

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064641.D
 Acq On : 13 Nov 2020 19:34
 Operator : JC/MD
 Sample : L4737-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB111220

Quant Time: Nov 17 01:59:39 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	210316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	439067	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	462848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161659	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	218388	59.61	ug/l	0.00
Spiked Amount			Recovery	=	119.22%	
35) Dibromofluoromethane	7.55	113	155621	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	10.06	98	561687	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.38	95	202781	46.41	ug/l	0.00
Spiked Amount			Recovery	=	92.82%	

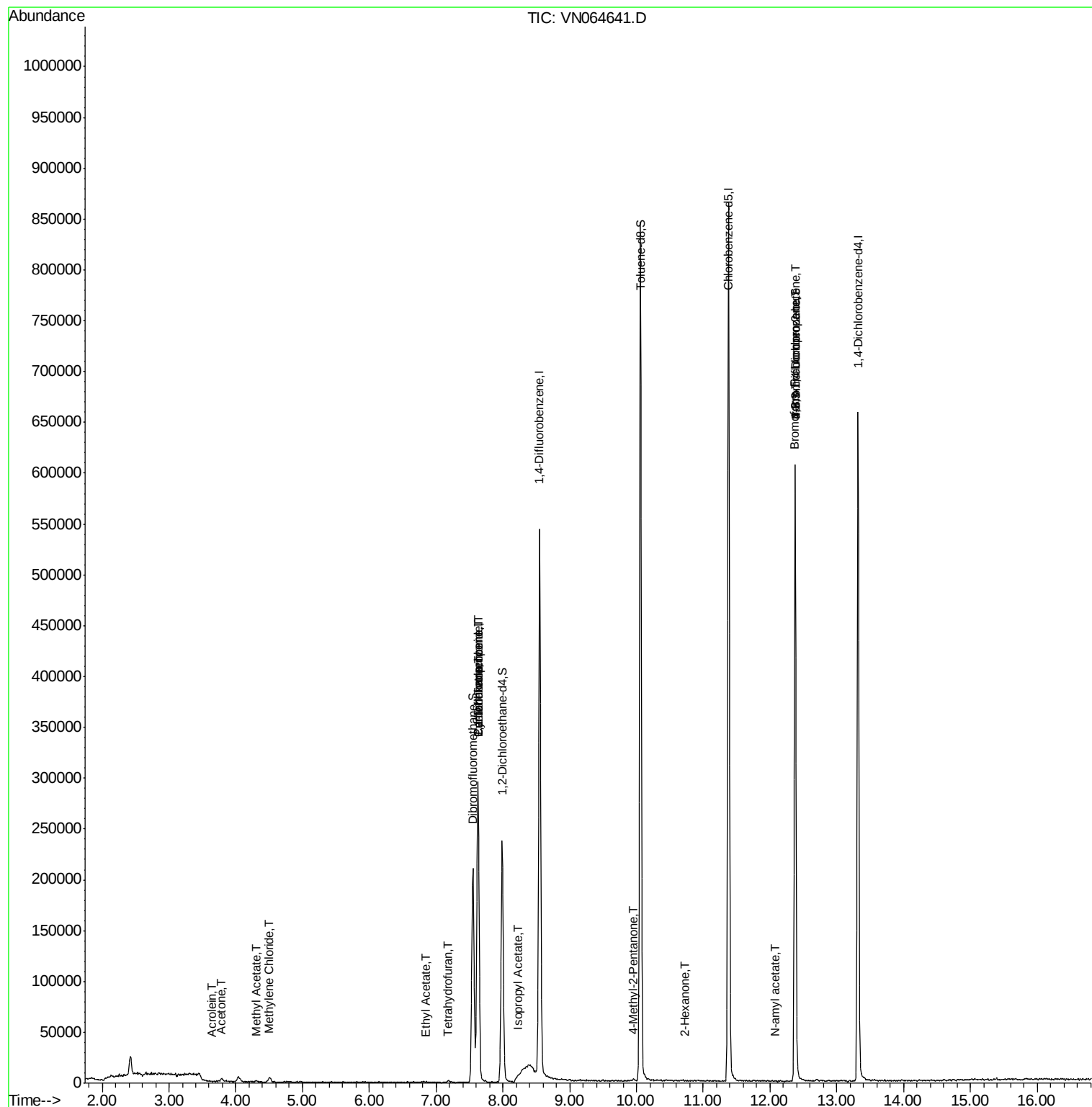
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	65	0.259	ug/l #	15
16) Acetone	3.78	43	4076	2.921	ug/l	99
18) Methyl Acetate	4.30	43	1368	0.499	ug/l #	74
20) Methylene Chloride	4.50	84	2358	0.852	ug/l #	69
29) Tetrahydrofuran	7.18	42	692	0.634	ug/l #	51
31) Cyclohexane	7.63	56	6123	1.375	ug/l #	15
36) 1,1-Dichloropropene	7.63	75	20274	4.371	ug/l #	53
37) Ethyl Acetate	6.86	43	442	0.855	ug/l #	71
38) Carbon Tetrachloride	7.62	117	23411	4.723	ug/l #	18
43) Isopropyl Acetate	8.23	43	6289	0.837	ug/l #	64
51) 4-Methyl-2-Pentanone	9.96	43	1651	0.377	ug/l #	60
59) 2-Hexanone	10.72	43	283	4.106	ug/l #	28
71) Bromoform	12.36	173	591	1.478	ug/l #	29
74) N-amyl acetate	12.06	43	135	1.235	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	115768	29.556	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115768	82.525	ug/l #	8

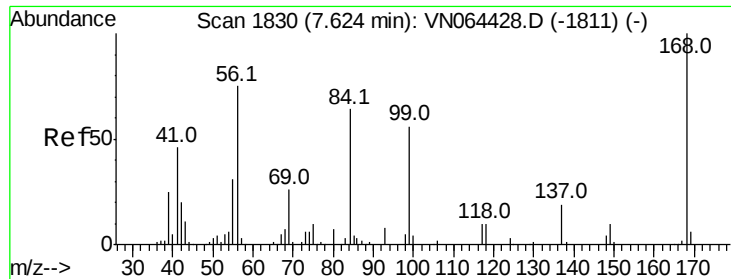
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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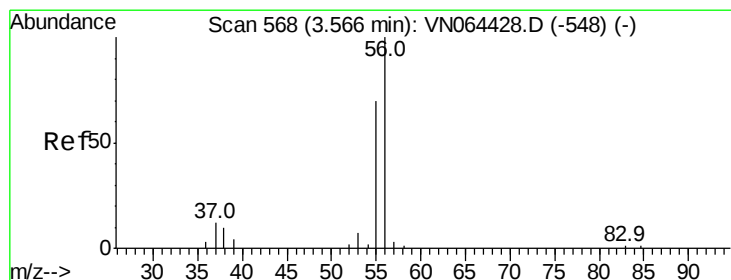
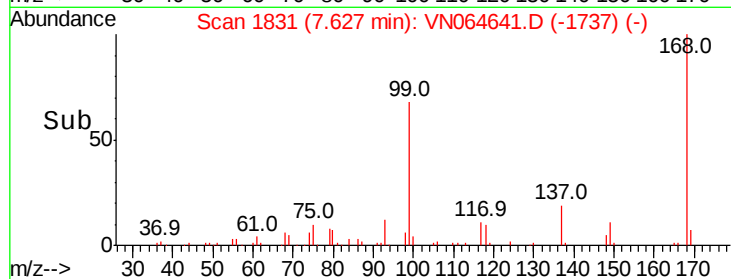
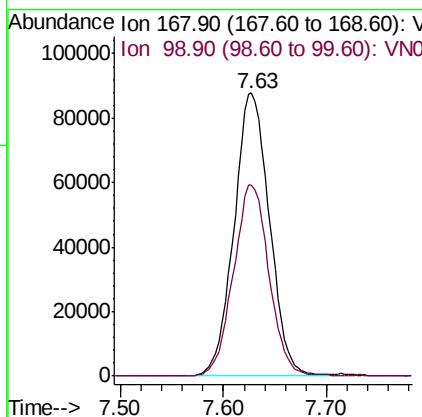
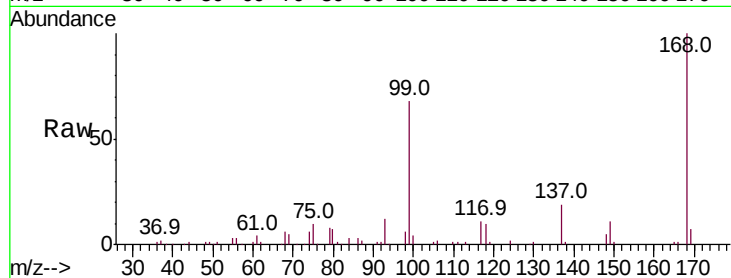




