

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064746.D
 Acq On : 19 Nov 2020 20:26
 Operator : JC/MD
 Sample : PB133072TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133072TB

Quant Time: Nov 20 03:54:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	196956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	472853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	189526	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	202683	58.50	ug/l	0.00
Spiked Amount			Recovery	=	117.00%	
35) Dibromofluoromethane	7.55	113	128719	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
50) Toluene-d8	10.06	98	582752	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	
62) 4-Bromofluorobenzene	12.37	95	223884	56.91	ug/l	0.00
Spiked Amount			Recovery	=	113.82%	

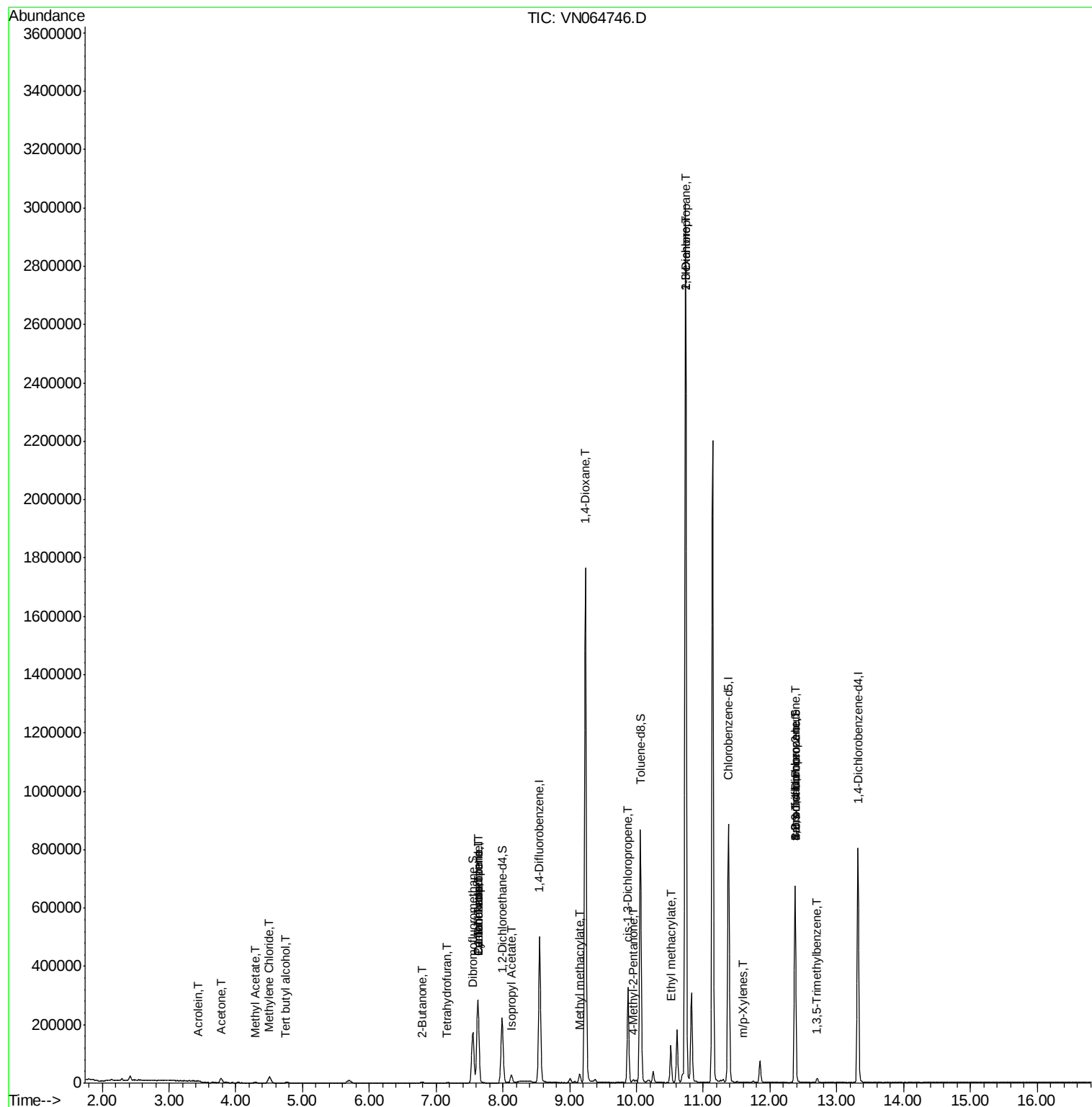
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	196	0.583	ug/l #	70
13) Acrolein	3.43	56	98	1.245	ug/l #	11
16) Acetone	3.78	43	24180	33.324	ug/l	95
18) Methyl Acetate	4.29	43	2171	2.165	ug/l #	54
20) Methylene Chloride	4.50	84	14561	5.675	ug/l	86
25) 2-Butanone	6.79	43	421	0.318	ug/l #	51
29) Tetrahydrofuran	7.16	42	665	0.743	ug/l #	47
31) Cyclohexane	7.62	56	6786	1.812	ug/l #	56
36) 1,1-Dichloropropene	7.63	75	20258	4.839	ug/l #	50
38) Carbon Tetrachloride	7.62	117	23533	5.290	ug/l #	16
43) Isopropyl Acetate	8.13	43	32550	4.791	ug/l	98
48) Methyl methacrylate	9.15	41	6427	2.005	ug/l #	13
49) 1,4-Dioxane	9.23	88	307	7.676	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	6959	7.785	ug/l	100
54) cis-1,3-Dichloropropene	9.87	75	51641	10.115	ug/l #	66
56) Ethyl methacrylate	10.51	69	1035	2.882	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	27308	5.471	ug/l #	43
59) 2-Hexanone	10.74	43	451760	153.325	ug/l #	54
68) m/p-Xylenes	11.60	106	67	4.071	ug/l	77
71) Bromoform	12.38	173	853	2.724	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	131016	32.083	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	6963	0.623	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.38	75	131016	81.680	ug/l #	5

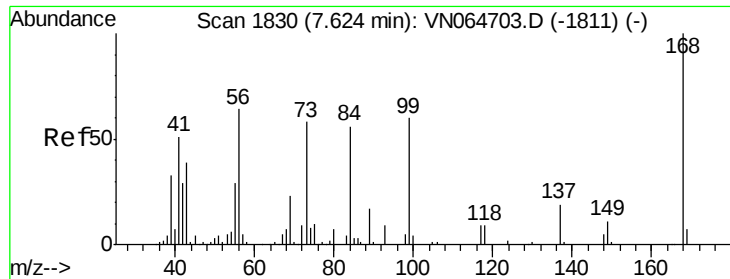
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 19 Nov 2020 20:26
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 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: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

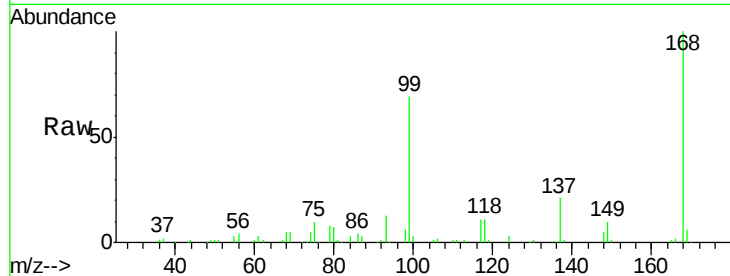
PB133072TB

Tot Ion:168 Resp: 196956

Ion Ratio Lower Upper

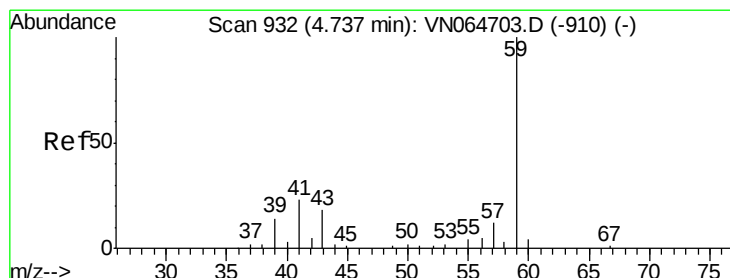
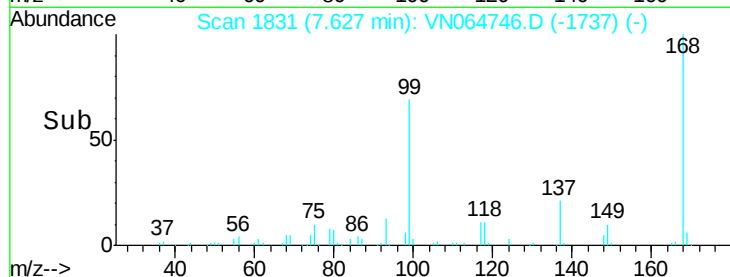
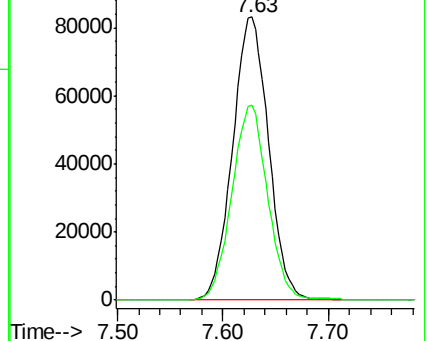
168 100

99 69.0 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.583 ug/l

RT: 4.74 min Scan# 932

Delta R.T. 0.00 min

Lab File: VN064746.D

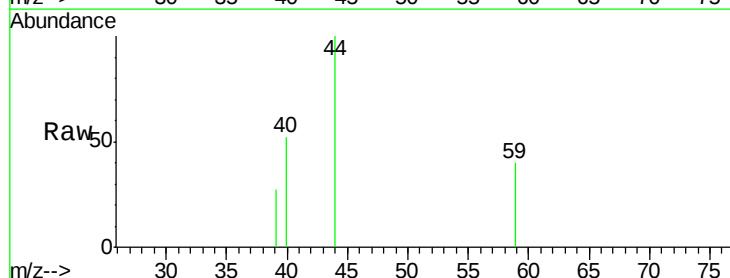
Acq: 19 Nov 2020 20:26

Tgt Ion: 59 Resp: 196

Ion Ratio Lower Upper

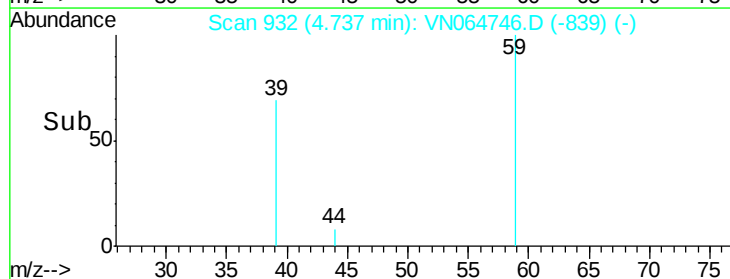
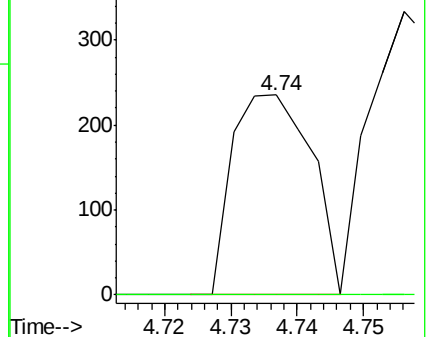
59 100

