

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110620\
 Data File : VN064489.D
 Acq On : 6 Nov 2020 17:39
 Operator : JC/MD
 Sample : PB132855ZHE#19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132855ZHE#19

Quant Time: Nov 07 03:50:26 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	237104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	503069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	537269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195736	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	234009	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
35) Dibromofluoromethane	7.55	113	168326	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.06	98	663492	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.38	95	253250	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

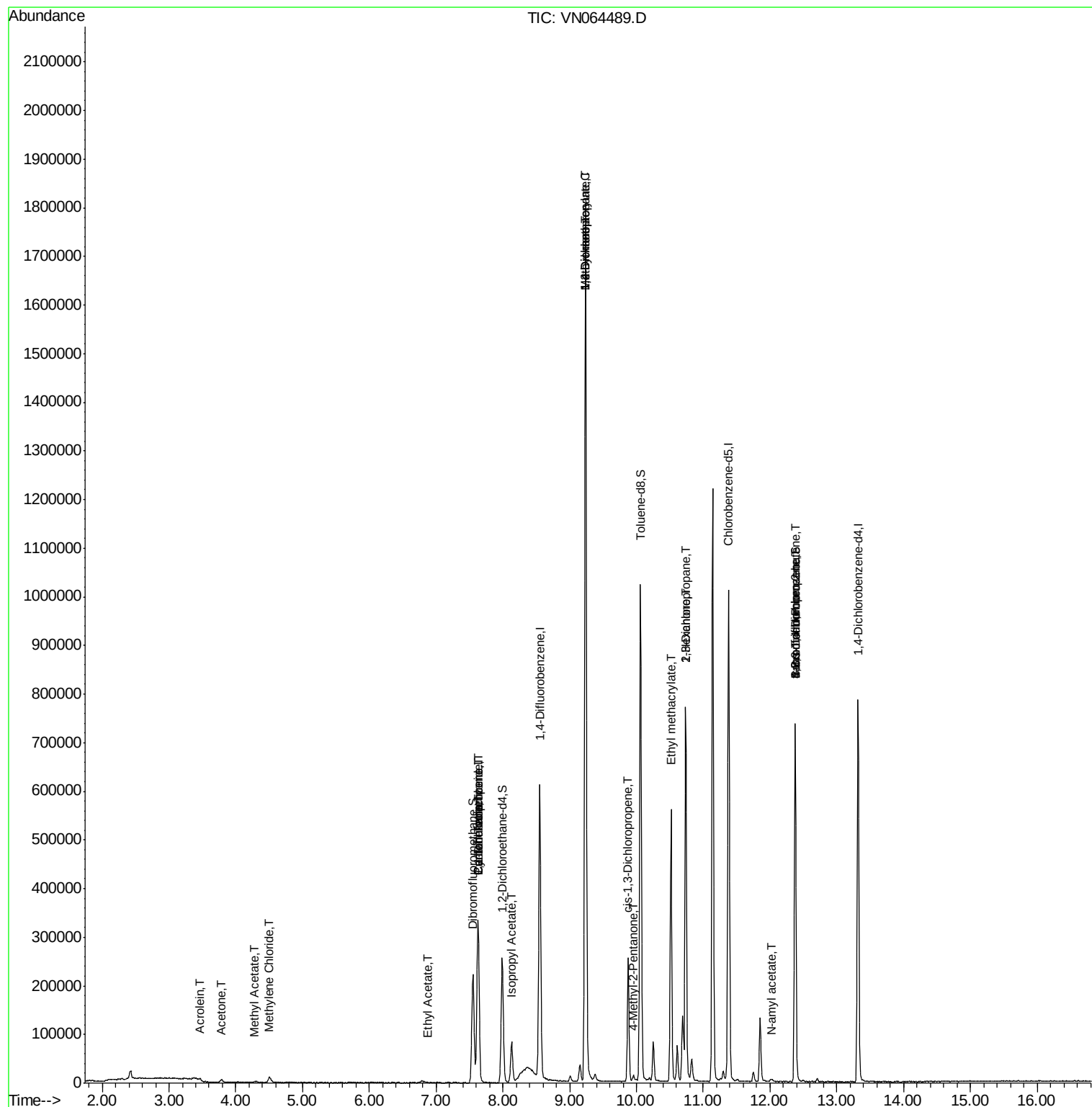
						Qvalue
13) Acrolein	3.46	56	121	0.428	ug/l #	1
16) Acetone	3.78	43	10162	6.459	ug/l	94
18) Methyl Acetate	4.29	43	5285	1.709	ug/l	93
20) Methylene Chloride	4.50	84	7334	2.350	ug/l	86
31) Cyclohexane	7.63	56	7382	1.470	ug/l #	36
36) 1,1-Dichloropropene	7.63	75	22682	4.268	ug/l #	52
37) Ethyl Acetate	6.88	43	262	0.810	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27823	4.898	ug/l #	17
43) Isopropyl Acetate	8.13	43	98687	11.458	ug/l	99
45) 1,2-Dichloropropane	9.23	63	2297	0.551	ug/l #	45
48) Methyl methacrylate	9.24	41	184503	42.453	ug/l #	48
49) 1,4-Dioxane	9.23	88	100	1.747	ug/l #	21
51) 4-Methyl-2-Pentanone	9.96	43	6878	1.369	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	40467	6.053	ug/l #	72
56) Ethyl methacrylate	10.51	69	3799	2.440	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	7106	1.096	ug/l #	42
59) 2-Hexanone	10.74	43	118297	32.446	ug/l #	53
71) Bromoform	12.37	173	715	1.486	ug/l #	1
74) N-amyl acetate	12.03	43	1771	1.443	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	140521	29.630	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	140521	82.730	ug/l #	8

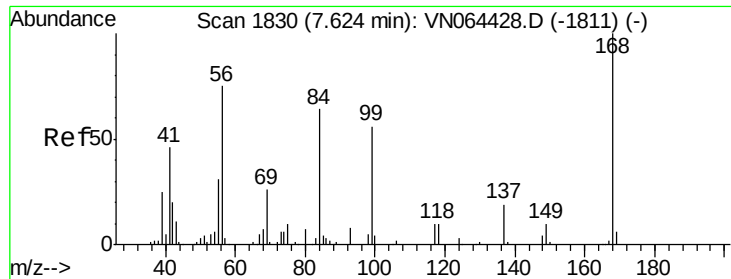
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

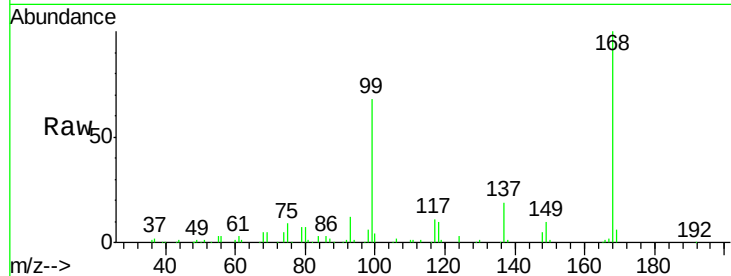
PB132855ZHE#19

Tot Ion:168 Resp: 237104

Ion Ratio Lower Upper

168 100

99 67.5 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

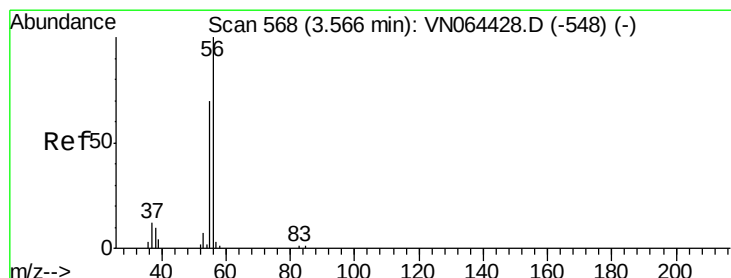
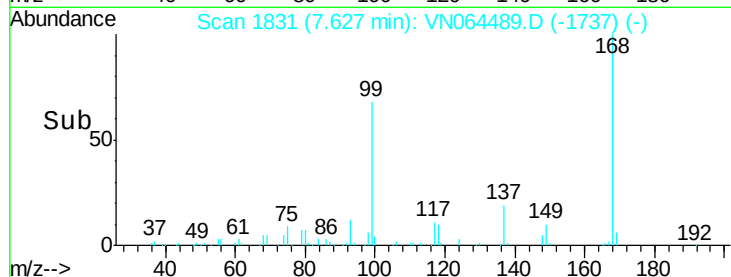
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 0.428 ug/l

RT: 3.46 min Scan# 535

Delta R.T. -0.11 min

Lab File: VN064489.D

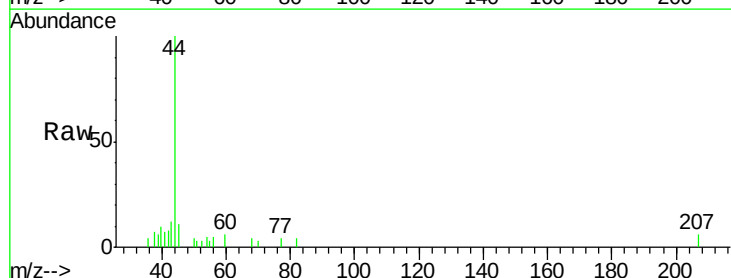
Acq: 6 Nov 2020 17:39

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 171.1 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.46

