

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063975.D
 Acq On : 8 Oct 2020 5:41
 Operator : JC/MD
 Sample : L4291-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Oct 08 06:51:57 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	237536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	425447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	437711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174823	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	204397	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.18%		
35) Dibromofluoromethane	7.55	113	147846	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.16%		
50) Toluene-d8	10.06	98	546427	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.66%		
62) 4-Bromofluorobenzene	12.38	95	209870	49.89	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.78%		

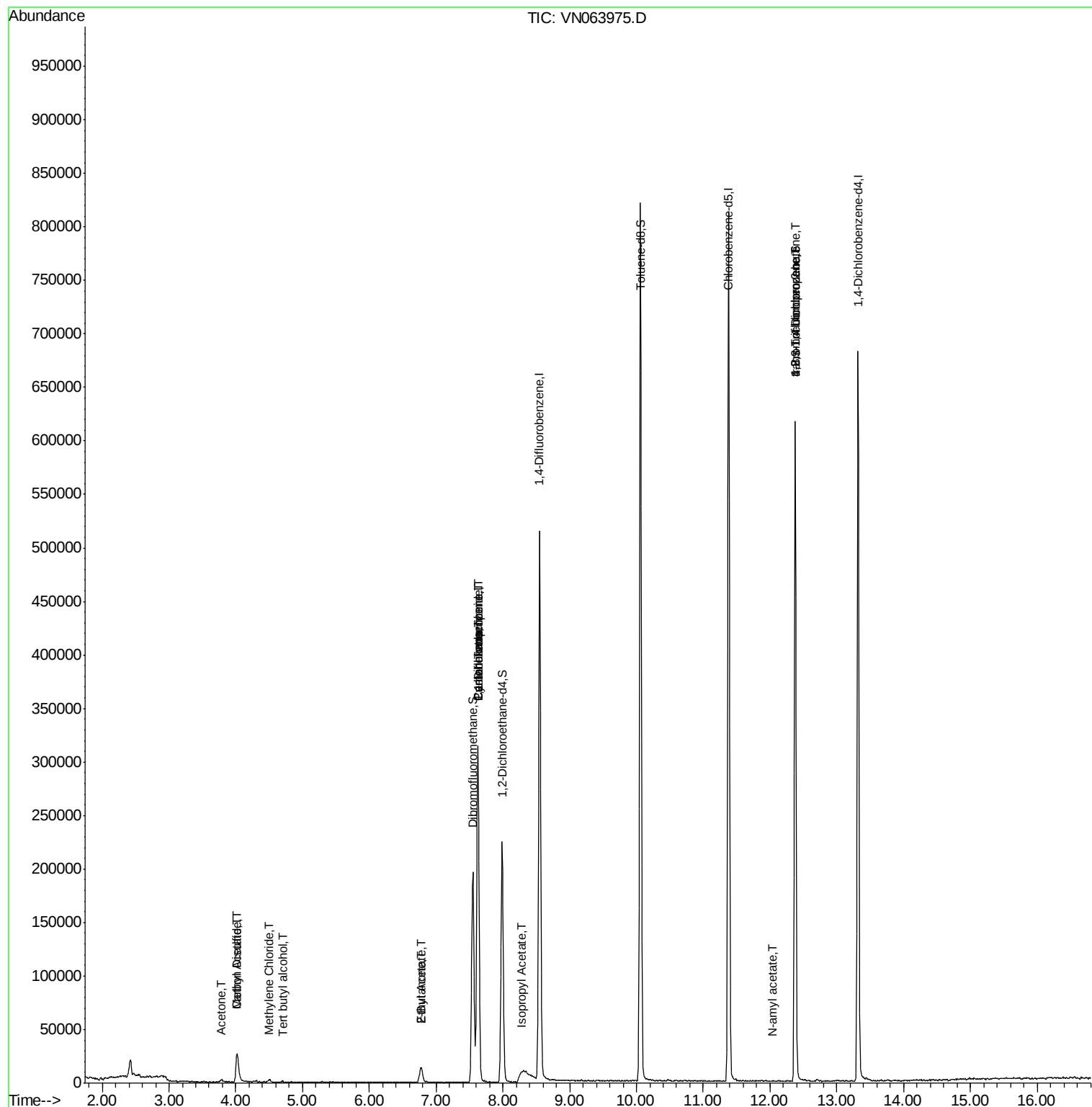
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	139	0.321	ug/l #	71
16) Acetone	3.77	43	1333	1.103	ug/l #	65
17) Carbon Disulfide	4.02	76	166	0.726	ug/l #	76
18) Methyl Acetate	4.02	43	10333	3.294	ug/l #	54
20) Methylene Chloride	4.50	84	931	0.434	ug/l #	50
25) 2-Butanone	6.78	43	1013	0.591	ug/l #	51
31) Cyclohexane	7.63	56	5444	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	20169	4.679	ug/l #	48
37) Ethyl Acetate	6.78	43	1013	0.237	ug/l #	62
38) Carbon Tetrachloride	7.63	117	26543	5.492	ug/l #	14
43) Isopropyl Acetate	8.28	43	8516	1.206	ug/l #	64
74) N-amyl acetate	12.04	43	275	2.260	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	113186	29.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	113186	84.590	ug/l #	6

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100720\
Data File : VN063975.D
Acq On : 8 Oct 2020 5:41
Operator : JC/MD
Sample : L4291-13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Quant Time: Oct 08 06:51:57 2020
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: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Instrument :

MSVOA_N

ClientSampleId :

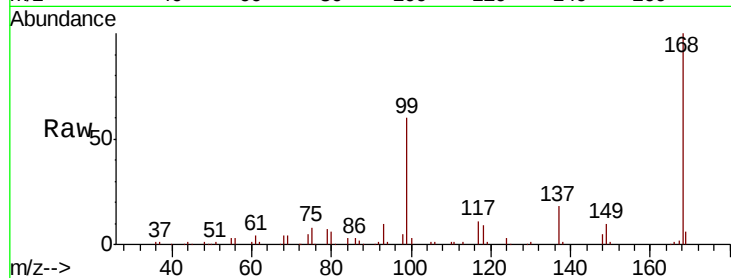
FIELD-BLANK

Tot Ion:168 Resp: 237536

Ion Ratio Lower Upper

168 100

99 60.4 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

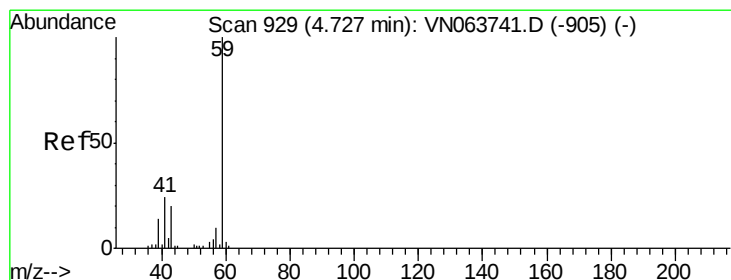
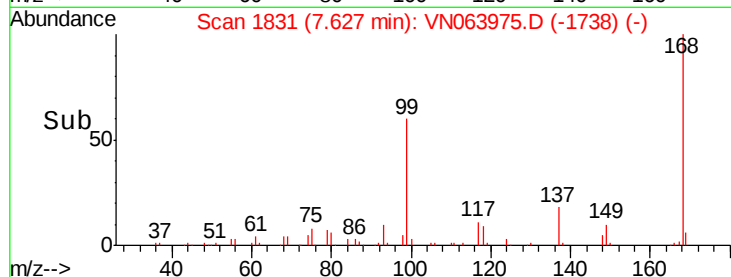
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.321 ug/l

