

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064449.D
 Acq On : 4 Nov 2020 20:27
 Operator : JC/MD
 Sample : PB132810ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132810ZHE#04

Quant Time: Nov 05 00:50:29 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	237235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	512194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182040	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	223369	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	7.55	113	161179	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
50) Toluene-d8	10.06	98	635901	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.38	95	245772	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	

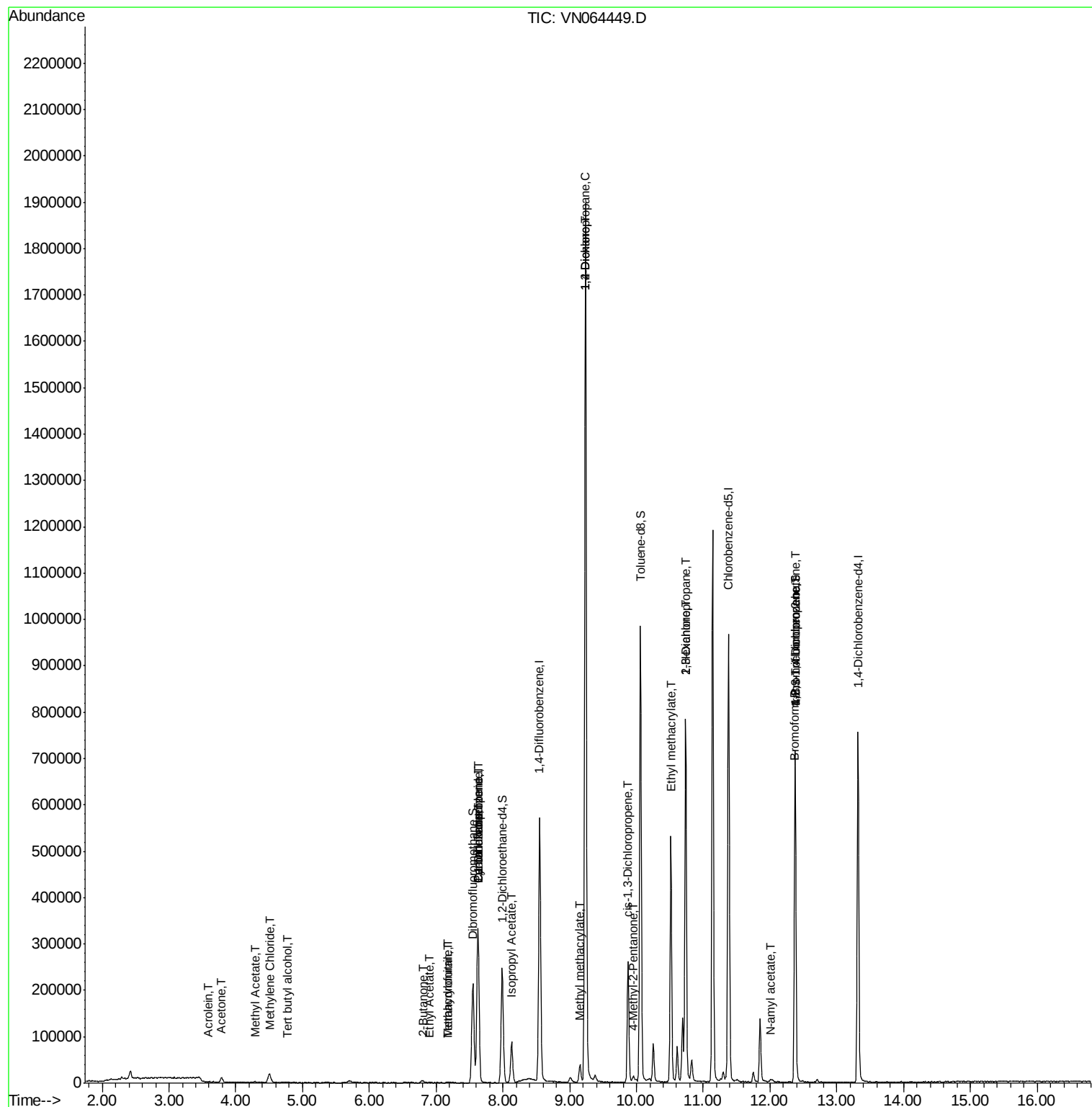
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	101	0.222	ug/l #	71
13) Acrolein	3.59	56	65	0.230	ug/l #	60
16) Acetone	3.79	43	17083	10.853	ug/l	98
18) Methyl Acetate	4.28	43	1616	0.522	ug/l #	55
20) Methylene Chloride	4.51	84	12585	4.030	ug/l	95
25) 2-Butanone	6.80	43	1083	0.540	ug/l #	75
29) Tetrahydrofuran	7.17	42	1048	0.852	ug/l #	74
31) Cyclohexane	7.62	56	7428	1.479	ug/l #	25
36) 1,1-Dichloropropene	7.63	75	23624	4.745	ug/l #	52
37) Ethyl Acetate	6.89	43	353	0.831	ug/l #	71
38) Carbon Tetrachloride	7.63	117	27490	5.167	ug/l #	17
41) Methacrylonitrile	7.17	41	1086	0.492	ug/l #	24
43) Isopropyl Acetate	8.13	43	101865	12.626	ug/l	100
45) 1,2-Dichloropropane	9.24	63	2059	0.527	ug/l #	45
48) Methyl methacrylate	9.15	41	5716	1.404	ug/l #	15
49) 1,4-Dioxane	9.23	88	63	1.175	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	8315	1.767	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	41099	6.562	ug/l #	69
56) Ethyl methacrylate	10.51	69	3107	2.364	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	7157	1.178	ug/l #	42
59) 2-Hexanone	10.74	43	119916	34.780	ug/l #	56
71) Bromoform	12.36	173	92	1.304	ug/l #	1
74) N-amyl acetate	12.01	43	4467	1.835	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	139423	31.610	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	139423	88.260	ug/l #	8

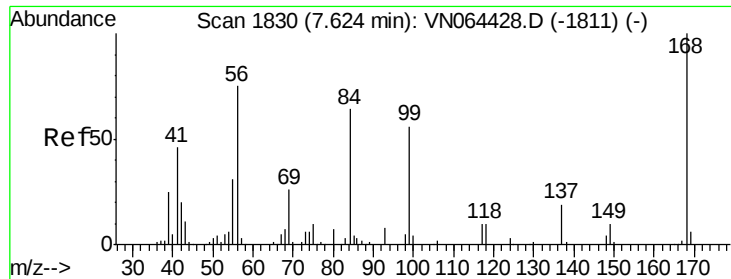
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

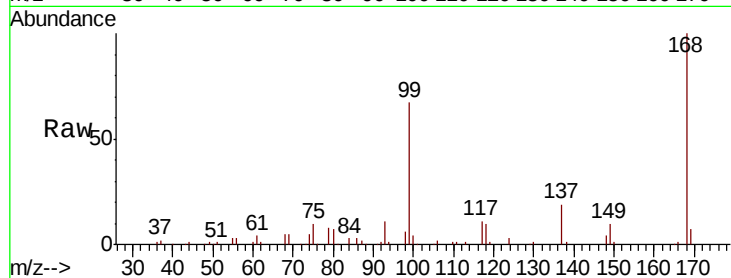
PB132810ZHE#04

Tot Ion:168 Resp: 237235

Ion Ratio Lower Upper

168 100

99 67.0 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): VN064449.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064449.D (-1737) (-)

7.63

100000

80000

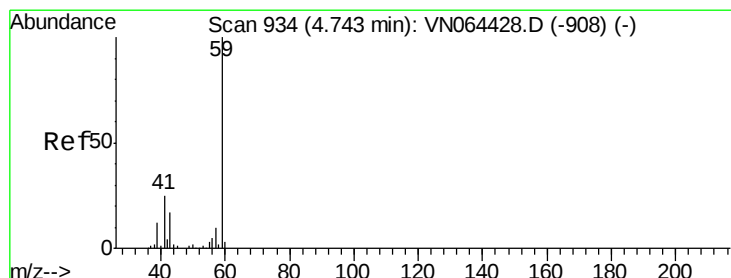
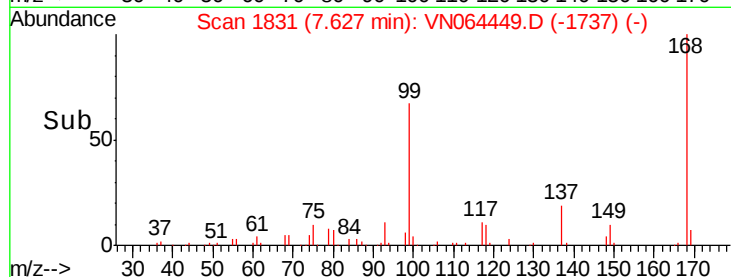
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.222 ug/l

RT: 4.78 min Scan# 944

Delta R.T. 0.03 min

Lab File: VN064449.D

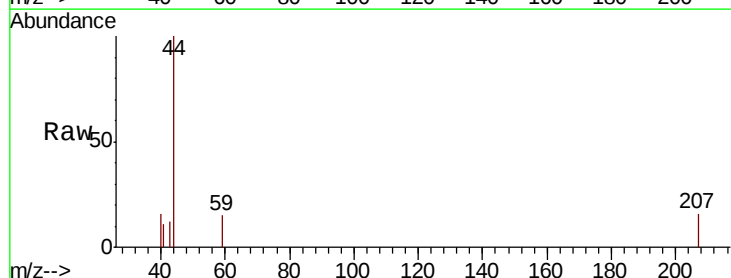
Acq: 4 Nov 2020 20:27

Tgt Ion: 59 Resp: 101

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN064449.D (-841) (-)

Ion 57.00 (56.70 to 57.70): VN064449.D (-841) (-)

