

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062701.D
 Acq On : 31 Jul 2020 22:21
 Operator : JC/MD
 Sample : VN0731WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBL02

Quant Time: Aug 01 06:10:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	129991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	235392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	230083	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86499	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	112829	55.87	ug/l	0.00
Spiked Amount			Recovery	=	111.74%	
35) Dibromofluoromethane	7.55	113	77280	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	10.06	98	302144	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.38	95	112131	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

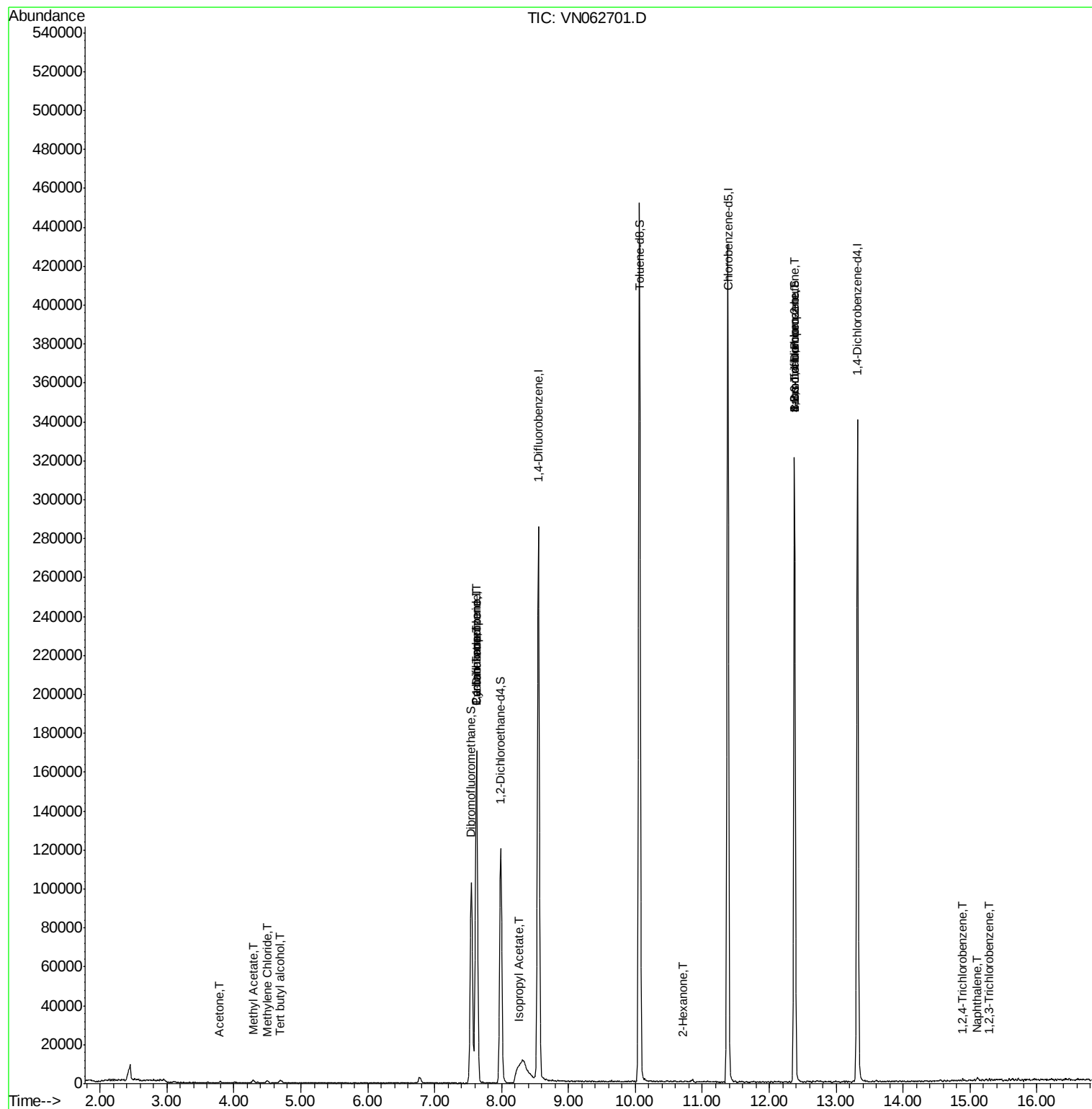
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	1371	4.268	ug/l #	73
16) Acetone	3.77	43	442	0.582	ug/l #	44
18) Methyl Acetate	4.28	43	3658	1.902	ug/l #	85
20) Methylene Chloride	4.51	84	1006	0.552	ug/l #	66
31) Cyclohexane	7.63	56	2987	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11552	4.604	ug/l #	51
38) Carbon Tetrachloride	7.63	117	13626	5.650	ug/l #	17
43) Isopropyl Acetate	8.25	43	7854	1.801	ug/l #	55
59) 2-Hexanone	10.72	43	38	2.978	ug/l	65
71) Bromoform	12.38	173	958	0.703	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	62684	28.471	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62684	79.256	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.88	180	212	3.241	ug/l #	81
95) Naphthalene	15.11	128	1468	4.114	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	482	0.371	ug/l #	84

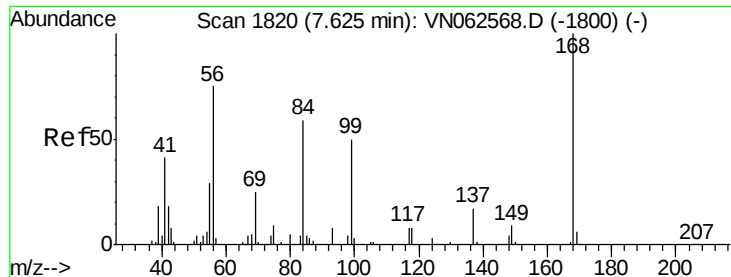
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062701.D

Acq: 31 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

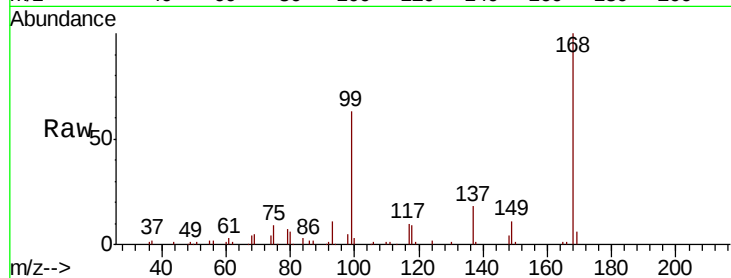
VN0731WBL02

Tot Ion:168 Resp: 129991

Ion Ratio Lower Upper

168 100

99 63.2 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

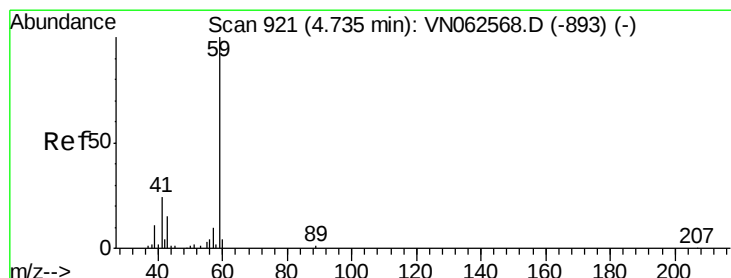
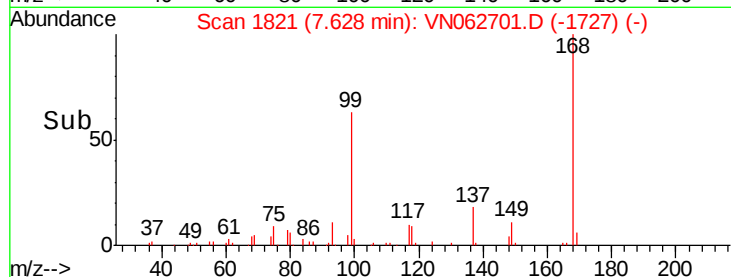
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 4.268 ug/l