RT: 4.71 min Scan# 923

Delta R.T. -0.02 min

Lab File: VN063975.D

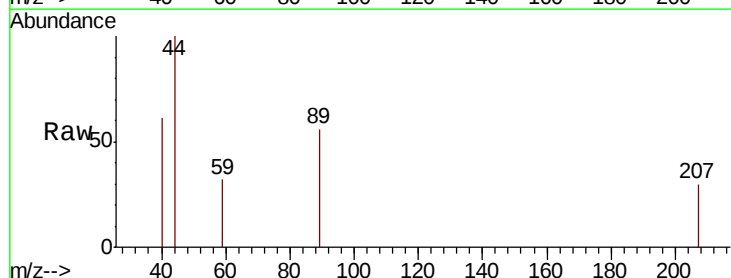
Acq: 8 Oct 2020 5:41

Tgt Ion: 59 Resp: 139

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

200

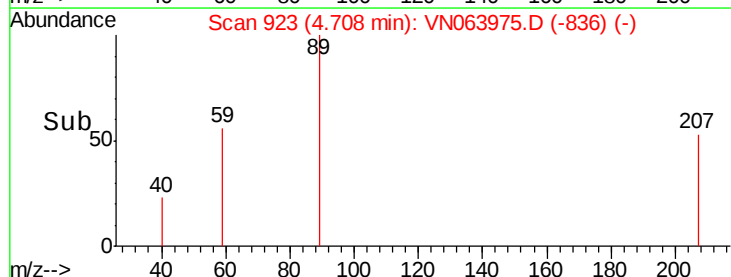
150

100

50

0

Time--> 4.69 4.70 4.71 4.72





#16

Acetone

Concen: 1.103 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Instrument :

MSVOA_N

ClientSampleId :

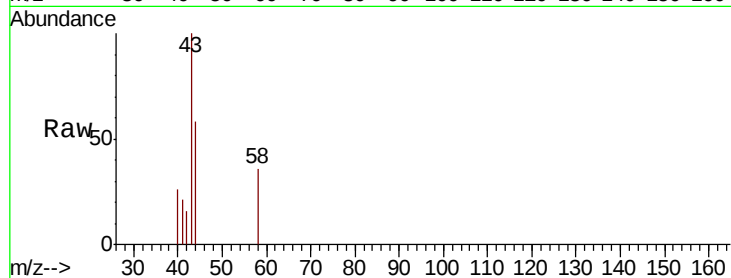
FIELD-BLANK

Tot Ion: 43 Resp: 1333

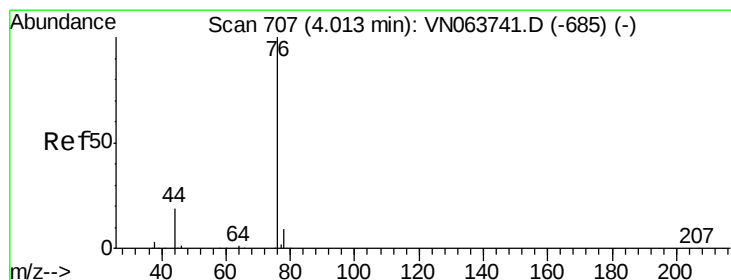
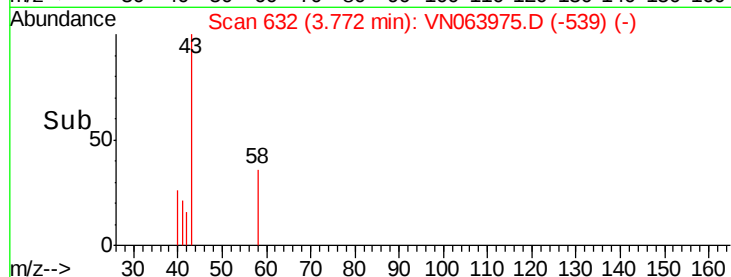
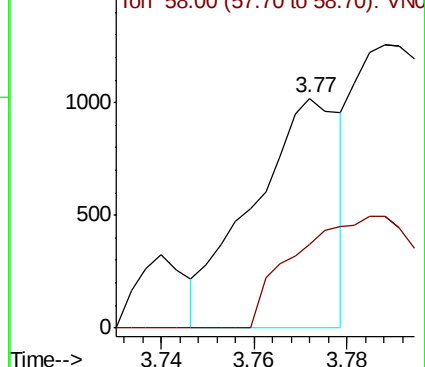
Ion Ratio Lower Upper

43 100

58 46.4 22.3 33.5#



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



#17

Carbon Disulfide

Concen: 0.726 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063975.D

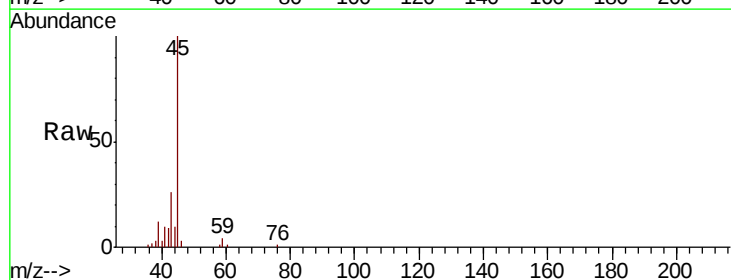
Acq: 8 Oct 2020 5:41

Tgt Ion: 76 Resp: 166

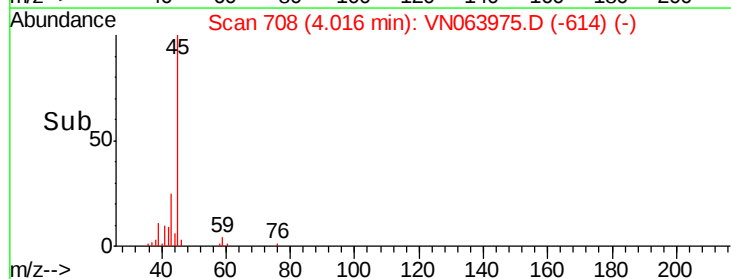
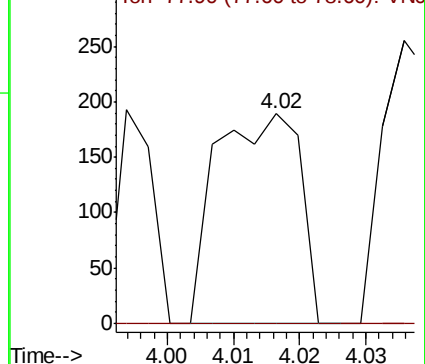
Ion Ratio Lower Upper

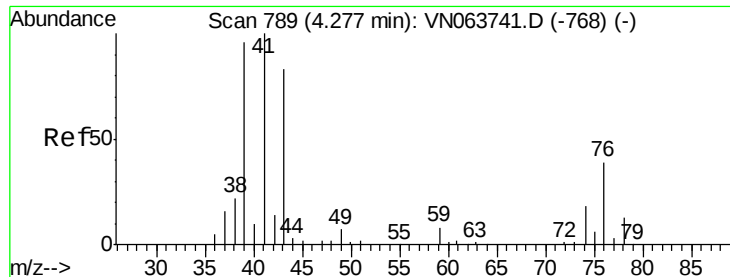
76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

