

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064538.D
 Acq On : 10 Nov 2020 20:14
 Operator : JC/MD
 Sample : PB132908ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#04

Quant Time: Nov 11 01:55:30 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	236983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	488595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	548847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186656	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	235815	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	7.55	113	170663	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	10.06	98	668278	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.38	95	249661	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	

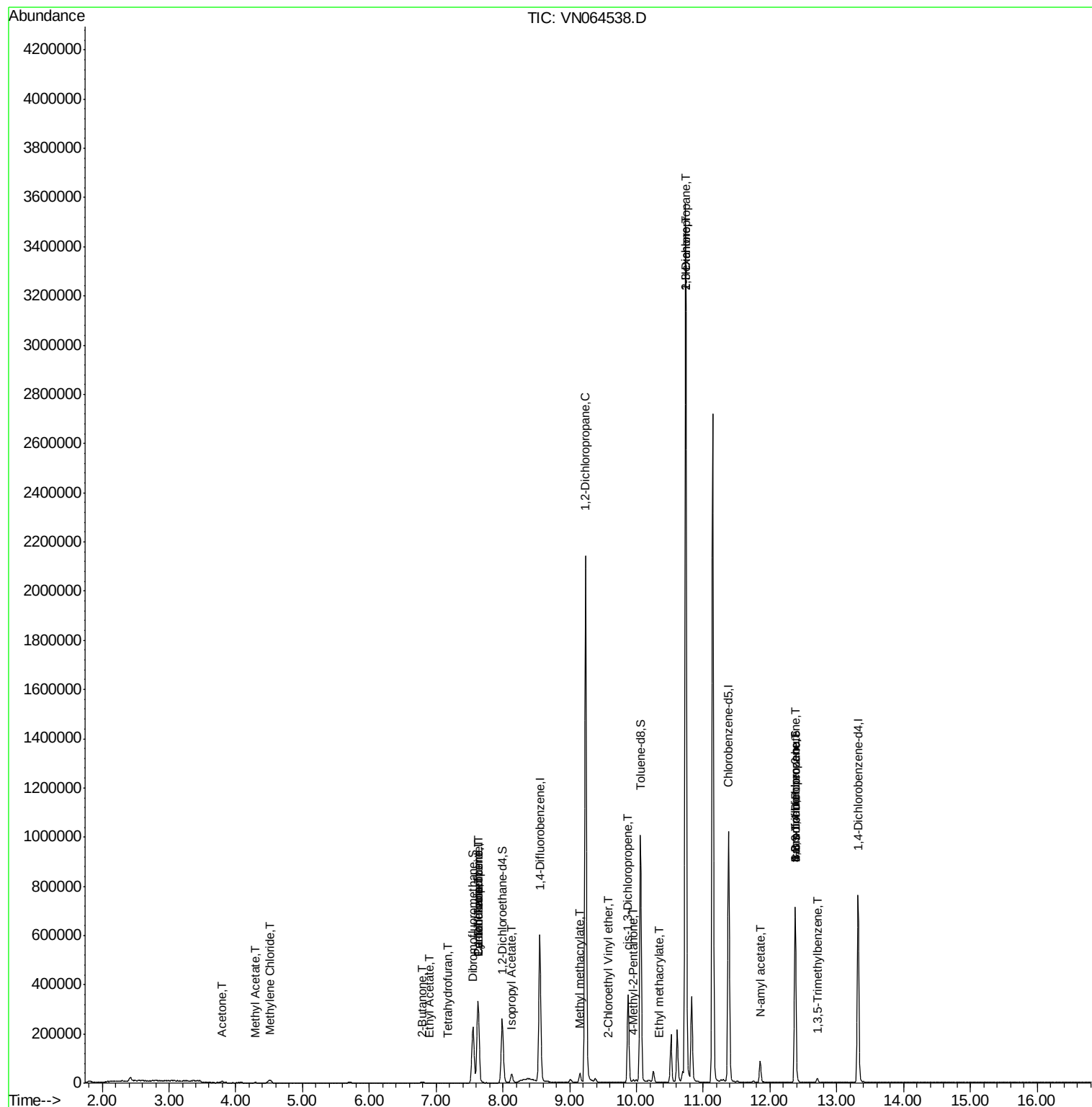
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	11071	7.041	ug/l	92
18) Methyl Acetate	4.30	43	2479	0.802	ug/l #	55
20) Methylene Chloride	4.51	84	8130	2.606	ug/l	88
25) 2-Butanone	6.79	43	683	0.341	ug/l #	52
29) Tetrahydrofuran	7.17	42	316	0.257	ug/l #	45
31) Cyclohexane	7.63	56	7407	1.476	ug/l #	25
36) 1,1-Dichloropropene	7.62	75	22824	4.422	ug/l #	52
37) Ethyl Acetate	6.91	43	134	0.788	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27764	5.033	ug/l #	17
43) Isopropyl Acetate	8.13	43	44585	5.330	ug/l	97
45) 1,2-Dichloropropane	9.24	63	2687	0.664	ug/l #	45
48) Methyl methacrylate	9.15	41	8370	1.983	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	6865	1.407	ug/l	99
54) cis-1,3-Dichloropropene	9.87	75	56580	8.714	ug/l #	69
56) Ethyl methacrylate	10.35	69	187	1.871	ug/l #	20
57) 1,3-Dichloropropane	10.74	76	34419	5.466	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.58	63	30	21.548	ug/l #	51
59) 2-Hexanone	10.74	43	541570	137.980	ug/l #	54
71) Bromoform	12.37	173	1119	1.599	ug/l #	1
74) N-amyl acetate	11.85	43	28090	5.023	ug/l #	58
76) 1,2,3-Trichloropropane	12.38	75	138952	30.724	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	8960	0.732	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	138952	85.786	ug/l #	8

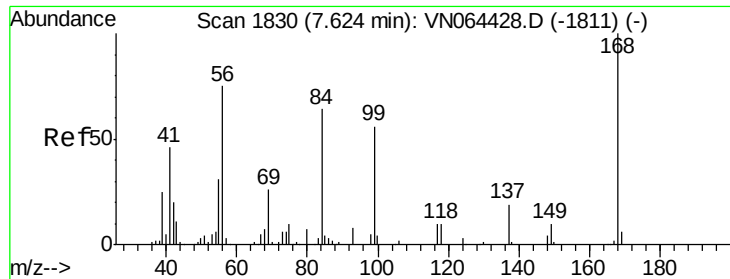
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1831

Delta R.T. 0.00 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

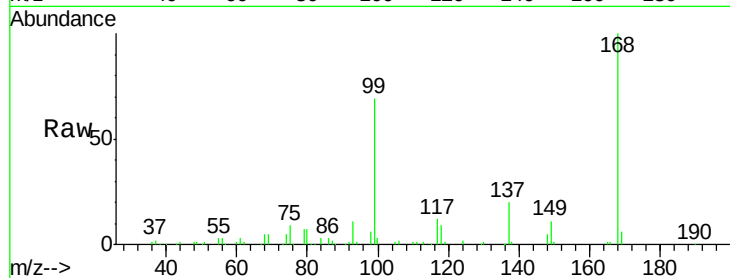
PB132908ZHE#04

Tot Ion:168 Resp: 236983

Ion Ratio Lower Upper

168 100

99 68.5 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

100000

80000

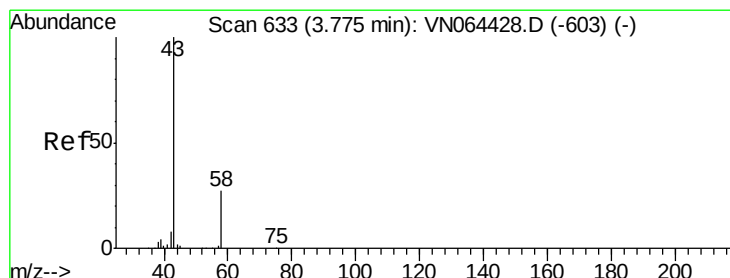
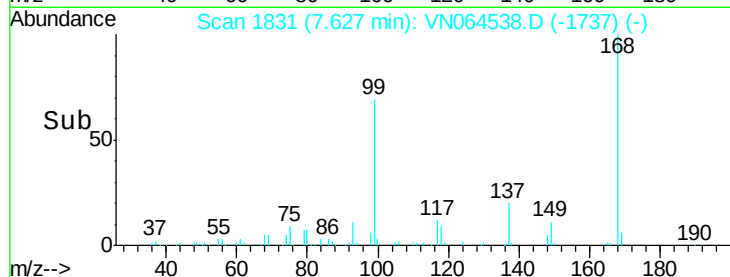
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 7.041 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN064538.D

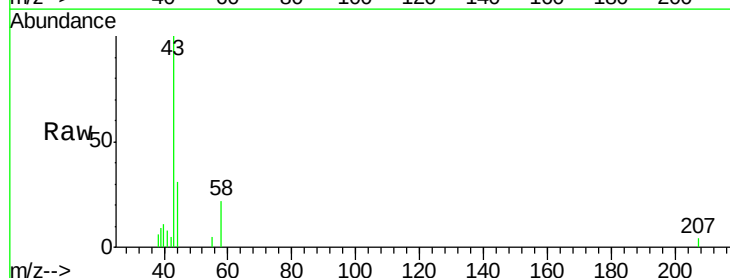
Acq: 10 Nov 2020 20:14

Tgt Ion: 43 Resp: 11071

Ion Ratio Lower Upper

43 100

58 22.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

4000

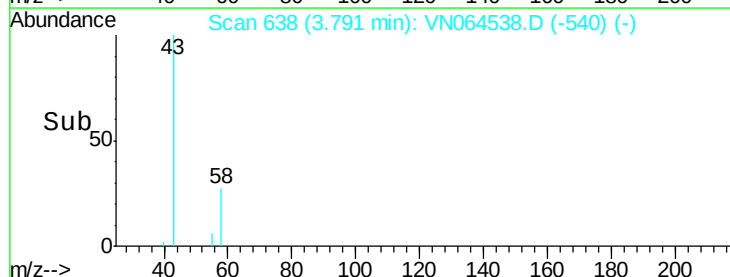
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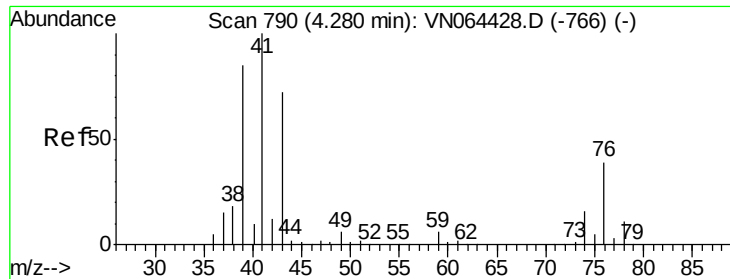
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1000

