

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064561.D
 Acq On : 11 Nov 2020 17:38
 Operator : JC/MD
 Sample : PB132934ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132934ZHE#05

Quant Time: Nov 12 01:33:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	241964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	529747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	573895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	203871	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	244751	58.07	ug/l	0.00
Spiked Amount			Recovery	=	116.14%	
35) Dibromofluoromethane	7.55	113	180398	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.06	98	695276	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.38	95	260715	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	

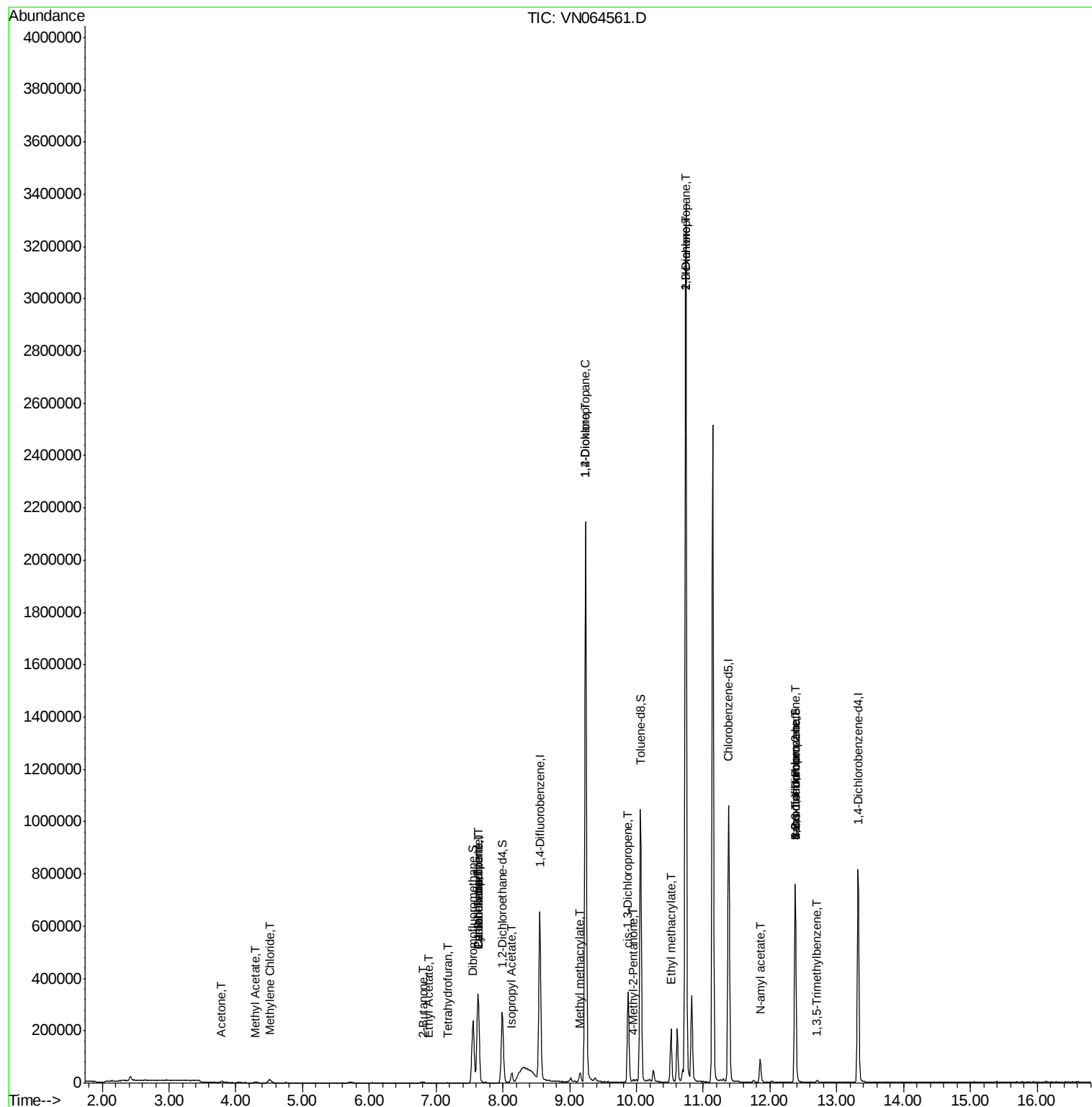
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	10331	6.435	ug/l	95
18) Methyl Acetate	4.30	43	3196	1.013	ug/l #	60
20) Methylene Chloride	4.51	84	9094	2.855	ug/l	92
25) 2-Butanone	6.80	43	1152	0.563	ug/l #	52
29) Tetrahydrofuran	7.18	42	428	0.341	ug/l #	37
31) Cyclohexane	7.62	56	7589	1.481	ug/l #	46
36) 1,1-Dichloropropene	7.63	75	22455	4.012	ug/l #	52
37) Ethyl Acetate	6.89	43	272	0.810	ug/l #	71
38) Carbon Tetrachloride	7.63	117	28640	4.788	ug/l #	17
43) Isopropyl Acetate	8.14	43	44771	4.936	ug/l	98
45) 1,2-Dichloropropane	9.24	63	2668	0.608	ug/l #	45
48) Methyl methacrylate	9.14	41	8265	1.806	ug/l #	15
49) 1,4-Dioxane	9.23	88	32	0.531	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	6555	1.239	ug/l	98
54) cis-1,3-Dichloropropene	9.88	75	54221	7.702	ug/l #	69
56) Ethyl methacrylate	10.52	69	1801	2.111	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	31378	4.596	ug/l #	43
59) 2-Hexanone	10.74	43	515380	121.600	ug/l #	53
71) Bromoform	12.38	173	1199	1.607	ug/l #	1
74) N-amyl acetate	11.85	43	27307	4.605	ug/l #	58
76) 1,2,3-Trichloropropane	12.38	75	146476	29.653	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2865	0.214	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.38	75	146476	82.795	ug/l #	8

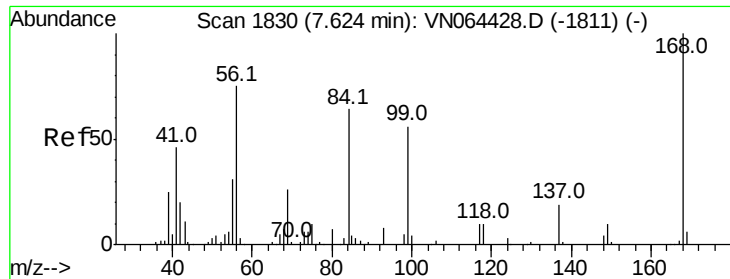
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111120\
Data File : VN064561.D
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Sample : PB132934ZHE#05
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
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Quant Time: Nov 12 01:33:30 2020
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

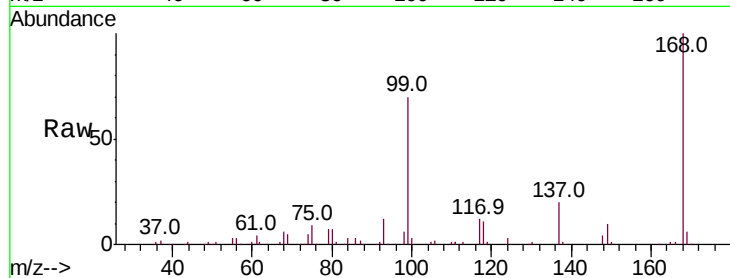
PB132934ZHE#05

Tot Ion:168 Resp: 241964

Ion Ratio Lower Upper

168 100

99 70.3 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

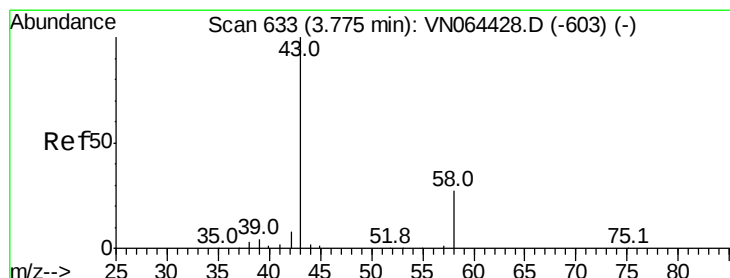
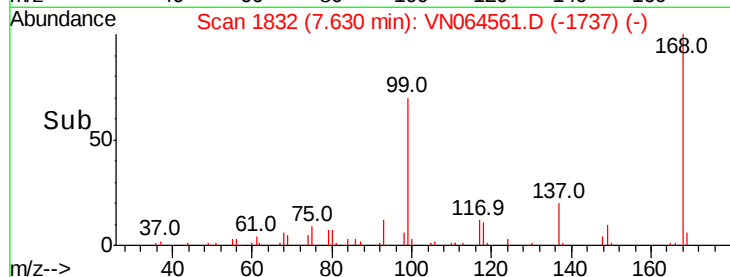
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#16

Acetone

Concen: 6.435 ug/l

RT: 3.79 min Scan# 638

Delta R.T. 0.02 min

Lab File: VN064561.D

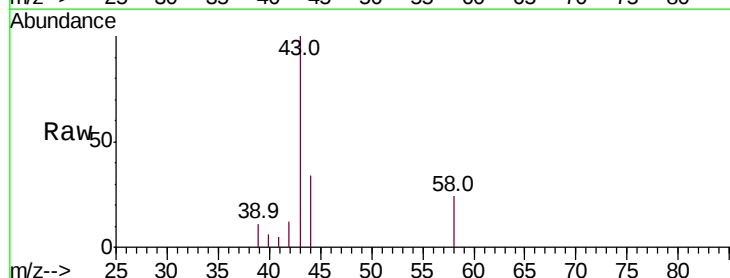
Acq: 11 Nov 2020 17:38

Tgt Ion: 43 Resp: 10331

Ion Ratio Lower Upper

43 100

58 24.2 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)

