

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
 Data File : VN064497.D
 Acq On : 6 Nov 2020 20:53
 Operator : JC/MD
 Sample : L4625-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4A

Quant Time: Nov 07 03:54:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	510664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	537877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190668	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	235513	56.60	ug/l	0.00
Spiked Amount			Recovery	=	113.20%	
35) Dibromofluoromethane	7.55	113	175093	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
50) Toluene-d8	10.06	98	658504	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.38	95	245122	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	

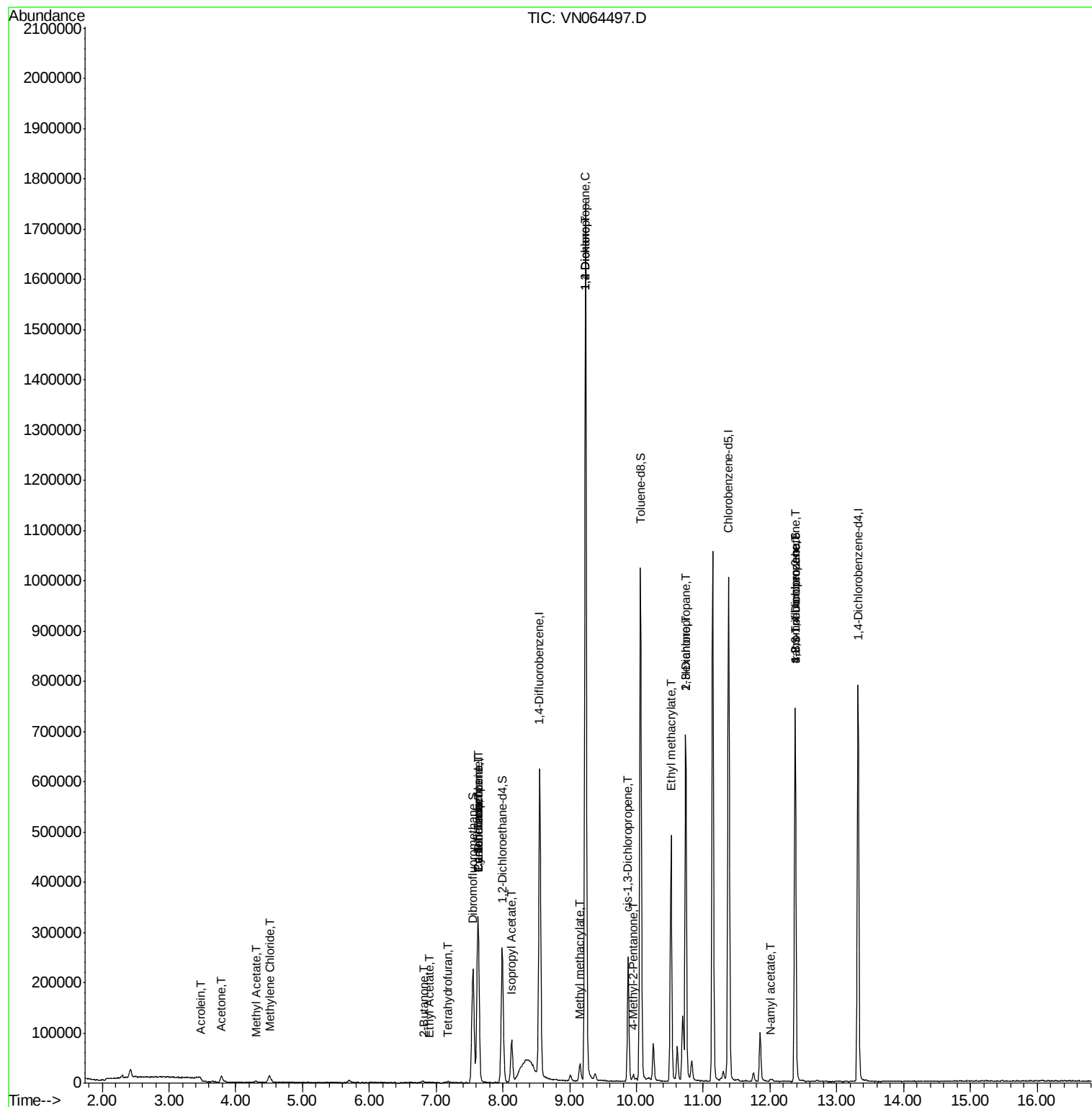
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.49	56	62	0.218	ug/l #	1
16) Acetone	3.79	43	21943	13.843	ug/l	94
18) Methyl Acetate	4.31	43	4903	1.573	ug/l #	78
20) Methylene Chloride	4.50	84	9428	2.998	ug/l #	87
25) 2-Butanone	6.81	43	3243	1.606	ug/l	94
29) Tetrahydrofuran	7.17	42	698	0.563	ug/l #	60
31) Cyclohexane	7.63	56	7266	1.436	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	22746	4.216	ug/l #	53
37) Ethyl Acetate	6.89	43	582	0.867	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26791	4.647	ug/l #	18
43) Isopropyl Acetate	8.13	43	101457	11.605	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1985	0.469	ug/l #	45
48) Methyl methacrylate	9.15	41	6456	1.463	ug/l #	15
49) 1,4-Dioxane	9.23	88	94	1.618	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	9638	1.890	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	38272	5.639	ug/l #	71
56) Ethyl methacrylate	10.51	69	3054	2.315	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6991	1.062	ug/l #	42
59) 2-Hexanone	10.74	43	107343	29.431	ug/l #	54
74) N-amyl acetate	12.01	43	2932	1.604	ug/l #	48
76) 1,2,3-Trichloropropane	12.38	75	142464	30.838	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	142464	86.104	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Instrument :

MSVOA_N

ClientSampleId :

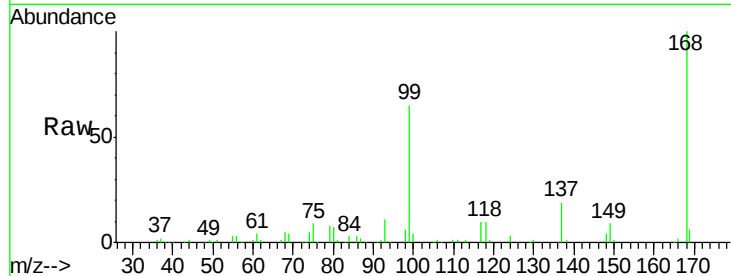
CONTAINER-002-4A

Tot Ion:168 Resp: 238900

Ion Ratio Lower Upper

168 100

99 64.7 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064497.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064497.D (-1737) (-)

7.63

100000

80000

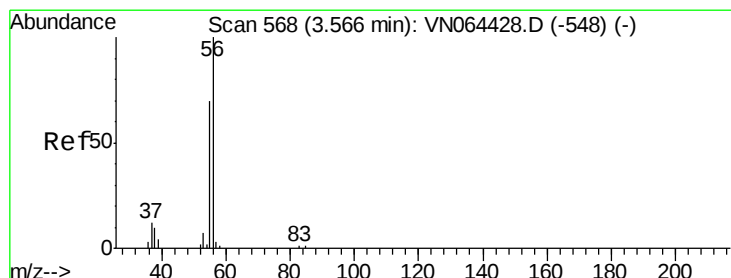
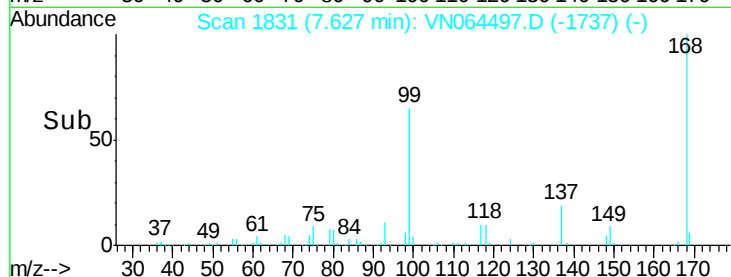
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.218 ug/l

RT: 3.49 min Scan# 545

Delta R.T. -0.07 min

Lab File: VN064497.D

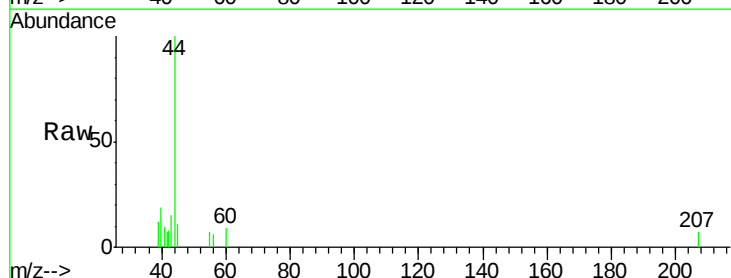
Acq: 6 Nov 2020 20:53

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 233.9 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN064497.D (-475) (-)

Ion 55.00 (54.70 to 55.70): VN064497.D (-475) (-)

250

200

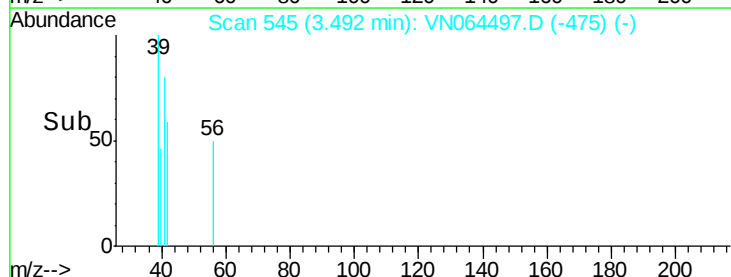
150

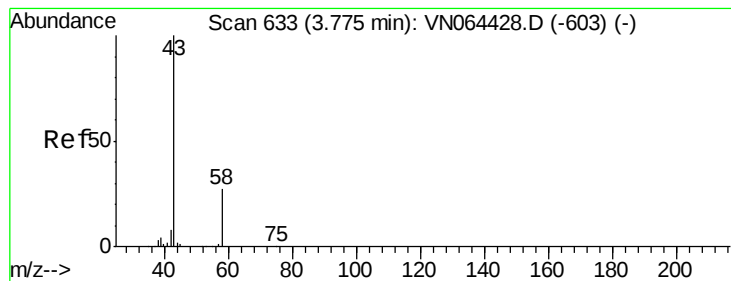
100

50

0

Time--> 3.48 3.49 3.50 3.51





#16

Acetone

Concen: 13.843 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Instrument :

MSVOA_N

ClientSampleId :