250

200

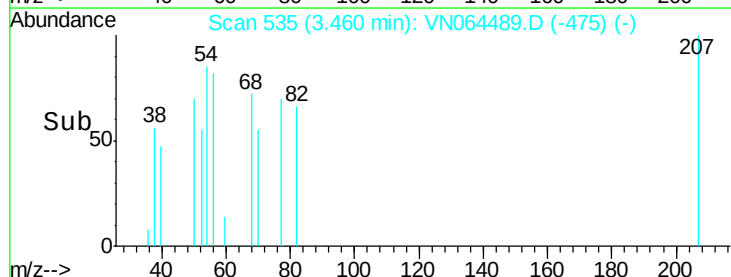
150

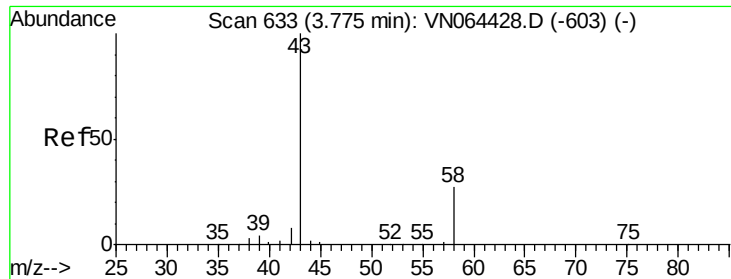
100

50

0

Time--> 3.45 3.46 3.47

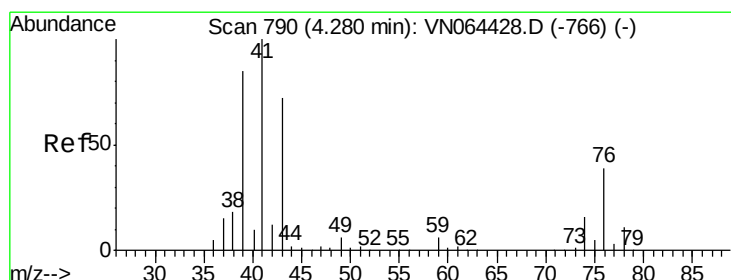
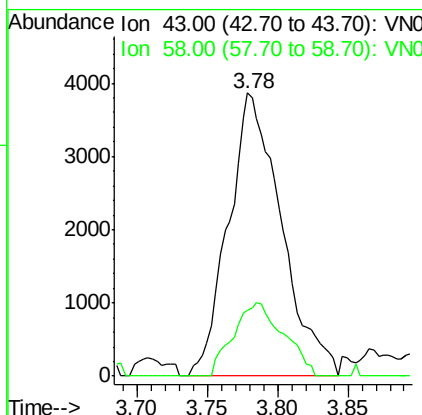
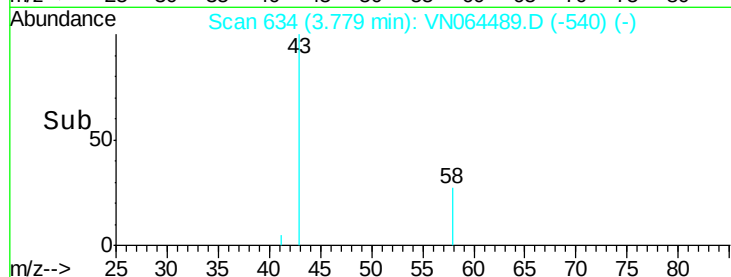
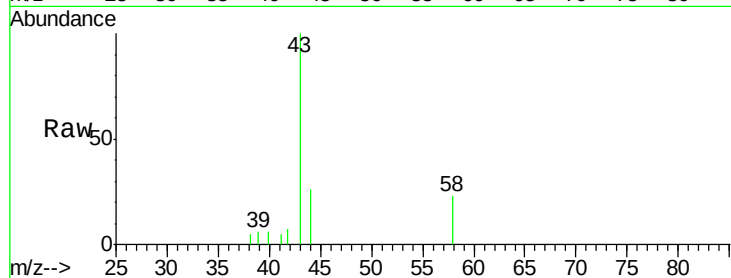




#16
 Acetone
 Concen: 6.459 ug/l
 RT: 3.78 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN064489.D
 Acq: 6 Nov 2020 17:39

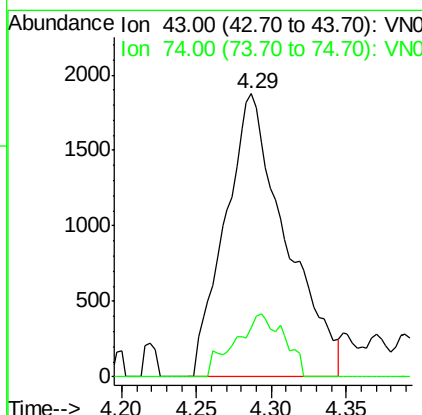
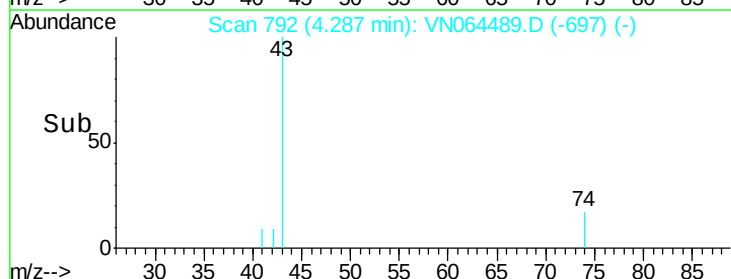
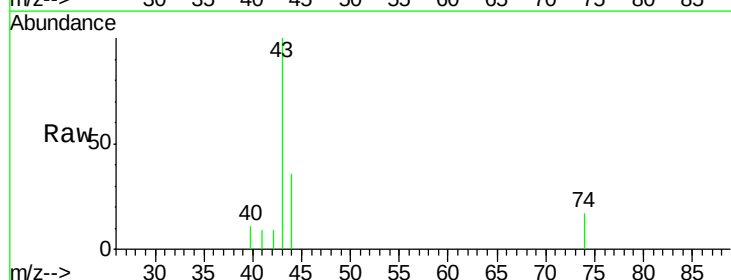
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132855ZHE#19

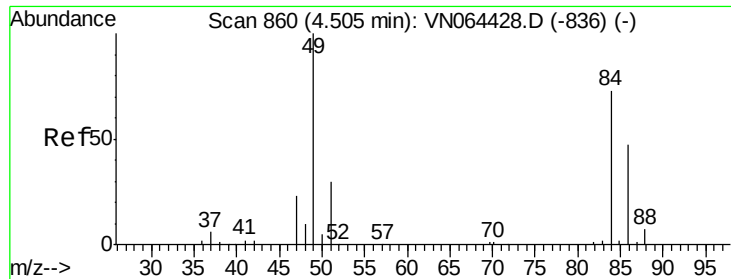
Tot Ion: 43 Resp: 10162
 Ion Ratio Lower Upper
 43 100
 58 23.4 21.4 32.0



#18
 Methyl Acetate
 Concen: 1.709 ug/l
 RT: 4.29 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VN064489.D
 Acq: 6 Nov 2020 17:39

Tgt Ion: 43 Resp: 5285
 Ion Ratio Lower Upper
 43 100
 74 17.9 17.0 25.4

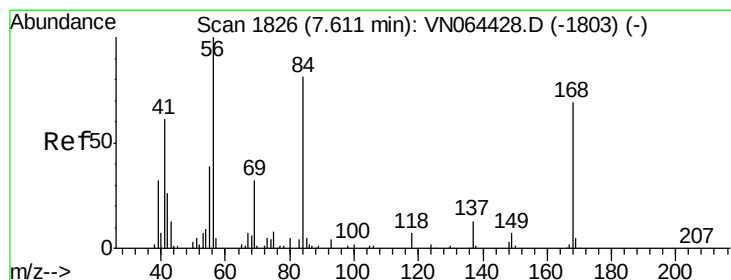
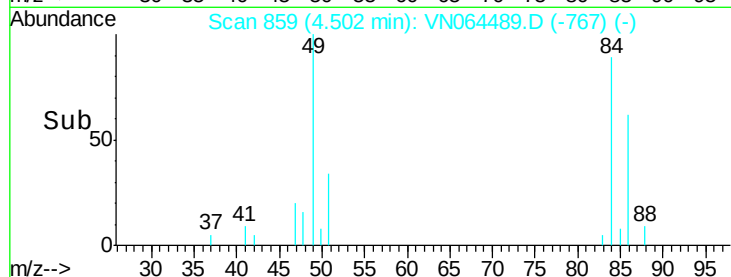
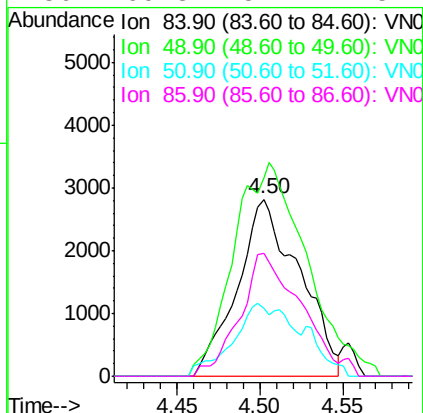
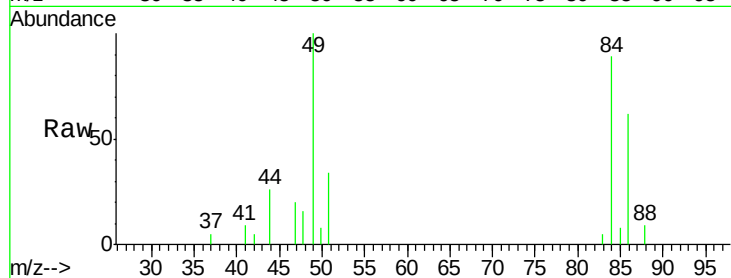




#20
Methvlene Chloride
Concen: 2.350 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

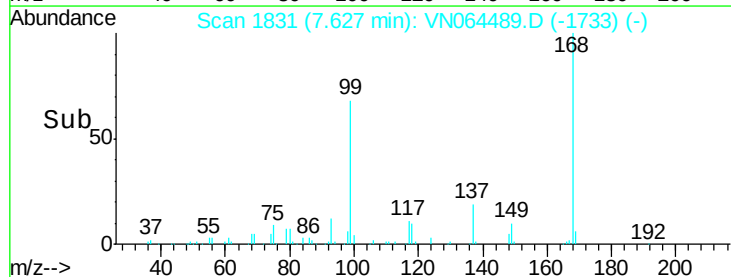
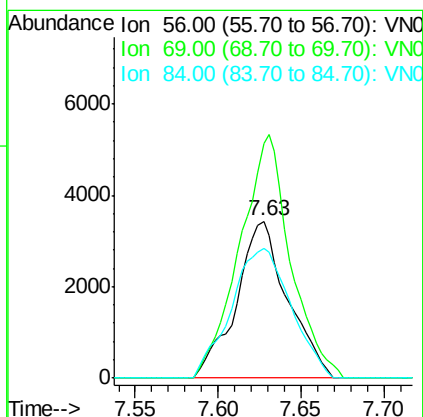
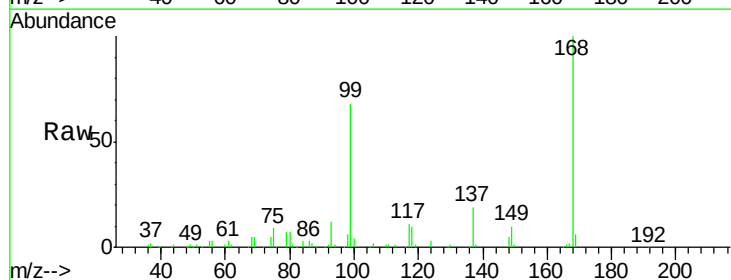
Instrument :
MSVOA_N
ClientSampleId :
PB132855ZHE#19

