

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064534.D
 Acq On : 10 Nov 2020 18:37
 Operator : JC/MD
 Sample : PB132908TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908TB

Quant Time: Nov 11 01:53:43 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	246473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	497371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	557328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194855	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	240466	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
35) Dibromofluoromethane	7.55	113	178004	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	10.06	98	686063	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	12.38	95	253267	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	

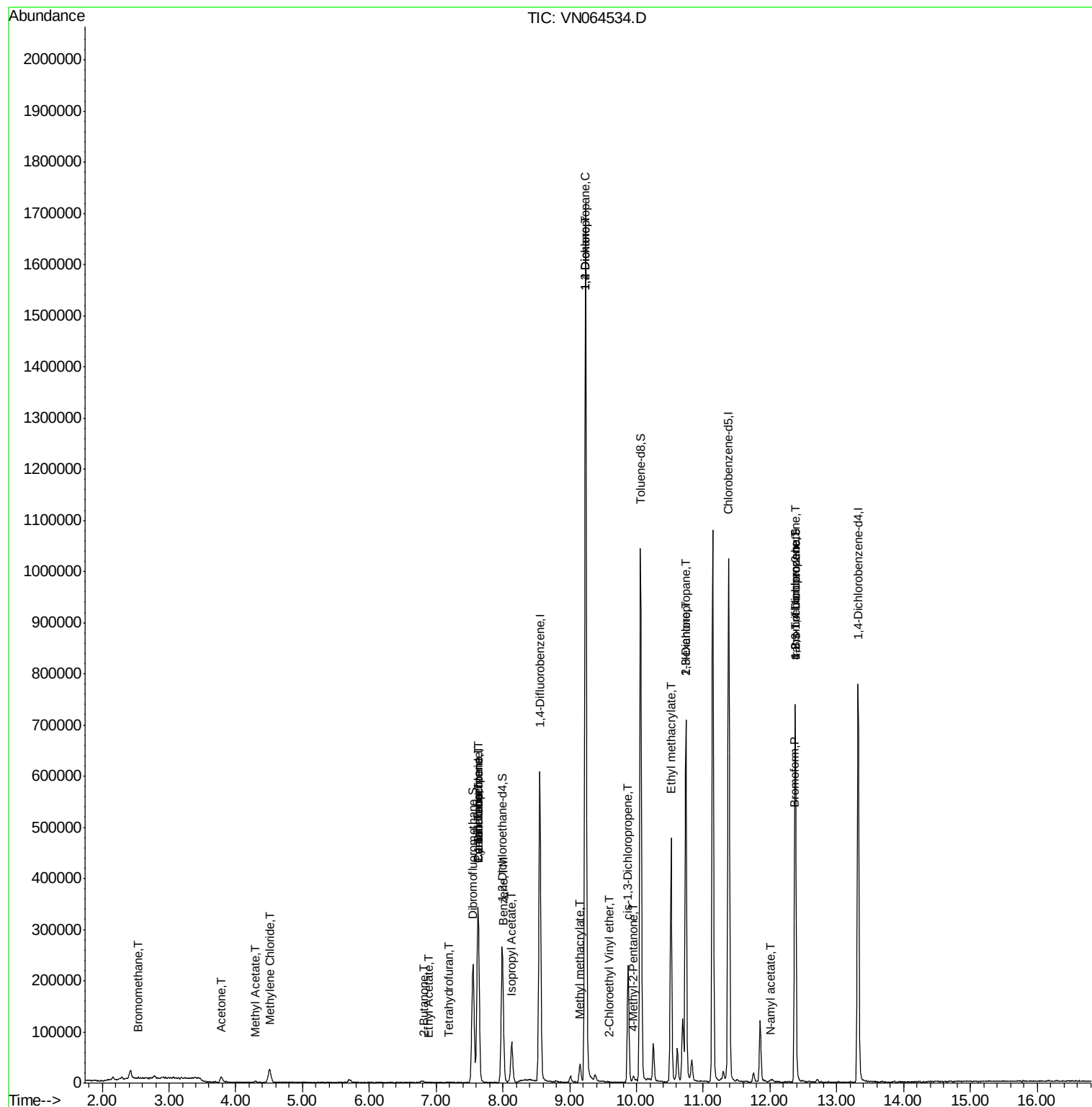
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	534	0.209	ug/l #	4
16) Acetone	3.79	43	18306	11.194	ug/l	99
18) Methyl Acetate	4.29	43	1600	0.498	ug/l #	46
20) Methylene Chloride	4.50	84	18208	5.612	ug/l	91
25) 2-Butanone	6.81	43	2363	1.134	ug/l	98
29) Tetrahydrofuran	7.18	42	588	0.460	ug/l #	47
31) Cyclohexane	7.64	56	8157	1.563	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	23575	4.487	ug/l #	50
37) Ethyl Acetate	6.89	43	318	0.821	ug/l #	71
38) Carbon Tetrachloride	7.63	117	28106	5.005	ug/l #	18
40) Benzene	8.01	78	4069	0.264	ug/l #	82
43) Isopropyl Acetate	8.13	43	93385	10.967	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1814	0.440	ug/l #	45
48) Methyl methacrylate	9.15	41	6241	1.452	ug/l #	15
49) 1,4-Dioxane	9.23	88	99	1.749	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	7953	1.602	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	35765	5.411	ug/l #	68
56) Ethyl methacrylate	10.52	69	3451	2.391	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6179	0.964	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.59	63	64	21.558	ug/l #	51
59) 2-Hexanone	10.74	43	109636	30.667	ug/l #	55
71) Bromoform	12.36	173	87	1.300	ug/l #	29
74) N-amyl acetate	12.01	43	3575	1.679	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	144587	30.625	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	144587	85.509	ug/l #	8

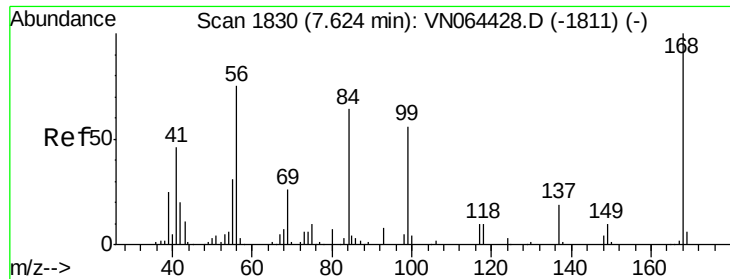
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

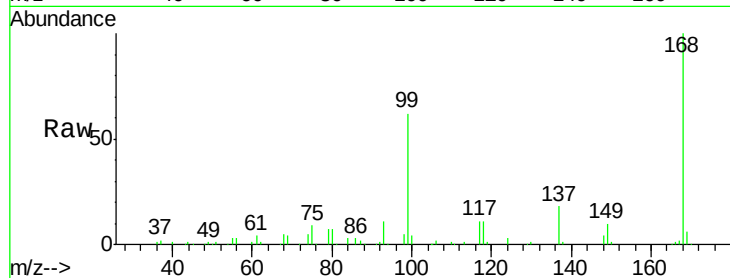
PB132908TB

Tot Ion:168 Resp: 246473

Ion Ratio Lower Upper

168 100

99 62.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

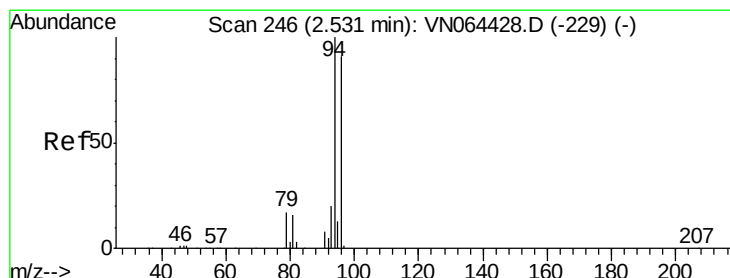
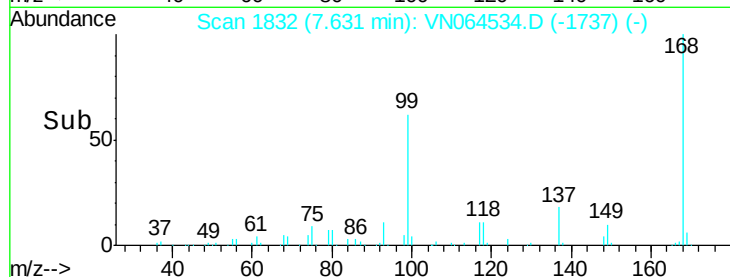
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.209 ug/l

RT: 2.55 min Scan# 251

Delta R.T. 0.02 min

Lab File: VN064534.D

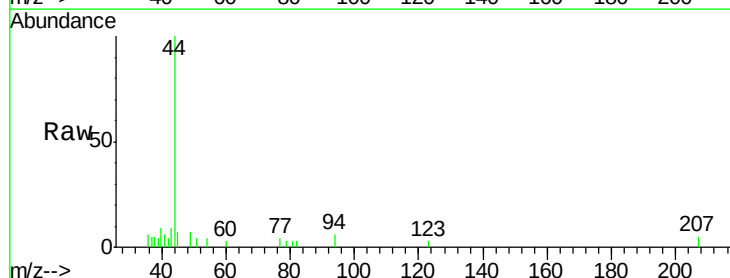
Acq: 10 Nov 2020 18:37

Tgt Ion: 94 Resp: 534

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

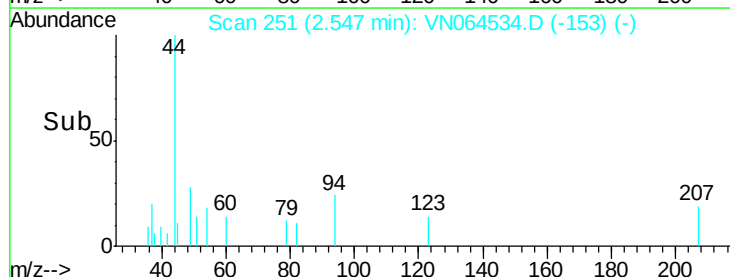
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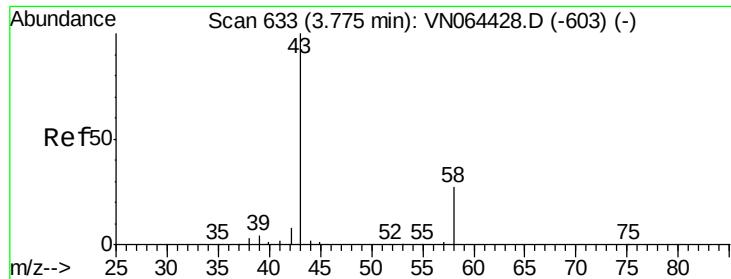
200