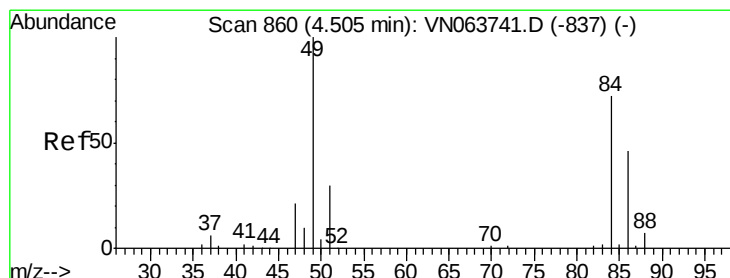
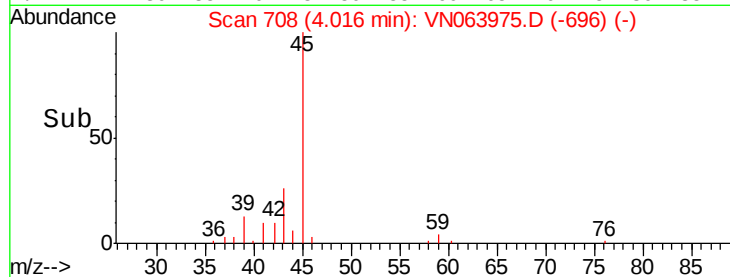
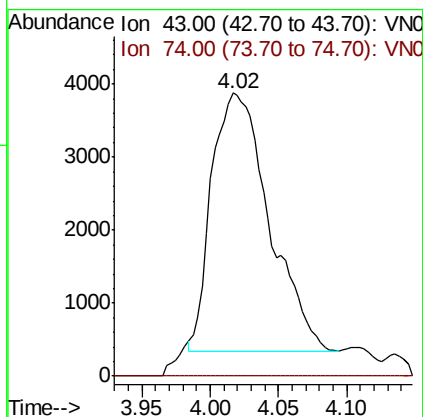
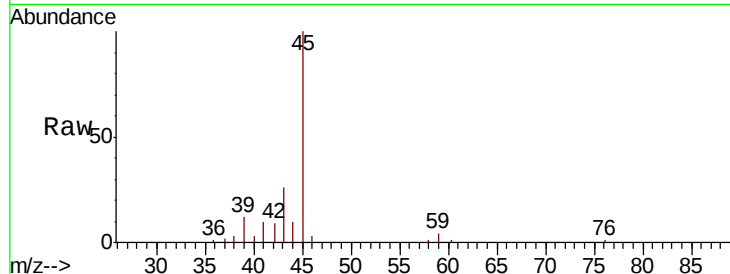




#18
Methyl Acetate
Concen: 3.294 ug/l
RT: 4.02 min Scan# 708
Delta R.T. -0.26 min
Lab File: VN063975.D
Acq: 8 Oct 2020 5:41

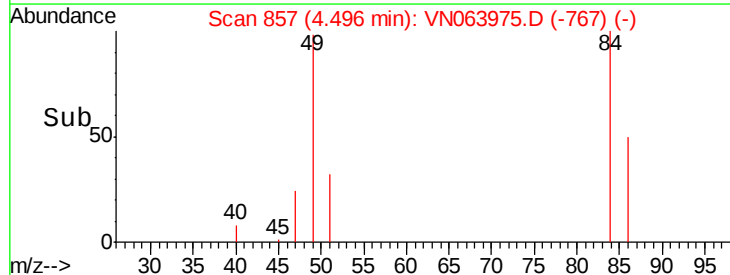
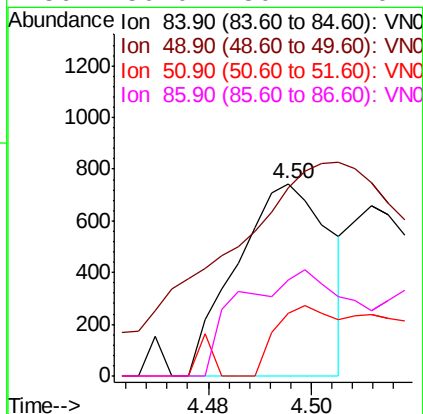
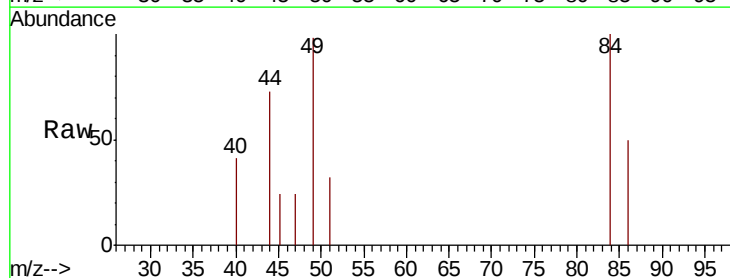
Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

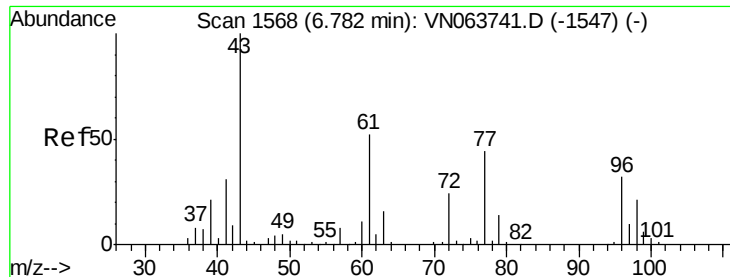
Tot Ion: 43 Resp: 10333
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#20
Methylene Chloride
Concen: 0.434 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN063975.D
Acq: 8 Oct 2020 5:41

Tgt Ion: 84 Resp: 931
Ion Ratio Lower Upper
84 100
49 47.3 110.4 165.6#
51 32.4 33.3 49.9#
86 50.0 50.7 76.1#





#25

2-Butanone

Concen: 0.591 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Instrument :

MSVOA_N

ClientSampleId :

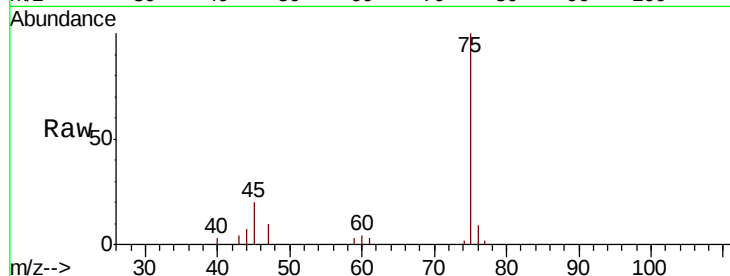
FIELD-BLANK

Tot Ion: 43 Resp: 1013

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.78

400

300

200

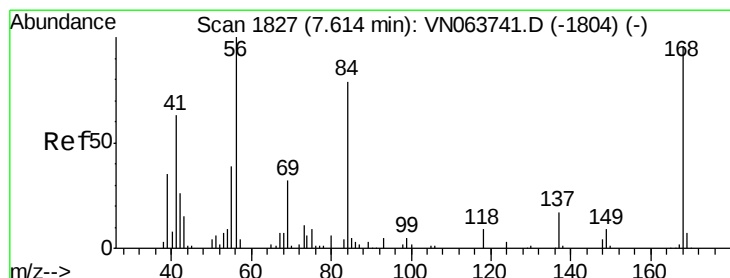
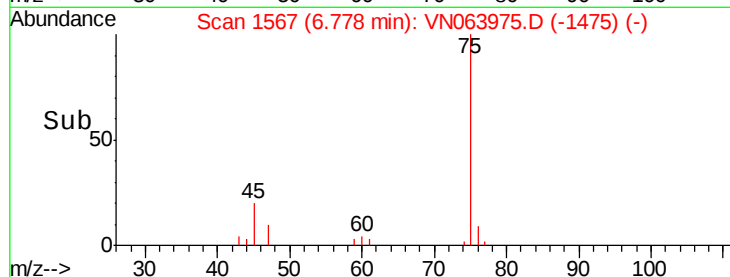
100

