

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064443.D
 Acq On : 4 Nov 2020 18:01
 Operator : JC/MD
 Sample : L4627-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:48:49 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	250123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	497166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	518530	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	191303	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	235174	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
35) Dibromofluoromethane	7.55	113	169128	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.06	98	633007	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	12.38	95	249580	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	

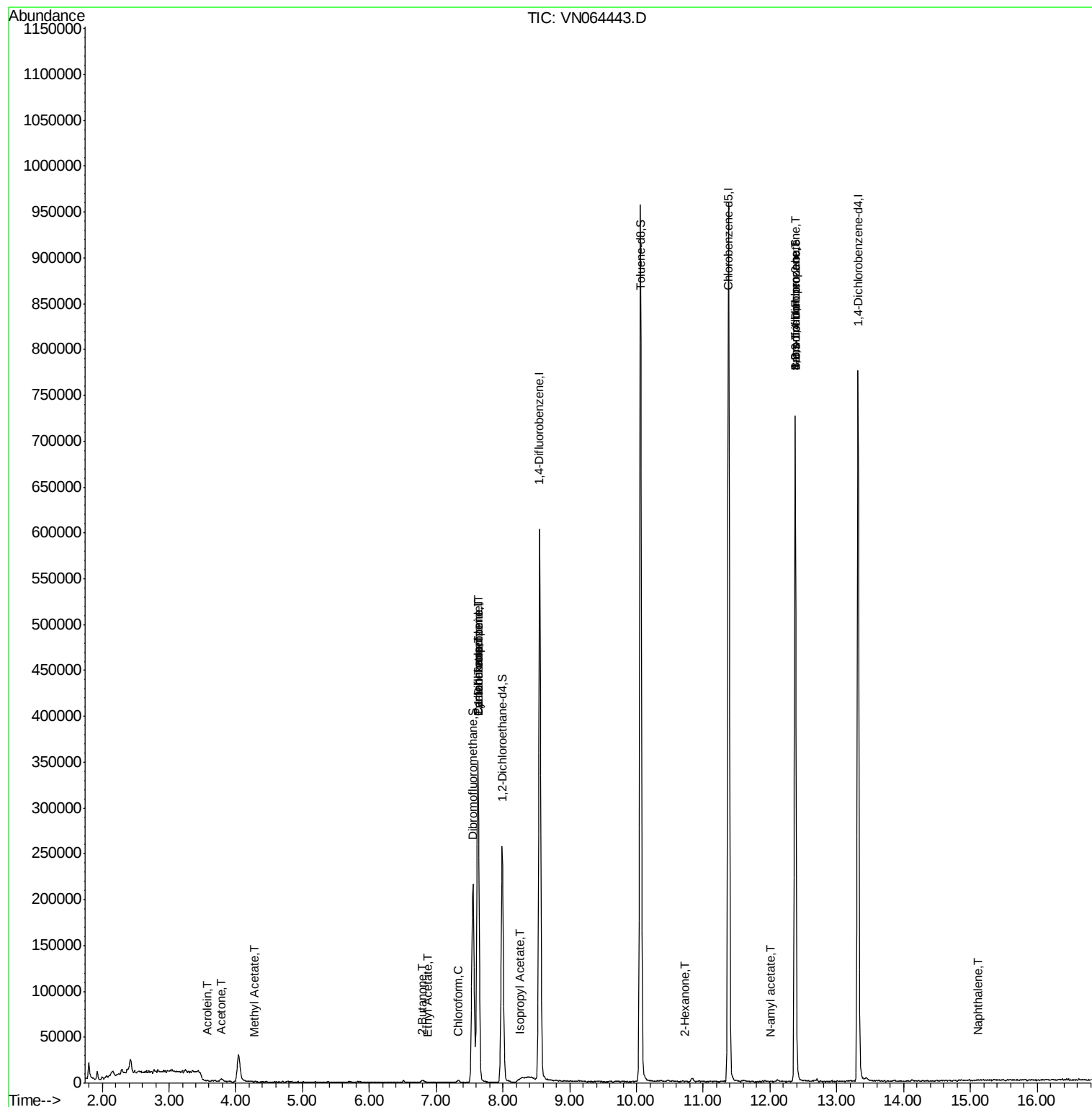
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.58	56	371	1.245	ug/l #	82
16) Acetone	3.78	43	4990	3.007	ug/l	94
18) Methyl Acetate	4.28	43	672	0.206	ug/l #	64
25) 2-Butanone	6.80	43	874	0.413	ug/l #	78
30) Chloroform	7.33	83	2087	0.325	ug/l #	78
31) Cyclohexane	7.62	56	6844	1.292	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	24545	4.673	ug/l #	52
37) Ethyl Acetate	6.87	43	179	0.795	ug/l #	71
38) Carbon Tetrachloride	7.63	117	28745	5.121	ug/l #	17
43) Isopropyl Acetate	8.25	43	2855	0.335	ug/l #	64
59) 2-Hexanone	10.72	43	456	4.139	ug/l #	28
71) Bromoform	12.37	173	532	1.438	ug/l #	1
74) N-amyl acetate	12.01	43	259	1.249	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	138737	29.932	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	138737	83.573	ug/l #	8
95) Naphthalene	15.11	128	1119	3.722	ug/l #	69

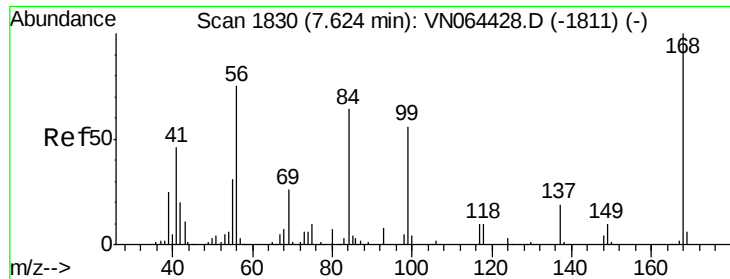
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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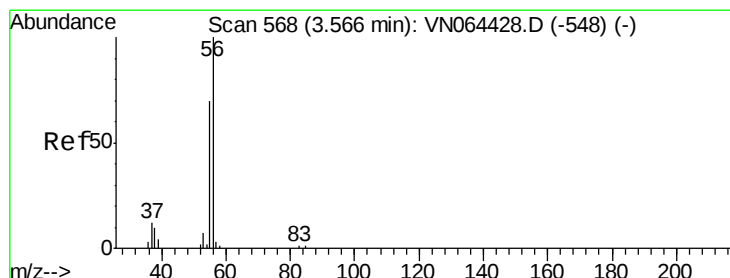
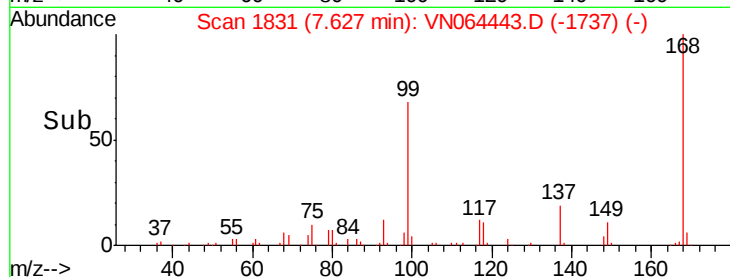
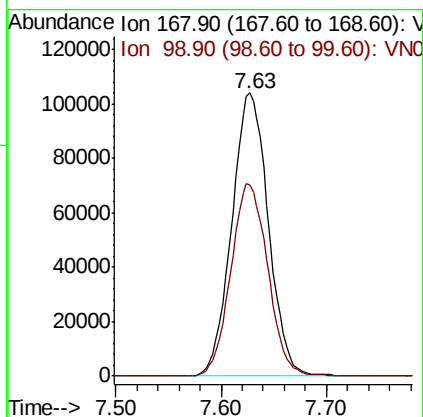
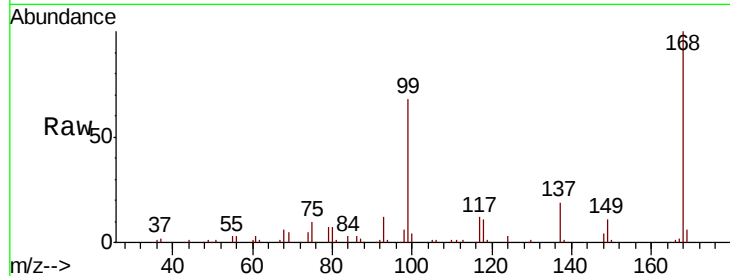