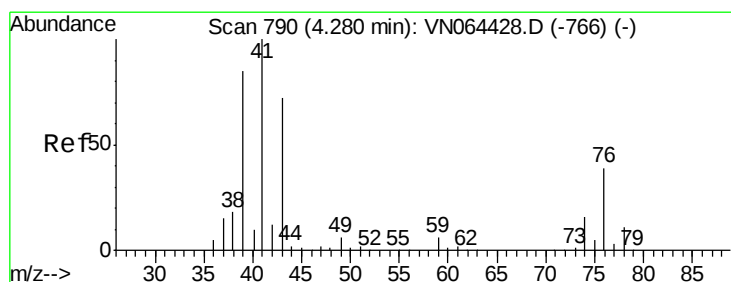
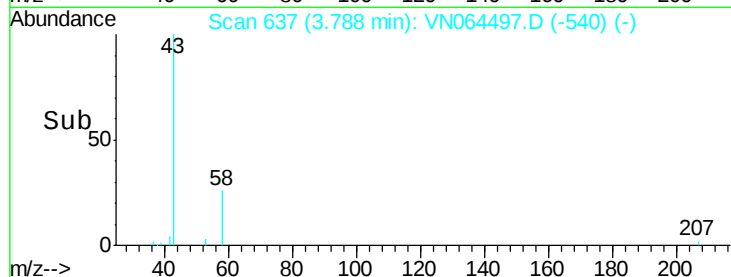
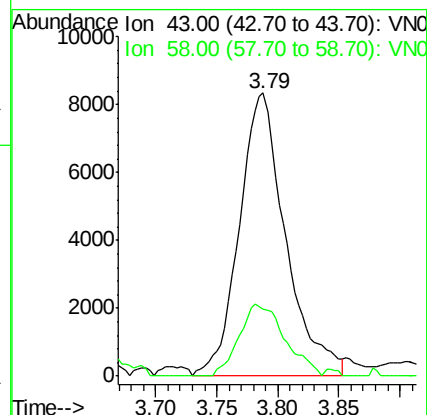
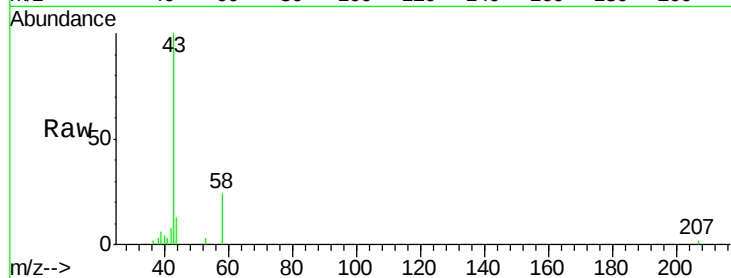
CONTAINER-002-4A

Tot Ion: 43 Resp: 21943

Ion Ratio Lower Upper

43 100

58 23.5 21.4 32.0



#18

Methyl Acetate

Concen: 1.573 ug/l

RT: 4.31 min Scan# 798

Delta R.T. 0.03 min

Lab File: VN064497.D

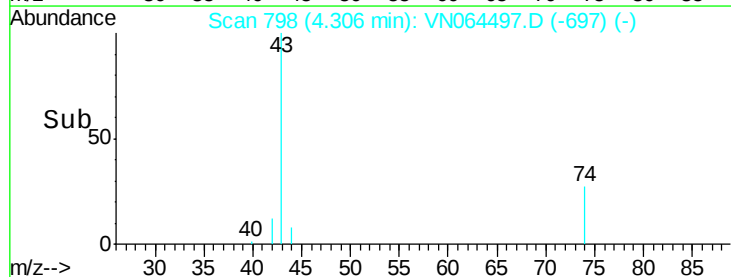
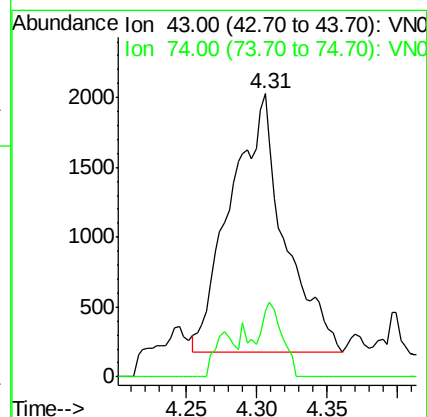
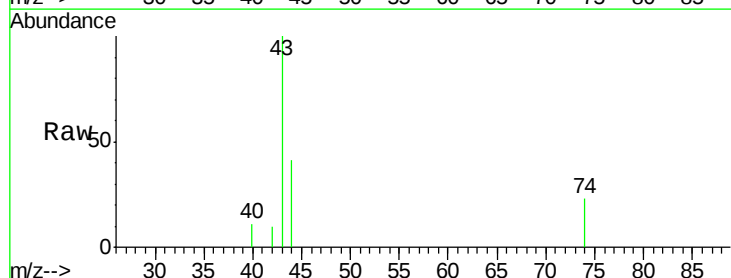
Acq: 6 Nov 2020 20:53

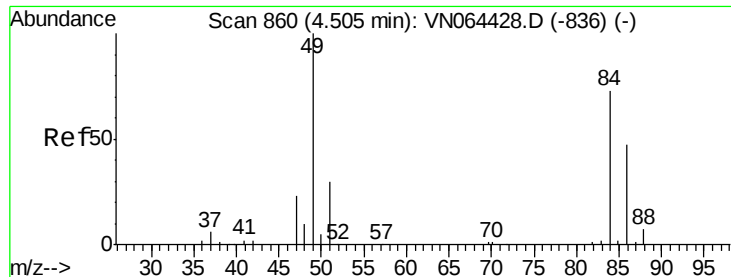
Tgt Ion: 43 Resp: 4903

Ion Ratio Lower Upper

43 100

74 11.0 17.0 25.4#

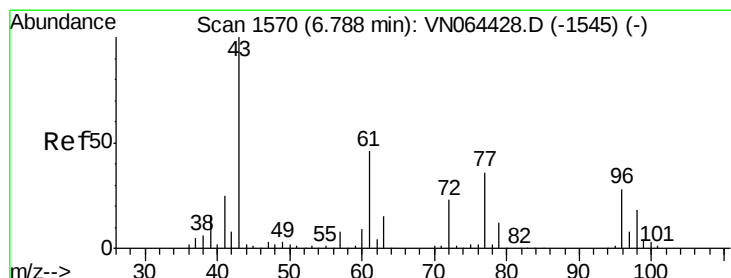
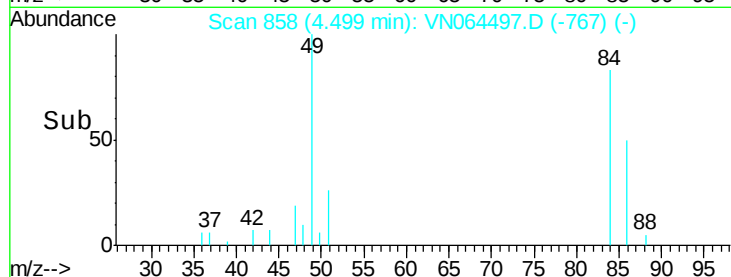
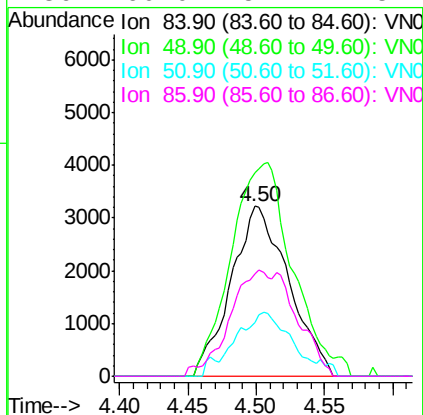
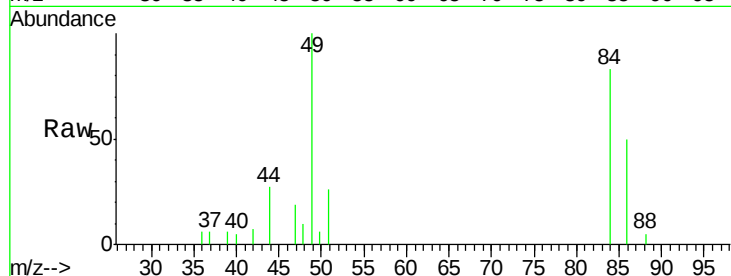




#20
Methvlene Chloride
Concen: 2.998 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064497.D
Acq: 6 Nov 2020 20:53

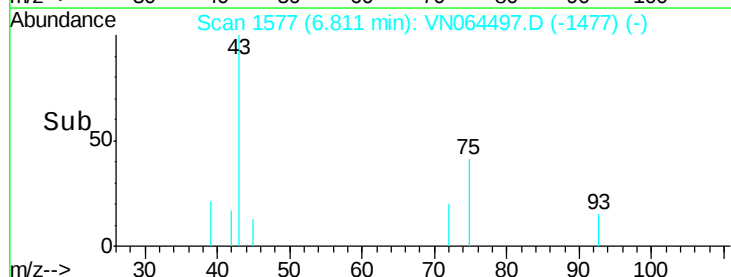
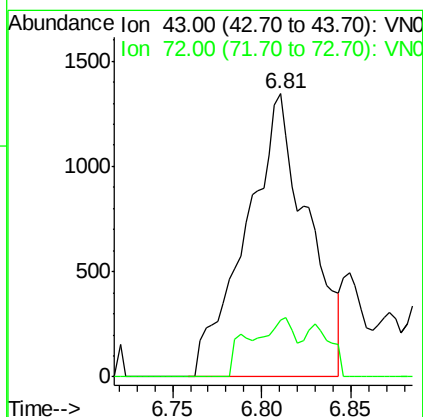
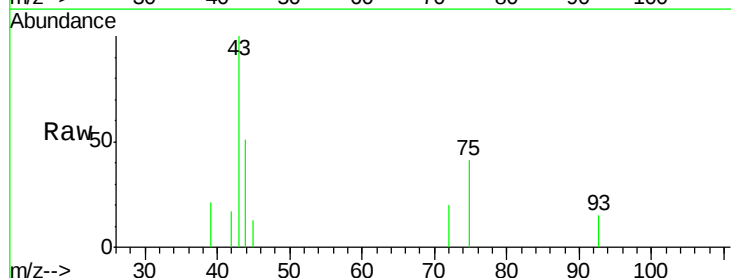
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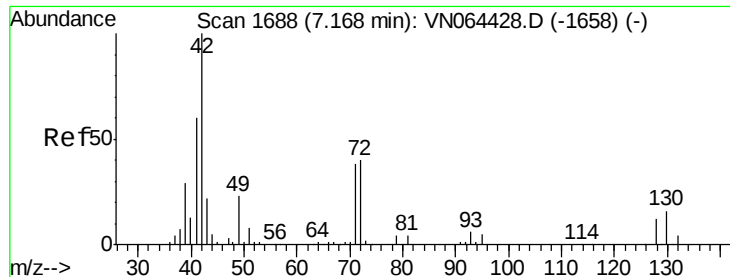
Tot Ion: 84 Resp: 9428
Ion Ratio Lower Upper
84 100
49 120.0 110.1 165.1
51 31.8 33.6 50.4#
86 60.0 52.1 78.1



