

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062673.D
 Acq On : 31 Jul 2020 9:56
 Operator : JC/MD
 Sample : VN0731MBL01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731MBL01

Quant Time: Aug 01 06:02:12 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	7.62	168	126902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	219671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	216284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	71651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	108754	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
35) Dibromofluoromethane	7.54	113	76869	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
50) Toluene-d8	10.06	98	290507	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.37	95	99402	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	

Target Compounds

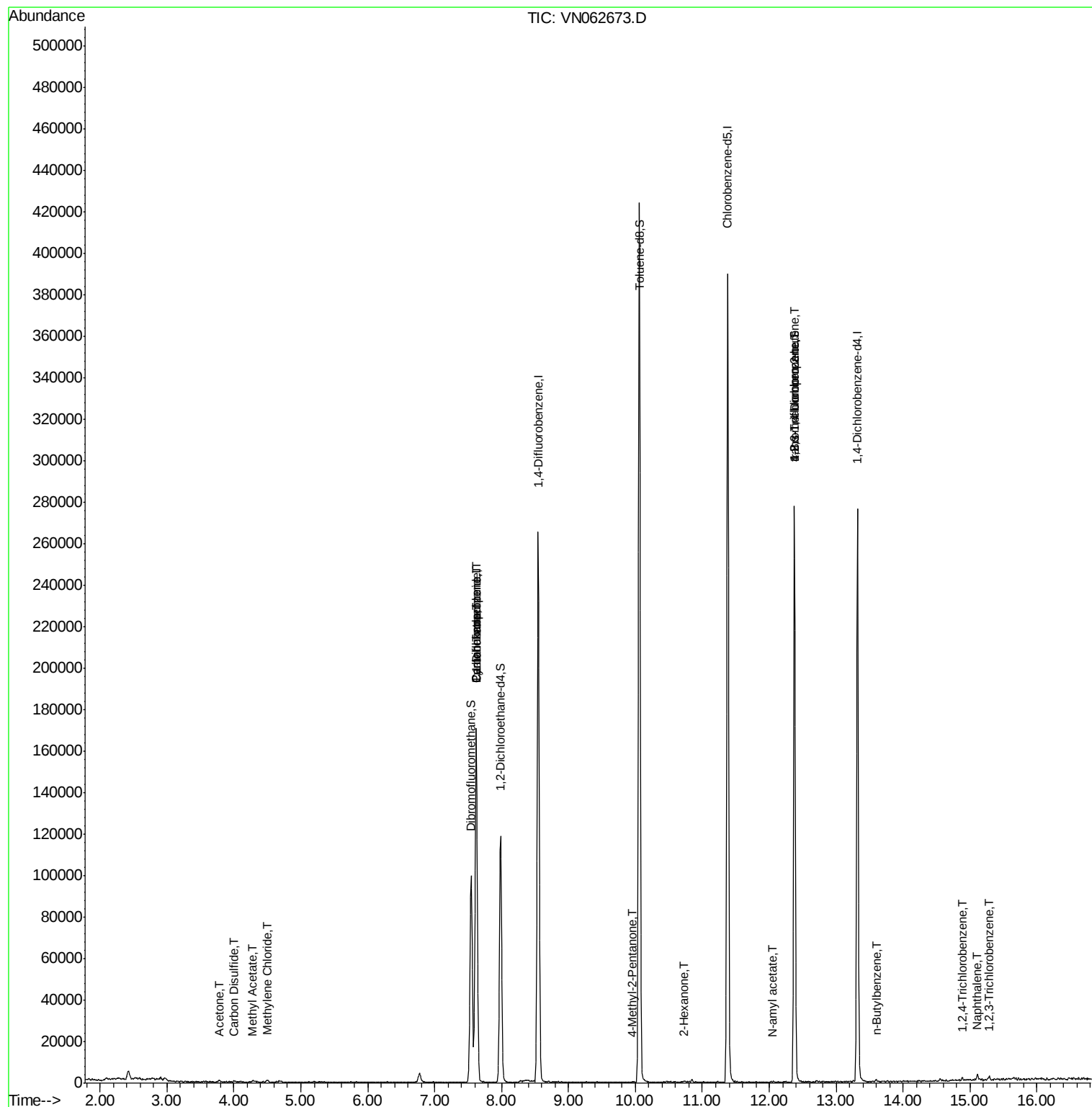
						Qvalue
16) Acetone	3.78	43	1009	1.360	ug/l #	85
17) Carbon Disulfide	4.00	76	929	0.208	ug/l #	75
18) Methyl Acetate	4.28	43	1827	0.973	ug/l #	63
20) Methylene Chloride	4.49	84	819	0.460	ug/l #	55
31) Cyclohexane	7.63	56	3305	1.138	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	11624	4.964	ug/l #	47
38) Carbon Tetrachloride	7.62	117	13604	6.044	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	687	0.282	ug/l #	38
59) 2-Hexanone	10.72	43	996	3.482	ug/l #	42
74) N-amyl acetate	12.05	43	538	0.213	ug/l #	45
76) 1,2,3-Trichloropropane	12.37	75	55341	30.344	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	55341	84.471	ug/l #	12
89) n-Butylbenzene	13.59	91	904	0.234	ug/l #	64
93) 1,2,4-Trichlorobenzene	14.88	180	609	3.579	ug/l #	77
94) Hexachlorobutadiene	14.99	225	94	Below Cal	#	38
95) Naphthalene	15.11	128	3574	4.799	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.28	180	463	0.430	ug/l #	25

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

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QLast Update : Tue Jul 21 18:48:59 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062673.D

Acq: 31 Jul 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

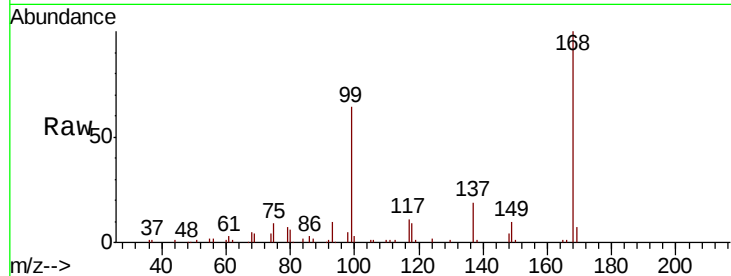
VN0731MBL01

Tot Ion:168 Resp: 126902

Ion Ratio Lower Upper

168 100

99 64.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

60000

50000

40000

30000

20000

10000

0

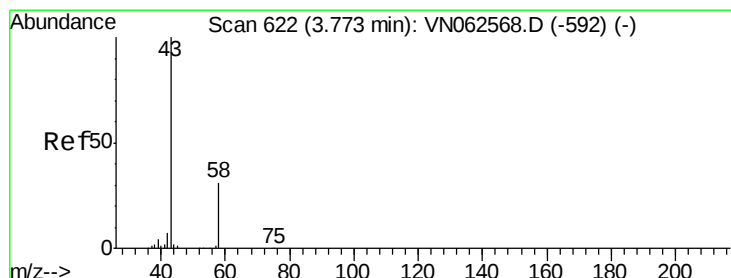
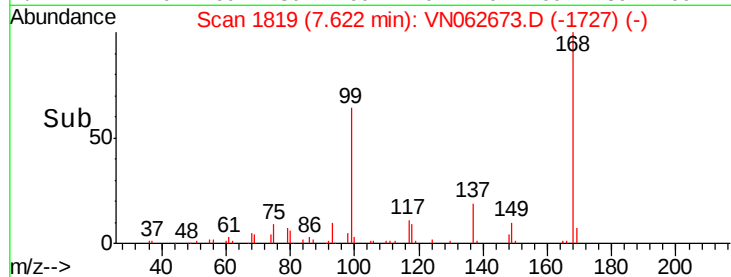
7.62

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 1.360 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062673.D