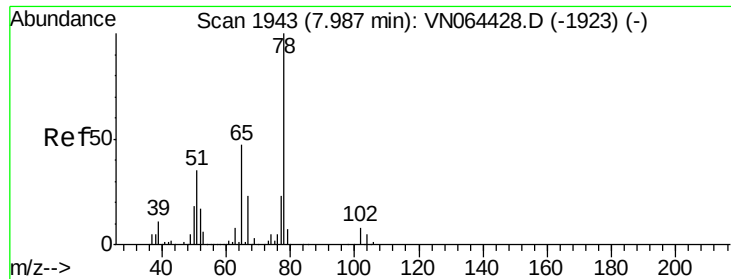
Tot Ion:	84	Resp:	7334
Ion	Ratio	Lower	Upper
84	100		
49	112.0	110.1	165.1
51	38.4	33.6	50.4
86	69.3	52.1	78.1



#31
Cyclohexane
Concen: 1.470 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

Tgt Ion:	56	Resp:	7382
Ion	Ratio	Lower	Upper
56	100		
69	149.4	25.6	38.4#
84	82.5	63.0	94.6

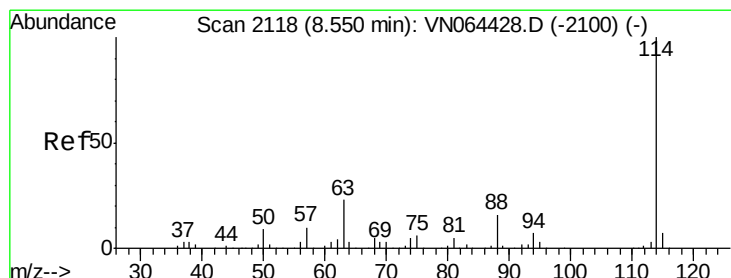
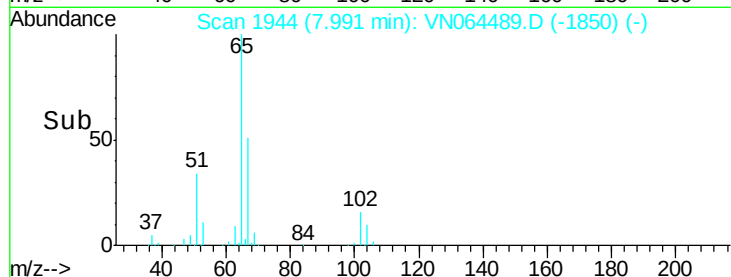
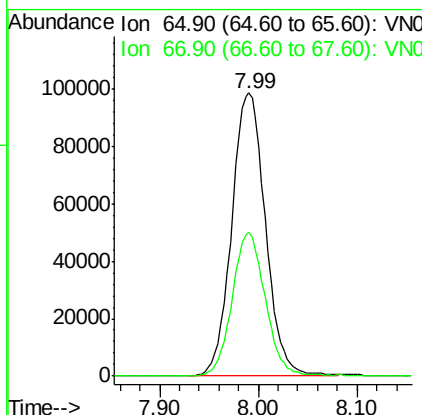
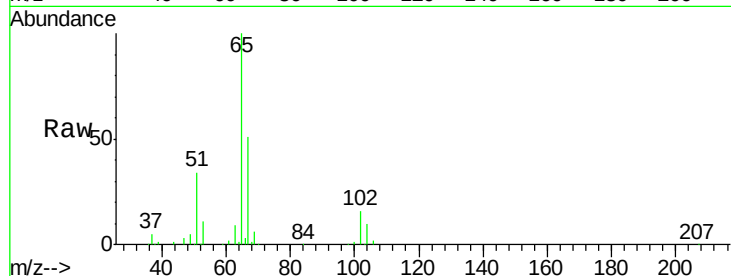




#33
 1,2-Dichloroethane-d4
 Concen: 56.661 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064489.D
 Acq: 6 Nov 2020 17:39

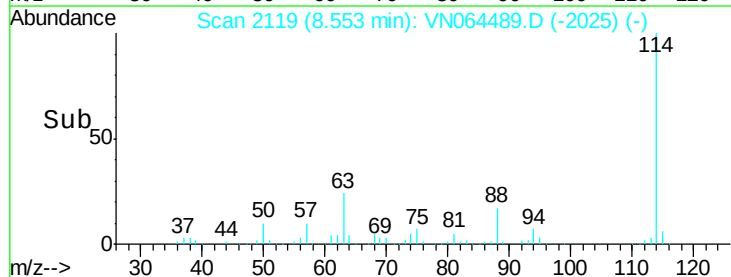
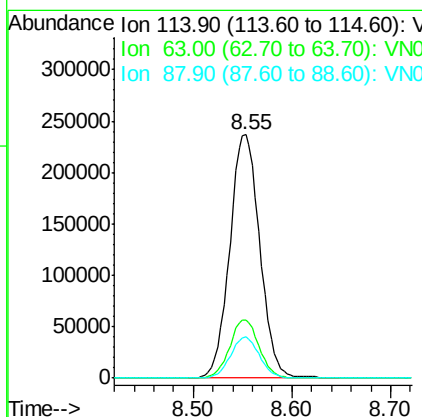
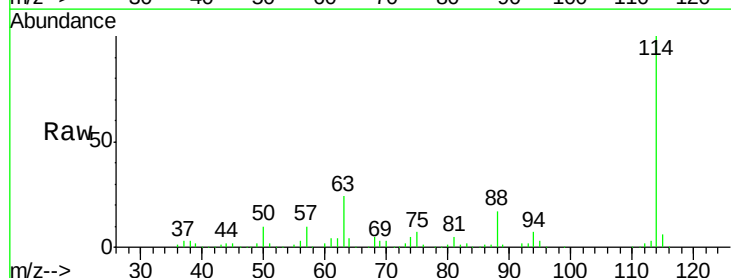
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132855ZHE#19

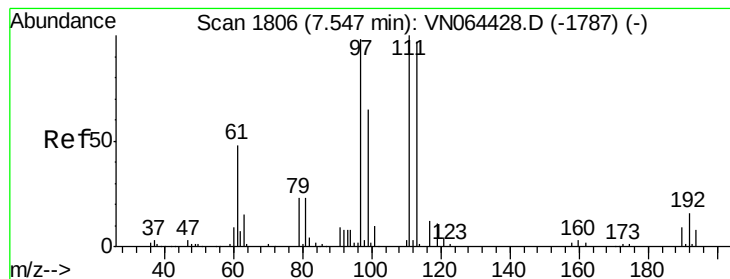
Tot Ion: 65 Resp: 234009
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064489.D
 Acq: 6 Nov 2020 17:39

Tgt Ion: 114 Resp: 503069
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 45.6
 88 17.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.143 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB132855ZHE#19

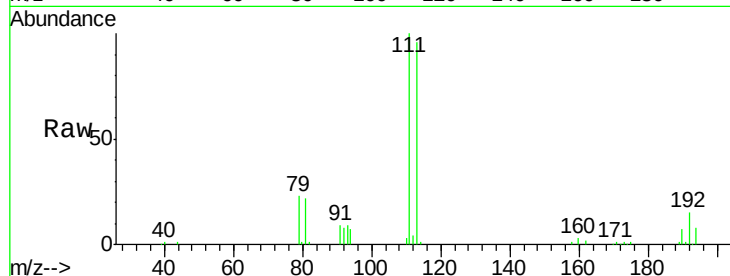
Tot Ion:113 Resp: 168326

Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

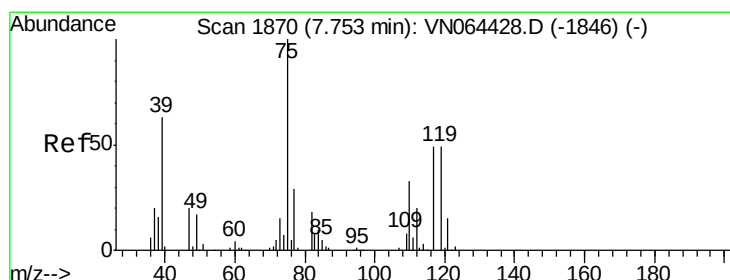
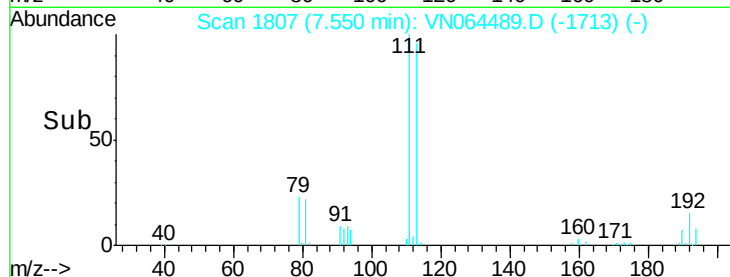
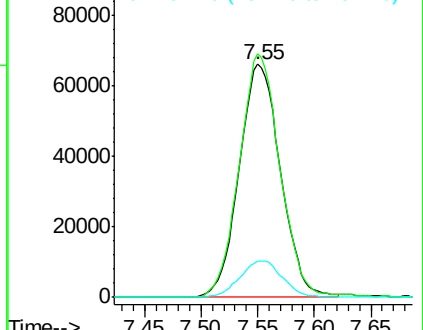
192 16.1 12.8 19.2



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: 4.268 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

