

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
 Data File : VN064499.D
 Acq On : 6 Nov 2020 21:41
 Operator : JC/MD
 Sample : L4625-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CONTAINER-002-2B

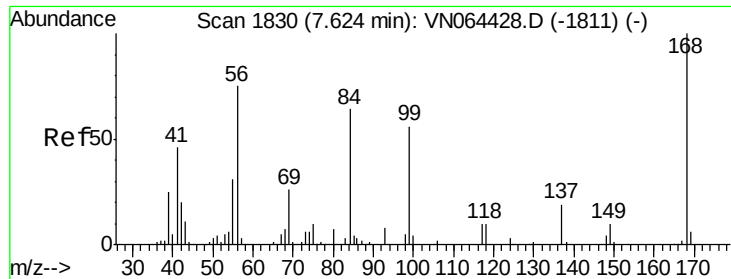
Quant Time: Nov 07 03:55:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	233731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	505548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	532865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188722	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	233803	57.43	ug/l	0.00
Spiked Amount			Recovery	=	114.86%	
35) Dibromofluoromethane	7.55	113	172704	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	10.06	98	654674	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.38	95	244412	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	141	0.314	ug/l #	71
16) Acetone	3.78	43	22229	14.334	ug/l	97
18) Methyl Acetate	4.29	43	5583	1.831	ug/l #	80
20) Methylene Chloride	4.50	84	9078	2.950	ug/l	99
25) 2-Butanone	6.80	43	2860	1.447	ug/l	92
29) Tetrahydrofuran	7.17	42	1761	1.453	ug/l #	45
31) Cyclohexane	7.63	56	7018	1.418	ug/l #	5
36) 1,1-Dichloropropene	7.62	75	22393	4.193	ug/l #	52
37) Ethyl Acetate	6.87	43	242	0.806	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26439	4.632	ug/l #	16
43) Isopropyl Acetate	8.14	43	101285	11.702	ug/l	99
45) 1,2-Dichloropropane	9.24	63	2149	0.513	ug/l #	45
48) Methyl methacrylate	9.15	41	6407	1.467	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	9359	1.854	ug/l	97
54) cis-1,3-Dichloropropene	9.87	75	37066	5.517	ug/l #	67
56) Ethyl methacrylate	10.53	69	3122	2.331	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5672	0.870	ug/l #	42
59) 2-Hexanone	10.74	43	82965	23.861	ug/l #	56
71) Bromoform	12.37	173	736	1.494	ug/l #	1
74) N-amyl acetate	12.01	43	3038	1.622	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	138946	30.387	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	138946	84.843	ug/l #	8
95) Naphthalene	15.12	128	70	3.629	ug/l #	69

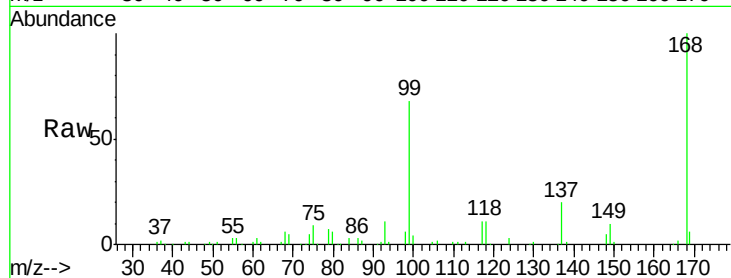
(#) = qualifier out of range (m) = manual integration (+) = signals summed



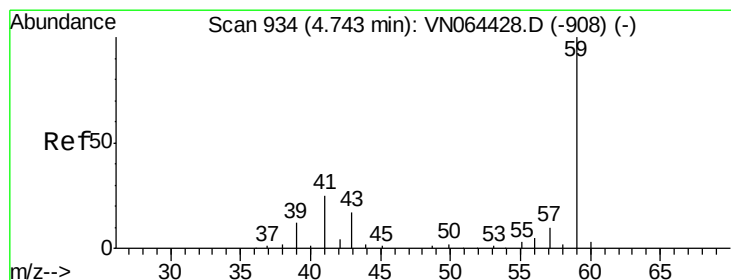
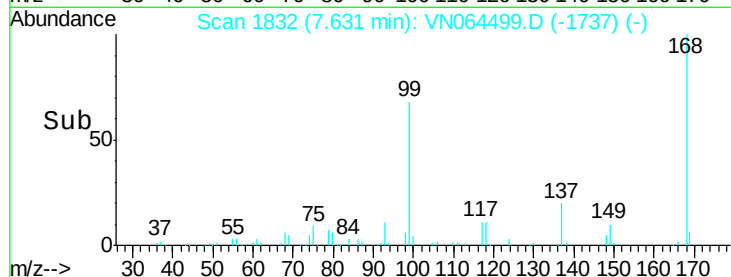
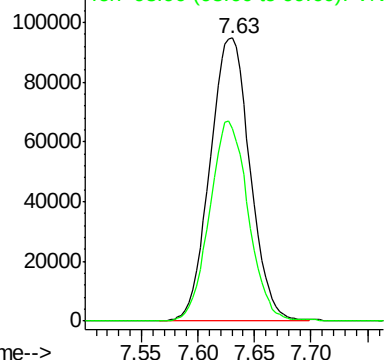
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

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MSVOA_N
ClientSampleId :
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Tot Ion:168 Resp: 233731
Ion Ratio Lower Upper
168 100
99 67.9 53.4 80.2

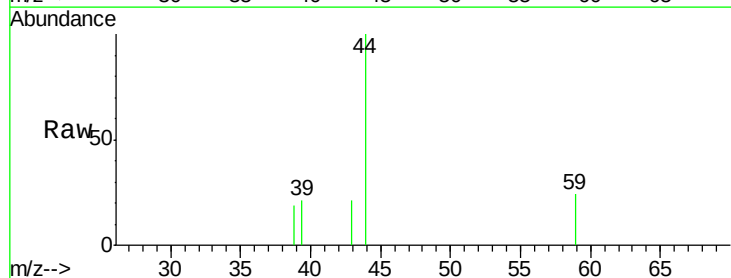


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

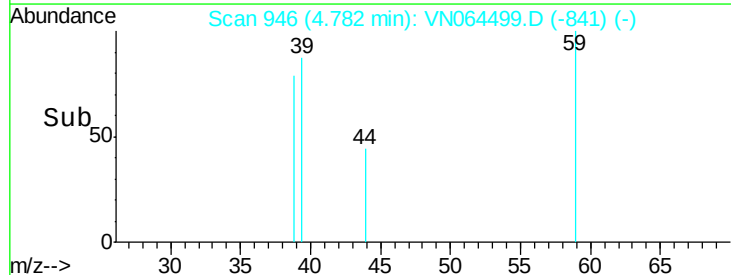
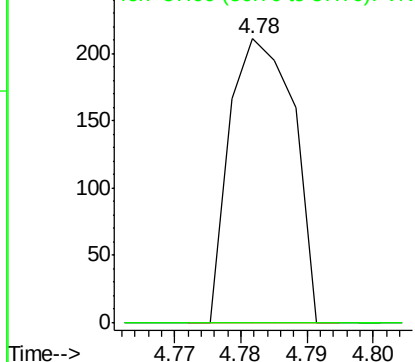


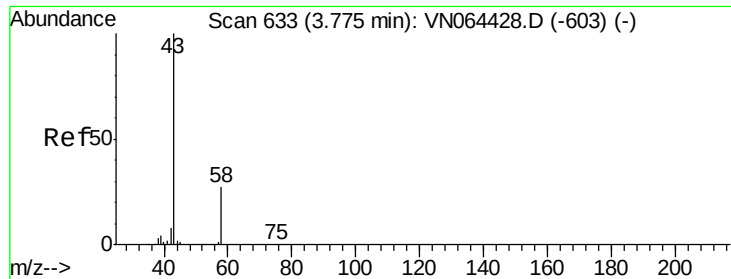
#11
Tert butyl alcohol
Concen: 0.314 ug/l
RT: 4.78 min Scan# 946
Delta R.T. 0.04 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN
Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 14.334 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

Instrument :

MSVOA_N

ClientSampleId :

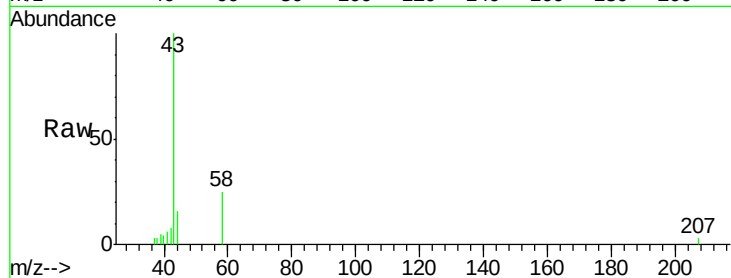
CONTAINER-002-2B

Tot Ion: 43 Resp: 22229

Ion Ratio Lower Upper

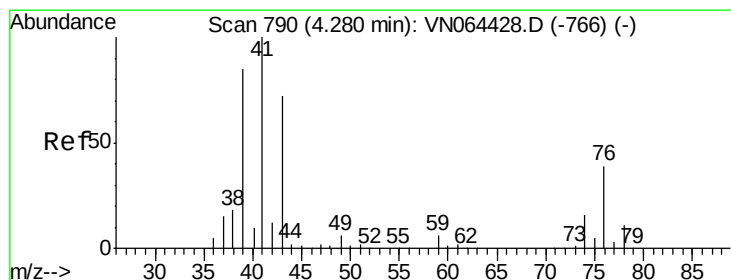
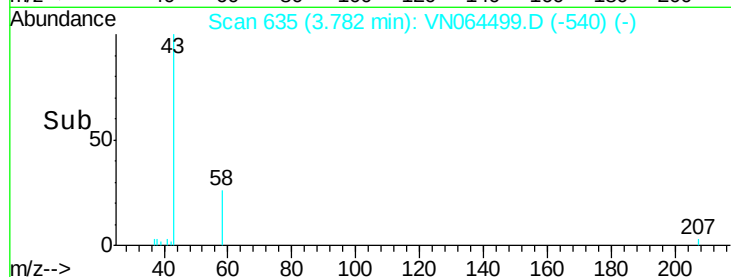
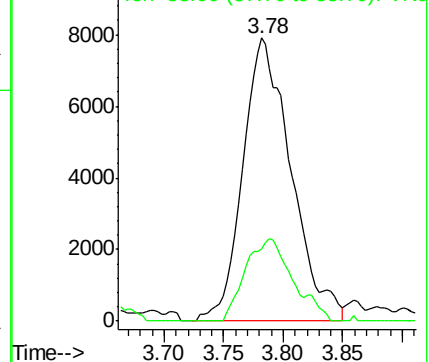
43 100

58 25.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.831 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064499.D

