

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063974.D
 Acq On : 8 Oct 2020 5:17
 Operator : JC/MD
 Sample : L4292-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Oct 08 06:51:44 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	7.62	168	244193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	454084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	208112	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.55	113	148900	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.06	98	562382	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	12.38	95	216174	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

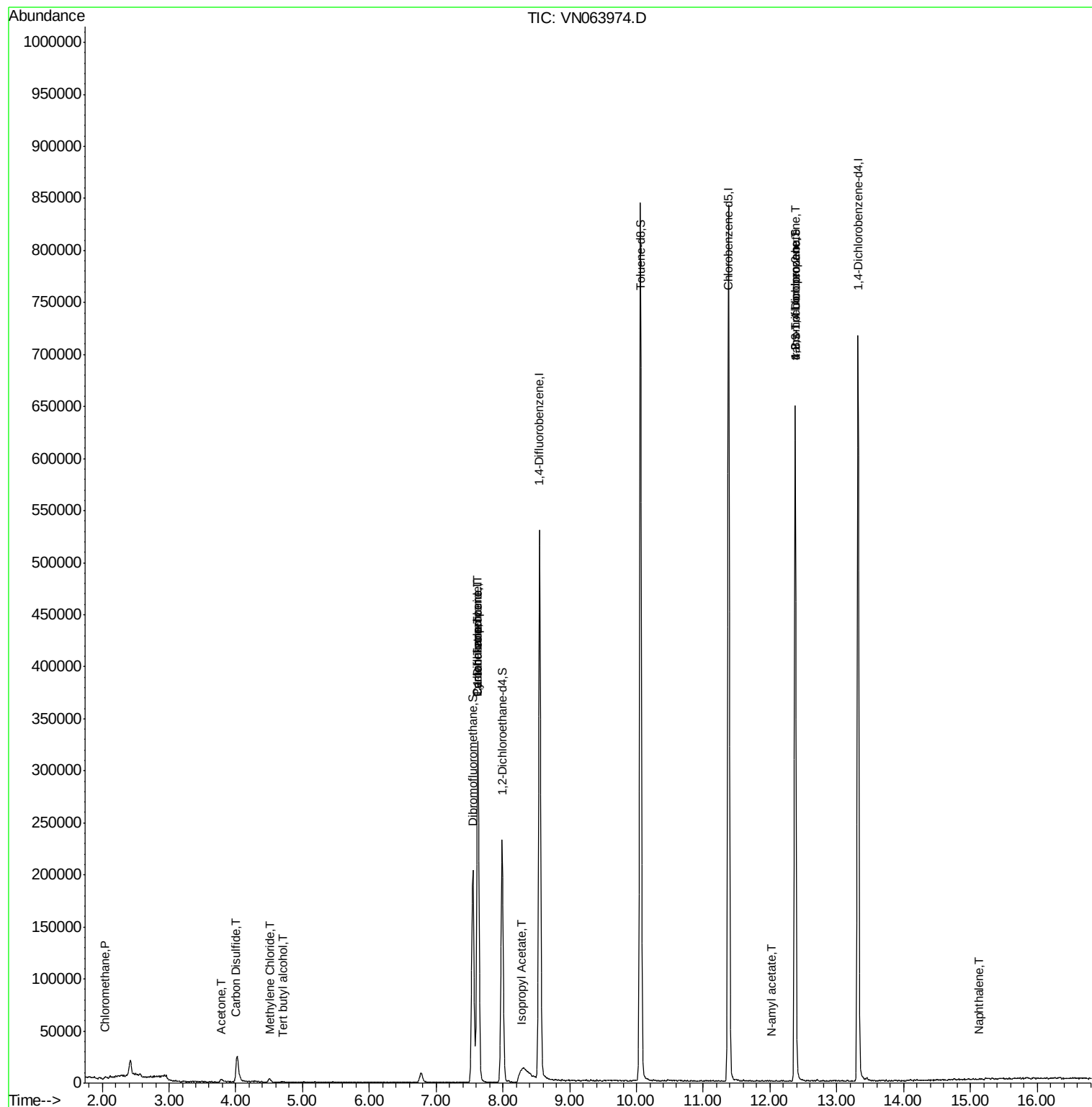
						Qvalue
3) Chloromethane	2.04	50	1010	0.334	ug/l #	76
11) Tert butyl alcohol	4.70	59	163	0.366	ug/l #	71
16) Acetone	3.78	43	5693	4.584	ug/l #	84
17) Carbon Disulfide	4.00	76	295	0.744	ug/l #	76
20) Methylene Chloride	4.51	84	2306	0.907	ug/l #	75
31) Cyclohexane	7.63	56	5860	1.251	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	21202	4.715	ug/l #	51
38) Carbon Tetrachloride	7.63	117	26532	5.262	ug/l #	15
43) Isopropyl Acetate	8.28	43	11423	1.550	ug/l #	64
74) N-amyl acetate	12.04	43	229	2.251	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	121103	29.862	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	121103	86.008	ug/l #	6
95) Naphthalene	15.12	128	105	1.935	ug/l #	69

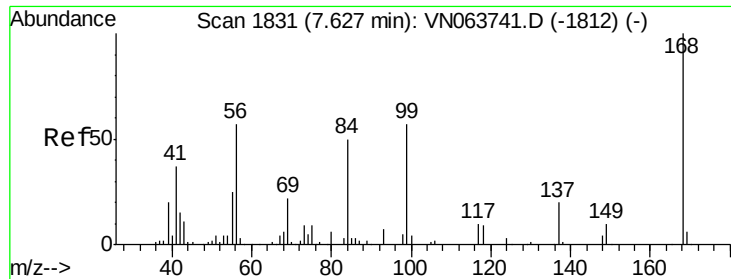
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063974.D

Acq: 8 Oct 2020 5:17

Instrument :

MSVOA_N

ClientSampled :

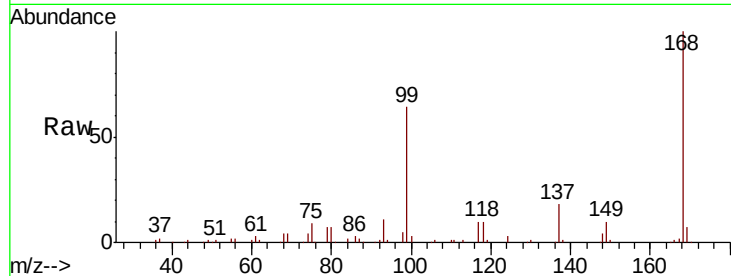
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Tot Ion:168 Resp: 244193

Ion Ratio Lower Upper

168 100

99 64.3 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

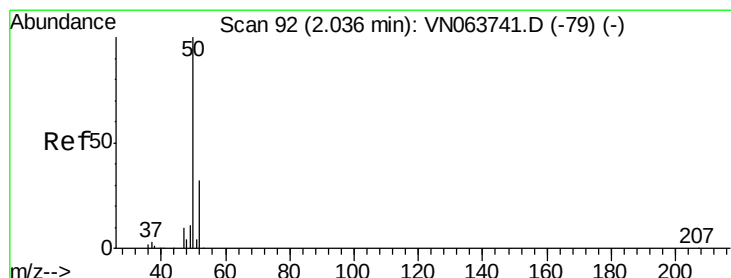
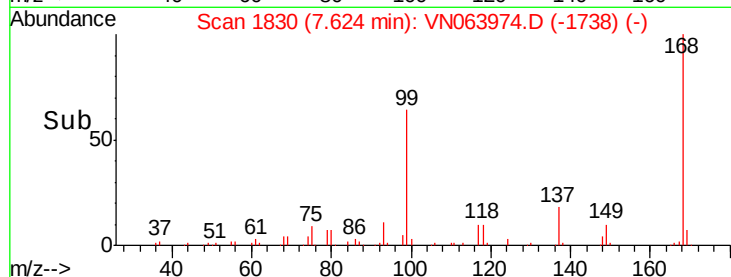
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.334 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063974.D

