

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062305.D
 Acq On : 1 Jul 2020 20:32
 Operator : JC/MD
 Sample : L3127-10 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20200625

Quant Time: Jul 02 06:56:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	200457	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	385826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	374113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	129961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	154979	55.09	ug/l	0.00
Spiked Amount			Recovery	=	110.18%	
35) Dibromofluoromethane	7.55	113	126310	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
50) Toluene-d8	10.06	98	502315	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.38	95	159158	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

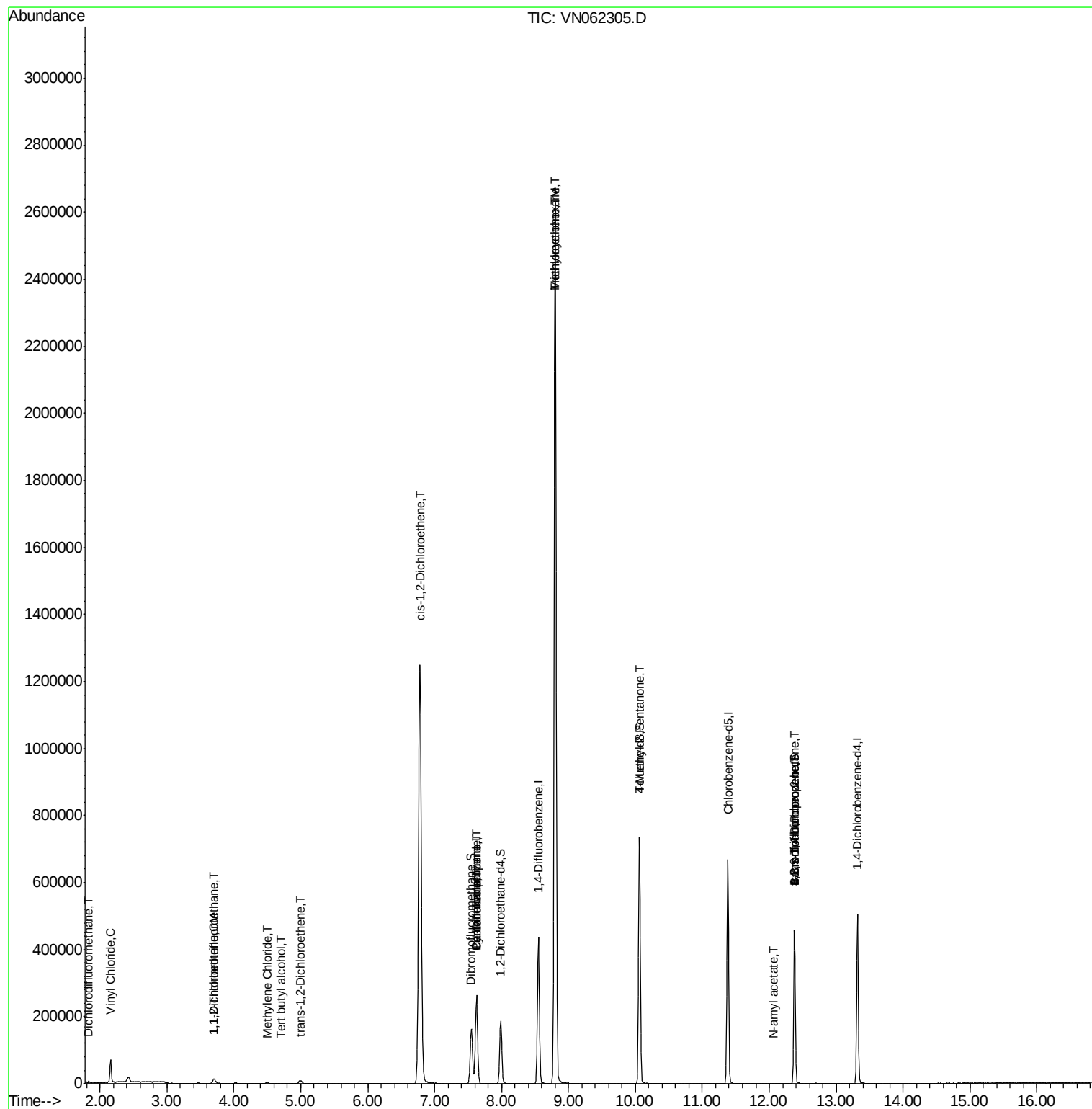
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	3646	1.609	ug/l	95
3) Chloromethane	2.03	50	499	Below Cal	#	41
4) Vinyl Chloride	2.16	62	59993	16.813	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1818	0.790	ug/l #	1
11) Tert butyl alcohol	4.72	59	219	0.542	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	4964	2.157	ug/l	87
16) Acetone	3.79	43	1013	Below Cal	#	40
20) Methylene Chloride	4.50	84	1473	0.355	ug/l	86
21) trans-1,2-Dichloroethene	4.99	96	5748	2.192	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	845508	286.557	ug/l	92
31) Cyclohexane	7.62	56	5059	1.302	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	18284	4.715	ug/l #	48
38) Carbon Tetrachloride	7.63	117	20274	5.545	ug/l #	15
39) Methylcyclohexane	8.80	83	11842	2.787	ug/l #	1
44) Trichloroethene	8.80	130	941772	315.848	ug/l	96
51) 4-Methyl-2-Pentanone	10.06	43	2324	0.760	ug/l #	1
71) Bromoform	12.37	173	813	0.403	ug/l #	1
74) N-amyl acetate	12.07	43	58	3.358	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	82579	26.992	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	82579	78.827	ug/l #	13

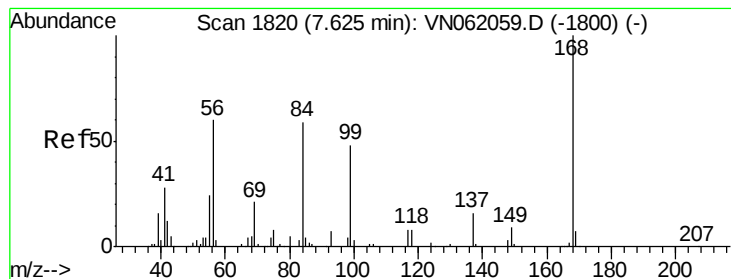
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070120\
Data File : VN062305.D
Acq On : 1 Jul 2020 20:32
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Quant Time: Jul 02 06:56:42 2020
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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

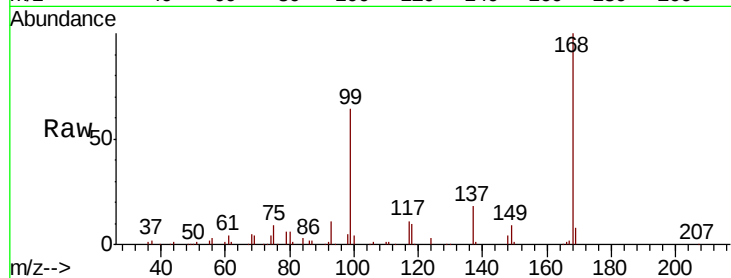
15BR-20200625

Tot Ion:168 Resp: 200457

Ion Ratio Lower Upper

168 100

99 64.2 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

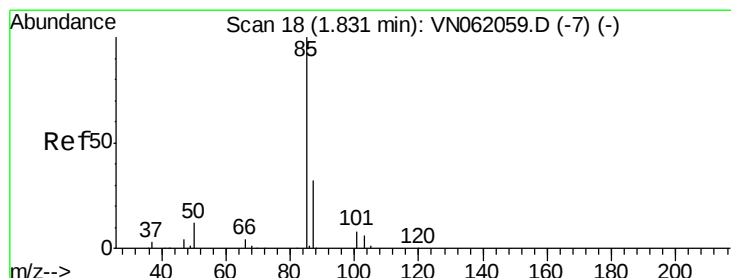
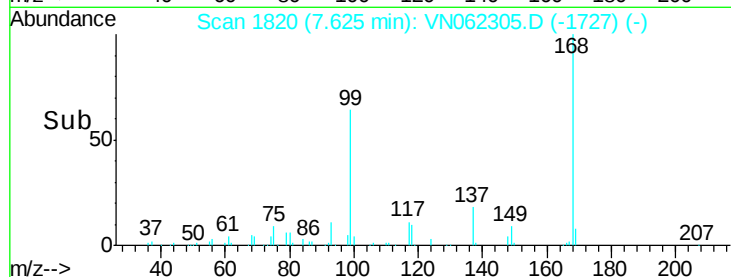
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.609 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062305.D

