

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064384.D
 Acq On : 29 Oct 2020 19:19
 Operator : JC/MD
 Sample : L4227-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-02-102820

Quant Time: Oct 30 05:35:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	224140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	400934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	408071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	172687	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	187737	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	7.55	113	133019	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
50) Toluene-d8	10.06	98	500856	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.38	95	217169	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	

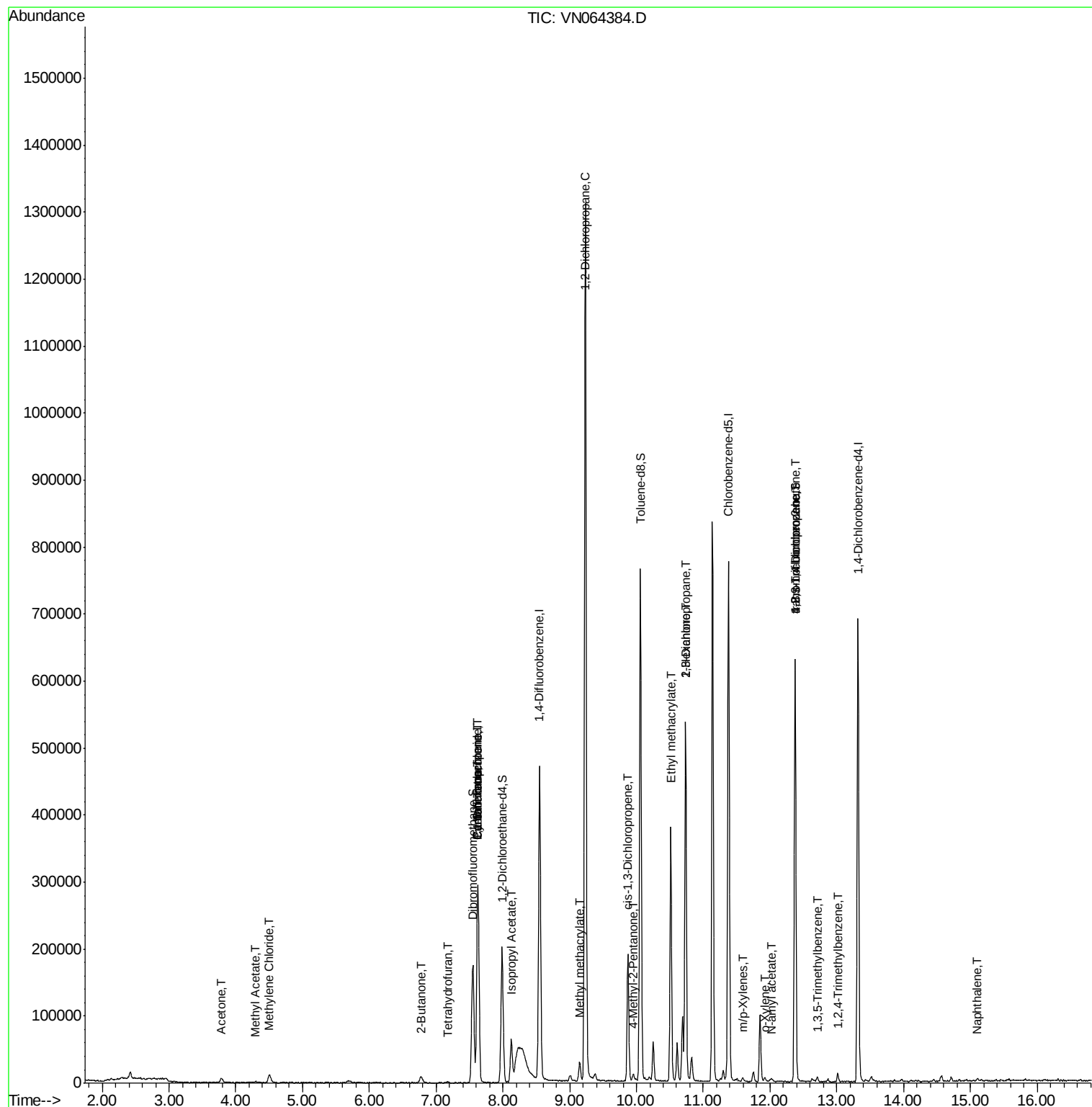
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	11571	2.140	ug/l #	82
18) Methyl Acetate	4.28	43	1332	0.492	ug/l #	71
20) Methylene Chloride	4.51	84	8864	3.470	ug/l #	93
25) 2-Butanone	6.79	43	1782	0.985	ug/l #	52
29) Tetrahydrofuran	7.17	42	238	0.203	ug/l #	52
31) Cyclohexane	7.63	56	5524	1.321	ug/l #	37
36) 1,1-Dichloropropene	7.62	75	19541	4.829	ug/l #	54
38) Carbon Tetrachloride	7.63	117	25493	5.434	ug/l #	17
43) Isopropyl Acetate	8.13	43	83151	11.901	ug/l #	89
45) 1,2-Dichloropropane	9.23	63	1211	0.402	ug/l #	44
48) Methyl methacrylate	9.14	41	4348	1.206	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	7827	1.927	ug/l	93
54) cis-1,3-Dichloropropene	9.87	75	31239	6.138	ug/l #	68
56) Ethyl methacrylate	10.52	69	1229	0.289	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	4754	0.993	ug/l #	42
59) 2-Hexanone	10.74	43	88633	29.632	ug/l #	52
68) m/p-Xylenes	11.59	106	1818	0.319	ug/l #	72
69) o-Xylene	11.92	106	1505	0.274	ug/l	82
74) N-amyl acetate	12.02	43	1779	0.312	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	123739	29.922	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3703	0.338	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.38	75	123739	86.191	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.01	105	7303	0.668	ug/l	98
95) Naphthalene	15.11	128	2574	2.644	ug/l #	91

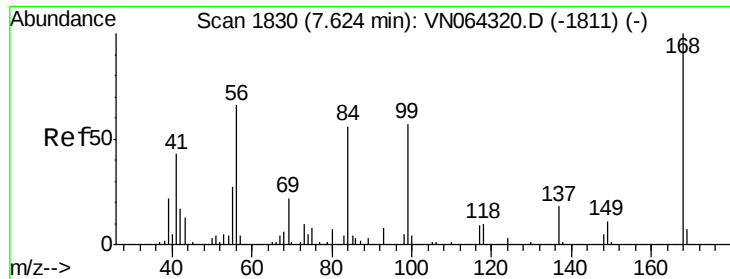
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102920\
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Quant Title : SW846 8260
QLast Update : Tue Oct 27 12:23:17 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: VN064384.D

Acq: 29 Oct 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

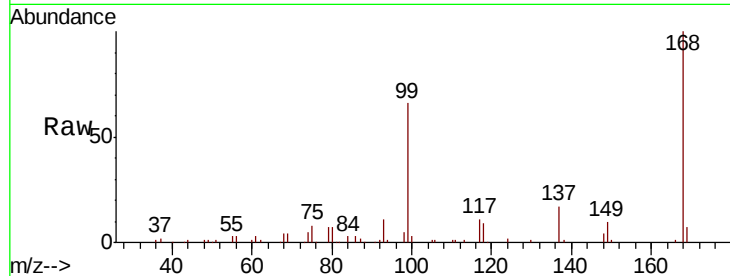
BU-02-102820

Tot Ion:168 Resp: 224140

Ion Ratio Lower Upper

168 100

99 66.0 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): VN064320.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064320.D (-1811) (-)

7.63

100000

80000

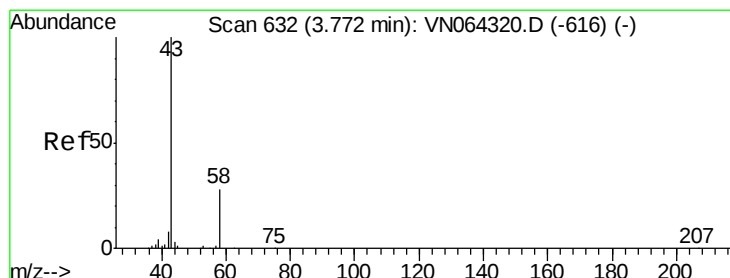
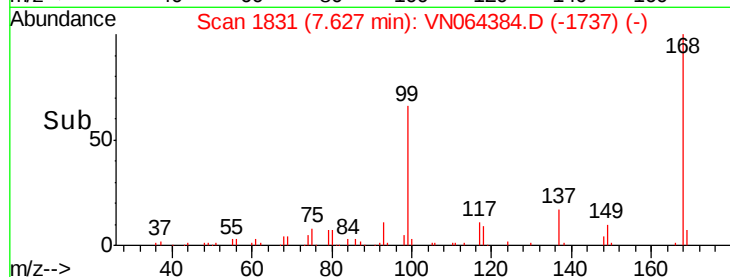
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 2.140 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064384.D

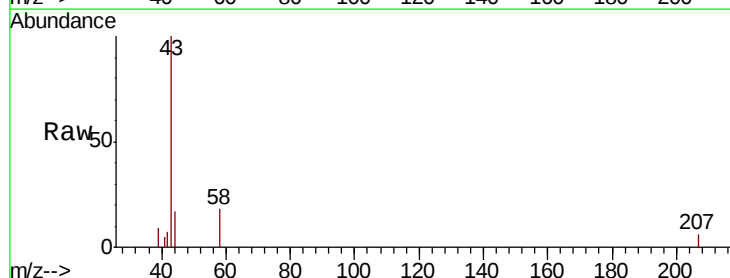
Acq: 29 Oct 2020 19:19

Tgt Ion: 43 Resp: 11571

Ion Ratio Lower Upper

43 100

58 18.1 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-616) (-)

3.78

5000

4000

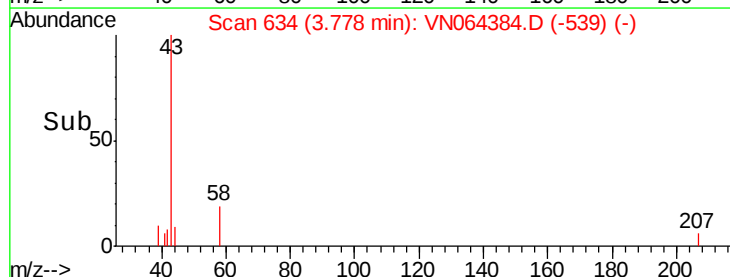
3000

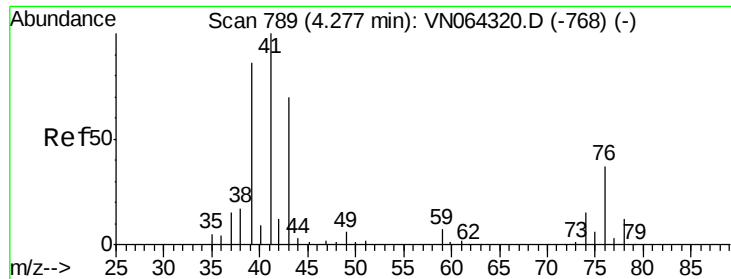
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