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

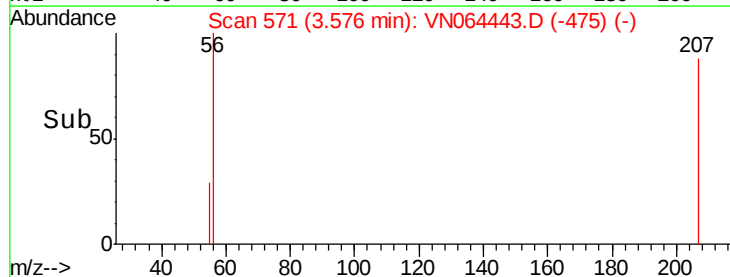
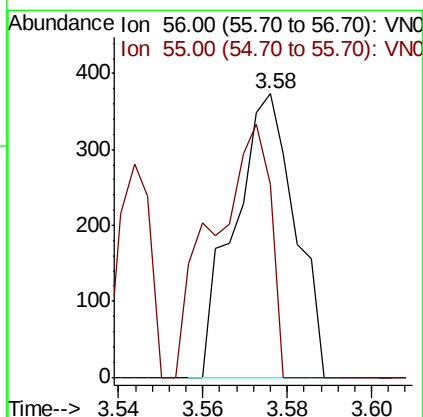
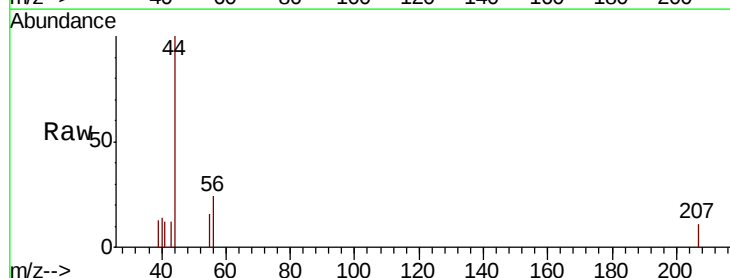
Instrument :
MSVOA_N
ClientSampleId :

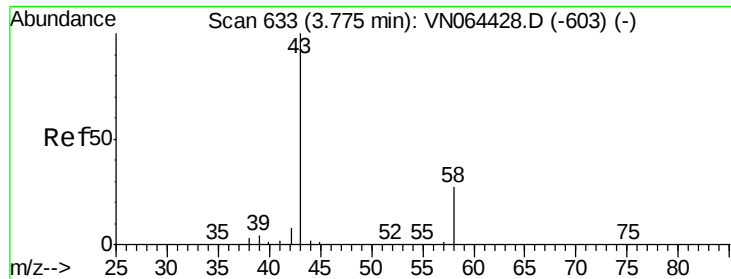
Tot Ion:168 Resp: 250123
Ion Ratio Lower Upper
168 100
99 67.6 53.4 80.2



#13
Acrolein
Concen: 1.245 ug/l
RT: 3.58 min Scan# 571
Delta R.T. 0.01 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 84.4 55.9 83.9#

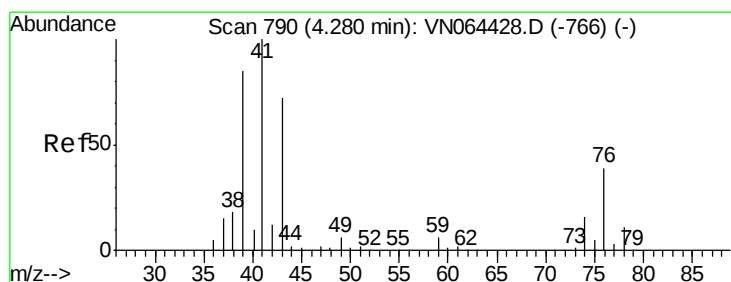
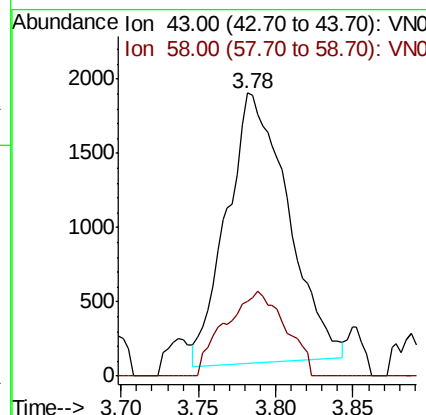
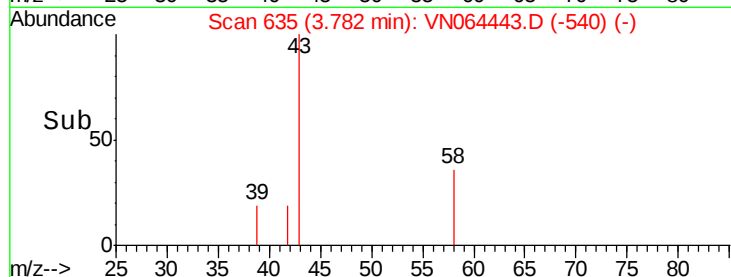
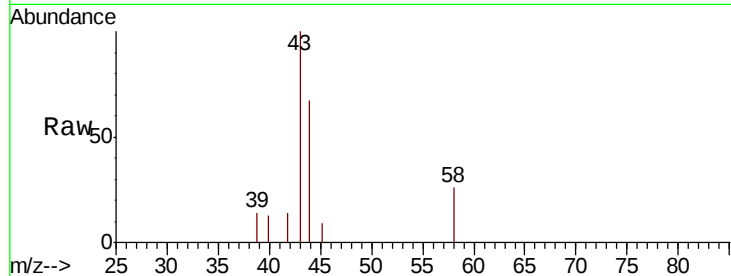




#16
Acetone
Concen: 3.007 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

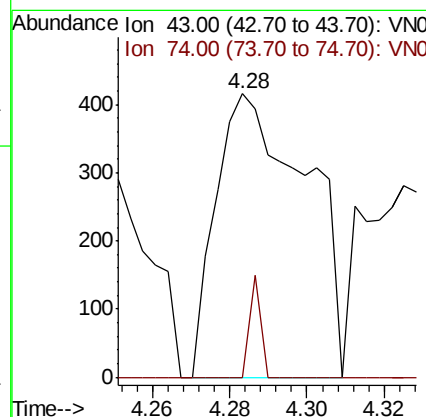
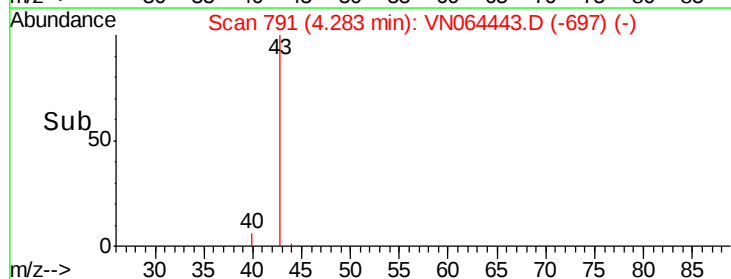
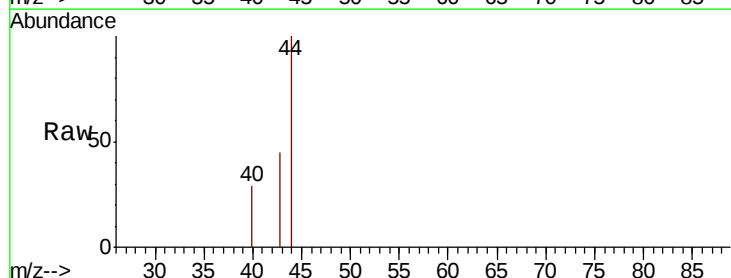
Instrument :
MSVOA_N
ClientSampled :

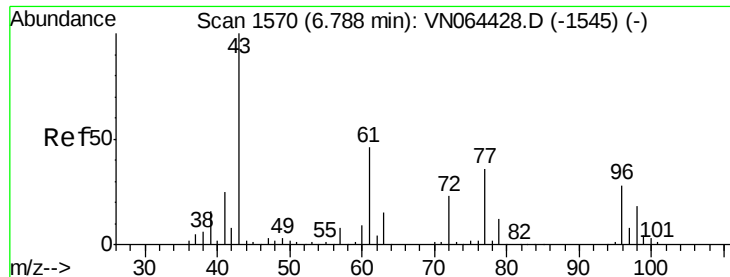
Tot Ion: 43 Resp: 4990
Ion Ratio Lower Upper
43 100
58 29.6 21.4 32.0