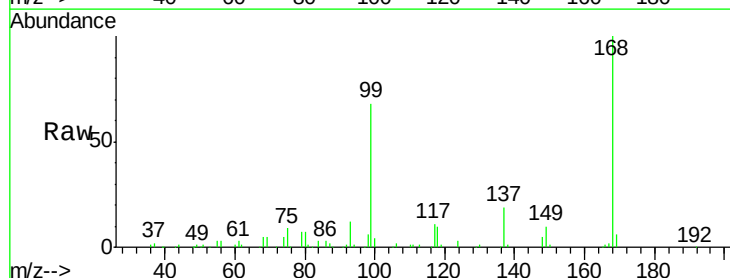
Tgt Ion: 75 Resp: 22682

Ion Ratio Lower Upper

75 100

110 9.4 16.0 48.0#

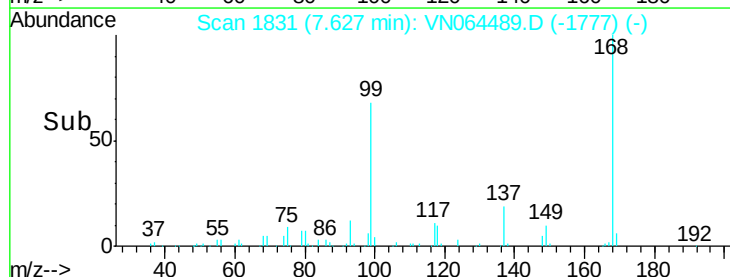
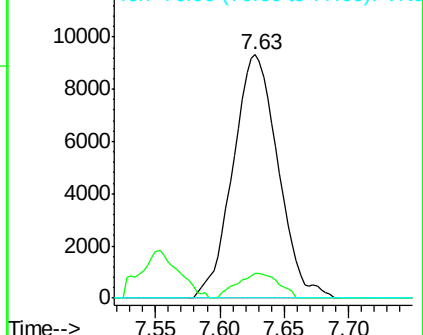
77 0.0 24.0 36.0#

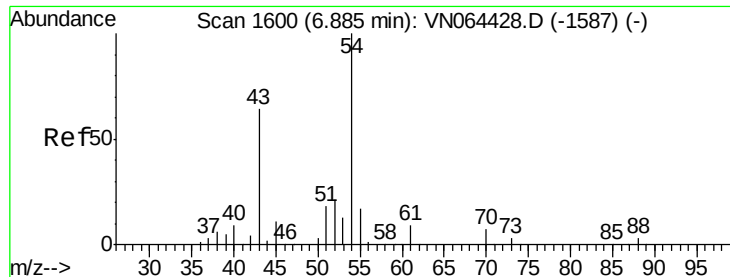


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

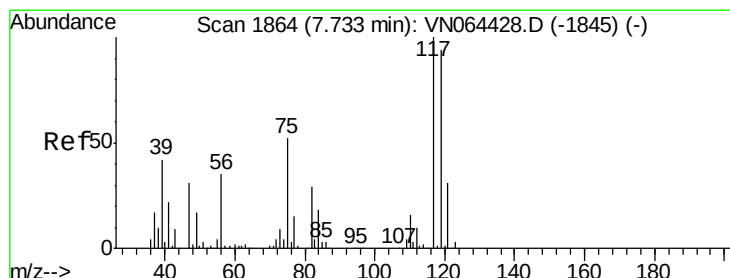
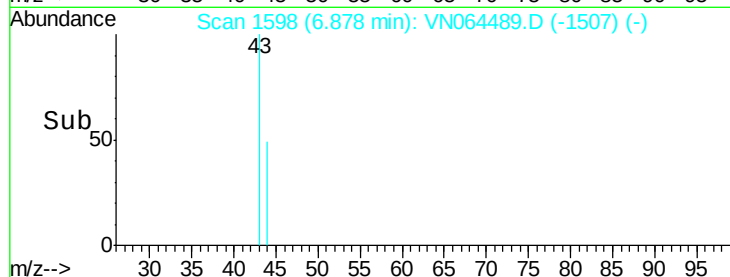
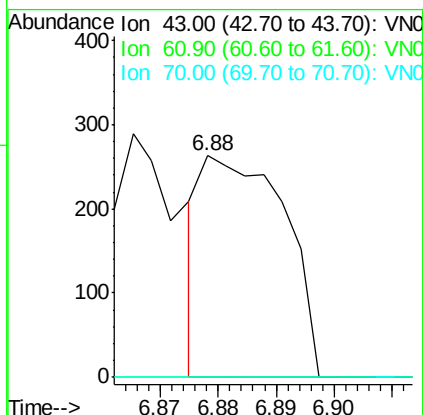
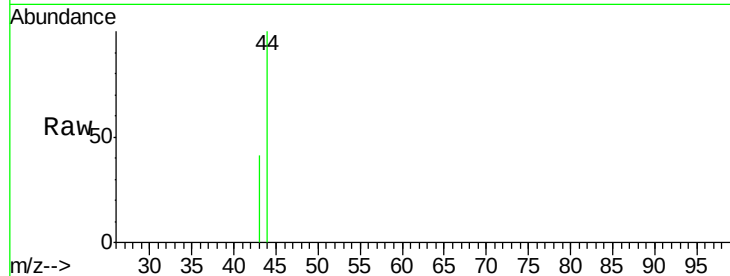




#37
Ethyl Acetate
Concen: 0.810 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

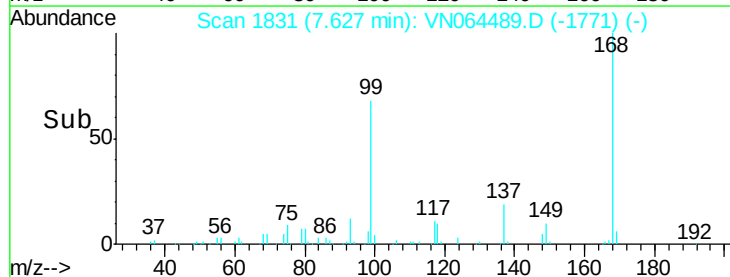
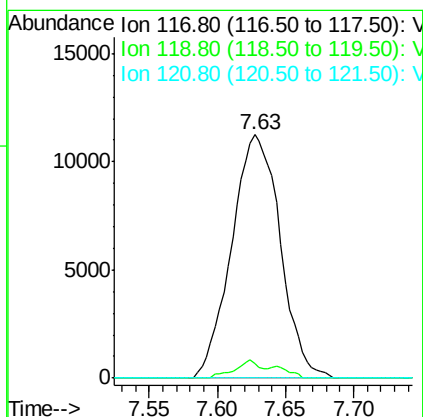
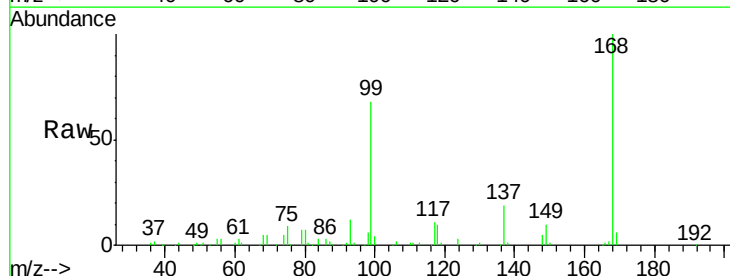
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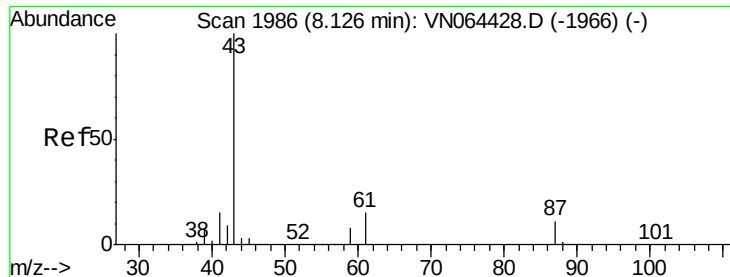
Tot Ion: 43 Resp: 262
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.898 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

Tgt Ion: 117 Resp: 27823
Ion Ratio Lower Upper
117 100
119 6.2 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 11.458 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB132855ZHE#19

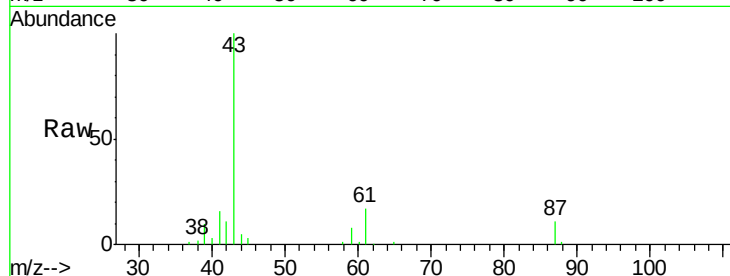
Tot Ion: 43 Resp: 98687

Ion Ratio Lower Upper

43 100

61 16.8 14.0 21.0

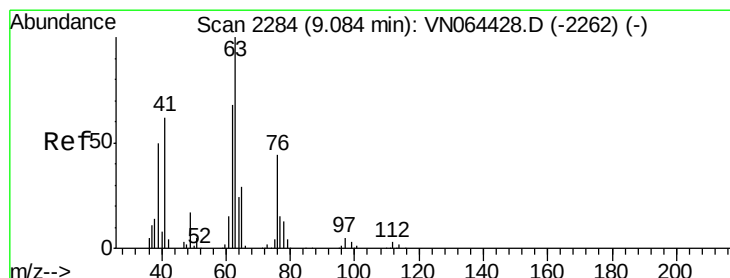
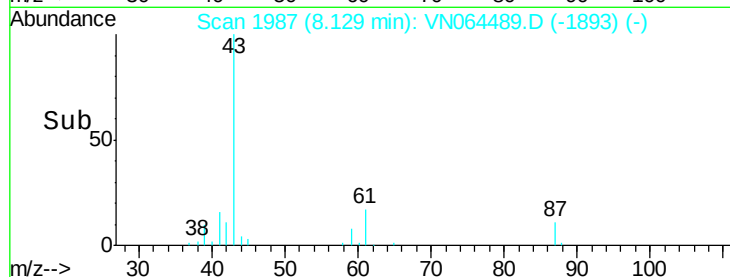
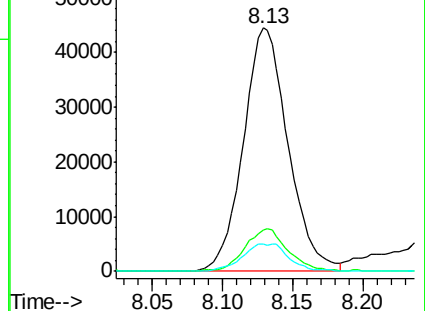
87 11.6 9.1 13.7