4.78

200

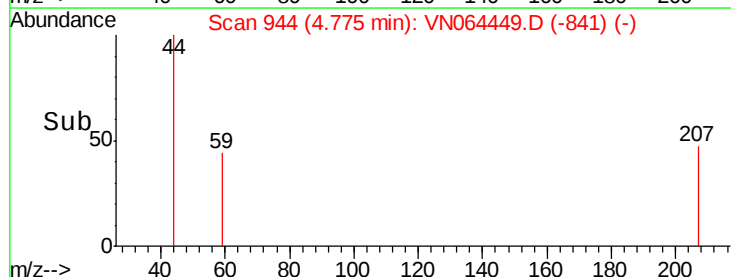
150

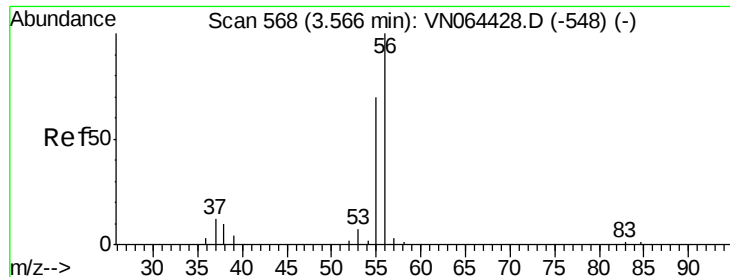
100

50

0

Time-->





#13

Acrolein

Concen: 0.230 ug/l

RT: 3.59 min Scan# 574

Delta R.T. 0.02 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

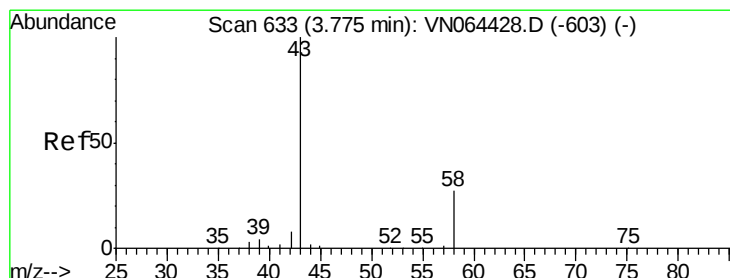
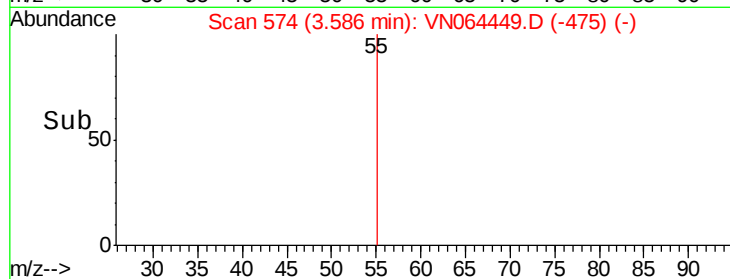
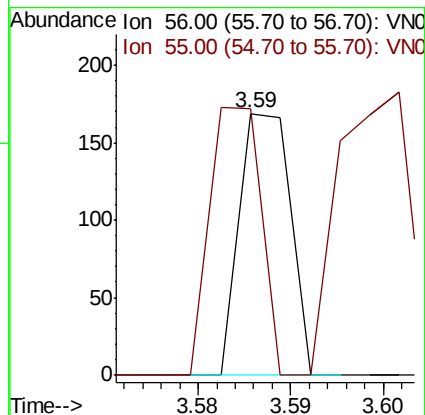
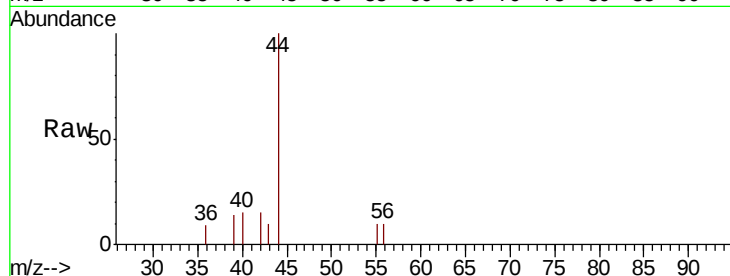
PB132810ZHE#04

Tot Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 103.1 55.9 83.9#



#16

Acetone

Concen: 10.853 ug/l

RT: 3.79 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064449.D

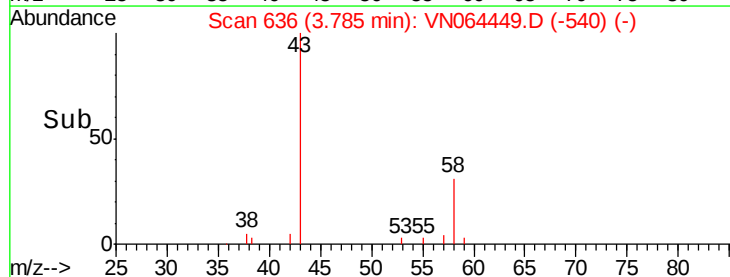
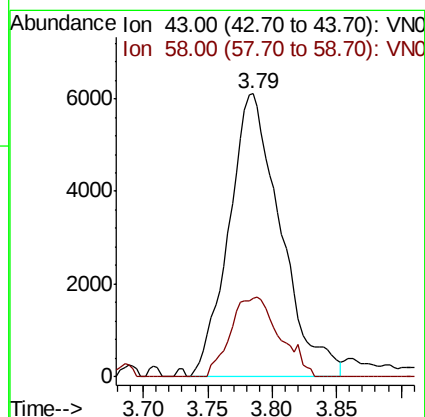
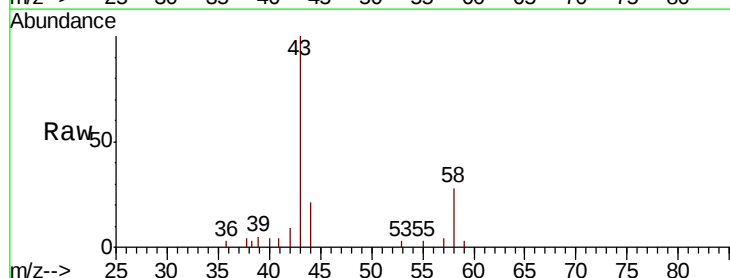
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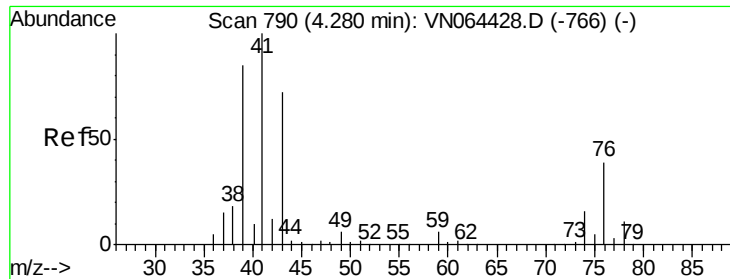
Tgt Ion: 43 Resp: 17083

Ion Ratio Lower Upper

43 100

58 27.6 21.4 32.0

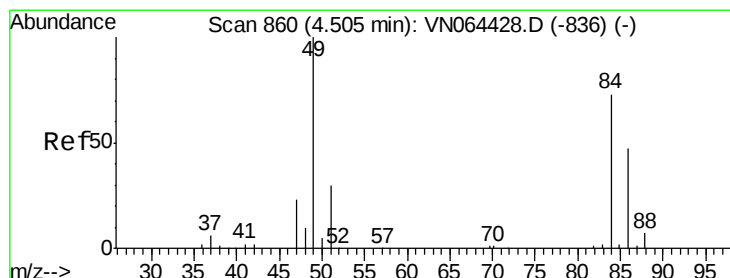
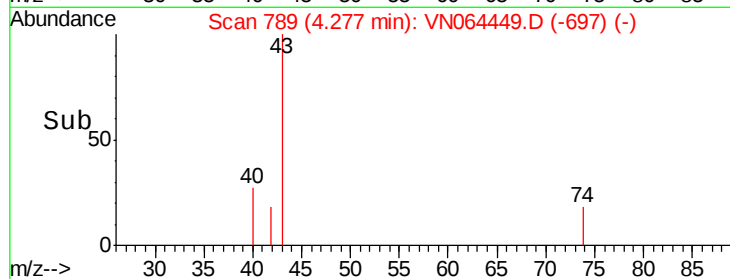
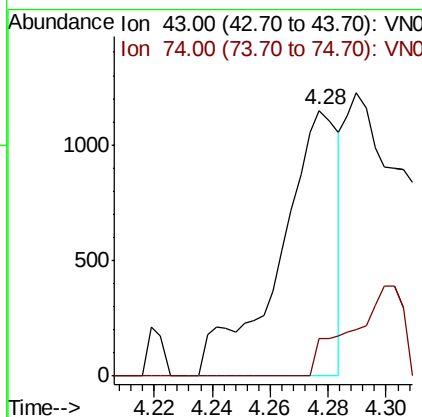
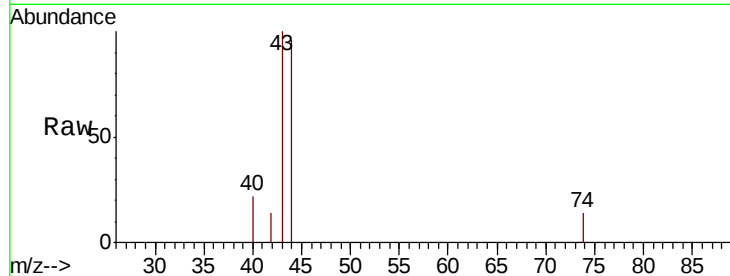




#18
Methyl Acetate
Concen: 0.522 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

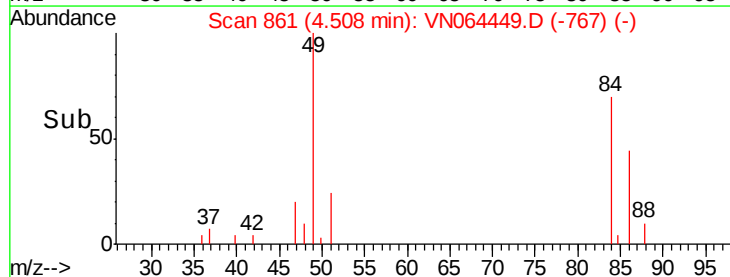
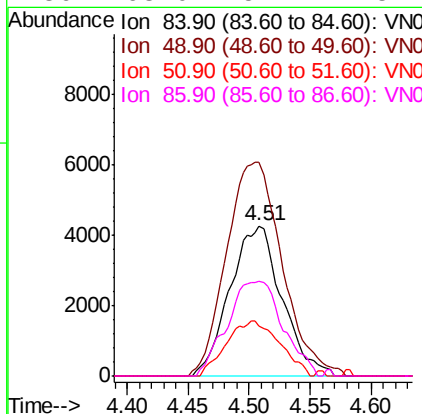
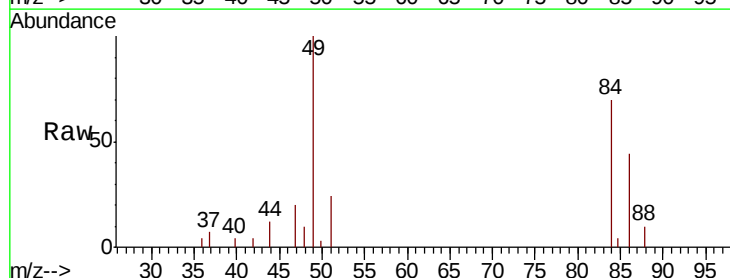
Instrument :
MSVOA_N
ClientSampleId :
PB132810ZHE#04

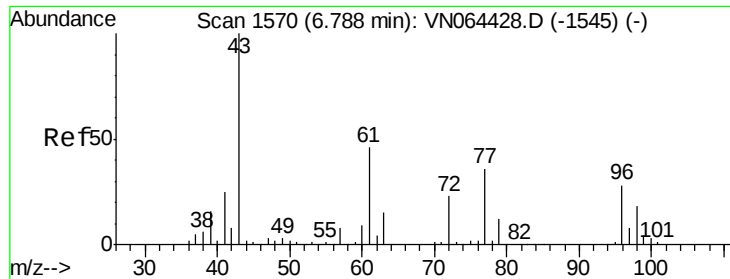
Tot Ion: 43 Resp: 1616
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#



#20
Methylene Chloride
Concen: 4.030 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

Tgt Ion: 84 Resp: 12585
Ion Ratio Lower Upper
84 100
49 142.5 110.1 165.1
51 33.6 33.6 50.4
86 63.0 52.1 78.1





