

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064610.D
 Acq On : 13 Nov 2020 4:09
 Operator : JC/MD
 Sample : PB132945ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#08

Quant Time: Nov 13 06:10:31 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	224924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	508030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	543254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201171	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	233052	59.49	ug/l	0.00
Spiked Amount			Recovery	=	118.98%	
35) Dibromofluoromethane	7.55	113	169279	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	10.06	98	651688	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.38	95	245829	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

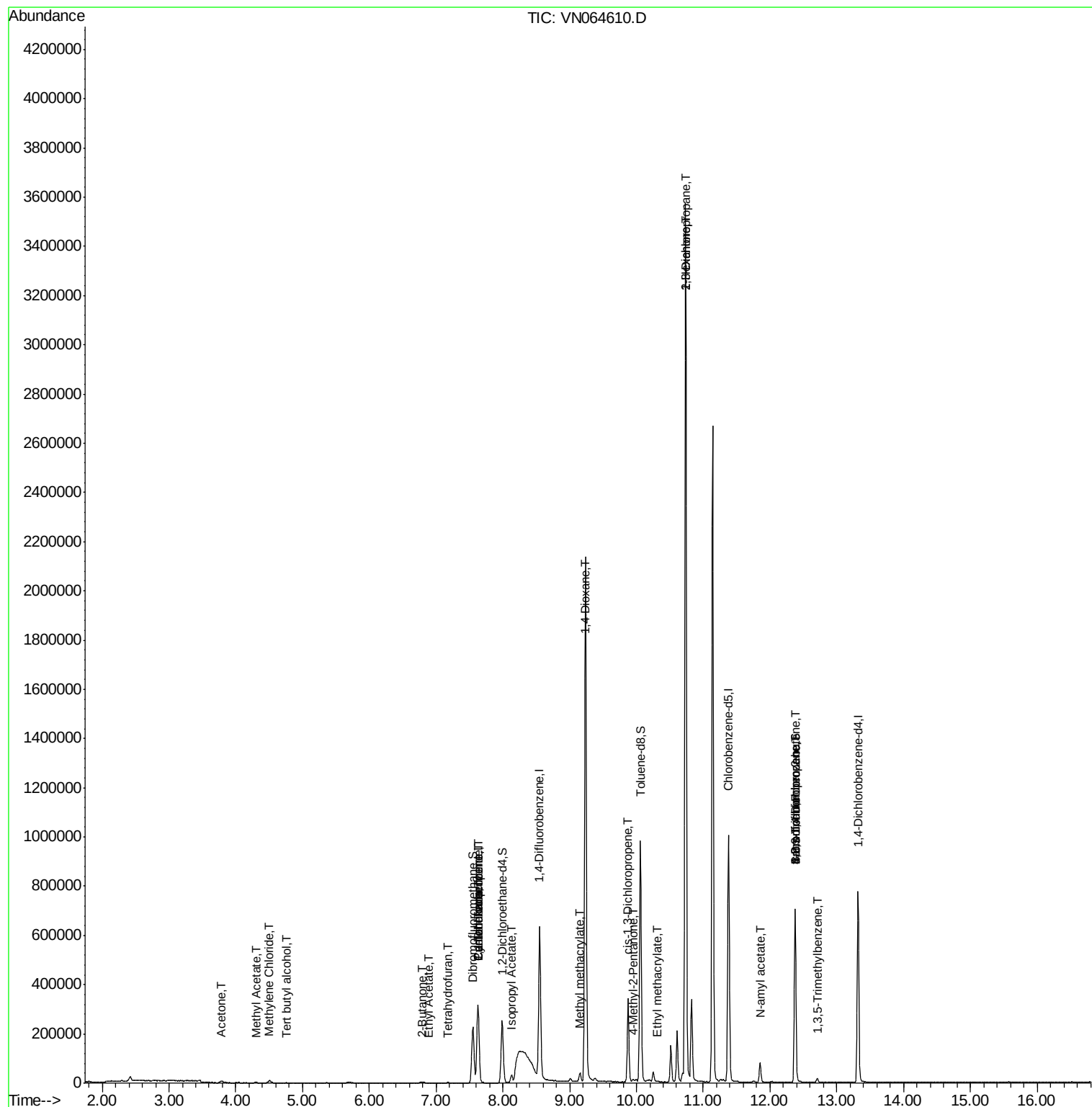
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	96	0.222	ug/l #	71
16) Acetone	3.77	43	4886	3.274	ug/l #	80
18) Methyl Acetate	4.29	43	2765	0.942	ug/l #	75
20) Methylene Chloride	4.50	84	7004	2.365	ug/l #	84
25) 2-Butanone	6.79	43	907	0.477	ug/l #	52
29) Tetrahydrofuran	7.18	42	294	0.252	ug/l #	5
31) Cyclohexane	7.63	56	6962	1.462	ug/l #	30
36) 1,1-Dichloropropene	7.63	75	21574	4.020	ug/l #	52
37) Ethyl Acetate	6.89	43	359	0.827	ug/l #	71
38) Carbon Tetrachloride	7.63	117	25419	4.432	ug/l #	18
43) Isopropyl Acetate	8.13	43	35748	4.110	ug/l	97
48) Methyl methacrylate	9.14	41	7963	1.814	ug/l #	15
49) 1,4-Dioxane	9.22	88	165	2.854	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	5074	1.000	ug/l #	88
54) cis-1,3-Dichloropropene	9.87	75	50856	7.533	ug/l #	67
56) Ethyl methacrylate	10.32	69	161	1.866	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	33631	5.136	ug/l #	44
59) 2-Hexanone	10.74	43	532651	130.734	ug/l #	54
71) Bromoform	12.37	173	1411	1.687	ug/l #	1
74) N-amyl acetate	11.85	43	24763	4.330	ug/l #	58
76) 1,2,3-Trichloropropane	12.38	75	139075	28.533	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	8007	0.607	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	139075	79.667	ug/l #	8

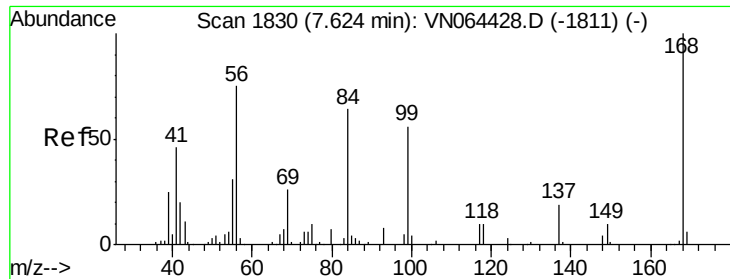
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111220\
Data File : VN064610.D
Acq On : 13 Nov 2020 4:09
Operator : JC/MD
Sample : PB132945ZHE#08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB132945ZHE#08

Quant Time: Nov 13 06:10:31 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# 1831

Delta R.T. 0.00 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

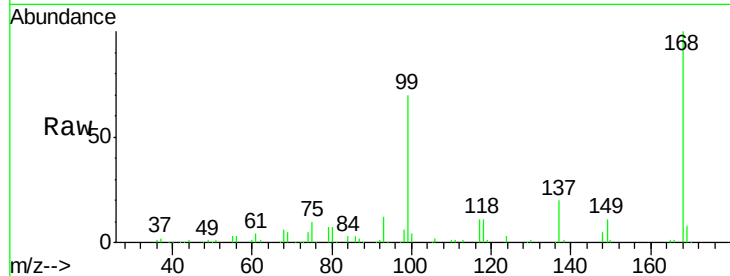
PB132945ZHE#08

Tot Ion:168 Resp: 224924

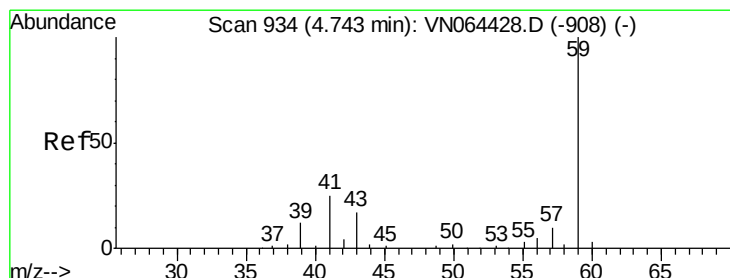
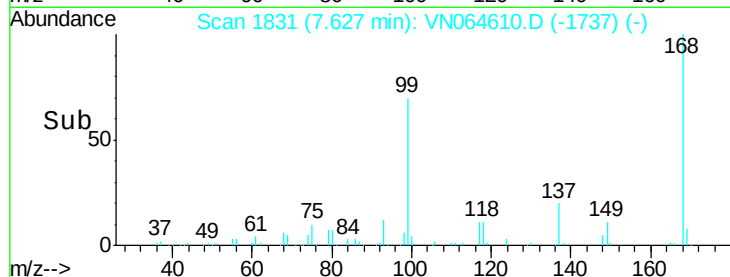
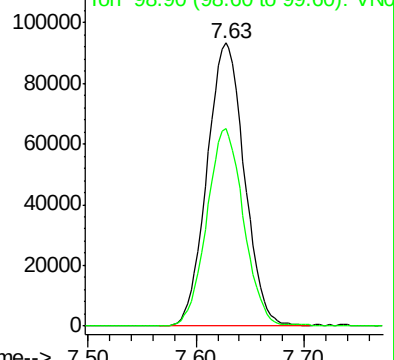
Ion Ratio Lower Upper

168 100

99 69.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064610.D (-1737) (-)



#11

Tert butyl alcohol

Concen: 0.222 ug/l

RT: 4.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VN064610.D

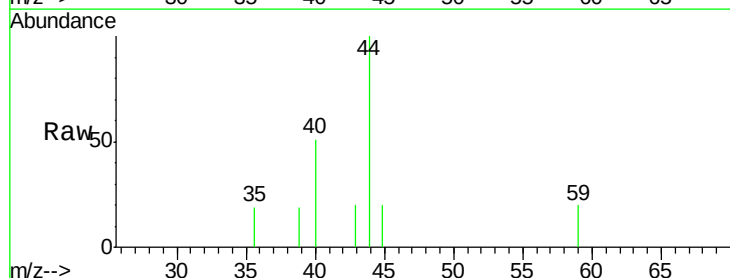
Acq: 13 Nov 2020 4:09

Tgt Ion: 59 Resp: 96

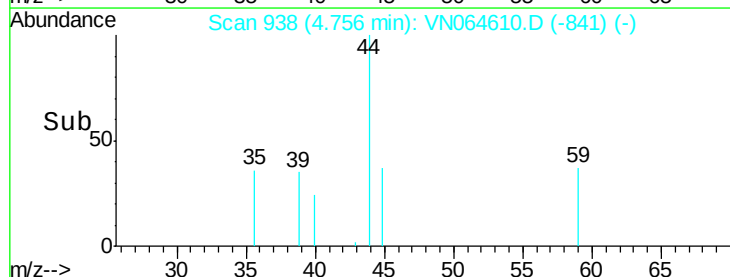
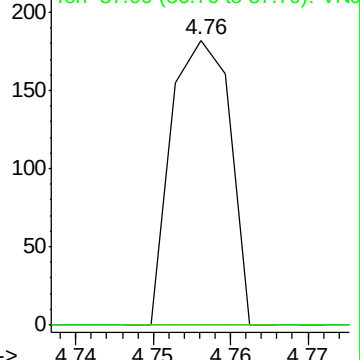
Ion Ratio Lower Upper