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



#45

1,2-Dichloropropane

Concen: 0.551 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064489.D

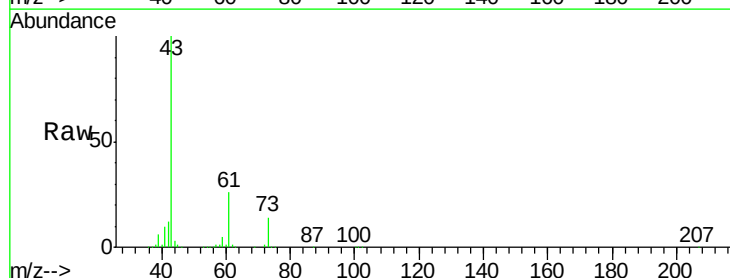
Acq: 6 Nov 2020 17:39

Tgt Ion: 63 Resp: 2297

Ion Ratio Lower Upper

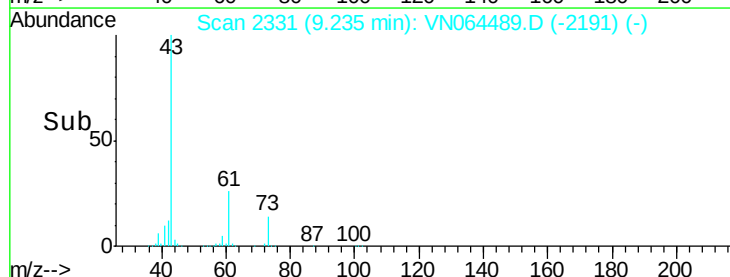
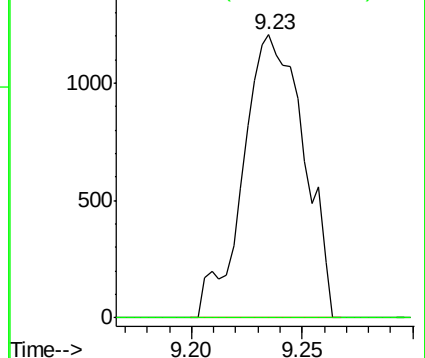
63 100

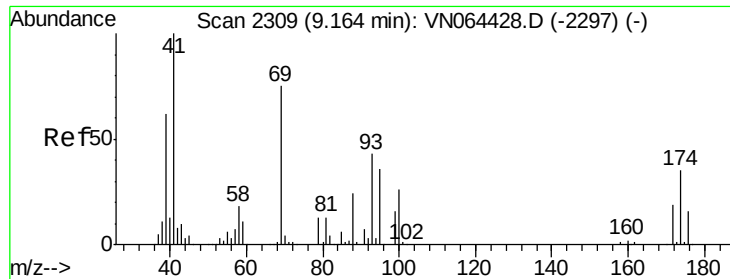
65 0.0 23.6 35.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

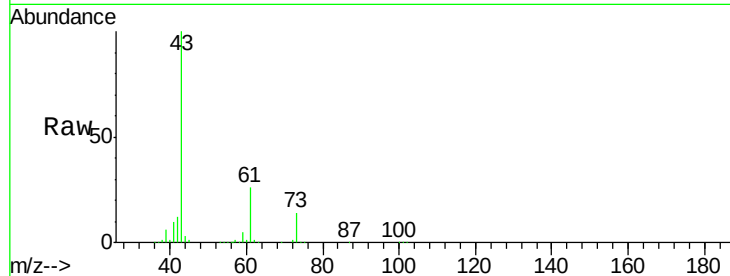




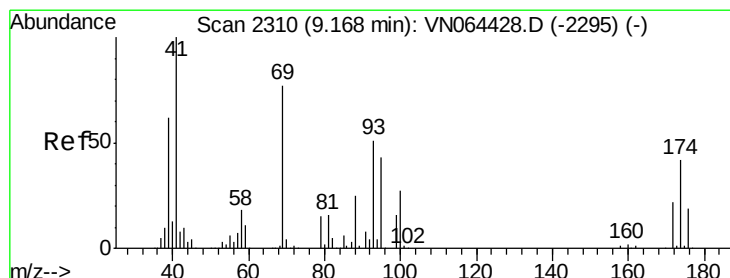
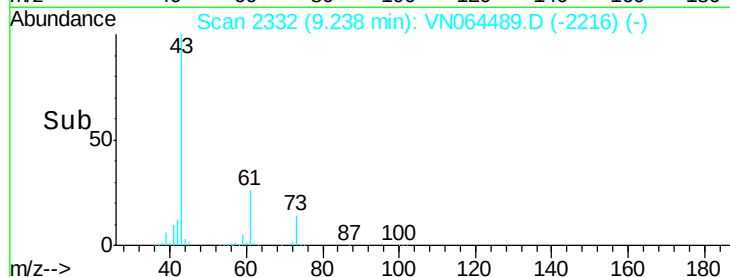
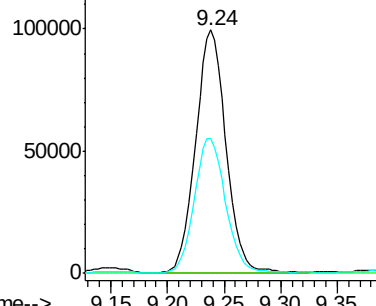
#48
Methyl methacrylate
Concen: 42.453 ug/l
RT: 9.24 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
PB132855ZHE#19

Tot Ion: 41 Resp: 184503
Ion Ratio Lower Upper
41 100
69 0.2 60.4 90.6#
39 57.2 51.2 76.8

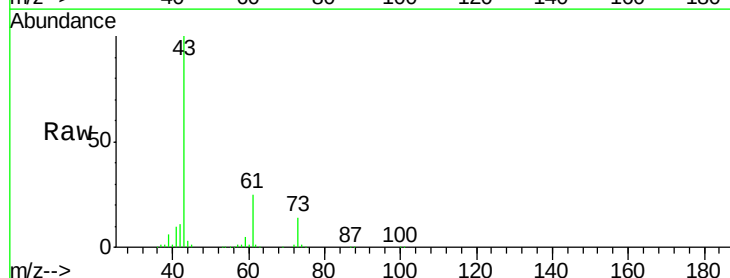


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

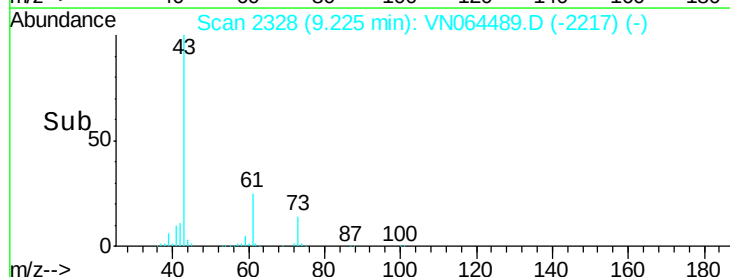
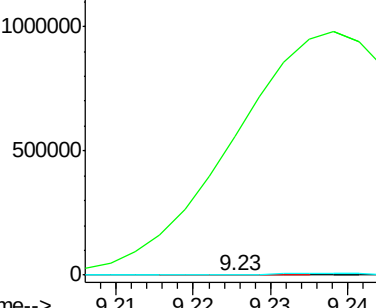


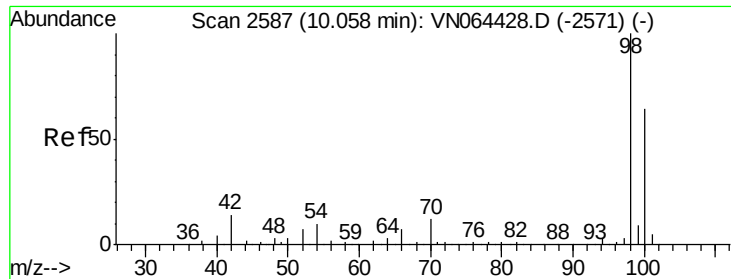
#49
1,4-Dioxane
Concen: 1.747 ug/l
RT: 9.23 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 0.0 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 50.119 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

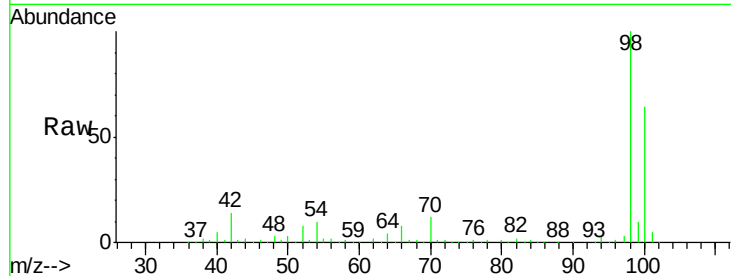
PB132855ZHE#19

Tot Ion: 98 Resp: 663492

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)

10.06

400000

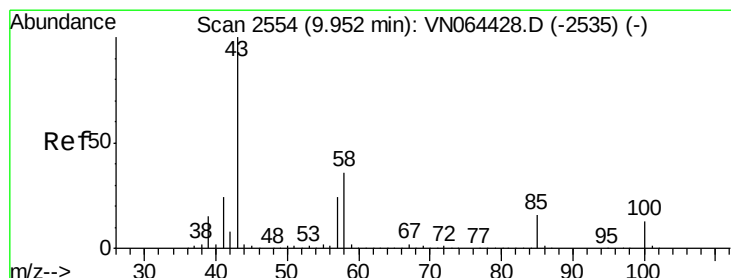
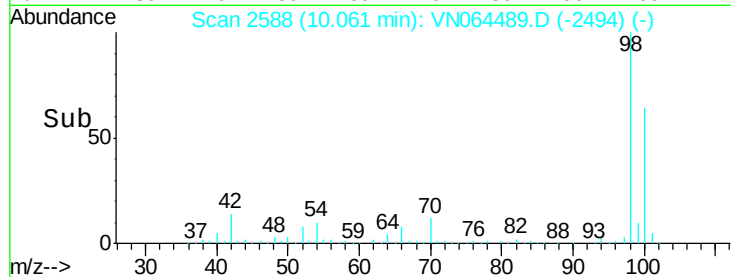
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.369 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064489.D