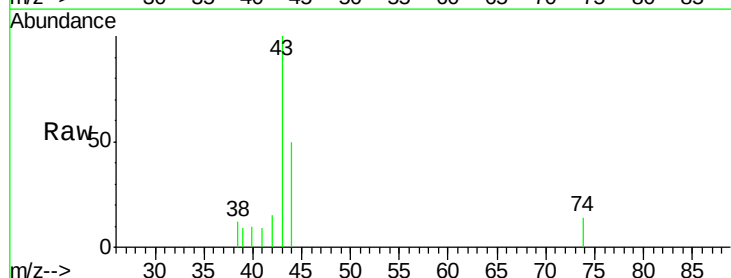
Acq: 6 Nov 2020 21:41

Tgt Ion: 43 Resp: 5583

Ion Ratio Lower Upper

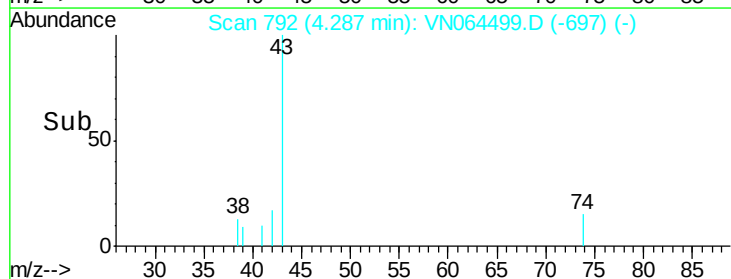
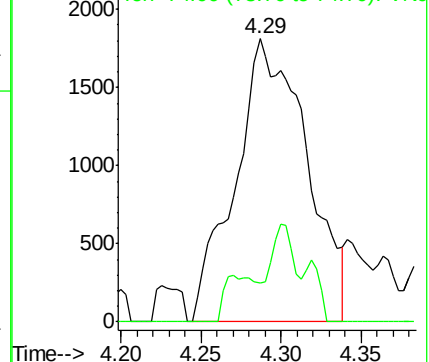
43 100

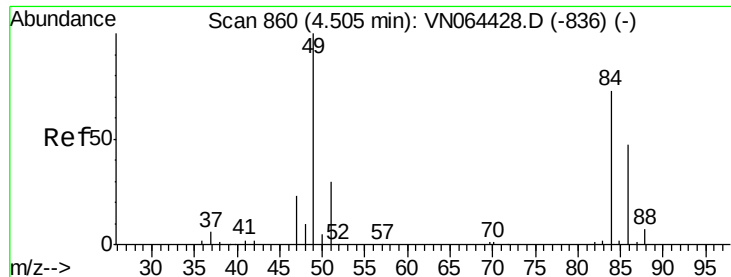
74 12.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

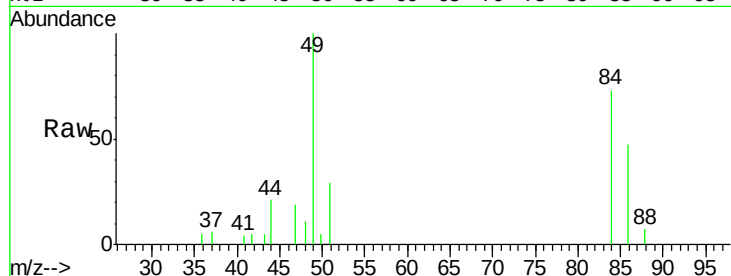




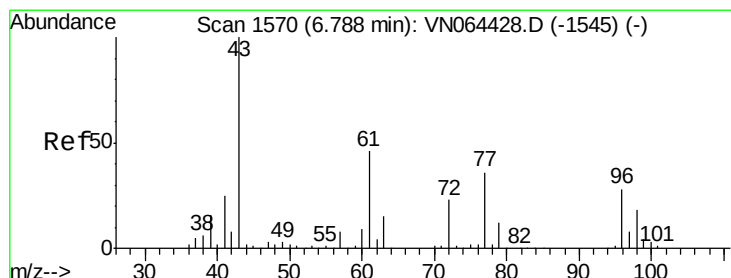
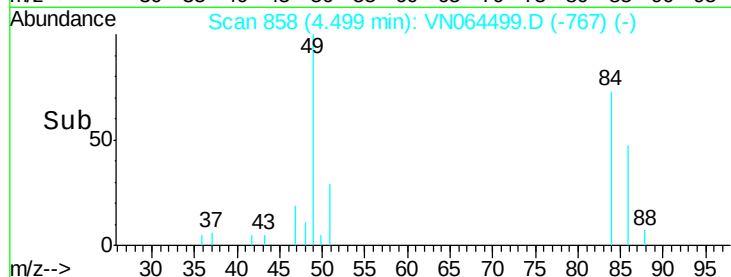
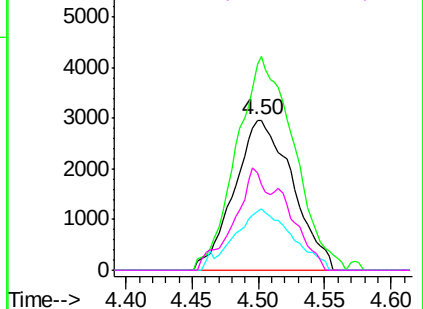
#20
Methvlene Chloride
Concen: 2.950 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 84 Resp: 9078
Ion Ratio Lower Upper
84 100
49 136.8 110.1 165.1
51 39.2 33.6 50.4
86 64.5 52.1 78.1

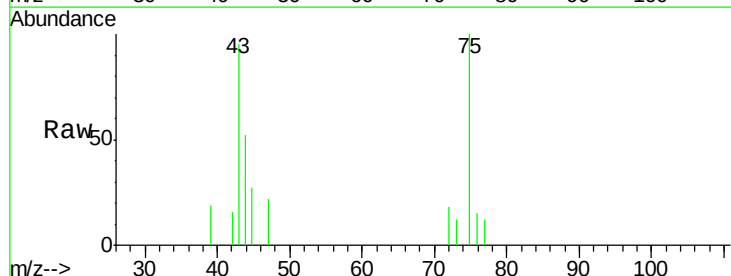


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

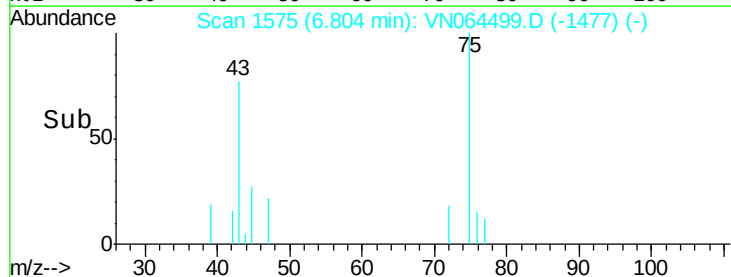
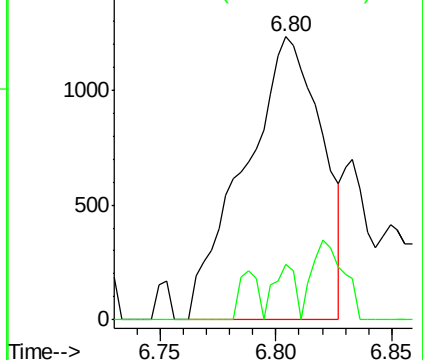


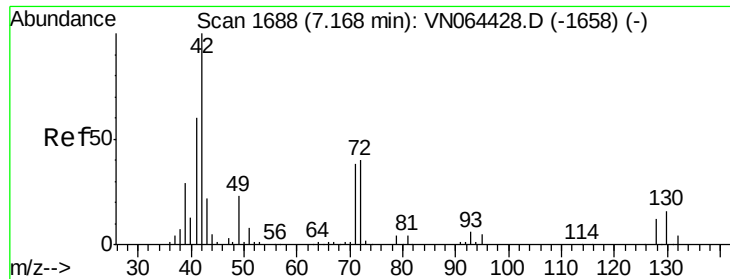
#25
2-Butanone
Concen: 1.447 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Tgt Ion: 43 Resp: 2860
Ion Ratio Lower Upper
43 100
72 19.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

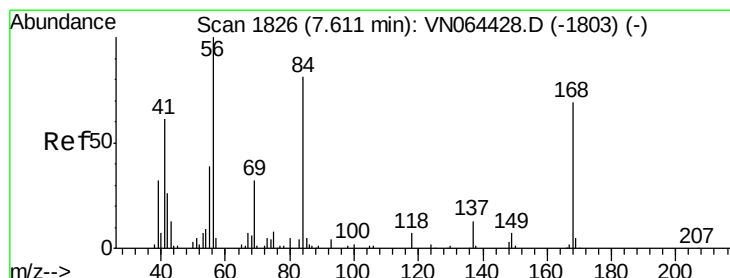
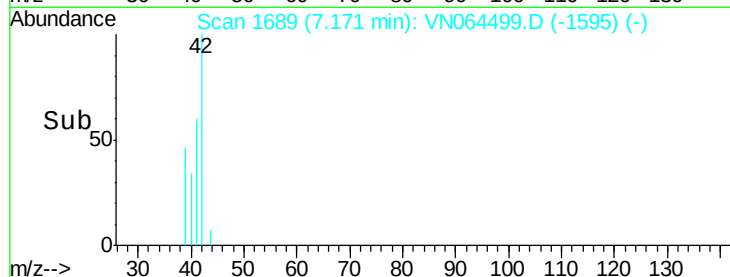
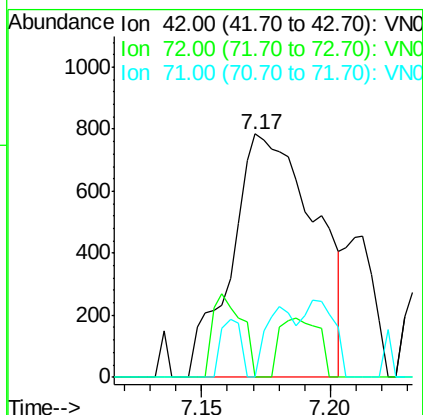
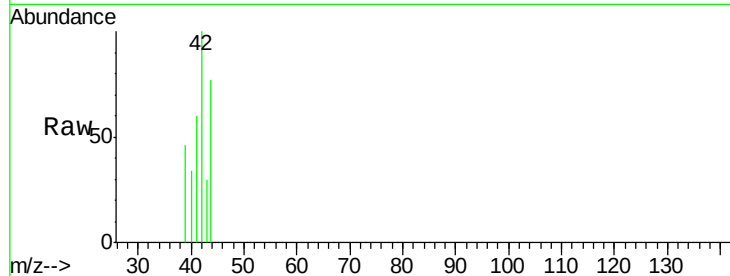




#29
Tetrahydrofuran
Concen: 1.453 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