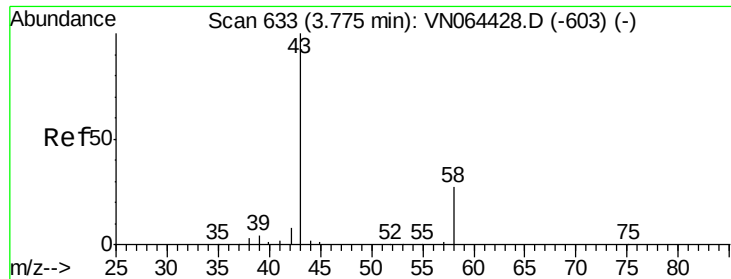
59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064610.D (-841) (-)





#16

Acetone

Concen: 3.274 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

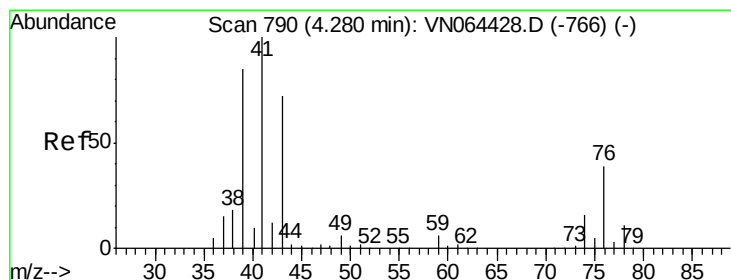
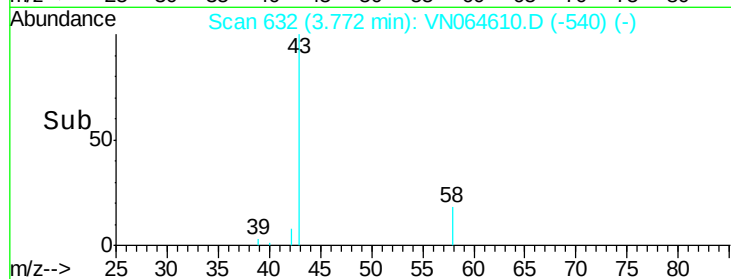
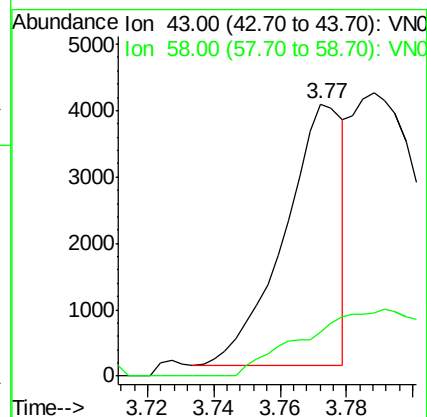
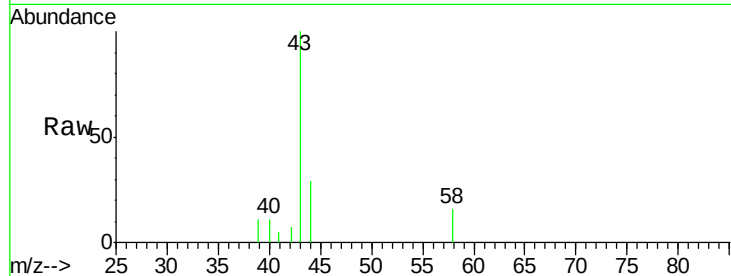
PB132945ZHE#08

Tot Ion: 43 Resp: 4886

Ion Ratio Lower Upper

43 100

58 16.6 21.4 32.0#



#18

Methyl Acetate

Concen: 0.942 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN064610.D

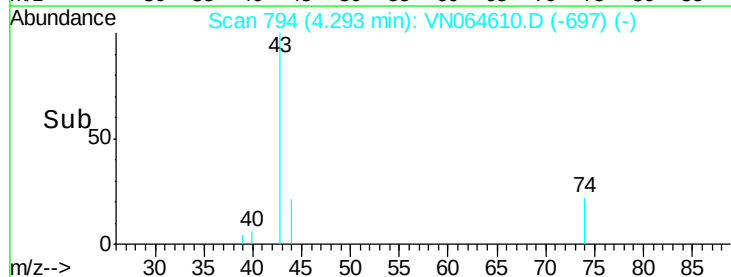
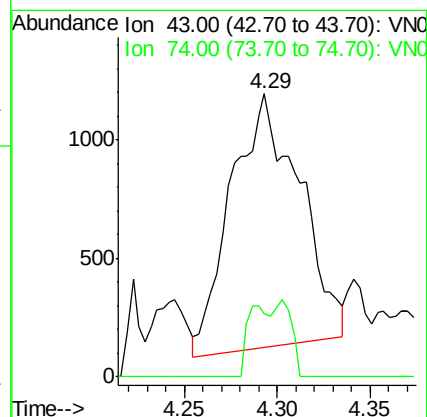
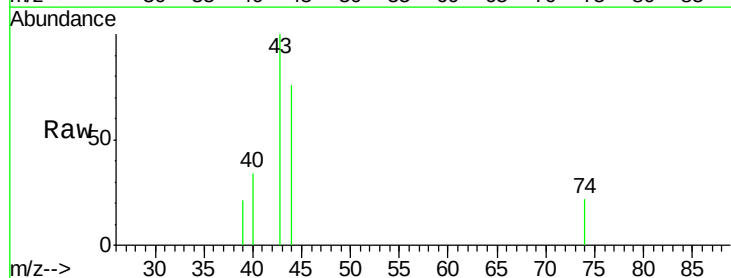
Acq: 13 Nov 2020 4:09

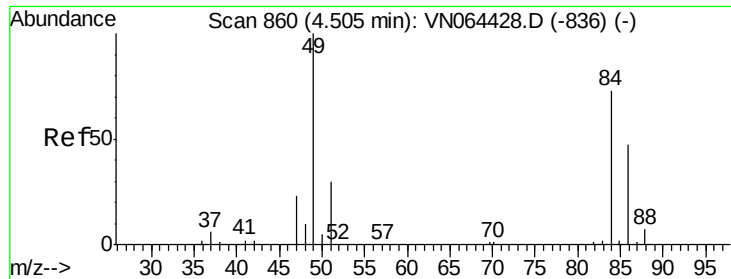
Tgt Ion: 43 Resp: 2765

Ion Ratio Lower Upper

43 100

74 9.4 17.0 25.4#





#20

Methvlene Chloride

Concen: 2.365 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#08

Tot Ion: 84 Resp: 7004

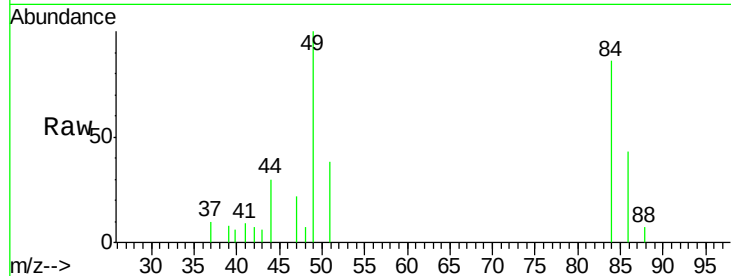
Ion Ratio Lower Upper

84 100

49 115.9 110.1 165.1

51 44.3 33.6 50.4

86 50.2 52.1 78.1#

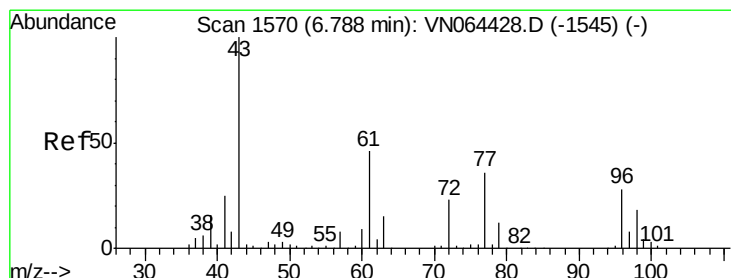
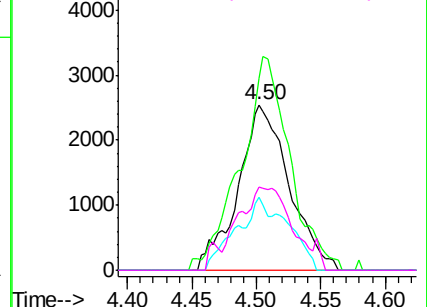
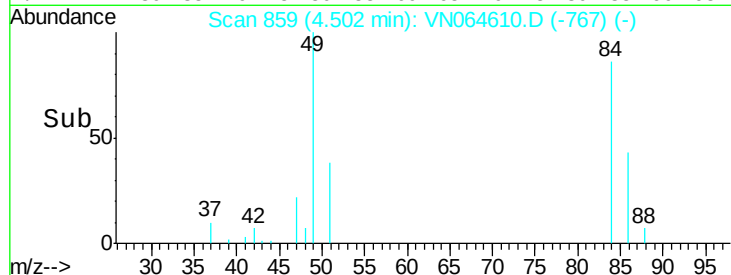


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 0.477 ug/l

RT: 6.79 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN064610.D

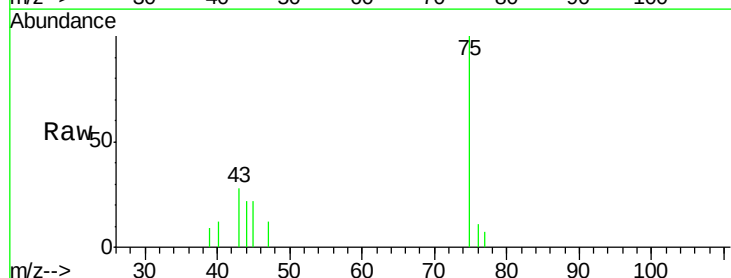
Acq: 13 Nov 2020 4:09

Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

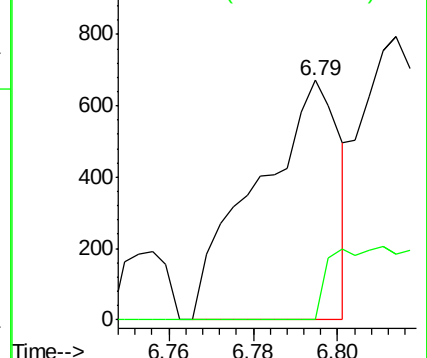
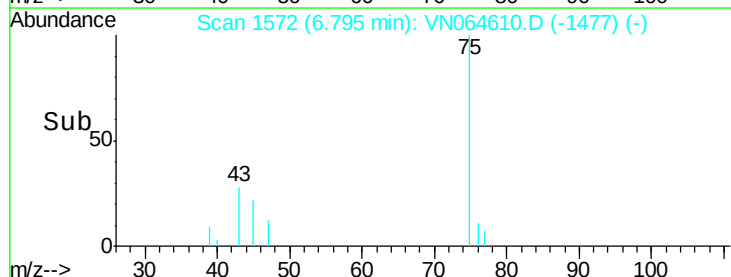
43 100