#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
74 4.3 17.0 25.4#





#25

2-Butanone

Concen: 0.413 ug/l

RT: 6.80 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

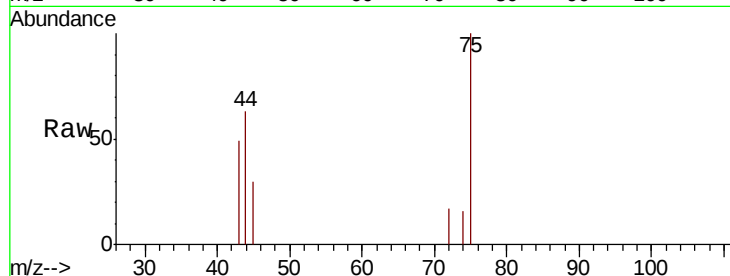
ClientSampled :

Tot Ion: 43 Resp: 874

Ion Ratio Lower Upper

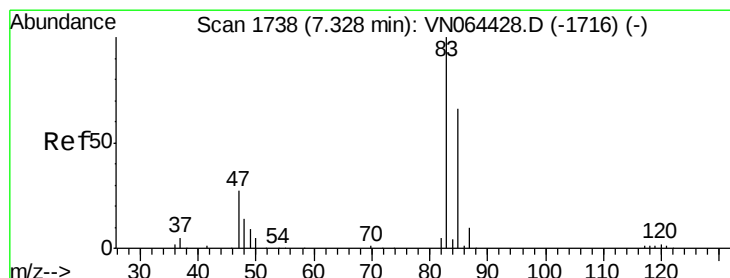
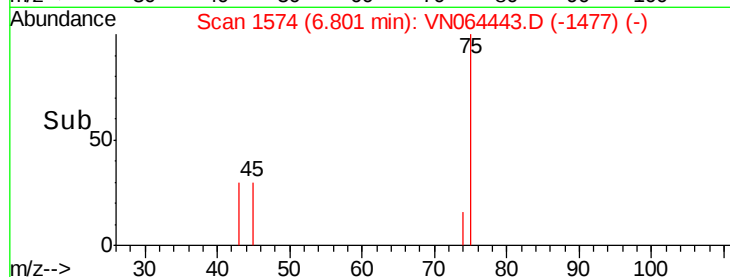
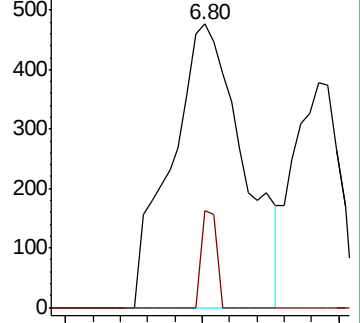
43 100

72 34.0 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#30

Chloroform

Concen: 0.325 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064443.D

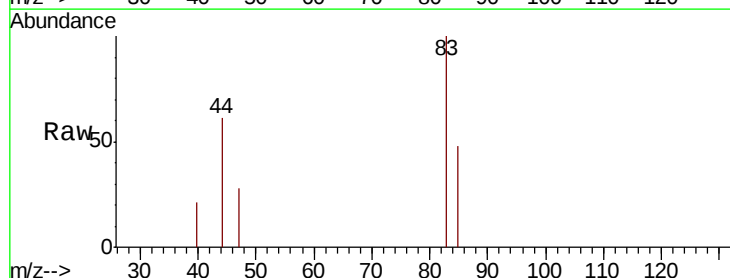
Acq: 4 Nov 2020 18:01

Tgt Ion: 83 Resp: 2087

Ion Ratio Lower Upper

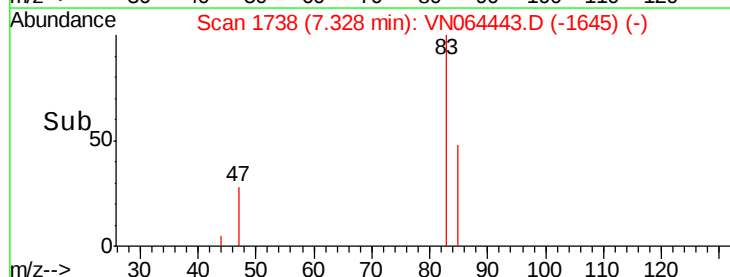
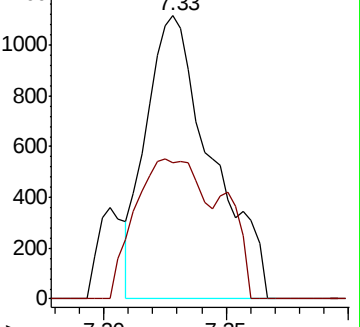
83 100

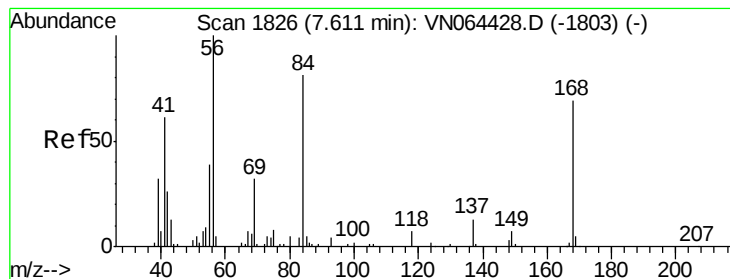
85 48.1 52.5 78.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.292 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampled :

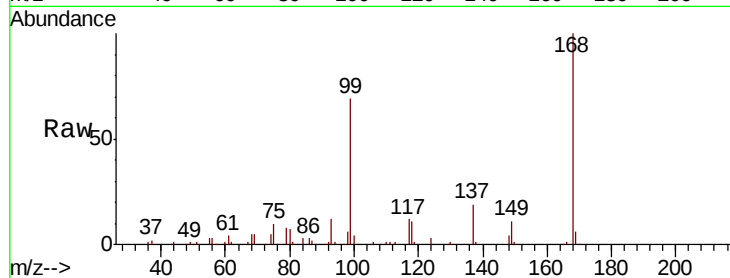
Tot Ion: 56 Resp: 6844

Ion Ratio Lower Upper

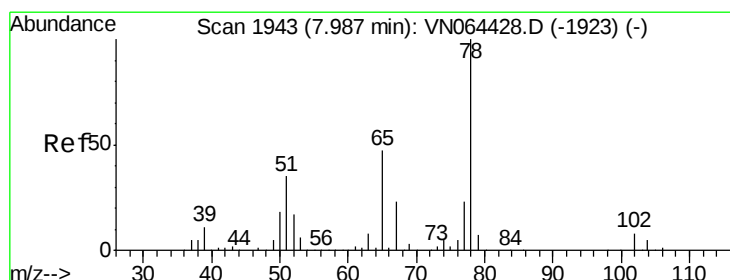
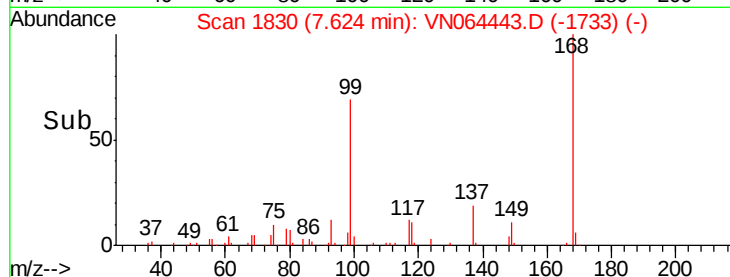
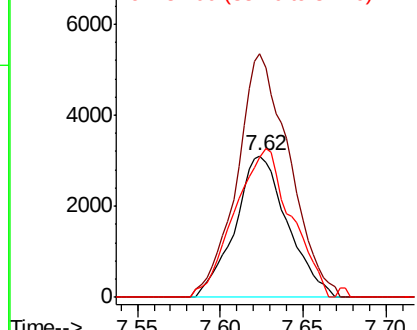
56 100

69 171.9 25.6 38.4#

84 98.8 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: 53.979 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064443.D