RT: 4.70 min Scan# 909

Delta R.T. -0.04 min

Lab File: VN062701.D

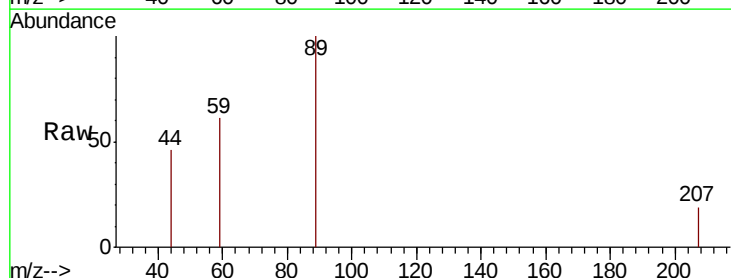
Acq: 31 Jul 2020 22:21

Tgt Ion: 59 Resp: 1371

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.70

500

400

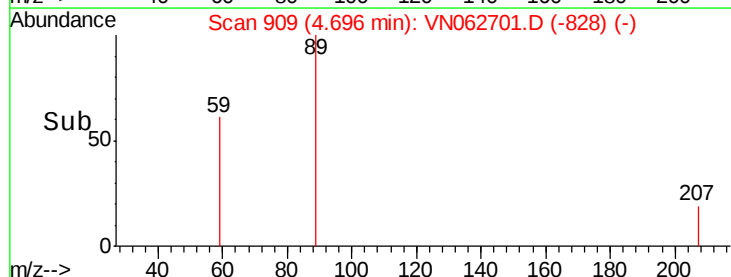
300

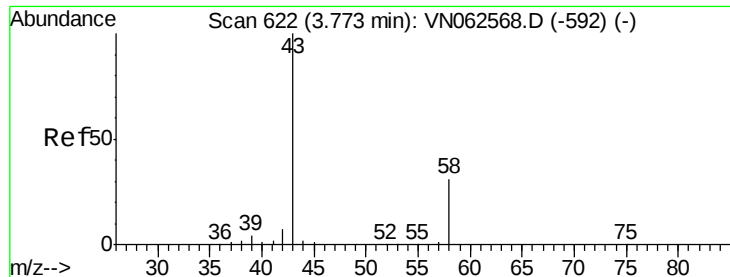
200

100

0

Time--> 4.65 4.70 4.75





#16

Acetone

Concen: 0.582 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN062701.D

Acq: 31 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

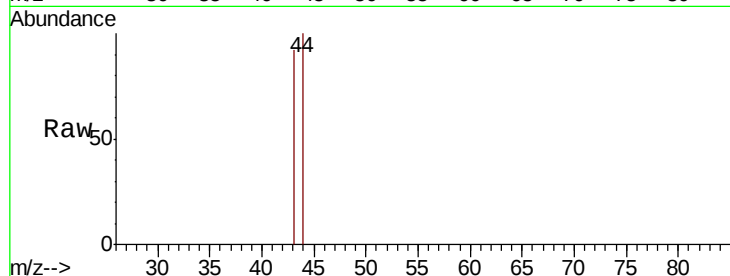
VN0731WBL02

Tot Ion: 43 Resp: 442

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.77

300

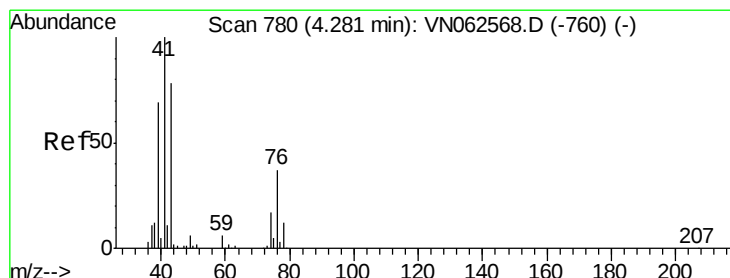
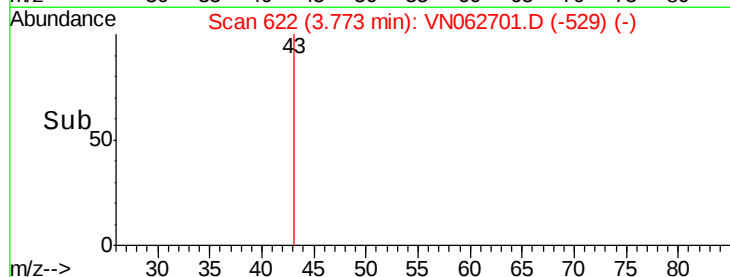
200