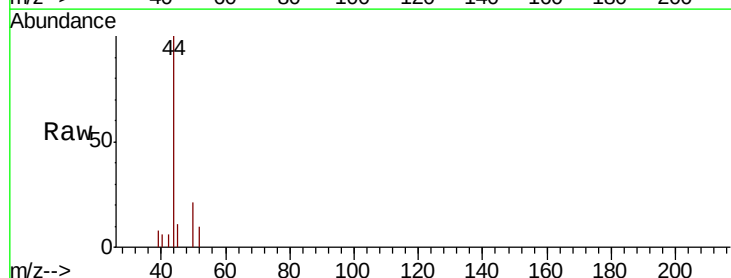
Acq: 8 Oct 2020 5:17

Tgt Ion: 50 Resp: 1010

Ion Ratio Lower Upper

50 100

52 45.8 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

800

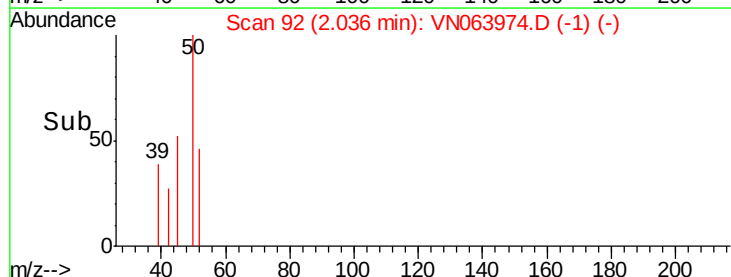
600

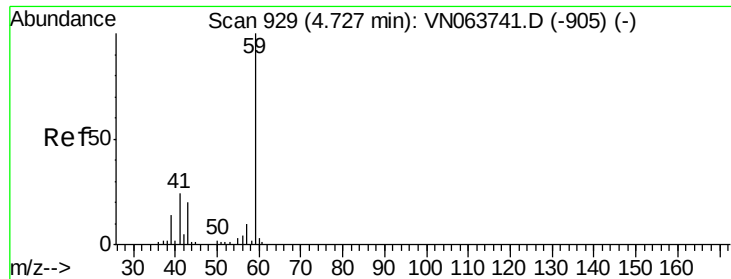
400

200

0

Time--> 2.00 2.02 2.04 2.06

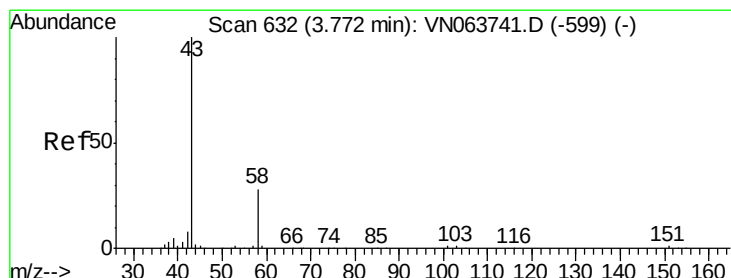
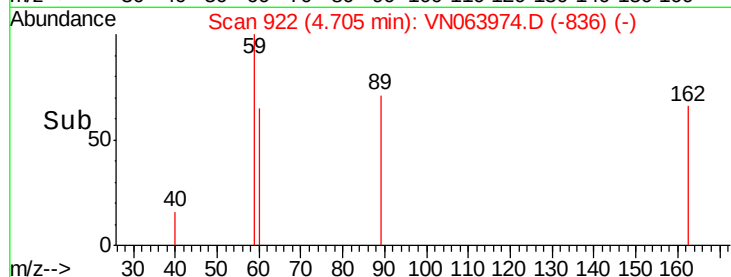
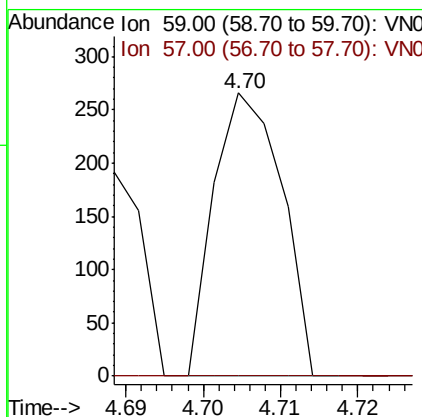
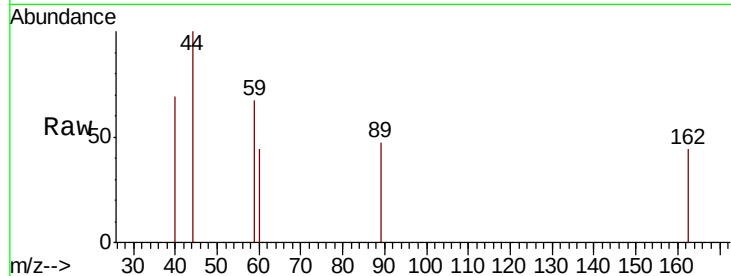




#11
Tert butyl alcohol
Concen: 0.366 ug/l
RT: 4.70 min Scan# 922
Delta R.T. -0.02 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

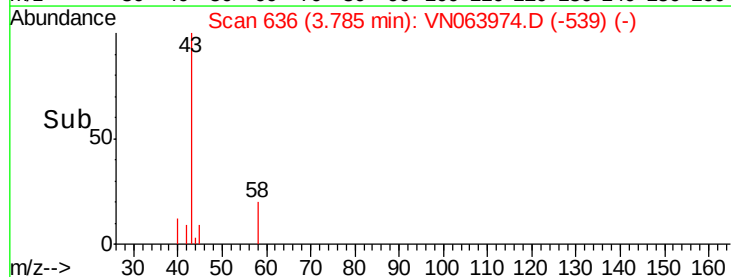
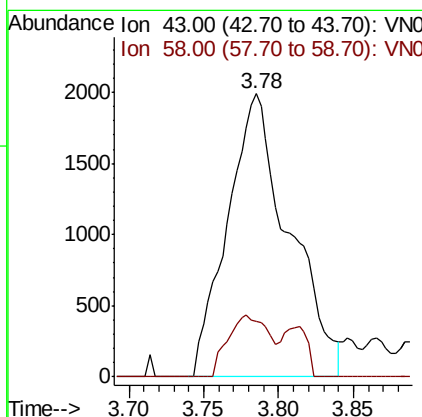
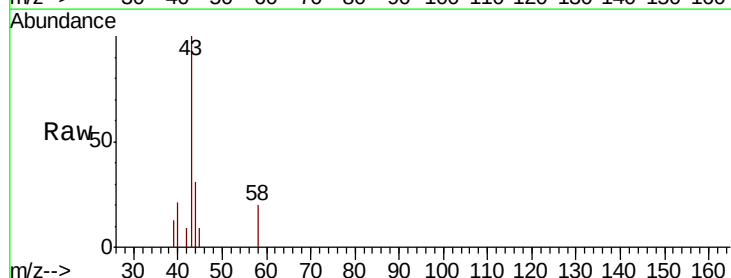
Instrument :
MSVOA_N
ClientSampleId :
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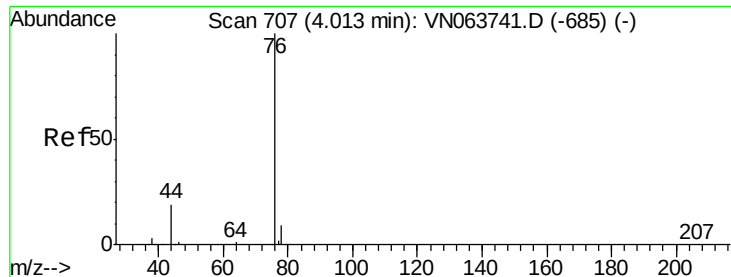
Tot Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 4.584 ug/l
RT: 3.78 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