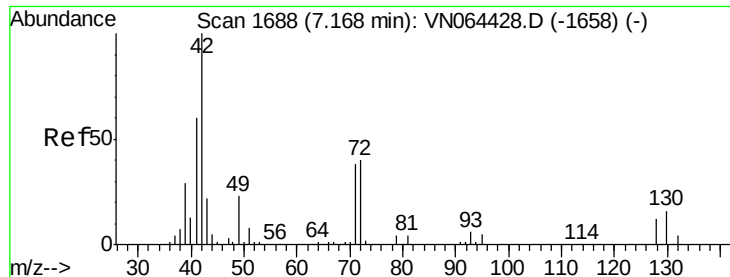
72 0.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#08

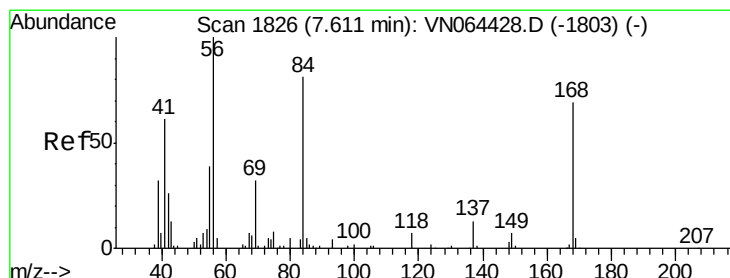
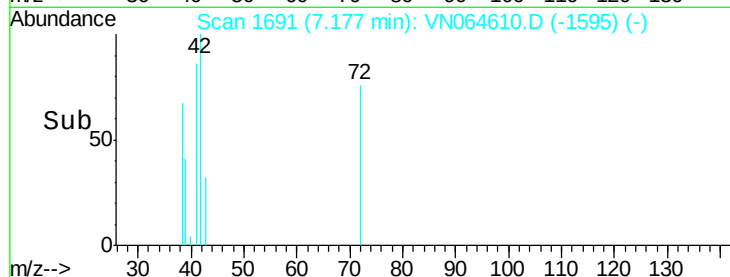
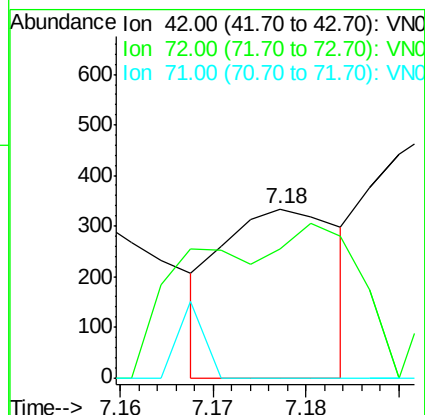
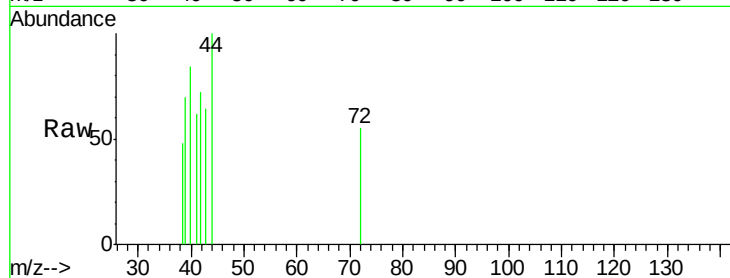
Tot Ion: 42 Resp: 294

Ion Ratio Lower Upper

42 100

72 126.2 31.7 47.5#

71 9.9 29.8 44.6#



#31

Cyclohexane

Concen: 1.462 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

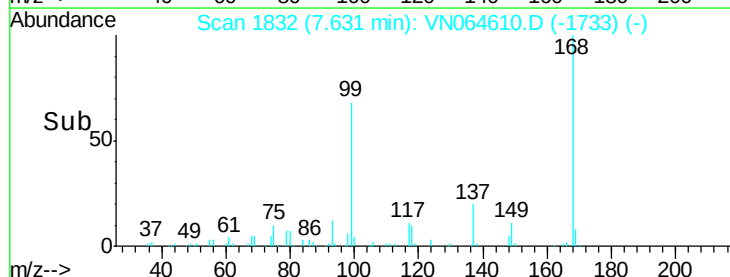
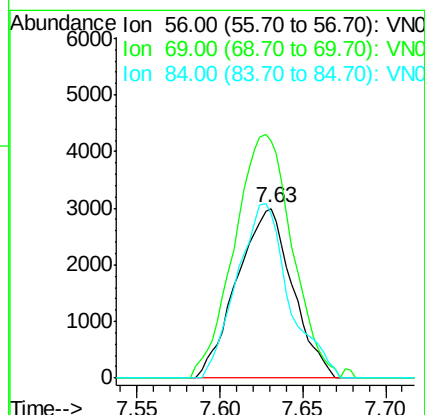
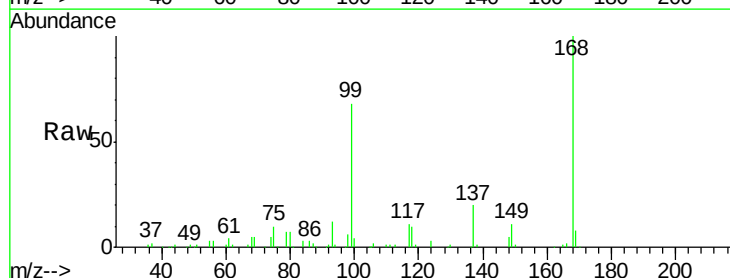
Tgt Ion: 56 Resp: 6962

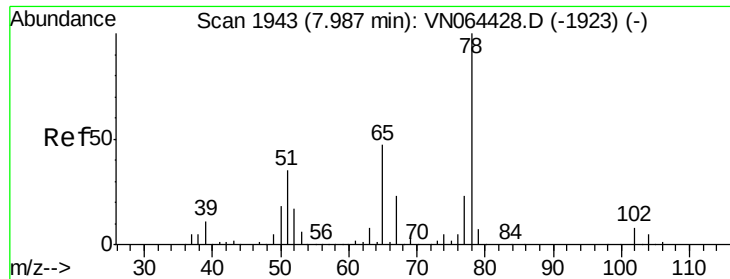
Ion Ratio Lower Upper

56 100

69 139.7 25.6 38.4#

84 96.8 63.0 94.6#





#33

1,2-Dichloroethane-d4

Concen: 59.485 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

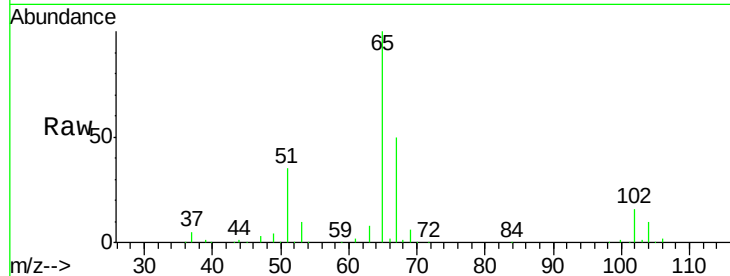
PB132945ZHE#08

Tot Ion: 65 Resp: 233052

Ion Ratio Lower Upper

65 100

67 49.5 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064610.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064610.D (-1850) (-)

7.99

100000

80000

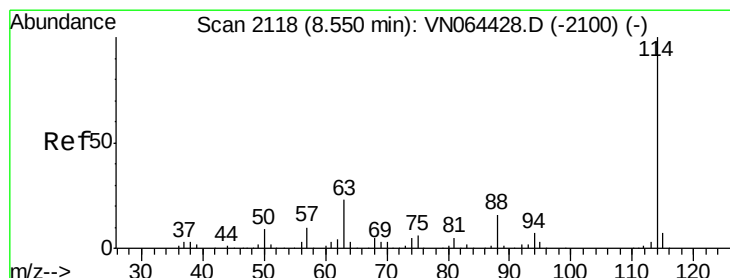
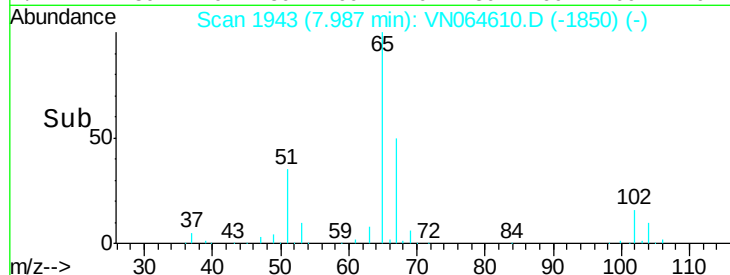
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

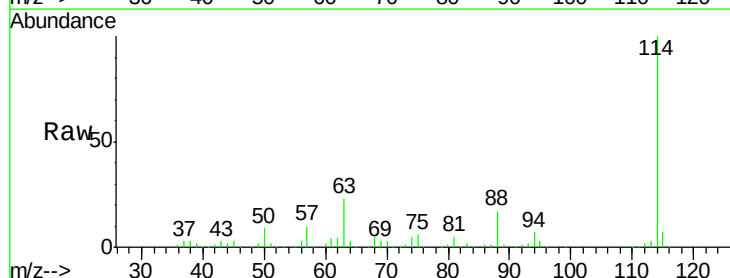
Tgt Ion: 114 Resp: 508030

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.6

88 16.6 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064610.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064610.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064610.D (-2025) (-)