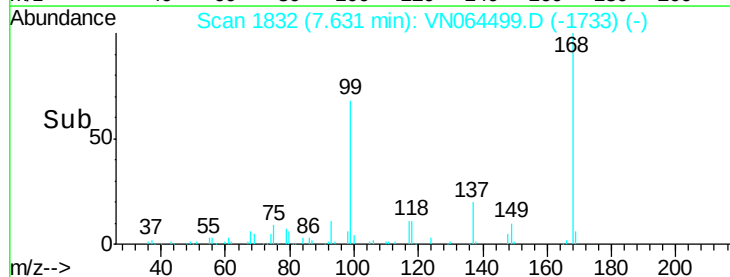
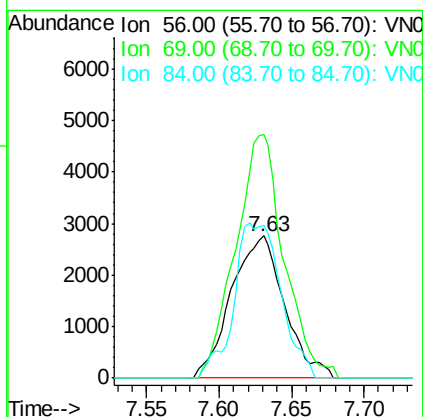
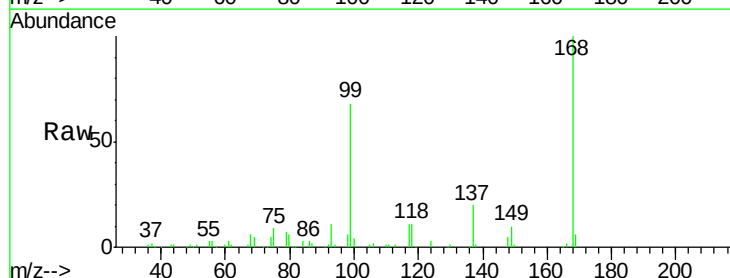
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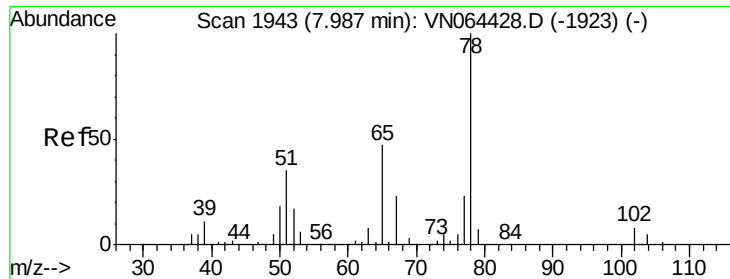
Tot Ion: 42 Resp: 1761
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 10.4 29.8 44.6#



#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Tgt Ion: 56 Resp: 7018
Ion Ratio Lower Upper
56 100
69 171.2 25.6 38.4#
84 107.2 63.0 94.6#

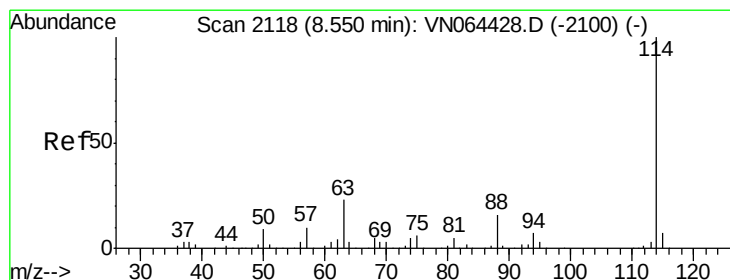
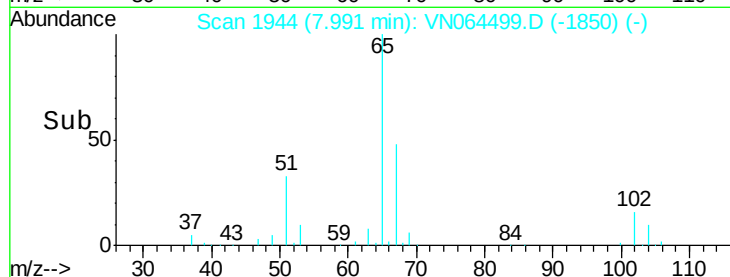
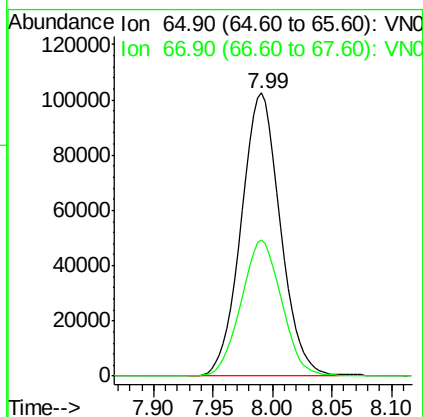
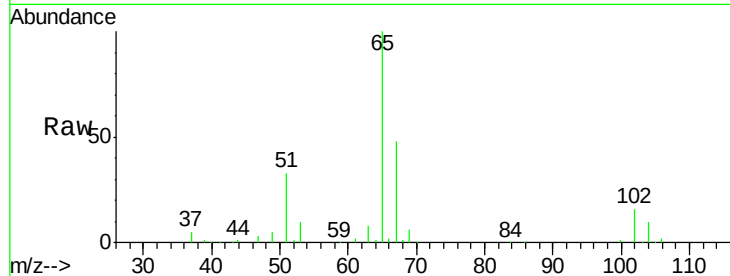




#33
 1,2-Dichloroethane-d4
 Concen: 57.428 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064499.D
 Acq: 6 Nov 2020 21:41

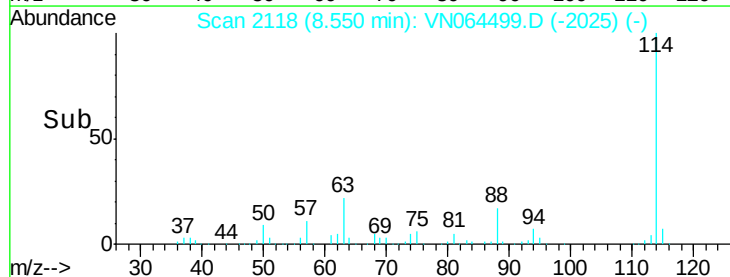
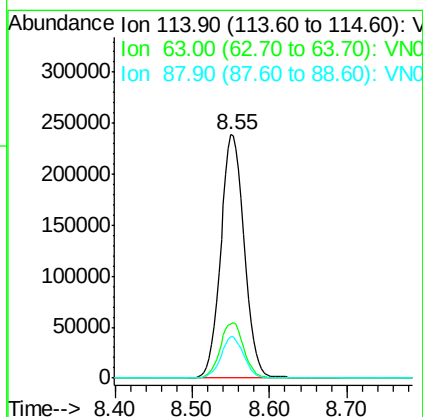
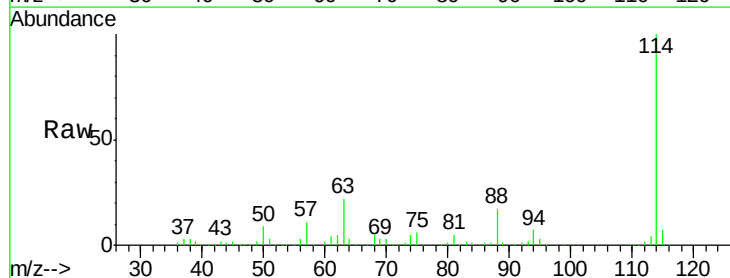
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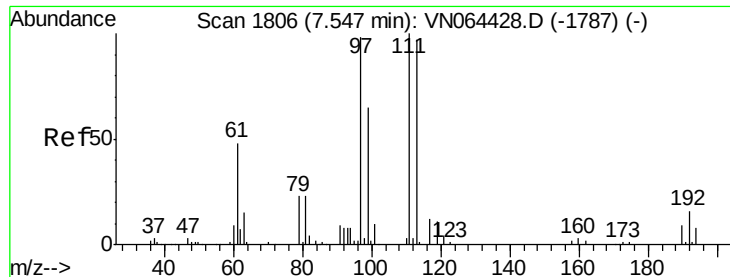
Tot Ion: 65 Resp: 233803
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064499.D
 Acq: 6 Nov 2020 21:41

Tgt Ion: 114 Resp: 505548
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 17.0 0.0 32.8

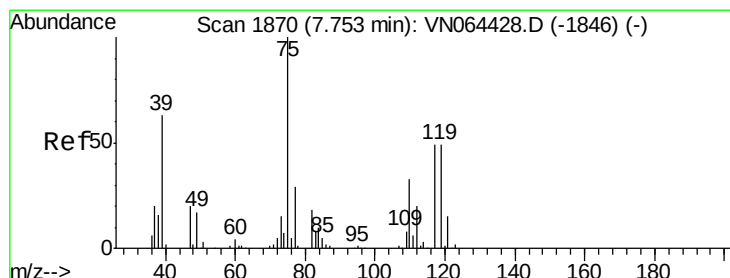
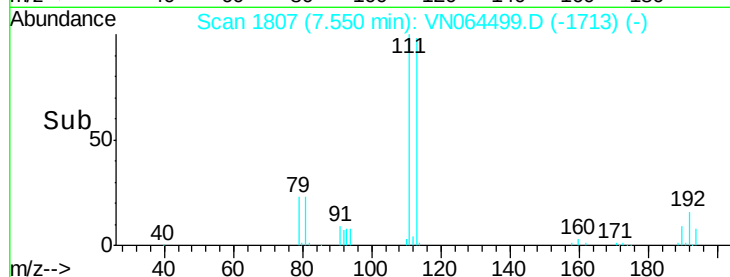
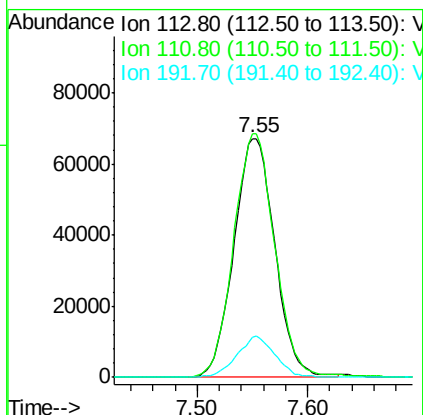
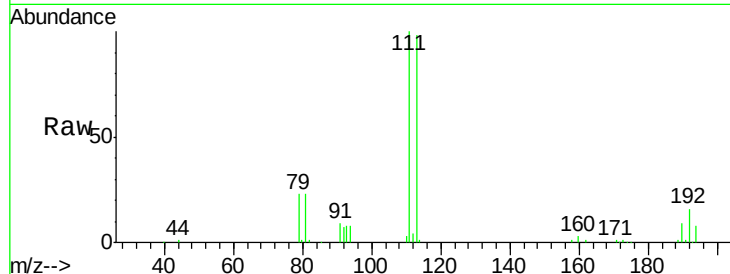