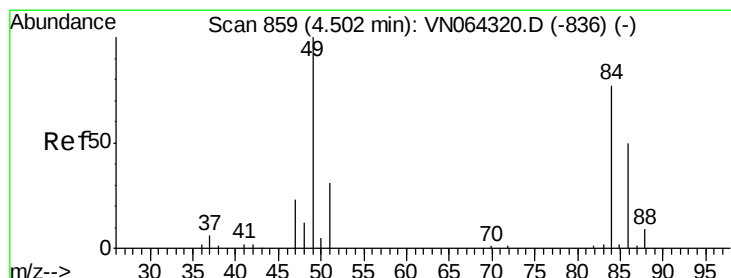
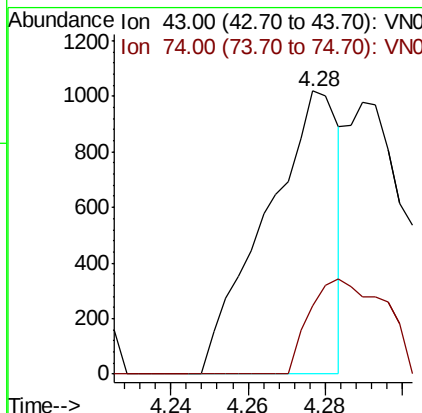
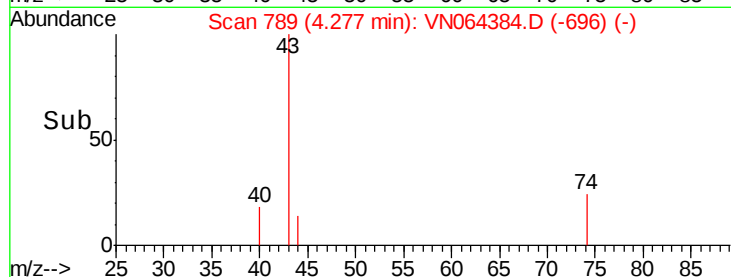
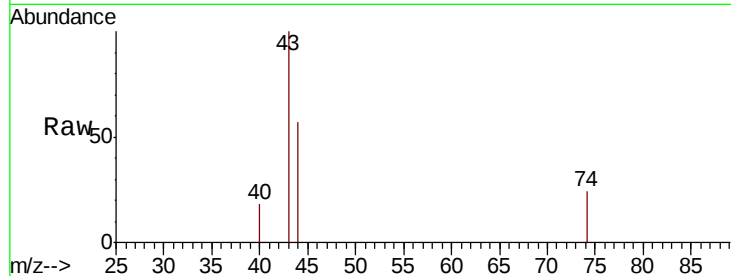




#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

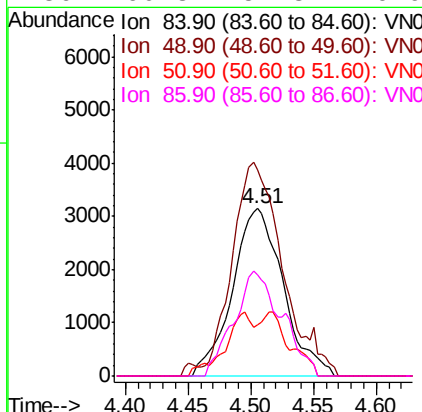
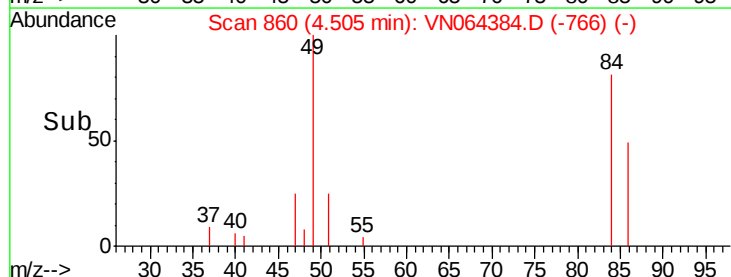
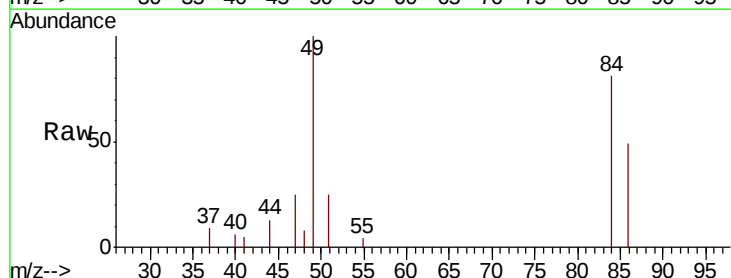
Instrument :
MSVOA_N
ClientSampled :
BU-02-102820

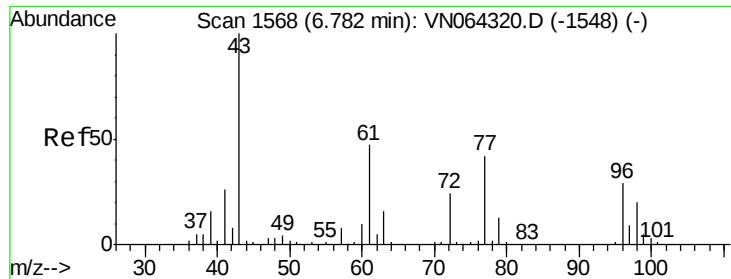
Tot Ion: 43 Resp: 1332
Ion Ratio Lower Upper
43 100
74 34.4 16.7 25.1#



#20
Methylene Chloride
Concen: 3.470 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Tgt Ion: 84 Resp: 8864
Ion Ratio Lower Upper
84 100
49 123.4 103.6 155.4
51 30.6 31.8 47.8#
86 60.3 51.3 76.9





#25

2-Butanone

Concen: 0.985 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN064384.D

Acq: 29 Oct 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

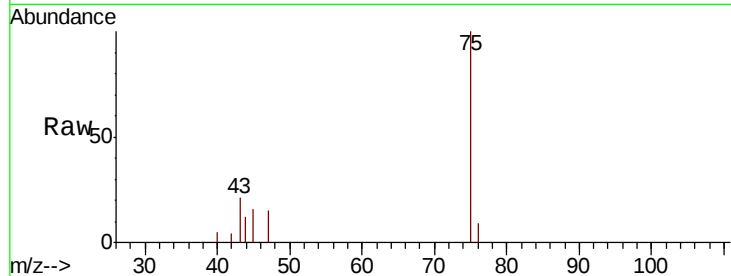
BU-02-102820

Tot Ion: 43 Resp: 1782

Ion Ratio Lower Upper

43 100

72 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

800

600

400

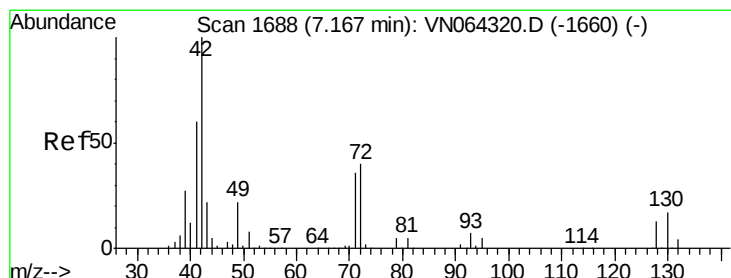
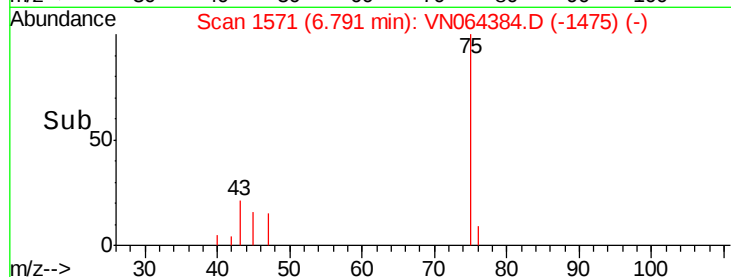
200

0

6.75

6.80

Time-->



#29

Tetrahydrofuran

Concen: 0.203 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN064384.D

Acq: 29 Oct 2020 19:19

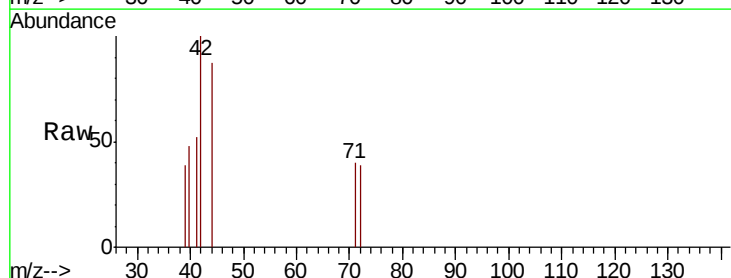
Tgt Ion: 42 Resp: 238

Ion Ratio Lower Upper

42 100

72 82.8 31.6 47.4#

71 50.4 29.4 44.0#



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

600

400

200

0

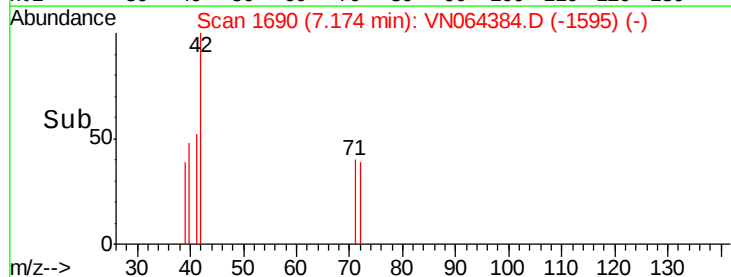
7.16

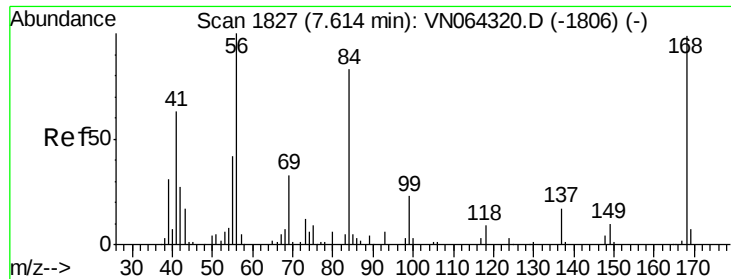
7.17

7.18

7.19

Time-->

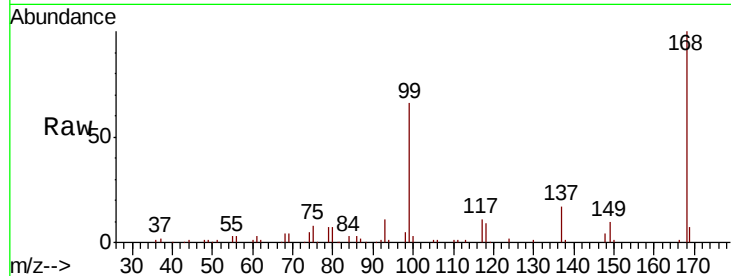




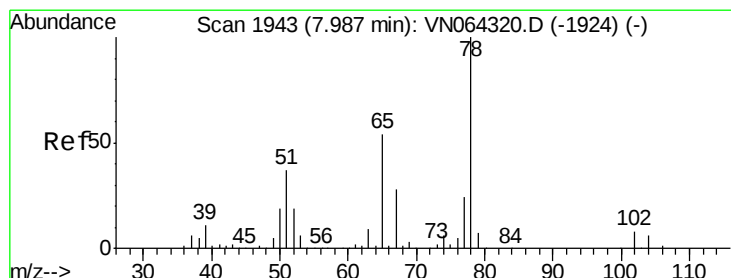
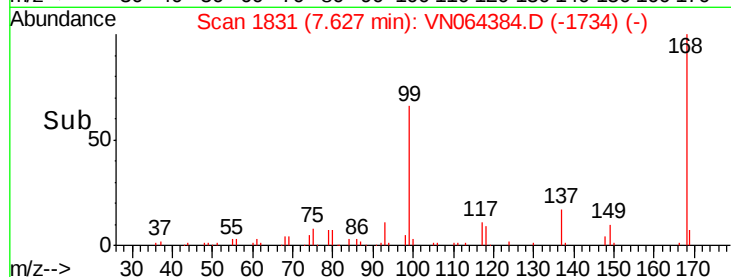
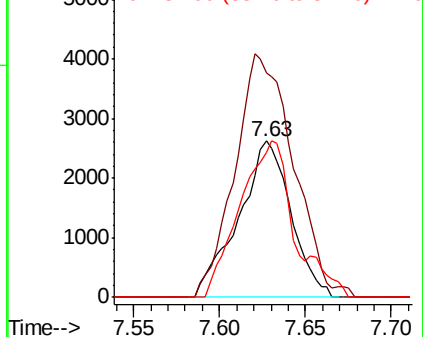
#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Instrument :
MSVOA_N
ClientSampled :
BU-02-102820