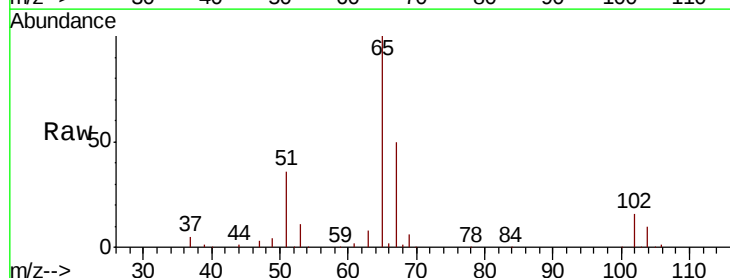
Acq: 4 Nov 2020 18:01

Tgt Ion: 65 Resp: 235174

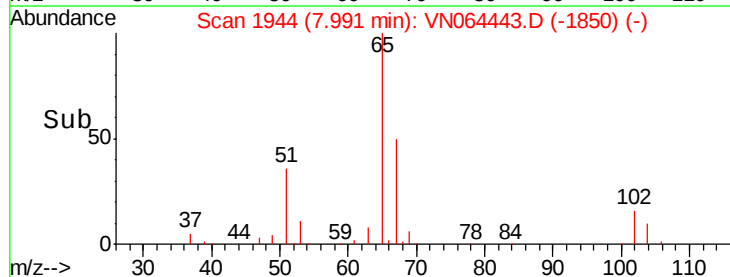
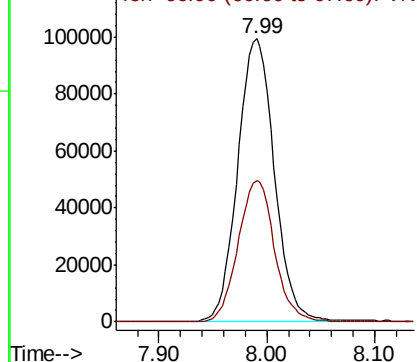
Ion Ratio Lower Upper

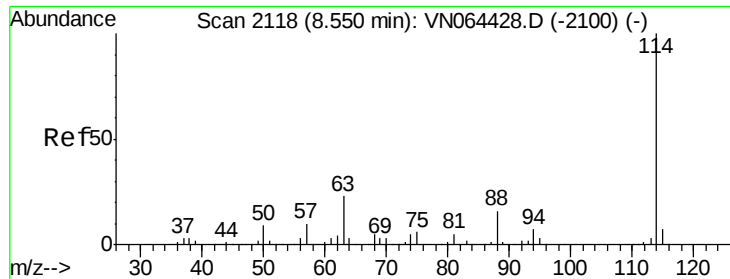
65 100

67 49.6 0.0 101.6



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

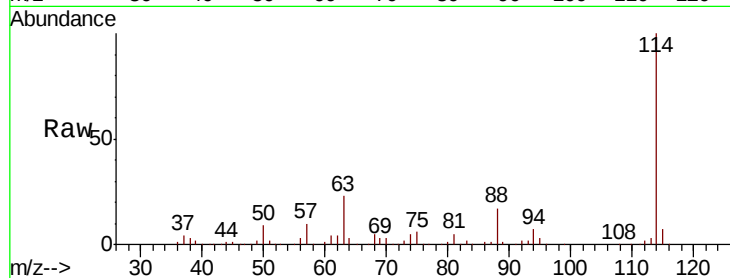




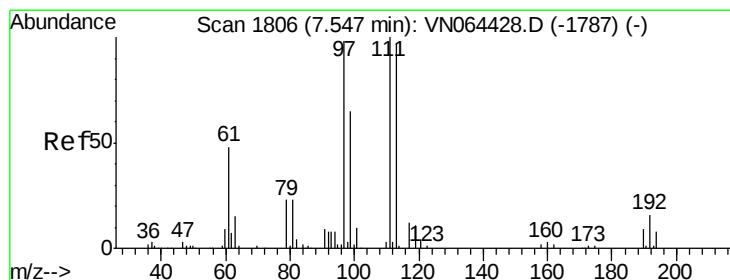
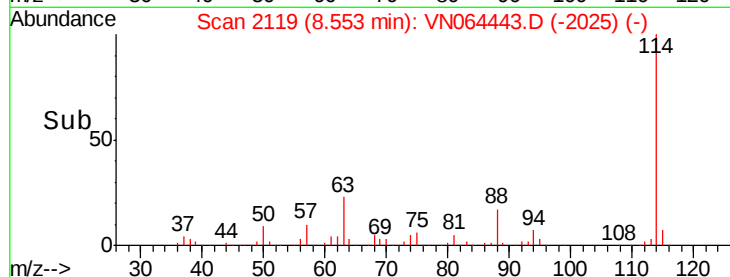
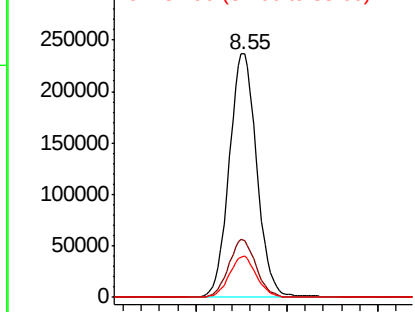
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 497166
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.6
 88 16.8 0.0 32.8

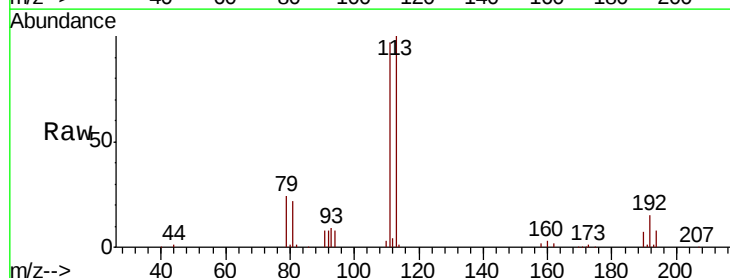


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

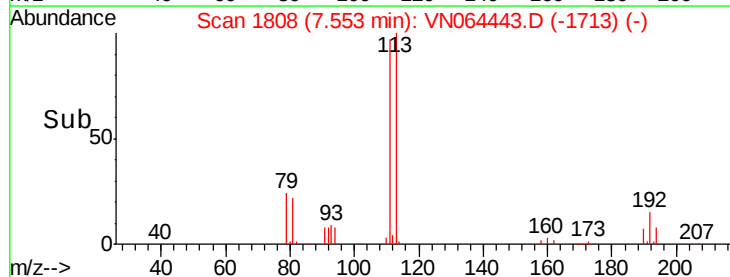
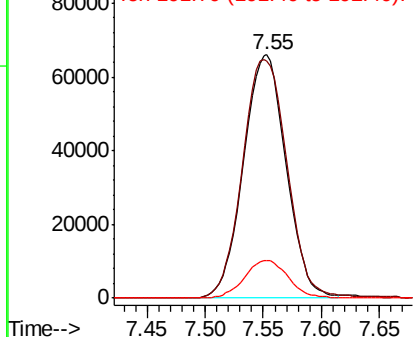


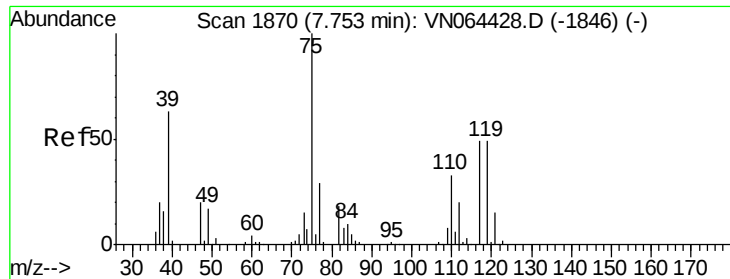
#35
 Dibromofluoromethane
 Concen: 49.964 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

Tgt Ion:113 Resp: 169128
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.1 121.7
 192 15.8 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

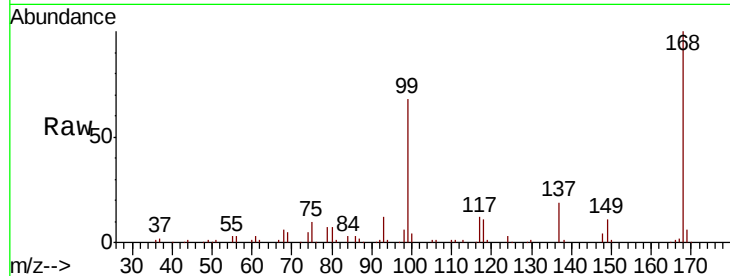




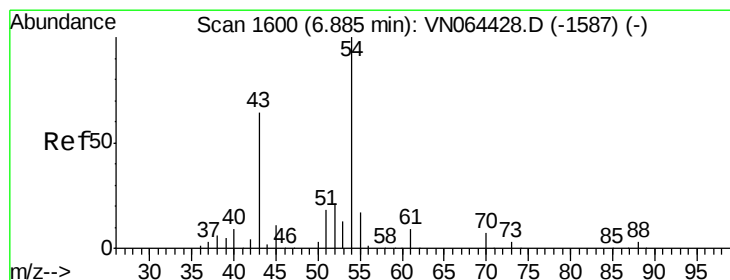
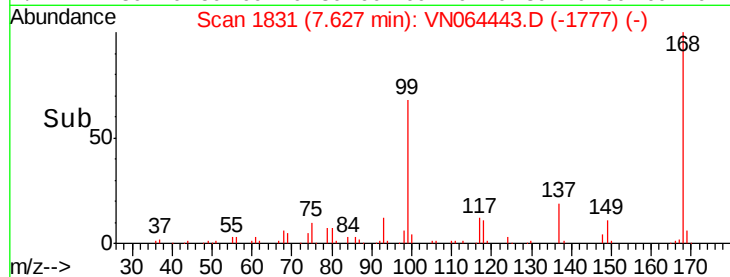
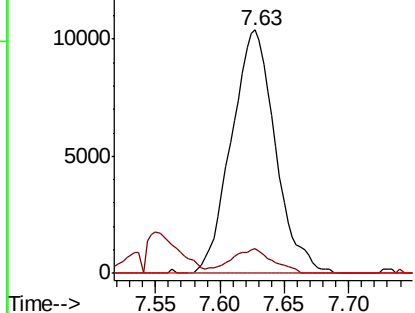
#36
 1,1-Dichloropropene
 Concen: 4.673 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 24545
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.0 48.0#
 77 0.0 24.0 36.0#