#35
 Dibromofluoromethane
 Concen: 50.174 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064499.D
 Acq: 6 Nov 2020 21:41

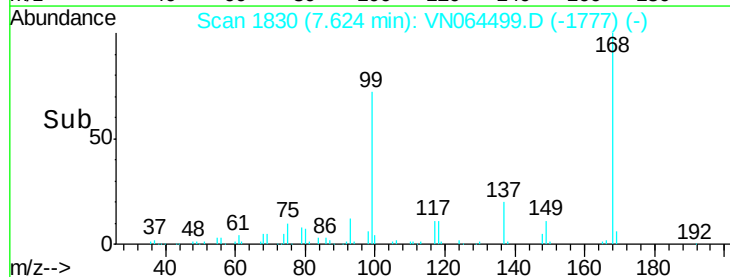
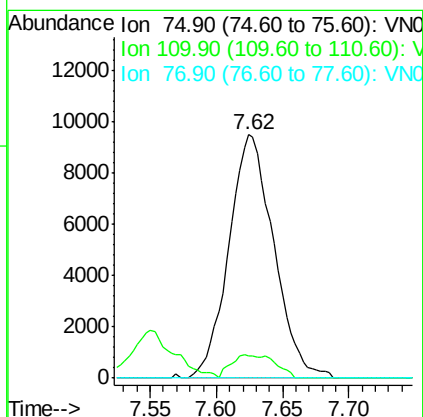
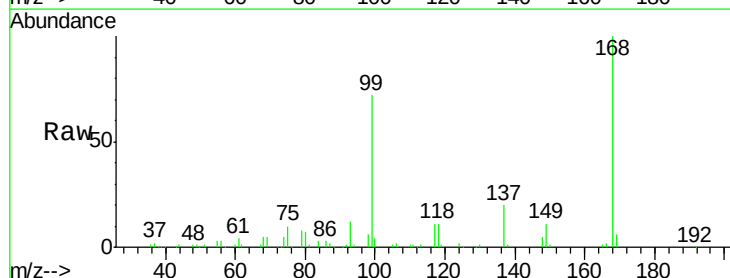
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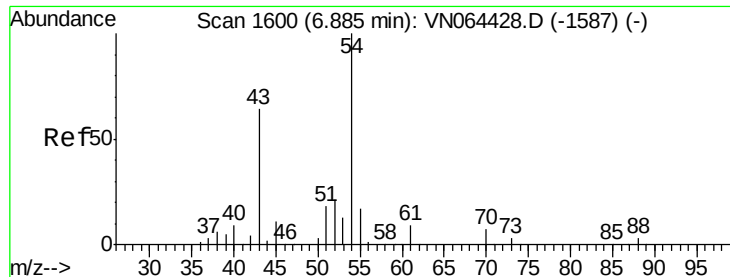
Tot Ion:113 Resp: 172704
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.1 121.7
 192 16.1 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.193 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064499.D
 Acq: 6 Nov 2020 21:41

Tgt Ion: 75 Resp: 22393
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.0 48.0#
 77 0.0 24.0 36.0#

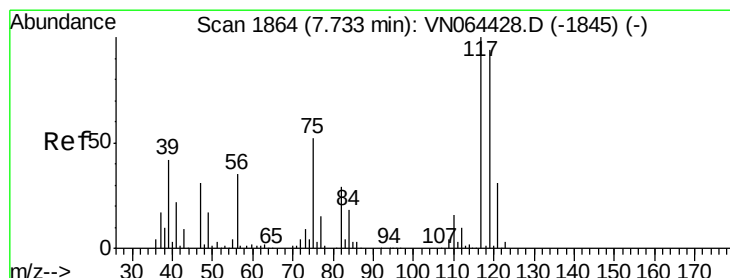
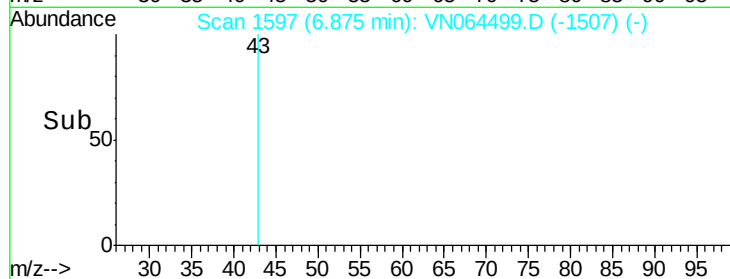
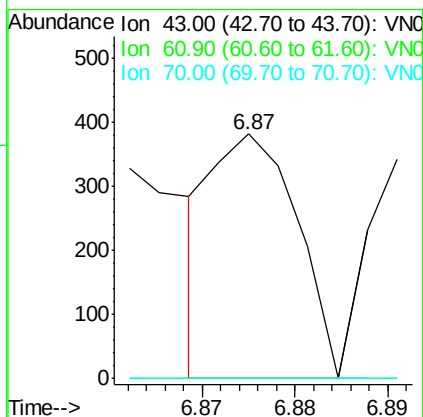
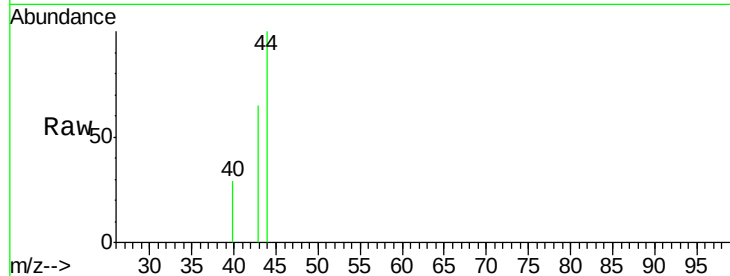




#37
Ethyl Acetate
Concen: 0.806 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

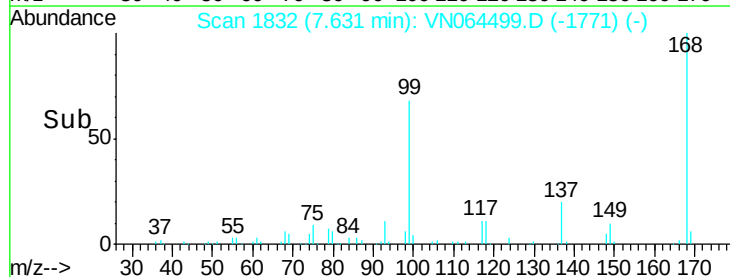
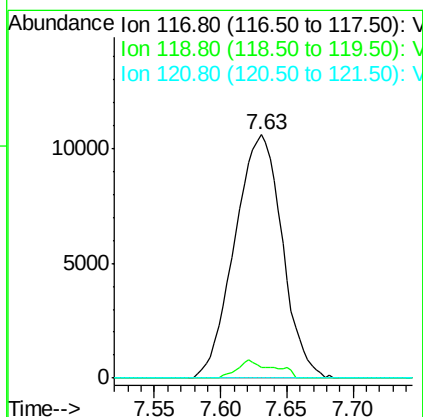
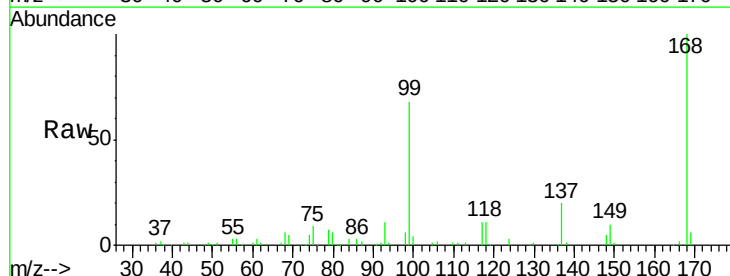
Instrument :
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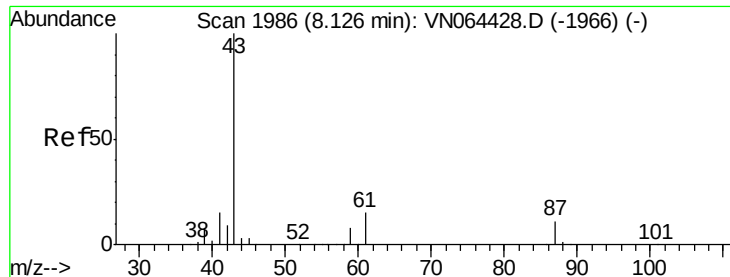
Tot Ion: 43 Resp: 242
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.632 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Tgt Ion: 117 Resp: 26439
Ion Ratio Lower Upper
117 100
119 4.4 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 11.702 ug/l

RT: 8.14 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-2B

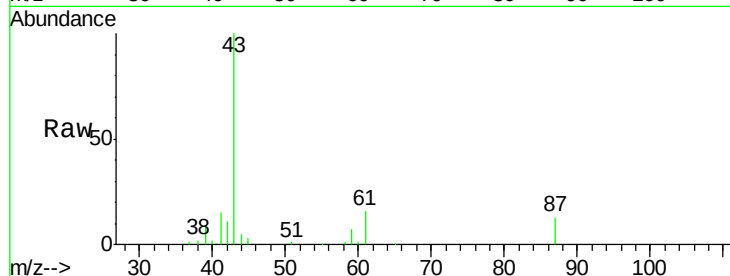
Tot Ion: 43 Resp: 101285

Ion Ratio Lower Upper

43 100

61 16.7 14.0 21.0

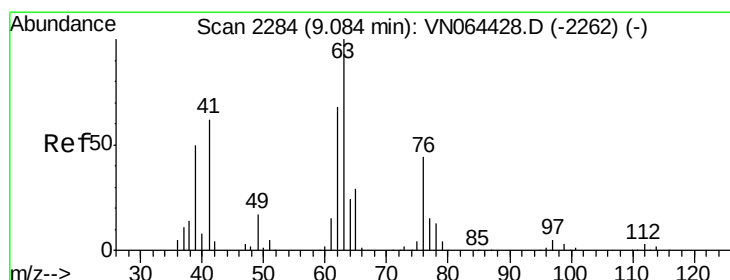
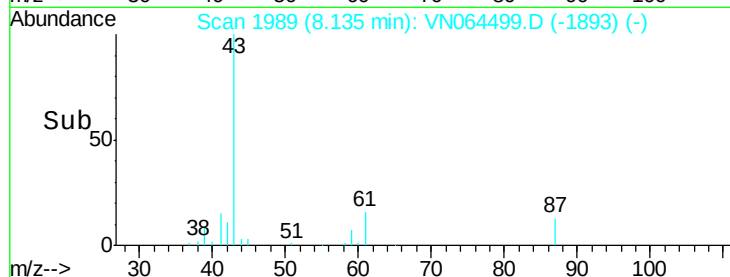
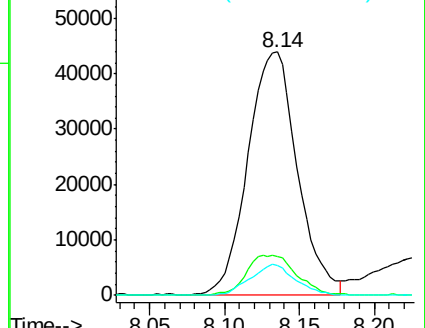
87 11.5 9.1 13.7