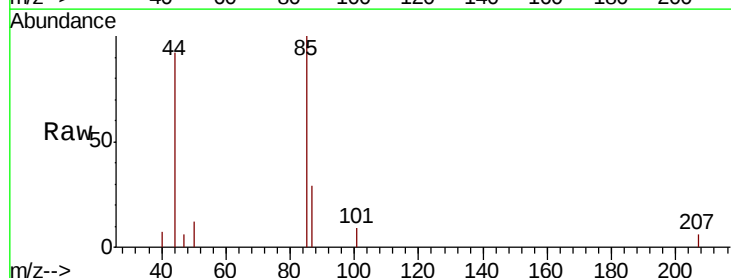
Acq: 1 Jul 2020 20:32

Tgt Ion: 85 Resp: 3646

Ion Ratio Lower Upper

85 100

87 29.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

3000

2500

2000

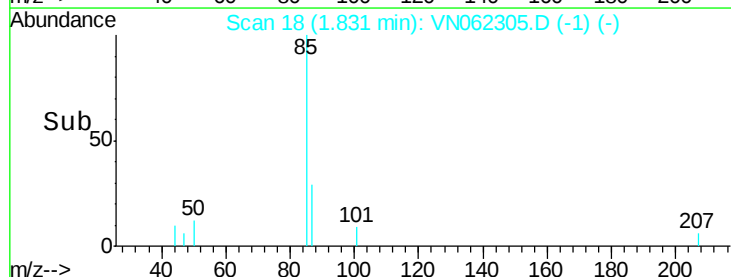
1500

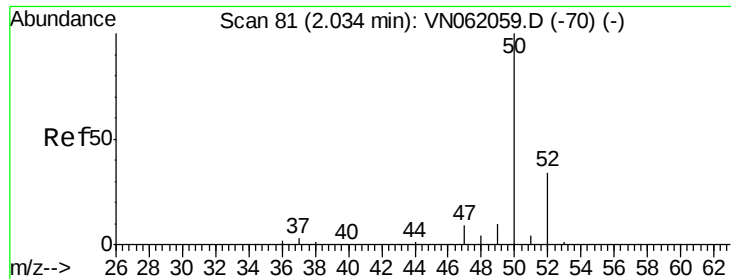
1000

500

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

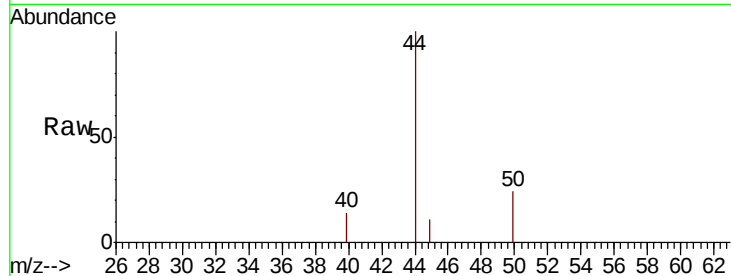
15BR-20200625

Tot Ion: 50 Resp: 499

Ion Ratio Lower Upper

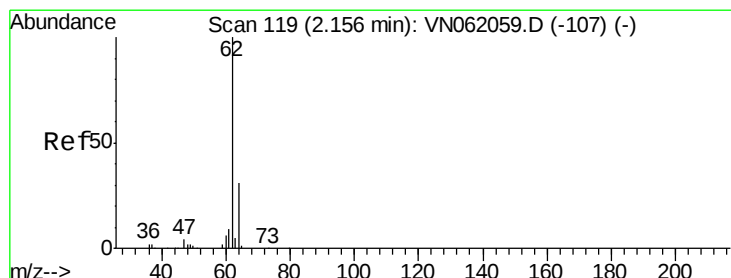
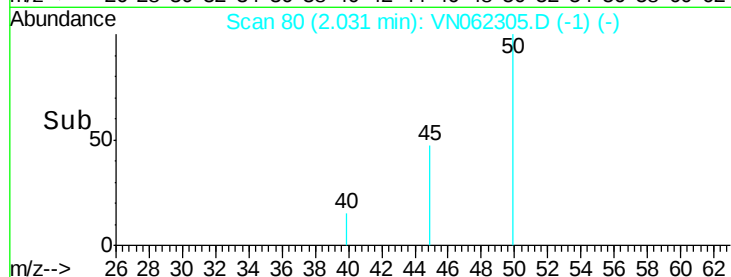
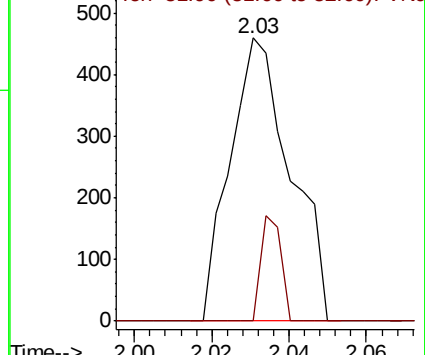
50 100

52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.813 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062305.D

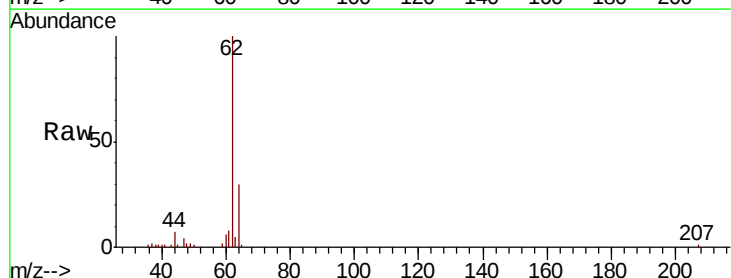
Acq: 1 Jul 2020 20:32

Tgt Ion: 62 Resp: 59993

Ion Ratio Lower Upper

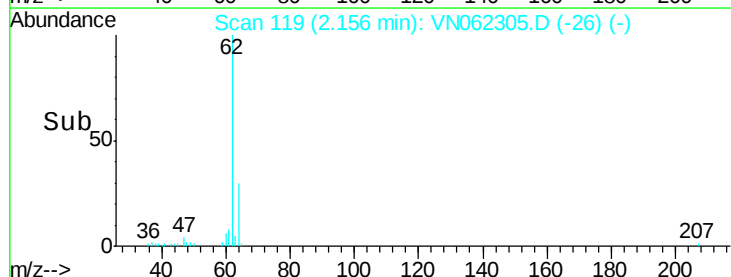
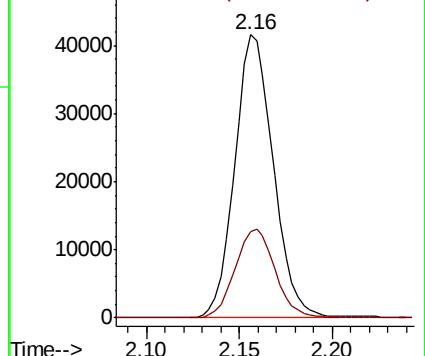
62 100

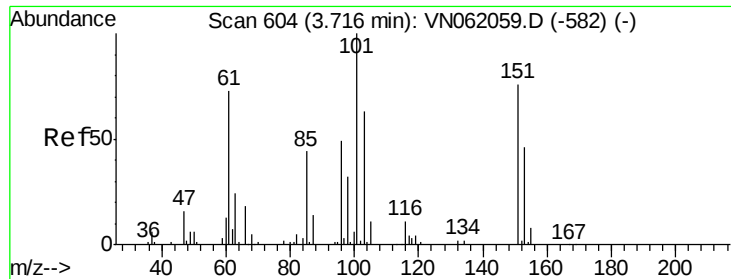
64 30.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.790 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

15BR-20200625

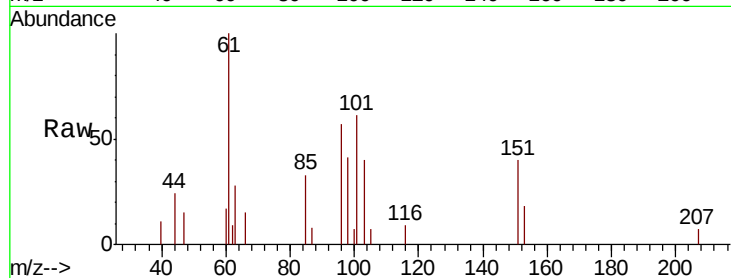
Tot Ion:101 Resp: 1818

Ion Ratio Lower Upper

101 100

85 112.5 34.5 51.7#

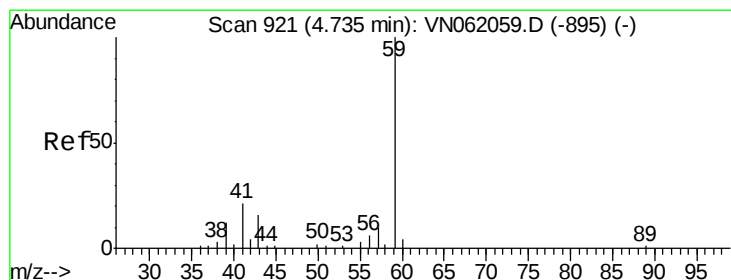
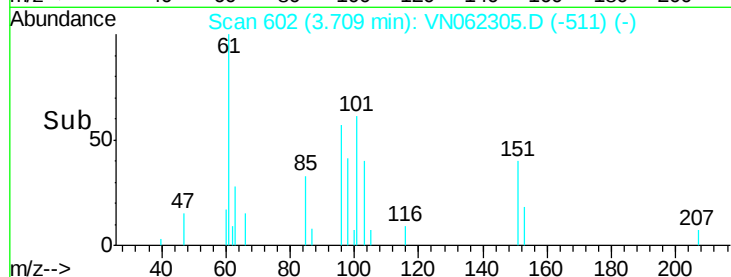
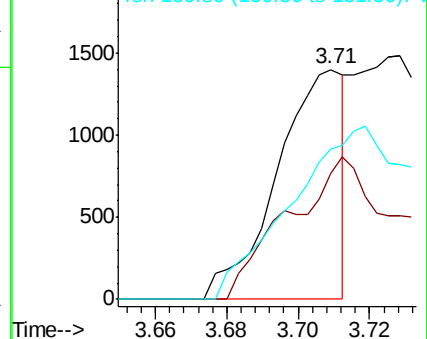
151 159.2 57.8 86.8#



Abundance Ion 100.90 (100.60 to 101.60): V

2000 Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.542 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.02 min