100

0

3.76 3.78

Time-->



#18

Methyl Acetate

Concen: 1.902 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062701.D

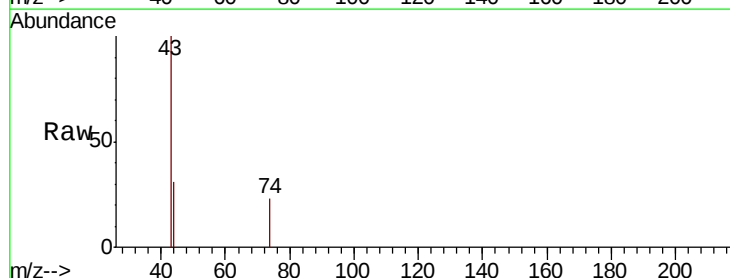
Acq: 31 Jul 2020 22:21

Tgt Ion: 43 Resp: 3658

Ion Ratio Lower Upper

43 100

74 13.6 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1500

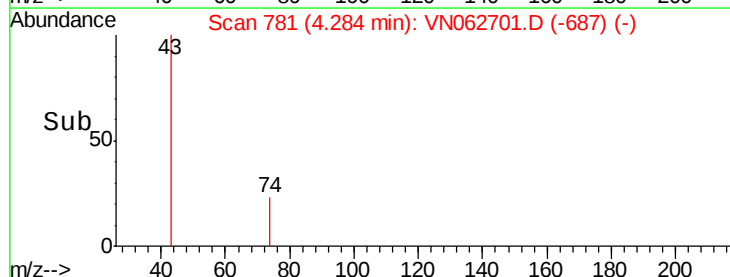
1000

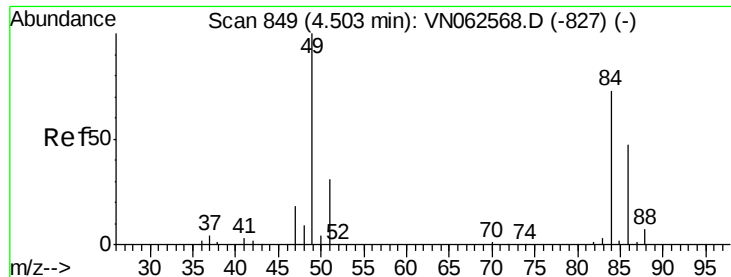
500

0

4.20 4.25 4.30 4.35

Time-->

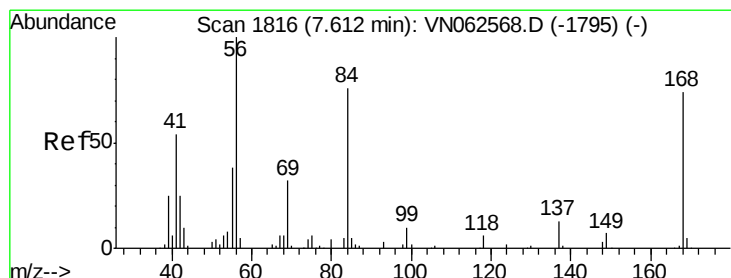
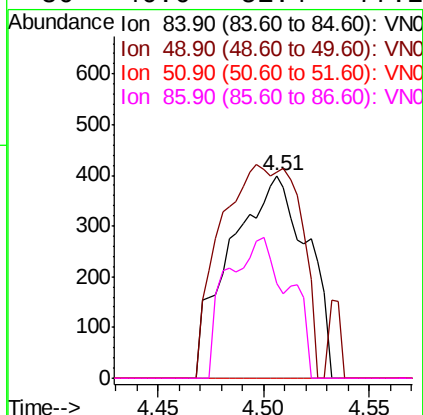
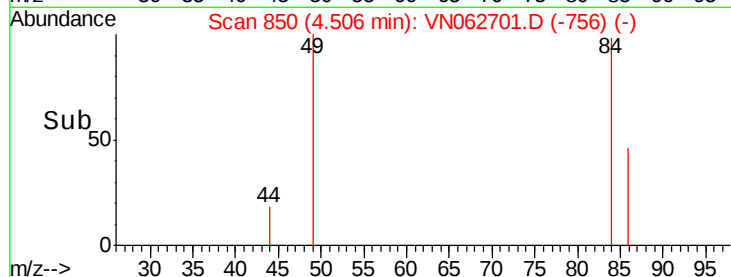
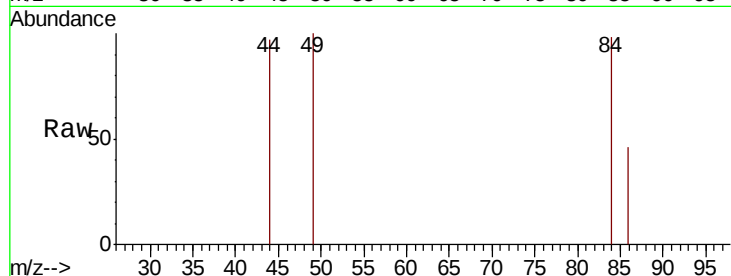




#20
Methvlene Chloride
Concen: 0.552 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

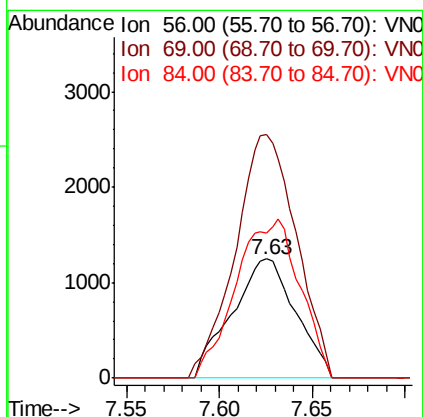
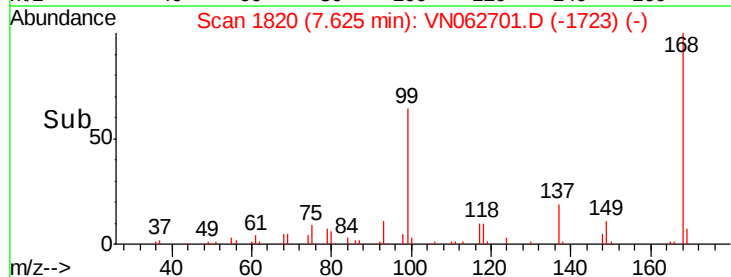
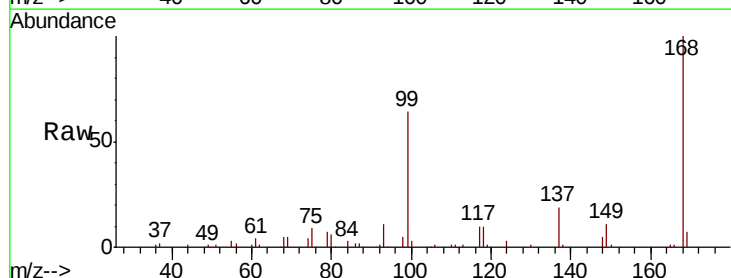
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBL02

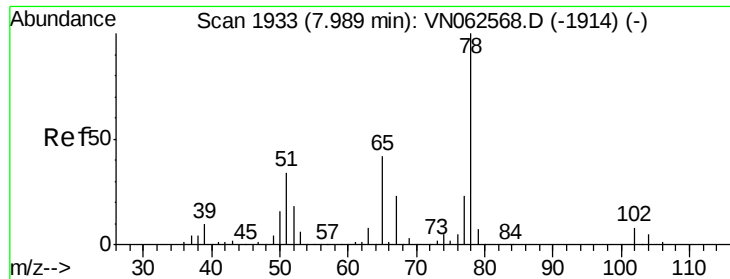
Tot Ion: 84 Resp: 1006
Ion Ratio Lower Upper
84 100
49 102.0 109.4 164.0#
51 0.0 33.6 50.4#
86 46.6 51.4 77.2#



#31
Cyclohexane
Concen: 1.004 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

Tgt Ion: 56 Resp: 2987
Ion Ratio Lower Upper
56 100
69 204.2 25.3 37.9#
84 121.2 61.0 91.4#





#33

1,2-Dichloroethane-d4

Concen: 55.874 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062701.D

Acq: 31 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

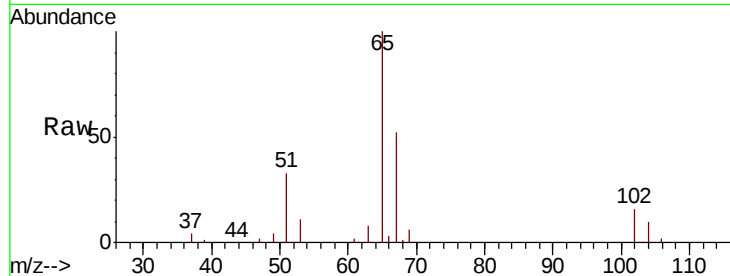
VN0731WBL02

Tot Ion: 65 Resp: 112829

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN062568.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN062568.D (-1914) (-)

7.99

50000

40000

30000

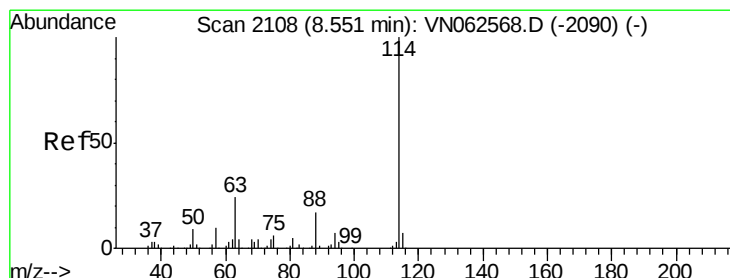
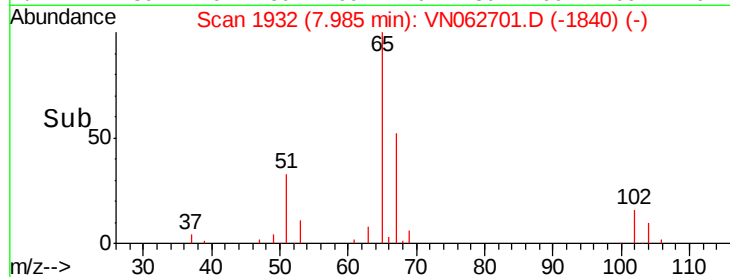
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062701.D

Acq: 31 Jul 2020 22:21

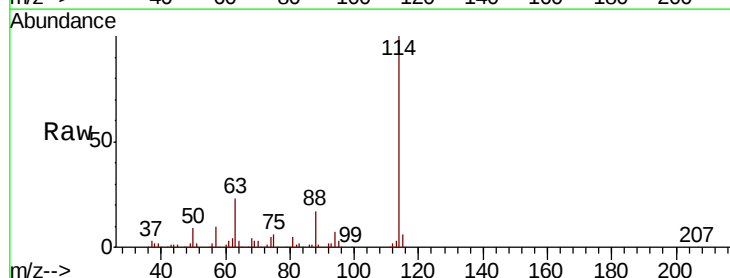
Tgt Ion: 114 Resp: 235392

Ion Ratio Lower Upper

114 100

63 23.2 0.0 48.4

88 17.1 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VN062568.D (-2090) (-)

Ion 63.00 (62.70 to 63.70): VN062568.D (-2090) (-)

Ion 87.90 (87.60 to 88.60): VN062568.D (-2090) (-)