Tot Ion: 56 Resp: 5524
Ion Ratio Lower Upper
56 100
69 143.3 25.8 38.8#
84 92.7 66.3 99.5

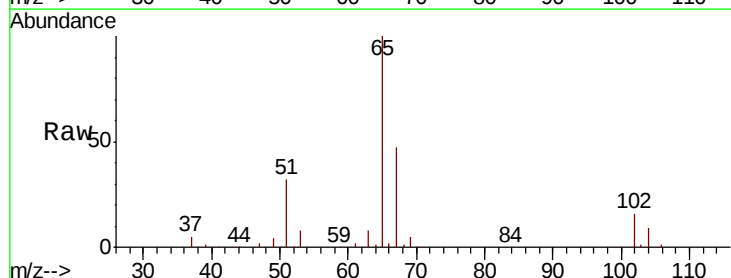


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

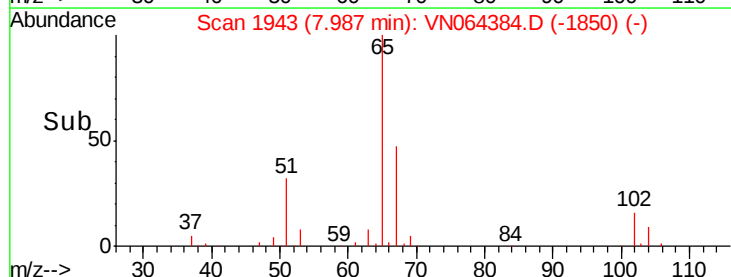
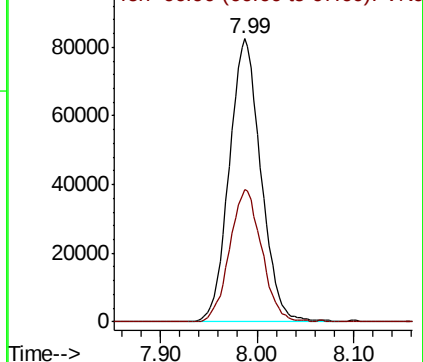


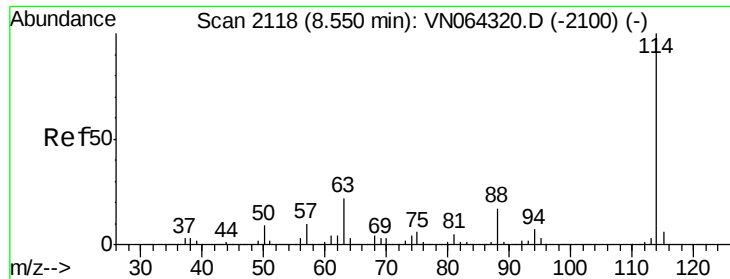
#33
1,2-Dichloroethane-d4
Concen: 52.122 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Tgt Ion: 65 Resp: 187737
Ion Ratio Lower Upper
65 100
67 47.3 0.0 99.2



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

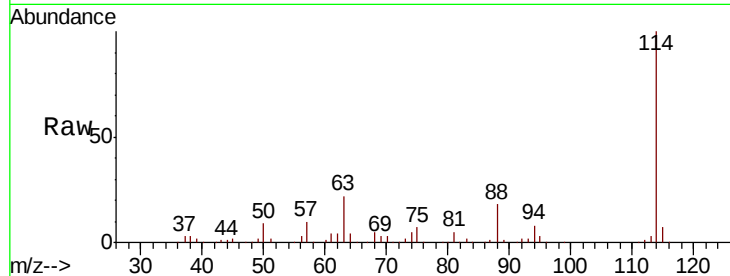




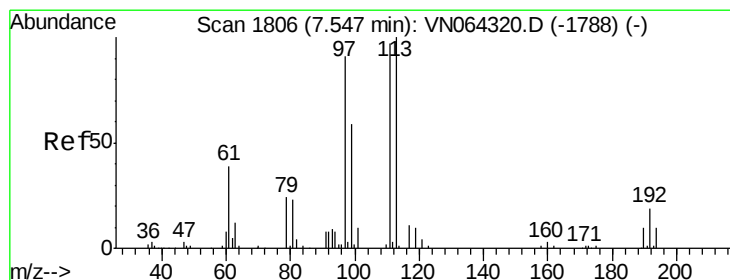
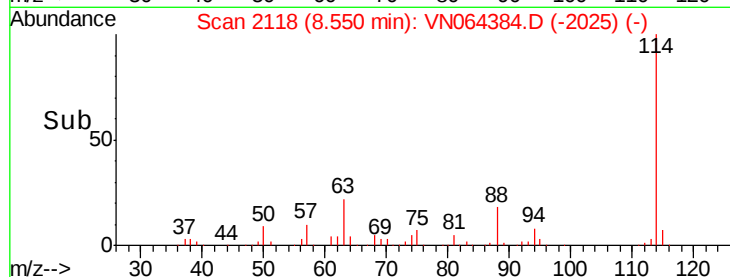
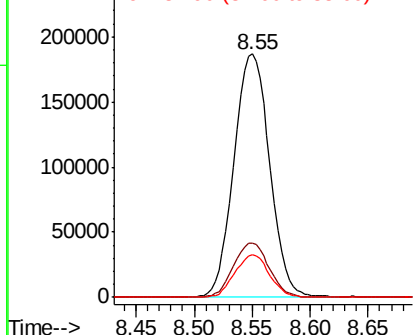
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
BU-02-102820

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.6
88	17.8	0.0	33.4

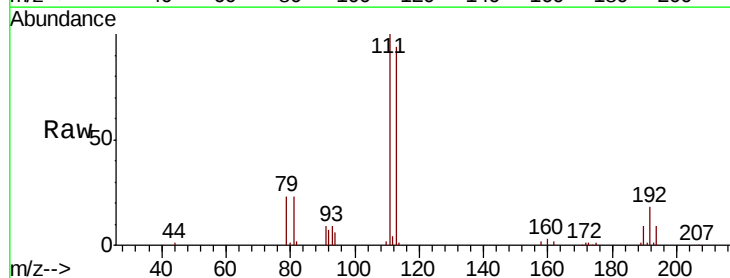


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VNO
Ion 87.90 (87.60 to 88.60): VNO

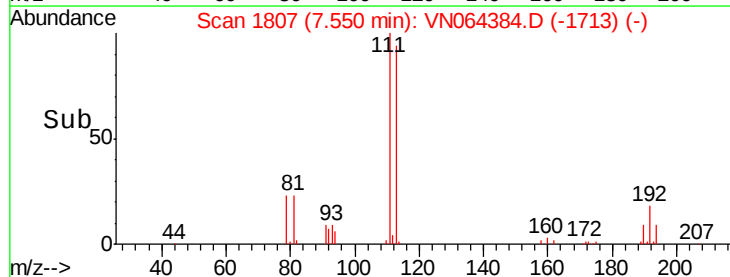
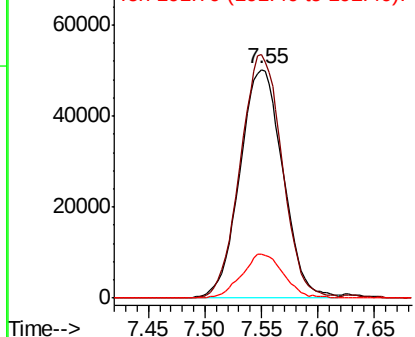


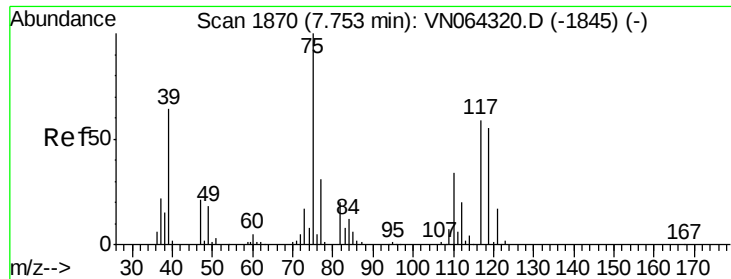
#35
Dibromofluoromethane
Concen: 49.750 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.5	122.3
192	18.6	15.0	22.4



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

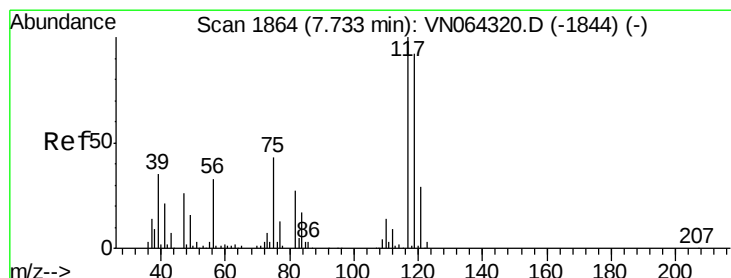
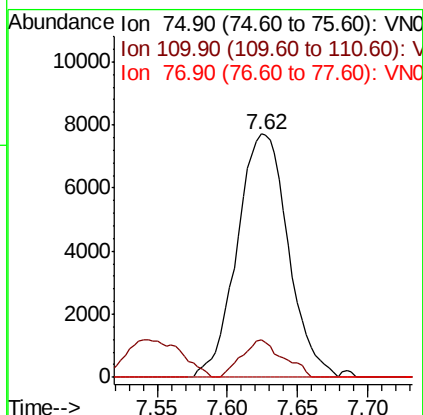
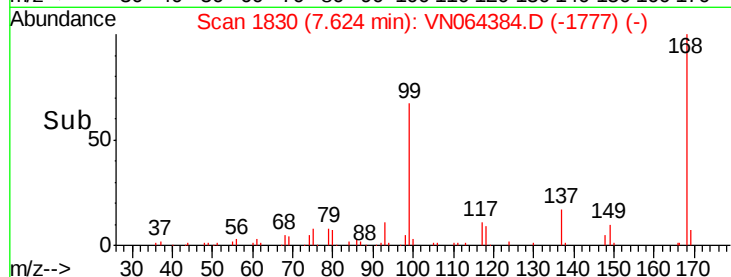
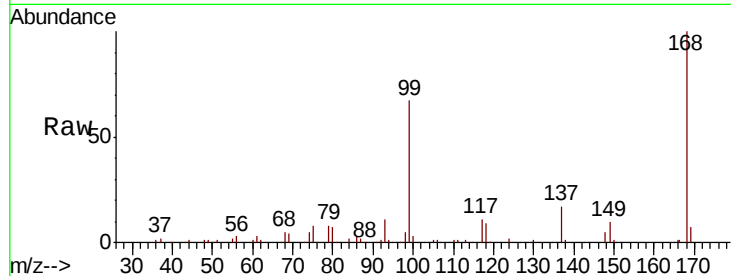