8.55

300000

250000

200000

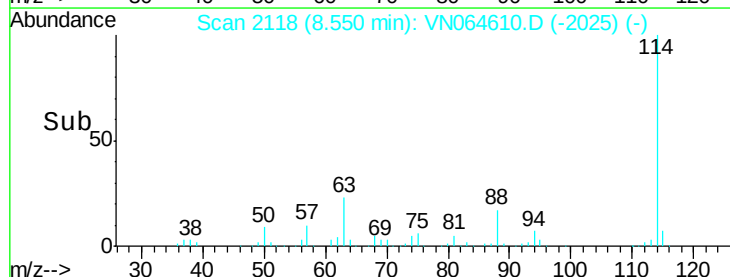
150000

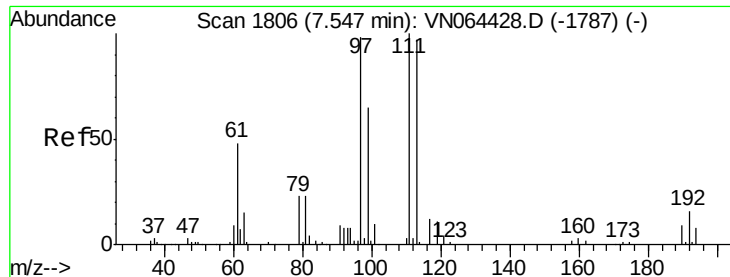
100000

50000

0

Time-->

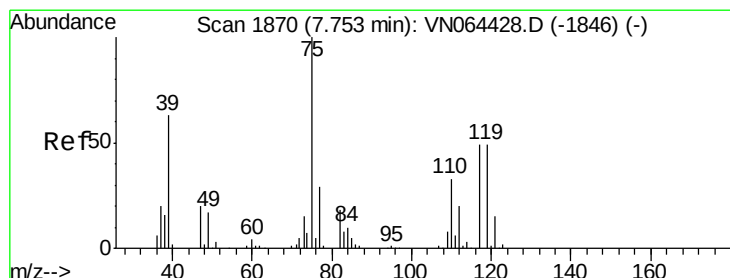
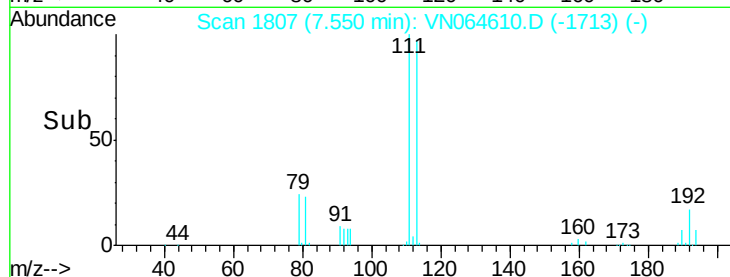
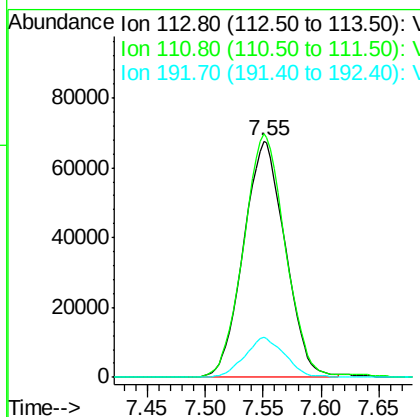
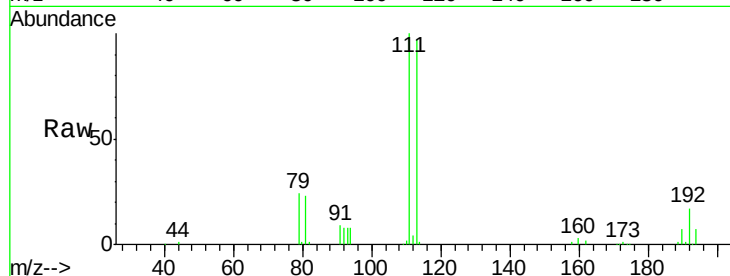




#35
 Dibromofluoromethane
 Concen: 48.939 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064610.D
 Acq: 13 Nov 2020 4:09

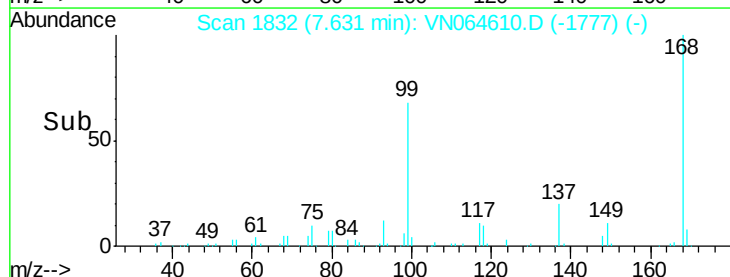
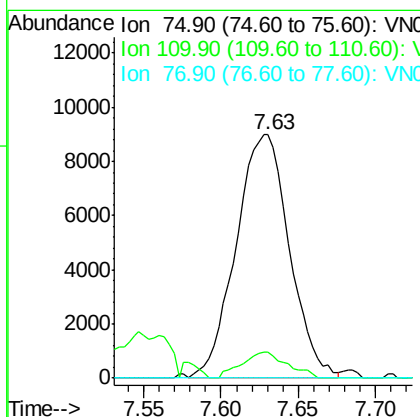
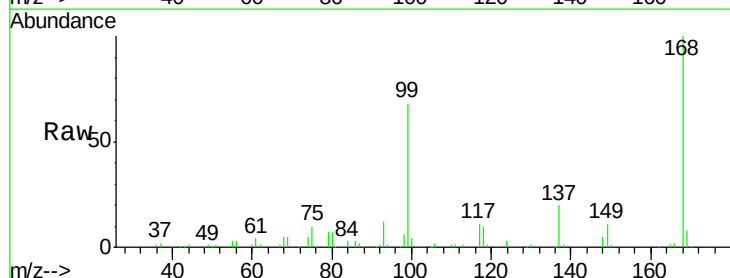
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#08

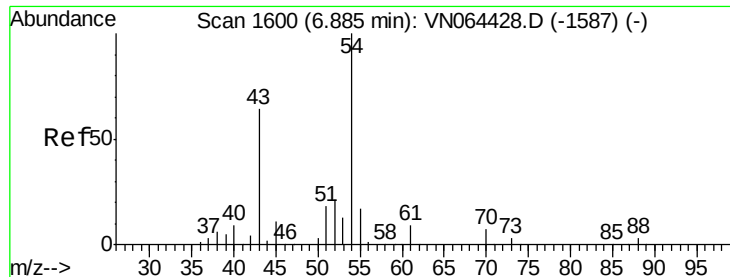
Tot Ion:113 Resp: 169279
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.1 121.7
 192 16.3 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.020 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064610.D
 Acq: 13 Nov 2020 4:09

Tgt Ion: 75 Resp: 21574
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.0 48.0#
 77 0.0 24.0 36.0#

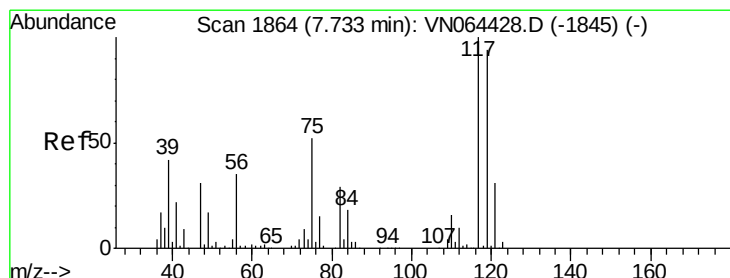
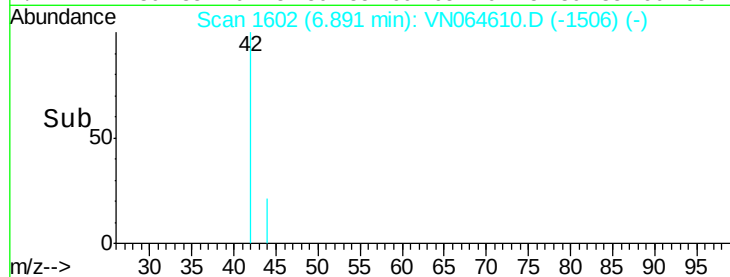
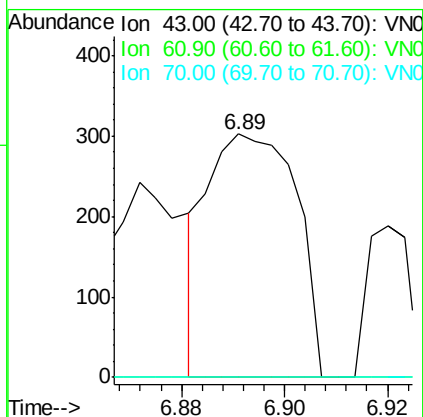
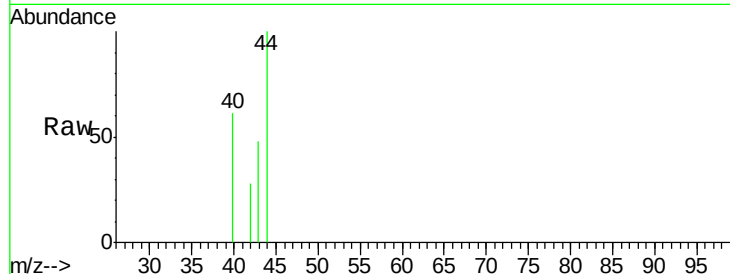




#37
Ethyl Acetate
Concen: 0.827 ug/l
RT: 6.89 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VN064610.D
Acq: 13 Nov 2020 4:09

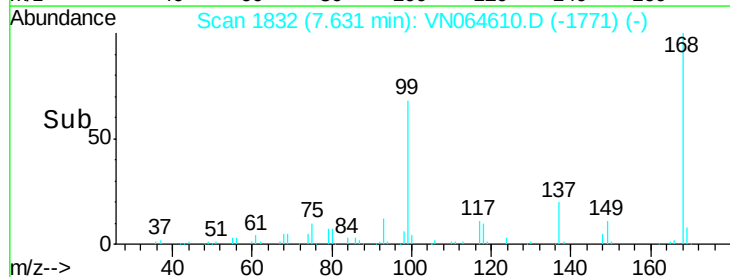
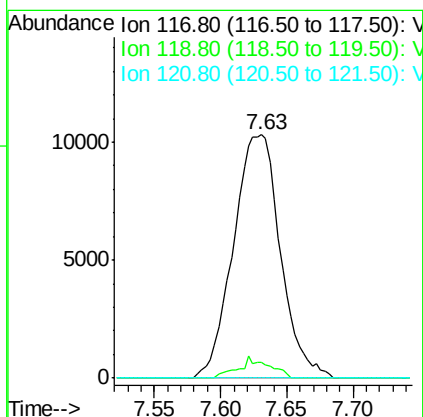
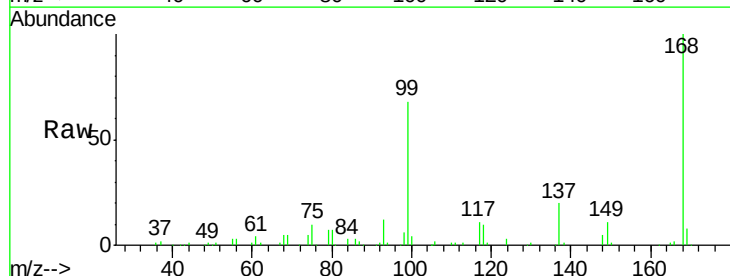
Instrument :
MSVOA_N
ClientSampleId :
PB132945ZHE#08

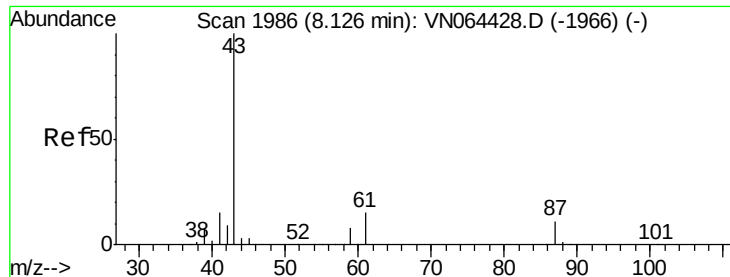
Tot Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.432 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN064610.D
Acq: 13 Nov 2020 4:09

Tgt Ion: 117 Resp: 25419
Ion Ratio Lower Upper
117 100
119 6.4 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 4.110 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#08