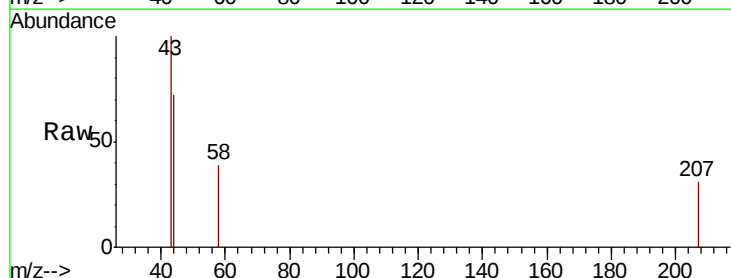
Acq: 31 Jul 2020 9:56

Tgt Ion: 43 Resp: 1009

Ion Ratio Lower Upper

43 100

58 38.8 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

600

500

400

300

200

100

0

3.78

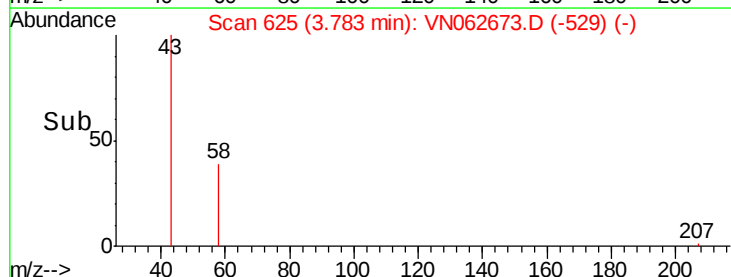
3.74

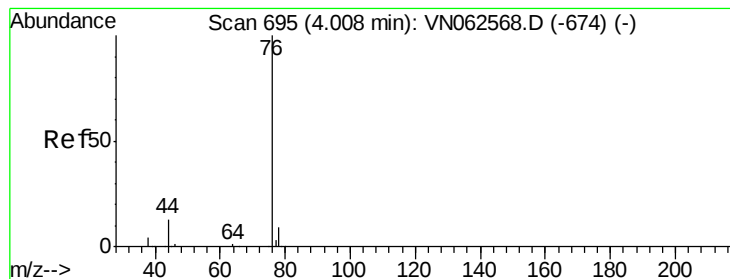
3.76

3.78

3.80

Time-->





#17

Carbon Disulfide

Concen: 0.208 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN062673.D

Acq: 31 Jul 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

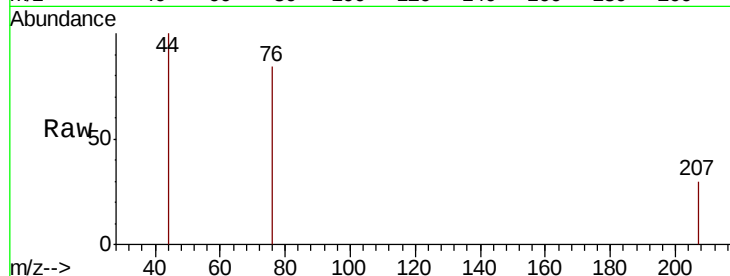
VN0731MBL01

Tot Ion: 76 Resp: 929

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

500

400

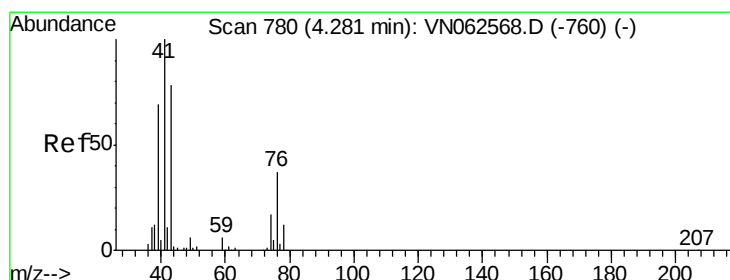
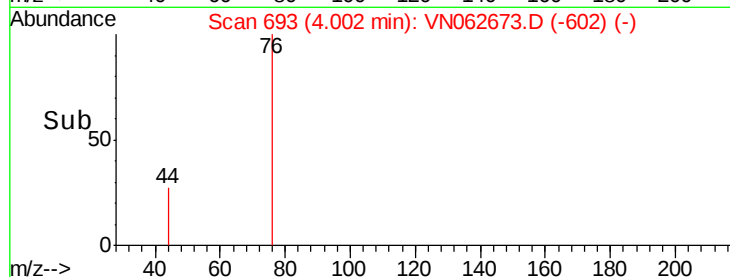
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 0.973 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN062673.D

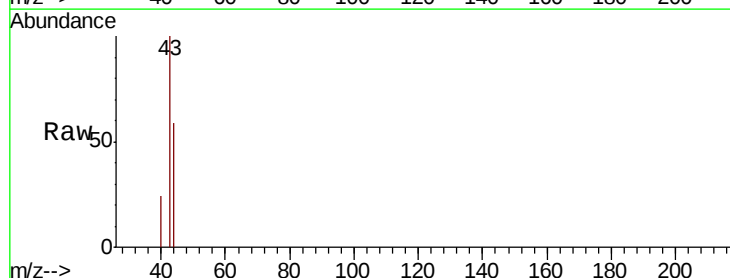
Acq: 31 Jul 2020 9:56

Tgt Ion: 43 Resp: 1827

Ion Ratio Lower Upper

43 100

74 3.4 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

800

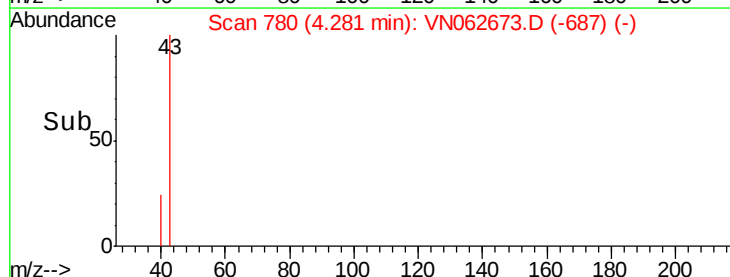
600

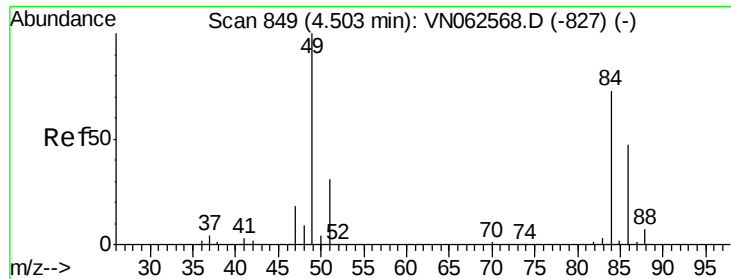
400

200

0

Time-->

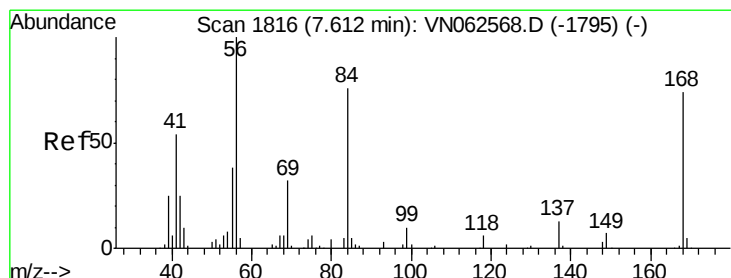
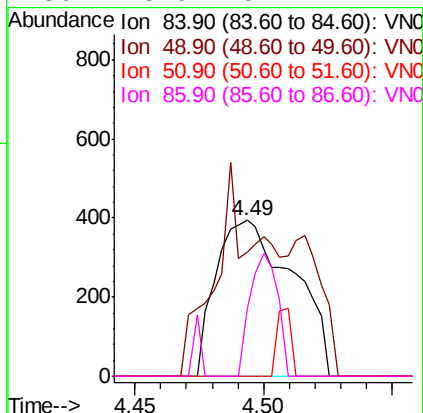
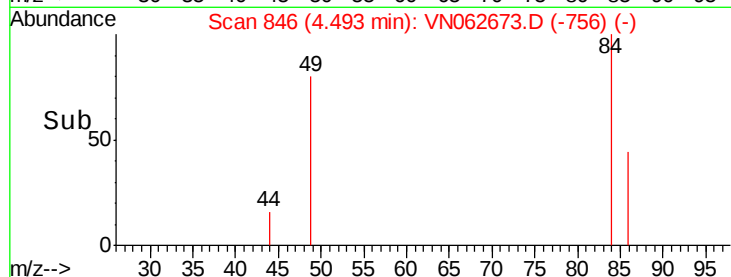
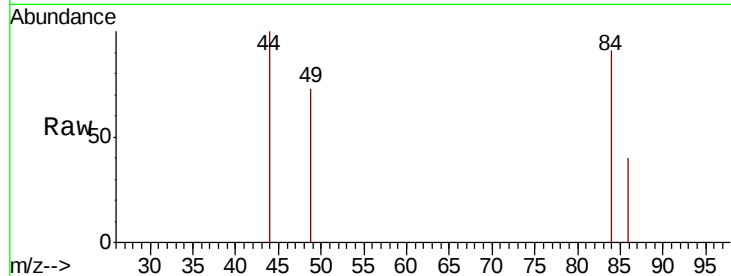




#20
Methvlene Chloride
Concen: 0.460 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

