

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064737.D
 Acq On : 19 Nov 2020 16:50
 Operator : JC/MD
 Sample : L4783-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Nov 20 03:50:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	208554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	449858	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	185749	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	208407	56.81	ug/l	0.00
Spiked Amount			Recovery	=	113.62%	
35) Dibromofluoromethane	7.55	113	134987	56.40	ug/l	0.00
Spiked Amount			Recovery	=	112.80%	
50) Toluene-d8	10.06	98	552783	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.38	95	217532	53.50	ug/l	0.00
Spiked Amount			Recovery	=	107.00%	

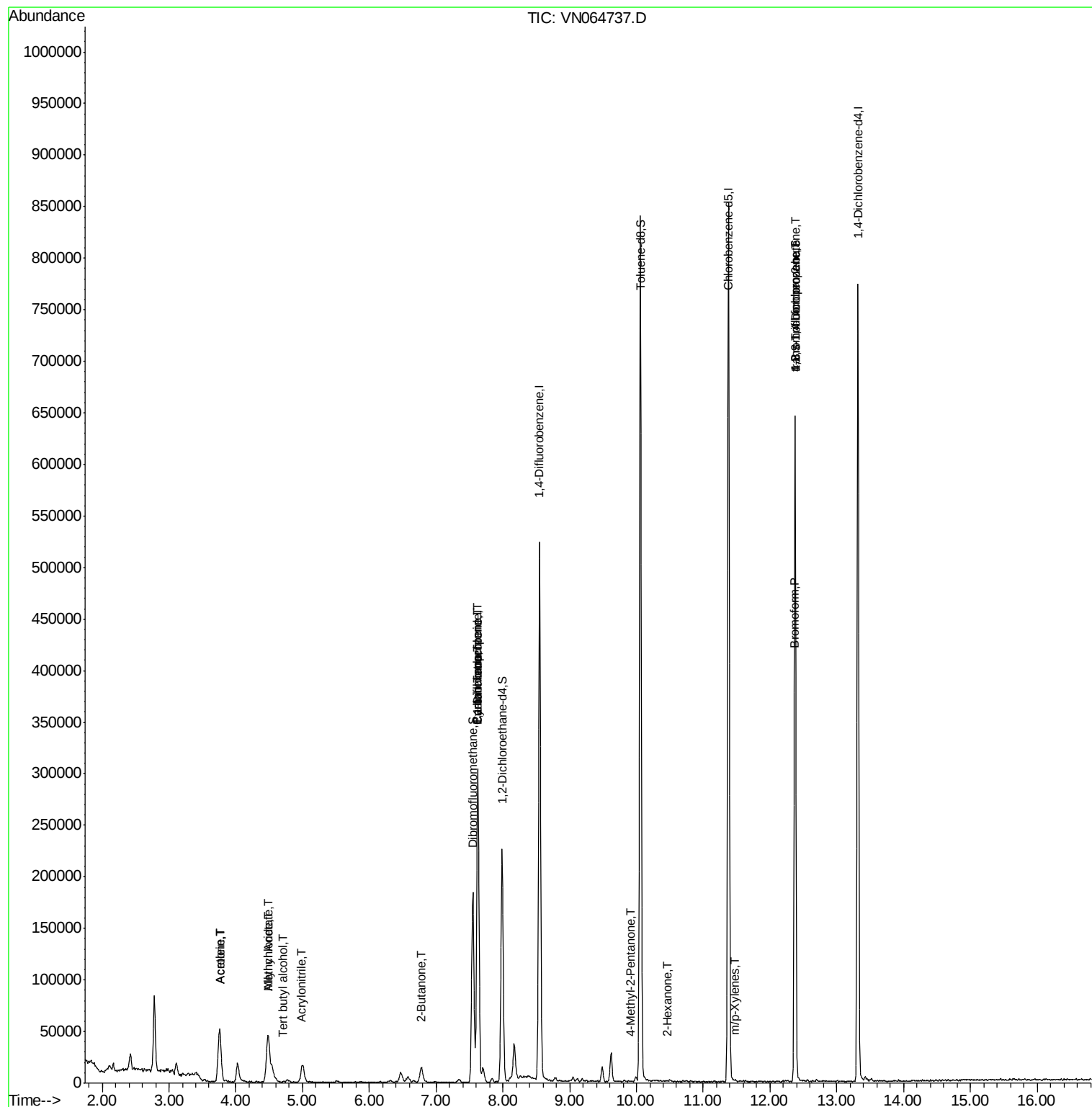
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	315	0.885	ug/l #	70
13) Acrolein	3.76	56	10726	128.714	ug/l #	79
14) Allyl chloride	4.48	41	24096	6.259	ug/l #	58
15) Acrylonitrile	4.97	53	248	0.237	ug/l #	23
16) Acetone	3.75	43	34043	42.639	ug/l #	62
18) Methyl Acetate	4.49	43	47846	18.632	ug/l #	54
25) 2-Butanone	6.78	43	1768	1.260	ug/l #	51
31) Cyclohexane	7.62	56	7581	1.911	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	21347	4.935	ug/l #	52
38) Carbon Tetrachloride	7.63	117	24392	5.306	ug/l #	18
51) 4-Methyl-2-Pentanone	9.92	43	166	6.168	ug/l #	39
59) 2-Hexanone	10.46	43	97	8.470	ug/l	79
68) m/p-Xylenes	11.48	106	64	4.071	ug/l #	1
71) Bromoform	12.35	173	104	2.482	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	123153	30.771	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	123153	78.401	ug/l #	5

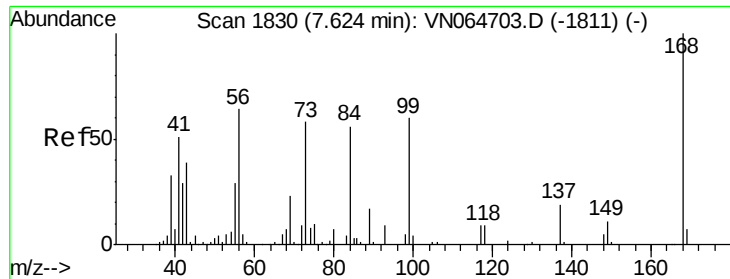
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 18 15:29:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

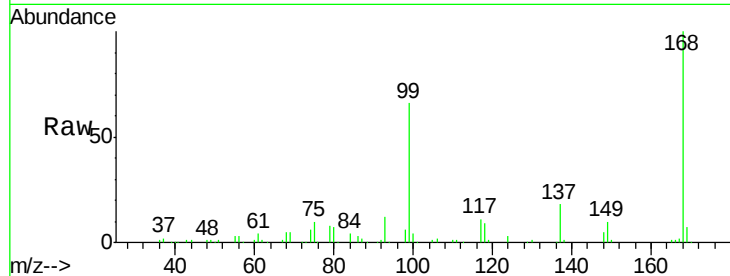
MW-2

Tot Ion:168 Resp: 208554

Ion Ratio Lower Upper

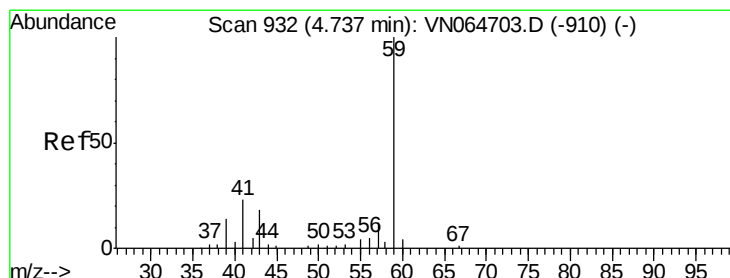
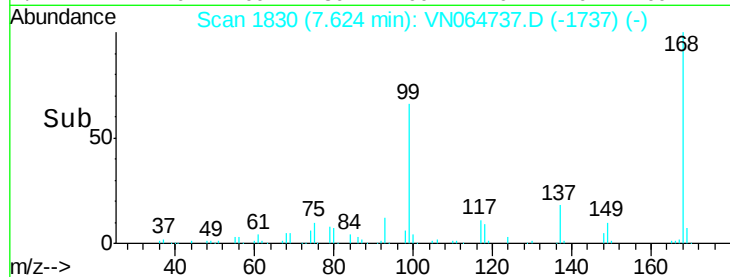
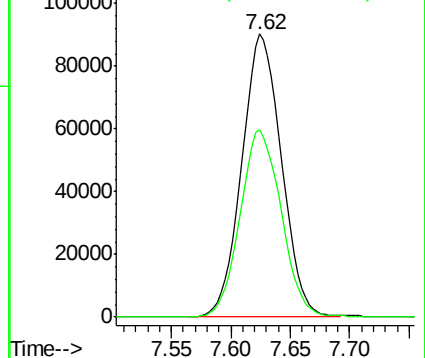
168 100

99 66.2 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): VN064737.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN064737.D (-1737) (-)



