

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064562.D
 Acq On : 11 Nov 2020 18:03
 Operator : JC/MD
 Sample : PB132934ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132934ZHE#06

Quant Time: Nov 12 01:33:38 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	233509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	518727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	550634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	192347	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	233645	57.44	ug/l	0.00
Spiked Amount			Recovery	=	114.88%	
35) Dibromofluoromethane	7.55	113	175114	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.06	98	667450	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.38	95	249677	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

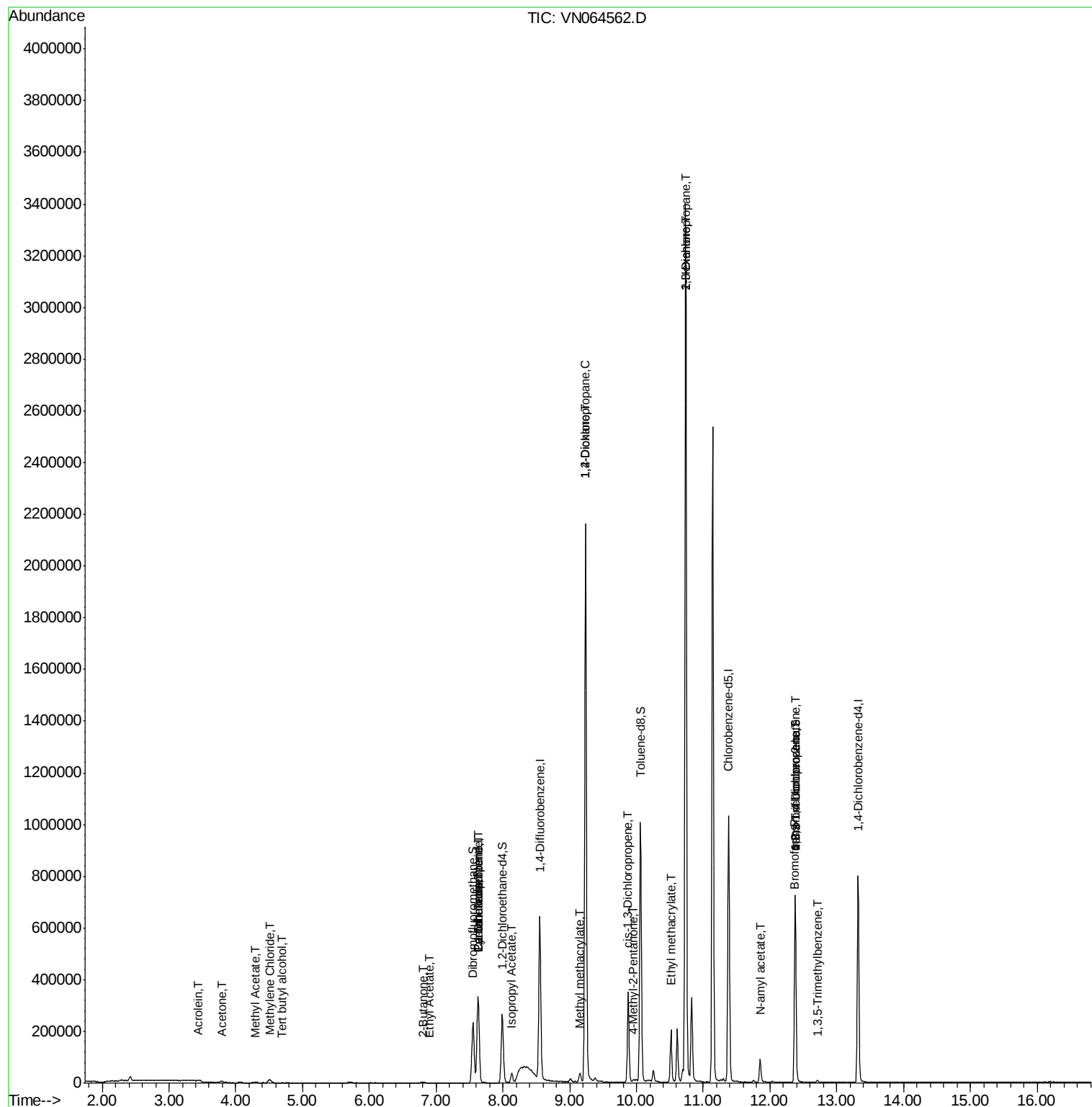
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	97	0.216	ug/l #	71
13) Acrolein	3.44	56	295	1.060	ug/l #	15
16) Acetone	3.79	43	8740	5.641	ug/l #	77
18) Methyl Acetate	4.29	43	1367	0.449	ug/l #	74
20) Methylene Chloride	4.51	84	8918	2.901	ug/l	92
25) 2-Butanone	6.80	43	679	0.344	ug/l #	52
31) Cyclohexane	7.62	56	7187	1.454	ug/l #	44
36) 1,1-Dichloropropene	7.63	75	22983	4.194	ug/l #	47
37) Ethyl Acetate	6.90	43	457	0.843	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26684	4.556	ug/l #	18
43) Isopropyl Acetate	8.13	43	44749	5.039	ug/l #	95
45) 1,2-Dichloropropane	9.24	63	2567	0.597	ug/l #	45
48) Methyl methacrylate	9.15	41	8598	1.919	ug/l #	15
49) 1,4-Dioxane	9.24	88	138	2.338	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	7185	1.387	ug/l	98
54) cis-1,3-Dichloropropene	9.88	75	54072	7.844	ug/l #	69
56) Ethyl methacrylate	10.51	69	862	1.973	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	31755	4.750	ug/l #	43
59) 2-Hexanone	10.74	43	519262	125.002	ug/l #	53
71) Bromoform	12.36	173	56	1.291	ug/l #	1
74) N-amyl acetate	11.85	43	28635	4.982	ug/l #	55
76) 1,2,3-Trichloropropane	12.38	75	136760	29.345	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2707	0.215	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	136760	81.935	ug/l #	8

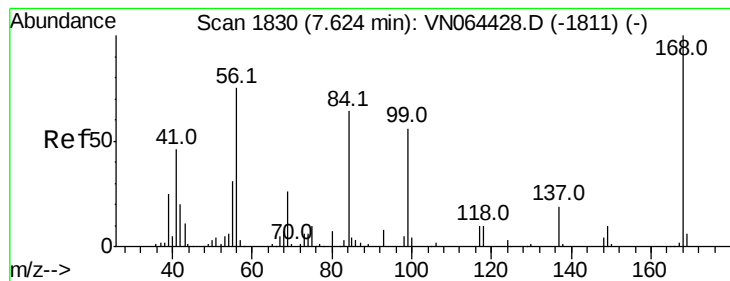
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111120\
Data File : VN064562.D
Acq On : 11 Nov 2020 18:03
Operator : JC/MD
Sample : PB132934ZHE#06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#06

Quant Time: Nov 12 01:33:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
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: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

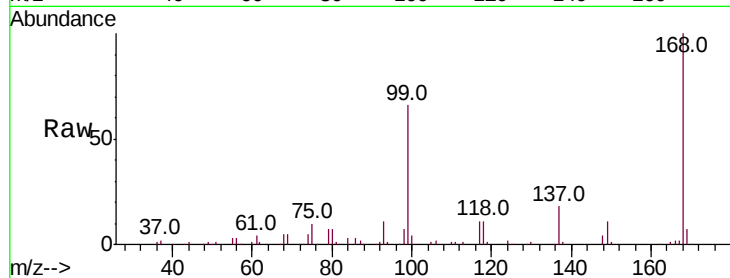
PB132934ZHE#06

Tot Ion:168 Resp: 233509

Ion Ratio Lower Upper

168 100

99 66.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064428.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064428.D (-1811) (-)

7.63

100000

80000

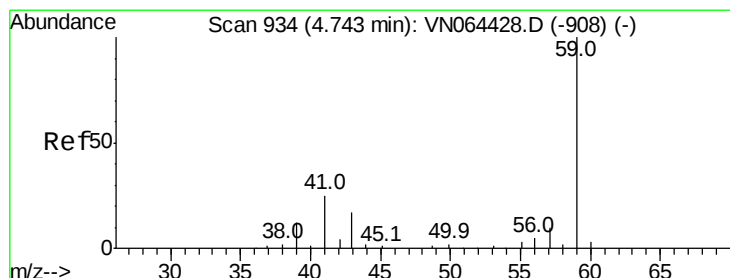
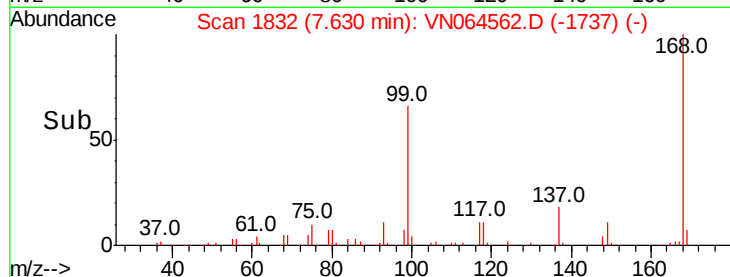
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.216 ug/l

RT: 4.70 min Scan# 922

Delta R.T. -0.04 min

Lab File: VN064562.D

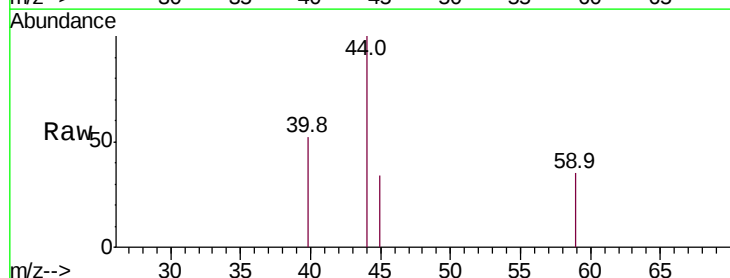
Acq: 11 Nov 2020 18:03

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064428.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN064428.D (-908) (-)