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: 0.513 ug/l

RT: 9.24 min Scan# 2334

Delta R.T. 0.16 min

Lab File: VN064499.D

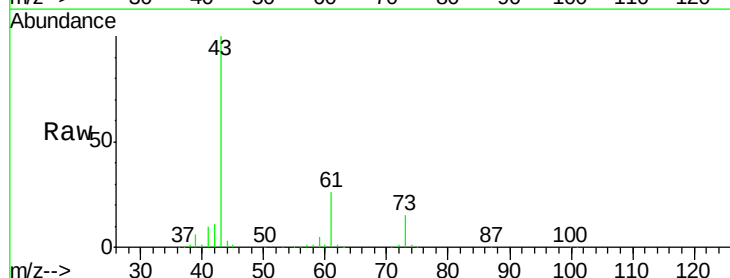
Acq: 6 Nov 2020 21:41

Tgt Ion: 63 Resp: 2149

Ion Ratio Lower Upper

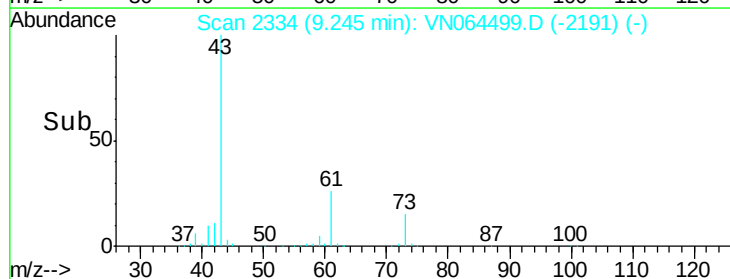
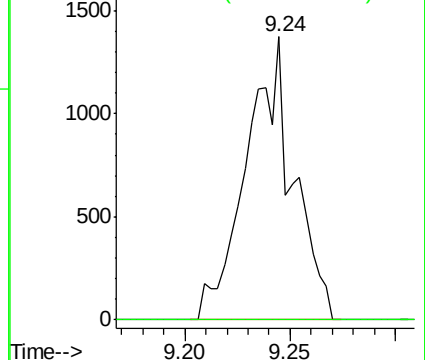
63 100

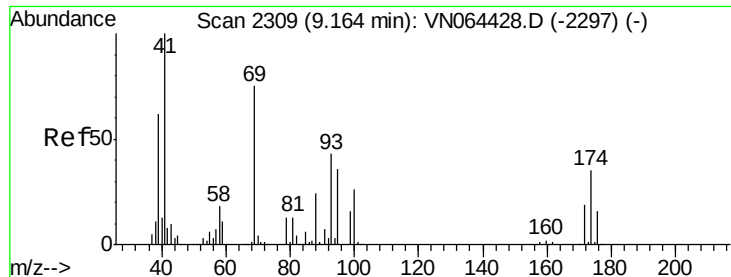
65 0.0 23.6 35.4#



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

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

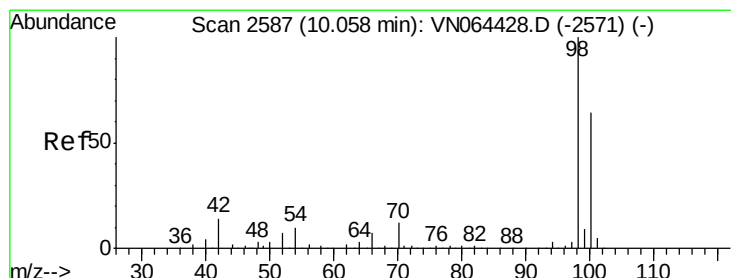
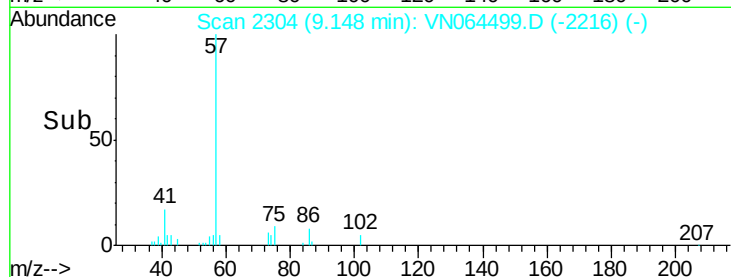
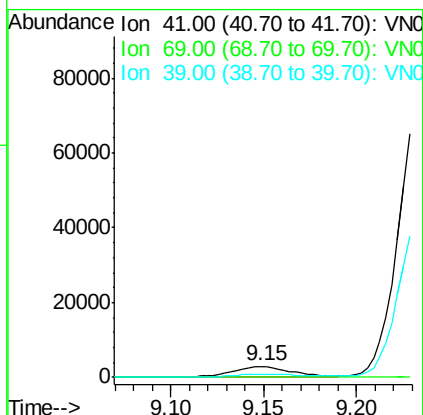
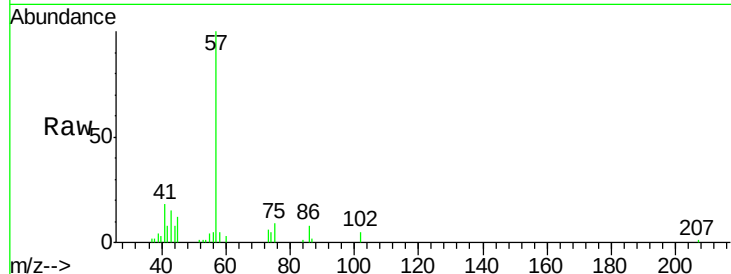




#48
Methvl methacrylate
Concen: 1.467 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

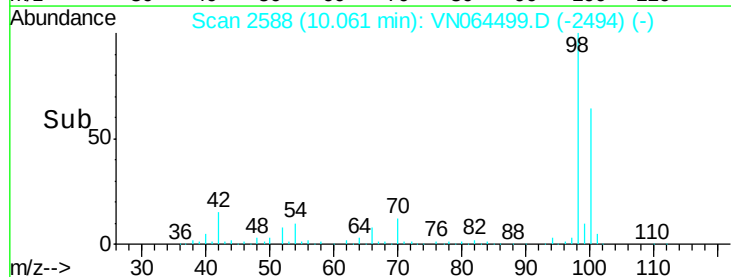
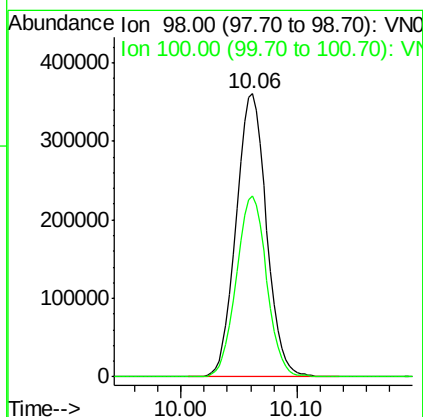
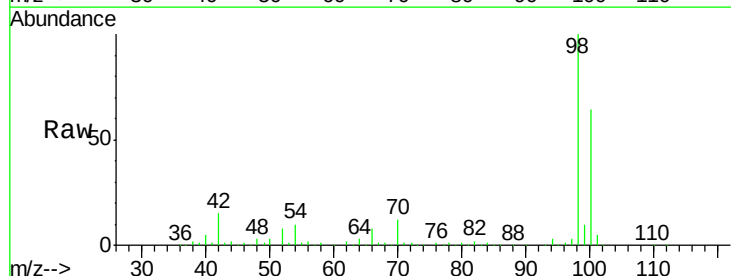
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-2B

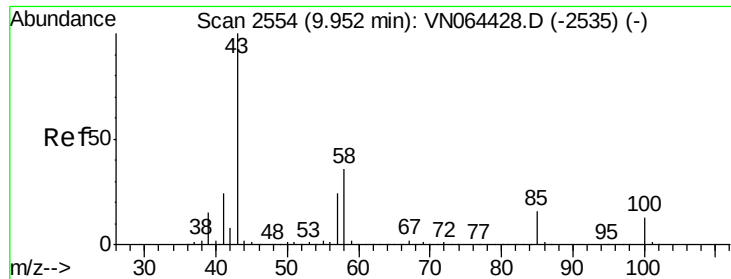
Tot Ion: 41 Resp: 6407
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 0.0 51.2 76.8#



#50
Toluene-d8
Concen: 49.210 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Tgt Ion: 98 Resp: 654674
Ion Ratio Lower Upper
98 100
100 63.9 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 1.854 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

Instrument :

MSVOA_N

ClientSampleId :

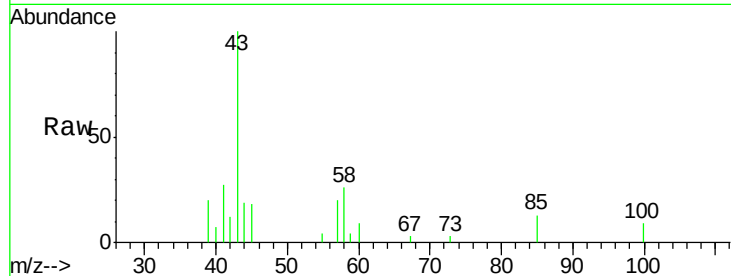
CONTAINER-002-2B

Tot Ion: 43 Resp: 9359

Ion Ratio Lower Upper

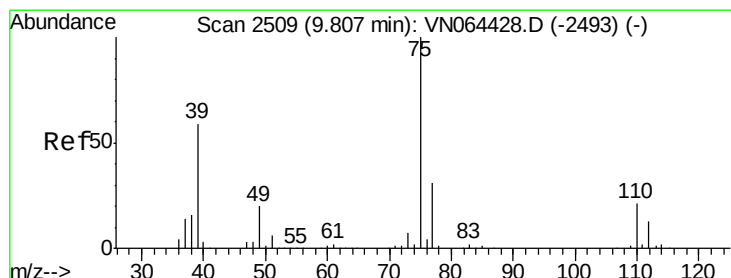
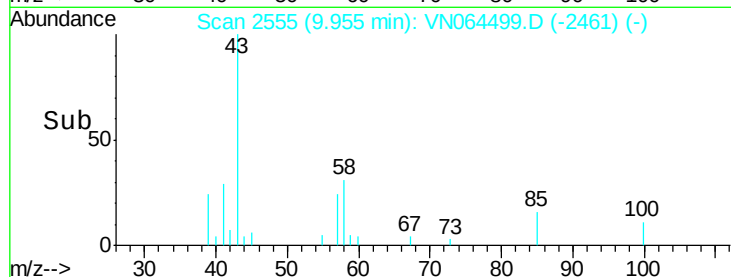
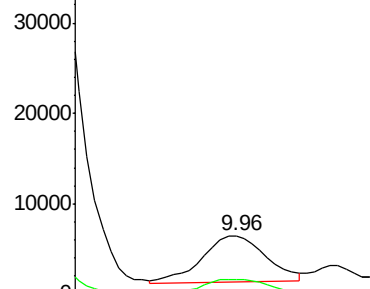
43 100