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

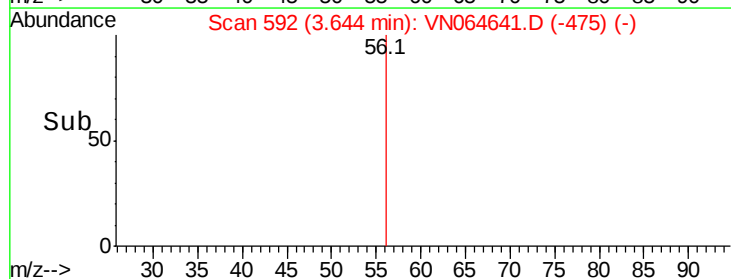
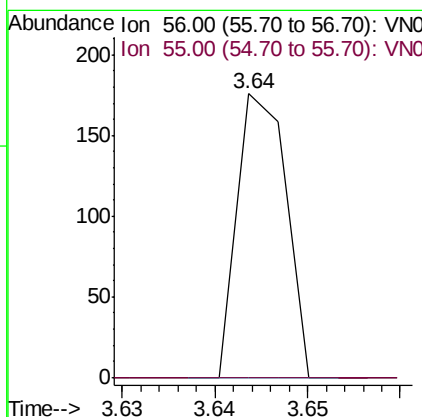
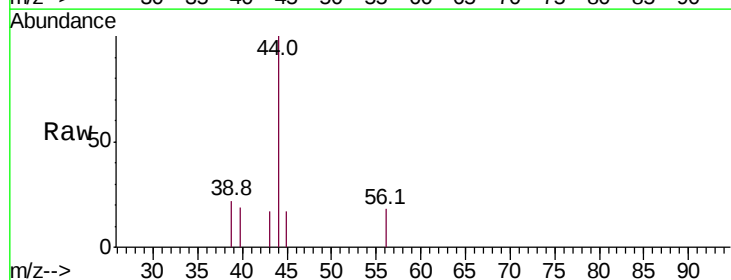
Instrument :
MSVOA_N
ClientSampleId :
FB111220

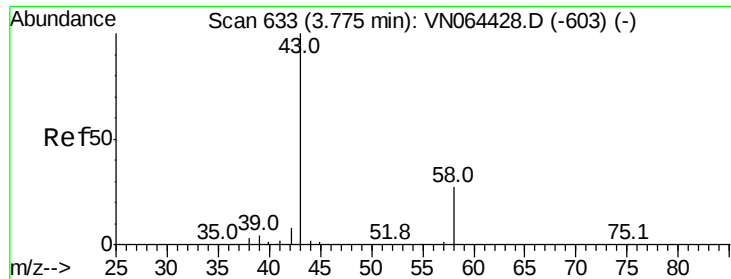
Tot Ion:168 Resp: 210316
Ion Ratio Lower Upper
168 100
99 67.8 53.4 80.2



#13
Acrolein
Concen: 0.259 ug/l
RT: 3.64 min Scan# 592
Delta R.T. 0.08 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 55.9 83.9#





#16

Acetone

Concen: 2.921 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

Instrument :

MSVOA_N

ClientSampleId :

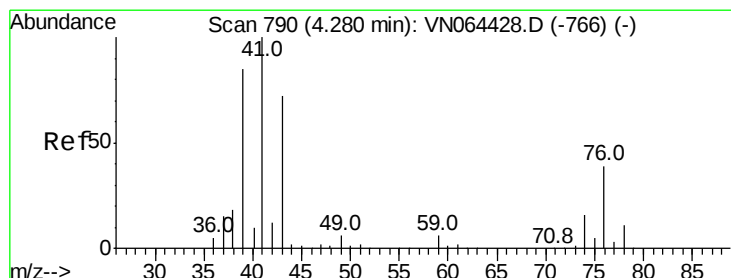
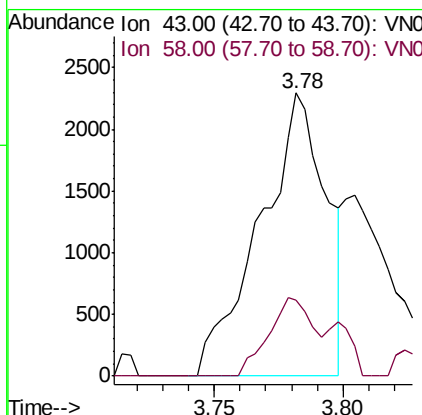
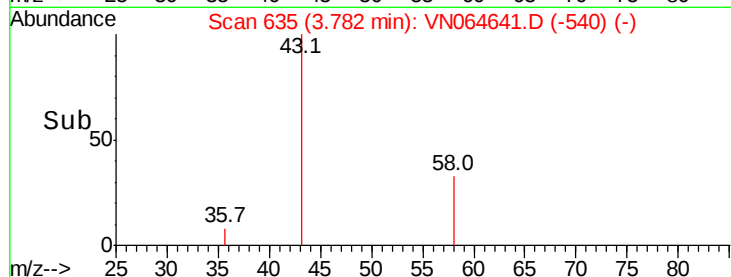
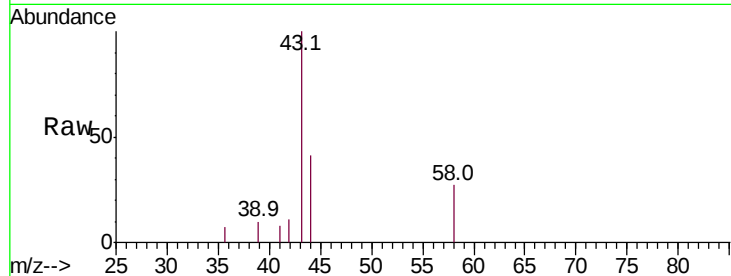
FB111220

Tot Ion: 43 Resp: 4076

Ion Ratio Lower Upper

43 100

58 27.1 21.4 32.0



#18

Methyl Acetate

Concen: 0.499 ug/l

RT: 4.30 min Scan# 797

Delta R.T. 0.02 min

Lab File: VN064641.D

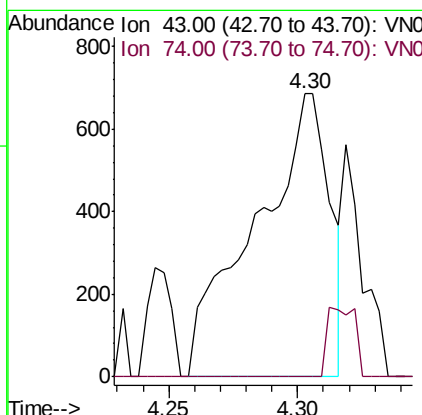
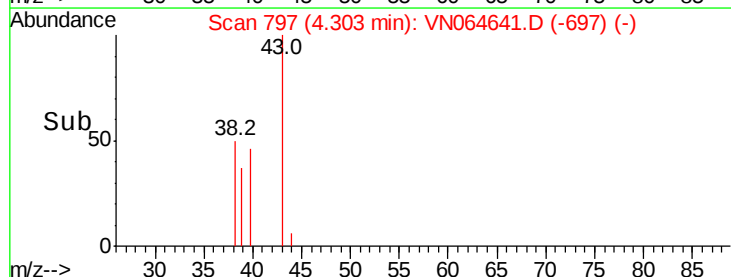
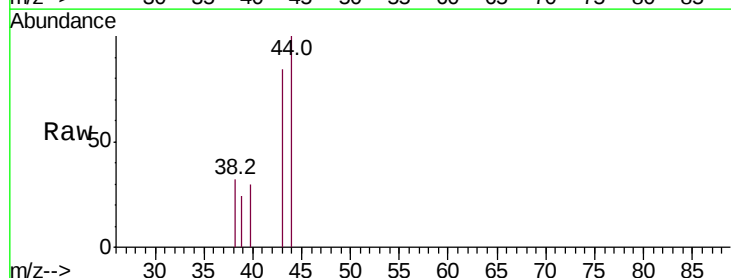
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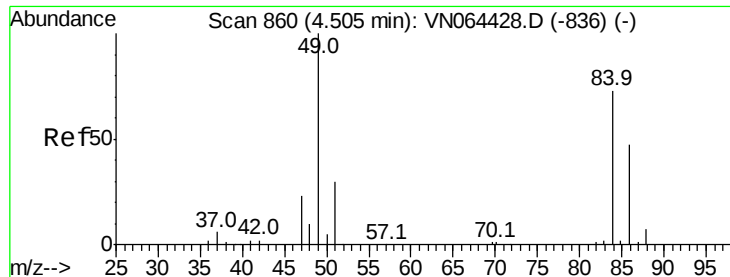
Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