8.55

150000

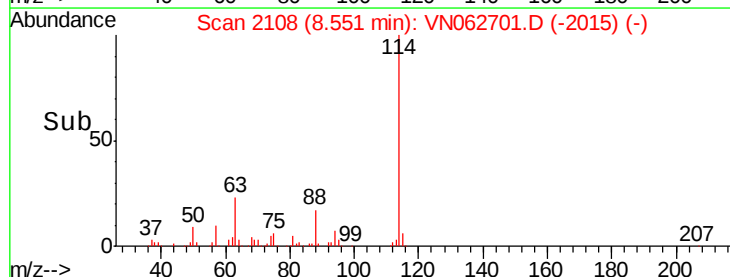
100000

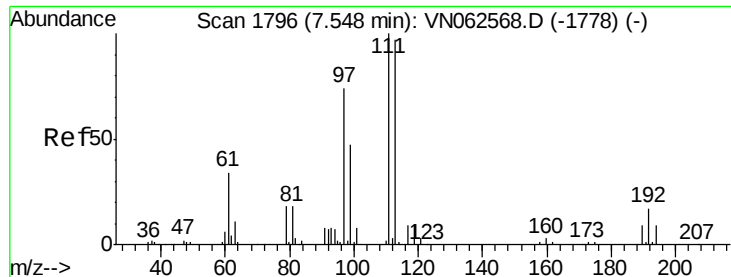
50000

0

8.50 8.60

Time-->

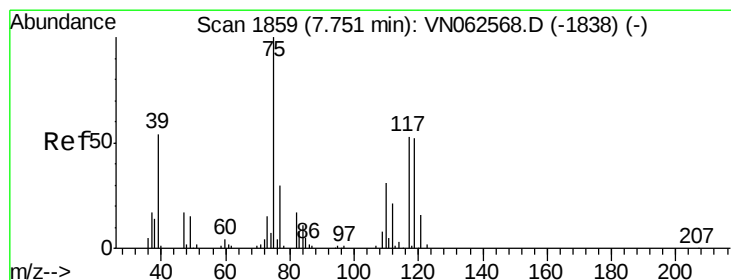
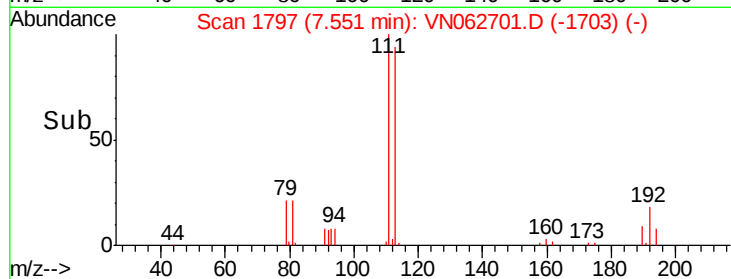
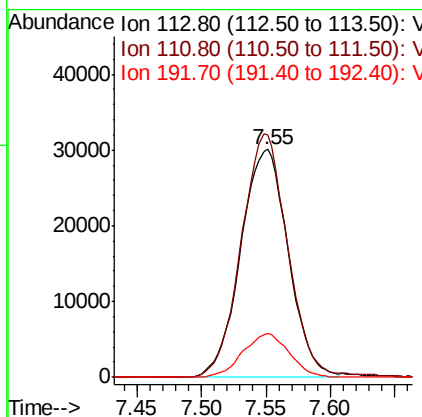
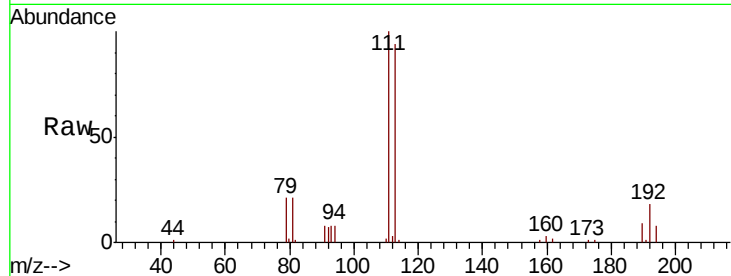




#35
 Dibromofluoromethane
 Concen: 49.981 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062701.D
 Acq: 31 Jul 2020 22:21

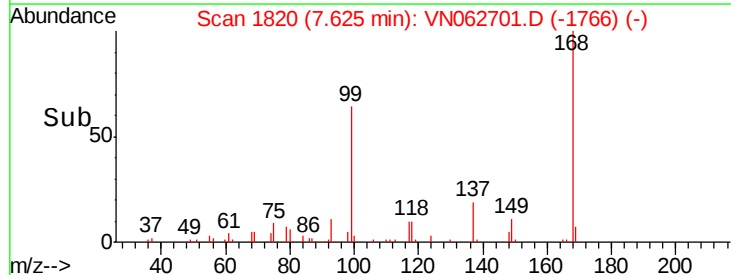
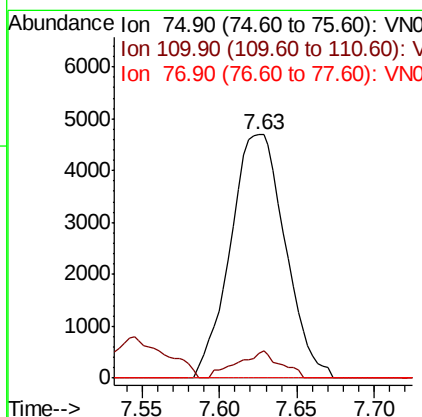
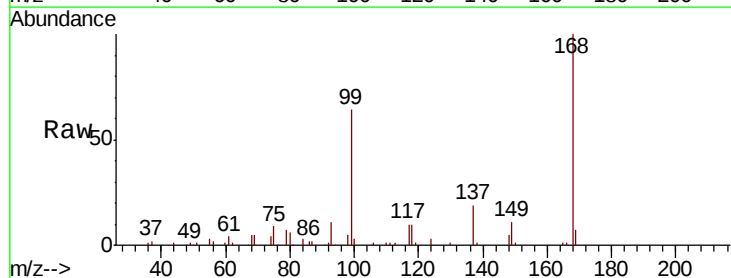
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBL02

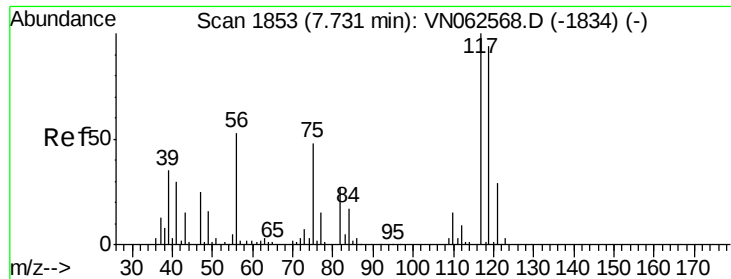
Tot Ion:113 Resp: 77280
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.7 124.1
 192 18.7 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062701.D
 Acq: 31 Jul 2020 22:21

Tgt Ion: 75 Resp: 11552
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.0 48.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.650 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062701.D