3.79

4000

3000

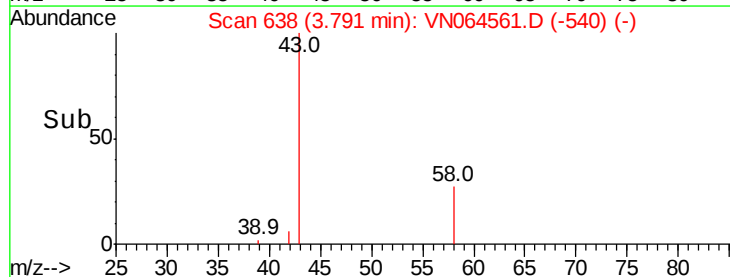
2000

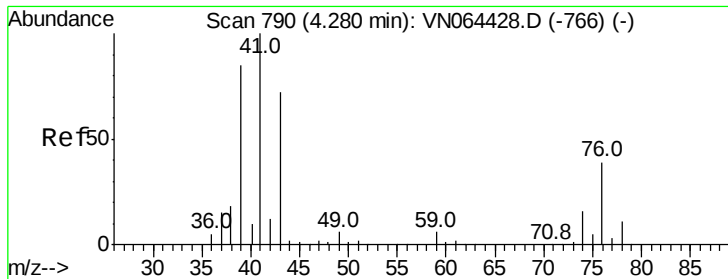
1000

0

Time-->

3.70 3.75 3.80 3.85

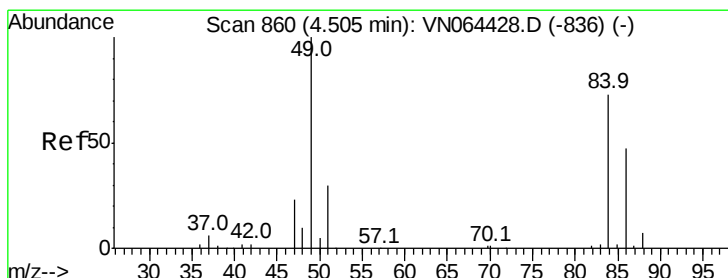
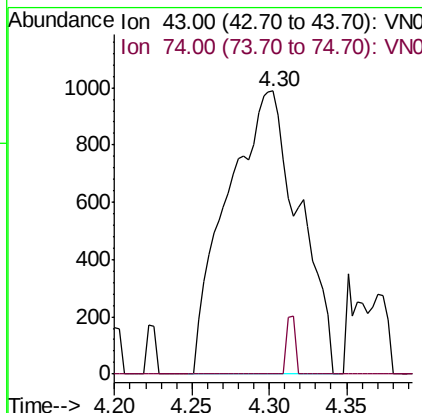
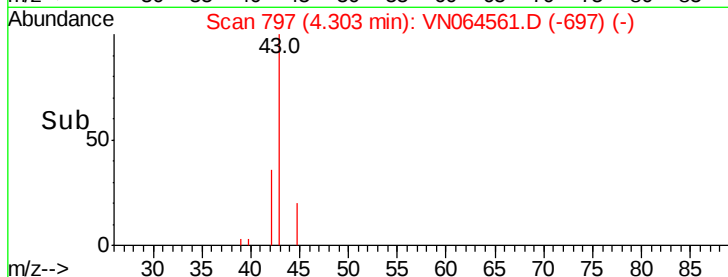
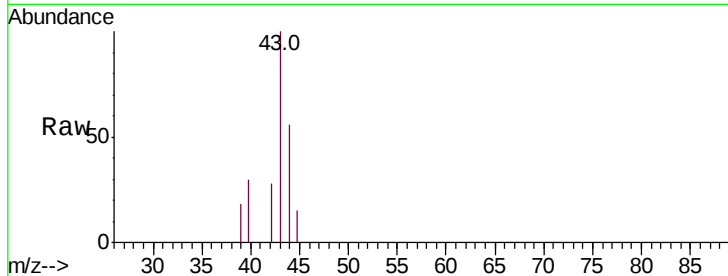




#18
Methyl Acetate
Concen: 1.013 ug/l
RT: 4.30 min Scan# 797
Delta R.T. 0.02 min
Lab File: VN064561.D
Acq: 11 Nov 2020 17:38

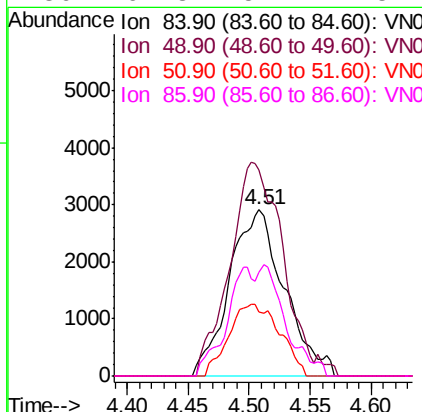
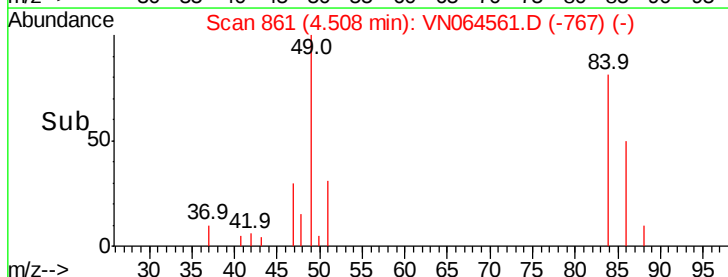
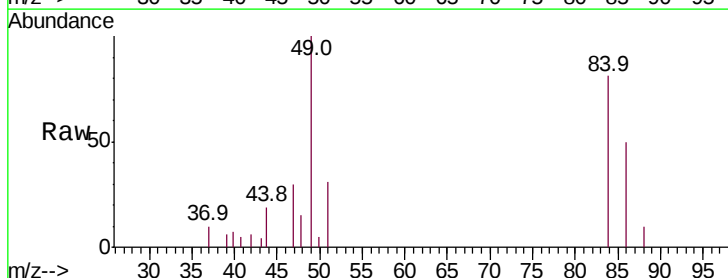
Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#05

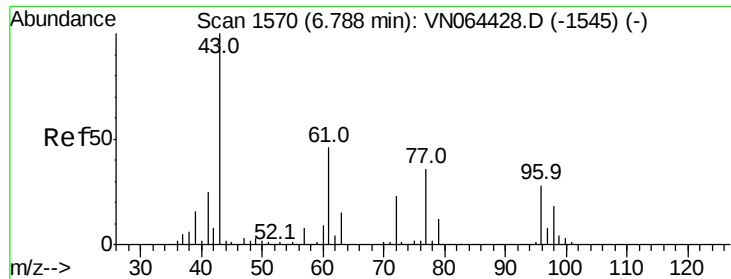
Tot Ion: 43 Resp: 3196
Ion Ratio Lower Upper
43 100
74 2.4 17.0 25.4#



#20
Methylene Chloride
Concen: 2.855 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064561.D
Acq: 11 Nov 2020 17:38

Tgt Ion: 84 Resp: 9094
Ion Ratio Lower Upper
84 100
49 123.8 110.1 165.1
51 38.6 33.6 50.4
86 62.3 52.1 78.1





#25

2-Butanone

Concen: 0.563 ug/l

RT: 6.80 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

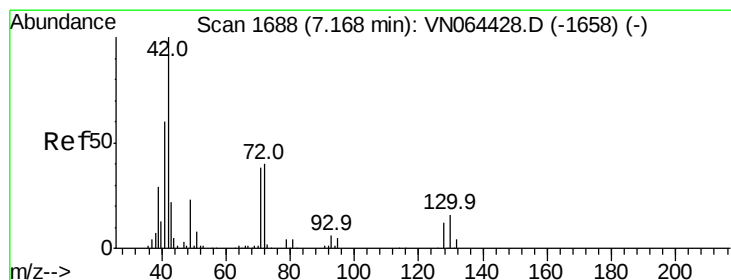
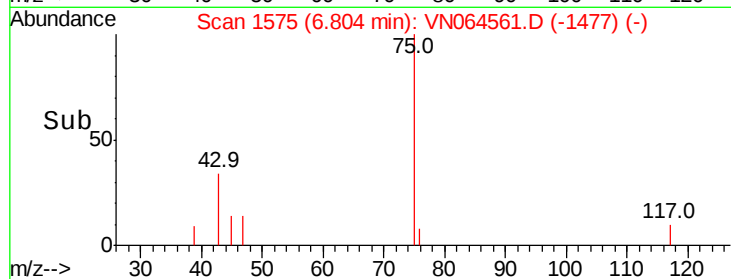
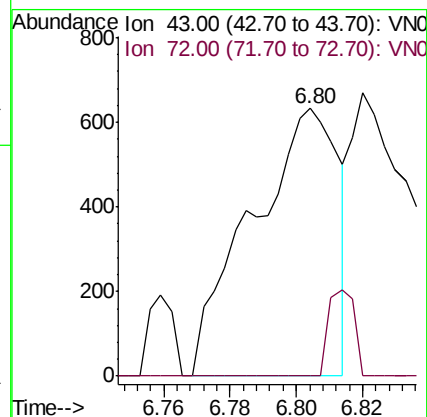
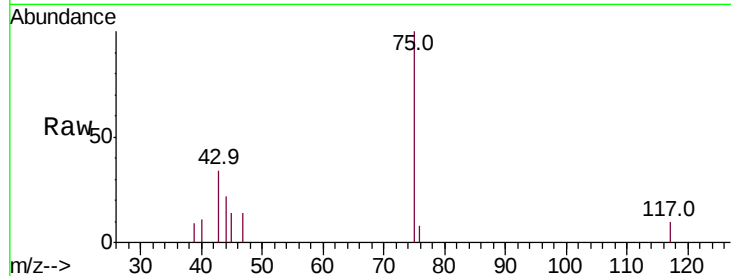
PB132934ZHE#05

Tot Ion: 43 Resp: 1152

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.341 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

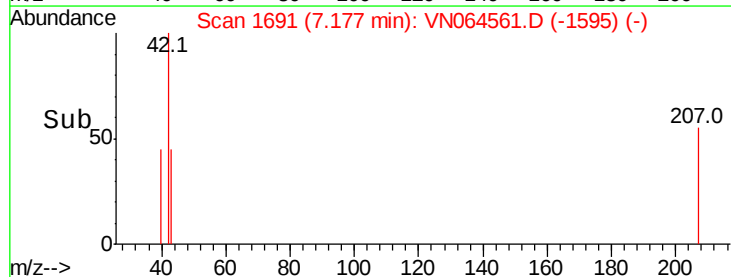
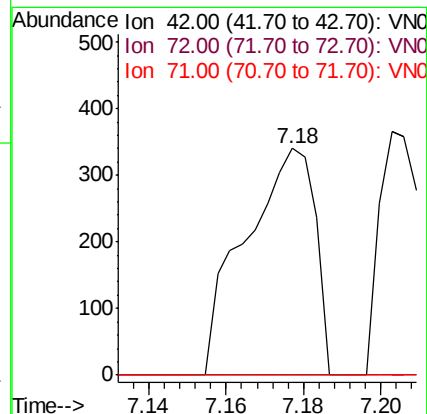
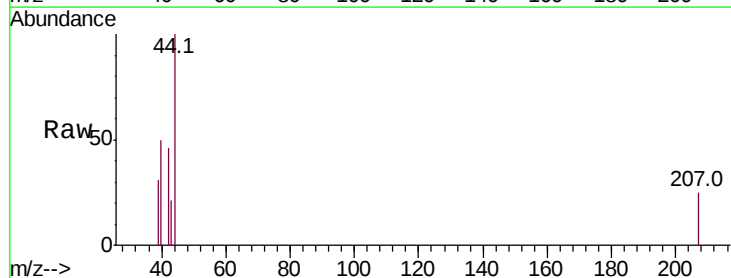
Tgt Ion: 42 Resp: 428

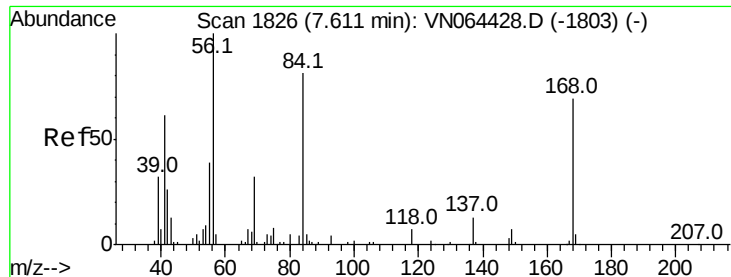
Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