#36
 1,1-Dichloropropene
 Concen: 4.829 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064384.D
 Acq: 29 Oct 2020 19:19

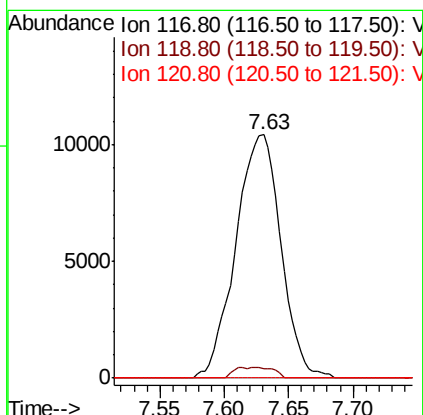
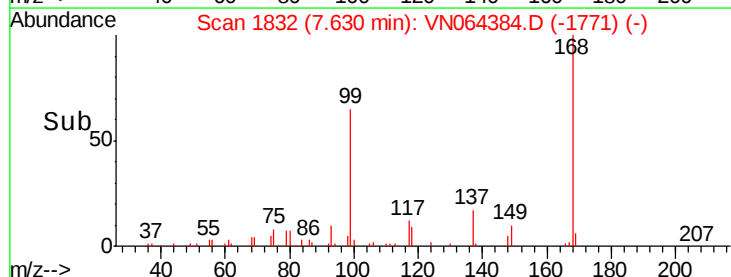
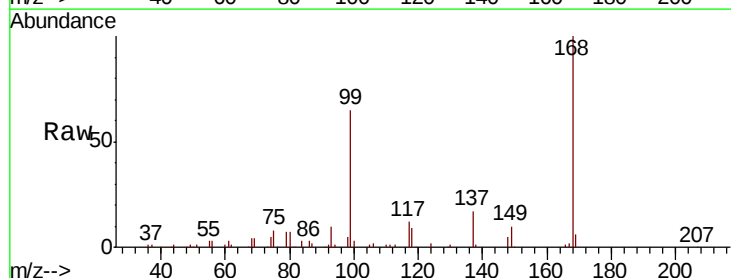
Instrument :
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 BU-02-102820

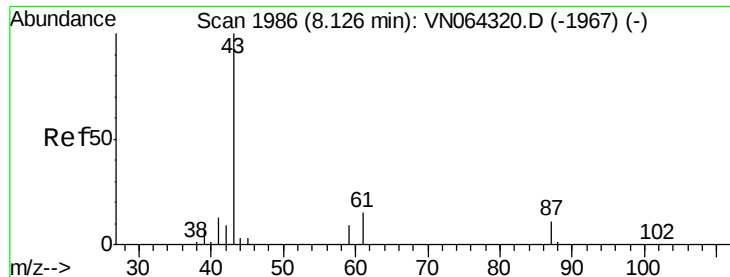
Tot Ion: 75 Resp: 19541
 Ion Ratio Lower Upper
 75 100
 110 12.4 16.8 50.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 5.434 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN064384.D
 Acq: 29 Oct 2020 19:19

Tgt Ion: 117 Resp: 25493
 Ion Ratio Lower Upper
 117 100
 119 4.0 73.7 110.5#
 121 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 11.901 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064384.D

Acq: 29 Oct 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

BU-02-102820

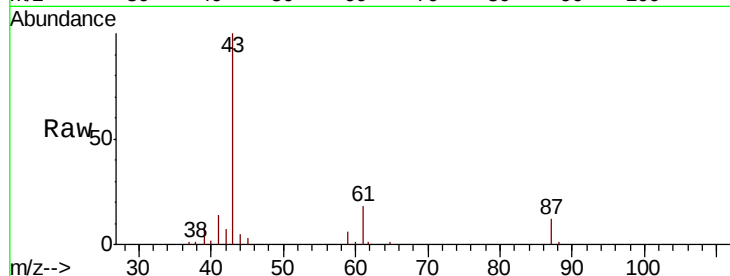
Tot Ion: 43 Resp: 83151

Ion Ratio Lower Upper

43 100

61 16.2 19.1 28.7#

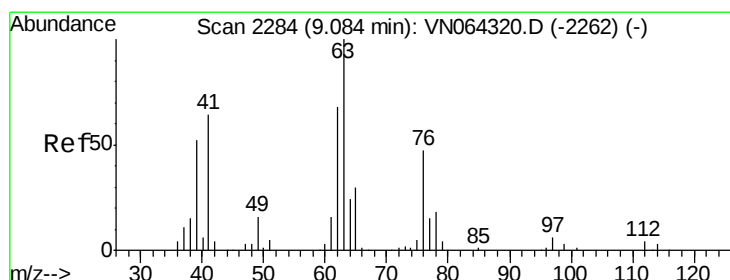
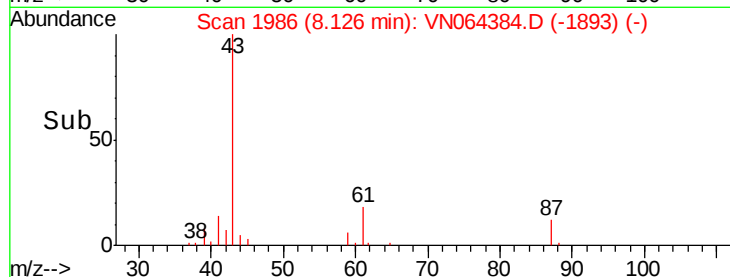
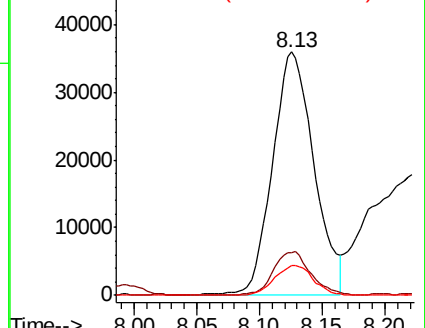
87 11.4 9.3 13.9



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



#45

1,2-Dichloropropane

Concen: 0.402 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN064384.D

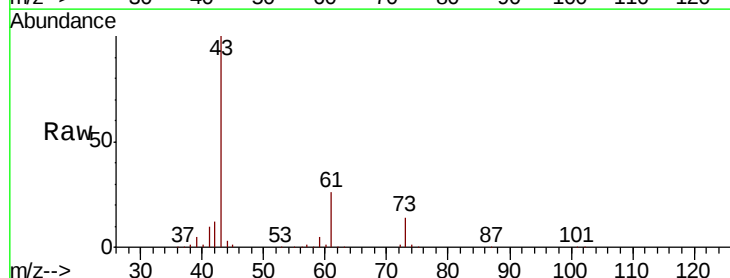
Acq: 29 Oct 2020 19:19

Tgt Ion: 63 Resp: 1211

Ion Ratio Lower Upper

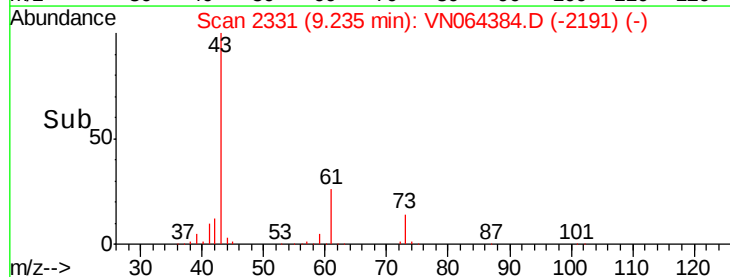
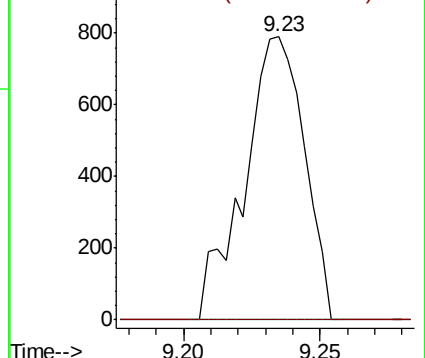
63 100

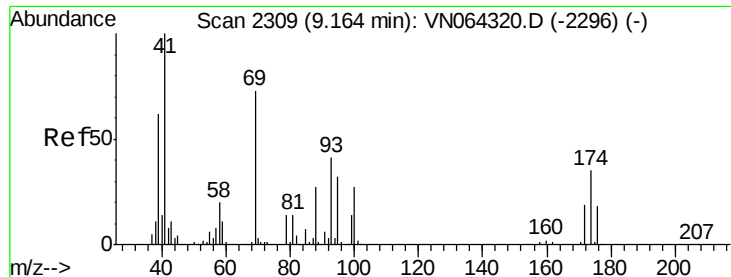
65 0.0 24.3 36.5#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

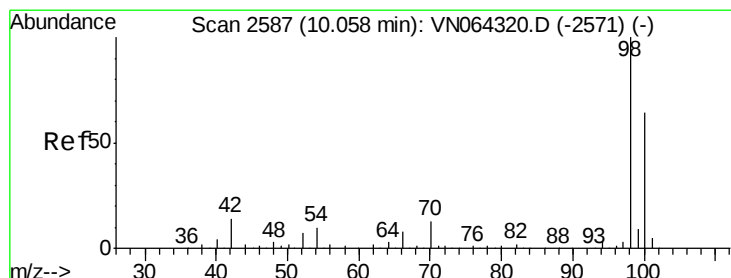
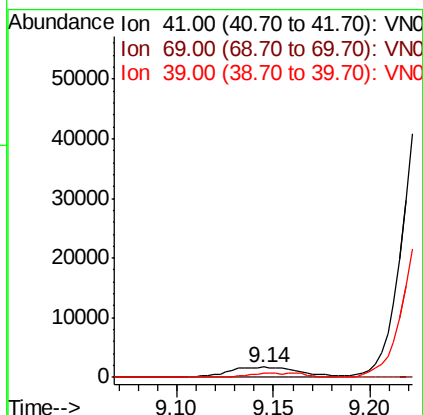
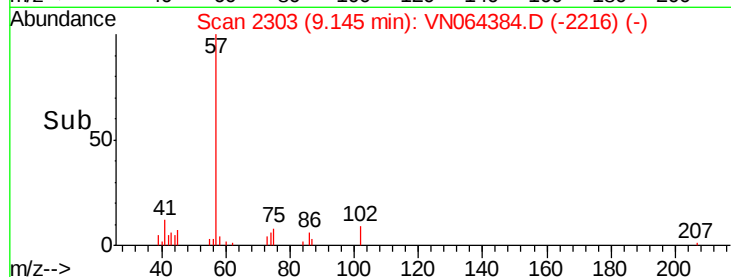
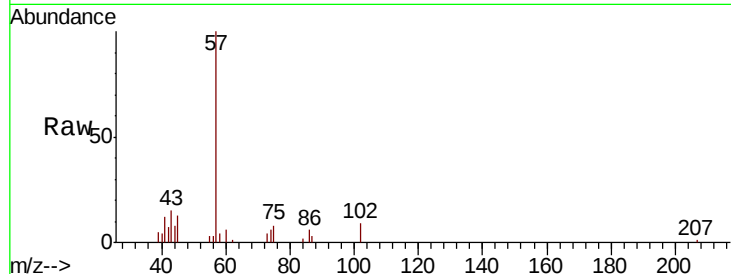