0

Time-->

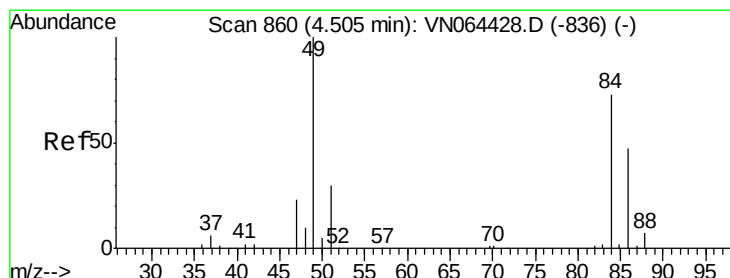
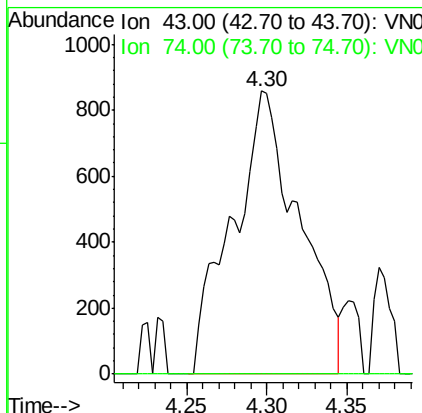
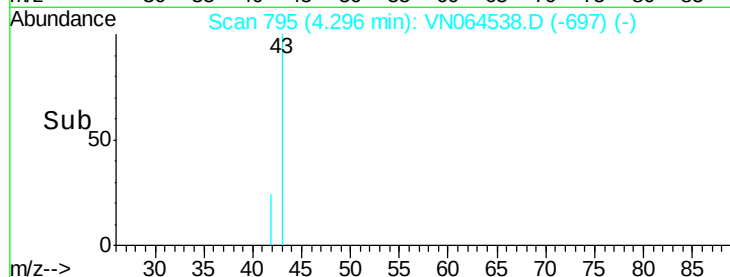
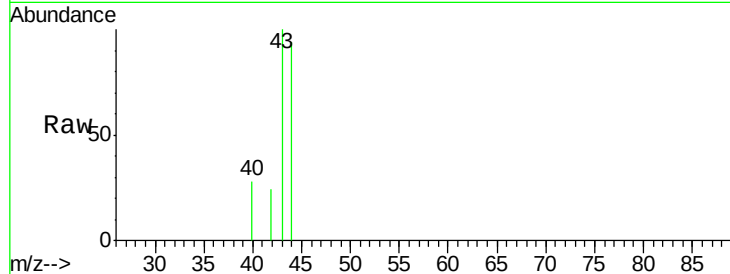




#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 4.30 min Scan# 795
Delta R.T. 0.02 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

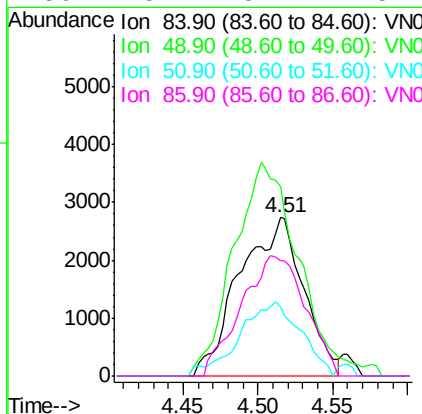
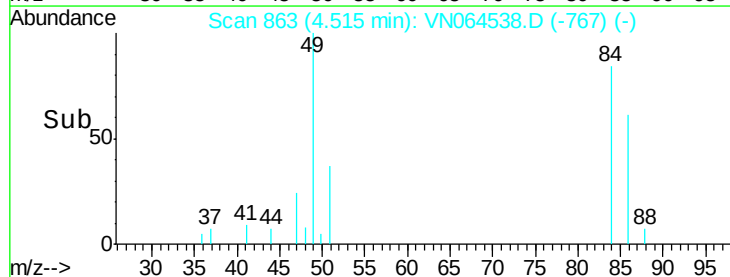
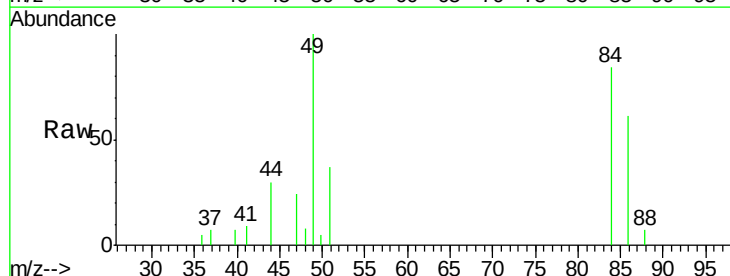
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#04

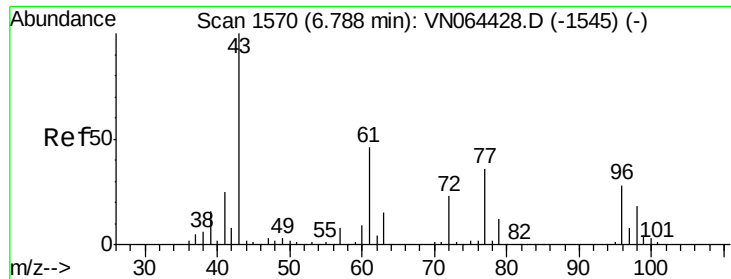
Tot Ion: 43 Resp: 2479
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 2.606 ug/l
RT: 4.51 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

Tgt Ion: 84 Resp: 8130
Ion Ratio Lower Upper
84 100
49 119.6 110.1 165.1
51 43.9 33.6 50.4
86 73.2 52.1 78.1

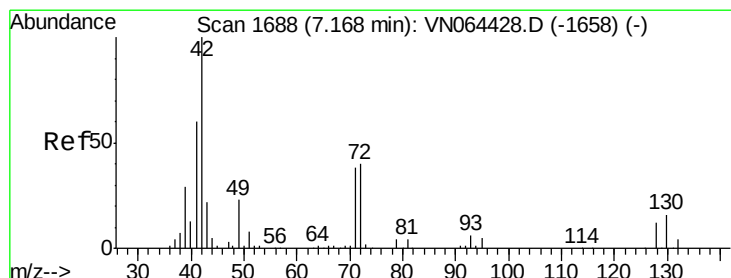
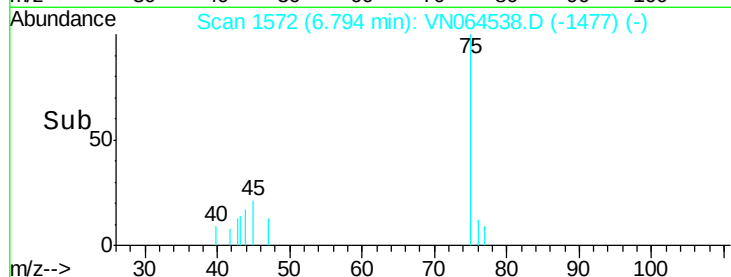
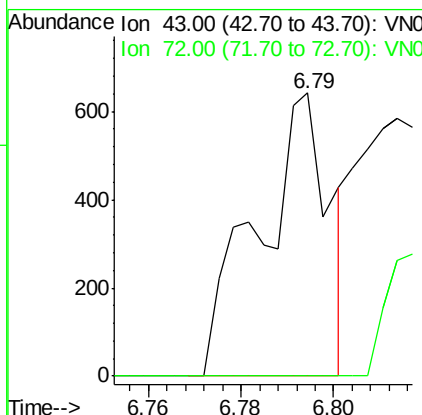
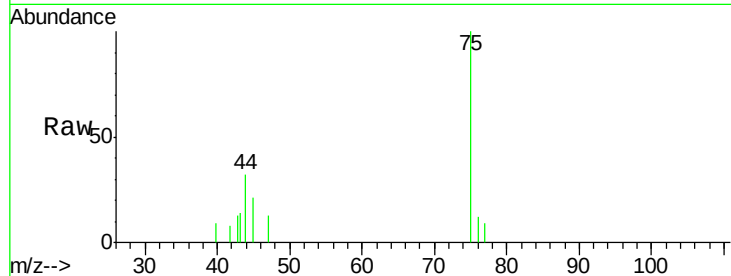




#25
 2-Butanone
 Concen: 0.341 ug/l
 RT: 6.79 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

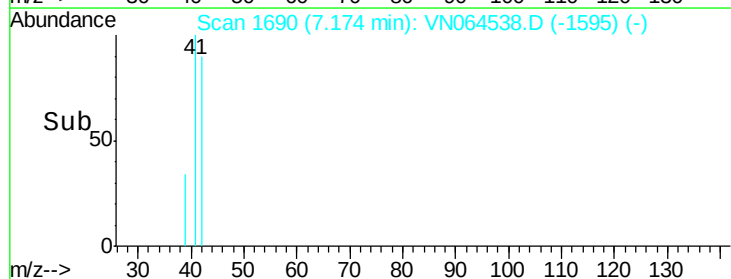
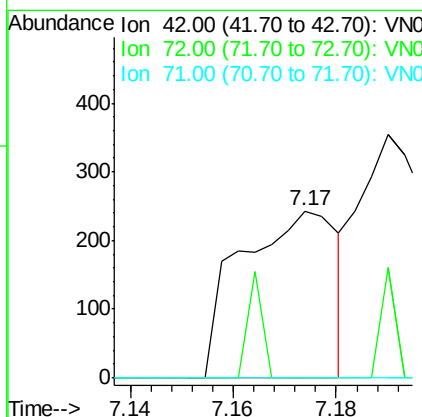
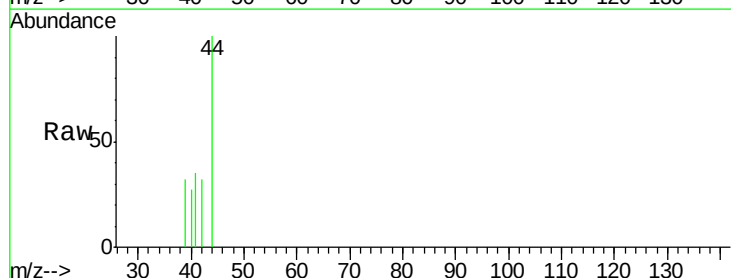
Instrument :
 MSVOA_N
 ClientSampleId :
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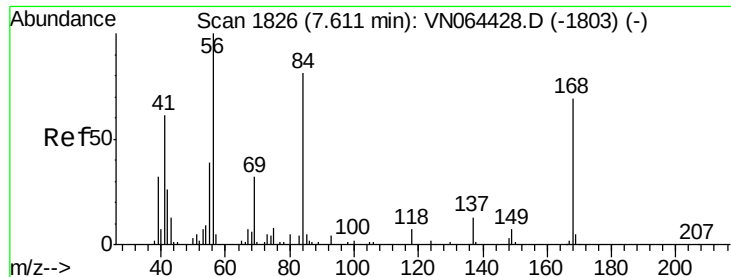
Tot Ion: 43 Resp: 683
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.5 27.7#