71 0.0 29.8 44.6#

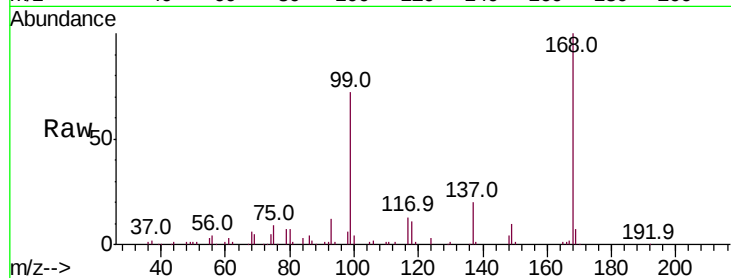




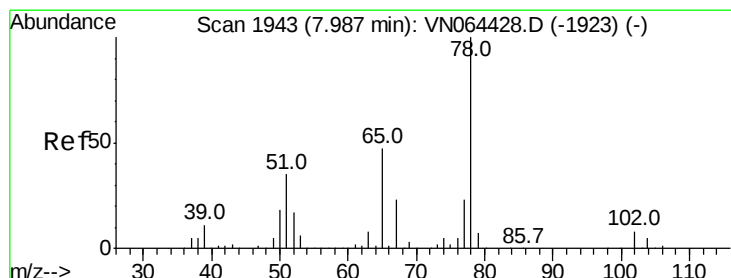
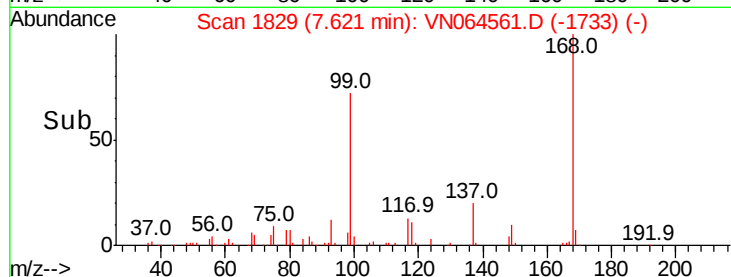
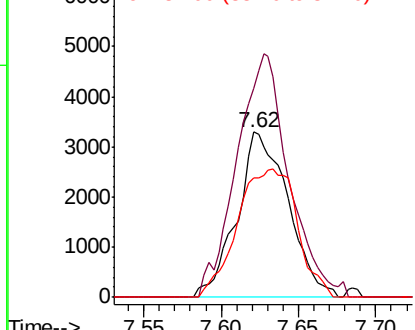
#31
Cyclohexane
Concen: 1.481 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064561.D
Acq: 11 Nov 2020 17:38

Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#05

Tot Ion: 56 Resp: 7589
Ion Ratio Lower Upper
56 100
69 126.6 25.6 38.4#
84 72.3 63.0 94.6

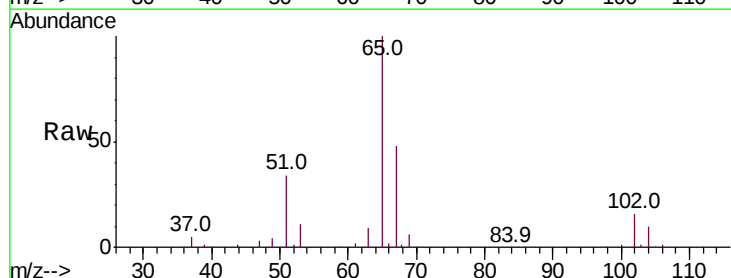


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

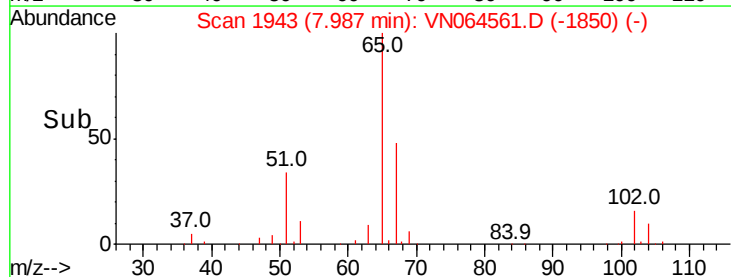
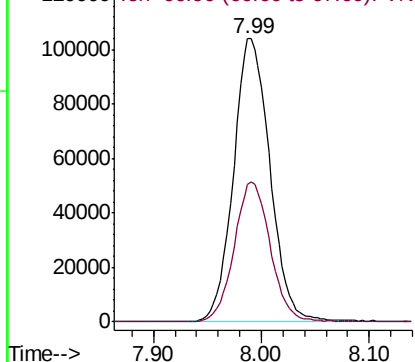


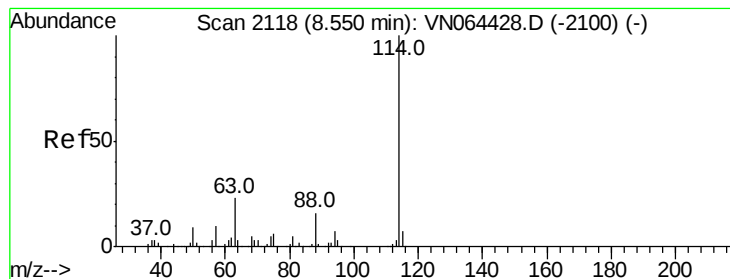
#33
1,2-Dichloroethane-d4
Concen: 58.072 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064561.D
Acq: 11 Nov 2020 17:38

Tgt Ion: 65 Resp: 244751
Ion Ratio Lower Upper
65 100
67 49.0 0.0 101.6



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# 2119

Delta R.T. 0.00 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#05

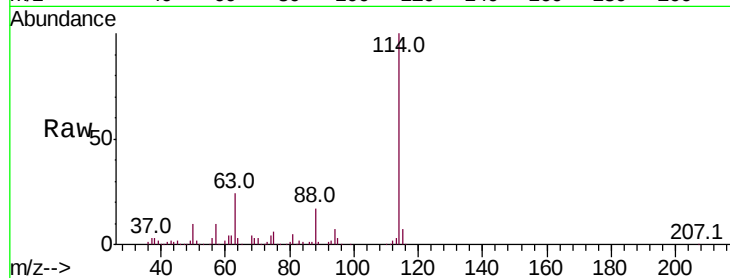
Tot Ion:114 Resp: 529747

Ion Ratio Lower Upper

114 100

63 23.7 0.0 45.6

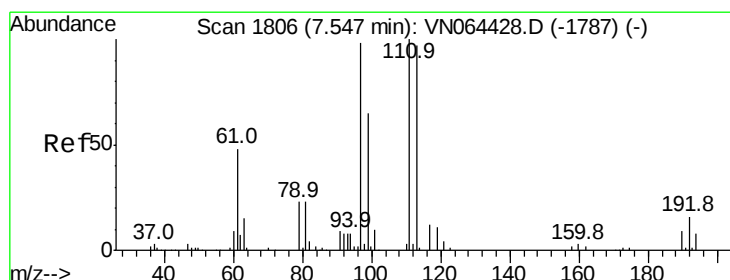
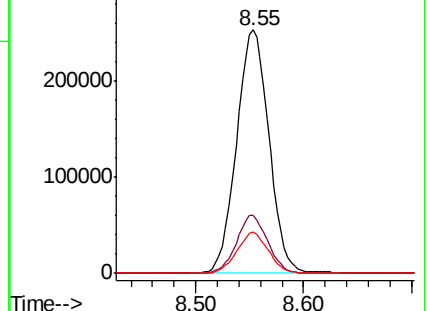
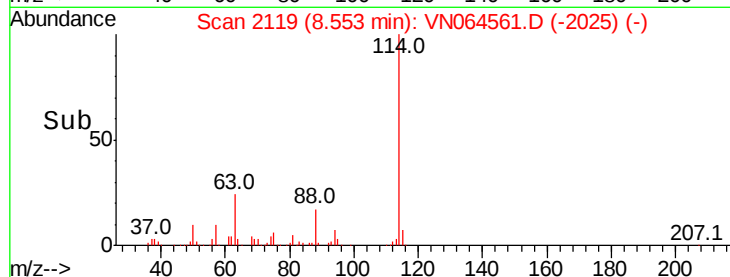
88 16.8 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.015 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

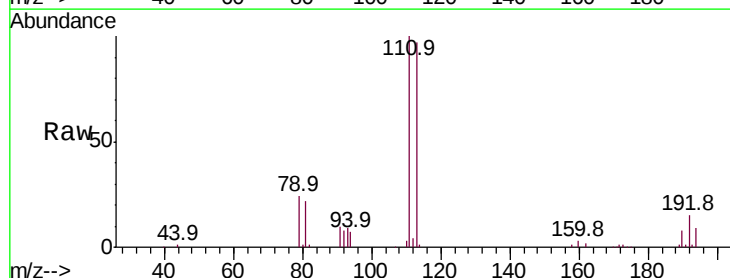
Tgt Ion:113 Resp: 180398

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

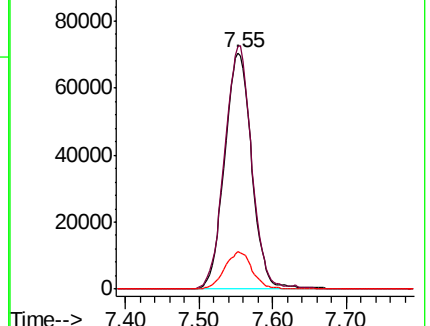
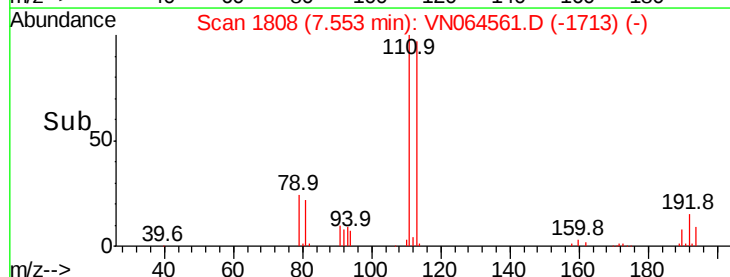
192 15.8 12.8 19.2