100

0

Time-->

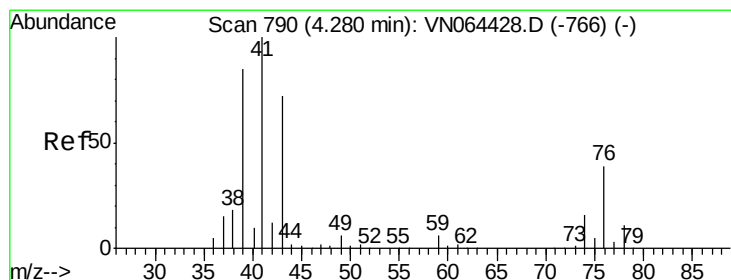
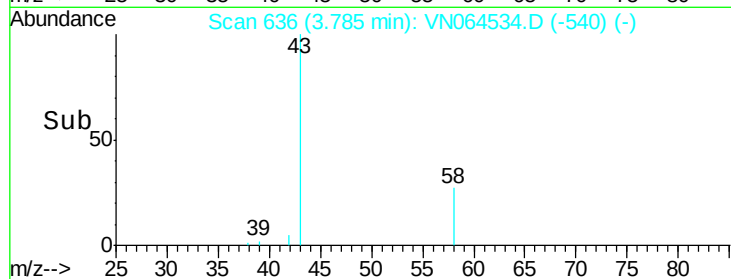
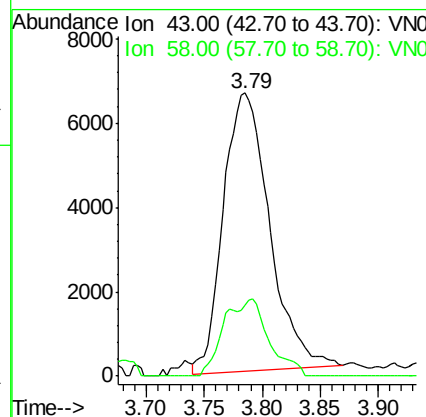
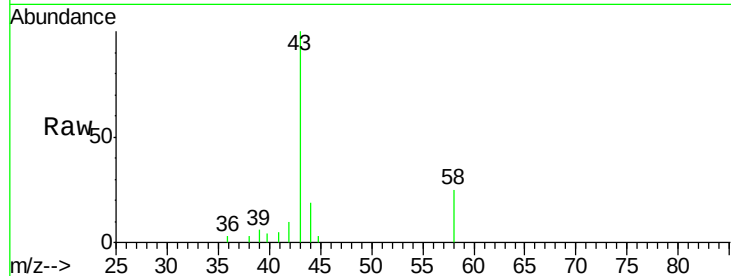




#16
 Acetone
 Concen: 11.194 ug/l
 RT: 3.79 min Scan# 636
 Delta R.T. 0.01 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

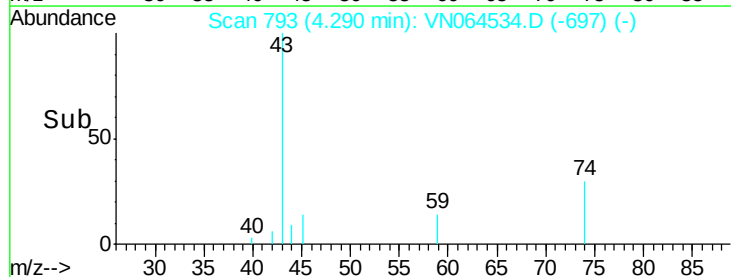
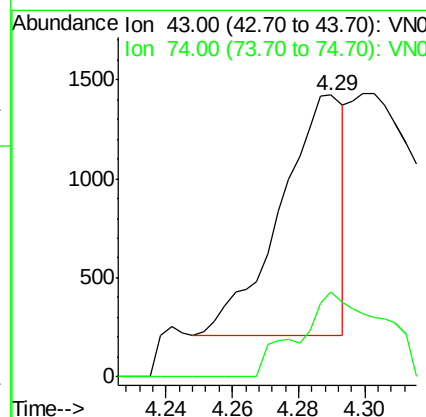
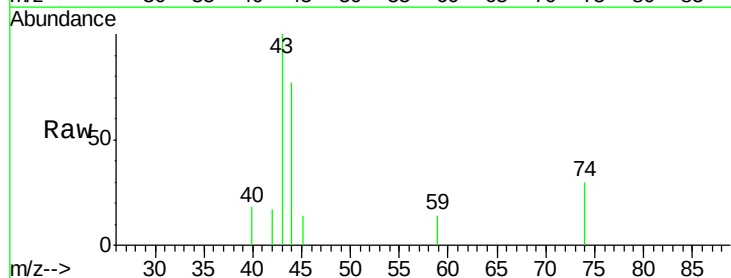
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908TB

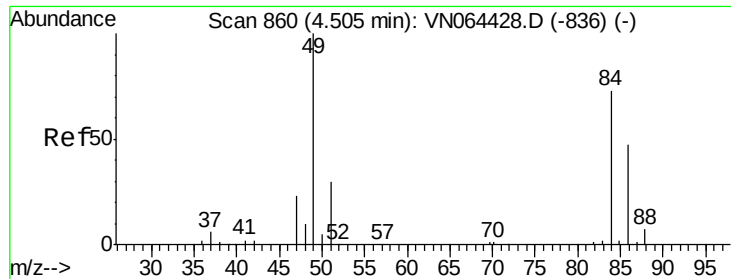
Tot Ion: 43 Resp: 18306
 Ion Ratio Lower Upper
 43 100
 58 26.0 21.4 32.0



#18
 Methyl Acetate
 Concen: 0.498 ug/l
 RT: 4.29 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

Tgt Ion: 43 Resp: 1600
 Ion Ratio Lower Upper
 43 100
 74 46.4 17.0 25.4#

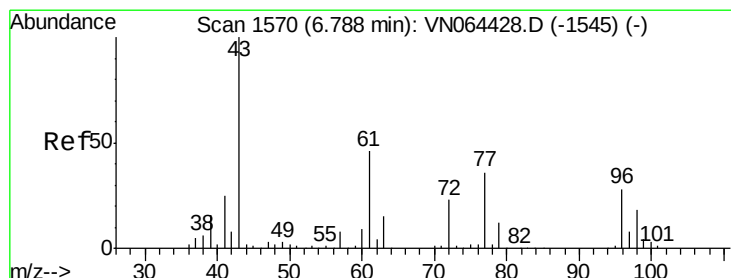
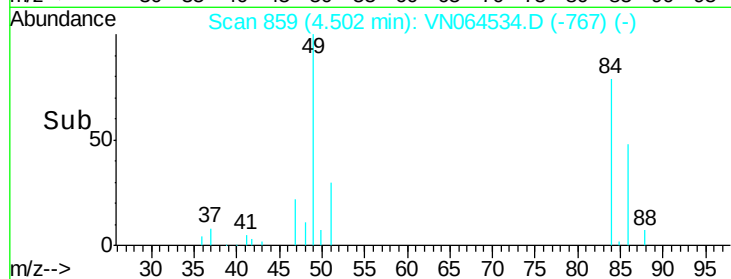
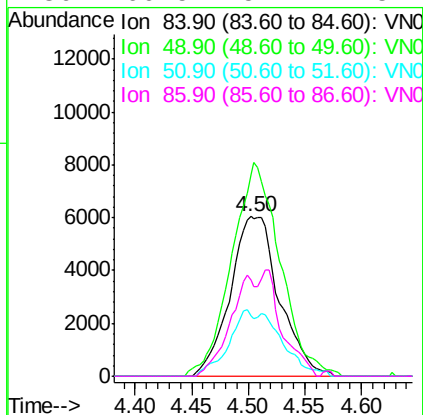
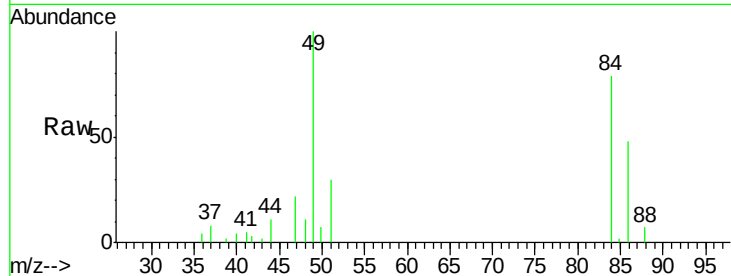




#20
Methvlene Chloride
Concen: 5.612 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

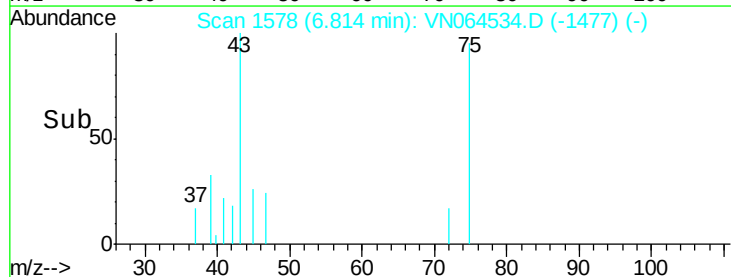
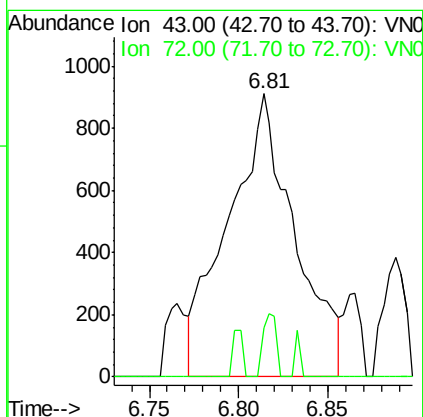
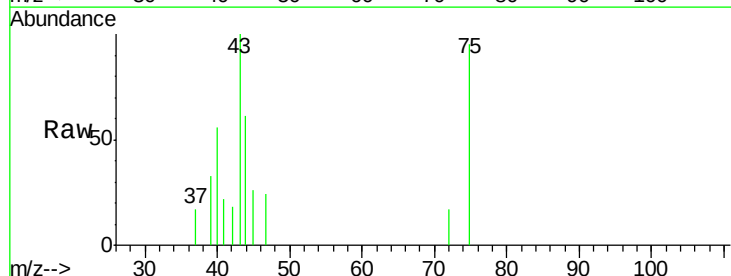
Instrument :
MSVOA_N
ClientSampleId :
PB132908TB

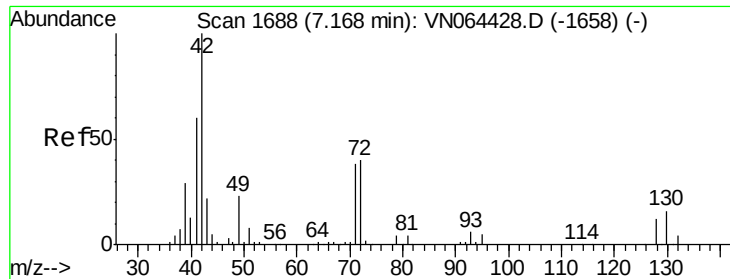
Tot Ion:	84	Resp:	18208
Ion	Ratio	Lower	Upper
84	100		
49	124.1	110.1	165.1
51	37.9	33.6	50.4
86	60.5	52.1	78.1



#25
2-Butanone
Concen: 1.134 ug/l
RT: 6.81 min Scan# 1578
Delta R.T. 0.03 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

Tgt Ion:	43	Resp:	2363
Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.5	27.7





#29

Tetrahydrofuran

Concen: 0.460 ug/l

RT: 7.18 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

PB132908TB

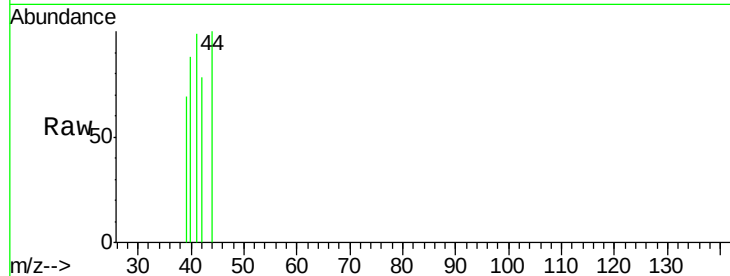
Tot Ion: 42 Resp: 588

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

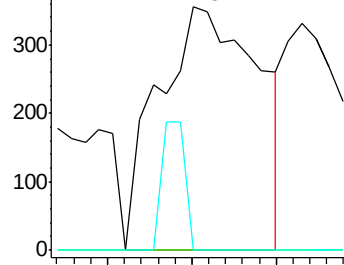
71 12.2 29.8 44.6#



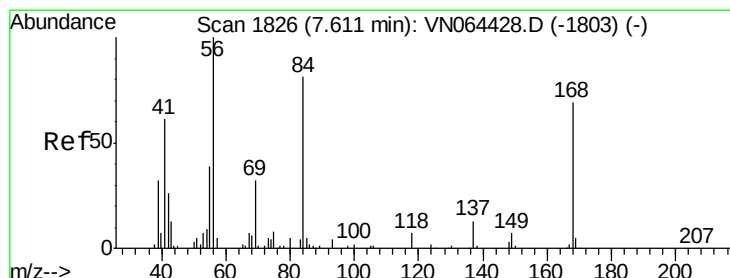
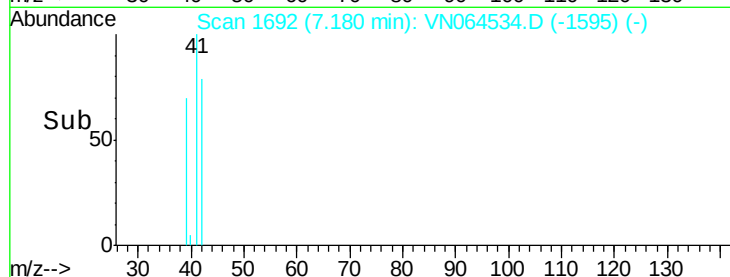
Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO