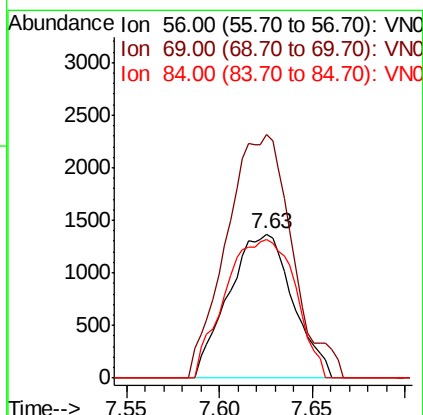
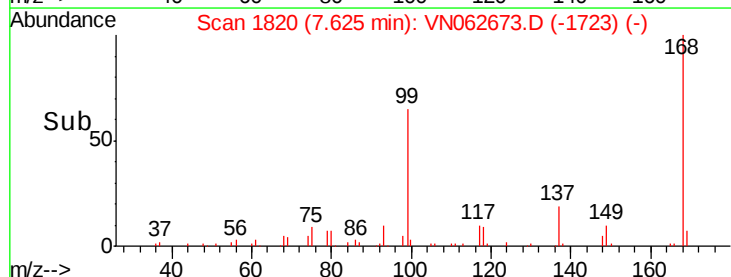
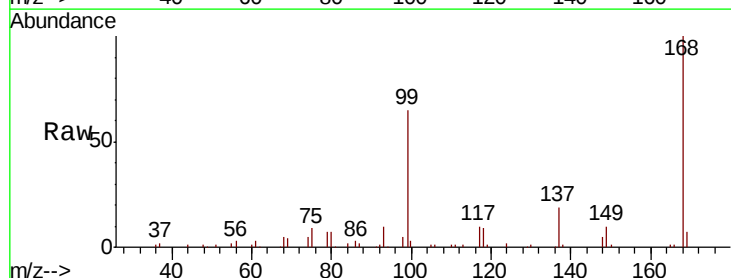
Instrument :
MSVOA_N
ClientSampleId :
VN0731MBL01

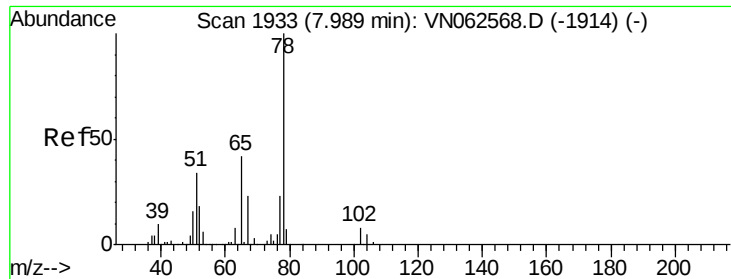
Tot Ion: 84 Resp: 819
Ion Ratio Lower Upper
84 100
49 79.9 109.4 164.0#
51 0.0 33.6 50.4#
86 43.9 51.4 77.2#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

Tgt Ion: 56 Resp: 3305
Ion Ratio Lower Upper
56 100
69 169.3 25.3 37.9#
84 96.8 61.0 91.4#

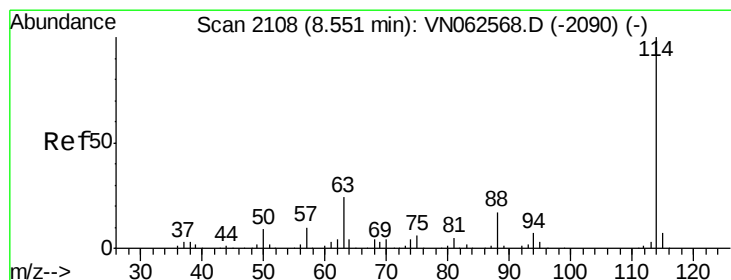
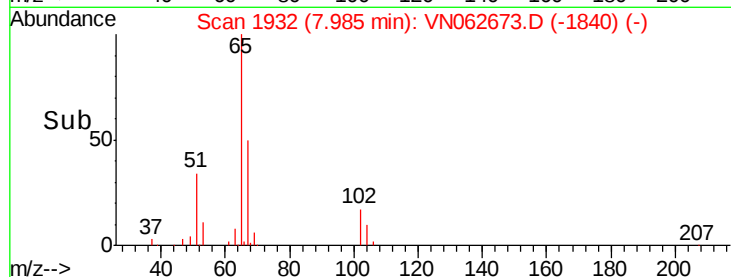
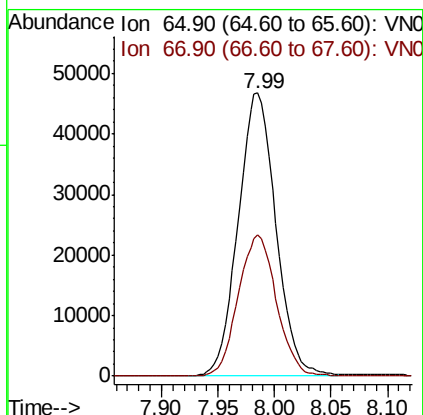
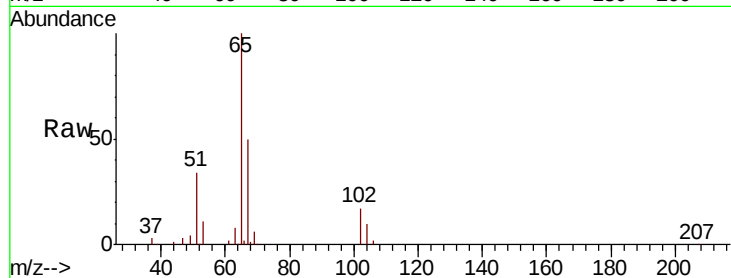




#33
 1,2-Dichloroethane-d4
 Concen: 55.167 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062673.D
 Acq: 31 Jul 2020 9:56

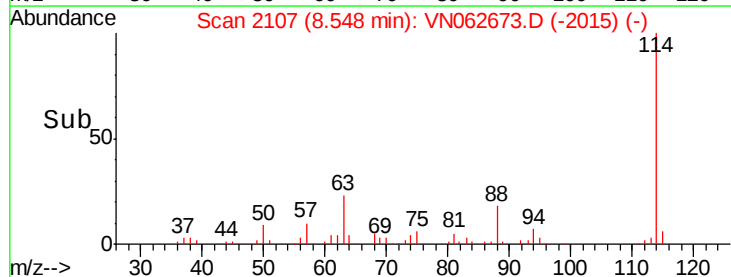
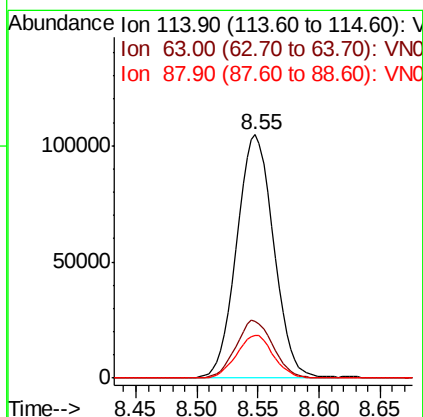
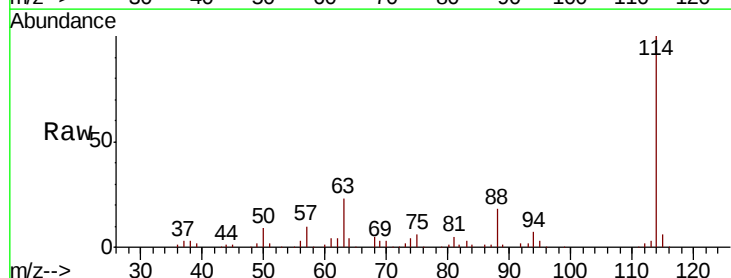
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731MBL01

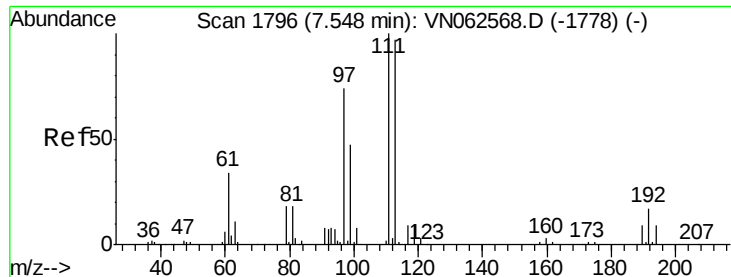
Tot Ion: 65 Resp: 108754
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062673.D
 Acq: 31 Jul 2020 9:56

Tgt Ion: 114 Resp: 219671
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.4
 88 17.8 0.0 33.8