4.70

300

250

200

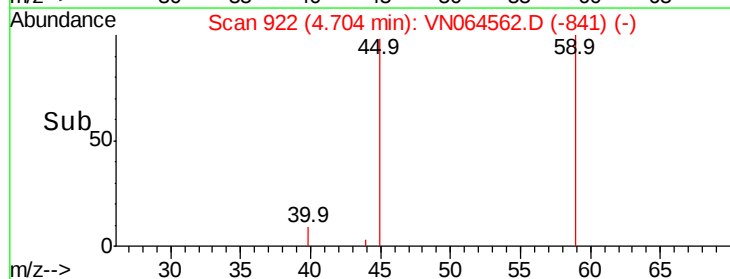
150

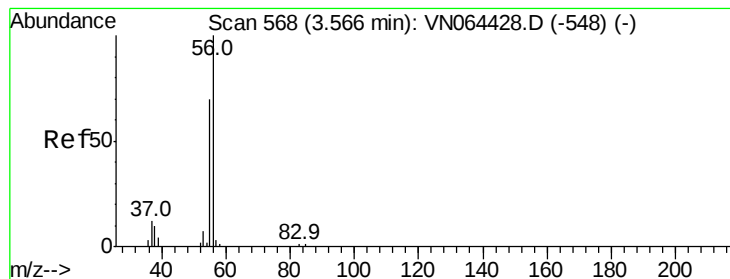
100

50

0

Time-->





#13

Acrolein

Concen: 1.060 ug/l

RT: 3.44 min Scan# 529

Delta R.T. -0.13 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

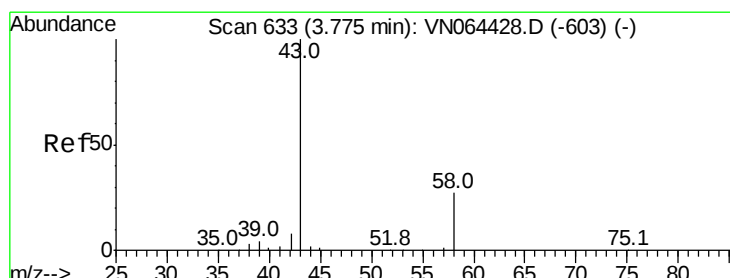
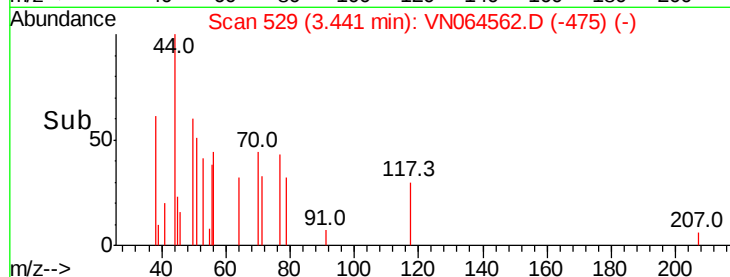
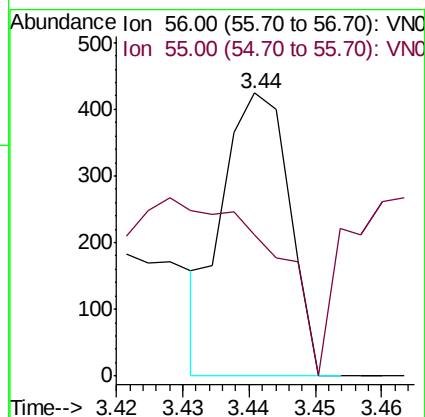
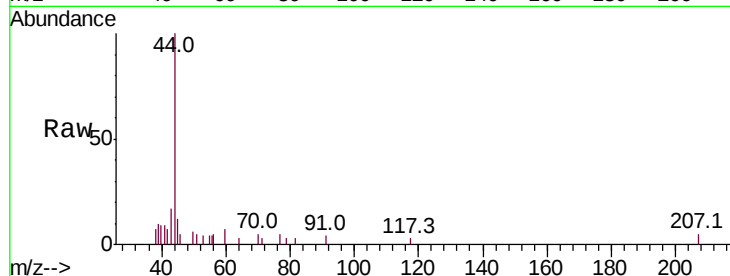
PB132934ZHE#06

Tot Ion: 56 Resp: 295

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



#16

Acetone

Concen: 5.641 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064562.D

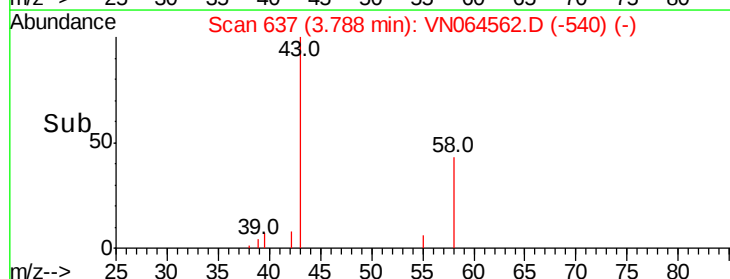
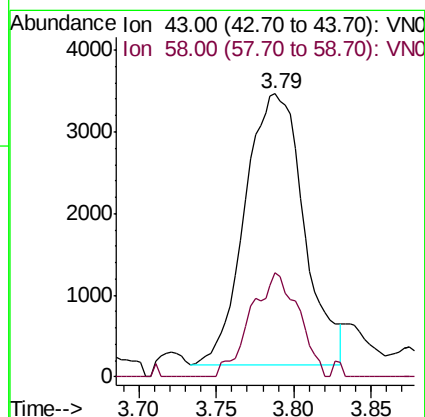
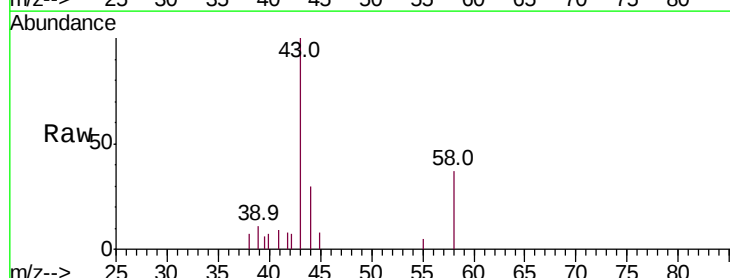
Acq: 11 Nov 2020 18:03

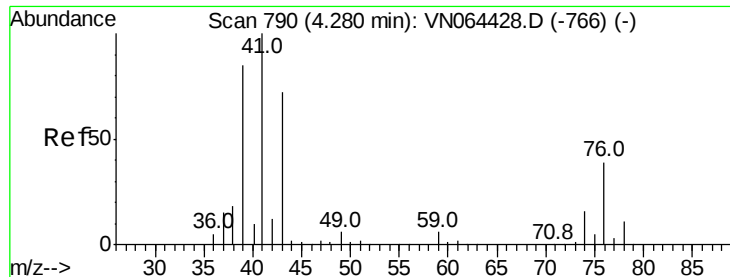
Tgt Ion: 43 Resp: 8740

Ion Ratio Lower Upper

43 100

58 38.4 21.4 32.0#

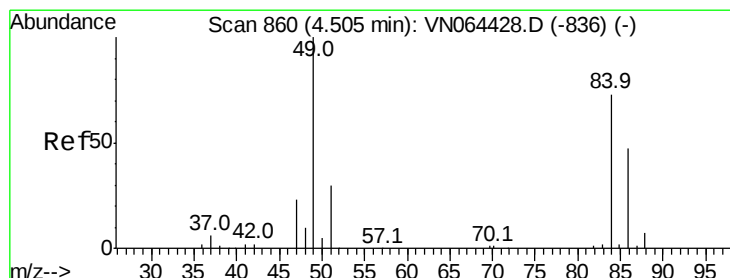
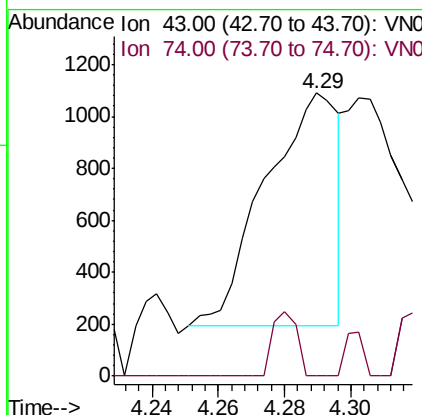
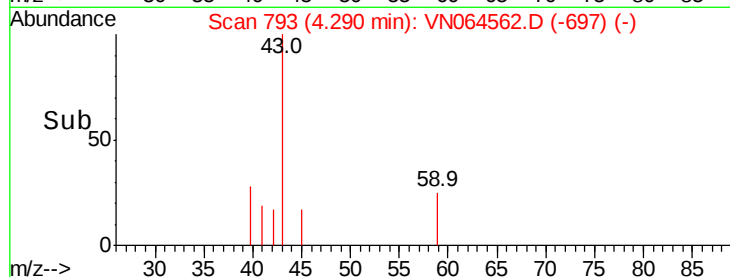
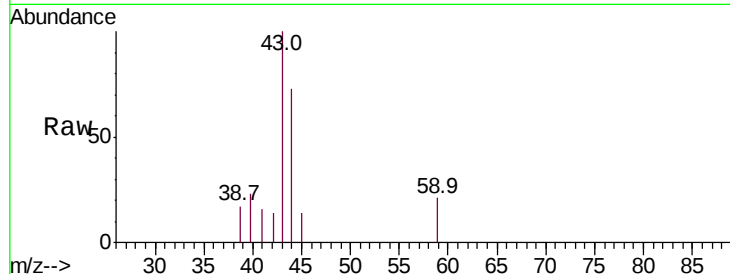




#18
Methyl Acetate
Concen: 0.449 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

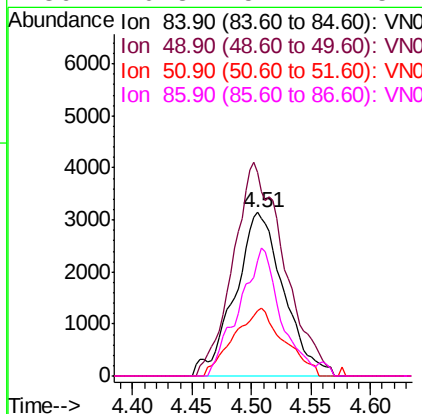
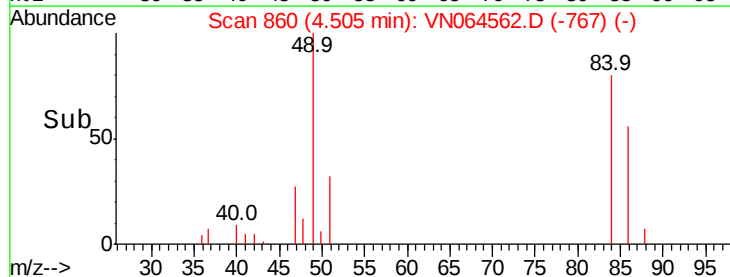
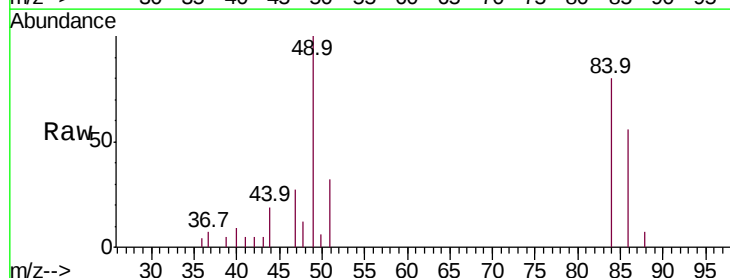
Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#06

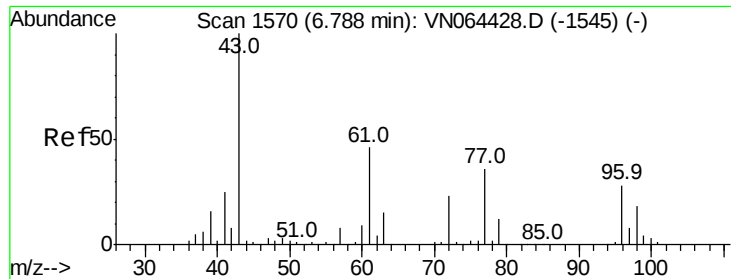
Tot Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
74 9.2 17.0 25.4#



#20
Methylene Chloride
Concen: 2.901 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

Tgt Ion: 84 Resp: 8918
Ion Ratio Lower Upper
84 100
49 124.6 110.1 165.1
51 39.9 33.6 50.4
86 70.3 52.1 78.1