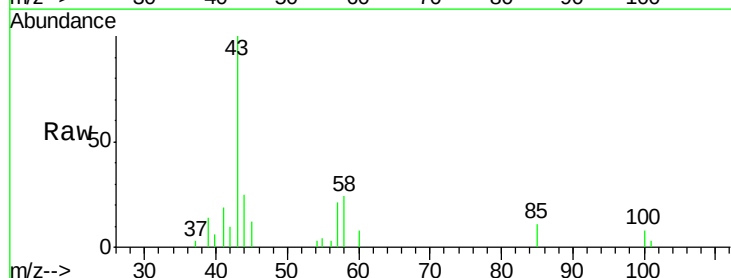
Acq: 6 Nov 2020 17:39

Tgt Ion: 43 Resp: 6878

Ion Ratio Lower Upper

43 100

58 37.7 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

12000

10000

8000

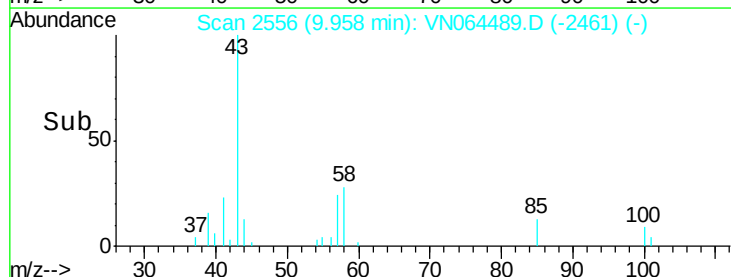
6000

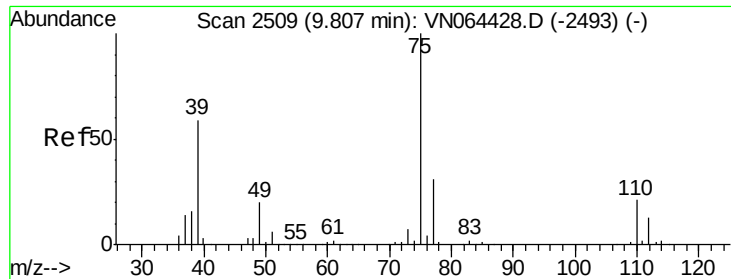
4000

2000

0

Time-->



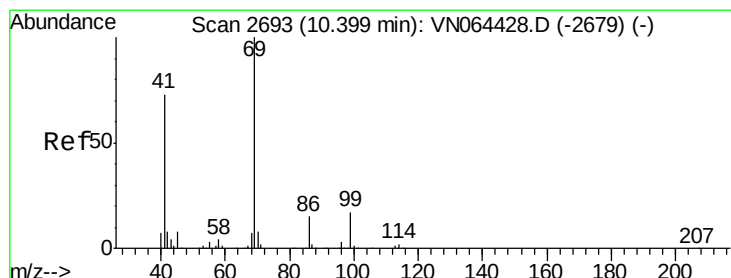
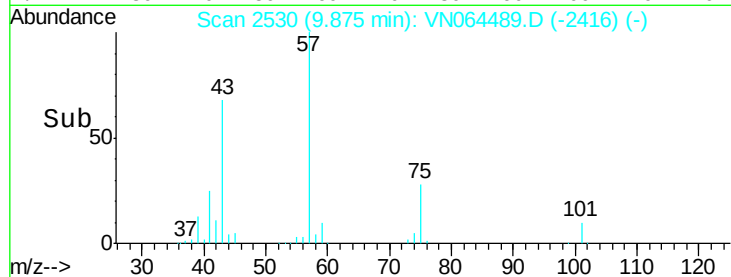
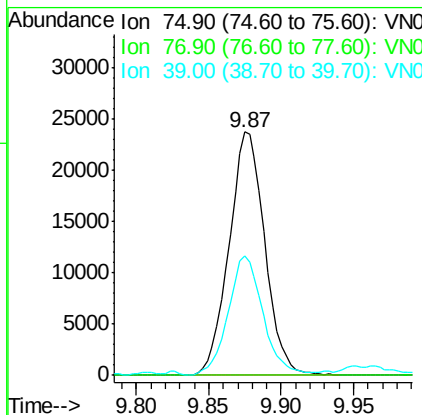
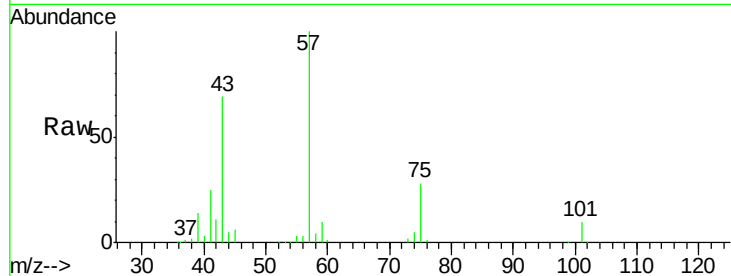


#54

cis-1,3-Dichloropropene
 Concen: 6.053 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064489.D
 Acq: 6 Nov 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132855ZHE#19

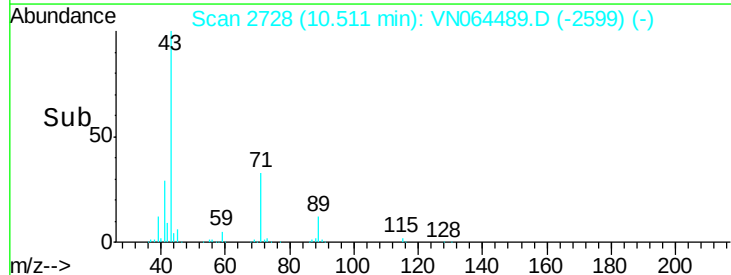
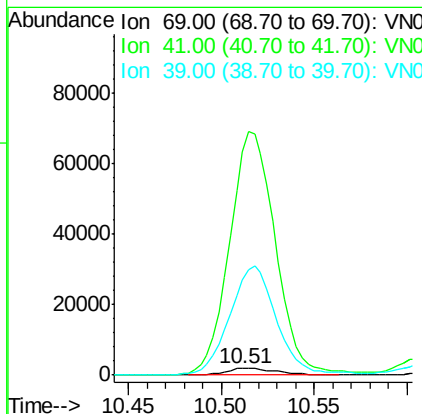
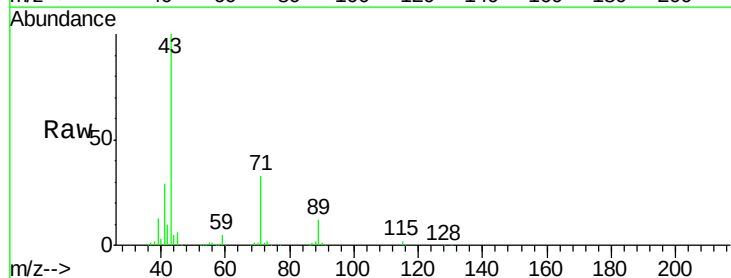
Tot Ion: 75 Resp: 40467
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 49.0 47.1 70.7

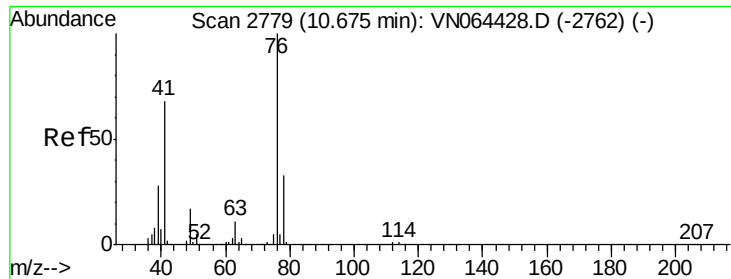


#56

Ethyl methacrylate
 Concen: 2.440 ug/l
 RT: 10.51 min Scan# 2728
 Delta R.T. 0.11 min
 Lab File: VN064489.D
 Acq: 6 Nov 2020 17:39

Tgt Ion: 69 Resp: 3799
 Ion Ratio Lower Upper
 69 100
 41 3101.7 59.3 88.9#
 39 1432.9 35.4 53.0#





#57

1,3-Dichloropropane

Concen: 1.096 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

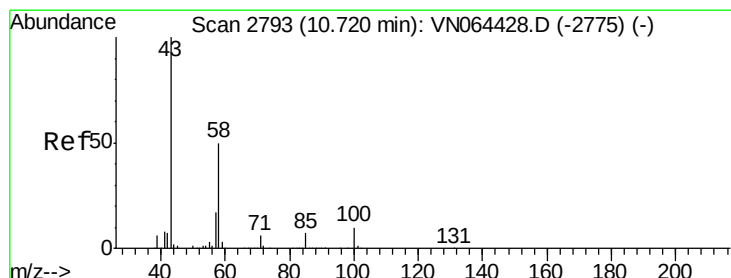
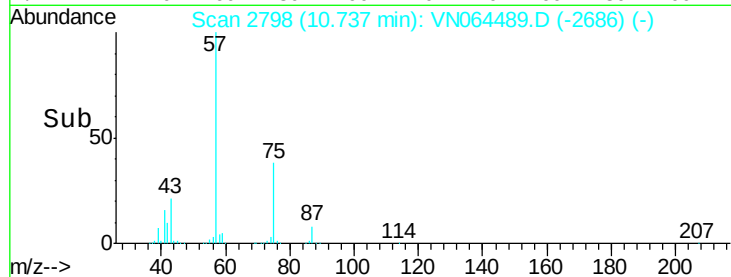
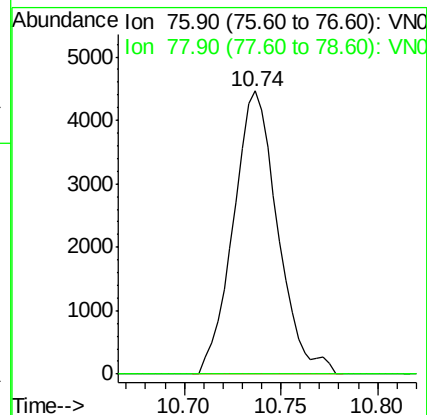
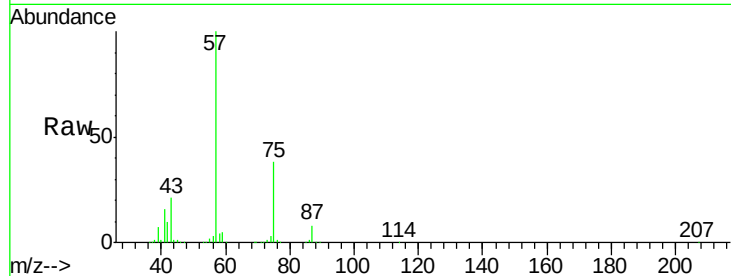
PB132855ZHE#19