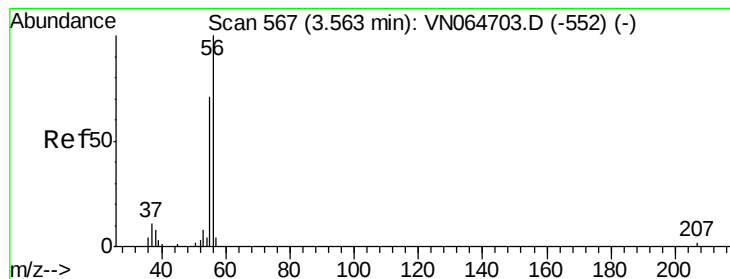
57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 1.245 ug/l

RT: 3.43 min Scan# 525

Delta R.T. -0.14 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

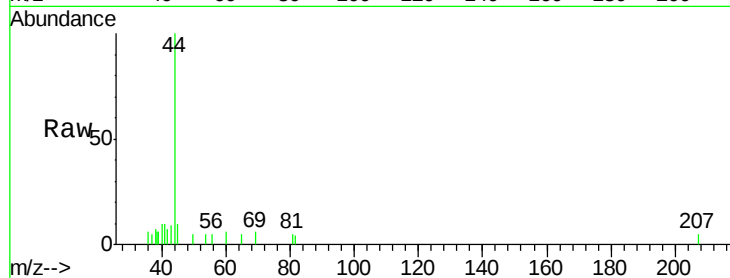
PB133072TB

Tot Ion: 56 Resp: 98

Ion Ratio Lower Upper

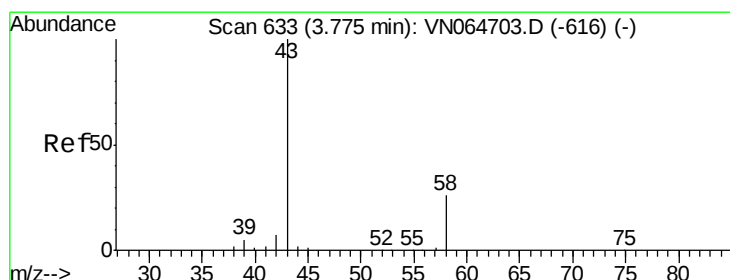
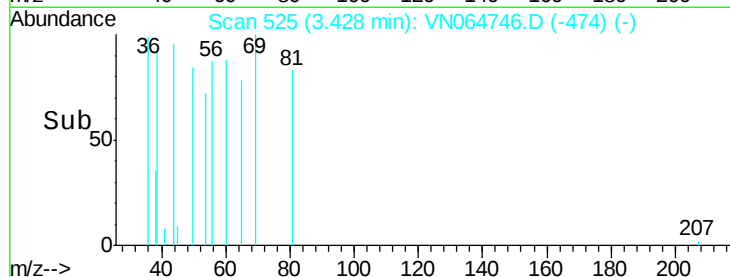
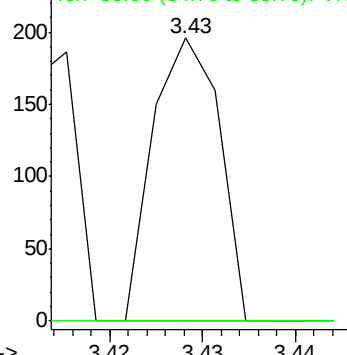
56 100

55 0.0 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 33.324 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064746.D

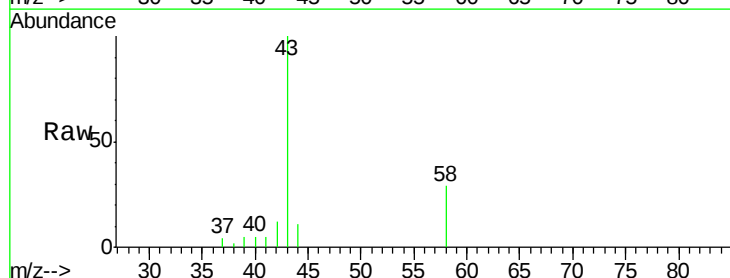
Acq: 19 Nov 2020 20:26

Tgt Ion: 43 Resp: 24180

Ion Ratio Lower Upper

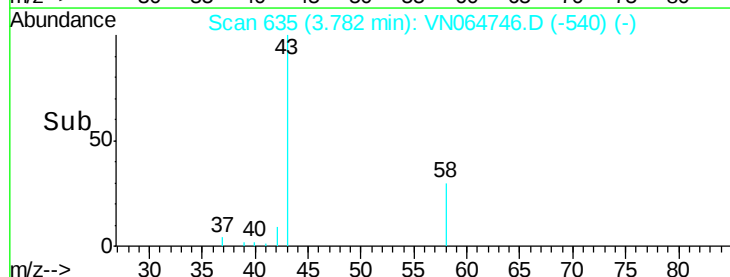
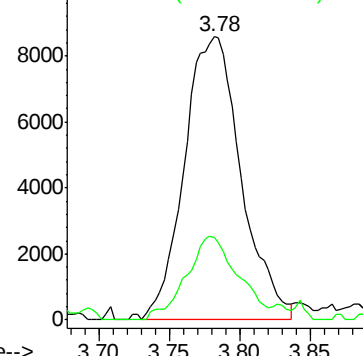
43 100

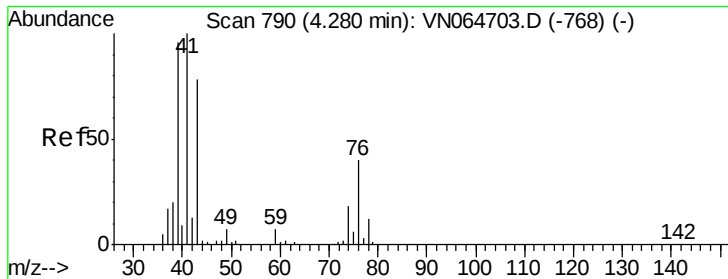
58 29.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#18

Methyl Acetate

Concen: 2.165 ug/l

RT: 4.29 min Scan# 792

Delta R.T. 0.01 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

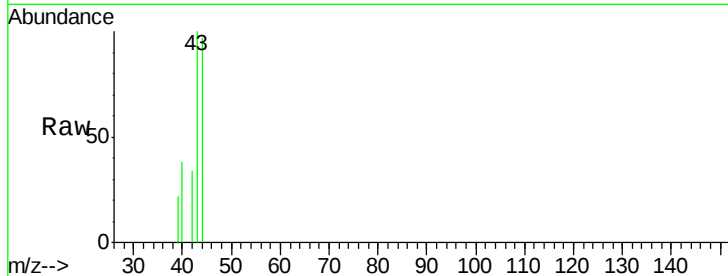
PB133072TB

Tot Ion: 43 Resp: 2171

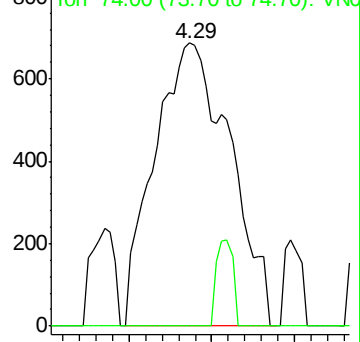
Ion Ratio Lower Upper

43 100

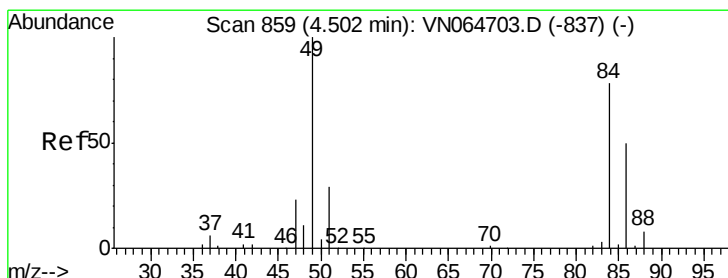
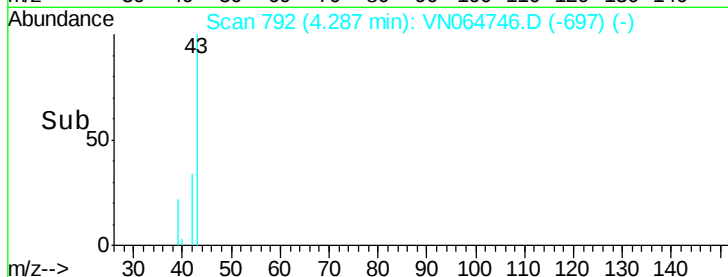
74 0.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VN064746.D (-697) (-)



Time-->



#20

Methylene Chloride

Concen: 5.675 ug/l

RT: 4.50 min Scan# 859

Delta R.T. 0.00 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Tgt Ion: 84 Resp: 14561

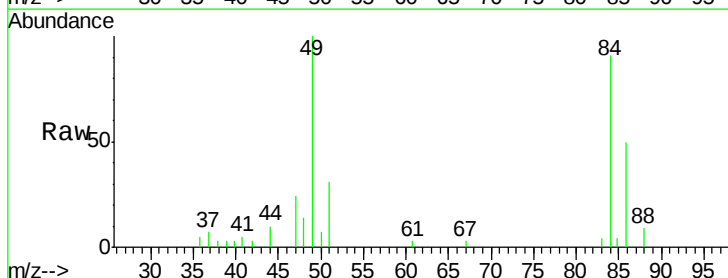
Ion Ratio Lower Upper

84 100

49 106.8 102.4 153.6

51 34.3 29.4 44.2

86 54.9 51.2 76.8

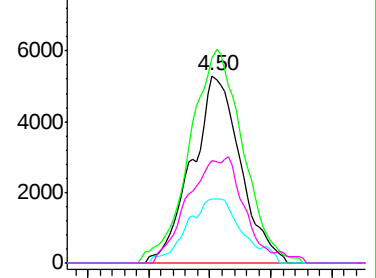


Abundance Ion 83.90 (83.60 to 84.60): VN064746.D (-766) (-)

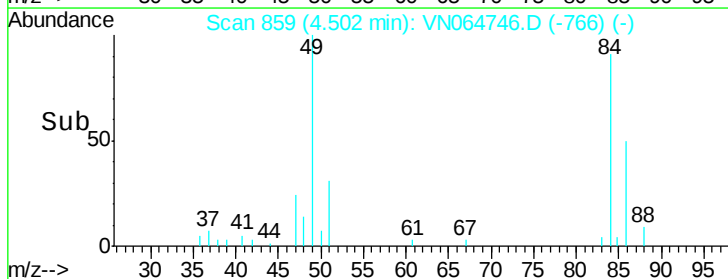
Ion 48.90 (48.60 to 49.60): VN064746.D (-766) (-)