#11

Tert butyl alcohol

Concen: 0.885 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.02 min

Lab File: VN064737.D

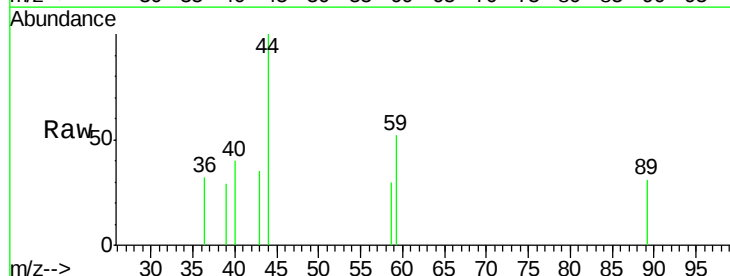
Acq: 19 Nov 2020 16:50

Tgt Ion: 59 Resp: 315

Ion Ratio Lower Upper

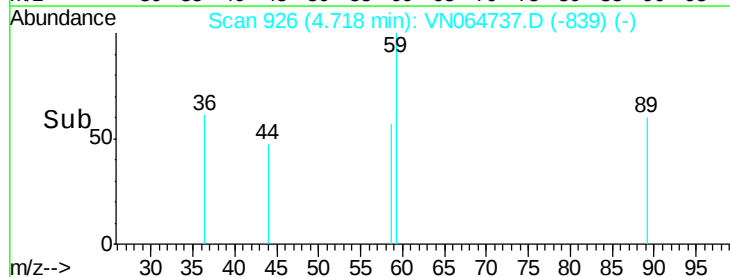
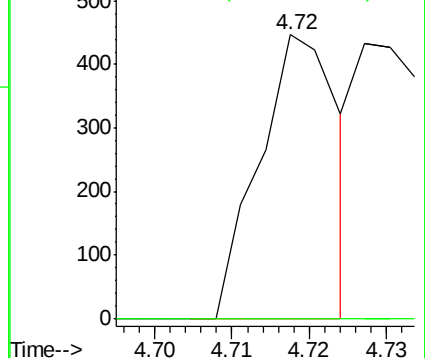
59 100

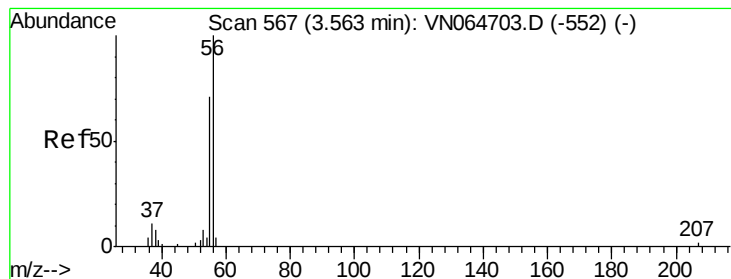
57 0.0 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN064737.D (-839) (-)

Ion 57.00 (56.70 to 57.70): VN064737.D (-839) (-)





#13

Acrolein

Concen: 128.714 ug/l

RT: 3.76 min Scan# 627

Delta R.T. 0.19 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampleId :

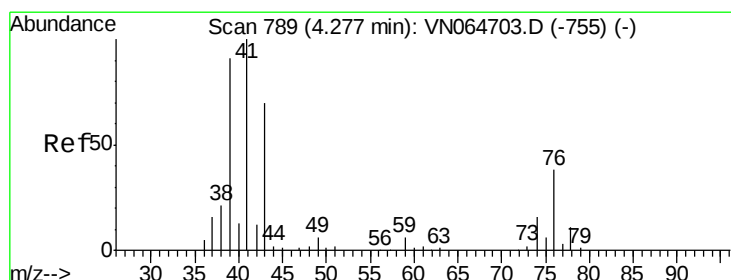
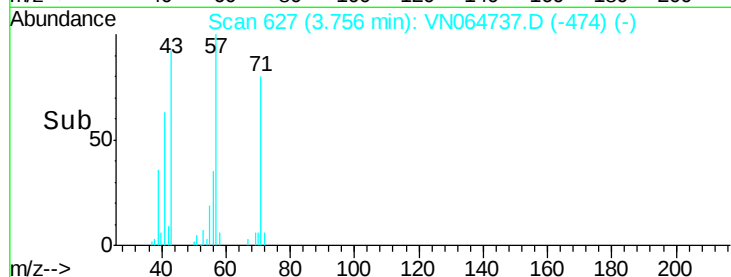
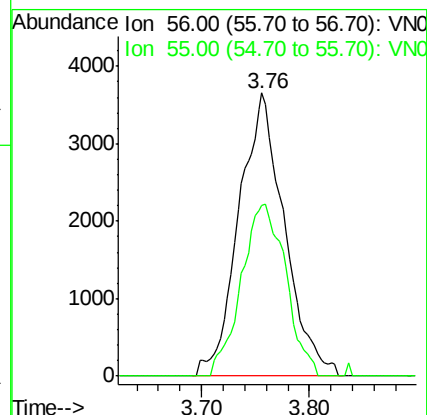
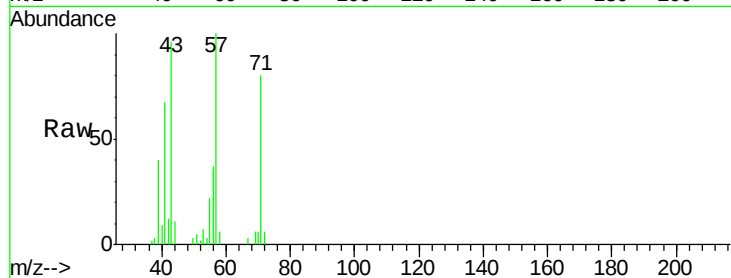
MW-2

Tot Ion: 56 Resp: 10726

Ion Ratio Lower Upper

56 100

55 59.2 61.8 92.6#



#14

Allyl chloride

Concen: 6.259 ug/l

RT: 4.48 min Scan# 853

Delta R.T. 0.21 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

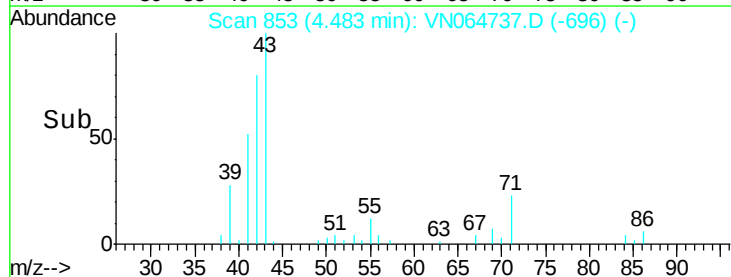
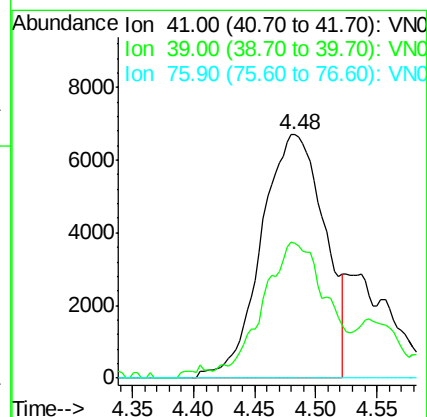
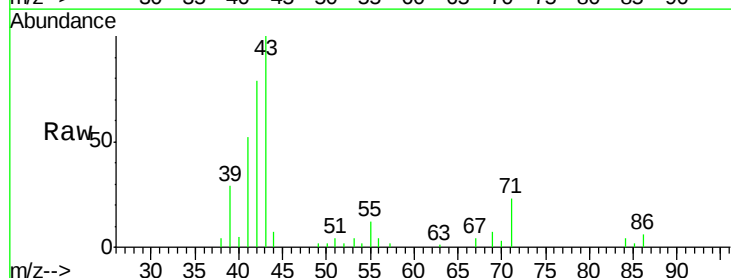
Tgt Ion: 41 Resp: 24096

