

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064071.D
 Acq On : 10 Oct 2020 6:01
 Operator : JC/MD
 Sample : PB132226TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132226TB

Quant Time: Oct 10 08:06:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	202632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	396499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	151851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	181120	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
35) Dibromofluoromethane	7.55	113	132848	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.06	98	503167	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.38	95	186672	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds

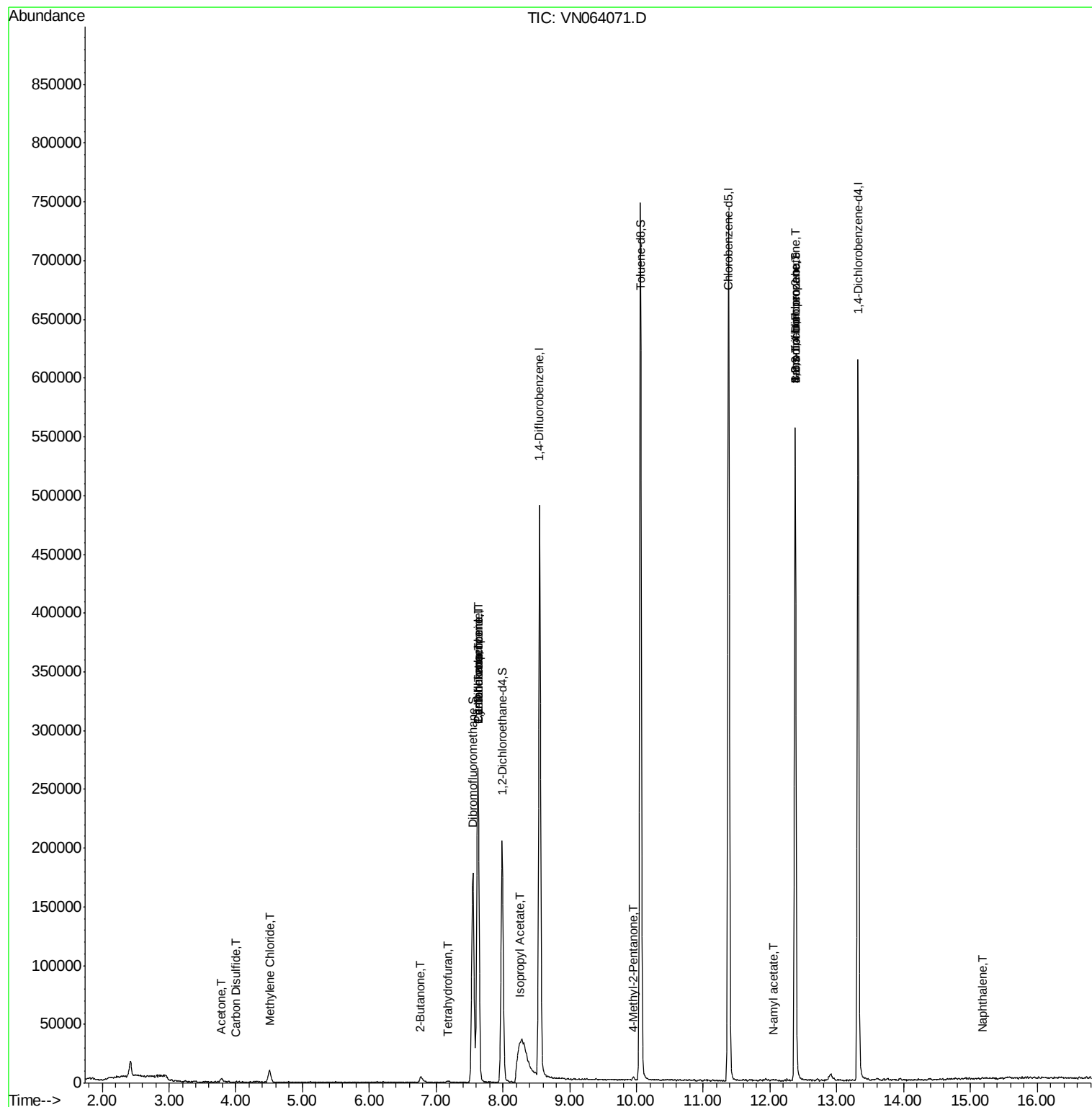
					Qvalue	
16) Acetone	3.78	43	5783	5.612	ug/l	95
17) Carbon Disulfide	4.01	76	353	0.764	ug/l #	76
20) Methylene Chloride	4.50	84	6339	2.778	ug/l	90
25) 2-Butanone	6.78	43	669	0.458	ug/l #	51
29) Tetrahydrofuran	7.17	42	655	0.668	ug/l #	46
31) Cyclohexane	7.63	56	5597	1.440	ug/l #	45
36) 1,1-Dichloropropene	7.62	75	19016	4.711	ug/l #	52
38) Carbon Tetrachloride	7.63	117	22138	4.891	ug/l #	14
43) Isopropyl Acetate	8.25	43	38656	5.844	ug/l #	65
51) 4-Methyl-2-Pentanone	9.96	43	2429	0.626	ug/l #	86
71) Bromoform	12.38	173	1277	0.535	ug/l #	1
74) N-amyl acetate	12.05	43	160	2.246	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	103289	30.857	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103289	88.872	ug/l #	6
95) Naphthalene	15.18	128	30	1.928	ug/l #	69

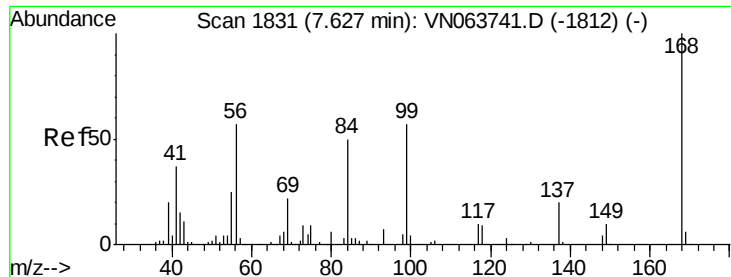
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 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: VN064071.D

Acq: 10 Oct 2020 6:01

Instrument :

MSVOA_N

ClientSampleId :