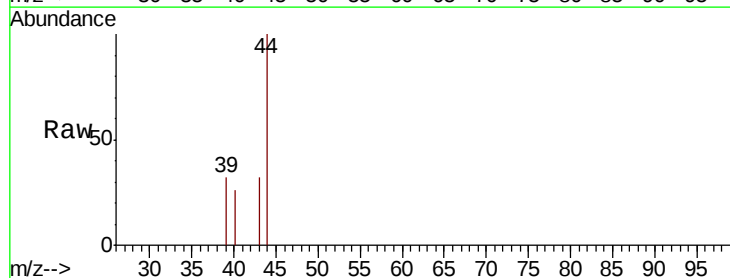


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO

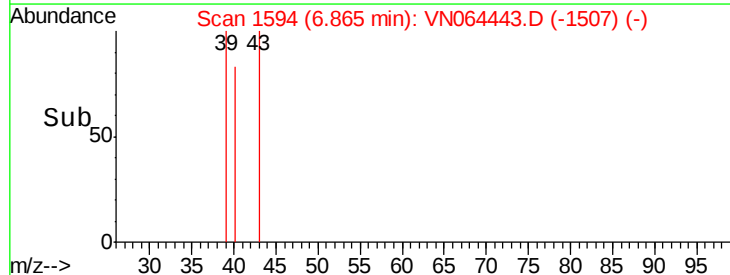
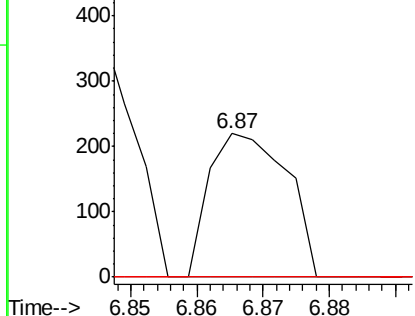


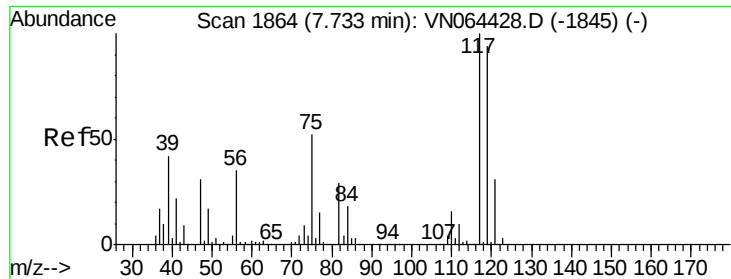
#37
 Ethyl Acetate
 Concen: 0.795 ug/l
 RT: 6.87 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: VN064443.D
 Acq: 4 Nov 2020 18:01

Tgt Ion: 43 Resp: 179
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.0 15.0#
 70 0.0 7.1 10.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 60.90 (60.60 to 61.60): VNO
 Ion 70.00 (69.70 to 70.70): VNO

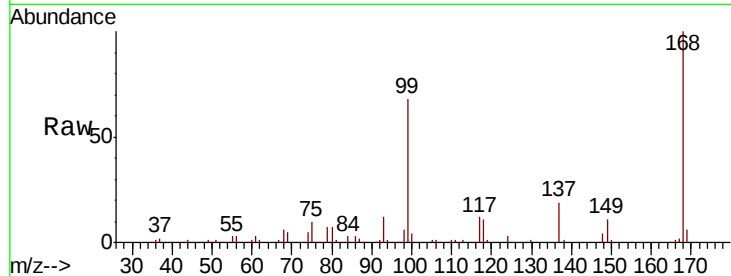




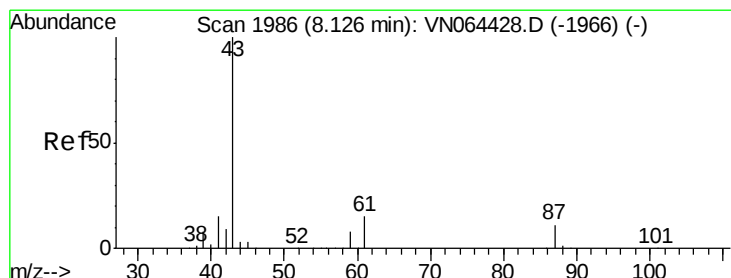
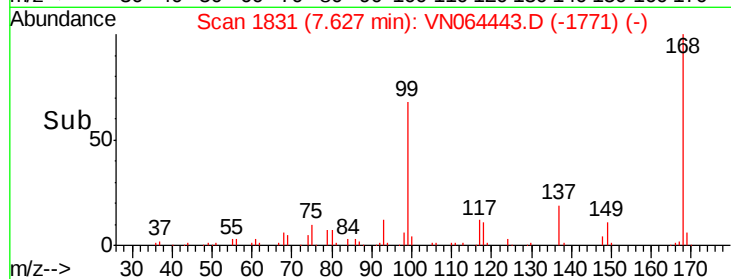
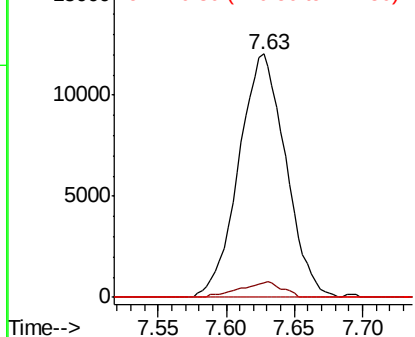
#38
Carbon Tetrachloride
Concen: 5.121 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 28745
Ion Ratio Lower Upper
117 100
119 6.0 75.5 113.3#
121 0.0 24.4 36.6#

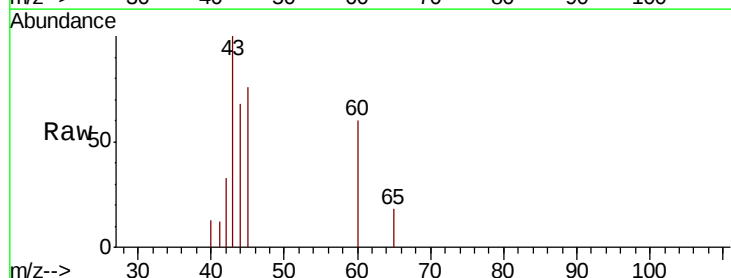


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

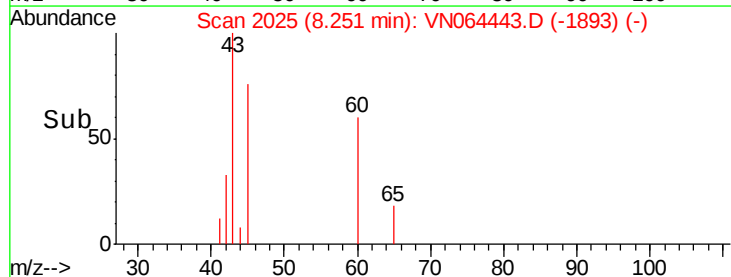
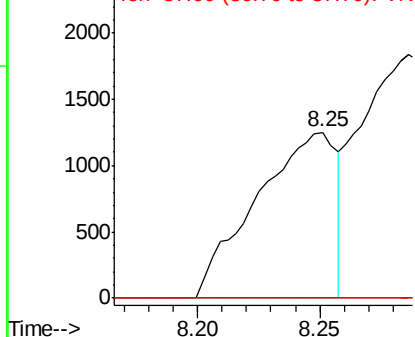