#29
 Tetrahydrofuran
 Concen: 0.257 ug/l
 RT: 7.17 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

Tgt Ion: 42 Resp: 316
 Ion Ratio Lower Upper
 42 100
 72 9.5 31.7 47.5#
 71 0.0 29.8 44.6#

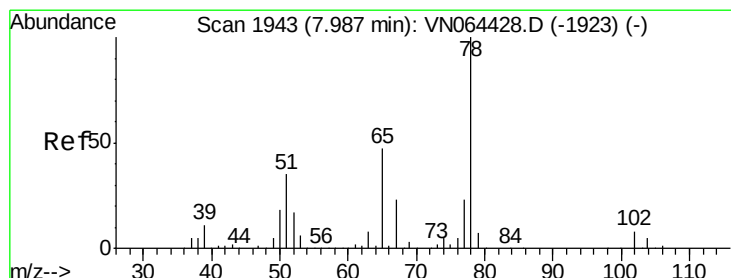
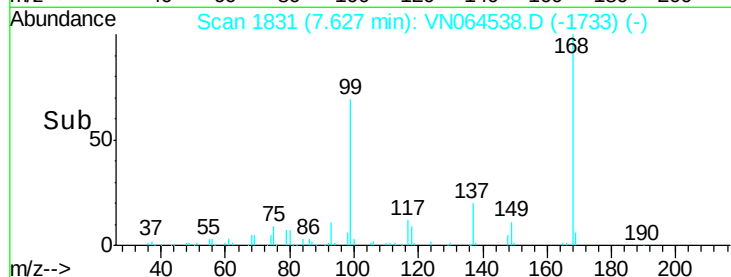
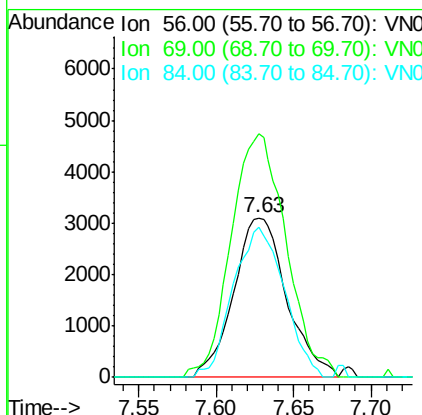
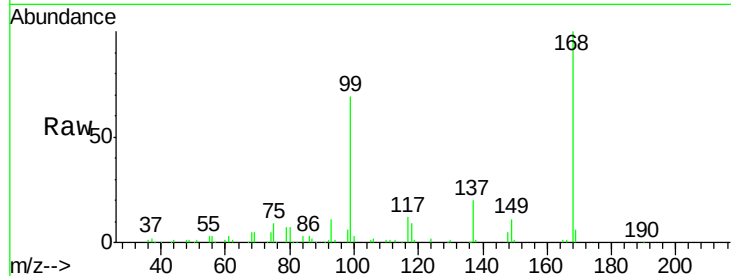




#31
Cyclohexane
Concen: 1.476 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

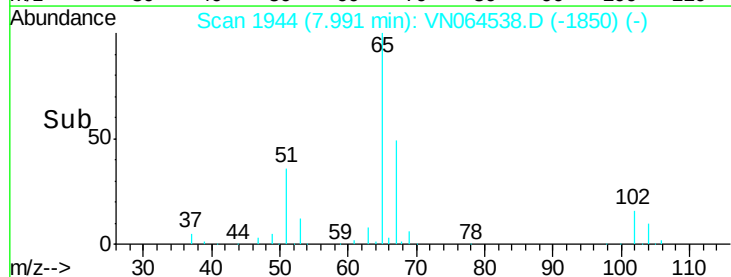
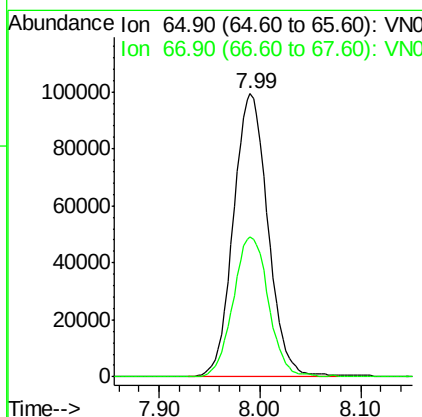
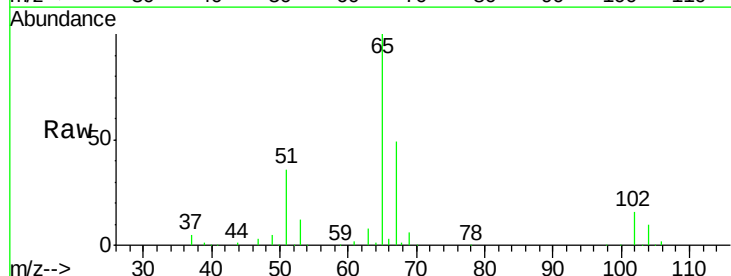
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MSVOA_N
ClientSampleId :
PB132908ZHE#04

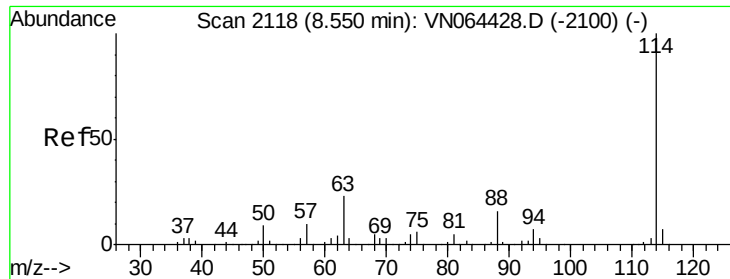
Tot Ion: 56 Resp: 7407
Ion Ratio Lower Upper
56 100
69 152.5 25.6 38.4#
84 94.3 63.0 94.6



#33
1,2-Dichloroethane-d4
Concen: 57.127 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

Tgt Ion: 65 Resp: 235815
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.6

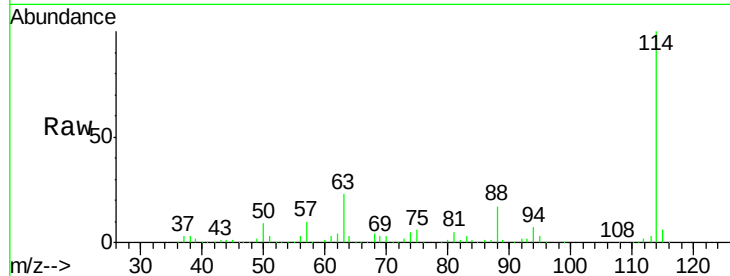




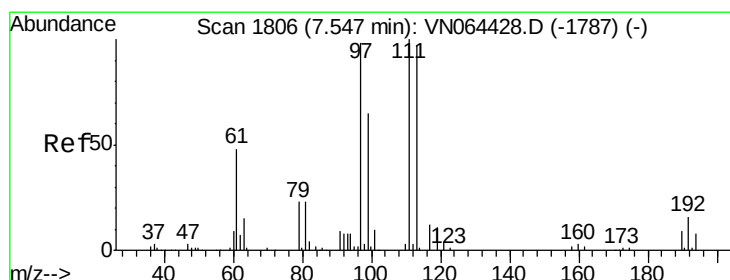
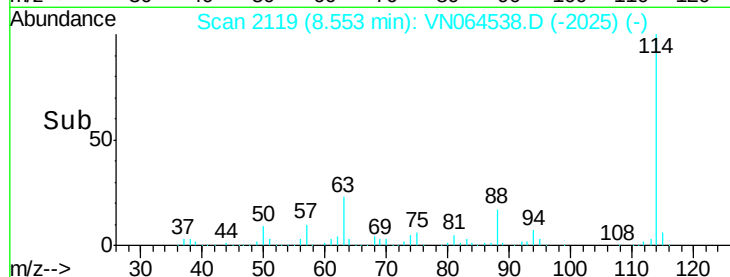
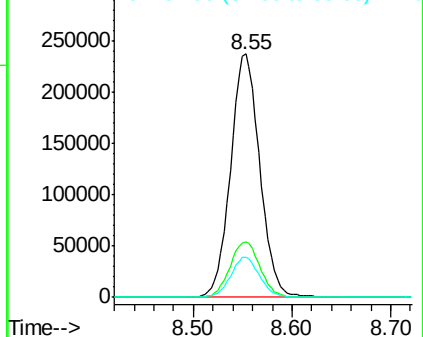
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#04

Tot Ion:114 Resp: 488595
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.6
88 16.6 0.0 32.8

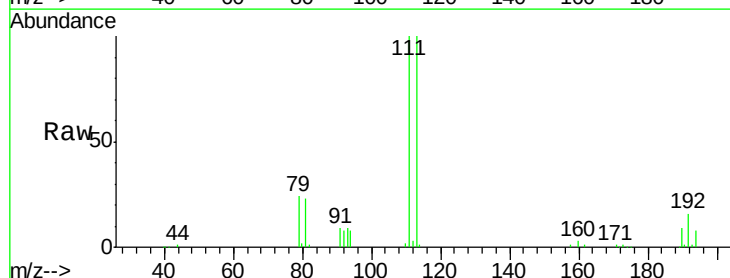


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

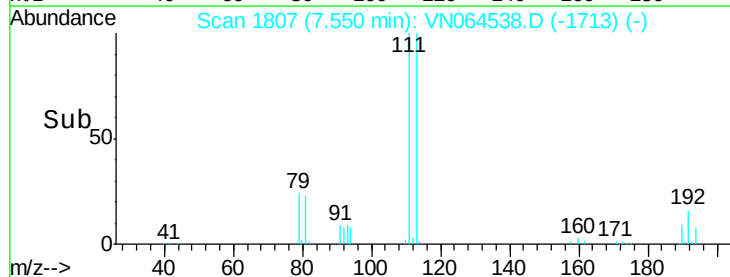
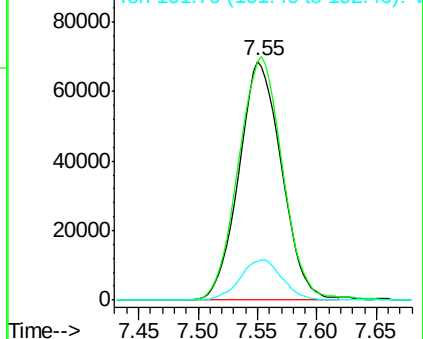