Tgt Ion: 43 Resp: 5693
Ion Ratio Lower Upper
43 100
58 19.5 22.3 33.5#





#17

Carbon Disulfide

Concen: 0.744 ug/l

RT: 4.00 min Scan# 702

Delta R.T. -0.02 min

Lab File: VN063974.D

Acq: 8 Oct 2020 5:17

Instrument :

MSVOA_N

ClientSampled :

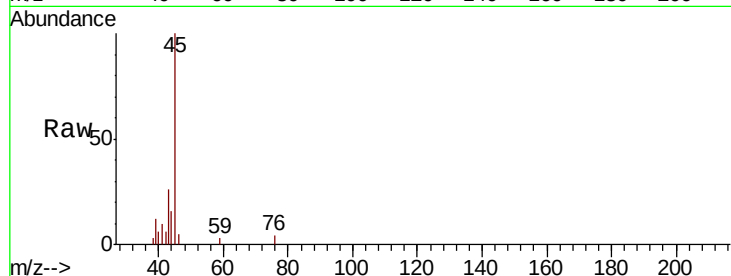
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Tot Ion: 76 Resp: 295

Ion Ratio Lower Upper

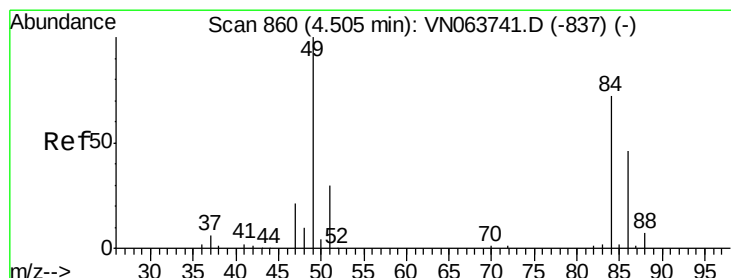
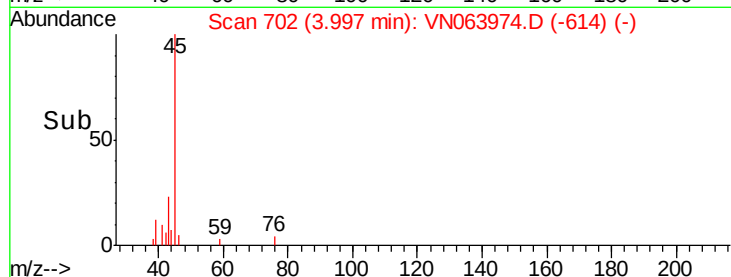
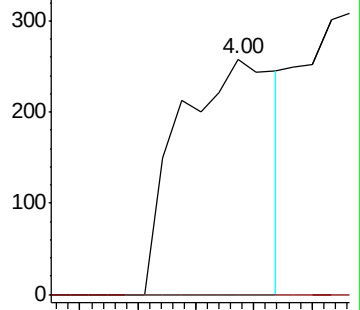
76 100

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



#20

Methylene Chloride

Concen: 0.907 ug/l

RT: 4.51 min Scan# 863

Delta R.T. 0.01 min

Lab File: VN063974.D

Acq: 8 Oct 2020 5:17

Tgt Ion: 84 Resp: 2306

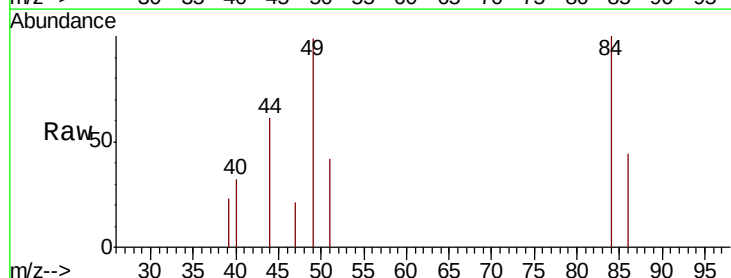
Ion Ratio Lower Upper

84 100

49 99.0 110.4 165.6#

51 41.5 33.3 49.9

86 43.7 50.7 76.1#

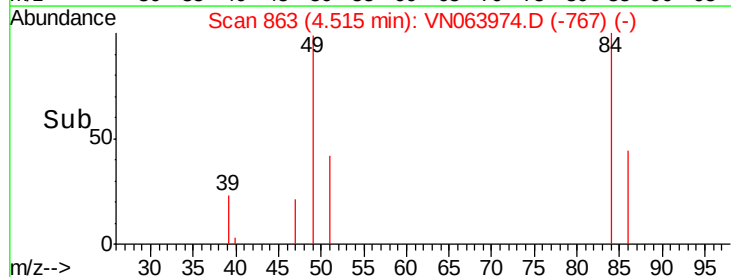
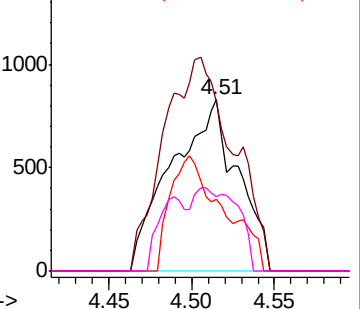


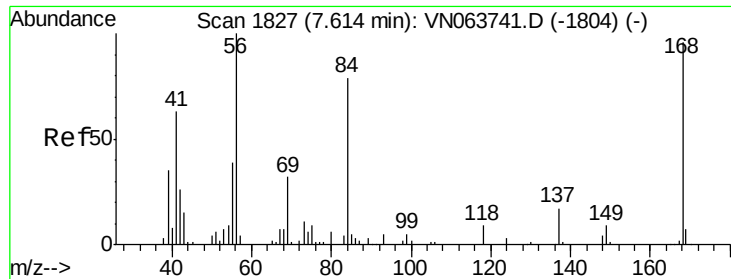
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