#48
Methvl methacrylate
Concen: 1.206 ug/l
RT: 9.14 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

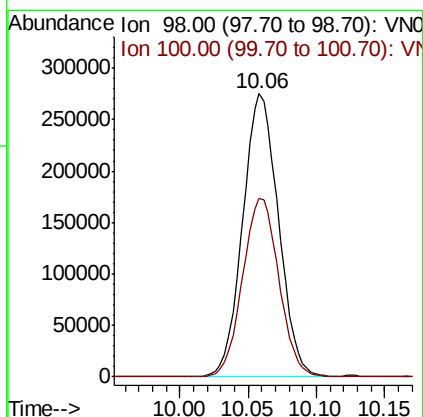
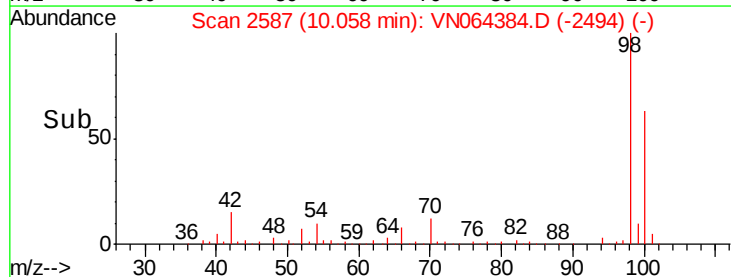
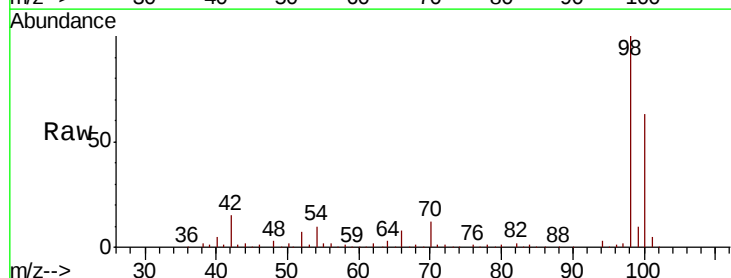
Instrument :
MSVOA_N
ClientSampled :
BU-02-102820

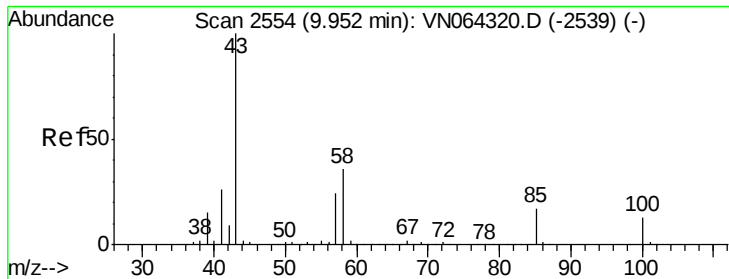
Tot Ion: 41 Resp: 4348
Ion Ratio Lower Upper
41 100
69 0.0 59.1 88.7#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 50.644 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Tgt Ion: 98 Resp: 500856
Ion Ratio Lower Upper
98 100
100 64.1 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 1.927 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064384.D

Acq: 29 Oct 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

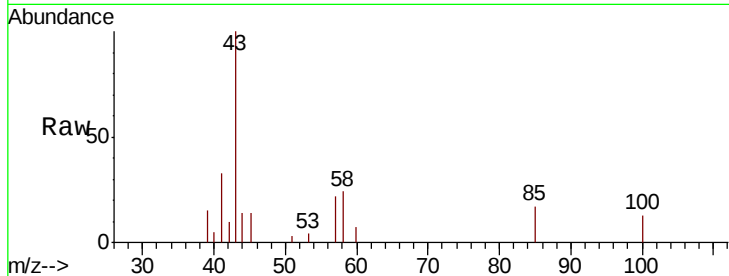
BU-02-102820

Tot Ion: 43 Resp: 7827

Ion Ratio Lower Upper

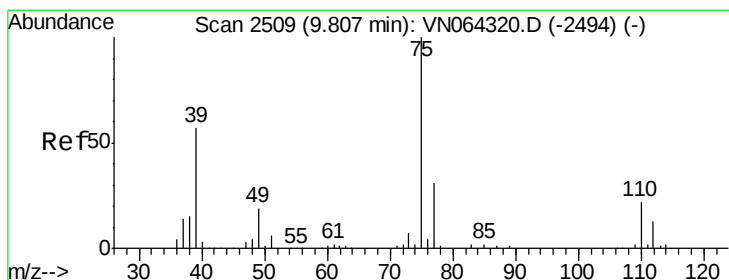
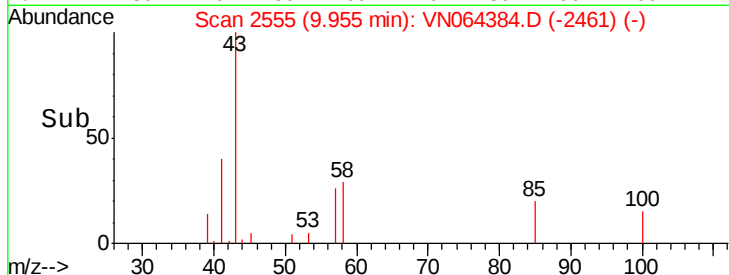
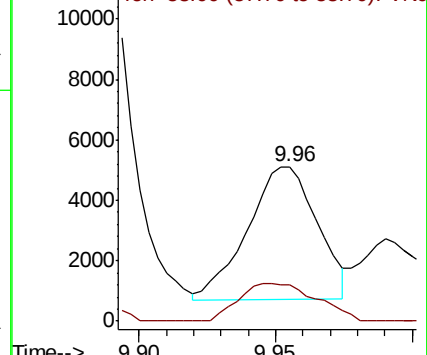
43 100

58 31.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.138 ug/l

RT: 9.87 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN064384.D

Acq: 29 Oct 2020 19:19

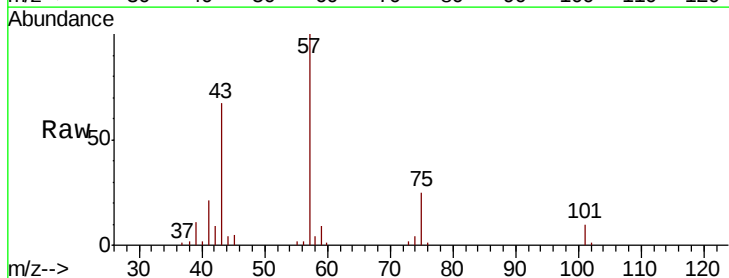
Tgt Ion: 75 Resp: 31239

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

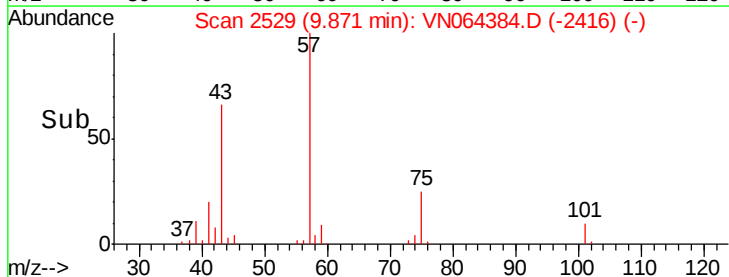
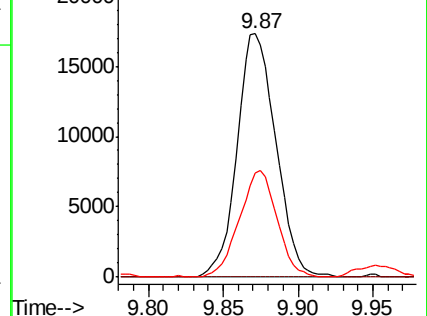
39 42.7 45.5 68.3#

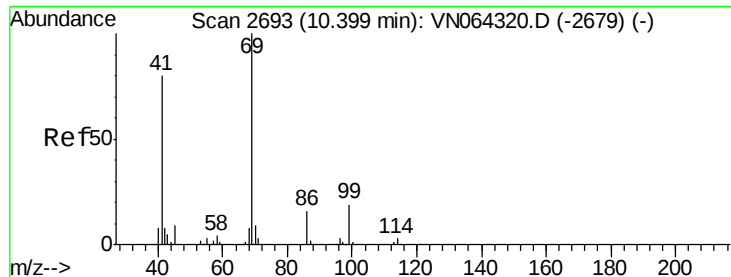


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.289 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064384.D

Acq: 29 Oct 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

BU-02-102820

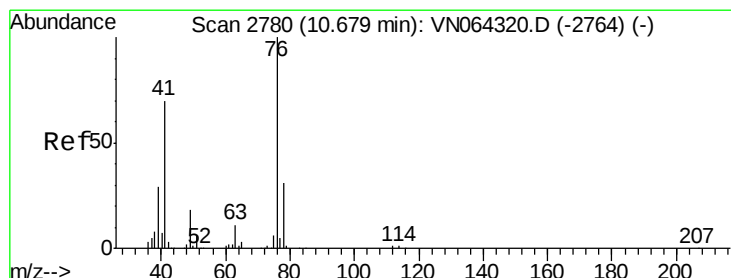
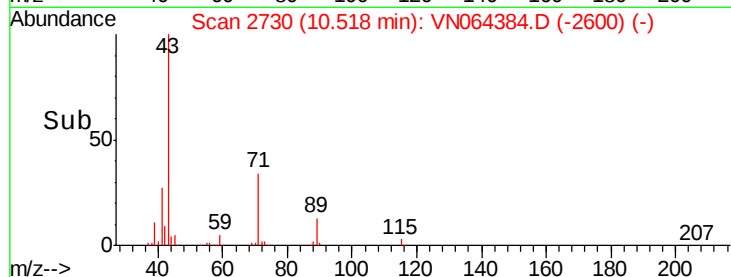
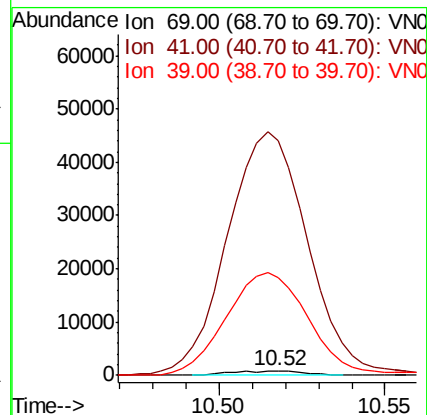
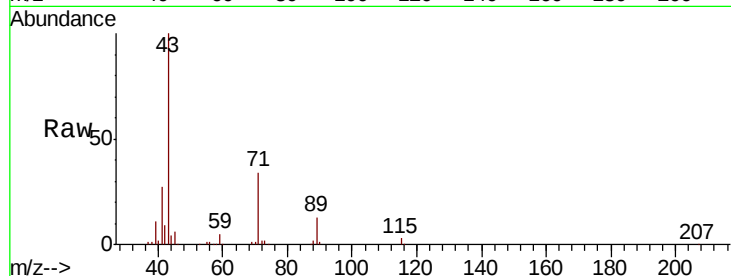
Tot Ion: 69 Resp: 1229