#25
2-Butanone
Concen: 1.606 ug/l
RT: 6.81 min Scan# 1577
Delta R.T. 0.02 min
Lab File: VN064497.D
Acq: 6 Nov 2020 20:53

Tgt Ion: 43 Resp: 3243
Ion Ratio Lower Upper
43 100
72 20.2 18.5 27.7





#29

Tetrahydrofuran

Concen: 0.563 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-4A

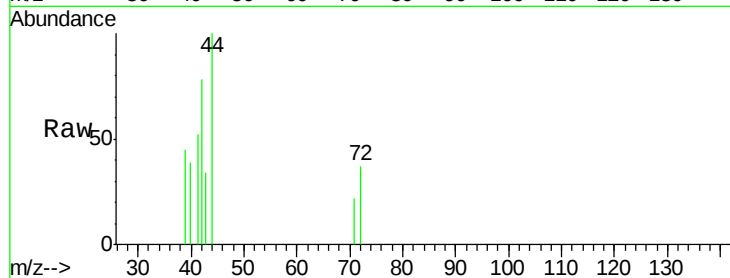
Tot Ion: 42 Resp: 698

Ion Ratio Lower Upper

42 100

72 73.5 31.7 47.5#

71 23.4 29.8 44.6#

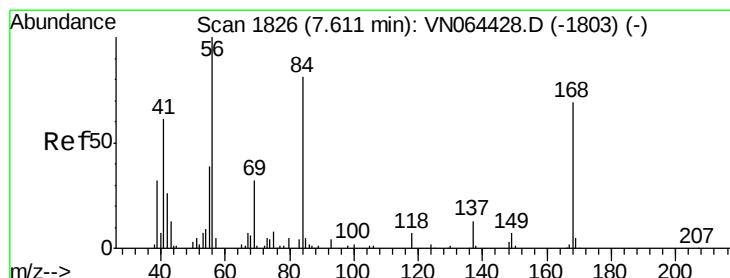
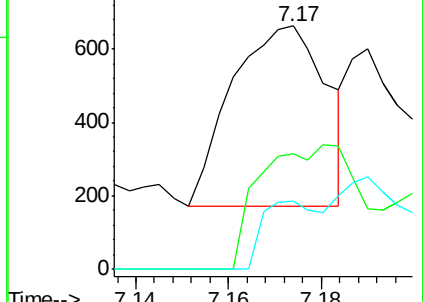
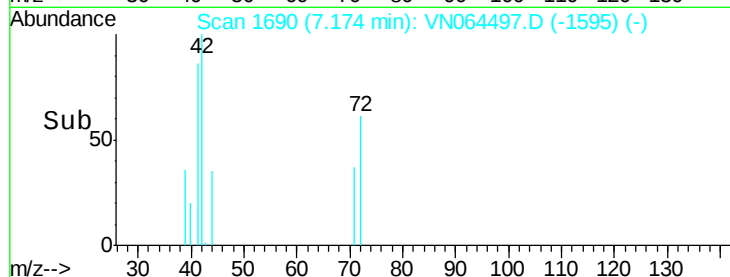


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

Time-->



#31

Cyclohexane

Concen: 1.436 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

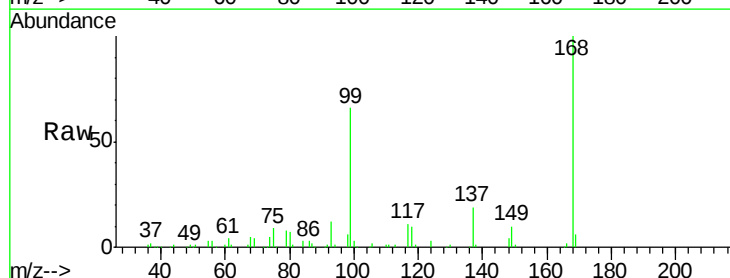
Tgt Ion: 56 Resp: 7266

Ion Ratio Lower Upper

56 100

69 149.9 25.6 38.4#

84 97.2 63.0 94.6#

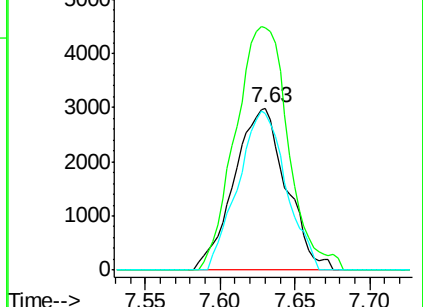
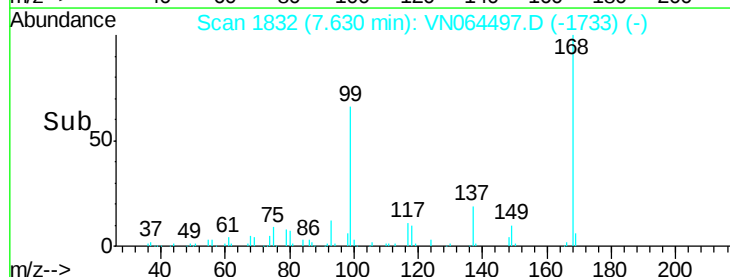


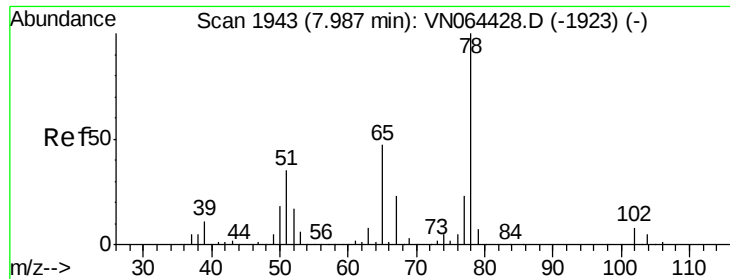
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Time-->

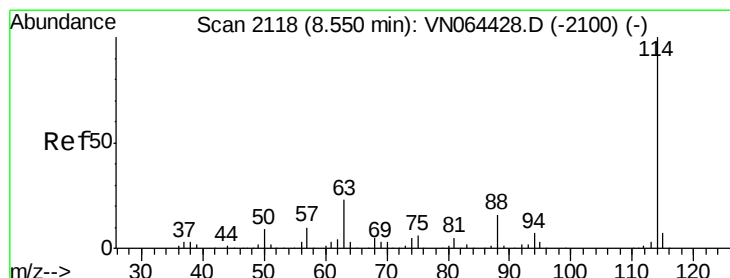
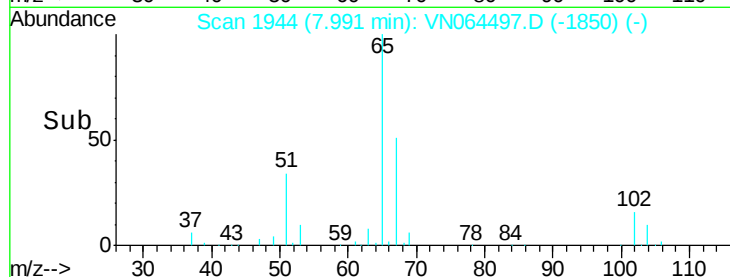
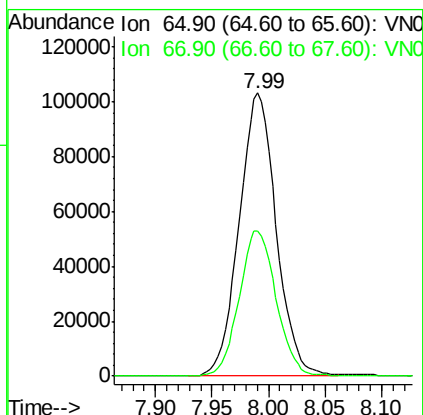
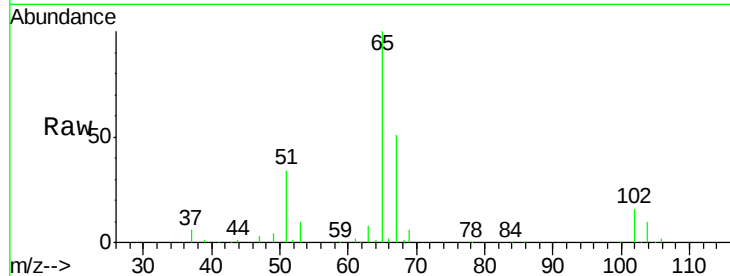




#33
 1,2-Dichloroethane-d4
 Concen: 56.596 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

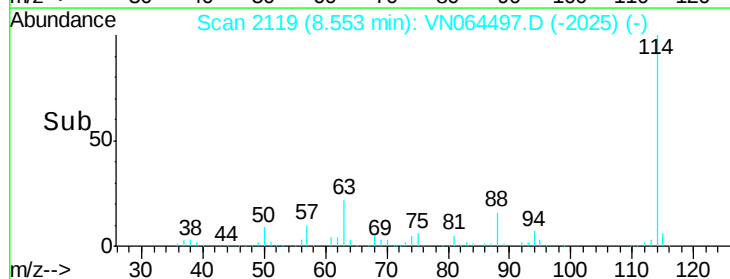
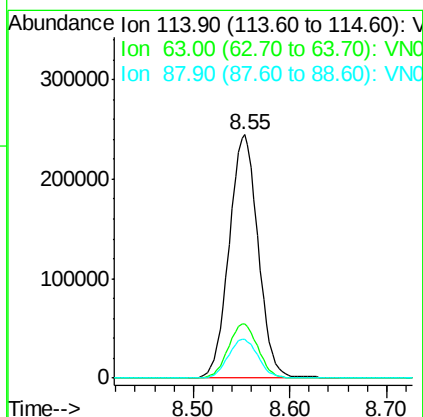
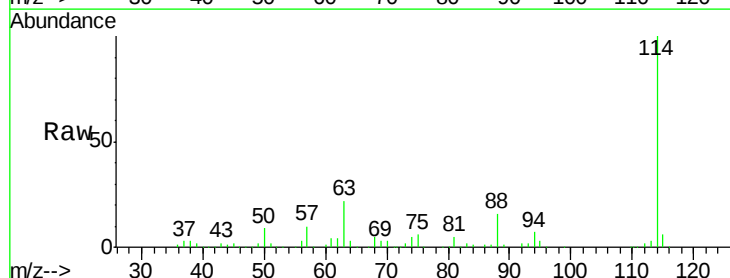
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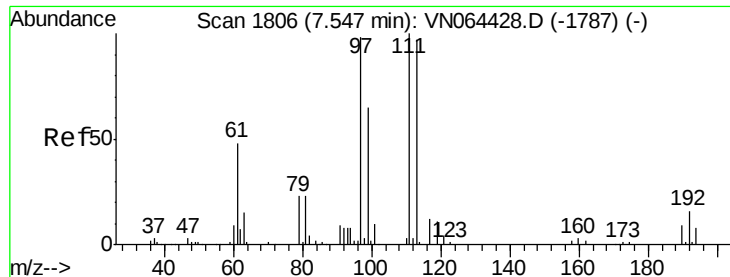
Tot Ion: 65 Resp: 23513
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

