

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063973.D
 Acq On : 8 Oct 2020 4:53
 Operator : JC/MD
 Sample : L4292-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 08 06:51:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	236836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	436076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	444525	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178380	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	203740	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	7.55	113	147156	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	10.06	98	553920	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.38	95	211203	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

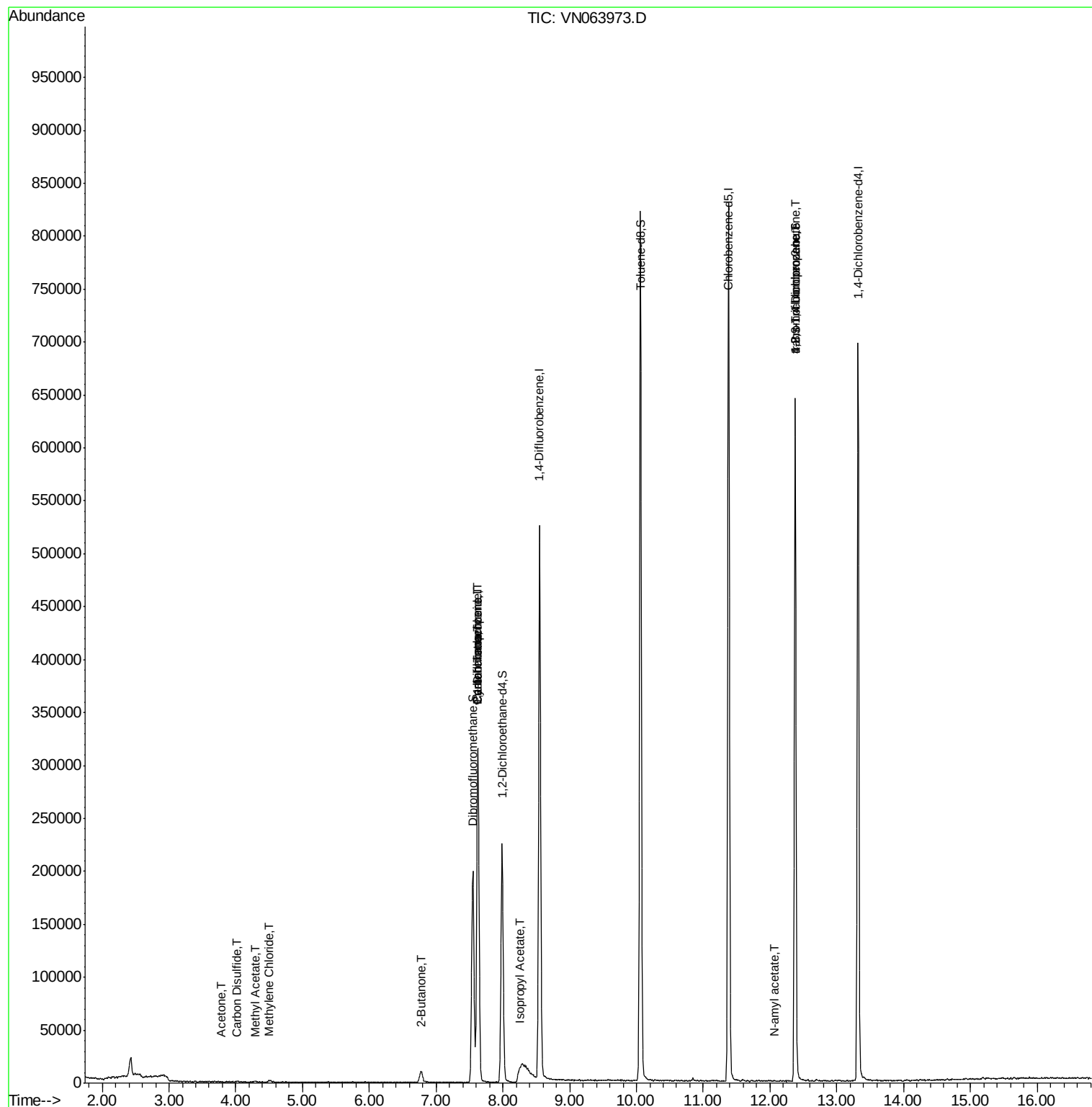
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.77	43	267	0.222	ug/l #	47
17) Carbon Disulfide	4.01	76	614	0.795	ug/l #	76
18) Methyl Acetate	4.29	43	919	0.294	ug/l #	54
20) Methylene Chloride	4.50	84	1030	0.471	ug/l #	90
25) 2-Butanone	6.78	43	390	0.228	ug/l #	51
31) Cyclohexane	7.63	56	6019	1.325	ug/l #	33
36) 1,1-Dichloropropene	7.62	75	20710	4.688	ug/l #	51
38) Carbon Tetrachloride	7.62	117	25615	5.171	ug/l #	14
43) Isopropyl Acetate	8.24	43	7853	1.085	ug/l #	64
74) N-amyl acetate	12.06	43	65	2.226	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	117718	29.937	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117718	86.223	ug/l #	6

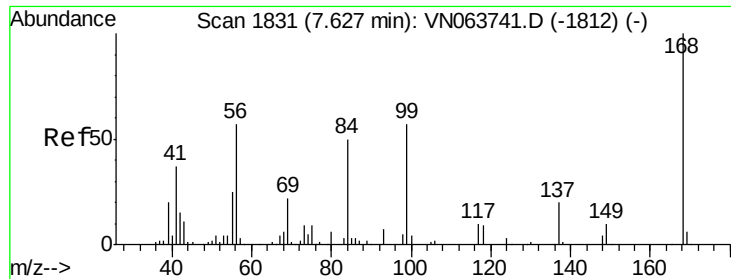
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Instrument :

MSVOA_N

ClientSampleId :

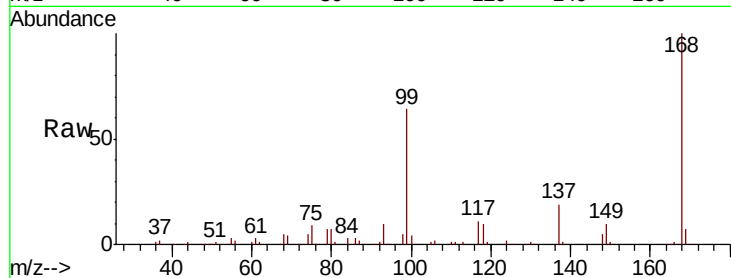
TRIP-BLANK

Tot Ion:168 Resp: 236836

Ion Ratio Lower Upper

168 100

99 63.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

100000

80000

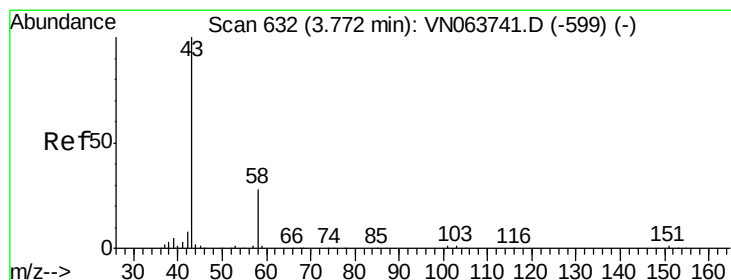
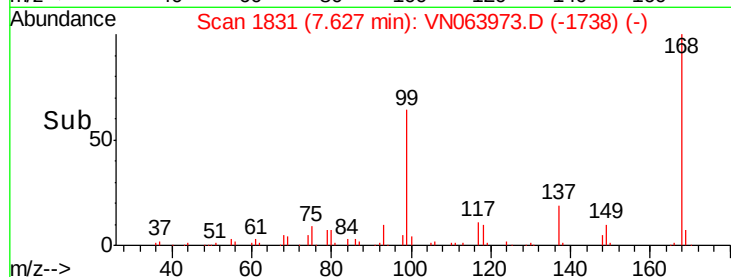
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 0.222 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063973.D