#25

2-Butanone

Concen: 0.540 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

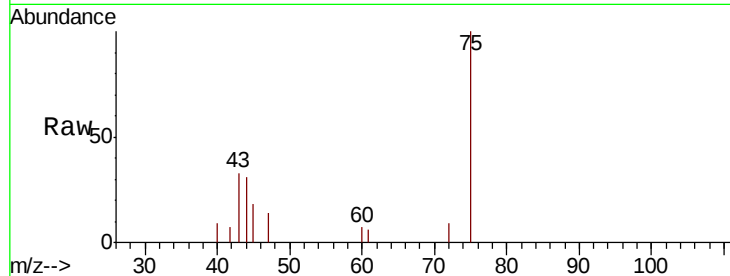
PB132810ZHE#04

Tot Ion: 43 Resp: 1083

Ion Ratio Lower Upper

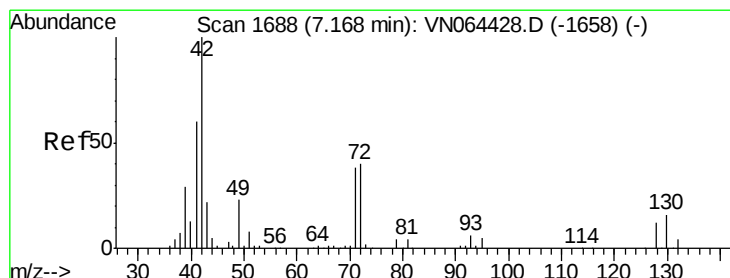
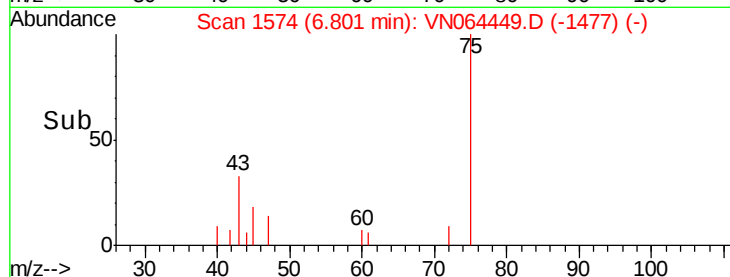
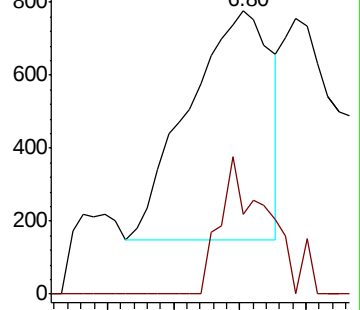
43 100

72 35.1 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: 0.852 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

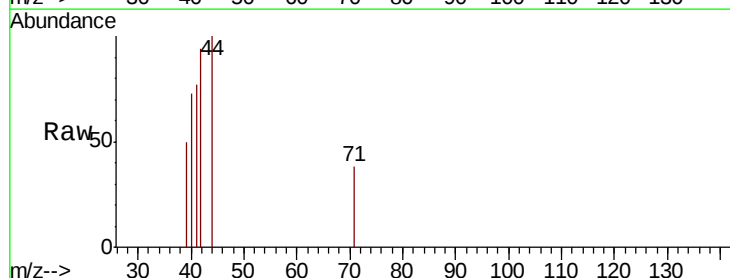
Tgt Ion: 42 Resp: 1048

Ion Ratio Lower Upper

42 100

72 14.9 31.7 47.5#

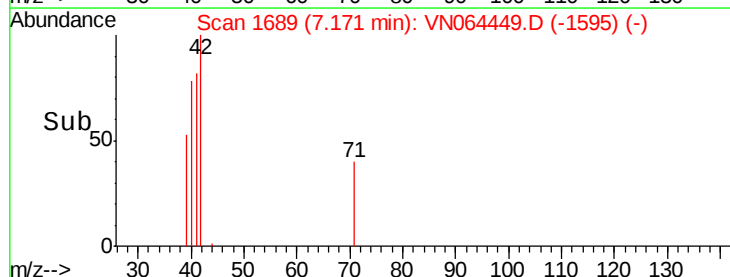
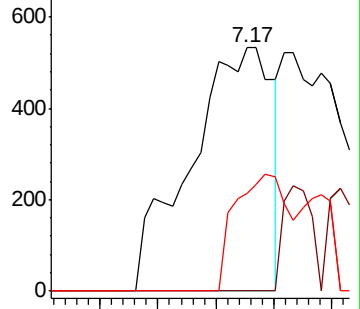
71 30.8 29.8 44.6

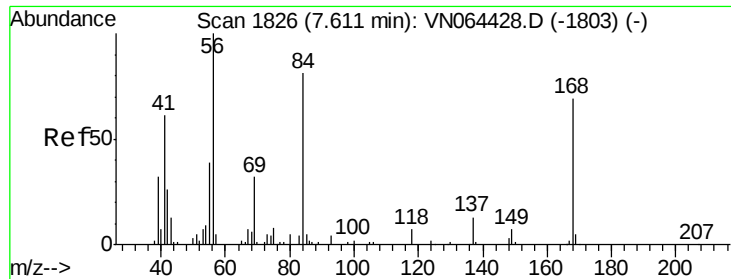


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

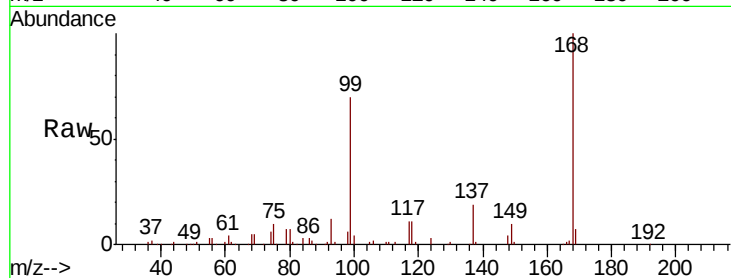




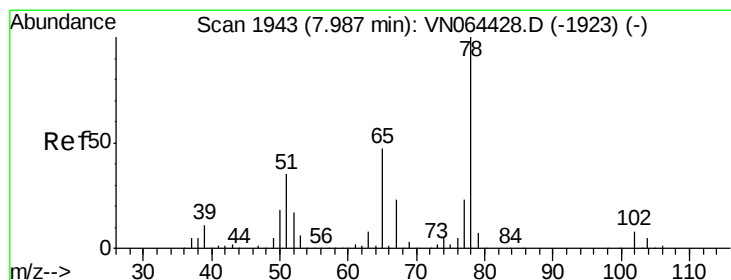
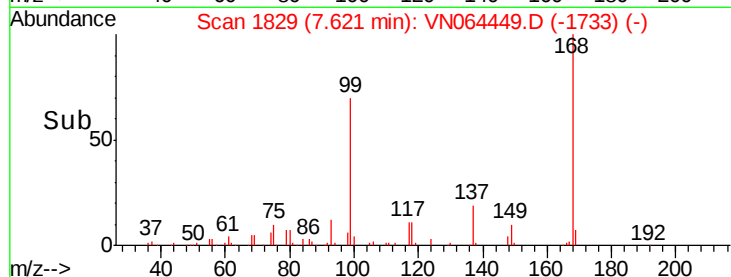
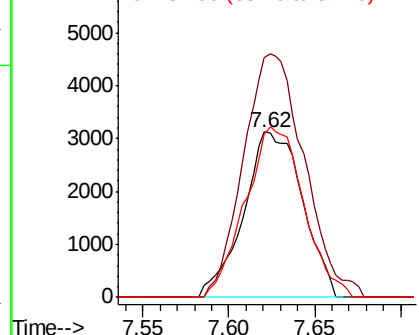
#31
Cyclohexane
Concen: 1.479 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

Instrument :
MSVOA_N
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PB132810ZHE#04

Tot Ion: 56 Resp: 7428
Ion Ratio Lower Upper
56 100
69 145.6 25.6 38.4#
84 98.7 63.0 94.6#

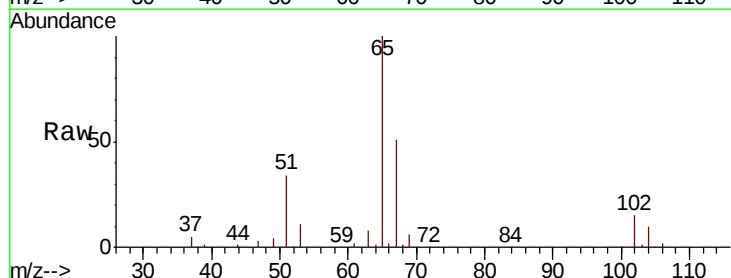


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

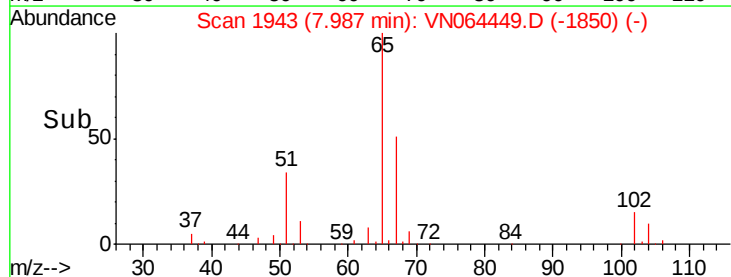
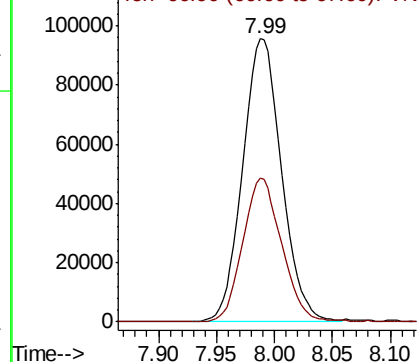


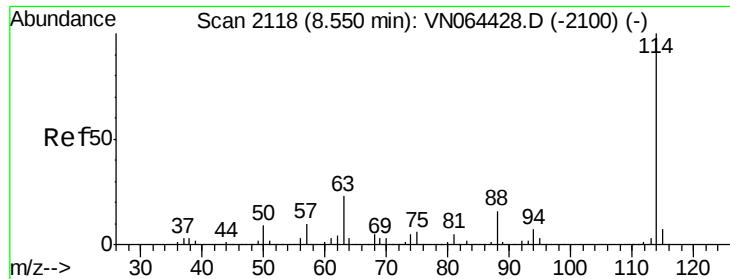
#33
1,2-Dichloroethane-d4
Concen: 54.055 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

Tgt Ion: 65 Resp: 223369
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

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PB132810ZHE#04

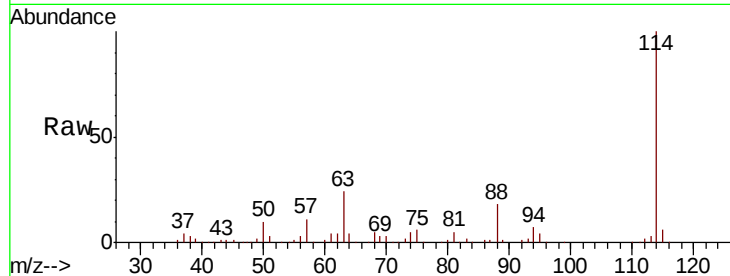
Tot Ion:114 Resp: 471248

Ion Ratio Lower Upper

114 100

63 23.5 0.0 45.6

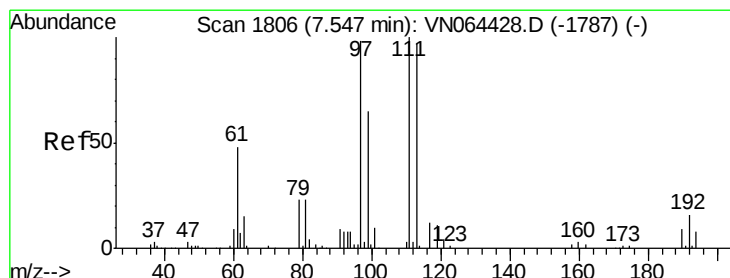
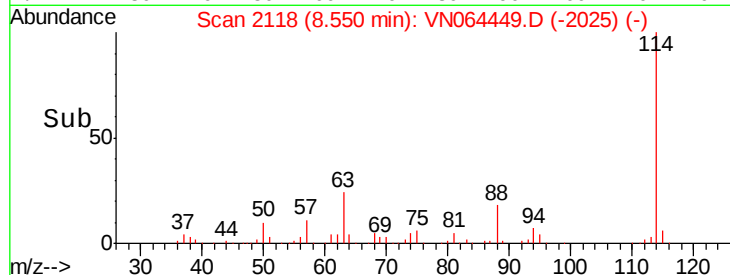
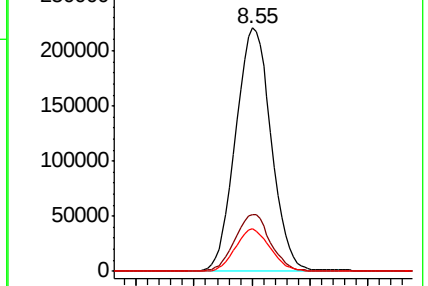
88 17.5 0.0 32.8