0

Time--> 6.70

6.75

6.80



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

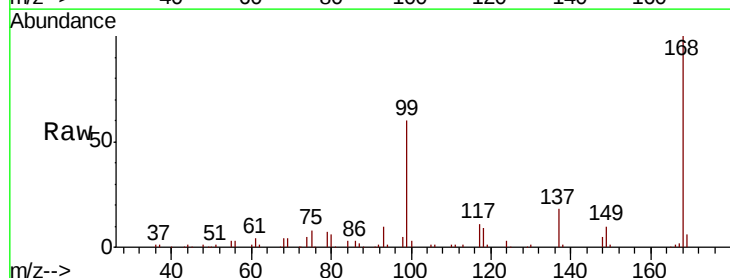
Tgt Ion: 56 Resp: 5444

Ion Ratio Lower Upper

56 100

69 162.1 25.4 38.2#

84 118.7 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

6000

5000

4000

3000

2000

1000

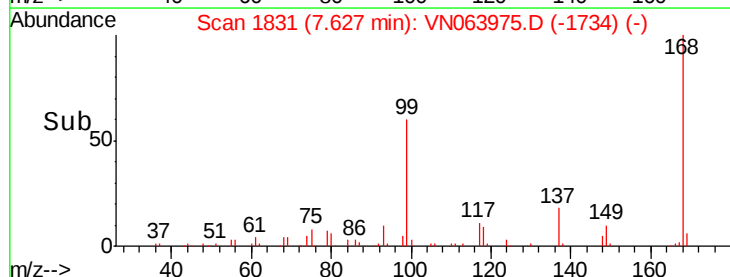
0

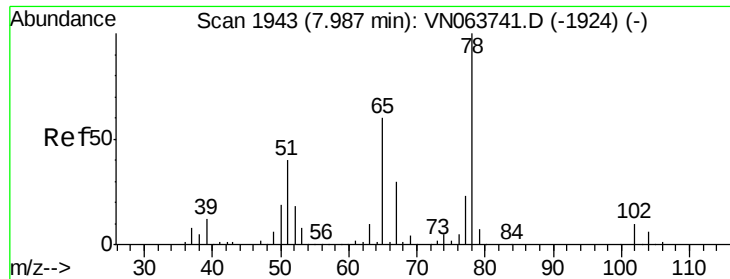
Time--> 7.55

7.60

7.65

7.70





#33

1,2-Dichloroethane-d4

Concen: 52.086 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Instrument :

MSVOA_N

ClientSampleId :

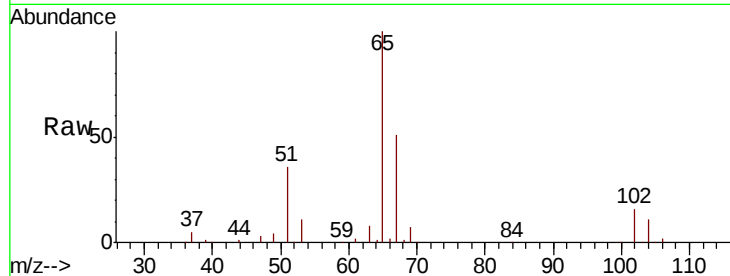
FIELD-BLANK

Tot Ion: 65 Resp: 204397

Ion Ratio Lower Upper

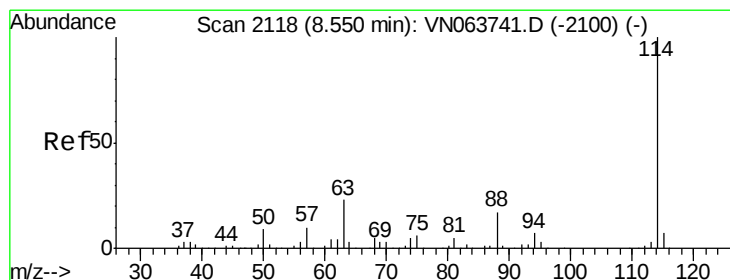
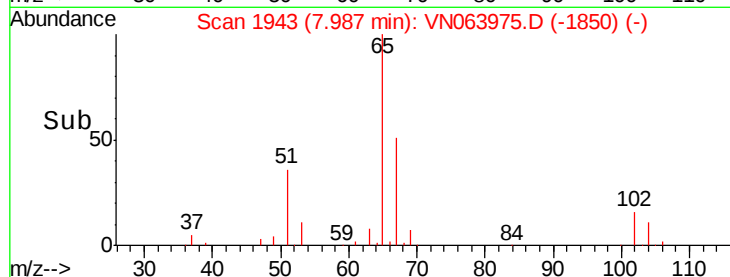
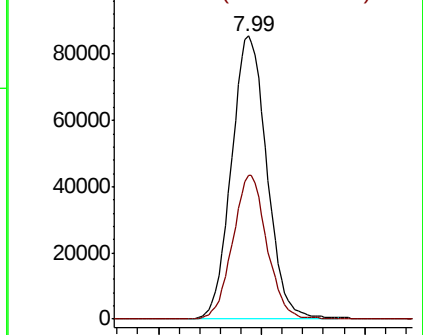
65 100

67 49.2 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063975.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063975.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

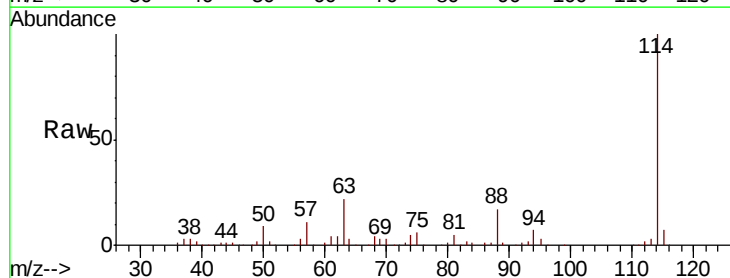
Tgt Ion: 114 Resp: 425447

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.0

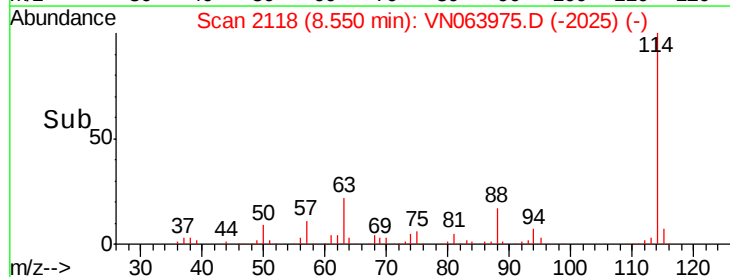
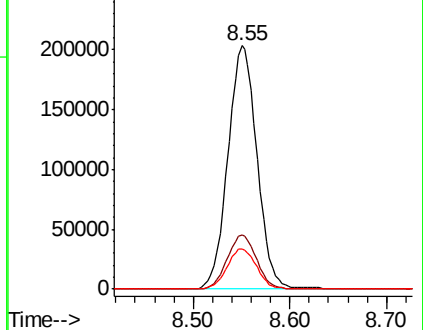
88 16.6 0.0 34.0

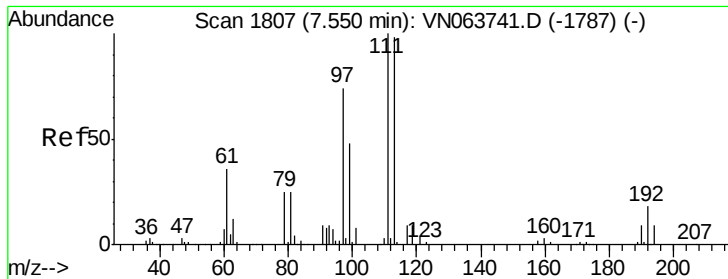


Abundance Ion 113.90 (113.60 to 114.60): VN063975.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN063975.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN063975.D (-2025) (-)