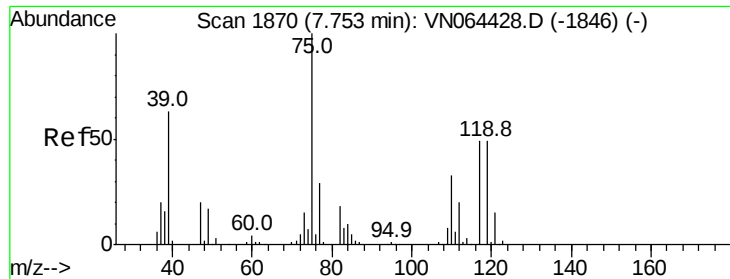


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

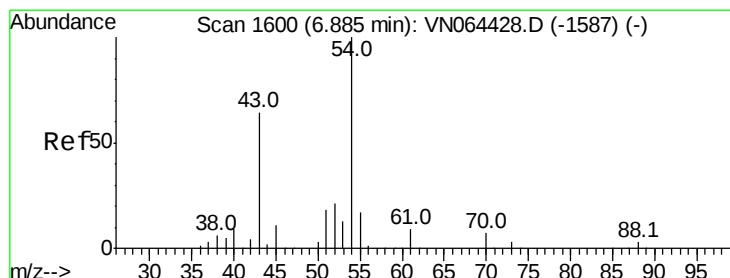
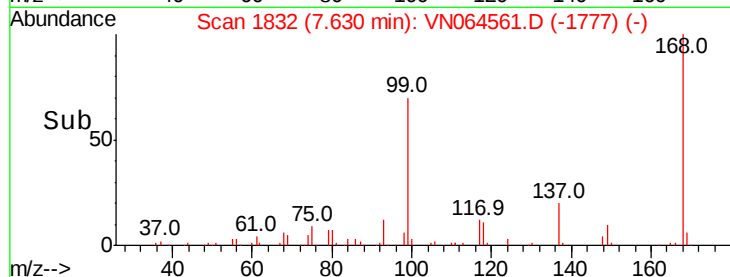
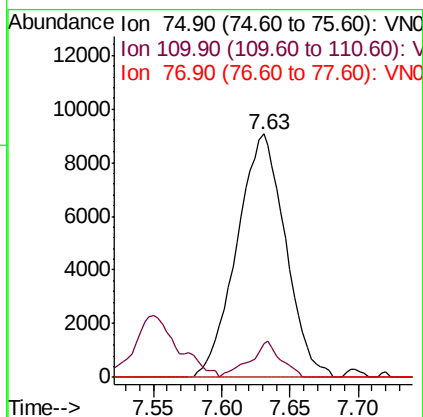
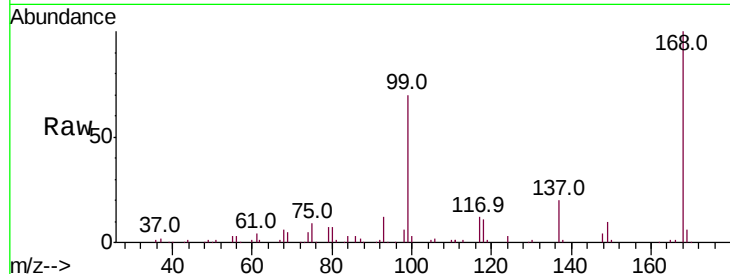




#36
 1,1-Dichloropropene
 Concen: 4.012 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064561.D
 Acq: 11 Nov 2020 17:38

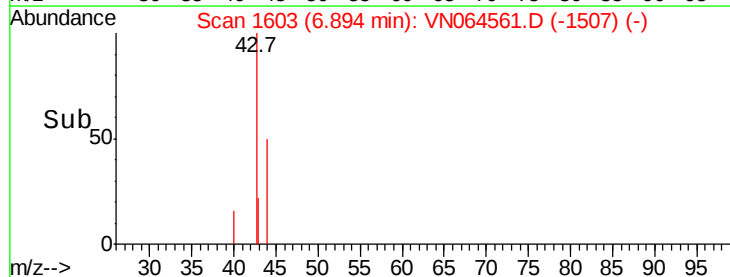
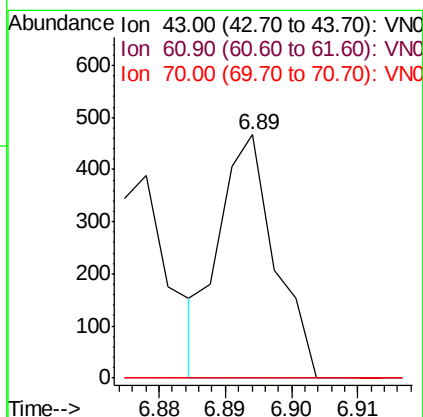
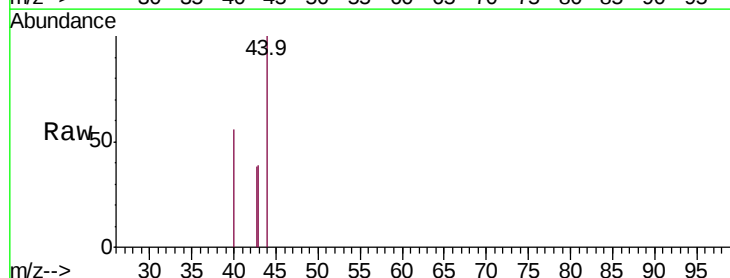
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132934ZHE#05

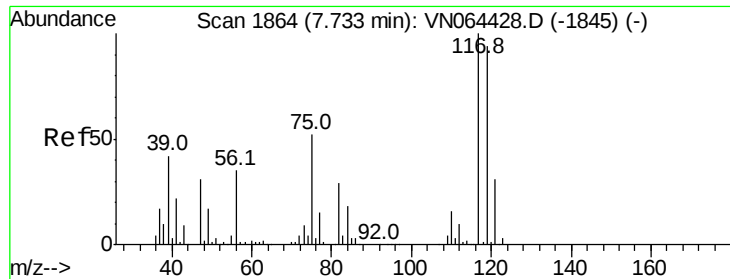
Tot Ion: 75 Resp: 22455
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.810 ug/l
 RT: 6.89 min Scan# 1603
 Delta R.T. 0.01 min
 Lab File: VN064561.D
 Acq: 11 Nov 2020 17:38

Tgt Ion: 43 Resp: 272
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.788 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#05

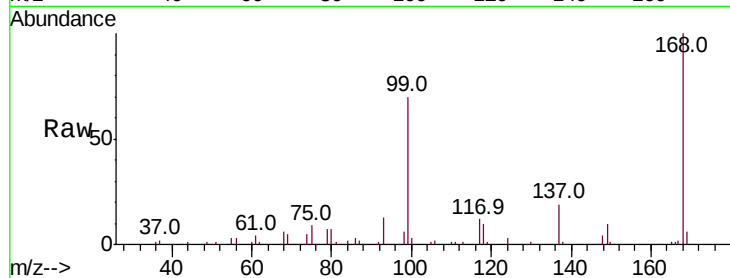
Tot Ion:117 Resp: 28640

Ion Ratio Lower Upper

117 100

119 5.8 75.5 113.3#

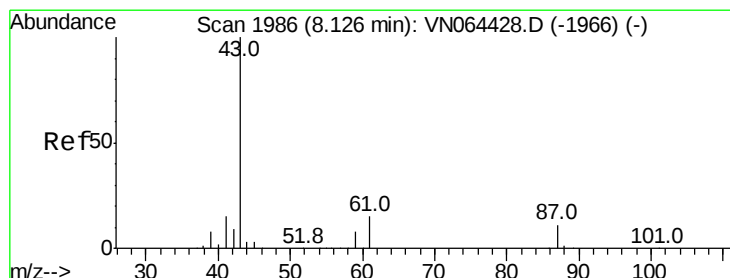
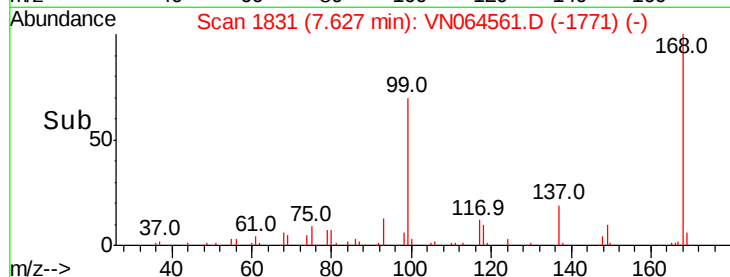
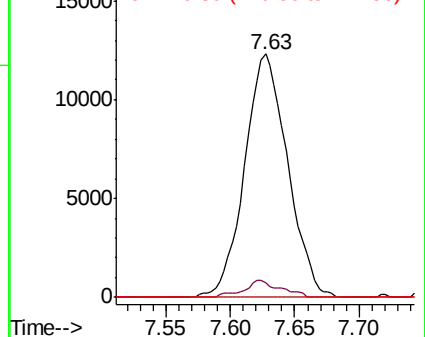
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 4.936 ug/l

RT: 8.14 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

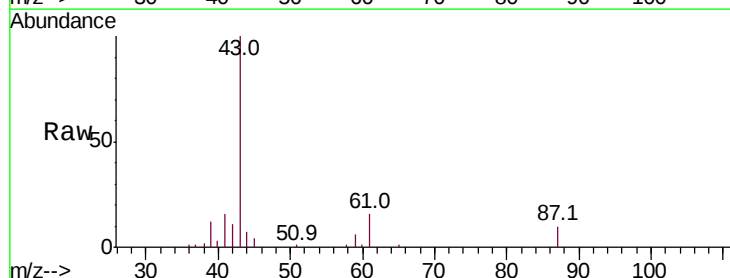
Tgt Ion: 43 Resp: 44771

Ion Ratio Lower Upper

43 100

61 16.5 14.0 21.0

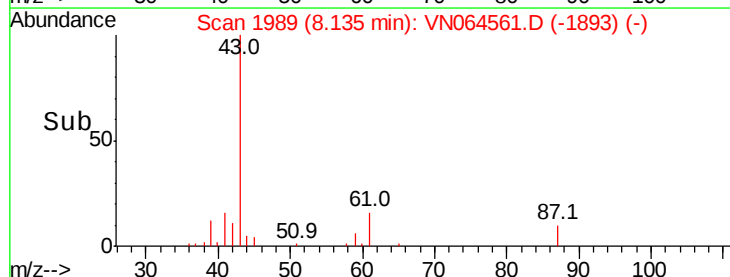
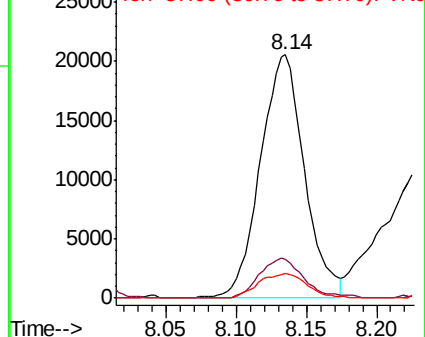
87 11.1 9.1 13.7