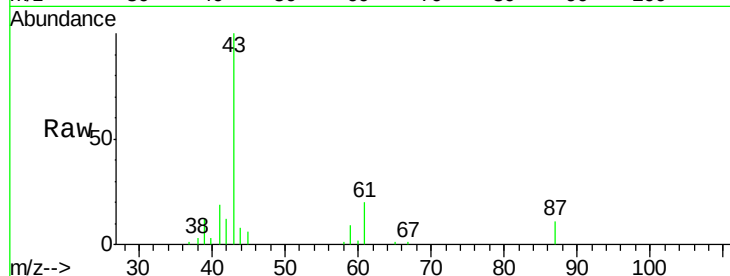
Tot Ion: 43 Resp: 35748

Ion Ratio Lower Upper

43 100

61 18.5 14.0 21.0

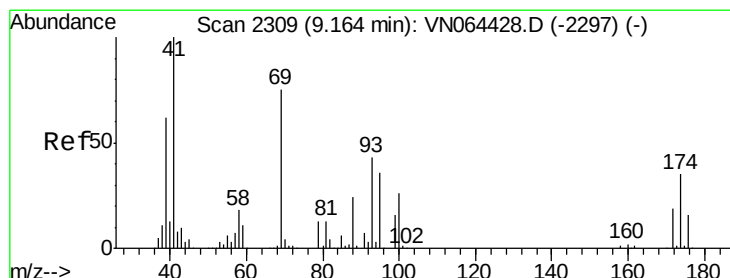
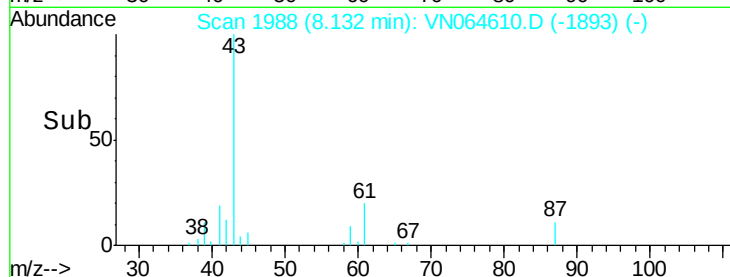
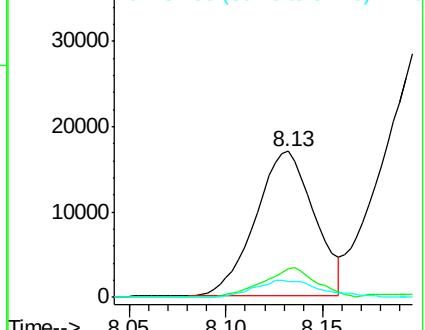
87 13.0 9.1 13.7



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: 1.814 ug/l

RT: 9.14 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

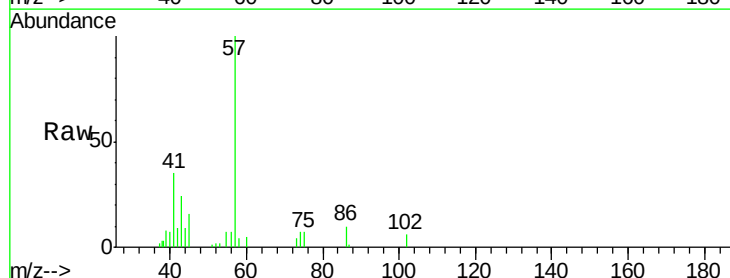
Tgt Ion: 41 Resp: 7963

Ion Ratio Lower Upper

41 100

69 0.0 60.4 90.6#

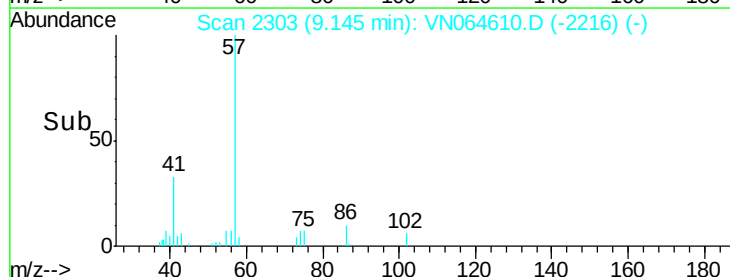
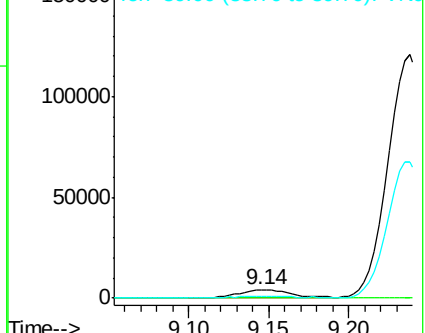
39 0.0 51.2 76.8#

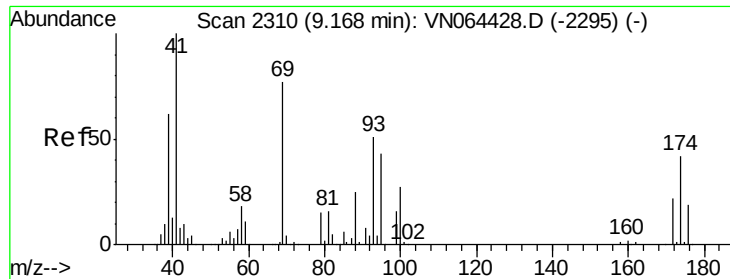


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 2.854 ug/l

RT: 9.22 min Scan# 2326

Delta R.T. 0.05 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#08

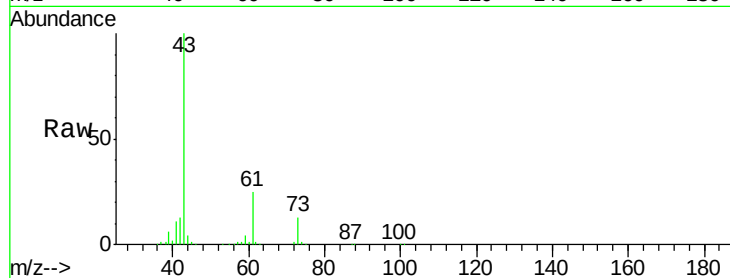
Tot Ion: 88 Resp: 165

Ion Ratio Lower Upper

88 100

43 1260132.1 31.0 46.6#

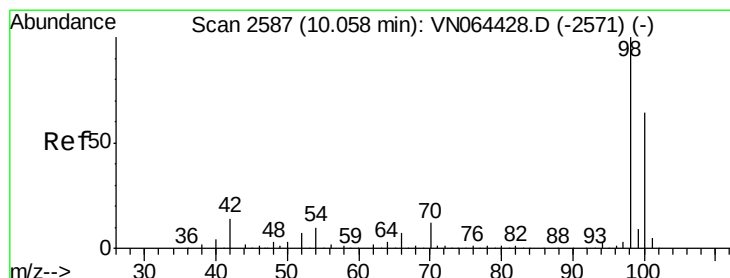
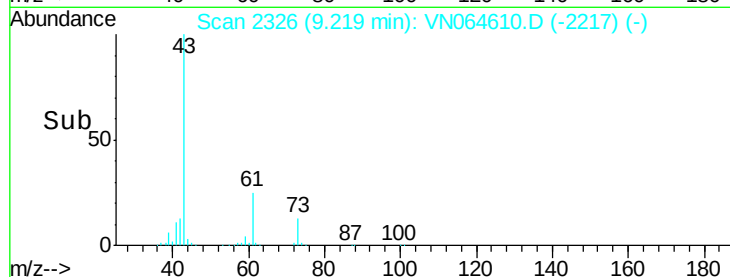
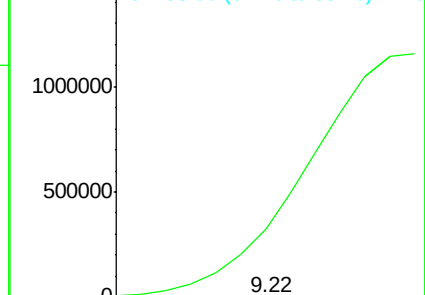
58 6084.8 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.746 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064610.D

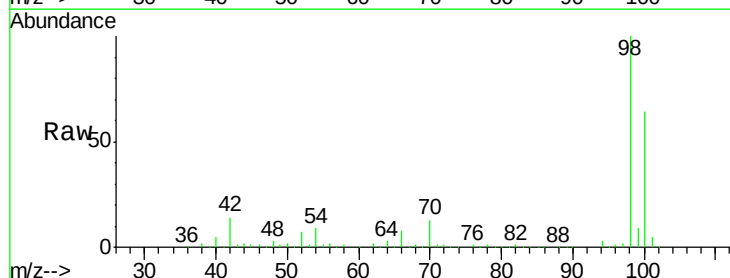
Acq: 13 Nov 2020 4:09

Tgt Ion: 98 Resp: 651688

Ion Ratio Lower Upper

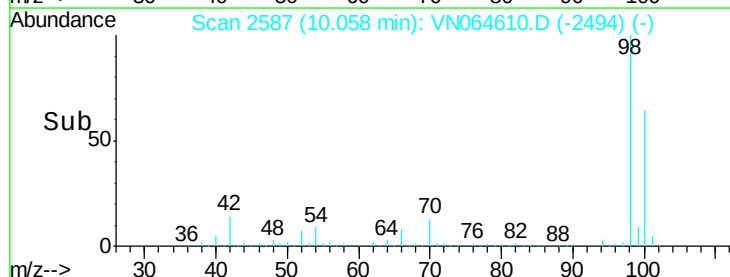
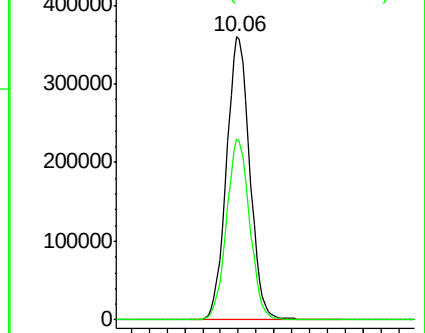
98 100

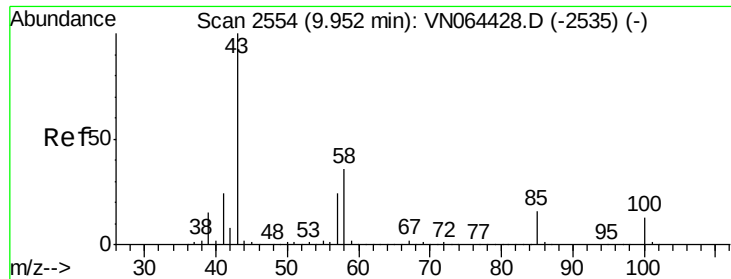
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.000 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