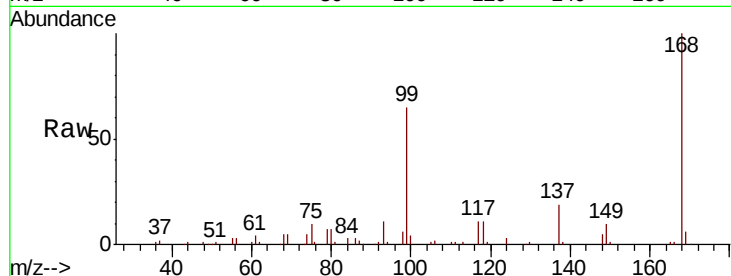
PB132226TB

Tot Ion:168 Resp: 202632

Ion Ratio Lower Upper

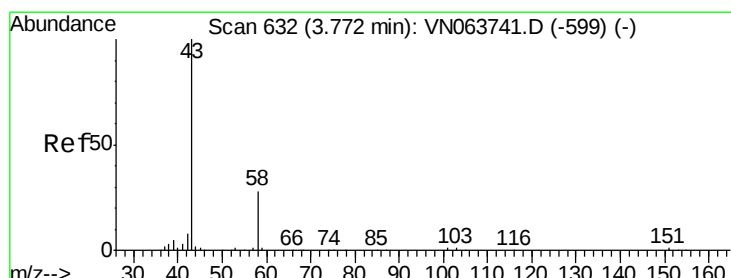
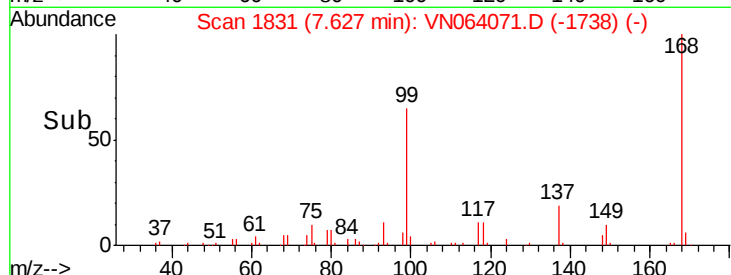
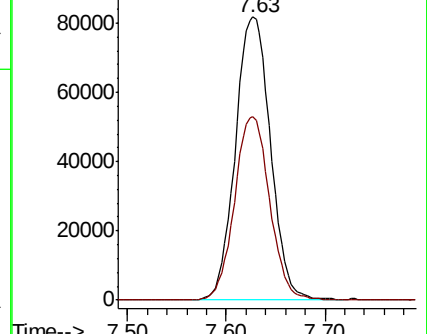
168 100

99 65.0 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 5.612 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064071.D

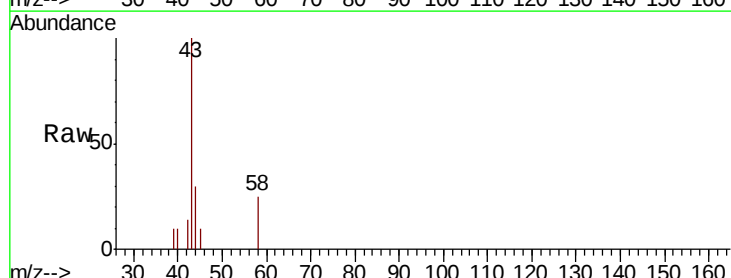
Acq: 10 Oct 2020 6:01

Tgt Ion: 43 Resp: 5783

Ion Ratio Lower Upper

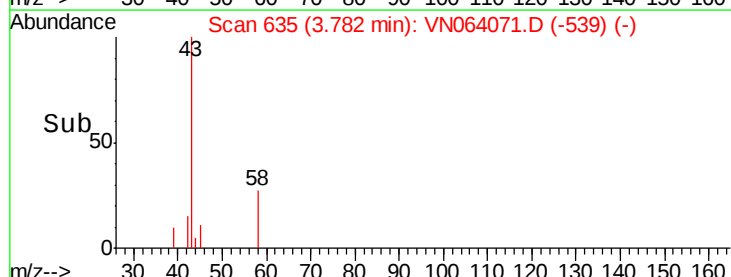
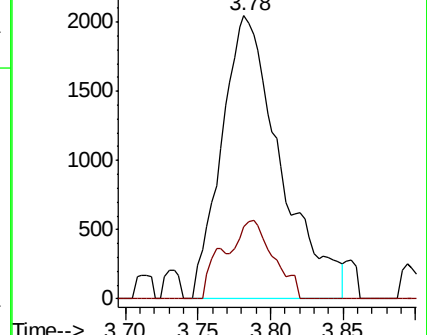
43 100

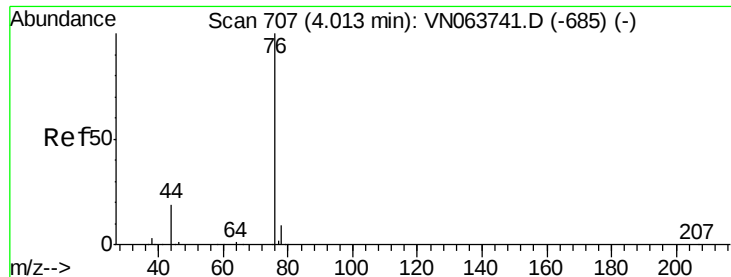
58 25.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

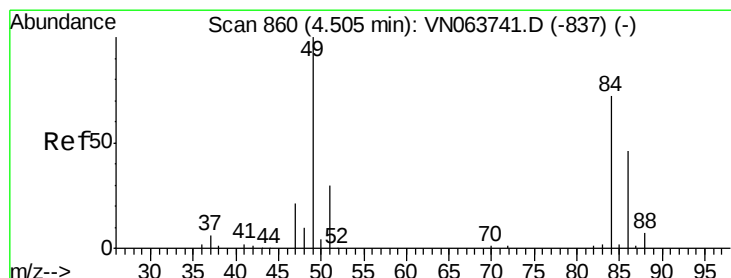
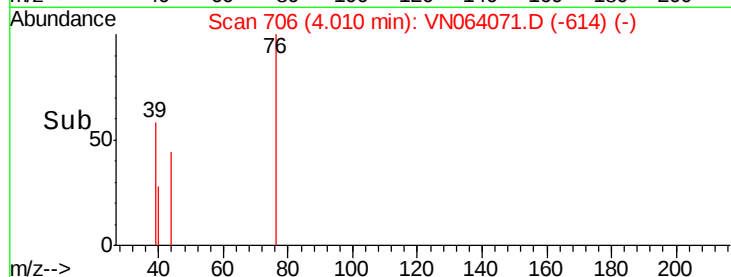
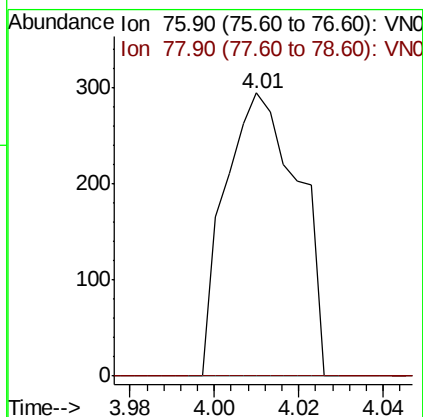
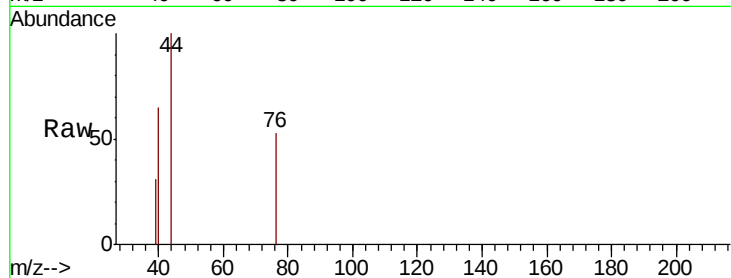




#17
Carbon Disulfide
Concen: 0.764 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