Tot Ion: 76 Resp: 7106

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 32.446 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064489.D

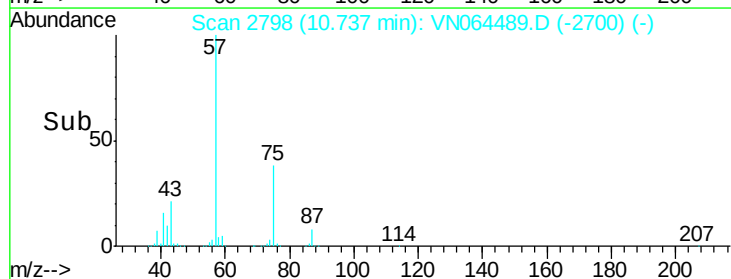
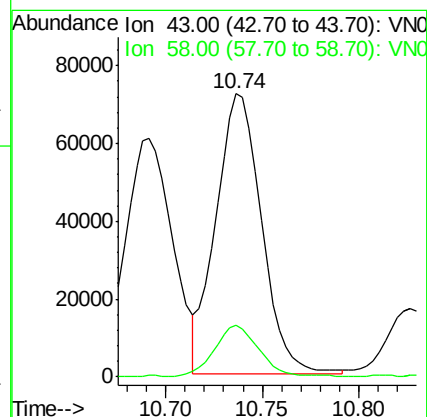
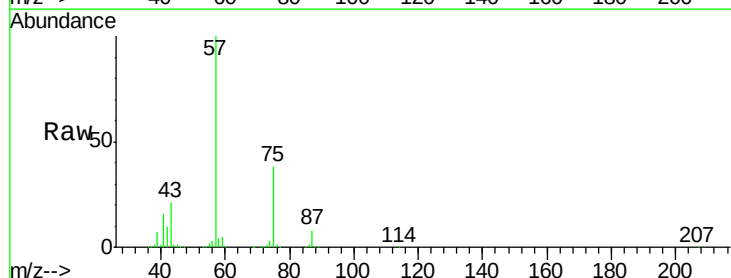
Acq: 6 Nov 2020 17:39

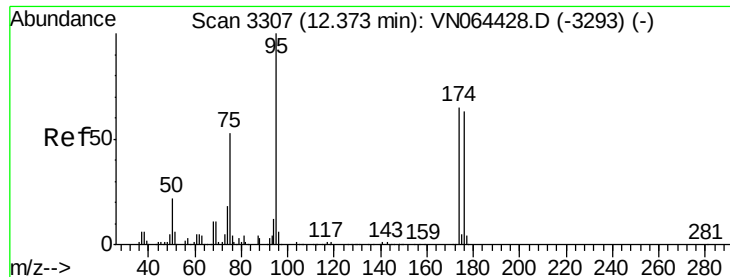
Tgt Ion: 43 Resp: 118297

Ion Ratio Lower Upper

43 100

58 17.2 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 50.583 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB132855ZHE#19

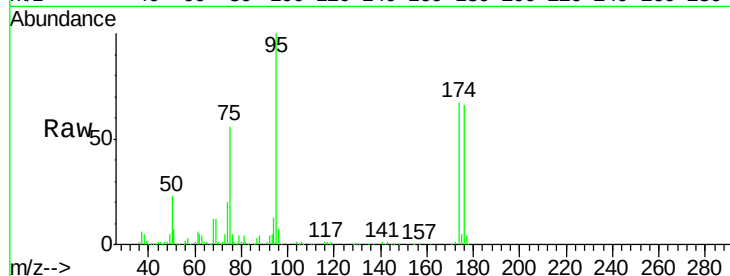
Tot Ion: 95 Resp: 253250

Ion Ratio Lower Upper

95 100

174 69.0 0.0 132.6

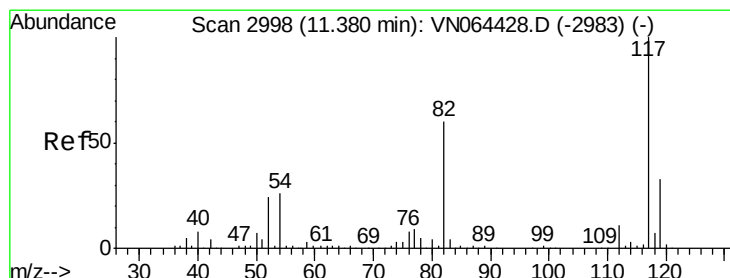
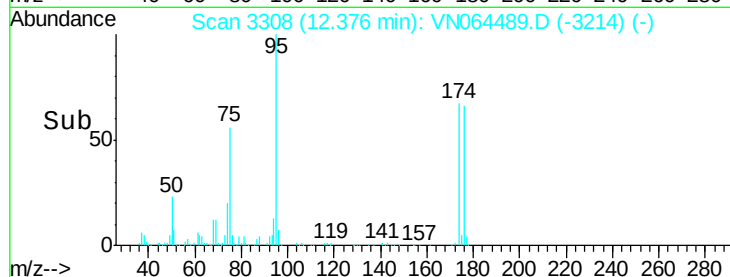
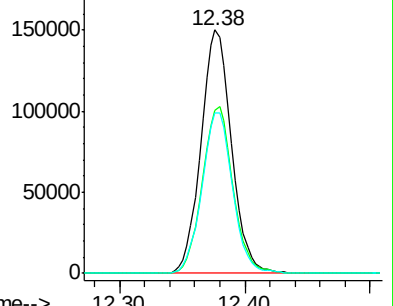
176 66.6 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

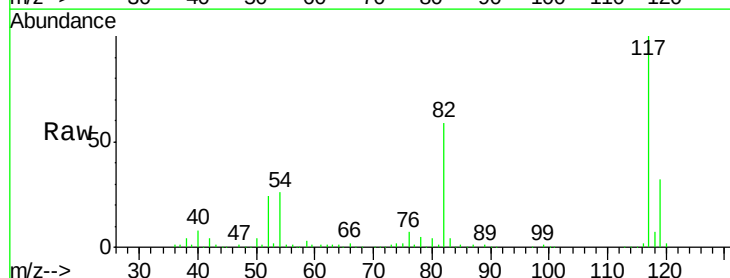
Tgt Ion: 117 Resp: 537269

Ion Ratio Lower Upper

117 100

82 59.0 48.1 72.1

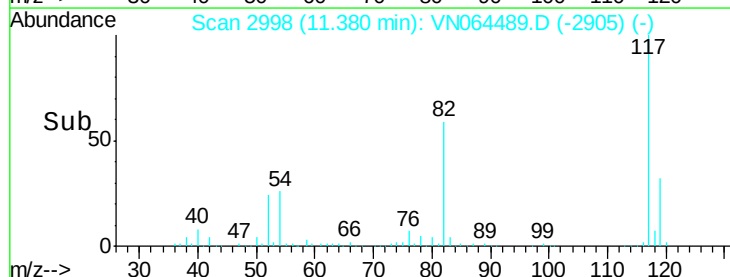
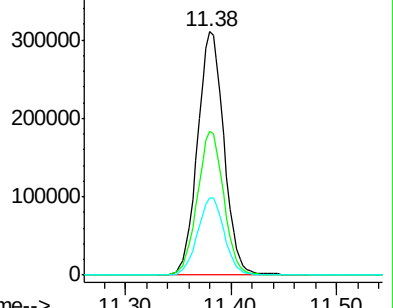
119 31.6 26.2 39.4

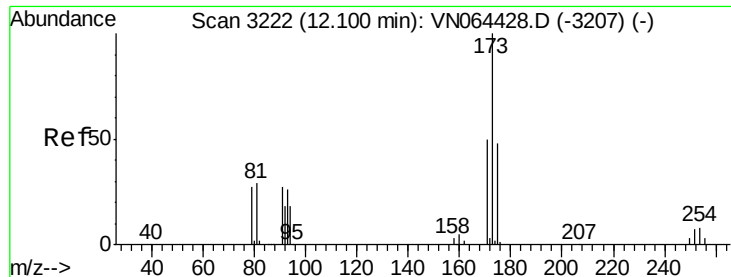


Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)





