

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\
 Data File : VN064611.D
 Acq On : 13 Nov 2020 4:33
 Operator : JC/MD
 Sample : PB132945ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#09

Quant Time: Nov 13 06:10:48 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	223022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	549699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194245	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	231137	59.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.00%	
35) Dibromofluoromethane	7.55	113	166103	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
50) Toluene-d8	10.06	98	654867	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.38	95	244778	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	

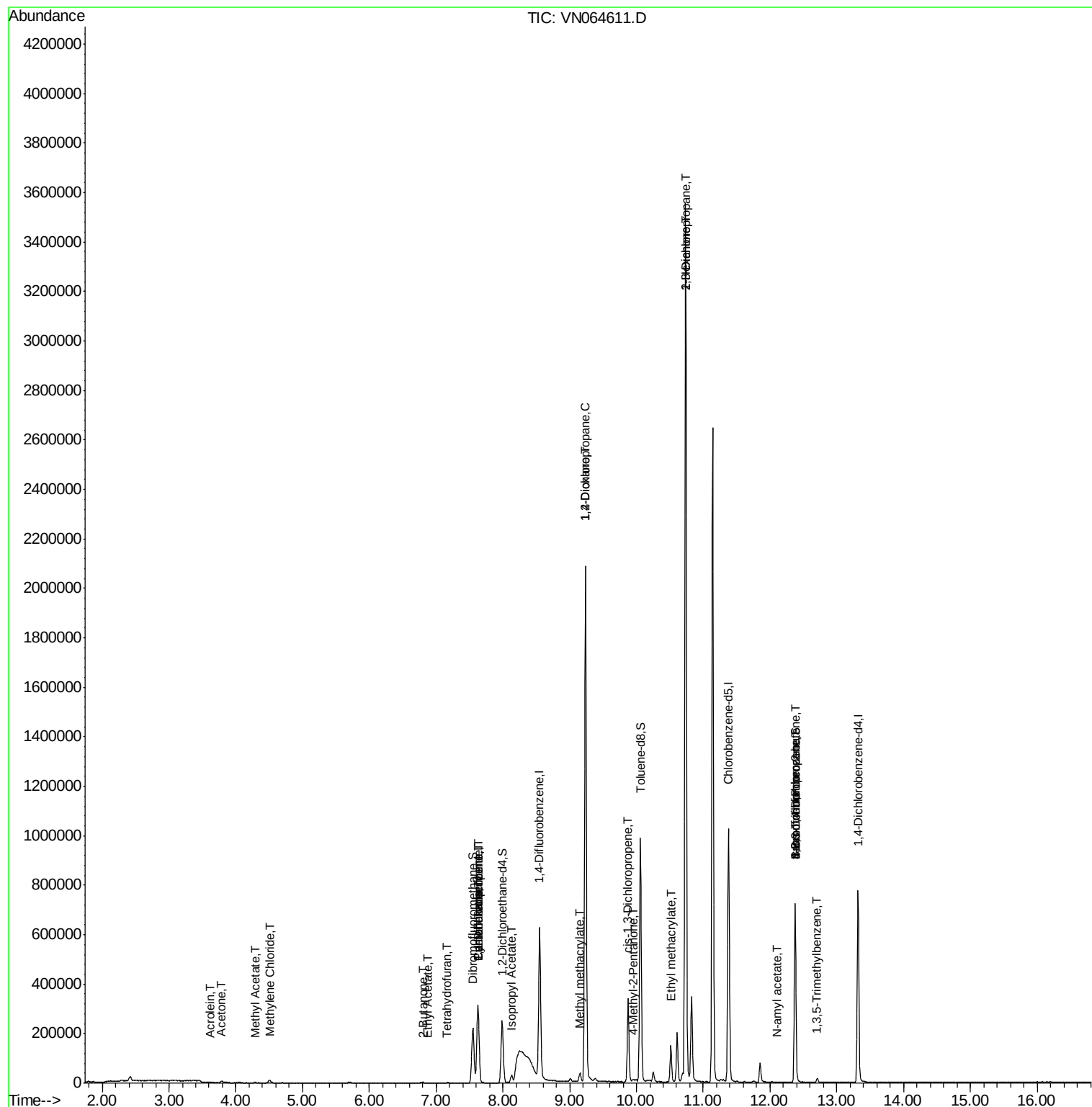
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	67	0.252	ug/l #	15
16) Acetone	3.79	43	11729	7.926	ug/l #	89
18) Methyl Acetate	4.29	43	1363	0.469	ug/l #	83
20) Methylene Chloride	4.51	84	6442	2.194	ug/l #	91
25) 2-Butanone	6.80	43	1648	0.874	ug/l #	52
29) Tetrahydrofuran	7.17	42	596	0.515	ug/l #	65
31) Cyclohexane	7.62	56	6879	1.457	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	22156	4.134	ug/l #	52
37) Ethyl Acetate	6.88	43	245	0.807	ug/l #	71
38) Carbon Tetrachloride	7.62	117	26801	4.680	ug/l #	18
43) Isopropyl Acetate	8.13	43	38308	4.411	ug/l #	98
45) 1,2-Dichloropropane	9.23	63	2192	0.522	ug/l #	45
48) Methyl methacrylate	9.15	41	8466	1.932	ug/l #	15
49) 1,4-Dioxane	9.23	88	213	3.690	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	7600	1.501	ug/l #	91
54) cis-1,3-Dichloropropene	9.87	75	52593	7.802	ug/l #	69
56) Ethyl methacrylate	10.51	69	1665	2.101	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	31699	4.848	ug/l #	43
59) 2-Hexanone	10.74	43	530769	130.478	ug/l #	53
71) Bromoform	12.37	173	483	1.415	ug/l #	1
74) N-amyl acetate	12.11	43	801	1.319	ug/l #	51
76) 1,2,3-Trichloropropane	12.38	75	131950	28.036	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	7707	0.605	ug/l #	92
81) trans-1,4-Dichloro-2-buten	12.38	75	131950	78.281	ug/l #	8

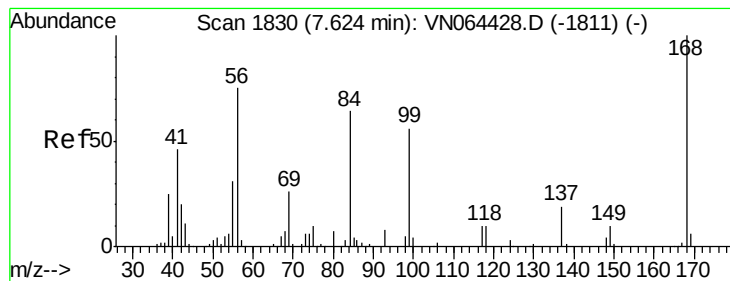
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111220\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

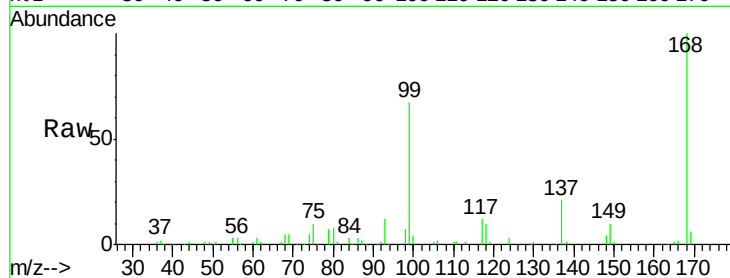
PB132945ZHE#09

Tot Ion:168 Resp: 223022

Ion Ratio Lower Upper

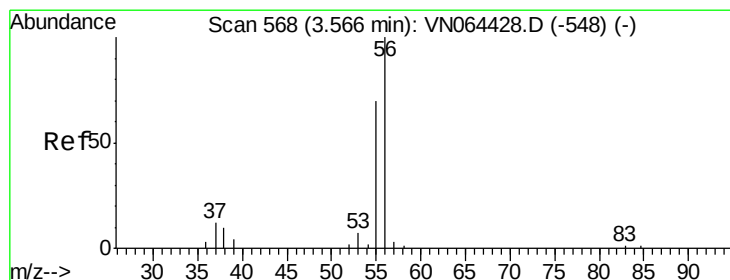
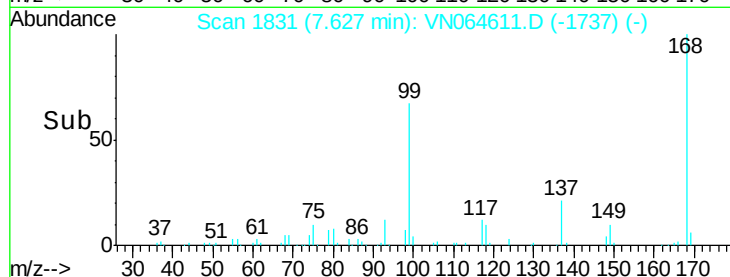
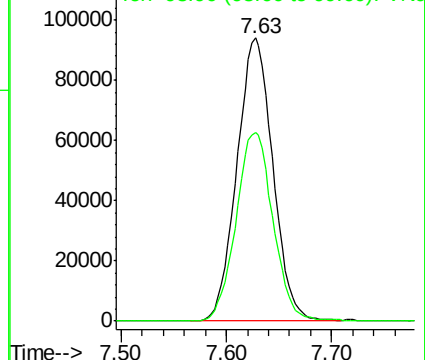
168 100

99 66.6 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.252 ug/l

RT: 3.61 min Scan# 583

Delta R.T. 0.05 min

Lab File: VN064611.D

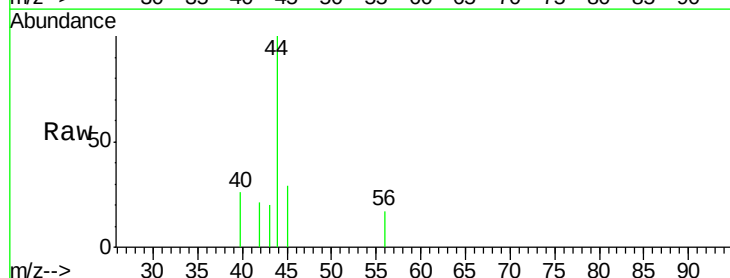
Acq: 13 Nov 2020 4:33

Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

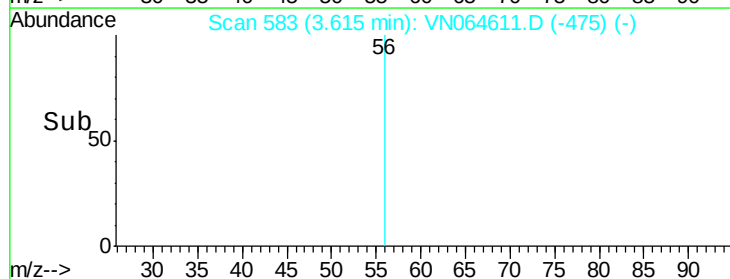
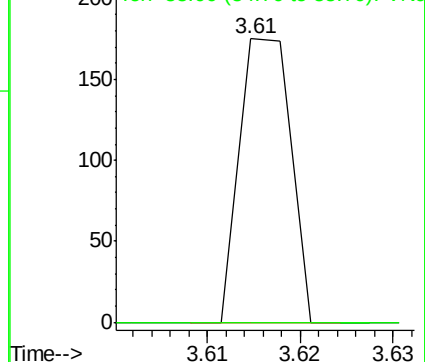
56 100