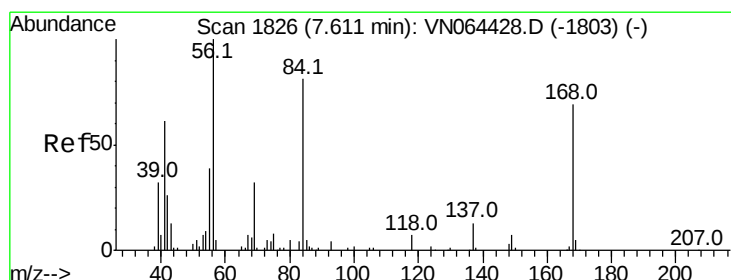
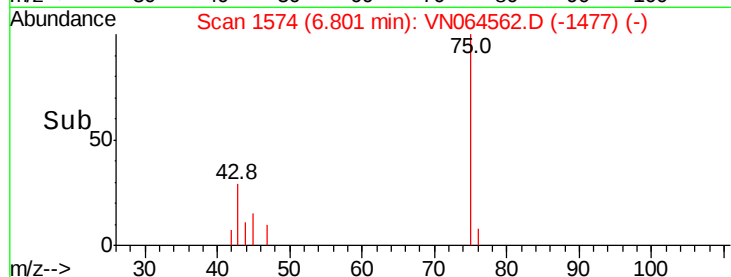
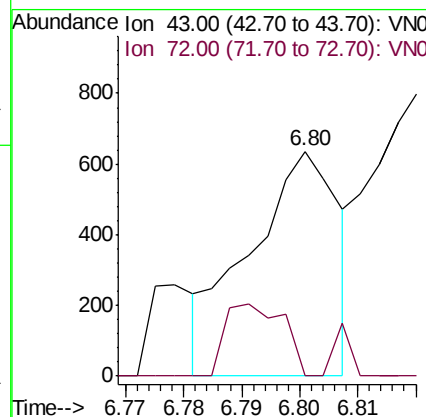
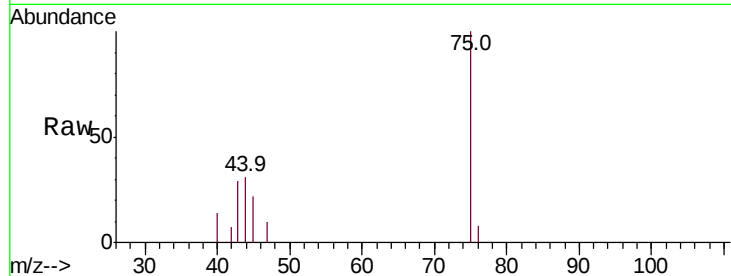




#25
2-Butanone
Concen: 0.344 ug/l
RT: 6.80 min Scan# 1574
Delta R.T. 0.01 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

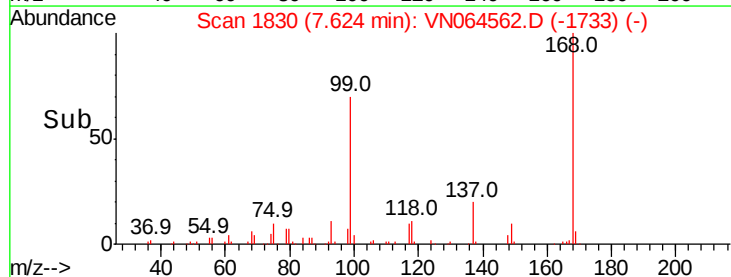
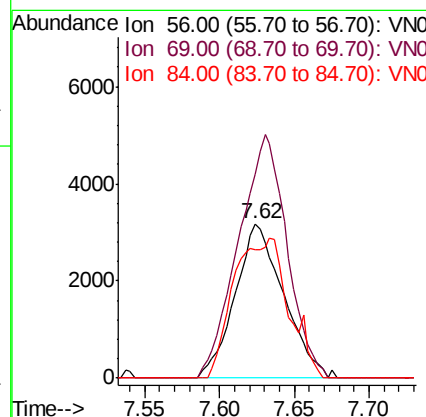
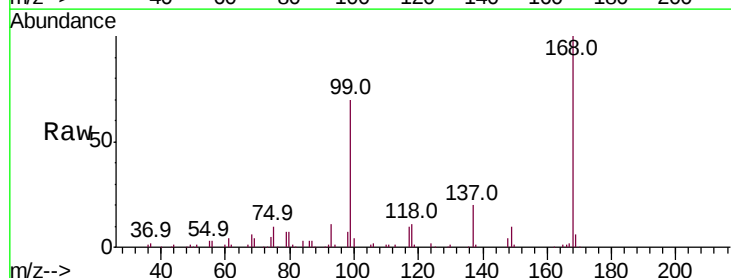
Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#06

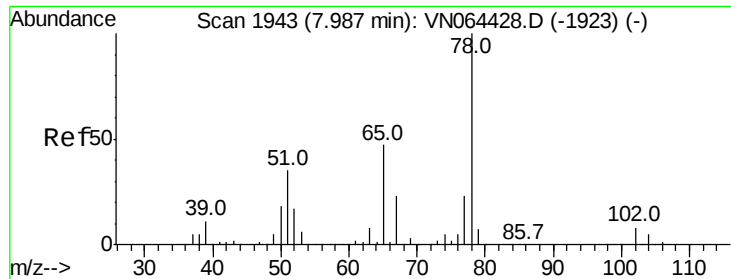
Tot Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
72 0.0 18.5 27.7#



#31
Cyclohexane
Concen: 1.454 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

Tgt Ion: 56 Resp: 7187
Ion Ratio Lower Upper
56 100
69 132.4 25.6 38.4#
84 83.3 63.0 94.6

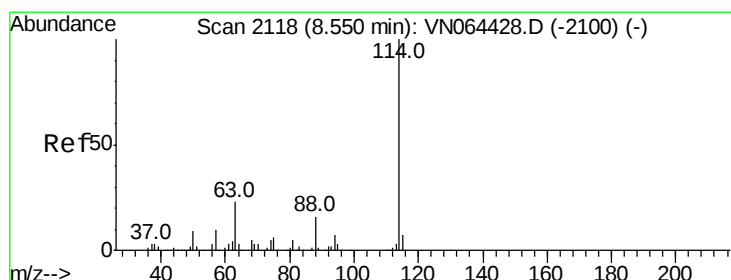
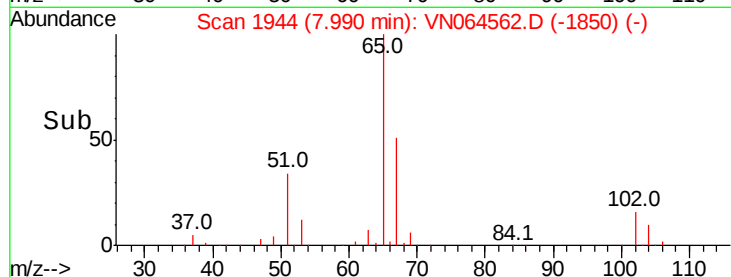
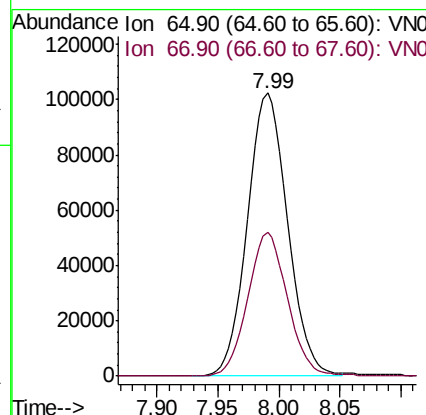
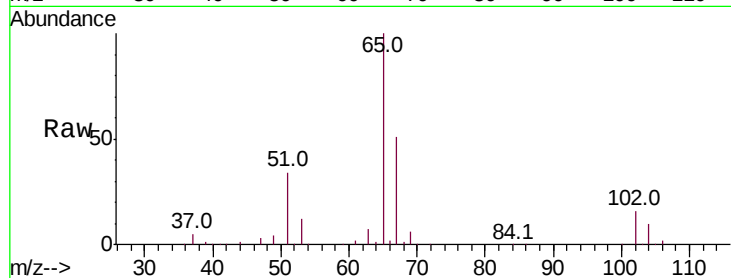




#33
 1,2-Dichloroethane-d4
 Concen: 57.444 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064562.D
 Acq: 11 Nov 2020 18:03

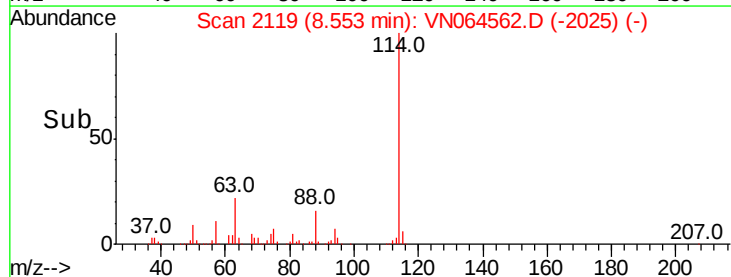
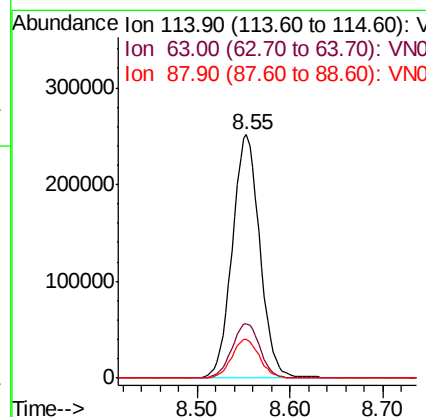
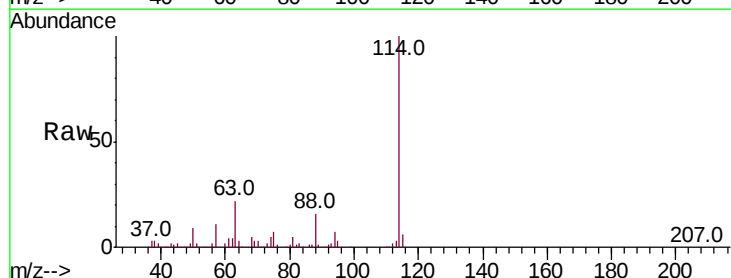
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132934ZHE#06

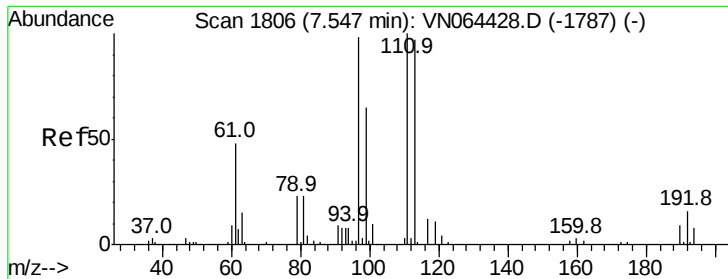
Tot Ion: 65 Resp: 233645
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064562.D
 Acq: 11 Nov 2020 18:03

Tgt Ion: 114 Resp: 518727
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.6
 88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.582 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#06