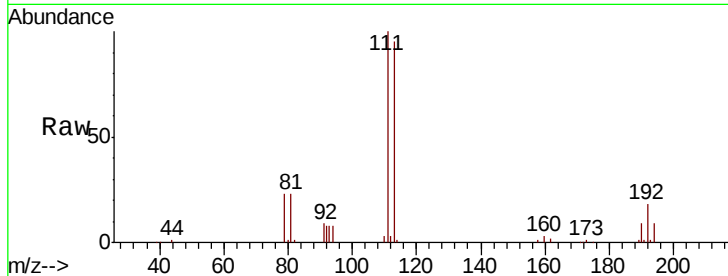




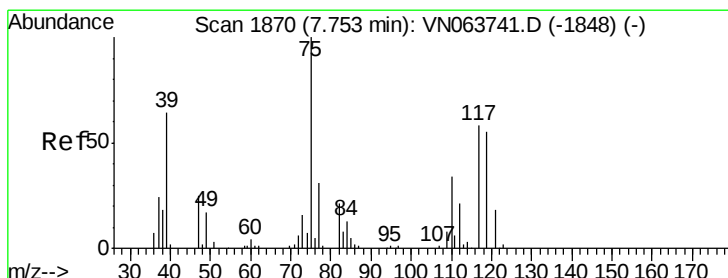
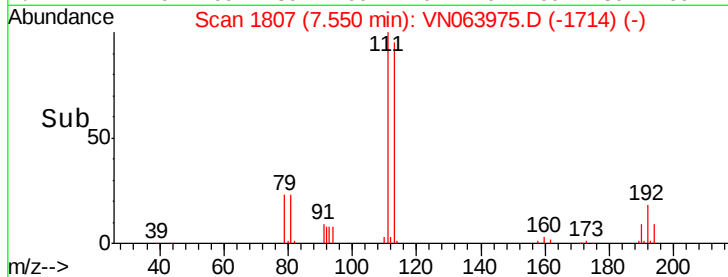
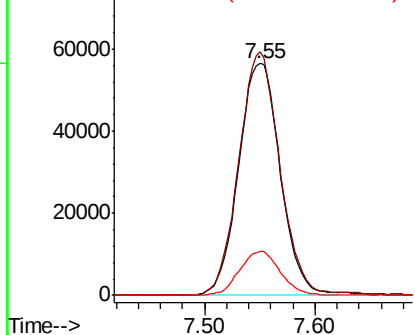
#35
 Dibromofluoromethane
 Concen: 50.082 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063975.D
 Acq: 8 Oct 2020 5:41

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.8
192	18.5	14.2	21.2

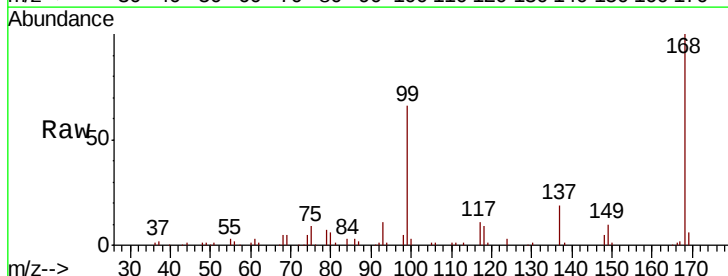


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

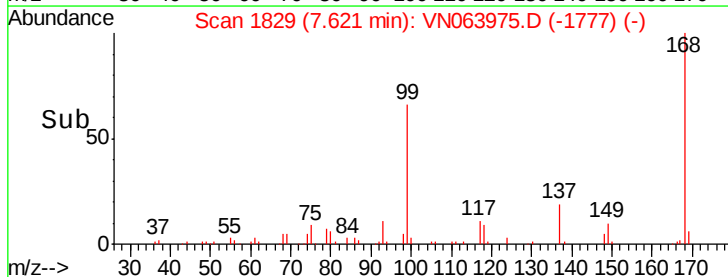
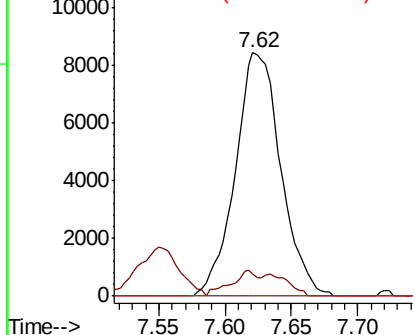


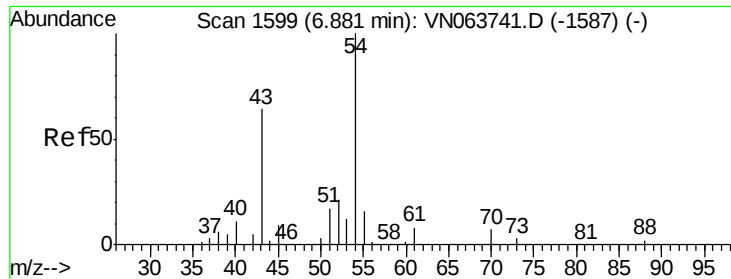
#36
 1,1-Dichloropropene
 Concen: 4.679 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063975.D
 Acq: 8 Oct 2020 5:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.8	16.9	50.6#
77	0.0	24.5	36.7#



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

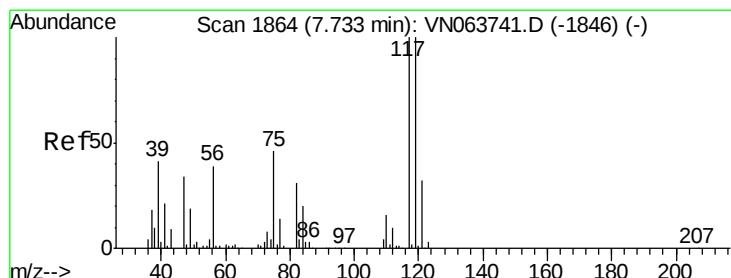
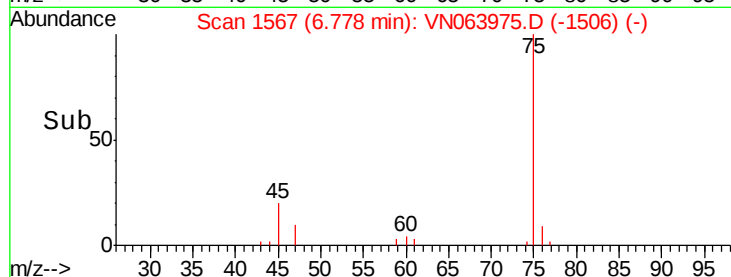
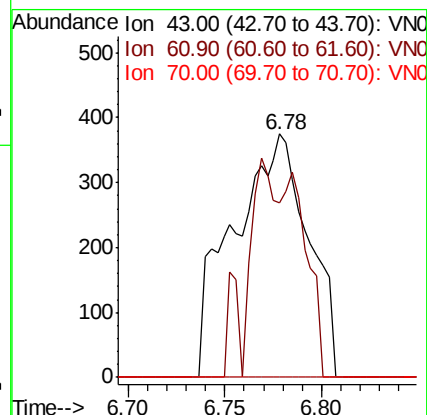
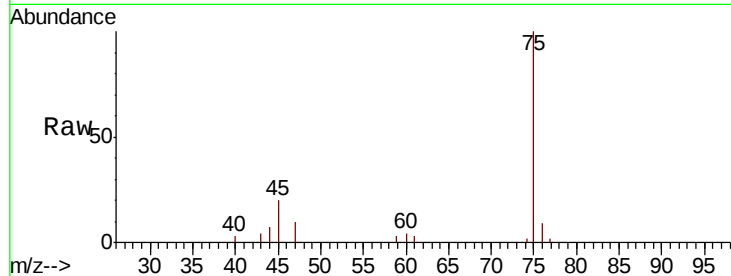