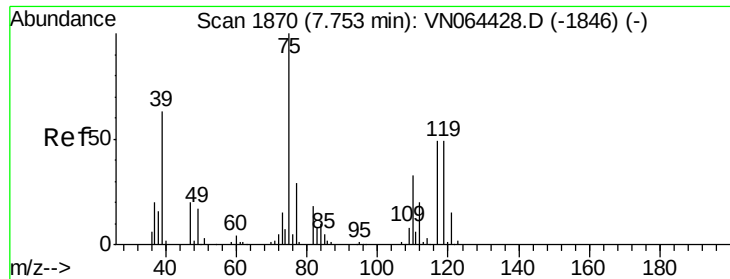
#35
Dibromofluoromethane
Concen: 51.302 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

Tgt Ion:113 Resp: 170663
Ion Ratio Lower Upper
113 100
111 105.7 81.1 121.7
192 16.7 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

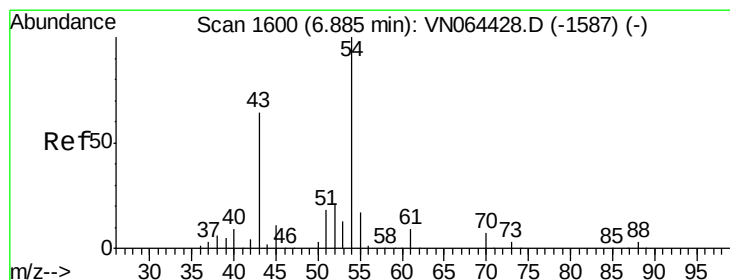
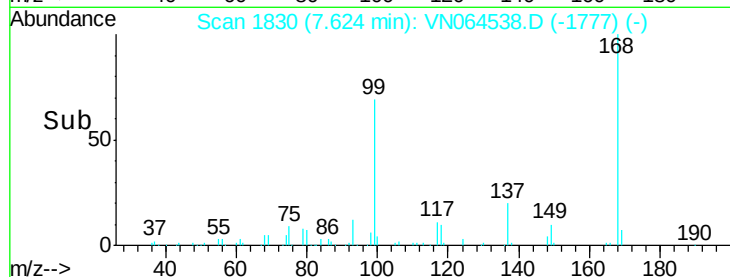
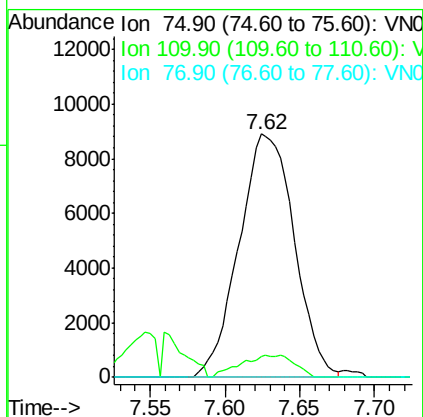
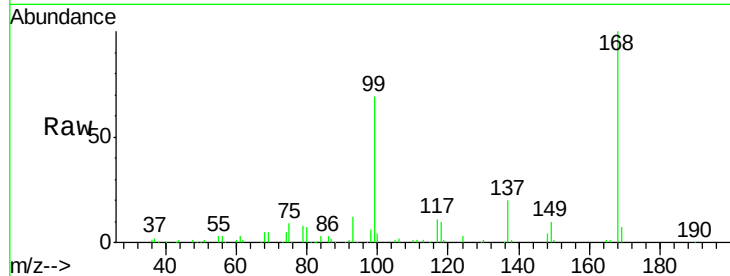




#36
 1,1-Dichloropropene
 Concen: 4.422 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

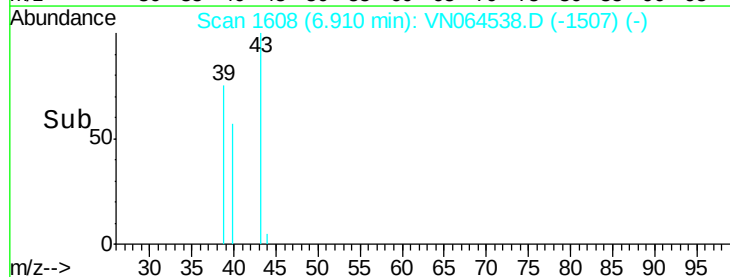
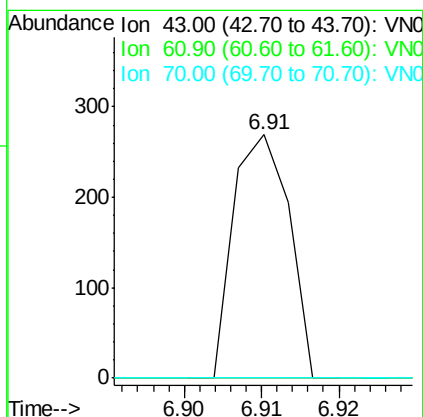
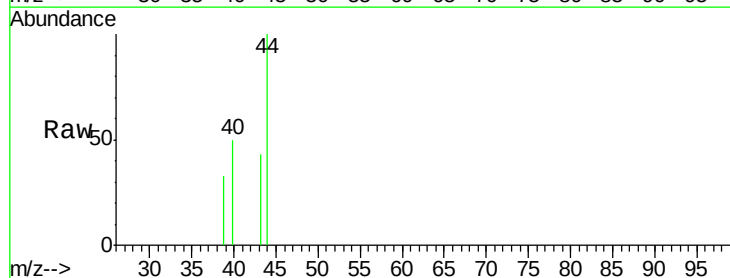
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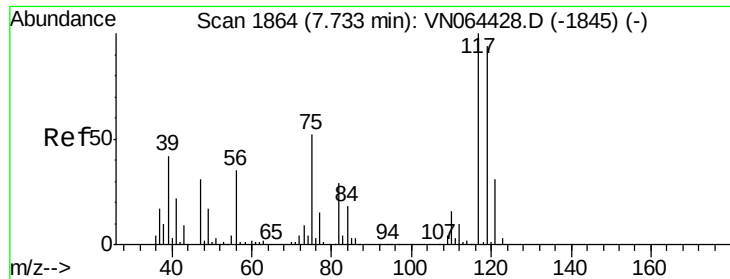
Tot Ion: 75 Resp: 22824
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.788 ug/l
 RT: 6.91 min Scan# 1608
 Delta R.T. 0.03 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

Tgt Ion: 43 Resp: 134
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 5.033 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#04

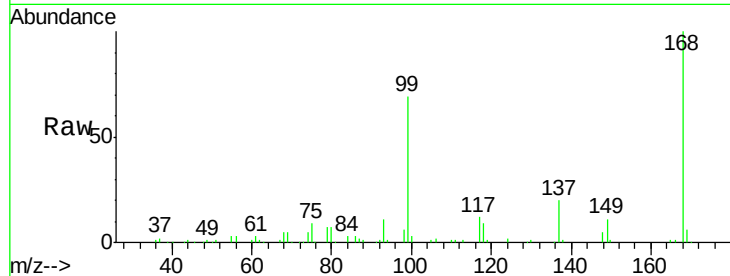
Tot Ion:117 Resp: 27764

Ion Ratio Lower Upper

117 100

119 6.0 75.5 113.3#

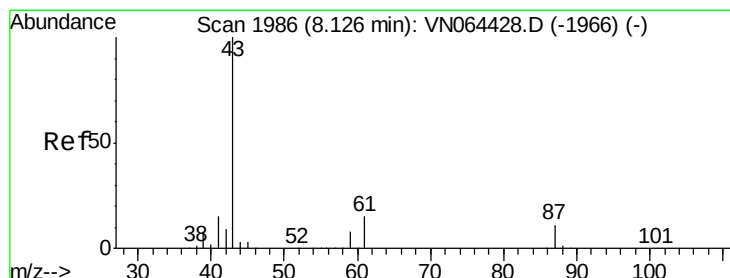
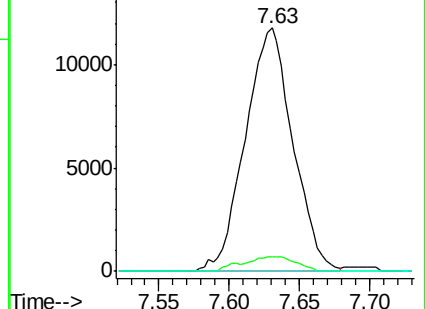
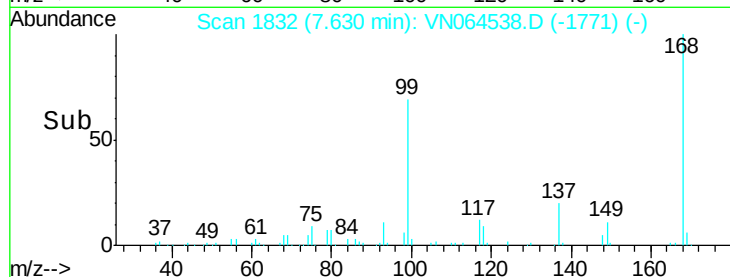
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 5.330 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

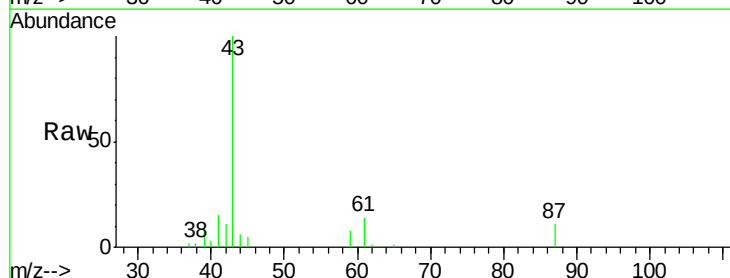
Tgt Ion: 43 Resp: 44585

Ion Ratio Lower Upper

43 100

61 15.5 14.0 21.0

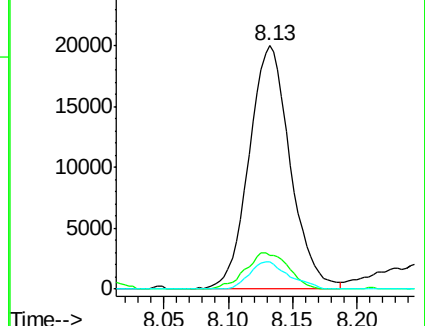
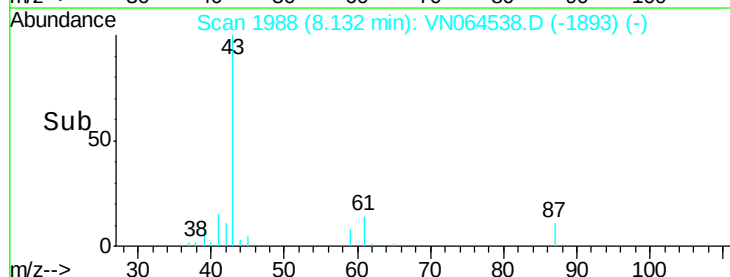
87 10.7 9.1 13.7