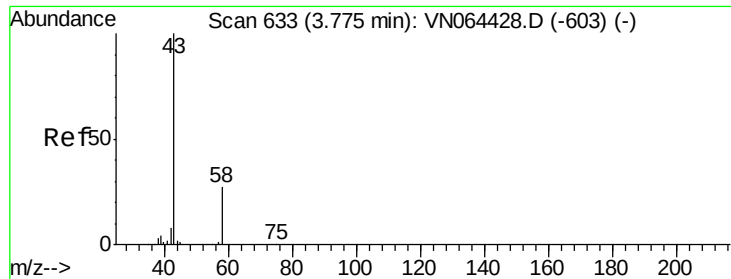
55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 7.926 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

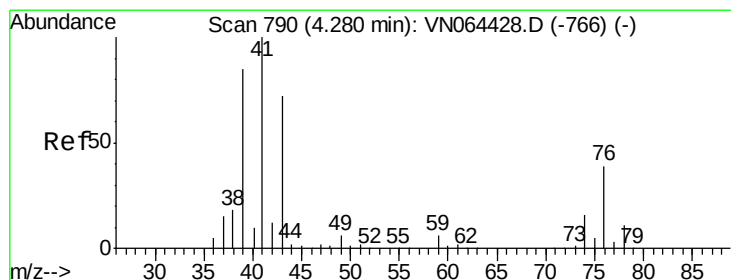
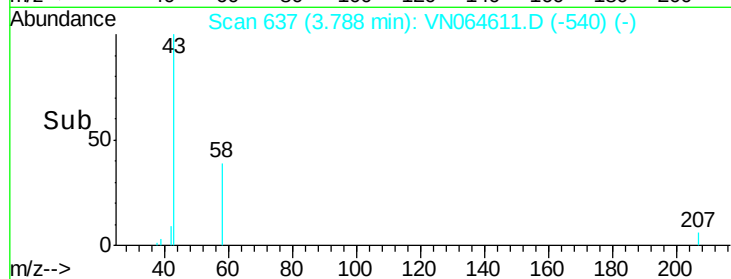
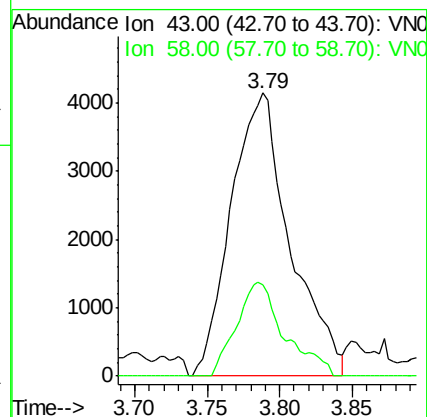
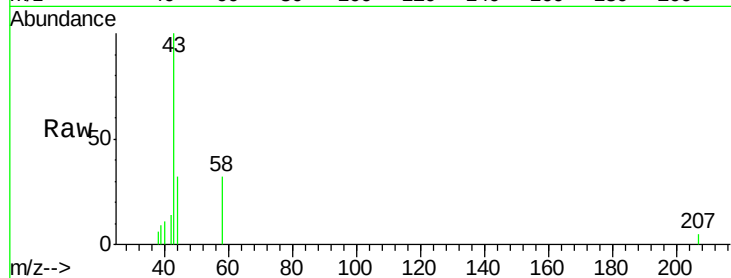
PB132945ZHE#09

Tot Ion: 43 Resp: 11729

Ion Ratio Lower Upper

43 100

58 32.4 21.4 32.0#



#18

Methyl Acetate

Concen: 0.469 ug/l

RT: 4.29 min Scan# 794

Delta R.T. 0.01 min

Lab File: VN064611.D

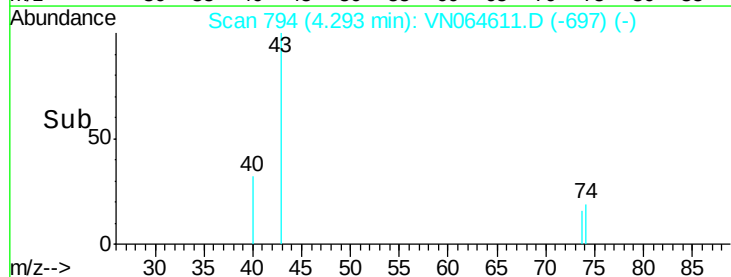
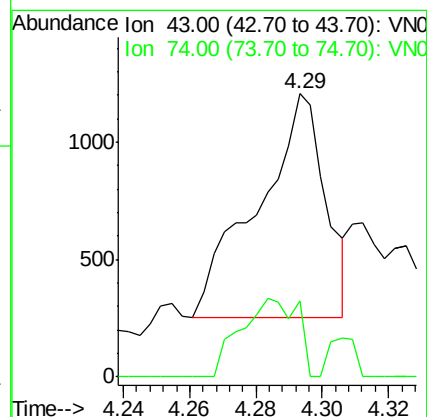
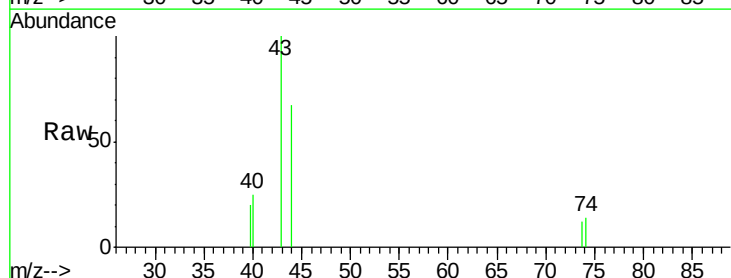
Acq: 13 Nov 2020 4:33

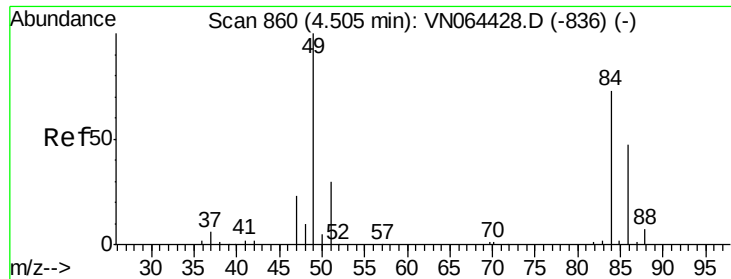
Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

43 100

74 29.1 17.0 25.4#

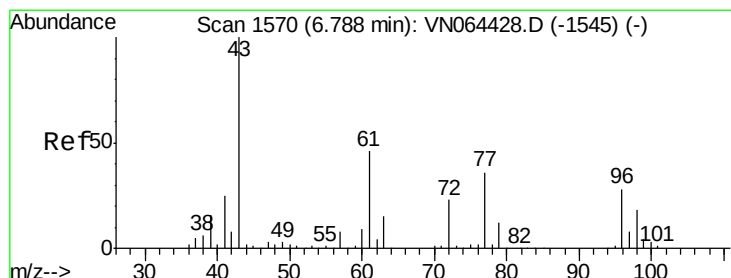
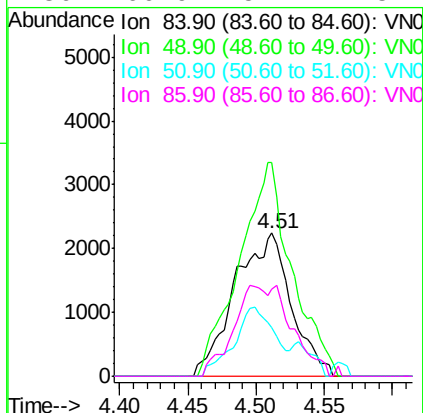
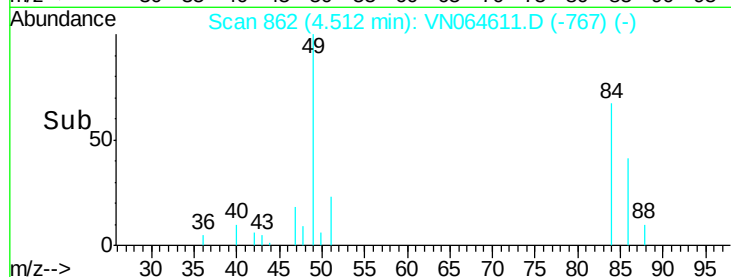
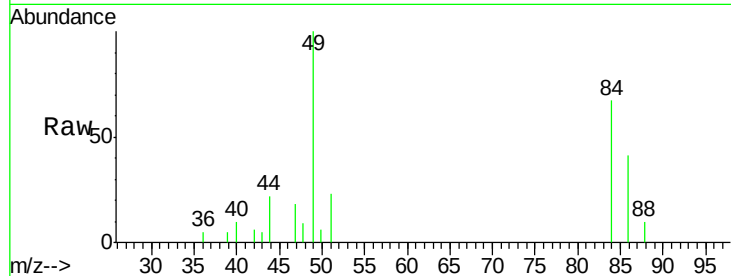




#20
Methvlene Chloride
Concen: 2.194 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

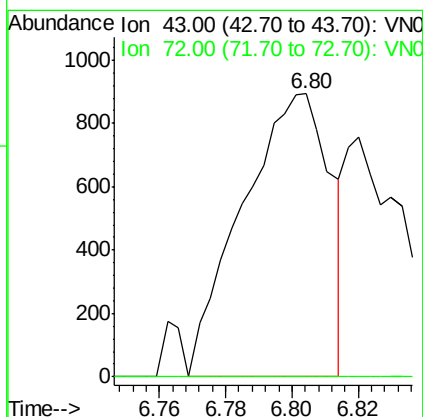
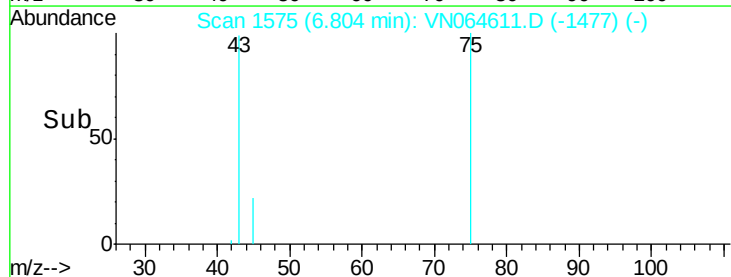
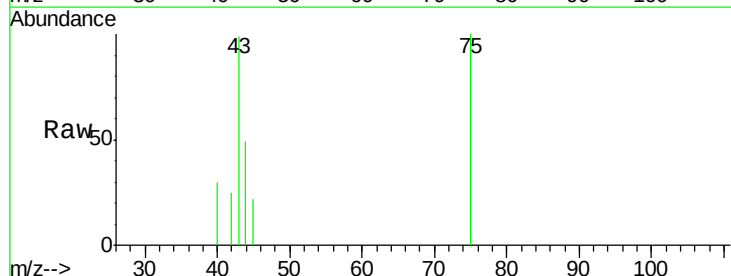
Instrument :
MSVOA_N
ClientSampleId :
PB132945ZHE#09

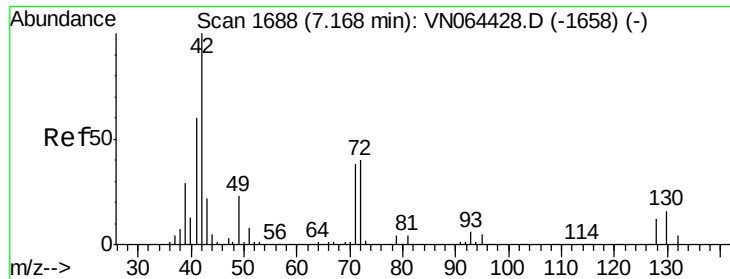
Tot Ion:	84	Resp:	6442
Ion	Ratio	Lower	Upper
84	100		
49	149.5	110.1	165.1
51	33.6	33.6	50.4
86	60.9	52.1	78.1



#25
2-Butanone
Concen: 0.874 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