Time-->



#31

Cyclohexane

Concen: 1.563 ug/l

RT: 7.64 min Scan# 1834

Delta R.T. 0.03 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

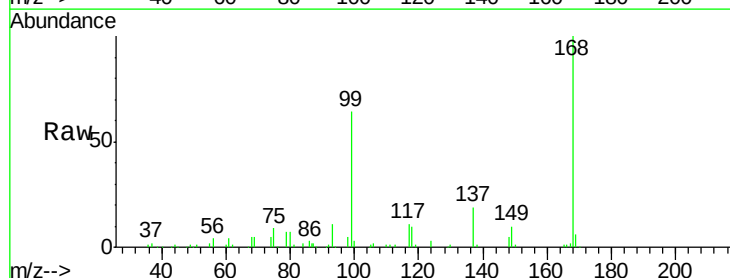
Tgt Ion: 56 Resp: 8157

Ion Ratio Lower Upper

56 100

69 133.9 25.6 38.4#

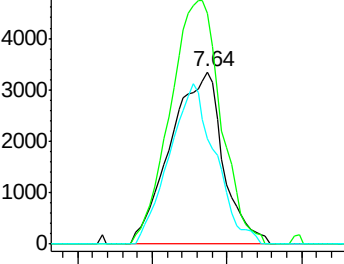
84 61.0 63.0 94.6#



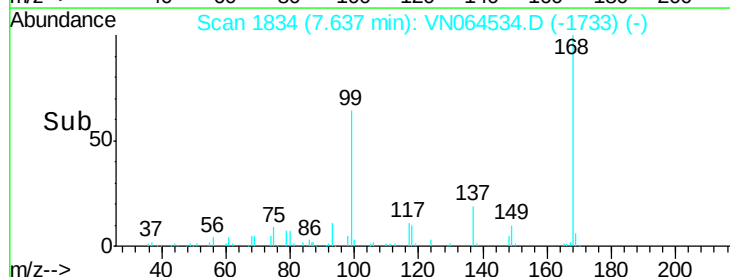
Abundance Ion 56.00 (55.70 to 56.70): VNO

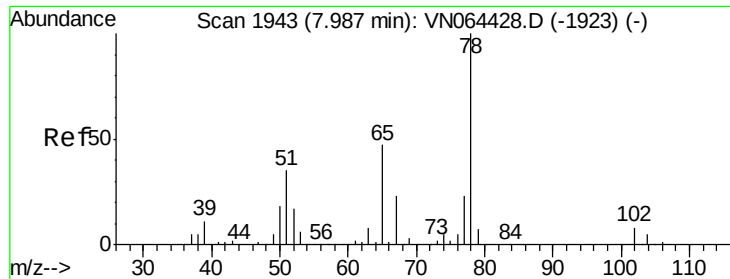
Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



Time-->

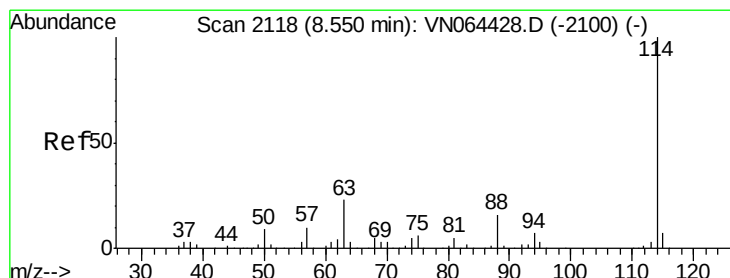
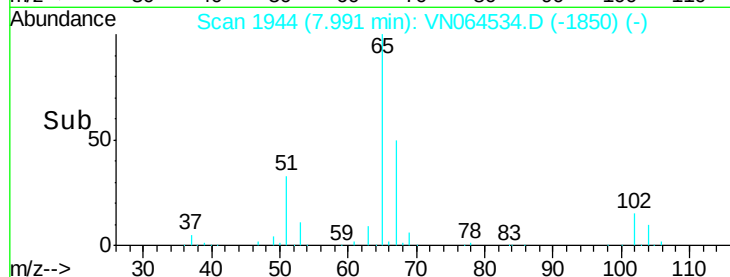
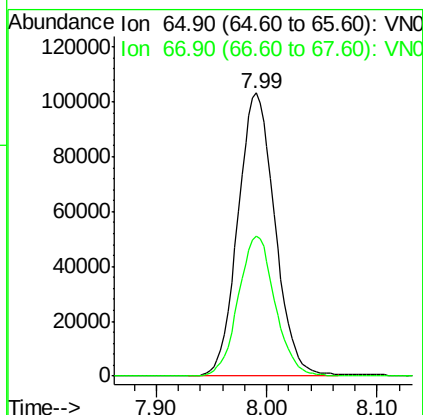
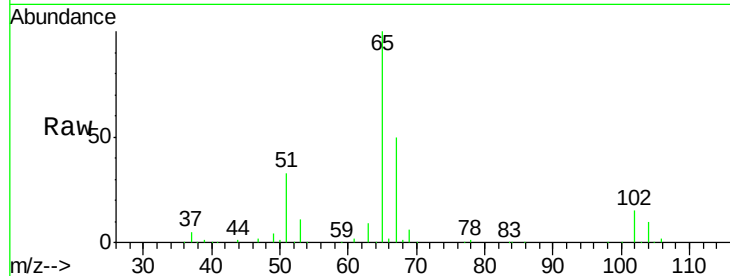




#33
 1,2-Dichloroethane-d4
 Concen: 56.011 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

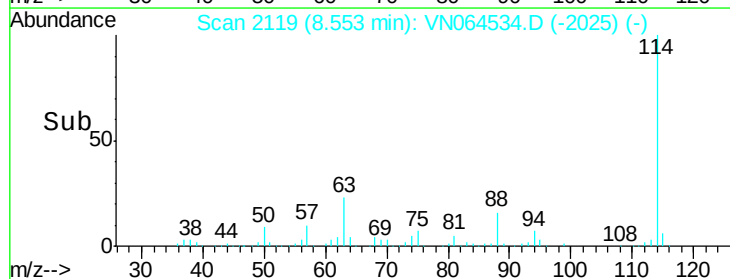
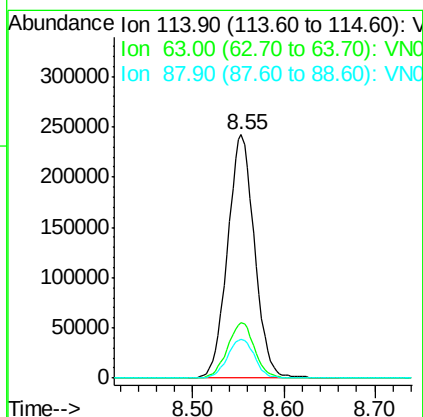
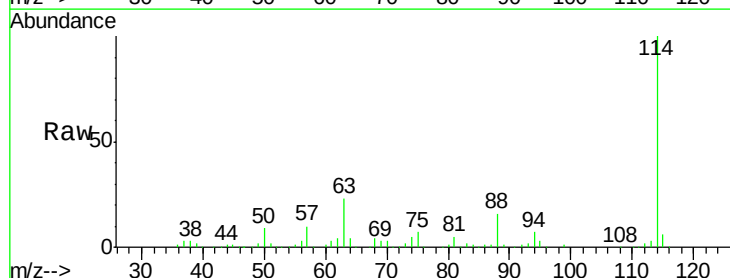
Instrument :
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 ClientSampled :
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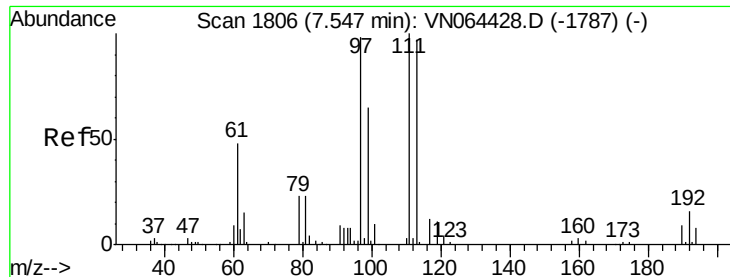
Tot Ion: 65 Resp: 240466
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

Tgt Ion: 114 Resp: 497371
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.6
 88 15.8 0.0 32.8

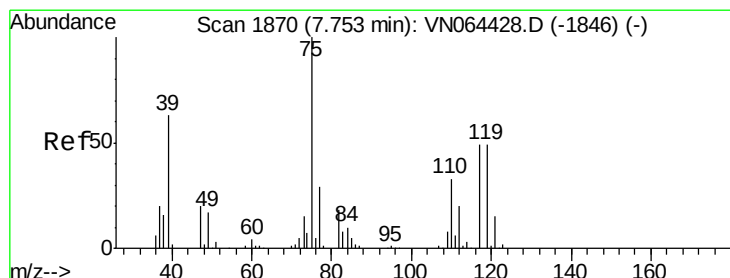
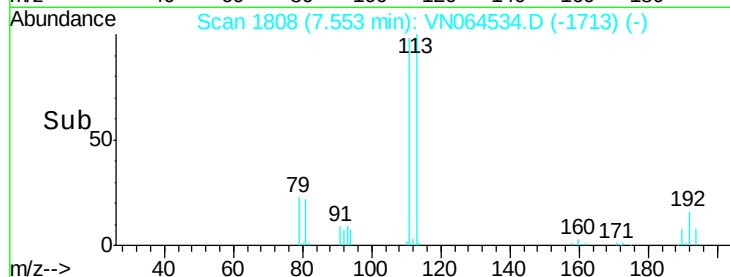
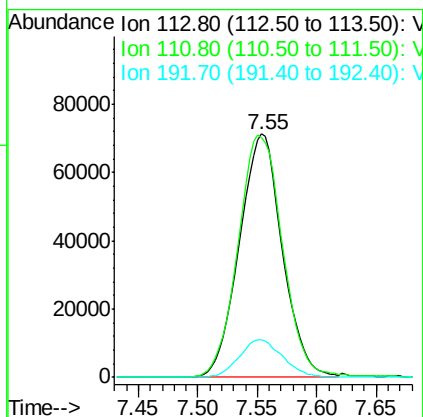
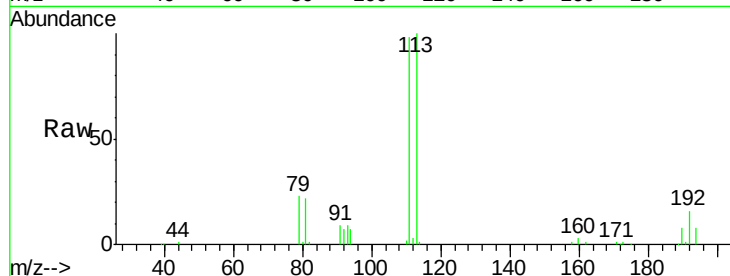