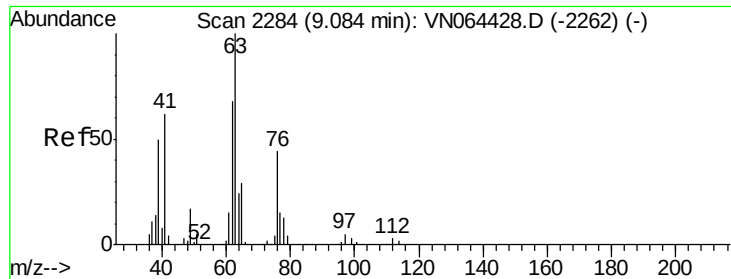


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.664 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

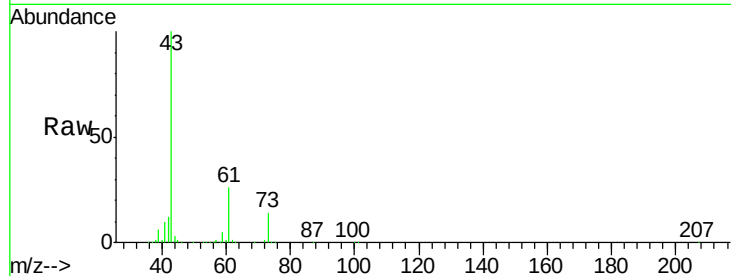
PB132908ZHE#04

Tot Ion: 63 Resp: 2687

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

9.24

1500

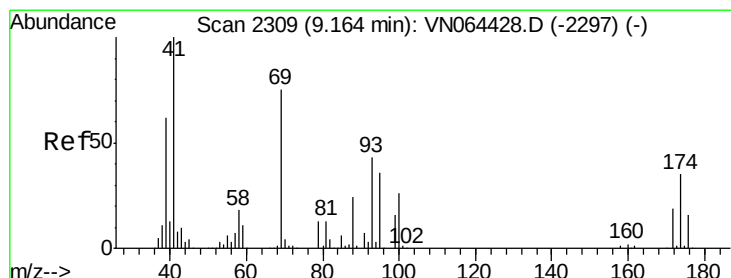
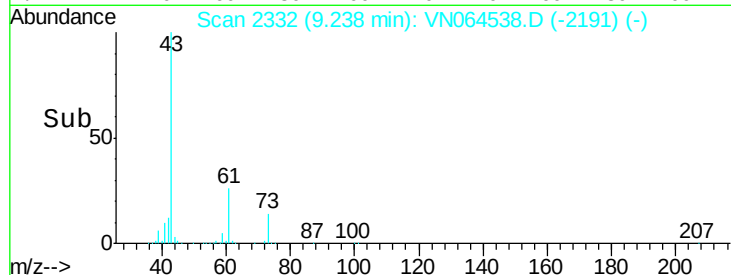
1000

500

0

Time-->

9.20 9.25 9.30



#48

Methyl methacrylate

Concen: 1.983 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

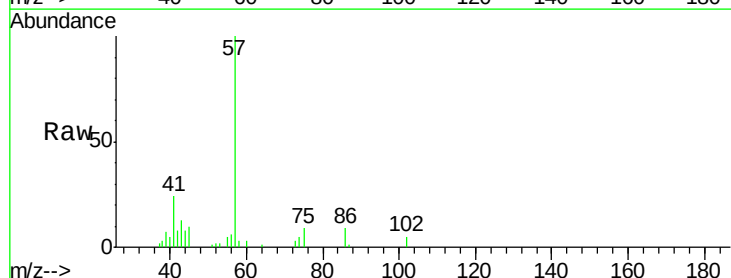
Tgt Ion: 41 Resp: 8370

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

39 0.0 51.2 76.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

150000

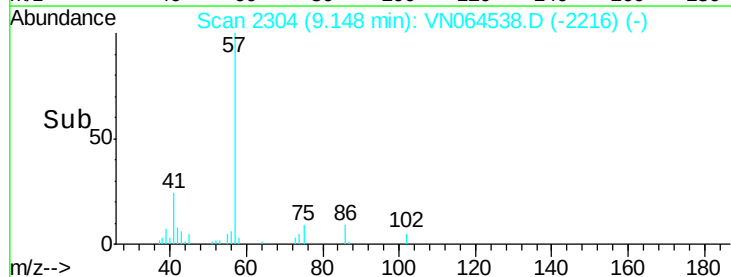
100000

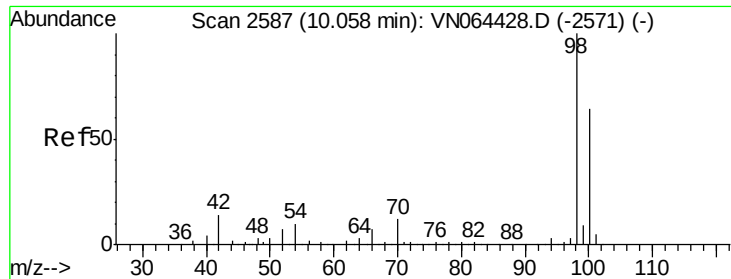
50000

0

Time-->

9.10 9.15 9.20





#50

Toluene-d8

Concen: 51.975 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

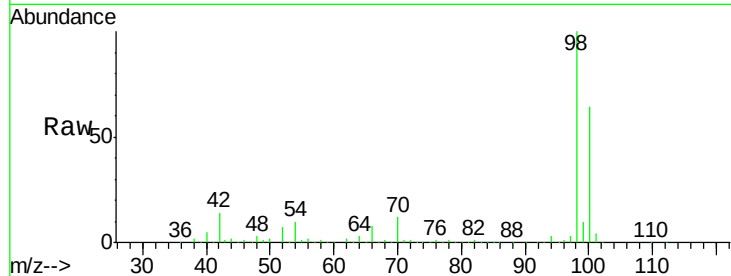
PB132908ZHE#04

Tot Ion: 98 Resp: 668278

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

400000

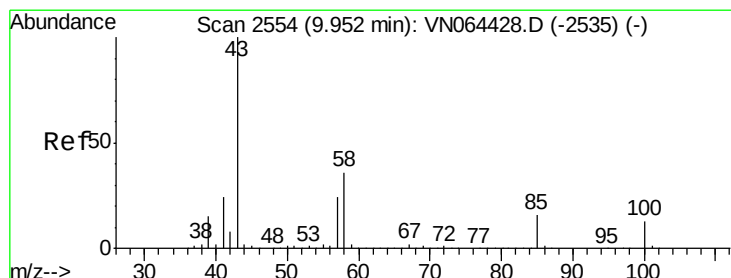
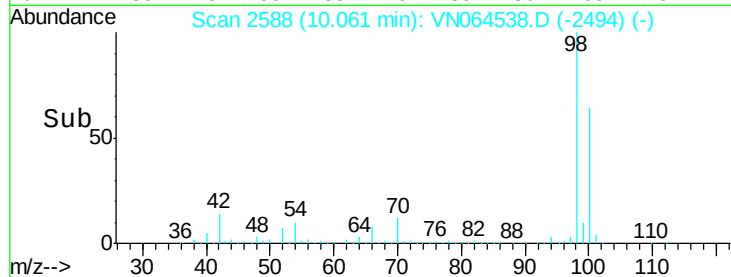
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.407 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064538.D

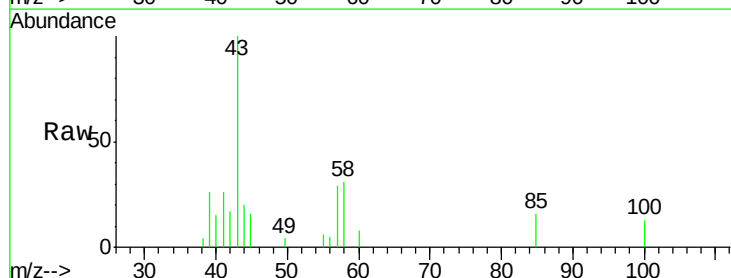
Acq: 10 Nov 2020 20:14

Tgt Ion: 43 Resp: 6865

Ion Ratio Lower Upper

43 100

58 36.2 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

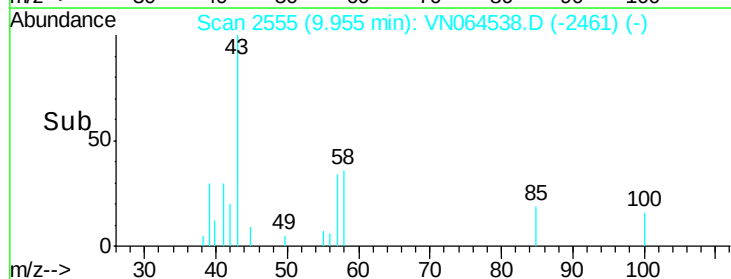
6000

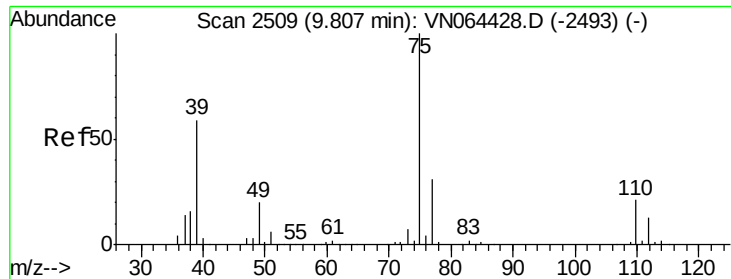
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 8.714 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#04