Tgt Ion:	43	Resp:	1648
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.5	27.7#





#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#09

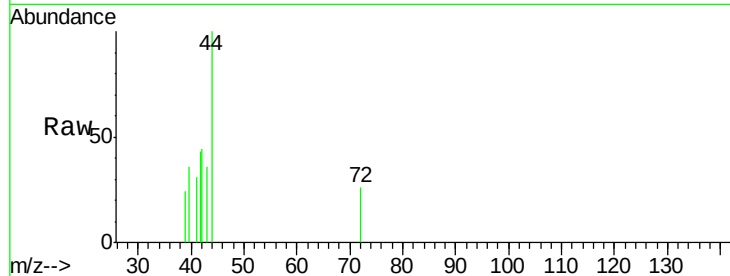
Tot Ion: 42 Resp: 596

Ion Ratio Lower Upper

42 100

72 22.0 31.7 47.5#

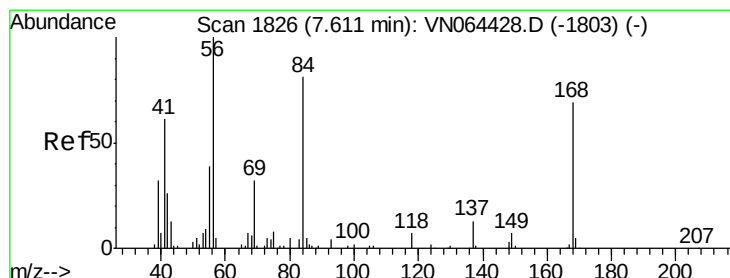
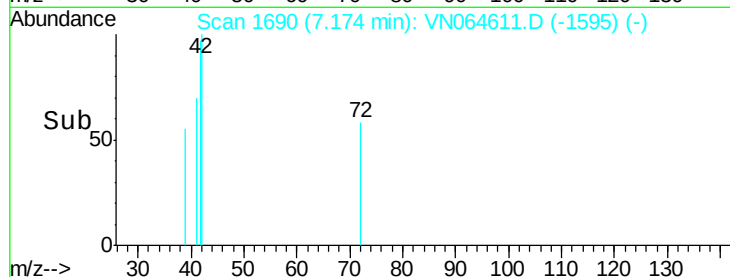
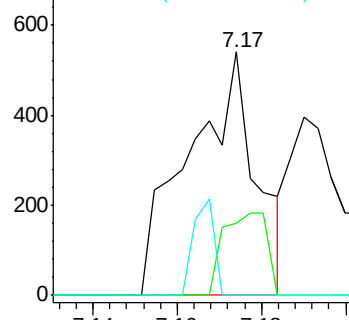
71 12.4 29.8 44.6#



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: 1.457 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

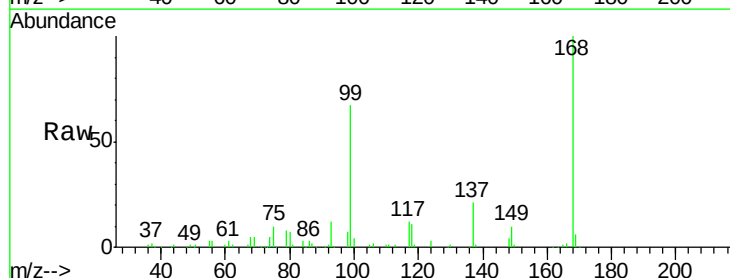
Tgt Ion: 56 Resp: 6879

Ion Ratio Lower Upper

56 100

69 140.2 25.6 38.4#

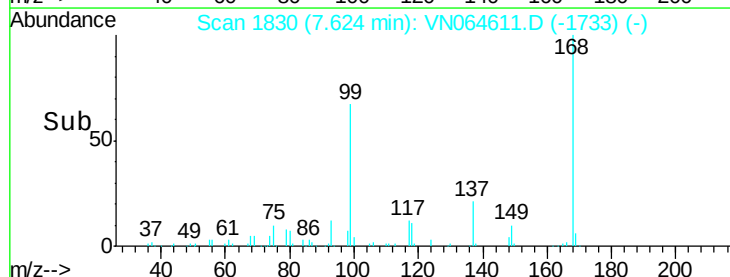
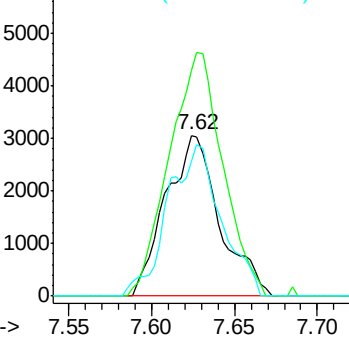
84 89.9 63.0 94.6

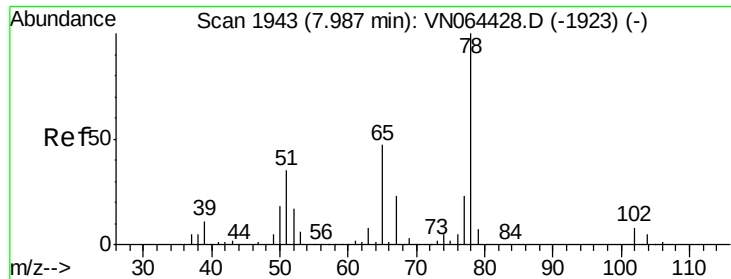


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 59.499 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

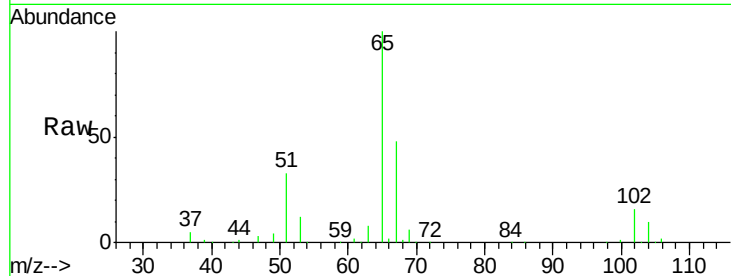
PB132945ZHE#09

Tot Ion: 65 Resp: 231137

Ion Ratio Lower Upper

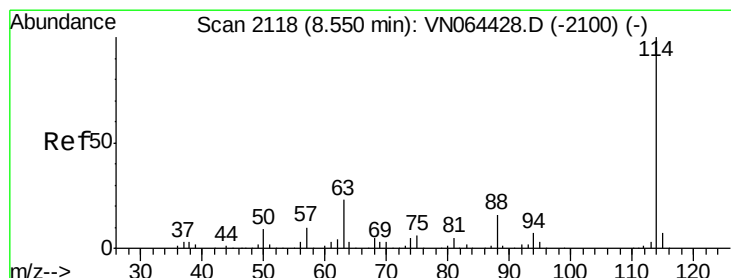
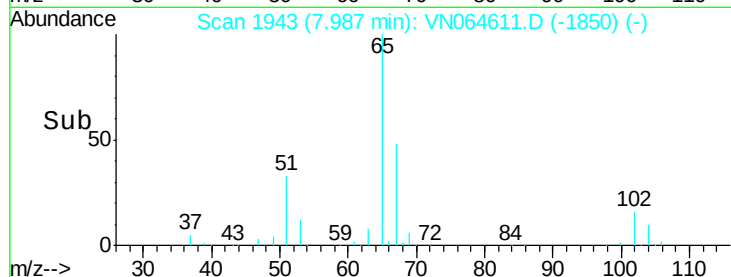
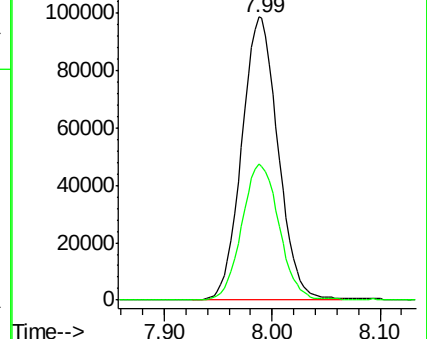
65 100

67 49.3 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: VN064611.D

Acq: 13 Nov 2020 4:33

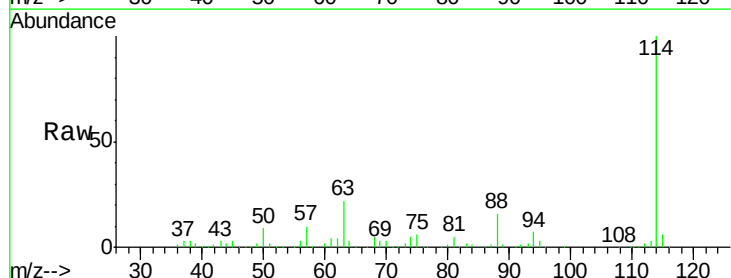
Tgt Ion: 114 Resp: 507262

Ion Ratio Lower Upper

114 100

63 21.9 0.0 45.6

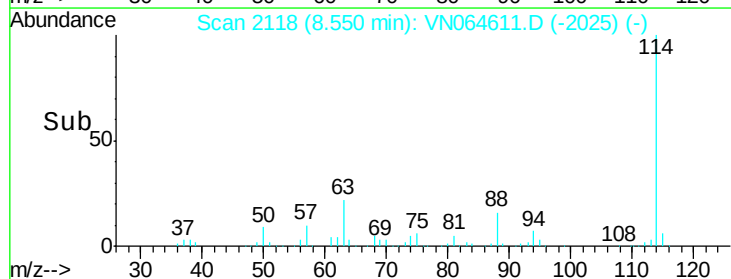
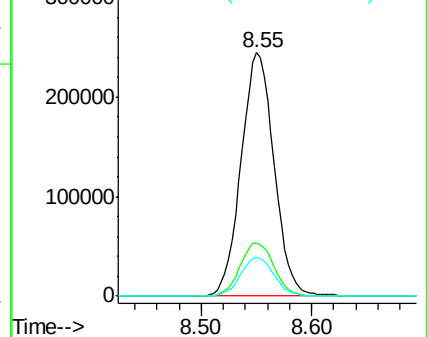
88 15.9 0.0 32.8

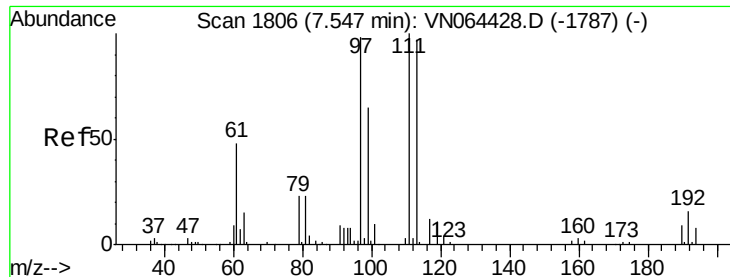


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

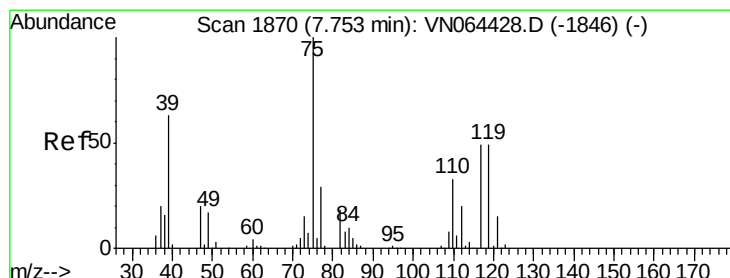
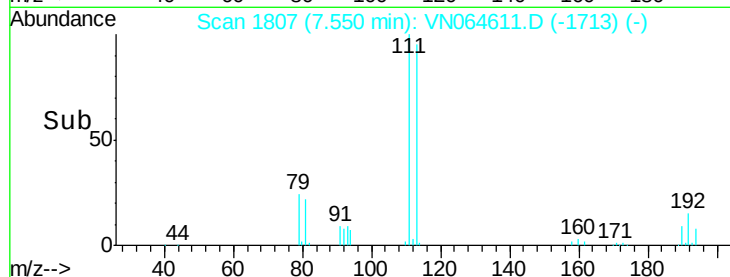
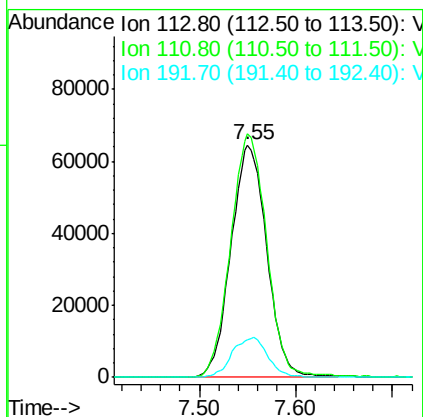
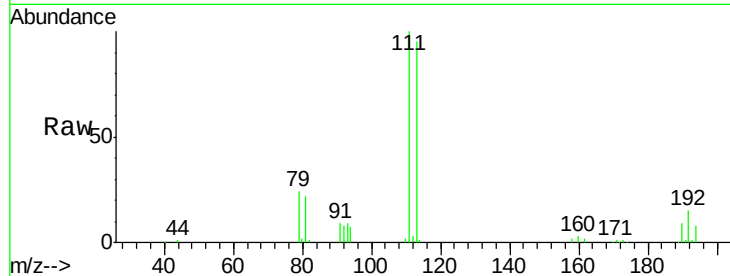