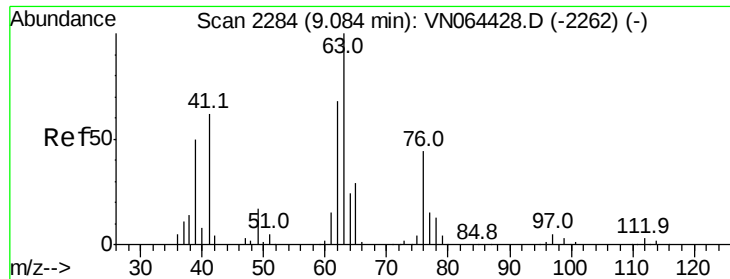


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

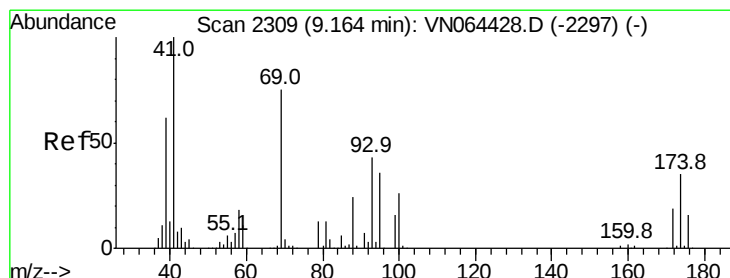
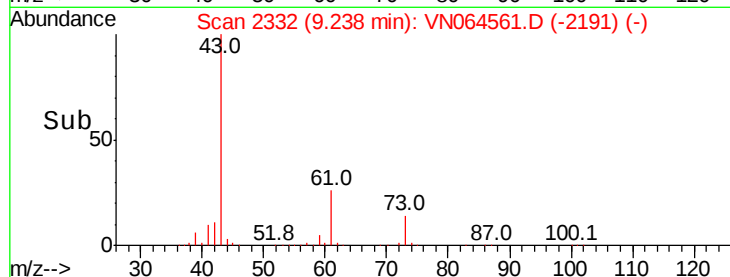
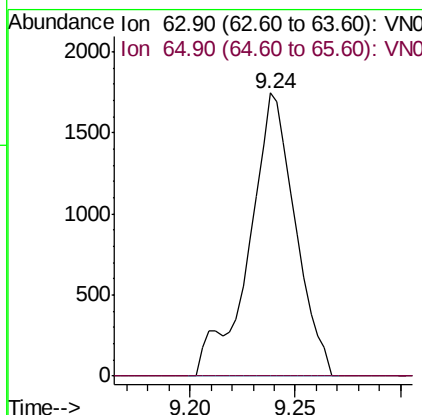
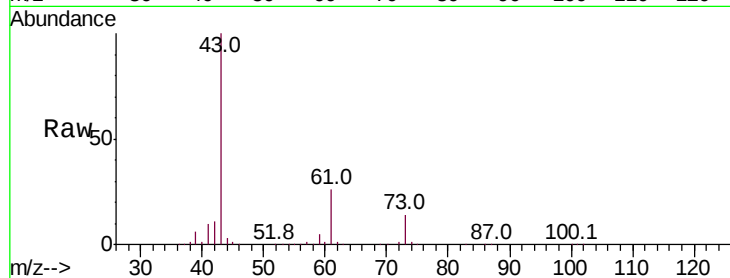




#45
 1,2-Dichloropropane
 Concen: 0.608 ug/l
 RT: 9.24 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN064561.D
 Acq: 11 Nov 2020 17:38

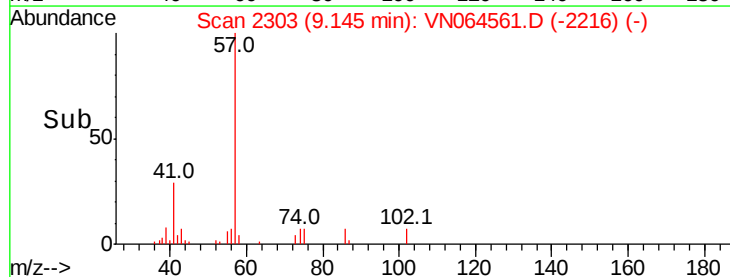
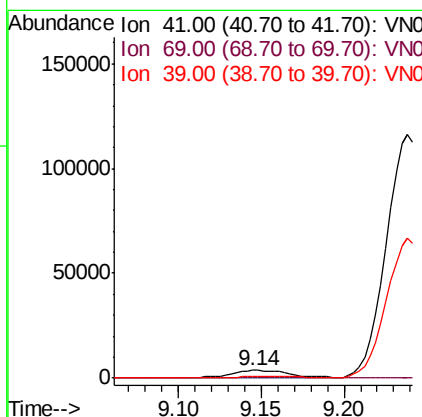
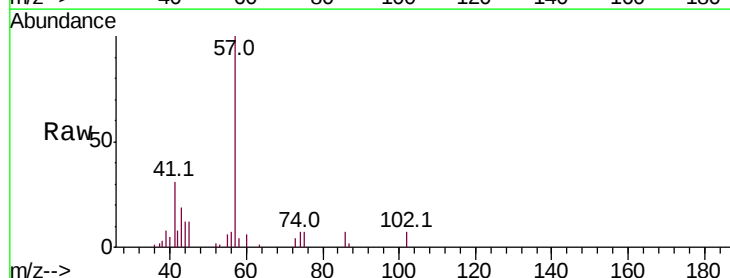
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132934ZHE#05

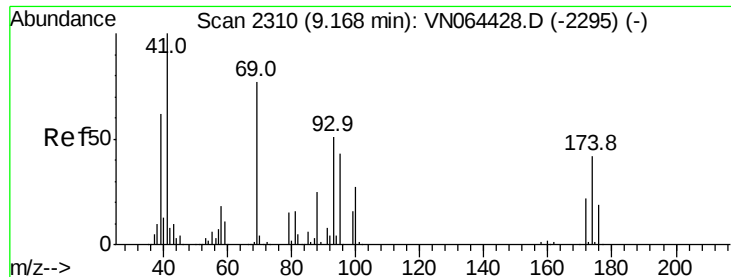
Tot Ion: 63 Resp: 2668
 Ion Ratio Lower Upper
 63 100
 65 0.0 23.6 35.4#



#48
 Methyl methacrylate
 Concen: 1.806 ug/l
 RT: 9.14 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN064561.D
 Acq: 11 Nov 2020 17:38

Tgt Ion: 41 Resp: 8265
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.4 90.6#
 39 0.0 51.2 76.8#





#49

1,4-Dioxane

Concen: 0.531 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#05

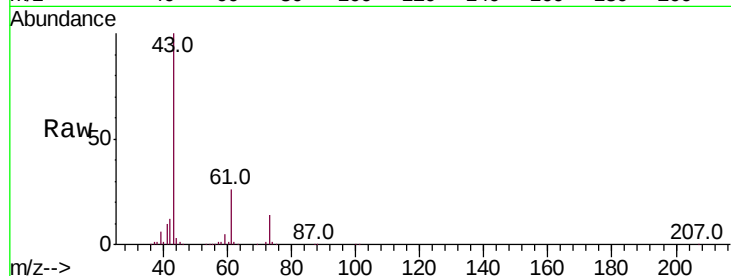
Tot Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 6597056.3 31.0 46.6#

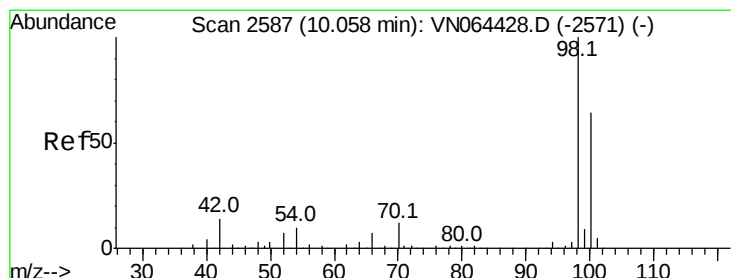
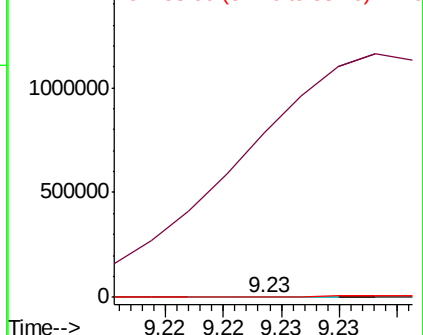
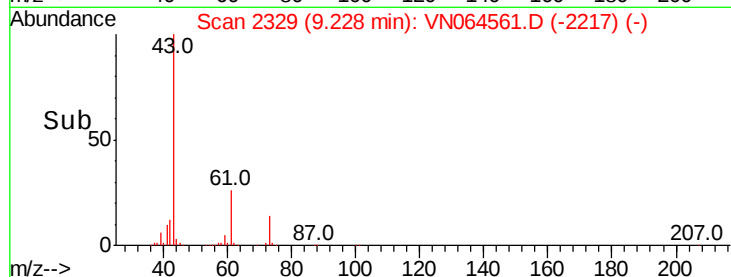
58 33309.4 58.4 87.6#



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: 49.875 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064561.D

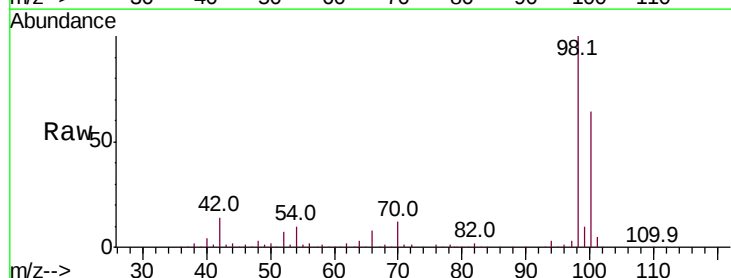
Acq: 11 Nov 2020 17:38

Tgt Ion: 98 Resp: 695276

Ion Ratio Lower Upper

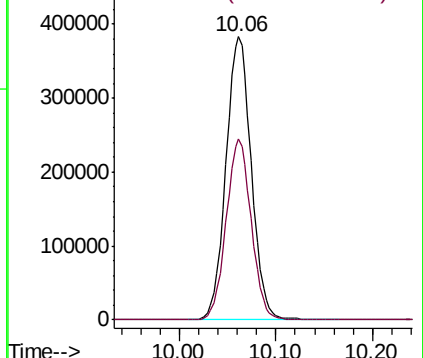
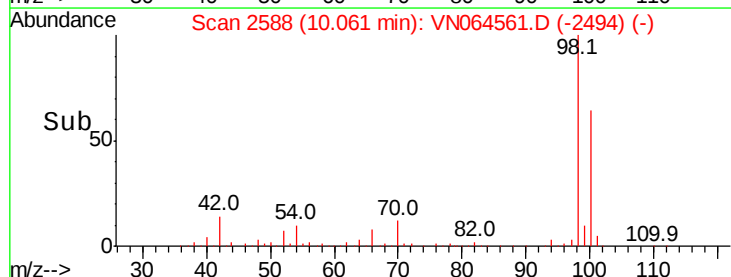
98 100

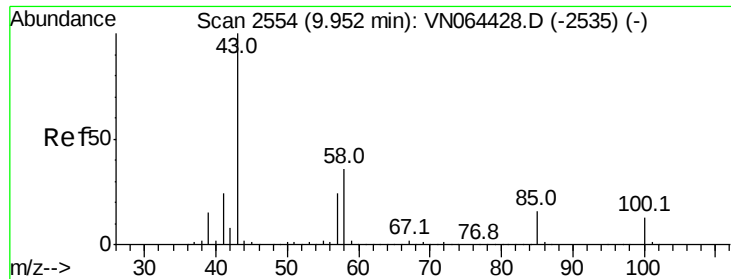
100 62.9 50.7 76.1



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: 1.239 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

