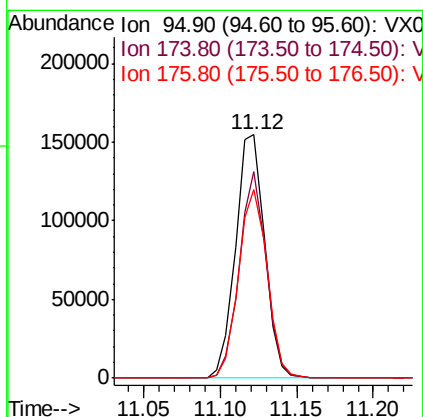
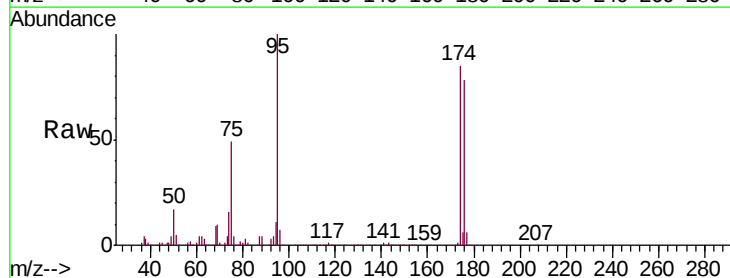
Tgt Ion: 95 Resp: 204558

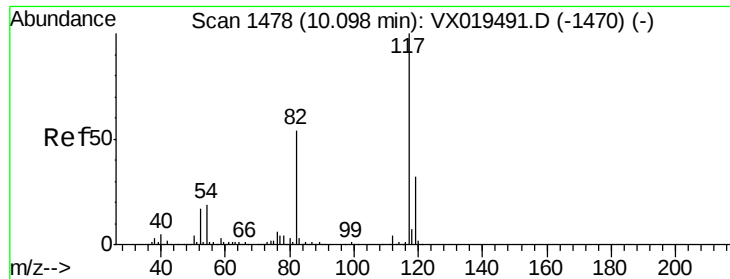
Ion Ratio Lower Upper

95 100

174 78.4 0.0 156.2

176 76.2 0.0 151.4

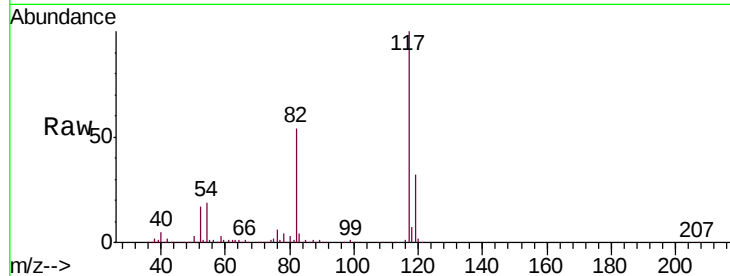




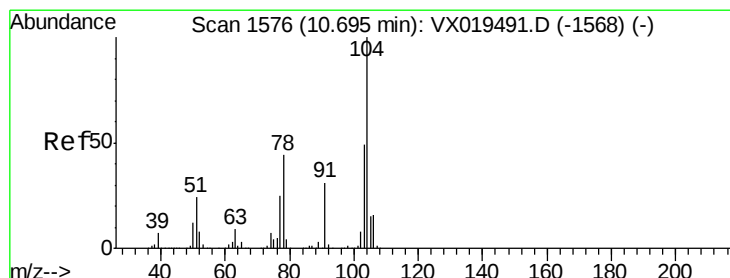
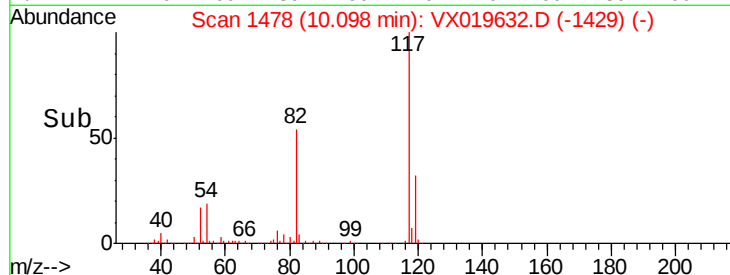
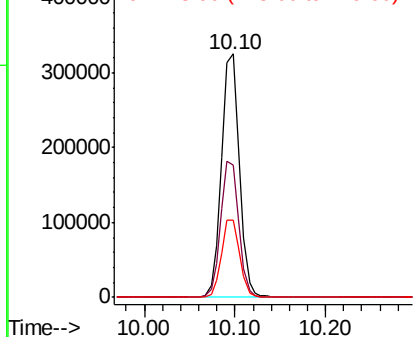
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019632.D
Acq: 25 Nov 2020 02:22

