

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111320\
 Data File : VN064639.D
 Acq On : 13 Nov 2020 18:46
 Operator : JC/MD
 Sample : L4715-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Nov 17 01:59:07 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	222411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	486793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178345	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	230157	59.41	ug/l	0.00
Spiked Amount			Recovery	=	118.82%	
35) Dibromofluoromethane	7.55	113	169888	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
50) Toluene-d8	10.06	98	594264	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.38	95	222721	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

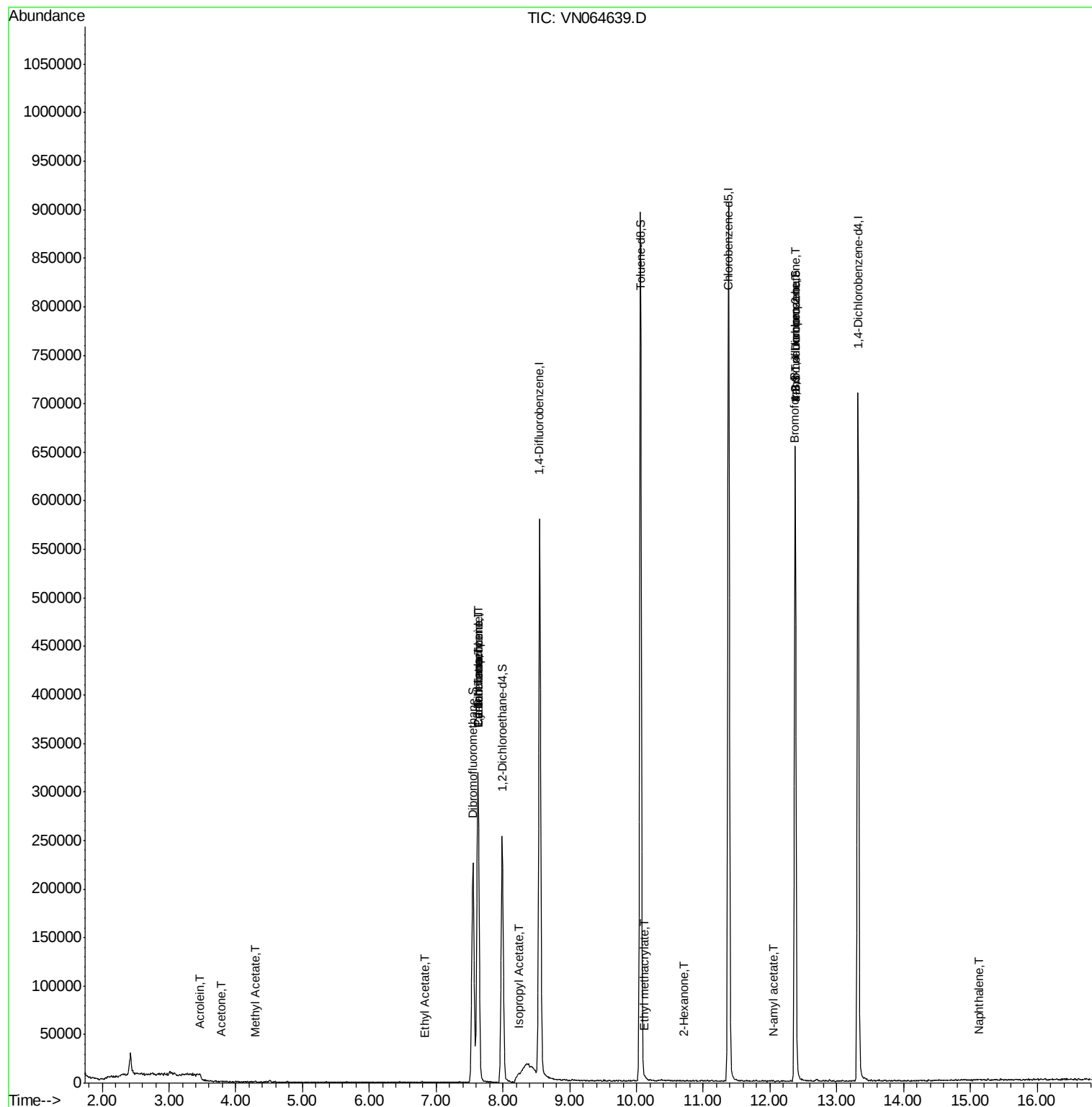
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.45	56	72	0.272	ug/l #	1
16) Acetone	3.78	43	754	0.511	ug/l #	48
18) Methyl Acetate	4.28	43	877	0.302	ug/l #	55
31) Cyclohexane	7.63	56	6690	1.421	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	21772	4.363	ug/l #	52
37) Ethyl Acetate	6.84	43	30	0.768	ug/l #	71
38) Carbon Tetrachloride	7.63	117	26041	4.883	ug/l #	18
43) Isopropyl Acetate	8.24	43	12105	1.497	ug/l #	64
56) Ethyl methacrylate	10.13	69	34	1.847	ug/l #	1
59) 2-Hexanone	10.70	43	421	4.136	ug/l #	28
71) Bromoform	12.36	173	178	1.333	ug/l #	29
74) N-amyl acetate	12.04	43	214	1.245	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	124385	28.785	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	124385	80.371	ug/l #	8
95) Naphthalene	15.13	128	31	3.626	ug/l #	69

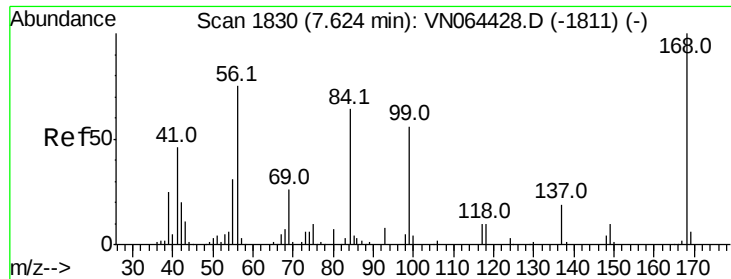
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 12:09:03 2020
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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: VN064639.D

Acq: 13 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

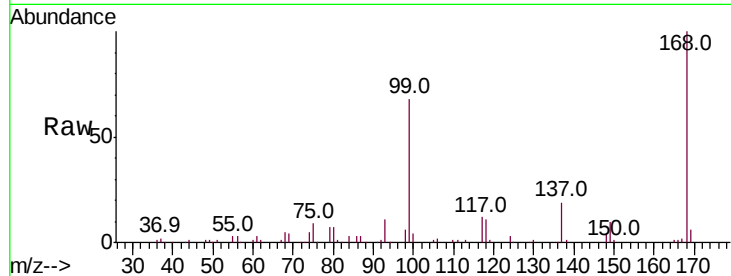
TRIP-BLANK

Tot Ion:168 Resp: 222411

Ion Ratio Lower Upper

168 100

99 68.3 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

60000

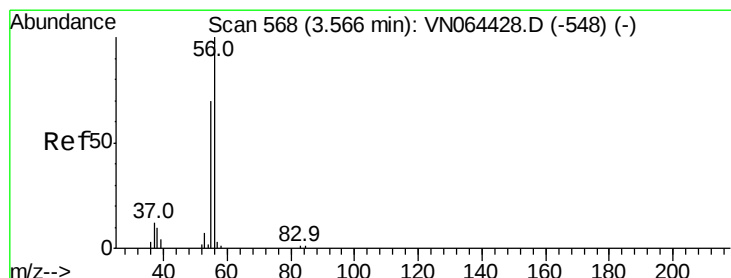
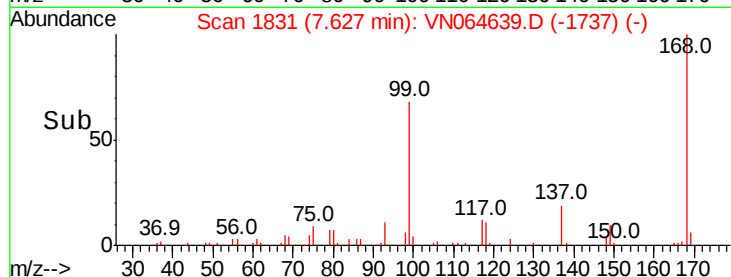
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#13