74 9.1 17.0 25.4#

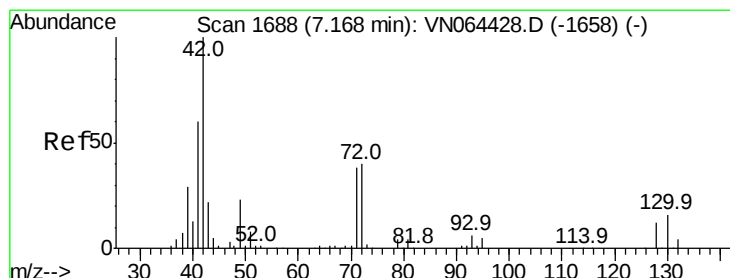
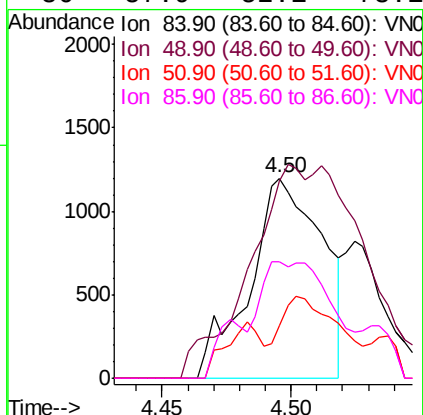
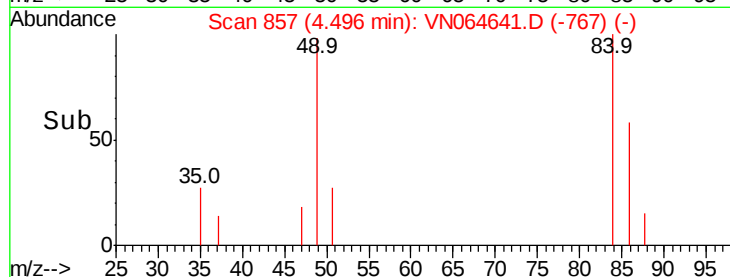
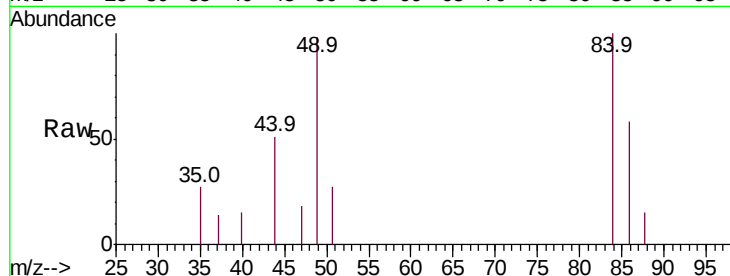




#20
Methvlene Chloride
Concen: 0.852 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

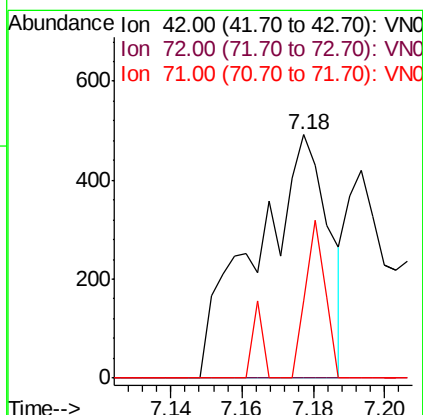
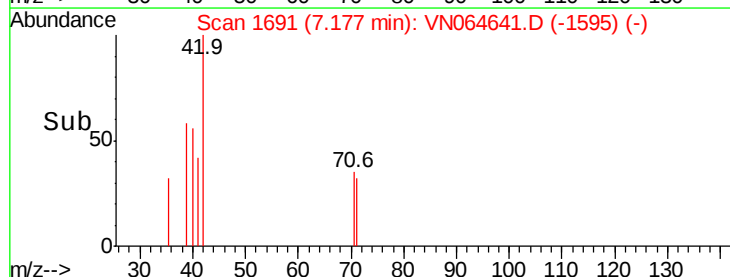
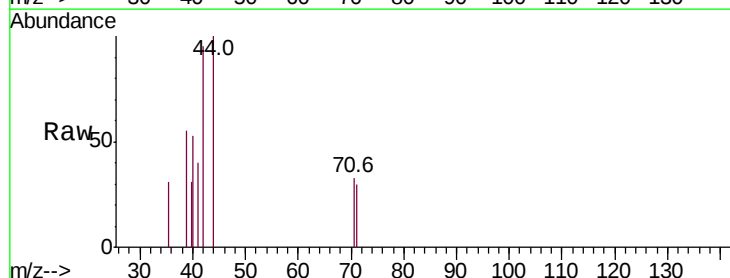
Instrument :
MSVOA_N
ClientSampleId :
FB111220

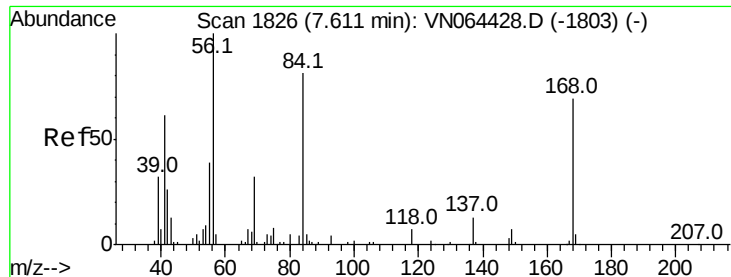
Tot Ion: 84 Resp: 2358
Ion Ratio Lower Upper
84 100
49 84.9 110.1 165.1#
51 26.5 33.6 50.4#
86 57.9 52.1 78.1



#29
Tetrahydrofuran
Concen: 0.634 ug/l
RT: 7.18 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

Tgt Ion: 42 Resp: 692
Ion Ratio Lower Upper
42 100
72 0.0 31.7 47.5#
71 17.8 29.8 44.6#

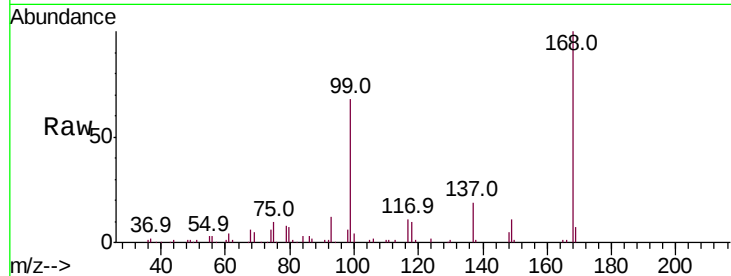




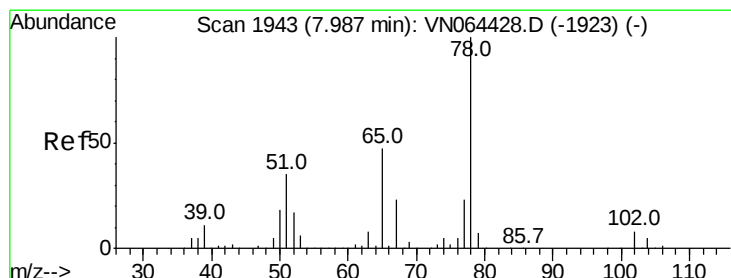
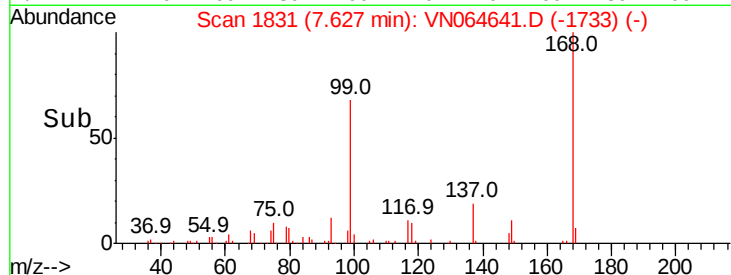
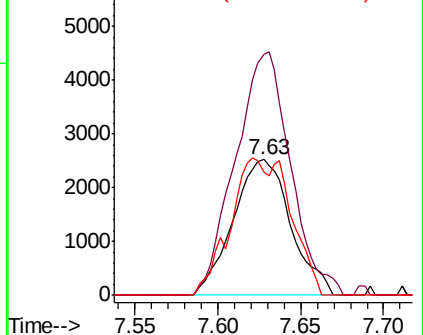
#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.02 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

Instrument :
MSVOA_N
ClientSampleId :
FB111220

Tot Ion: 56 Resp: 6123
Ion Ratio Lower Upper
56 100
69 177.9 25.6 38.4#
84 90.6 63.0 94.6