Tgt Ion: 114 Resp: 510664
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 16.0 0.0 32.8

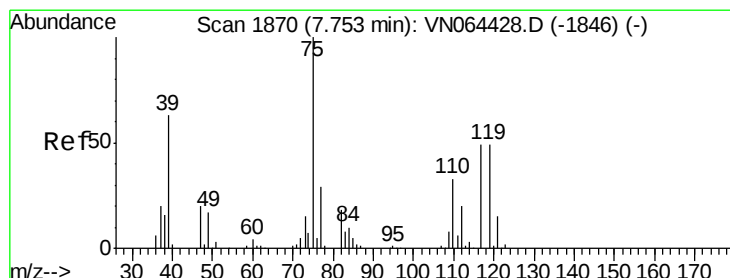
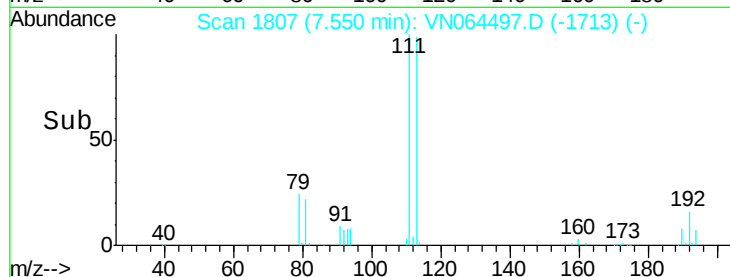
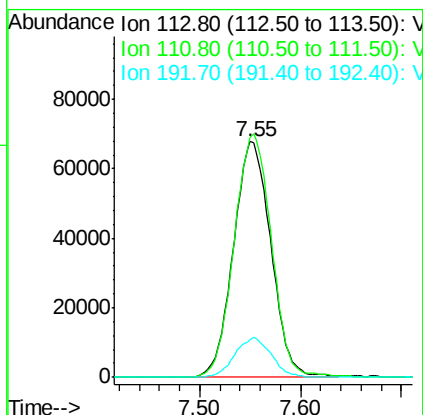
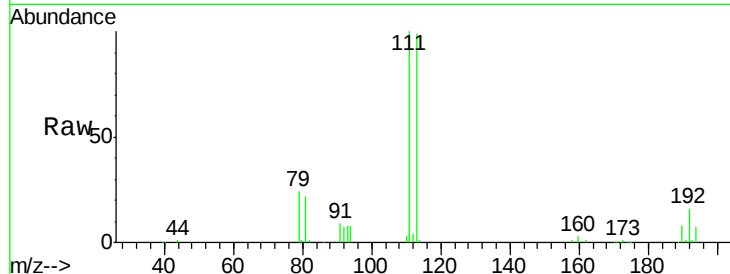




#35
 Dibromofluoromethane
 Concen: 50.359 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

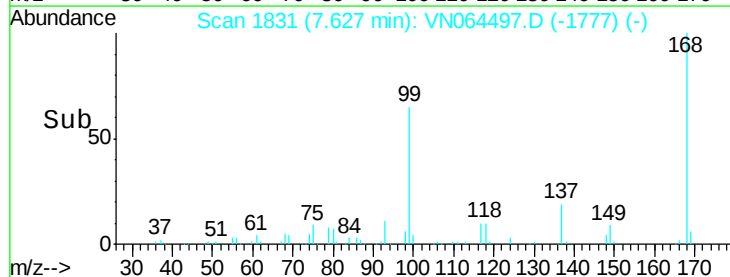
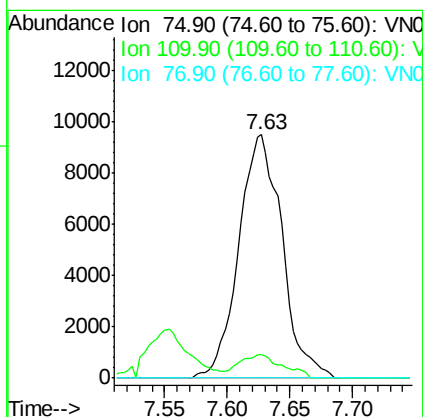
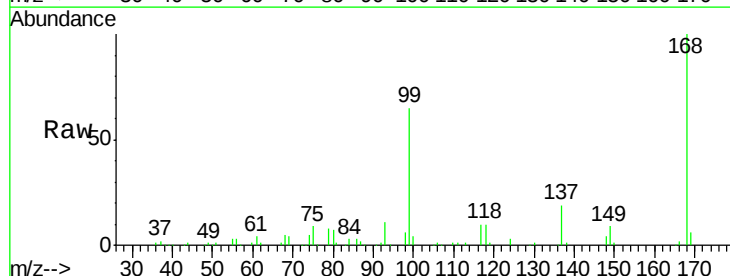
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Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.1	121.7
192	16.5	12.8	19.2



#36
 1,1-Dichloropropene
 Concen: 4.216 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	16.0	48.0#
77	0.0	24.0	36.0#

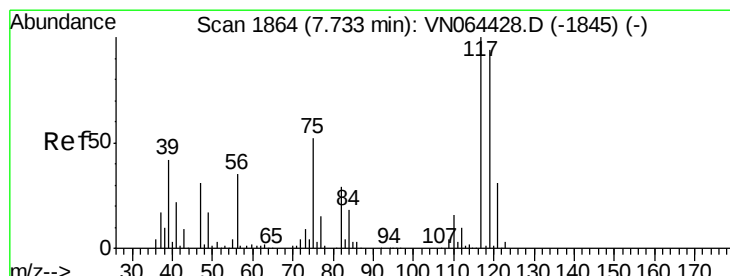
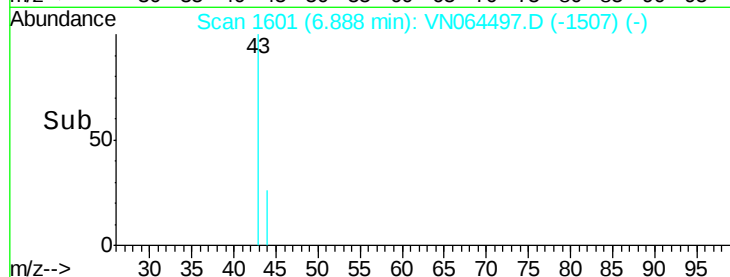
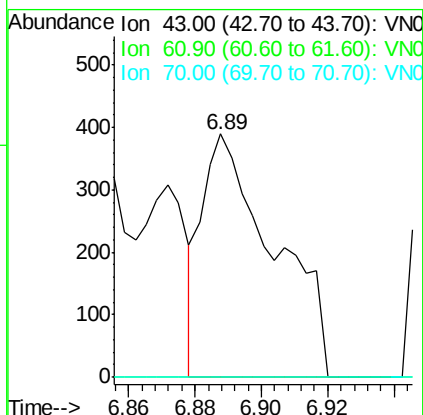
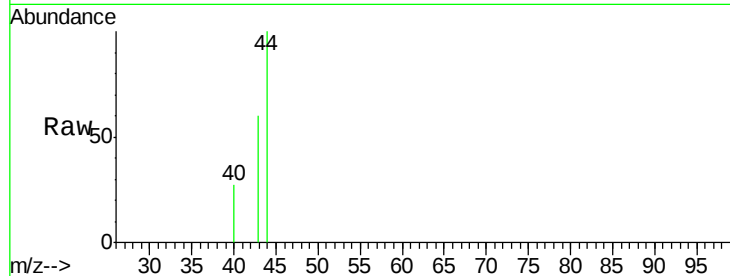




#37
Ethyl Acetate
Concen: 0.867 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064497.D
Acq: 6 Nov 2020 20:53

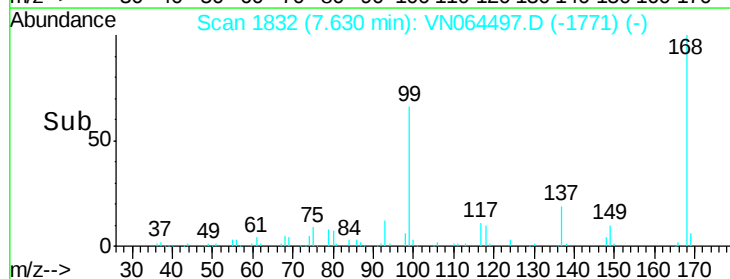
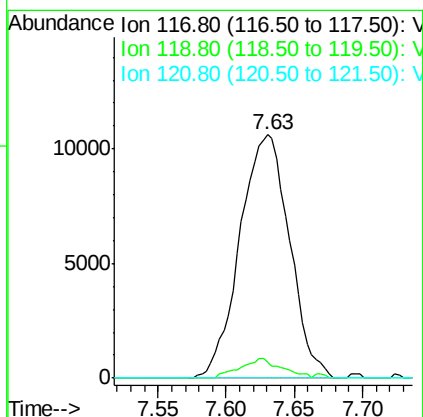
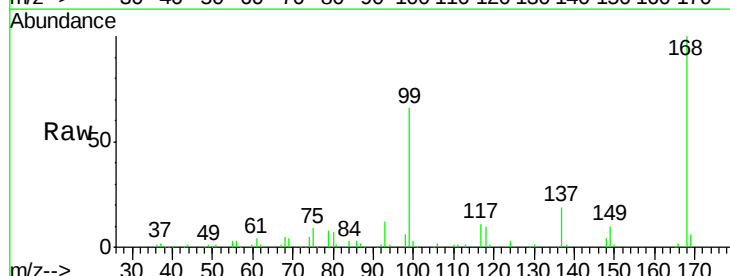
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-4A