Ion Ratio Lower Upper

69 100

41 6340.0 61.4 92.2#

39 2727.3 36.5 54.7#



#57

1,3-Dichloropropane

Concen: 0.993 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN064384.D

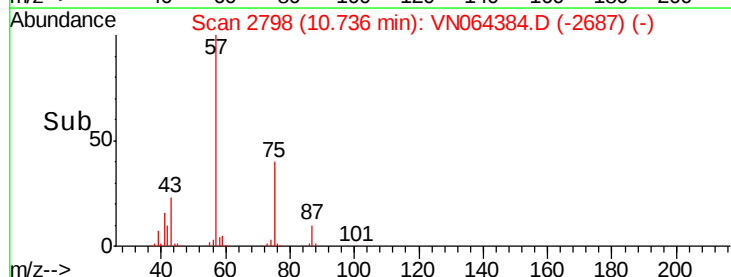
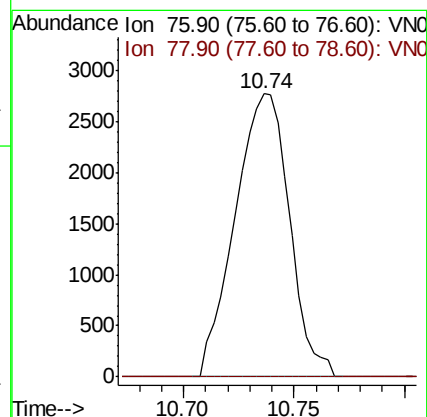
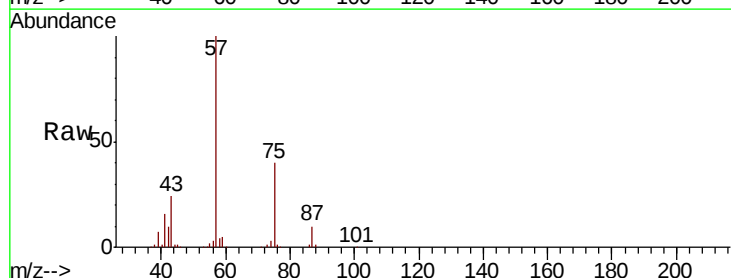
Acq: 29 Oct 2020 19:19

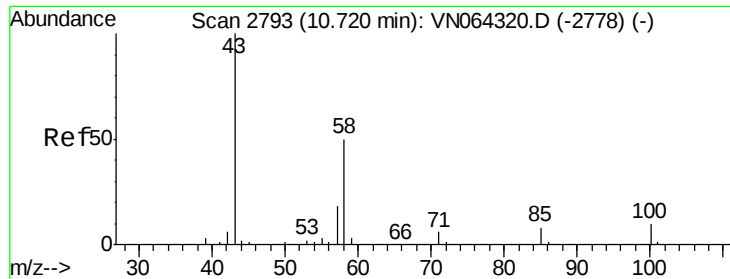
Tgt Ion: 76 Resp: 4754

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

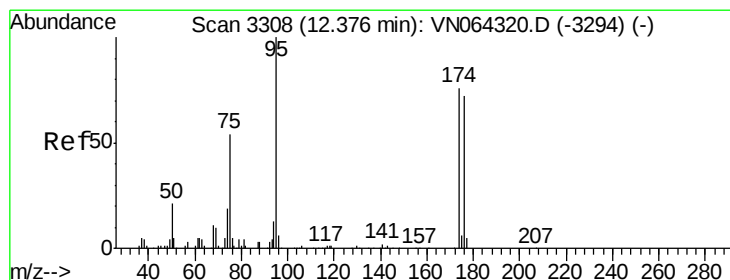
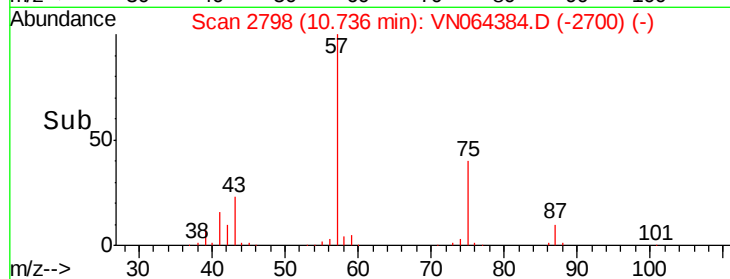
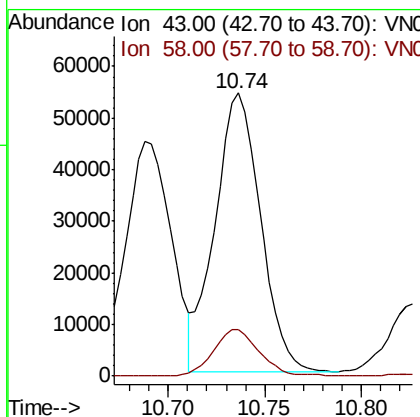
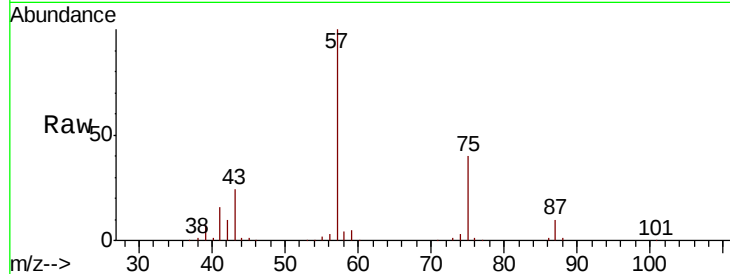




#59
2-Hexanone
Concen: 29.632 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

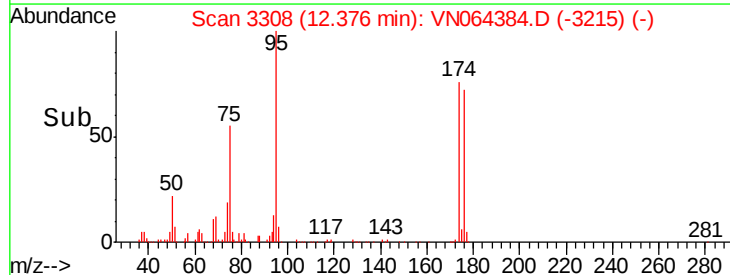
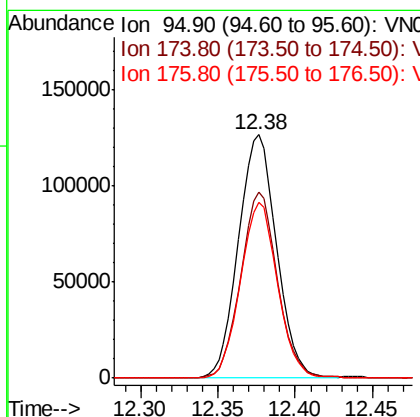
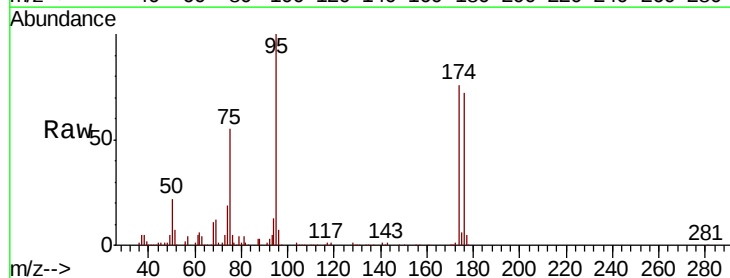
Instrument :
MSVOA_N
ClientSampleId :
BU-02-102820

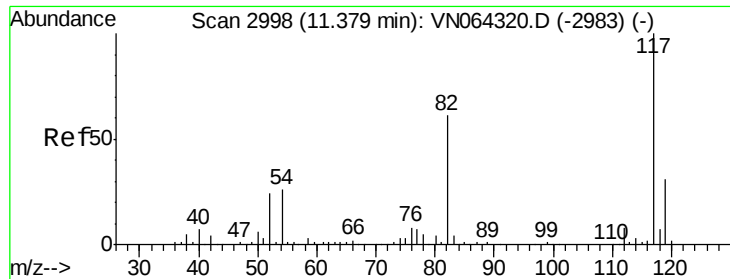
Tot Ion: 43 Resp: 88633
Ion Ratio Lower Upper
43 100
58 16.9 25.0 75.0#



#62
4-Bromofluorobenzene
Concen: 56.320 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Tgt Ion: 95 Resp: 217169
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 70.2 0.0 143.6

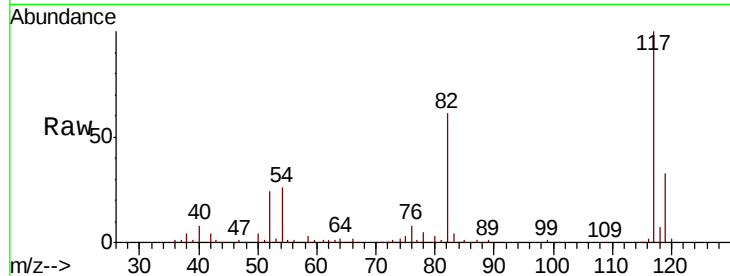




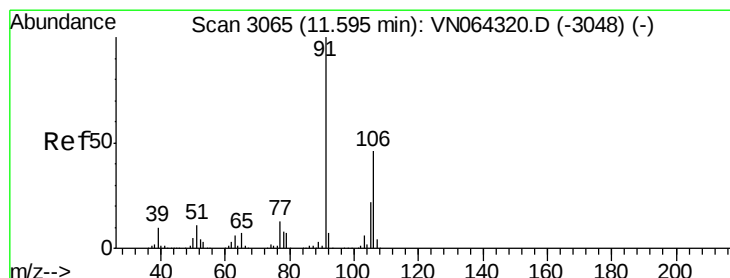
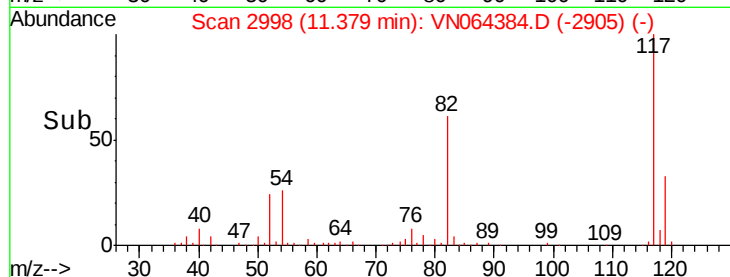
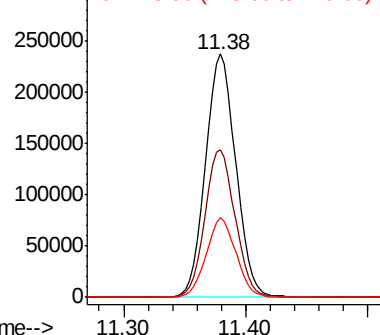
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Instrument :
MSVOA_N
ClientSampleId :
BU-02-102820

Tot Ion:117 Resp: 408071
Ion Ratio Lower Upper
117 100
82 60.9 48.8 73.2
119 32.5 25.1 37.7