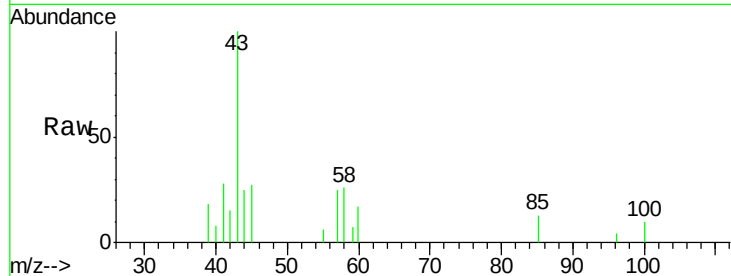
PB132945ZHE#08

Tot Ion: 43 Resp: 5074

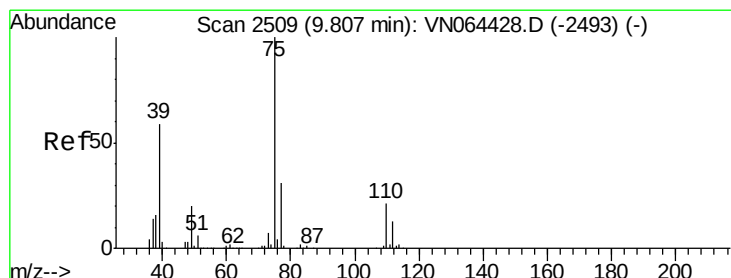
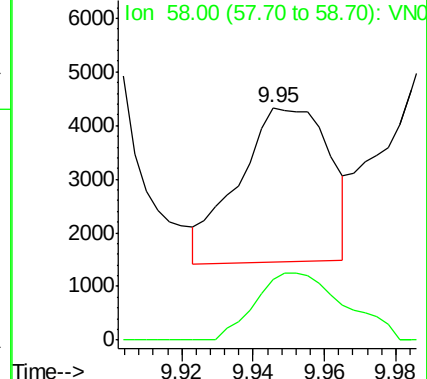
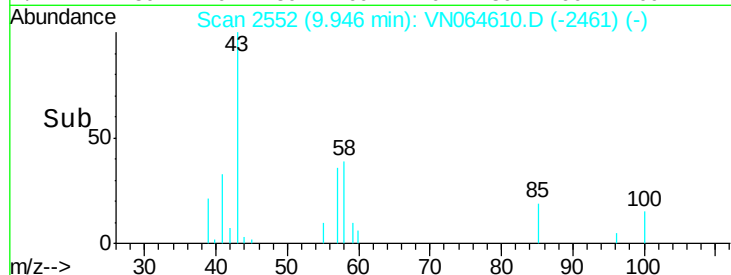
Ion Ratio Lower Upper

43 100

58 42.6 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064610.D (-2461) (-)



#54

cis-1,3-Dichloropropene

Concen: 7.533 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

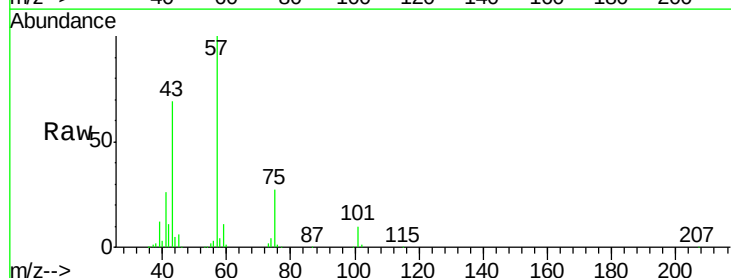
Tgt Ion: 75 Resp: 50856

Ion Ratio Lower Upper

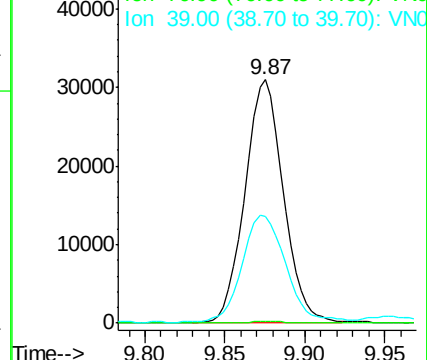
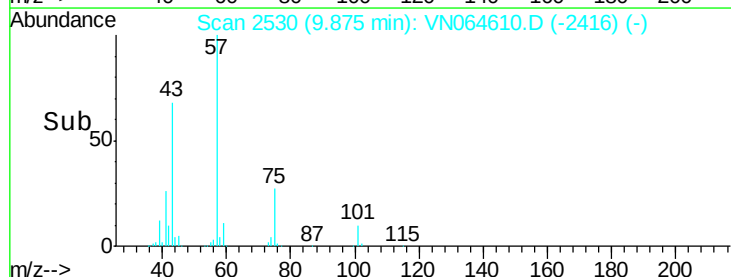
75 100

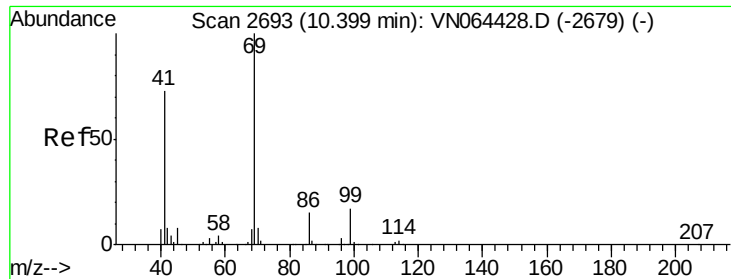
77 0.6 24.9 37.3#

39 43.3 47.1 70.7#



Abundance Ion 74.90 (74.60 to 75.60): VN064610.D (-2416) (-)





#56

Ethyl methacrylate

Concen: 1.866 ug/l

RT: 10.32 min Scan# 2668

Delta R.T. -0.08 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#08

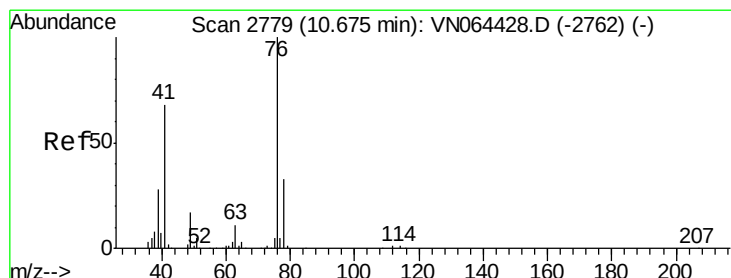
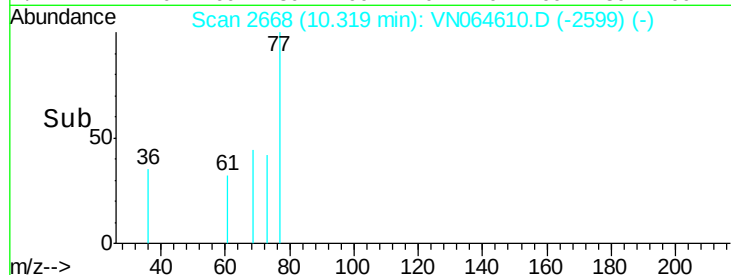
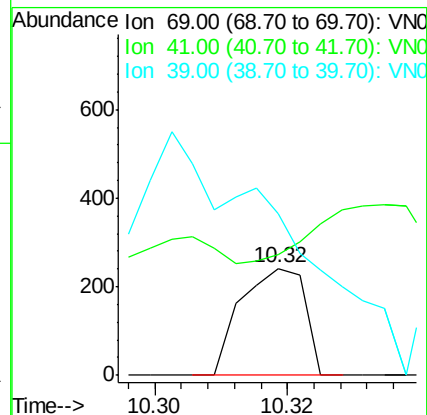
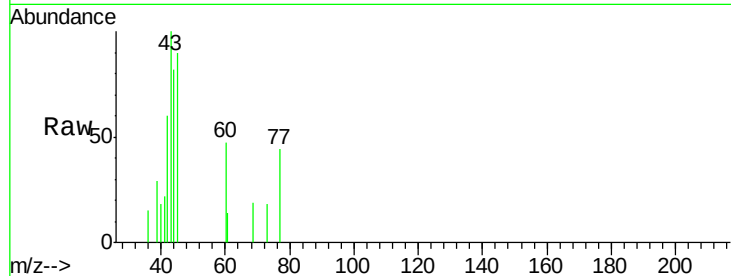
Tot Ion: 69 Resp: 161

Ion Ratio Lower Upper

69 100

41 0.0 59.3 88.9#

39 525.5 35.4 53.0#



#57

1,3-Dichloropropane

Concen: 5.136 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064610.D

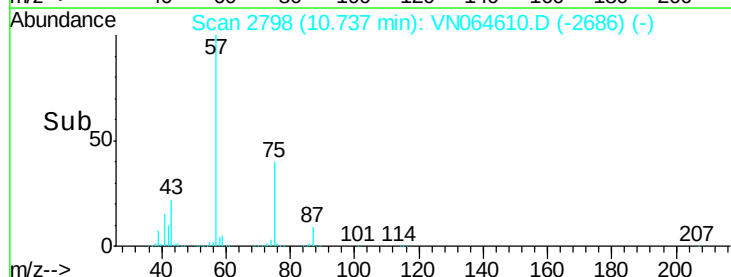
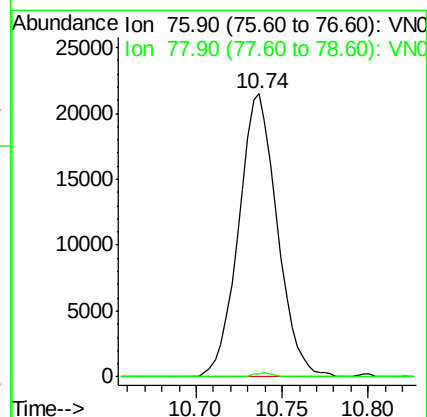
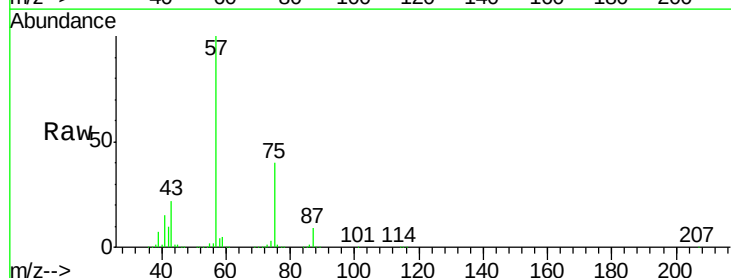
Acq: 13 Nov 2020 4:09