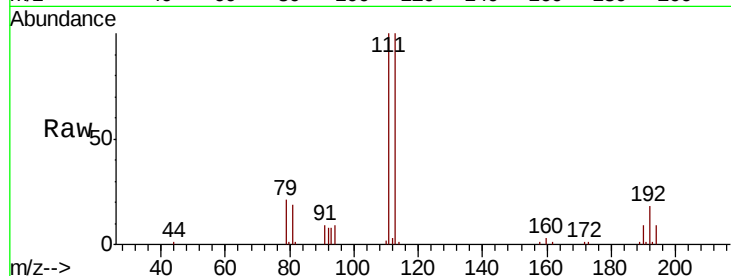




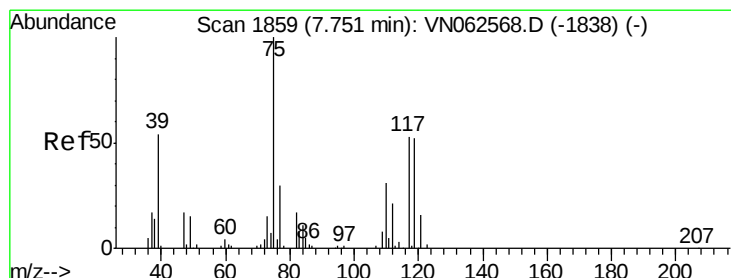
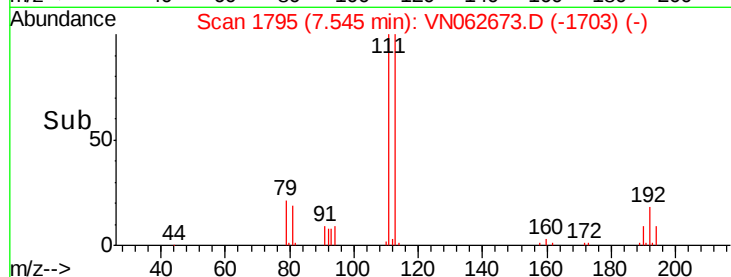
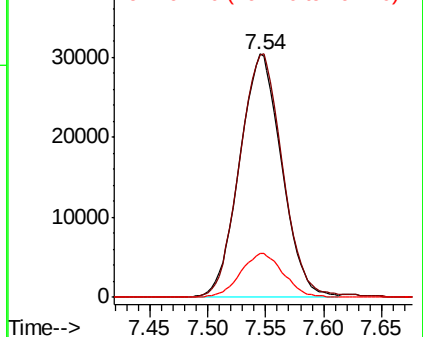
#35
 Dibromofluoromethane
 Concen: 53.273 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062673.D
 Acq: 31 Jul 2020 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731MBL01

Tot Ion:113 Resp: 76869
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.7 124.1
 192 18.3 14.8 22.2

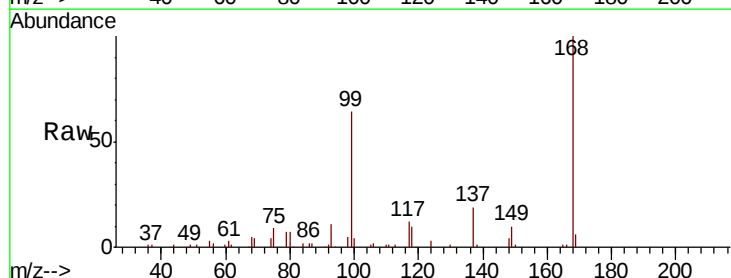


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

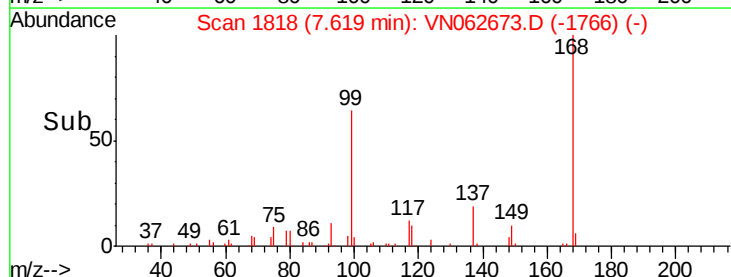
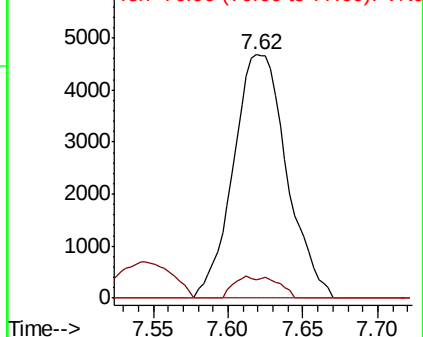


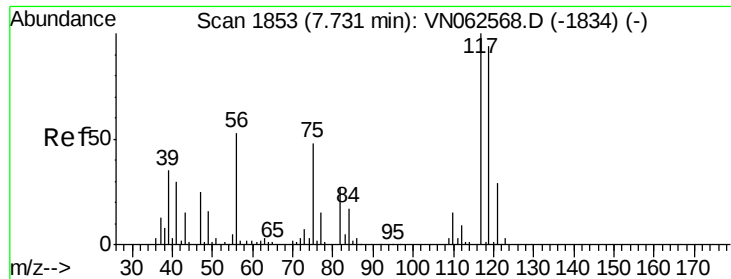
#36
 1,1-Dichloropropene
 Concen: 4.964 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN062673.D
 Acq: 31 Jul 2020 9:56

Tgt Ion: 75 Resp: 11624
 Ion Ratio Lower Upper
 75 100
 110 3.8 16.0 48.0#
 77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.044 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.11 min

Lab File: VN062673.D

Acq: 31 Jul 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0731MBL01

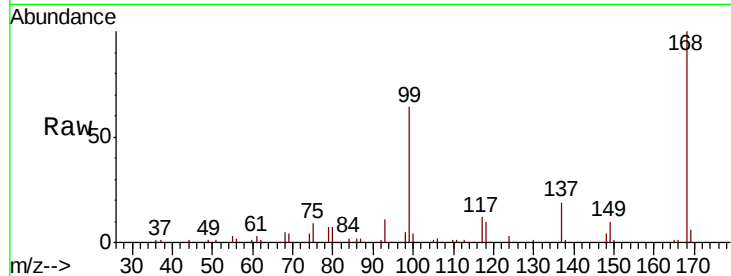
Tot Ion:117 Resp: 13604

Ion Ratio Lower Upper

117 100

119 4.2 74.8 112.2#

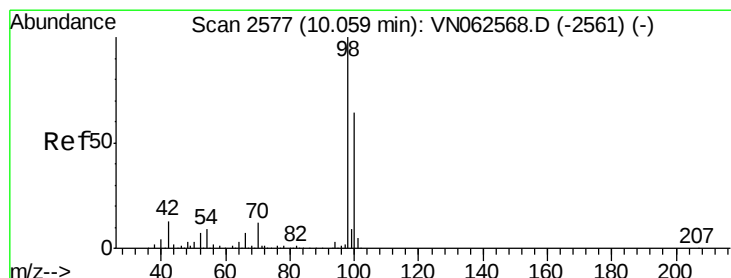
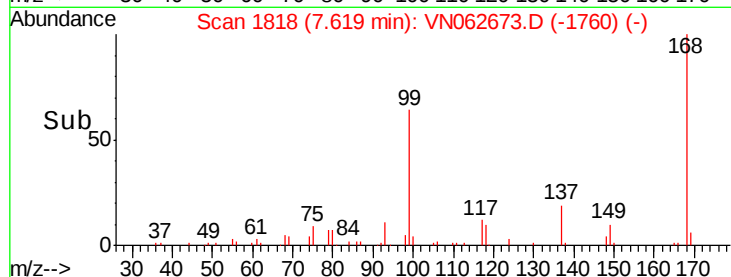
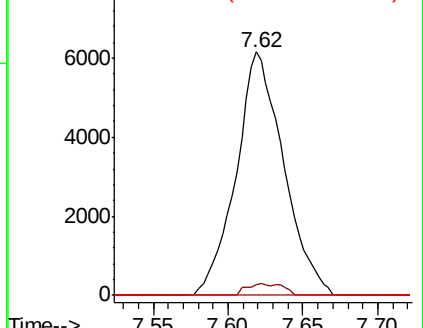
121 0.0 23.0 34.6#



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



#50

Toluene-d8

Concen: 50.460 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062673.D

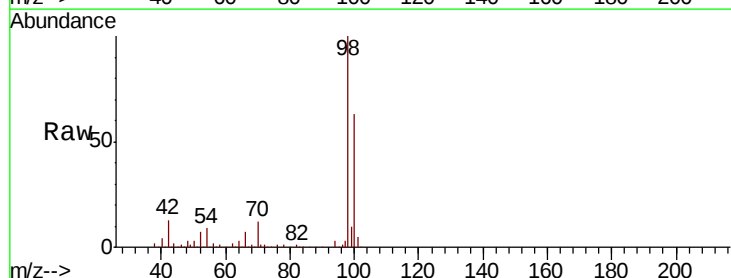
Acq: 31 Jul 2020 9:56

Tgt Ion: 98 Resp: 290507

Ion Ratio Lower Upper

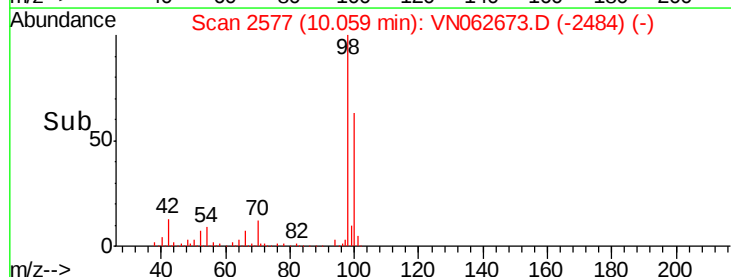
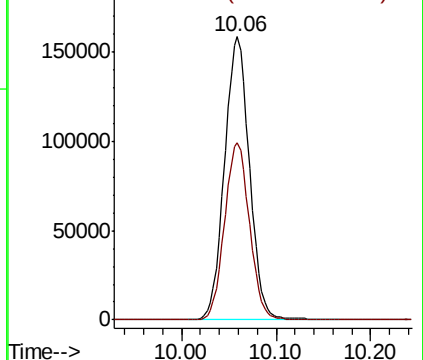
98 100