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: 50.234 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

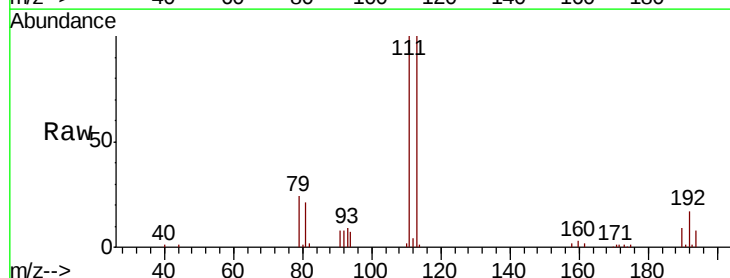
Tgt Ion:113 Resp: 161179

Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

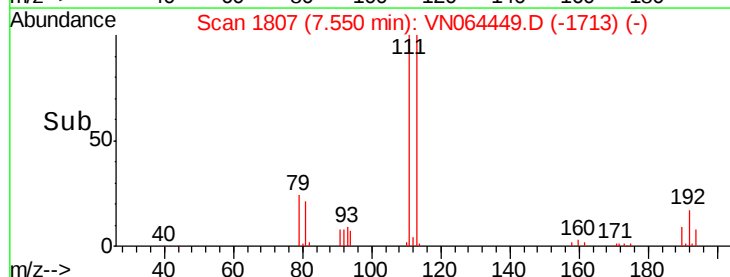
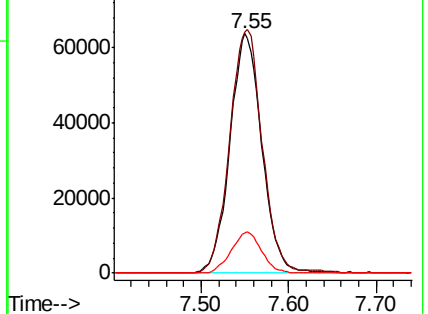
192 16.2 12.8 19.2

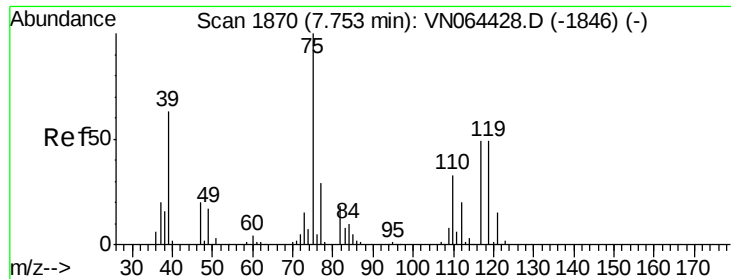


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

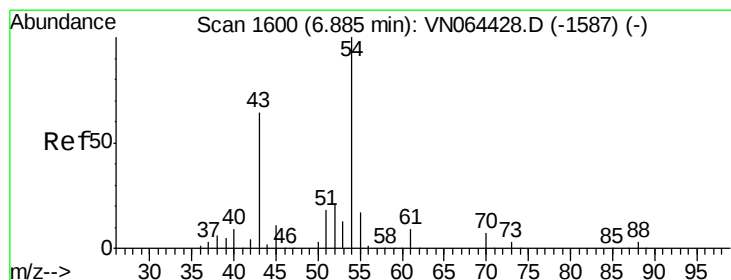
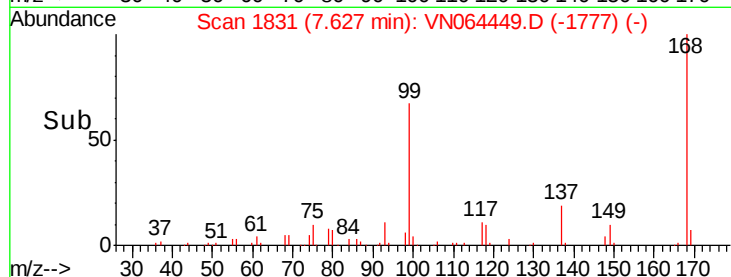
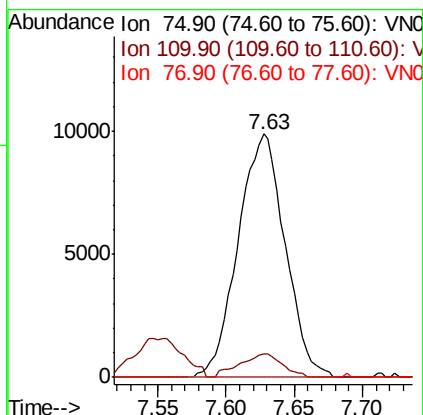
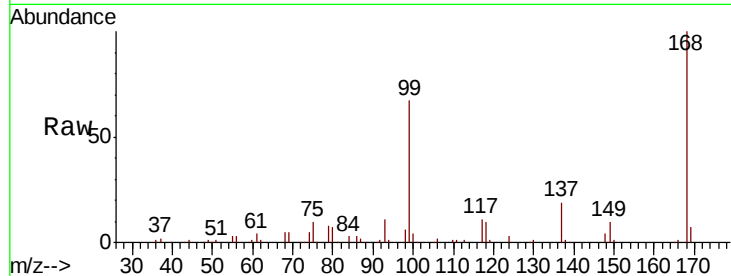




#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064449.D
 Acq: 4 Nov 2020 20:27

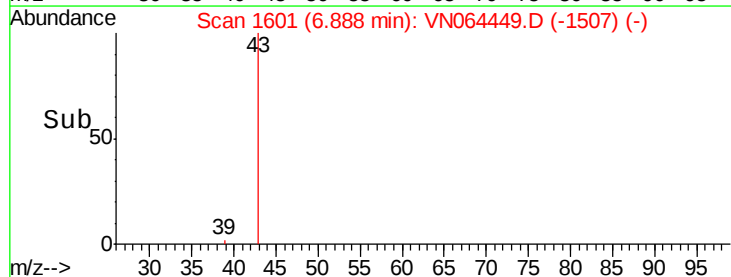
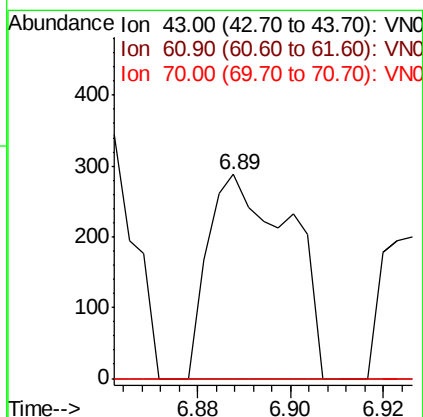
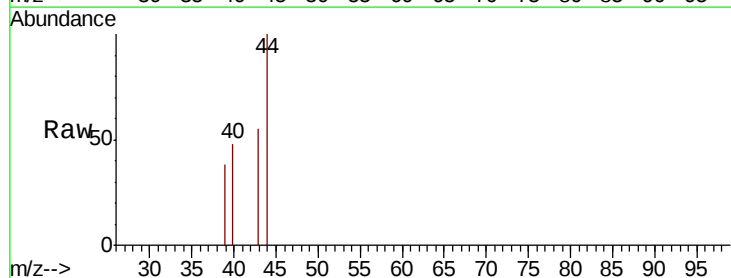
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132810ZHE#04

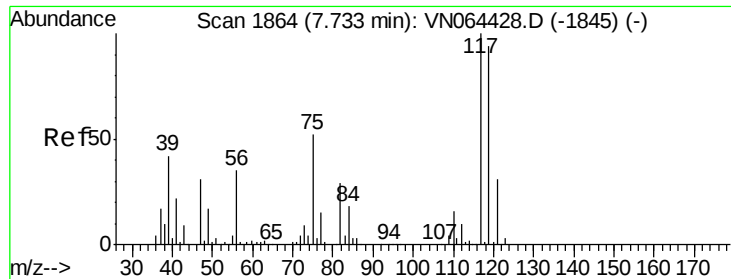
Tot Ion: 75 Resp: 23624
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.831 ug/l
 RT: 6.89 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN064449.D
 Acq: 4 Nov 2020 20:27

Tgt Ion: 43 Resp: 353
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#

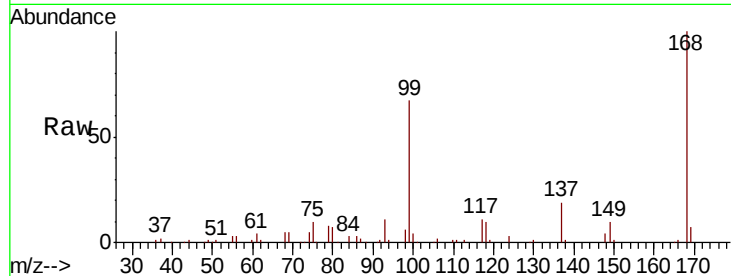




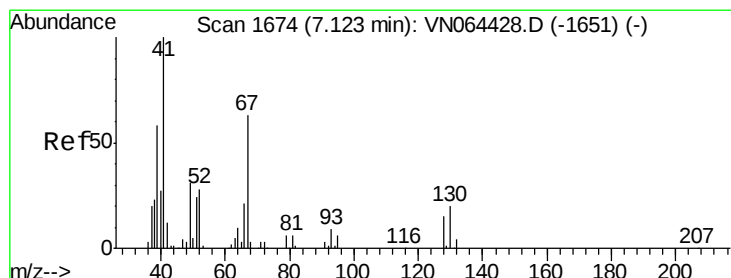
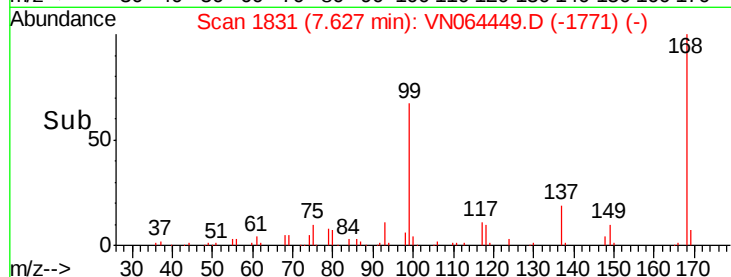
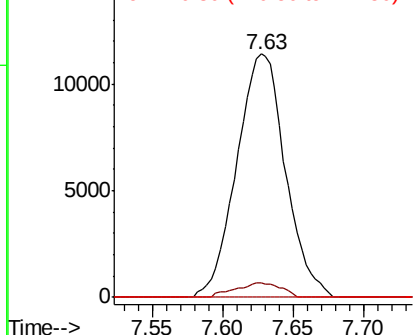
#38
Carbon Tetrachloride
Concen: 5.167 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

Instrument :
MSVOA_N
ClientSampleId :
PB132810ZHE#04

Tot Ion:117 Resp: 27490
Ion Ratio Lower Upper
117 100
119 5.7 75.5 113.3#
121 0.0 24.4 36.6#