Acrolein

Concen: 0.272 ug/l

RT: 3.45 min Scan# 532

Delta R.T. -0.12 min

Lab File: VN064639.D

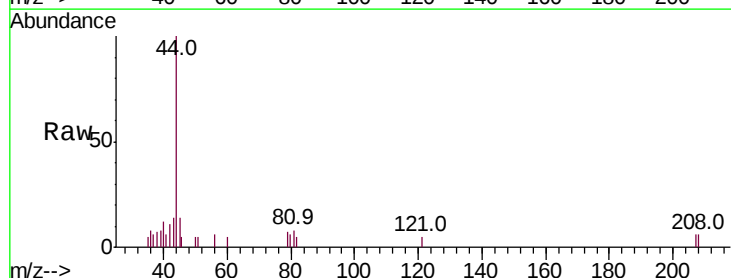
Acq: 13 Nov 2020 18:46

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 455.6 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

300

250

200

150

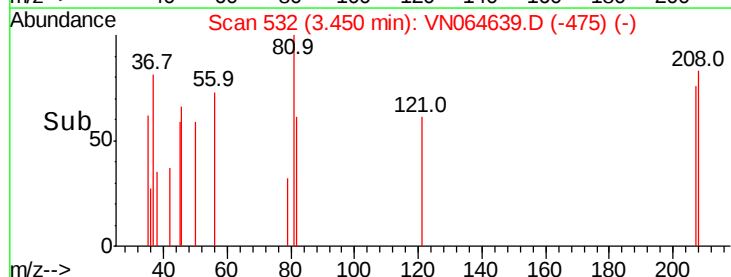
100

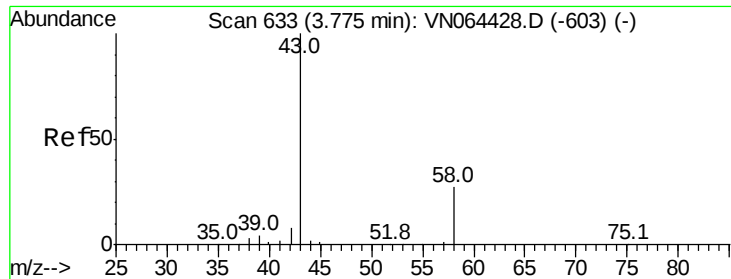
50

0

Time-->

3.44 3.45 3.46 3.46





#16

Acetone

Concen: 0.511 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN064639.D

Acq: 13 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampled :

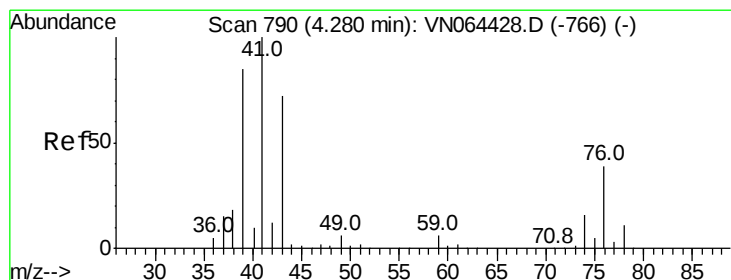
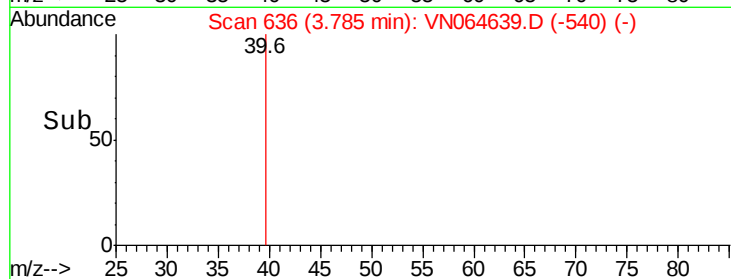
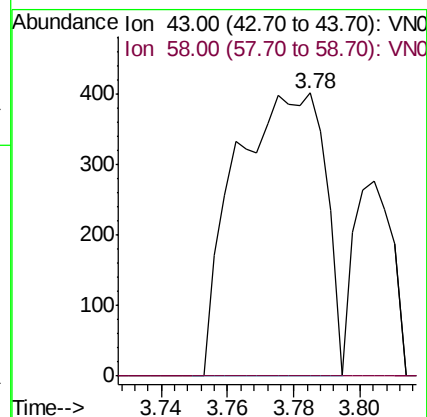
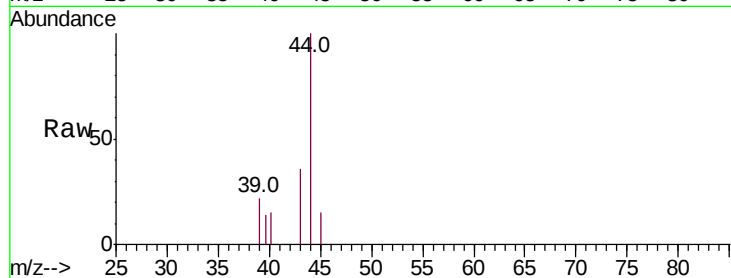
TRIP-BLANK

Tot Ion: 43 Resp: 754

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#



#18

Methyl Acetate

Concen: 0.302 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064639.D

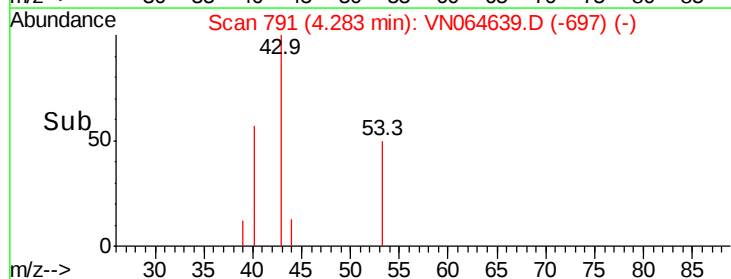
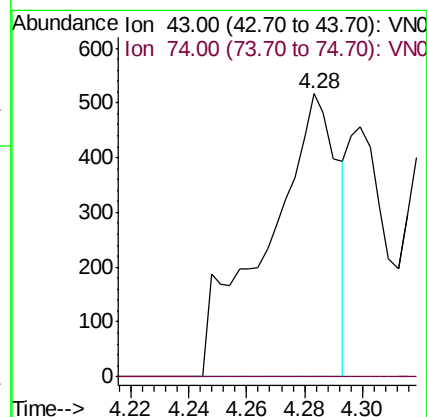
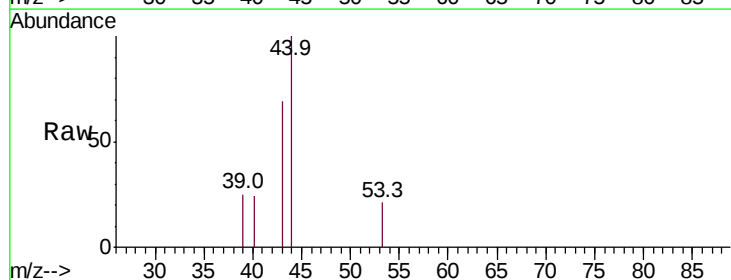
Acq: 13 Nov 2020 18:46

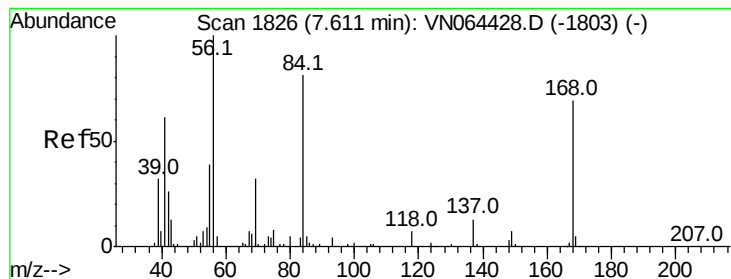
Tgt Ion: 43 Resp: 877

Ion Ratio Lower Upper

43 100

74 0.0 17.0 25.4#





#31

Cvclohexane

Concen: 1.421 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064639.D

Acq: 13 Nov 2020 18:46

Instrument :

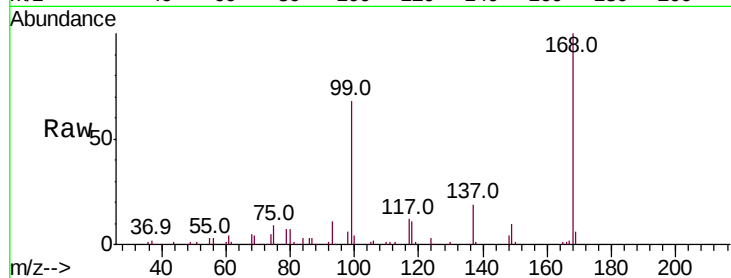
MSVOA_N

ClientSampleId :