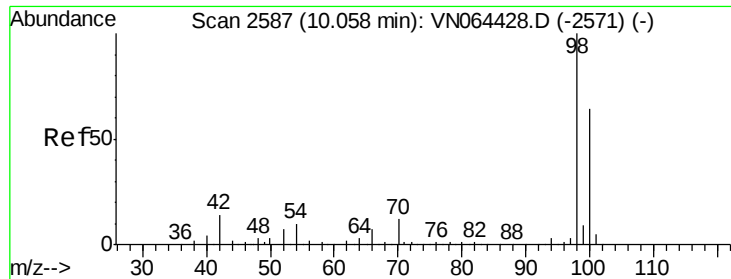
#43
Isopropyl Acetate
Concen: 0.335 ug/l
RT: 8.25 min Scan# 2025
Delta R.T. 0.13 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 43 Resp: 2855
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): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

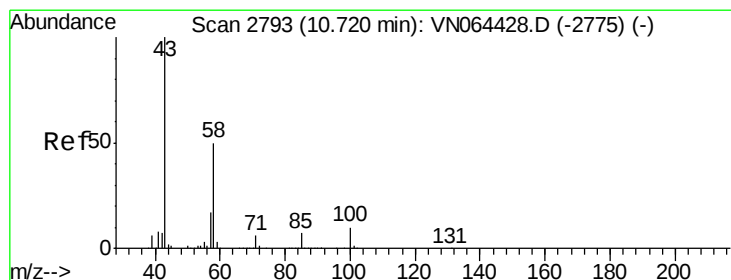
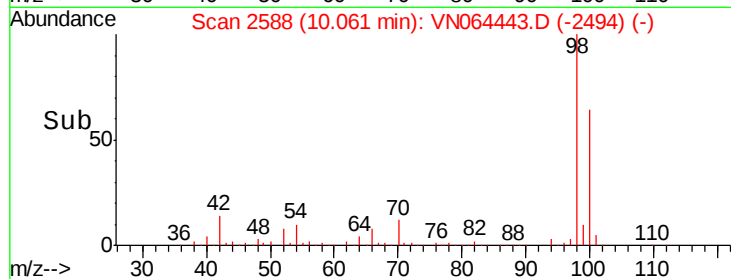
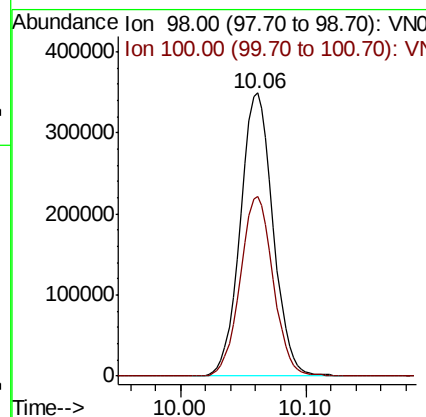
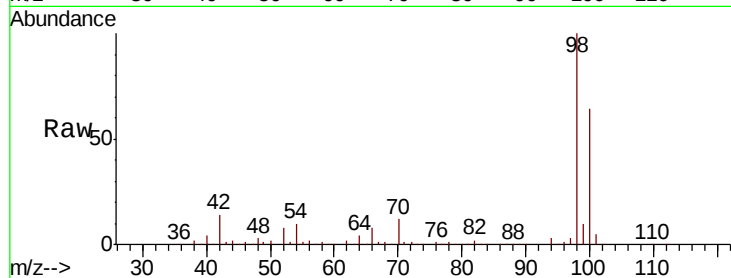




#50
Toluene-d8
Concen: 48.384 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

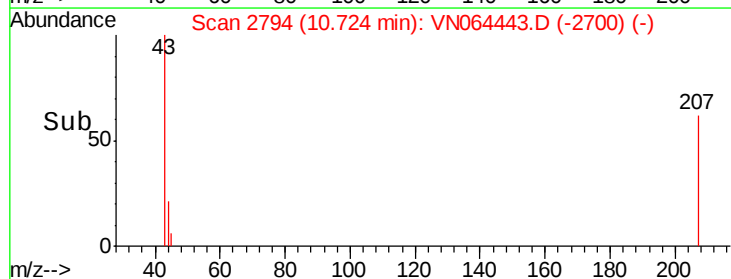
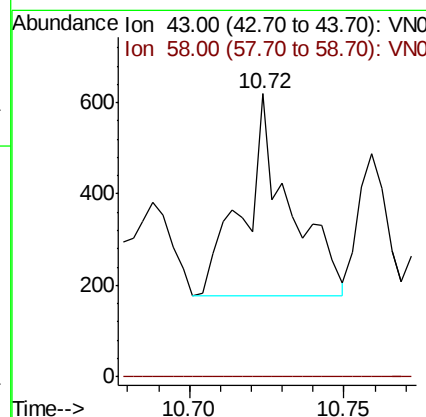
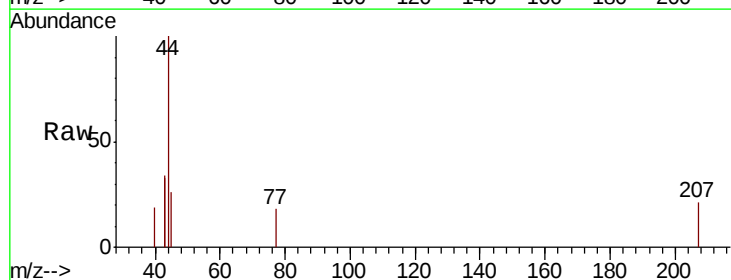
Instrument :
MSVOA_N
ClientSampleId :

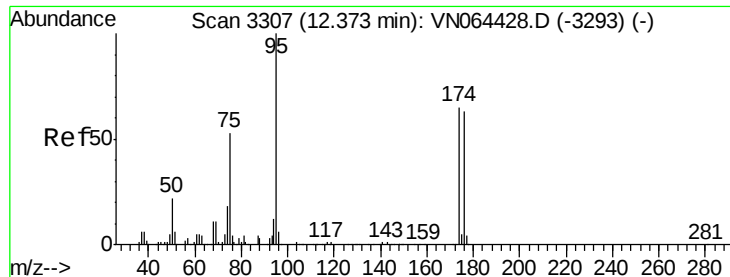
Tot Ion: 98 Resp: 633007
Ion Ratio Lower Upper
98 100
100 64.0 50.7 76.1



#59
2-Hexanone
Concen: 4.139 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 0.0 24.7 74.1#

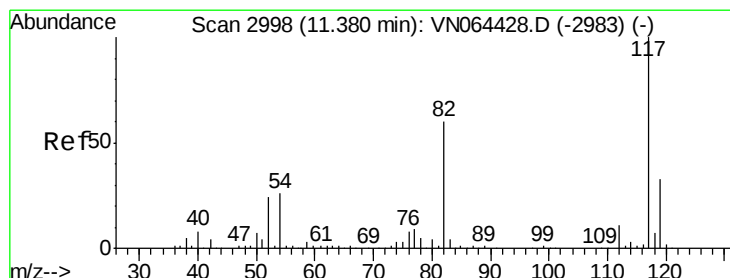
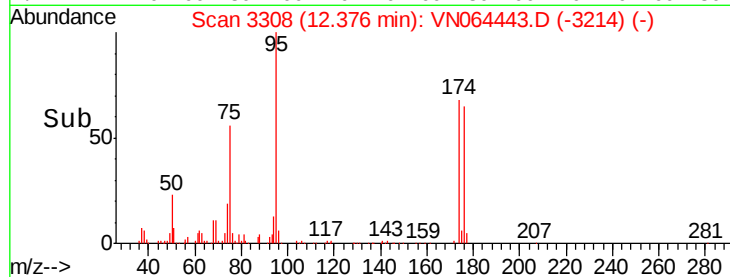
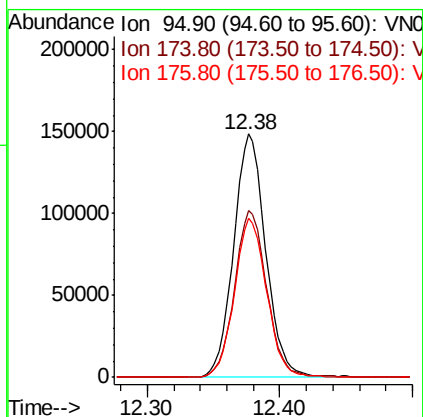
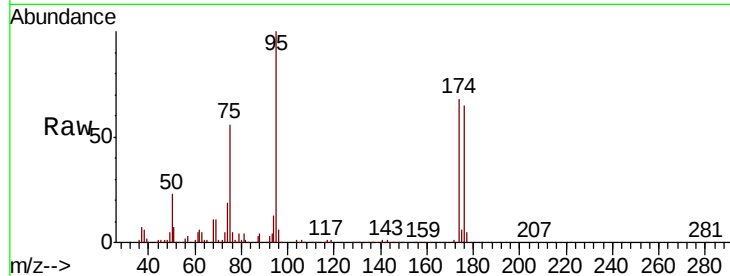