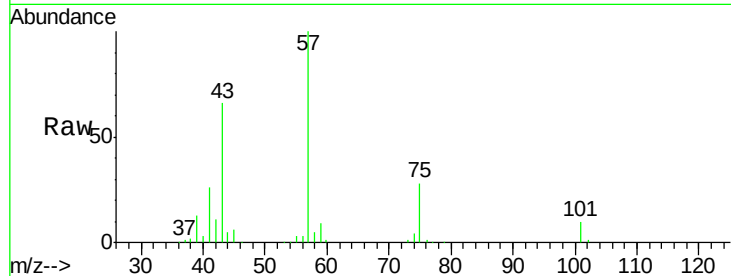
Tot Ion: 75 Resp: 56580

Ion Ratio Lower Upper

75 100

77 0.5 24.9 37.3#

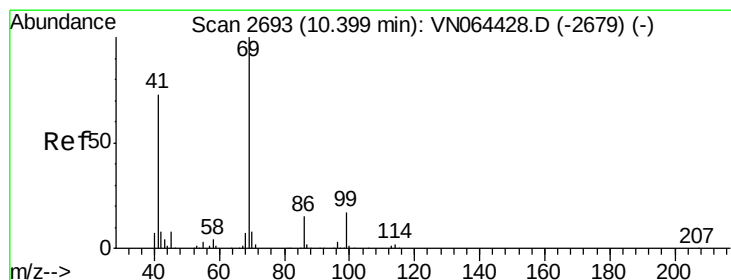
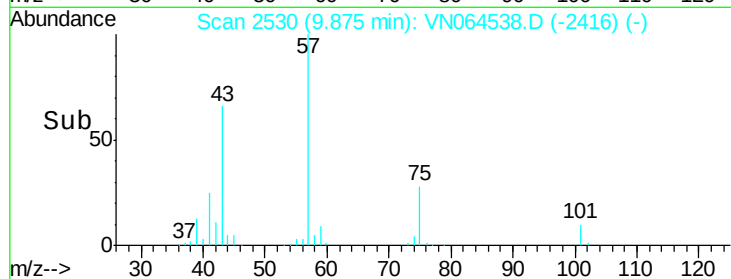
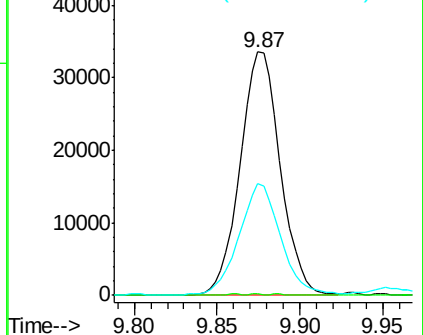
39 45.4 47.1 70.7#



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: 1.871 ug/l

RT: 10.35 min Scan# 2677

Delta R.T. -0.05 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

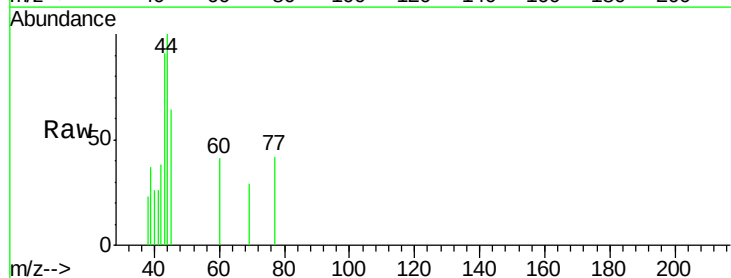
Tgt Ion: 69 Resp: 187

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

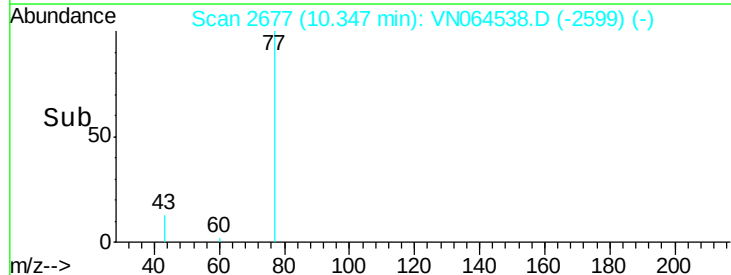
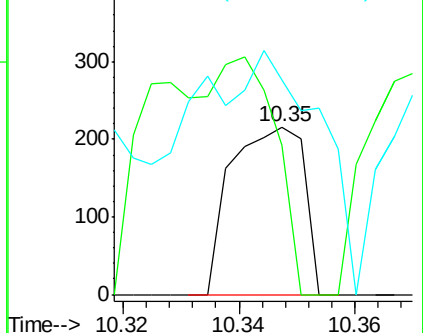
39 0.0 35.4 53.0#

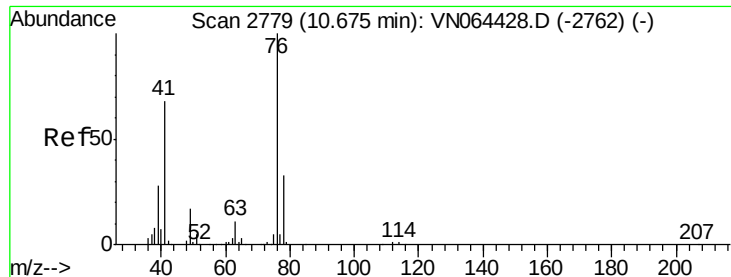


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

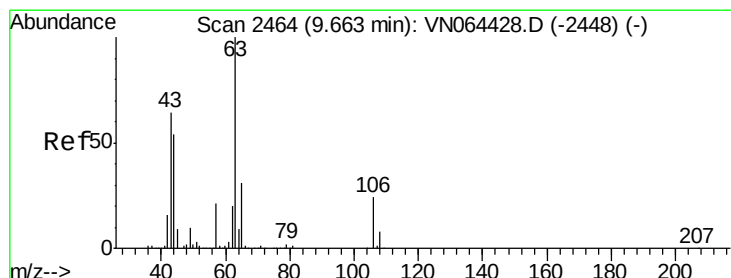
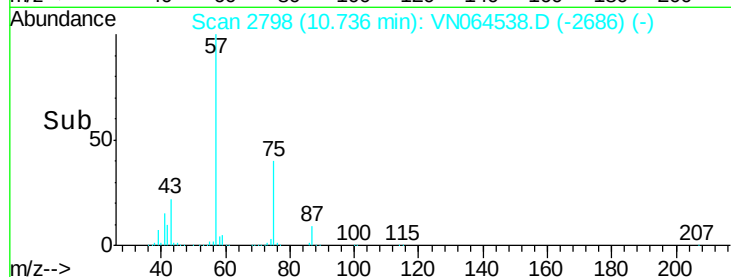
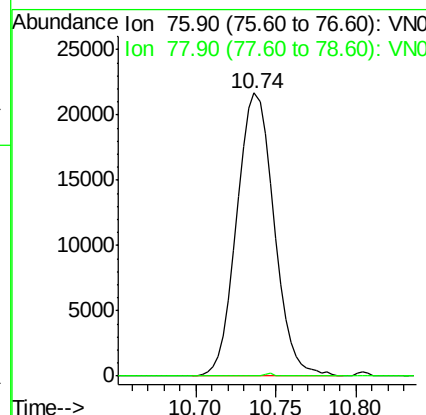
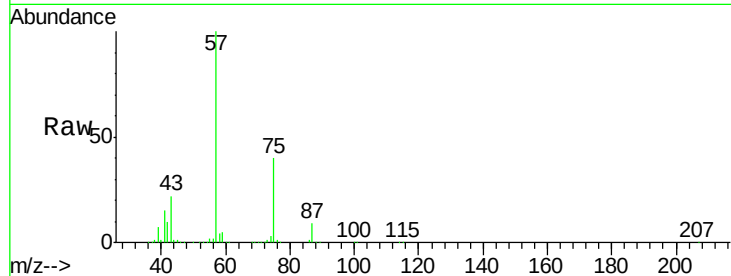




#57
 1,3-Dichloropropane
 Concen: 5.466 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

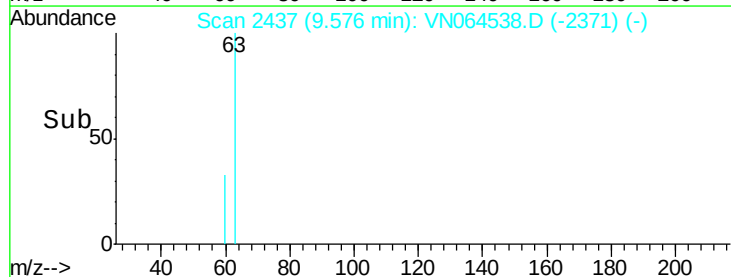
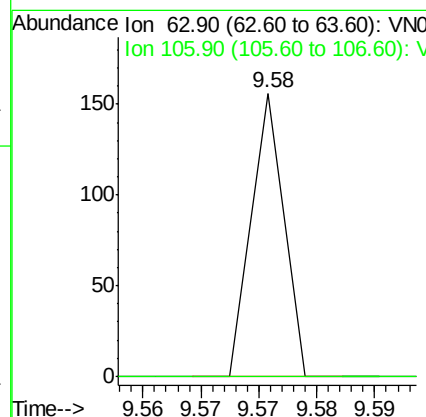
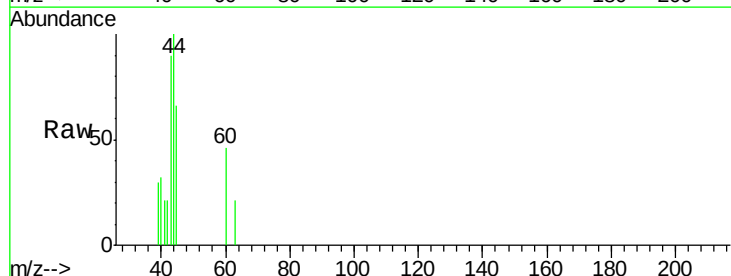
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#04

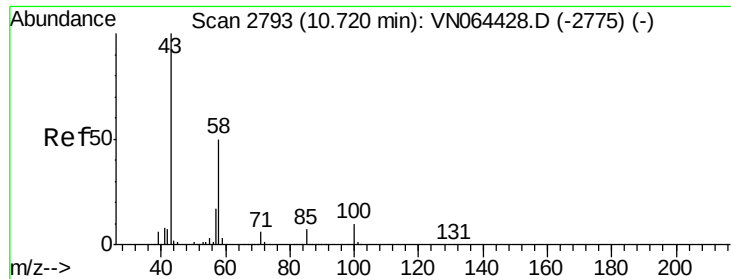
Tot Ion: 76 Resp: 34419
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.8 38.6#



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.548 ug/l
 RT: 9.58 min Scan# 2437
 Delta R.T. -0.09 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

Tgt Ion: 63 Resp: 30
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.5 29.3#