#35
 Dibromofluoromethane
 Concen: 52.564 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

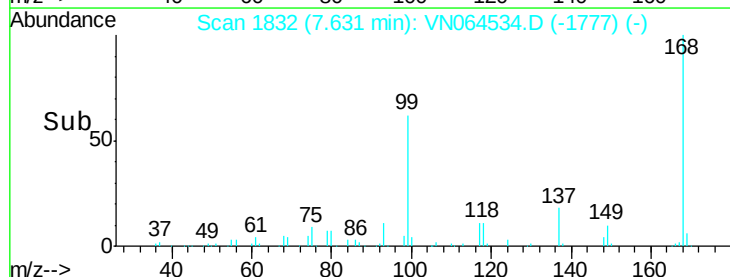
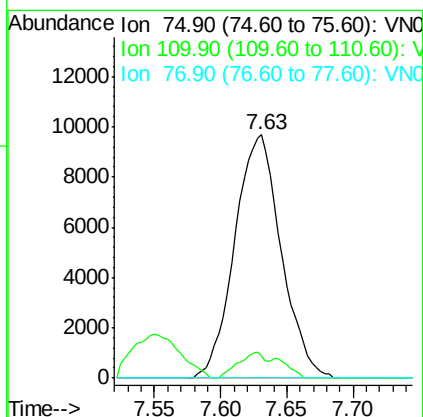
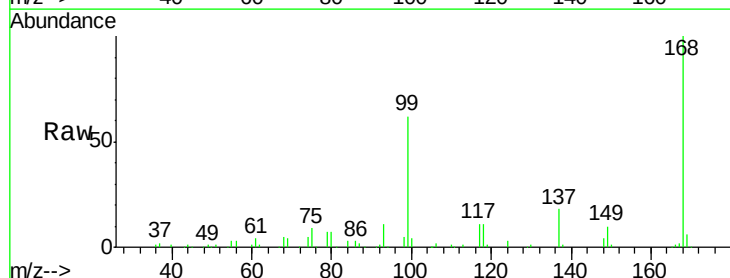
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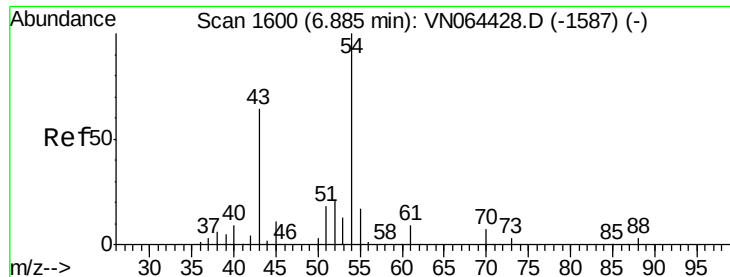
Tot Ion:113 Resp: 178004
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.1 121.7
 192 15.7 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

Tgt Ion: 75 Resp: 23575
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.0 48.0#
 77 0.0 24.0 36.0#

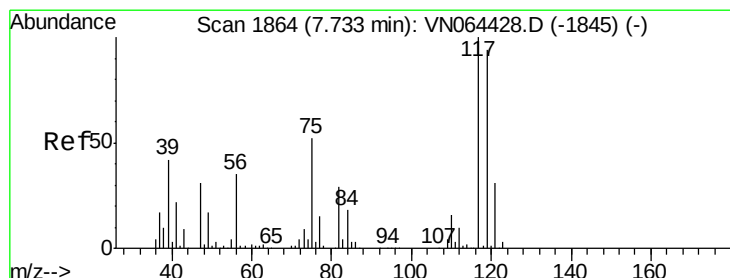
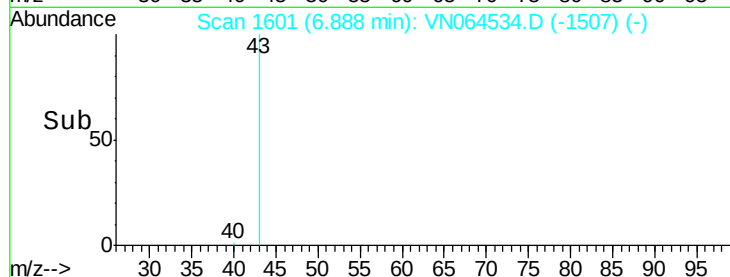
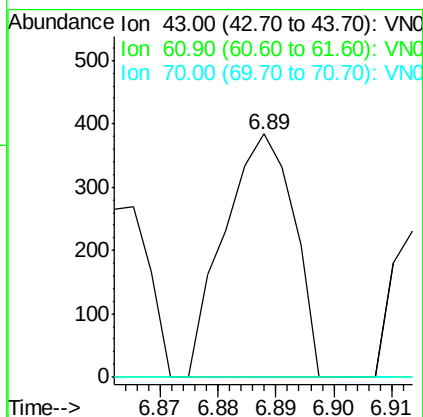
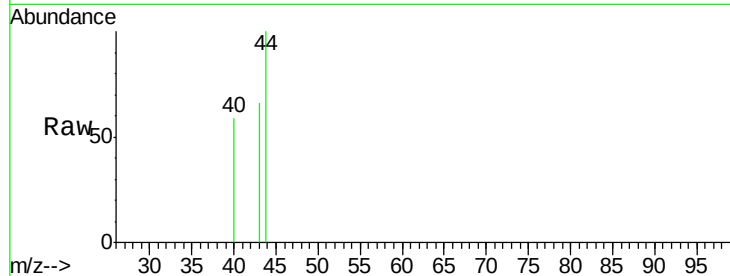




#37
Ethyl Acetate
Concen: 0.821 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

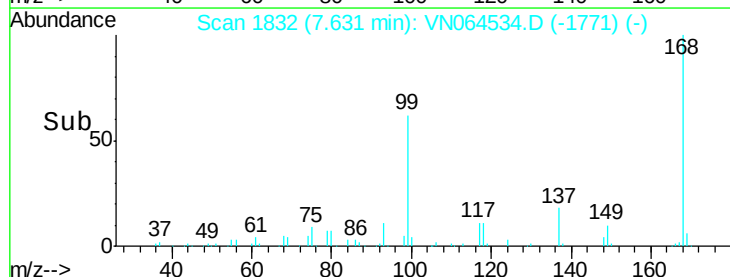
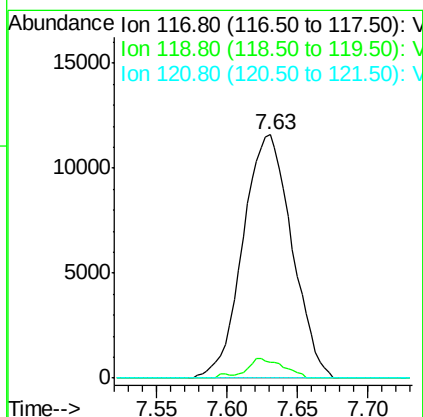
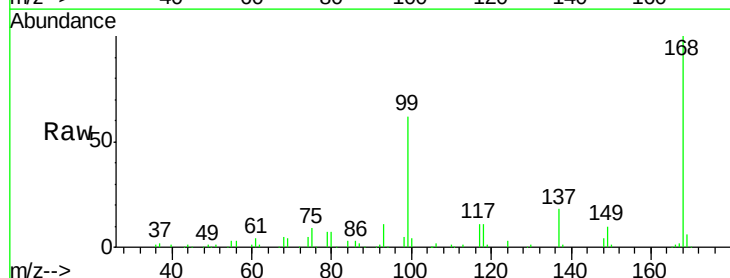
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PB132908TB

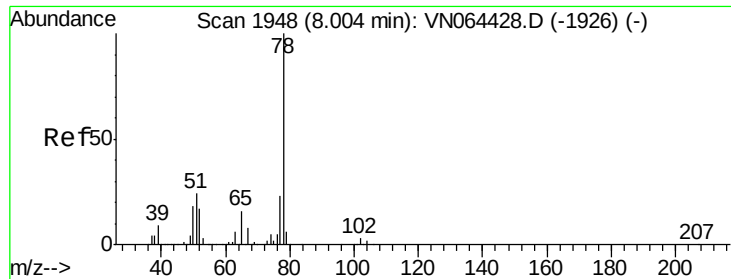
Tot Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.005 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

Tgt Ion: 117 Resp: 28106
Ion Ratio Lower Upper
117 100
119 6.6 75.5 113.3#
121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.264 ug/l

RT: 8.01 min Scan# 1950

Delta R.T. 0.01 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

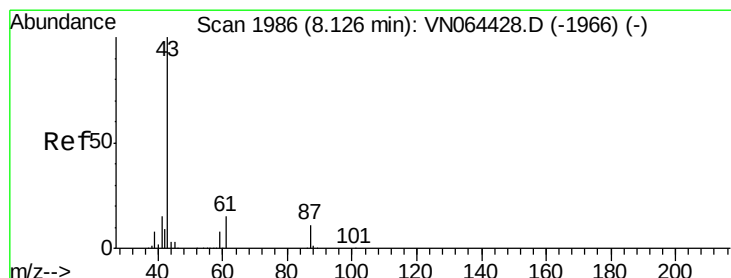
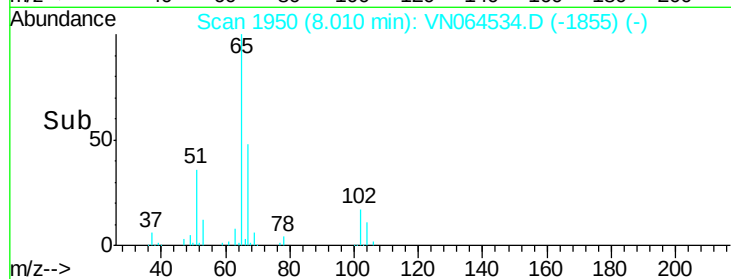
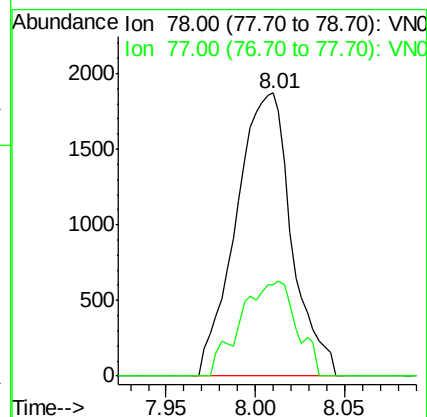
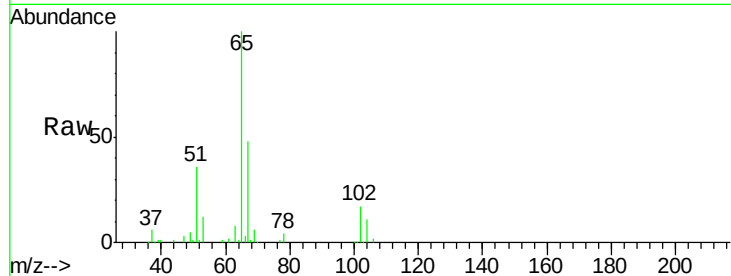
PB132908TB