#35
 Dibromofluoromethane
 Concen: 48.093 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064611.D
 Acq: 13 Nov 2020 4:33

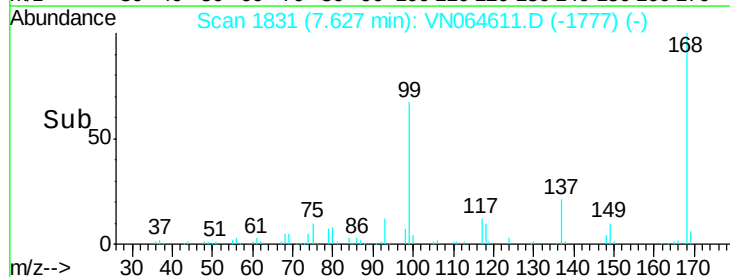
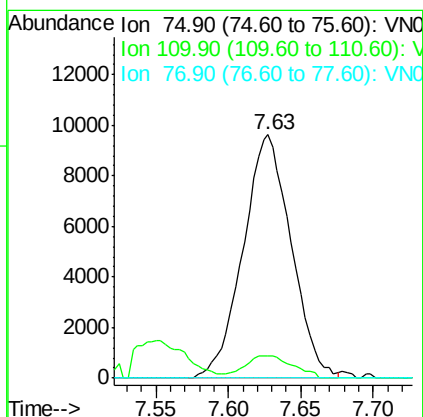
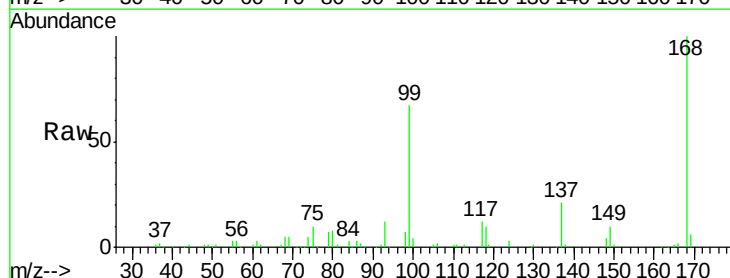
Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#09

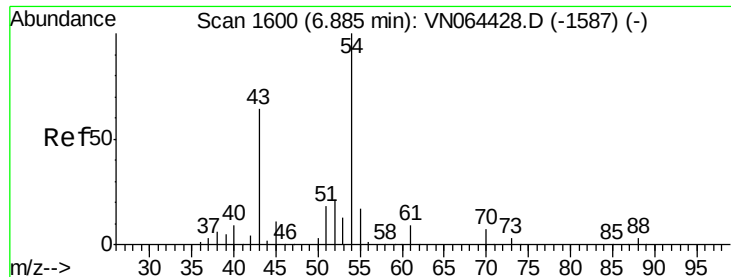
Tot Ion:113 Resp: 166103
 Ion Ratio Lower Upper
 113 100
 111 105.1 81.1 121.7
 192 16.9 12.8 19.2



#36
 1,1-Dichloropropene
 Concen: 4.134 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064611.D
 Acq: 13 Nov 2020 4:33

Tgt Ion: 75 Resp: 22156
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.0 48.0#
 77 0.0 24.0 36.0#

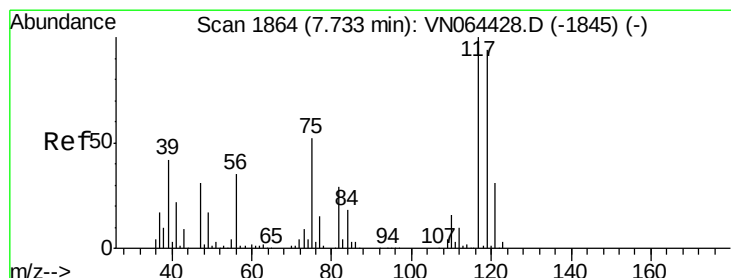
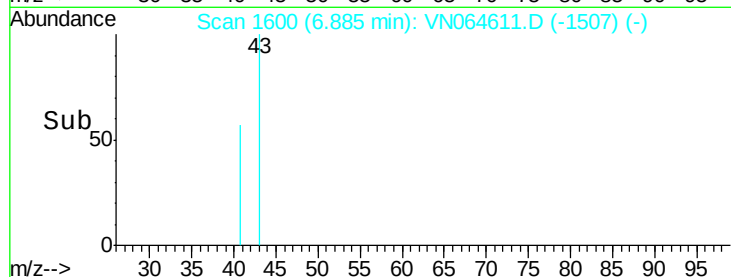
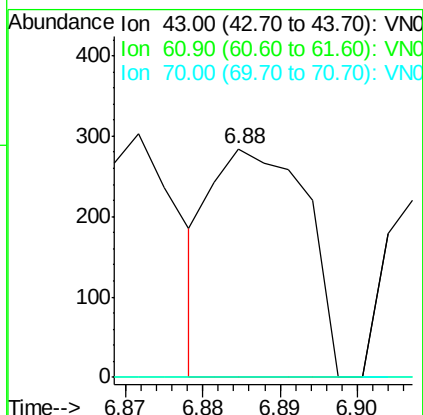
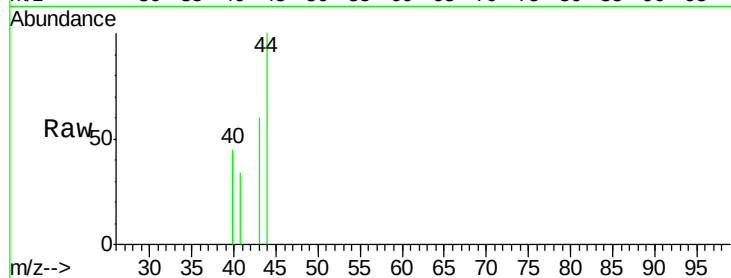




#37
Ethyl Acetate
Concen: 0.807 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

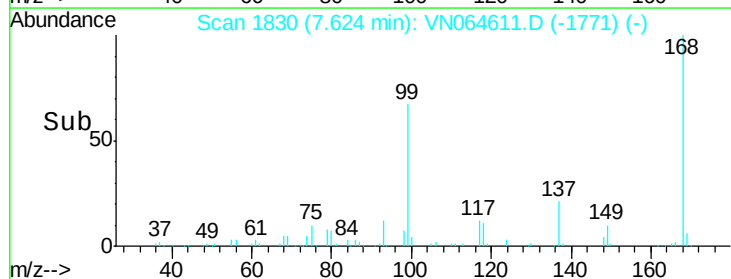
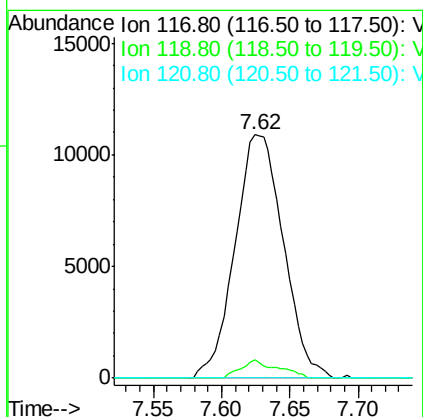
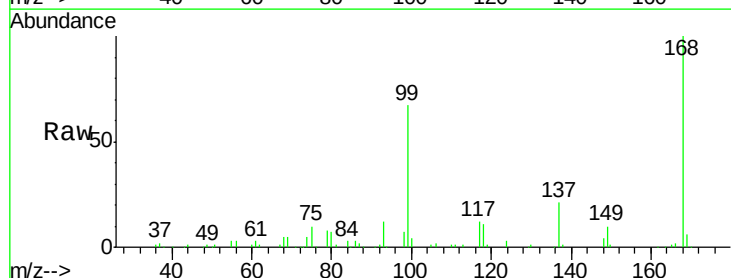
Instrument :
MSVOA_N
ClientSampleId :
PB132945ZHE#09

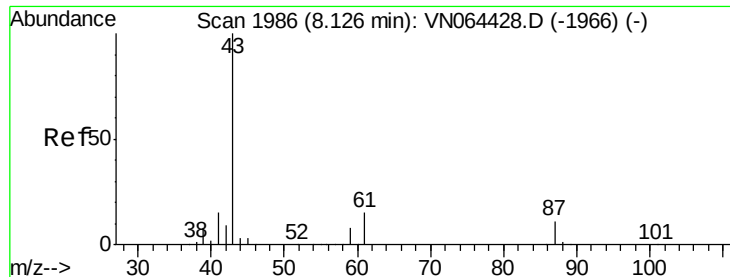
Tot Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 4.680 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

Tgt Ion: 117 Resp: 26801
Ion Ratio Lower Upper
117 100
119 7.3 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 4.411 ug/l

RT: 8.13 min Scan# 1988

Delta R.T. 0.01 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#09

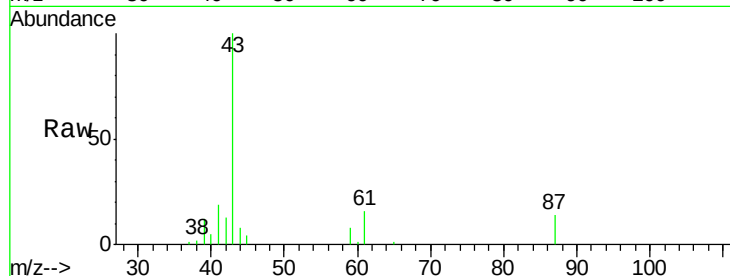
Tot Ion: 43 Resp: 38308

Ion Ratio Lower Upper

43 100

61 16.9 14.0 21.0

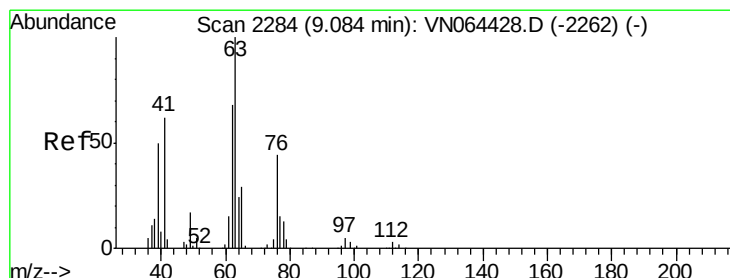
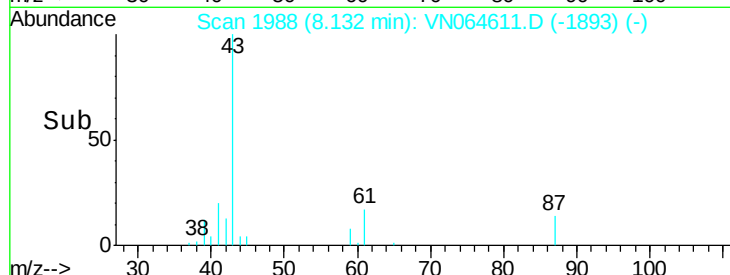
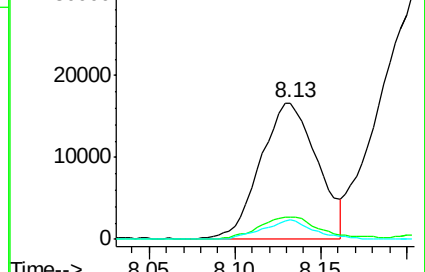
87 12.5 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064611.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN064611.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN064611.D (-1988) (-)