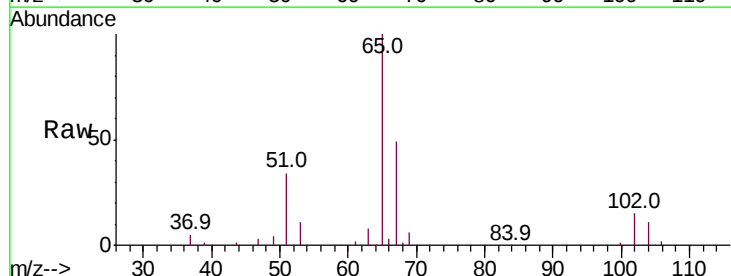


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

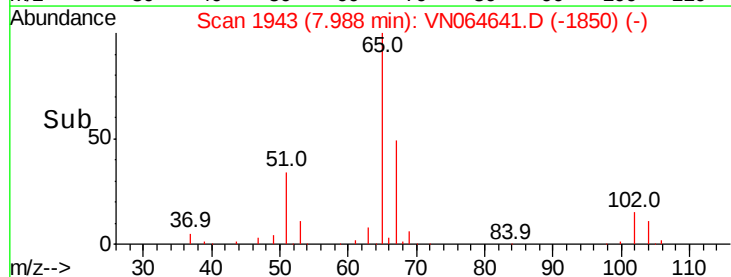
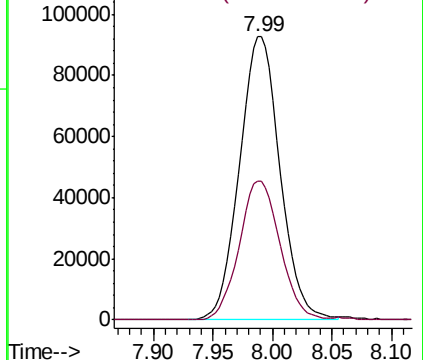


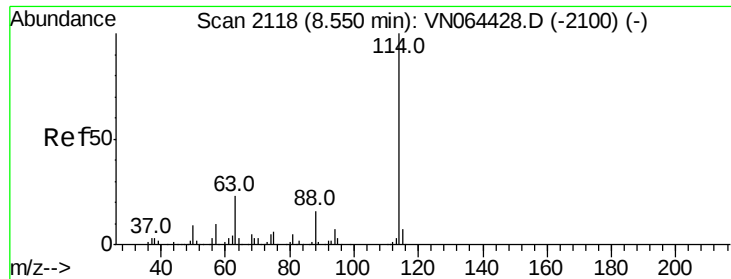
#33
1,2-Dichloroethane-d4
Concen: 59.614 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

Tgt Ion: 65 Resp: 218388
Ion Ratio Lower Upper
65 100
67 49.5 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# 2118

Delta R.T. 0.00 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

Instrument :

MSVOA_N

ClientSampled :

FB111220

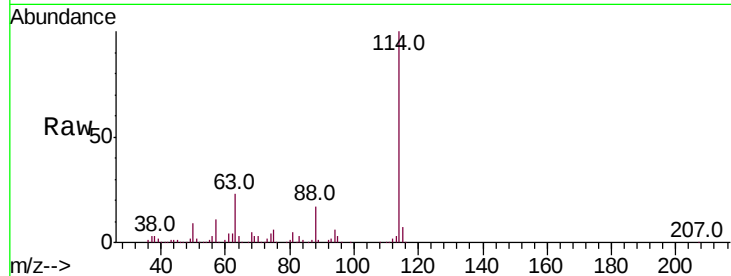
Tot Ion:114 Resp: 439067

Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

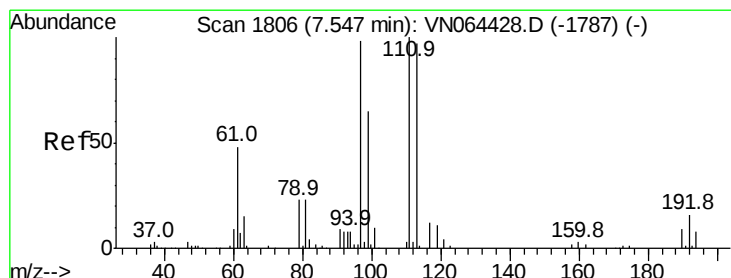
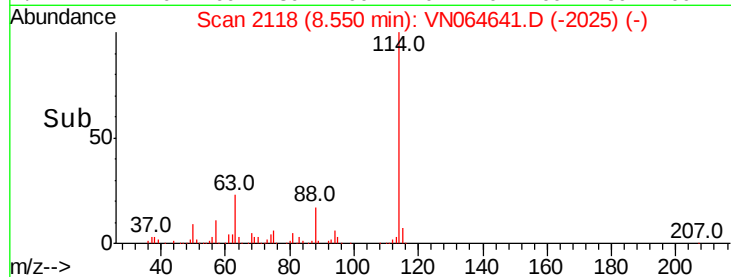
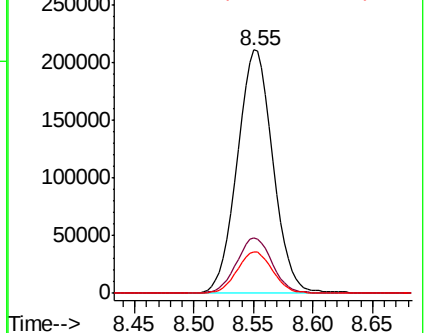
88 17.2 0.0 32.8



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: 52.057 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

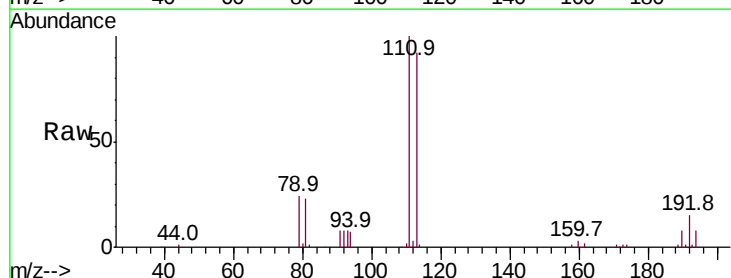
Tgt Ion:113 Resp: 155621

Ion Ratio Lower Upper

113 100

111 103.4 81.1 121.7

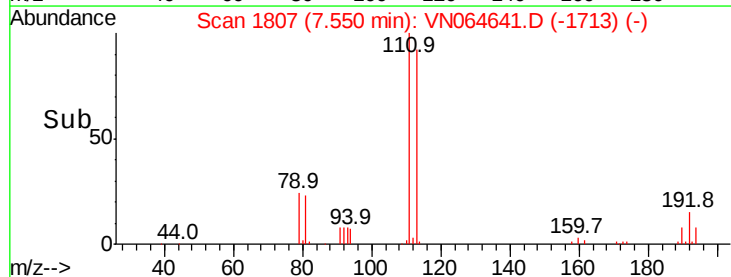
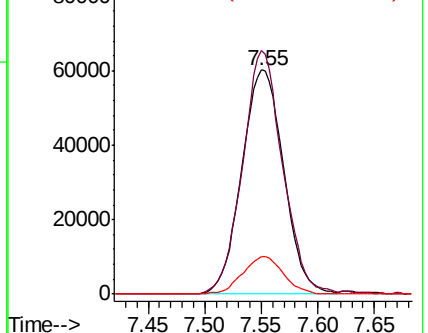
192 16.2 12.8 19.2

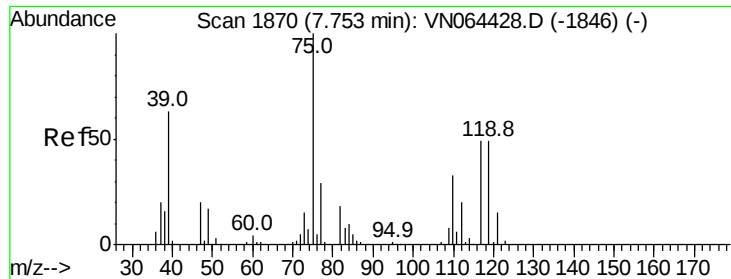


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.371 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

Instrument :

MSVOA_N

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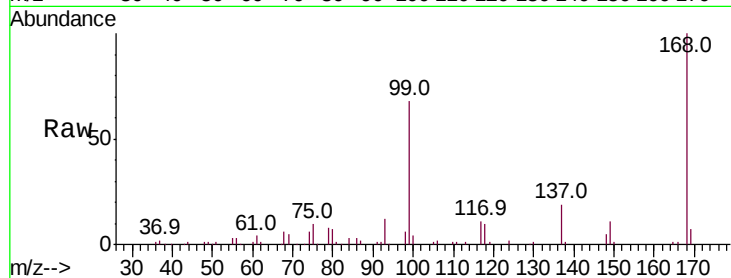
Tot Ion: 75 Resp: 20274