#71

Bromoform

Concen: 1.486 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB132855ZHE#19

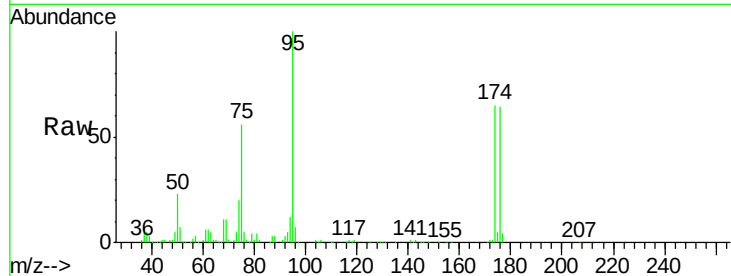
Tot Ion:173 Resp: 715

Ion Ratio Lower Upper

173 100

175 1480.3 23.7 71.1#

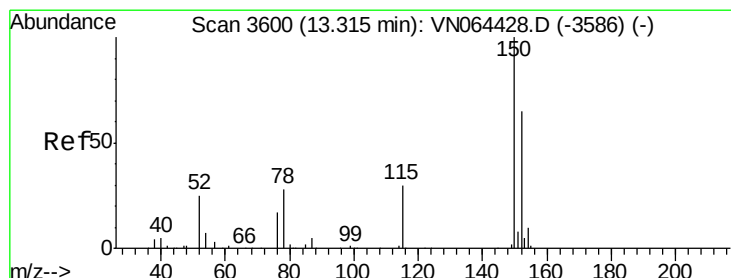
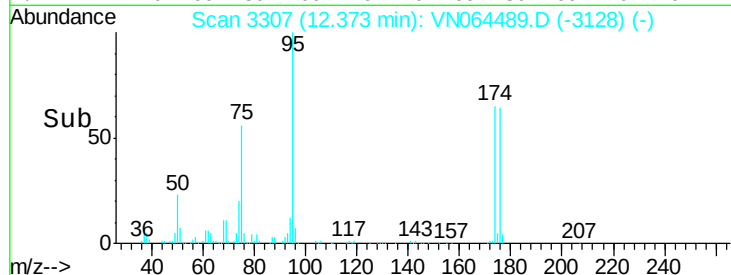
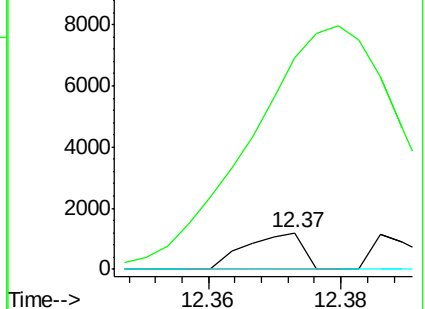
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

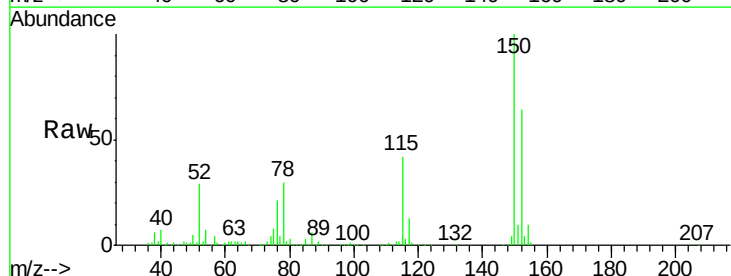
Tgt Ion:152 Resp: 195736

Ion Ratio Lower Upper

152 100

115 64.2 32.0 96.0

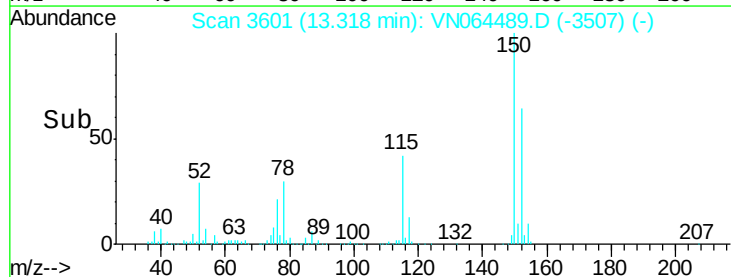
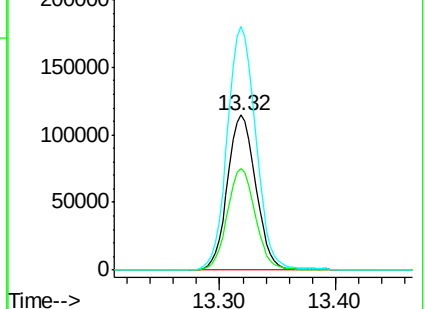
150 157.0 0.0 353.8

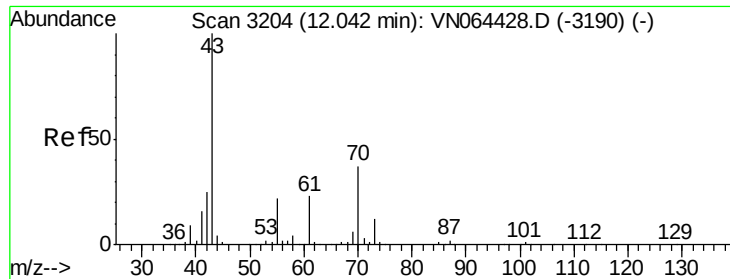


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

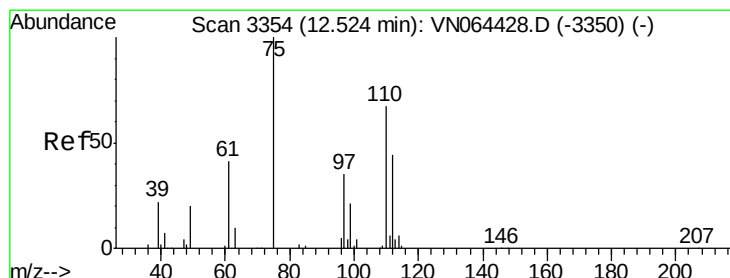
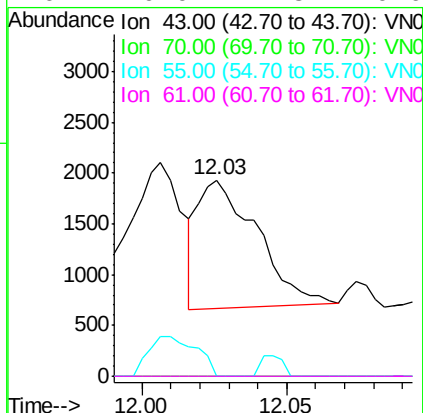
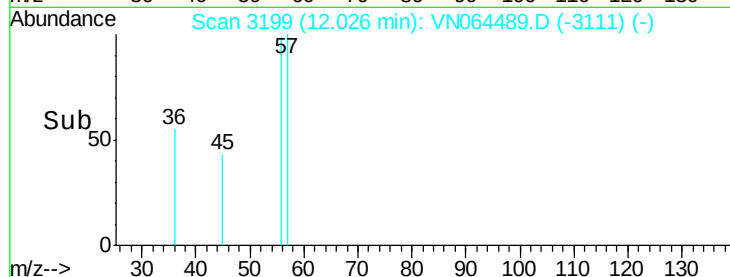
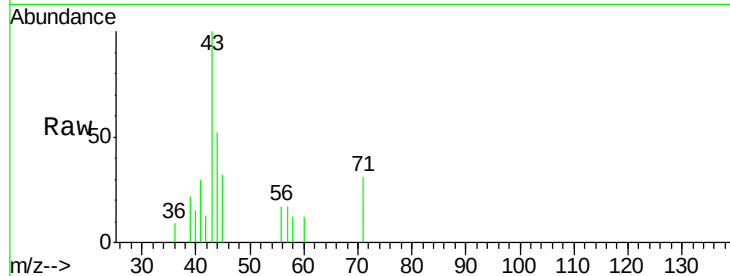




#74
N-amvl acetate
Concen: 1.443 ug/l
RT: 12.03 min Scan# 3199
Delta R.T. -0.02 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

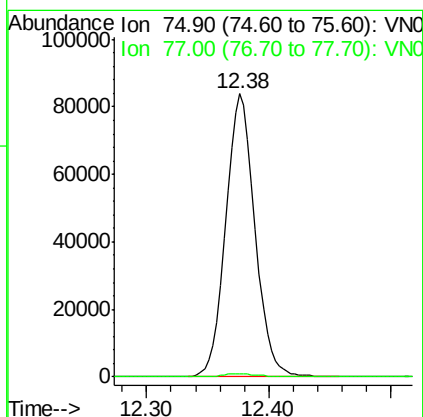
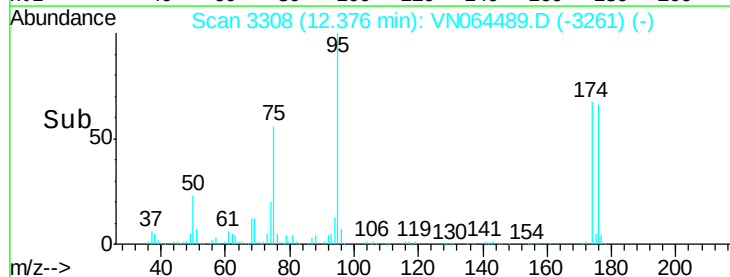
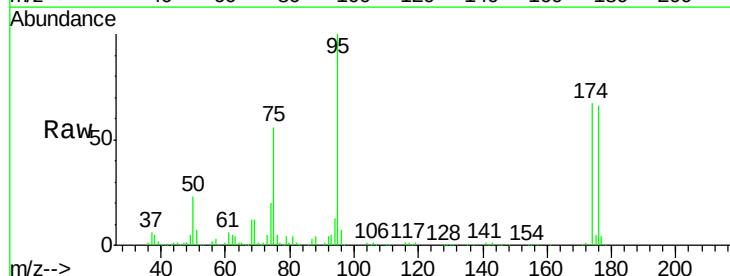
Instrument :
MSVOA_N
ClientSampleId :
PB132855ZHE#19

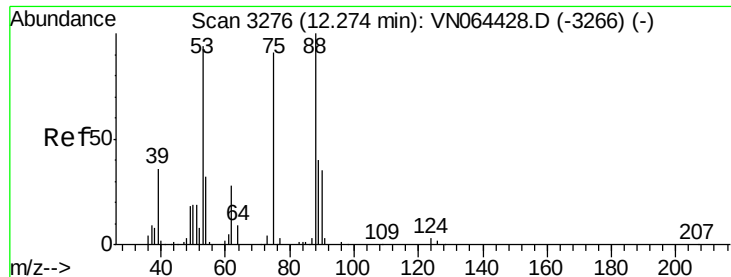
Tot Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
70 0.0 29.6 44.4#
55 6.2 18.4 27.6#
61 0.0 17.8 26.6#



#76
1,2,3-Trichloropropane
Concen: 29.630 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.15 min
Lab File: VN064489.D
Acq: 6 Nov 2020 17:39

Tgt Ion: 75 Resp: 140521
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 82.730 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064489.D

Acq: 6 Nov 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

PB132855ZHE#19

Tot Ion: 75 Resp: 140521

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 36.3 54.5#