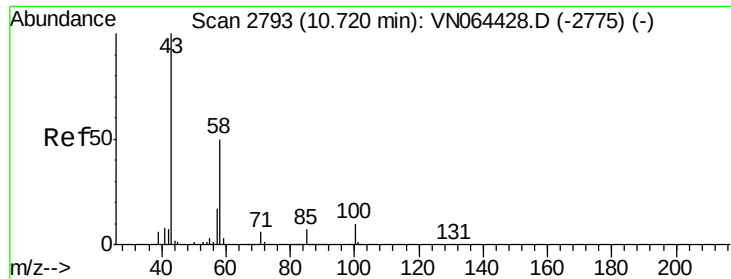
Tgt Ion: 76 Resp: 33631

Ion Ratio Lower Upper

76 100

78 0.7 25.8 38.6#





#59

2-Hexanone

Concen: 130.734 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

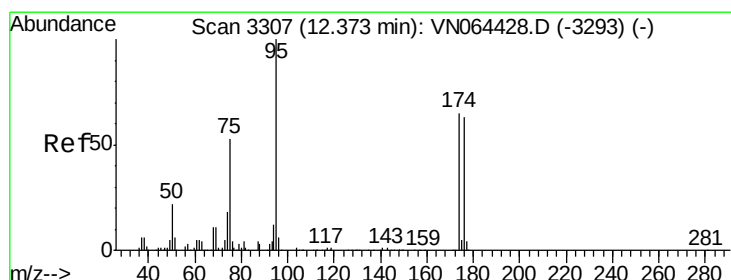
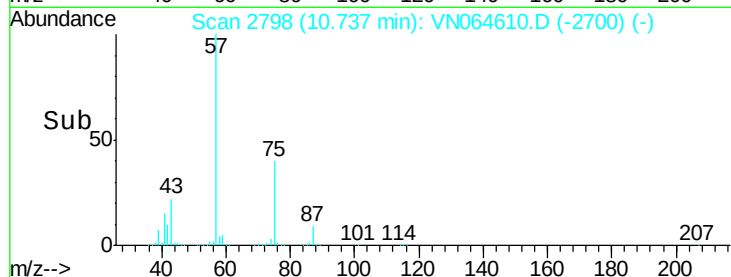
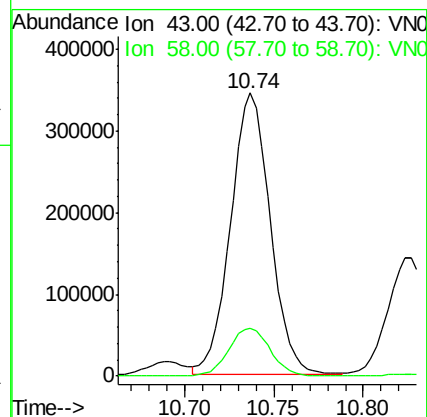
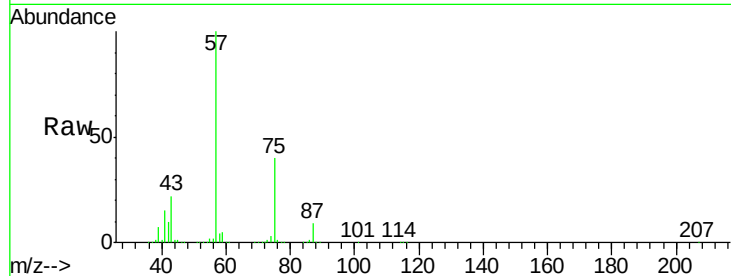
PB132945ZHE#08

Tot Ion: 43 Resp: 532651

Ion Ratio Lower Upper

43 100

58 17.9 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 48.621 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

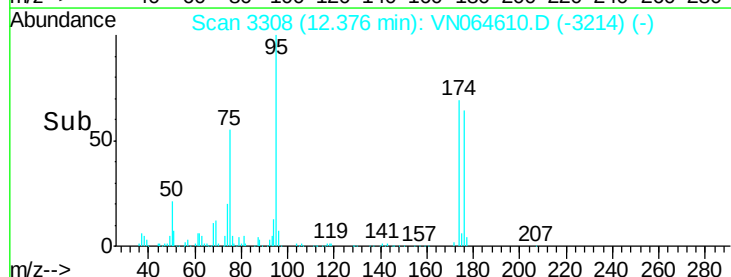
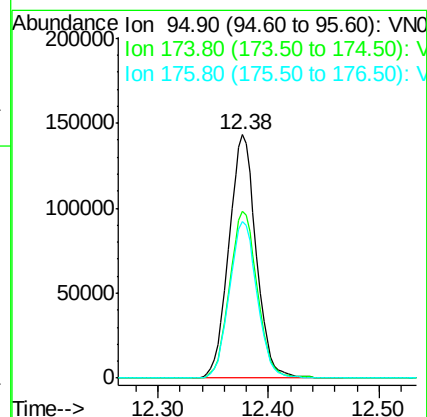
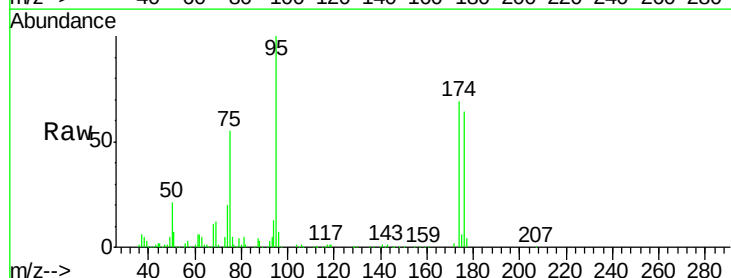
Tgt Ion: 95 Resp: 245829

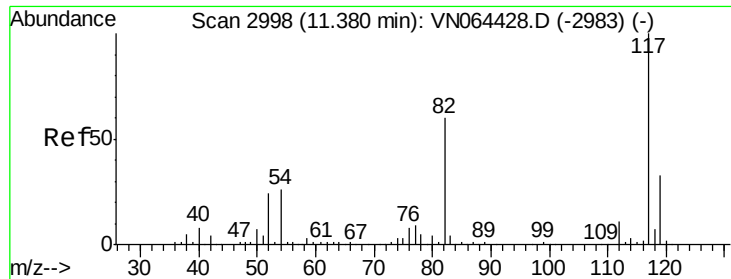
Ion Ratio Lower Upper

95 100

174 69.8 0.0 132.6

176 65.4 0.0 129.2

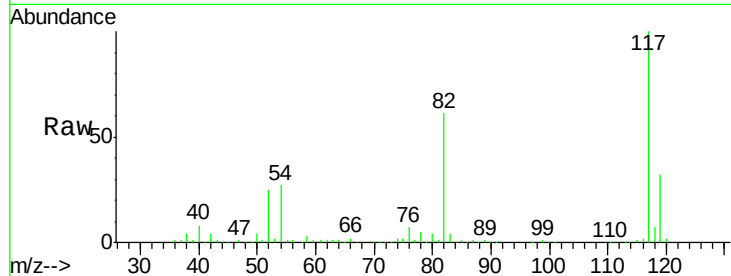




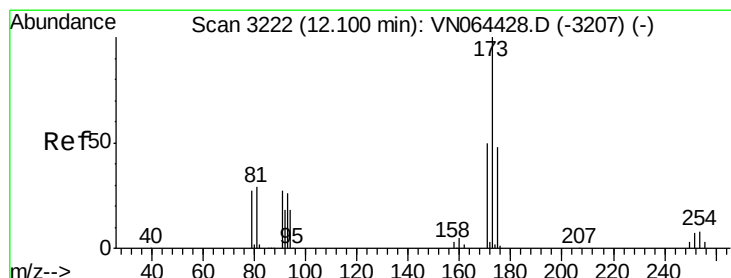
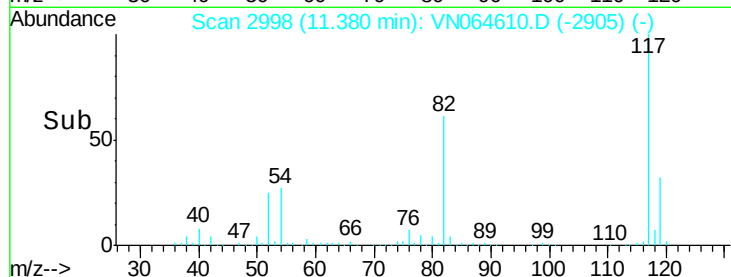
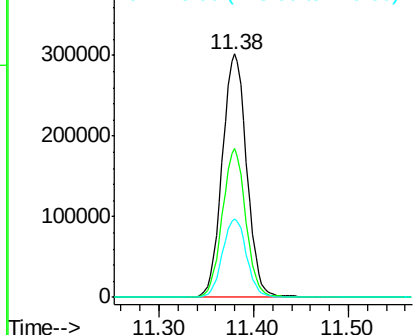
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064610.D
Acq: 13 Nov 2020 4:09

Instrument :
MSVOA_N
ClientSampleId :
PB132945ZHE#08

Tot Ion:117 Resp: 543254
Ion Ratio Lower Upper
117 100
82 61.2 48.1 72.1
119 32.4 26.2 39.4

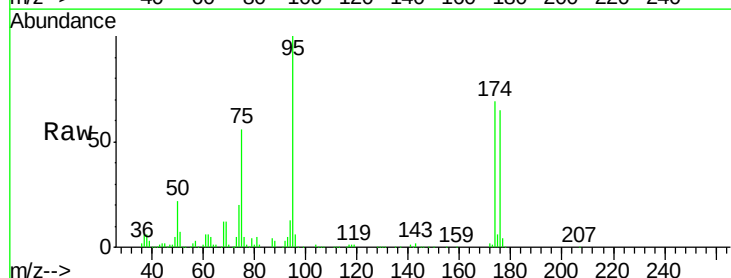


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

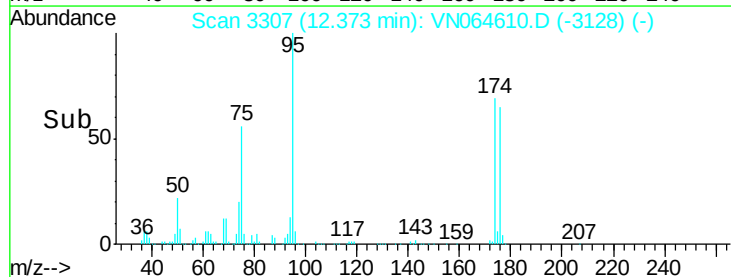
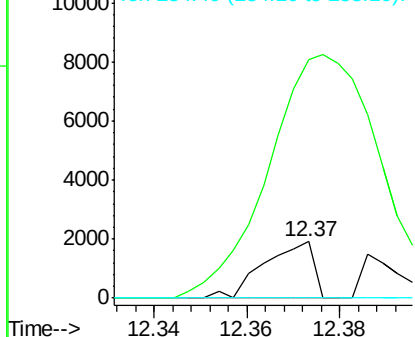


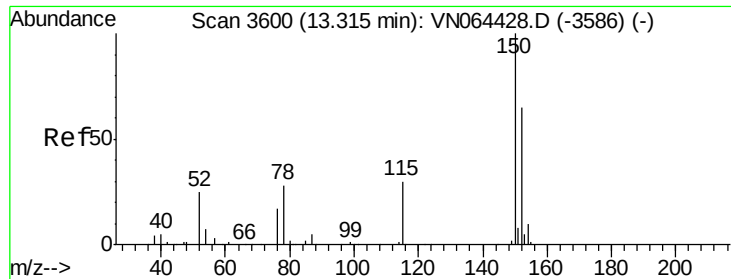
#71
Bromoform
Concen: 1.687 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.27 min
Lab File: VN064610.D
Acq: 13 Nov 2020 4:09

Tgt Ion:173 Resp: 1411
Ion Ratio Lower Upper
173 100
175 823.2 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