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20201119

Tgt Ion:117 Resp: 449439
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 31.5 25.6 38.4

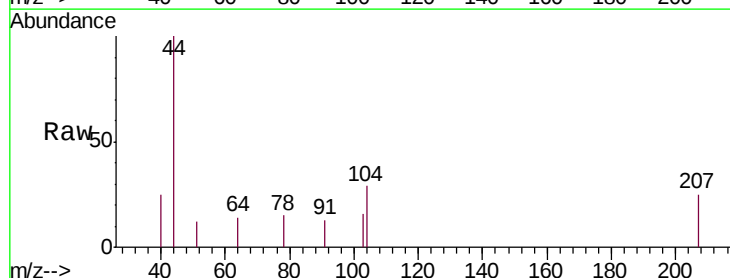


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

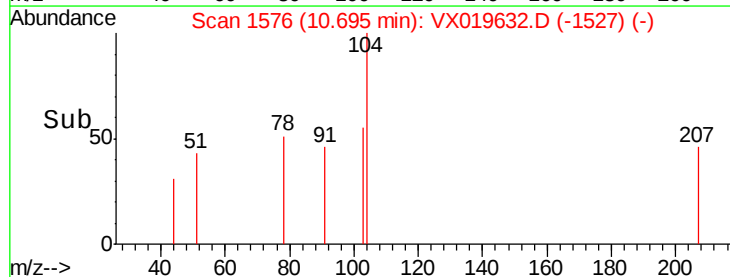
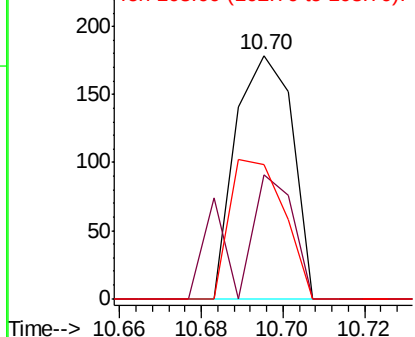


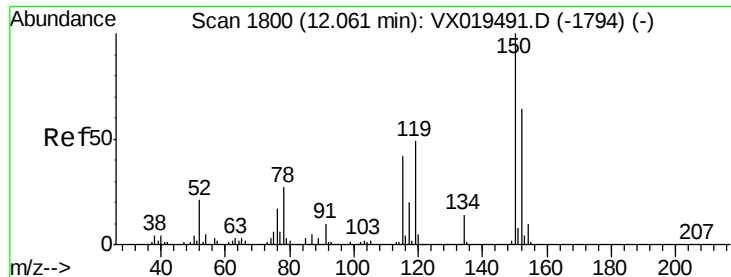
#70
Styrene
Concen: 1.661 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019632.D
Acq: 25 Nov 2020 02:22

Tgt Ion:104 Resp: 173
Ion Ratio Lower Upper
104 100
78 50.9 39.5 59.3
103 54.9 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019632.D