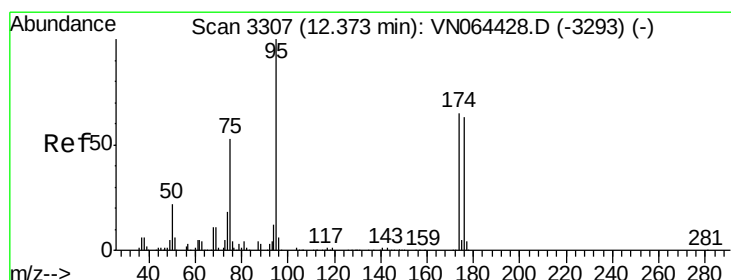
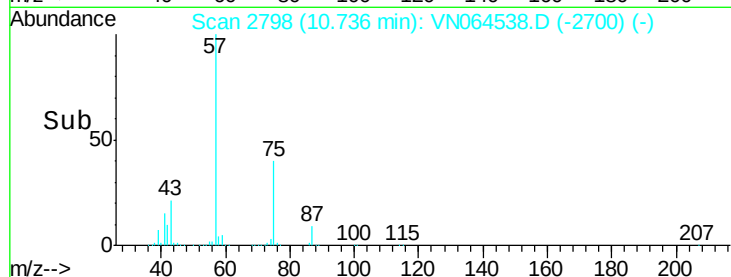
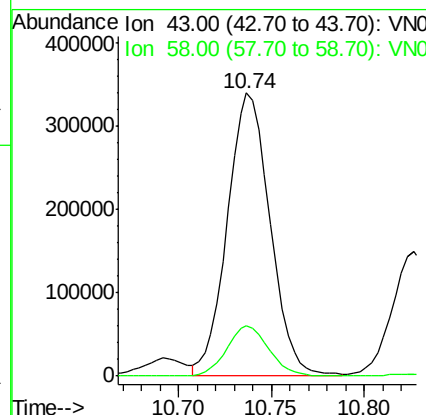
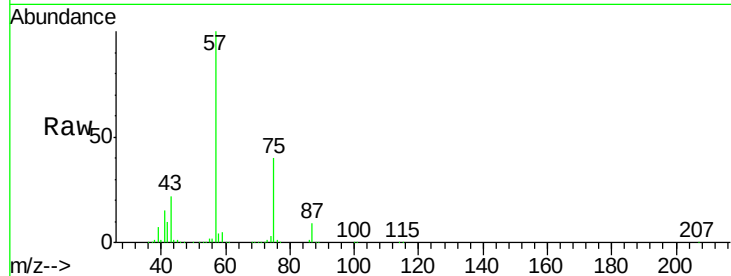




#59
2-Hexanone
Concen: 137.980 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

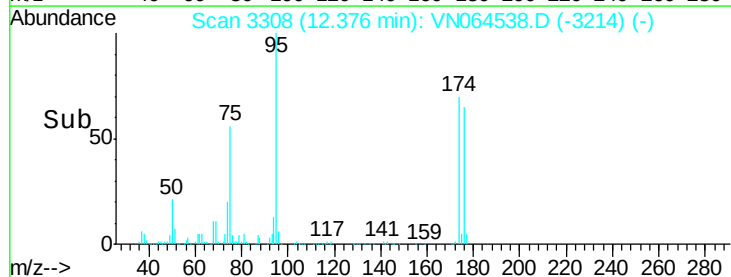
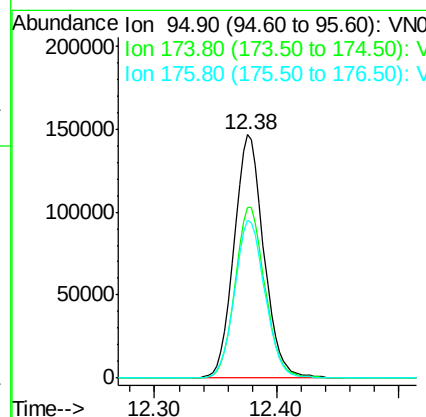
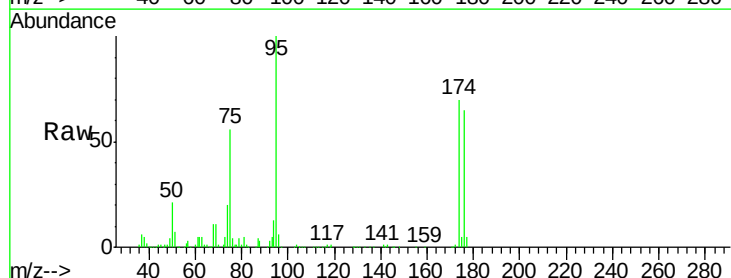
Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#04

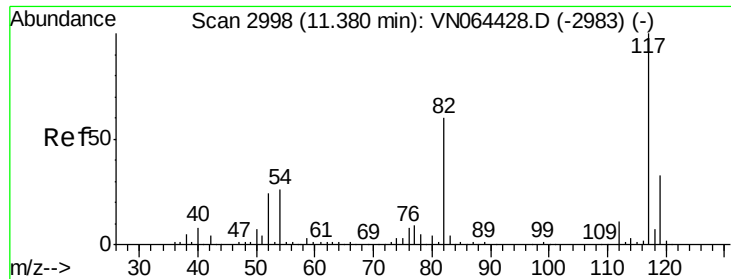
Tot Ion: 43 Resp: 541570
Ion Ratio Lower Upper
43 100
58 17.8 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 51.343 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

Tgt Ion: 95 Resp: 249661
Ion Ratio Lower Upper
95 100
174 70.8 0.0 132.6
176 65.9 0.0 129.2

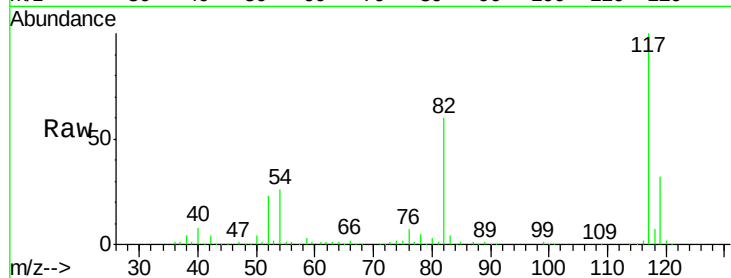




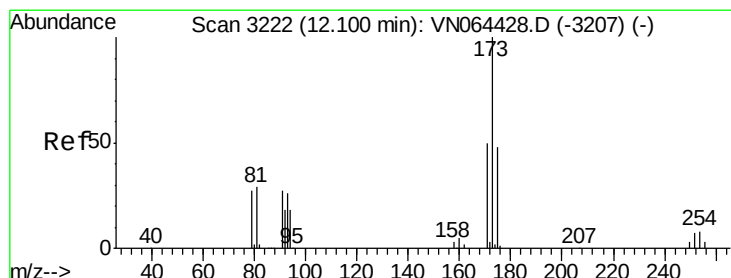
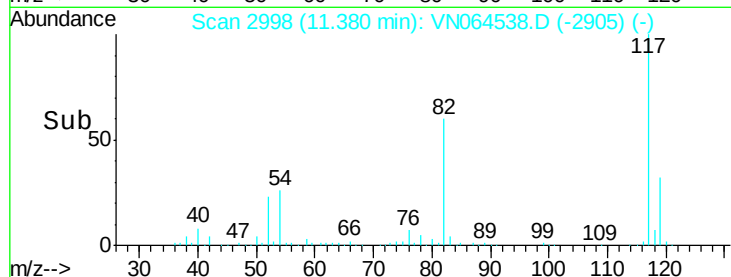
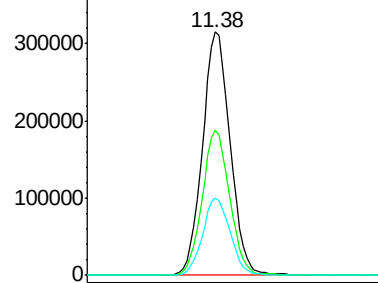
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

Instrument :
MSVOA_N
ClientSampleId :
PB132908ZHE#04

Tot Ion:117 Resp: 548847
Ion Ratio Lower Upper
117 100
82 59.7 48.1 72.1
119 31.7 26.2 39.4

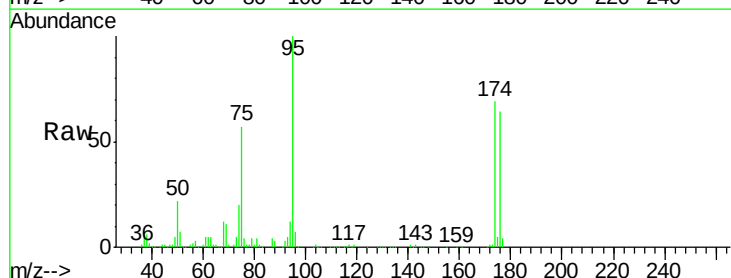


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

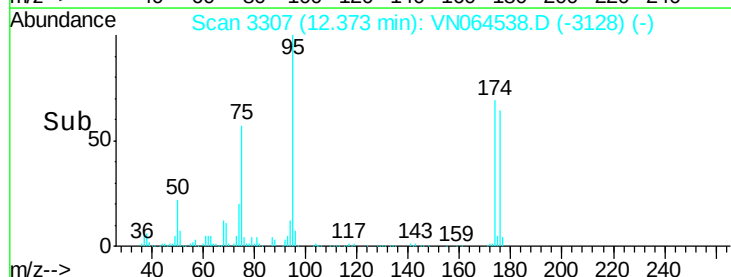
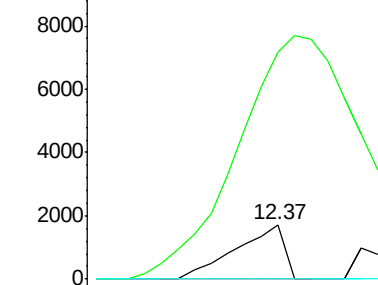


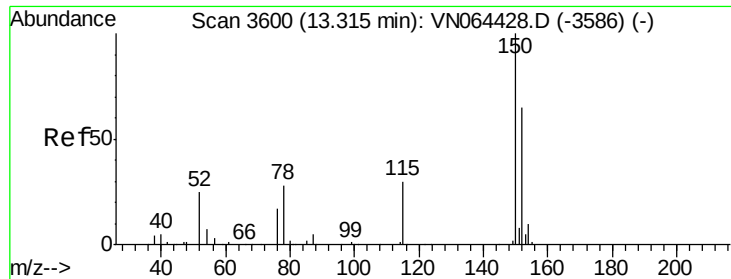
#71
Bromoform
Concen: 1.599 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064538.D
Acq: 10 Nov 2020 20:14

Tgt Ion:173 Resp: 1119
Ion Ratio Lower Upper
173 100
175 935.9 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