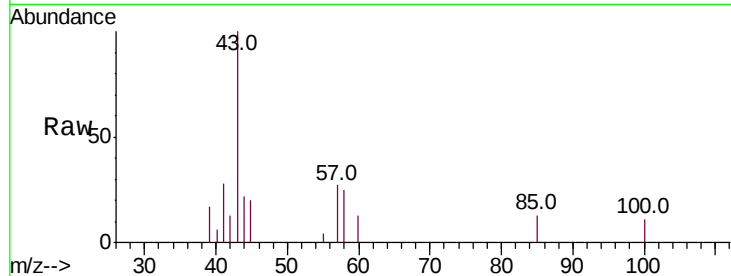
PB132934ZHE#05

Tot Ion: 43 Resp: 6555

Ion Ratio Lower Upper

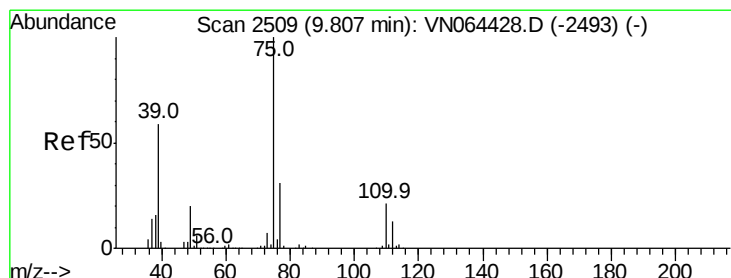
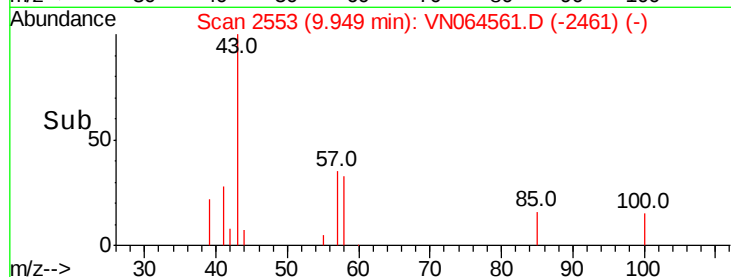
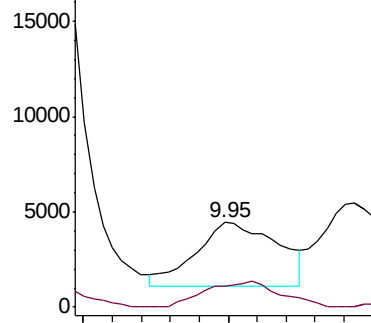
43 100

58 36.7 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)



#54

cis-1,3-Dichloropropene

Concen: 7.702 ug/l

RT: 9.88 min Scan# 2531

Delta R.T. 0.07 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

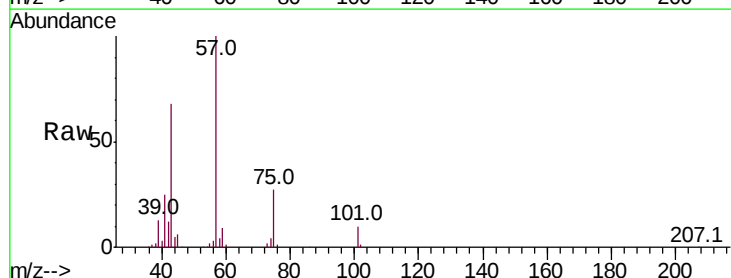
Tgt Ion: 75 Resp: 54221

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#

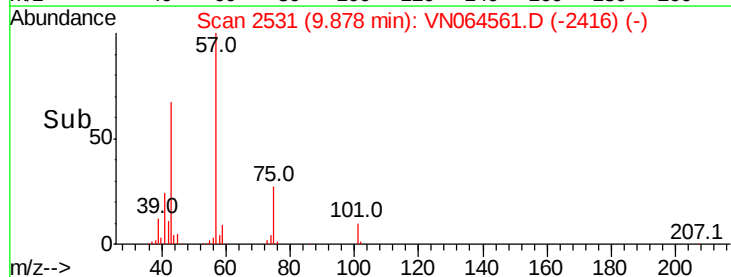
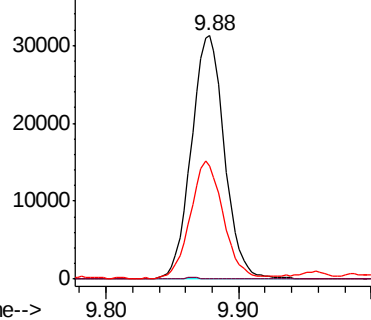
39 46.3 47.1 70.7#

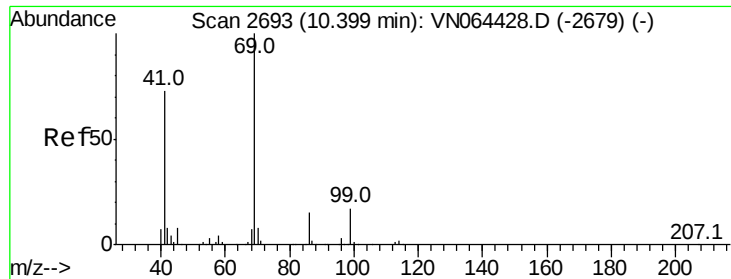


Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN064428.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN064428.D (-2493) (-)





#56

Ethyl methacrylate

Concen: 2.111 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#05

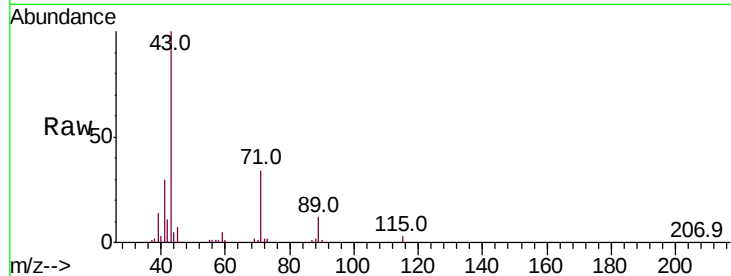
Tot Ion: 69 Resp: 1801

Ion Ratio Lower Upper

69 100

41 2471.2 59.3 88.9#

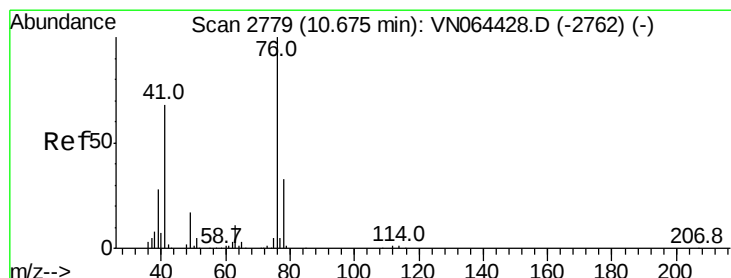
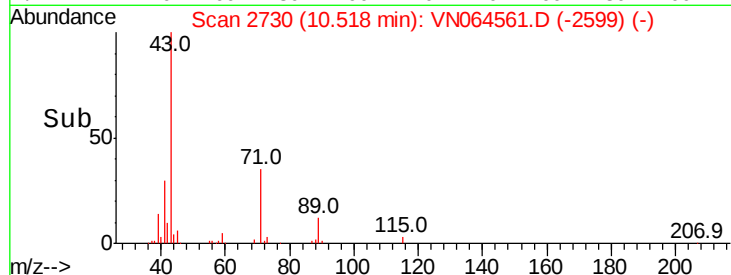
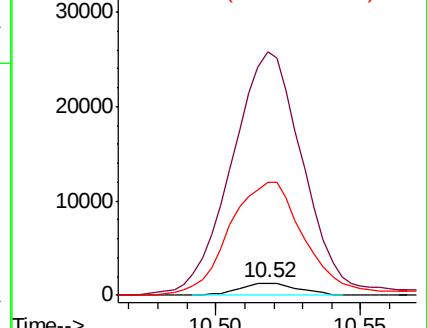
39 1198.8 35.4 53.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 4.596 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN064561.D

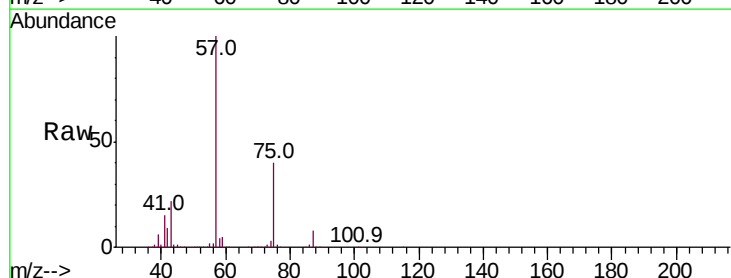
Acq: 11 Nov 2020 17:38

Tgt Ion: 76 Resp: 31378

Ion Ratio Lower Upper

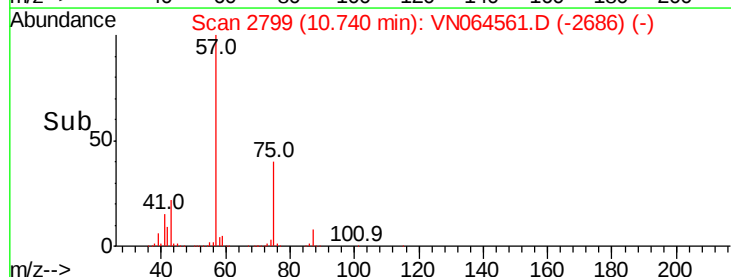
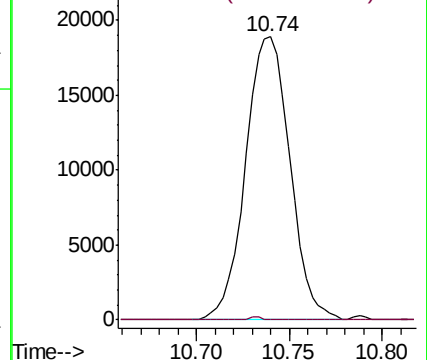
76 100

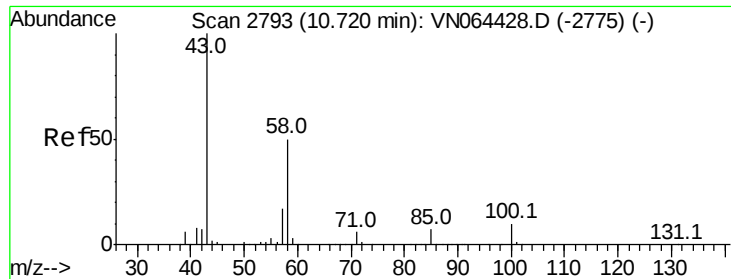
78 0.3 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#59

2-Hexanone

Concen: 121.600 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.02 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