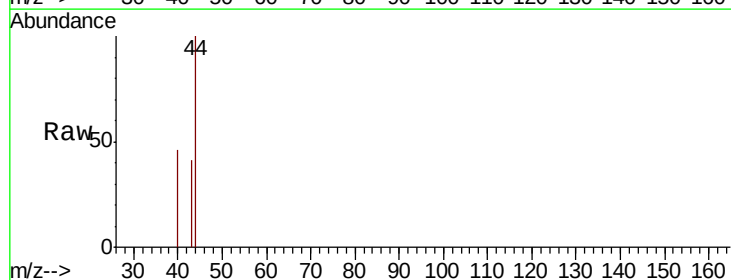
Acq: 8 Oct 2020 4:53

Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN063741.D (-599) (-)

3.77

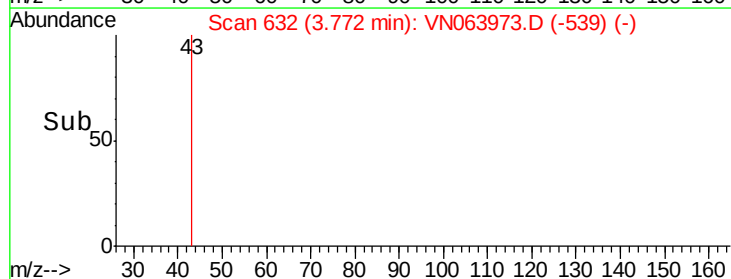
300

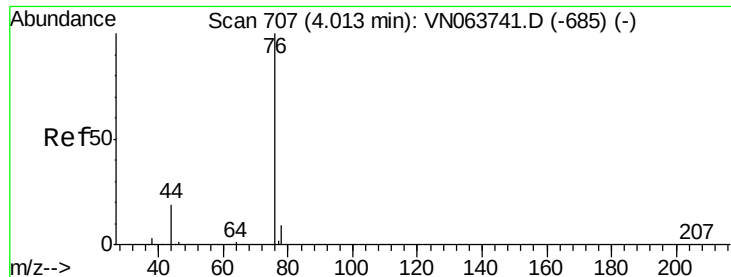
200

100

0

Time--> 3.74 3.75 3.76 3.77 3.78





#17

Carbon Disulfide

Concen: 0.795 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Instrument :

MSVOA_N

ClientSampleId :

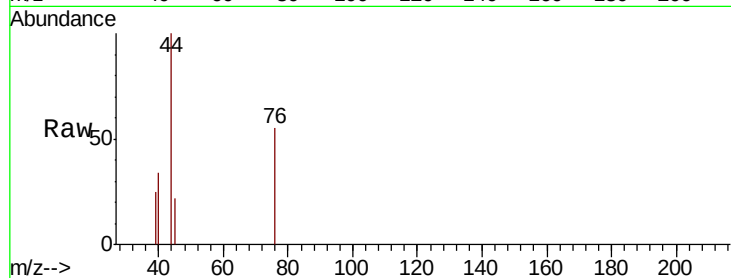
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Tot Ion: 76 Resp: 614

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

400

300

200

100

0

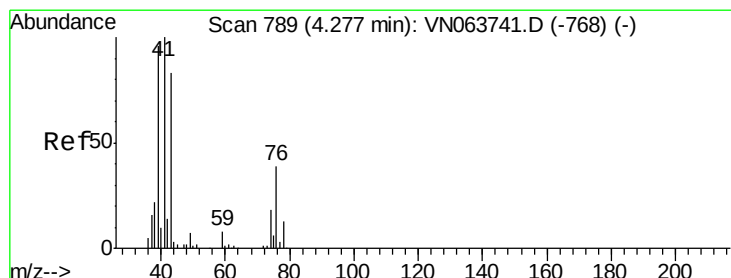
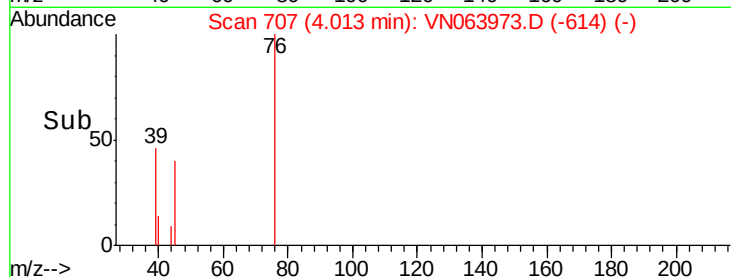
3.98