Acq: 31 Jul 2020 22:21

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBL02

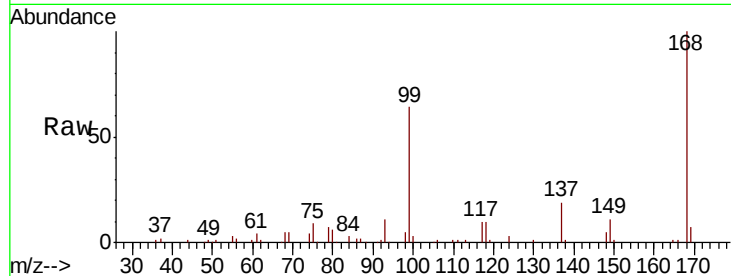
Tot Ion:117 Resp: 13626

Ion Ratio Lower Upper

117 100

119 5.6 74.8 112.2#

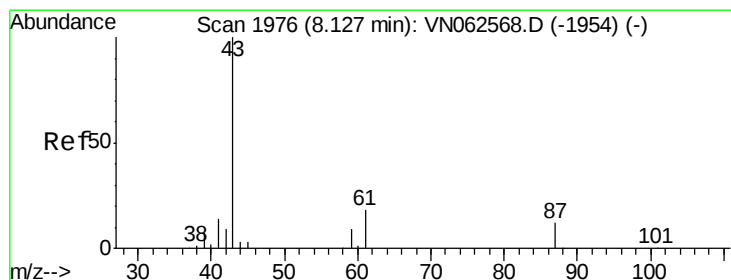
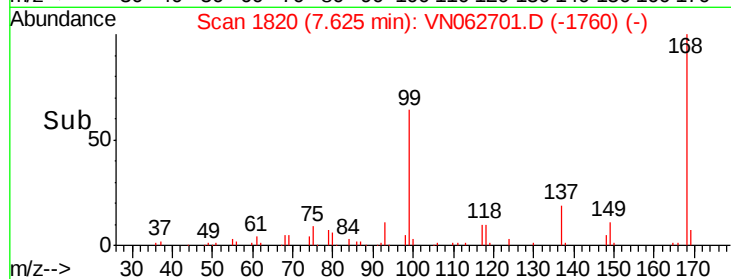
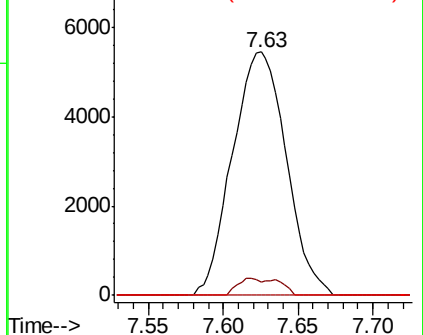
121 0.0 23.0 34.6#



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



#43

Isopropyl Acetate

Concen: 1.801 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.12 min

Lab File: VN062701.D

Acq: 31 Jul 2020 22:21

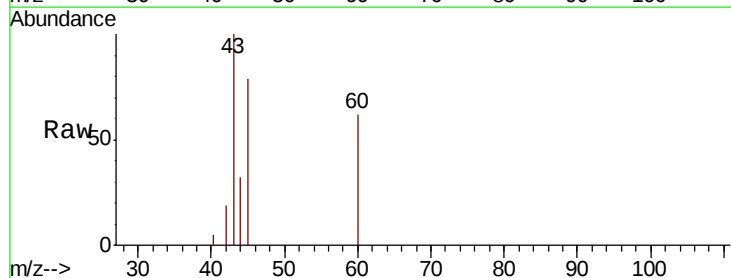
Tgt Ion: 43 Resp: 7854

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

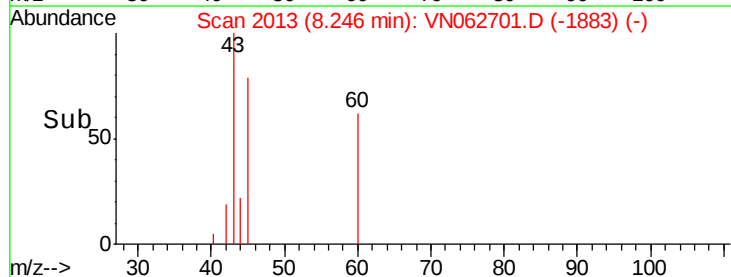
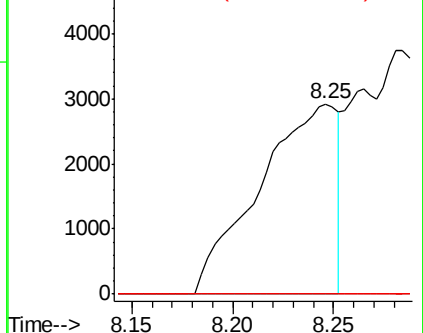
87 0.0 9.2 13.8#

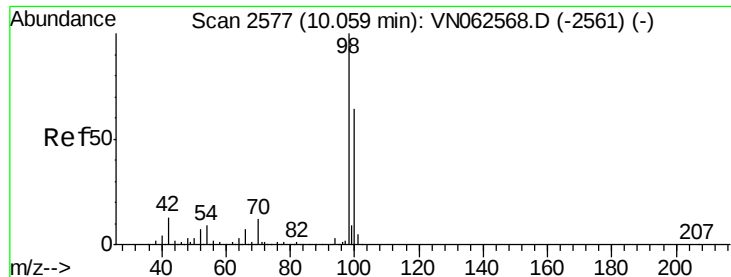


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

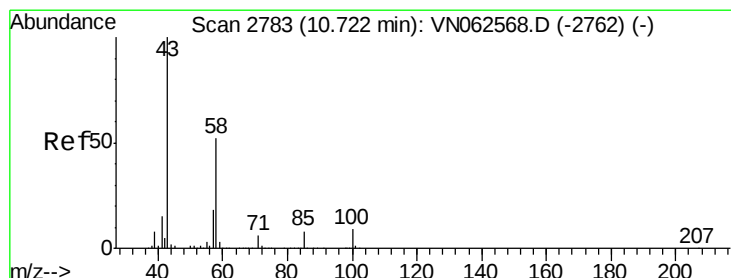
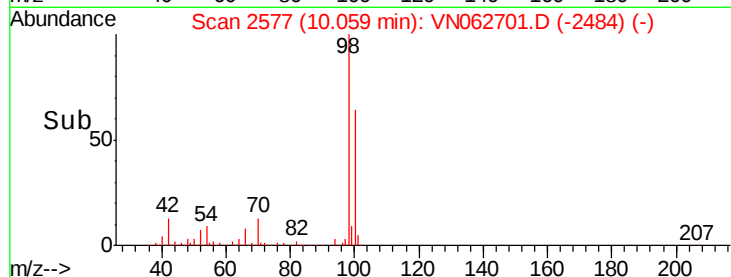
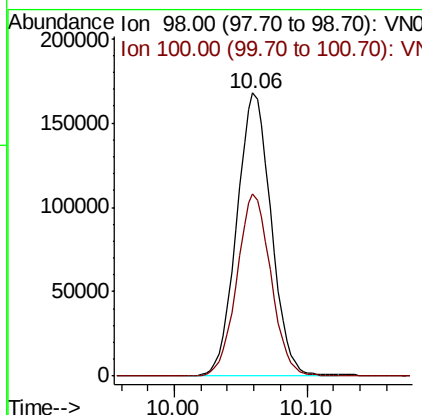
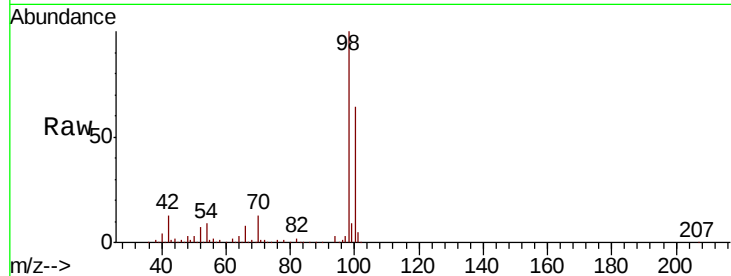




#50
Toluene-d8
Concen: 48.976 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