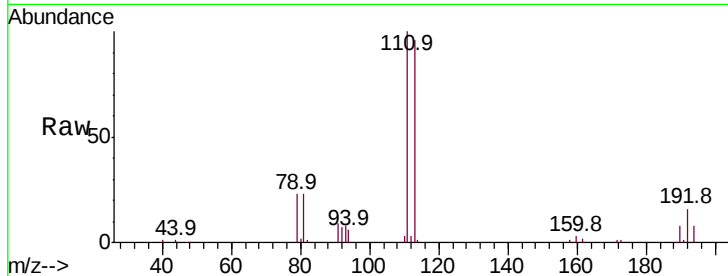
Tot Ion:113 Resp: 175114

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

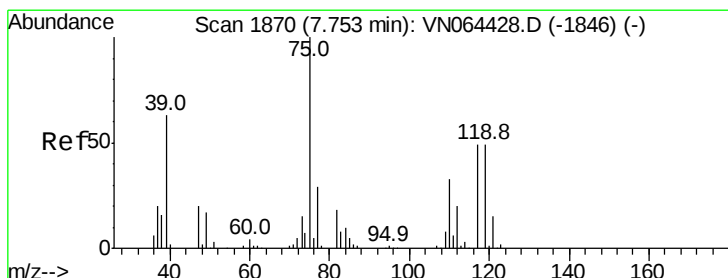
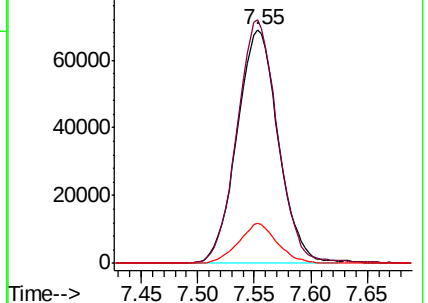
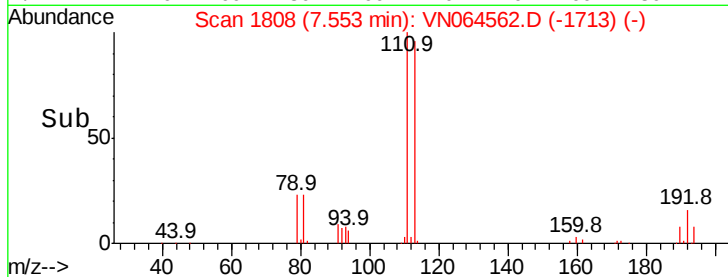
192 16.1 12.8 19.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.194 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

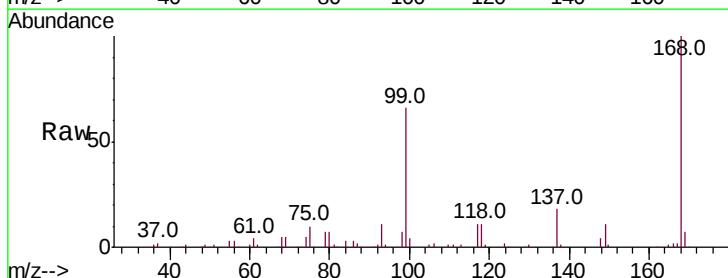
Tgt Ion: 75 Resp: 22983

Ion Ratio Lower Upper

75 100

110 3.9 16.0 48.0#

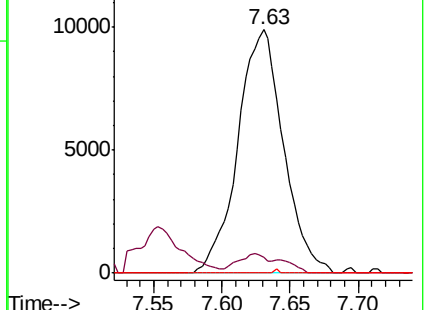
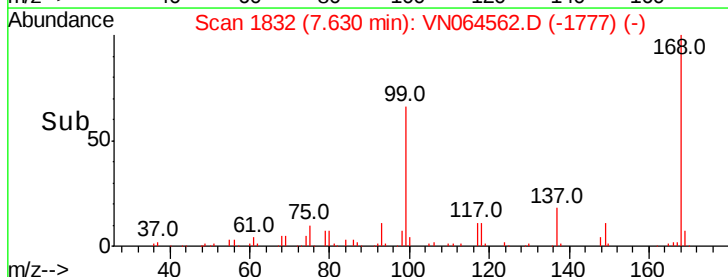
77 0.1 24.0 36.0#

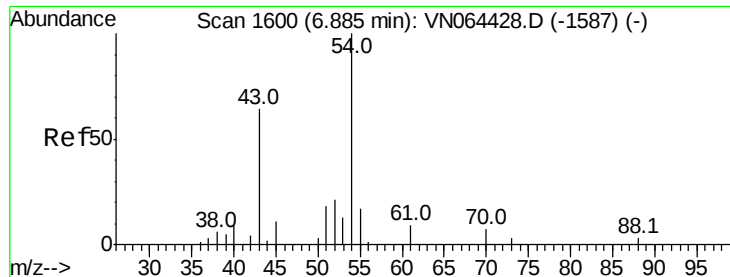


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 0.843 ug/l

RT: 6.90 min Scan# 1606

Delta R.T. 0.02 min

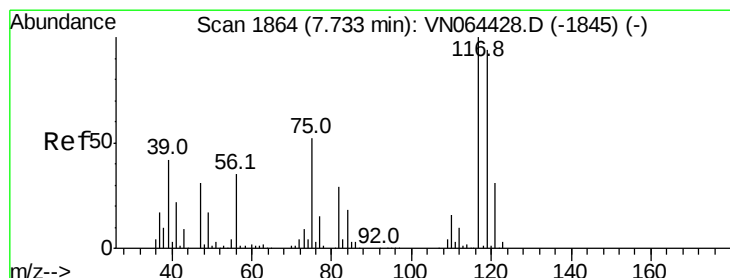
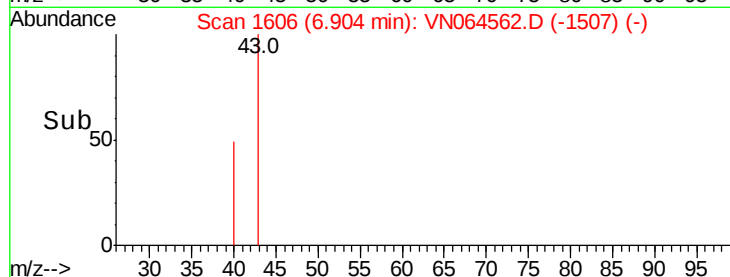
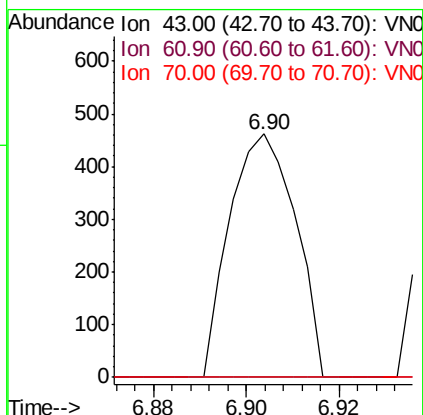
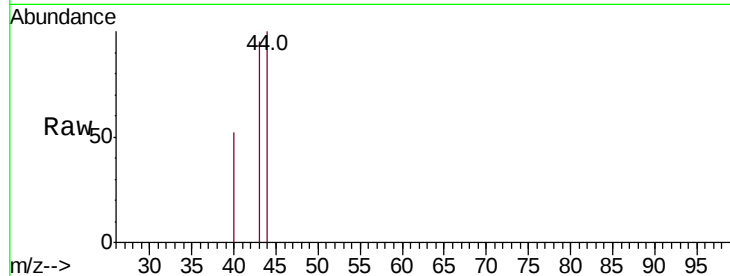
Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#06

Tot Ion: 43 Resp: 457

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 4.556 ug/l

RT: 7.63 min Scan# 1832

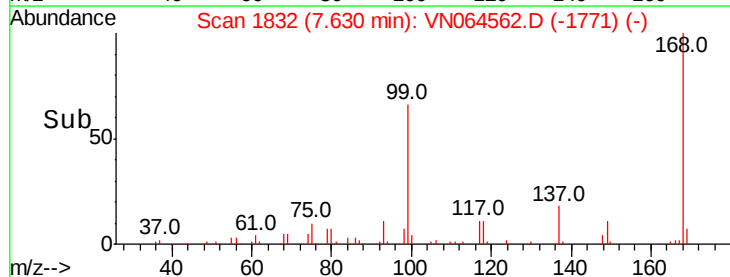
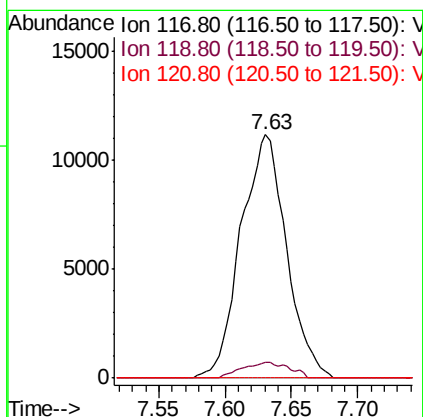
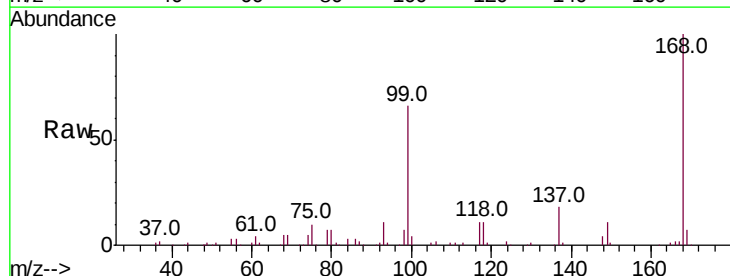
Delta R.T. -0.10 min

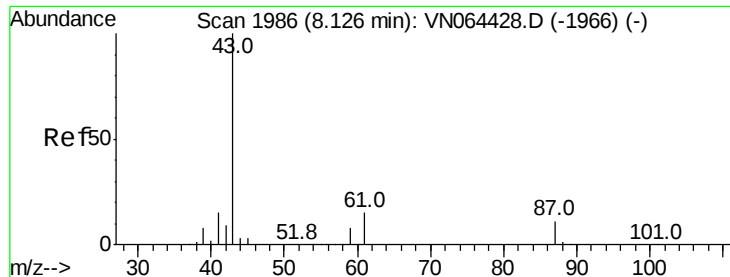
Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Tgt Ion: 117 Resp: 26684

Ion	Ratio	Lower	Upper
117	100		
119	6.4	75.5	113.3#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 5.039 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#06

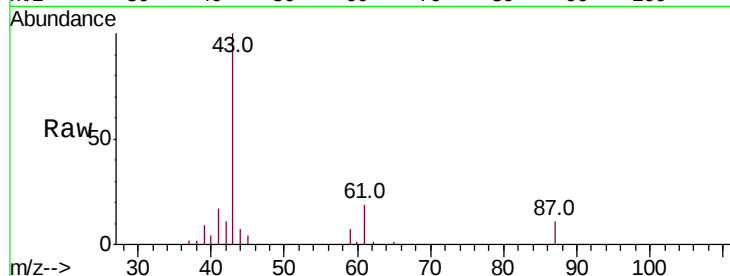
Tot Ion: 43 Resp: 44749

Ion Ratio Lower Upper

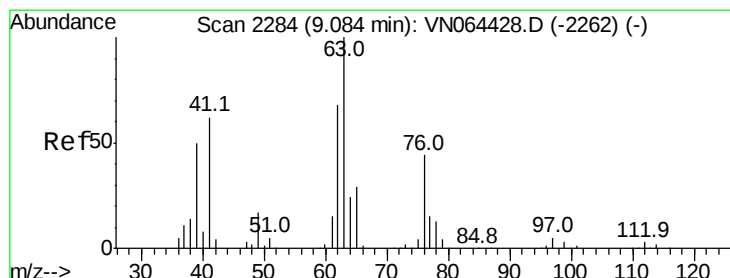
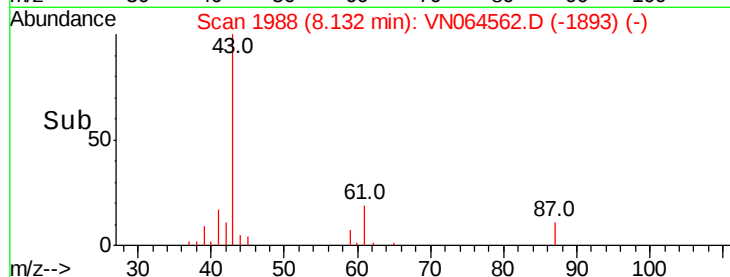
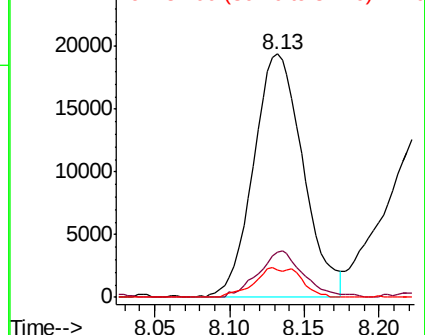
43 100