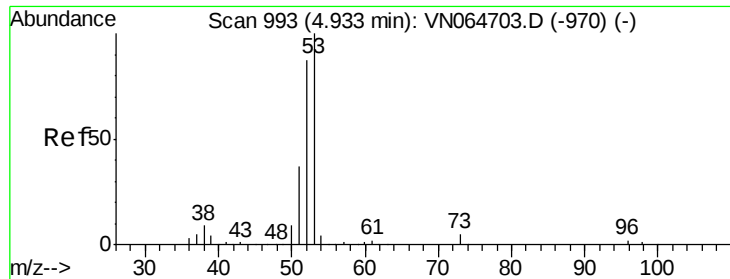
Ion Ratio Lower Upper

41 100

39 51.1 66.1 99.1#

76 0.0 26.6 40.0#





#15

Acrylonitrile

Concen: 0.237 ug/l

RT: 4.97 min Scan# 1006

Delta R.T. 0.04 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

MW-2

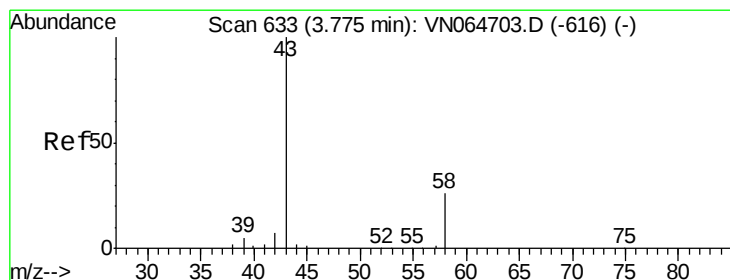
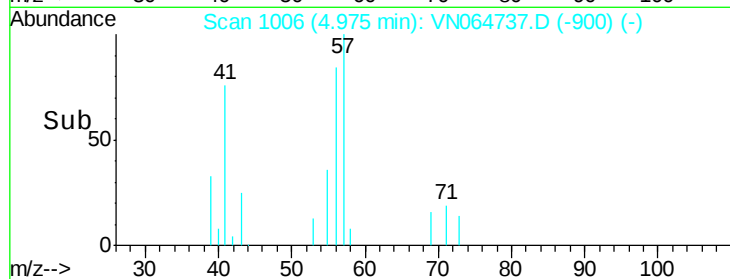
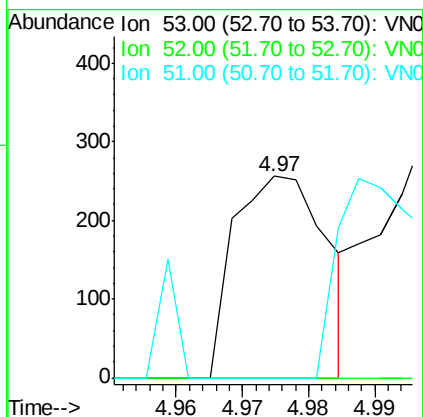
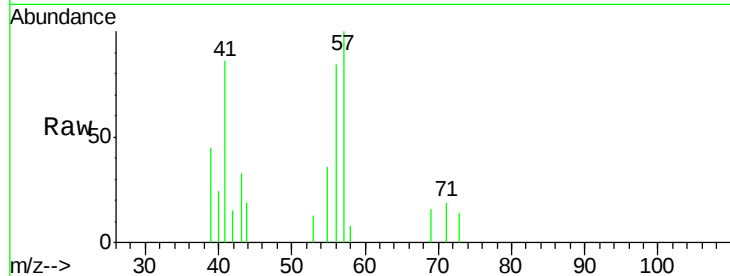
Tot Ion: 53 Resp: 248

Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 11.7 31.0 46.6#



#16

Acetone

Concen: 42.639 ug/l

RT: 3.75 min Scan# 626

Delta R.T. -0.02 min

Lab File: VN064737.D

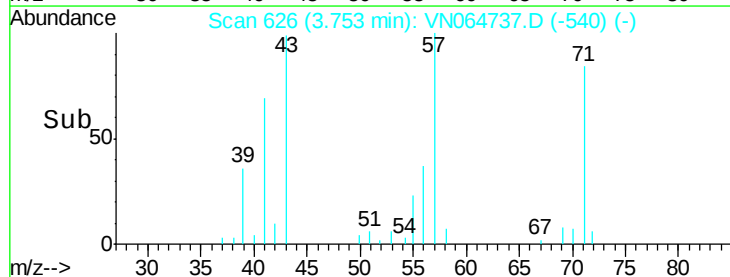
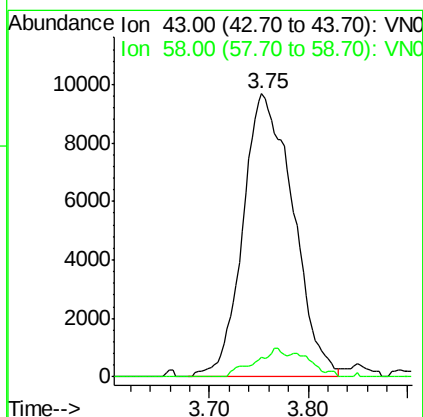
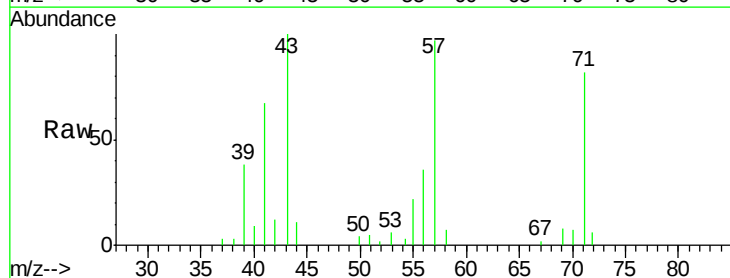
Acq: 19 Nov 2020 16:50

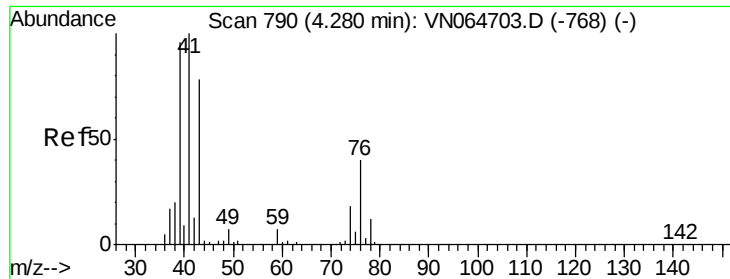
Tgt Ion: 43 Resp: 34043

Ion Ratio Lower Upper

43 100

58 6.9 21.2 31.8#

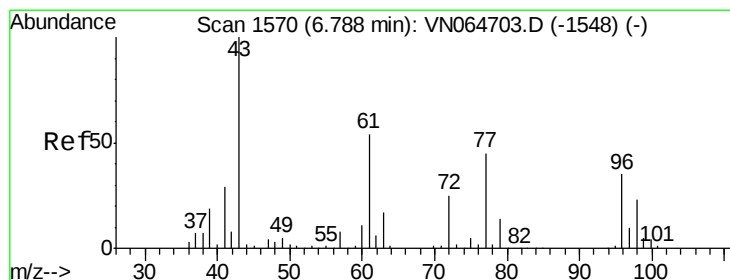
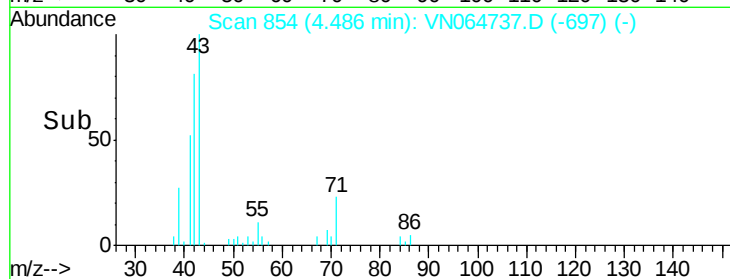
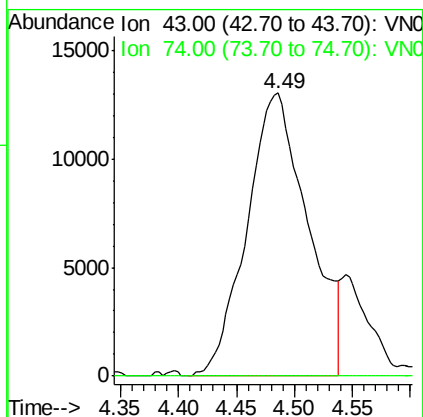
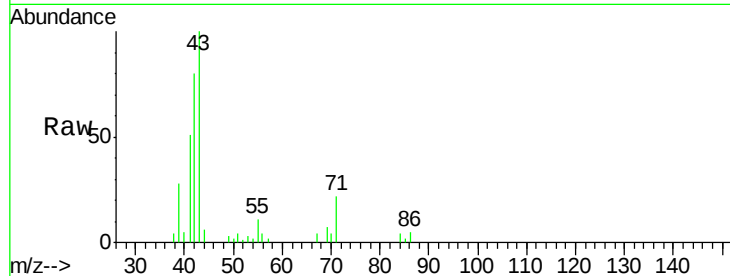




#18
Methyl Acetate
Concen: 18.632 ug/l
RT: 4.49 min Scan# 854
Delta R.T. 0.21 min
Lab File: VN064737.D
Acq: 19 Nov 2020 16:50