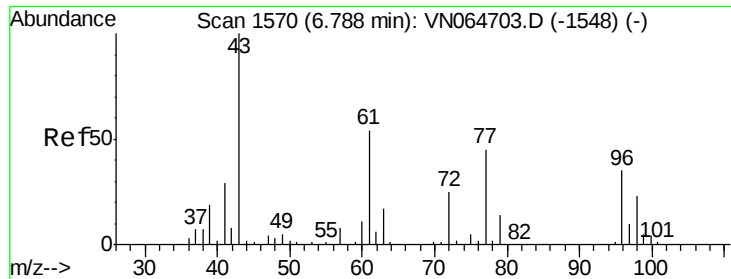
Ion 50.90 (50.60 to 51.60): VN064746.D (-766) (-)

Ion 85.90 (85.60 to 86.60): VN064746.D (-766) (-)



Time-->

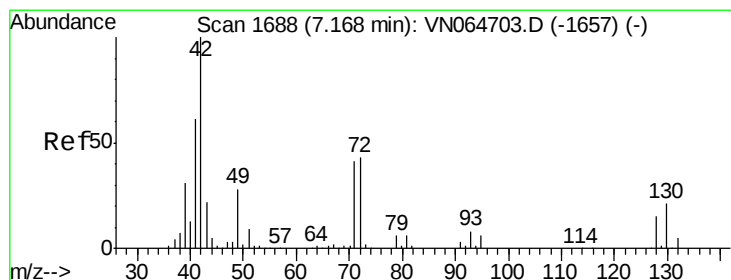
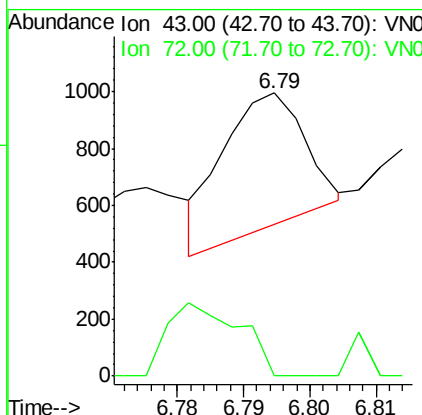
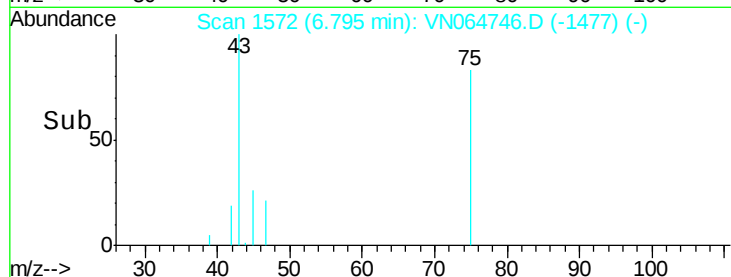
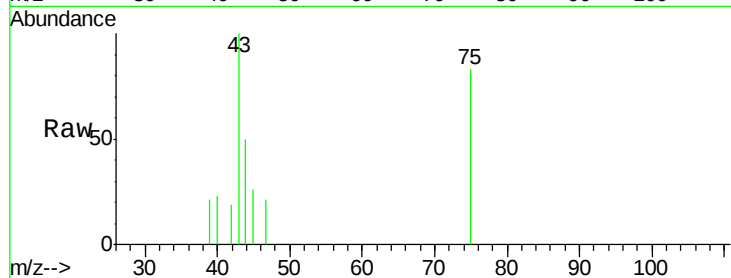




#25
 2-Butanone
 Concen: 0.318 ug/l
 RT: 6.79 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN064746.D
 Acq: 19 Nov 2020 20:26

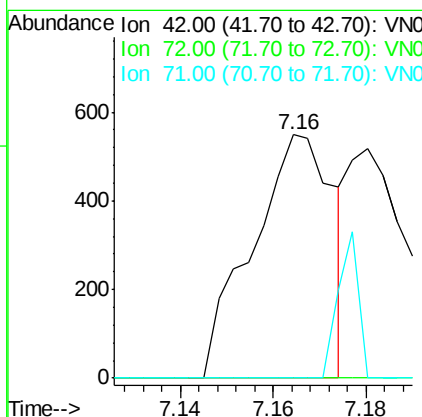
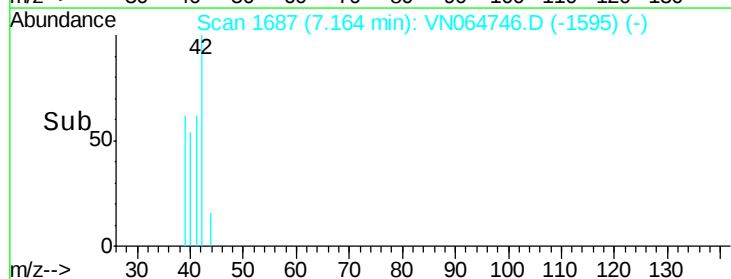
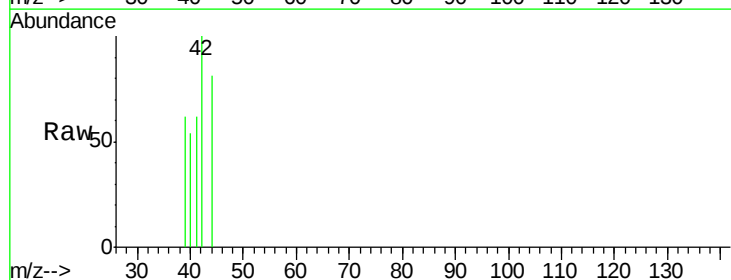
Instrument :
 MSVOA_N
 ClientSampled :
 PB133072TB

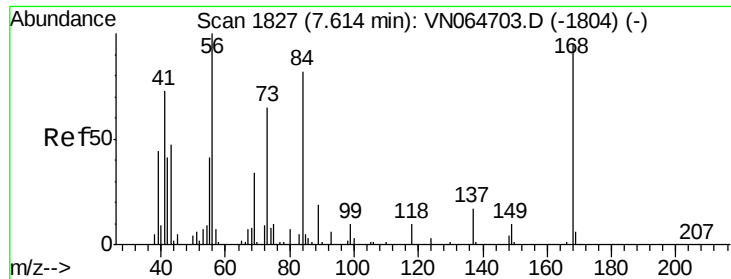
Tot Ion: 43 Resp: 421
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.7 29.5#



#29
 Tetrahydrofuran
 Concen: 0.743 ug/l
 RT: 7.16 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN064746.D
 Acq: 19 Nov 2020 20:26

Tgt Ion: 42 Resp: 665
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.0 49.4#
 71 15.3 31.8 47.6#

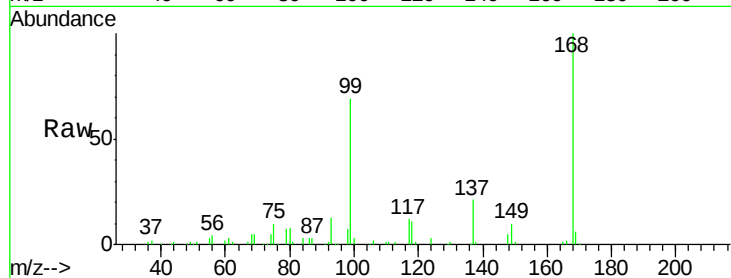




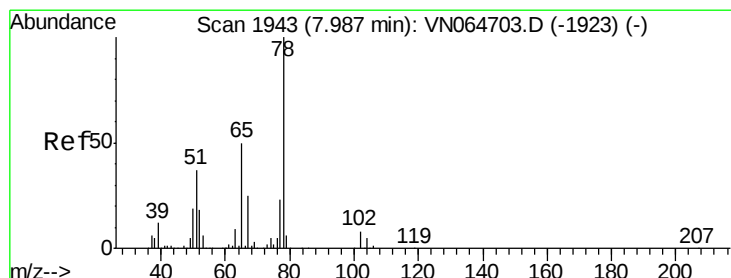
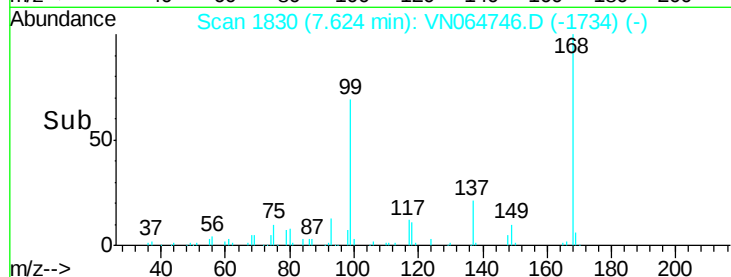
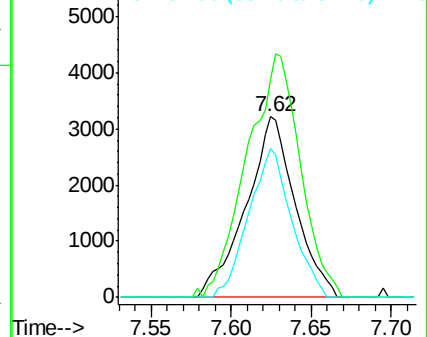
#31
Cyclohexane
Concen: 1.812 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

Instrument :
MSVOA_N
ClientSampled :
PB133072TB

Tot Ion: 56 Resp: 6786
Ion Ratio Lower Upper
56 100
69 120.7 27.2 40.8#
84 82.5 65.9 98.9

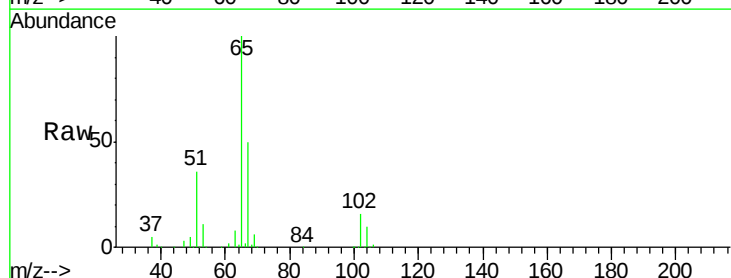


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

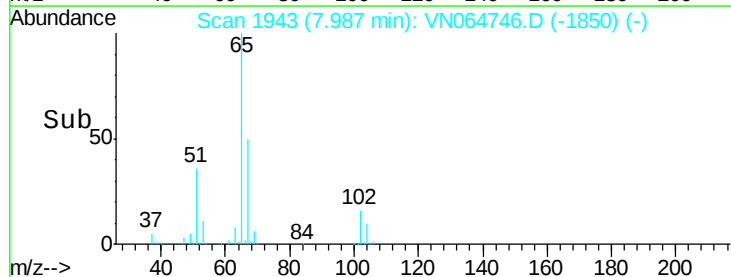
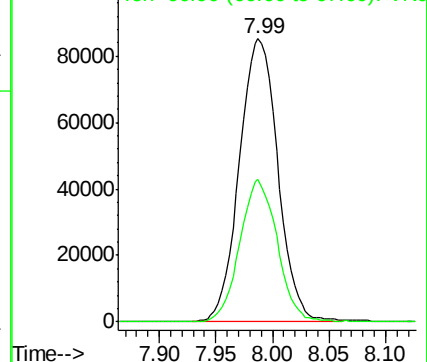