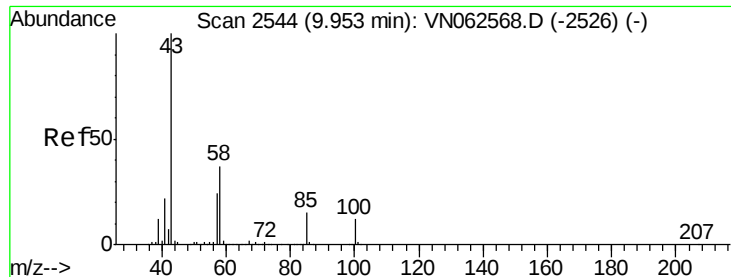
100 62.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

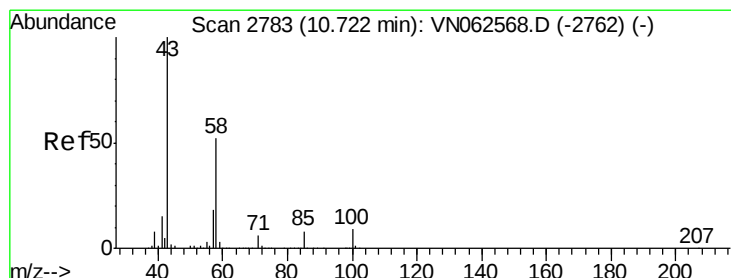
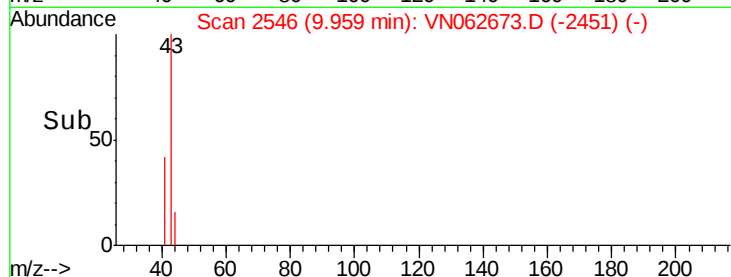
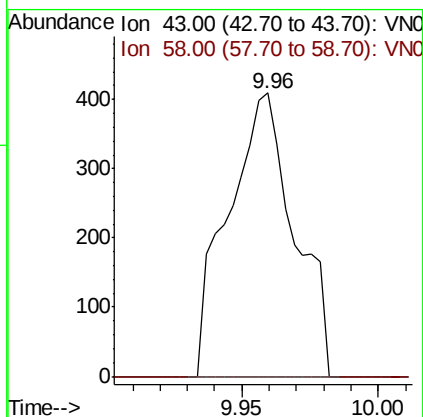
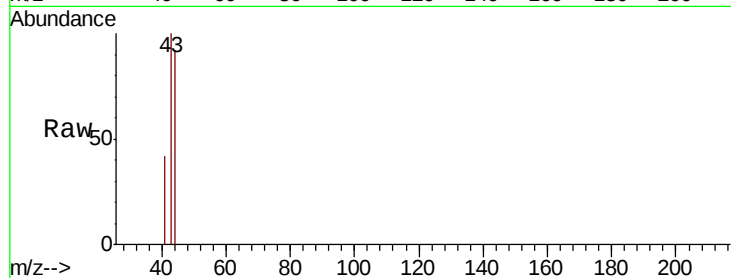




#51
4-Methyl-2-Pentanone
Concen: 0.282 ug/l
RT: 9.96 min Scan# 2546
Delta R.T. 0.01 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

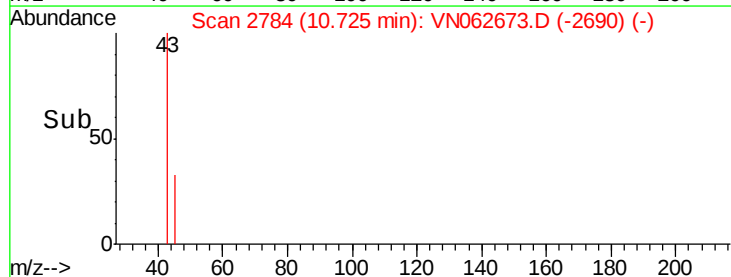
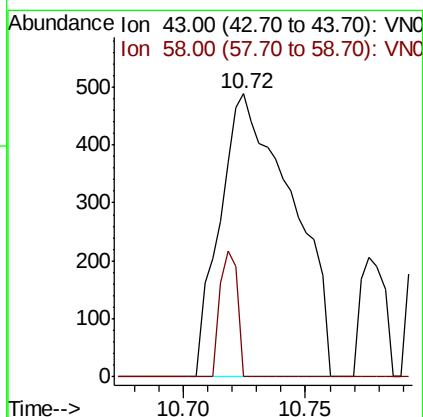
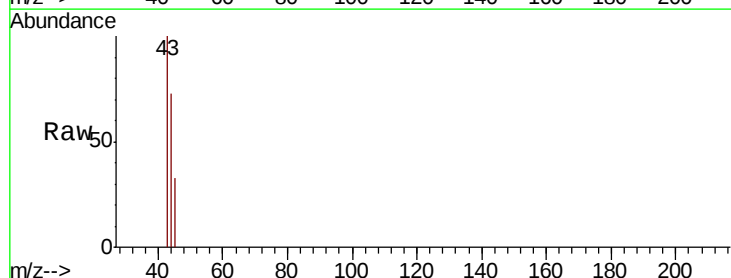
Instrument :
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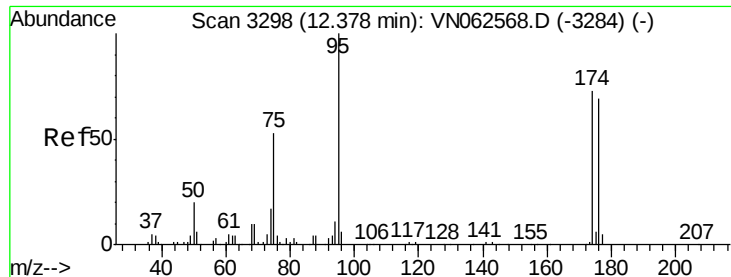
Tot Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.6#



#59
2-Hexanone
Concen: 3.482 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 11.0 26.0 78.0#

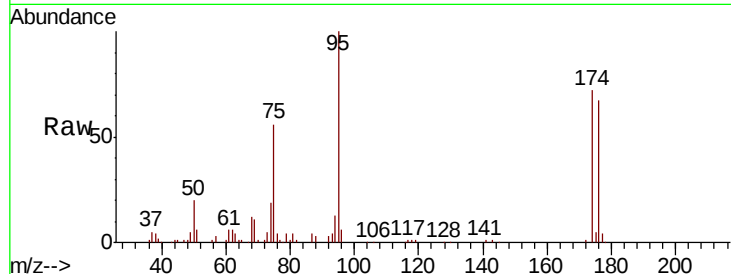




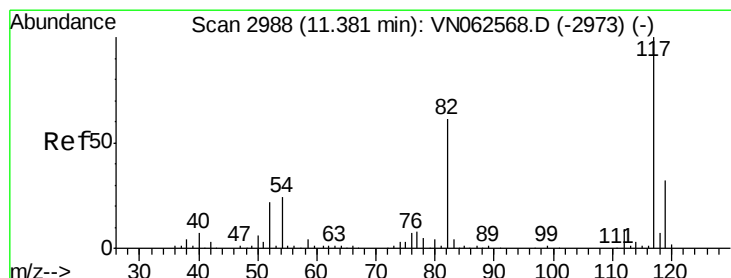
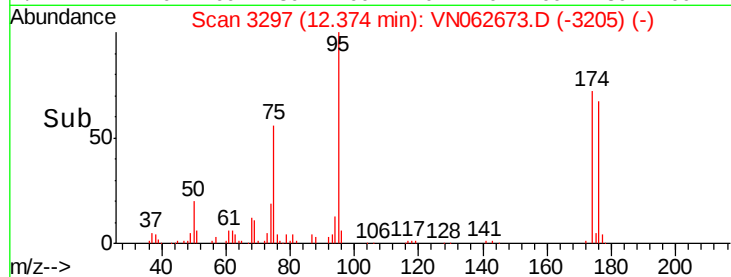
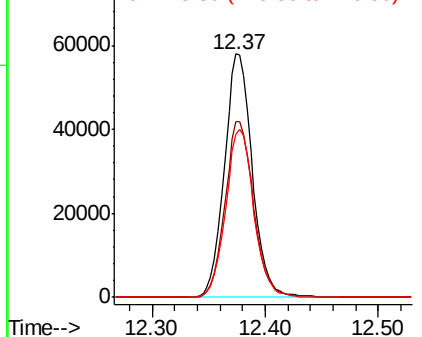
#62
4-Bromofluorobenzene
Concen: 47.220 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0731MBL01