#62
4-Bromofluorobenzene
Concen: 50.442 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

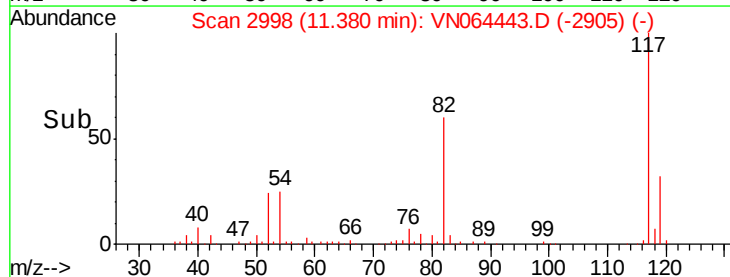
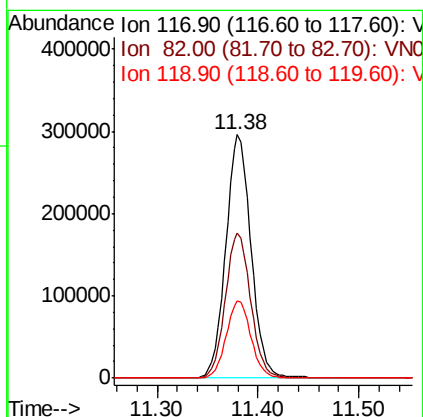
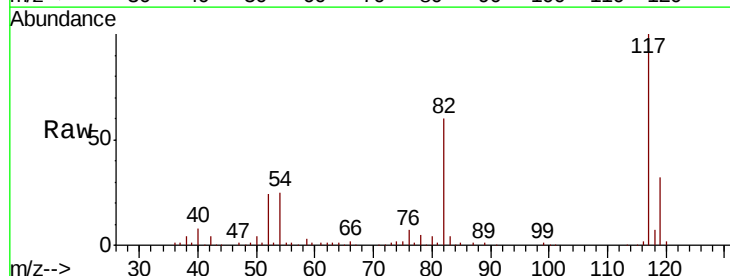
Instrument :
MSVOA_N
ClientSampleId :

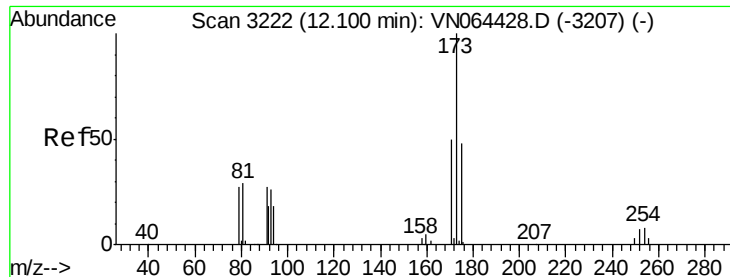
Tot Ion: 95 Resp: 249580
Ion Ratio Lower Upper
95 100
174 68.9 0.0 132.6
176 65.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064443.D
Acq: 4 Nov 2020 18:01

Tgt Ion: 117 Resp: 518530
Ion Ratio Lower Upper
117 100
82 59.5 48.1 72.1
119 31.7 26.2 39.4





#71

Bromoform

Concen: 1.438 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampled :

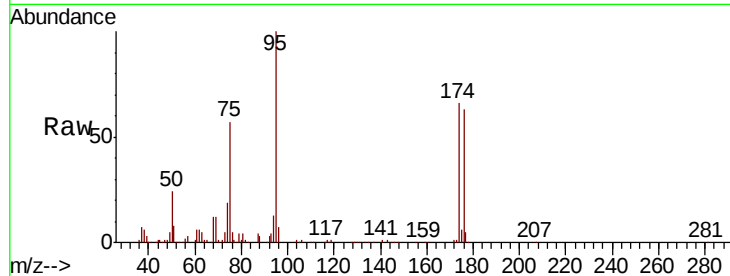
Tot Ion:173 Resp: 532

Ion Ratio Lower Upper

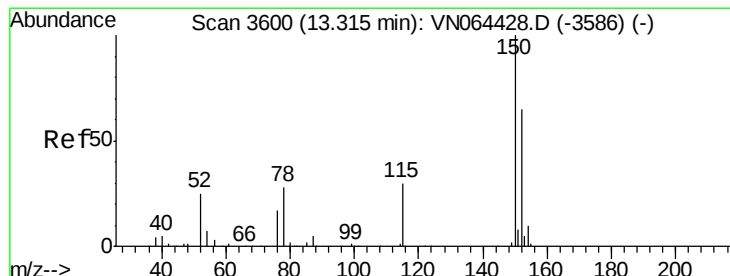
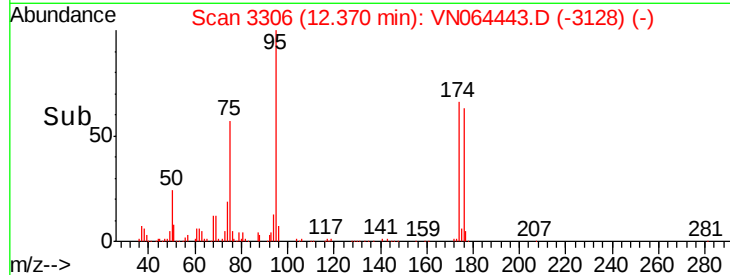
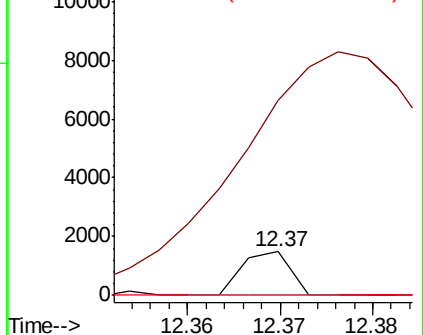
173 100

175 2099.6 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: VN064443.D

Acq: 4 Nov 2020 18:01

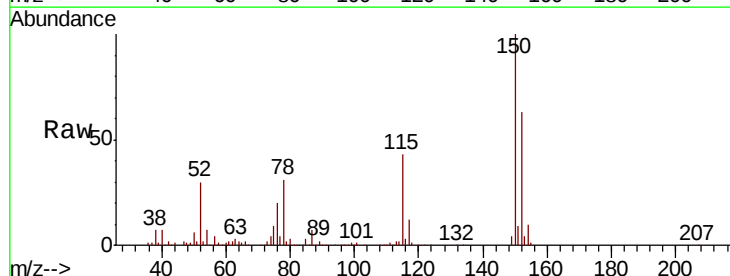
Tgt Ion:152 Resp: 191303

Ion Ratio Lower Upper

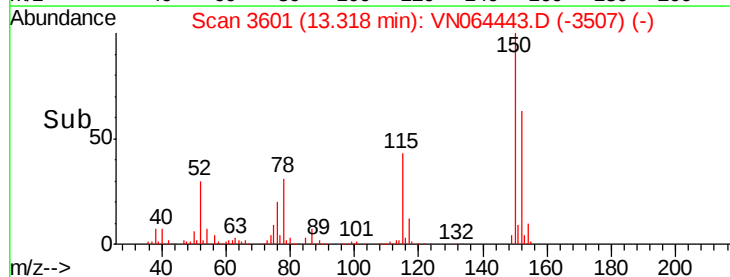
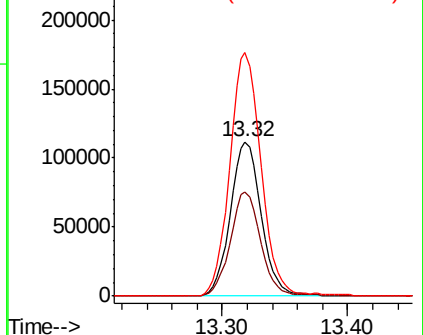
152 100

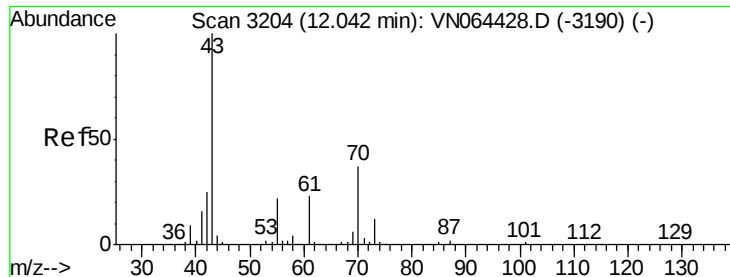
115 66.6 32.0 96.0

150 159.9 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: 1.249 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 259