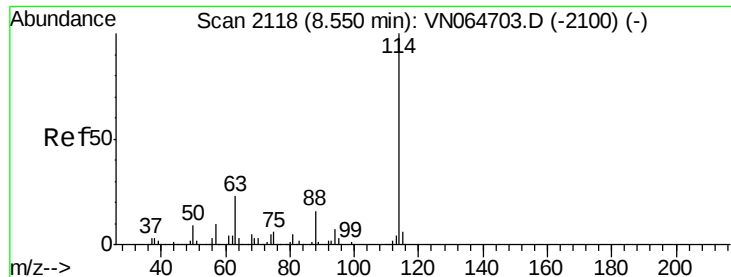
#33
1,2-Dichloroethane-d4
Concen: 58.498 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

Tgt Ion: 65 Resp: 202683
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

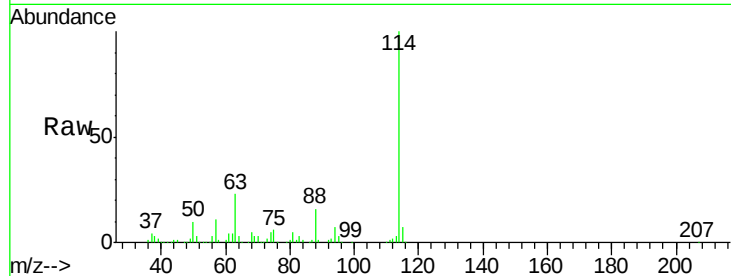




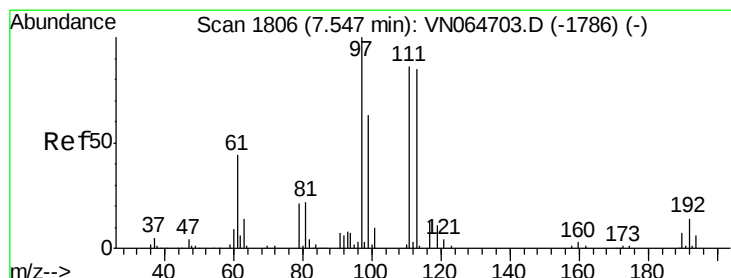
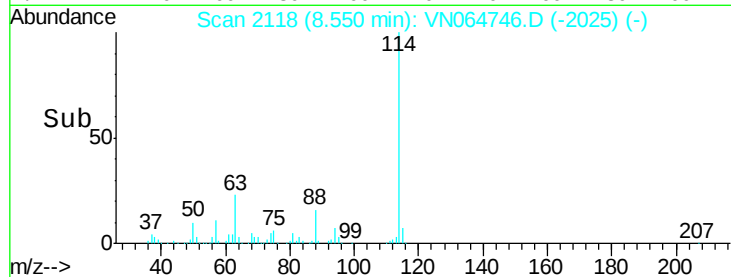
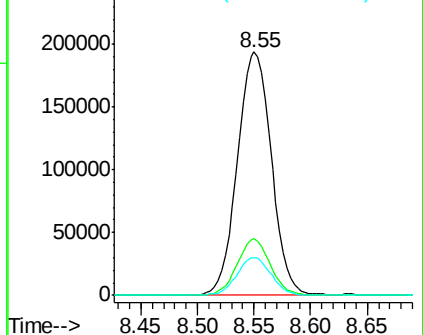
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064746.D
 Acq: 19 Nov 2020 20:26

Instrument :
 MSVOA_N
 ClientSampleId :
 PB133072TB

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.0
88	15.7	0.0	31.2

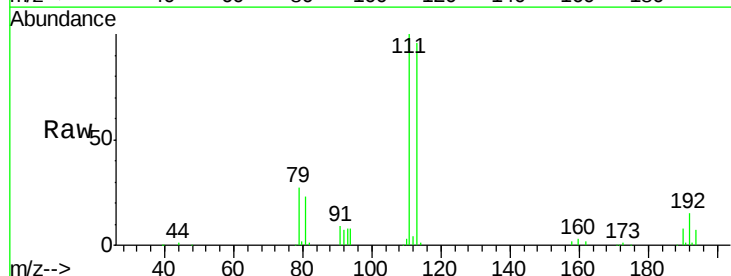


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

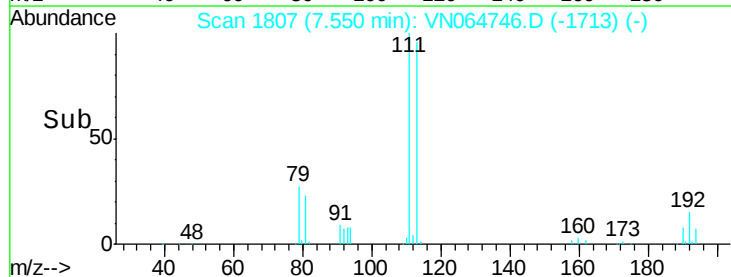
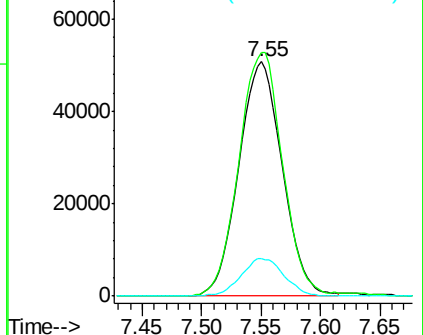


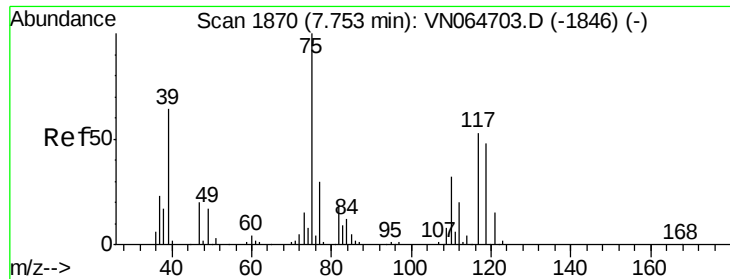
#35
 Dibromofluoromethane
 Concen: 55.582 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064746.D
 Acq: 19 Nov 2020 20:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.2	123.4
192	15.9	12.7	19.1



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

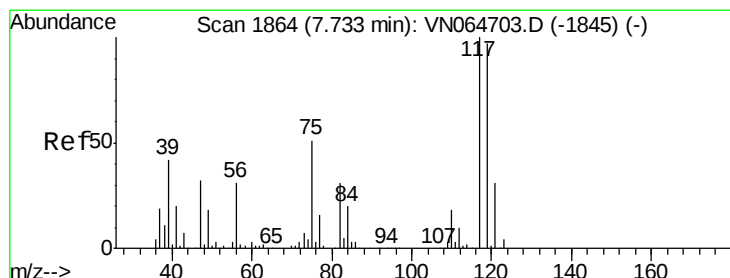
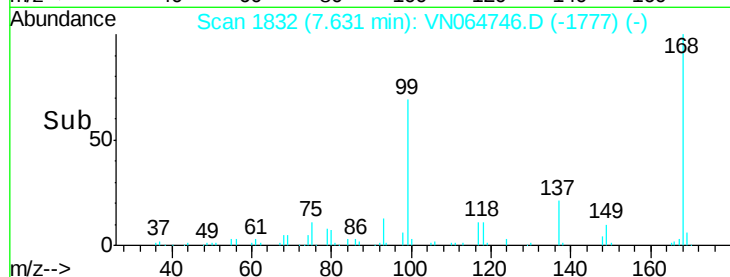
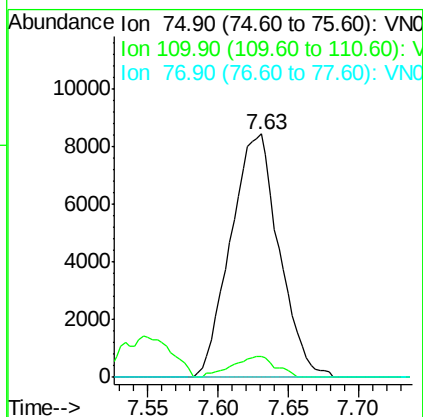
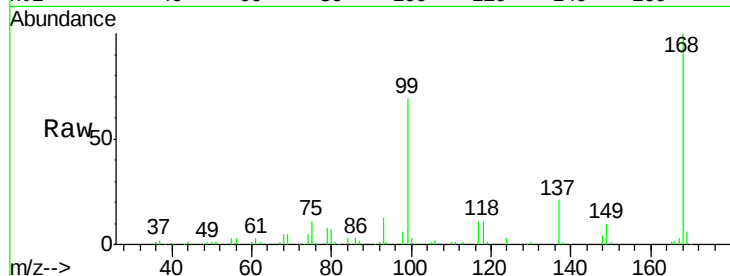




#36
 1,1-Dichloropropene
 Concen: 4.839 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064746.D
 Acq: 19 Nov 2020 20:26

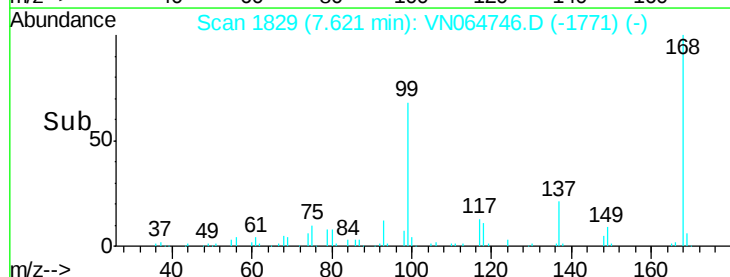
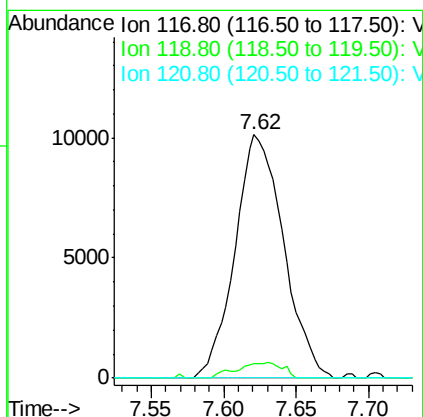
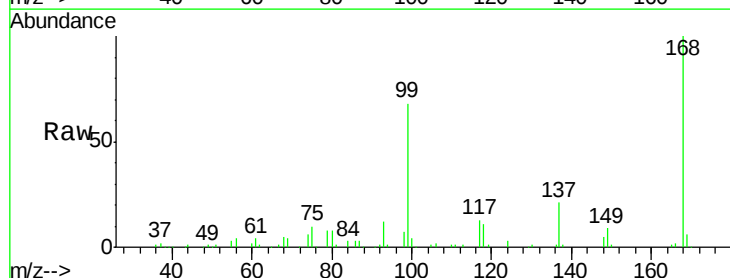
Instrument :
 MSVOA_N
 ClientSampleId :
 PB133072TB

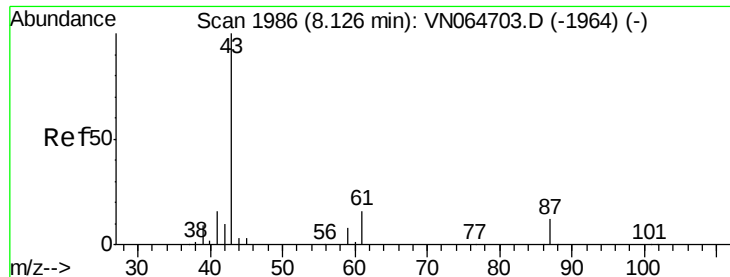
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.2	48.6#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.290 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.11 min
 Lab File: VN064746.D
 Acq: 19 Nov 2020 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.8	116.6#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 4.791 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