61 17.5 14.0 21.0

87 6.9 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#45

1,2-Dichloropropane

Concen: 0.597 ug/l

RT: 9.24 min Scan# 2333

Delta R.T. 0.16 min

Lab File: VN064562.D

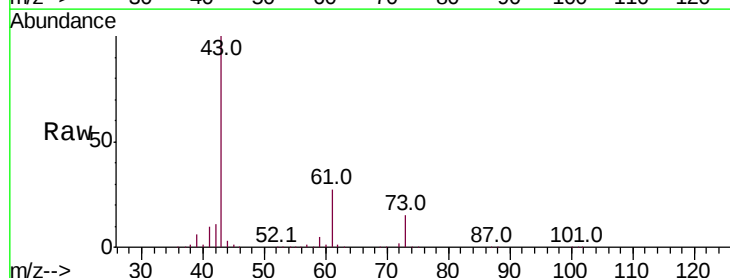
Acq: 11 Nov 2020 18:03

Tgt Ion: 63 Resp: 2567

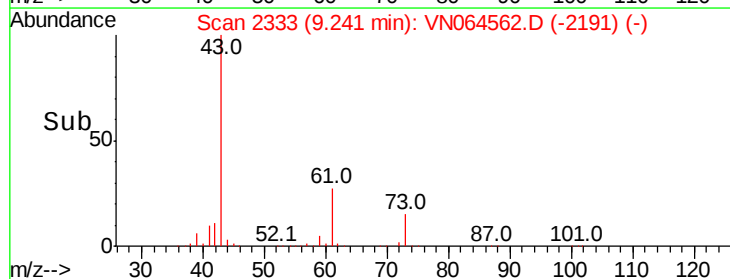
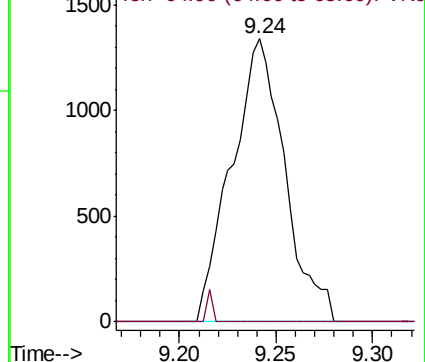
Ion Ratio Lower Upper

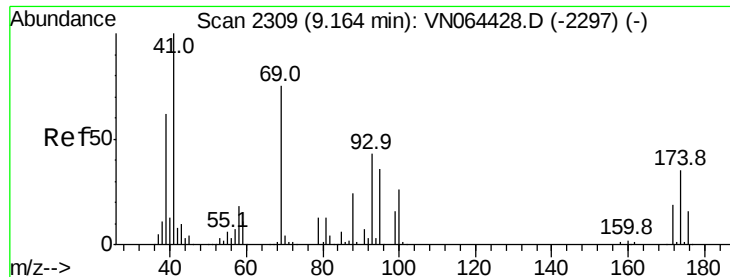
63 100

65 0.0 23.6 35.4#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO





#48

Methyl methacrylate

Concen: 1.919 ug/l

RT: 9.15 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#06

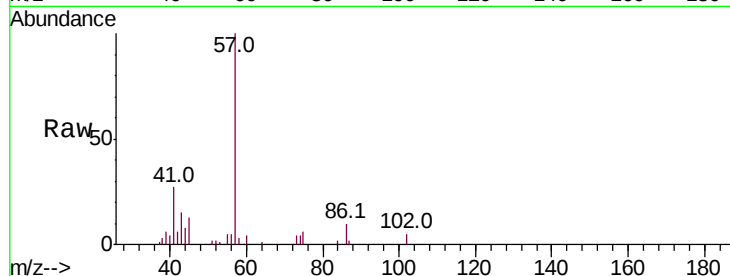
Tot Ion: 41 Resp: 8598

Ion Ratio Lower Upper

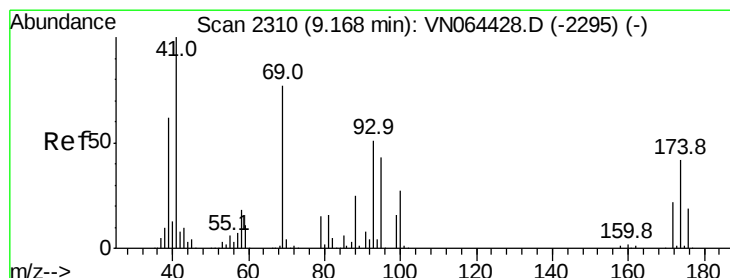
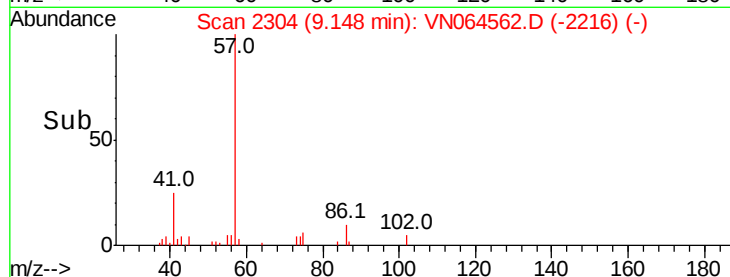
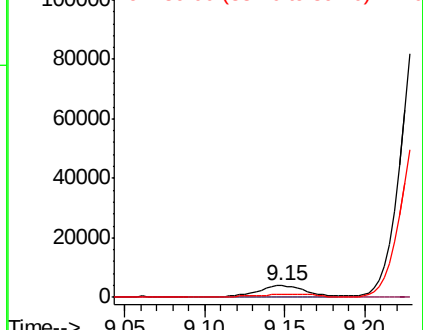
41 100

69 0.0 60.4 90.6#

39 0.0 51.2 76.8#



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



#49

1,4-Dioxane

Concen: 2.338 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.07 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

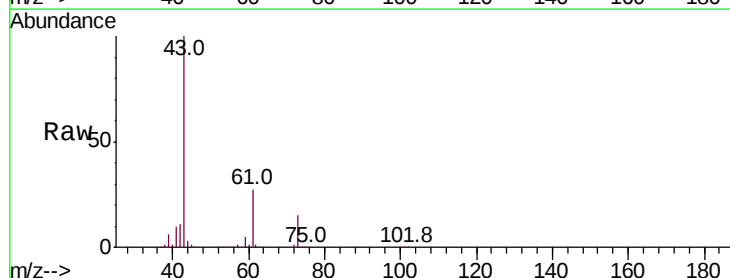
Tgt Ion: 88 Resp: 138

Ion Ratio Lower Upper

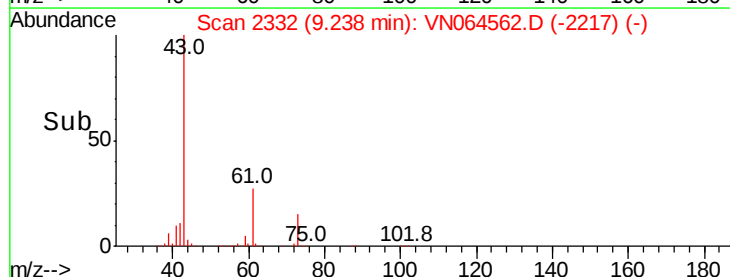
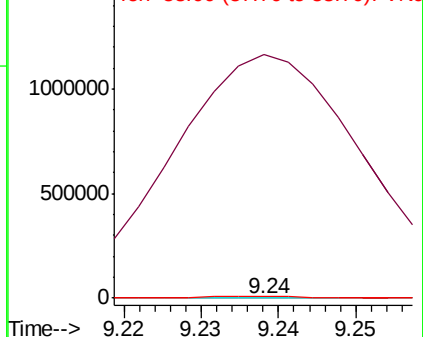
88 100

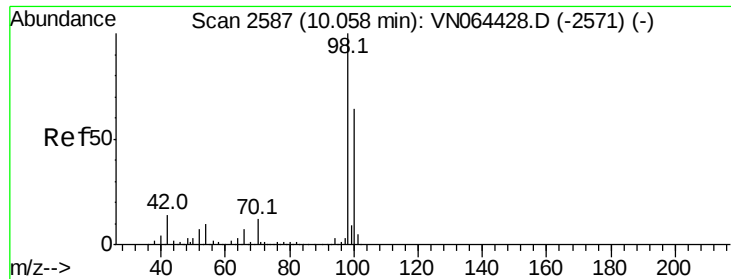
43 1546821.7 31.0 46.6#

58 8258.7 58.4 87.6#



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

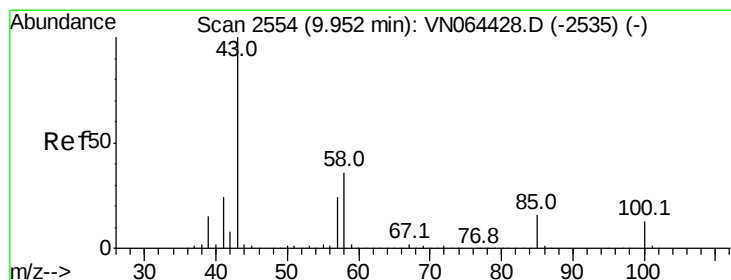
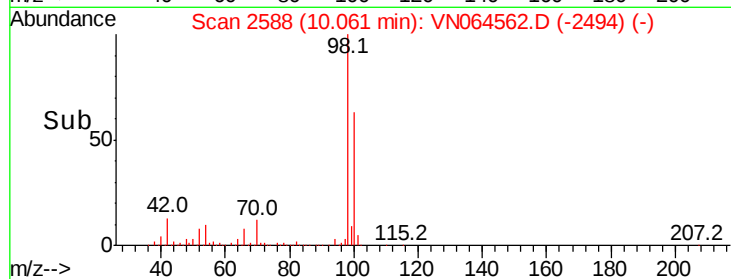
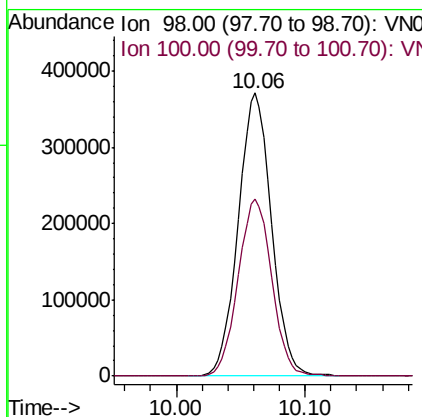
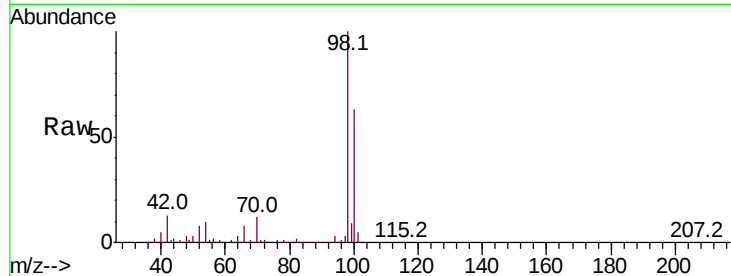