Ion Ratio Lower Upper

75 100

110 10.3 16.0 48.0#

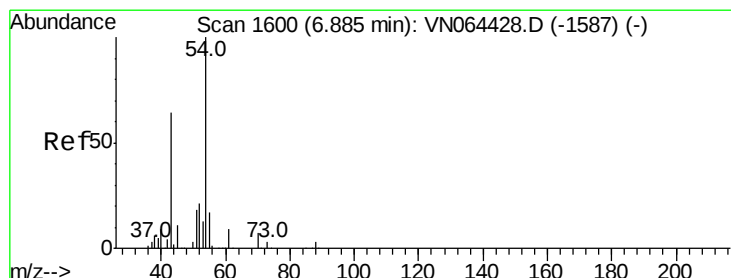
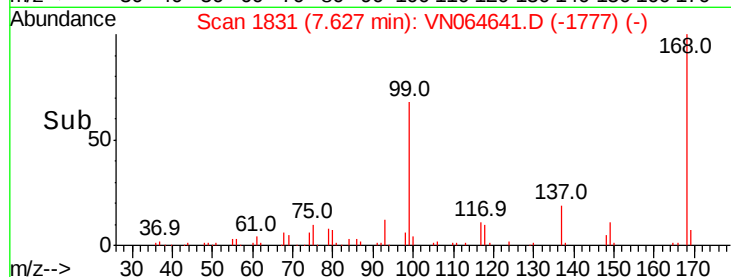
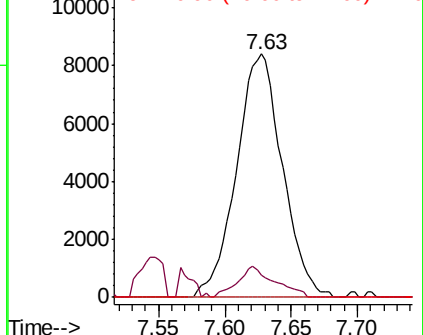
77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.855 ug/l

RT: 6.86 min Scan# 1591

Delta R.T. -0.03 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

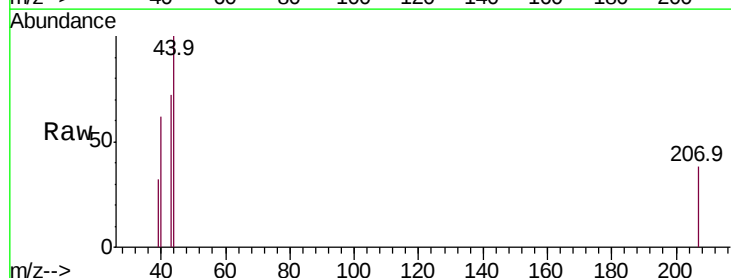
Tgt Ion: 43 Resp: 442

Ion Ratio Lower Upper

43 100

61 0.0 10.0 15.0#

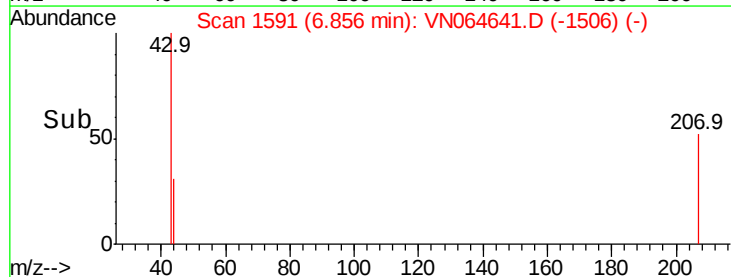
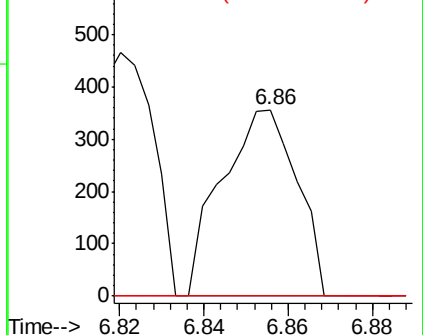
70 0.0 7.1 10.7#

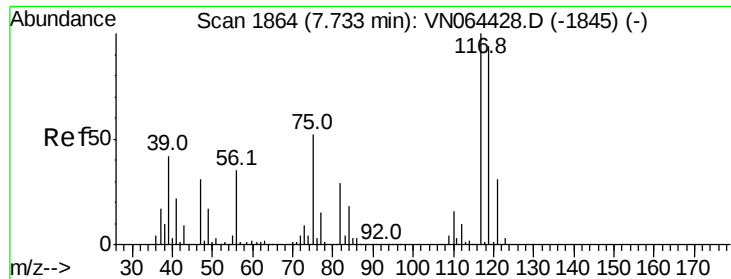


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 4.723 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

Instrument :

MSVOA_N

ClientSampleId :

FB111220

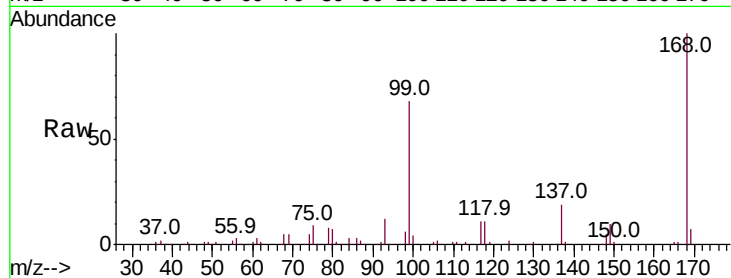
Tot Ion:117 Resp: 23411

Ion Ratio Lower Upper

117 100

119 7.0 75.5 113.3#

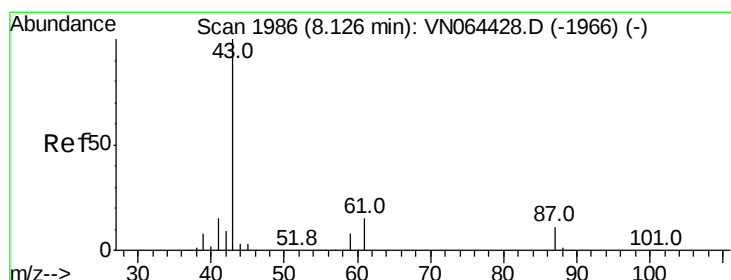
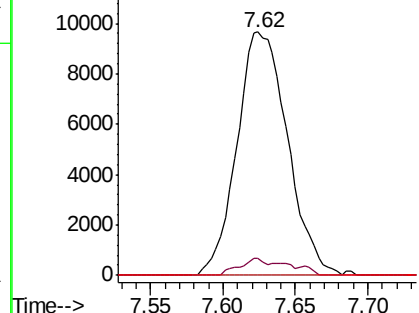
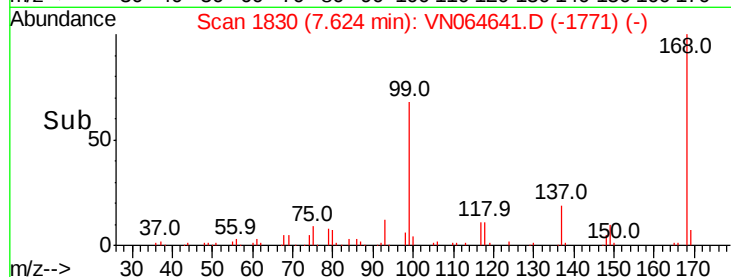
121 0.0 24.4 36.6#



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: 0.837 ug/l

RT: 8.23 min Scan# 2019

Delta R.T. 0.11 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

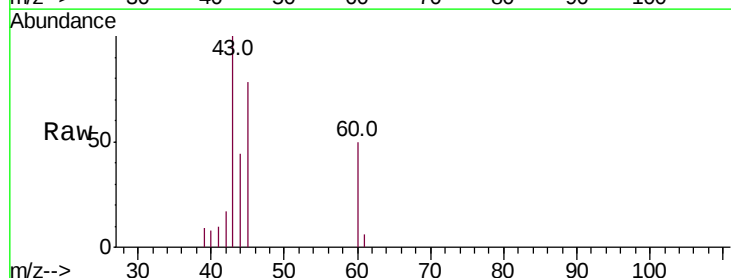
Tgt Ion: 43 Resp: 6289

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

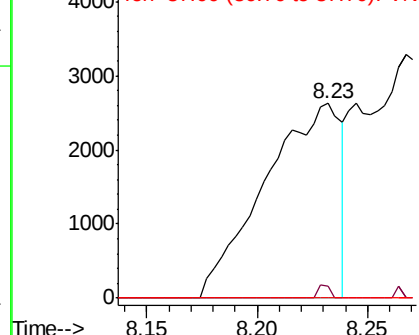
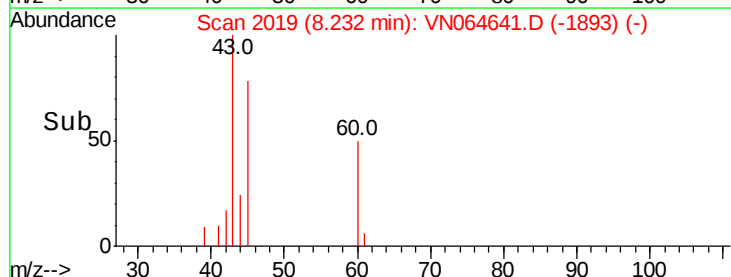
87 0.0 9.1 13.7#