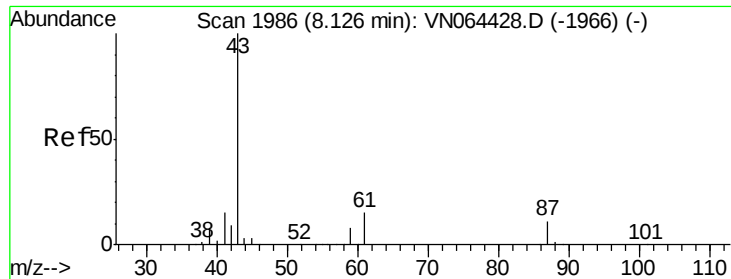
Tot Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.647 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN064497.D
Acq: 6 Nov 2020 20:53

Tgt Ion: 117 Resp: 26791
Ion Ratio Lower Upper
117 100
119 6.4 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 11.605 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-4A

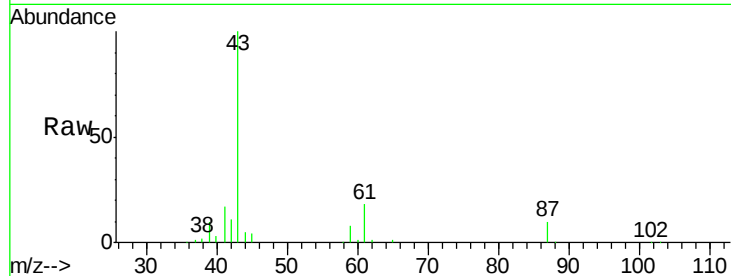
Tot Ion: 43 Resp: 101457

Ion Ratio Lower Upper

43 100

61 16.9 14.0 21.0

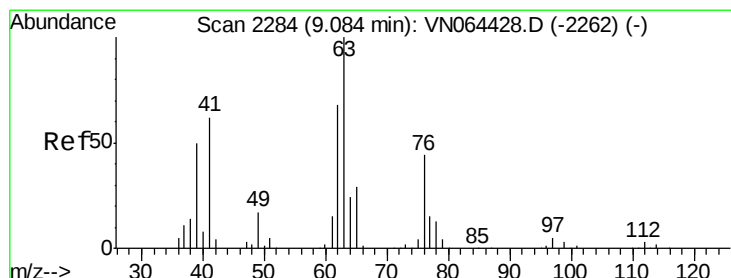
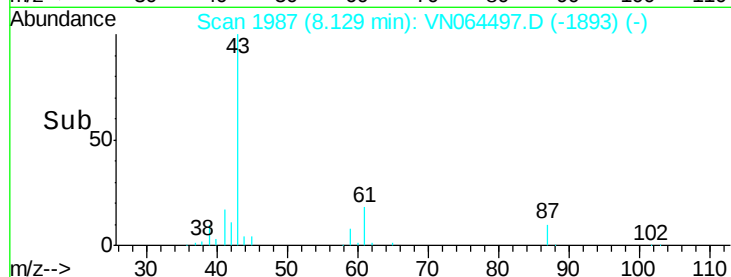
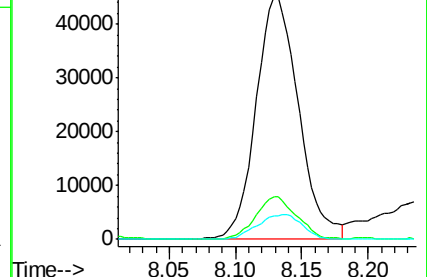
87 10.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#45

1,2-Dichloropropane

Concen: 0.469 ug/l

RT: 9.24 min Scan# 2333

Delta R.T. 0.16 min

Lab File: VN064497.D

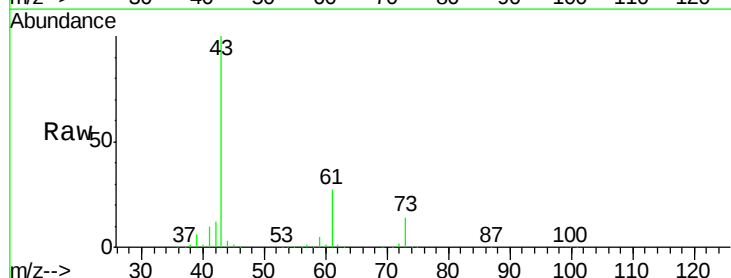
Acq: 6 Nov 2020 20:53

Tgt Ion: 63 Resp: 1985

Ion Ratio Lower Upper

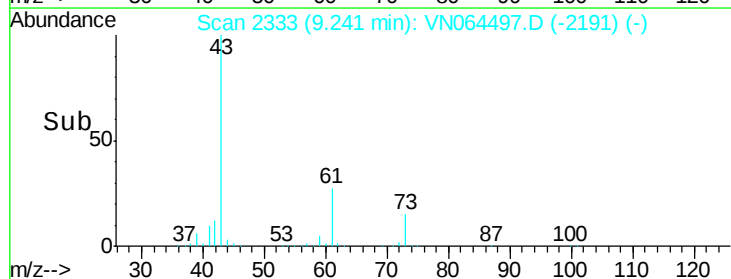
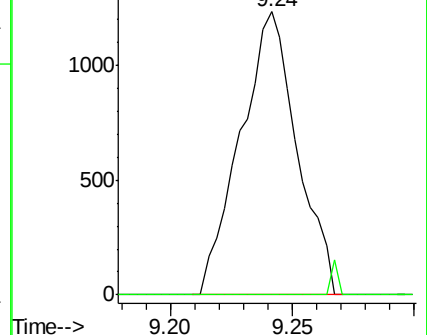
63 100

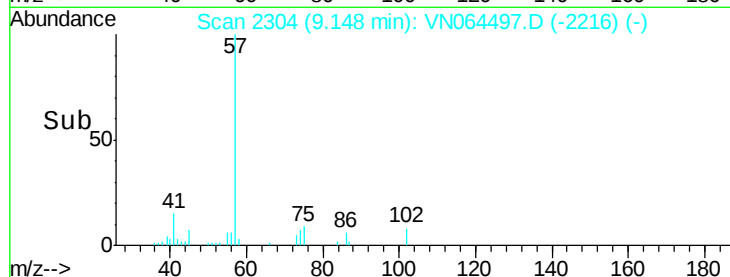
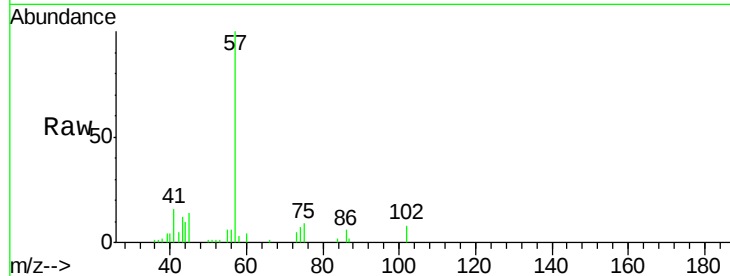
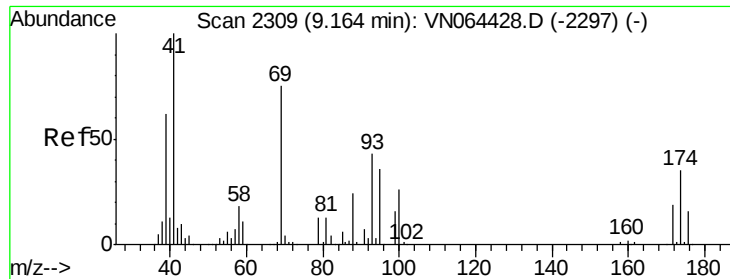
65 0.0 23.6 35.4#



Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN064428.D (-2262) (-)





#48

Methyl methacrylate

Concen: 1.463 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-4A

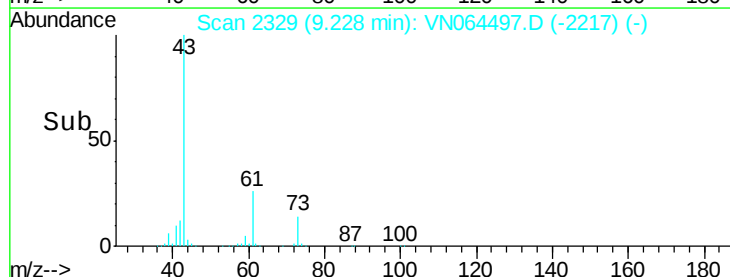
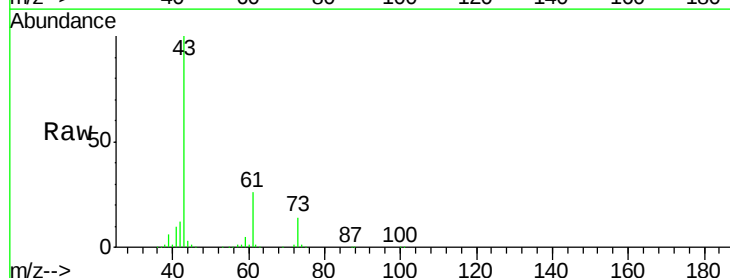
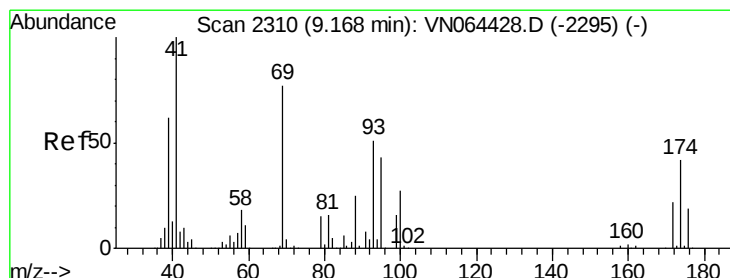
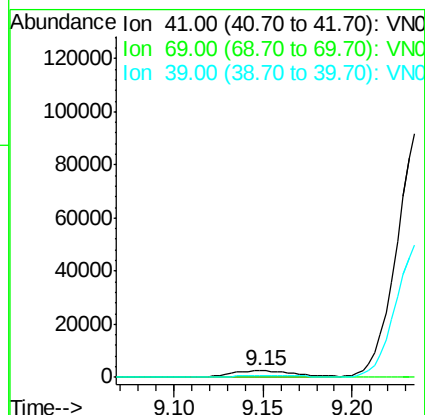
Tot Ion: 41 Resp: 6456