Acq: 25 Nov 2020 02:22

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20201119

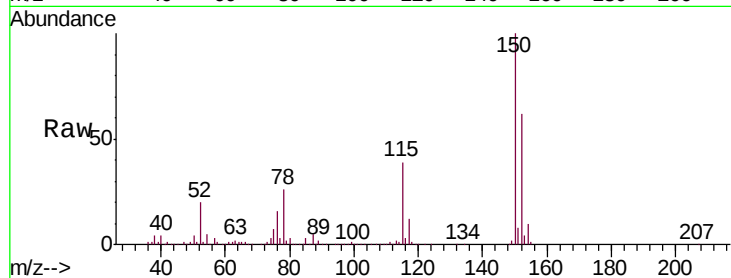
Tgt Ion:152 Resp: 179470

Ion Ratio Lower Upper

152 100

115 60.3 41.8 125.4

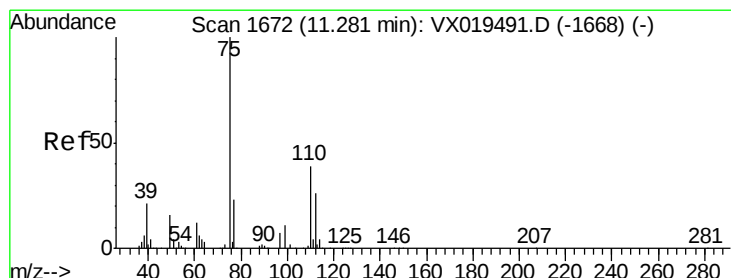
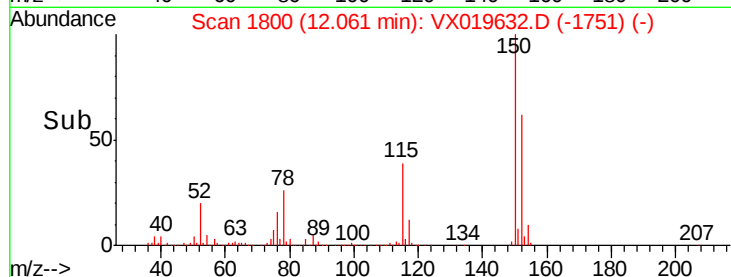
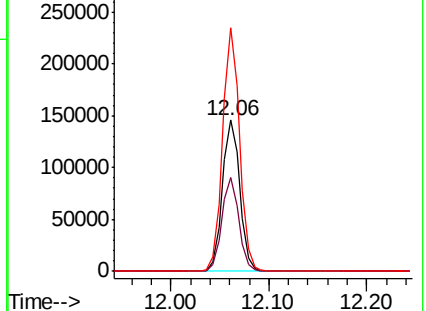
150 156.6 0.0 348.2



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: 25.971 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019632.D

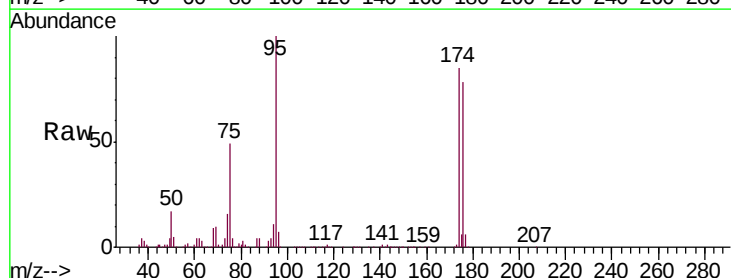
Acq: 25 Nov 2020 02:22

Tgt Ion: 75 Resp: 101721

Ion Ratio Lower Upper

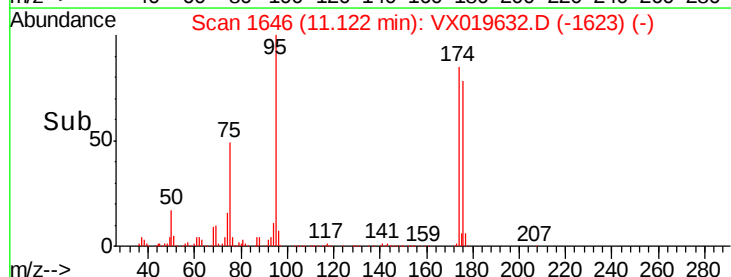
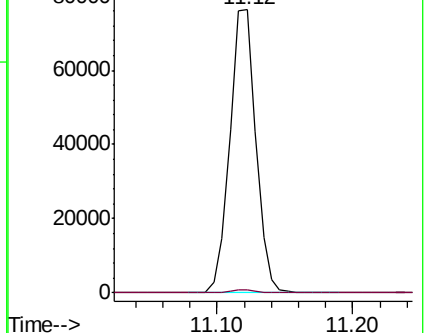
75 100