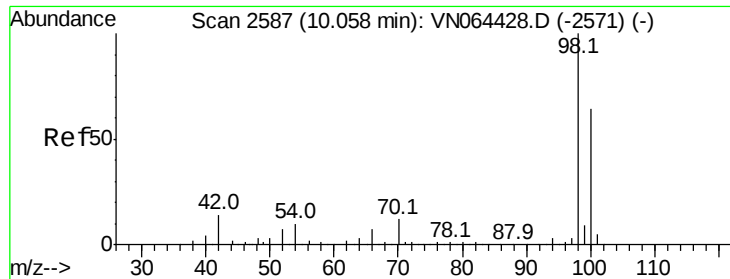


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 48.613 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

Instrument :

MSVOA_N

ClientSampleId :

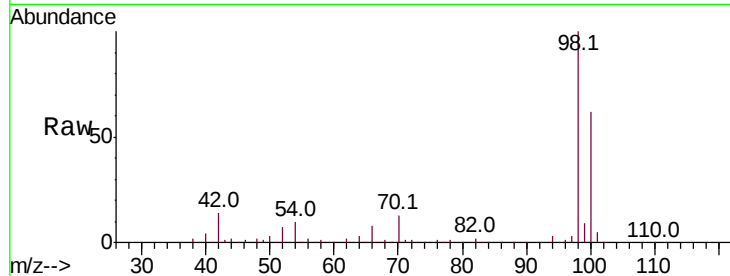
FB111220

Tot Ion: 98 Resp: 561687

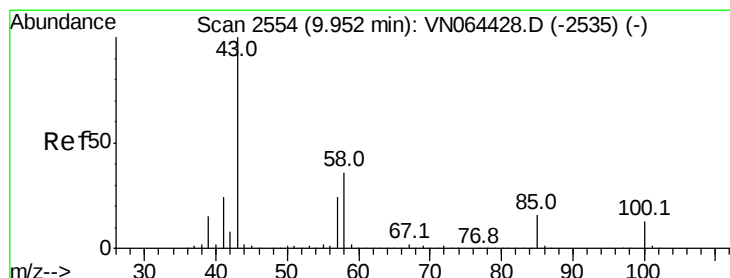
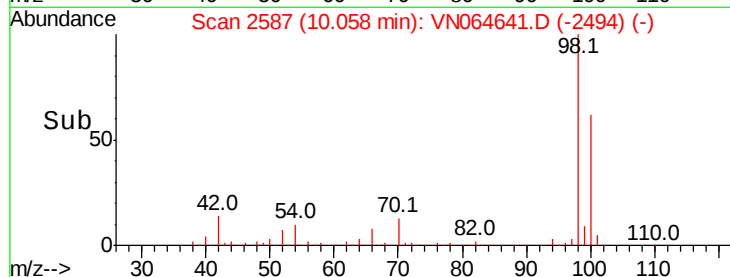
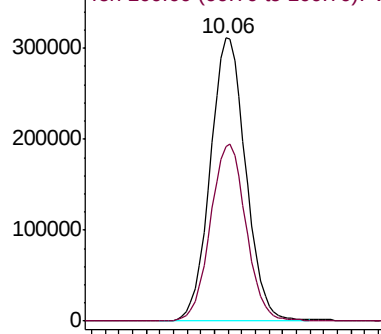
Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.377 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064641.D

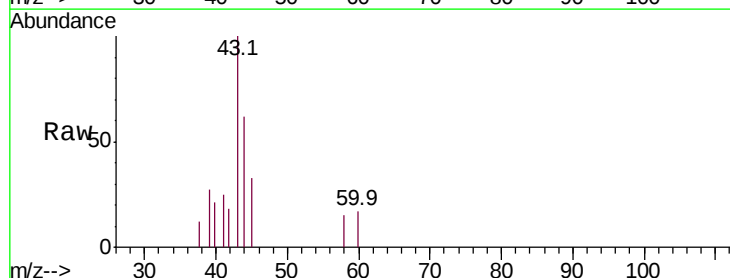
Acq: 13 Nov 2020 19:34

Tgt Ion: 43 Resp: 1651

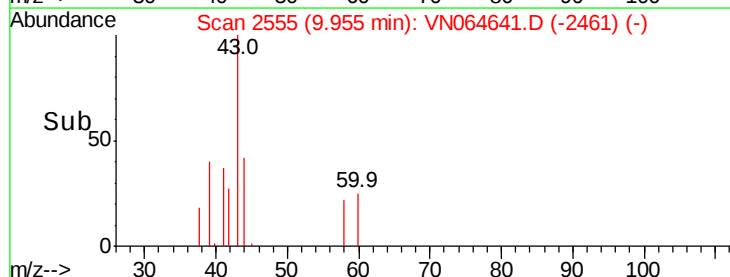
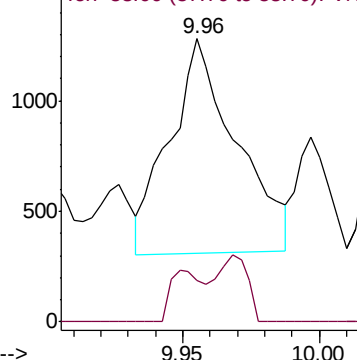
Ion Ratio Lower Upper

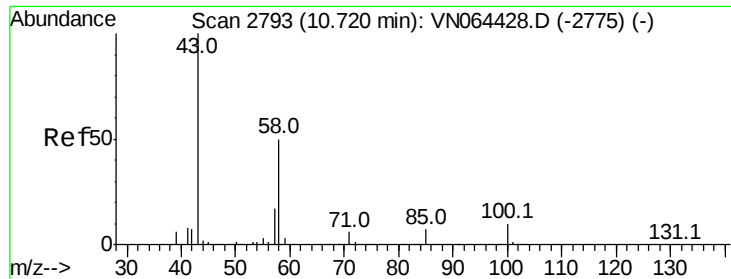
43 100

58 11.9 28.4 42.6#



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

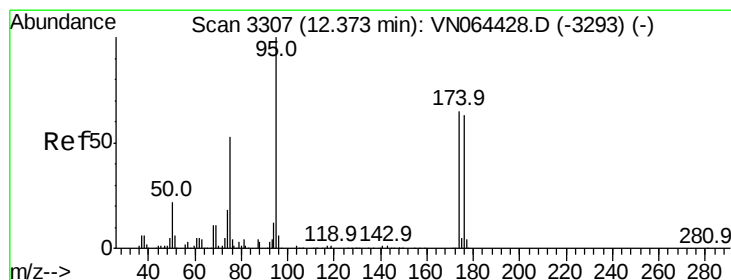
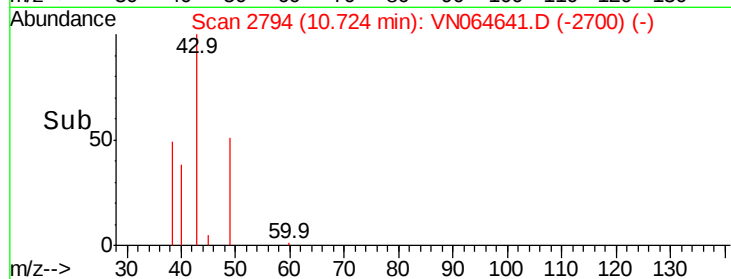
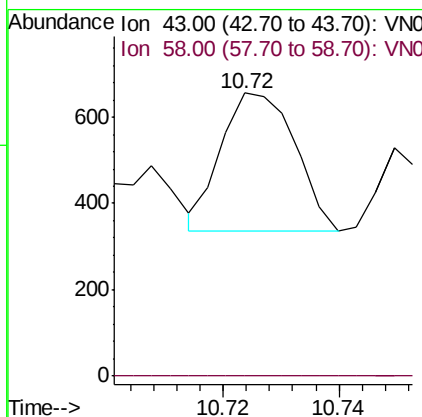
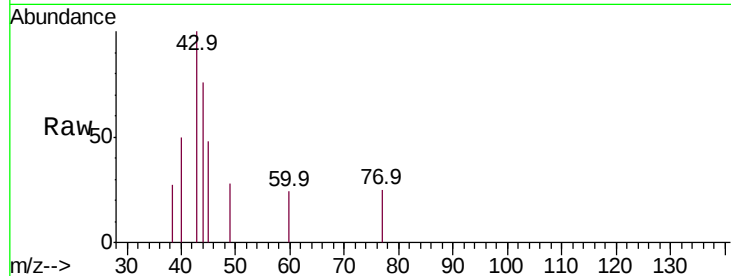