#45

1,2-Dichloropropane

Concen: 0.522 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064611.D

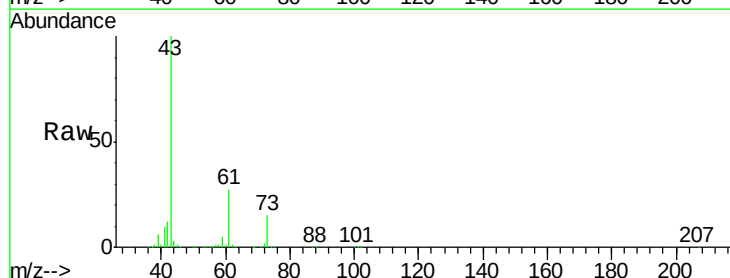
Acq: 13 Nov 2020 4:33

Tgt Ion: 63 Resp: 2192

Ion Ratio Lower Upper

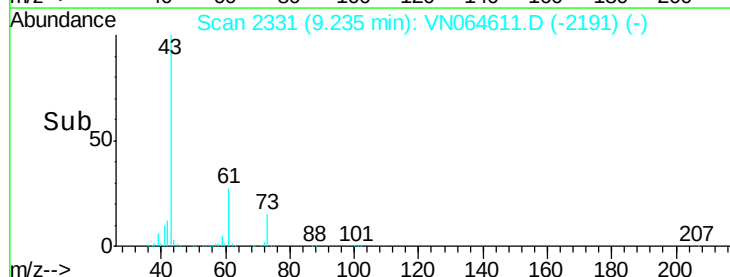
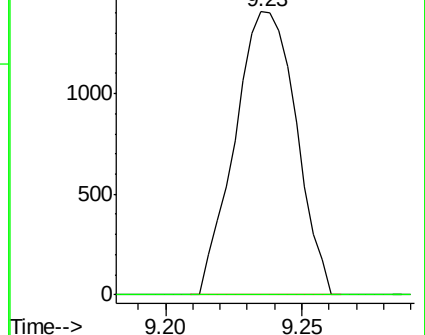
63 100

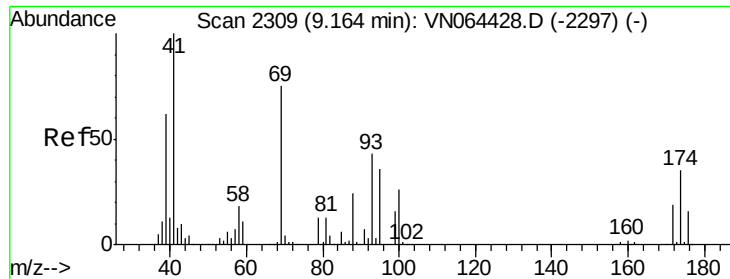
65 0.0 23.6 35.4#



Abundance Ion 62.90 (62.60 to 63.60): VN064611.D (-2331) (-)

Ion 64.90 (64.60 to 65.60): VN064611.D (-2331) (-)

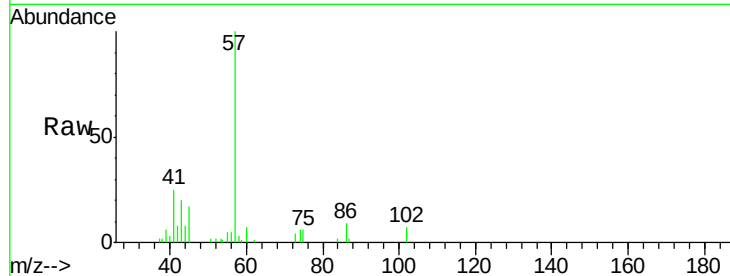




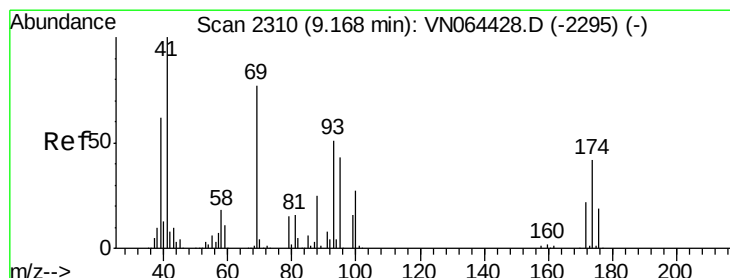
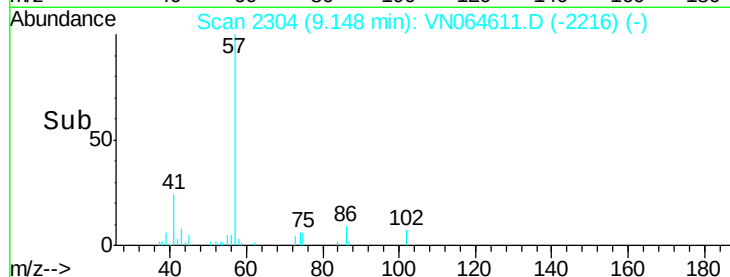
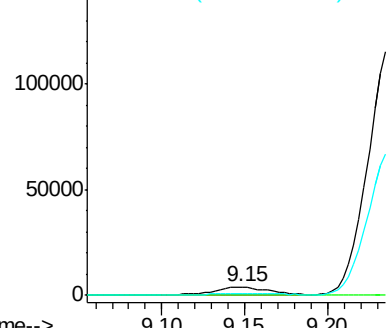
#48
Methvl methacrylate
Concen: 1.932 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

Instrument :
MSVOA_N
ClientSampleId :
PB132945ZHE#09

Tot Ion: 41 Resp: 8466
Ion Ratio Lower Upper
41 100
69 0.0 60.4 90.6#
39 0.0 51.2 76.8#

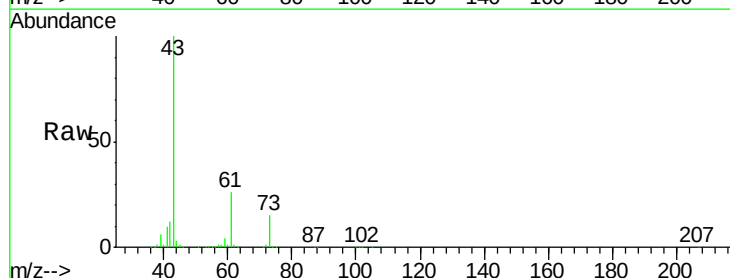


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

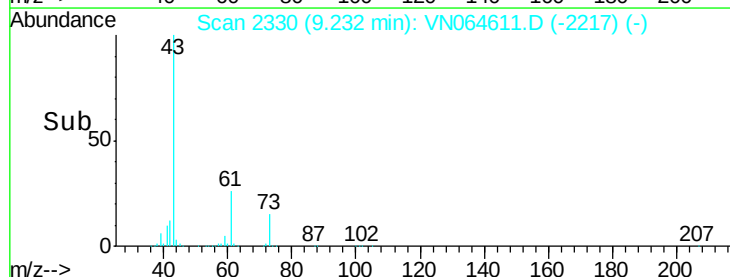
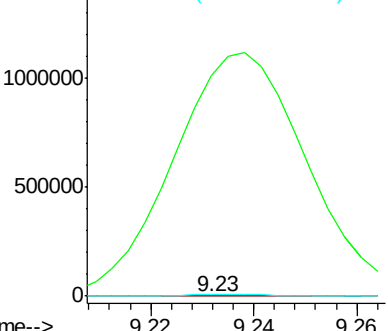


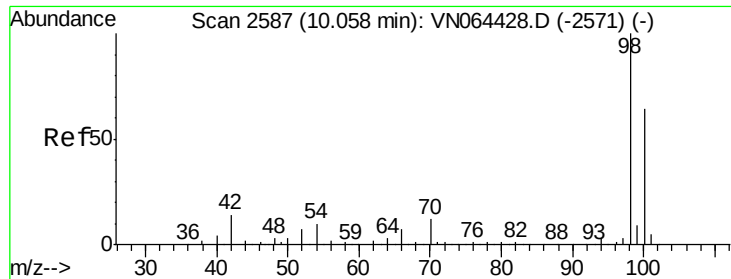
#49
1,4-Dioxane
Concen: 3.690 ug/l
RT: 9.23 min Scan# 2330
Delta R.T. 0.06 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

Tgt Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
43 958430.0 31.0 46.6#
58 5372.3 58.4 87.6#



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





#50

Toluene-d8

Concen: 49.058 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

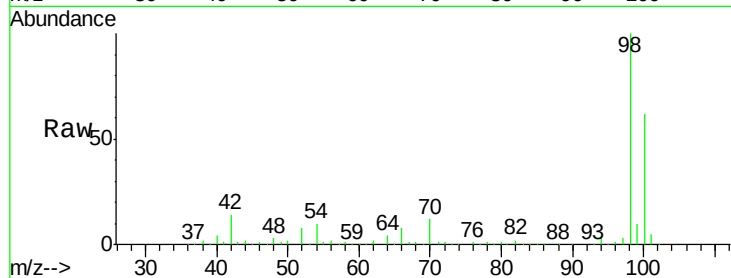
PB132945ZHE#09

Tot Ion: 98 Resp: 654867

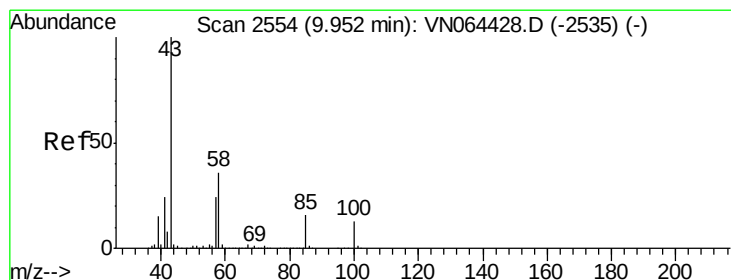
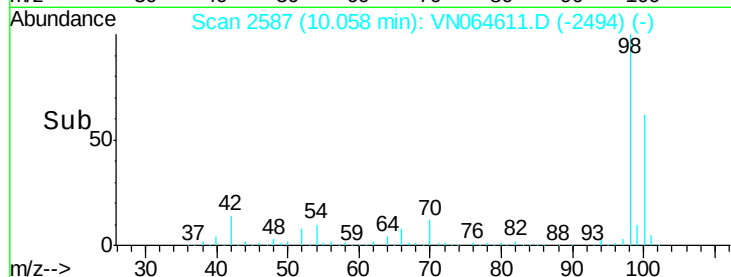
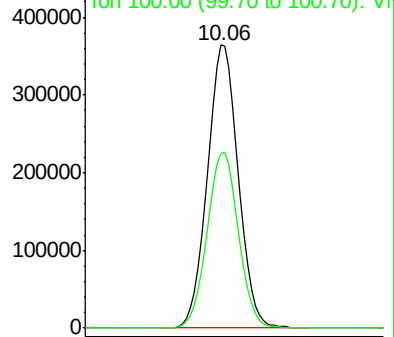
Ion Ratio Lower Upper