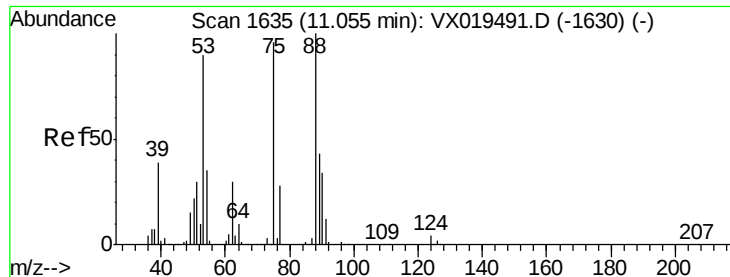
77 1.1 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

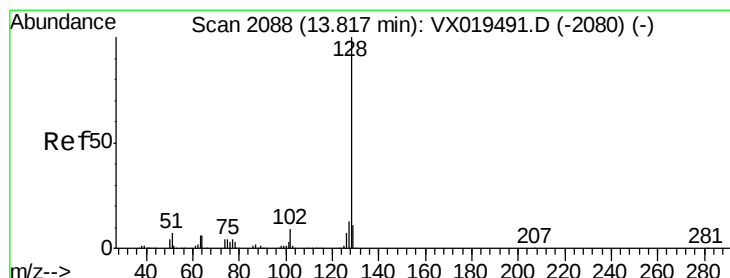
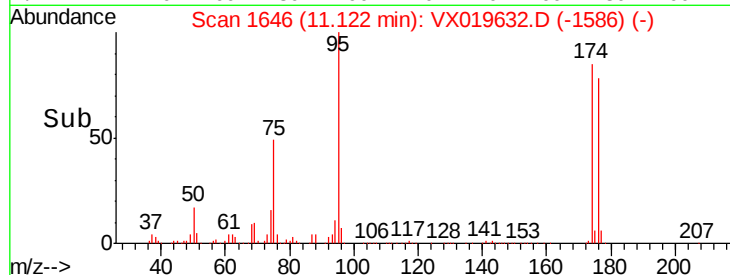
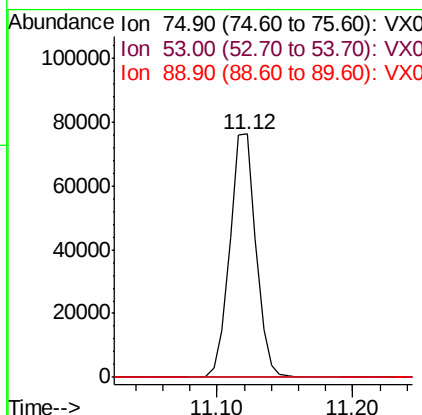
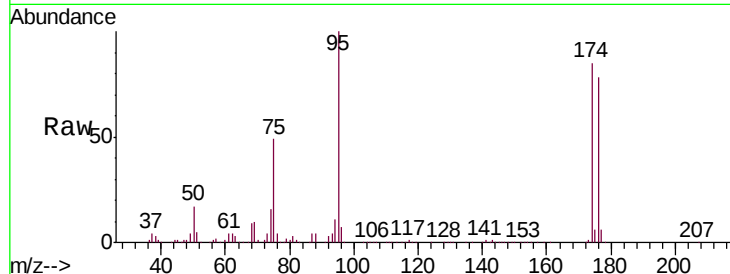




#81
trans-1,4-Dichloro-2-butene
Concen: 68.441 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019632.D
Acq: 25 Nov 2020 02:22

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20201119

Tgt Ion: 75 Resp: 101721
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.3 55.9#



#95
Naphthalene
Concen: 2.232 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX019632.D
Acq: 25 Nov 2020 02:22

Tgt Ion: 128 Resp: 751
Ion Ratio Lower Upper
128 100
127 8.9 10.3 15.5#
129 8.1 8.7 13.1#