58 33.8 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.517 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

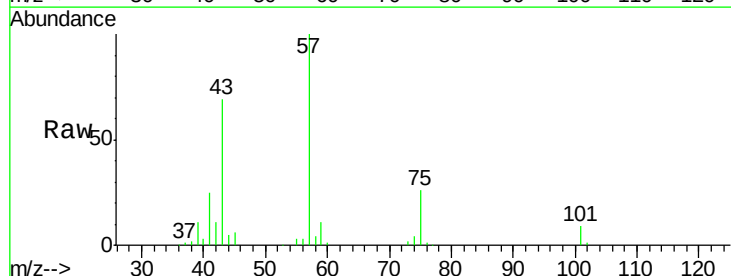
Tgt Ion: 75 Resp: 37066

Ion Ratio Lower Upper

75 100

77 0.8 24.9 37.3#

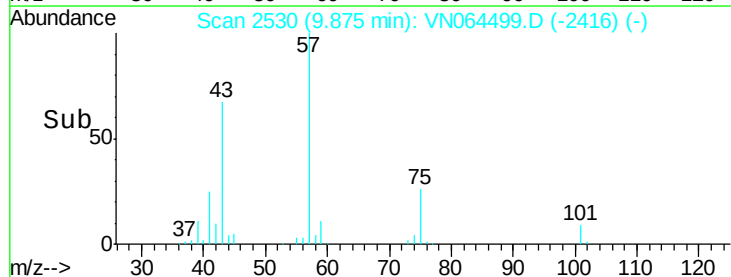
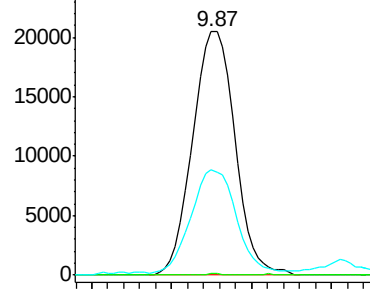
39 42.5 47.1 70.7#

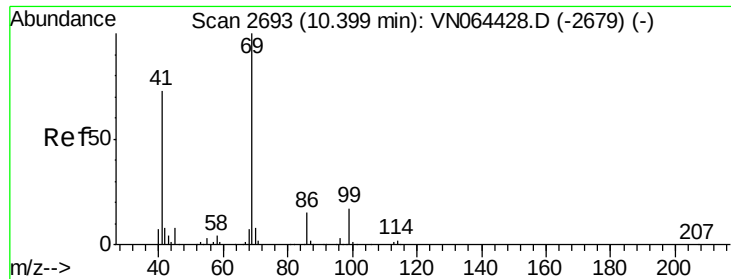


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.331 ug/l

RT: 10.53 min Scan# 2733

Delta R.T. 0.13 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-2B

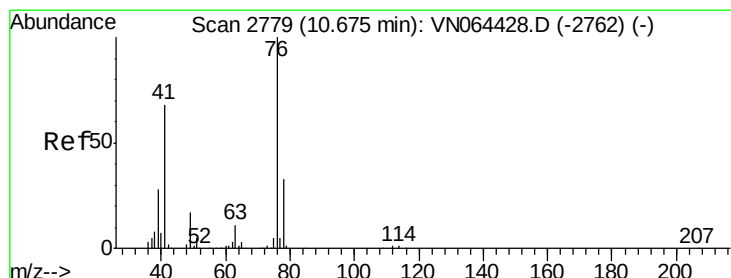
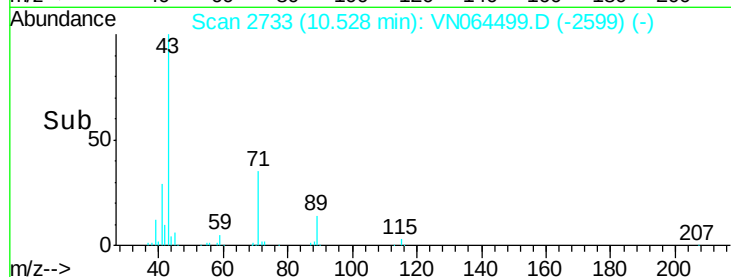
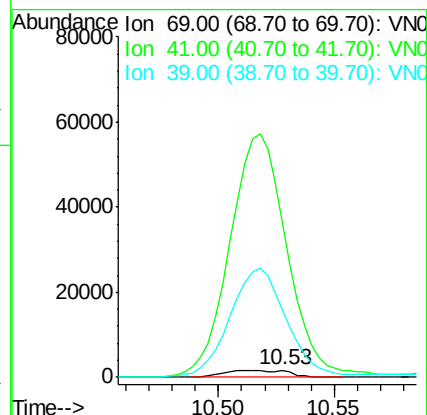
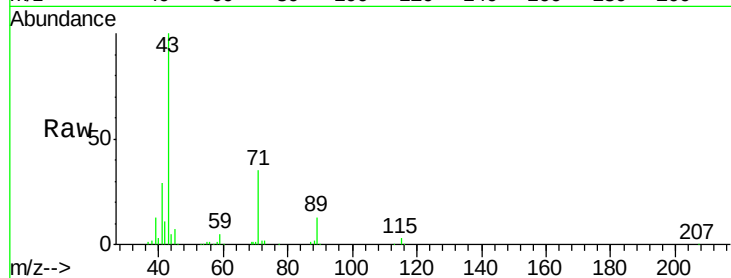
Tot Ion: 69 Resp: 3122

Ion Ratio Lower Upper

69 100

41 3152.0 59.3 88.9#

39 1411.5 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 0.870 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064499.D

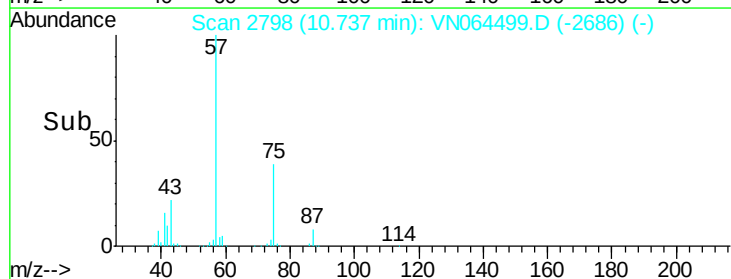
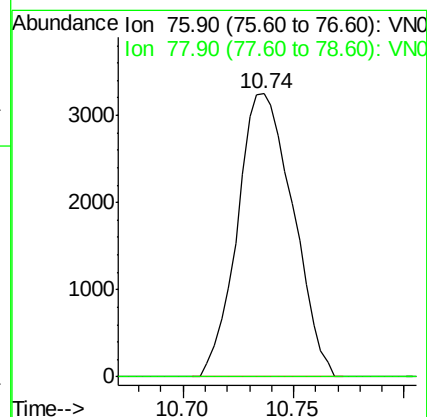
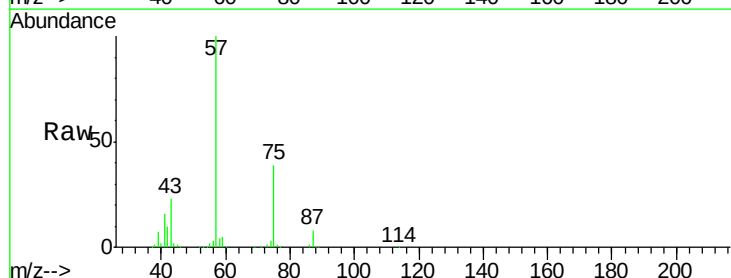
Acq: 6 Nov 2020 21:41

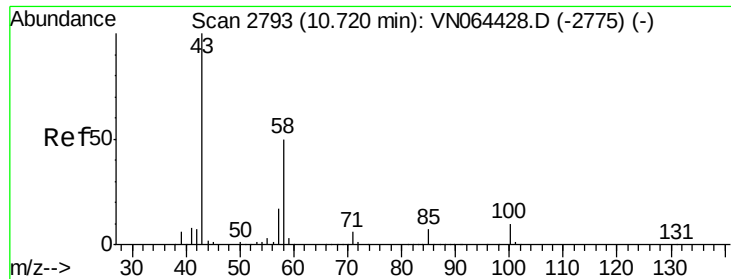
Tgt Ion: 76 Resp: 5672

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

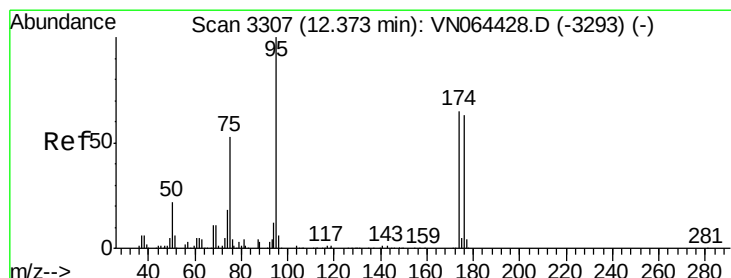
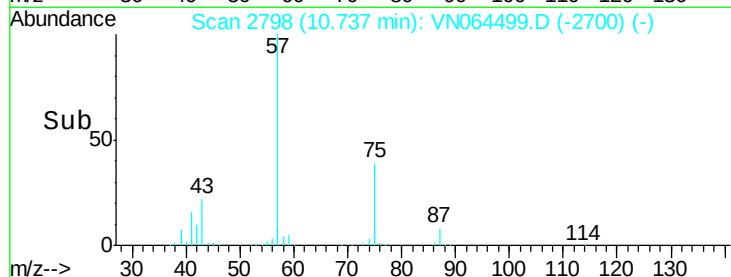
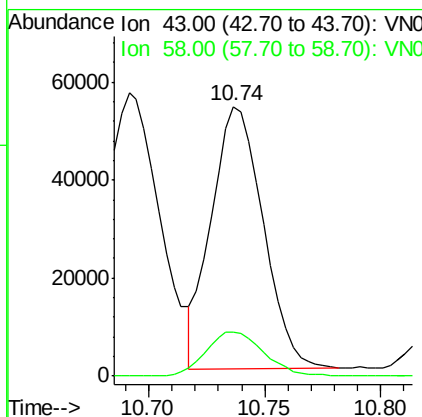
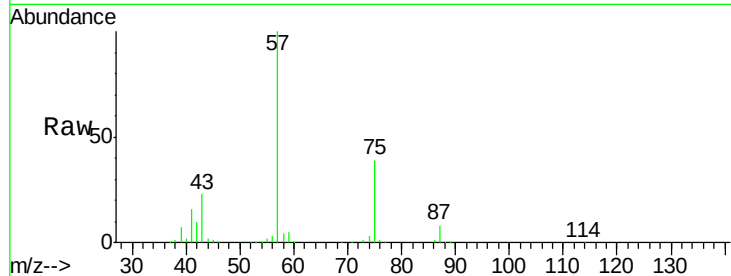