Tot Ion: 95 Resp: 99402
Ion Ratio Lower Upper
95 100
174 73.7 0.0 144.6
176 69.4 0.0 139.4

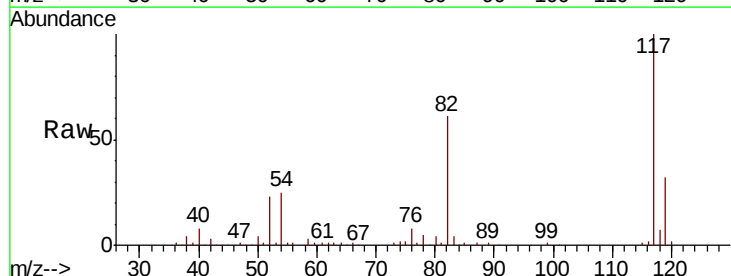


Abundance Ion 94.90 (94.60 to 95.60): VN062568.D (-3284) (-)
Ion 173.80 (173.50 to 174.50): VN062568.D (-3284) (-)
Ion 175.80 (175.50 to 176.50): VN062568.D (-3284) (-)

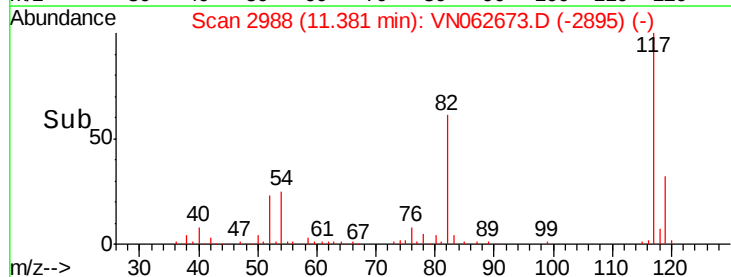
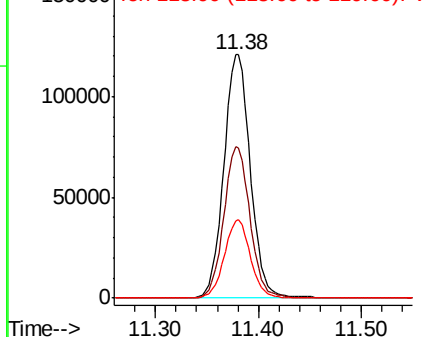


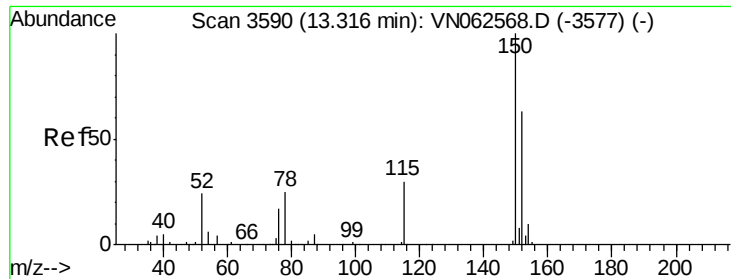
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

Tgt Ion: 117 Resp: 216284
Ion Ratio Lower Upper
117 100
82 61.5 49.0 73.6
119 32.2 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN062568.D (-2973) (-)
Ion 82.00 (81.70 to 82.70): VN062568.D (-2973) (-)
Ion 118.90 (118.60 to 119.60): VN062568.D (-2973) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062673.D

Acq: 31 Jul 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0731MBL01

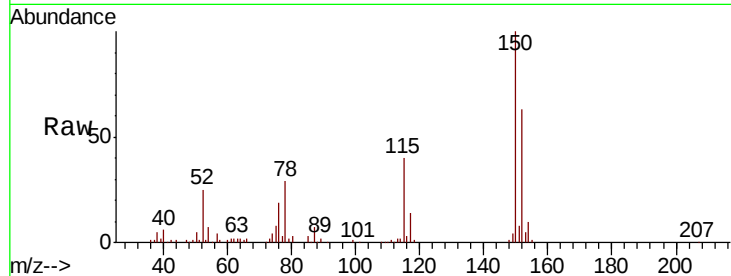
Tot Ion:152 Resp: 71651

Ion Ratio Lower Upper

152 100

115 62.4 31.8 95.4

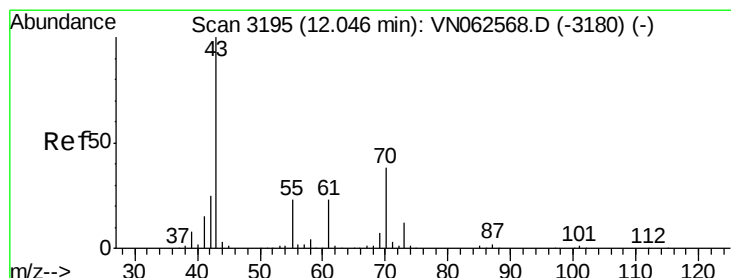
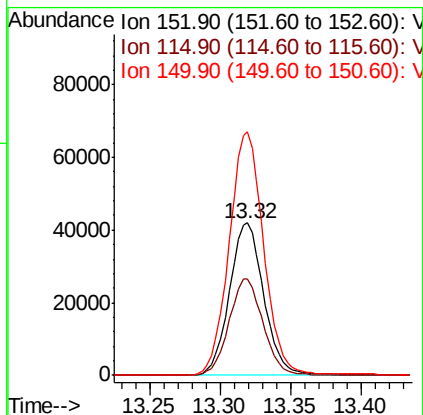
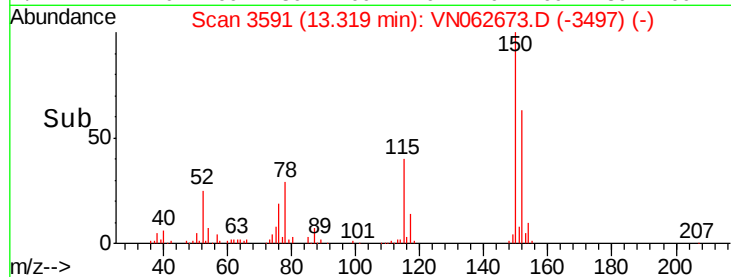
150 160.4 0.0 351.4



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: 0.213 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062673.D

Acq: 31 Jul 2020 9:56

Tgt Ion: 43 Resp: 538

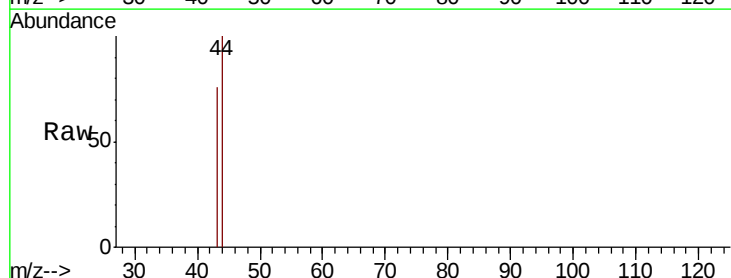
Ion Ratio Lower Upper

43 100

70 0.0 30.5 45.7#

55 0.0 19.0 28.6#

61 0.0 18.4 27.6#

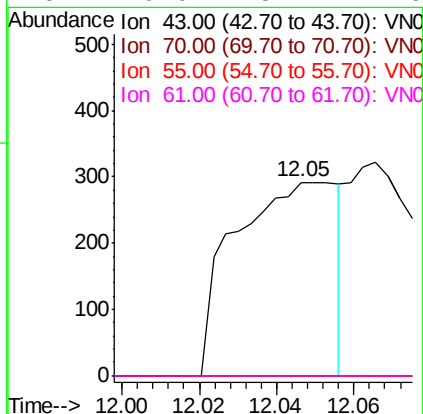
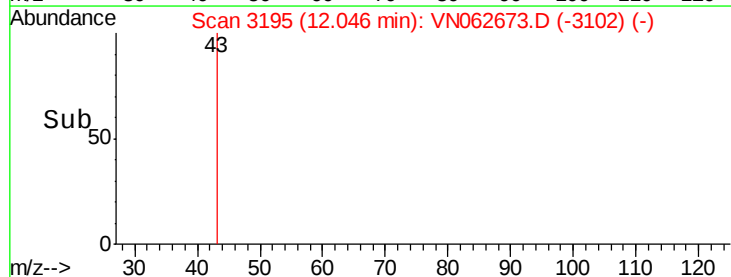