#59
2-Hexanone
Concen: 4.106 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

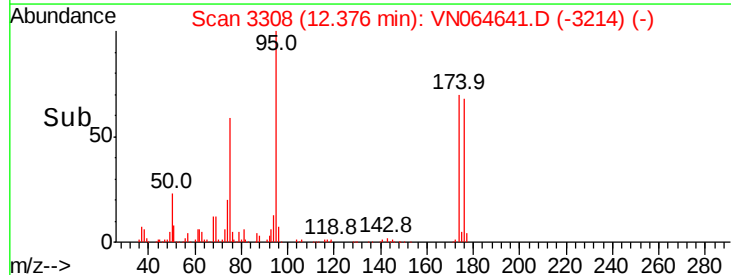
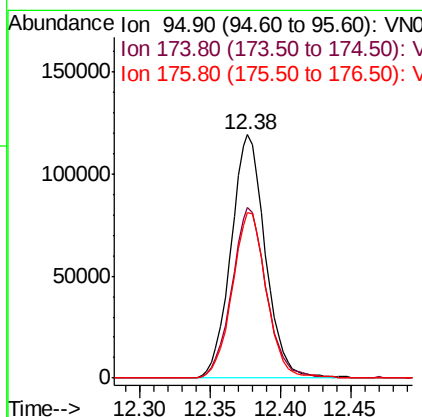
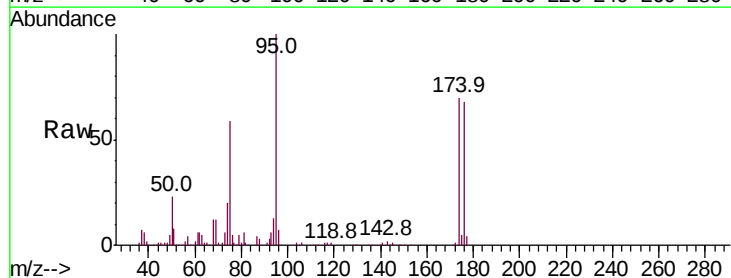
Instrument :
MSVOA_N
ClientSampleId :
FB111220

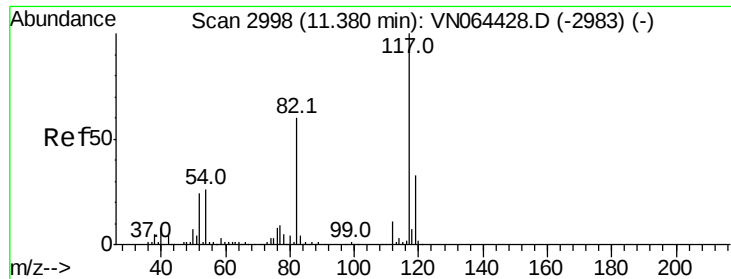
Tot Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 46.407 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

Tgt Ion: 95 Resp: 202781
Ion Ratio Lower Upper
95 100
174 70.5 0.0 132.6
176 67.9 0.0 129.2

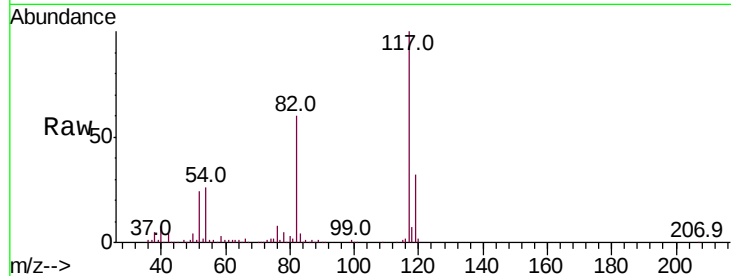




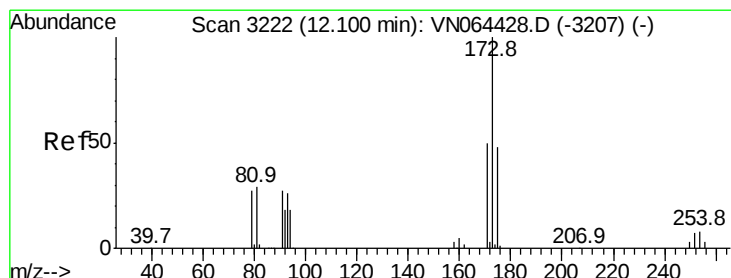
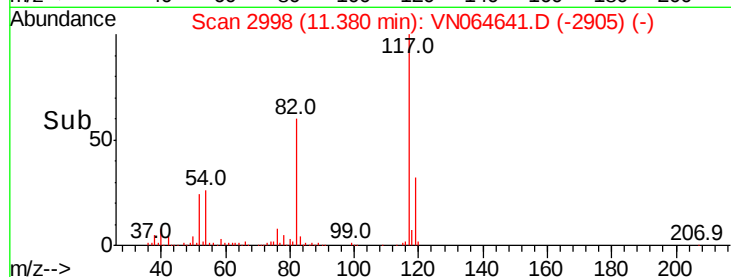
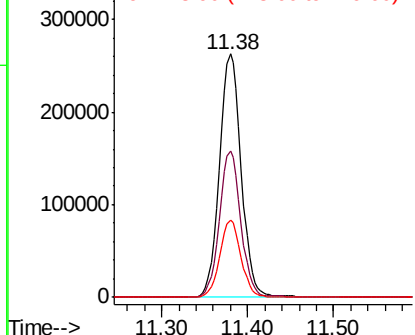
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

Instrument :
MSVOA_N
ClientSampleId :
FB111220

Tot Ion:117 Resp: 462848
Ion Ratio Lower Upper
117 100
82 60.1 48.1 72.1
119 32.0 26.2 39.4

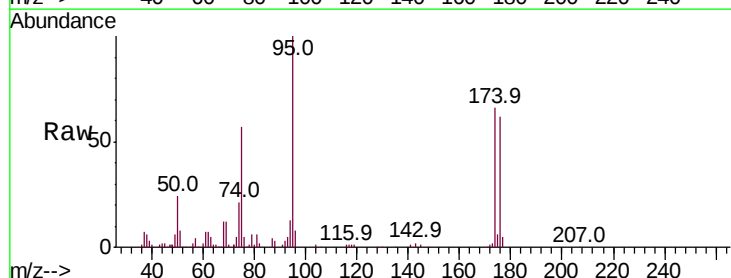


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

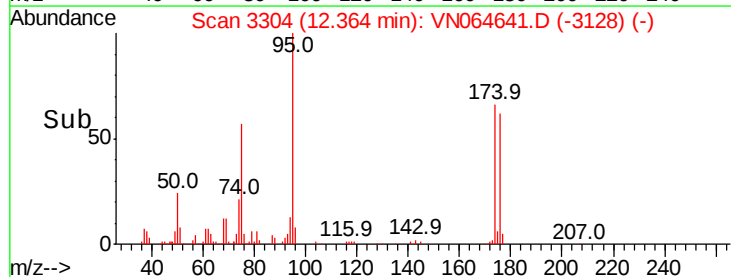
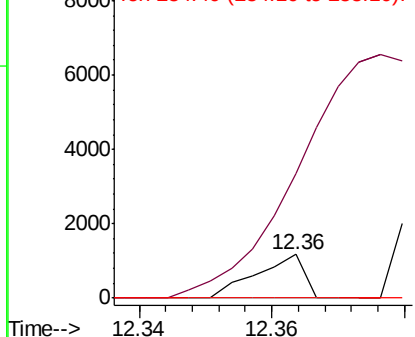


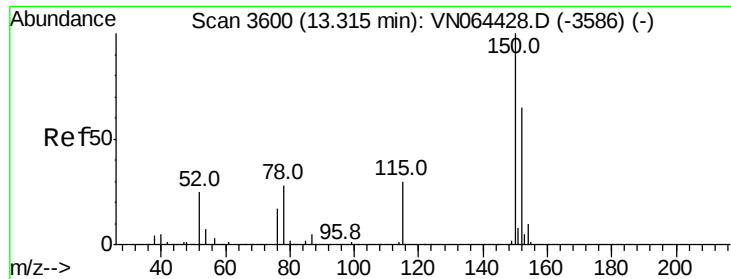
#71
Bromoform
Concen: 1.478 ug/l
RT: 12.36 min Scan# 3304
Delta R.T. 0.26 min
Lab File: VN064641.D
Acq: 13 Nov 2020 19:34