#37
Ethyl Acetate
Concen: 0.237 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.10 min
Lab File: VN063975.D
Acq: 8 Oct 2020 5:41

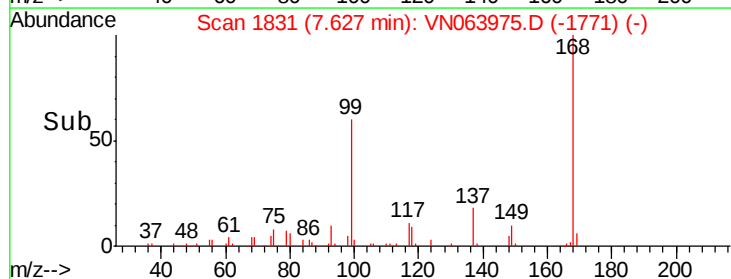
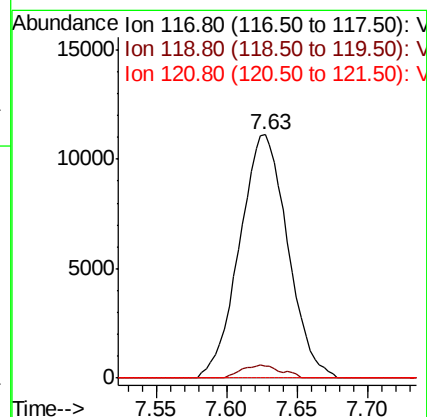
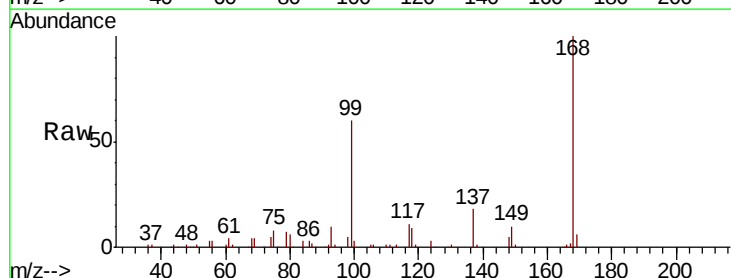
Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

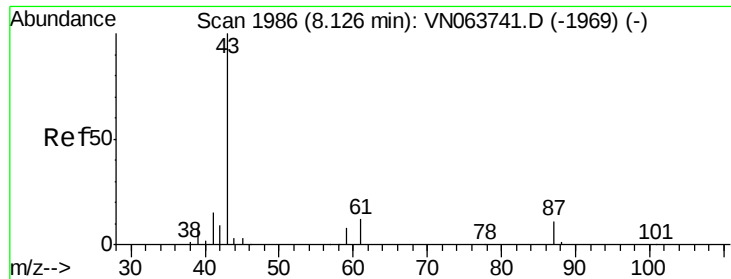
Tot Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
61 31.4 10.4 15.6#
70 0.0 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 5.492 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063975.D
Acq: 8 Oct 2020 5:41

Tgt Ion: 117 Resp: 26543
Ion Ratio Lower Upper
117 100
119 5.1 80.1 120.1#
121 0.0 25.7 38.5#





#43

Isopropyl Acetate

Concen: 1.206 ug/l

RT: 8.28 min Scan# 2033

Delta R.T. 0.15 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

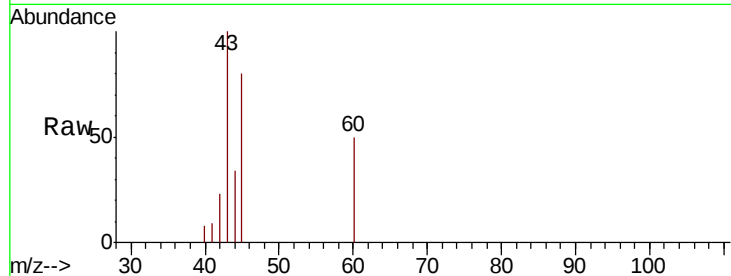
Tot Ion: 43 Resp: 8516

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

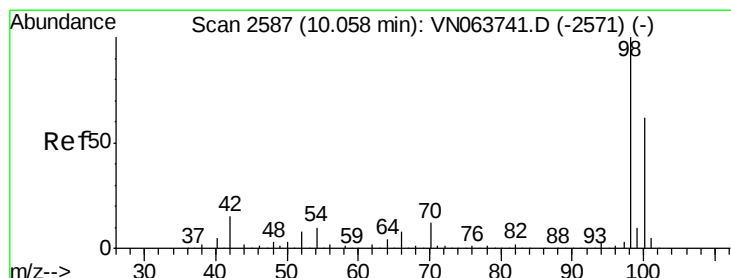
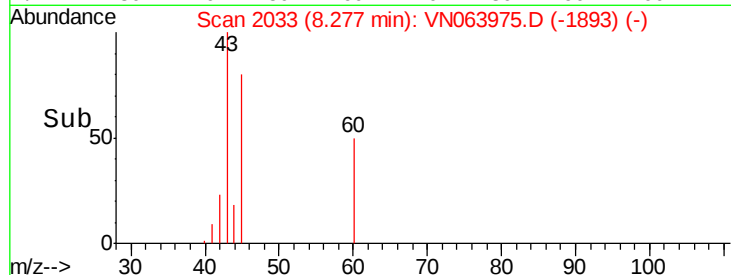
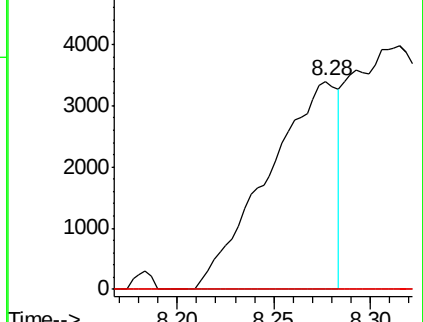
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063975.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN063975.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN063975.D (-1893) (-)



#50

Toluene-d8

Concen: 48.827 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063975.D

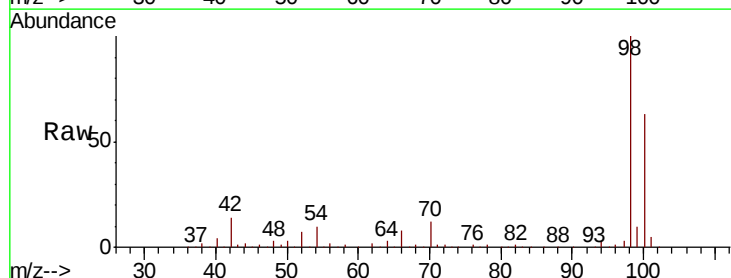
Acq: 8 Oct 2020 5:41

Tgt Ion: 98 Resp: 546427

Ion Ratio Lower Upper

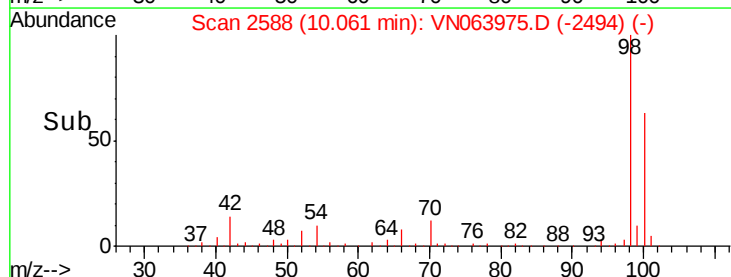
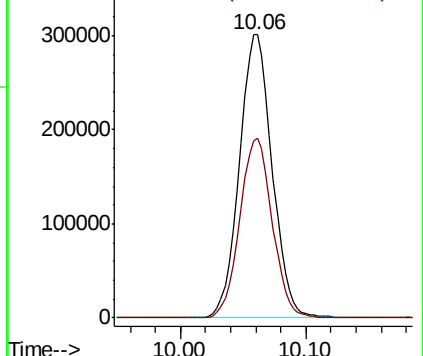
98 100