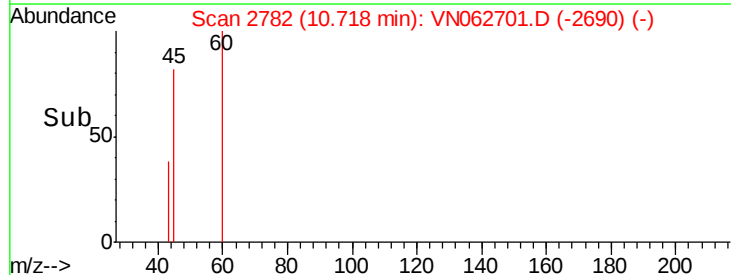
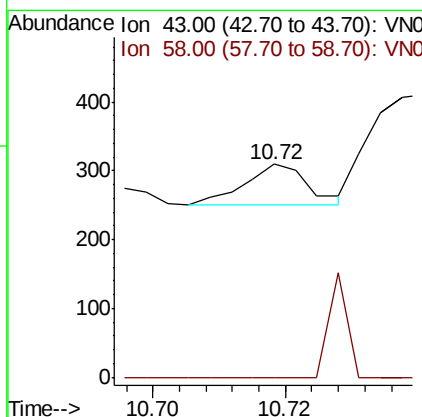
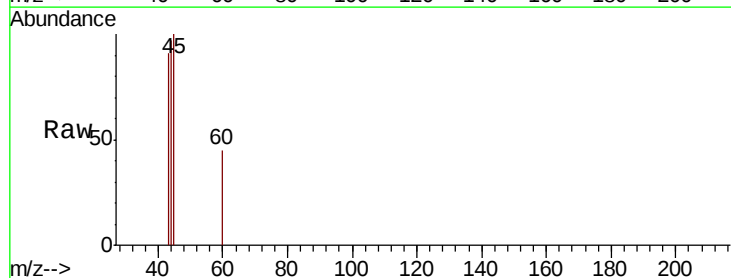
Instrument :
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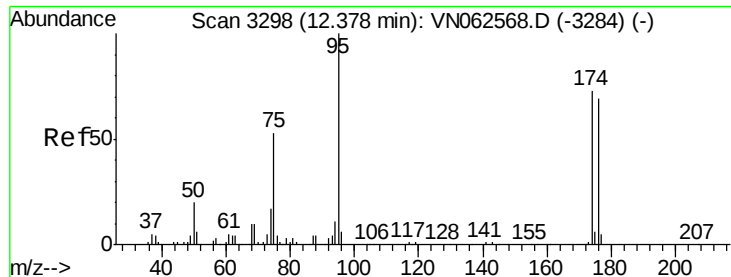
Tot Ion: 98 Resp: 302144
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#59
2-Hexanone
Concen: 2.978 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.00 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

Tgt Ion: 43 Resp: 38
Ion Ratio Lower Upper
43 100
58 76.3 26.0 78.0

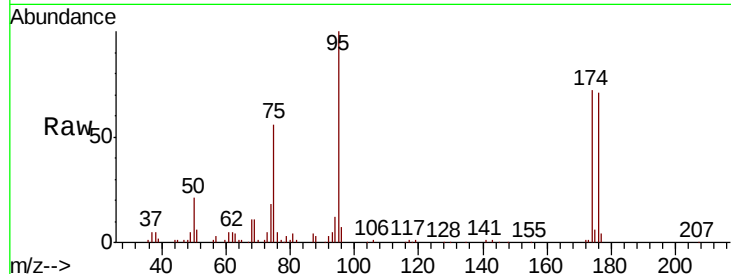




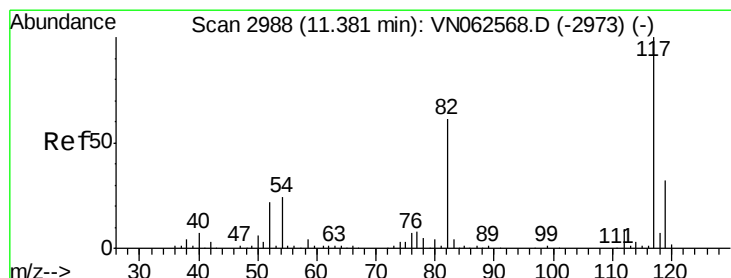
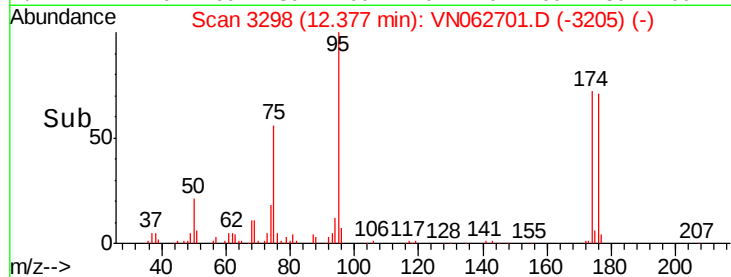
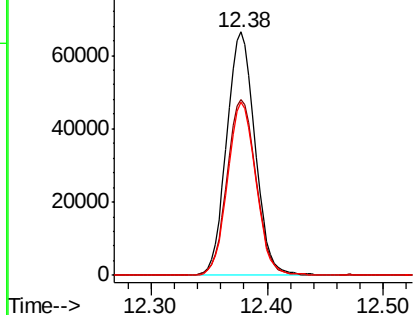
#62
4-Bromofluorobenzene
Concen: 49.710 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBL02

Tot Ion: 95 Resp: 112131
Ion Ratio Lower Upper
95 100
174 73.7 0.0 144.6
176 70.9 0.0 139.4

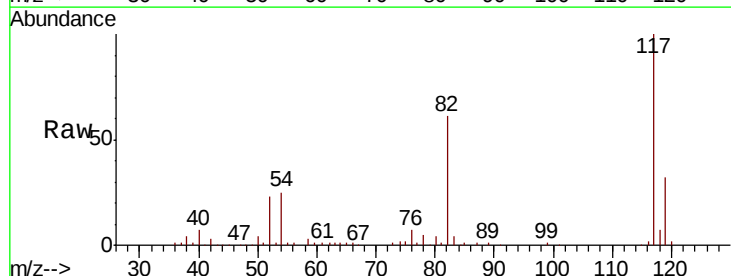


Abundance Ion 94.90 (94.60 to 95.60): VN062701.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN062701.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN062701.D (-3205) (-)

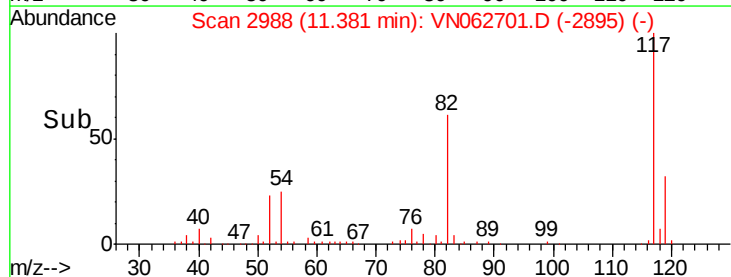
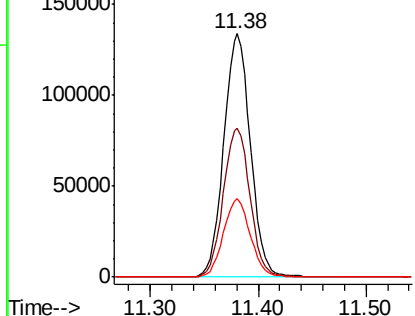


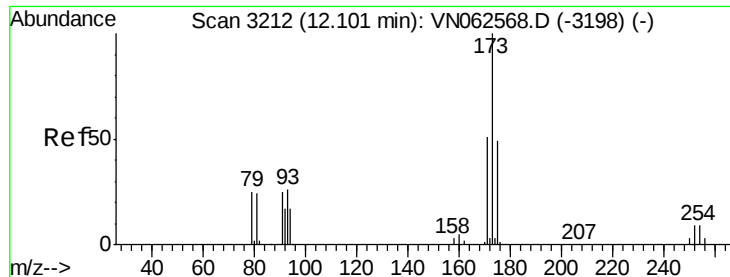
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

Tgt Ion: 117 Resp: 230083
Ion Ratio Lower Upper
117 100
82 61.3 49.0 73.6
119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN062701.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN062701.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN062701.D (-2895) (-)