Tgt Ion:173 Resp: 591
Ion Ratio Lower Upper
173 100
175 0.0 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: VN064641.D

Acq: 13 Nov 2020 19:34

Instrument :

MSVOA_N

ClientSampleId :

FB111220

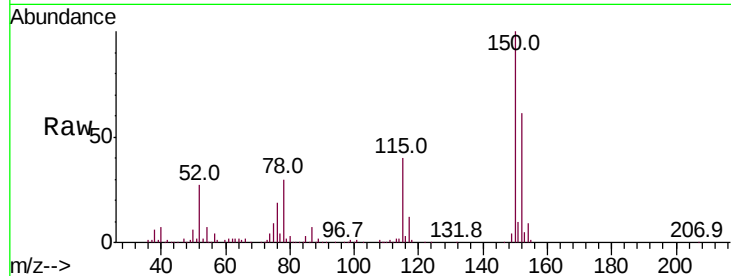
Tot Ion:152 Resp: 161659

Ion Ratio Lower Upper

152 100

115 65.0 32.0 96.0

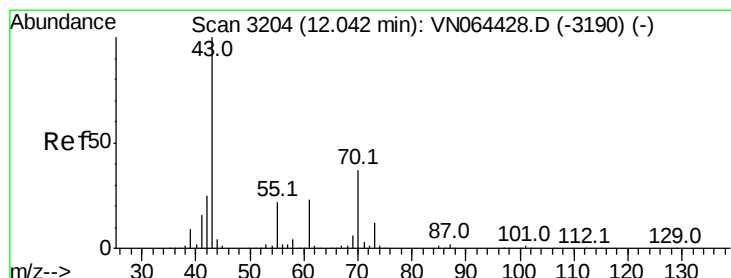
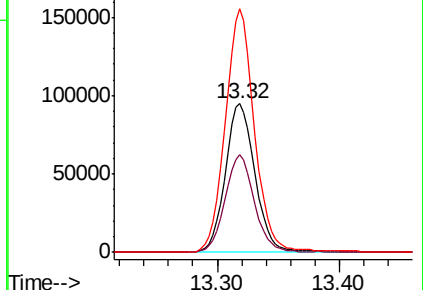
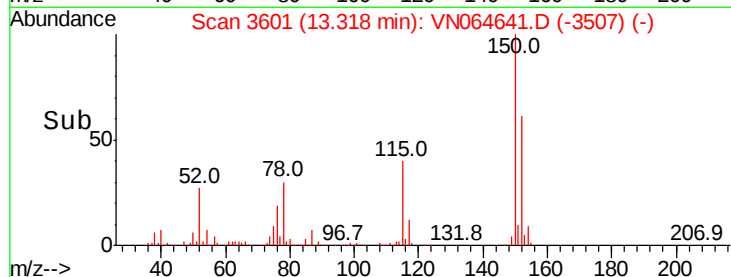
150 160.1 0.0 353.8



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: 1.235 ug/l

RT: 12.06 min Scan# 3211

Delta R.T. 0.02 min

Lab File: VN064641.D

Acq: 13 Nov 2020 19:34

Tgt Ion: 43 Resp: 135

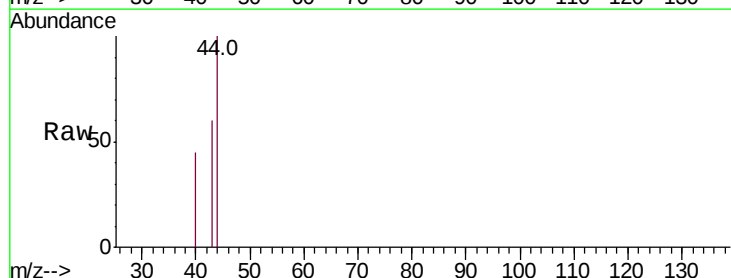
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

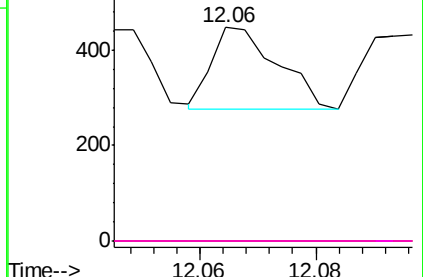
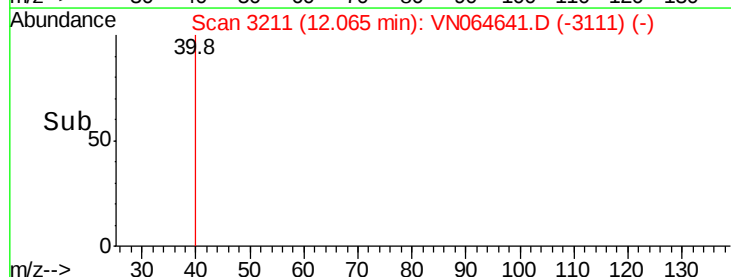


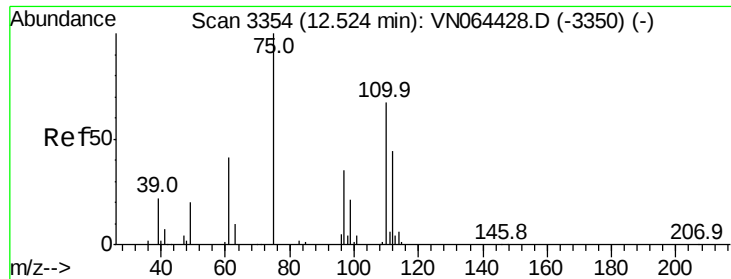
Abundance Ion 43.00 (42.70 to 43.70): V

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

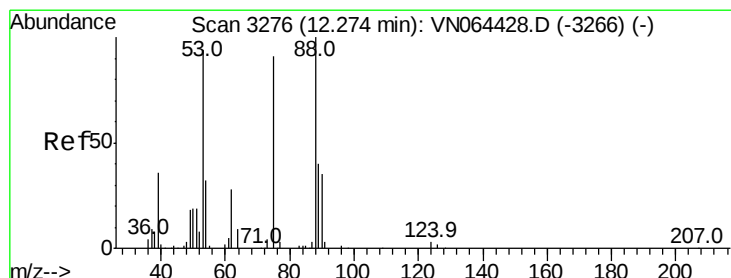
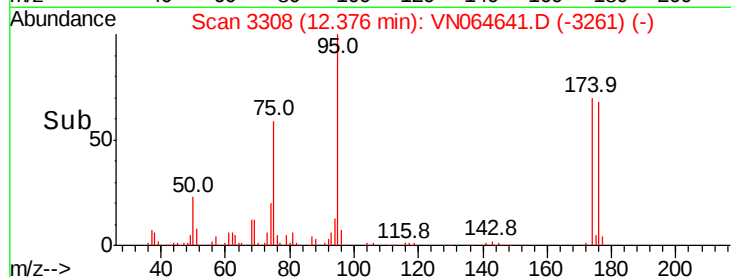
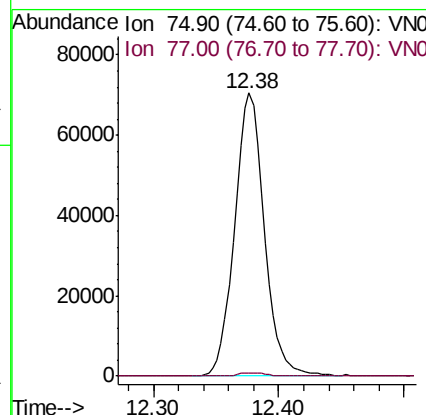
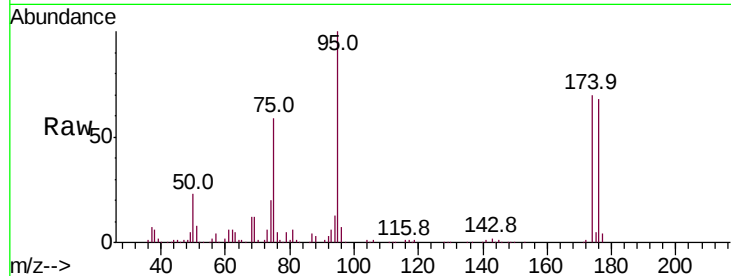




#76
 1,2,3-Trichloropropane
 Concen: 29.556 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064641.D
 Acq: 13 Nov 2020 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 FB111220

Tot Ion: 75 Resp: 115768
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.525 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064641.D
 Acq: 13 Nov 2020 19:34

Tgt Ion: 75 Resp: 115768
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.0 126.0#
 89 0.0 36.3 54.5#