#59
2-Hexanone
Concen: 23.861 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

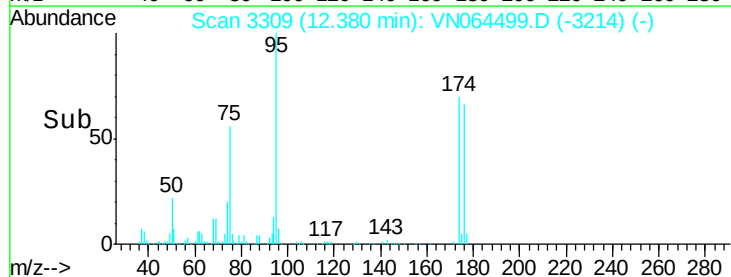
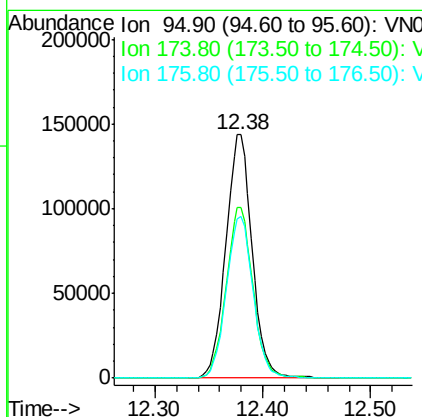
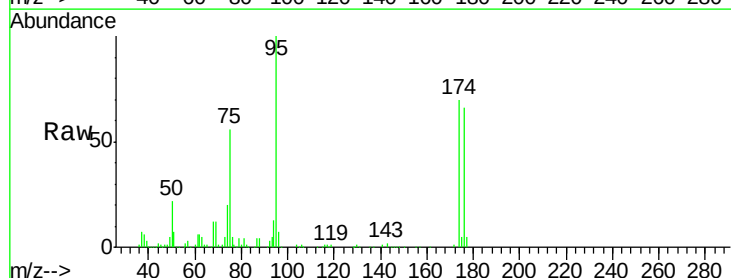
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-2B

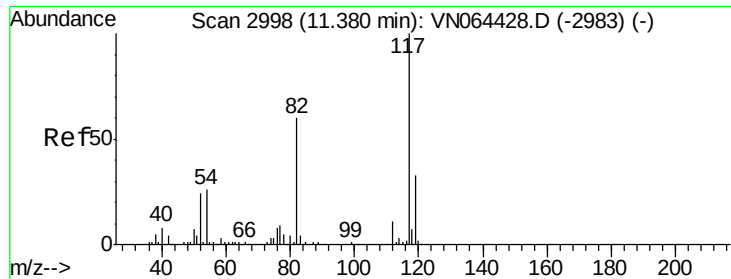
Tot Ion: 43 Resp: 82965
Ion Ratio Lower Upper
43 100
58 19.2 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 48.578 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.01 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Tgt Ion: 95 Resp: 244412
Ion Ratio Lower Upper
95 100
174 71.0 0.0 132.6
176 67.3 0.0 129.2

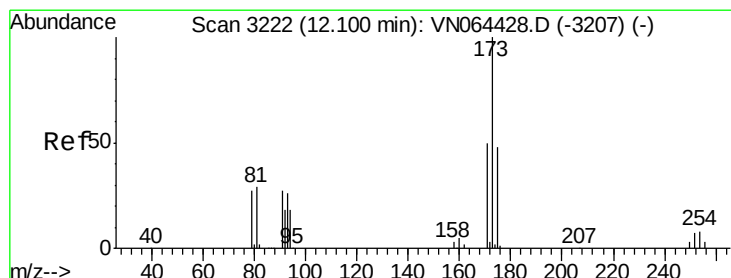
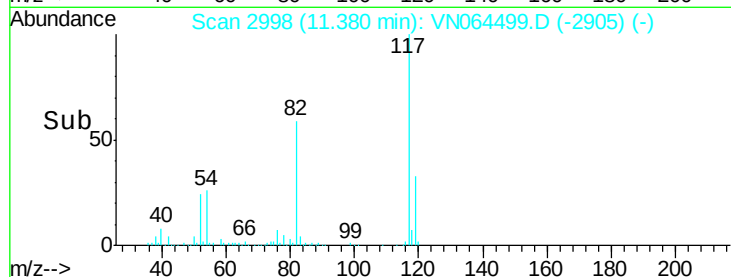
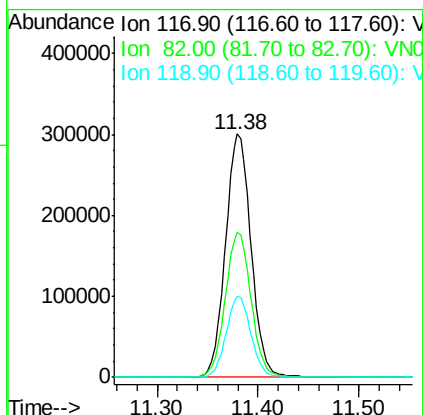
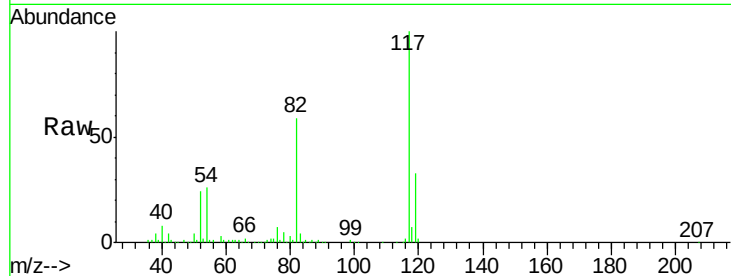




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

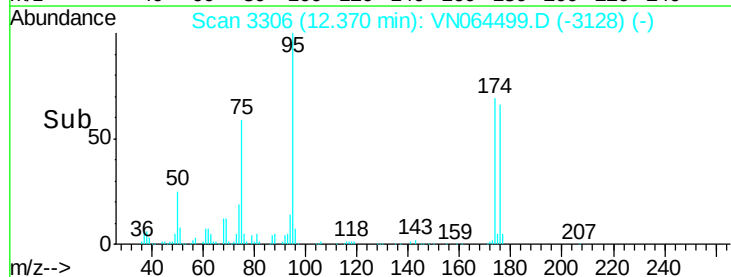
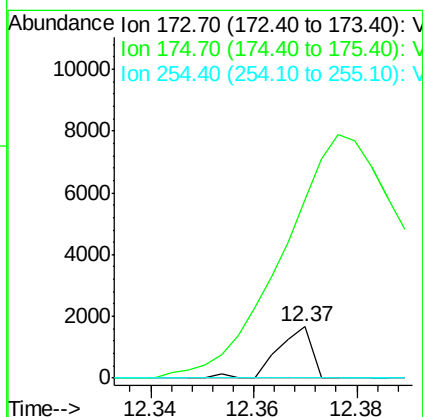
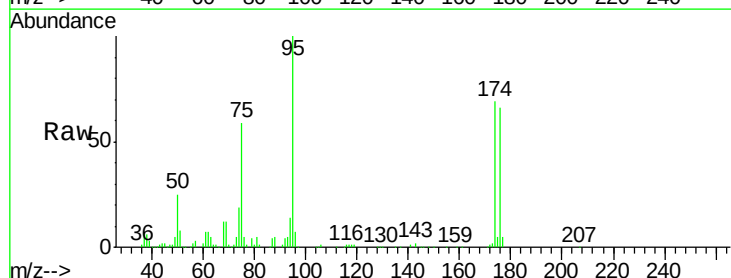
Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-2B

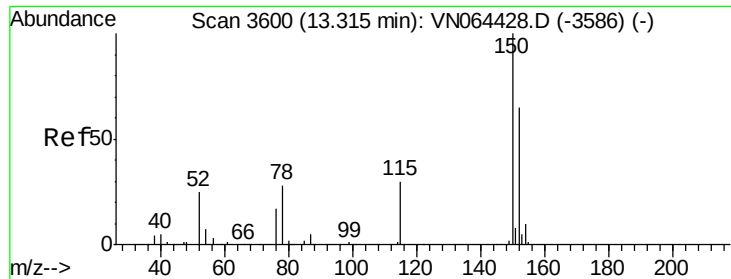
Tot Ion:117 Resp: 532865
Ion Ratio Lower Upper
117 100
82 59.5 48.1 72.1
119 33.4 26.2 39.4



#71
Bromoform
Concen: 1.494 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Tgt Ion:173 Resp: 736
Ion Ratio Lower Upper
173 100
175 1417.9 23.7 71.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

Instrument :

MSVOA_N

ClientSampleId :