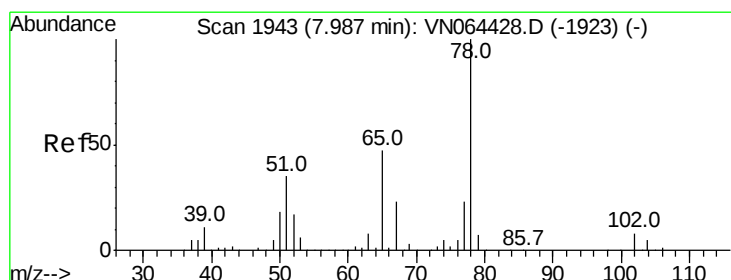
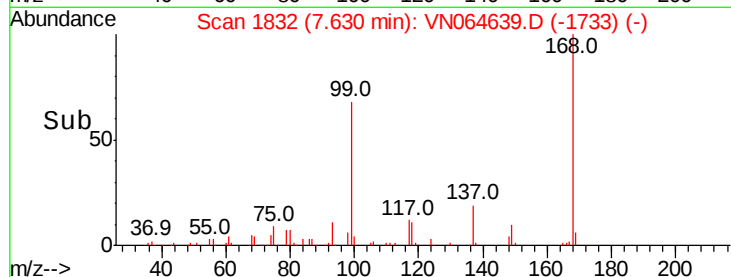
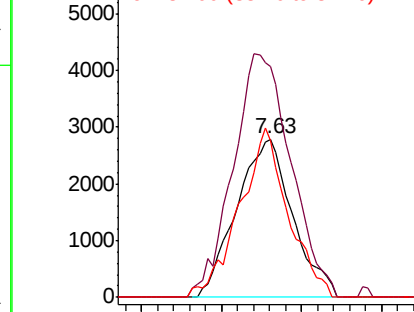
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Tot Ion: 56 Resp: 6690

Ion	Ratio	Lower	Upper
56	100		
69	136.4	25.6	38.4#
84	92.5	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: 59.410 ug/l

RT: 7.99 min Scan# 1944

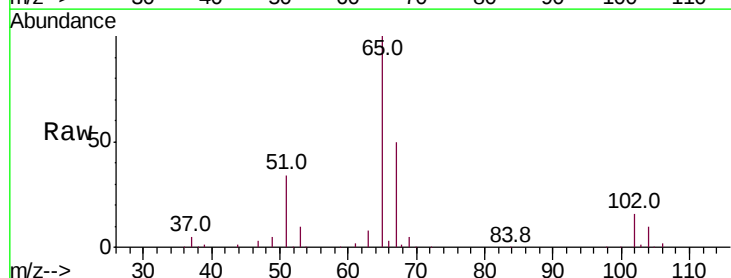
Delta R.T. 0.00 min

Lab File: VN064639.D

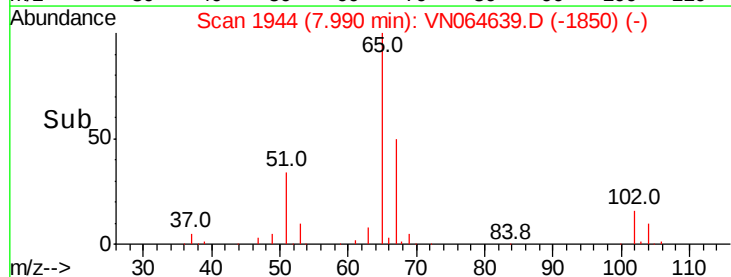
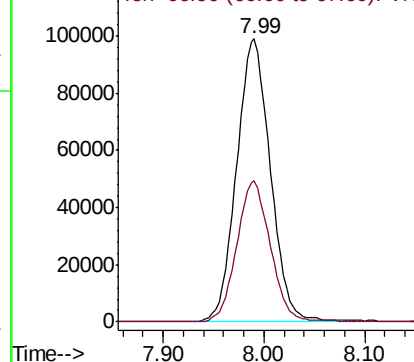
Acq: 13 Nov 2020 18:46

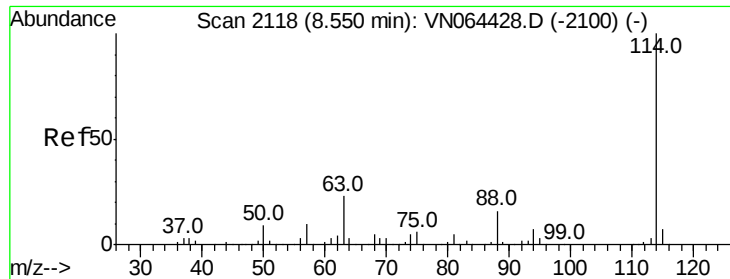
Tgt Ion: 65 Resp: 230157

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	101.6



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

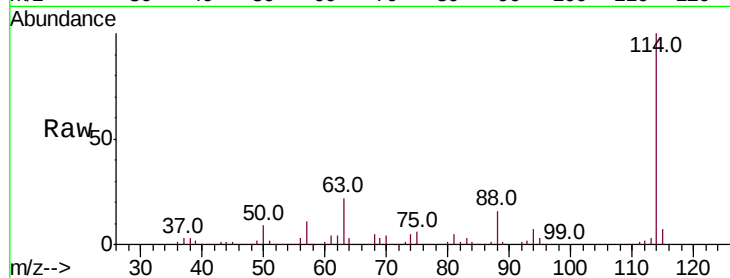




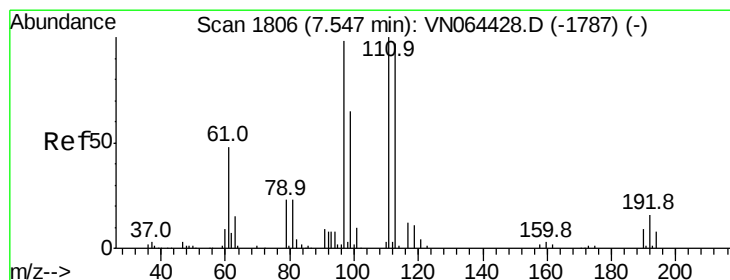
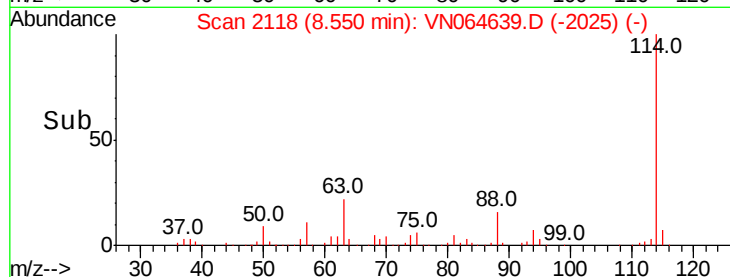
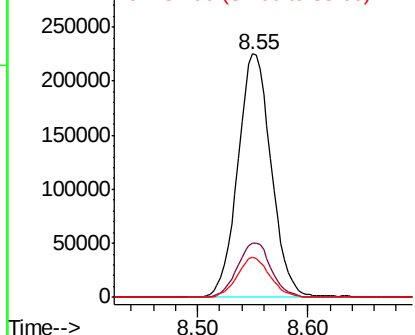
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064639.D
Acq: 13 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:114 Resp: 472315
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.6
88 16.2 0.0 32.8