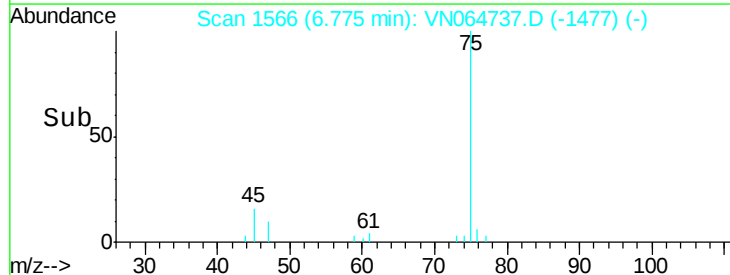
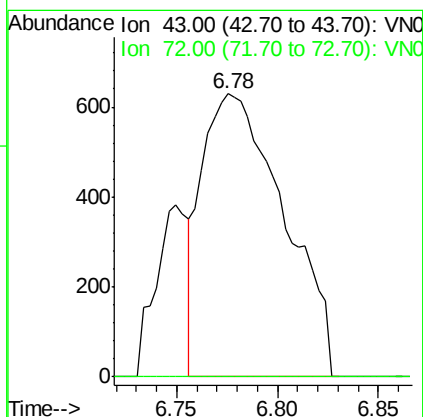
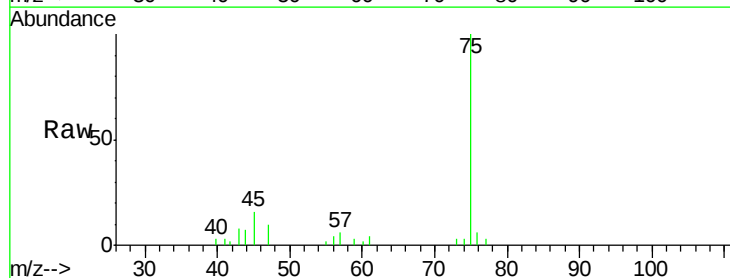
Instrument :
MSVOA_N
ClientSampled :
MW-2

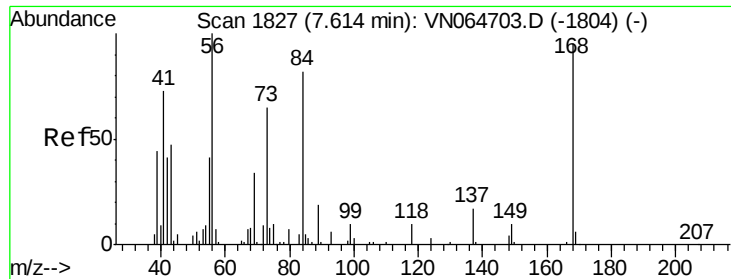
Tot Ion: 43 Resp: 47846
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#25
2-Butanone
Concen: 1.260 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN064737.D
Acq: 19 Nov 2020 16:50

Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#





#31

Cyclohexane

Concen: 1.911 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

MW-2

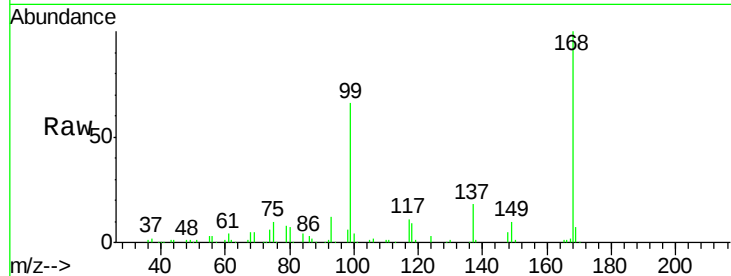
Tot Ion: 56 Resp: 7581

Ion Ratio Lower Upper

56 100

69 172.7 27.2 40.8#

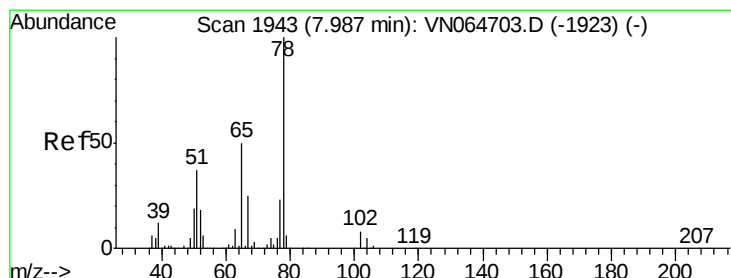
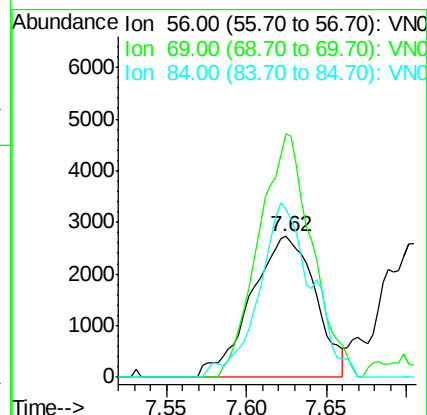
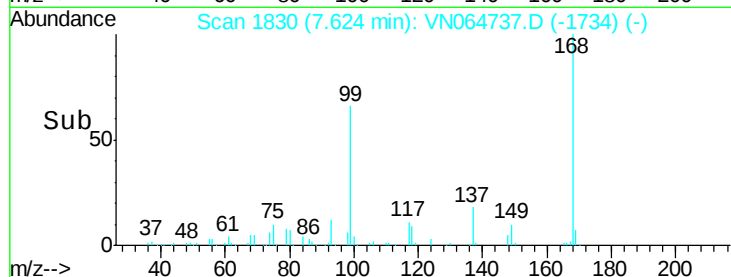
84 119.6 65.9 98.9#



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: 56.805 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064737.D

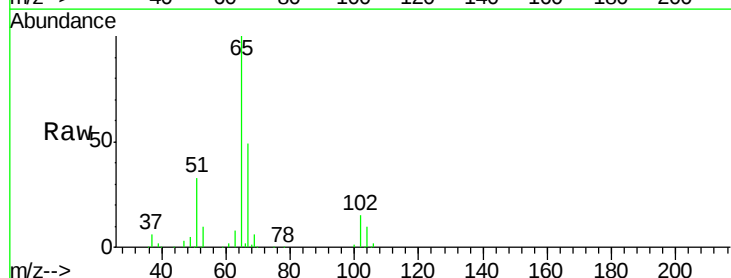
Acq: 19 Nov 2020 16:50

Tgt Ion: 65 Resp: 208407

Ion Ratio Lower Upper

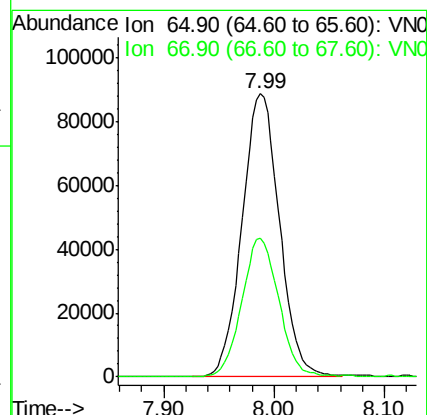
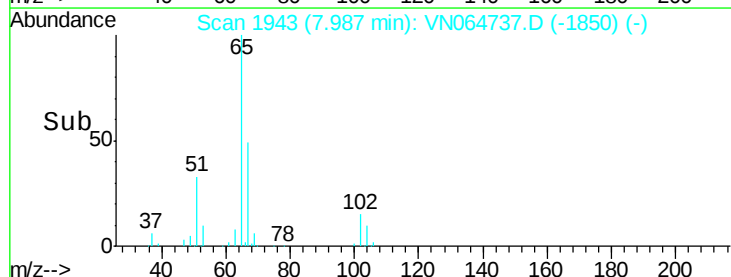
65 100

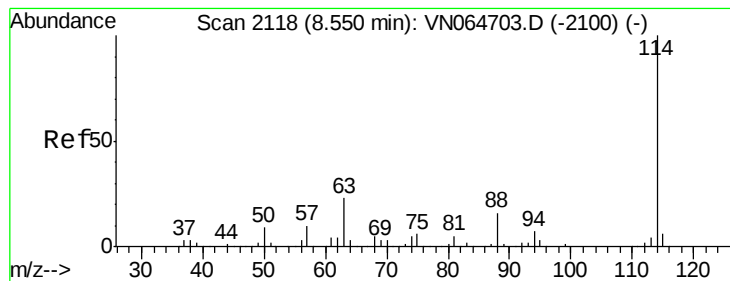
67 48.4 0.0 99.8



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: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