Lab File: VN062305.D

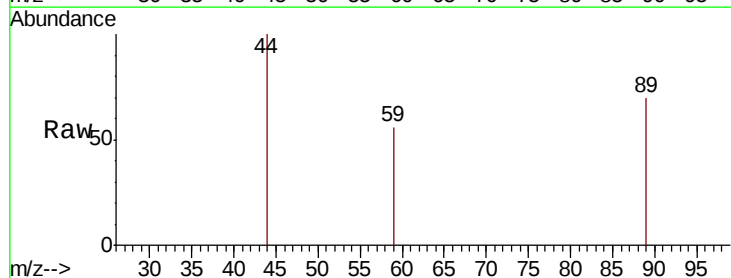
Acq: 1 Jul 2020 20:32

Tgt Ion: 59 Resp: 219

Ion Ratio Lower Upper

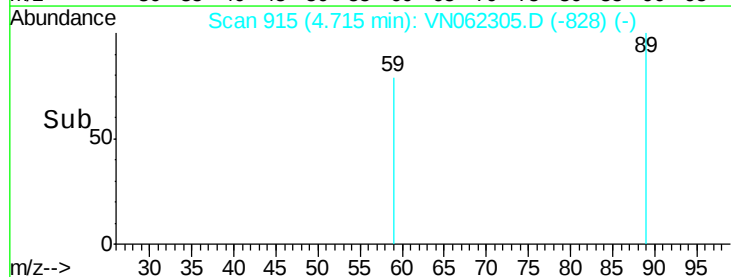
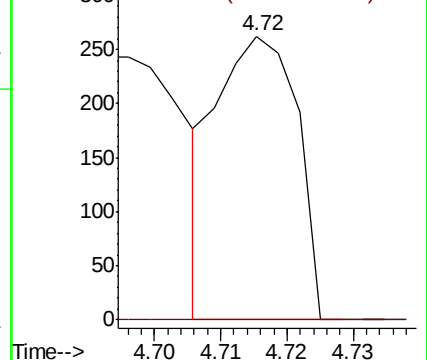
59 100

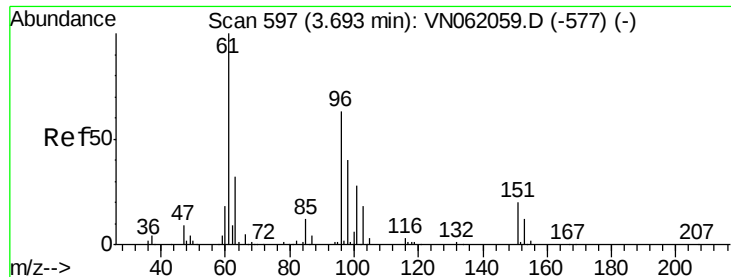
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

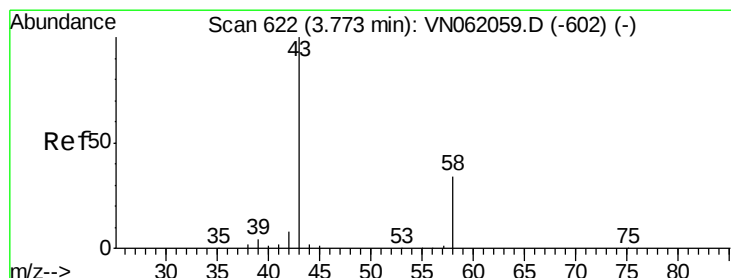
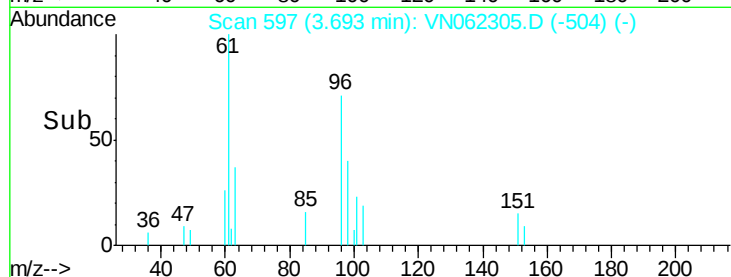
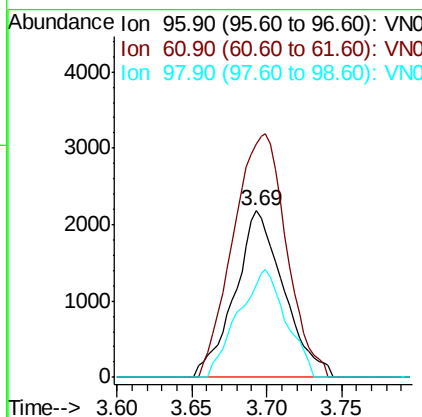
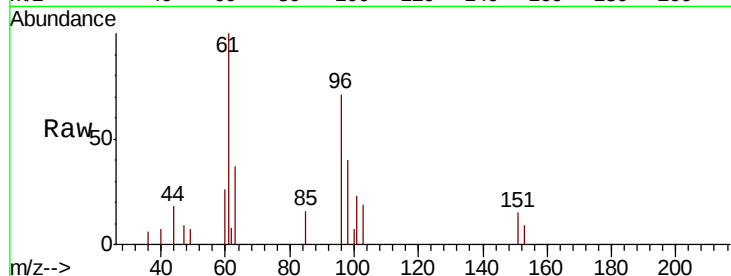




#12
 1,1-Dichloroethene
 Concen: 2.157 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

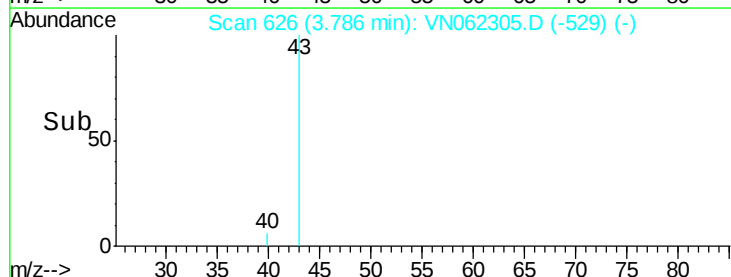
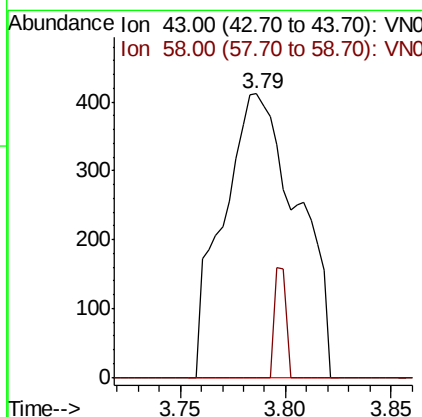
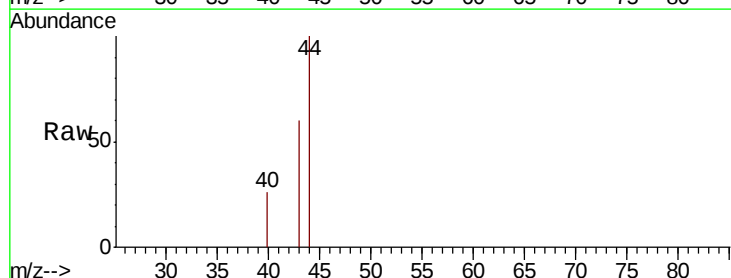
Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20200625

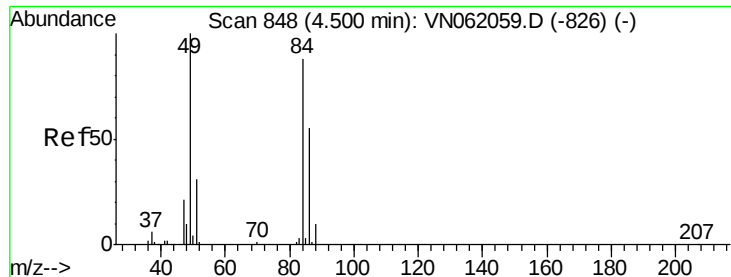
Tot Ion: 96 Resp: 4964
 Ion Ratio Lower Upper
 96 100
 61 140.0 126.7 190.1
 98 55.5 51.0 76.4



#16
 Acetone
 Concen: Below Cal
 RT: 3.79 min Scan# 626
 Delta R.T. 0.01 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

Tgt Ion: 43 Resp: 1013
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.5 41.3#

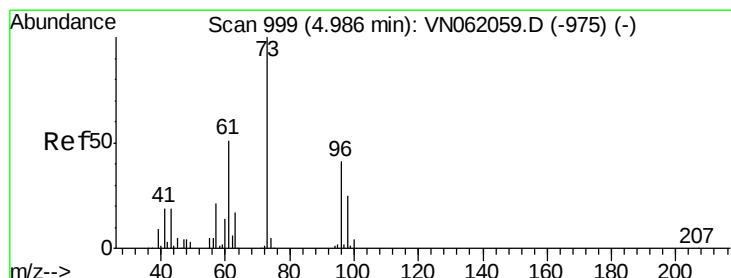
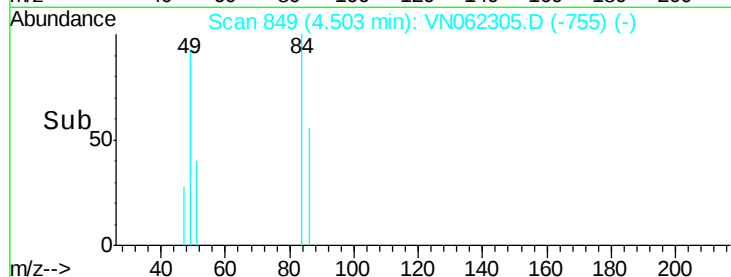
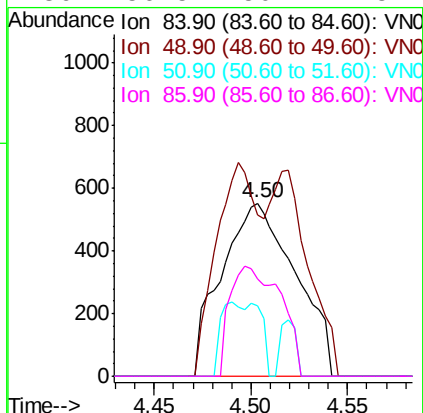
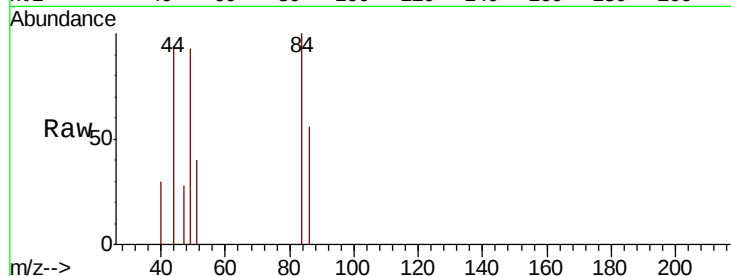