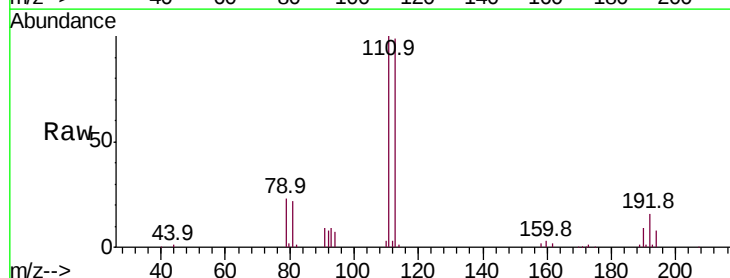


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

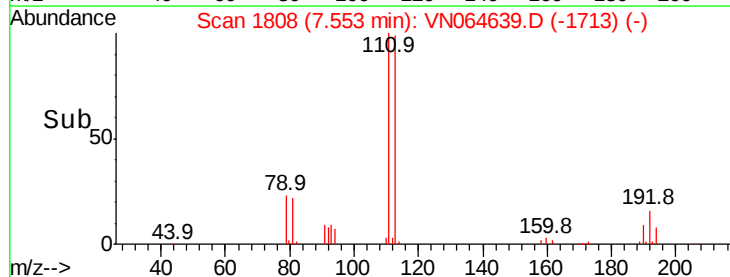
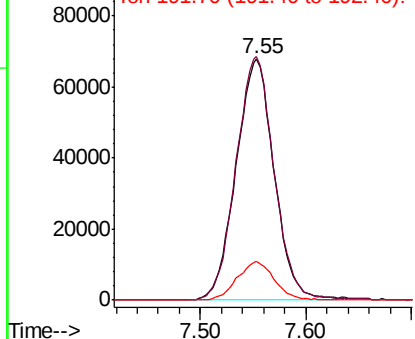


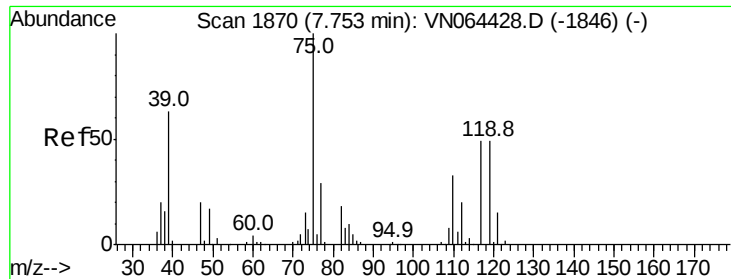
#35
Dibromofluoromethane
Concen: 52.829 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN064639.D
Acq: 13 Nov 2020 18:46

Tgt Ion:113 Resp: 169888
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 15.7 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

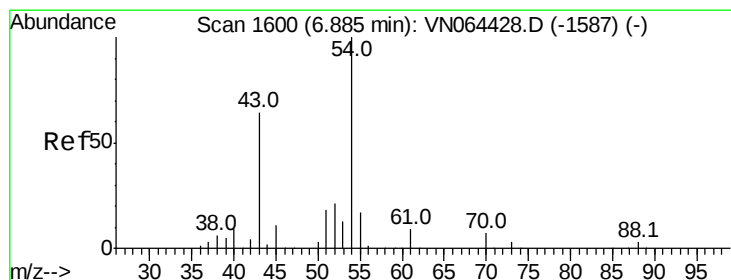
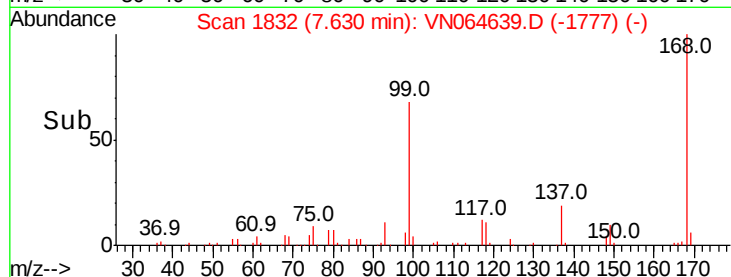
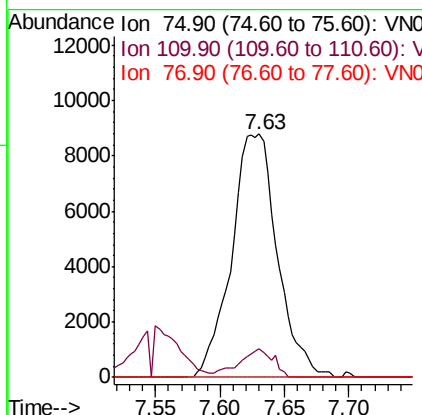
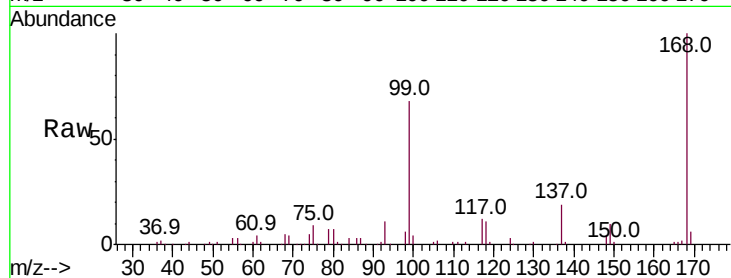




#36
 1,1-Dichloropropene
 Concen: 4.363 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064639.D
 Acq: 13 Nov 2020 18:46

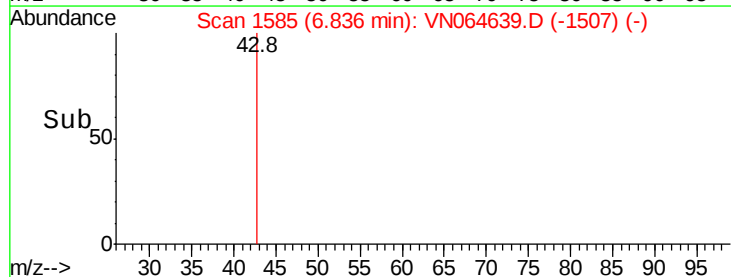
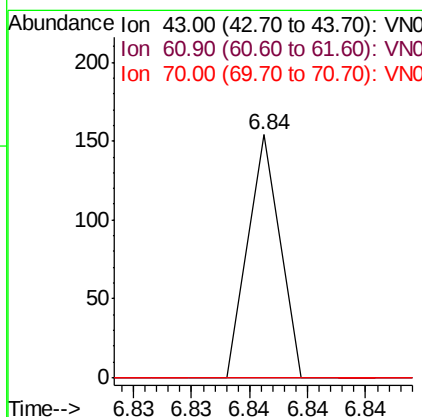
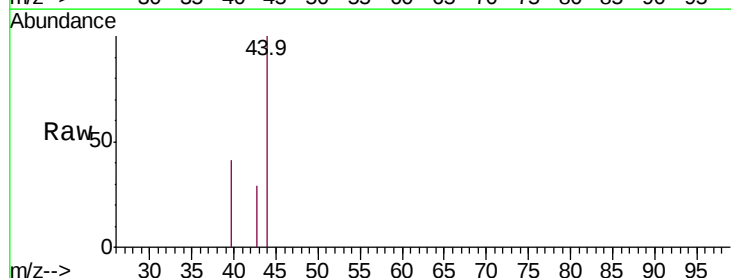
Instrument :
 MSVOA_N
 ClientSampleId :
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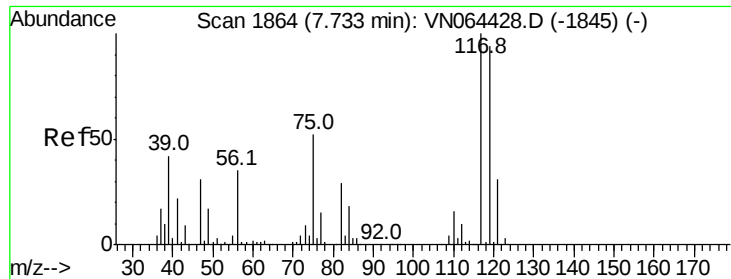
Tot Ion: 75 Resp: 21772
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.0 48.0#
 77 0.0 24.0 36.0#



#37
 Ethyl Acetate
 Concen: 0.768 ug/l
 RT: 6.84 min Scan# 1585
 Delta R.T. -0.05 min
 Lab File: VN064639.D
 Acq: 13 Nov 2020 18:46