4.00

4.02

4.04

Time-->



#18

Methyl Acetate

Concen: 0.294 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063973.D

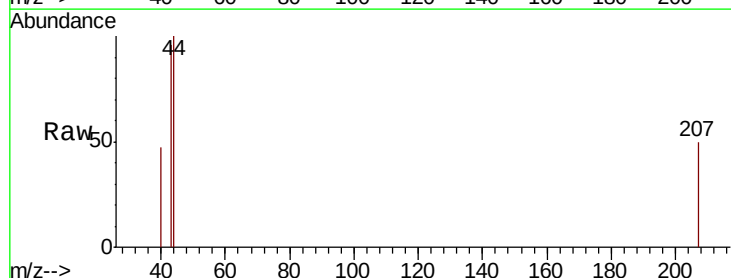
Acq: 8 Oct 2020 4:53

Tgt Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

600

500

400

300

200

100

0

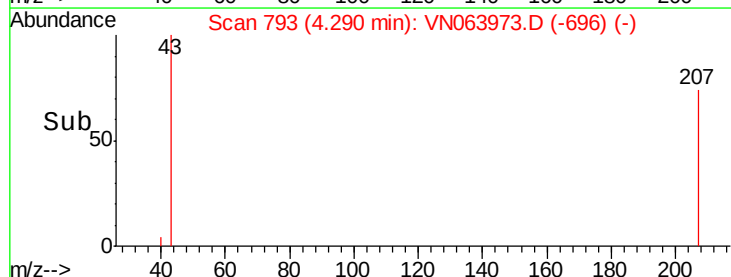
4.24

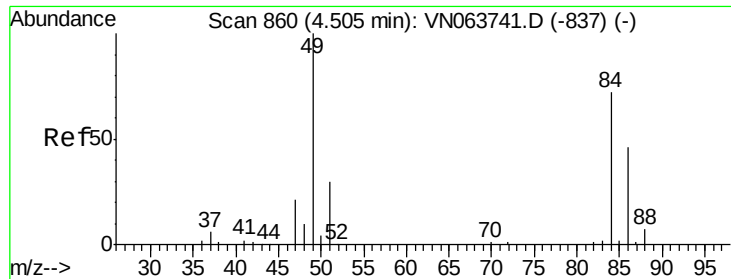
4.26

4.28

4.30

Time-->

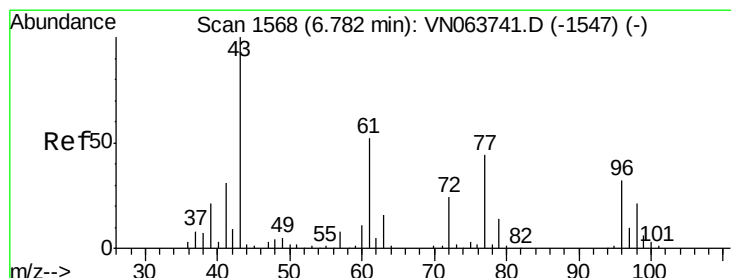
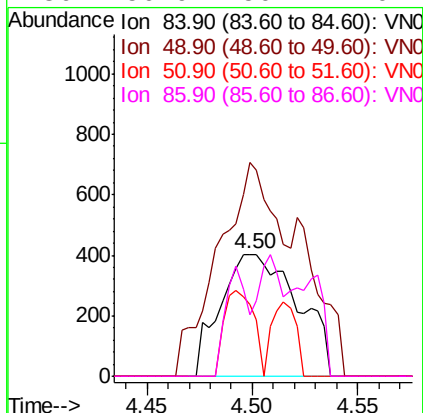
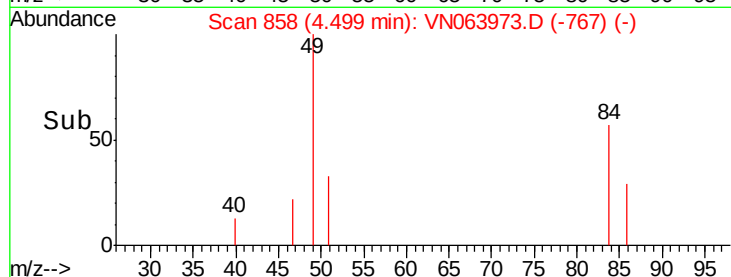
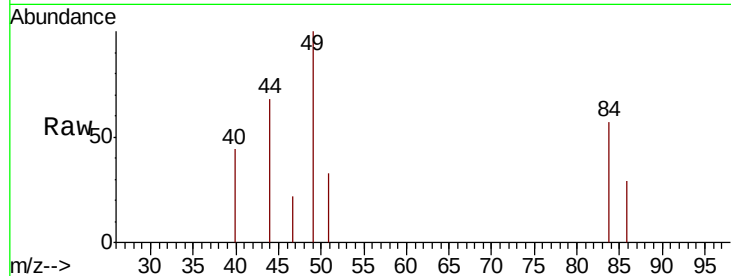




#20
Methvlene Chloride
Concen: 0.471 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

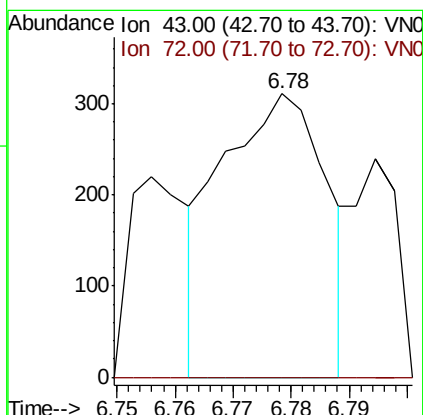
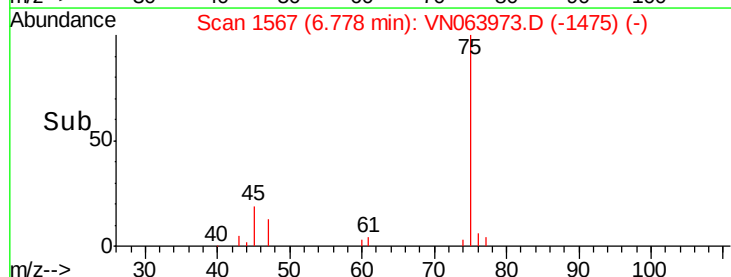
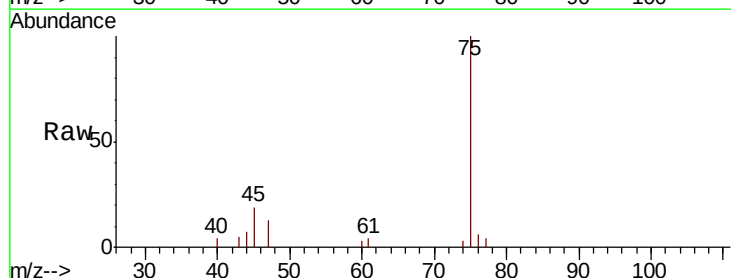
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

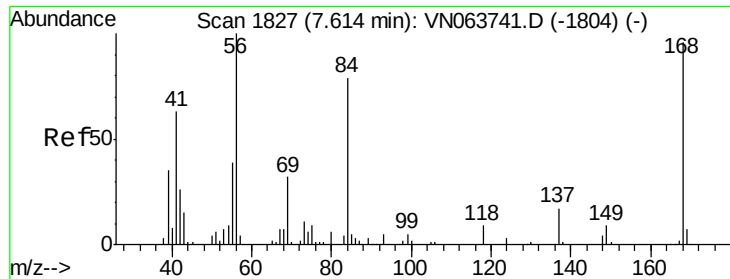
Tot Ion: 84 Resp: 1030
Ion Ratio Lower Upper
84 100
49 135.0 110.4 165.6
51 58.6 33.3 49.9#
86 50.9 50.7 76.1



#25
2-Butanone
Concen: 0.228 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#