#20
Methvlene Chloride
Concen: 0.355 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062305.D
Acq: 1 Jul 2020 20:32

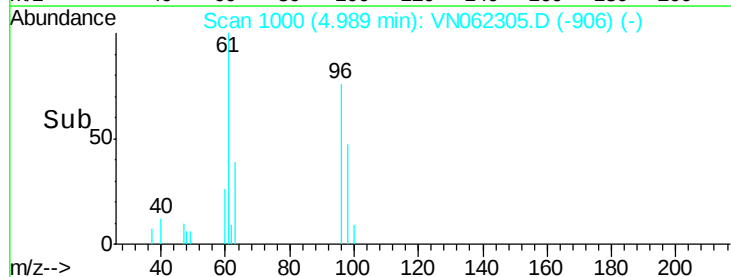
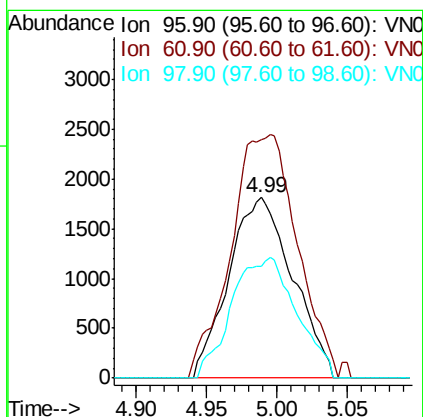
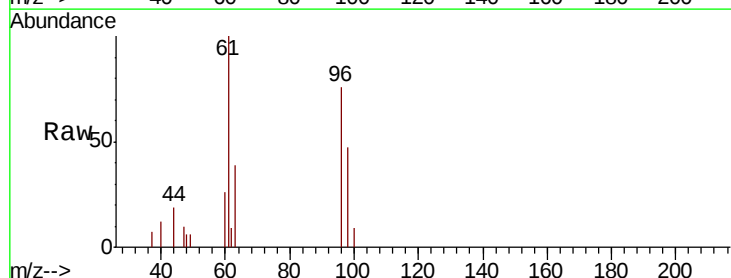
Instrument :
MSVOA_N
ClientSampleId :
15BR-20200625

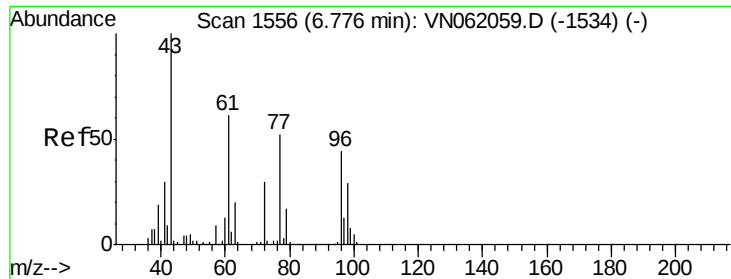
Tot Ion: 84 Resp: 1473
Ion Ratio Lower Upper
84 100
49 93.1 90.6 136.0
51 40.4 27.8 41.8
86 56.5 50.1 75.1



#21
trans-1,2-Dichloroethene
Concen: 2.192 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN062305.D
Acq: 1 Jul 2020 20:32

Tgt Ion: 96 Resp: 5748
Ion Ratio Lower Upper
96 100
61 131.8 101.4 152.2
98 62.1 49.3 73.9





#27

cis-1,2-Dichloroethene

Concen: 286.557 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

15BR-20200625

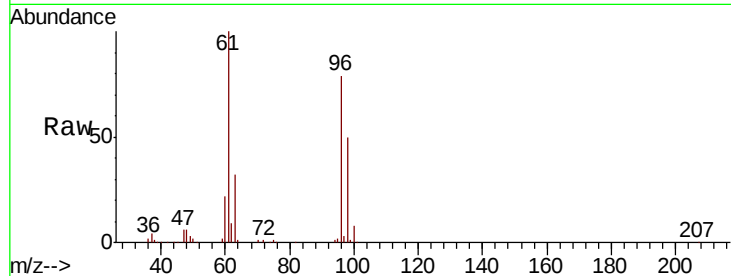
Tot Ion: 96 Resp: 845508

Ion Ratio Lower Upper

96 100

61 127.0 0.0 280.4

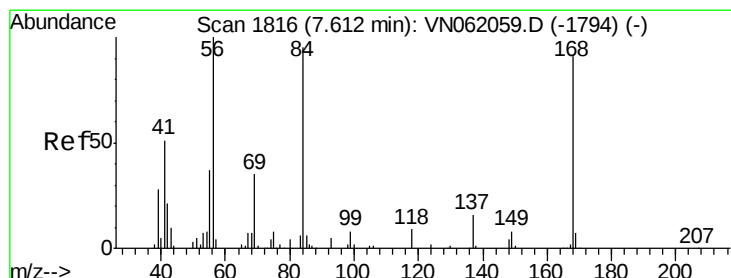
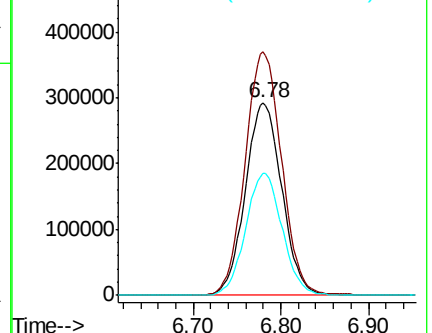
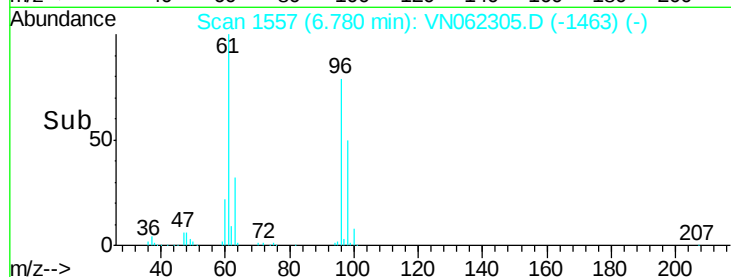
98 63.5 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062305.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062305.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062305.D (-1463) (-)



#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

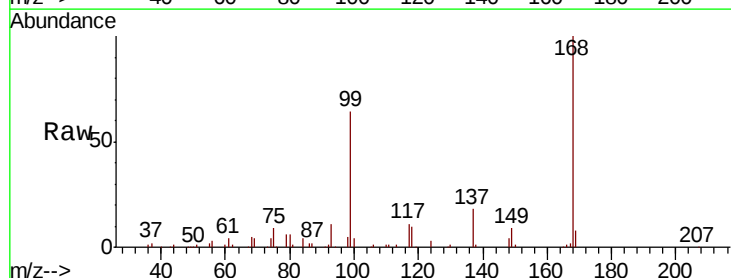
Tgt Ion: 56 Resp: 5059

Ion Ratio Lower Upper

56 100

69 164.6 28.0 42.0#

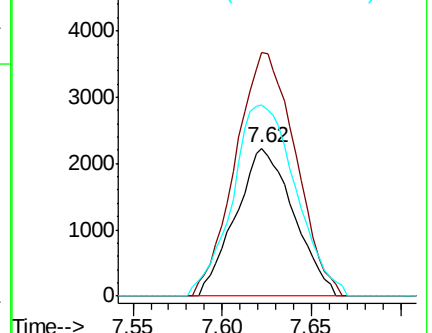
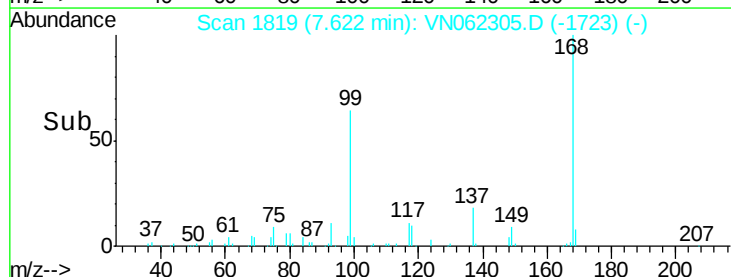
84 122.3 76.1 114.1#

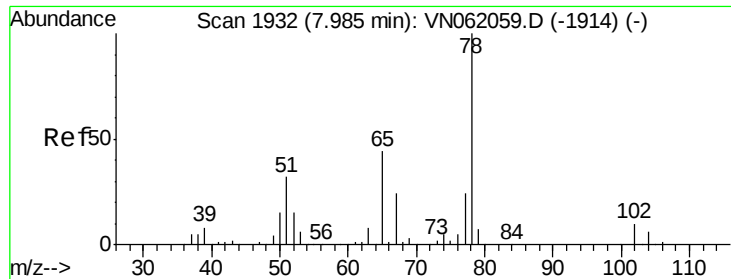


Abundance Ion 56.00 (55.70 to 56.70): VN062305.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062305.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062305.D (-1723) (-)