Tot Ion: 78 Resp: 4069

Ion Ratio Lower Upper

78 100

77 32.2 18.7 28.1#



#43

Isopropyl Acetate

Concen: 10.967 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

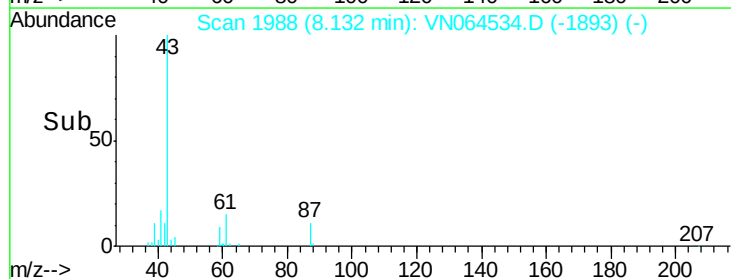
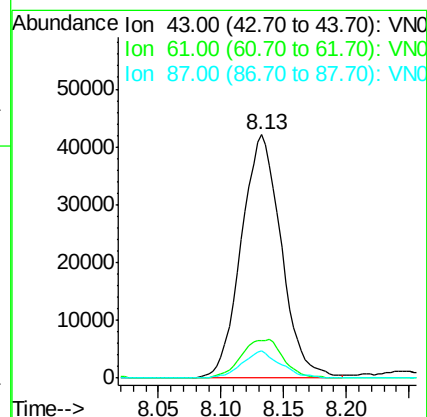
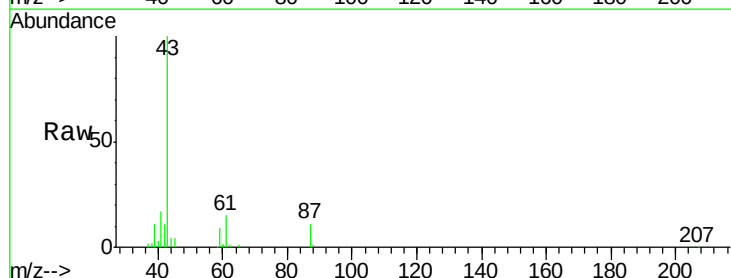
Tgt Ion: 43 Resp: 93385

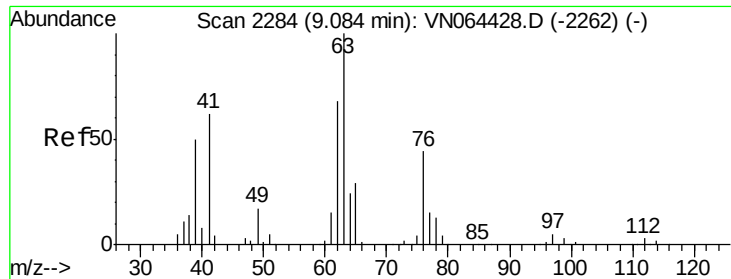
Ion Ratio Lower Upper

43 100

61 16.7 14.0 21.0

87 10.7 9.1 13.7

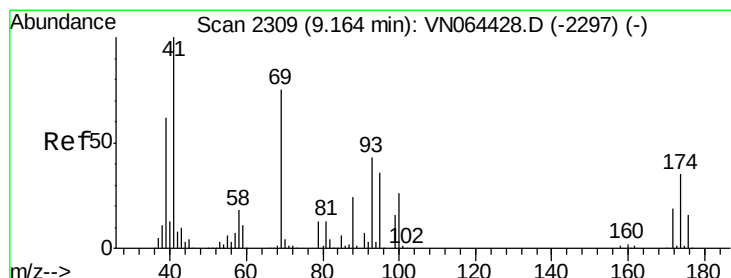
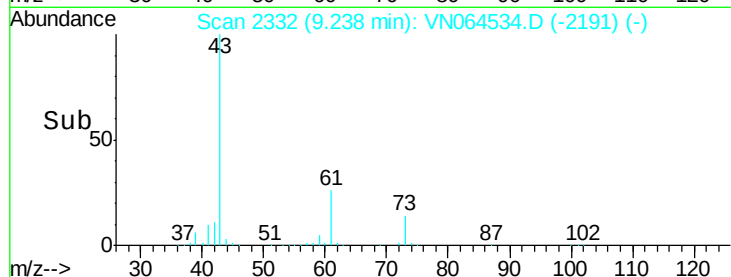
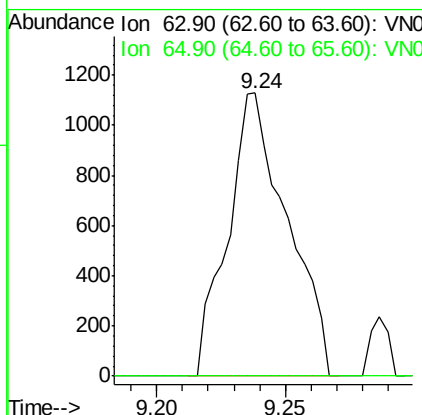
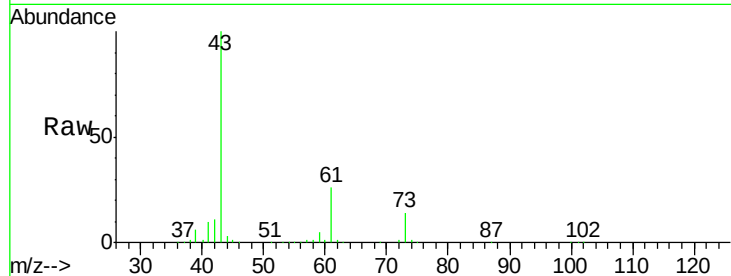




#45
 1,2-Dichloropropane
 Concen: 0.440 ug/l
 RT: 9.24 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

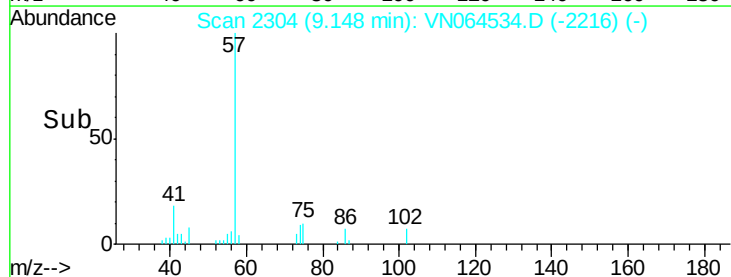
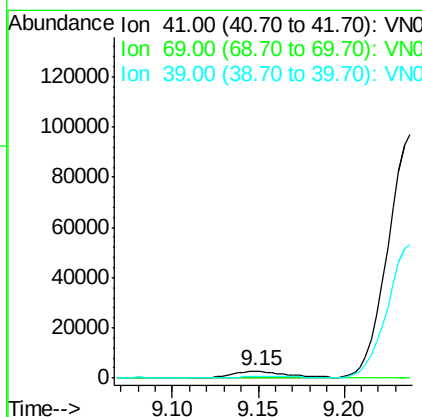
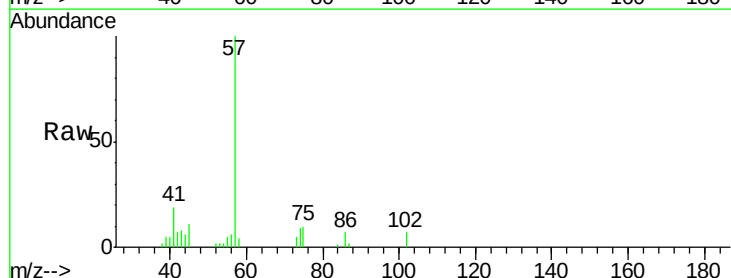
Instrument :
 MSVOA_N
 ClientSampled :
 PB132908TB

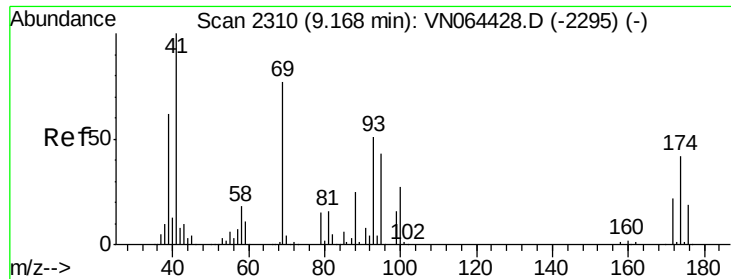
Tot Ion: 63 Resp: 1814
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.6 35.4#



#48
 Methyl methacrylate
 Concen: 1.452 ug/l
 RT: 9.15 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN064534.D
 Acq: 10 Nov 2020 18:37

Tgt Ion: 41 Resp: 6241
 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: 1.749 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

PB132908TB

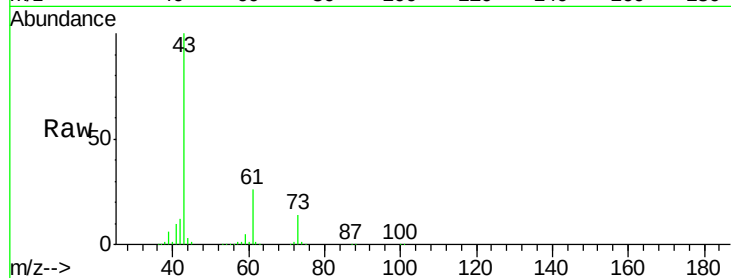
Tot Ion: 88 Resp: 99

Ion Ratio Lower Upper

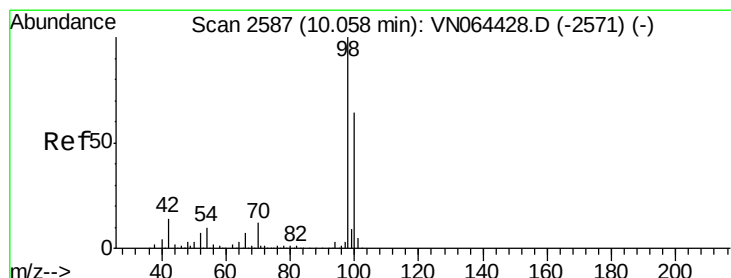
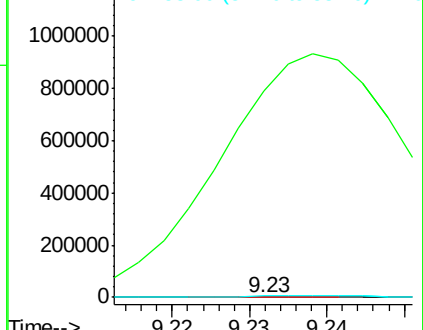
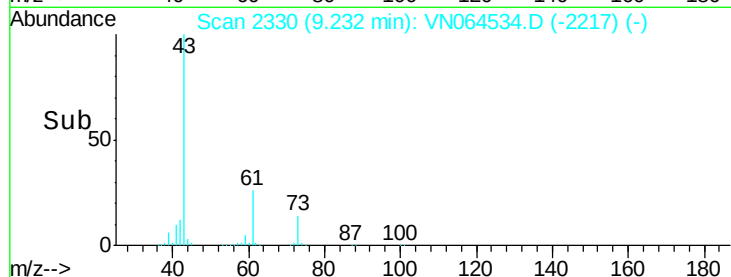
88 100

43 1713063.6 31.0 46.6#

58 9480.8 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN064534.D (-2217) (-)