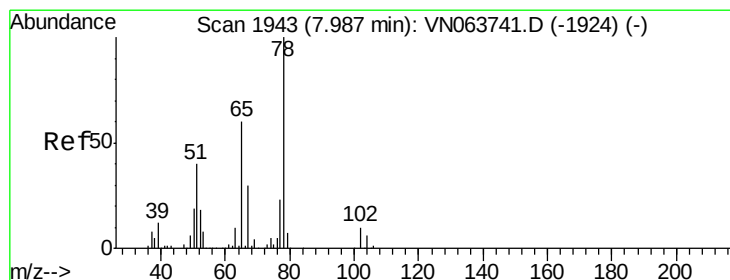
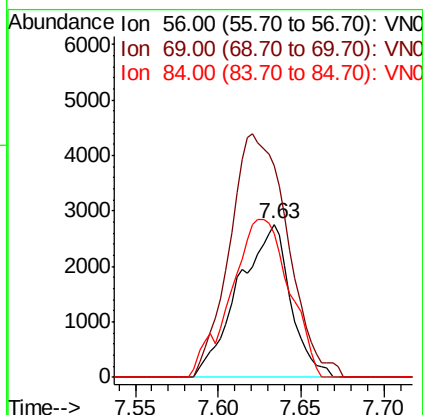
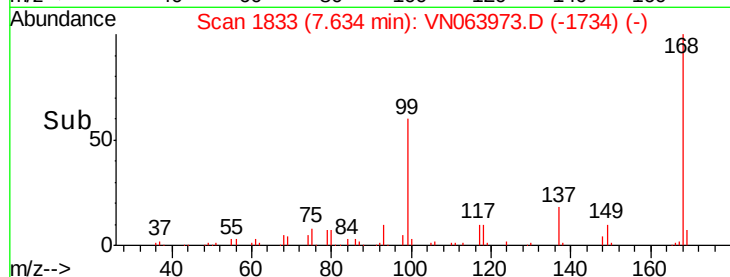
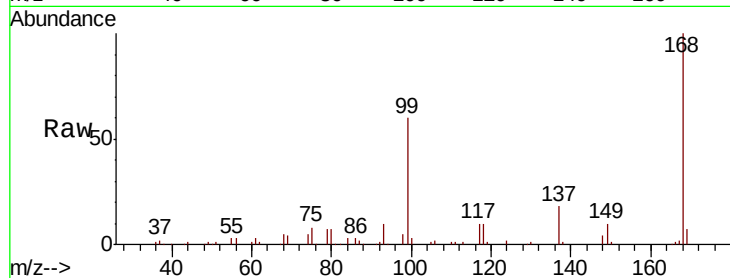




#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.63 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

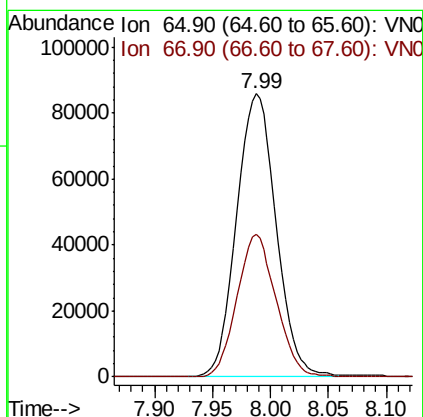
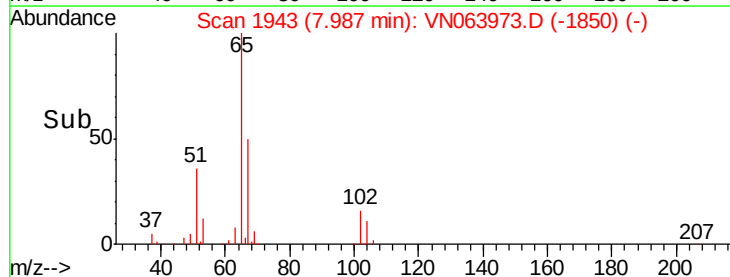
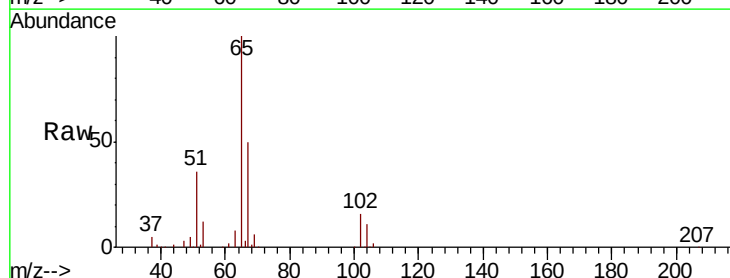
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

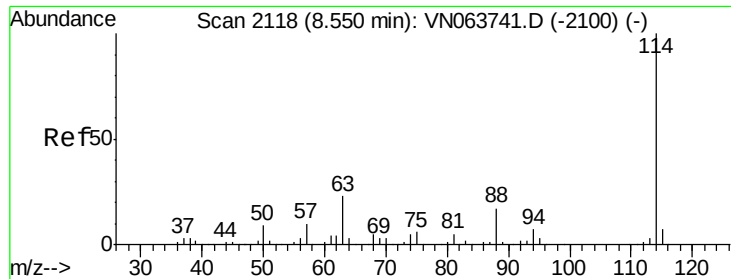
Tot Ion: 56 Resp: 6019
Ion Ratio Lower Upper
56 100
69 138.4 25.4 38.2#
84 94.1 63.3 94.9



#33
1,2-Dichloroethane-d4
Concen: 52.072 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

Tgt Ion: 65 Resp: 203740
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.6

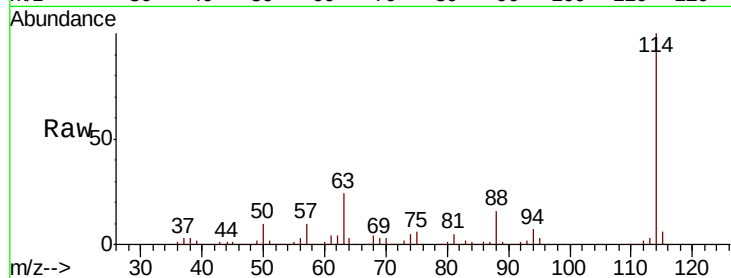




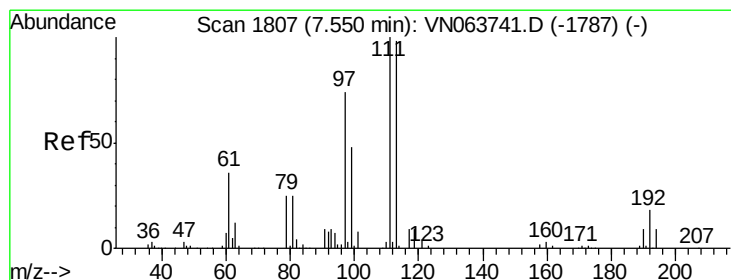
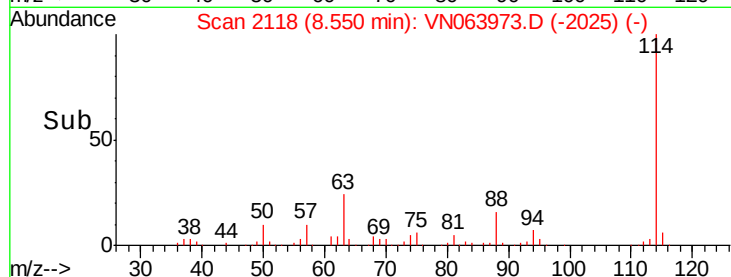
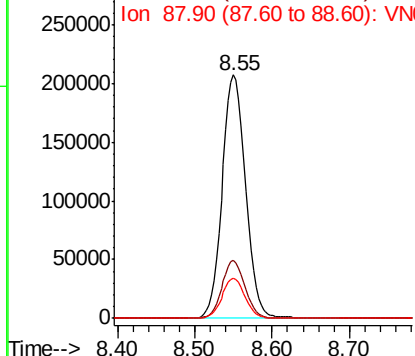
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion:114 Resp: 436076
Ion Ratio Lower Upper
114 100
63 23.8 0.0 45.0
88 16.3 0.0 34.0