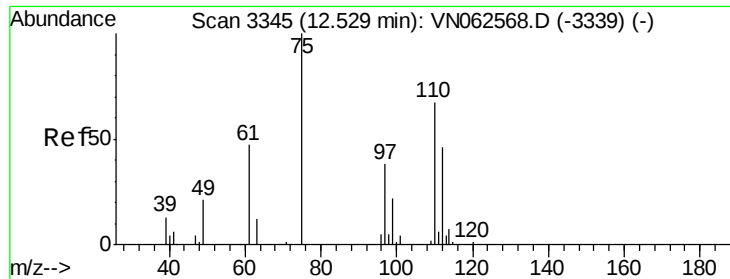
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

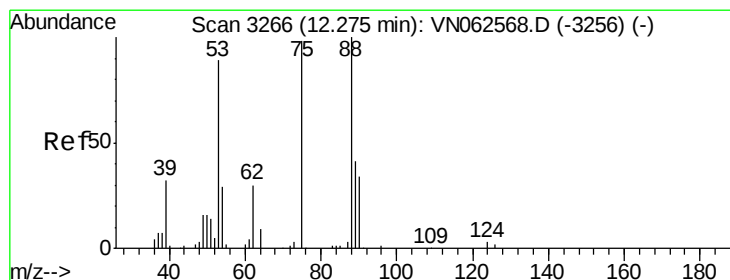
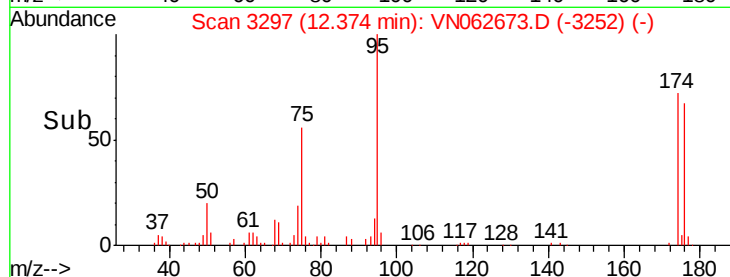
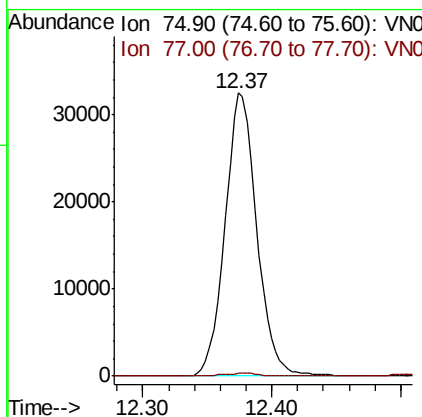
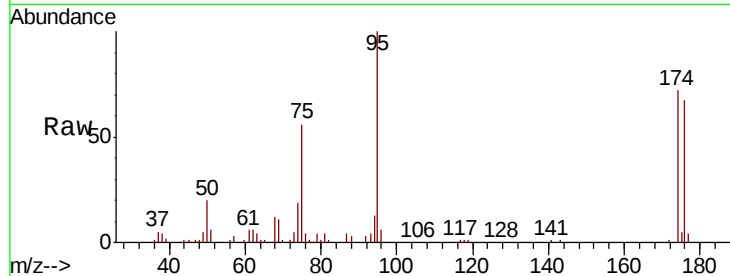




#76
 1,2,3-Trichloropropane
 Concen: 30.344 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. -0.15 min
 Lab File: VN062673.D
 Acq: 31 Jul 2020 9:56

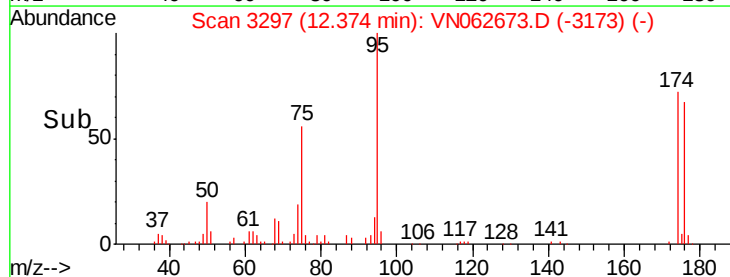
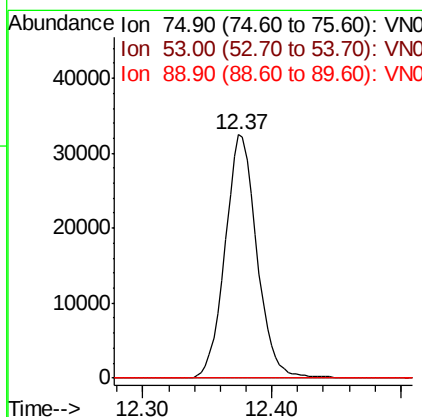
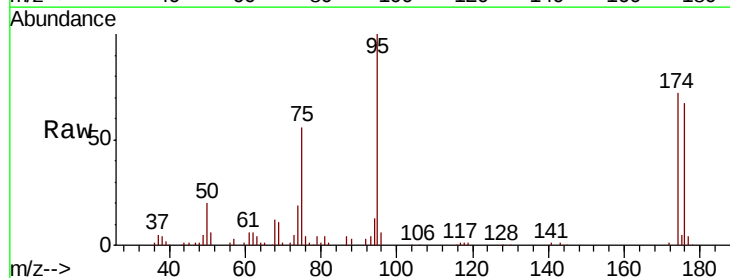
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731MBL01

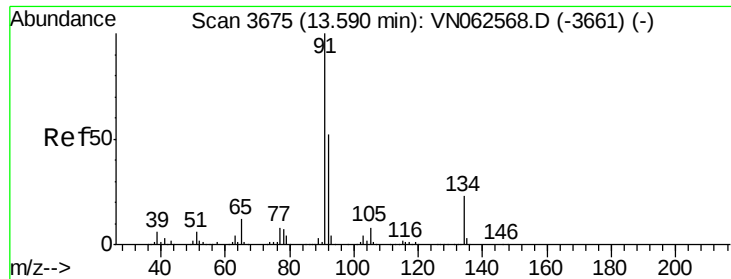
Tot Ion: 75 Resp: 55341
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.471 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN062673.D
 Acq: 31 Jul 2020 9:56

Tgt Ion: 75 Resp: 55341
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

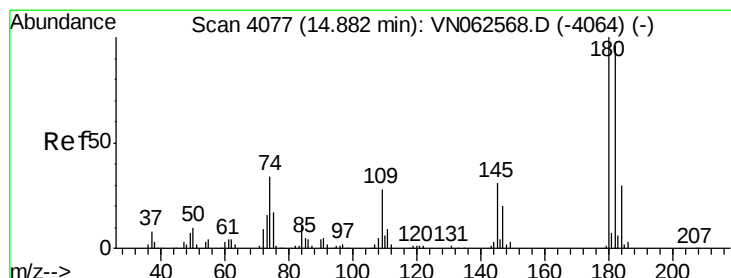
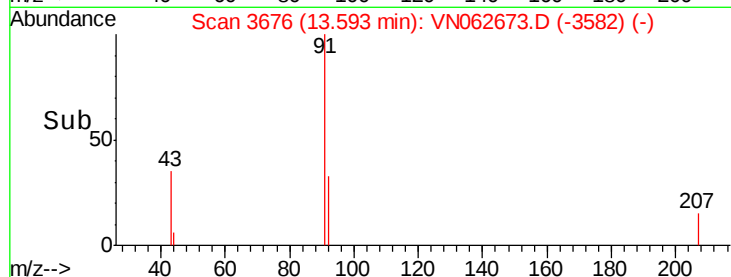
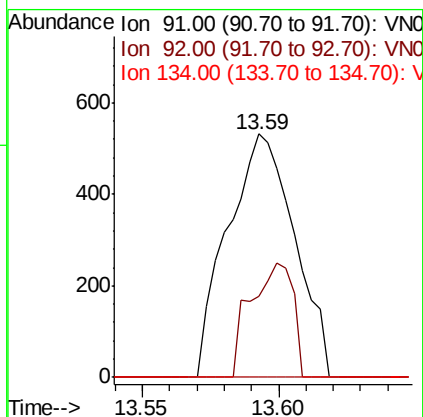
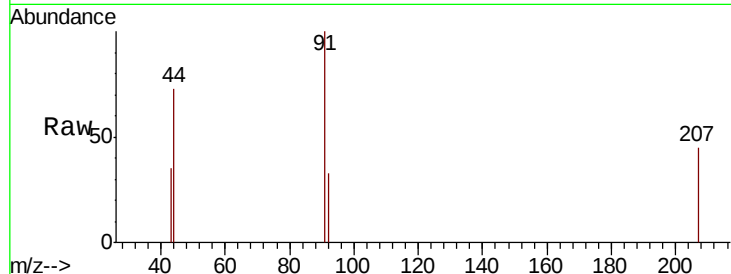




#89
n-Butylbenzene
Concen: 0.234 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