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 0.0 51.2 76.8#



#49

1,4-Dioxane

Concen: 1.618 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

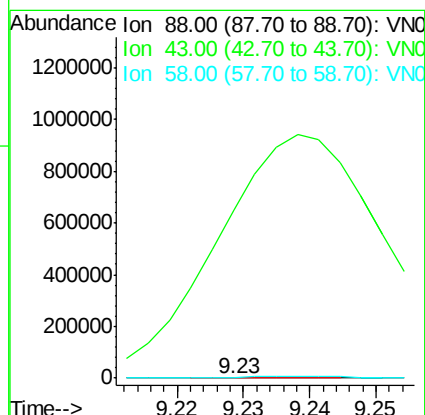
Tgt Ion: 88 Resp: 94

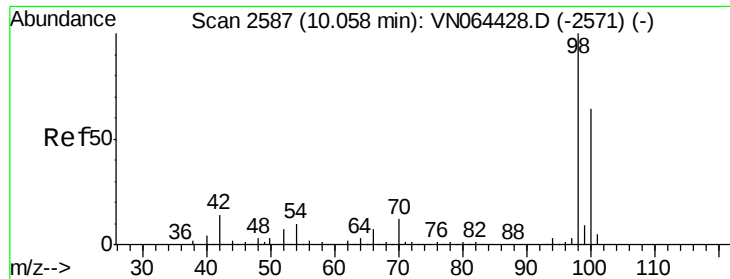
Ion Ratio Lower Upper

88 100

43 1838378.7 31.0 46.6#

58 9935.1 58.4 87.6#





#50

Toluene-d8

Concen: 49.002 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Instrument :

MSVOA_N

ClientSampleId :

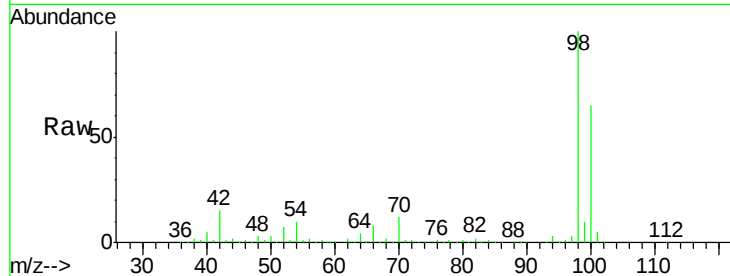
CONTAINER-002-4A

Tot Ion: 98 Resp: 658504

Ion Ratio Lower Upper

98 100

100 64.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

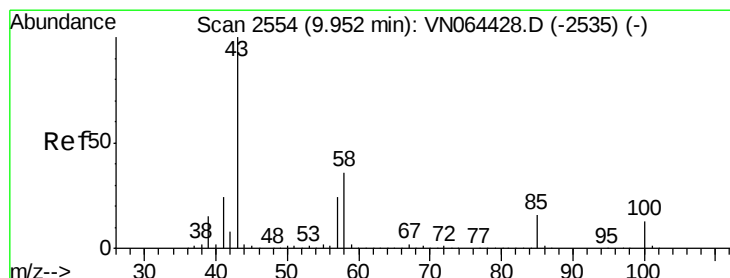
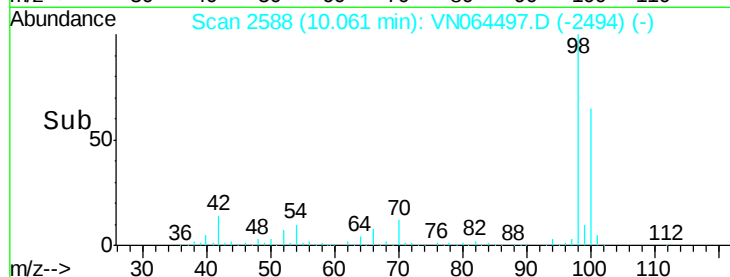
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.890 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064497.D

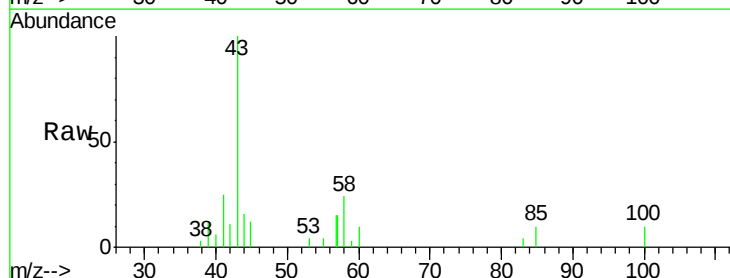
Acq: 6 Nov 2020 20:53

Tgt Ion: 43 Resp: 9638

Ion Ratio Lower Upper

43 100

58 35.4 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

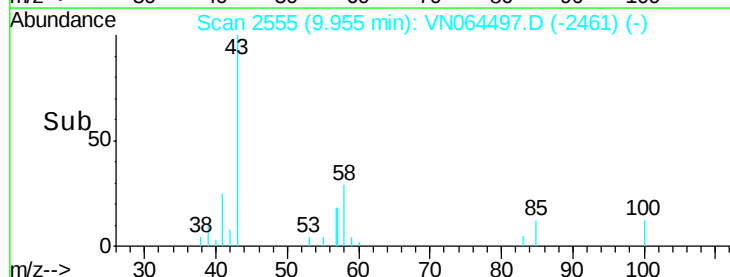
15000

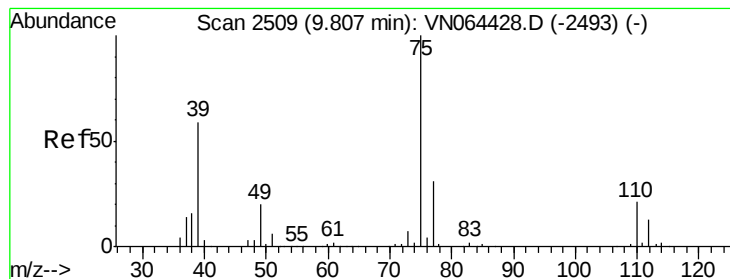
10000

5000

0

Time-->



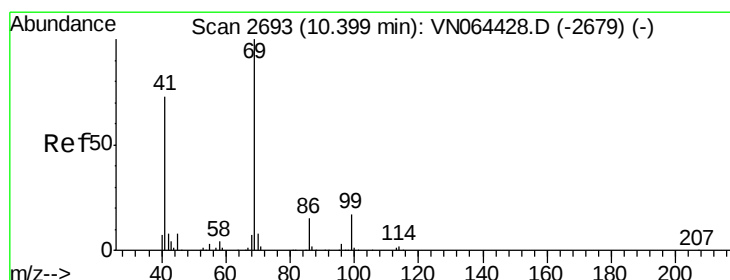
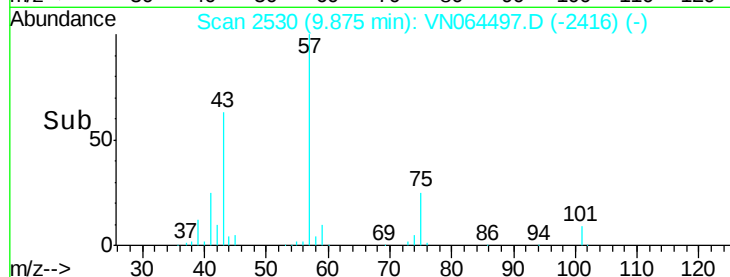
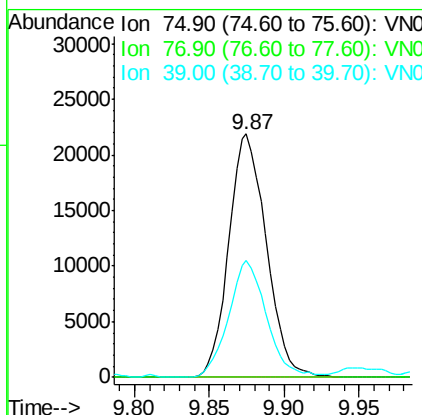
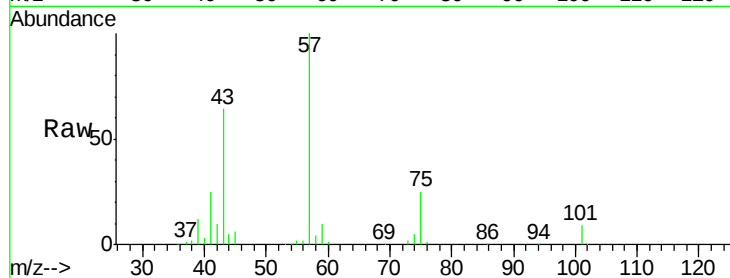


#54

cis-1,3-Dichloropropene
 Concen: 5.639 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4A

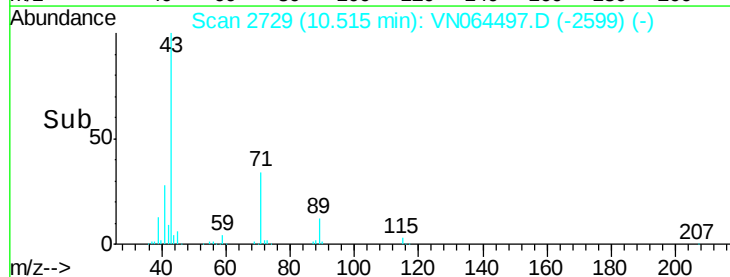
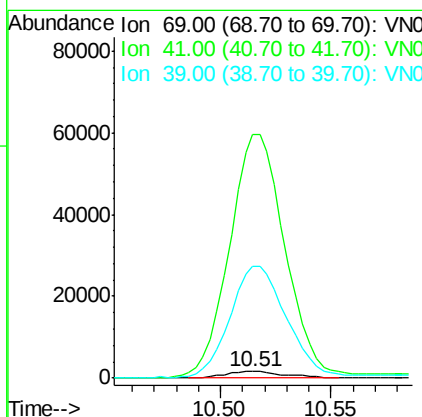
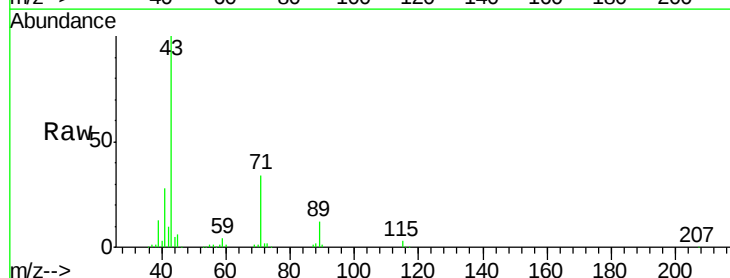
Tot Ion: 75 Resp: 38272
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 47.8 47.1 70.7