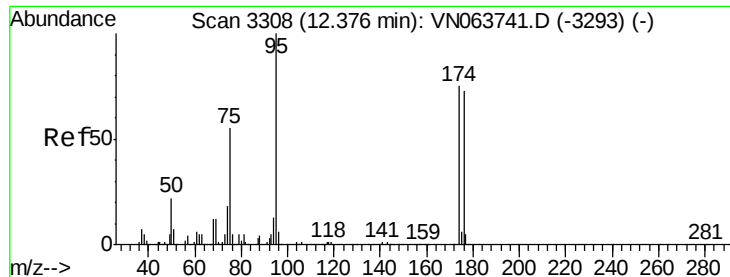
100 63.0 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063975.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN063975.D (-2494) (-)





#62

4-Bromofluorobenzene

Concen: 49.888 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

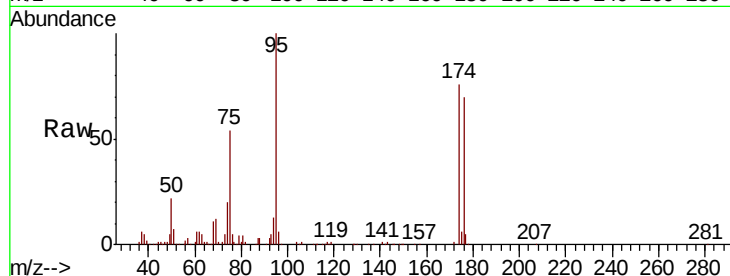
Tot Ion: 95 Resp: 209870

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.6

176 72.1 0.0 145.4

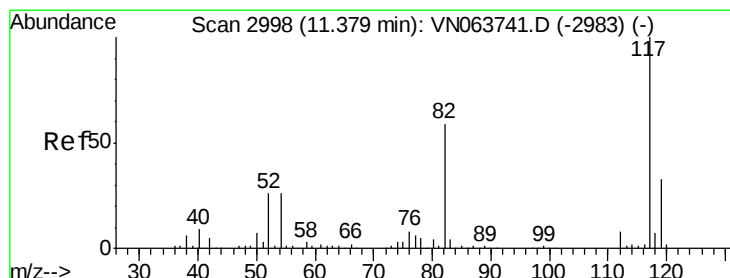
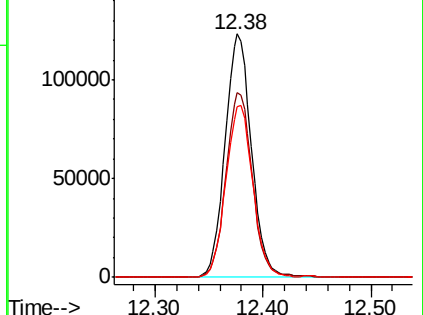
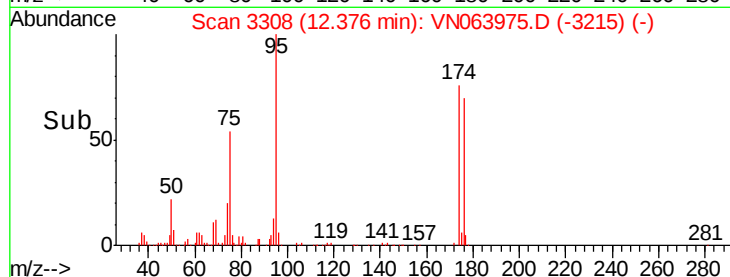


Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

12.38



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

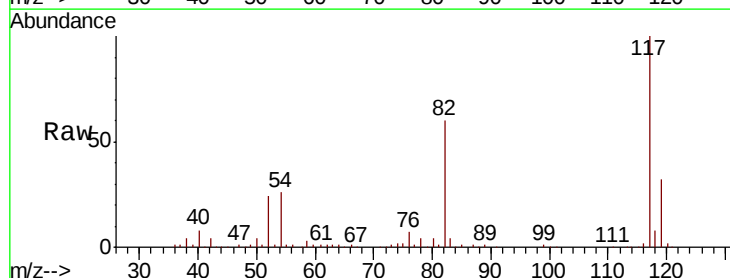
Tgt Ion: 117 Resp: 437711

Ion Ratio Lower Upper

117 100

82 59.9 47.4 71.2

119 31.9 26.4 39.6

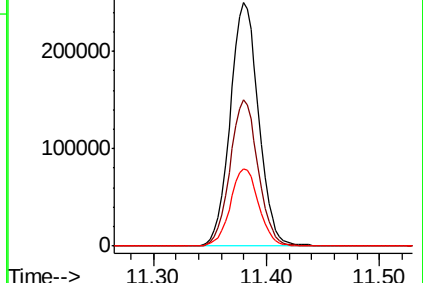
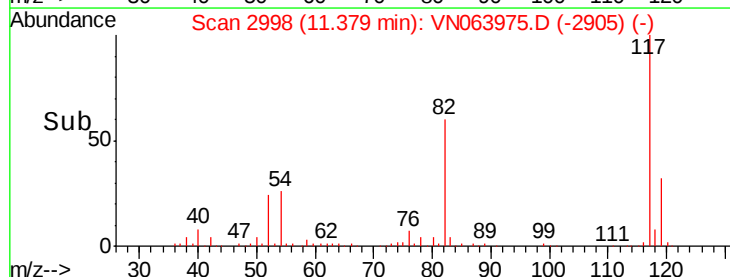


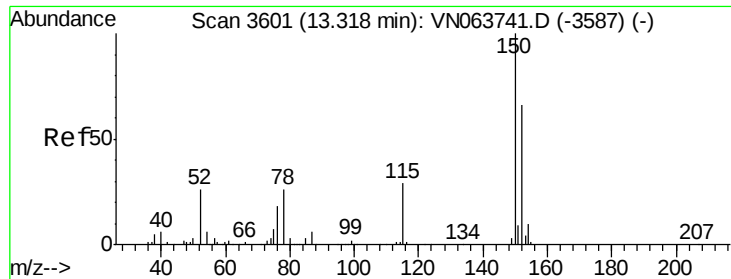
Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)