Tgt Ion: 43 Resp: 30
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#





#38

Carbon Tetrachloride

Concen: 4.883 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064639.D

Acq: 13 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

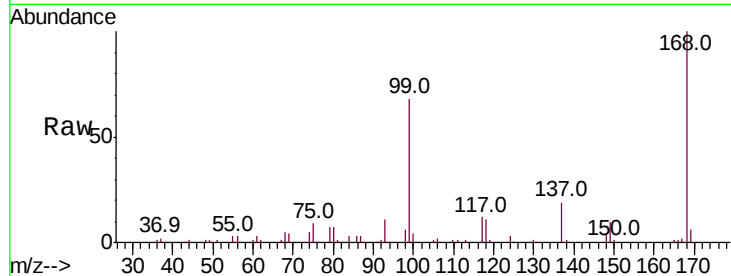
Tot Ion:117 Resp: 26041

Ion Ratio Lower Upper

117 100

119 7.2 75.5 113.3#

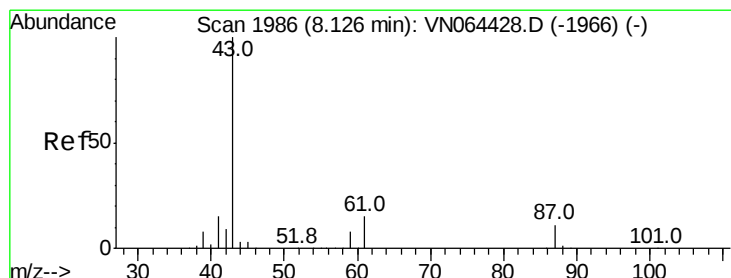
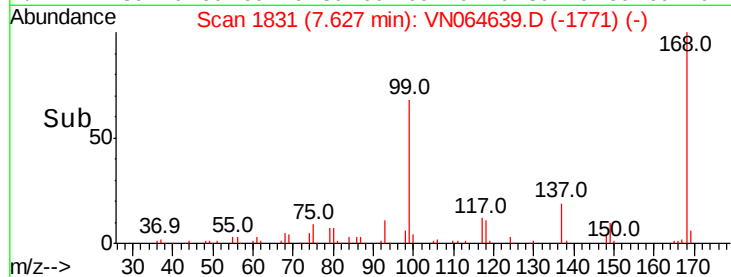
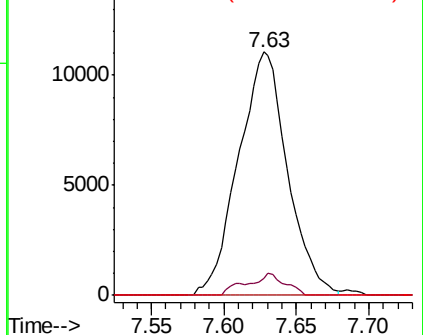
121 0.0 24.4 36.6#



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: 1.497 ug/l

RT: 8.24 min Scan# 2022

Delta R.T. 0.12 min

Lab File: VN064639.D

Acq: 13 Nov 2020 18:46

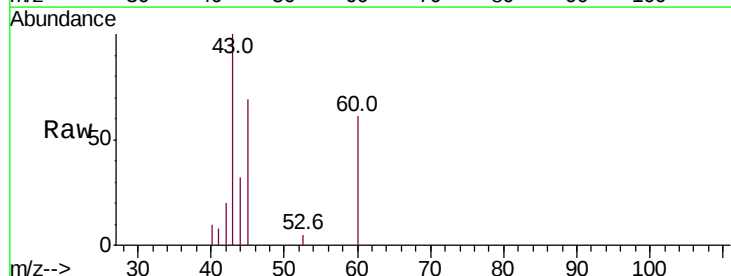
Tgt Ion: 43 Resp: 12105

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

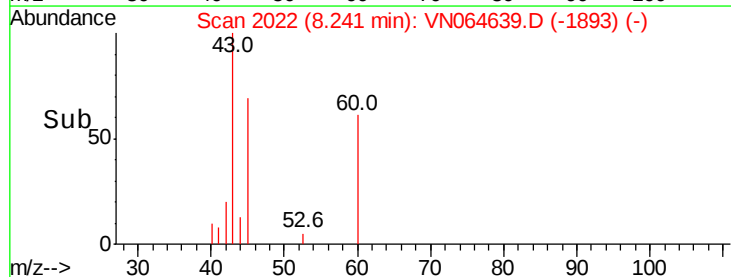
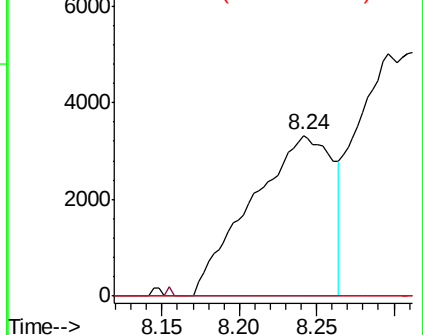
87 0.0 9.1 13.7#

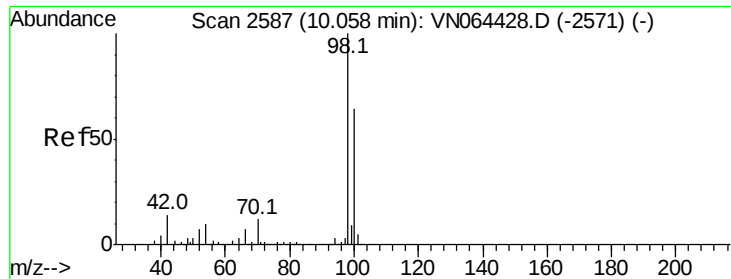


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 47.812 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064639.D

Acq: 13 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampleId :

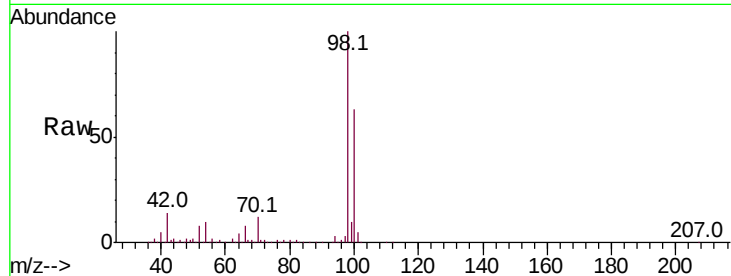
TRIP-BLANK

Tot Ion: 98 Resp: 594264

Ion Ratio Lower Upper

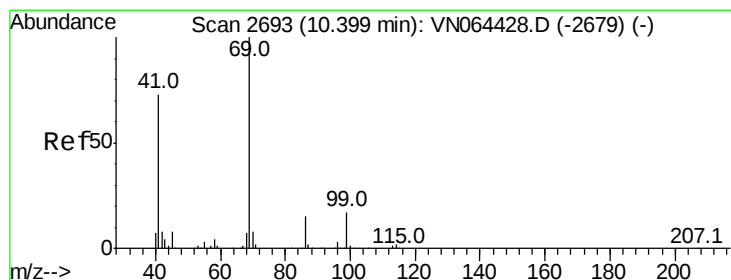
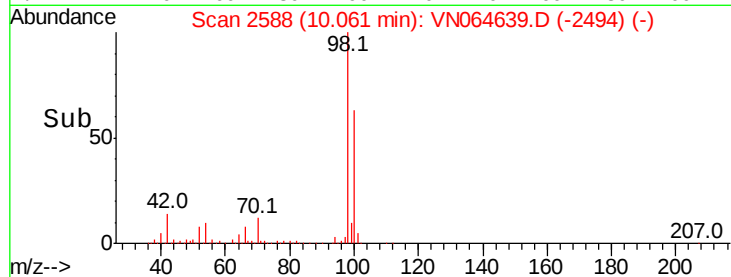
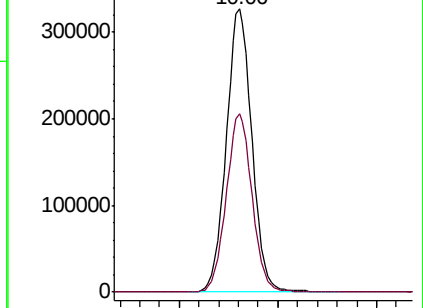
98 100