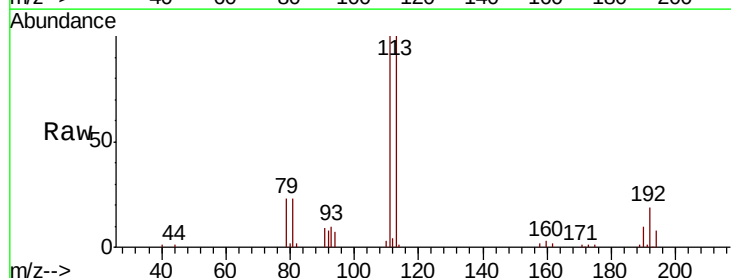


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

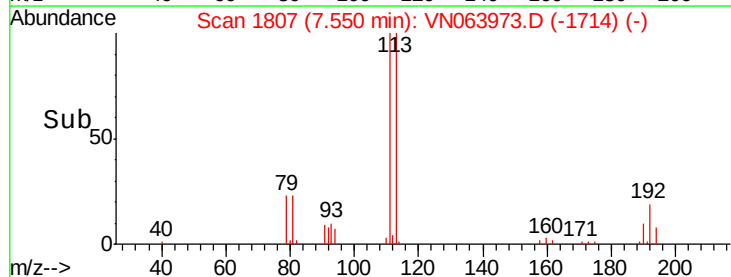
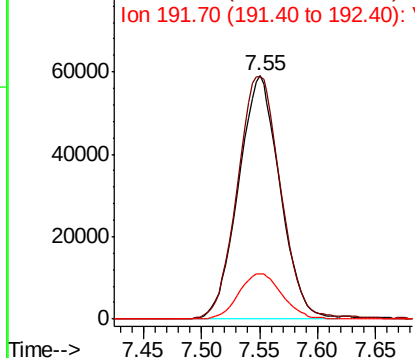


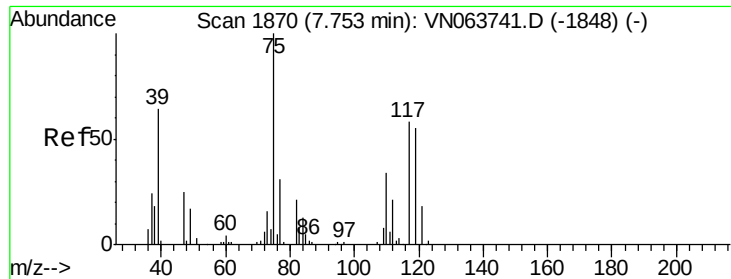
#35
Dibromofluoromethane
Concen: 48.633 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

Tgt Ion:113 Resp: 147156
Ion Ratio Lower Upper
113 100
111 104.4 81.8 122.8
192 19.4 14.2 21.2



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: 4.688 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Instrument :

MSVOA_N

ClientSampleId :

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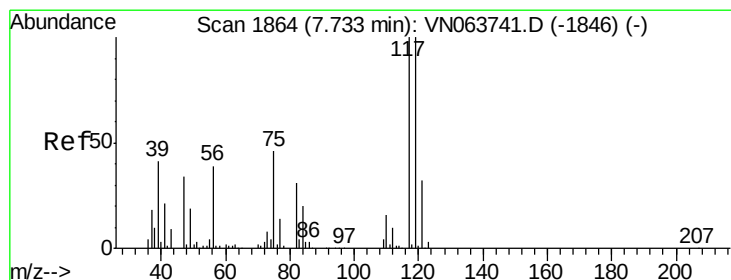
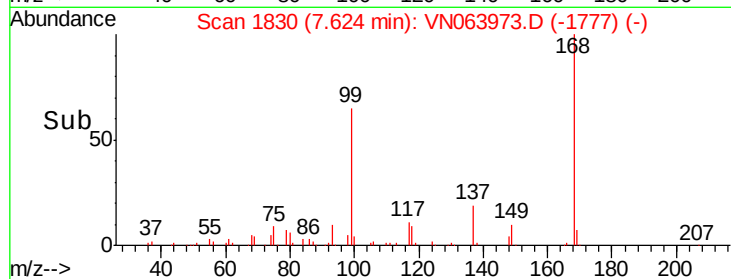
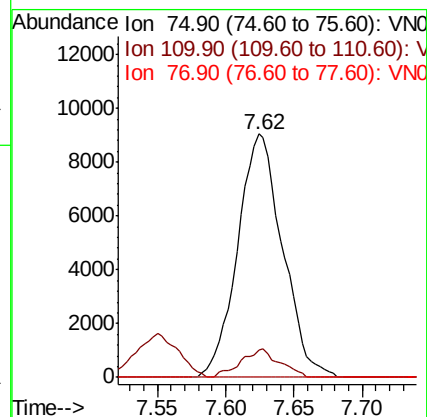
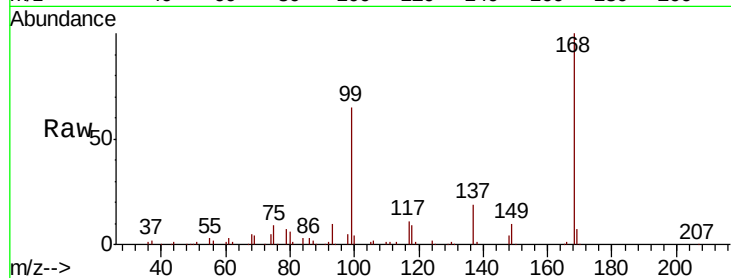
Tot Ion: 75 Resp: 20710

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.171 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

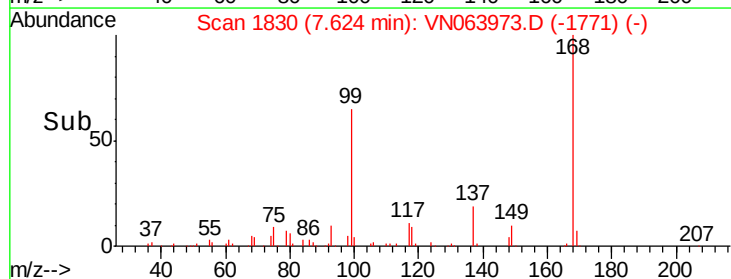
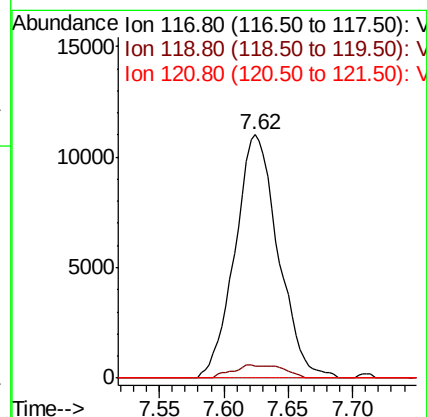
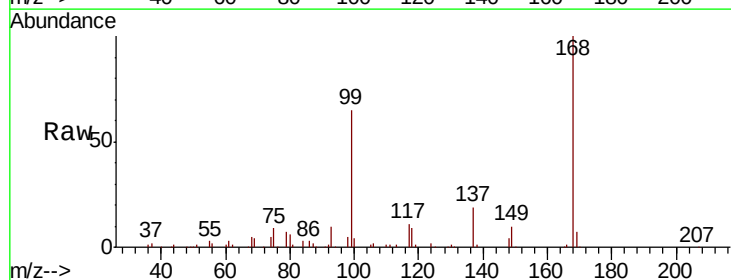
Tgt Ion:117 Resp: 25615