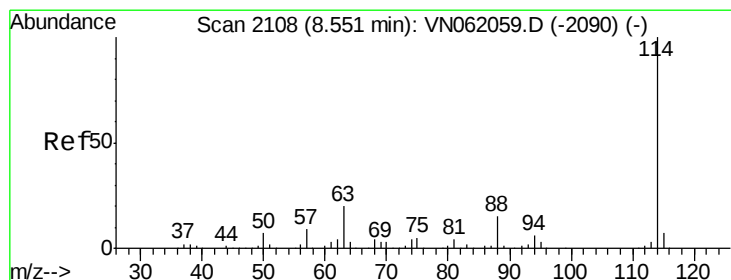
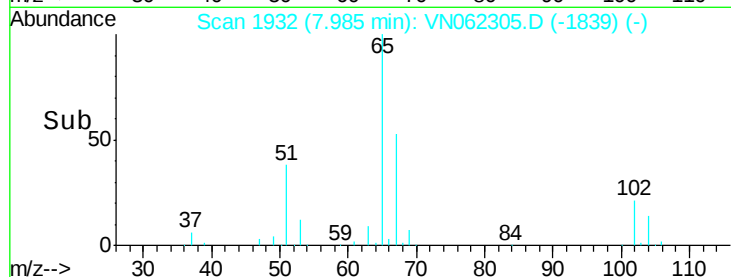
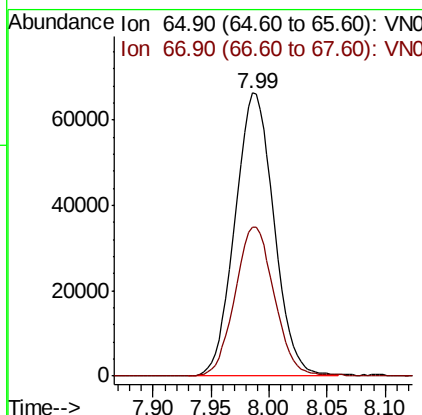
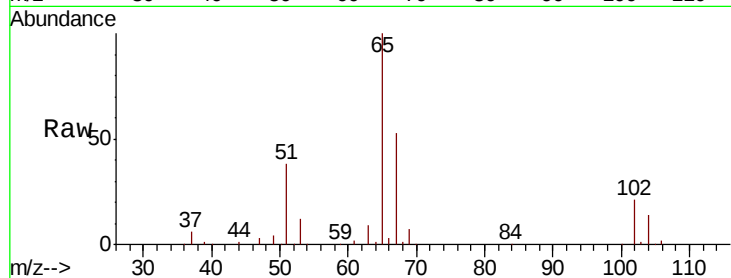




#33
 1,2-Dichloroethane-d4
 Concen: 55.092 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

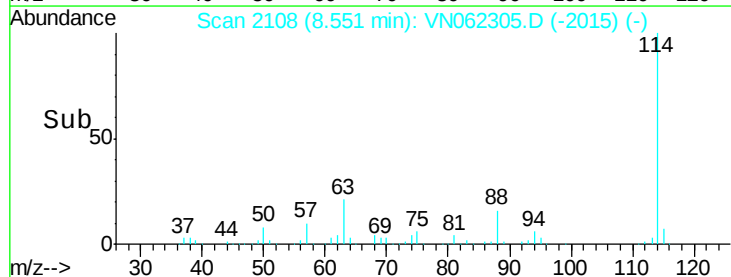
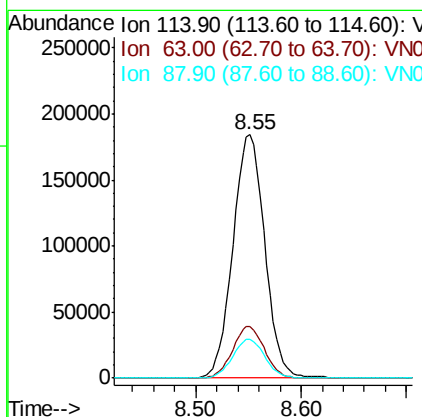
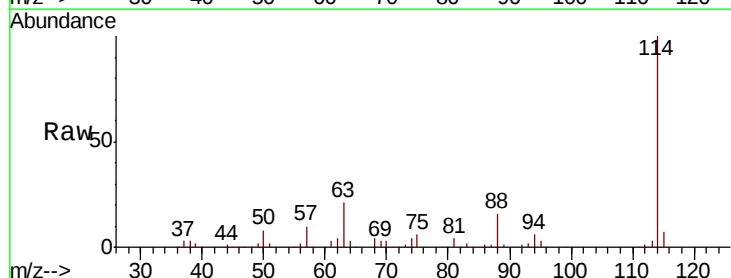
Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20200625

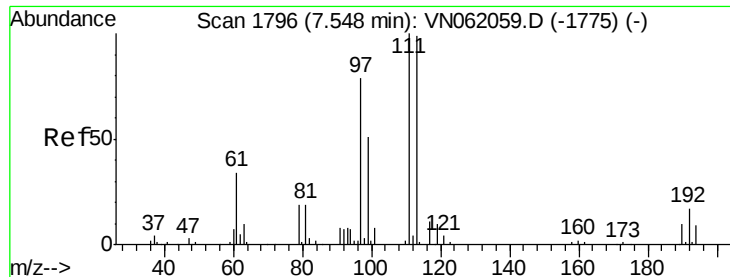
Tot Ion: 65 Resp: 154979
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

Tgt Ion: 114 Resp: 385826
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 39.2
 88 16.0 0.0 30.8

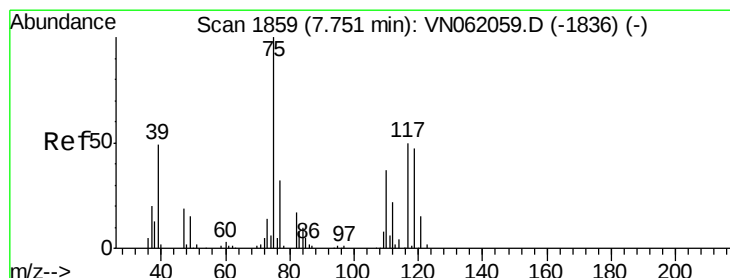
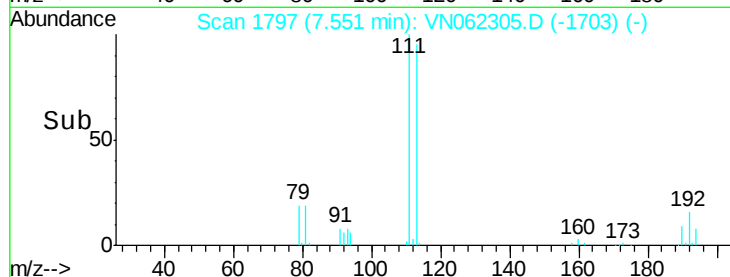
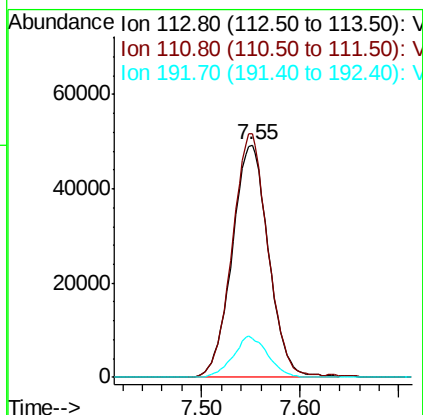
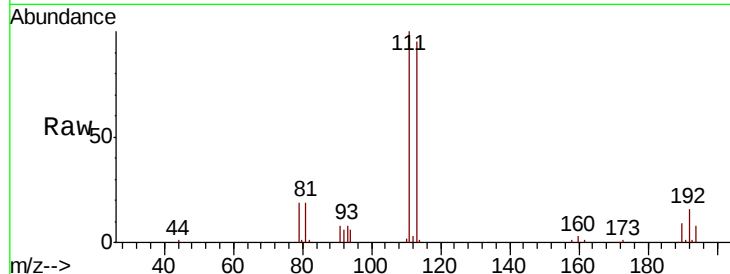




#35
 Dibromofluoromethane
 Concen: 51.029 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

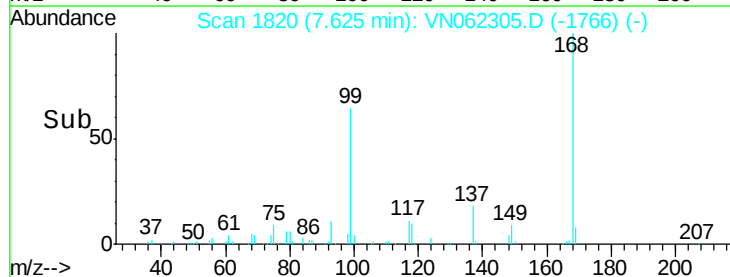
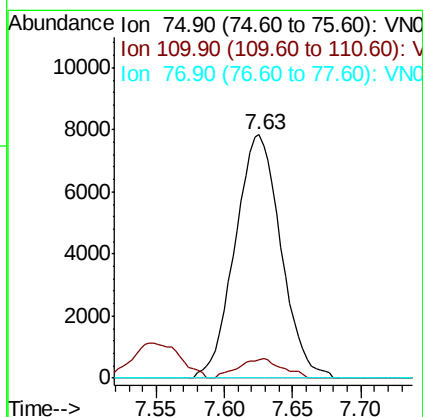
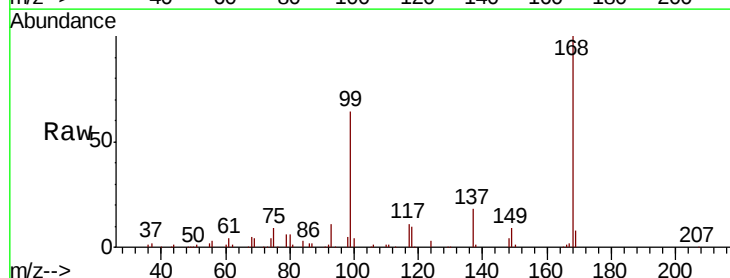
Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20200625

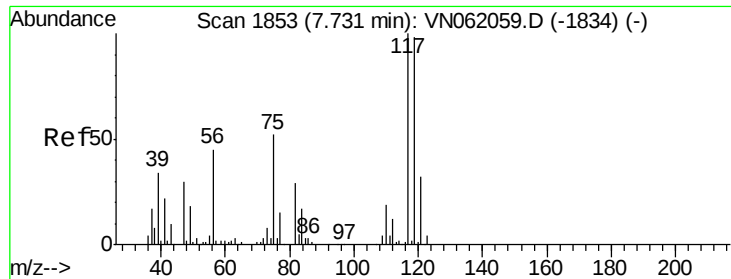
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	16.7	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.9	53.8#
77	0.0	24.9	37.3#