CONTAINER-002-2B

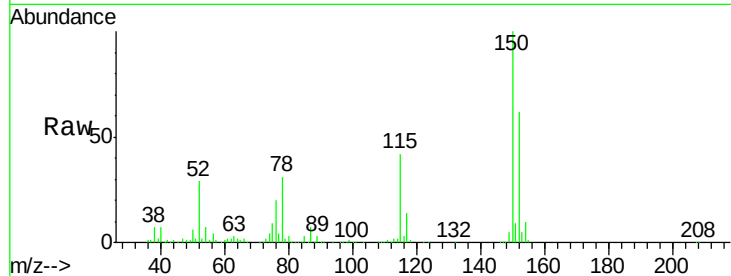
Tot Ion:152 Resp: 188722

Ion Ratio Lower Upper

152 100

115 66.8 32.0 96.0

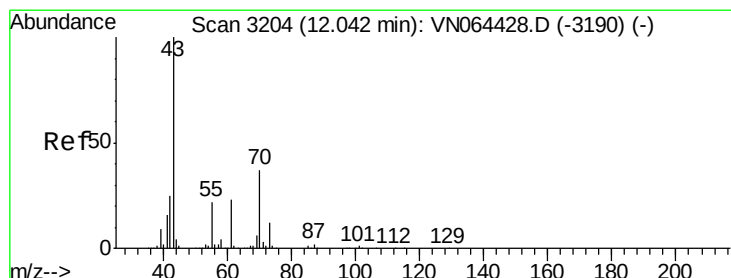
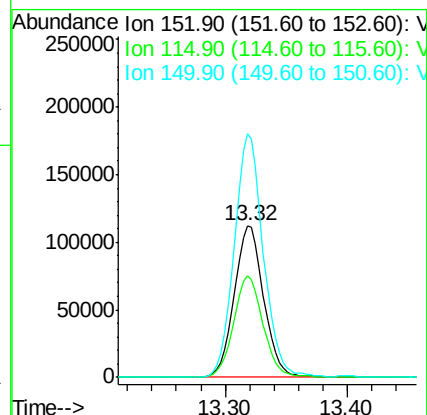
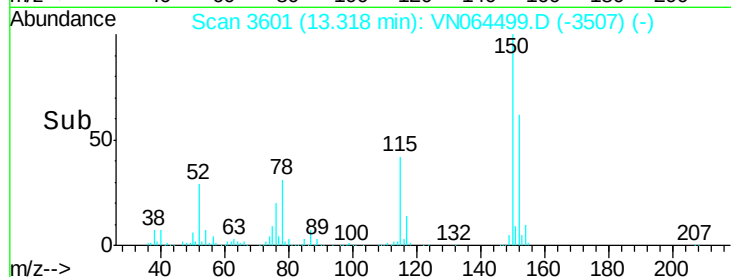
150 158.1 0.0 353.8



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: 1.622 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

Tgt Ion: 43 Resp: 3038

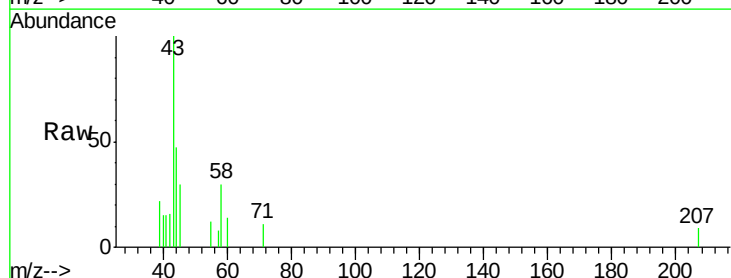
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 6.2 18.4 27.6#

61 0.0 17.8 26.6#

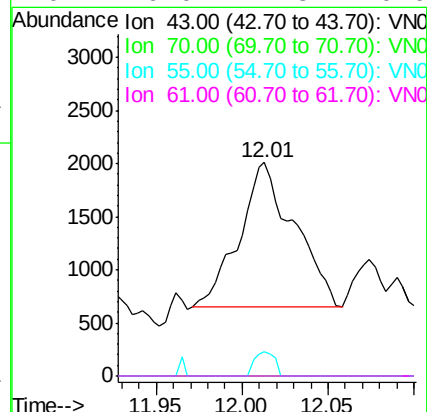
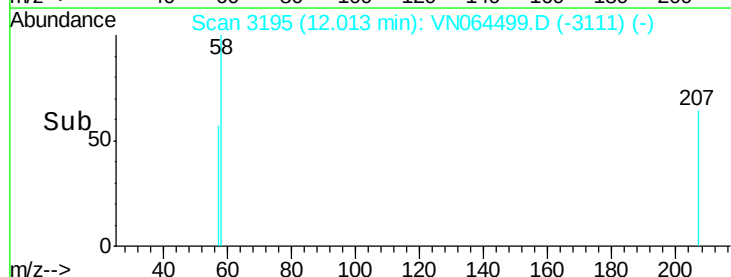


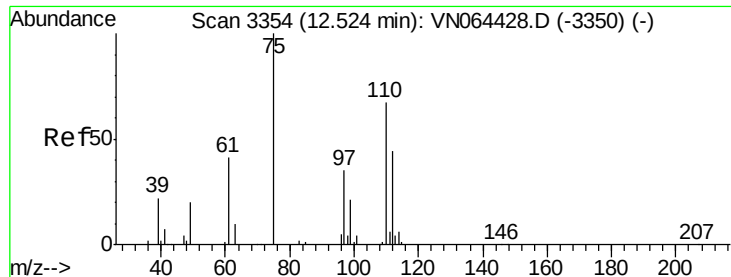
Abundance Ion 43.00 (42.70 to 43.70): V

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: 30.387 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

Instrument :

MSVOA_N

ClientSampleId :

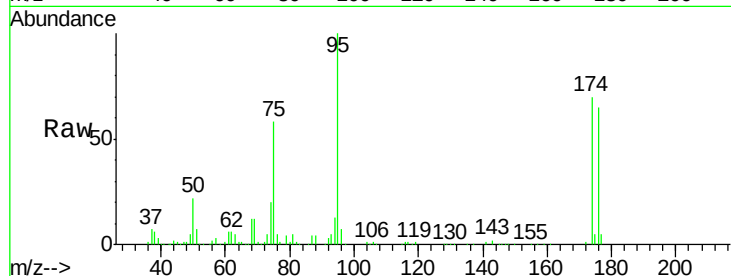
CONTAINER-002-2B

Tot Ion: 75 Resp: 138946

Ion Ratio Lower Upper

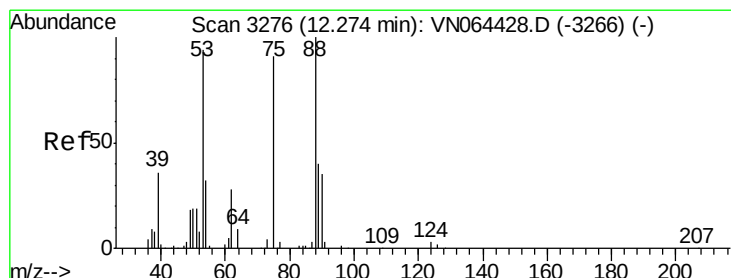
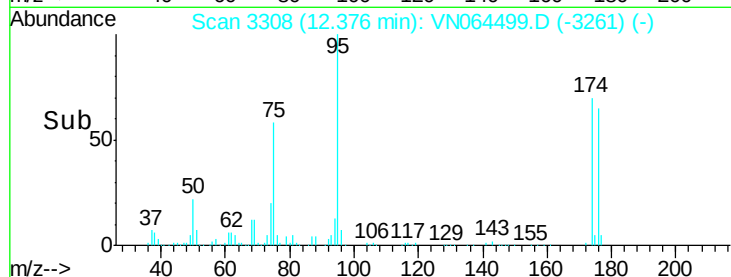
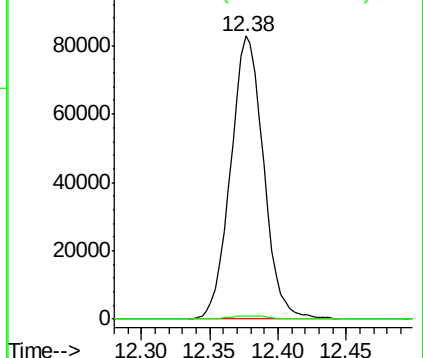
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 84.843 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064499.D

Acq: 6 Nov 2020 21:41

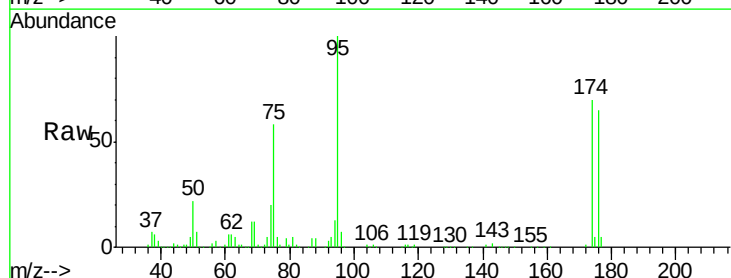
Tgt Ion: 75 Resp: 138946

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

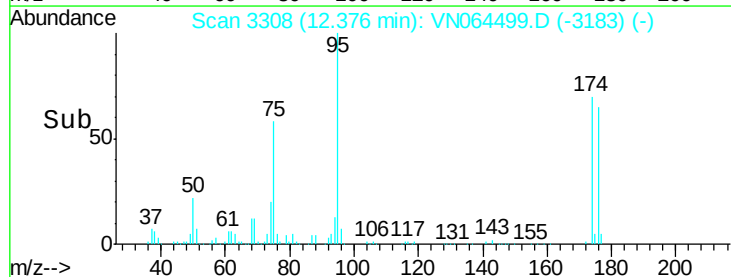
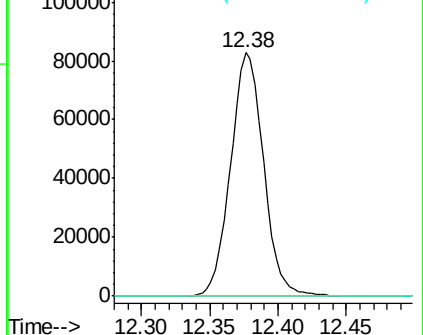
89 0.0 36.3 54.5#

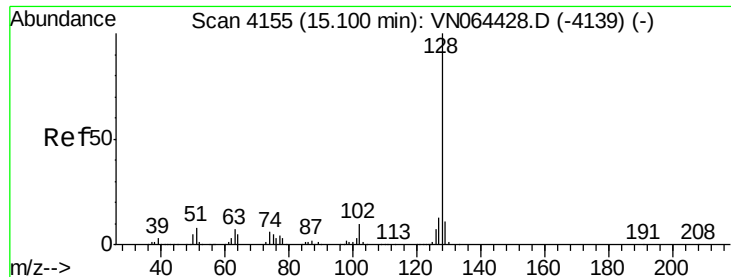


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

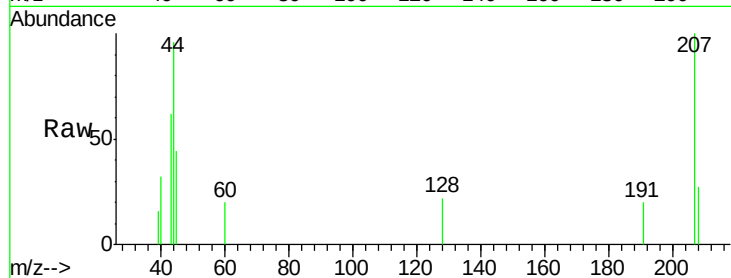




#95
Naphthalene
Concen: 3.629 ug/l
RT: 15.12 min Scan# 4160
Delta R.T. 0.02 min
Lab File: VN064499.D
Acq: 6 Nov 2020 21:41

Instrument :
MSVOA_N
ClientSampleId :
CONTAINER-002-2B

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#



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