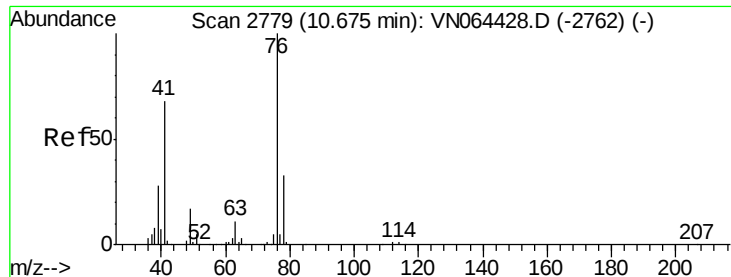


#56

Ethyl methacrylate
 Concen: 2.315 ug/l
 RT: 10.51 min Scan# 2729
 Delta R.T. 0.12 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

Tgt Ion: 69 Resp: 3054
 Ion Ratio Lower Upper
 69 100
 41 3424.9 59.3 88.9#
 39 1609.2 35.4 53.0#

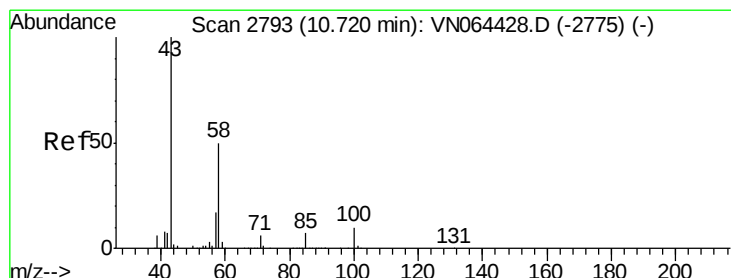
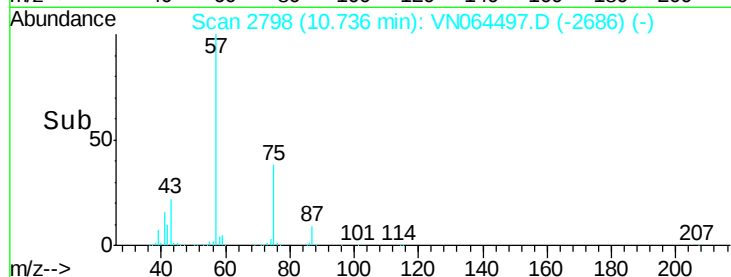
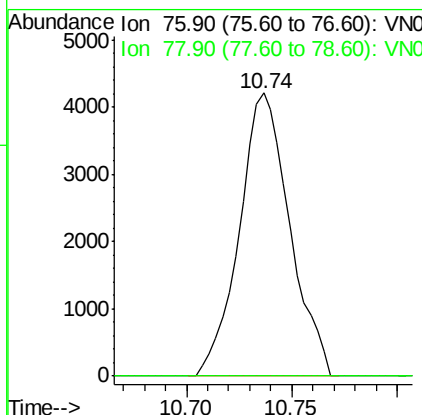
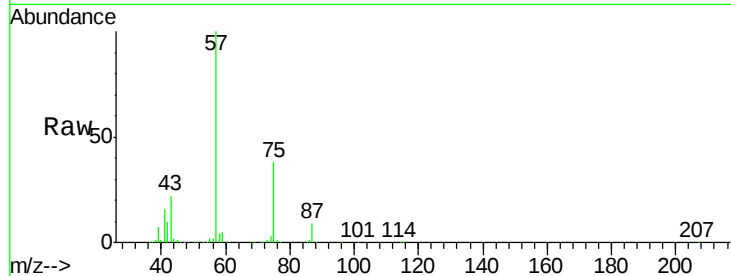




#57
 1,3-Dichloropropane
 Concen: 1.062 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

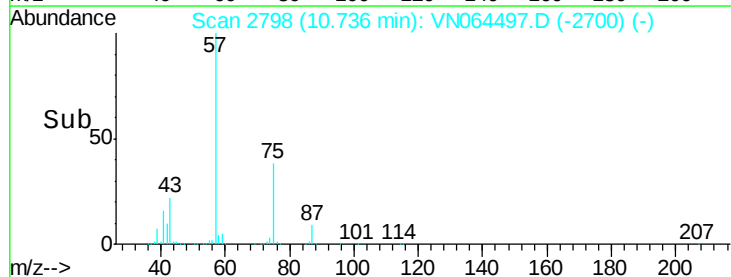
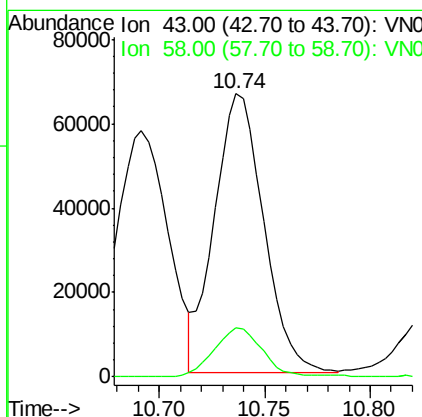
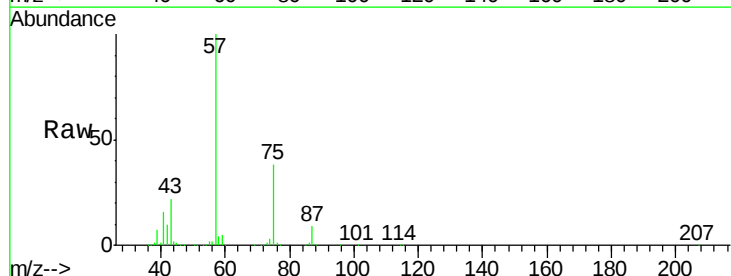
Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4A

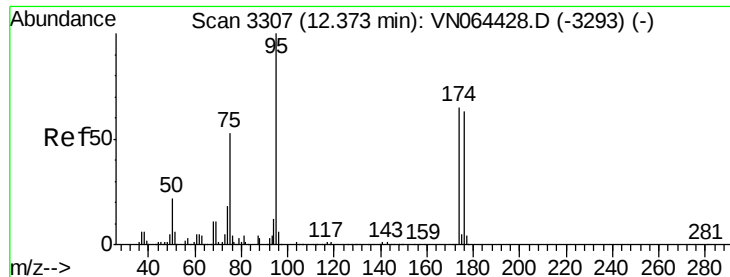
Tot Ion: 76 Resp: 6991
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#



#59
 2-Hexanone
 Concen: 29.431 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

Tgt Ion: 43 Resp: 107343
 Ion Ratio Lower Upper
 43 100
 58 17.6 24.7 74.1#

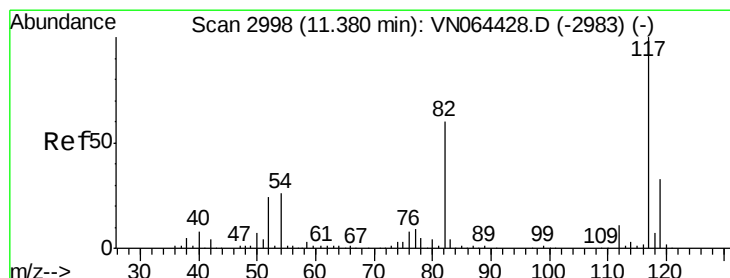
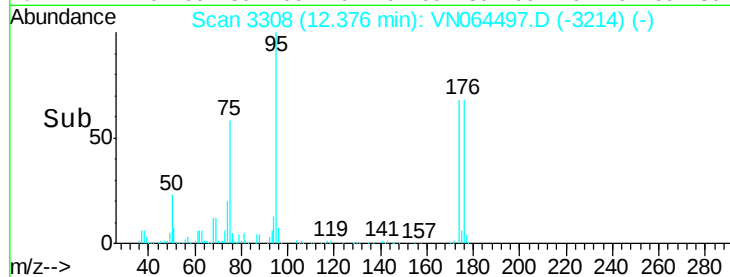
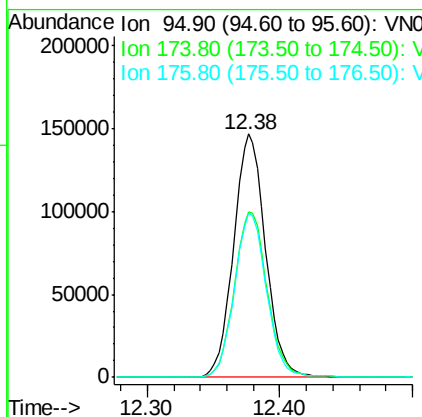
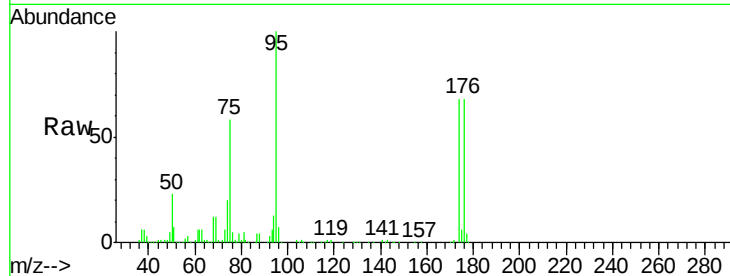




#62
4-Bromofluorobenzene
Concen: 48.231 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064497.D
Acq: 6 Nov 2020 20:53