98 100

100 62.9 50.7 76.1



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



#51

4-Methyl-2-Pentanone

Concen: 1.501 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064611.D

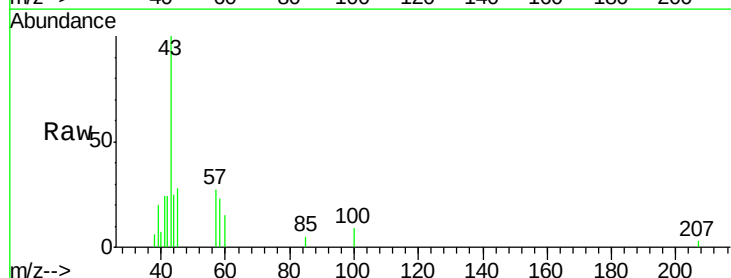
Acq: 13 Nov 2020 4:33

Tgt Ion: 43 Resp: 7600

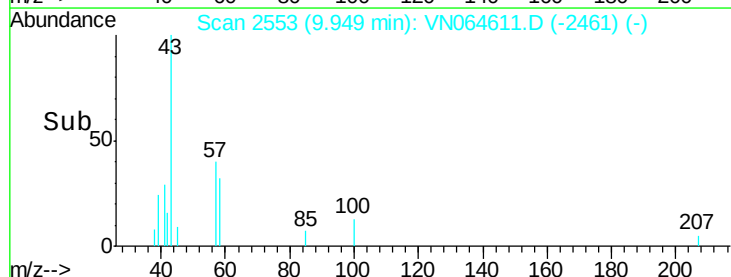
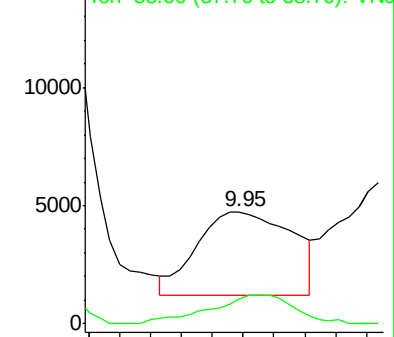
Ion Ratio Lower Upper

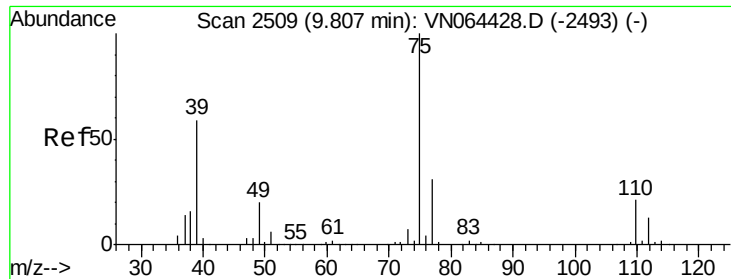
43 100

58 30.3 28.4 42.6



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



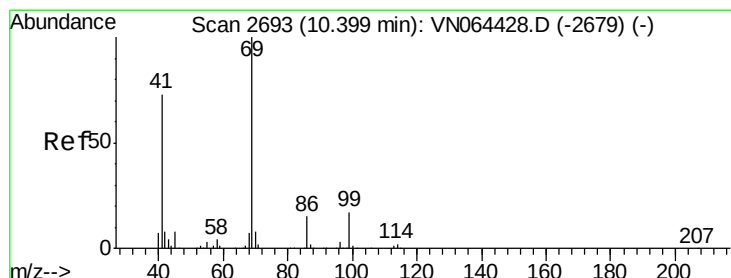
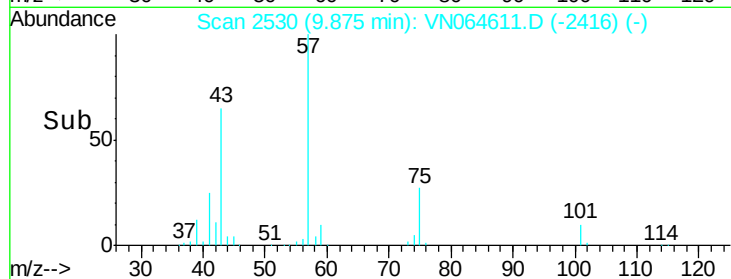
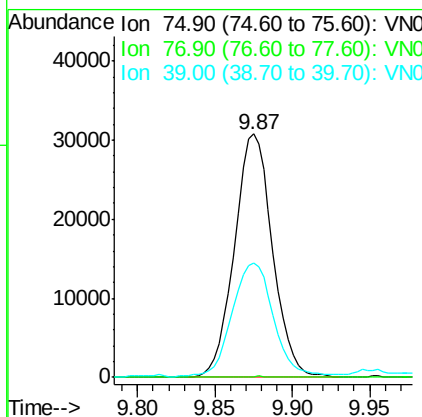
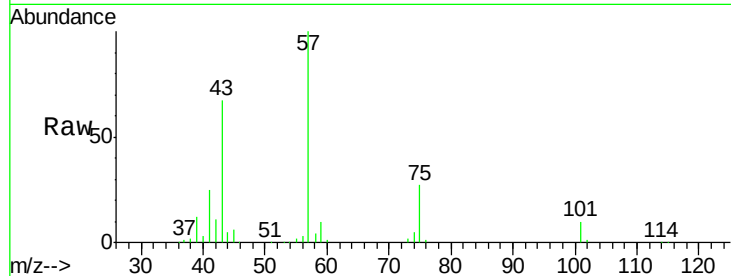


#54

cis-1,3-Dichloropropene
 Concen: 7.802 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064611.D
 Acq: 13 Nov 2020 4:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#09

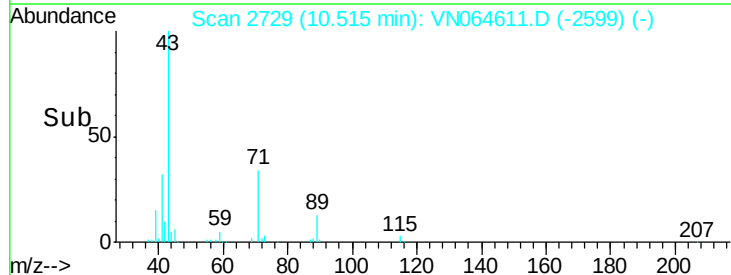
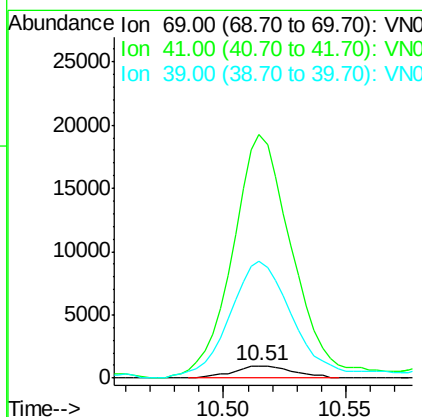
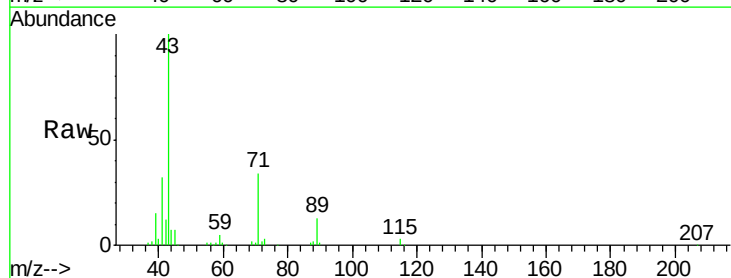
Tot Ion: 75 Resp: 52593
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.9 37.3#
 39 45.8 47.1 70.7#

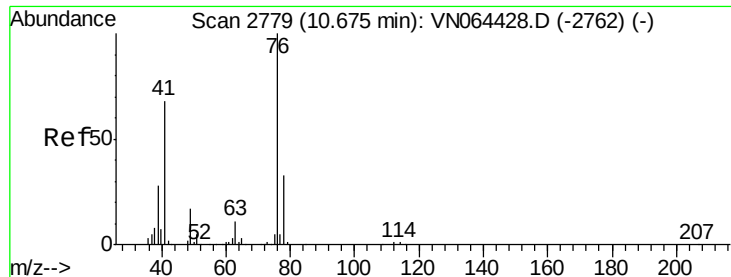


#56

Ethyl methacrylate
 Concen: 2.101 ug/l
 RT: 10.51 min Scan# 2729
 Delta R.T. 0.12 min
 Lab File: VN064611.D
 Acq: 13 Nov 2020 4:33

Tgt Ion: 69 Resp: 1665
 Ion Ratio Lower Upper
 69 100
 41 1982.0 59.3 88.9#
 39 989.4 35.4 53.0#





#57

1,3-Dichloropropane

Concen: 4.848 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

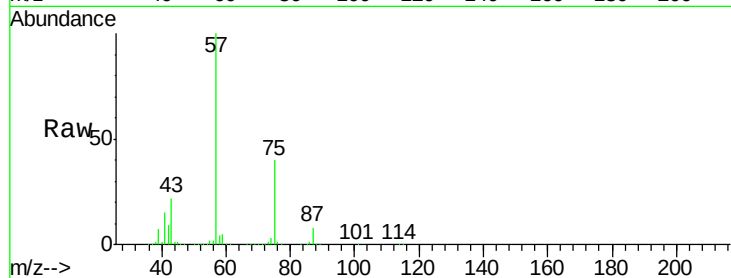
PB132945ZHE#09

Tot Ion: 76 Resp: 31699

Ion Ratio Lower Upper

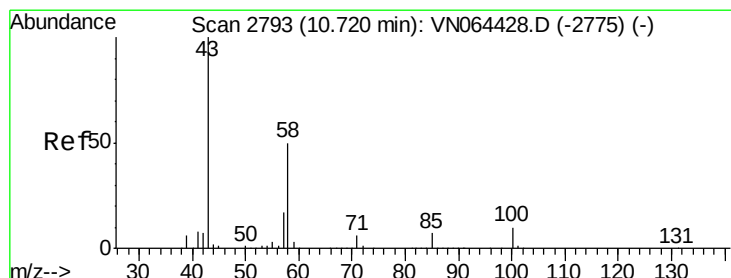
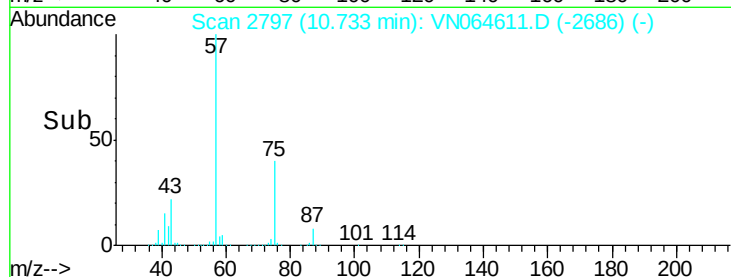
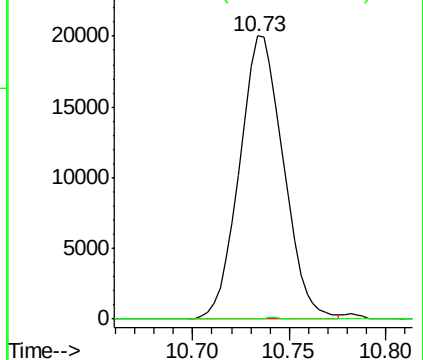
76 100