100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#56

Ethyl methacrylate

Concen: 1.847 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.27 min

Lab File: VN064639.D

Acq: 13 Nov 2020 18:46

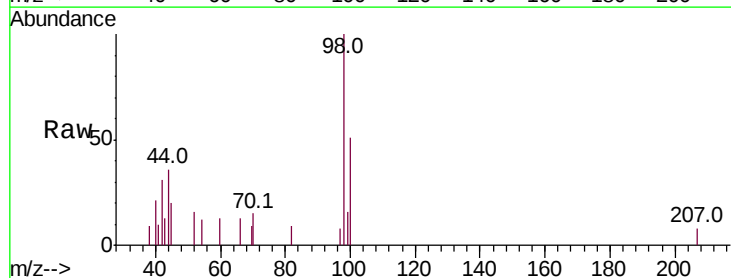
Tgt Ion: 69 Resp: 34

Ion Ratio Lower Upper

69 100

41 688.2 59.3 88.9#

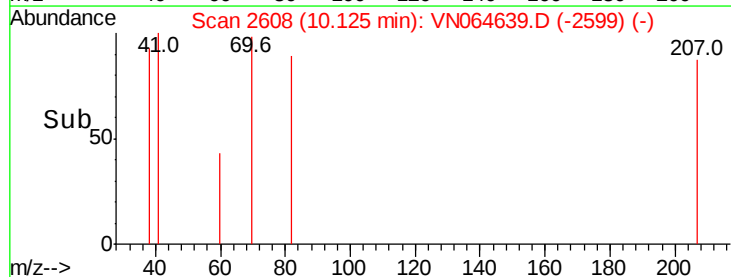
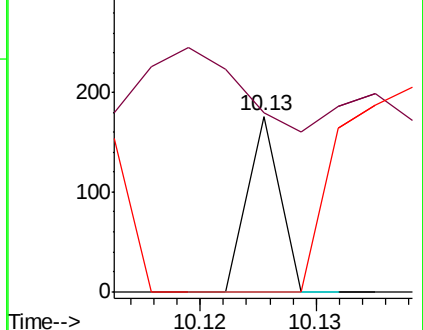
39 314.7 35.4 53.0#

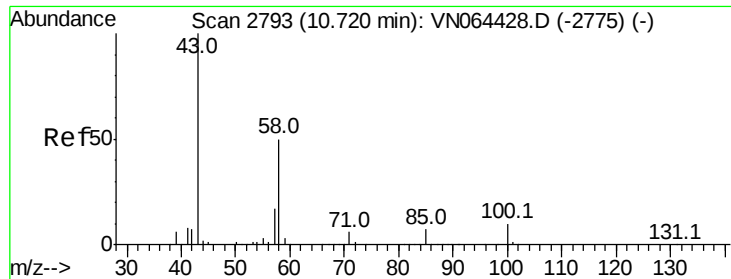


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

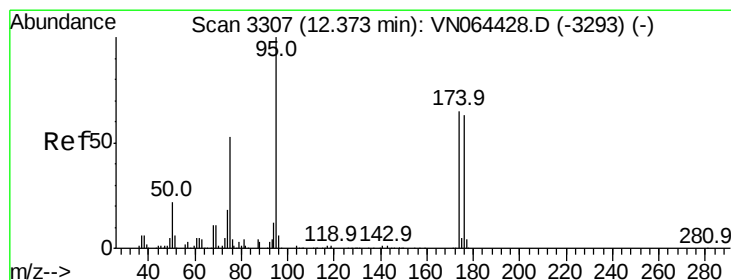
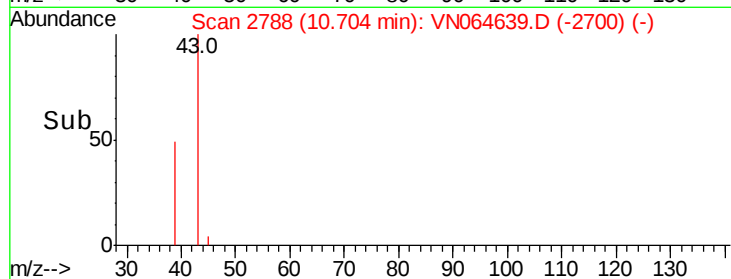
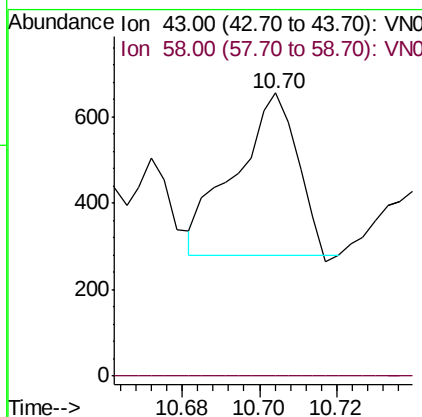
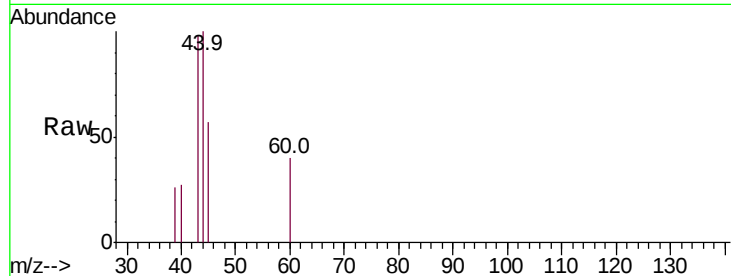




#59
2-Hexanone
Concen: 4.136 ug/l
RT: 10.70 min Scan# 2788
Delta R.T. -0.02 min
Lab File: VN064639.D
Acq: 13 Nov 2020 18:46

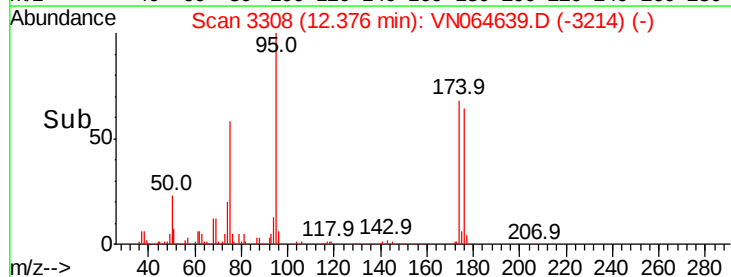
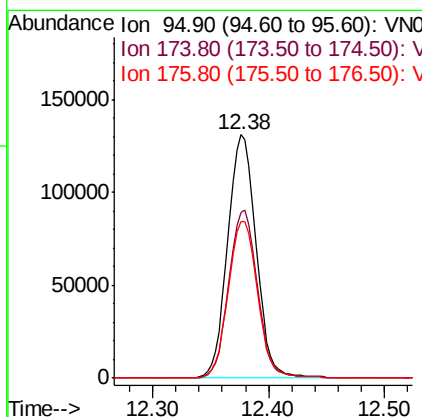
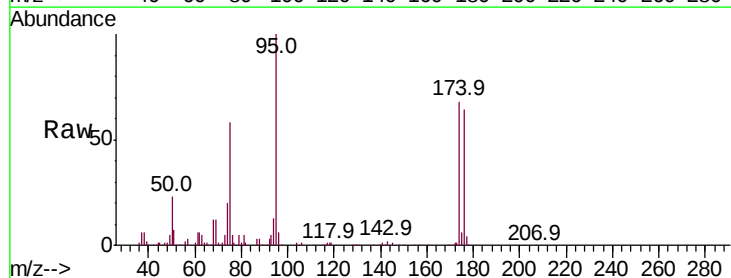
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

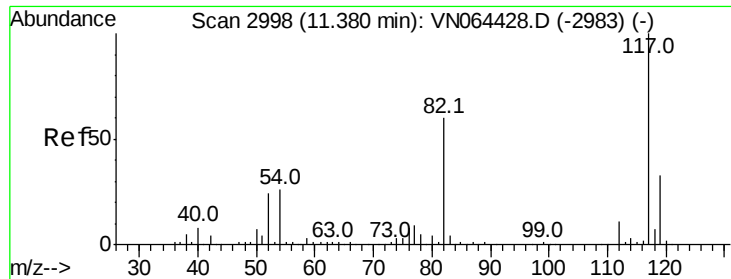
Tot Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 47.382 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064639.D
Acq: 13 Nov 2020 18:46

Tgt Ion: 95 Resp: 222721
Ion Ratio Lower Upper
95 100
174 69.2 0.0 132.6
176 66.3 0.0 129.2