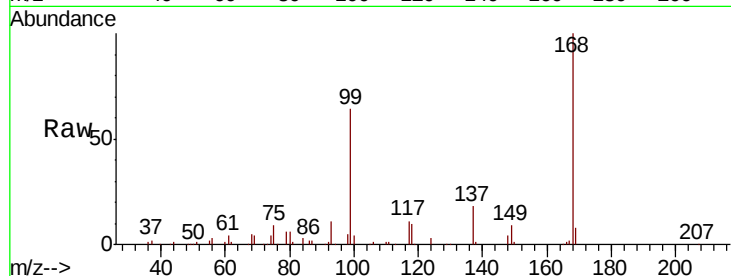




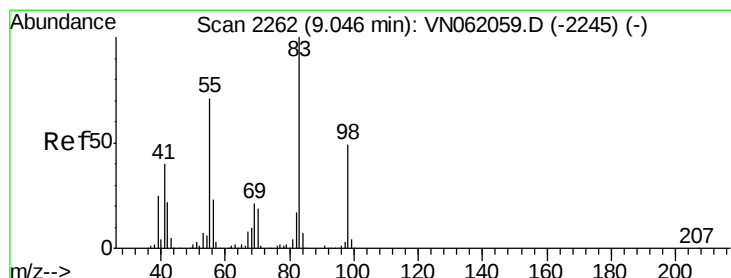
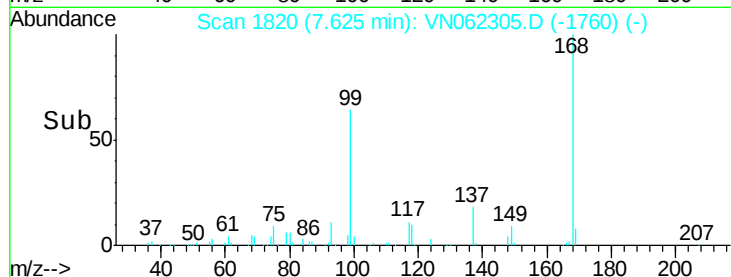
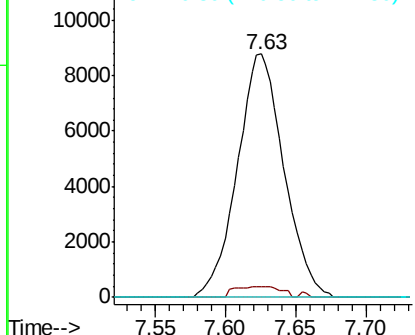
#38
Carbon Tetrachloride
Concen: 5.545 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062305.D
Acq: 1 Jul 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
15BR-20200625

Tot Ion:117 Resp: 20274
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 25.8 38.6#

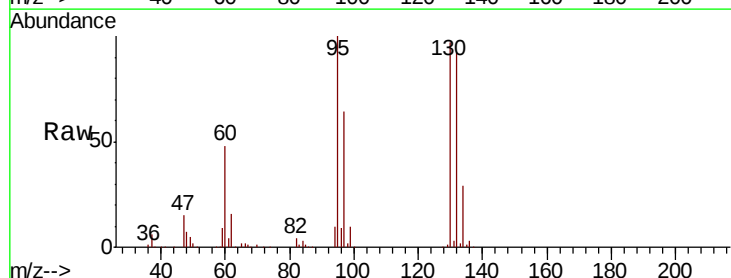


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

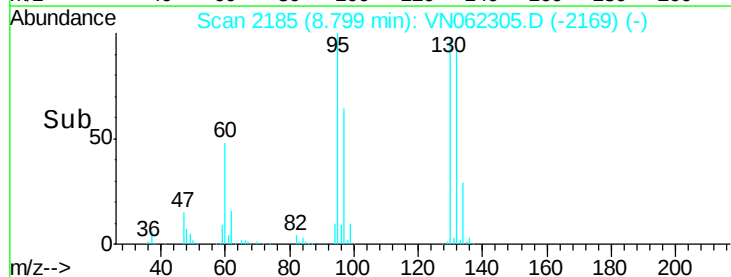
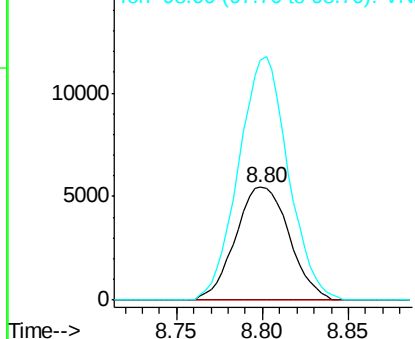


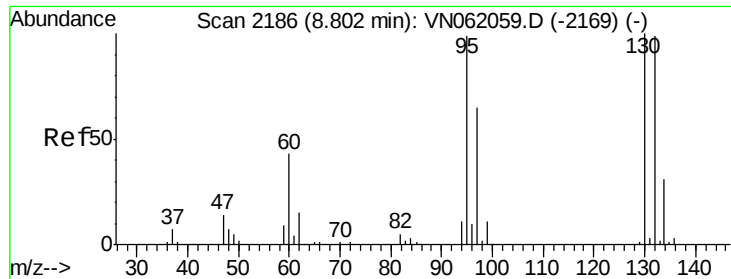
#39
Methylcyclohexane
Concen: 2.787 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.25 min
Lab File: VN062305.D
Acq: 1 Jul 2020 20:32

Tgt Ion: 83 Resp: 11842
Ion Ratio Lower Upper
83 100
55 0.0 57.0 85.6#
98 212.3 39.0 58.6#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#44

Trichloroethene

Concen: 315.848 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

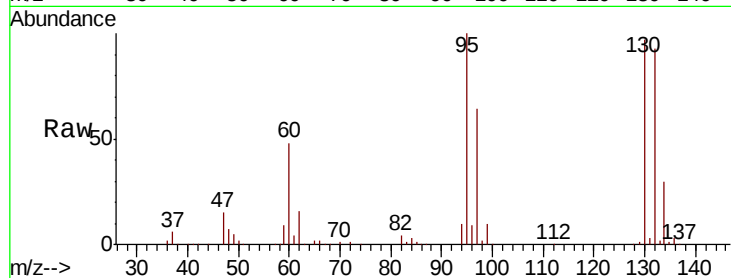
15BR-20200625

Tot Ion:130 Resp: 941772

Ion Ratio Lower Upper

130 100

95 102.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.80

500000

400000

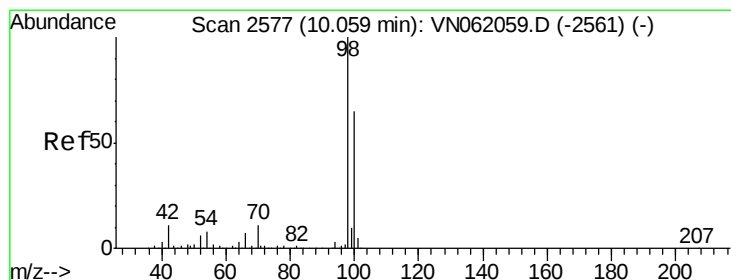
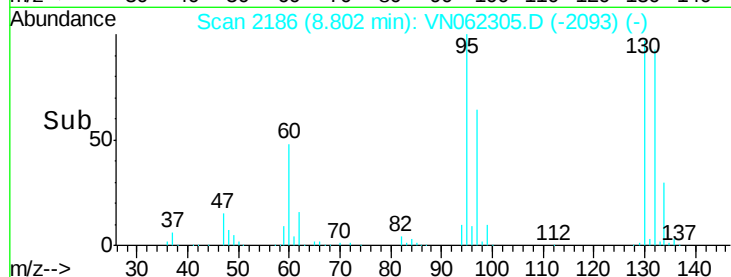
300000

200000

100000

0

Time-->



#50

Toluene-d8

Concen: 50.767 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062305.D

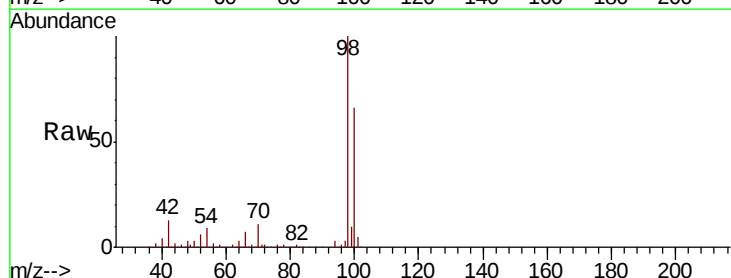
Acq: 1 Jul 2020 20:32

Tgt Ion: 98 Resp: 502315

Ion Ratio Lower Upper

98 100

100 65.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

10.06

300000

250000

200000

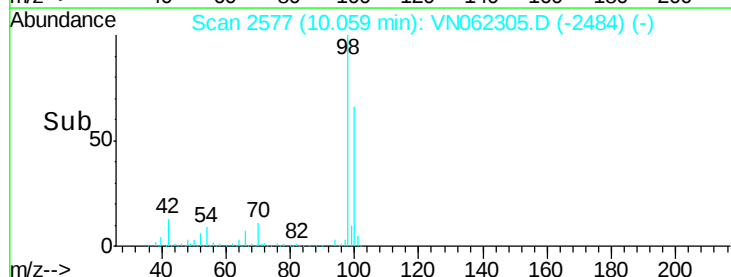
150000

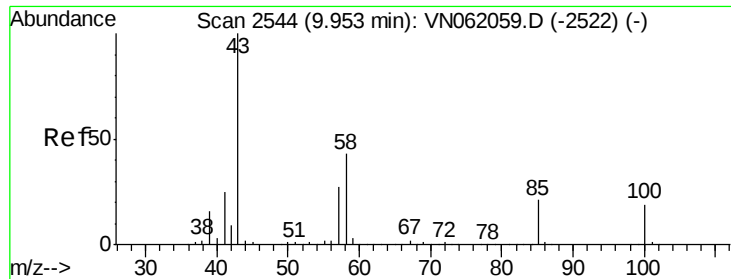
100000

50000

0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.760 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