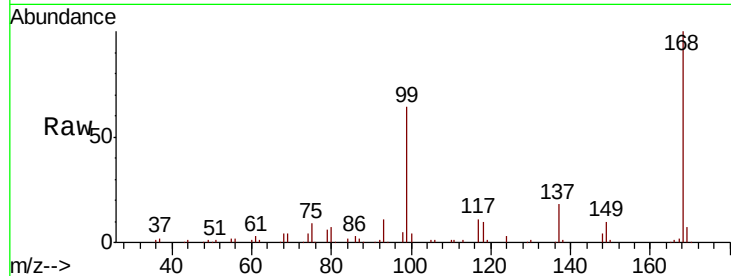




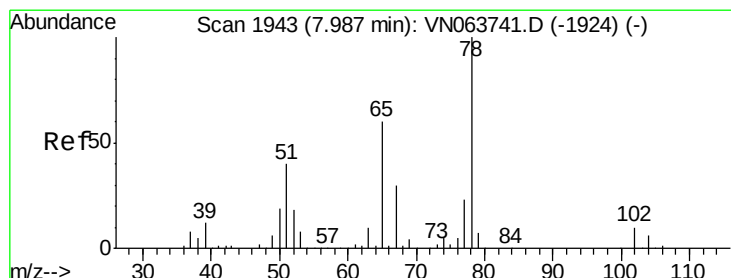
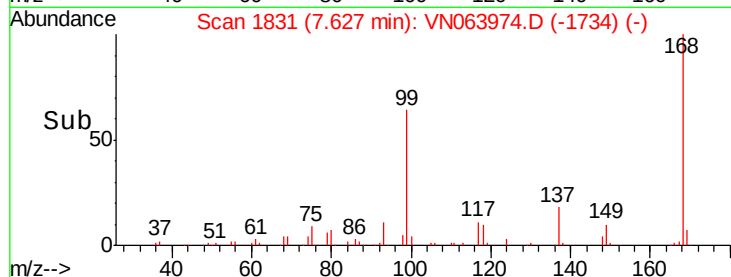
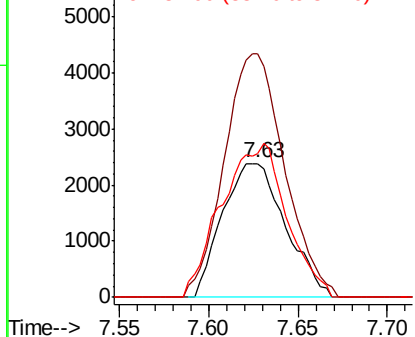
#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion: 56 Resp: 5860
Ion Ratio Lower Upper
56 100
69 181.5 25.4 38.2#
84 107.3 63.3 94.9#

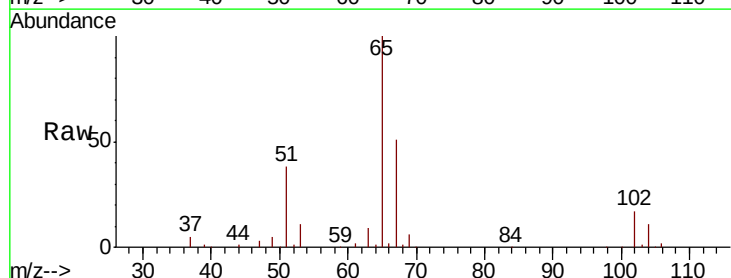


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

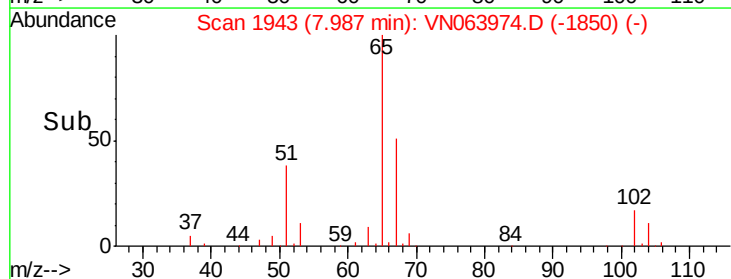
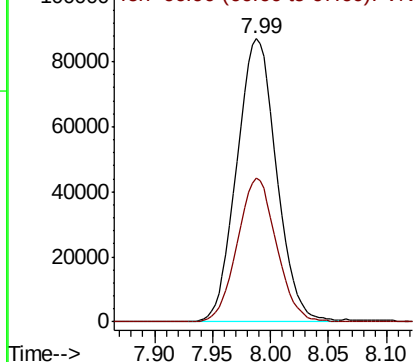


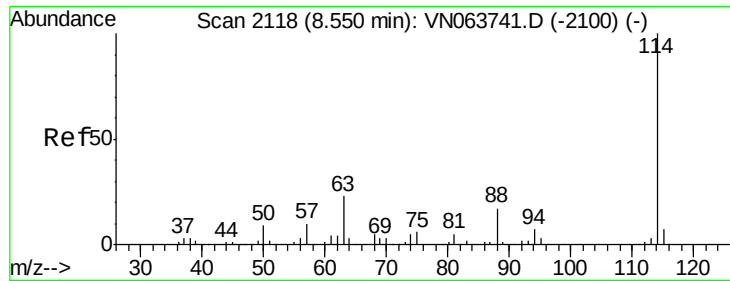
#33
1,2-Dichloroethane-d4
Concen: 51.586 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

Tgt Ion: 65 Resp: 208112
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

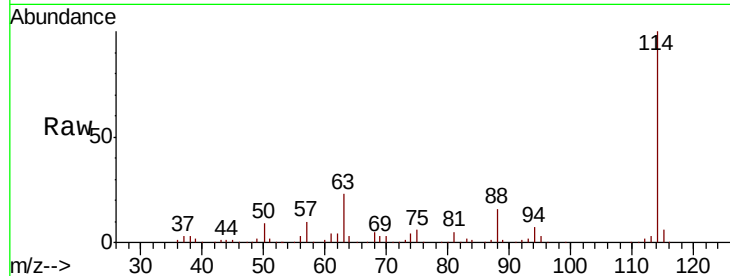




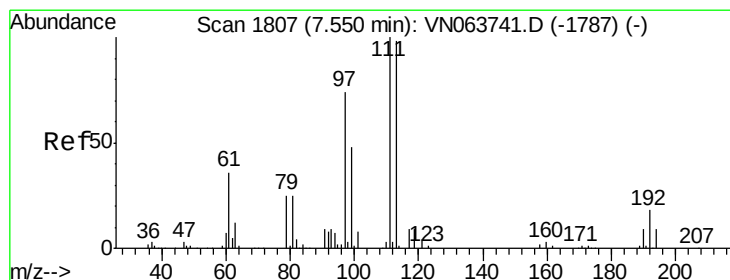
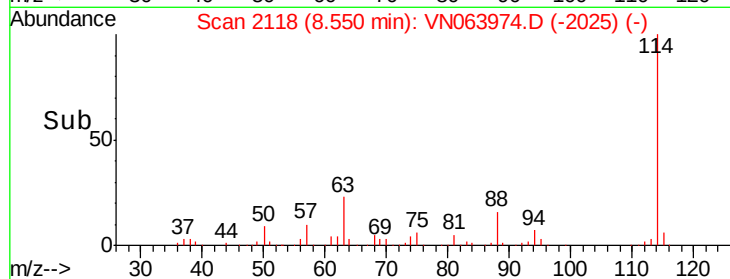
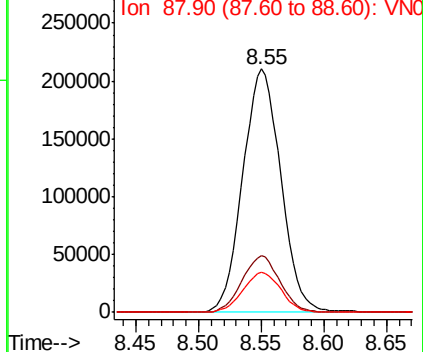
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

Tot Ion:114 Resp: 443831
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.0
88 16.4 0.0 34.0