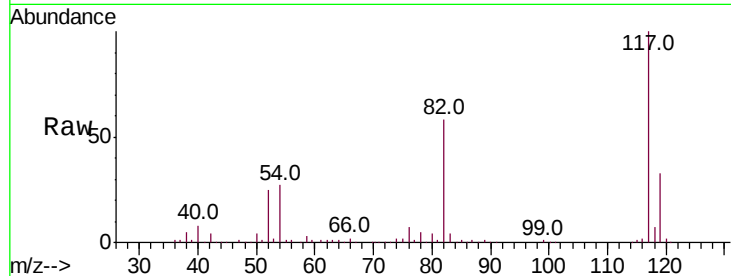




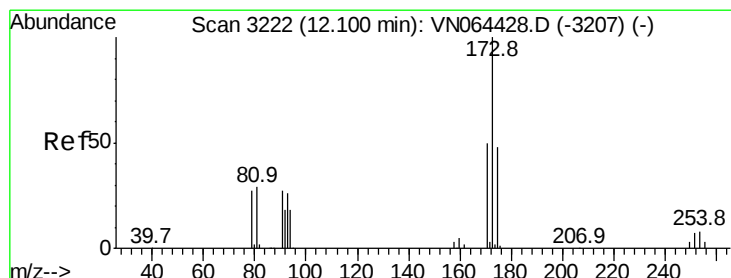
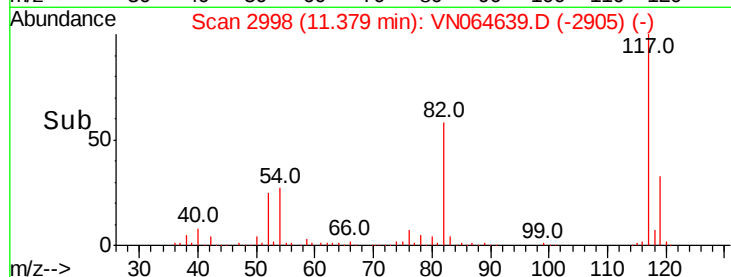
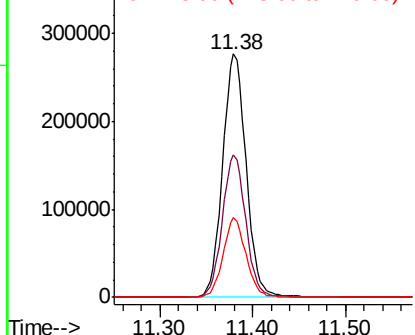
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064639.D
Acq: 13 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 486793
Ion Ratio Lower Upper
117 100
82 58.5 48.1 72.1
119 32.5 26.2 39.4

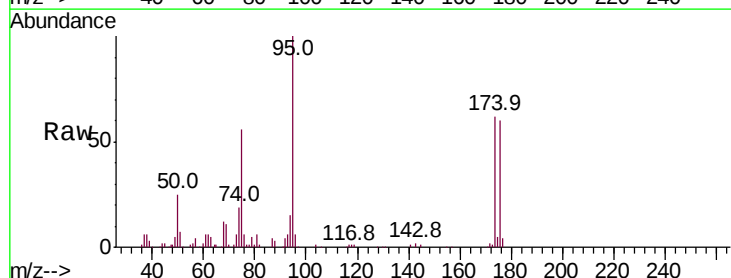


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

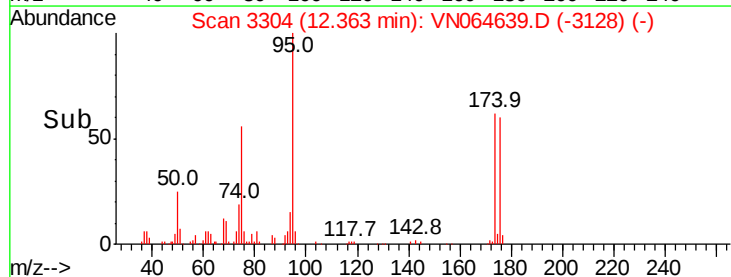
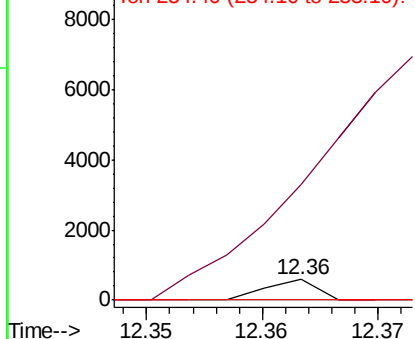


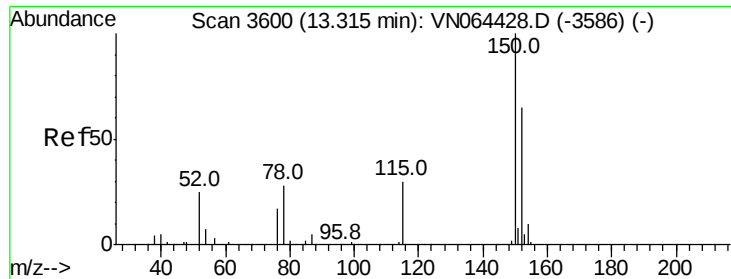
#71
Bromoform
Concen: 1.333 ug/l
RT: 12.36 min Scan# 3304
Delta R.T. 0.26 min
Lab File: VN064639.D
Acq: 13 Nov 2020 18:46

Tgt Ion:173 Resp: 178
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: VN064639.D

Acq: 13 Nov 2020 18:46

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

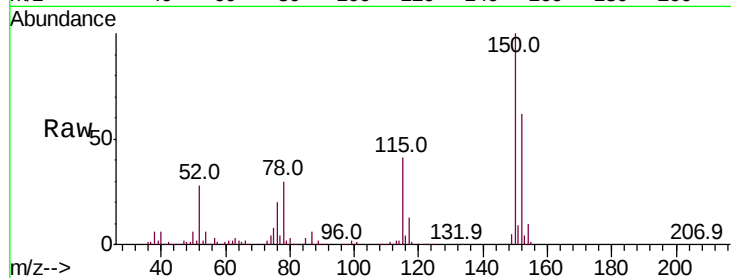
Tot Ion:152 Resp: 178345

Ion Ratio Lower Upper

152 100

115 65.4 32.0 96.0

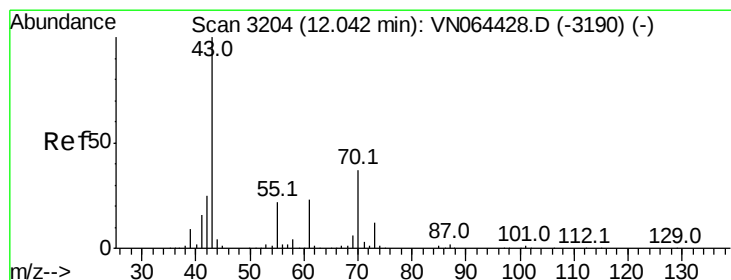
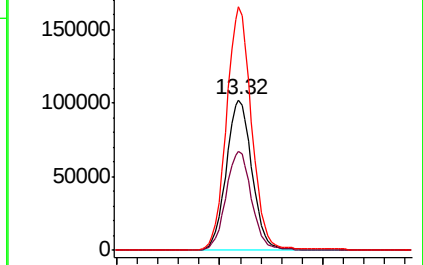
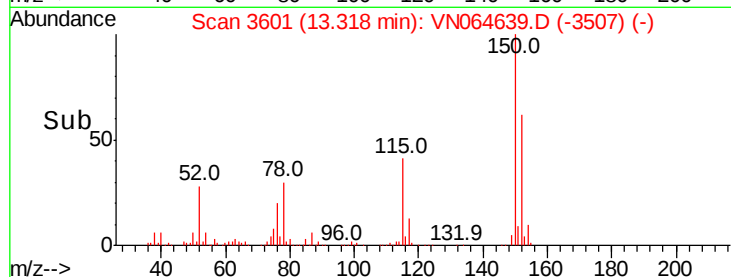
150 156.5 0.0 353.8



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: 1.245 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064639.D

Acq: 13 Nov 2020 18:46

Tgt Ion: 43 Resp: 214

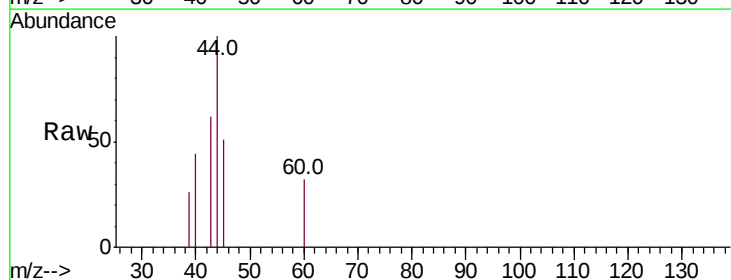
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