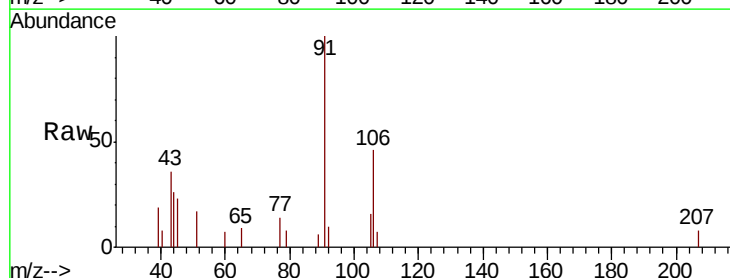


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

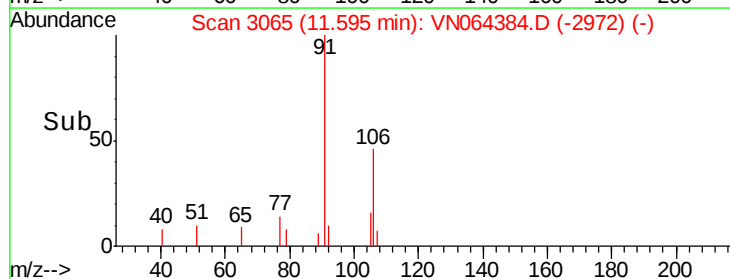
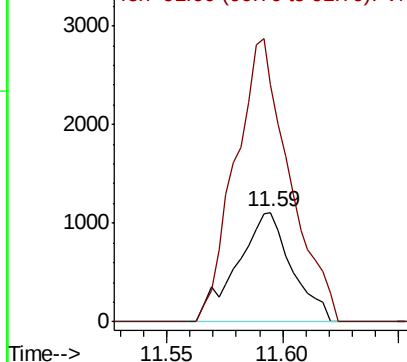


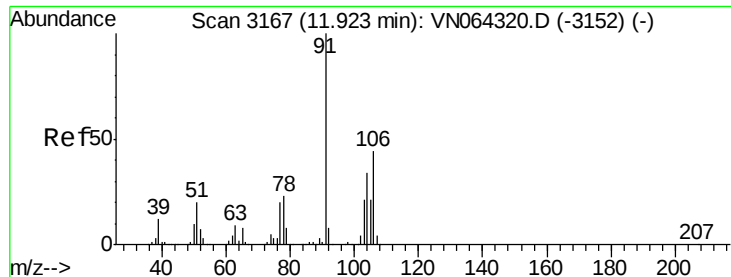
#68
m/p-Xylenes
Concen: 0.319 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Tgt Ion:106 Resp: 1818
Ion Ratio Lower Upper
106 100
91 257.1 170.2 255.4#



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

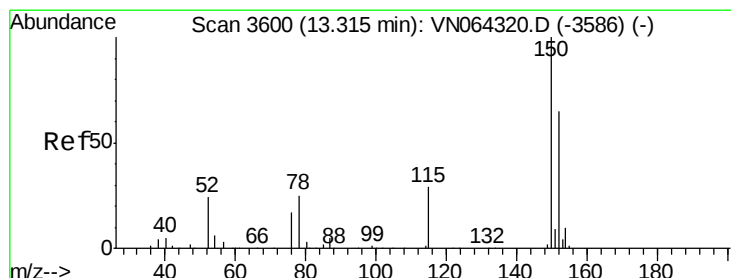
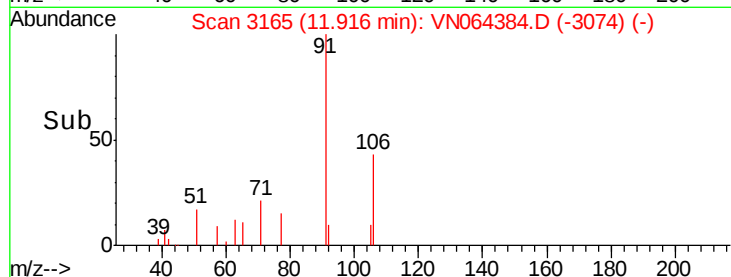
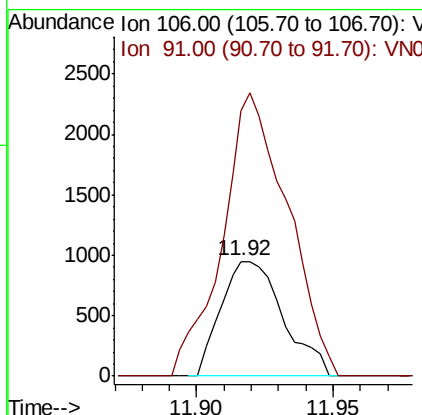
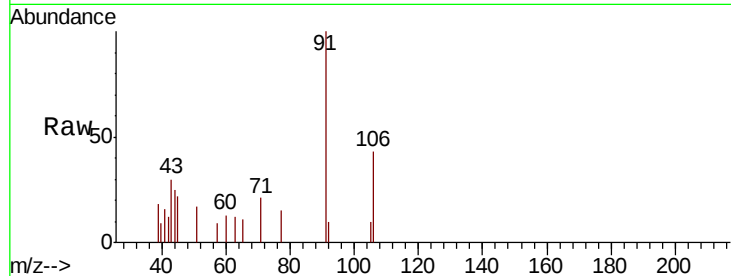




#69
o-Xylene
Concen: 0.274 ug/l
RT: 11.92 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

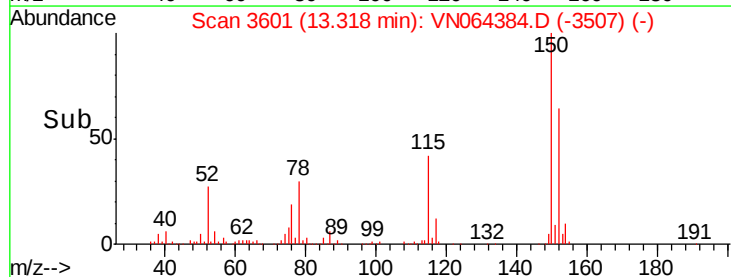
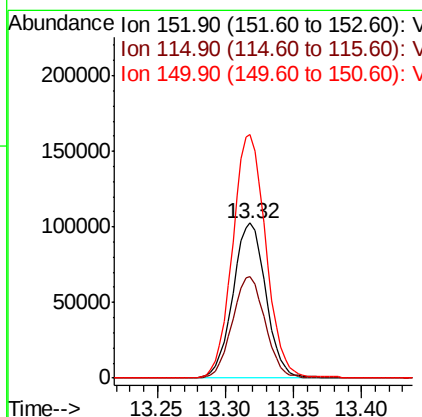
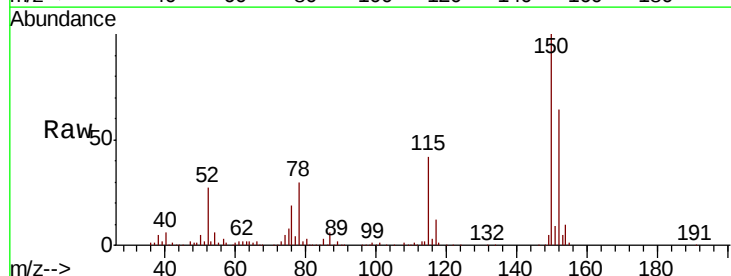
Instrument :
MSVOA_N
ClientSampled :
BU-02-102820

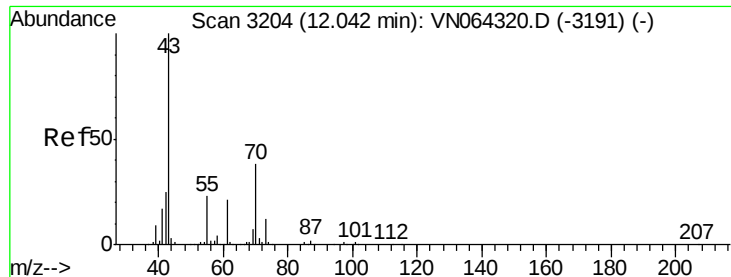
Tot Ion:106 Resp: 1505
Ion Ratio Lower Upper
106 100
91 259.4 114.5 343.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064384.D
Acq: 29 Oct 2020 19:19

Tgt Ion:152 Resp: 172687
Ion Ratio Lower Upper
152 100
115 64.8 31.5 94.5
150 158.2 0.0 346.2





#74

N-amvl acetate

Concen: 0.312 ug/l

RT: 12.02 min Scan# 3198

Delta R.T. -0.02 min

Lab File: VN064384.D

Acq: 29 Oct 2020 19:19

Instrument :

MSVOA_N

ClientSampleId :

BU-02-102820

Tot Ion: 43 Resp: 1779

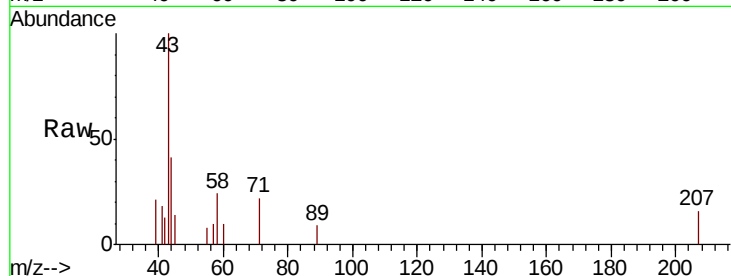
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 7.6 18.2 27.4#

61 0.0 17.6 26.4#

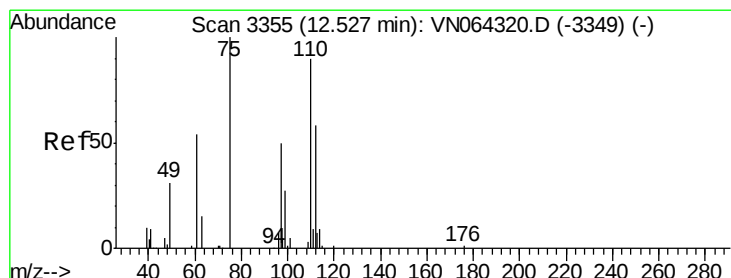
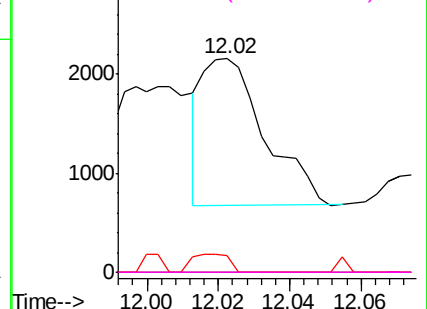
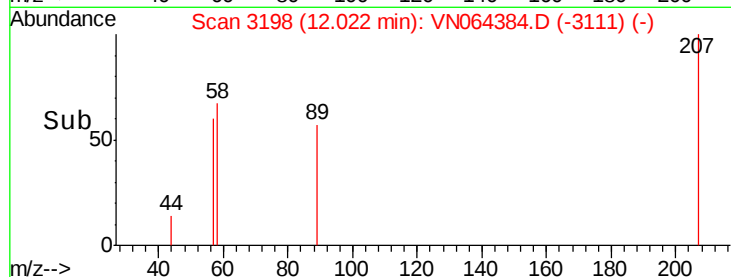


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 29.922 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064384.D