#50

Toluene-d8

Concen: 52.417 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064534.D

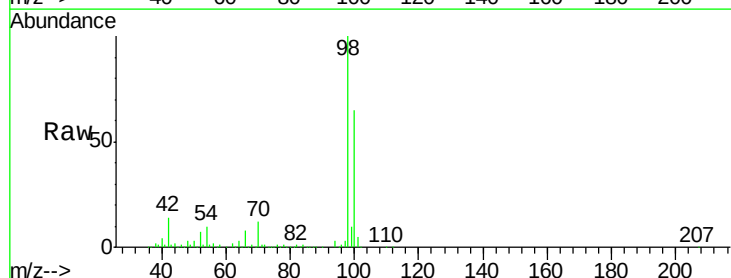
Acq: 10 Nov 2020 18:37

Tgt Ion: 98 Resp: 686063

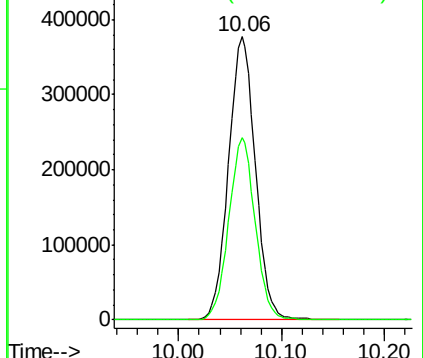
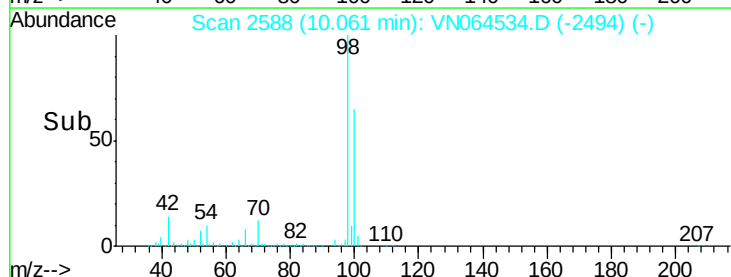
Ion Ratio Lower Upper

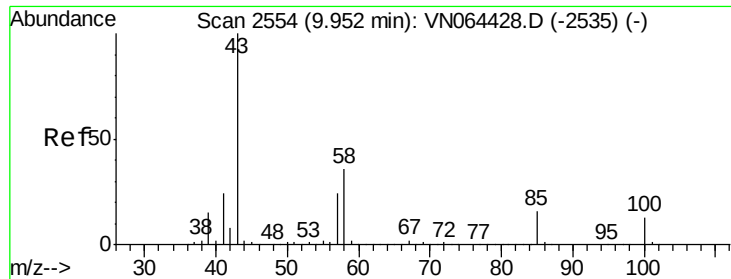
98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064534.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 1.602 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

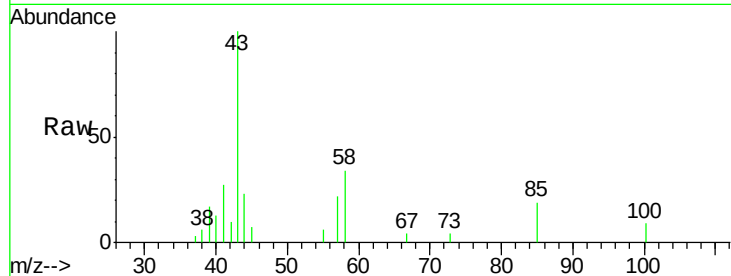
PB132908TB

Tot Ion: 43 Resp: 7953

Ion Ratio Lower Upper

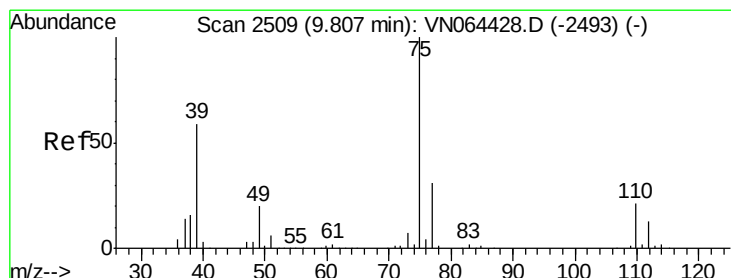
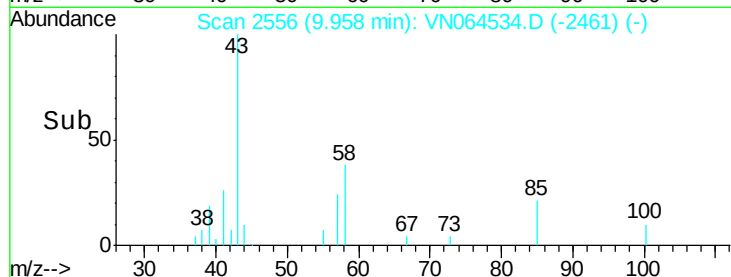
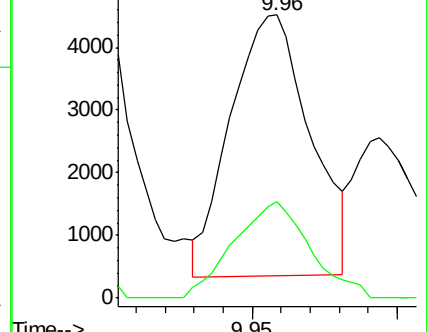
43 100

58 35.3 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: 5.411 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

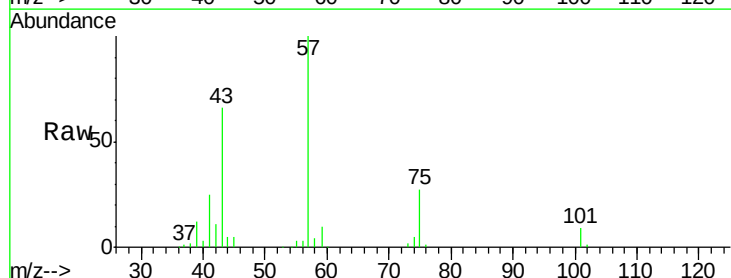
Tgt Ion: 75 Resp: 35765

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

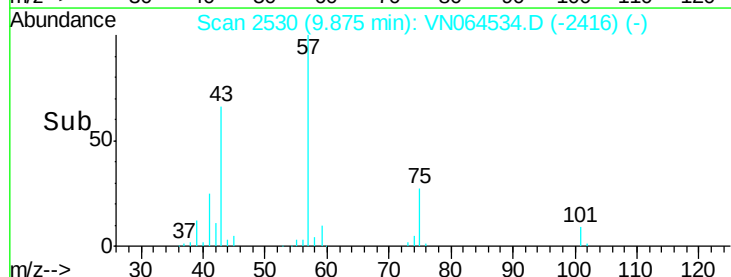
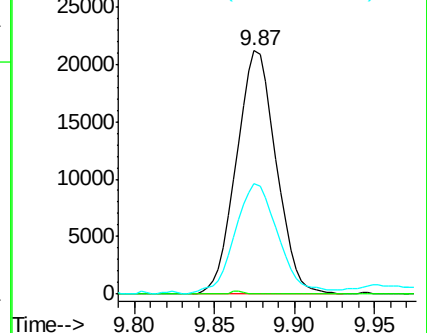
39 44.5 47.1 70.7#

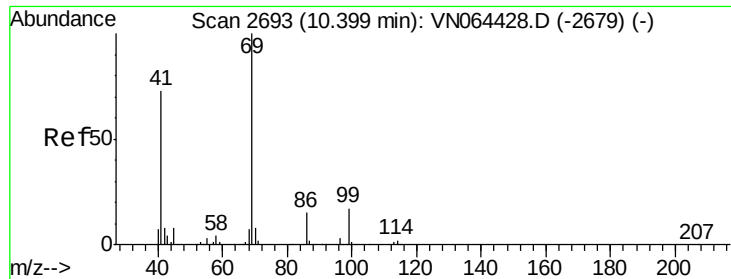


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.391 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

PB132908TB

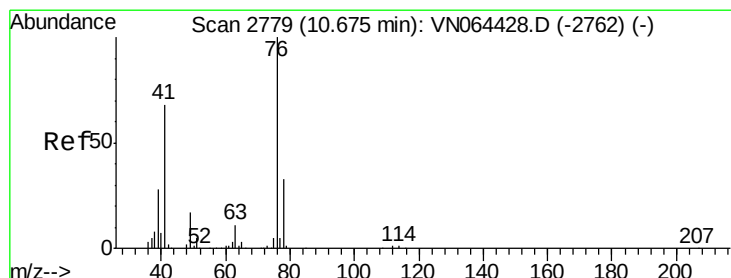
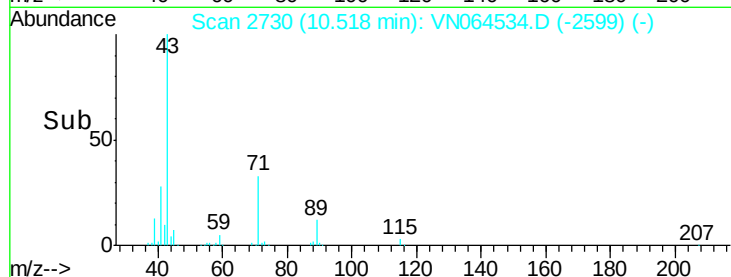
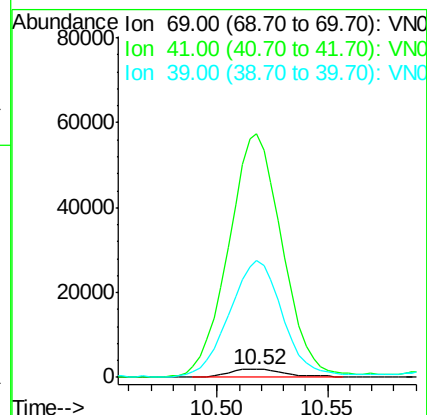
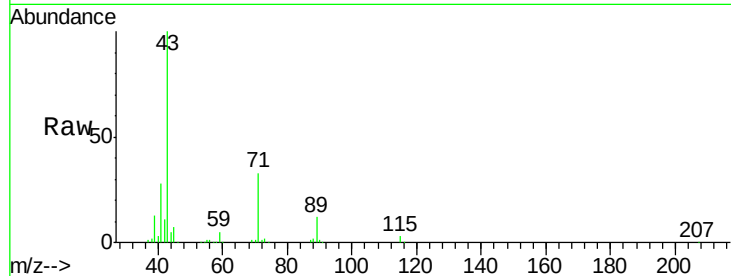
Tot Ion: 69 Resp: 3451

Ion Ratio Lower Upper

69 100

41 2822.9 59.3 88.9#

39 1338.4 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 0.964 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN064534.D

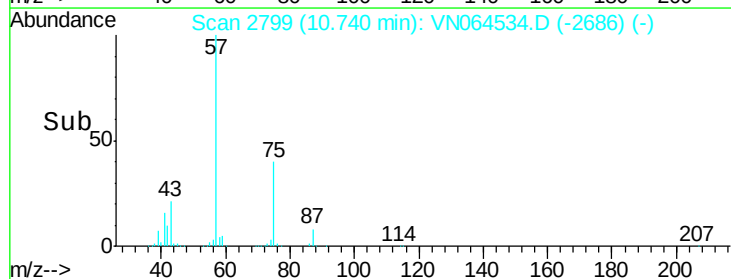
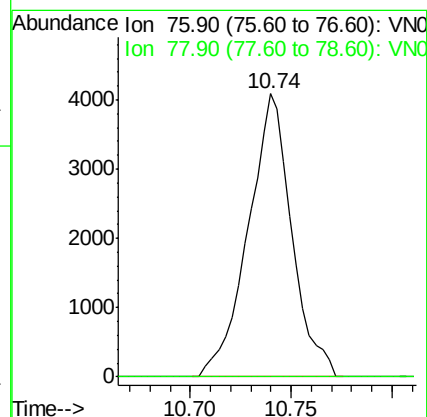
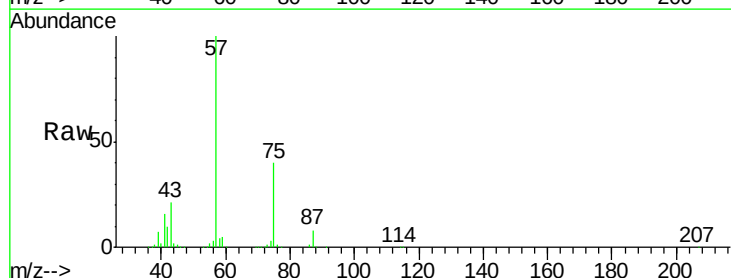
Acq: 10 Nov 2020 18:37