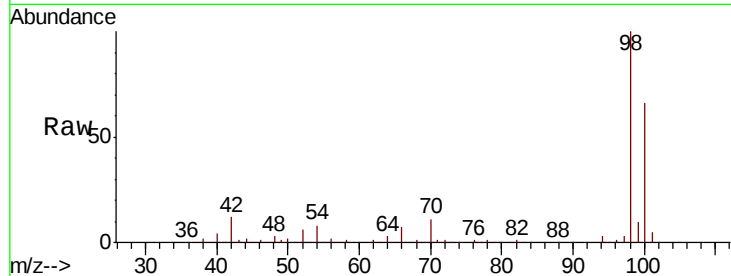
15BR-20200625

Tot Ion: 43 Resp: 2324

Ion Ratio Lower Upper

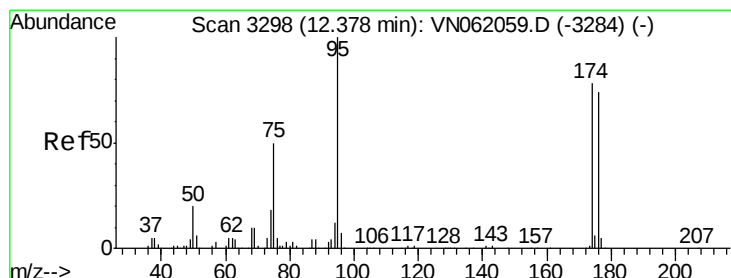
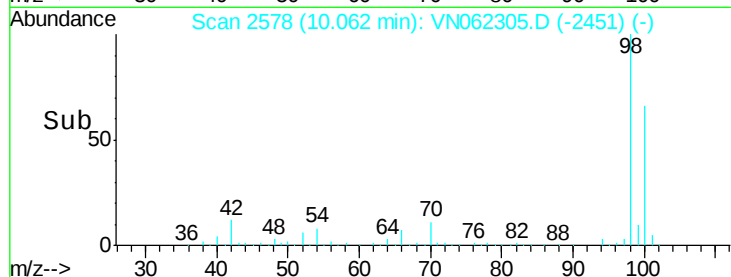
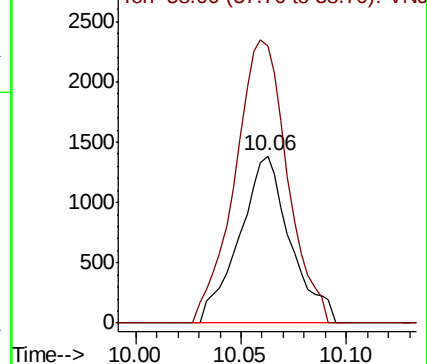
43 100

58 174.4 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 47.611 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

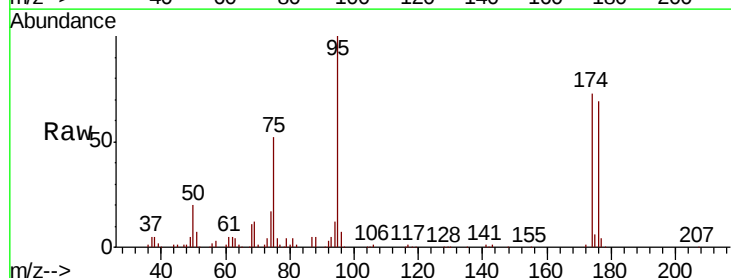
Tgt Ion: 95 Resp: 159158

Ion Ratio Lower Upper

95 100

174 74.6 0.0 154.8

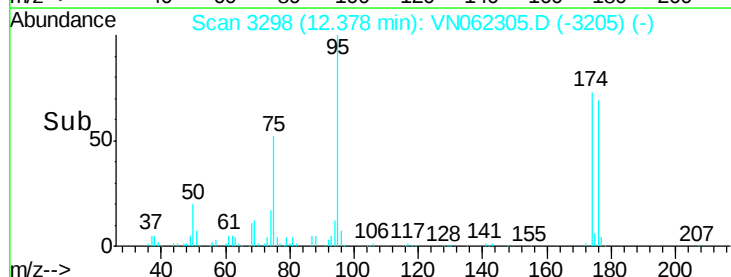
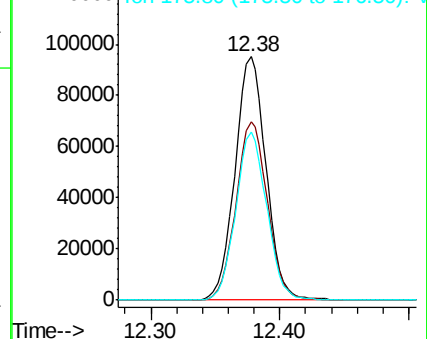
176 69.1 0.0 147.4

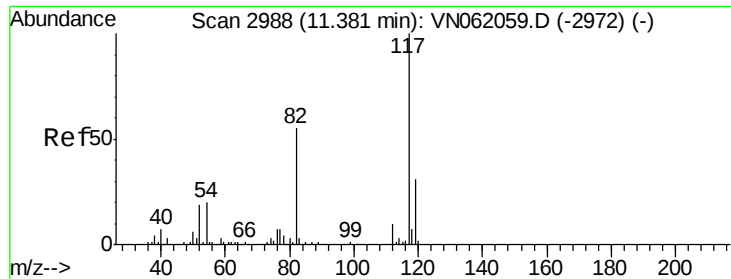


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

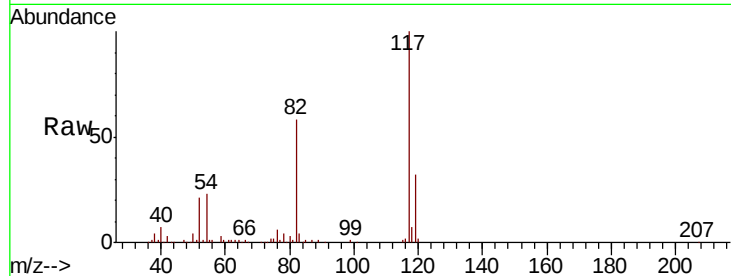




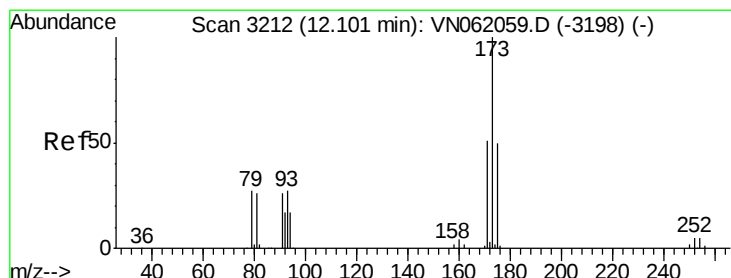
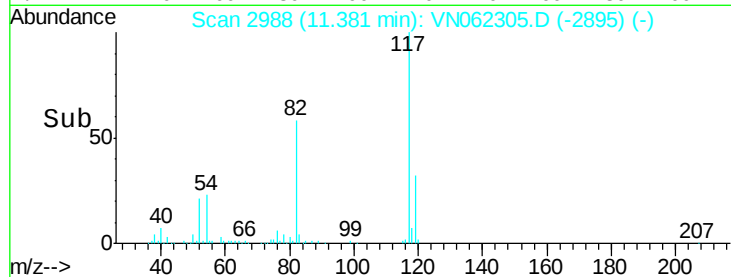
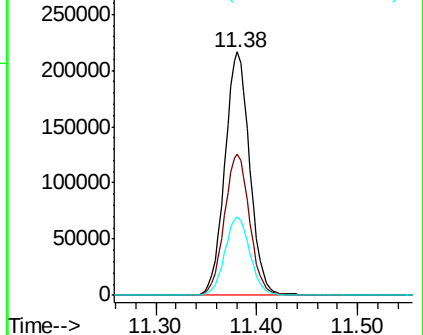
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062305.D
Acq: 1 Jul 2020 20:32

Instrument :
MSVOA_N
ClientSampleId :
15BR-20200625

Tot Ion:117 Resp: 374113
Ion Ratio Lower Upper
117 100
82 58.2 43.8 65.8
119 32.4 25.2 37.8

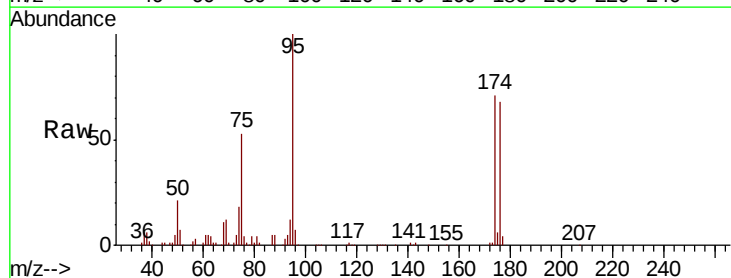


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

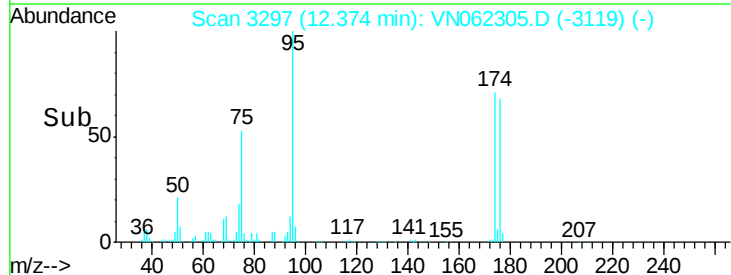
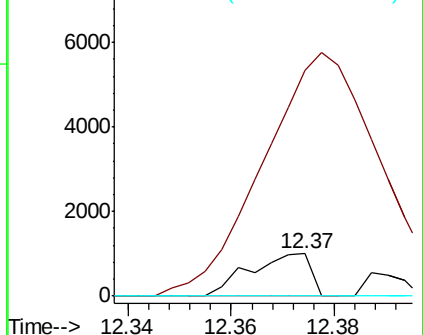