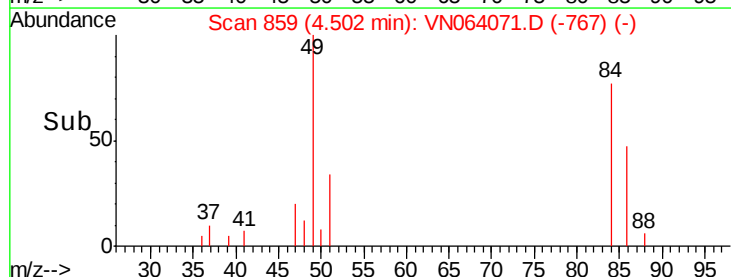
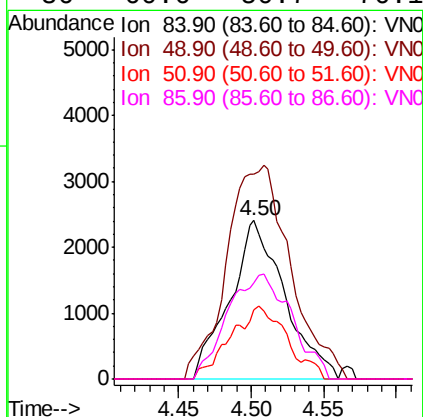
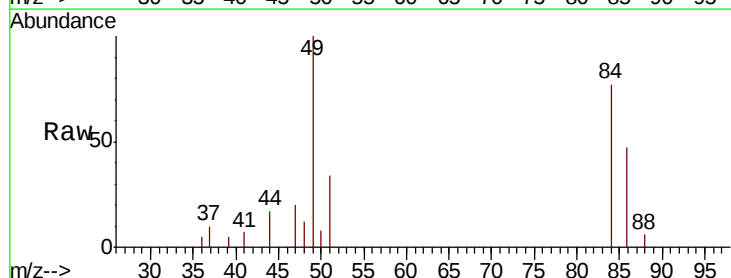
Instrument :
MSVOA_N
ClientSampled :
PB132226TB

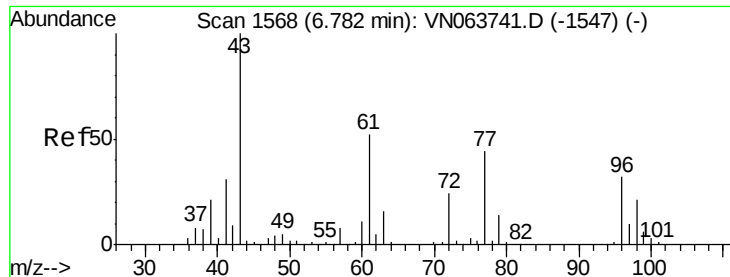
Tot Ion: 76 Resp: 353
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#20
Methylene Chloride
Concen: 2.778 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

Tgt Ion: 84 Resp: 6339
Ion Ratio Lower Upper
84 100
49 119.4 110.4 165.6
51 43.6 33.3 49.9
86 60.6 50.7 76.1

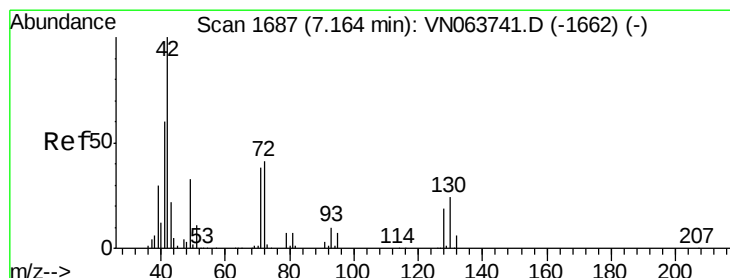
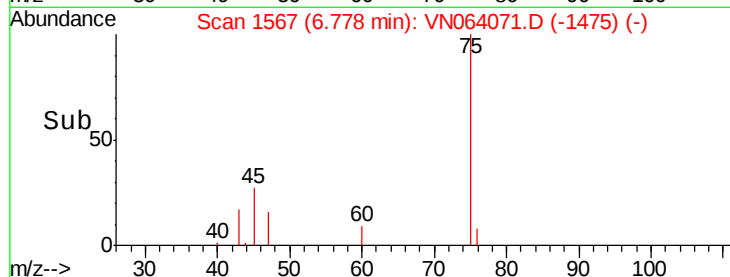
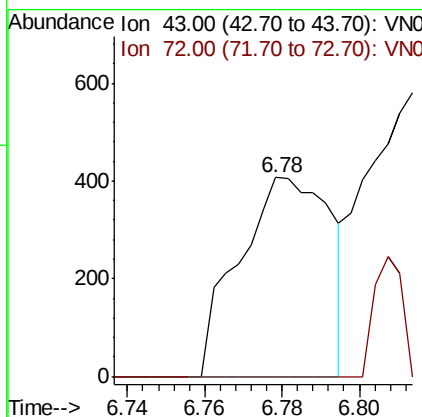
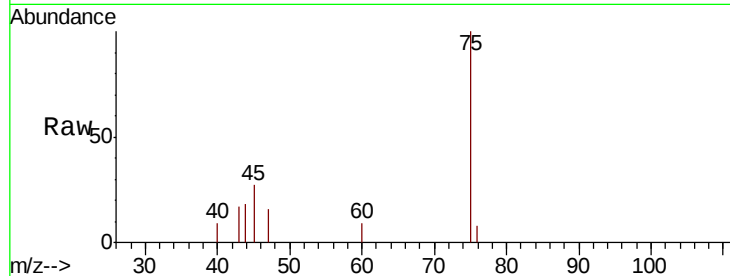




#25
2-Butanone
Concen: 0.458 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

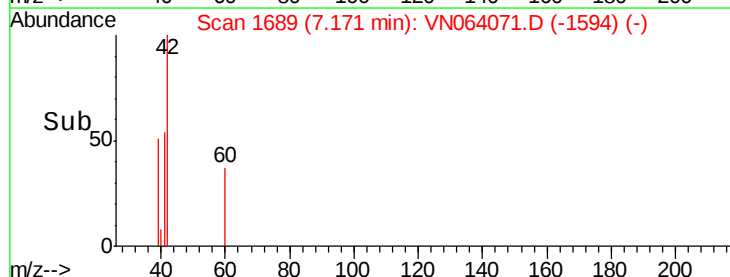
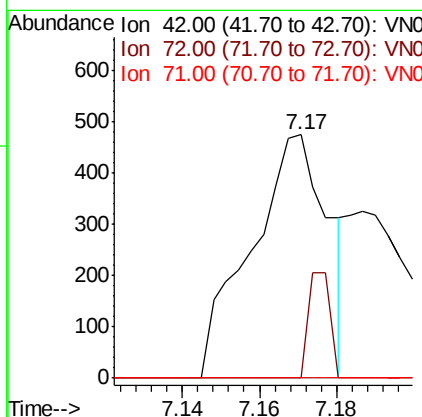
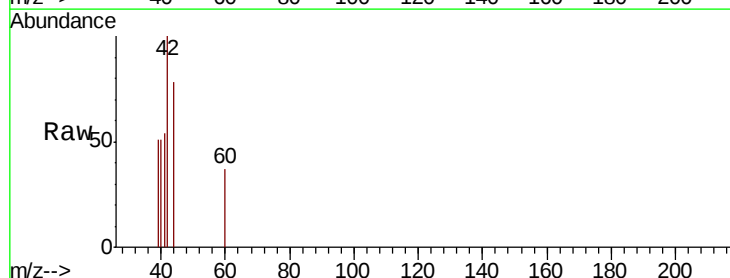
Instrument :
MSVOA_N
ClientSampleId :
PB132226TB