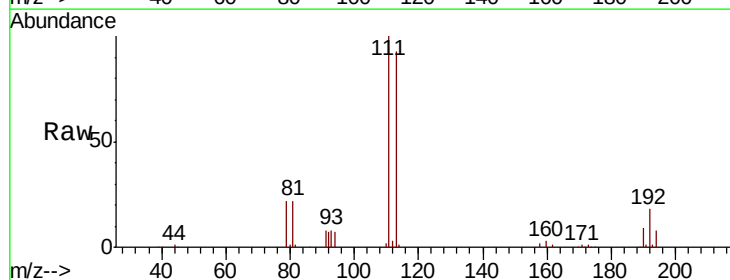


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

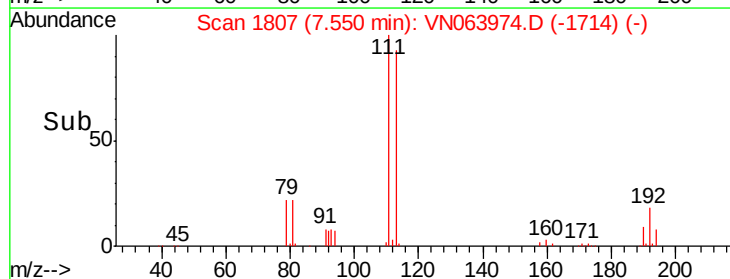
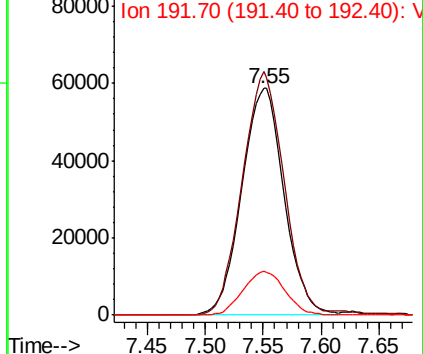


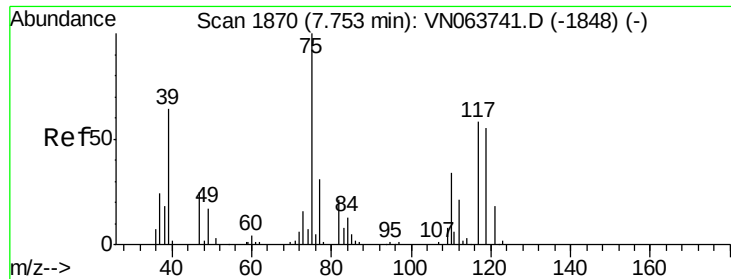
#35
Dibromofluoromethane
Concen: 48.350 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

Tgt Ion:113 Resp: 148900
Ion Ratio Lower Upper
113 100
111 105.8 81.8 122.8
192 19.3 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

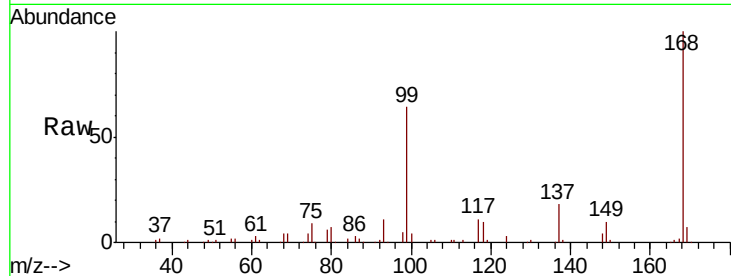




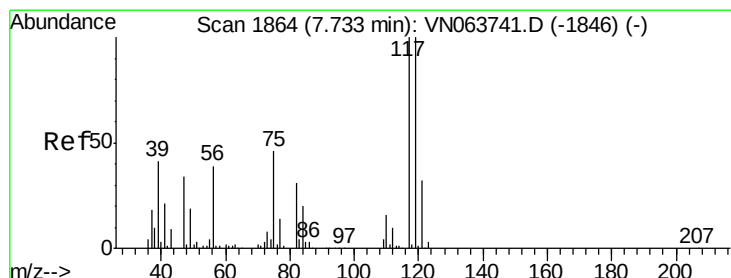
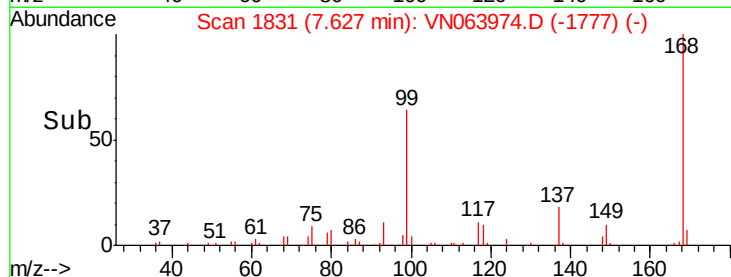
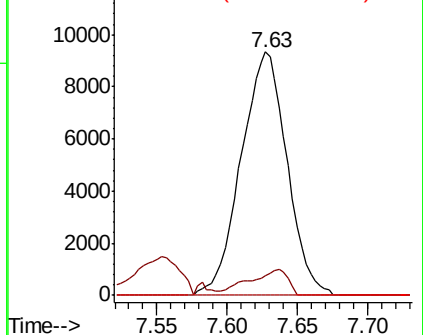
#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063974.D
 Acq: 8 Oct 2020 5:17

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion: 75 Resp: 21202
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.6#
 77 0.0 24.5 36.7#

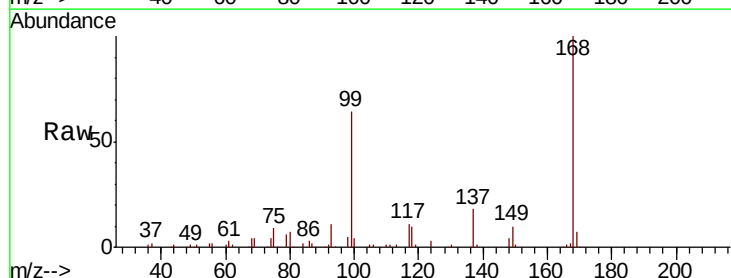


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

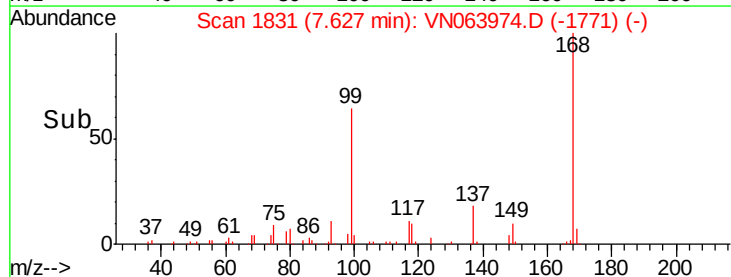
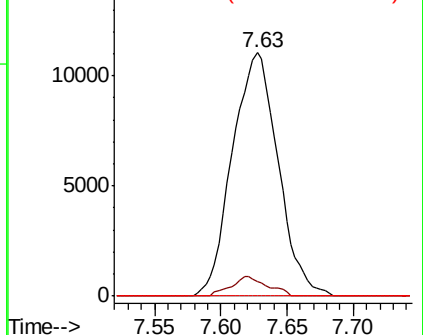


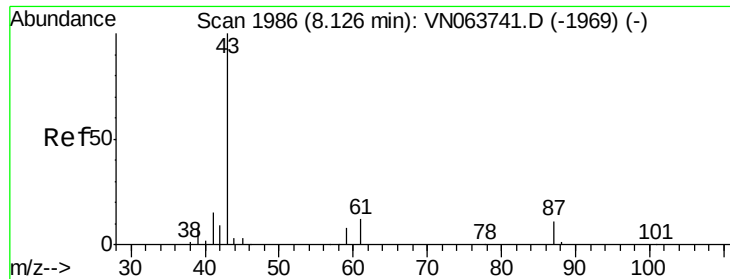
#38
 Carbon Tetrachloride
 Concen: 5.262 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063974.D
 Acq: 8 Oct 2020 5:17

Tgt Ion:117 Resp: 26532
 Ion Ratio Lower Upper
 117 100
 119 6.2 80.1 120.1#
 121 0.0 25.7 38.5#



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: 1.550 ug/l

RT: 8.28 min Scan# 2033

Delta R.T. 0.15 min

Lab File: VN063974.D

Acq: 8 Oct 2020 5:17

Instrument :

MSVOA_N

ClientSampleId :