MW-2

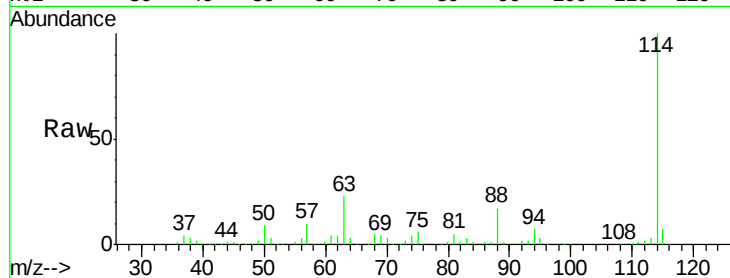
Tot Ion:114 Resp: 420486

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.0

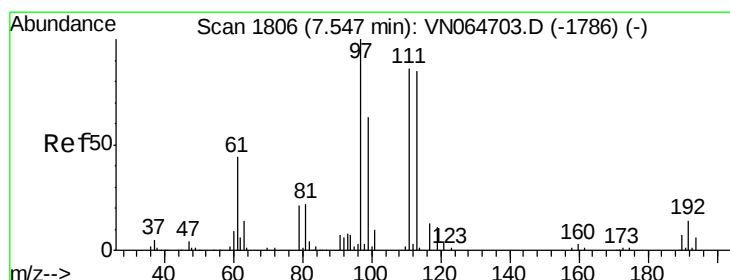
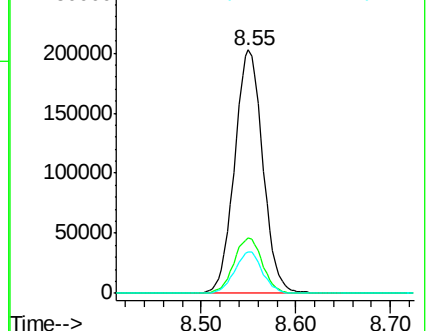
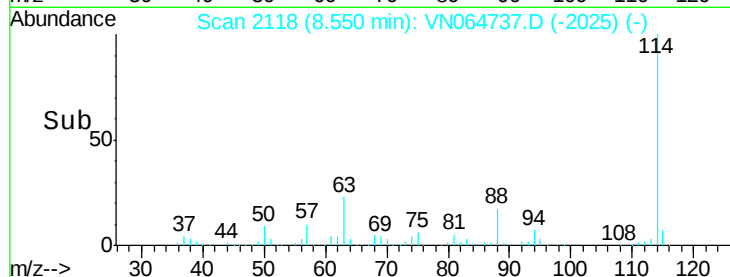
88 17.0 0.0 31.2



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: 56.402 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

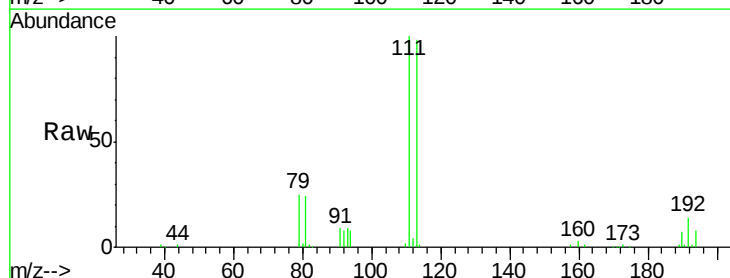
Tgt Ion:113 Resp: 134987

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

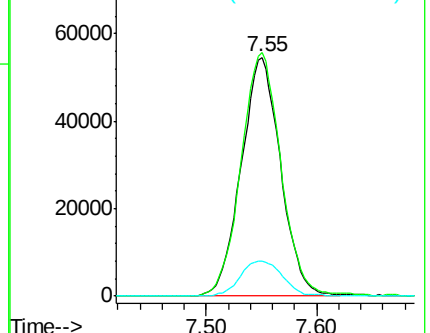
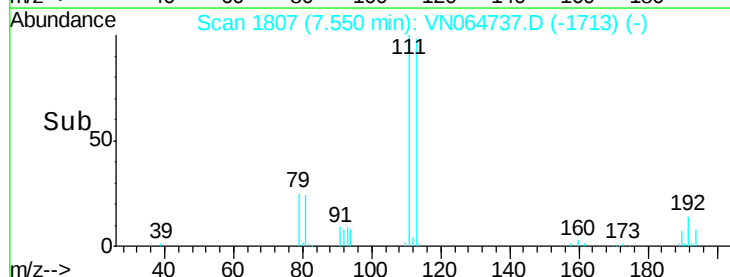
192 15.8 12.7 19.1

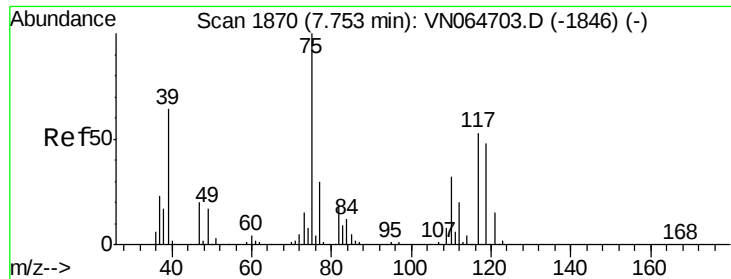


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

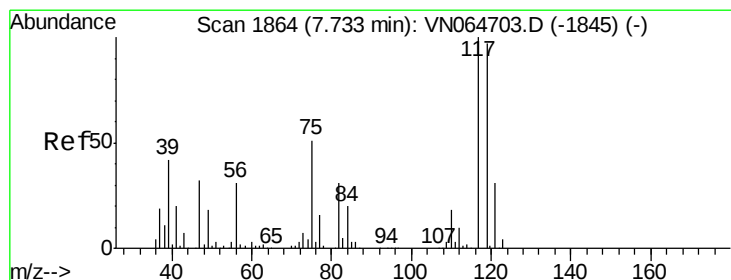
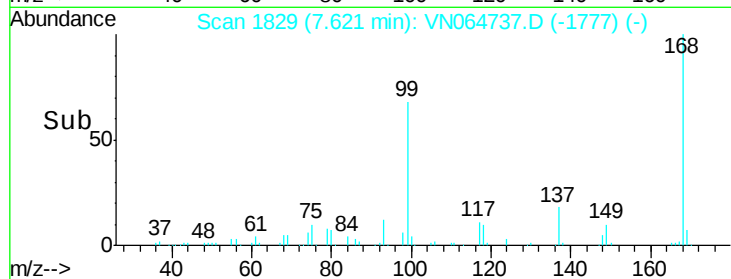
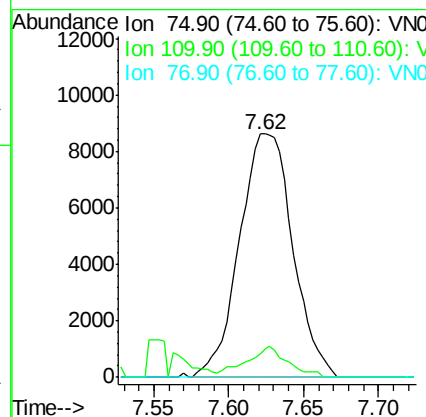
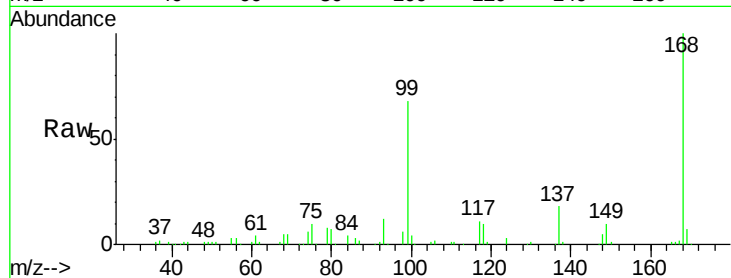




#36
 1,1-Dichloropropene
 Concen: 4.935 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064737.D
 Acq: 19 Nov 2020 16:50

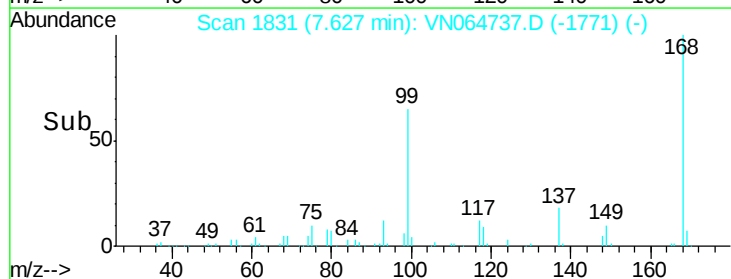
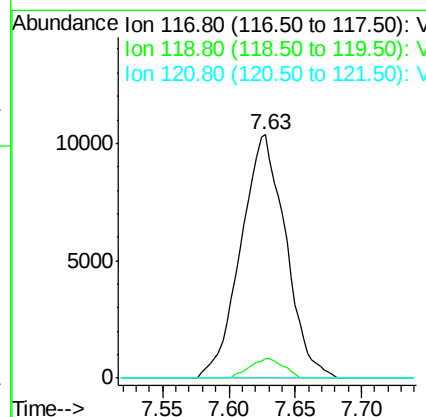
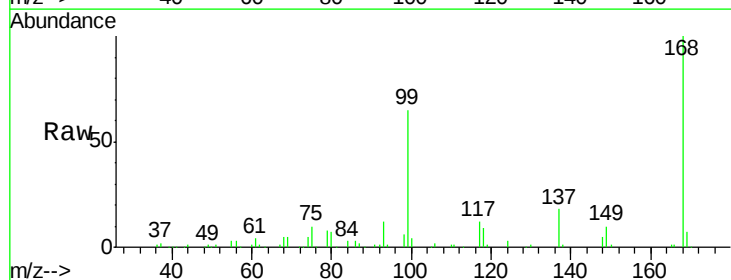
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