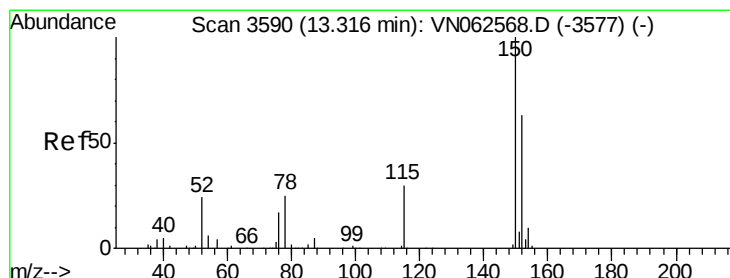
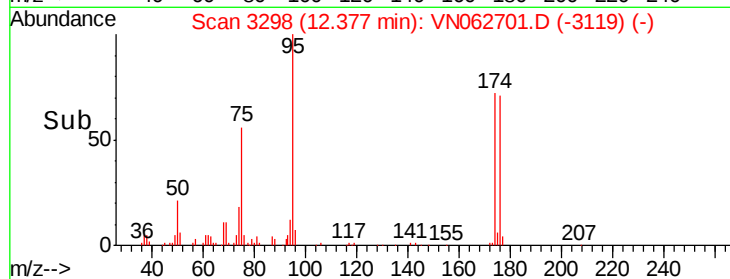
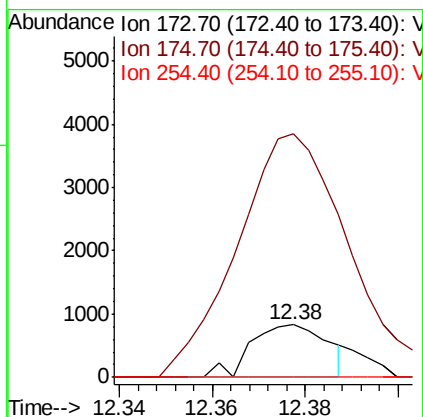
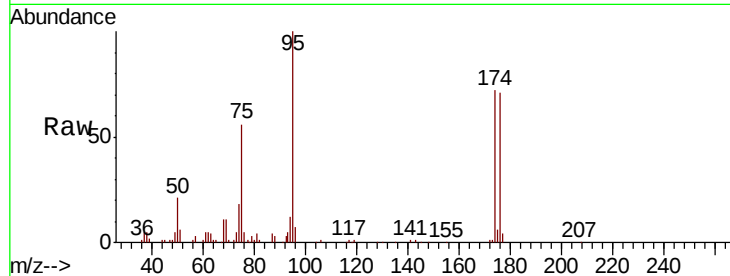




#71
Bromoform
Concen: 0.703 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

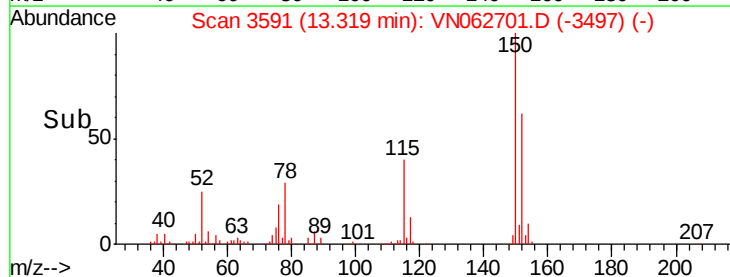
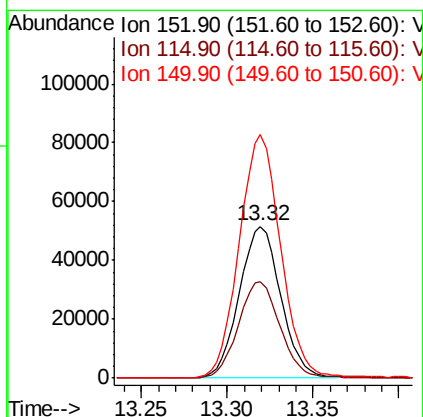
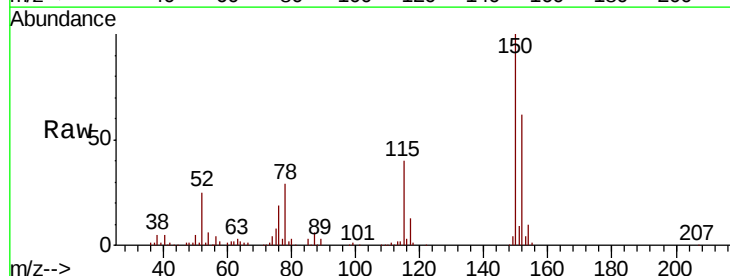
Instrument :
MSVOA_N
ClientSampleId :
VN0731WBL02

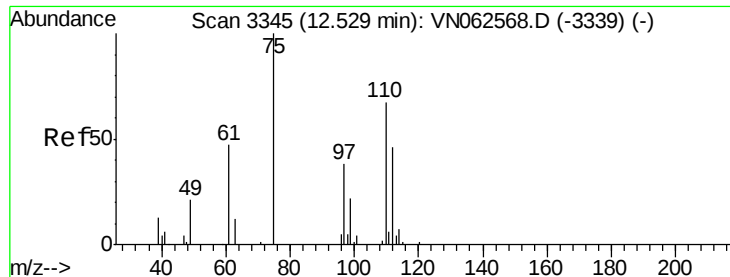
Tot Ion:173 Resp: 958
Ion Ratio Lower Upper
173 100
175 559.7 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062701.D
Acq: 31 Jul 2020 22:21

Tgt Ion:152 Resp: 86499
Ion Ratio Lower Upper
152 100
115 63.9 31.8 95.4
150 160.3 0.0 351.4

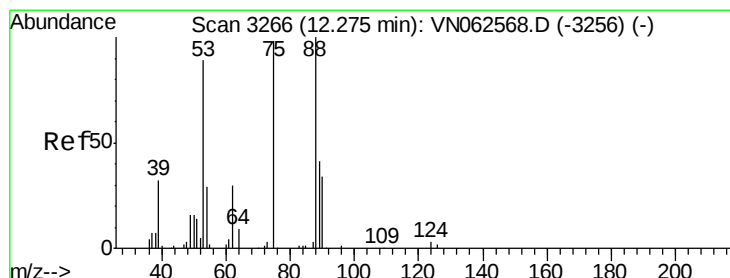
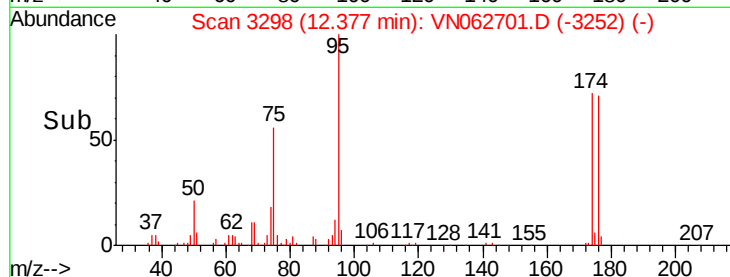
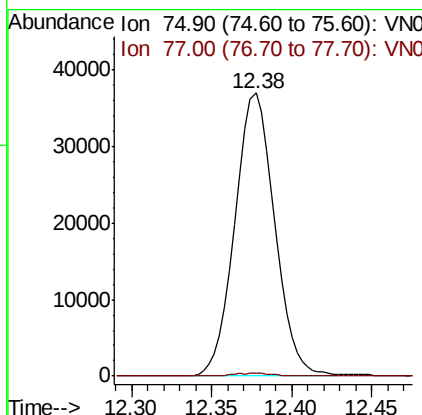
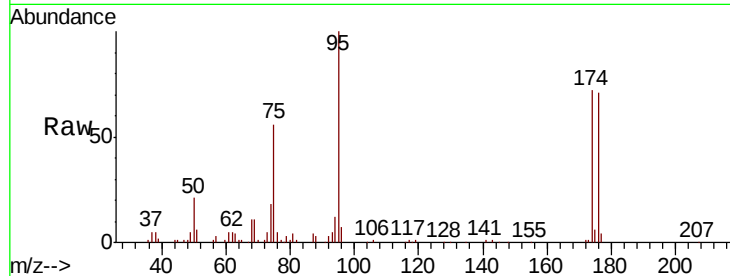




#76
 1,2,3-Trichloropropane
 Concen: 28.471 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062701.D
 Acq: 31 Jul 2020 22:21