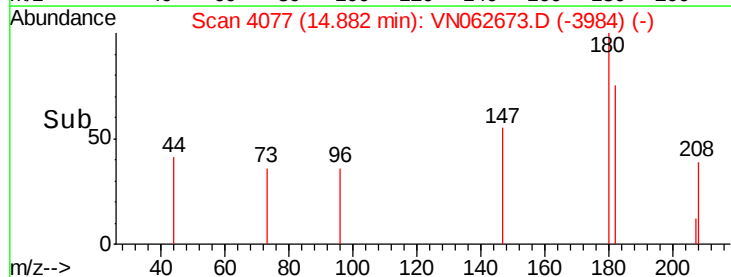
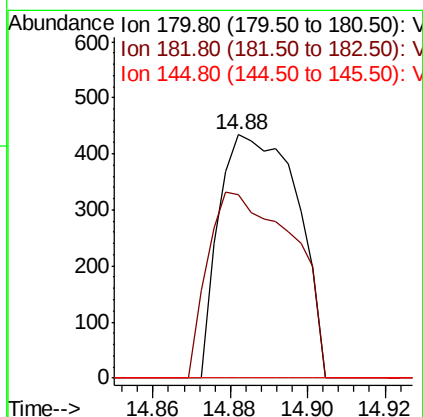
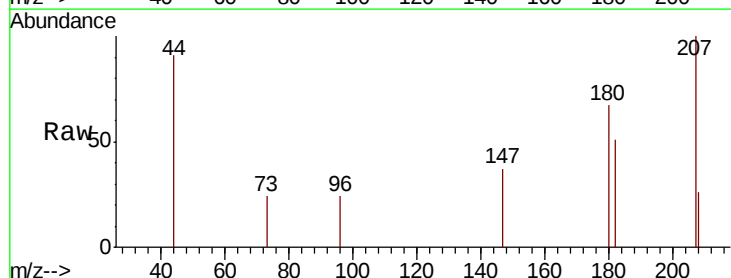
Instrument :
MSVOA_N
ClientSampleId :
VN0731MBL01

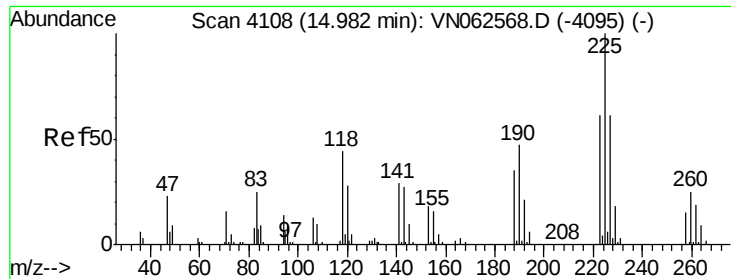
Tot Ion: 91 Resp: 904
Ion Ratio Lower Upper
91 100
92 29.8 25.8 77.3
134 0.0 11.8 35.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.579 ug/l
RT: 14.88 min Scan# 4077
Delta R.T. 0.00 min
Lab File: VN062673.D
Acq: 31 Jul 2020 9:56

Tgt Ion: 180 Resp: 609
Ion Ratio Lower Upper
180 100
182 83.7 47.8 143.3
145 0.0 15.3 45.9#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.99 min Scan# 4110

Delta R.T. 0.01 min

Lab File: VN062673.D

Acq: 31 Jul 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0731MBL01

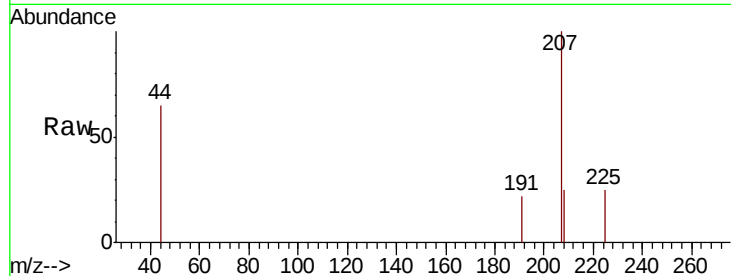
Tot Ion:225 Resp: 94

Ion Ratio Lower Upper

225 100

223 0.0 32.0 96.0#

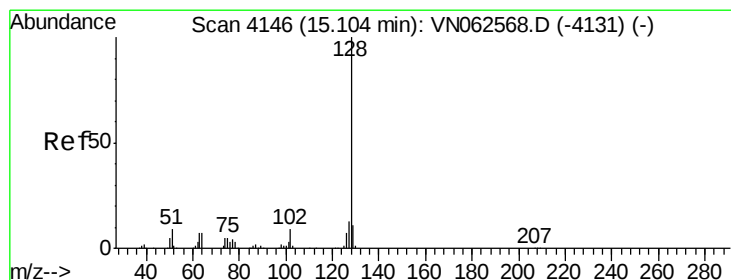
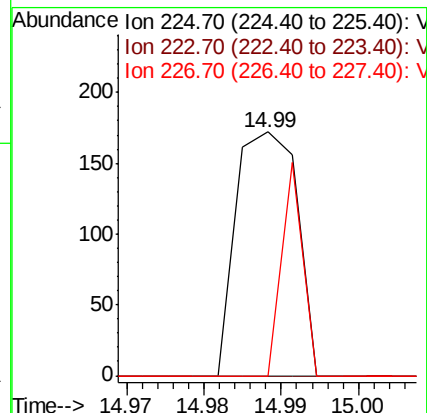
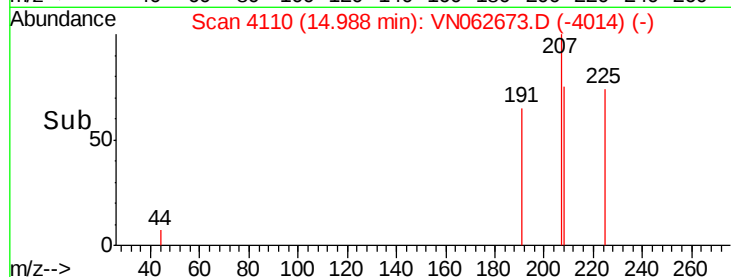
227 30.9 31.1 93.2#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.799 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062673.D

Acq: 31 Jul 2020 9:56

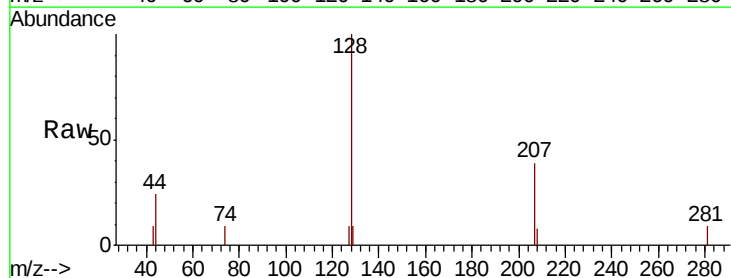
Tgt Ion:128 Resp: 3574

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

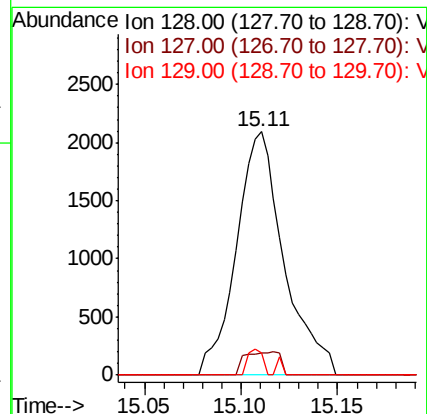
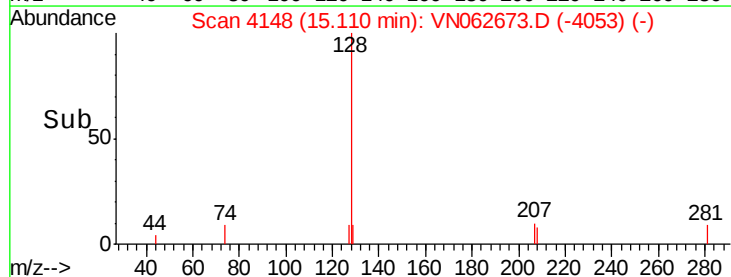
129 3.3 8.7 13.1#

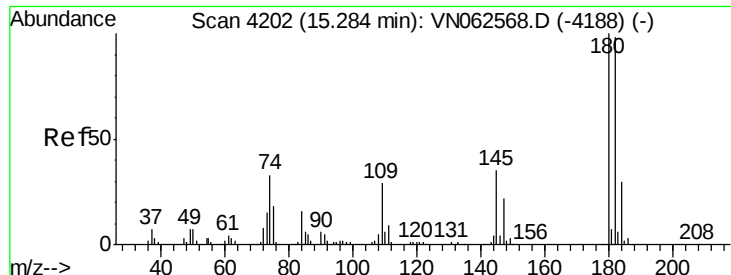


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.430 ug/l
 RT: 15.28 min Scan# 4201
 Delta R.T. -0.00 min
 Lab File: VN062673.D
 Acq: 31 Jul 2020 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731MBL01

Tot Ion:180 Resp: 463
 Ion Ratio Lower Upper
 180 100
 182 182.9 48.1 144.3#
 145 13.8 16.7 50.1#