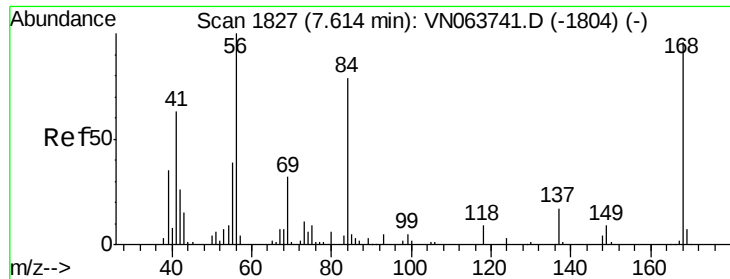
Tot Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
72 0.0 19.3 28.9#



#29
Tetrahydrofuran
Concen: 0.668 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

Tgt Ion: 42 Resp: 655
Ion Ratio Lower Upper
42 100
72 12.2 32.8 49.2#
71 0.0 30.6 45.8#

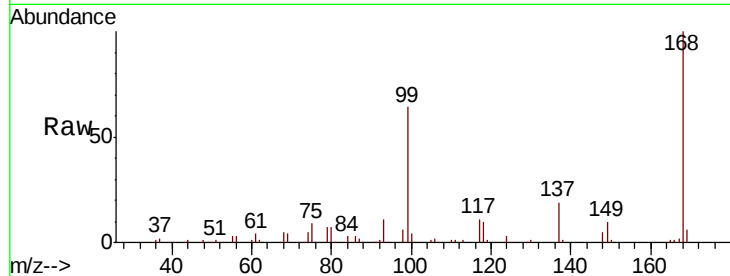




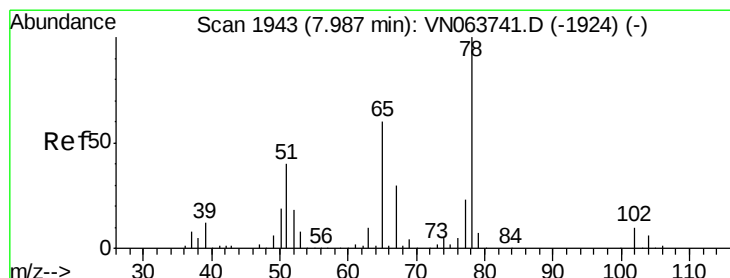
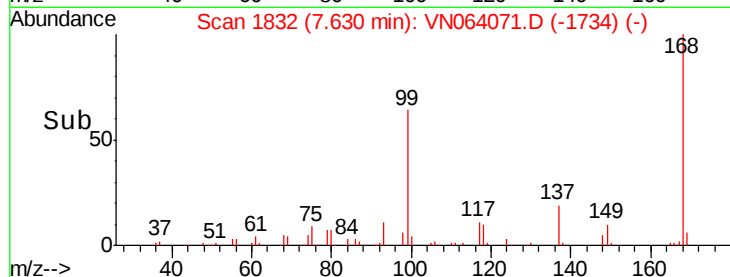
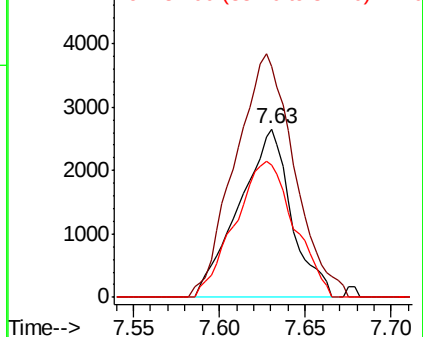
#31
Cyclohexane
Concen: 1.440 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

Instrument :
MSVOA_N
ClientSampleId :
PB132226TB

Tot Ion: 56 Resp: 5597
Ion Ratio Lower Upper
56 100
69 137.2 25.4 38.2#
84 78.4 63.3 94.9

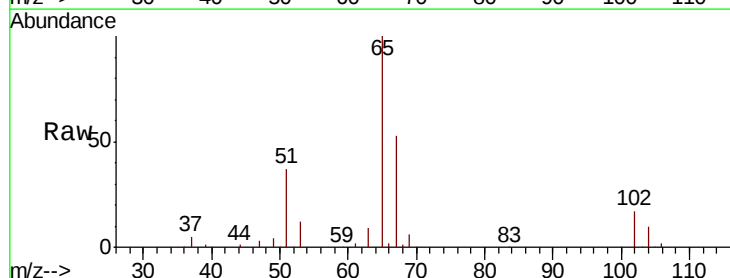


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

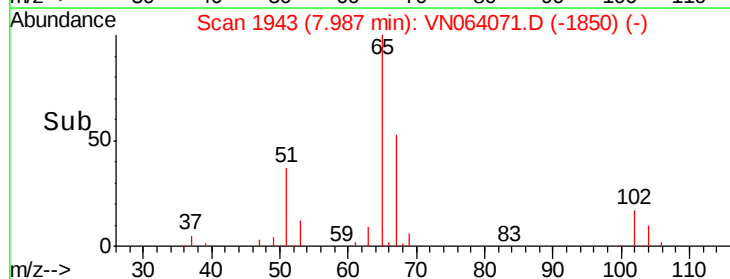
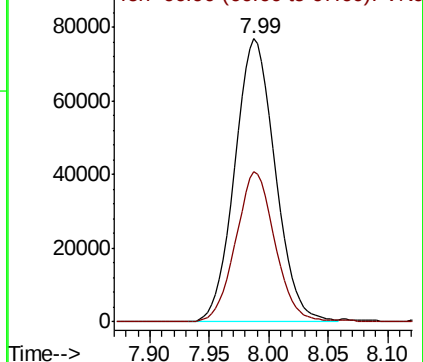


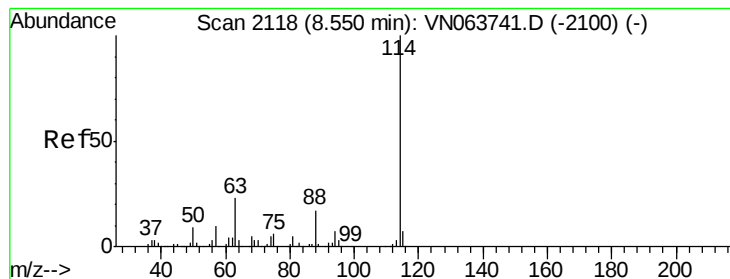
#33
1,2-Dichloroethane-d4
Concen: 54.104 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

Tgt Ion: 65 Resp: 181120
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.6



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: VN064071.D

Acq: 10 Oct 2020 6:01

Instrument :

MSVOA_N

ClientSampleId :