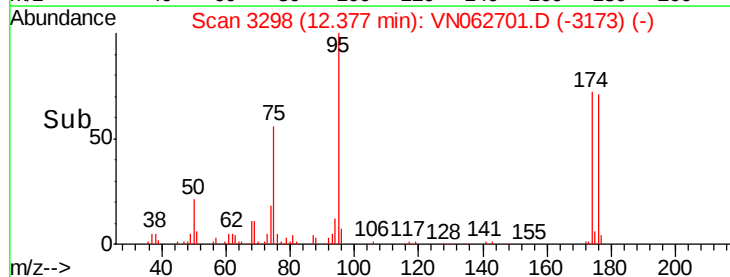
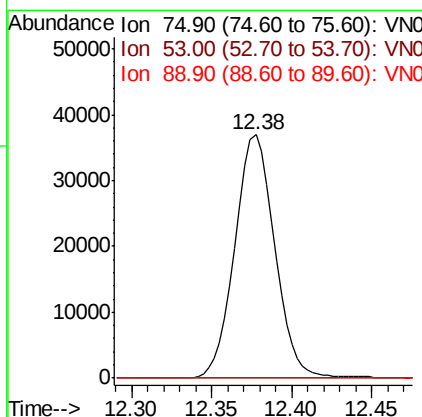
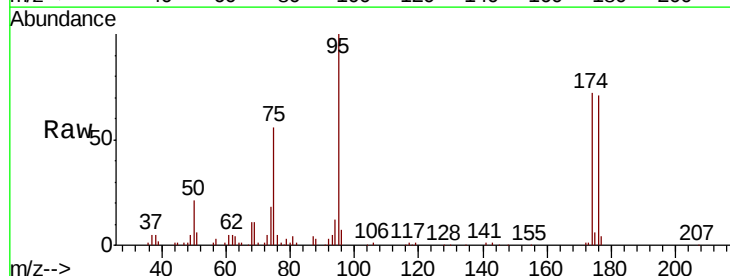
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBL02

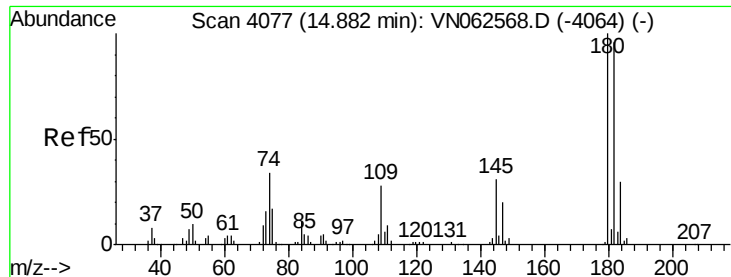
Tot Ion: 75 Resp: 62684
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.256 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062701.D
 Acq: 31 Jul 2020 22:21

Tgt Ion: 75 Resp: 62684
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

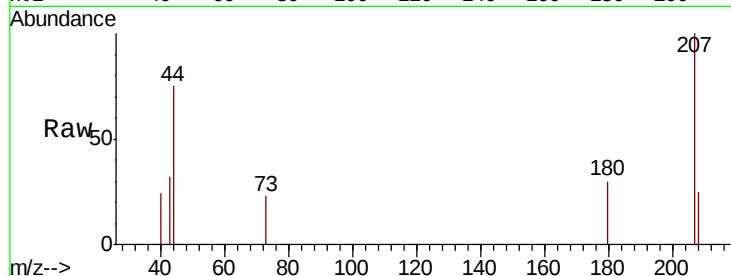




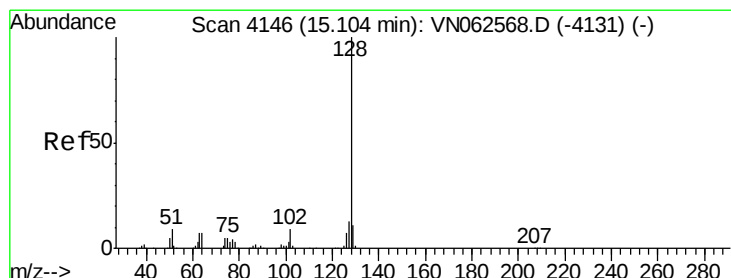
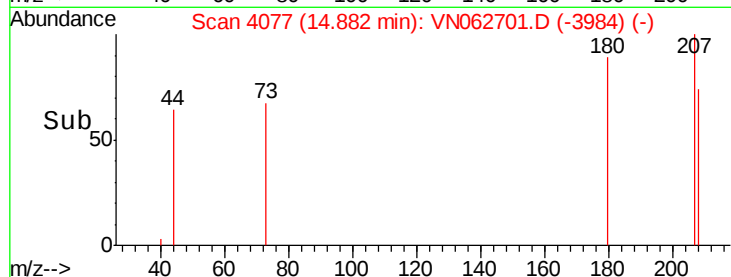
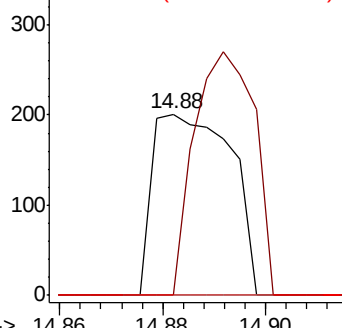
#93
 1,2,4-Trichlorobenzene
 Concen: 3.241 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062701.D
 Acq: 31 Jul 2020 22:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBL02

Tot Ion:180 Resp: 212
 Ion Ratio Lower Upper
 180 100
 182 102.4 47.8 143.3
 145 0.0 15.3 45.9#

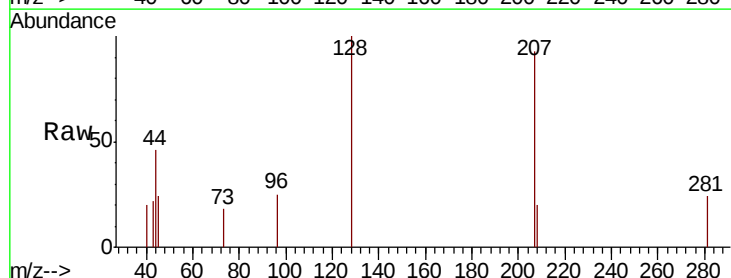


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

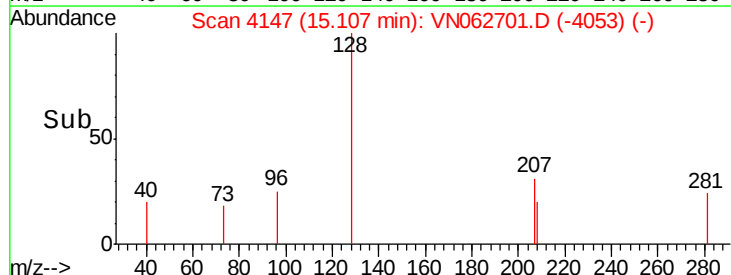
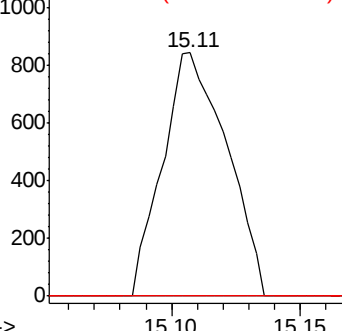


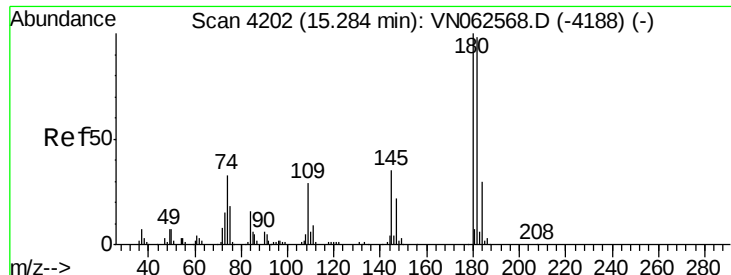
#95
 Naphthalene
 Concen: 4.114 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062701.D
 Acq: 31 Jul 2020 22:21

Tgt Ion:128 Resp: 1468
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.371 ug/l
 RT: 15.28 min Scan# 4201
 Delta R.T. -0.00 min
 Lab File: VN062701.D
 Acq: 31 Jul 2020 22:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.1	144.3
145	0.0	16.7	50.1