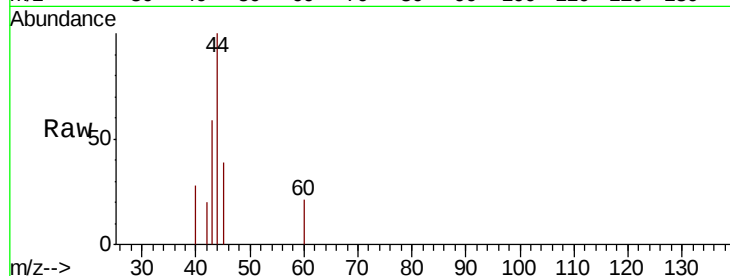
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

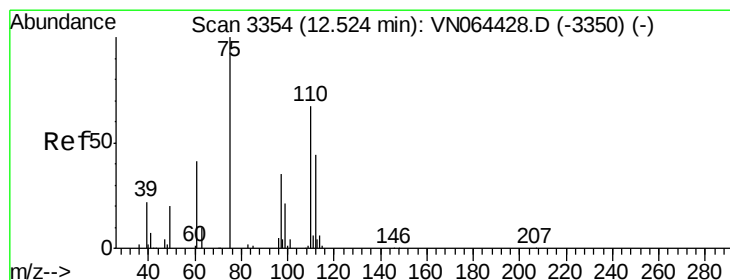
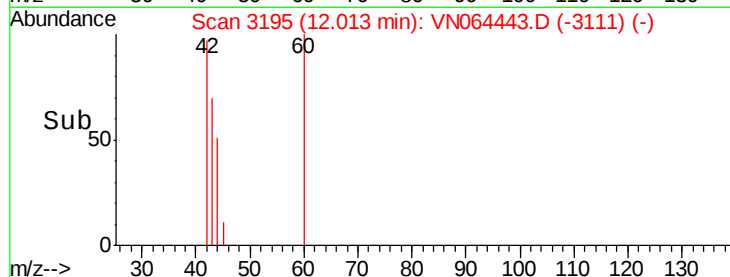
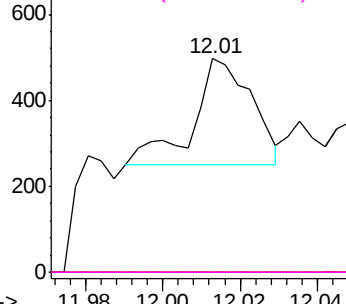


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 29.932 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064443.D

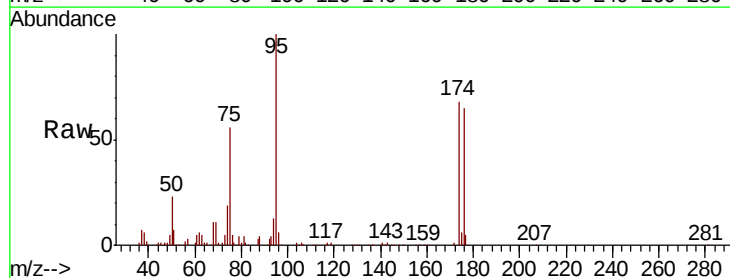
Acq: 4 Nov 2020 18:01

Tgt Ion: 75 Resp: 138737

Ion Ratio Lower Upper

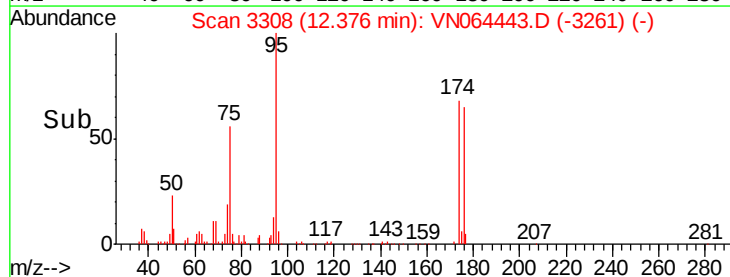
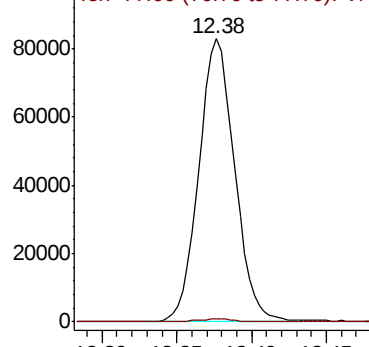
75 100

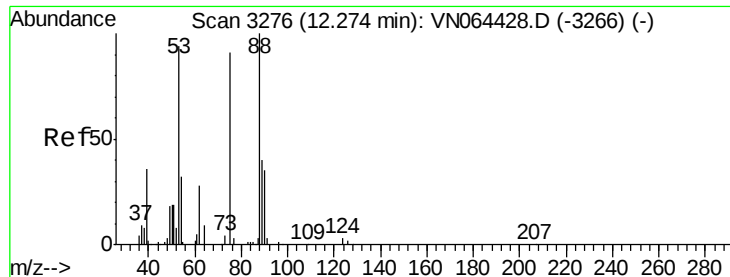
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 83.573 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

Instrument :

MSVOA_N

ClientSampleId :

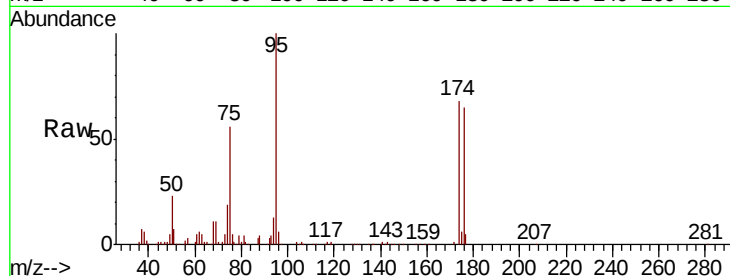
Tot Ion: 75 Resp: 138737

Ion Ratio Lower Upper

75 100

53 0.2 84.0 126.0#

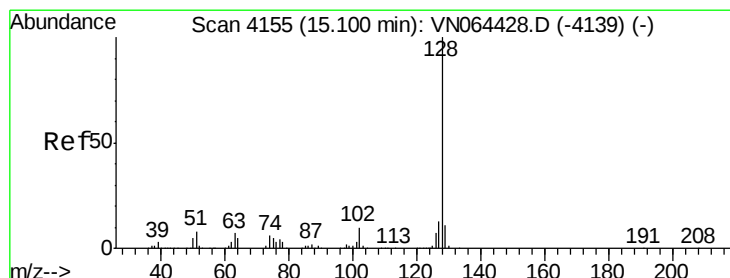
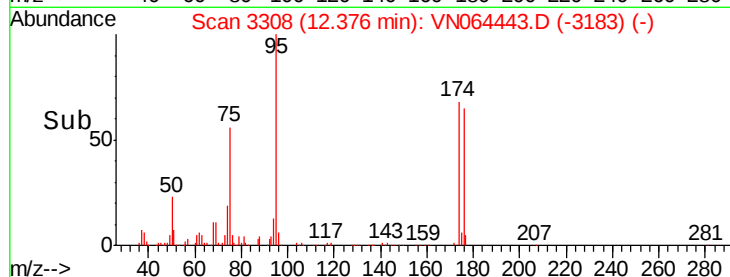
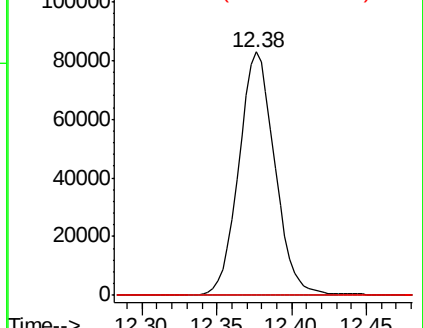
89 0.0 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VN064428.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064428.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064428.D (-3266) (-)



#95

Naphthalene

Concen: 3.722 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN064443.D

Acq: 4 Nov 2020 18:01

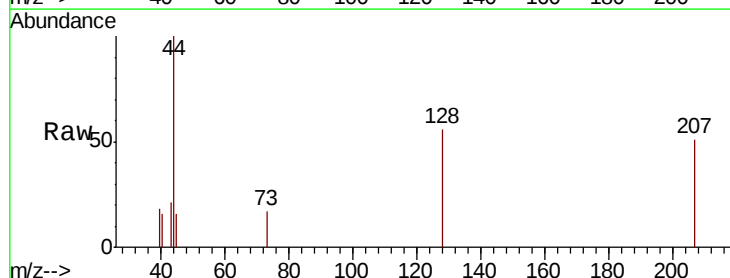
Tgt Ion:128 Resp: 1119

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): VN064428.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN064428.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN064428.D (-4139) (-)