PB132226TB

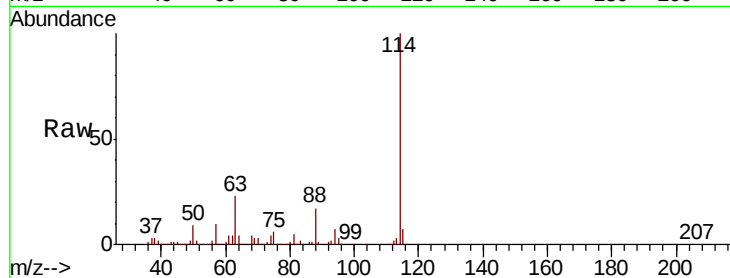
Tot Ion:114 Resp: 398431

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.0

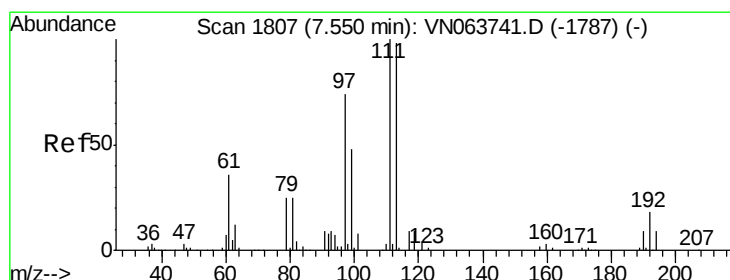
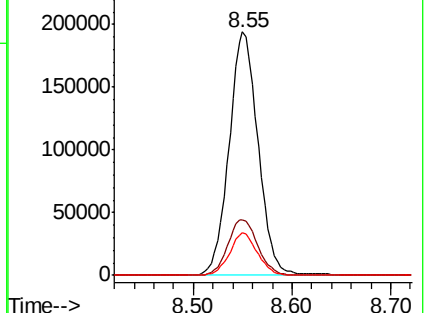
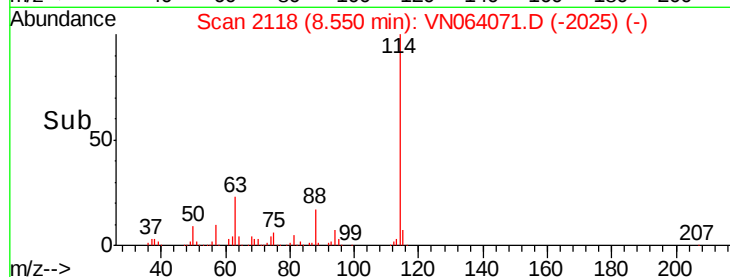
88 17.4 0.0 34.0



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: 48.053 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064071.D

Acq: 10 Oct 2020 6:01

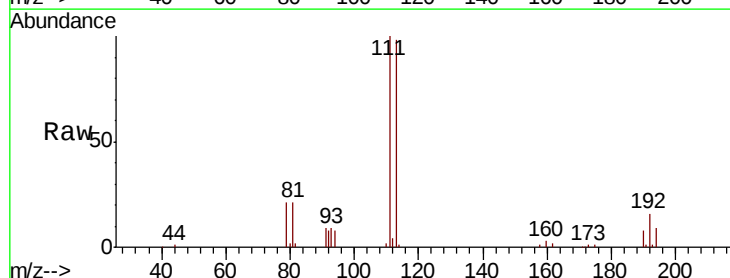
Tgt Ion:113 Resp: 132848

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

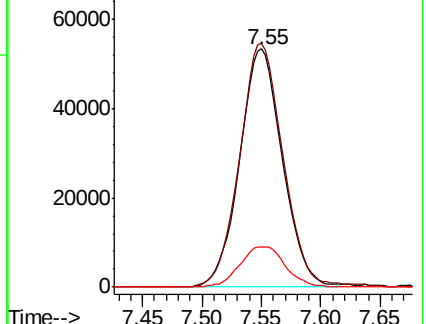
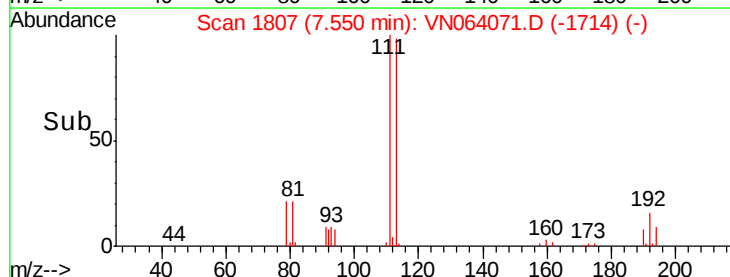
192 18.0 14.2 21.2

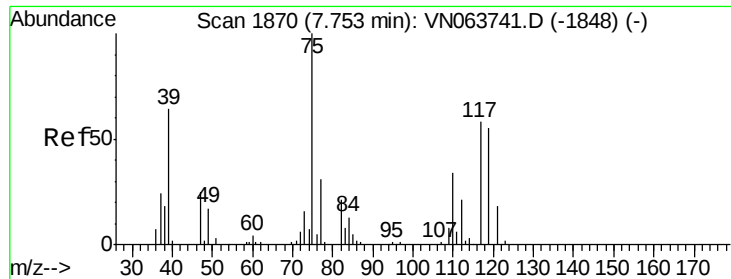


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

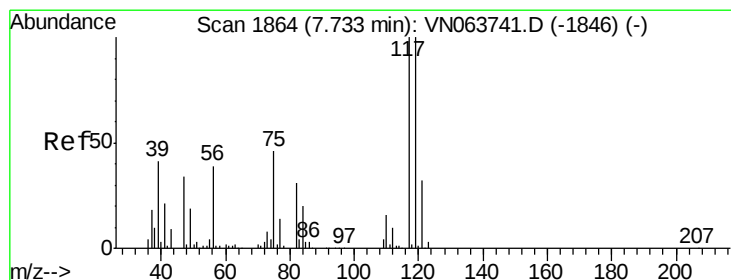
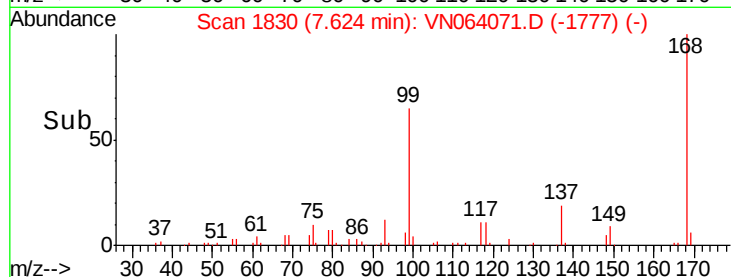
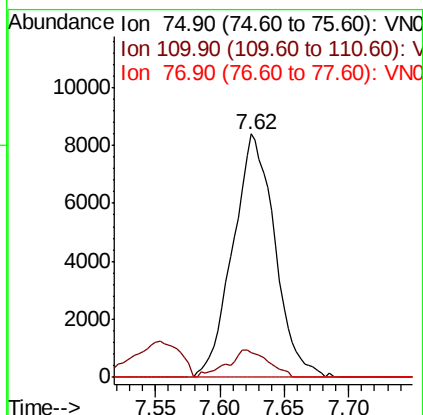
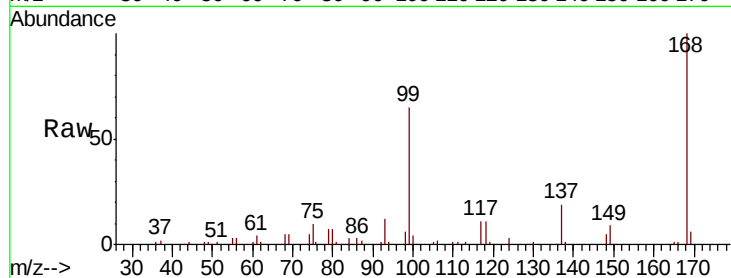




#36
 1,1-Dichloropropene
 Concen: 4.711 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064071.D
 Acq: 10 Oct 2020 6:01