PB133072TB

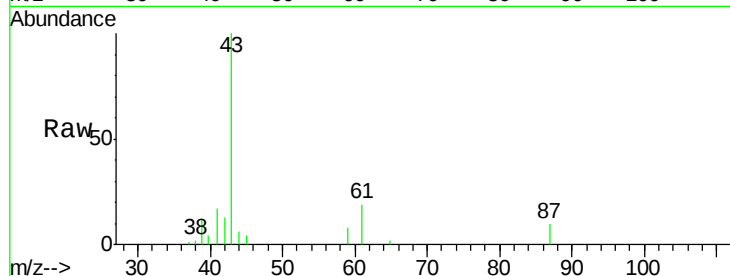
Tot Ion: 43 Resp: 32550

Ion Ratio Lower Upper

43 100

61 17.2 14.1 21.1

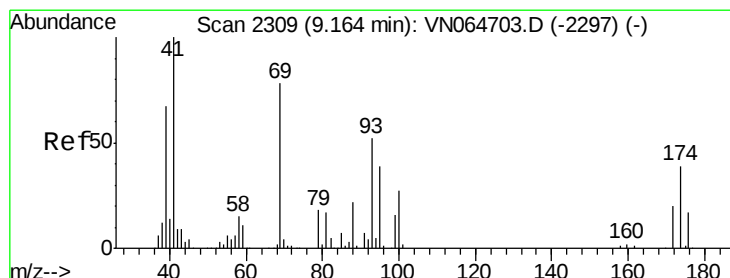
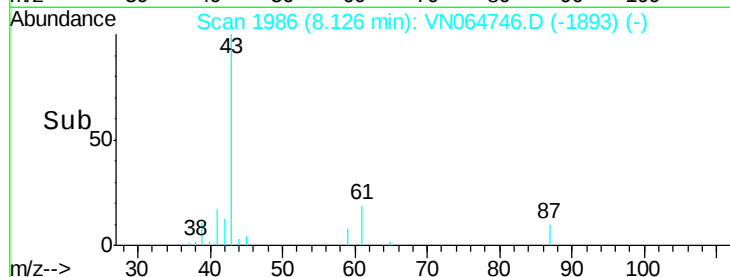
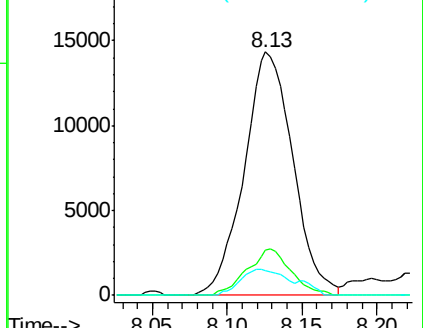
87 9.6 9.1 13.7



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



#48

Methyl methacrylate

Concen: 2.005 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

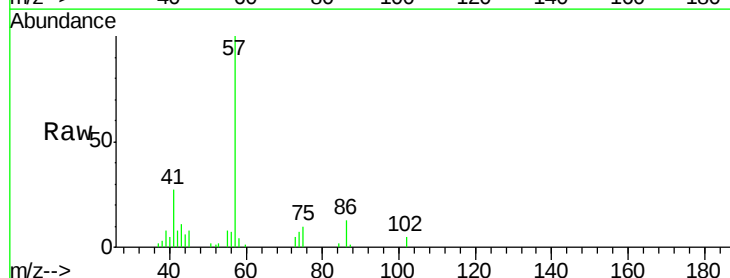
Tgt Ion: 41 Resp: 6427

Ion Ratio Lower Upper

41 100

69 0.5 62.3 93.5#

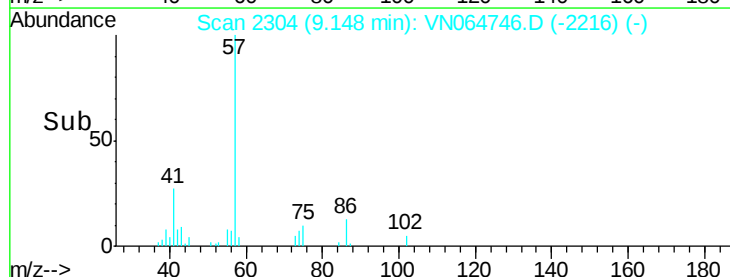
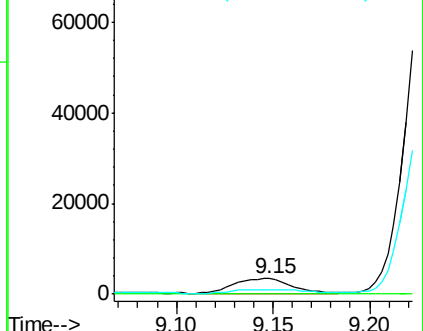
39 0.0 55.1 82.7#

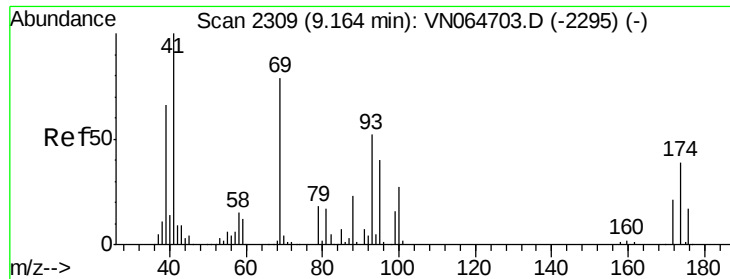


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 7.676 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

PB133072TB

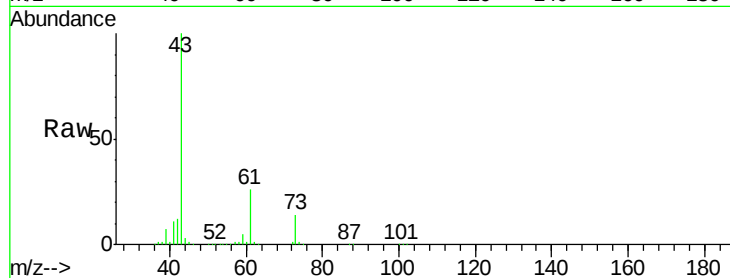
Tot Ion: 88 Resp: 307

Ion Ratio Lower Upper

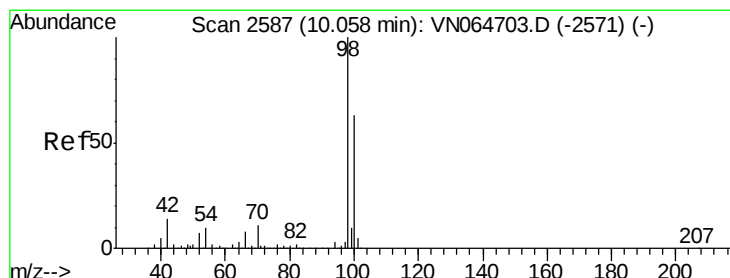
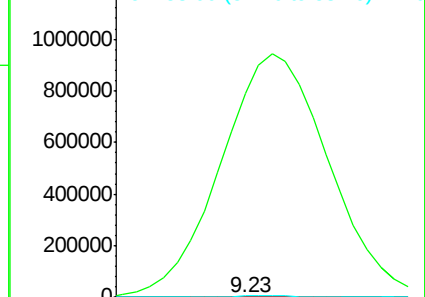
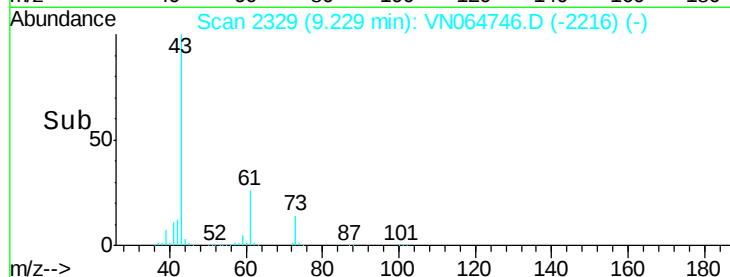
88 100

43 552063.5 31.3 46.9#

58 2983.4 55.7 83.5#



Abundance Ion 88.00 (87.70 to 88.70): VN064746.D (-2216) (-)



#50

Toluene-d8

Concen: 55.367 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064746.D

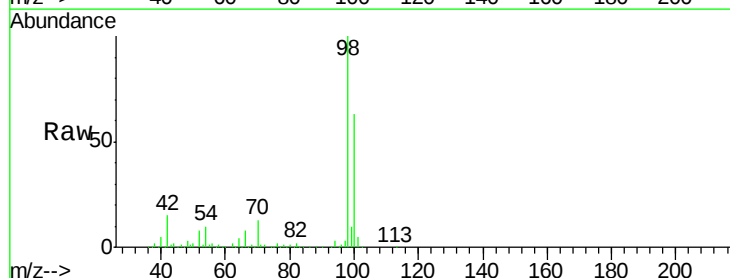
Acq: 19 Nov 2020 20:26

Tgt Ion: 98 Resp: 582752

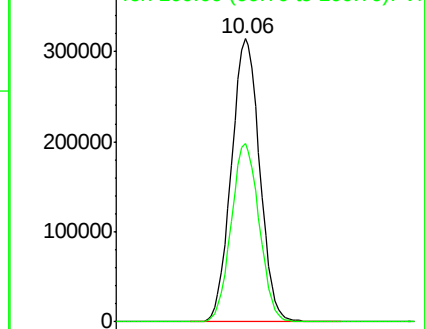
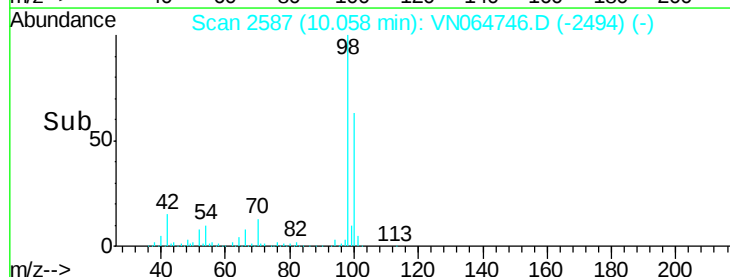
Ion Ratio Lower Upper

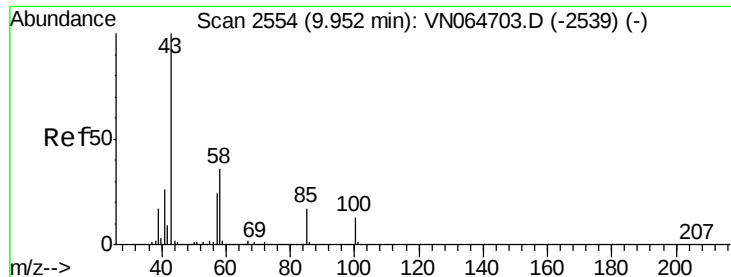
98 100

100 62.5 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064746.D (-2494) (-)