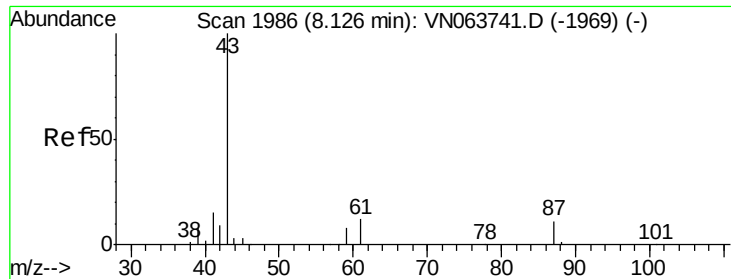
Ion Ratio Lower Upper

117 100

119 4.9 80.1 120.1#

121 0.0 25.7 38.5#





#43

Isopropyl Acetate

Concen: 1.085 ug/l

RT: 8.24 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Instrument :

MSVOA_N

ClientSampleId :

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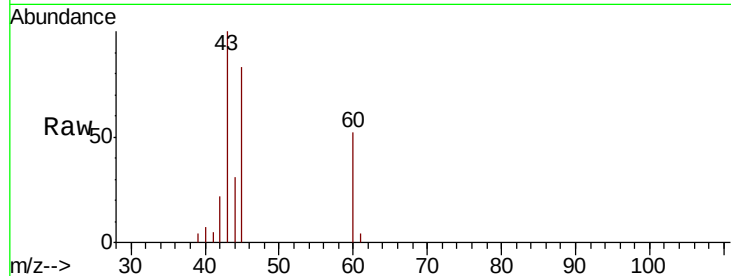
Tot Ion: 43 Resp: 7853

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

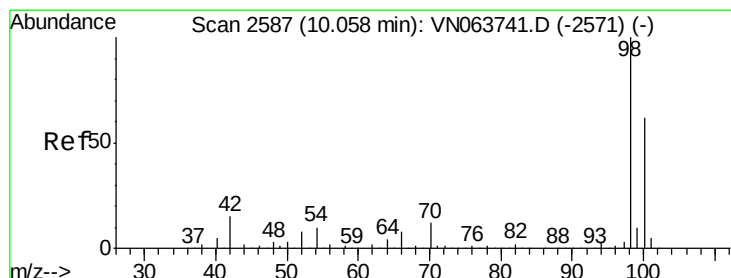
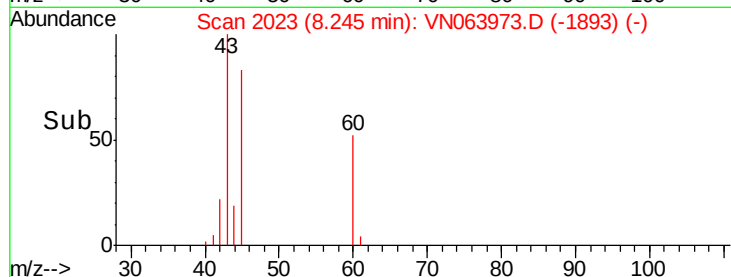
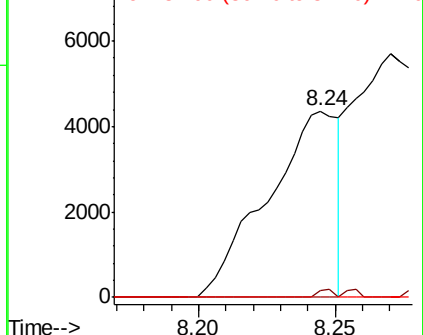
87 0.0 9.0 13.6#



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: 48.290 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063973.D

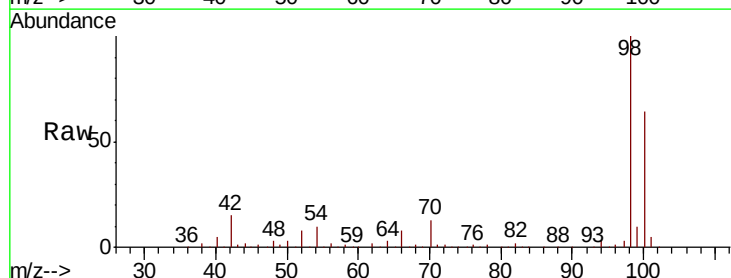
Acq: 8 Oct 2020 4:53

Tgt Ion: 98 Resp: 553920

Ion Ratio Lower Upper

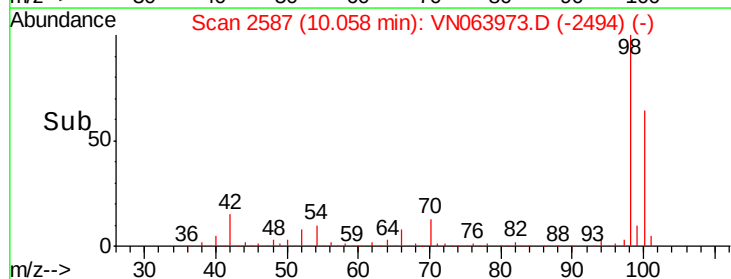
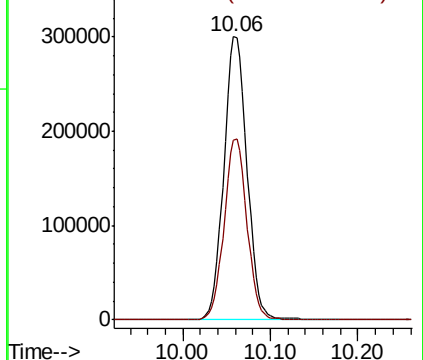
98 100

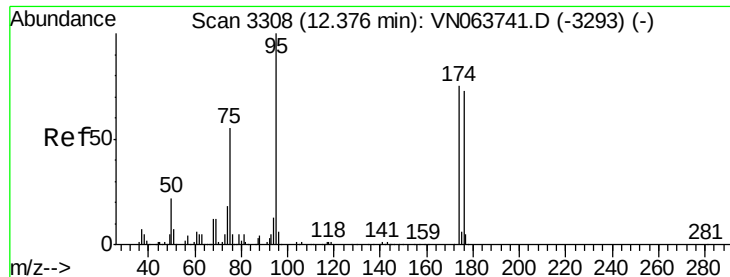
100 62.6 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