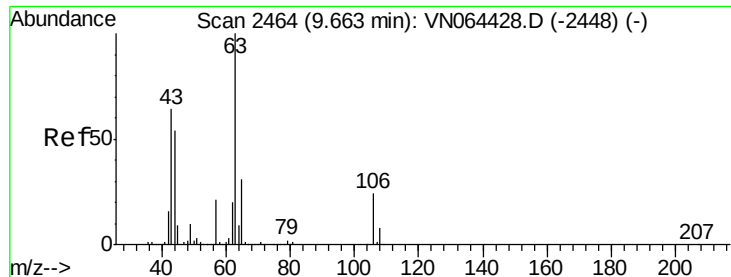
Tgt Ion: 76 Resp: 6179

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#





#58

2-Chloroethyl Vinyl ether

Concen: 21.558 ug/l

RT: 9.59 min Scan# 2440

Delta R.T. -0.08 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

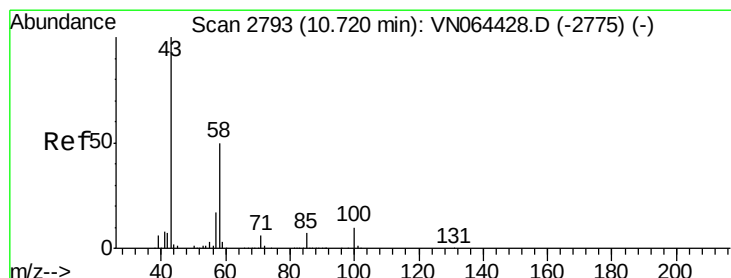
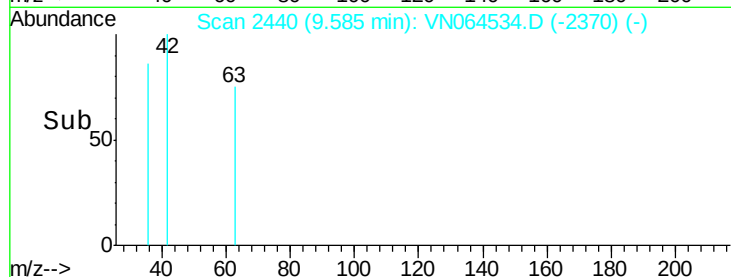
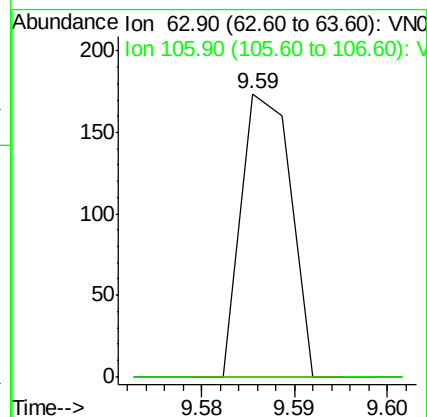
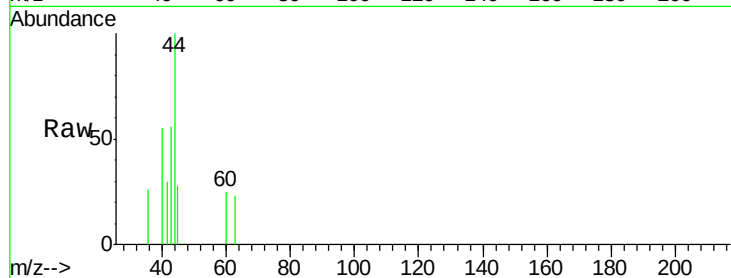
PB132908TB

Tot Ion: 63 Resp: 64

Ion Ratio Lower Upper

63 100

106 0.0 19.5 29.3#



#59

2-Hexanone

Concen: 30.667 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.02 min

Lab File: VN064534.D

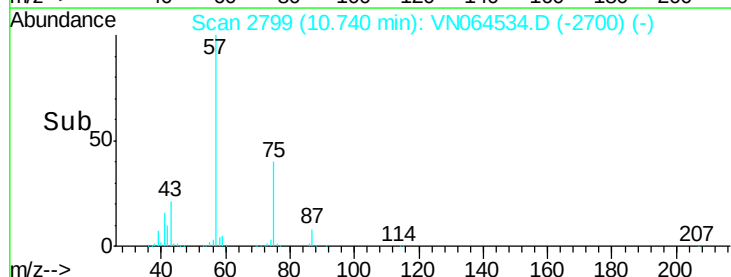
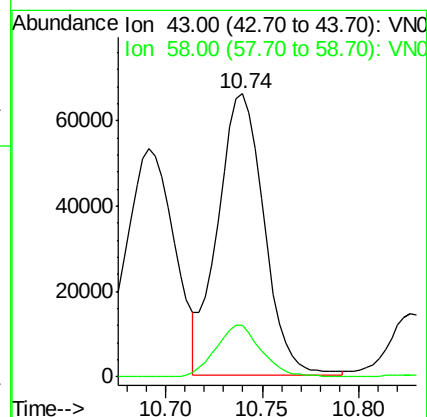
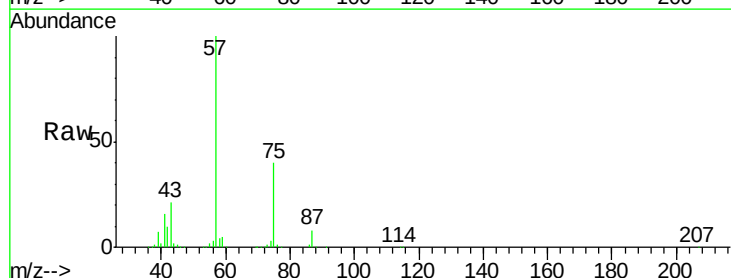
Acq: 10 Nov 2020 18:37

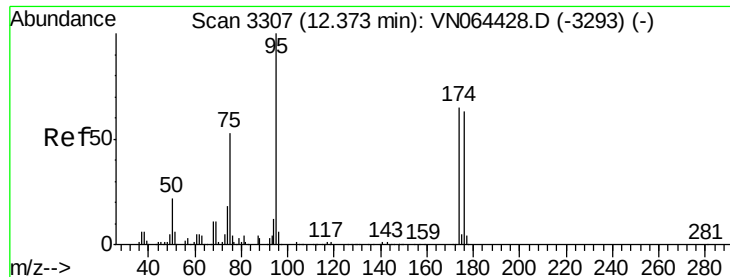
Tgt Ion: 43 Resp: 109636

Ion Ratio Lower Upper

43 100

58 18.3 24.7 74.1#

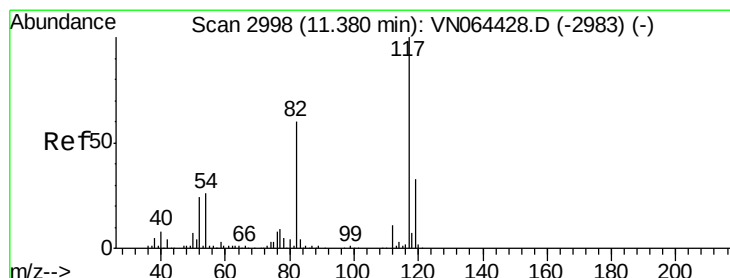
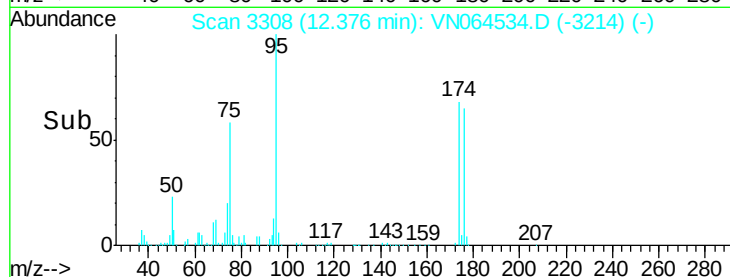
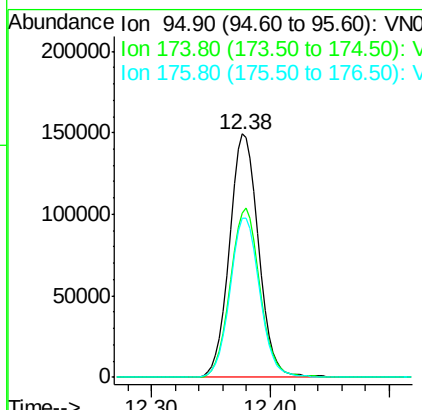
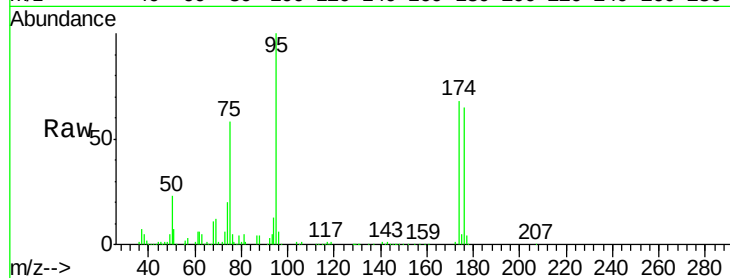




#62
4-Bromofluorobenzene
Concen: 51.166 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

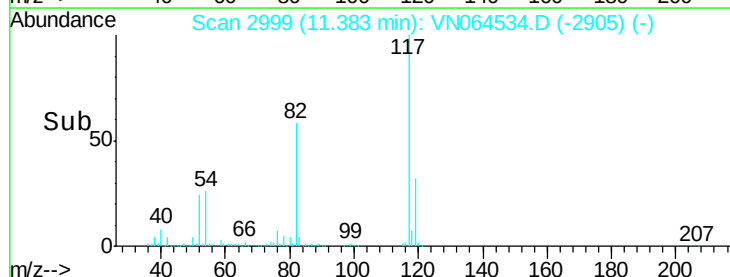
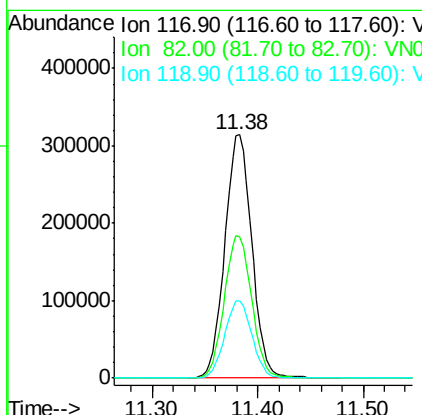
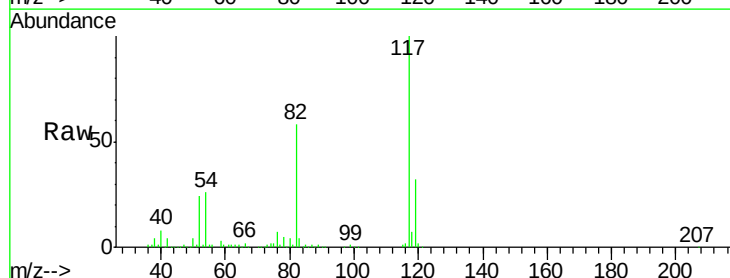
Instrument :
MSVOA_N
ClientSampleId :
PB132908TB

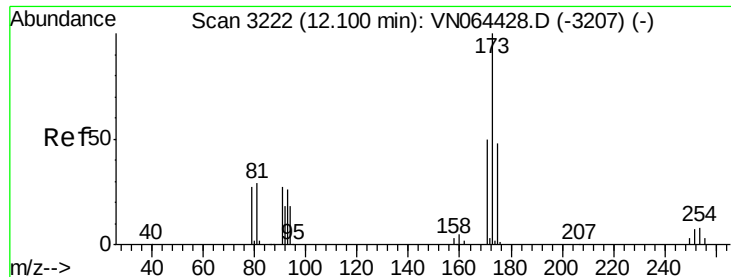
Tot Ion: 95 Resp: 253267
Ion Ratio Lower Upper
95 100
174 70.8 0.0 132.6
176 66.8 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