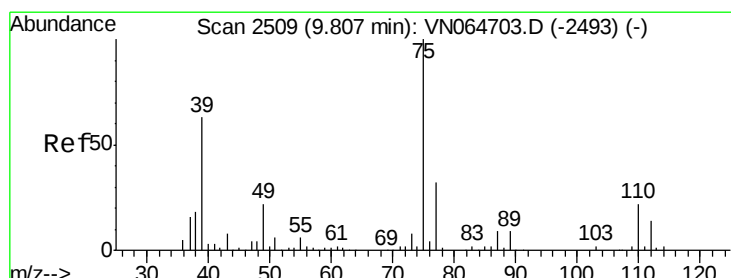
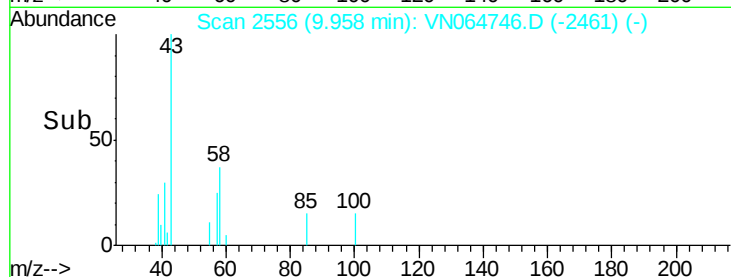
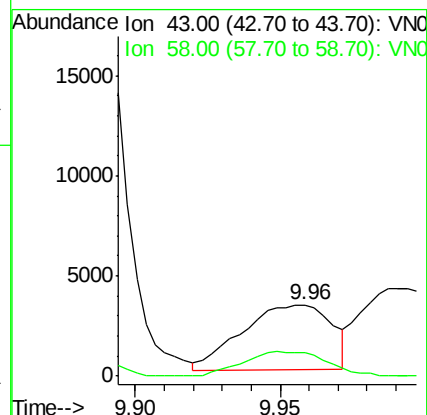
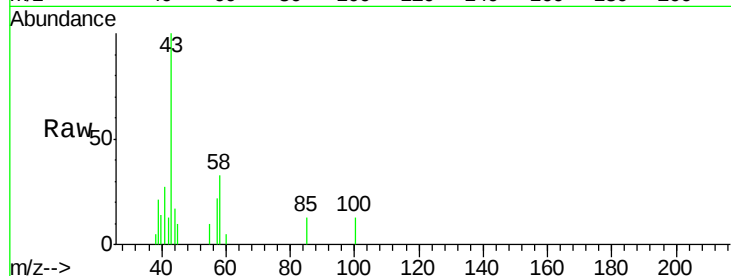




#51
4-Methyl-2-Pentanone
Concen: 7.785 ug/l
RT: 9.96 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

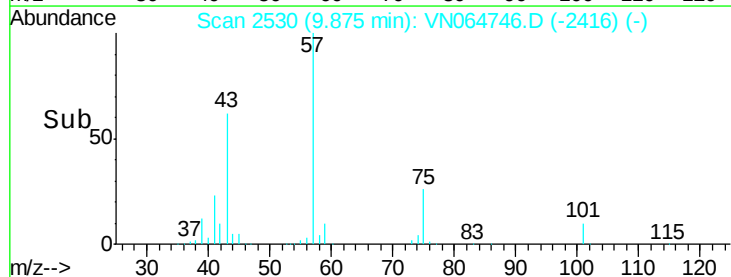
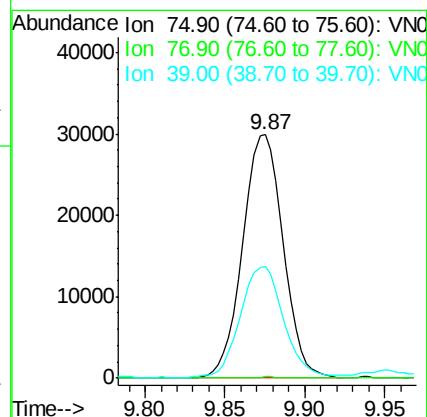
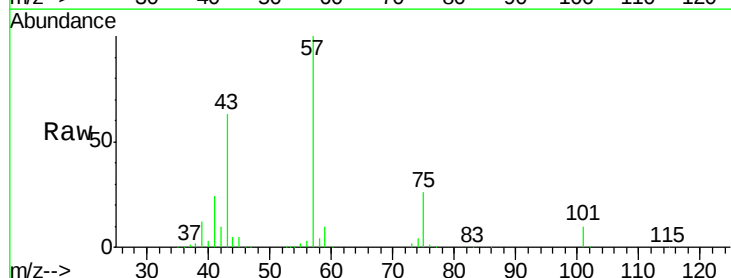
Instrument :
MSVOA_N
ClientSampleId :
PB133072TB

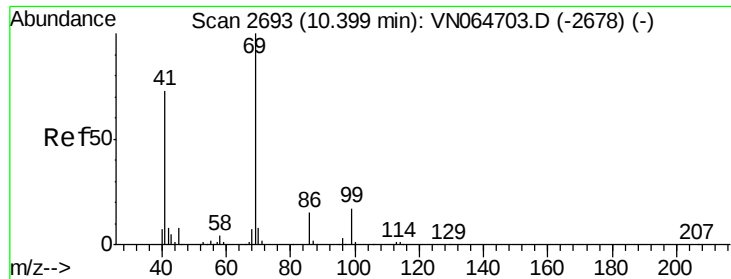
Tot Ion: 43 Resp: 6959
Ion Ratio Lower Upper
43 100
58 35.5 28.5 42.7



#54
cis-1,3-Dichloropropene
Concen: 10.115 ug/l
RT: 9.87 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

Tgt Ion: 75 Resp: 51641
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.8#
39 45.4 50.5 75.7#





#56

Ethyl methacrylate

Concen: 2.882 ug/l

RT: 10.51 min Scan# 2727

Delta R.T. 0.11 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampled :

PB133072TB

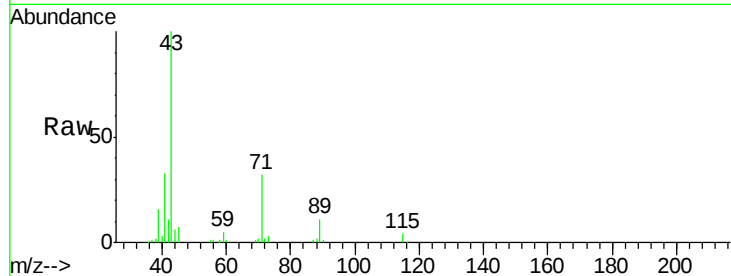
Tot Ion: 69 Resp: 1035

Ion Ratio Lower Upper

69 100

41 2694.6 59.0 88.4#

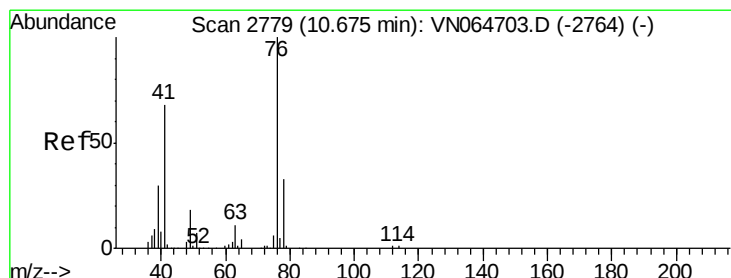
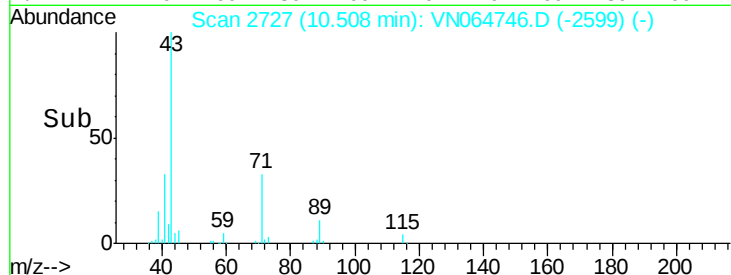
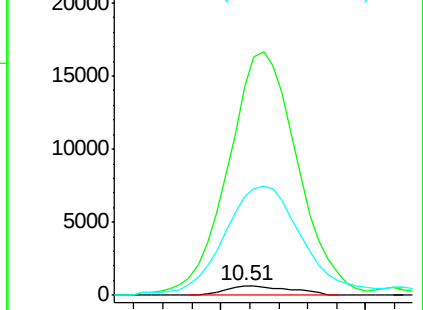
39 1359.5 38.4 57.6#



Abundance Ion 69.00 (68.70 to 69.70): VN064746.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN064746.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN064746.D (-2599) (-)



#57

1,3-Dichloropropane

Concen: 5.471 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN064746.D

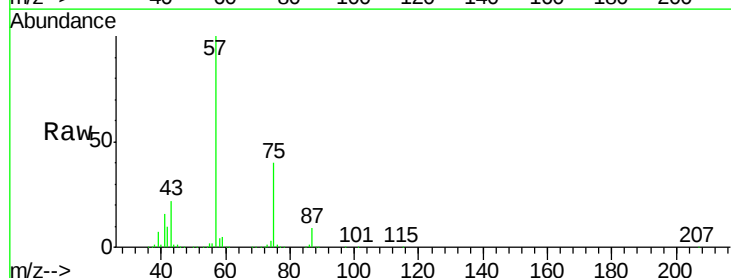
Acq: 19 Nov 2020 20:26

Tgt Ion: 76 Resp: 27308

Ion Ratio Lower Upper

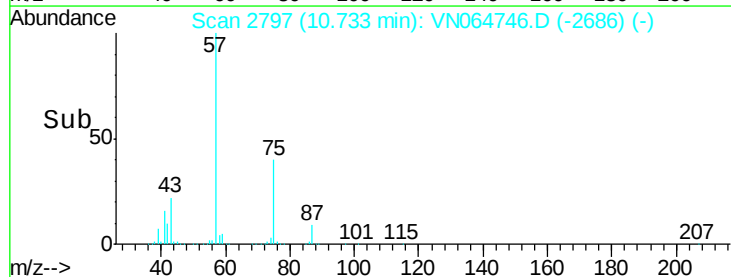
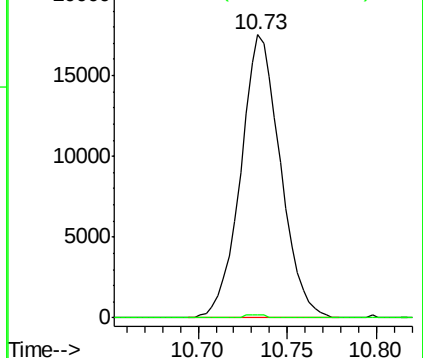
76 100

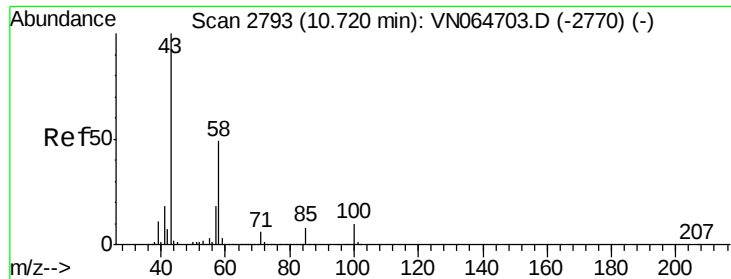
78 0.6 26.4 39.6#



Abundance Ion 75.90 (75.60 to 76.60): VN064746.D (-2686) (-)