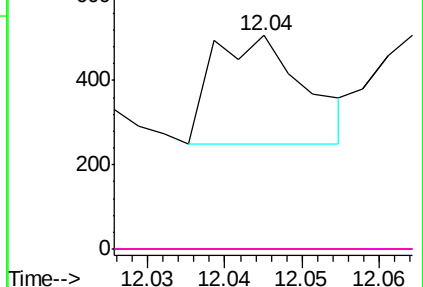
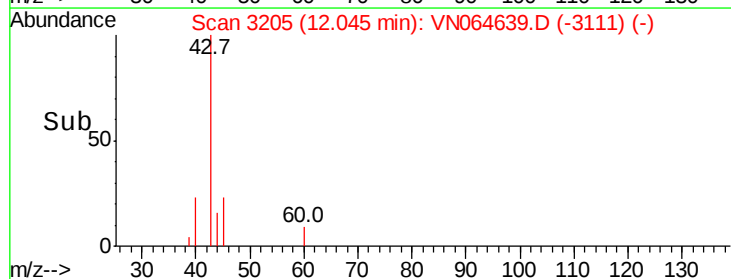


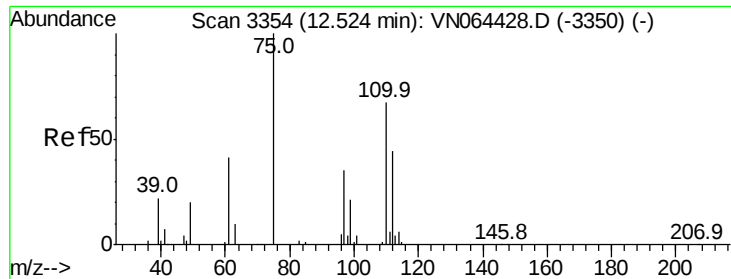
Abundance Ion 43.00 (42.70 to 43.70): V

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

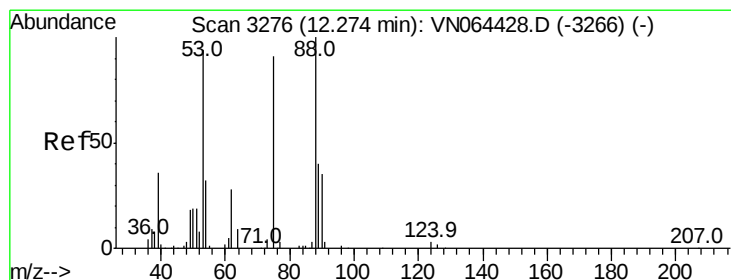
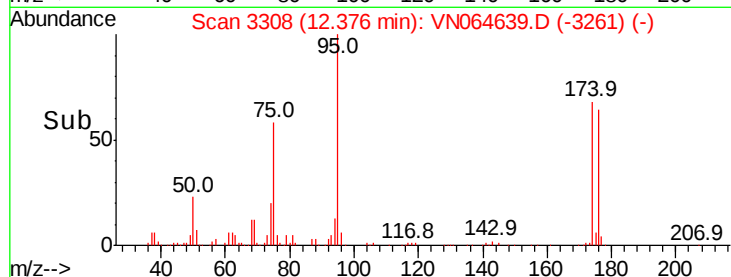
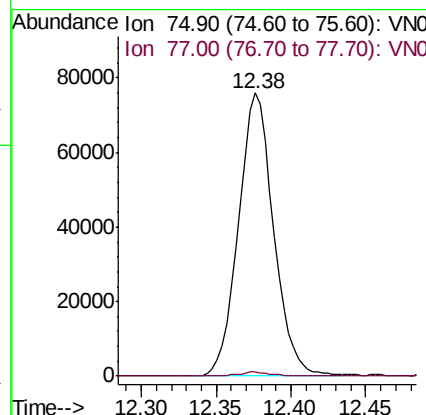
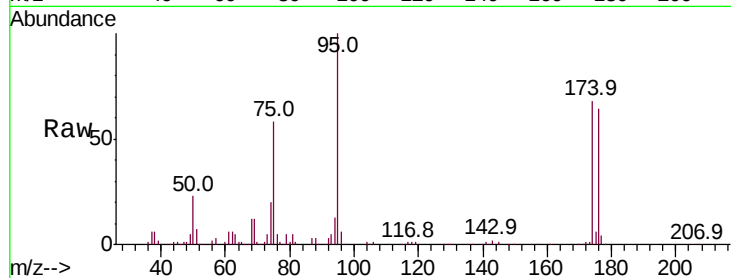




#76
 1,2,3-Trichloropropane
 Concen: 28.785 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064639.D
 Acq: 13 Nov 2020 18:46

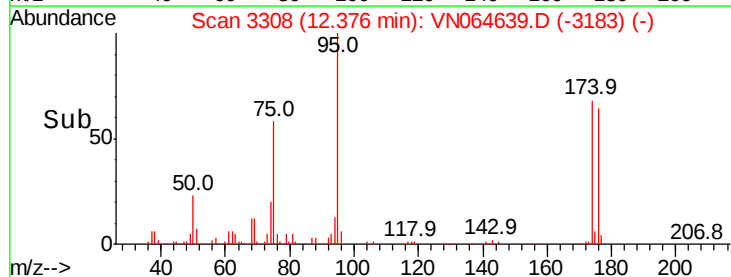
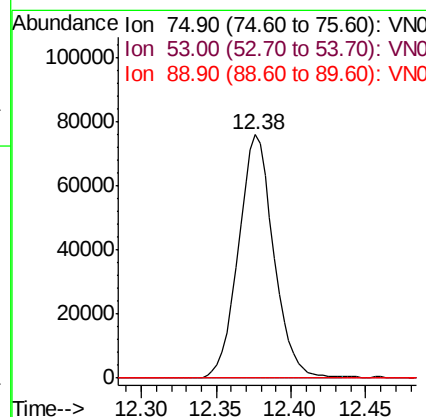
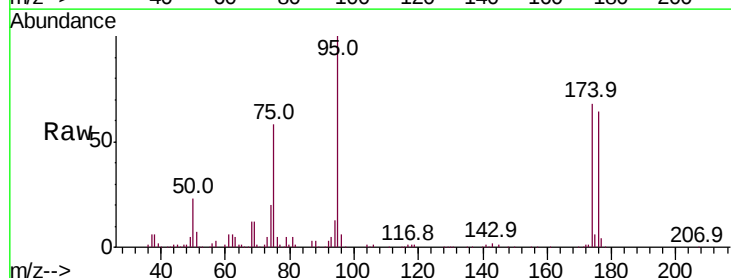
Instrument :
 MSVOA_N
 ClientSampleId :
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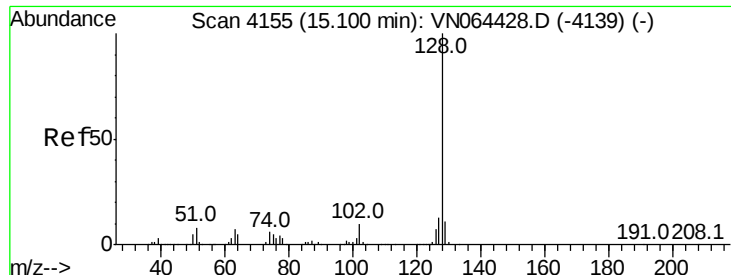
Tot Ion: 75 Resp: 124385
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.371 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064639.D
 Acq: 13 Nov 2020 18:46

Tgt Ion: 75 Resp: 124385
 Ion Ratio Lower Upper
 75 100
 53 0.2 84.0 126.0#
 89 0.1 36.3 54.5#

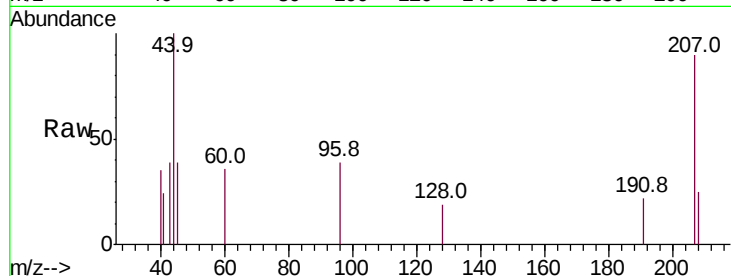




#95
Naphthalene
Concen: 3.626 ug/l
RT: 15.13 min Scan# 4163
Delta R.T. 0.03 min
Lab File: VN064639.D
Acq: 13 Nov 2020 18:46

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.8	13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