#50
Toluene-d8
Concen: 48.896 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

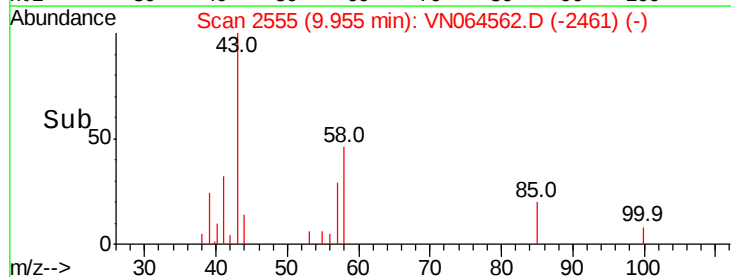
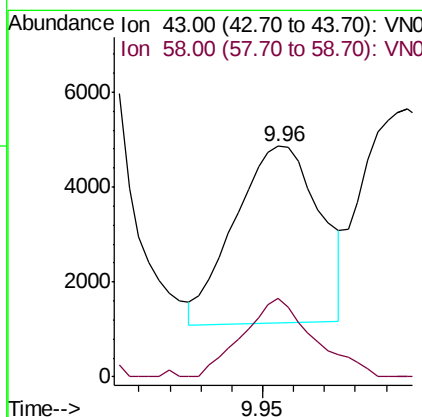
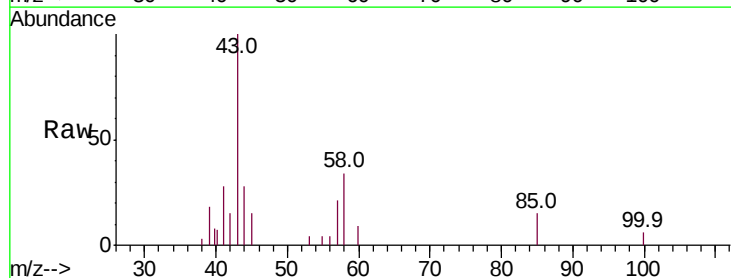
Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#06

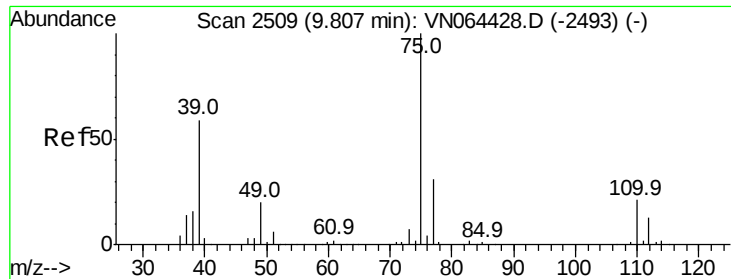
Tot Ion: 98 Resp: 667450
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.387 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

Tgt Ion: 43 Resp: 7185
Ion Ratio Lower Upper
43 100
58 36.8 28.4 42.6



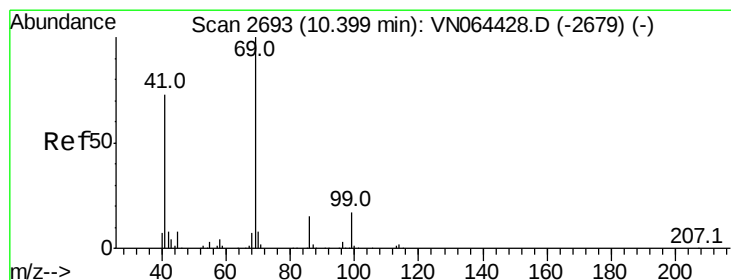
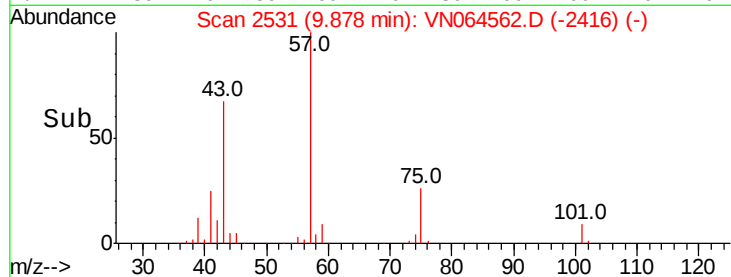
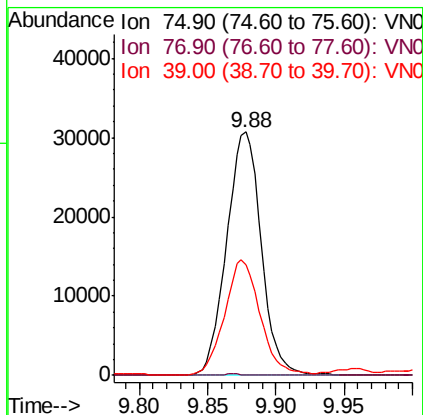
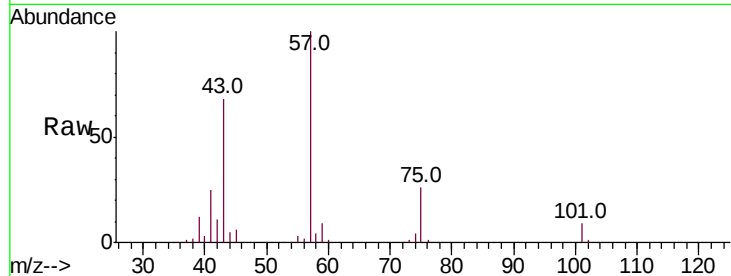


#54

cis-1,3-Dichloropropene
Concen: 7.844 ug/l
RT: 9.88 min Scan# 2531
Delta R.T. 0.07 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#06

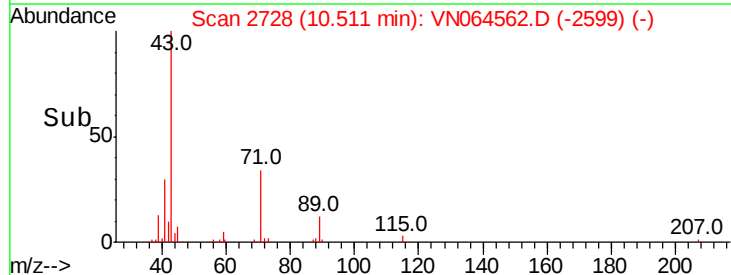
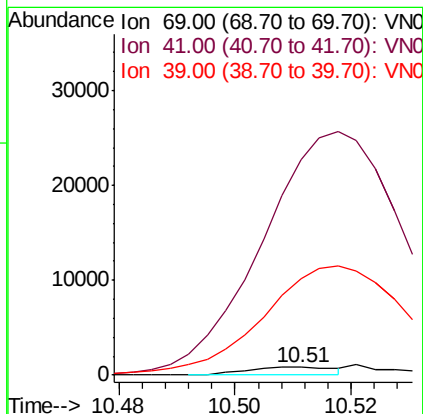
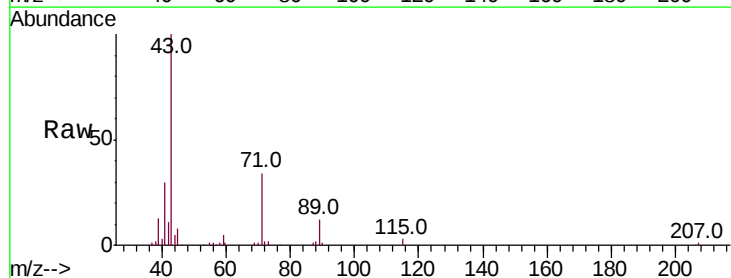
Tot Ion: 75 Resp: 54072
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 45.6 47.1 70.7#

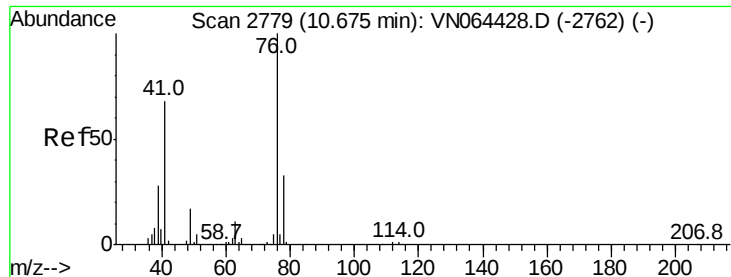


#56

Ethyl methacrylate
Concen: 1.973 ug/l
RT: 10.51 min Scan# 2728
Delta R.T. 0.11 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

Tgt Ion: 69 Resp: 862
Ion Ratio Lower Upper
69 100
41 5220.0 59.3 88.9#
39 2388.9 35.4 53.0#





#57

1,3-Dichloropropane

Concen: 4.750 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

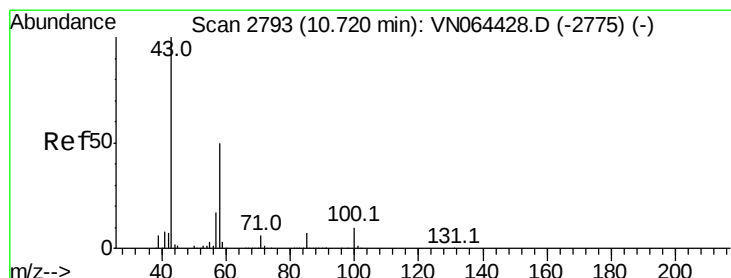
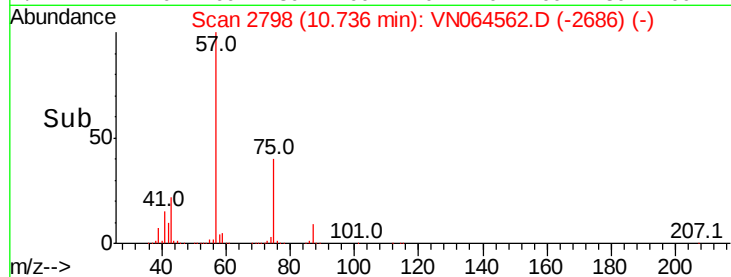
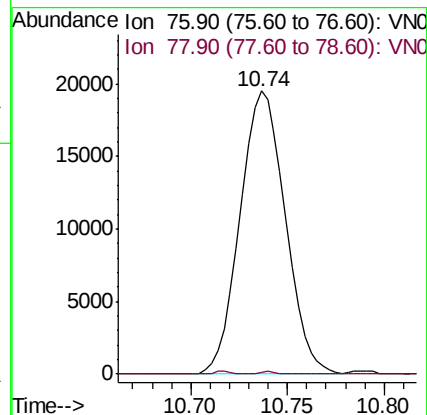
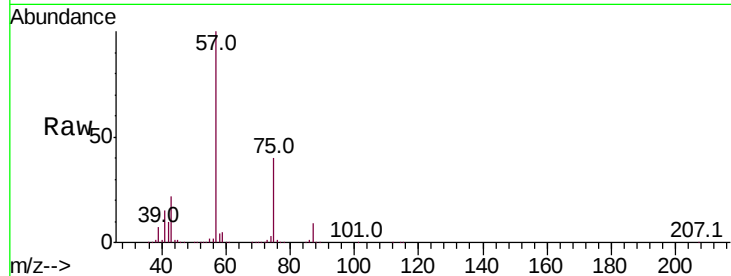
PB132934ZHE#06