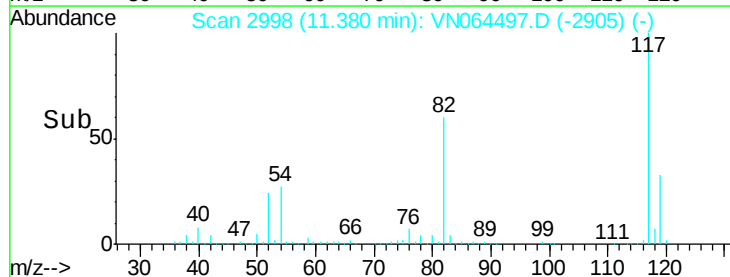
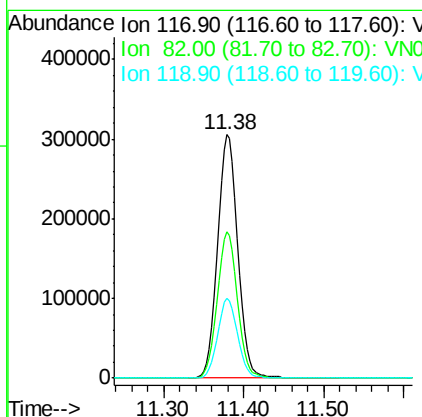
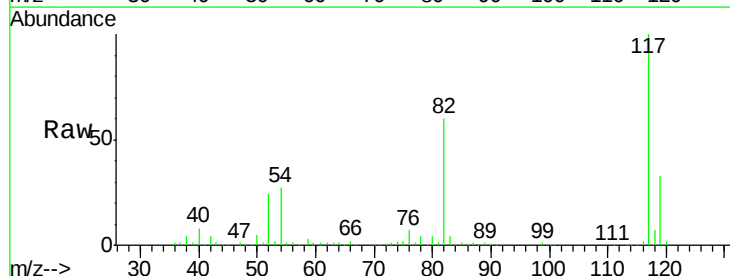
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-4A

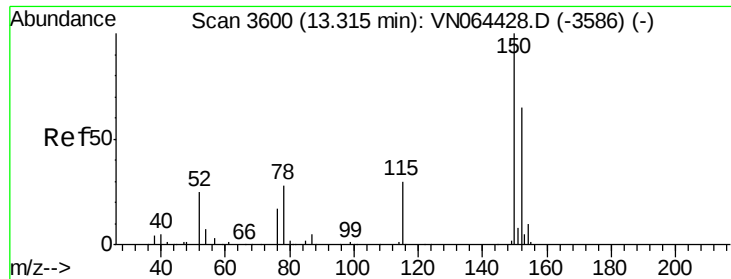
Tot Ion: 95 Resp: 245122
Ion Ratio Lower Upper
95 100
174 70.0 0.0 132.6
176 67.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064497.D
Acq: 6 Nov 2020 20:53

Tgt Ion: 117 Resp: 537877
Ion Ratio Lower Upper
117 100
82 59.9 48.1 72.1
119 32.7 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-4A

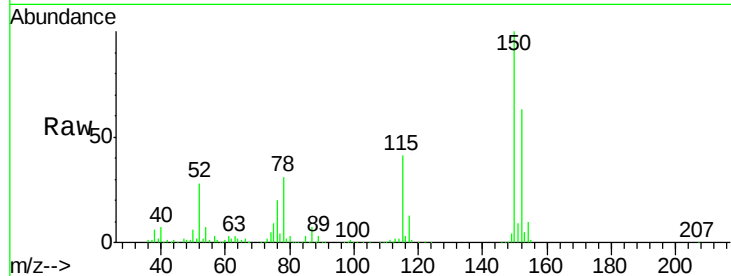
Tot Ion:152 Resp: 190668

Ion Ratio Lower Upper

152 100

115 67.1 32.0 96.0

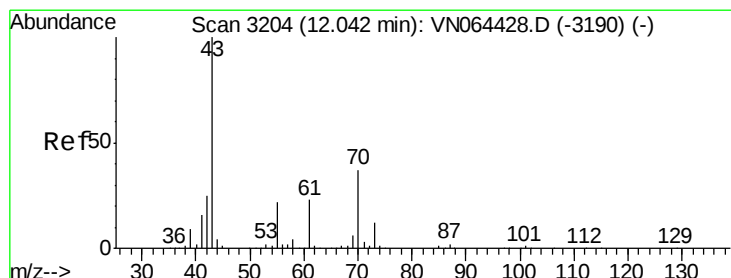
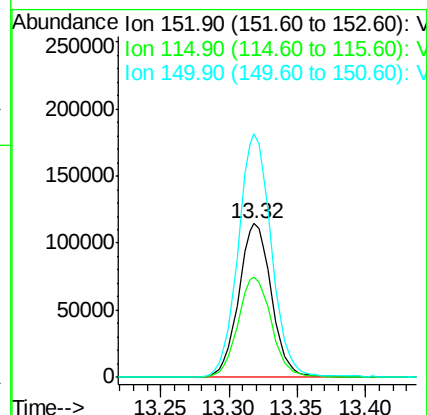
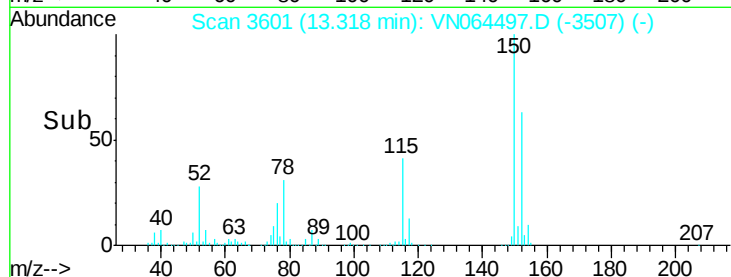
150 161.8 0.0 353.8



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: 1.604 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN064497.D

Acq: 6 Nov 2020 20:53

Tgt Ion: 43 Resp: 2932

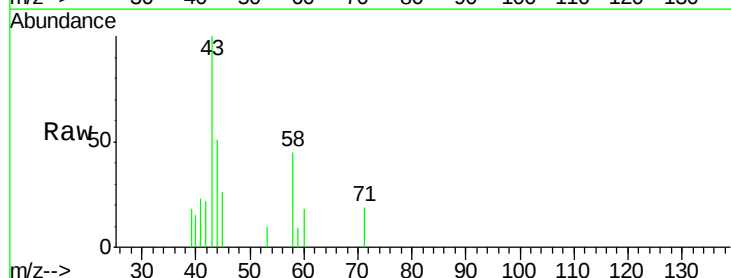
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 3.5 18.4 27.6#

61 0.0 17.8 26.6#

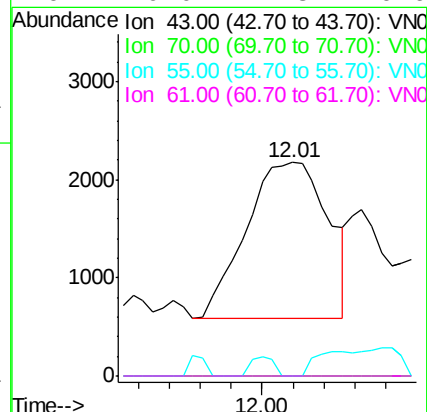
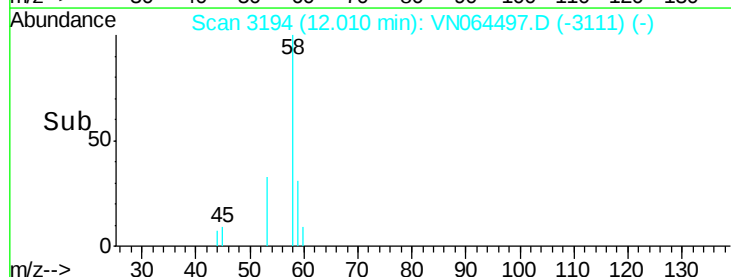


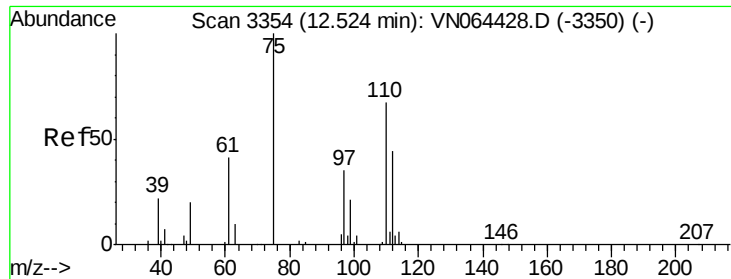
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

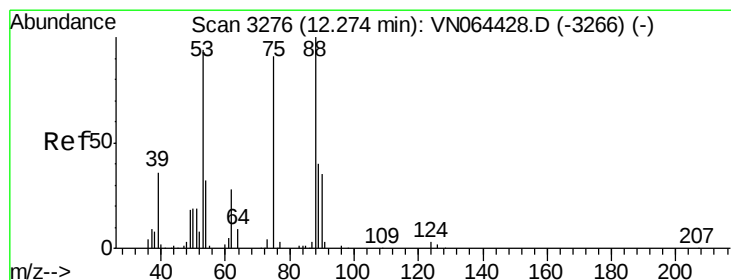
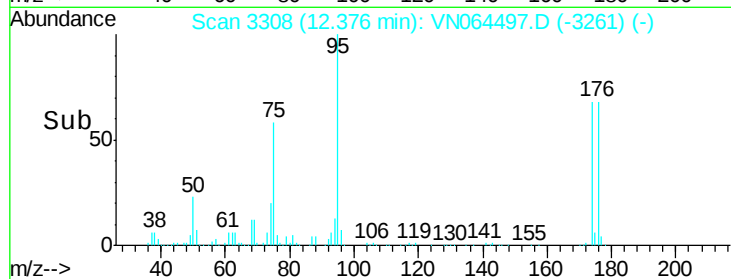
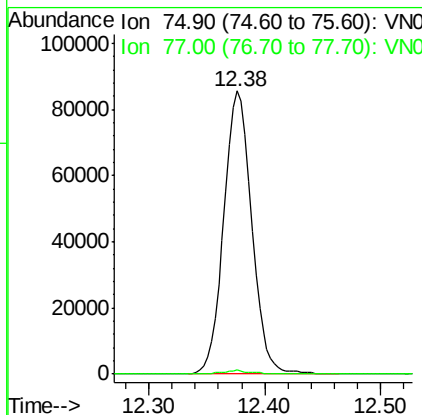
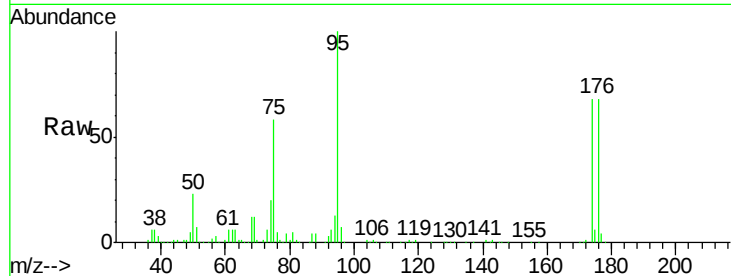




#76
 1,2,3-Trichloropropane
 Concen: 30.838 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-4A

Tot Ion: 75 Resp: 142464
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.104 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064497.D
 Acq: 6 Nov 2020 20:53

Tgt Ion: 75 Resp: 142464
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.0 126.0#
 89 0.0 36.3 54.5#