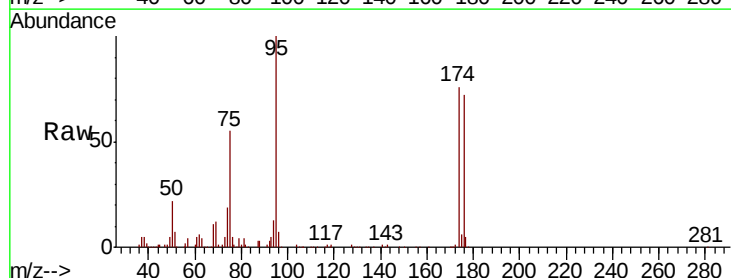
Acq: 29 Oct 2020 19:19

Tgt Ion: 75 Resp: 123739

Ion Ratio Lower Upper

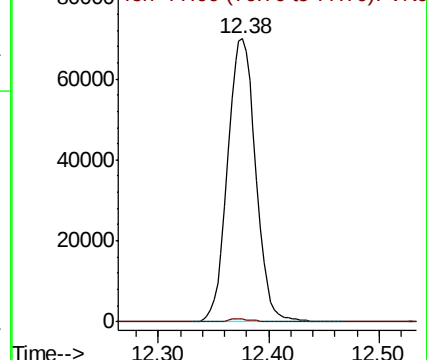
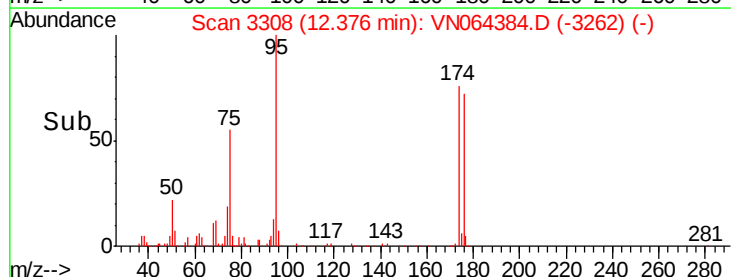
75 100

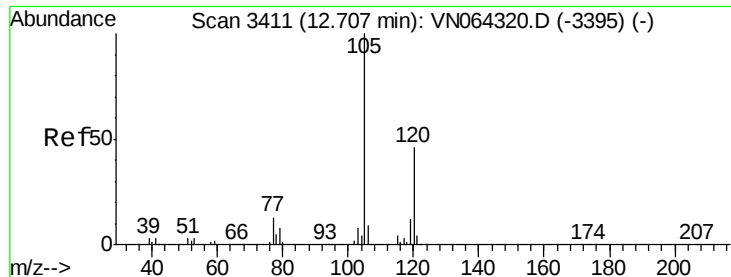
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

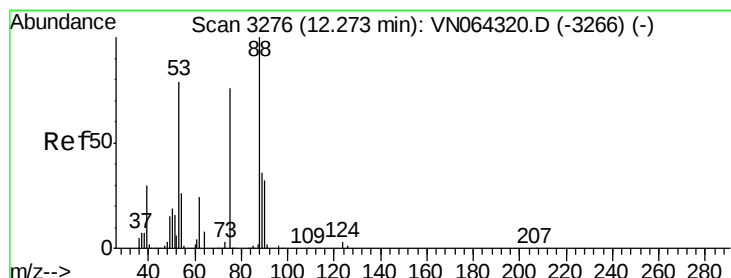
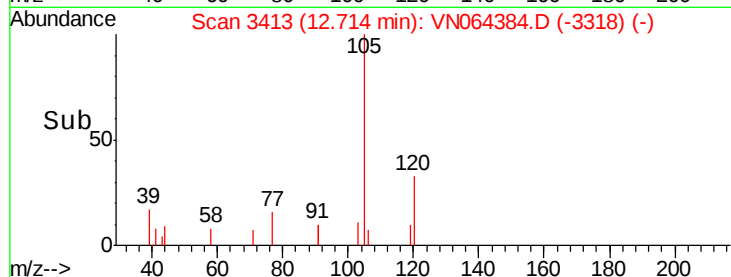
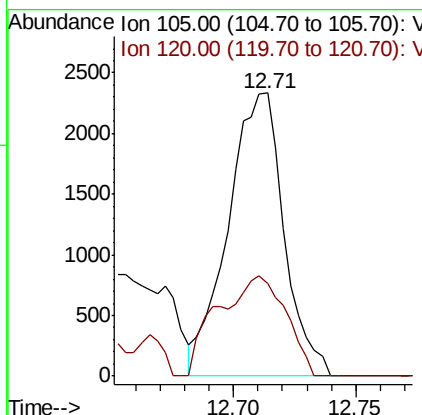
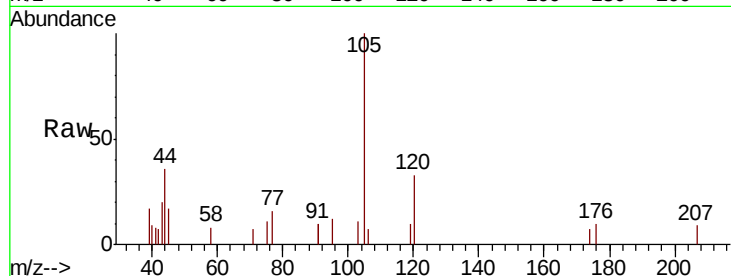




#80
 1,3,5-Trimethylbenzene
 Concen: 0.338 ug/l
 RT: 12.71 min Scan# 3413
 Delta R.T. 0.01 min
 Lab File: VN064384.D
 Acq: 29 Oct 2020 19:19

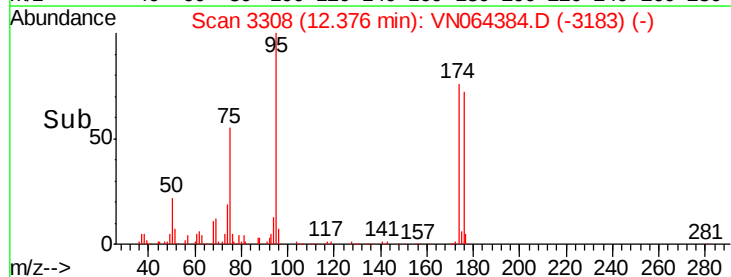
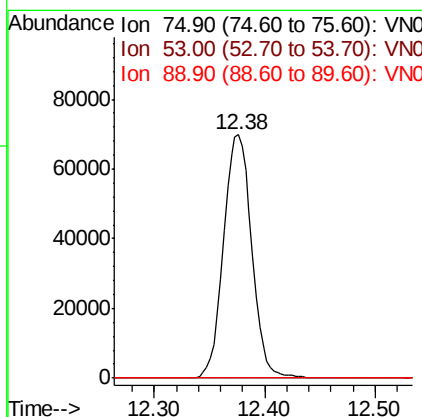
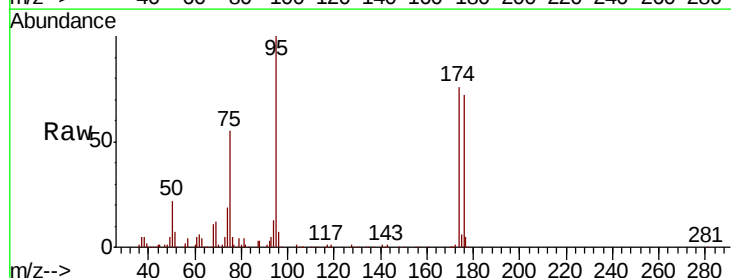
Instrument :
 MSVOA_N
 ClientSampled :
 BU-02-102820

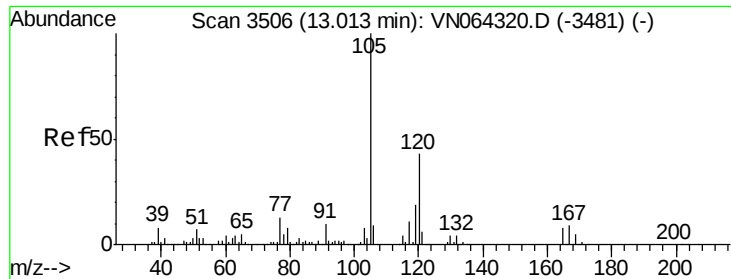
Tot Ion:105 Resp: 3703
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.191 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064384.D
 Acq: 29 Oct 2020 19:19

Tgt Ion: 75 Resp: 123739
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.8 122.8#
 89 0.0 39.9 59.9#

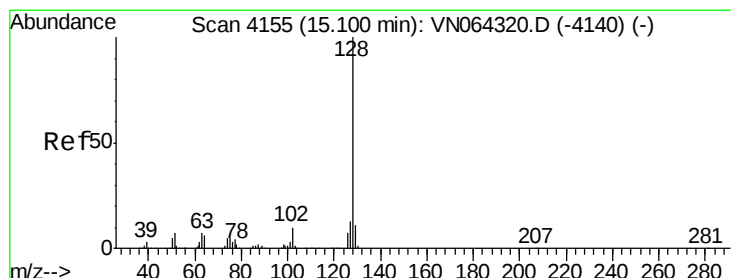
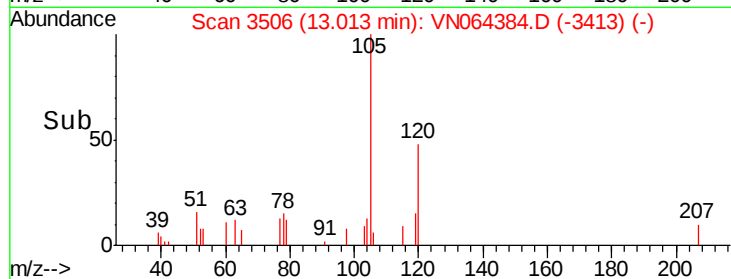
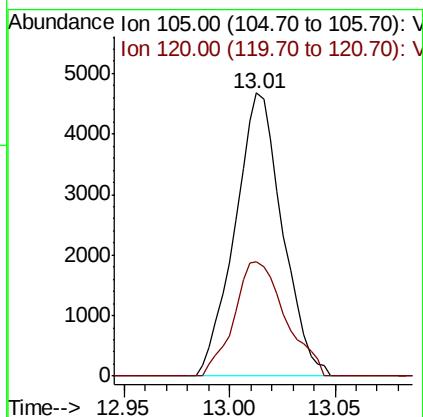
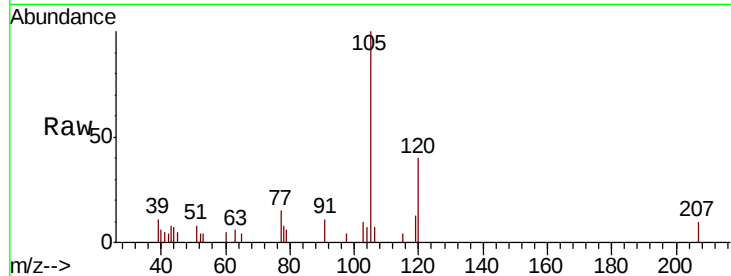




#84
 1,2,4-Trimethylbenzene
 Concen: 0.668 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064384.D
 Acq: 29 Oct 2020 19:19

Instrument :
 MSVOA_N
 ClientSampleID :
 BU-02-102820

Tot Ion:105 Resp: 7303
 Ion Ratio Lower Upper
 105 100
 120 43.7 21.3 64.0



#95
 Naphthalene
 Concen: 2.644 ug/l
 RT: 15.11 min Scan# 4158
 Delta R.T. 0.01 min
 Lab File: VN064384.D
 Acq: 29 Oct 2020 19:19

Tgt Ion:128 Resp: 2574
 Ion Ratio Lower Upper
 128 100
 127 11.8 10.4 15.6
 129 4.6 8.6 13.0#