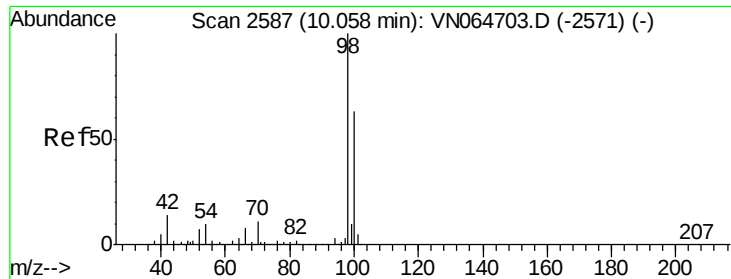
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.2	48.6#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 5.306 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064737.D
 Acq: 19 Nov 2020 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.9	77.8	116.6#
121	0.0	24.9	37.3#





#50

Toluene-d8

Concen: 50.821 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

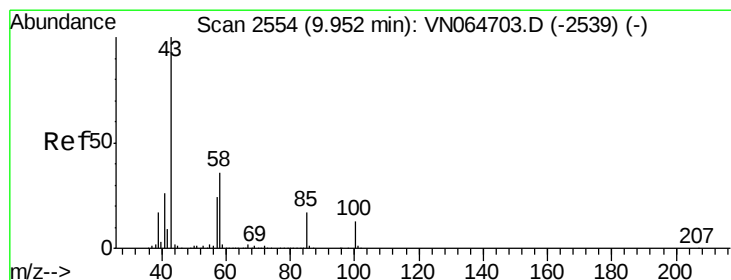
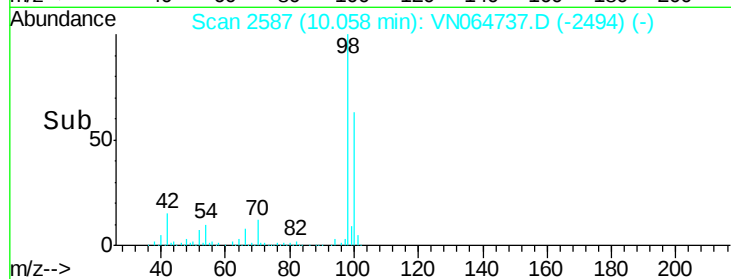
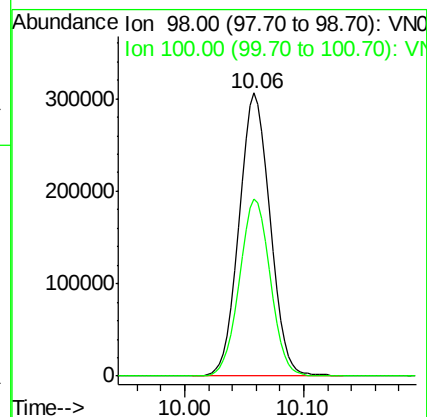
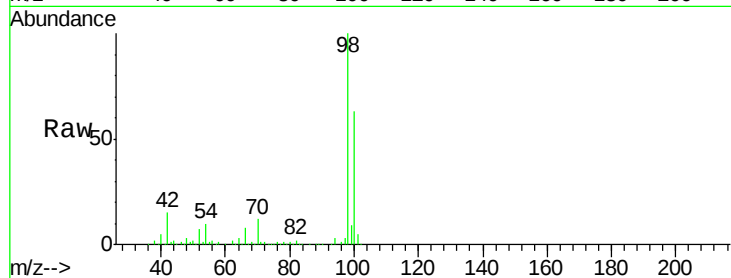
MW-2

Tot Ion: 98 Resp: 552783

Ion Ratio Lower Upper

98 100

100 62.5 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 6.168 ug/l

RT: 9.92 min Scan# 2544

Delta R.T. -0.03 min

Lab File: VN064737.D

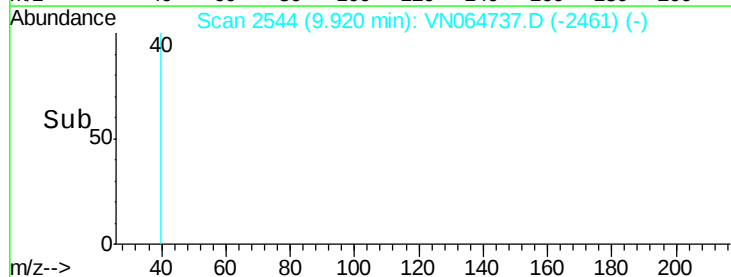
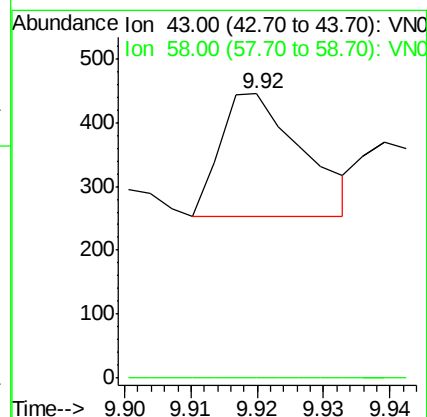
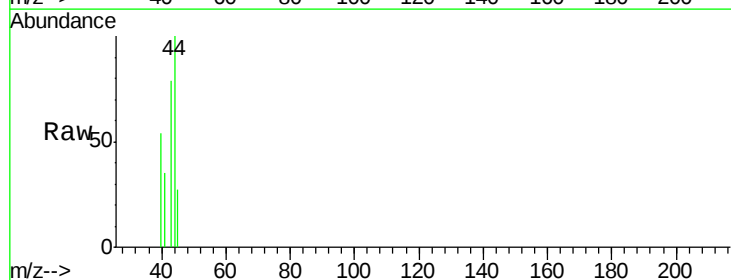
Acq: 19 Nov 2020 16:50

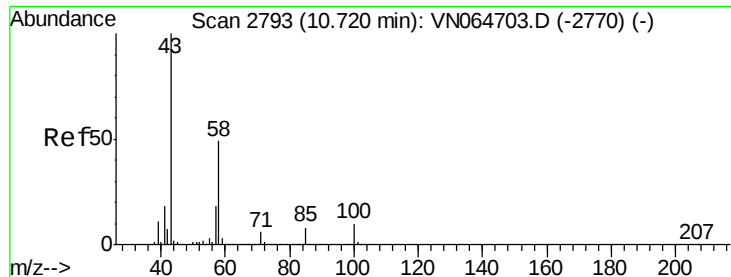
Tgt Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#

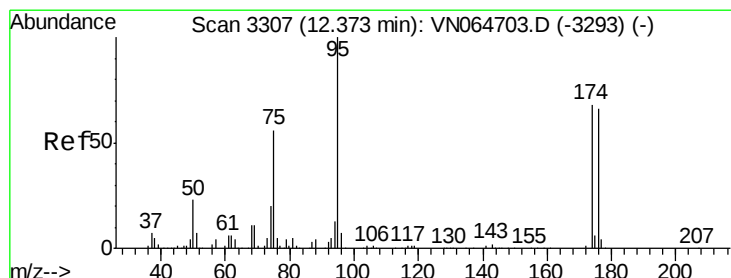
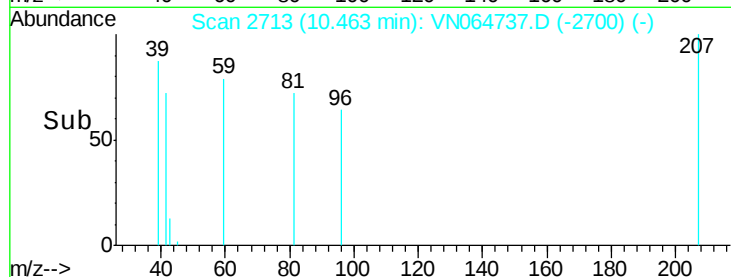
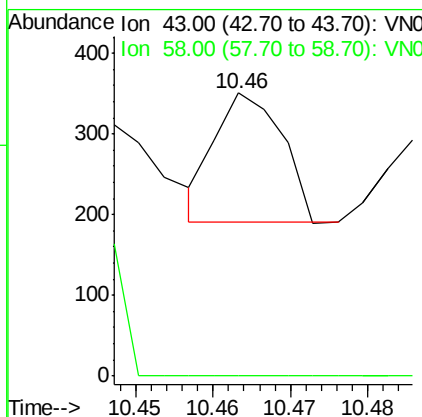
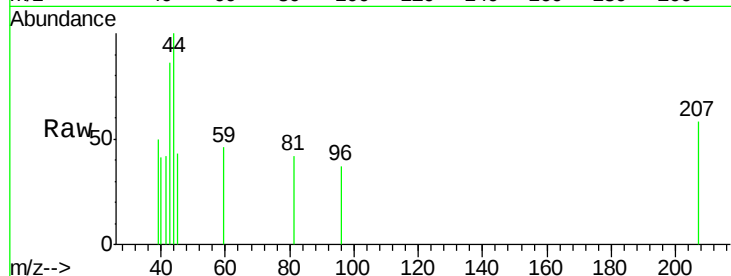




#59
2-Hexanone
Concen: 8.470 ug/l
RT: 10.46 min Scan# 2713
Delta R.T. -0.26 min
Lab File: VN064737.D
Acq: 19 Nov 2020 16:50