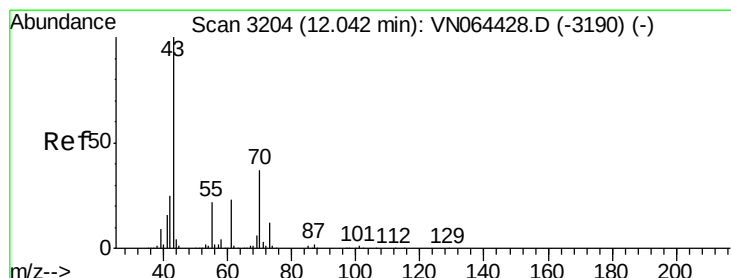
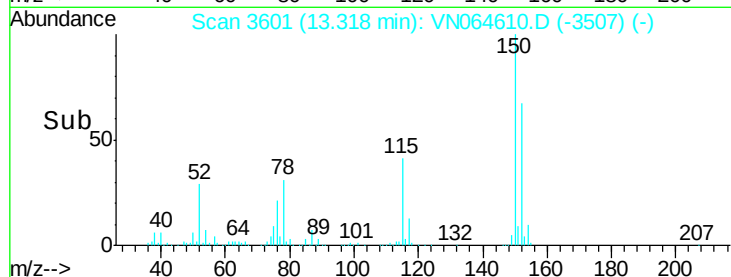
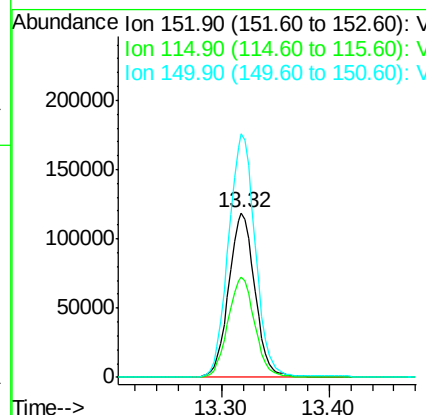
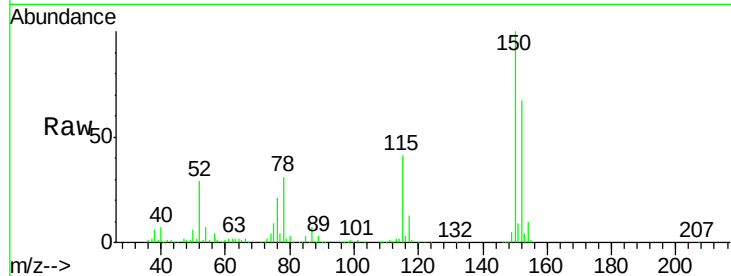




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN064610.D
 Acq: 13 Nov 2020 4:09

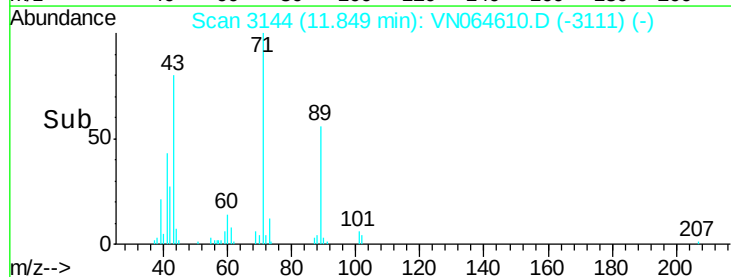
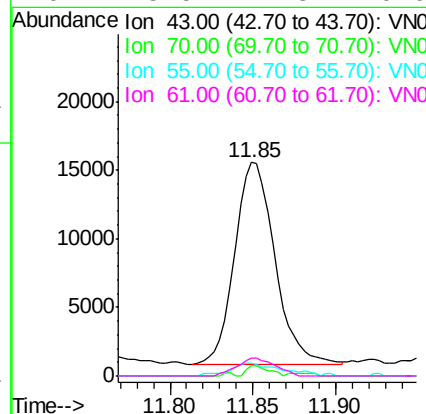
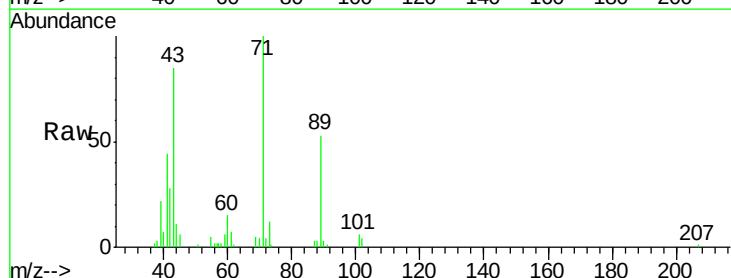
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#08

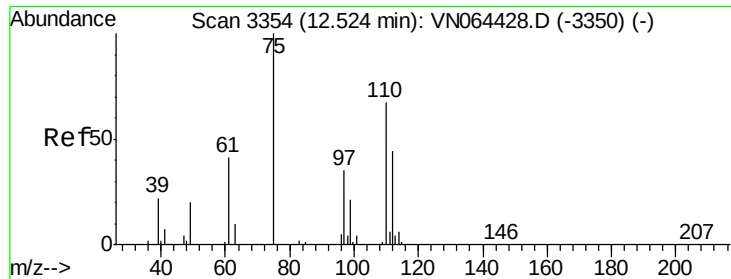
Tot Ion:152 Resp: 201171
 Ion Ratio Lower Upper
 152 100
 115 61.9 32.0 96.0
 150 151.8 0.0 353.8



#74
 N-ethyl acetate
 Concen: 4.330 ug/l
 RT: 11.85 min Scan# 3144
 Delta R.T. -0.19 min
 Lab File: VN064610.D
 Acq: 13 Nov 2020 4:09

Tgt Ion: 43 Resp: 24763
 Ion Ratio Lower Upper
 43 100
 70 2.8 29.6 44.4#
 55 7.9 18.4 27.6#
 61 8.5 17.8 26.6#

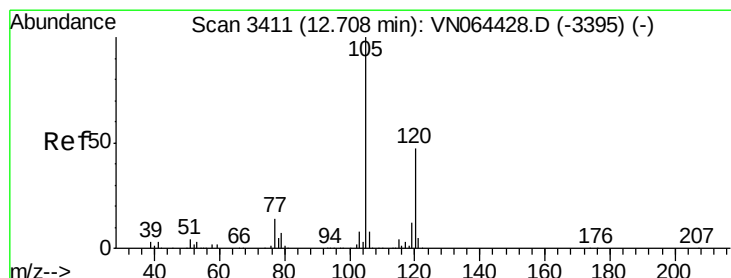
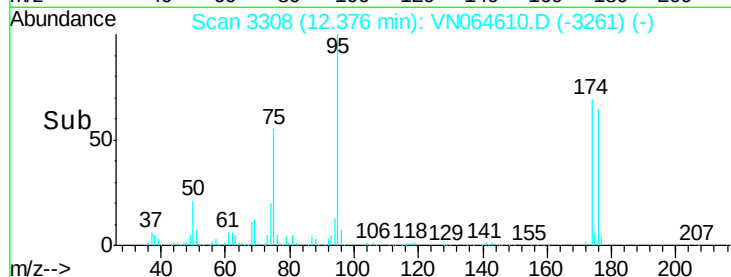
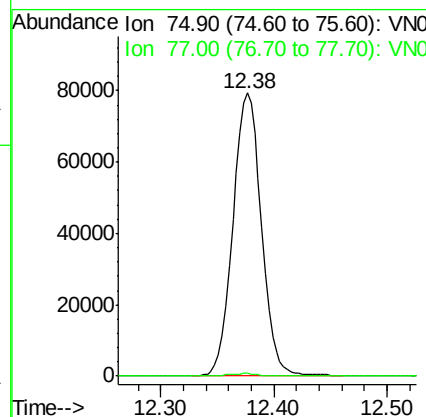
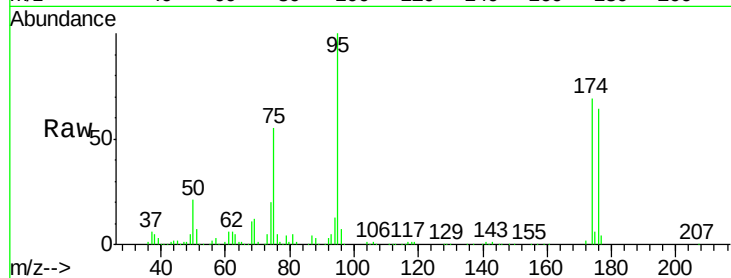




#76
 1,2,3-Trichloropropane
 Concen: 28.533 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064610.D
 Acq: 13 Nov 2020 4:09

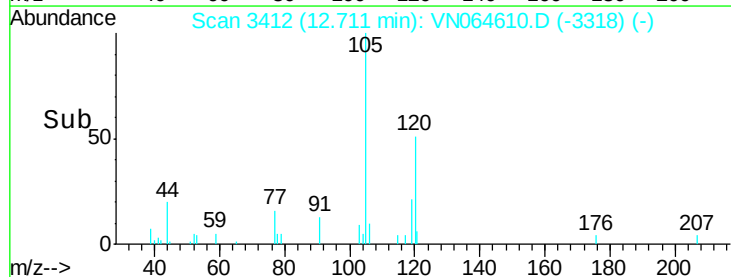
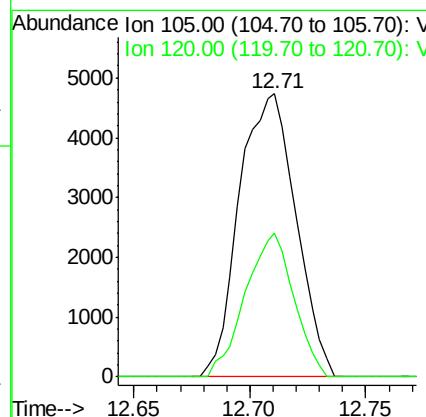
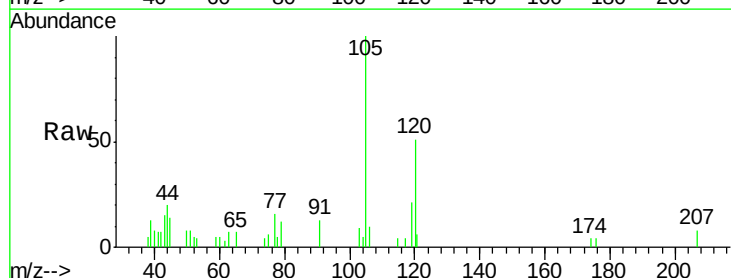
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#08

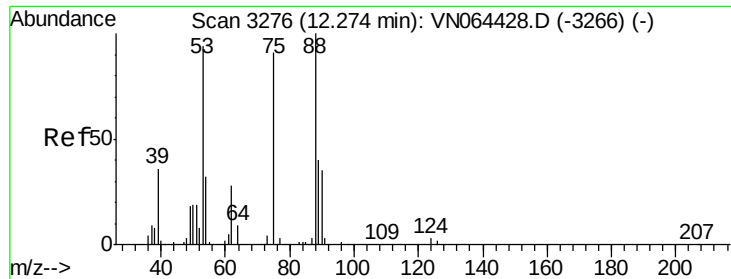
Tot Ion: 75 Resp: 139075
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.607 ug/l
 RT: 12.71 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN064610.D
 Acq: 13 Nov 2020 4:09

Tgt Ion: 105 Resp: 8007
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 79.667 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064610.D

Acq: 13 Nov 2020 4:09

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#08

Tot Ion: 75 Resp: 139075

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 36.3 54.5#