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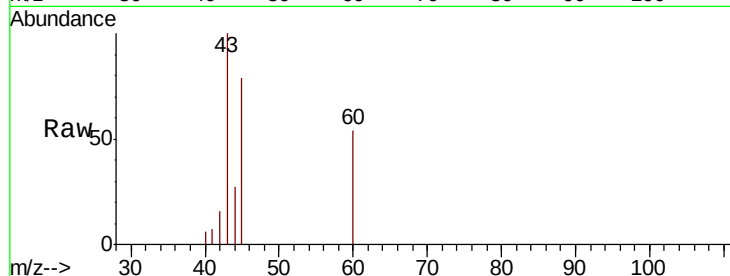
Tot Ion: 43 Resp: 11423

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

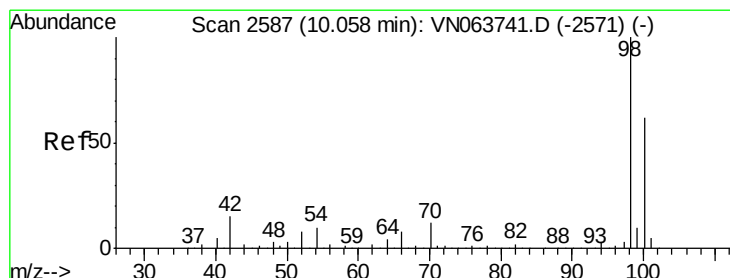
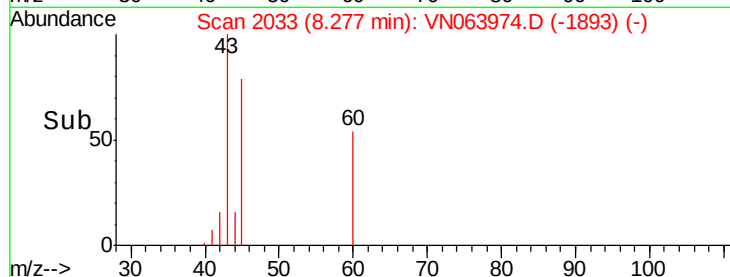
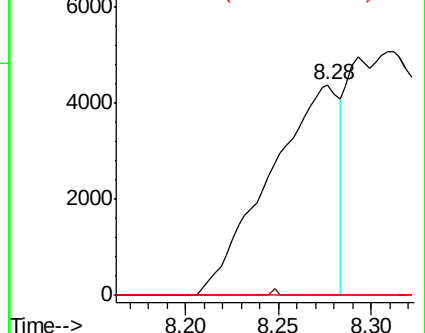
87 0.0 9.0 13.6#



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: 48.172 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063974.D

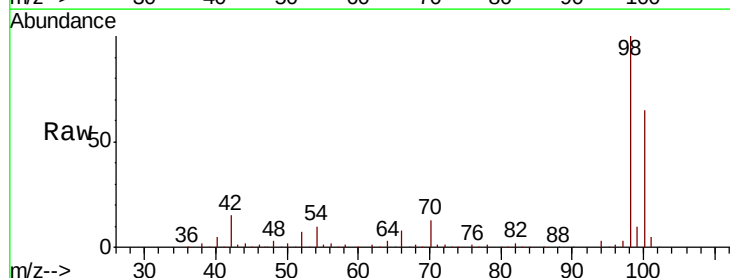
Acq: 8 Oct 2020 5:17

Tgt Ion: 98 Resp: 562382

Ion Ratio Lower Upper

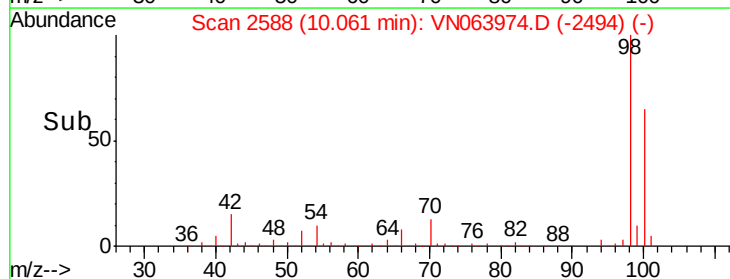
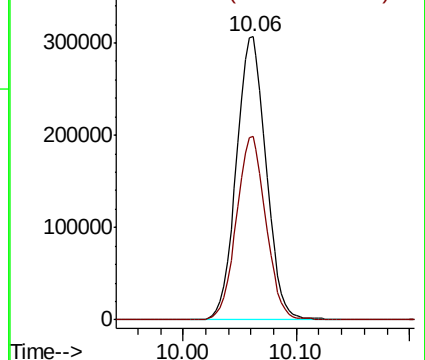
98 100

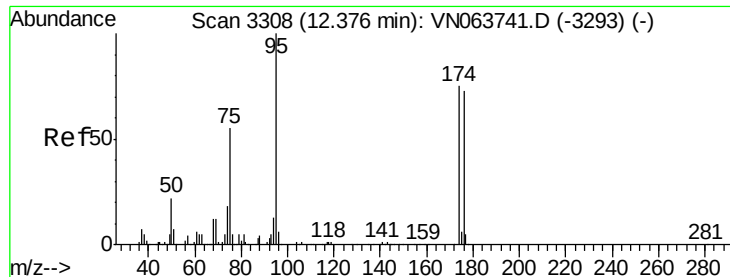
100 64.3 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

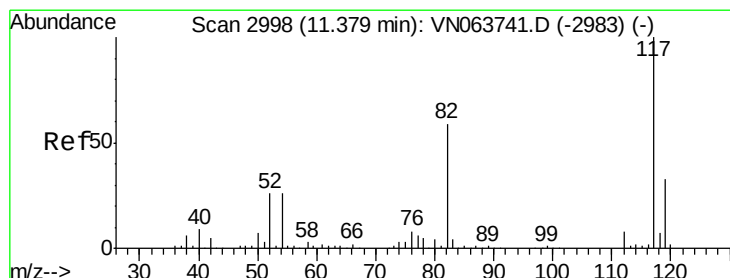
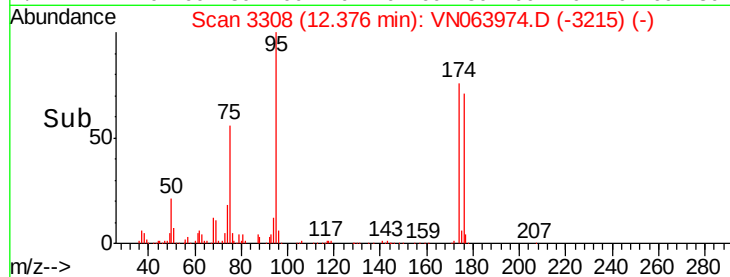
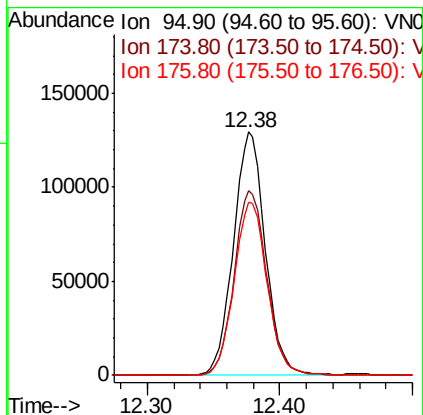
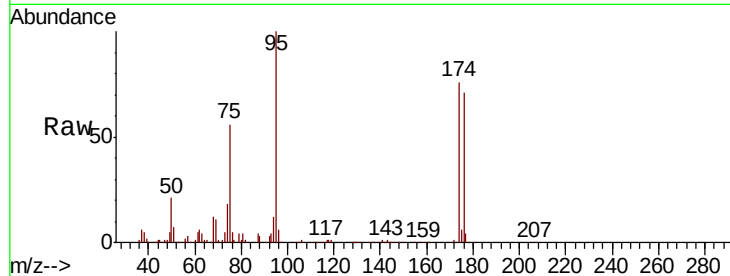