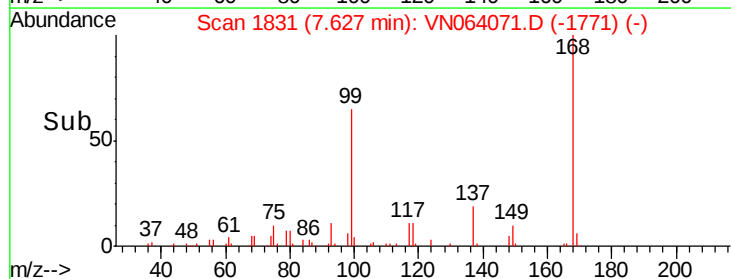
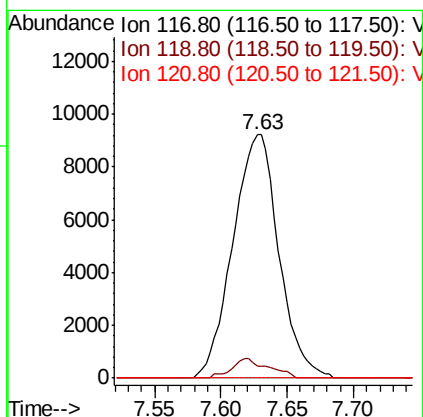
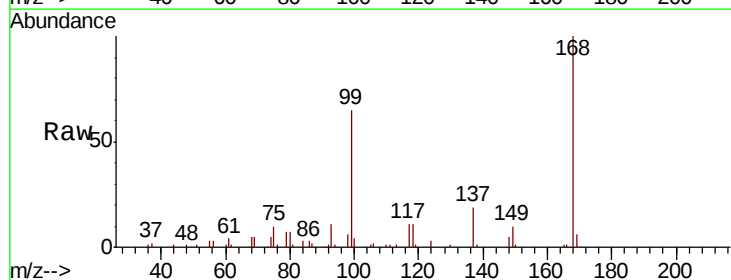
Instrument :
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 PB132226TB

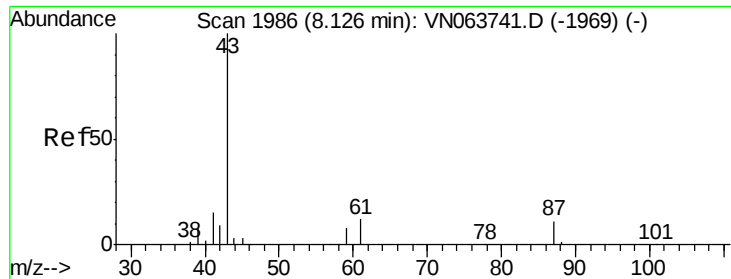
Tot Ion: 75 Resp: 19016
 Ion Ratio Lower Upper
 75 100
 110 10.8 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 4.891 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064071.D
 Acq: 10 Oct 2020 6:01

Tgt Ion: 117 Resp: 22138
 Ion Ratio Lower Upper
 117 100
 119 5.1 80.1 120.1#
 121 0.0 25.7 38.5#

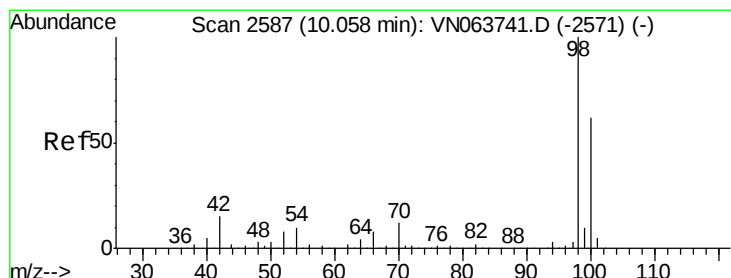
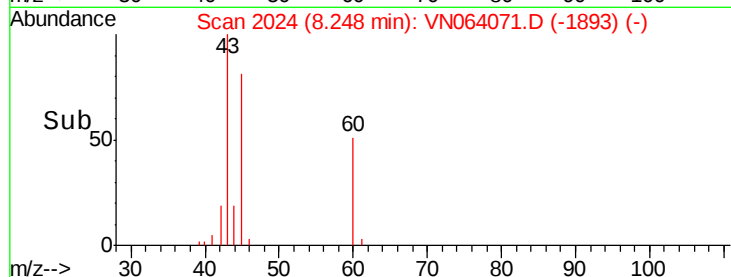
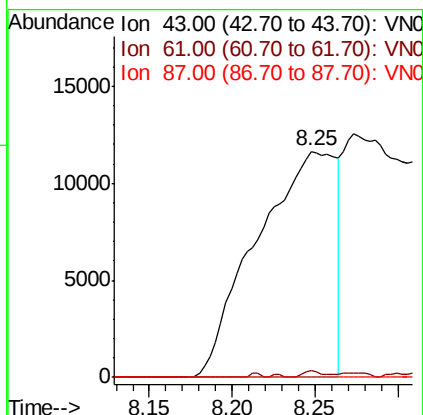
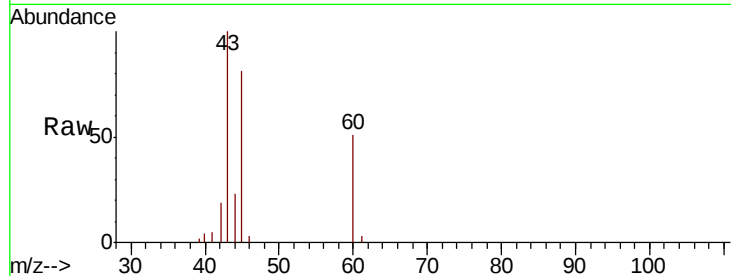




#43
Isopropyl Acetate
Concen: 5.844 ug/l
RT: 8.25 min Scan# 2024
Delta R.T. 0.12 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

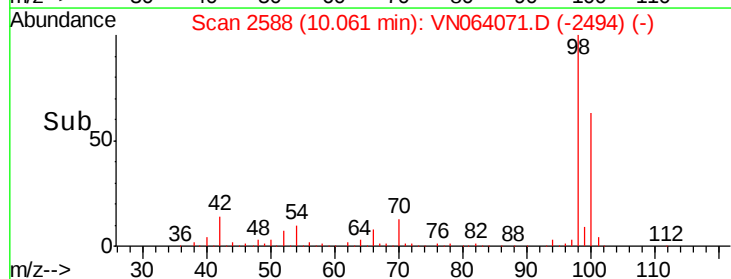
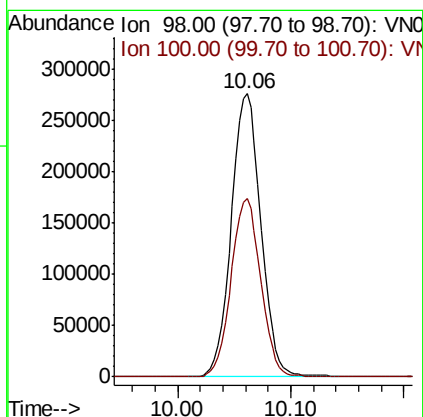
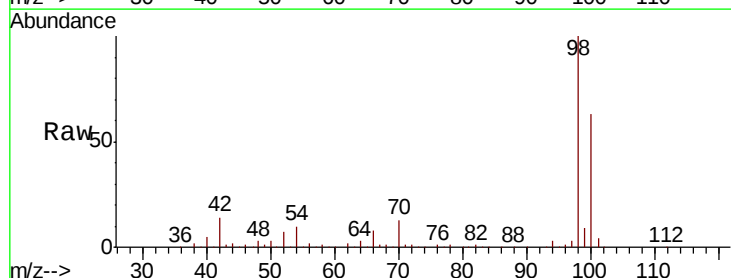
Instrument :
MSVOA_N
ClientSampleId :
PB132226TB