Ion 77.90 (77.60 to 78.60): VN064746.D (-2686) (-)

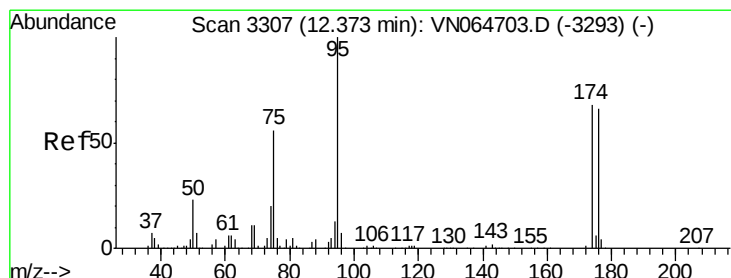
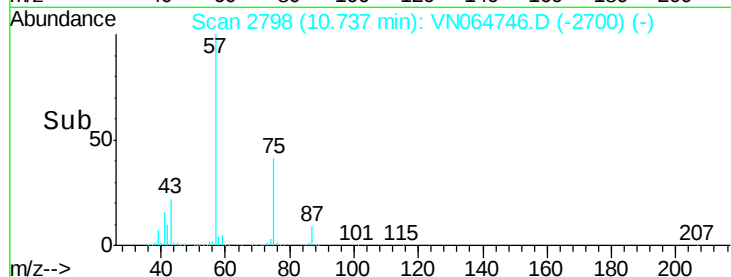
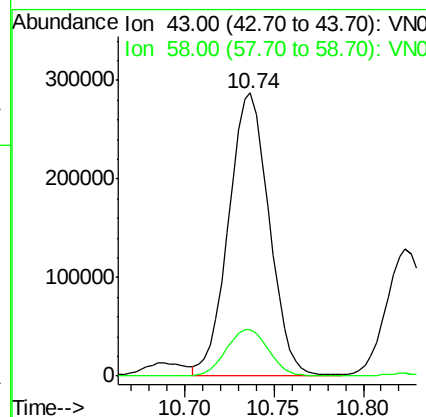
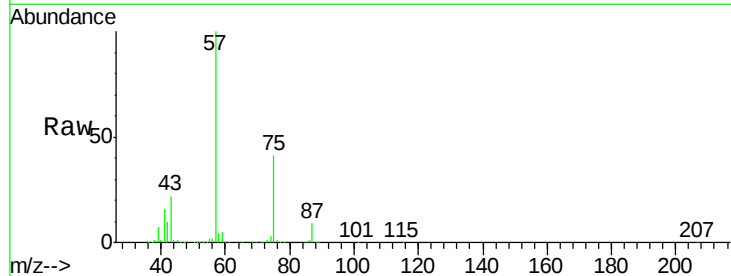




#59
2-Hexanone
Concen: 153.325 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

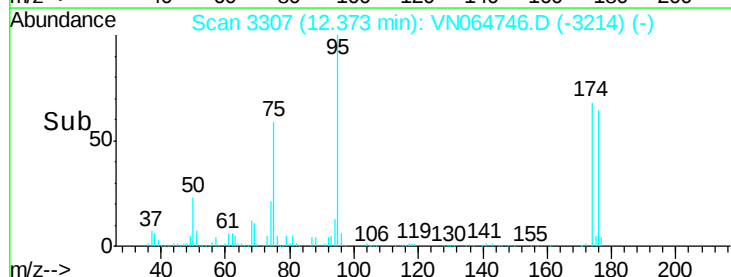
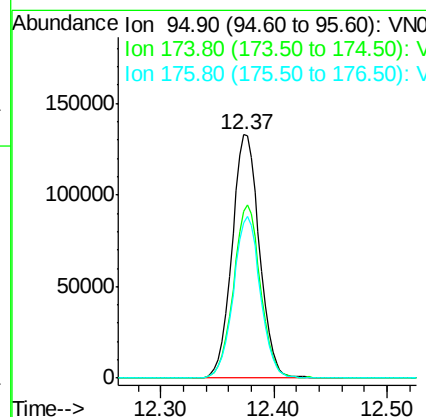
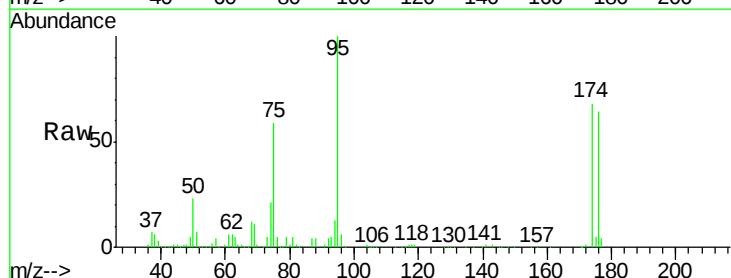
Instrument :
MSVOA_N
ClientSampleId :
PB133072TB

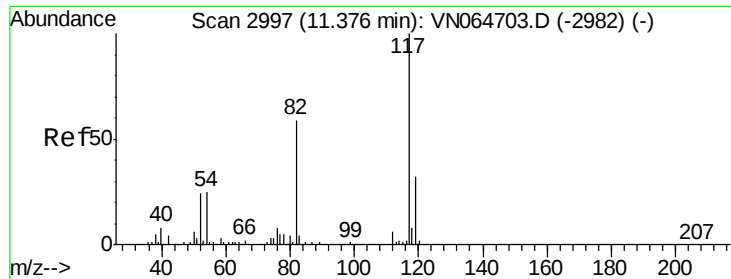
Tot Ion: 43 Resp: 451760
Ion Ratio Lower Upper
43 100
58 17.3 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 56.909 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

Tgt Ion: 95 Resp: 223884
Ion Ratio Lower Upper
95 100
174 69.7 0.0 136.8
176 65.3 0.0 134.2

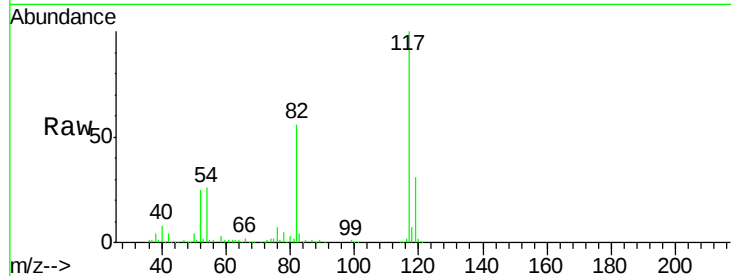




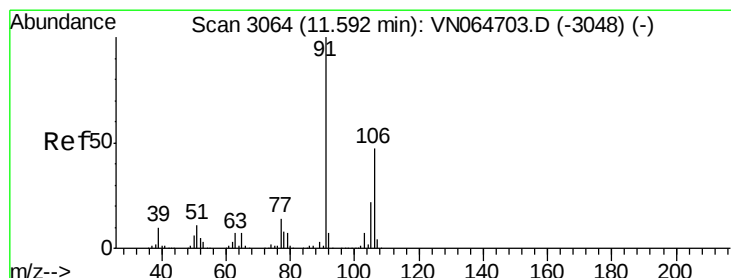
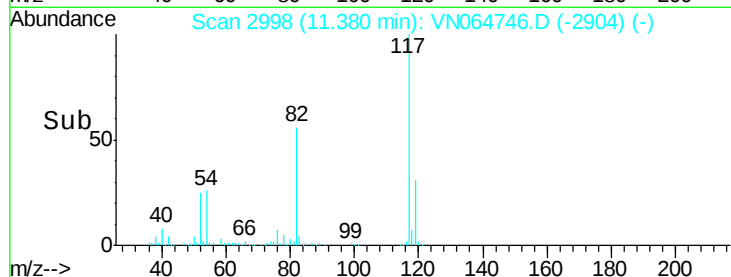
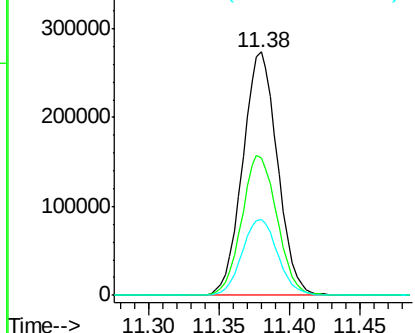
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

Instrument :
MSVOA_N
ClientSampleId :
PB133072TB

Tot Ion:117 Resp: 472853
Ion Ratio Lower Upper
117 100
82 56.3 47.0 70.6
119 31.2 25.4 38.2

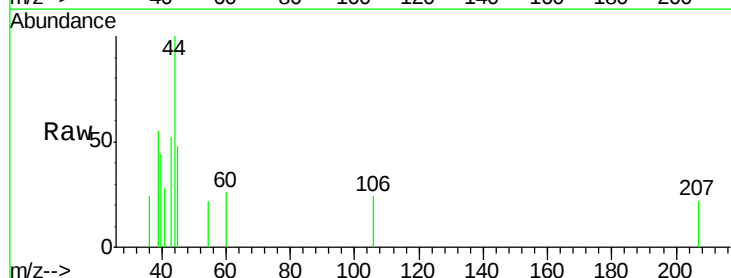


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

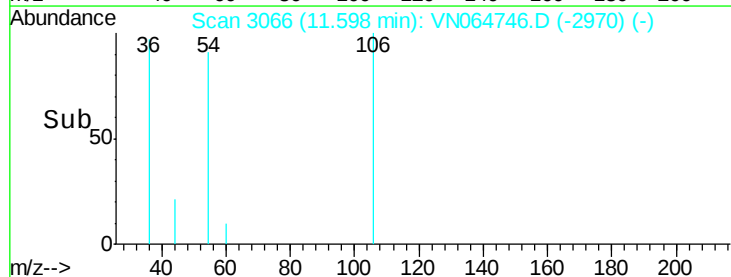
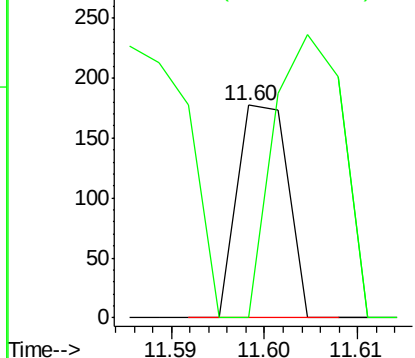


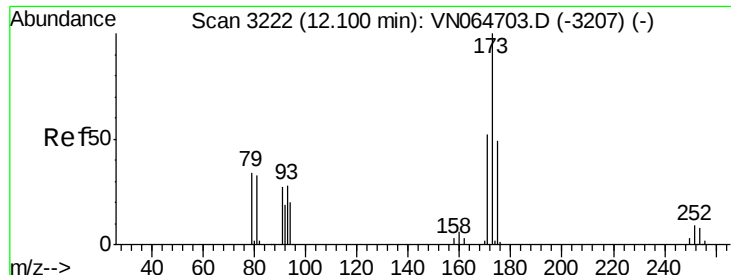
#68
m/p-Xylenes
Concen: 4.071 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.01 min
Lab File: VN064746.D
Acq: 19 Nov 2020 20:26

Tgt Ion:106 Resp: 67
Ion Ratio Lower Upper
106 100
91 179.1 171.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#71