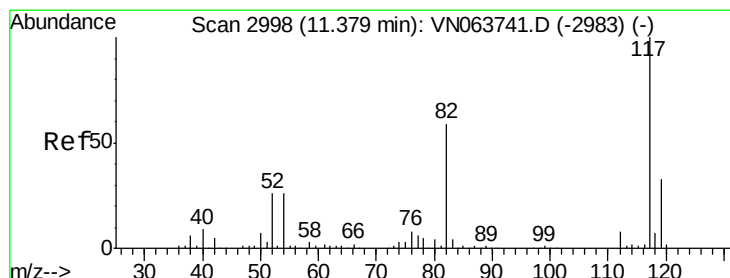
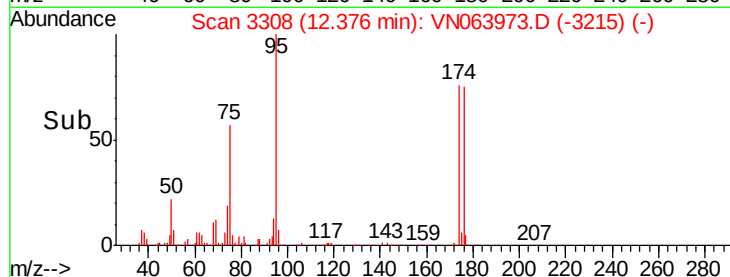
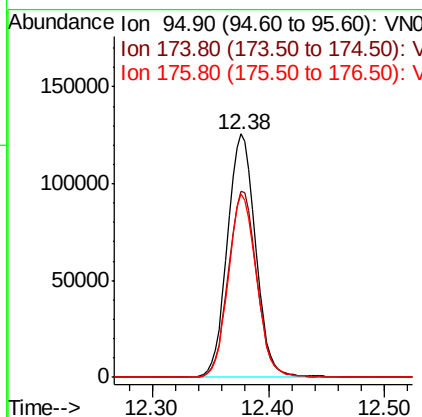
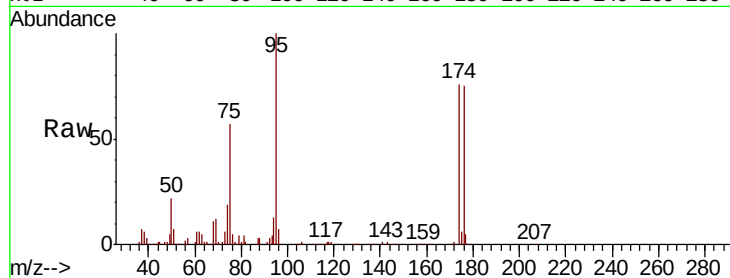




#62
4-Bromofluorobenzene
Concen: 48.981 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

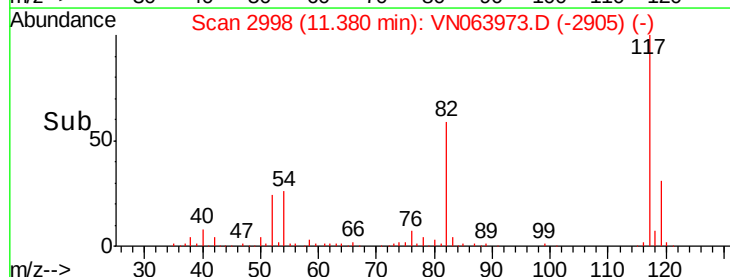
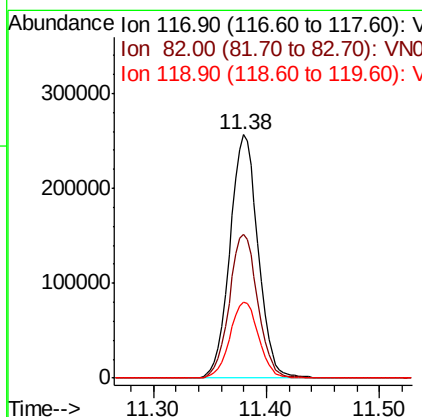
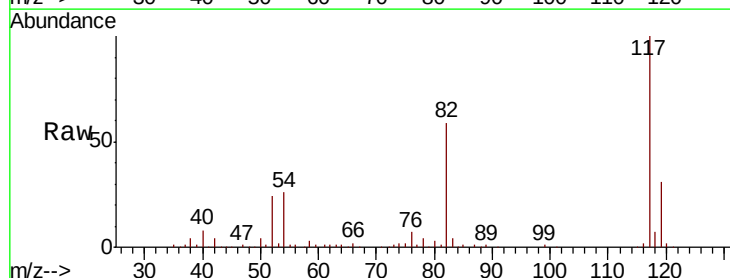
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

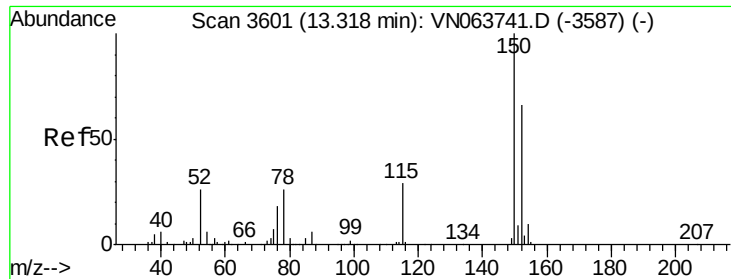
Tot Ion: 95 Resp: 211203
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.6
176 74.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063973.D
Acq: 8 Oct 2020 4:53

Tgt Ion: 117 Resp: 444525
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.2
119 31.2 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