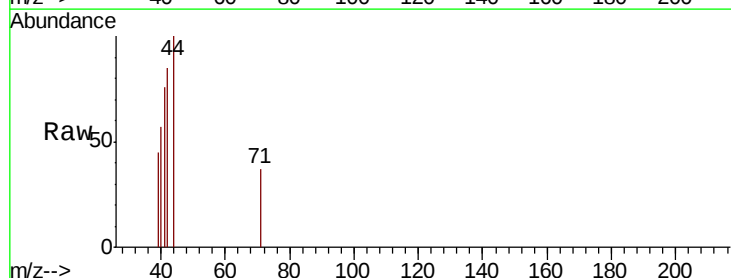


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

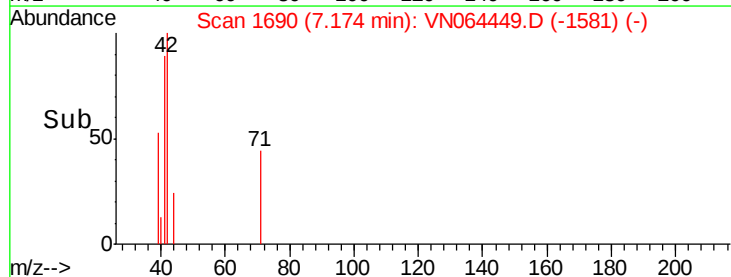
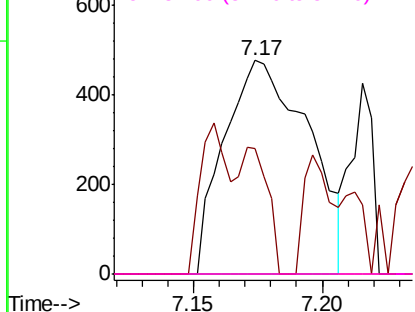


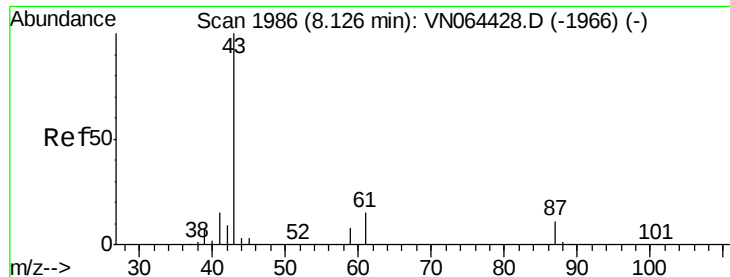
#41
Methacrylonitrile
Concen: 0.492 ug/l
RT: 7.17 min Scan# 1690
Delta R.T. 0.05 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

Tgt Ion: 41 Resp: 1086
Ion Ratio Lower Upper
41 100
39 16.9 50.0 75.0#
67 0.0 68.3 102.5#
52 0.0 32.7 49.1#



Abundance Ion 41.00 (40.70 to 41.70): V
Ion 39.00 (38.70 to 39.70): V
Ion 67.00 (66.70 to 67.70): V
Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 12.626 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

PB132810ZHE#04

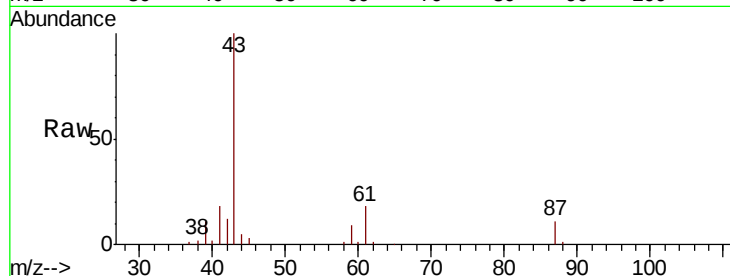
Tot Ion: 43 Resp: 101865

Ion Ratio Lower Upper

43 100

61 17.2 14.0 21.0

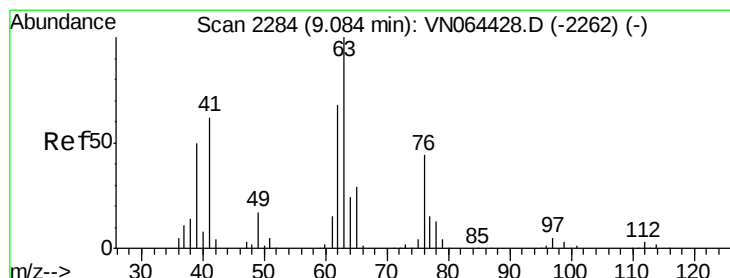
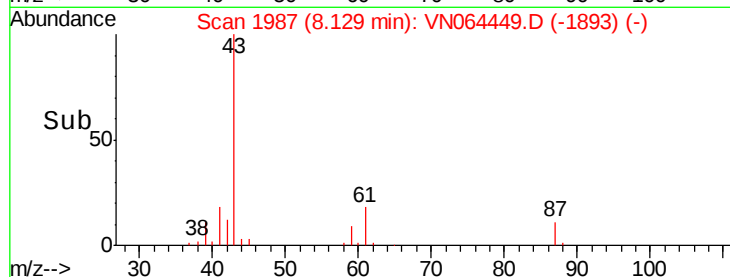
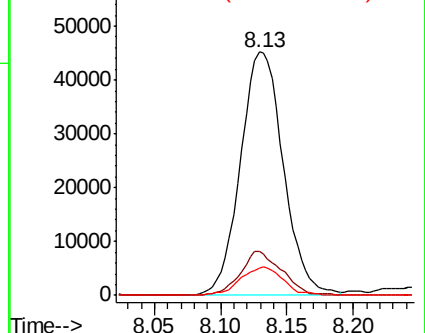
87 11.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#45

1,2-Dichloropropane

Concen: 0.527 ug/l

RT: 9.24 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN064449.D

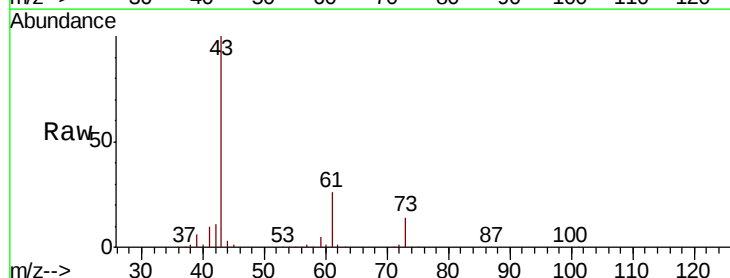
Acq: 4 Nov 2020 20:27

Tgt Ion: 63 Resp: 2059

Ion Ratio Lower Upper

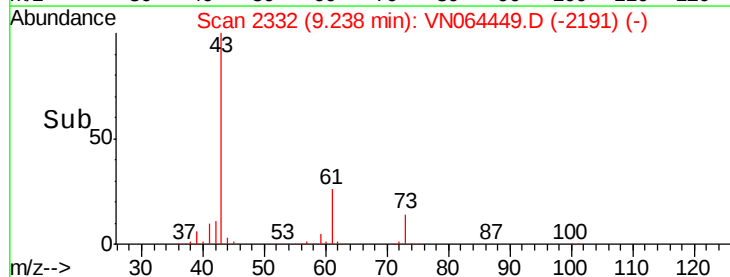
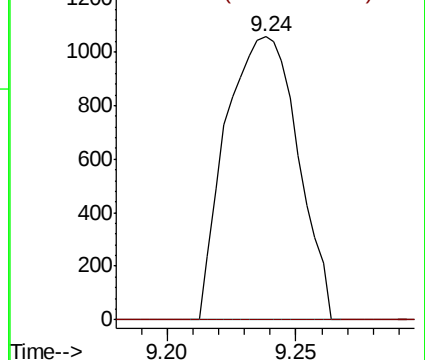
63 100

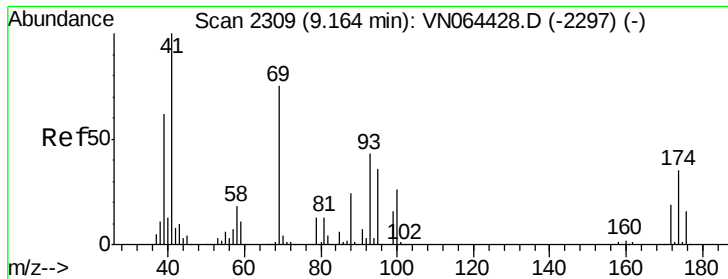
65 0.0 23.6 35.4#



Abundance Ion 62.90 (62.60 to 63.60): VN064428.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN064428.D (-2262) (-)

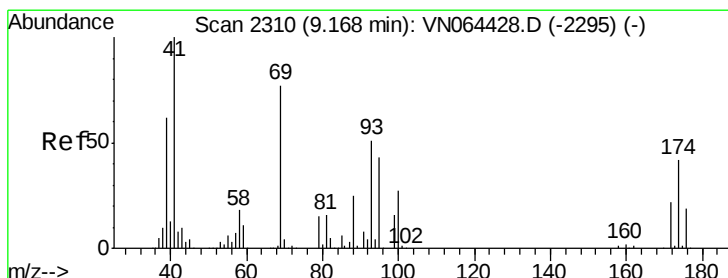
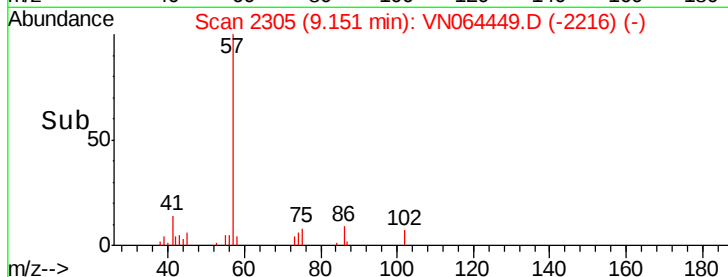
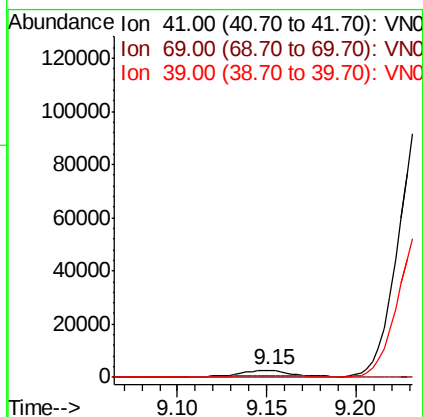
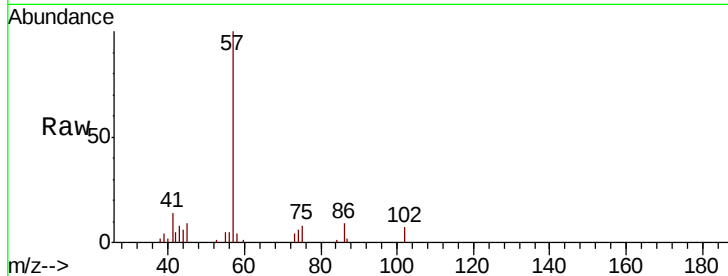




#48
Methyl methacrylate
Concen: 1.404 ug/l
RT: 9.15 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