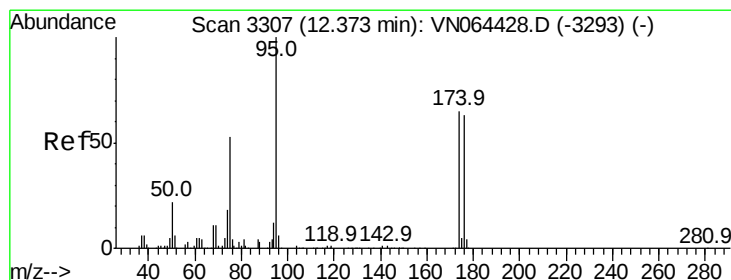
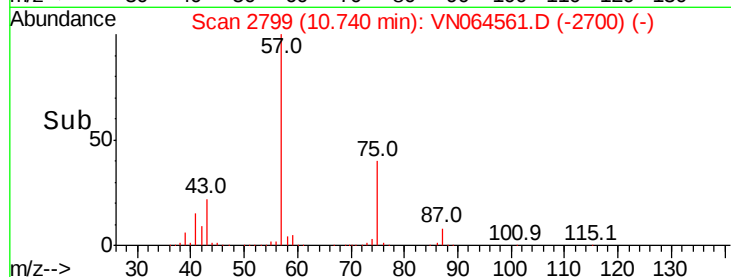
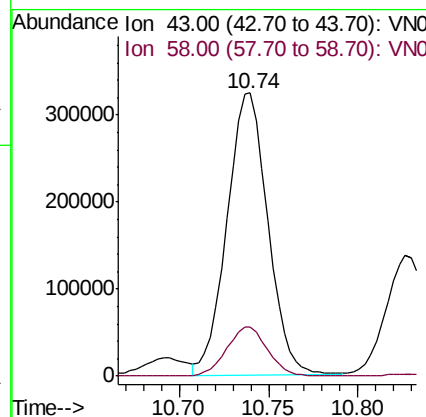
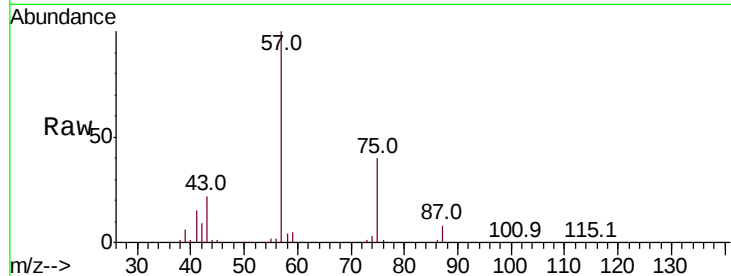
PB132934ZHE#05

Tot Ion: 43 Resp: 515380

Ion Ratio Lower Upper

43 100

58 17.3 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 49.452 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

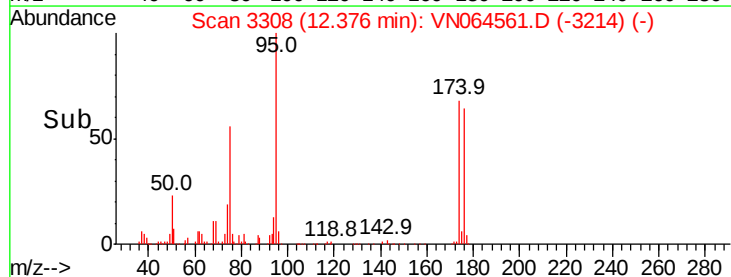
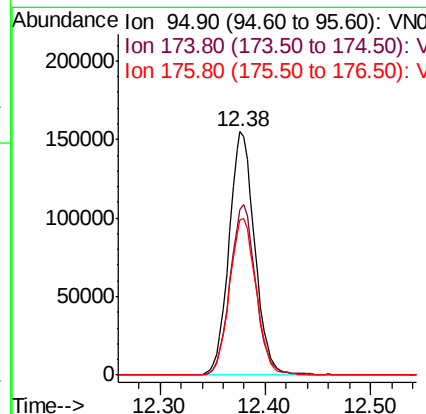
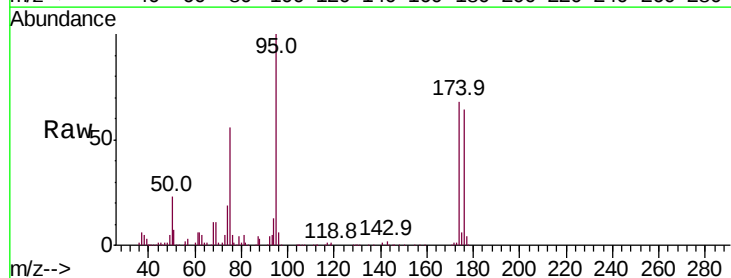
Tgt Ion: 95 Resp: 260715

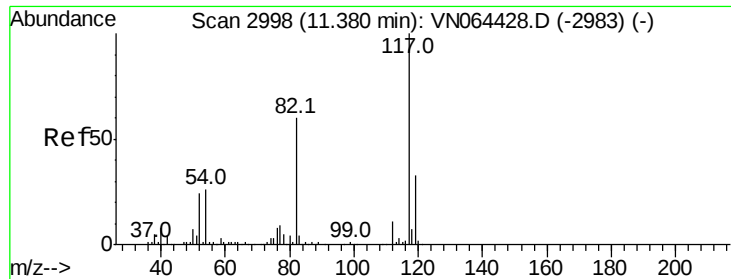
Ion Ratio Lower Upper

95 100

174 69.7 0.0 132.6

176 66.5 0.0 129.2

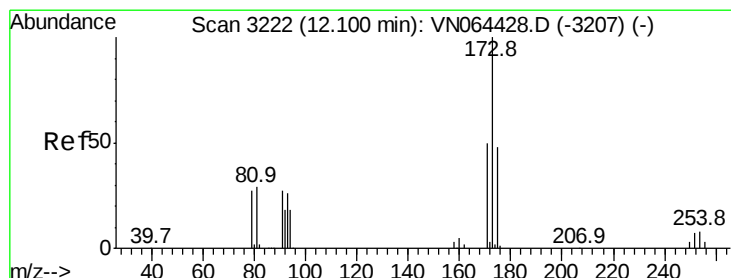
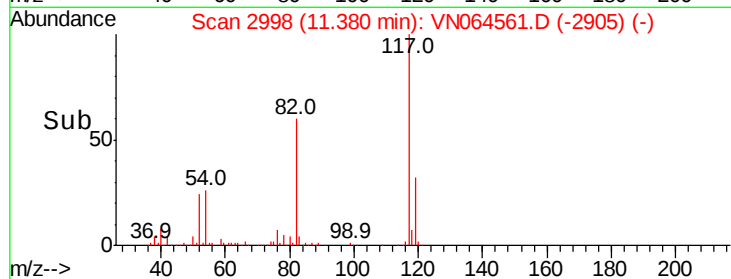
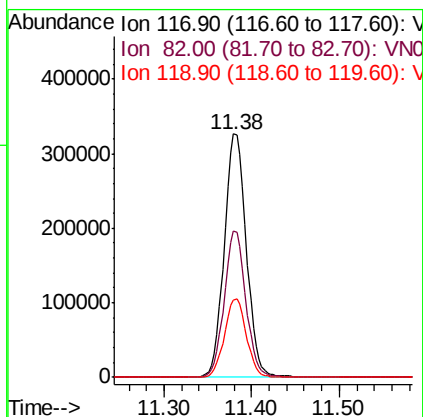
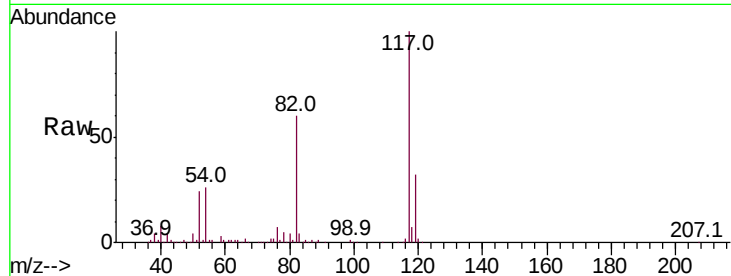




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064561.D
Acq: 11 Nov 2020 17:38

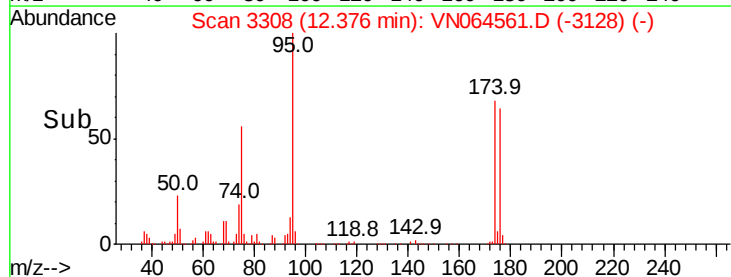
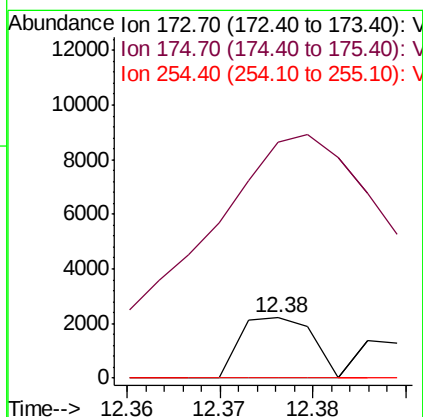
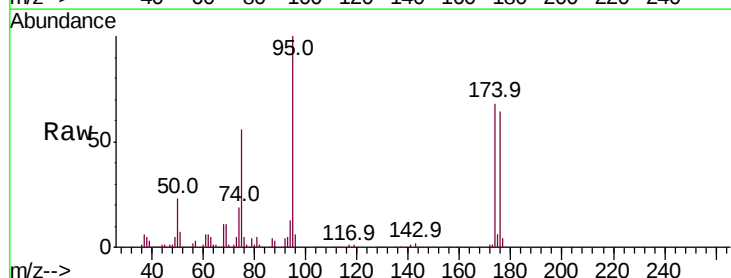
Instrument :
MSVOA_N
ClientSampleId :
PB132934ZHE#05

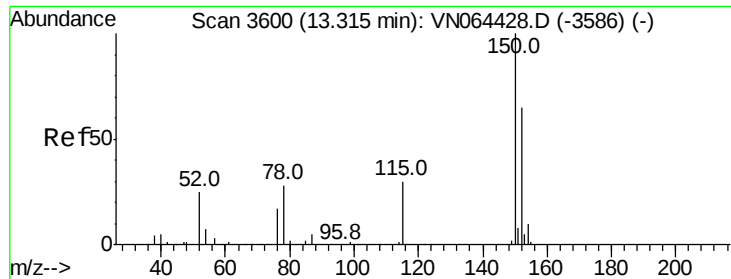
Tot Ion:117 Resp: 573895
Ion Ratio Lower Upper
117 100
82 60.1 48.1 72.1
119 31.9 26.2 39.4



#71
Bromoform
Concen: 1.607 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064561.D
Acq: 11 Nov 2020 17:38

Tgt Ion:173 Resp: 1199
Ion Ratio Lower Upper
173 100
175 946.8 23.7 71.1#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.01 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#05