Tot Ion: 76 Resp: 31755

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.6#



#59

2-Hexanone

Concen: 125.002 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064562.D

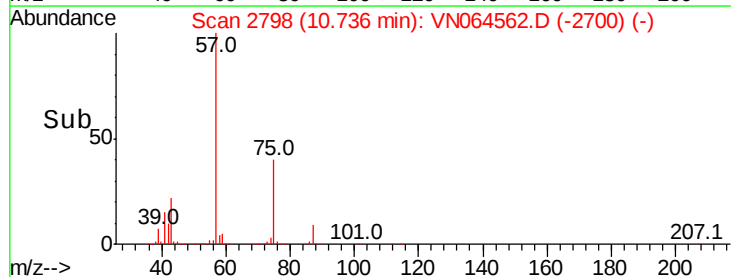
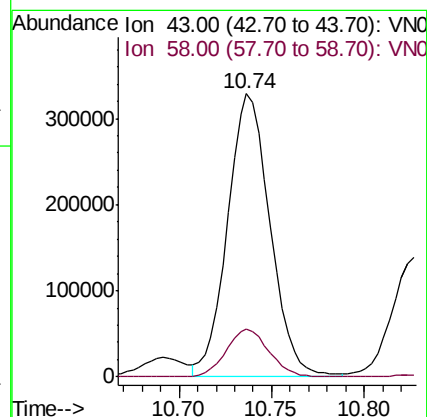
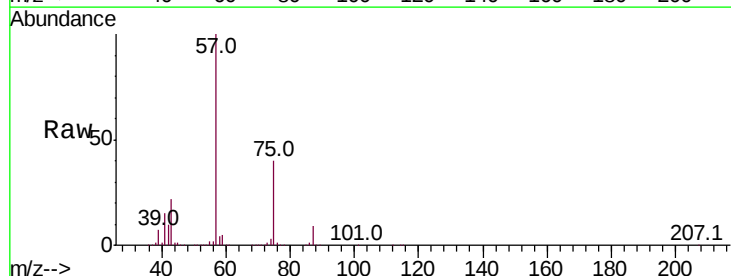
Acq: 11 Nov 2020 18:03

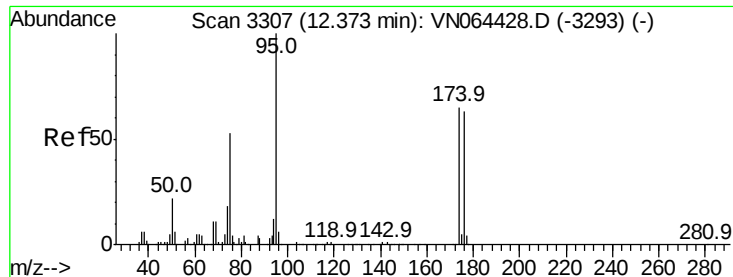
Tgt Ion: 43 Resp: 519262

Ion Ratio Lower Upper

43 100

58 17.2 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 48.364 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#06

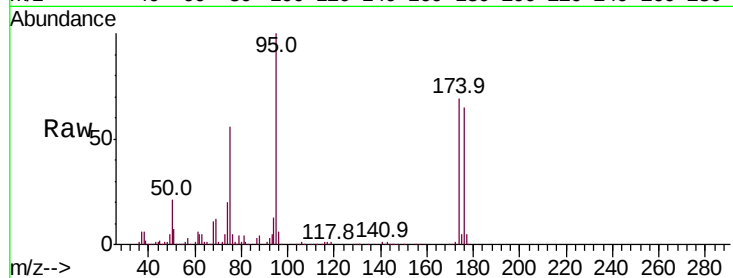
Tot Ion: 95 Resp: 249677

Ion Ratio Lower Upper

95 100

174 70.2 0.0 132.6

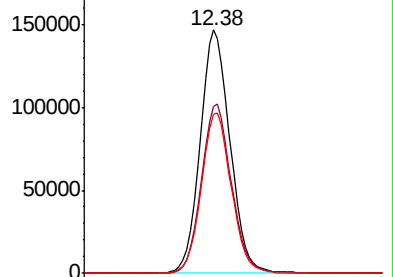
176 65.9 0.0 129.2



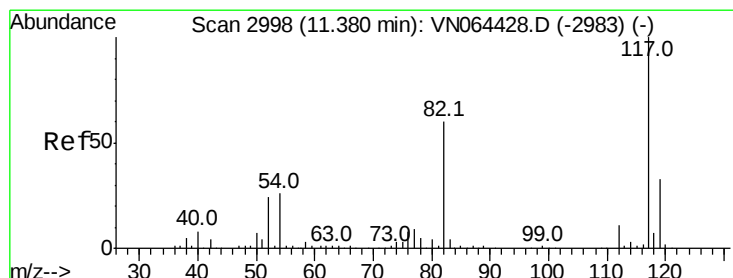
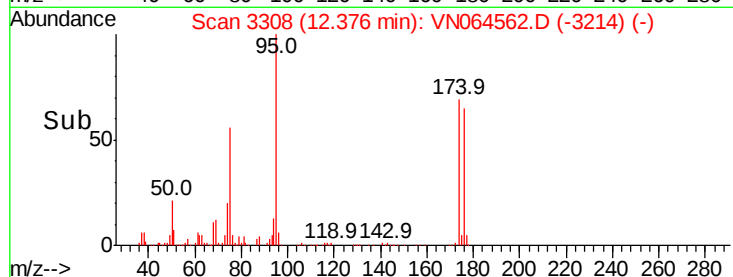
Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

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

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



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

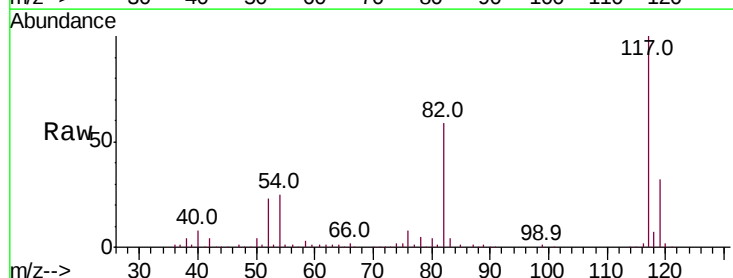
Tgt Ion: 117 Resp: 550634

Ion Ratio Lower Upper

117 100

82 58.9 48.1 72.1

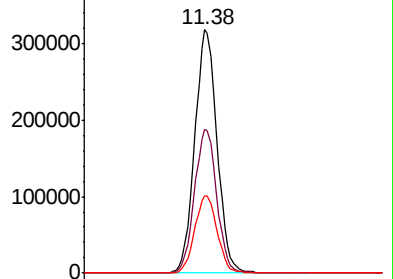
119 31.9 26.2 39.4



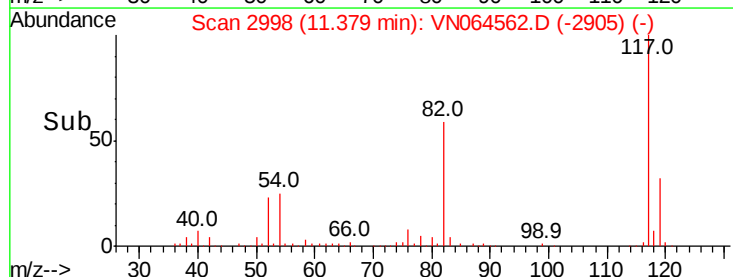
Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

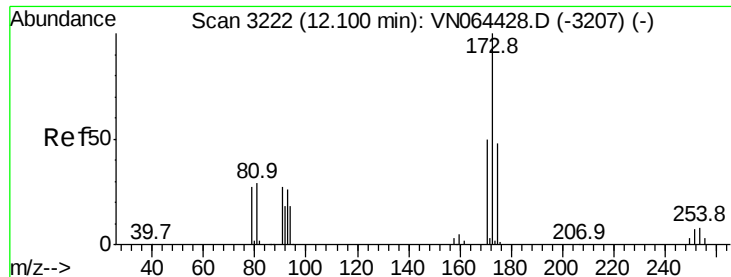
Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

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



Time-->

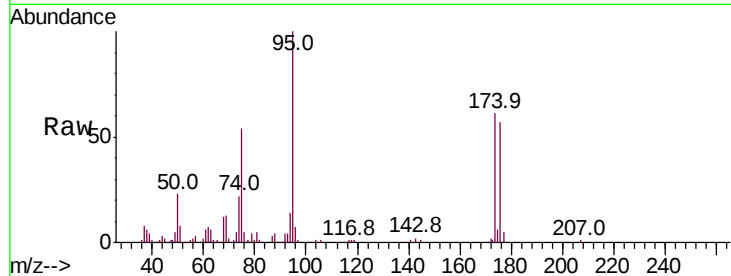




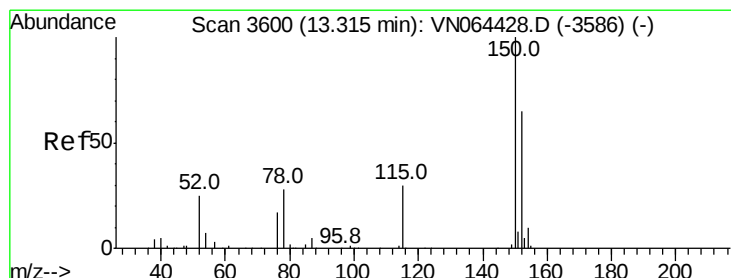
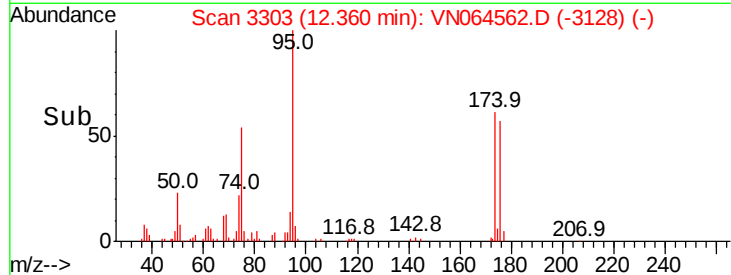
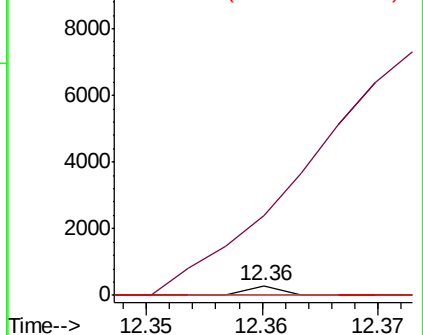
#71
Bromoform
Concen: 1.291 ug/l
RT: 12.36 min Scan# 3303
Delta R.T. 0.26 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#06

Tot Ion:173 Resp: 56
Ion Ratio Lower Upper
173 100
175 19444.6 23.7 71.1#
254 0.0 0.0 0.0