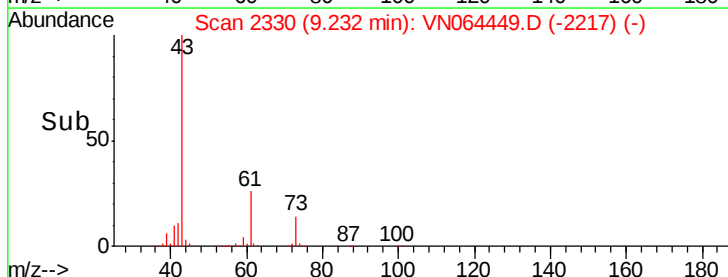
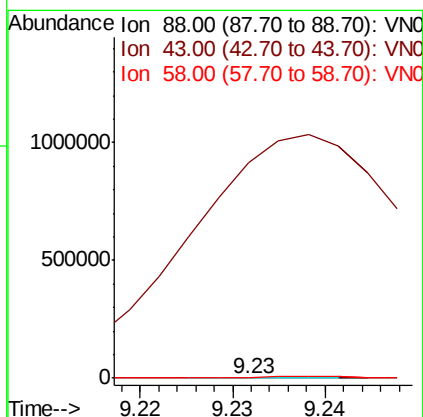
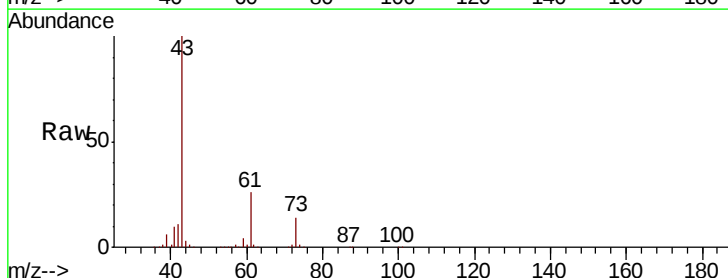
Instrument :
MSVOA_N
ClientSampleId :
PB132810ZHE#04

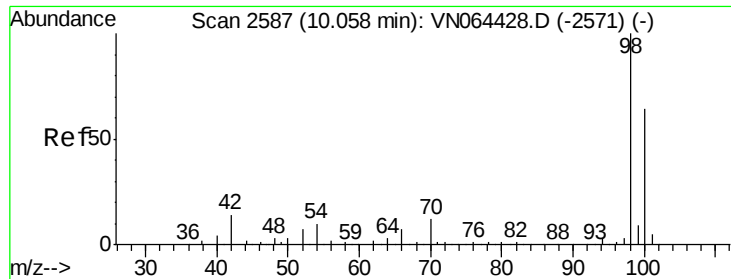
Tot Ion: 41 Resp: 5716
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 0.0 51.2 76.8#



#49
1,4-Dioxane
Concen: 1.175 ug/l
RT: 9.23 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 3006152.4 31.0 46.6#
58 14103.2 58.4 87.6#





#50

Toluene-d8

Concen: 51.278 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

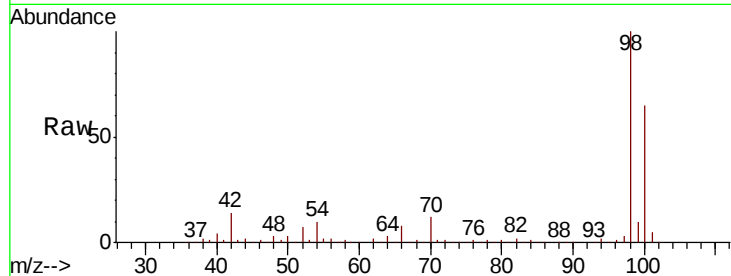
PB132810ZHE#04

Tot Ion: 98 Resp: 635901

Ion Ratio Lower Upper

98 100

100 64.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

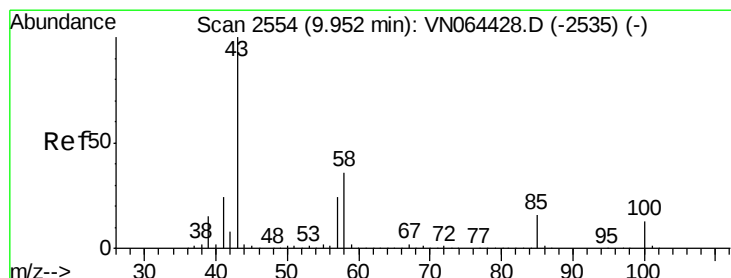
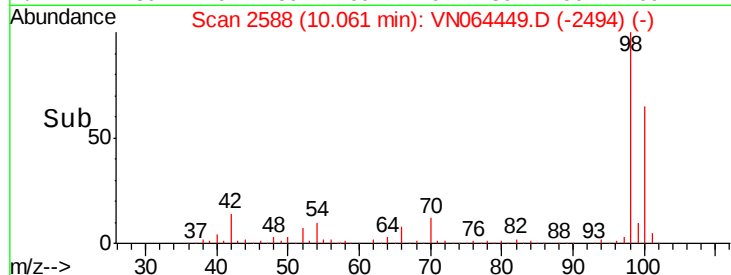
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.767 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064449.D

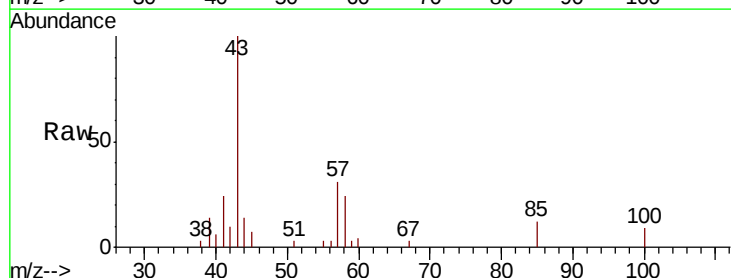
Acq: 4 Nov 2020 20:27

Tgt Ion: 43 Resp: 8315

Ion Ratio Lower Upper

43 100

58 38.4 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10000

8000

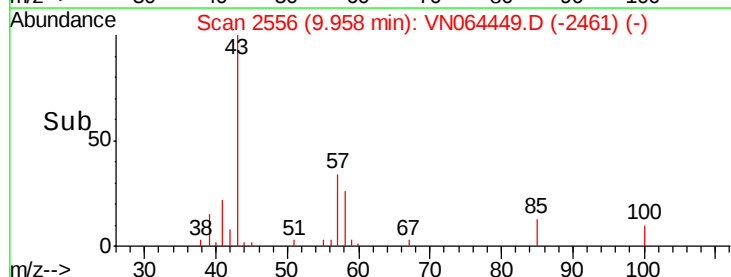
6000

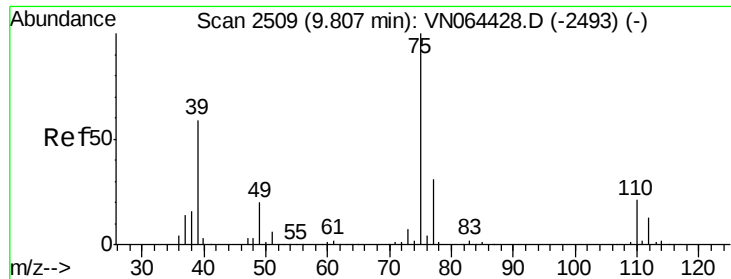
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.562 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

PB132810ZHE#04

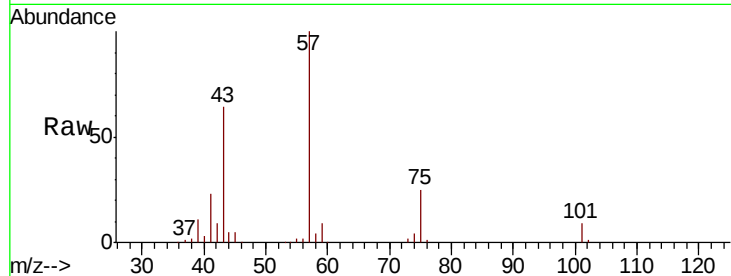
Tot Ion: 75 Resp: 41099

Ion Ratio Lower Upper

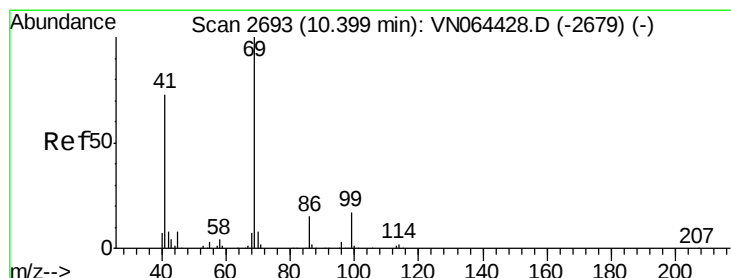
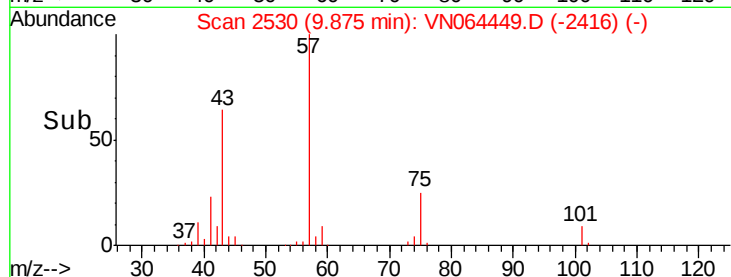
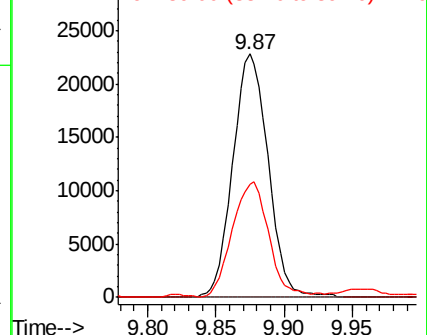
75 100

77 0.0 24.9 37.3#

39 45.7 47.1 70.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 2.364 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

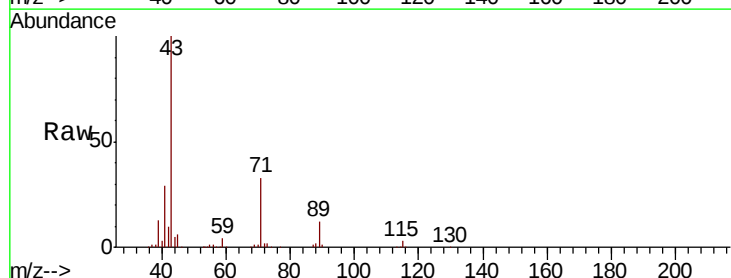
Tgt Ion: 69 Resp: 3107

Ion Ratio Lower Upper

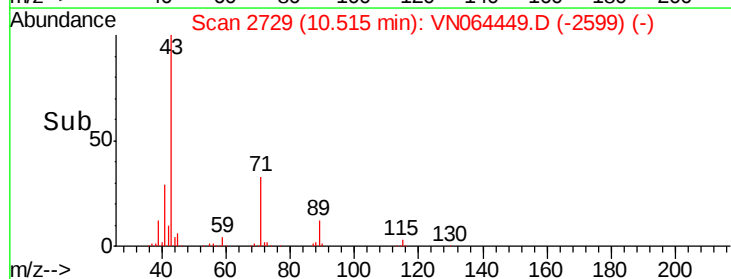
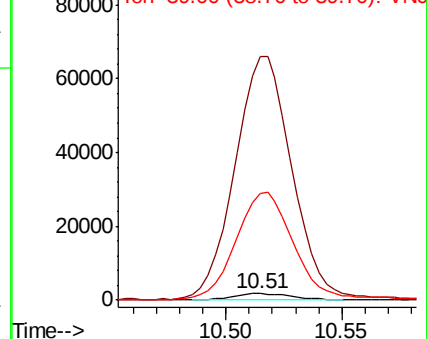
69 100