#62
4-Bromofluorobenzene
Concen: 49.258 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

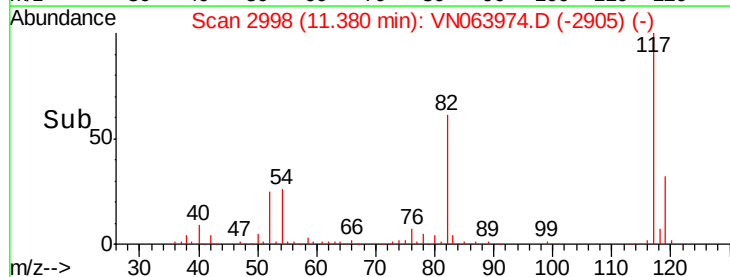
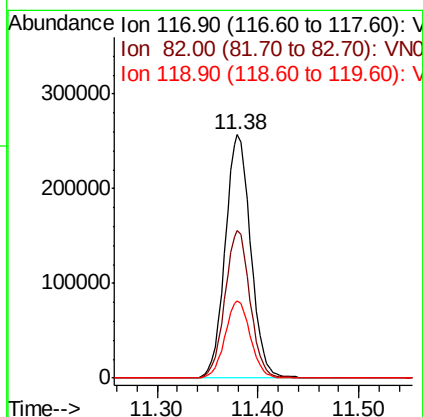
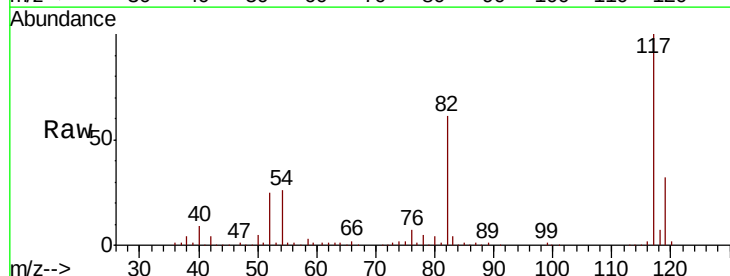
Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

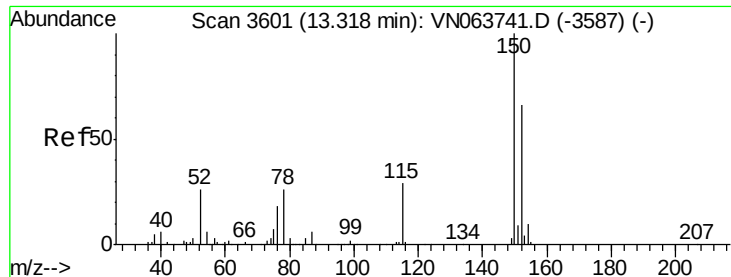
Tot Ion: 95 Resp: 216174
Ion Ratio Lower Upper
95 100
174 77.5 0.0 150.6
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

Tgt Ion: 117 Resp: 454084
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.8 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: VN063974.D

Acq: 8 Oct 2020 5:17

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

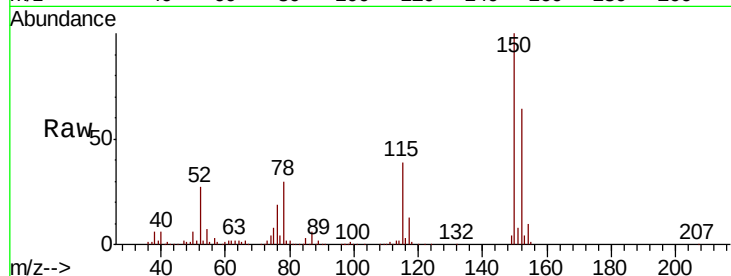
Tot Ion:152 Resp: 183968

Ion Ratio Lower Upper

152 100

115 60.7 31.3 93.8

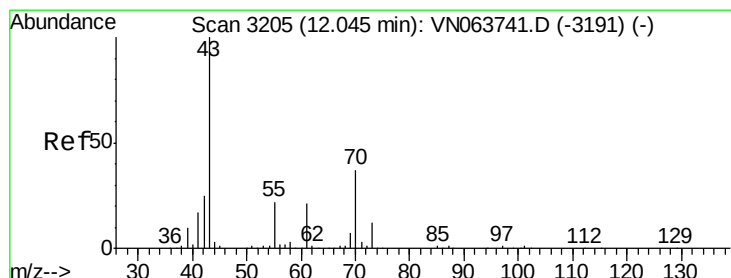
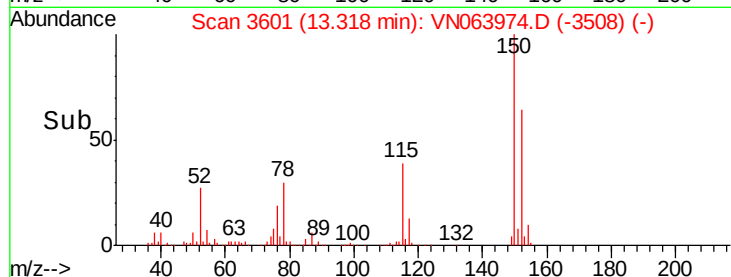
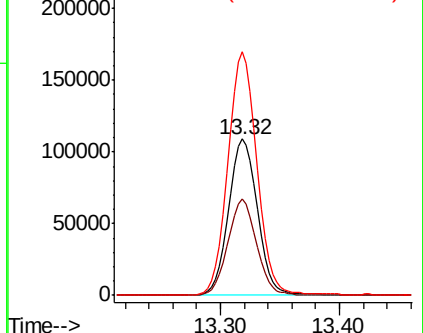
150 155.4 0.0 341.8



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-amil acetate

Concen: 2.251 ug/l

RT: 12.04 min Scan# 3202

Delta R.T. -0.01 min

Lab File: VN063974.D

Acq: 8 Oct 2020 5:17

Tgt Ion: 43 Resp: 229

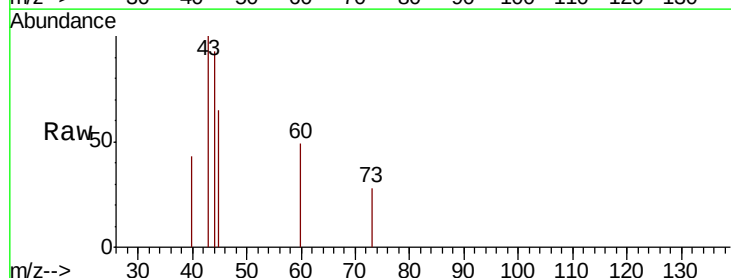
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

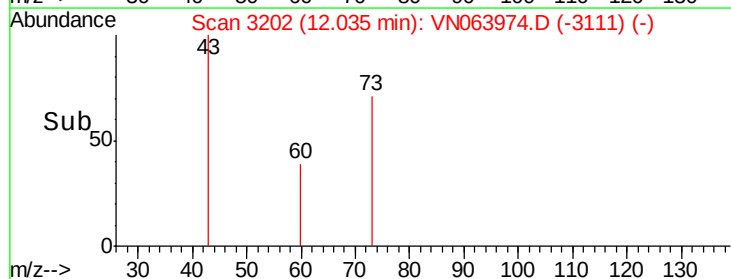
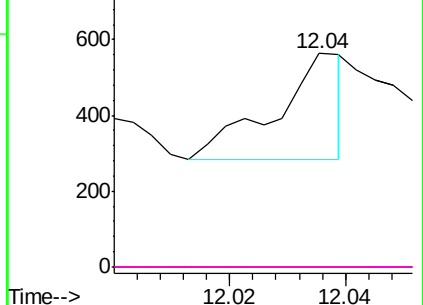