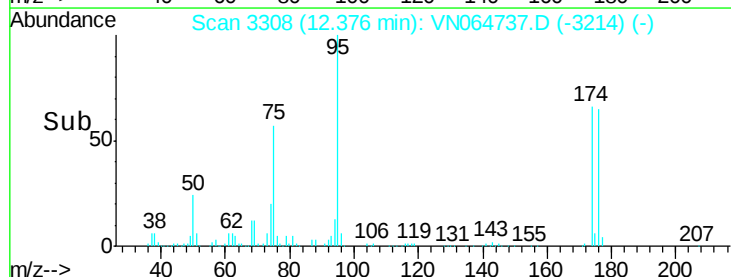
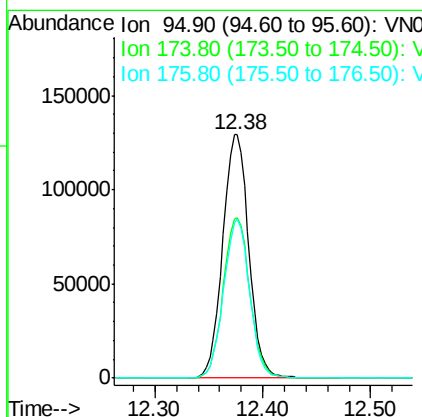
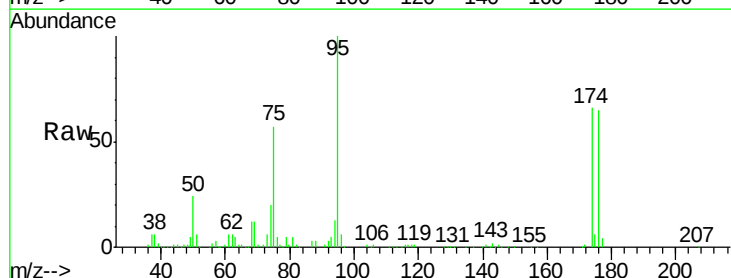
Instrument :
MSVOA_N
ClientSampleId :
MW-2

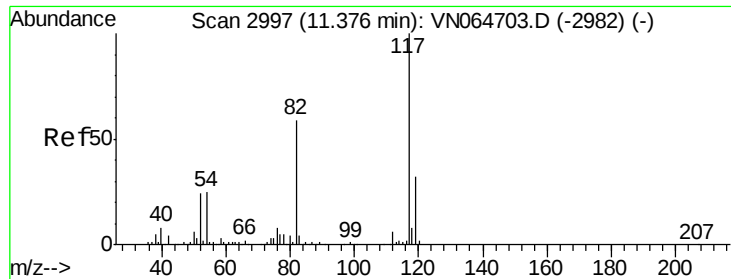
Tot Ion: 43 Resp: 97
Ion Ratio Lower Upper
43 100
58 62.9 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 53.505 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064737.D
Acq: 19 Nov 2020 16:50

Tgt Ion: 95 Resp: 217532
Ion Ratio Lower Upper
95 100
174 67.1 0.0 136.8
176 65.0 0.0 134.2

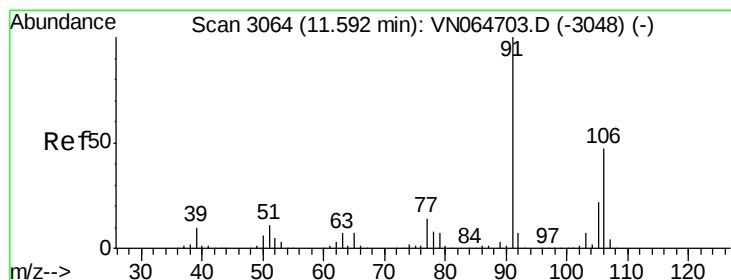
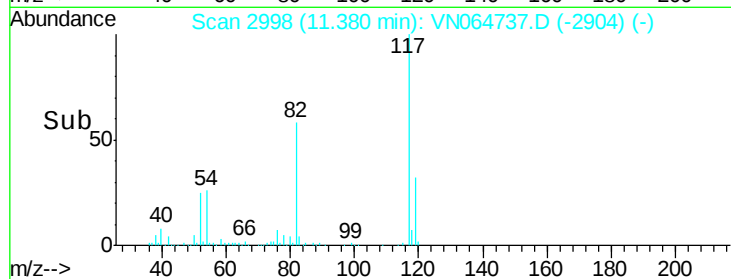
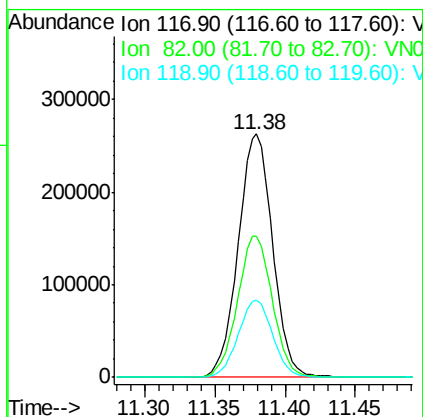
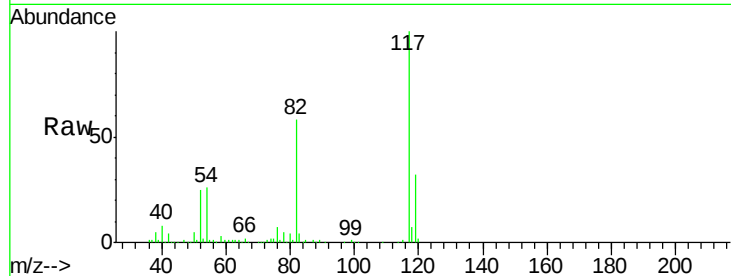




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064737.D
Acq: 19 Nov 2020 16:50

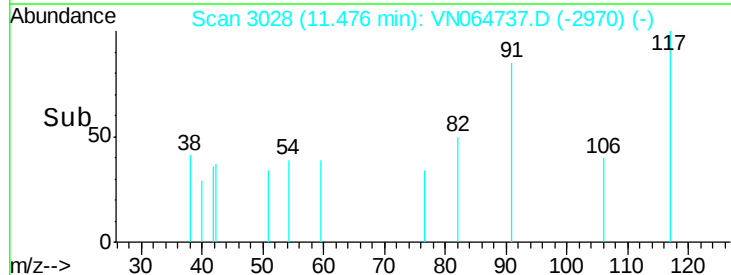
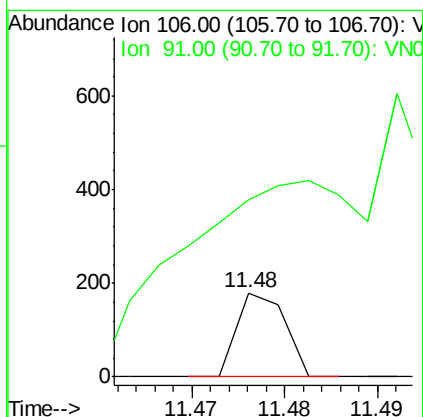
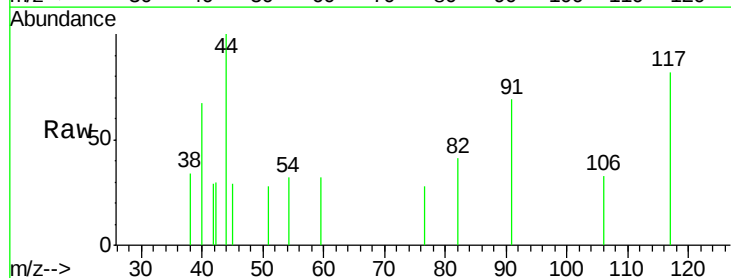
Instrument :
MSVOA_N
ClientSampleId :
MW-2

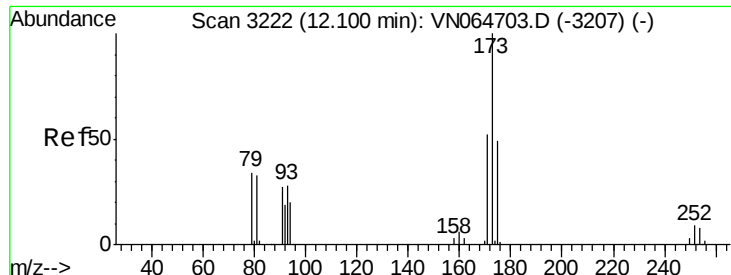
Tot Ion:117 Resp: 449858
Ion Ratio Lower Upper
117 100
82 58.1 47.0 70.6
119 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 4.071 ug/l
RT: 11.48 min Scan# 3028
Delta R.T. -0.11 min
Lab File: VN064737.D
Acq: 19 Nov 2020 16:50

Tgt Ion:106 Resp: 64
Ion Ratio Lower Upper
106 100
91 785.9 171.9 257.9#





#71

Bromoform

Concen: 2.482 ug/l

RT: 12.35 min Scan# 3301

Delta R.T. 0.25 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampleId :

MW-2

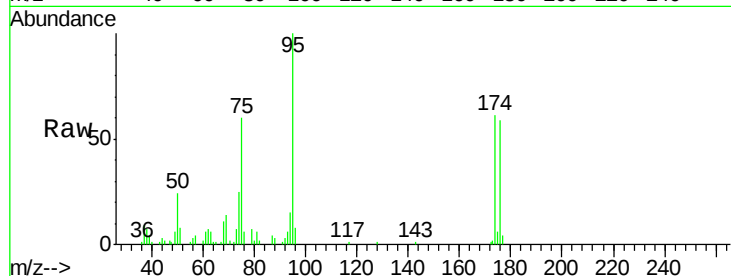
Tot Ion:173 Resp: 104

Ion Ratio Lower Upper

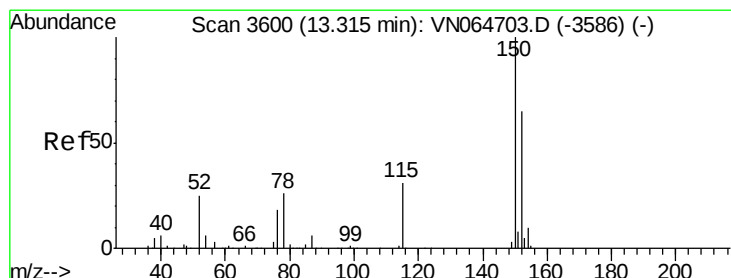
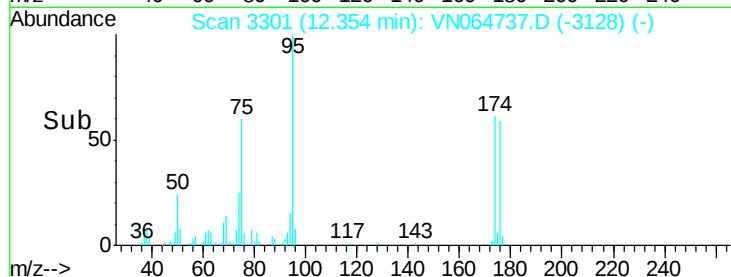
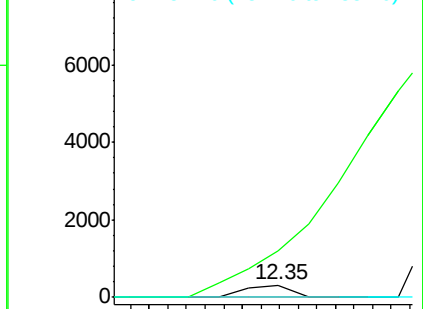
173 100

175 0.0 24.3 72.9#

254 0.0 0.1 0.1#



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# 3600

Delta R.T. 0.00 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

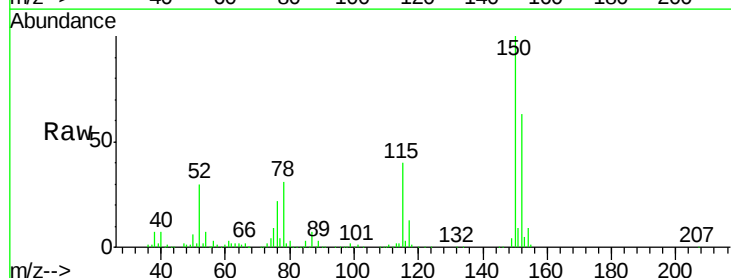
Tgt Ion:152 Resp: 185749

Ion Ratio Lower Upper

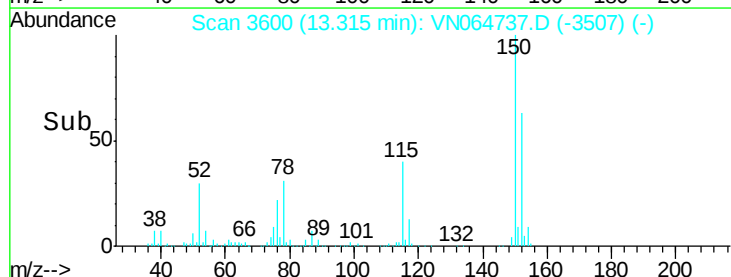
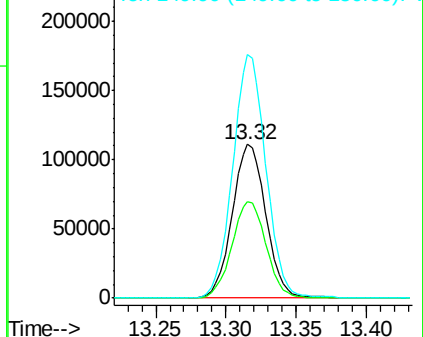
152 100

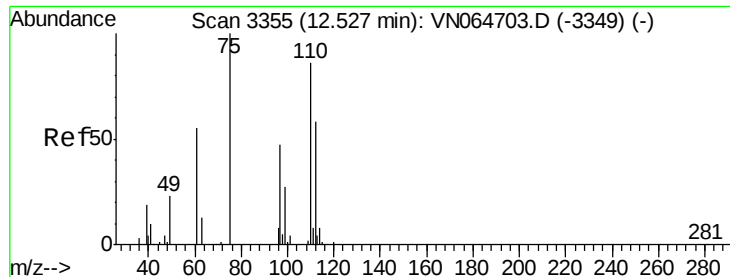
115 63.9 32.1 96.3

150 156.5 0.0 344.8



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





#76

1,2,3-Trichloropropane

Concen: 30.771 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

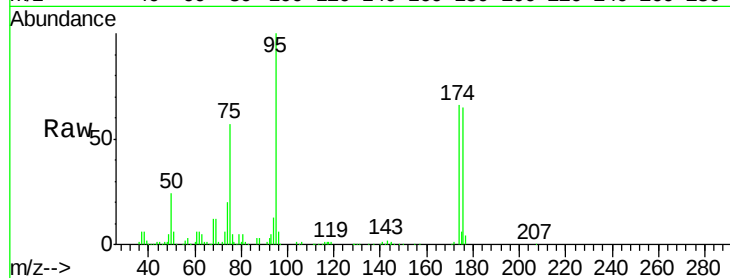
MW-2

Tot Ion: 75 Resp: 123153

Ion Ratio Lower Upper

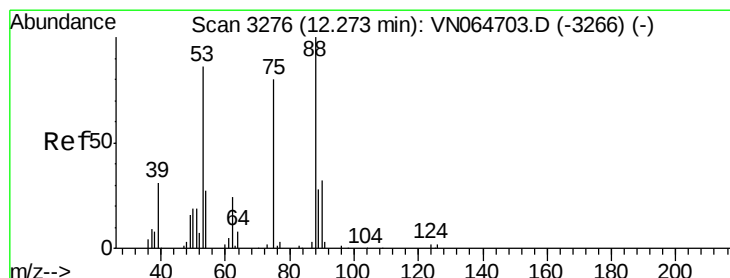
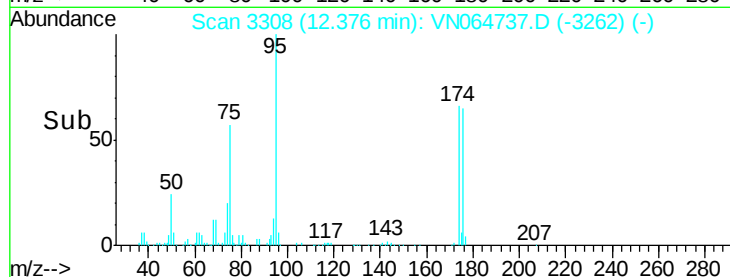
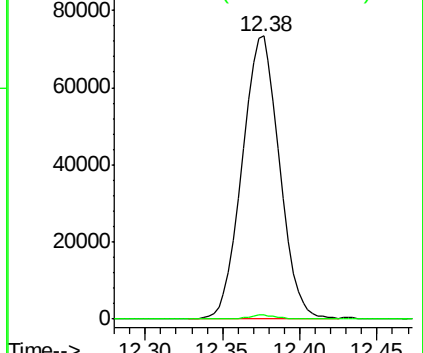
75 100

77 1.2 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: 78.401 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064737.D

Acq: 19 Nov 2020 16:50

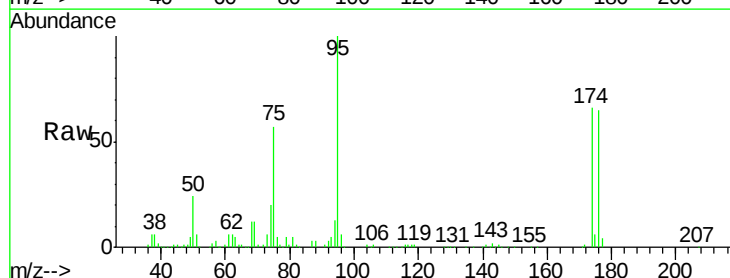
Tgt Ion: 75 Resp: 123153

Ion Ratio Lower Upper

75 100

53 0.1 88.8 133.2#

89 0.0 43.1 64.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