Bromoform

Concen: 2.724 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

PB133072TB

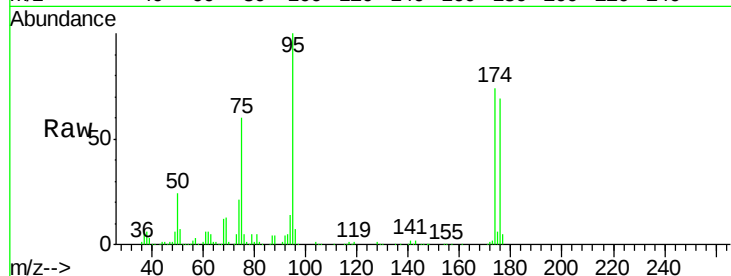
Tot Ion:173 Resp: 853

Ion Ratio Lower Upper

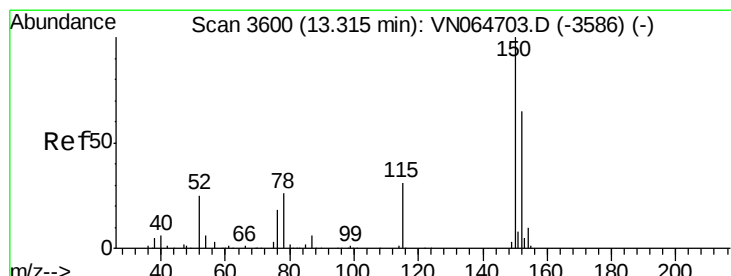
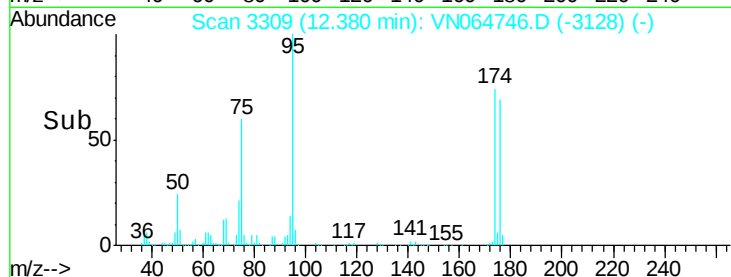
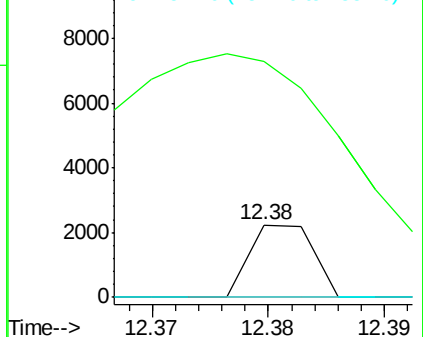
173 100

175 1318.5 24.3 72.9#

254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

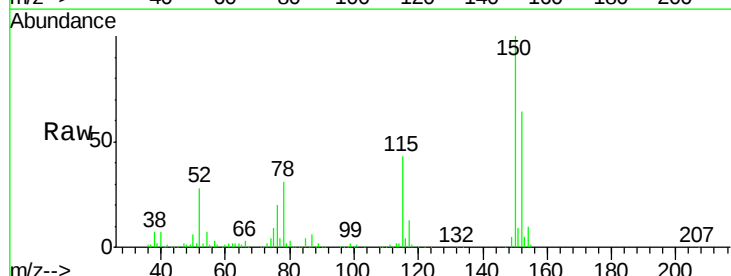
Tgt Ion:152 Resp: 189526

Ion Ratio Lower Upper

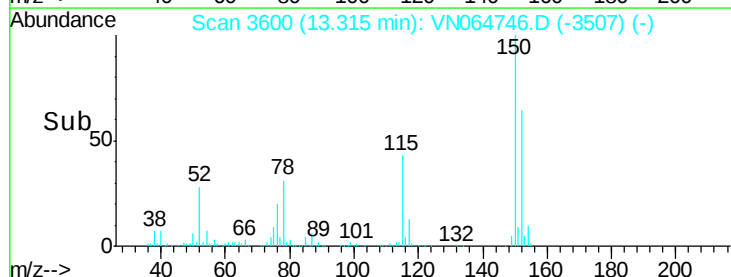
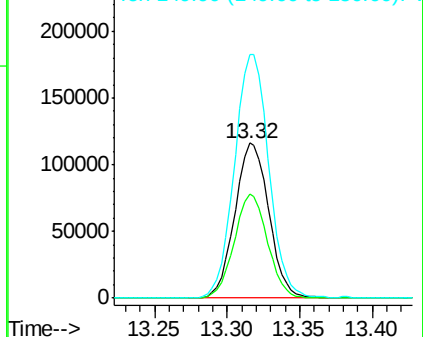
152 100

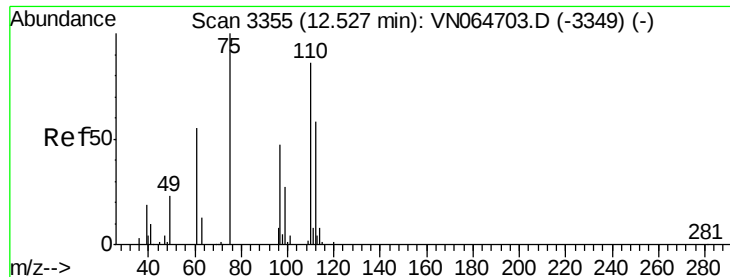
115 65.8 32.1 96.3

150 158.4 0.0 344.8



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





#76

1,2,3-Trichloropropane

Concen: 32.083 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

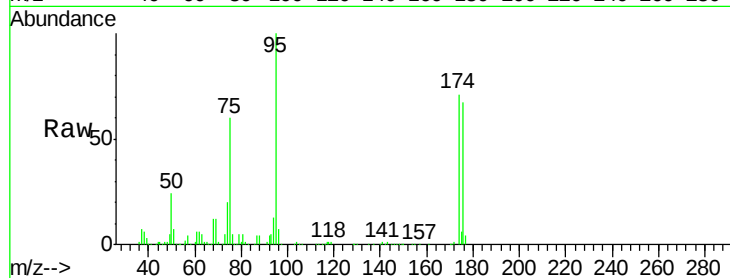
PB133072TB

Tot Ion: 75 Resp: 131016

Ion Ratio Lower Upper

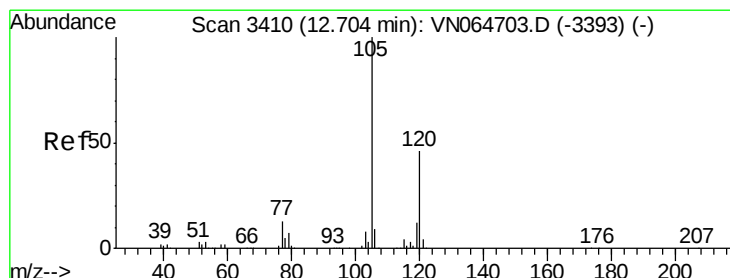
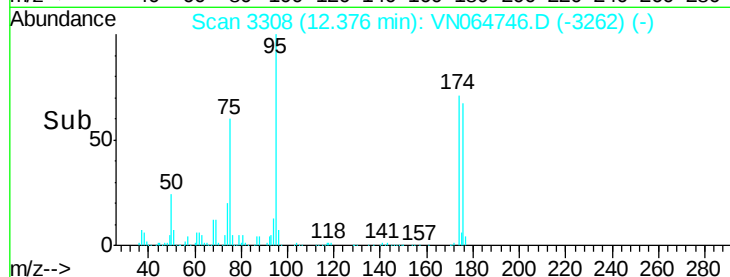
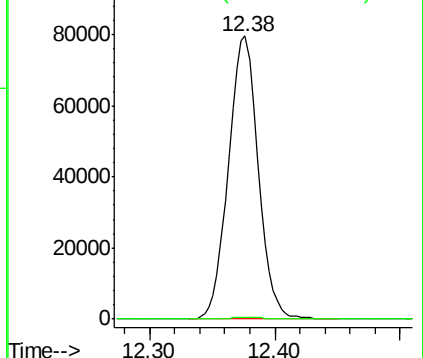
75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064746.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN064746.D (-3262) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.623 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064746.D

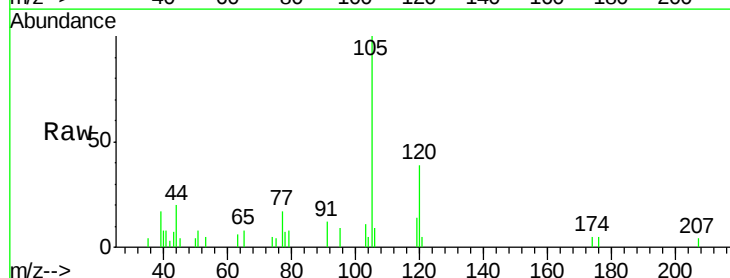
Acq: 19 Nov 2020 20:26

Tgt Ion: 105 Resp: 6963

Ion Ratio Lower Upper

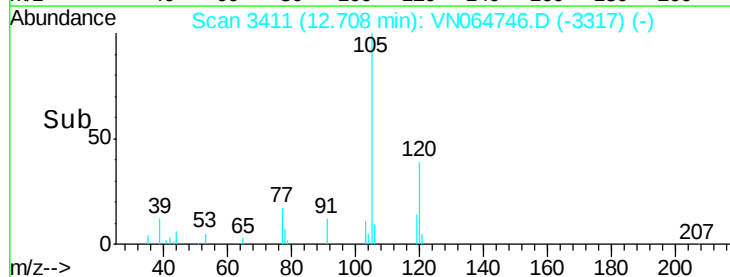
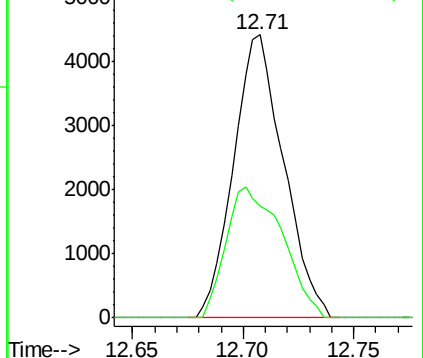
105 100

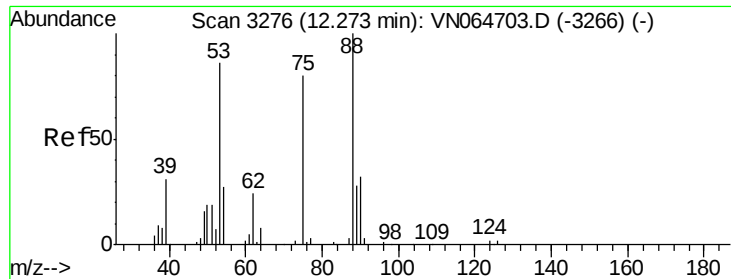
120 51.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064746.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN064746.D (-3317) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 81.680 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064746.D

Acq: 19 Nov 2020 20:26

Instrument :

MSVOA_N

ClientSampleId :

PB133072TB

Tot Ion: 75 Resp: 131016

Ion Ratio Lower Upper

75 100

53 0.1 88.8 133.2#

89 0.0 43.1 64.7#