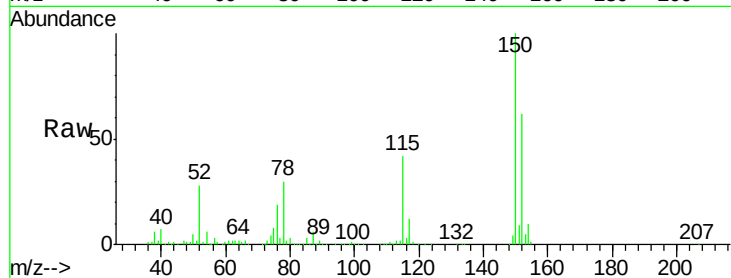




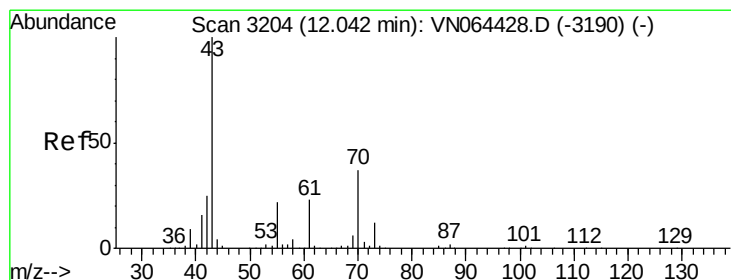
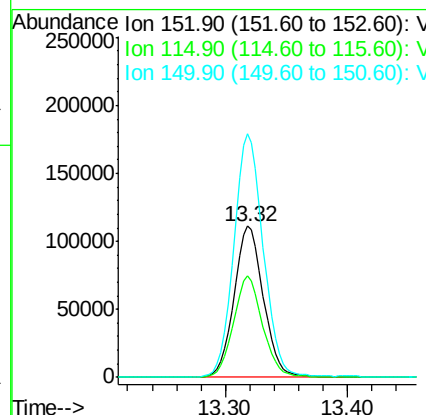
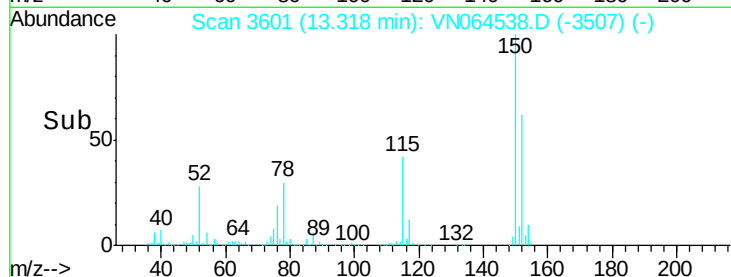
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132908ZHE#04

Tot Ion:152 Resp: 186656
 Ion Ratio Lower Upper
 152 100
 115 66.6 32.0 96.0
 150 161.3 0.0 353.8

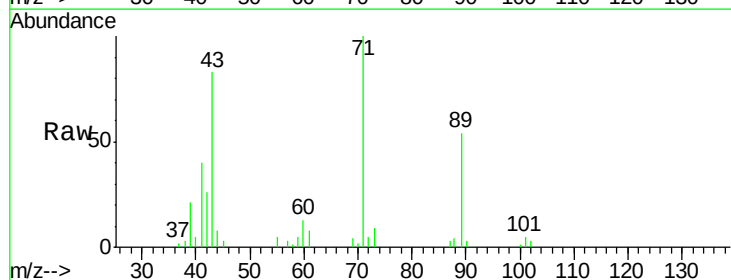


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

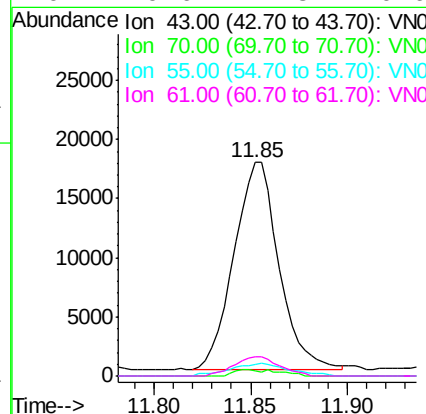
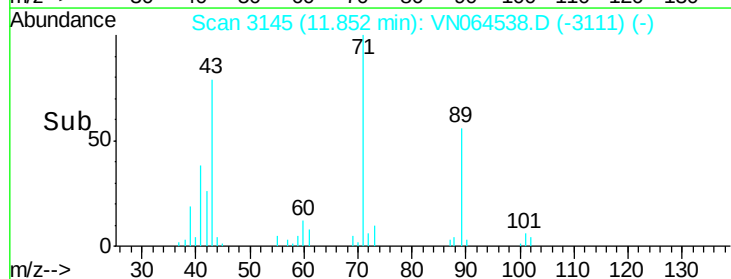


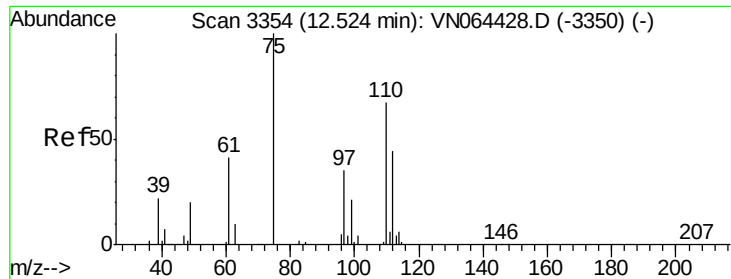
#74
 N-ethyl acetate
 Concen: 5.023 ug/l
 RT: 11.85 min Scan# 3145
 Delta R.T. -0.19 min
 Lab File: VN064538.D
 Acq: 10 Nov 2020 20:14

Tgt Ion: 43 Resp: 28090
 Ion Ratio Lower Upper
 43 100
 70 1.7 29.6 44.4#
 55 7.9 18.4 27.6#
 61 9.6 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: 30.724 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

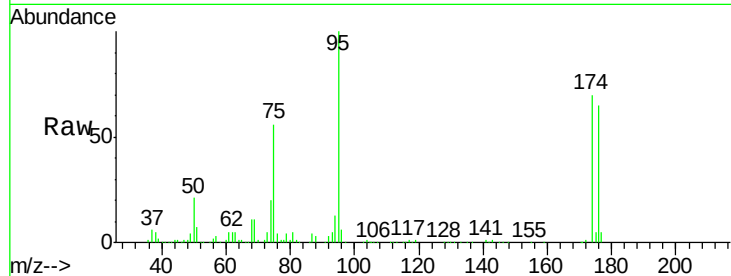
PB132908ZHE#04

Tot Ion: 75 Resp: 138952

Ion Ratio Lower Upper

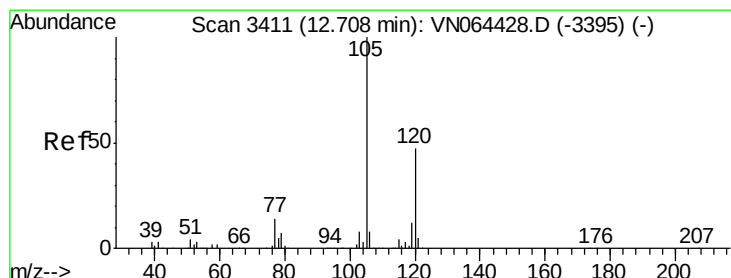
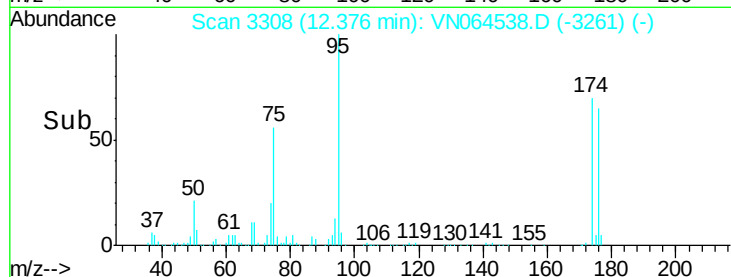
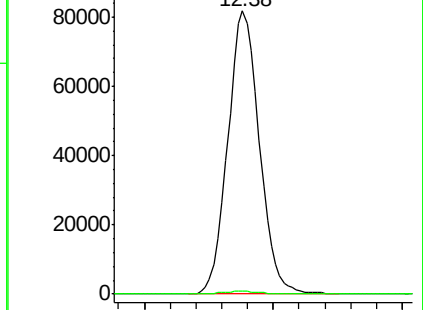
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064538.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN064538.D (-3261) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.732 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064538.D

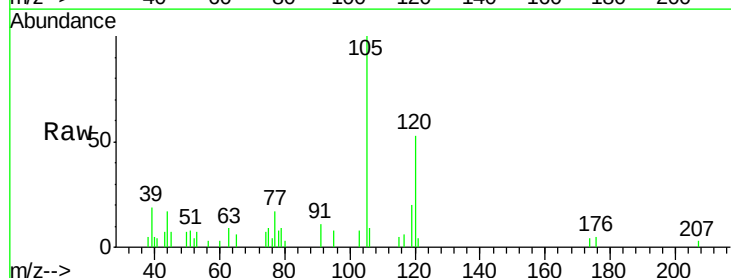
Acq: 10 Nov 2020 20:14

Tgt Ion: 105 Resp: 8960

Ion Ratio Lower Upper

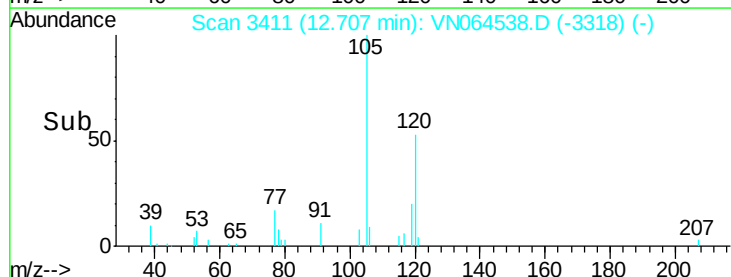
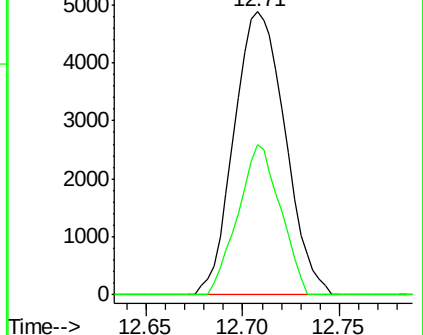
105 100

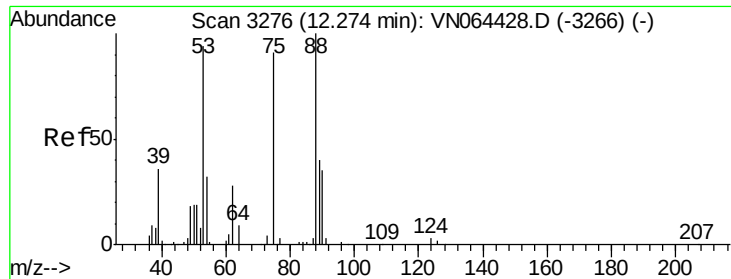
120 43.9 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064538.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064538.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 85.786 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064538.D

Acq: 10 Nov 2020 20:14

Instrument :

MSVOA_N

ClientSampleId :

PB132908ZHE#04

Tot Ion: 75 Resp: 138952

Ion Ratio Lower Upper

75 100

53 0.4 84.0 126.0#

89 0.0 36.3 54.5#