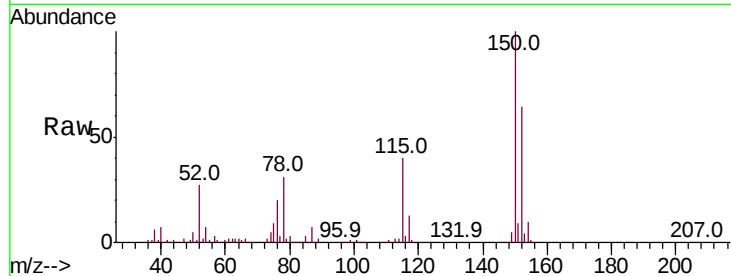
Tot Ion:152 Resp: 203871

Ion Ratio Lower Upper

152 100

115 64.8 32.0 96.0

150 158.4 0.0 353.8

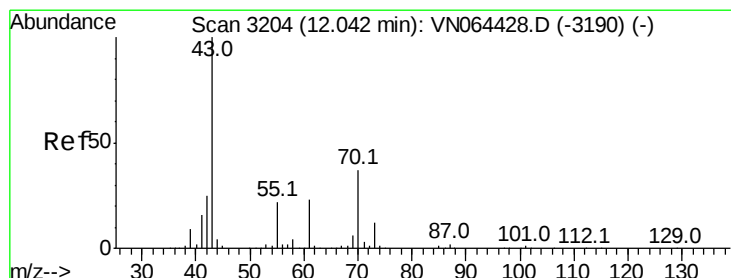
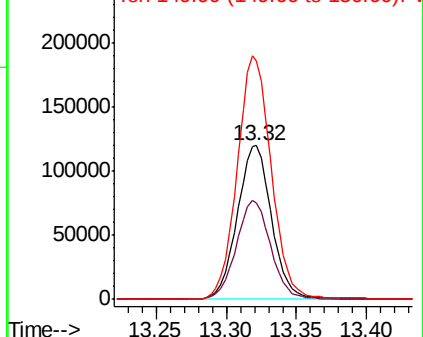
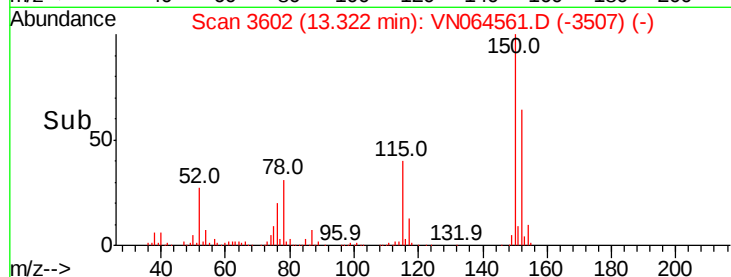


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 4.605 ug/l

RT: 11.85 min Scan# 3145

Delta R.T. -0.19 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Tgt Ion: 43 Resp: 27307

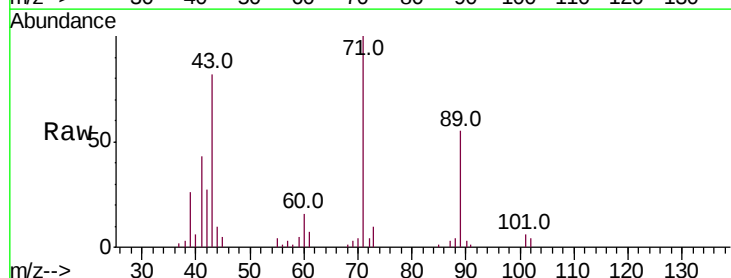
Ion Ratio Lower Upper

43 100

70 3.3 29.6 44.4#

55 7.0 18.4 27.6#

61 8.7 17.8 26.6#



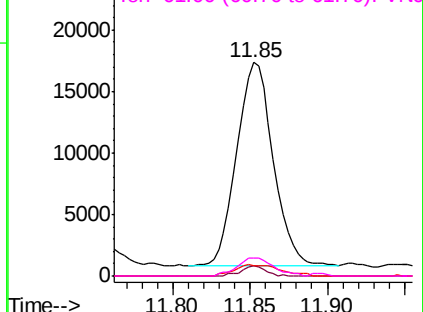
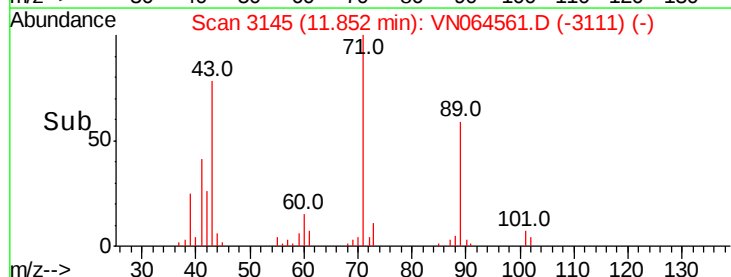
Abundance

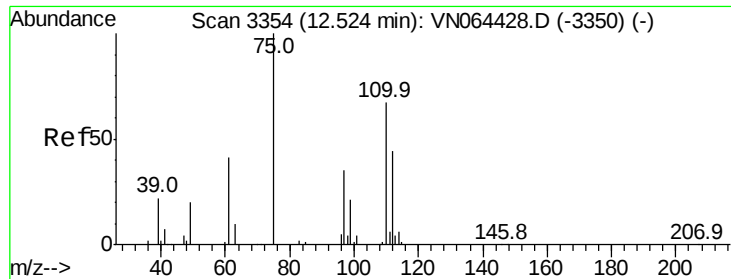
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.653 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

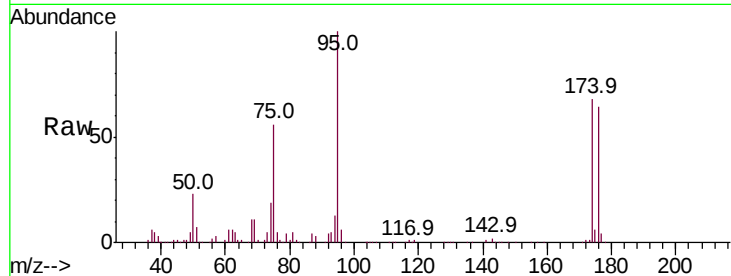
PB132934ZHE#05

Tot Ion: 75 Resp: 146476

Ion Ratio Lower Upper

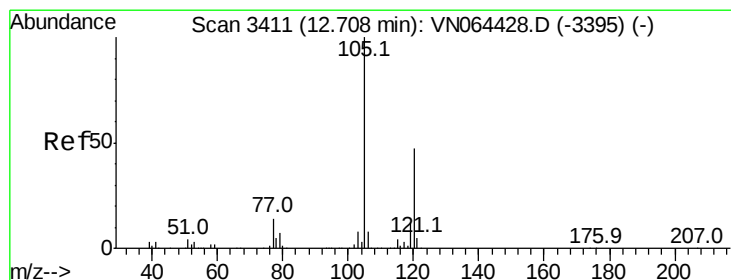
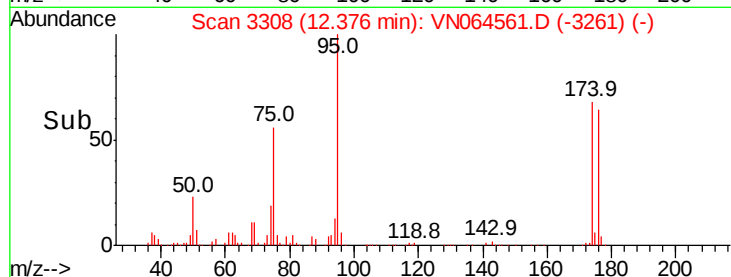
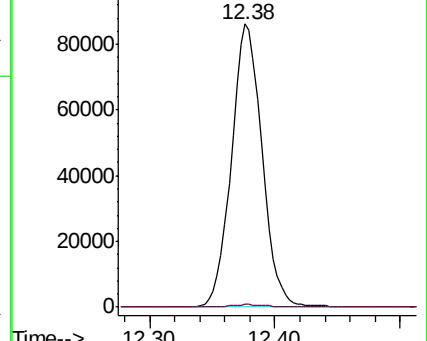
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064428.D (-3350) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.214 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN064561.D

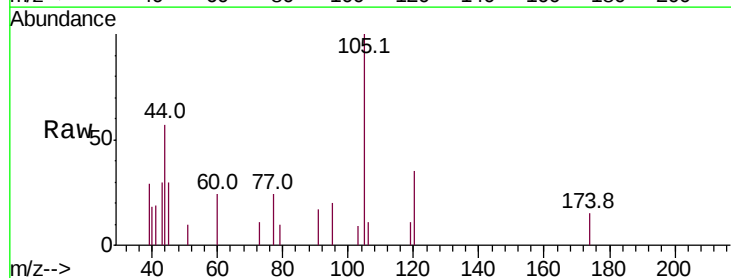
Acq: 11 Nov 2020 17:38

Tgt Ion: 105 Resp: 2865

Ion Ratio Lower Upper

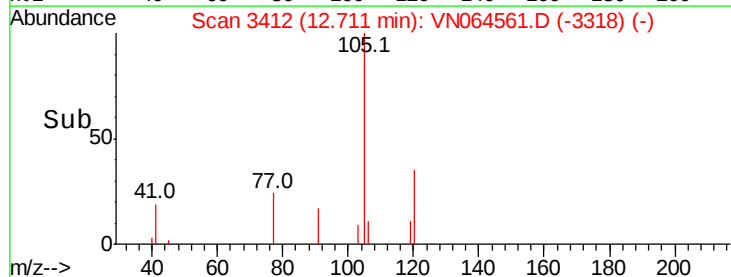
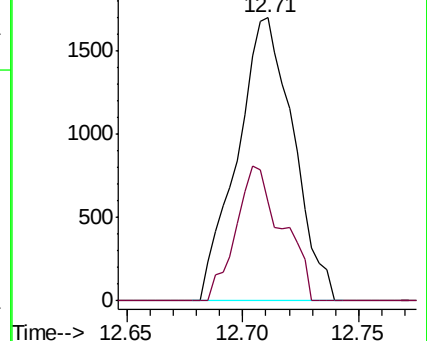
105 100

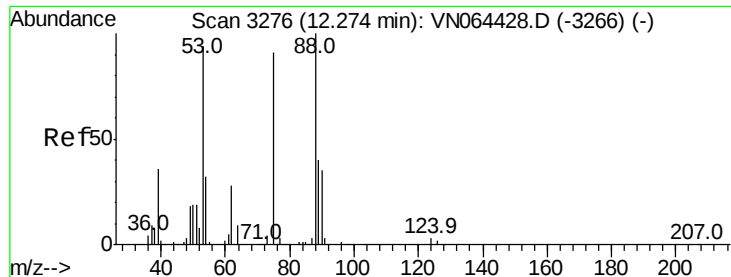
120 39.2 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 82.795 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064561.D

Acq: 11 Nov 2020 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB132934ZHE#05

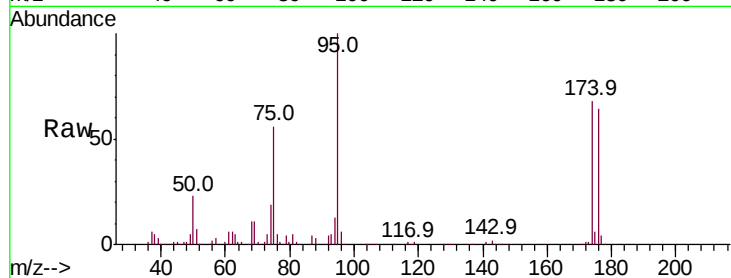
Tot Ion: 75 Resp: 146476

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