78 0.2 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: 130.478 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN064611.D

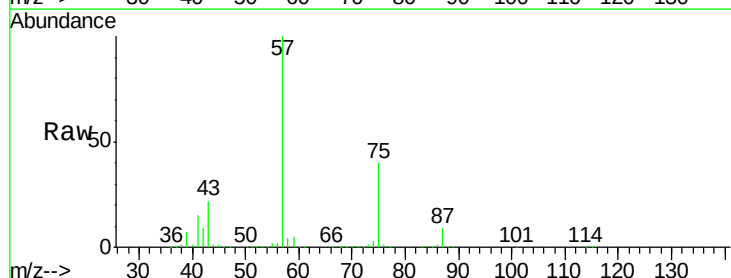
Acq: 13 Nov 2020 4:33

Tgt Ion: 43 Resp: 530769

Ion Ratio Lower Upper

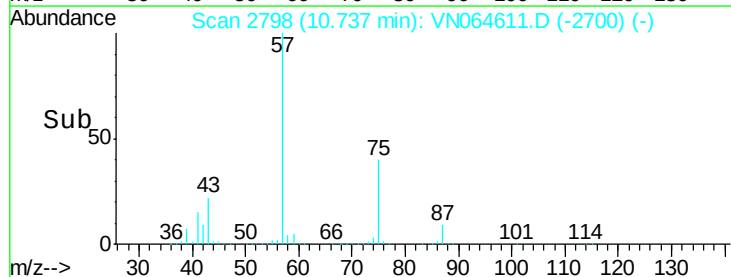
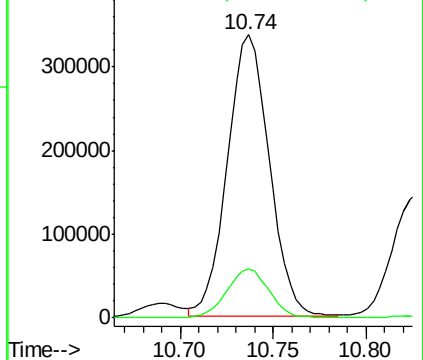
43 100

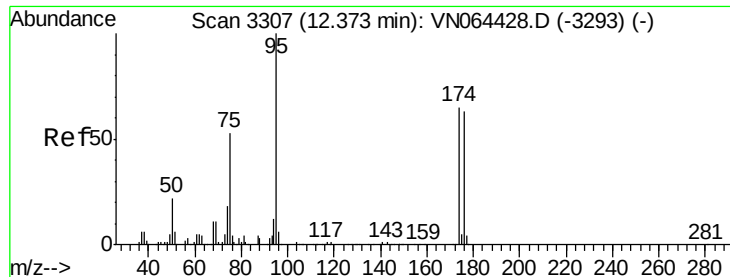
58 17.5 24.7 74.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

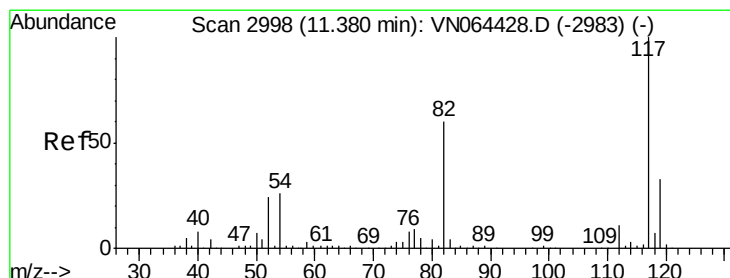
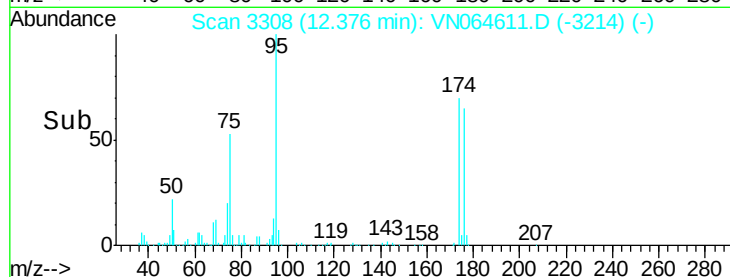
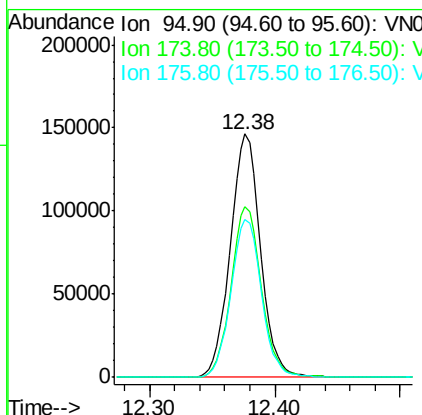
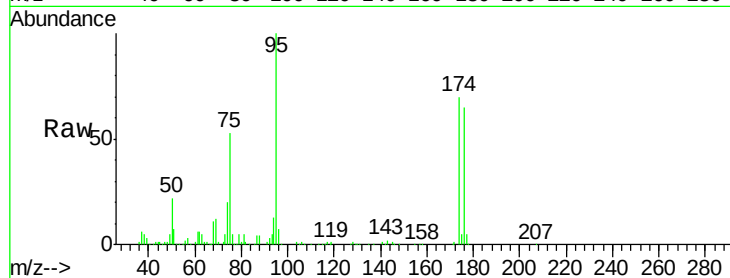




#62
4-Bromofluorobenzene
Concen: 48.487 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

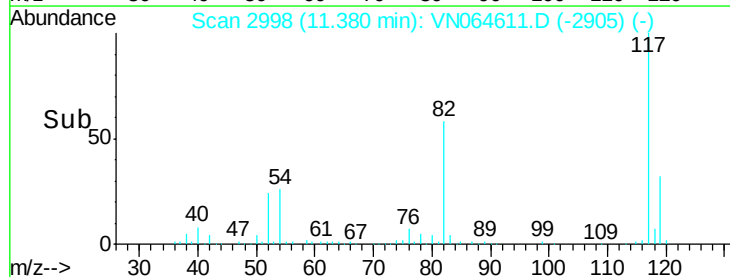
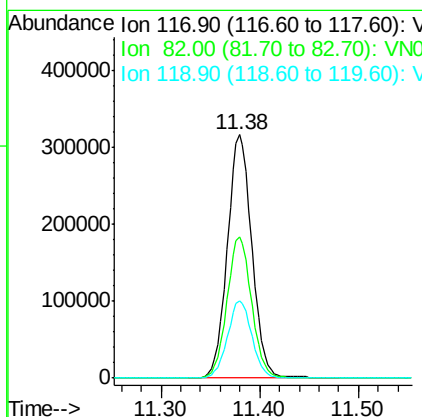
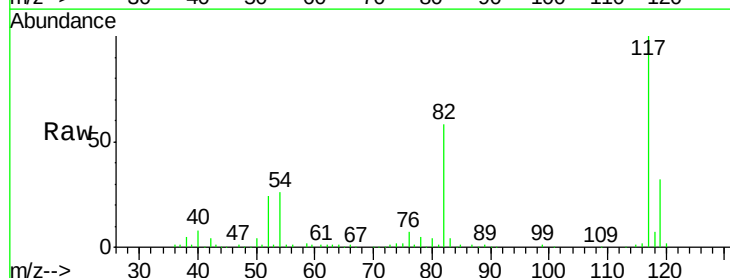
Instrument :
MSVOA_N
ClientSampleId :
PB132945ZHE#09

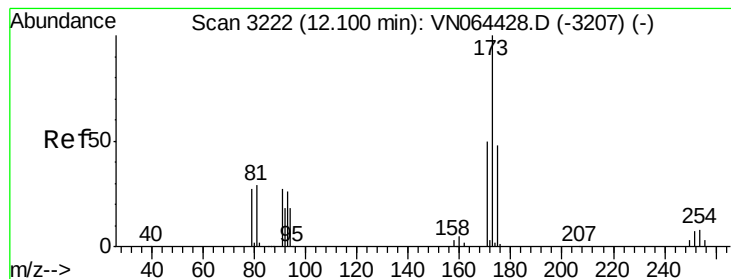
Tot Ion: 95 Resp: 244778
Ion Ratio Lower Upper
95 100
174 70.4 0.0 132.6
176 65.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064611.D
Acq: 13 Nov 2020 4:33

Tgt Ion: 117 Resp: 549699
Ion Ratio Lower Upper
117 100
82 58.2 48.1 72.1
119 31.9 26.2 39.4





#71

Bromoform

Concen: 1.415 ug/l

RT: 12.37 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

MSVOA_N

ClientSampleId :

PB132945ZHE#09

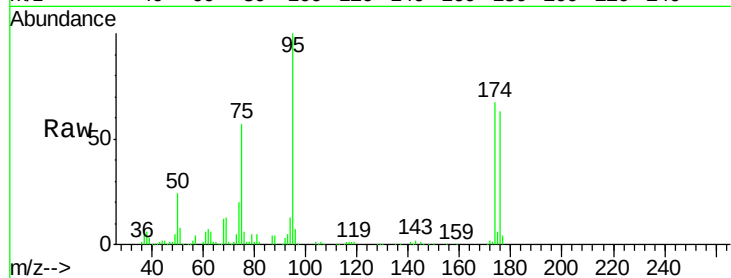
Tot Ion:173 Resp: 483

Ion Ratio Lower Upper

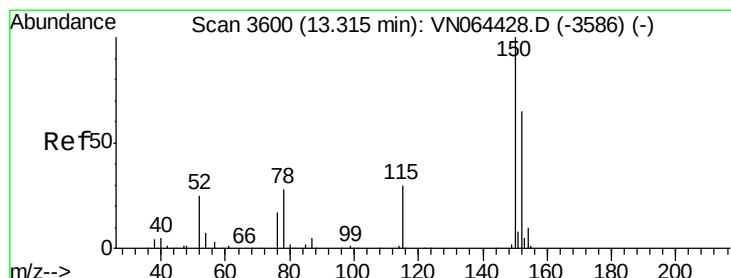
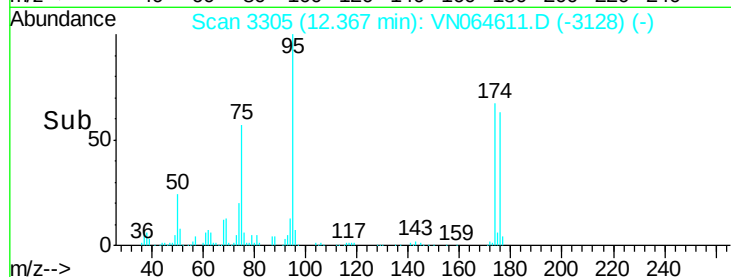
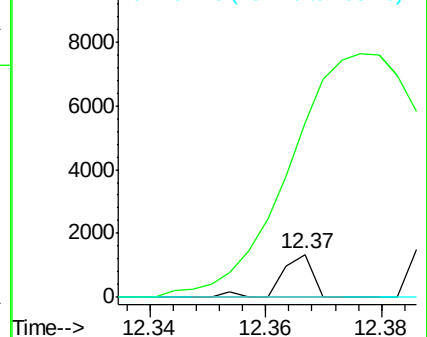
173 100