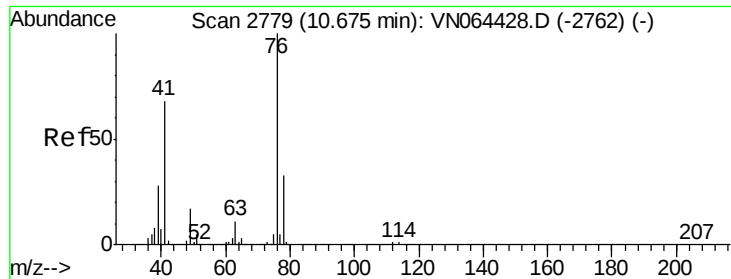
41 3669.0 59.3 88.9#

39 1641.4 35.4 53.0#



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





#57

1,3-Dichloropropane

Concen: 1.178 ug/l

RT: 10.74 min Scan# 2799

Delta R.T. 0.06 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

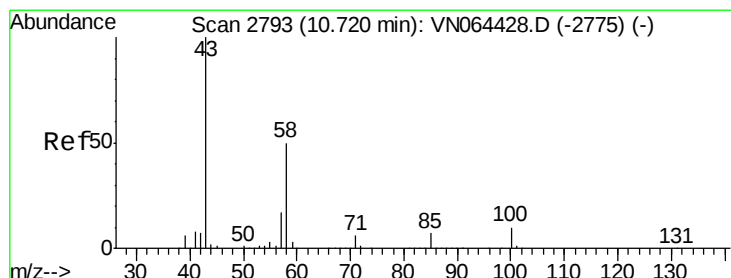
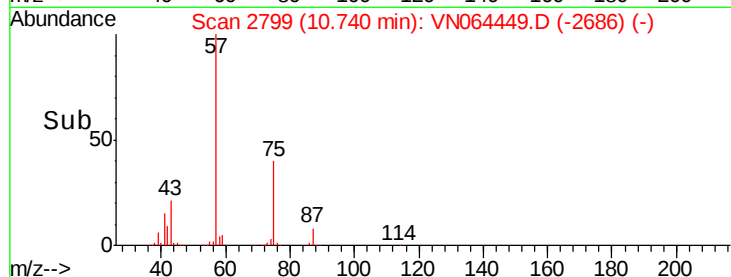
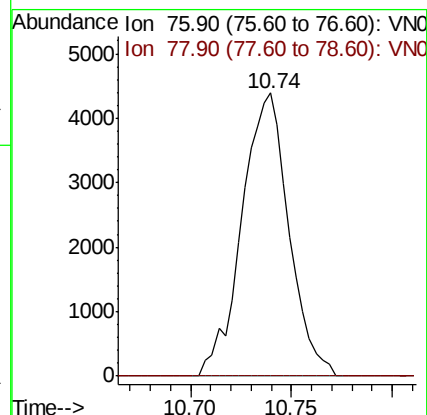
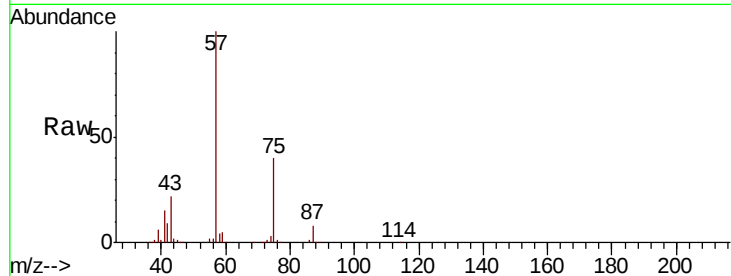
PB132810ZHE#04

Tot Ion: 76 Resp: 7157

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 34.780 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064449.D

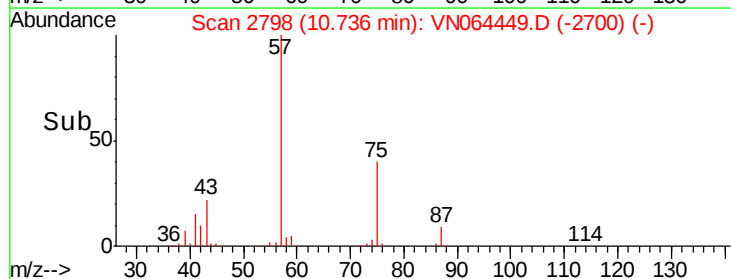
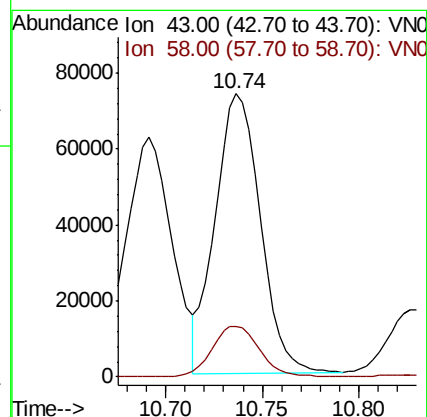
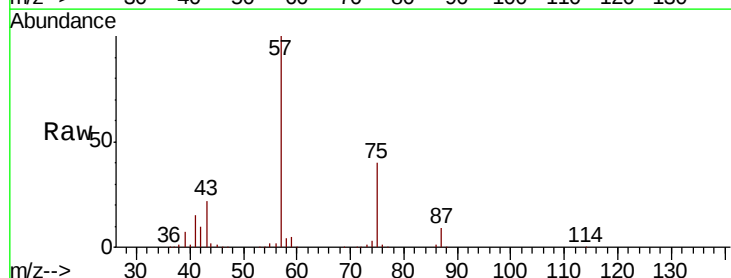
Acq: 4 Nov 2020 20:27

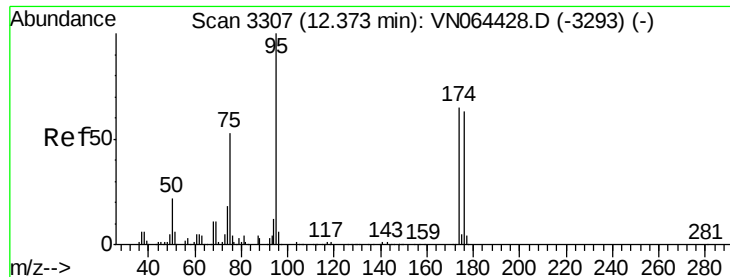
Tgt Ion: 43 Resp: 119916

Ion Ratio Lower Upper

43 100

58 19.0 24.7 74.1#

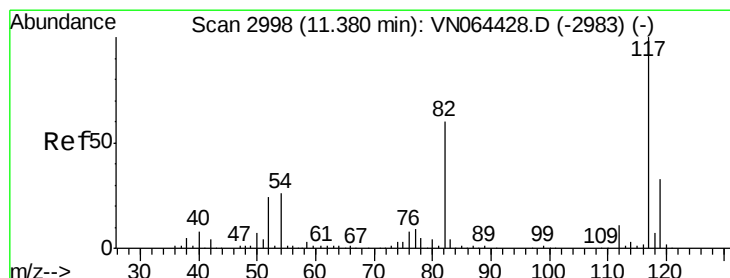
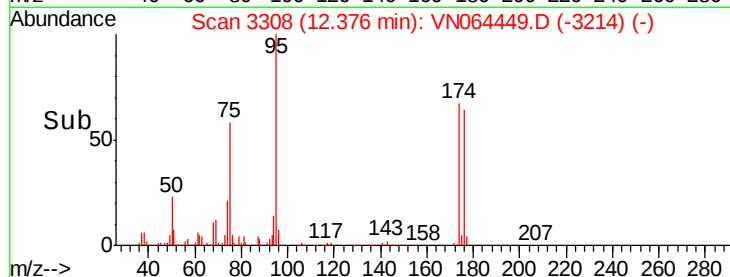
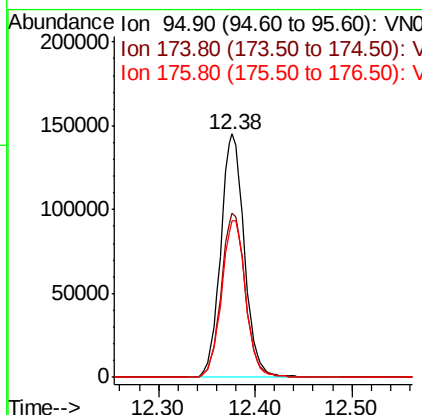
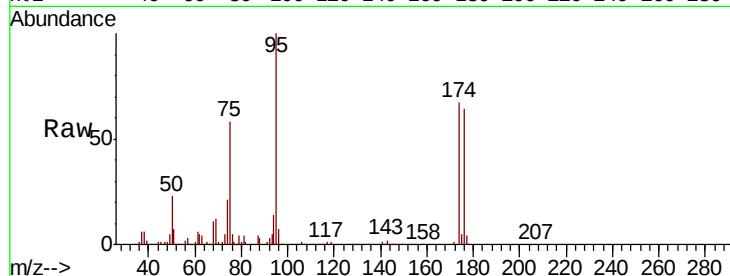




#62
4-Bromofluorobenzene
Concen: 52.404 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

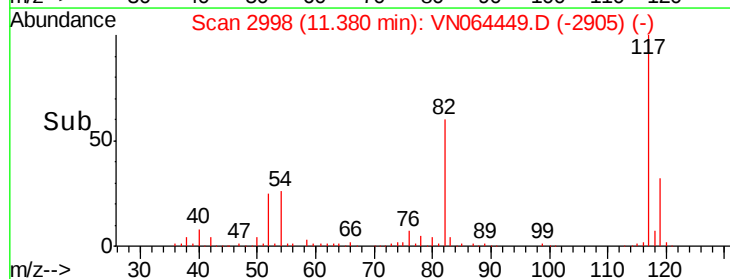
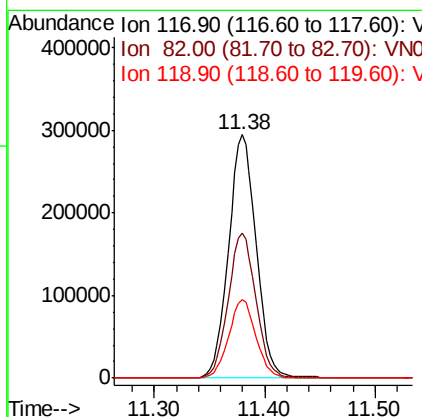
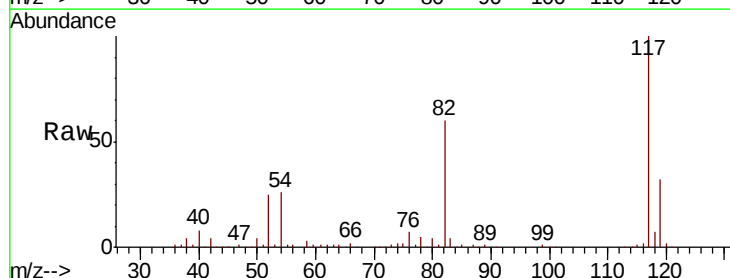
Instrument :
MSVOA_N
ClientSampleId :
PB132810ZHE#04

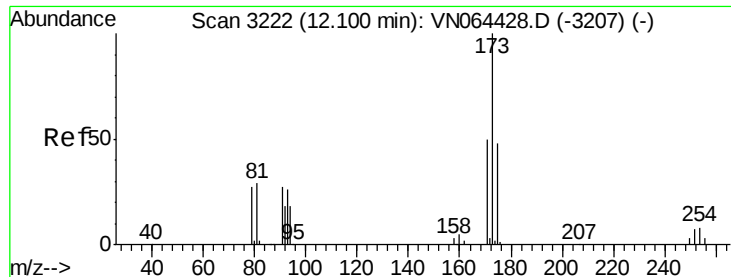
Tot Ion: 95 Resp: 245772
Ion Ratio Lower Upper
95 100
174 68.6 0.0 132.6
176 65.9 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064449.D
Acq: 4 Nov 2020 20:27