11.38



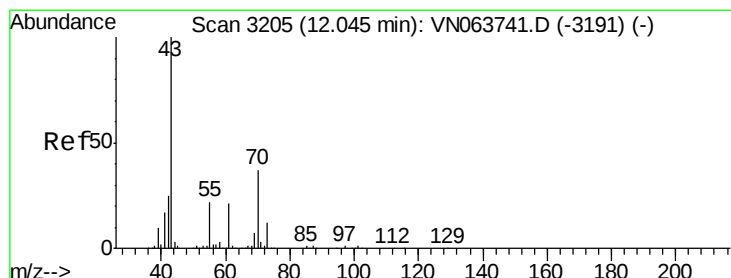
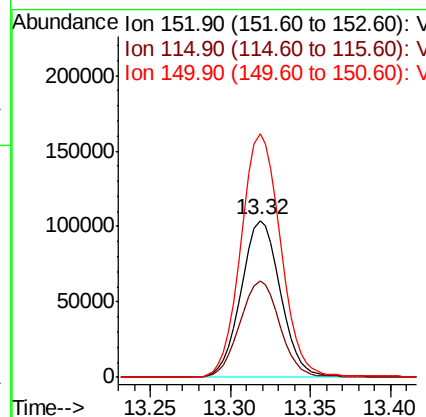
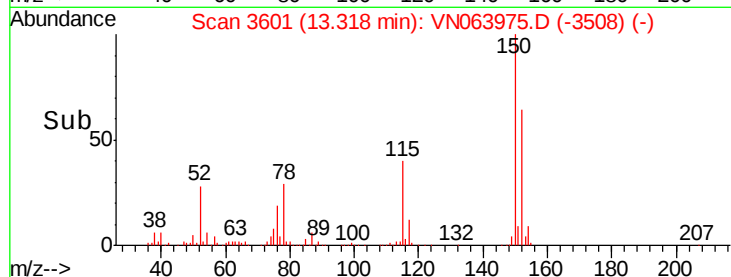
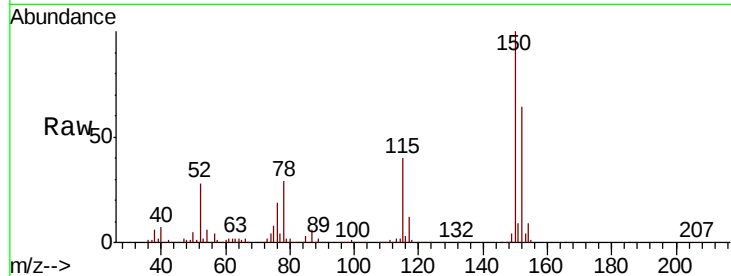


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063975.D
Acq: 8 Oct 2020 5:41

Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

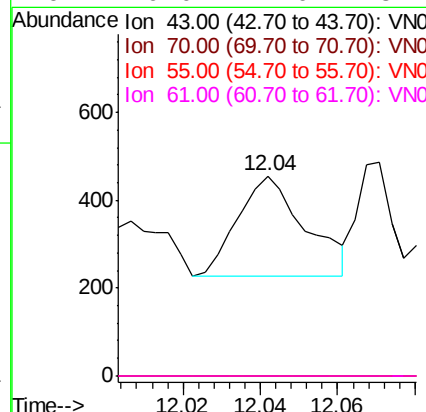
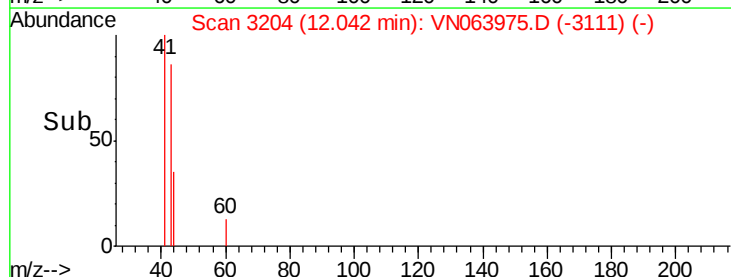
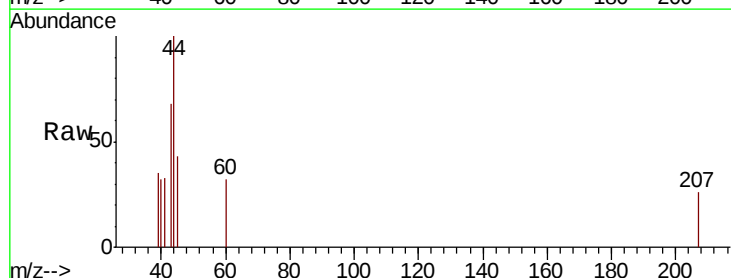
Tot Ion:152 Resp: 174823
Ion Ratio Lower Upper
152 100
115 62.6 31.3 93.8
150 156.8 0.0 341.8

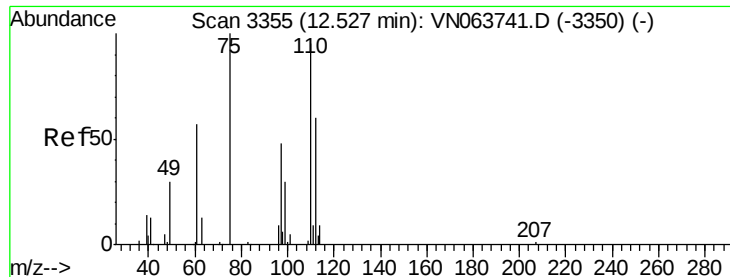


#74

N-ethyl acetate
Concen: 2.260 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN063975.D
Acq: 8 Oct 2020 5:41

Tgt Ion: 43 Resp: 275
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#





#76

1,2,3-Trichloropropane

Concen: 29.370 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Instrument :

MSVOA_N

ClientSampled :

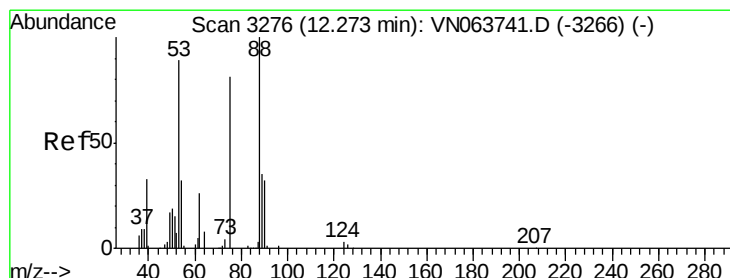
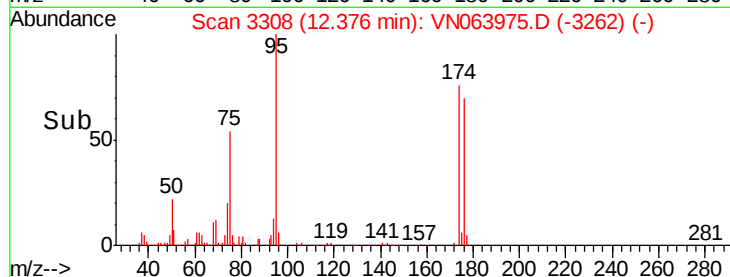
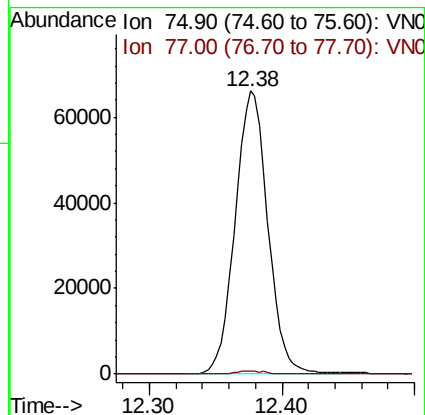
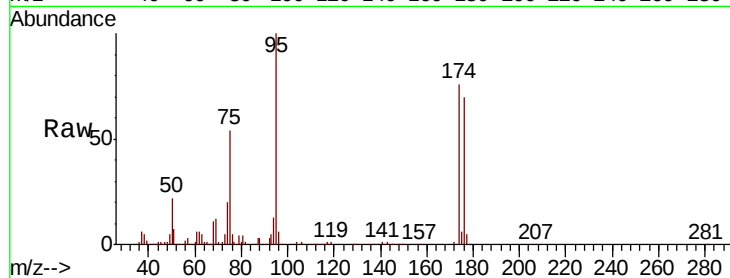
FIELD-BLANK

Tot Ion: 75 Resp: 113186

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.590 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063975.D

Acq: 8 Oct 2020 5:41

Tgt Ion: 75 Resp: 113186

Ion Ratio Lower Upper

75 100

53 0.2 88.2 132.2#

89 0.0 36.0 54.0#