Tgt Ion: 117 Resp: 557328
Ion Ratio Lower Upper
117 100
82 58.0 48.1 72.1
119 31.9 26.2 39.4

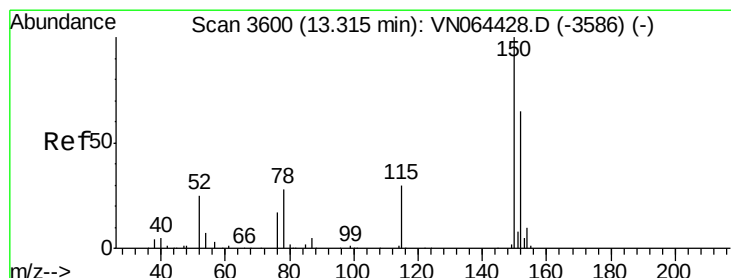
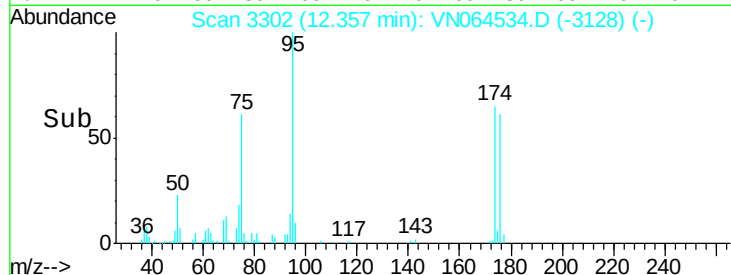
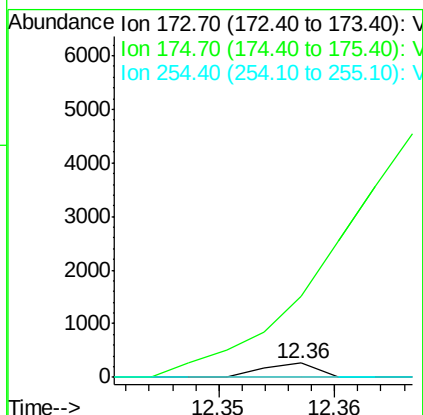
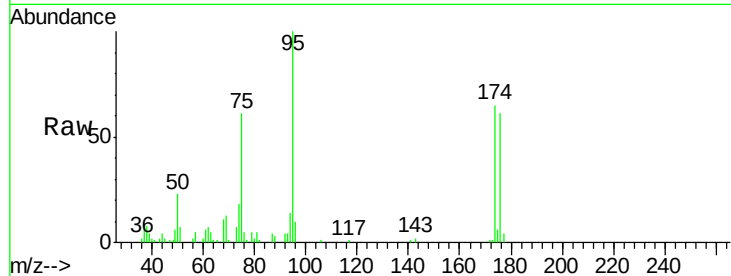




#71
Bromoform
Concen: 1.300 ug/l
RT: 12.36 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

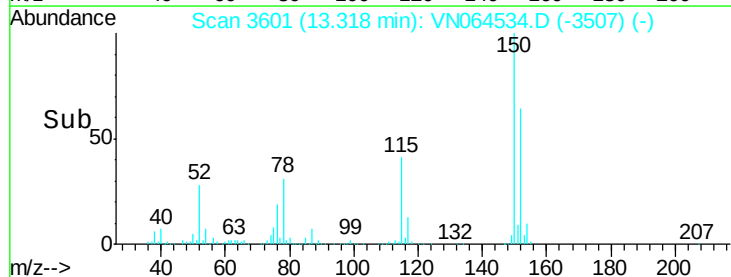
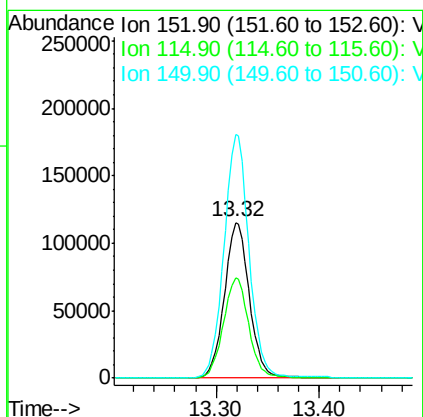
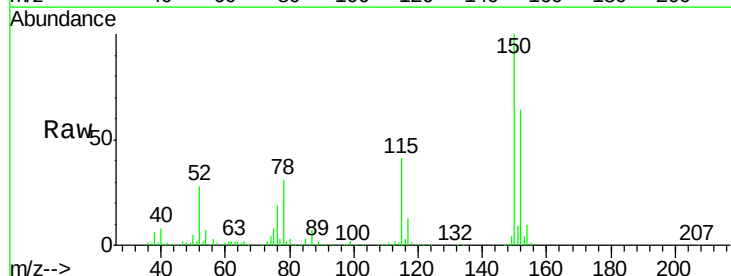
Instrument :
MSVOA_N
ClientSampled :
PB132908TB

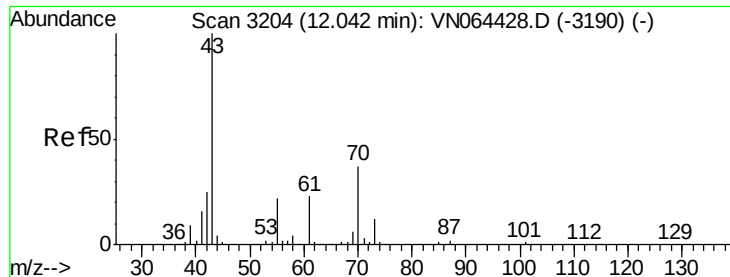
Tot Ion:173 Resp: 87
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064534.D
Acq: 10 Nov 2020 18:37

Tgt Ion:152 Resp: 194855
Ion Ratio Lower Upper
152 100
115 65.4 32.0 96.0
150 156.6 0.0 353.8





#74

N-amvl acetate

Concen: 1.679 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampled :

PB132908TB

Tot Ion: 43 Resp: 3575

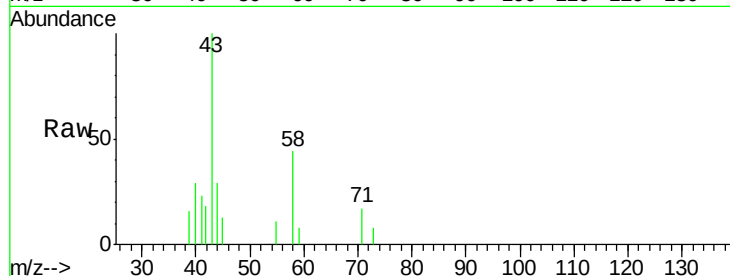
Ion Ratio Lower Upper

43 100

70 1.9 29.6 44.4#

55 4.3 18.4 27.6#

61 0.0 17.8 26.6#

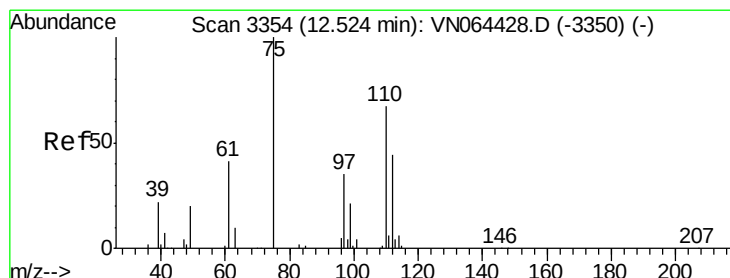
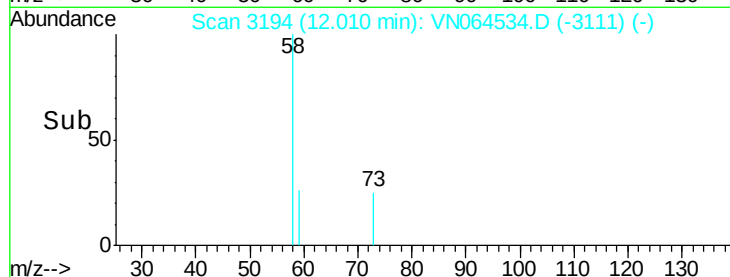
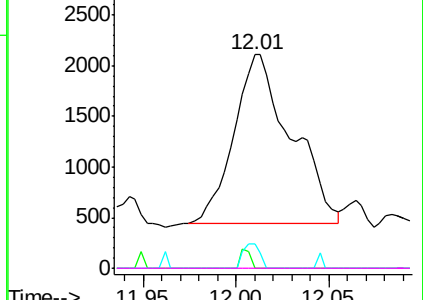


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.625 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064534.D

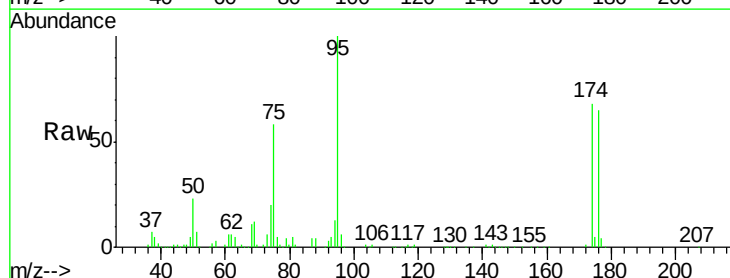
Acq: 10 Nov 2020 18:37

Tgt Ion: 75 Resp: 144587

Ion Ratio Lower Upper

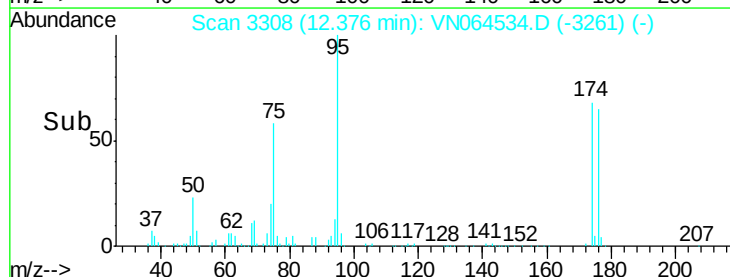
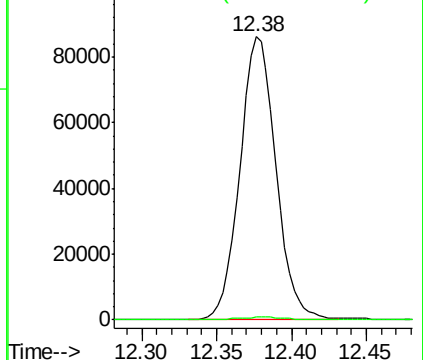
75 100

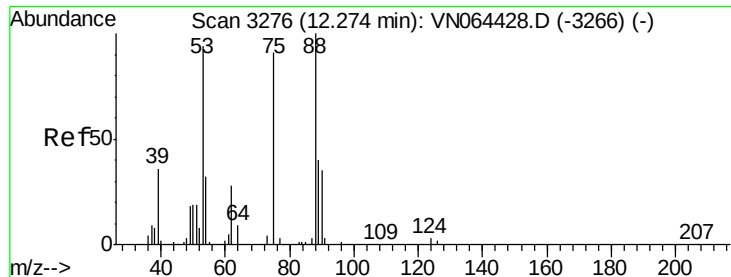
77 1.2 0.0 0.0#



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: 85.509 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064534.D

Acq: 10 Nov 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

PB132908TB

Tot Ion: 75 Resp: 144587

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 36.3 54.5#