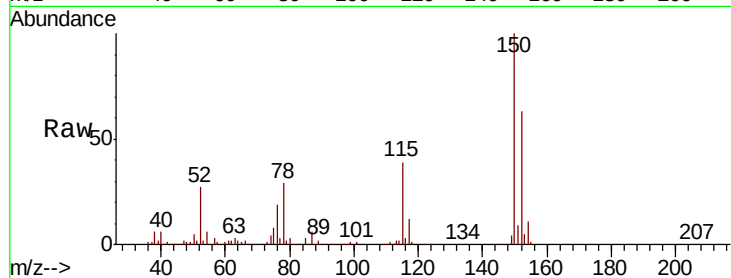
Tot Ion:152 Resp: 178380

Ion Ratio Lower Upper

152 100

115 61.9 31.3 93.8

150 157.0 0.0 341.8

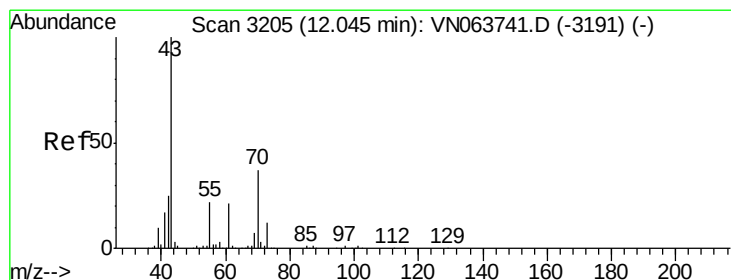
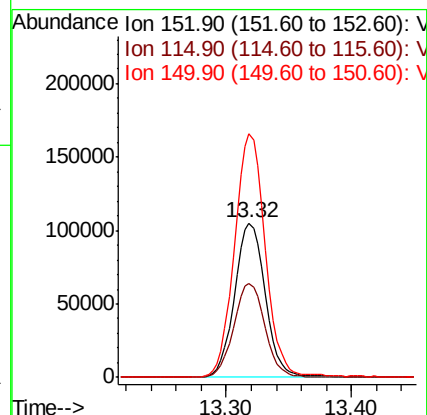
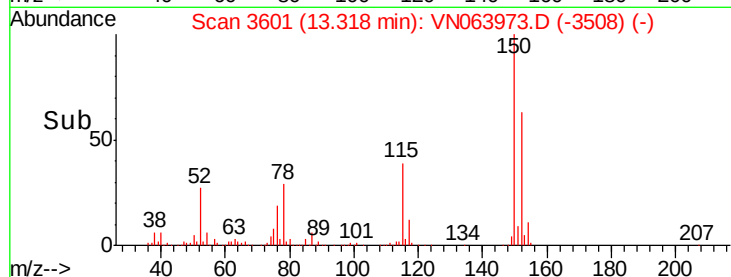


Abundance

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: 2.226 ug/l

RT: 12.06 min Scan# 3209

Delta R.T. 0.01 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Tgt Ion: 43 Resp: 65

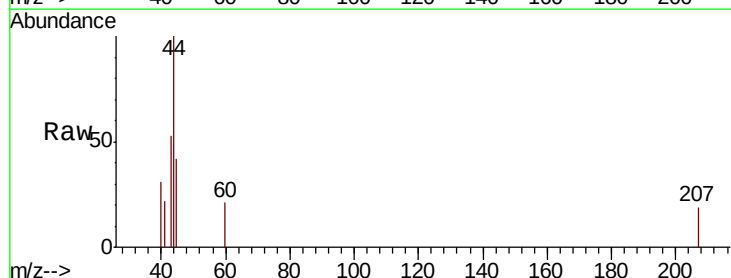
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



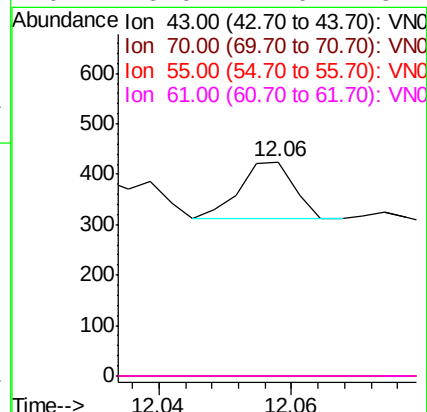
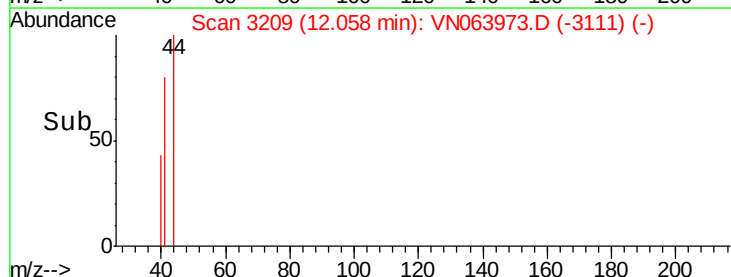
Abundance

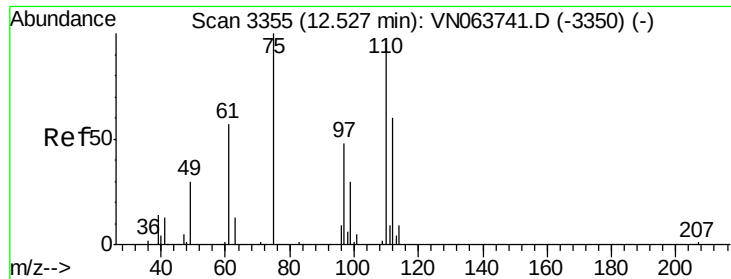
Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 29.937 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Instrument :

MSVOA_N

ClientSampled :

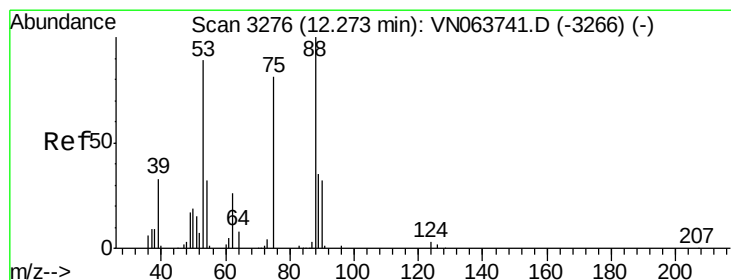
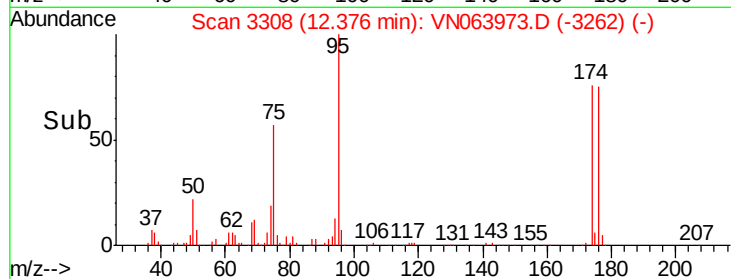
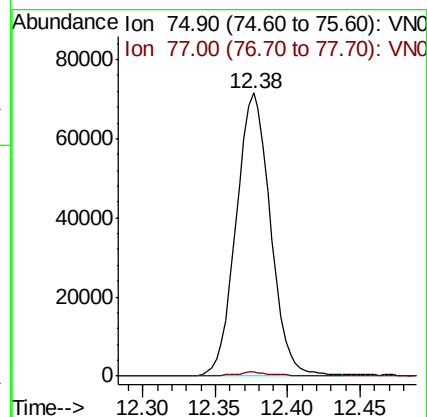
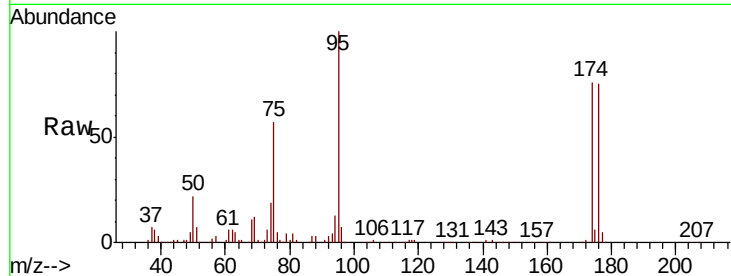
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Tot Ion: 75 Resp: 117718

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.223 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063973.D

Acq: 8 Oct 2020 4:53

Tgt Ion: 75 Resp: 117718

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#