175 2278.9 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: VN064611.D

Acq: 13 Nov 2020 4:33

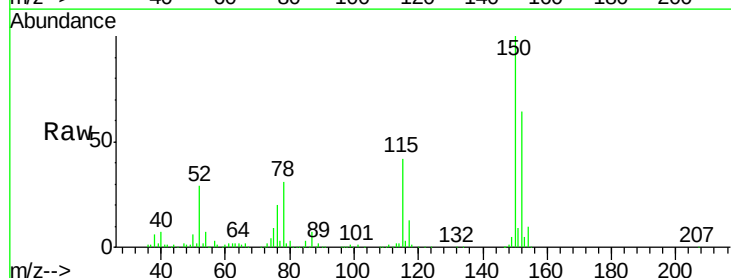
Tgt Ion:152 Resp: 194245

Ion Ratio Lower Upper

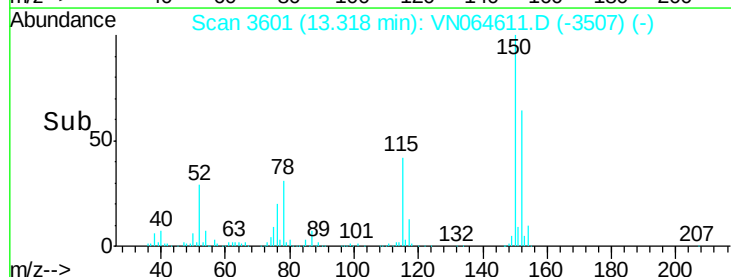
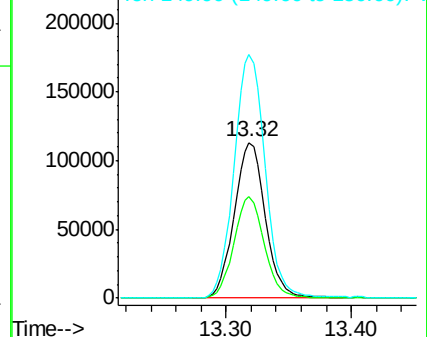
152 100

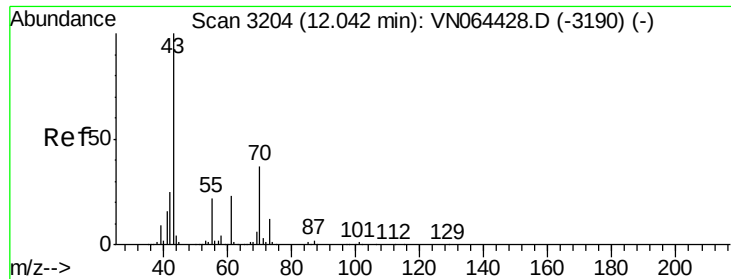
115 64.1 32.0 96.0

150 156.4 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-amvl acetate

Concen: 1.319 ug/l

RT: 12.11 min Scan# 3225

Delta R.T. 0.07 min

Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Instrument :

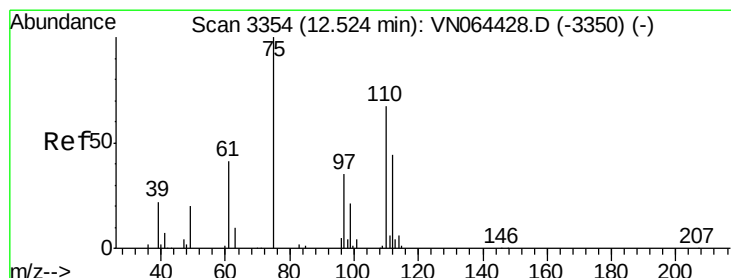
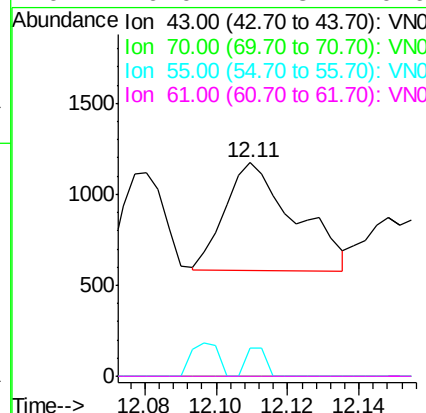
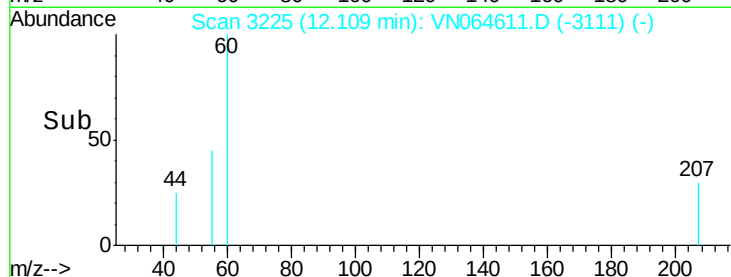
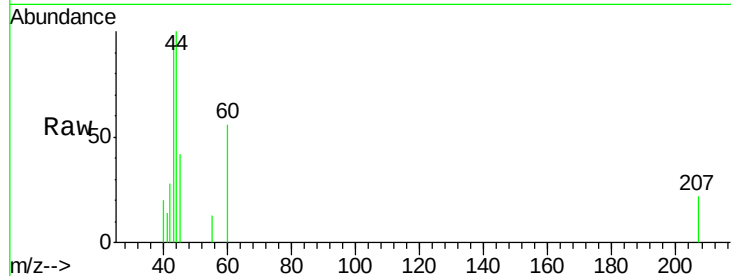
MSVOA_N

ClientSampleId :

PB132945ZHE#09

Tot Ion: 43 Resp: 801

Ion	Ratio	Lower	Upper
43	100		
70	0.0	29.6	44.4#
55	7.5	18.4	27.6#
61	0.0	17.8	26.6#



#76

1,2,3-Trichloropropane

Concen: 28.036 ug/l

RT: 12.38 min Scan# 3308

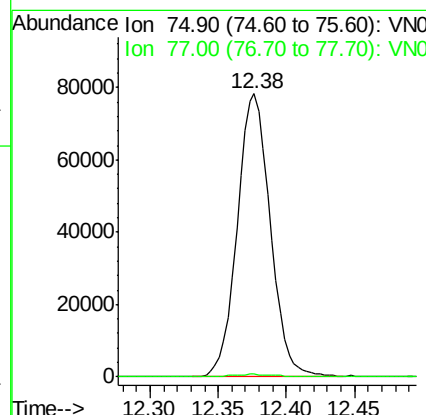
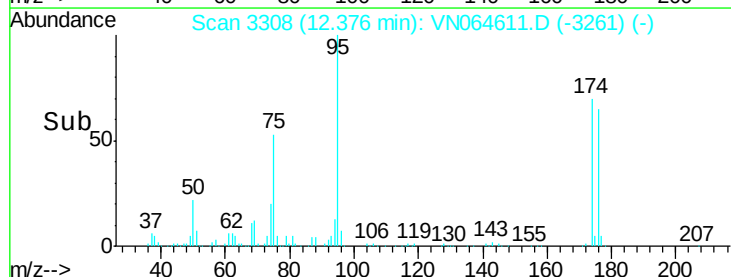
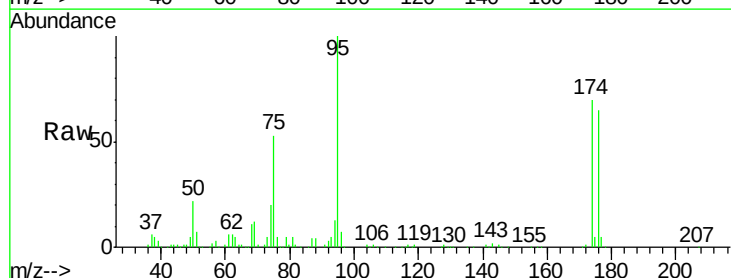
Delta R.T. -0.15 min

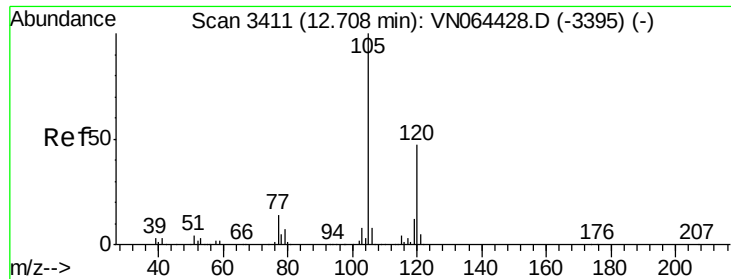
Lab File: VN064611.D

Acq: 13 Nov 2020 4:33

Tgt Ion: 75 Resp: 131950

Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

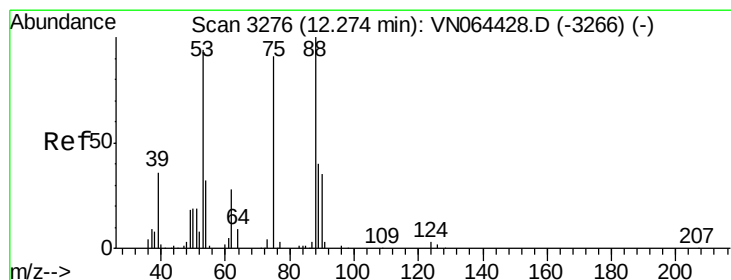
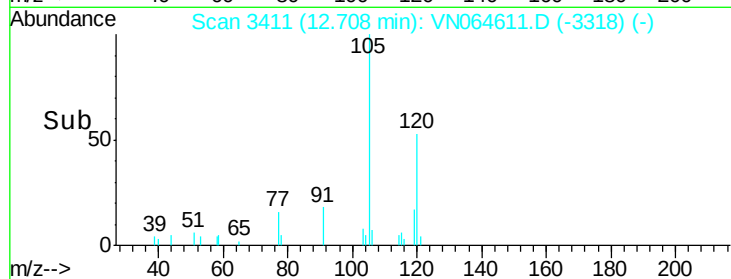
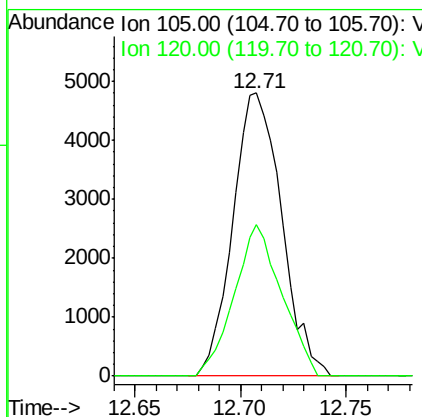
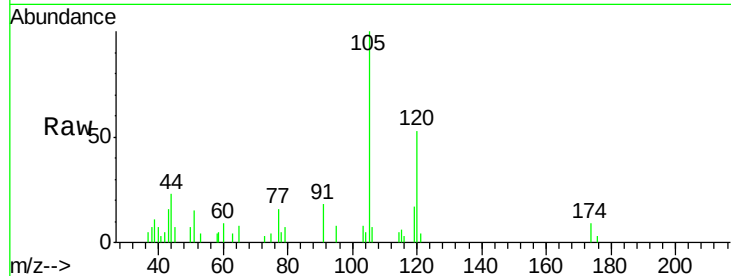




#80
 1,3,5-Trimethylbenzene
 Concen: 0.605 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064611.D
 Acq: 13 Nov 2020 4:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132945ZHE#09

Tot Ion:105 Resp: 7707
 Ion Ratio Lower Upper
 105 100
 120 52.2 23.4 70.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.281 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064611.D
 Acq: 13 Nov 2020 4:33

Tgt Ion: 75 Resp: 131950
 Ion Ratio Lower Upper
 75 100
 53 0.3 84.0 126.0#
 89 0.0 36.3 54.5#