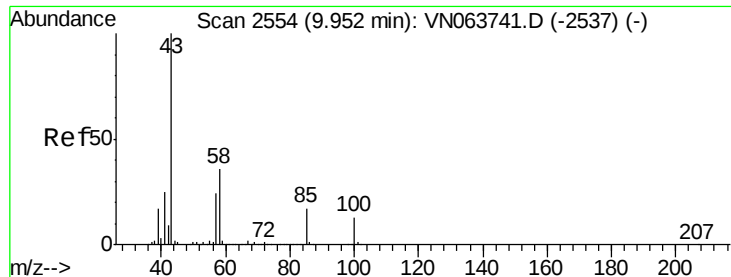
Tot Ion: 43 Resp: 38656
Ion Ratio Lower Upper
43 100
61 0.8 14.2 21.4#
87 0.0 9.0 13.6#



#50
Toluene-d8
Concen: 48.010 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

Tgt Ion: 98 Resp: 503167
Ion Ratio Lower Upper
98 100
100 62.8 49.8 74.6





#51

4-Methyl-2-Pentanone

Concen: 0.626 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064071.D

Acq: 10 Oct 2020 6:01

Instrument :

MSVOA_N

ClientSampleId :

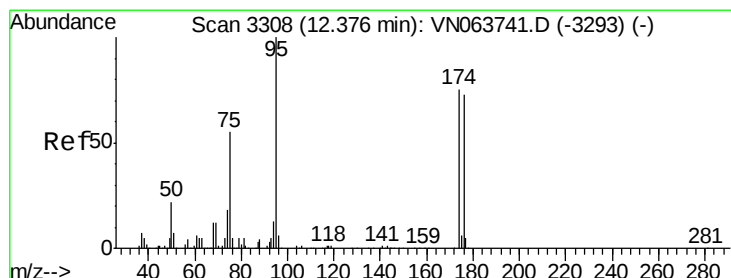
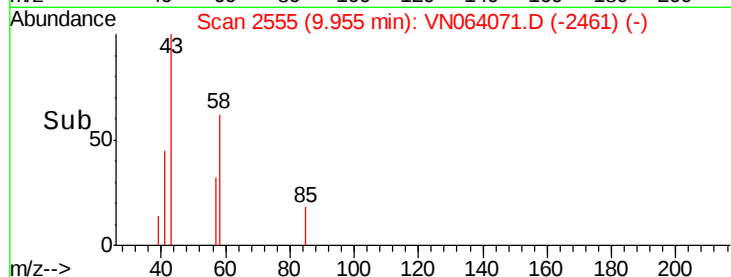
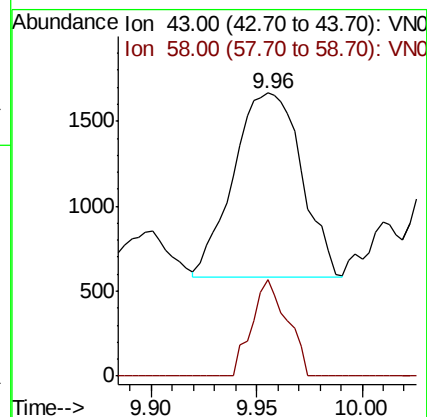
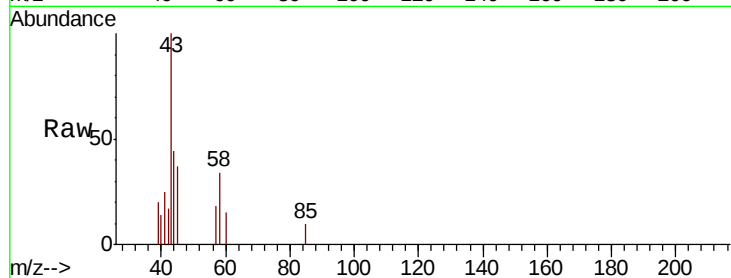
PB132226TB

Tot Ion: 43 Resp: 2429

Ion Ratio Lower Upper

43 100

58 27.2 28.4 42.6#



#62

4-Bromofluorobenzene

Concen: 47.383 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064071.D

Acq: 10 Oct 2020 6:01

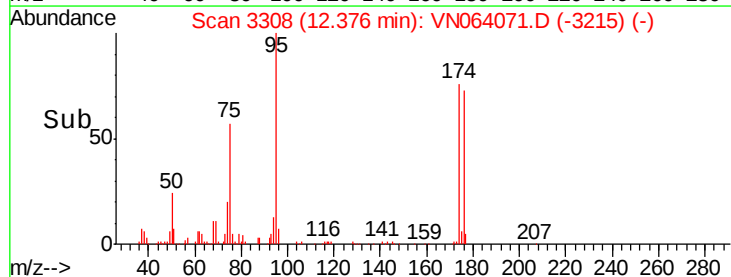
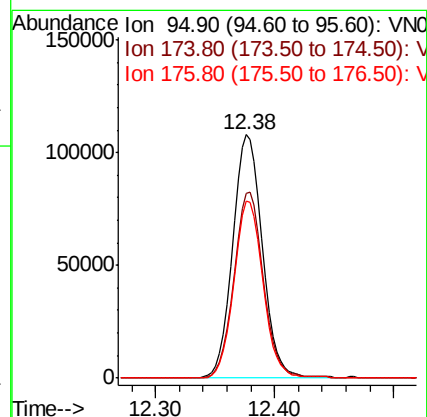
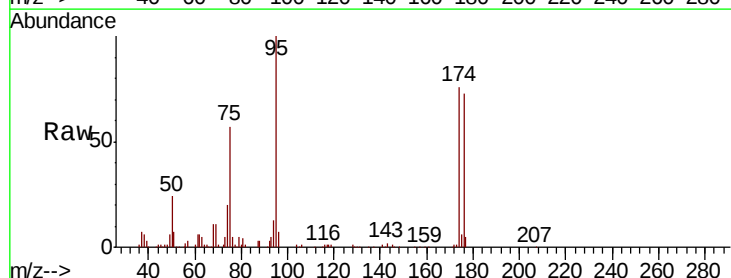
Tgt Ion: 95 Resp: 186672

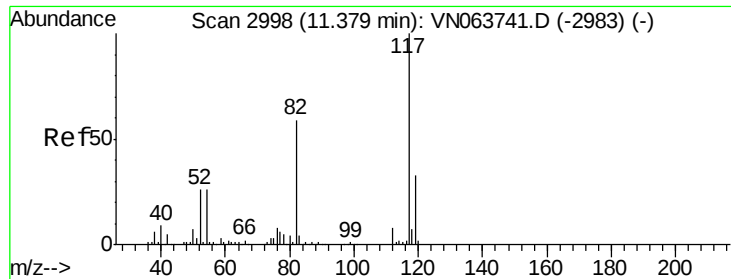
Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.6