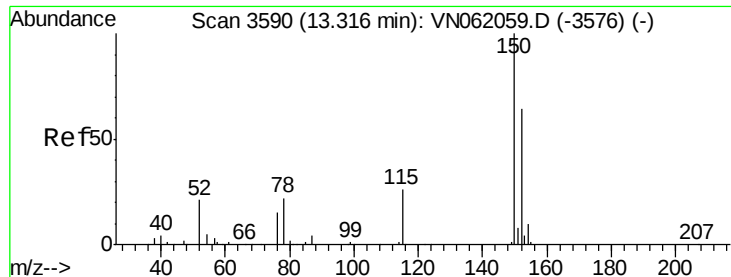
#71
Bromoform
Concen: 0.403 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN062305.D
Acq: 1 Jul 2020 20:32

Tgt Ion:173 Resp: 813
Ion Ratio Lower Upper
173 100
175 945.3 24.7 74.1#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Instrument :

MSVOA_N

ClientSampleId :

15BR-20200625

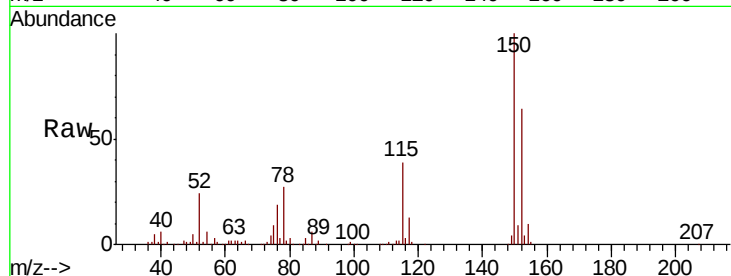
Tot Ion:152 Resp: 129961

Ion Ratio Lower Upper

152 100

115 60.6 29.5 88.5

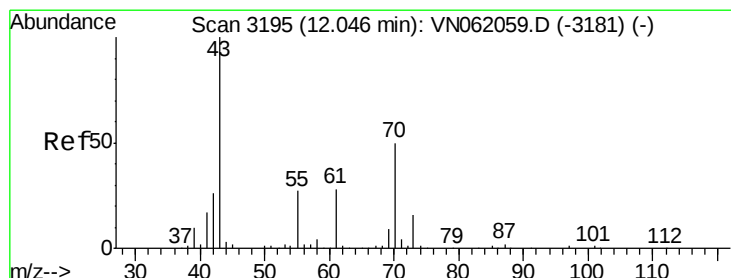
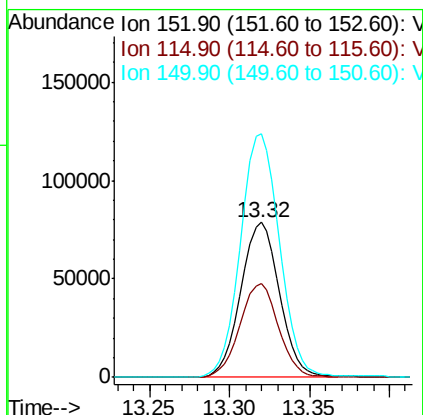
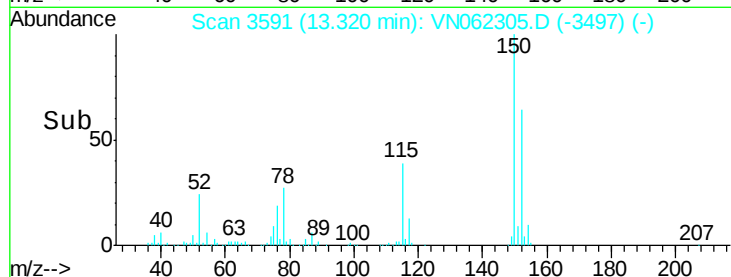
150 159.3 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.358 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.02 min

Lab File: VN062305.D

Acq: 1 Jul 2020 20:32

Tgt Ion: 43 Resp: 58

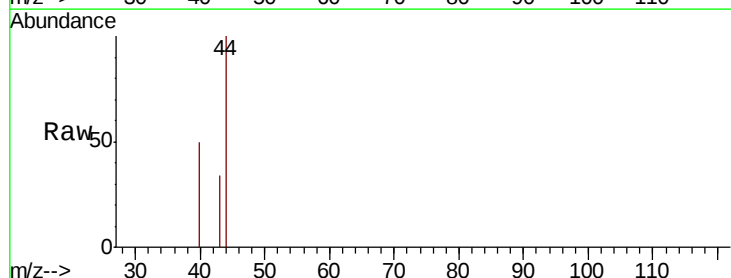
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

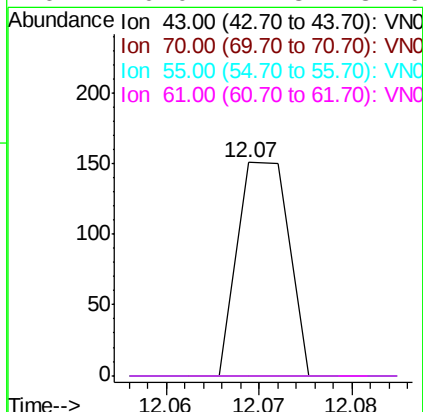
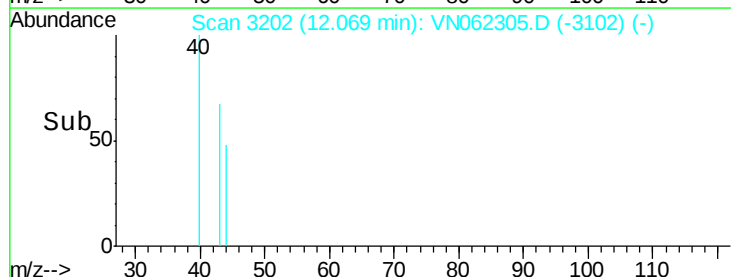


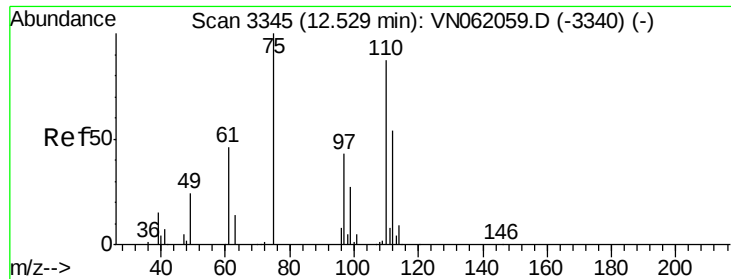
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

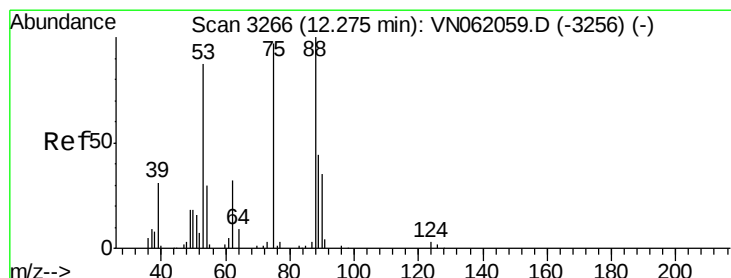
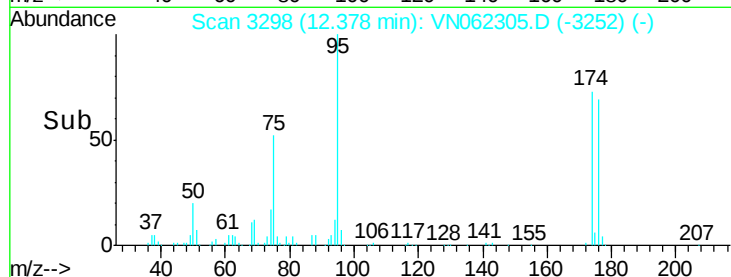
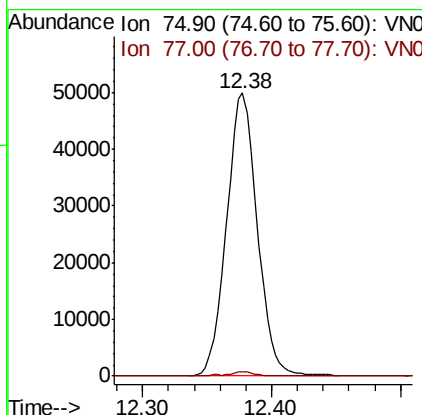
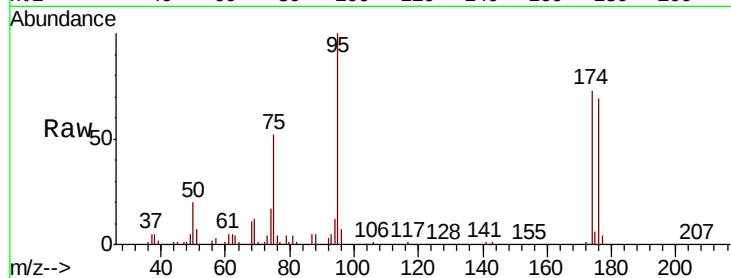




#76
 1,2,3-Trichloropropane
 Concen: 26.992 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20200625

Tot Ion: 75 Resp: 82579
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.827 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062305.D
 Acq: 1 Jul 2020 20:32

Tgt Ion: 75 Resp: 82579
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.0 108.0#
 89 0.0 36.9 55.3#