Tgt Ion: 117 Resp: 512194
Ion Ratio Lower Upper
117 100
82 59.7 48.1 72.1
119 32.3 26.2 39.4





#71

Bromoform

Concen: 1.304 ug/l

RT: 12.36 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

PB132810ZHE#04

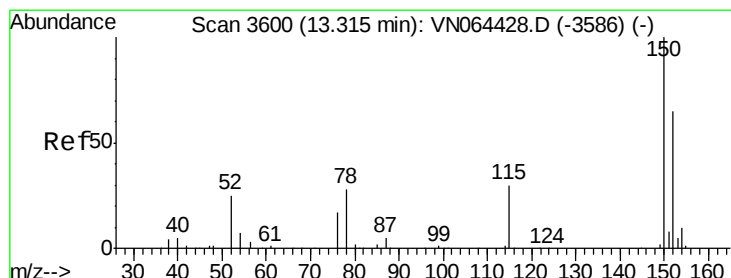
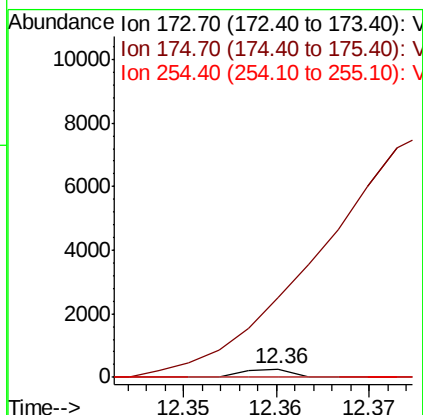
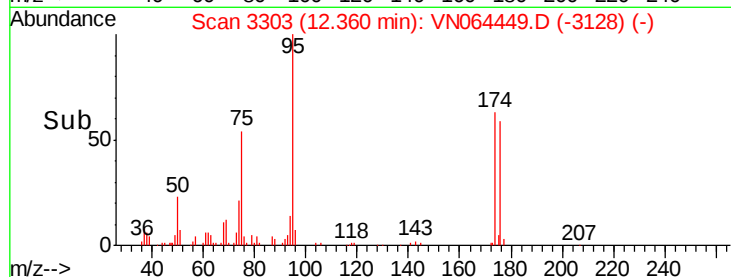
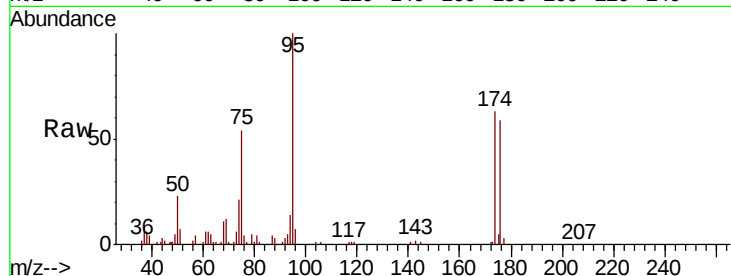
Tot Ion:173 Resp: 92

Ion Ratio Lower Upper

173 100

175 11376.1 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# 3601

Delta R.T. 0.00 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

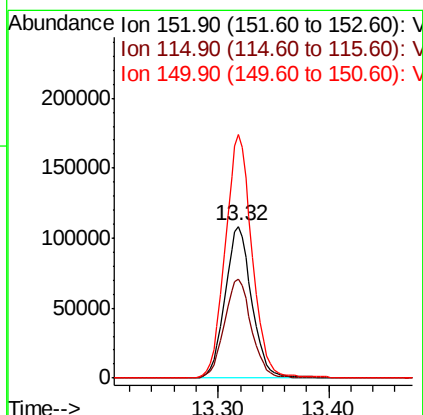
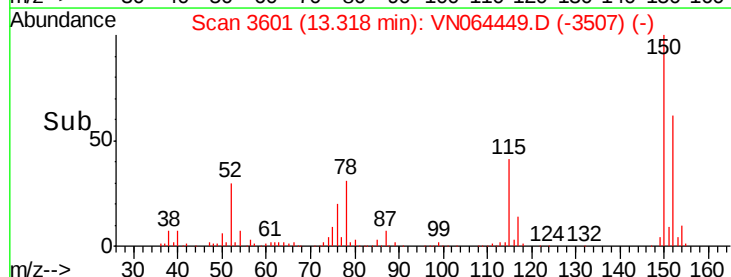
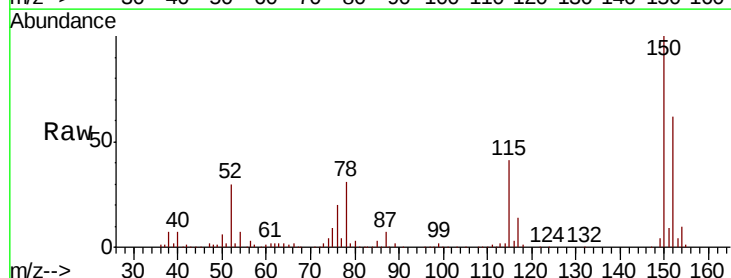
Tgt Ion:152 Resp: 182040

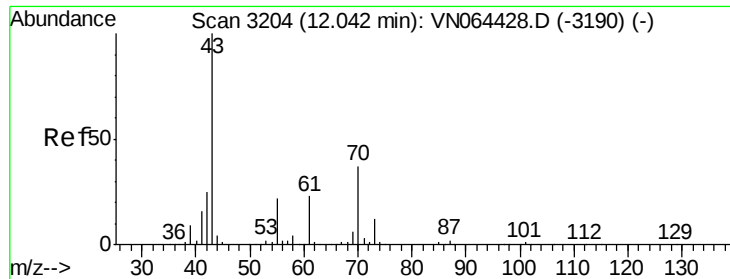
Ion Ratio Lower Upper

152 100

115 66.1 32.0 96.0

150 160.9 0.0 353.8





#74

N-amvl acetate

Concen: 1.835 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

PB132810ZHE#04

Tot Ion: 43 Resp: 4467

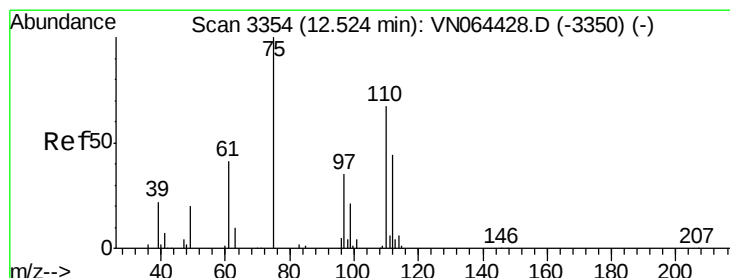
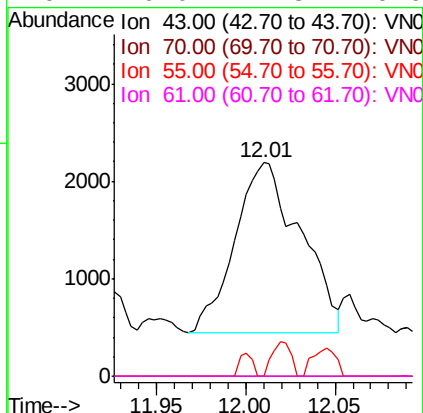
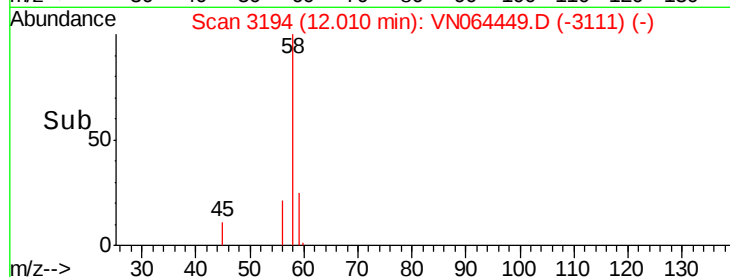
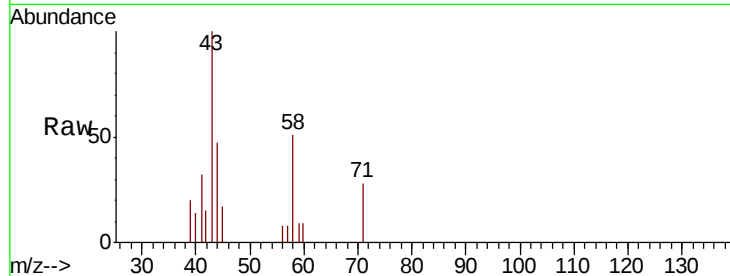
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 5.8 18.4 27.6#

61 0.0 17.8 26.6#



#76

1,2,3-Trichloropropane

Concen: 31.610 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064449.D

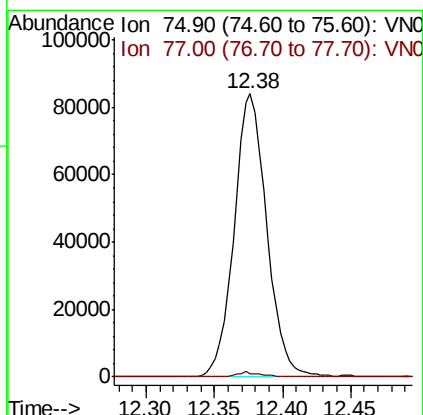
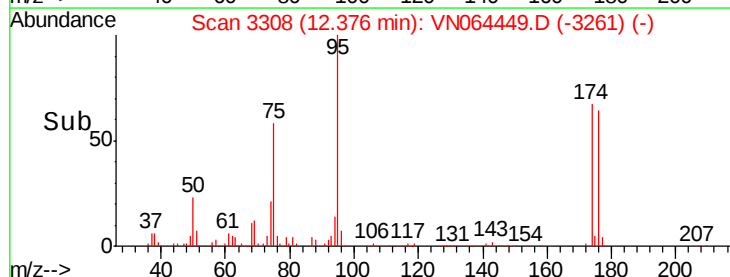
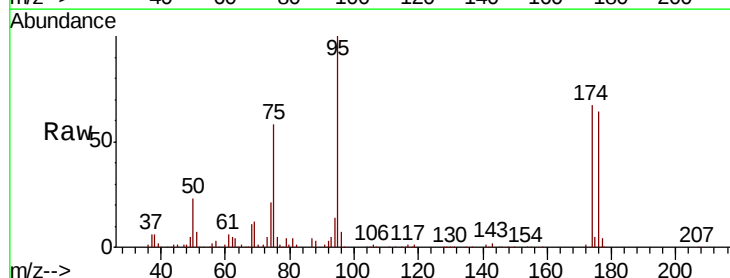
Acq: 4 Nov 2020 20:27

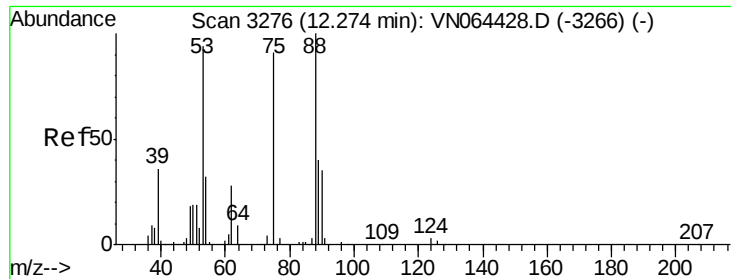
Tgt Ion: 75 Resp: 139423

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 88.260 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064449.D

Acq: 4 Nov 2020 20:27

Instrument :

MSVOA_N

ClientSampleId :

PB132810ZHE#04

Tot Ion: 75 Resp: 139423

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 36.3 54.5#