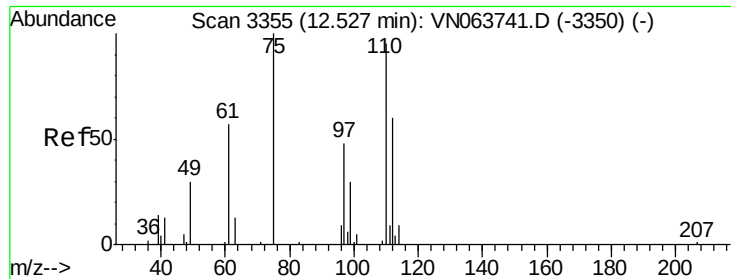
Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 29.862 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063974.D

Acq: 8 Oct 2020 5:17

Instrument :

MSVOA_N

ClientSampled :

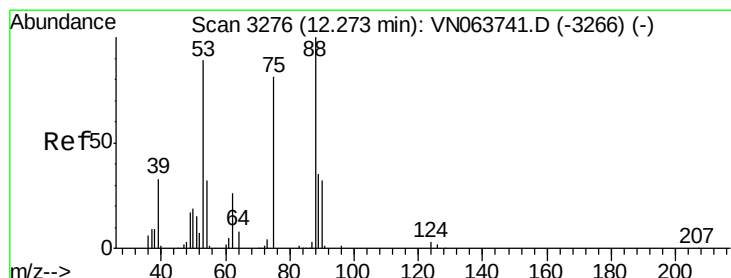
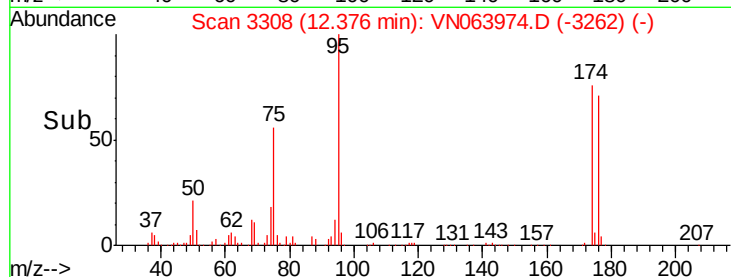
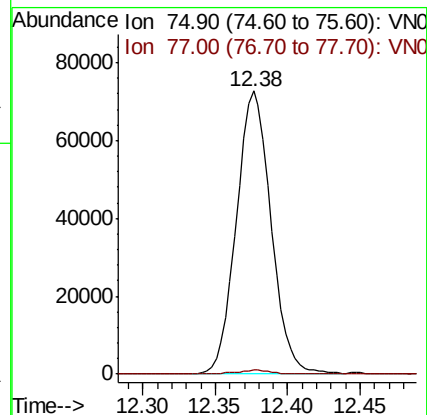
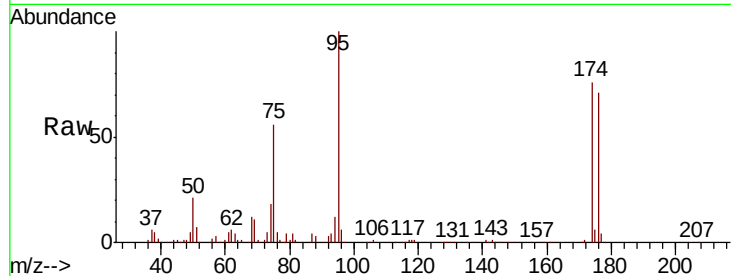
FIELD-BLANK

Tot Ion: 75 Resp: 121103

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.008 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063974.D

Acq: 8 Oct 2020 5:17

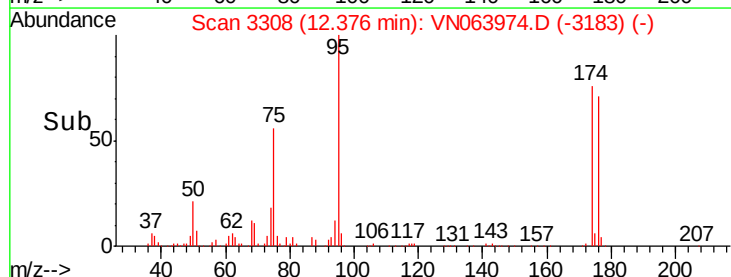
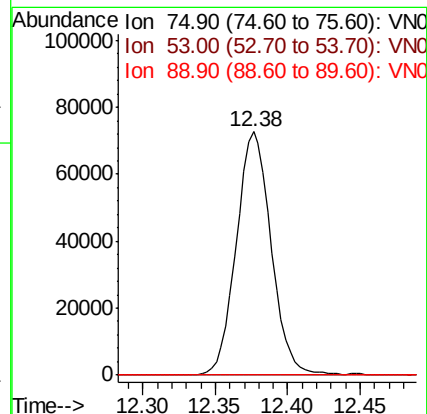
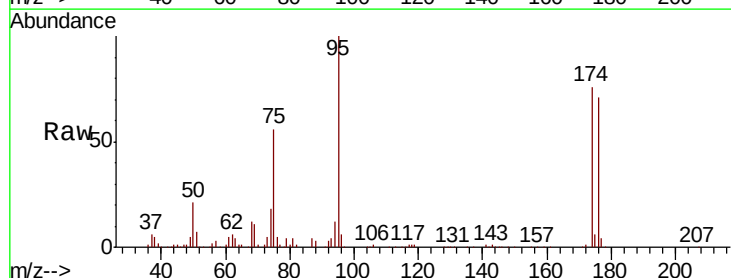
Tgt Ion: 75 Resp: 121103

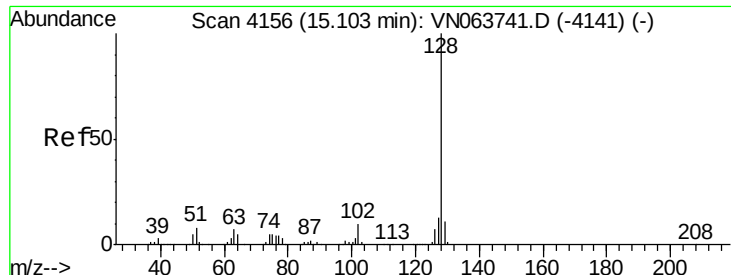
Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.0 36.0 54.0#

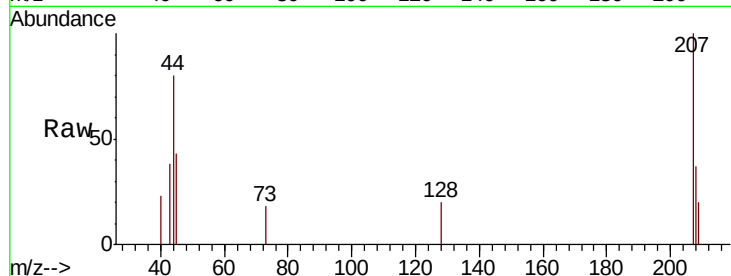




#95
Naphthalene
Concen: 1.935 ug/l
RT: 15.12 min Scan# 4162
Delta R.T. 0.02 min
Lab File: VN063974.D
Acq: 8 Oct 2020 5:17

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
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