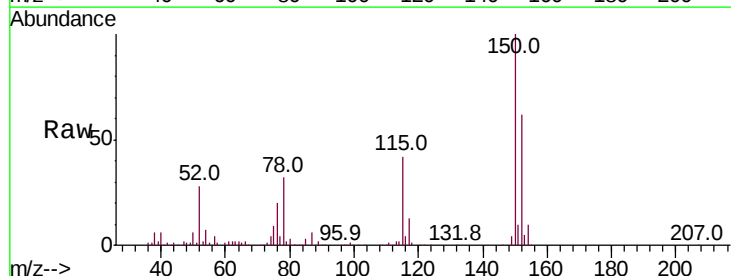


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

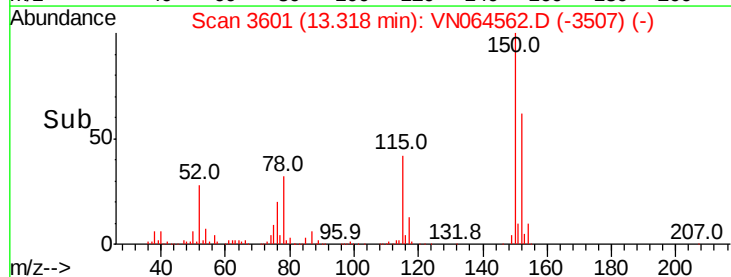
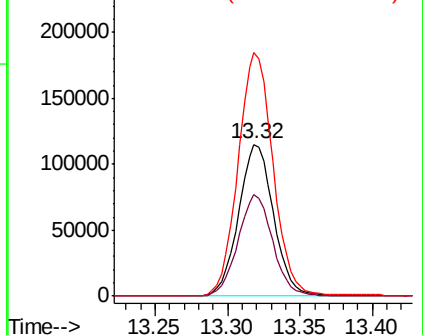


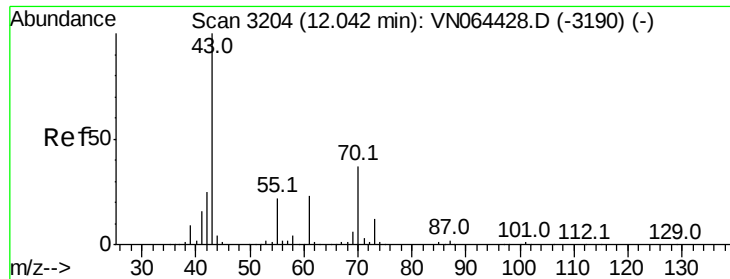
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064562.D
Acq: 11 Nov 2020 18:03

Tgt Ion:152 Resp: 192347
Ion Ratio Lower Upper
152 100
115 66.7 32.0 96.0
150 160.8 0.0 353.8



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





#74

N-amvl acetate

Concen: 4.982 ug/l

RT: 11.85 min Scan# 3145

Delta R.T. -0.19 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#06

Tot Ion: 43 Resp: 28635

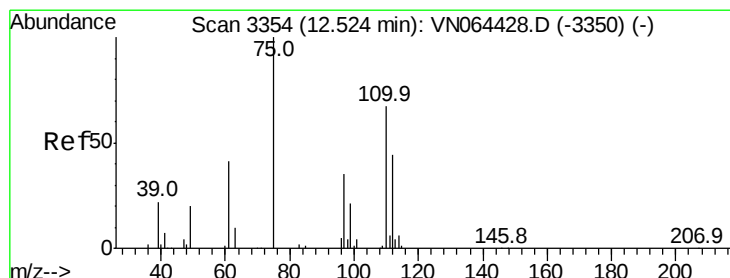
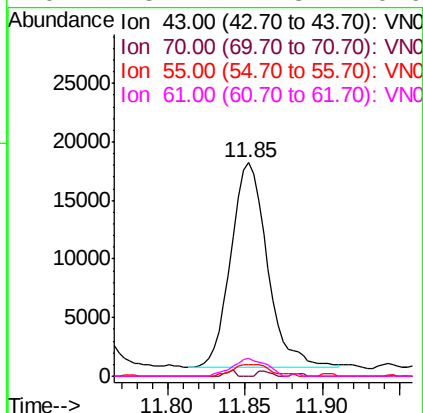
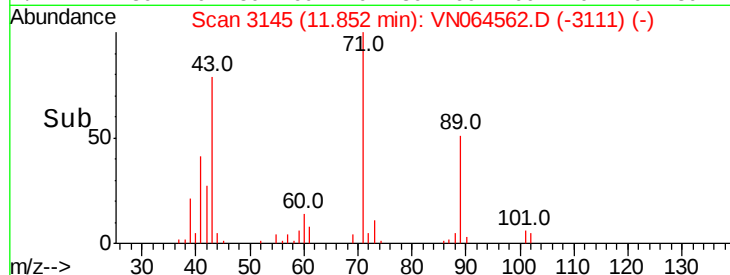
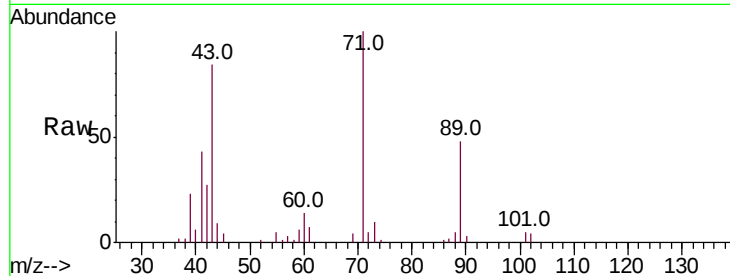
Ion Ratio Lower Upper

43 100

70 0.9 29.6 44.4#

55 6.1 18.4 27.6#

61 8.1 17.8 26.6#



#76

1,2,3-Trichloropropane

Concen: 29.345 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064562.D

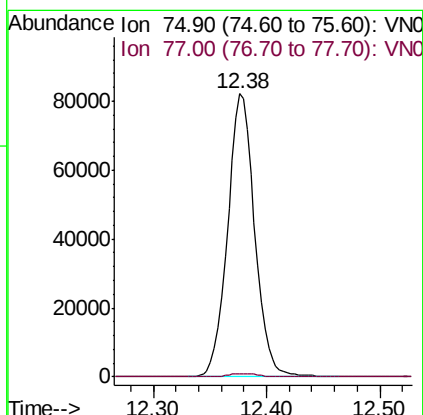
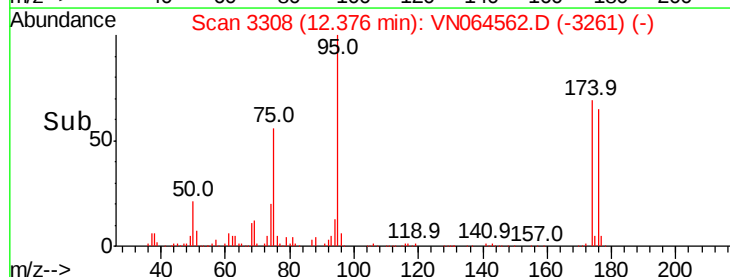
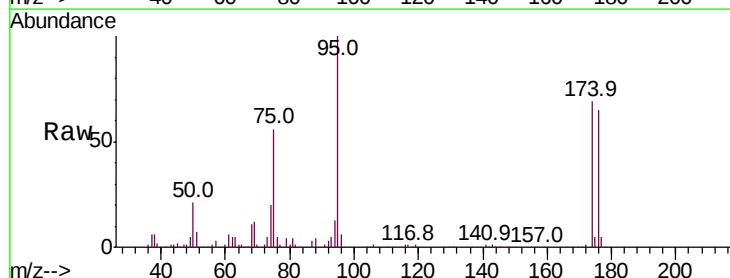
Acq: 11 Nov 2020 18:03

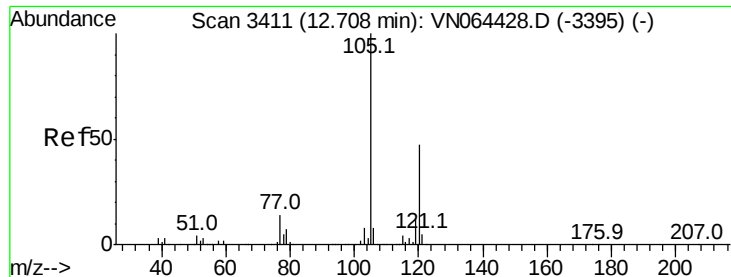
Tgt Ion: 75 Resp: 136760

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.215 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA_N

ClientSampleId :

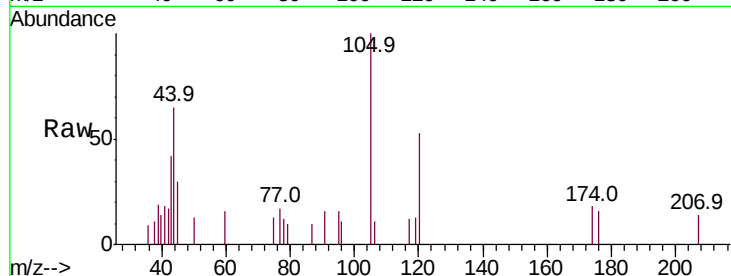
PB132934ZHE#06

Tot Ion:105 Resp: 2707

Ion Ratio Lower Upper

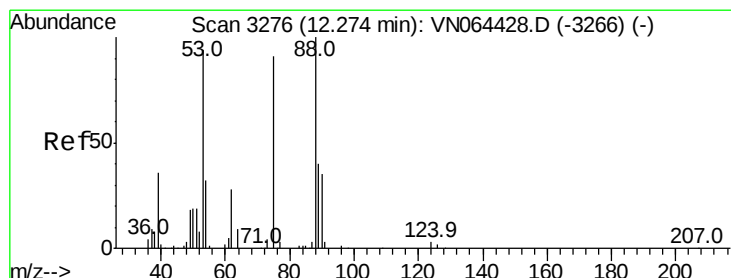
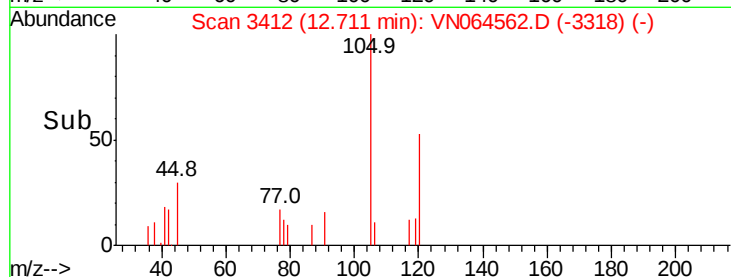
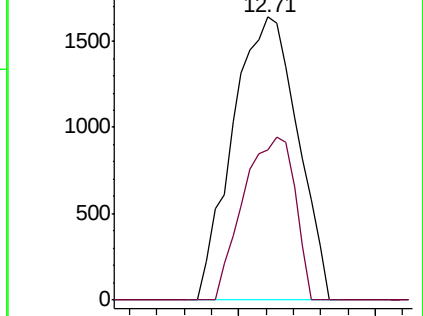
105 100

120 45.8 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 81.935 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

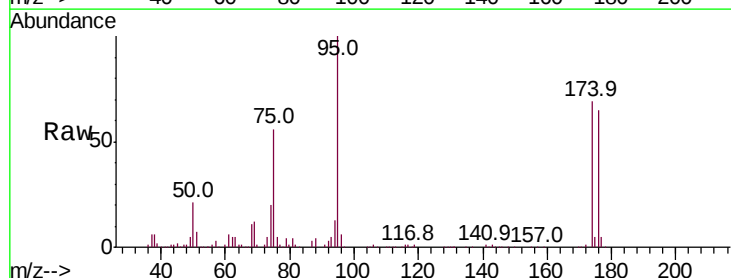
Tgt Ion: 75 Resp: 136760

Ion Ratio Lower Upper

75 100

53 0.3 84.0 126.0#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