176 71.5 0.0 145.4

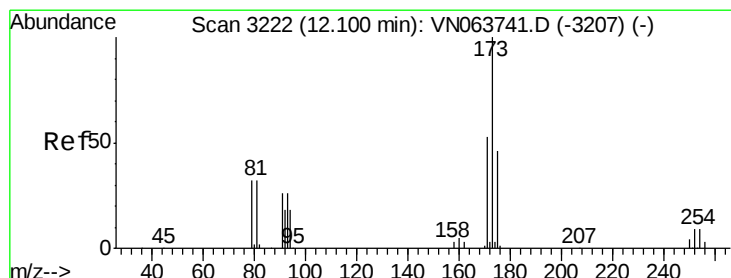
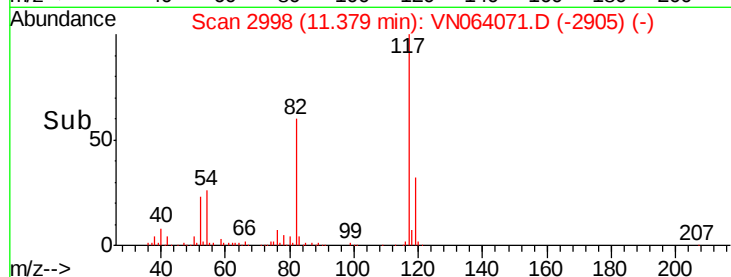
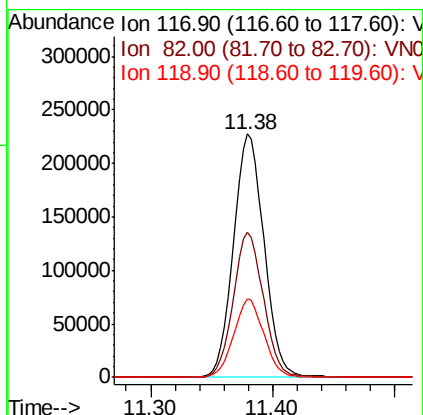
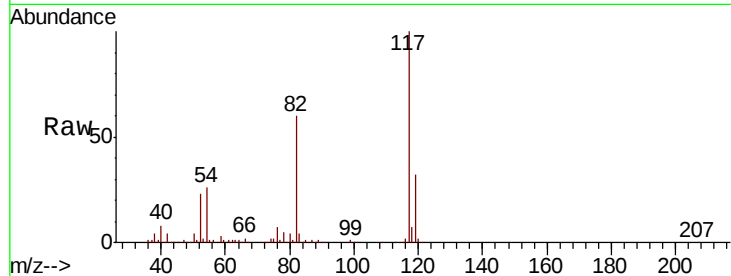




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

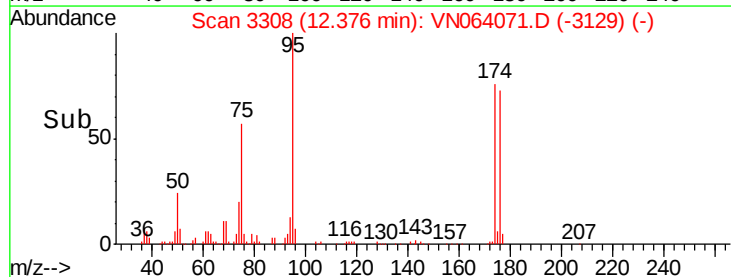
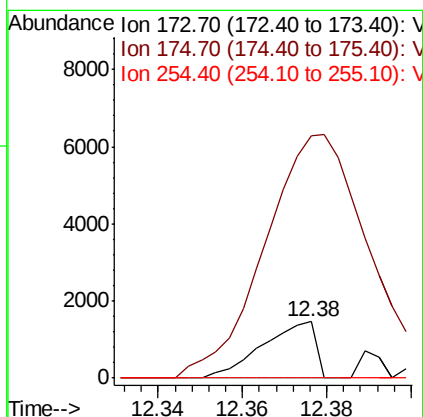
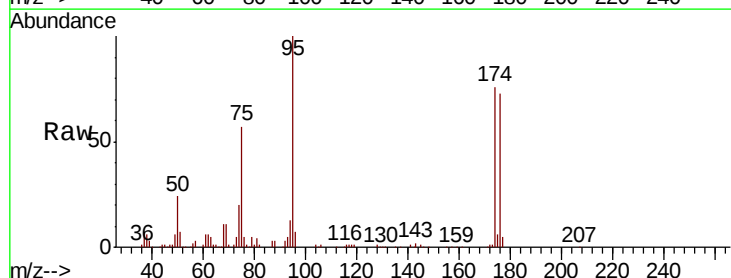
Instrument :
MSVOA_N
ClientSampleId :
PB132226TB

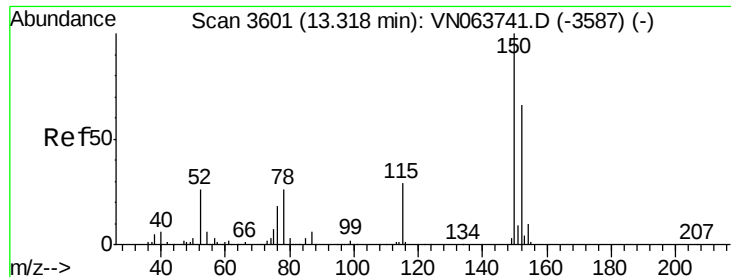
Tot Ion:117 Resp: 396499
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 32.2 26.4 39.6



#71
Bromoform
Concen: 0.535 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064071.D
Acq: 10 Oct 2020 6:01

Tgt Ion:173 Resp: 1277
Ion Ratio Lower Upper
173 100
175 675.8 23.5 70.5#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064071.D

Acq: 10 Oct 2020 6:01

Instrument :

MSVOA_N

ClientSampleId :

PB132226TB

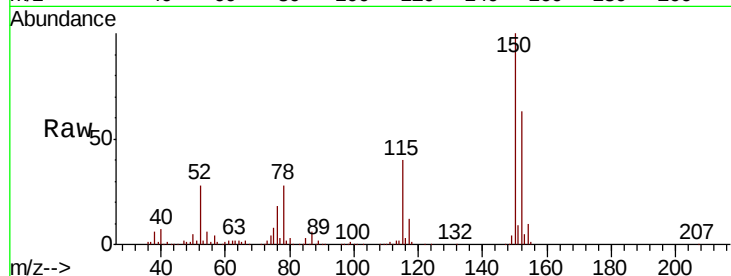
Tot Ion:152 Resp: 151851

Ion Ratio Lower Upper

152 100

115 63.2 31.3 93.8

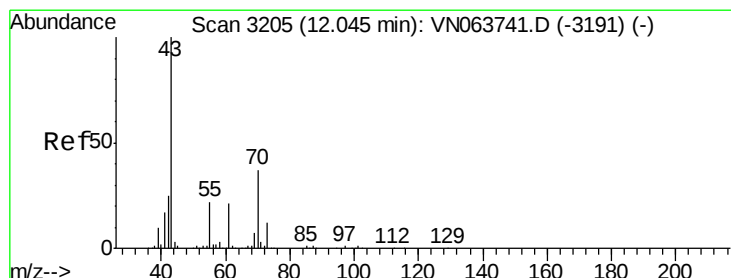
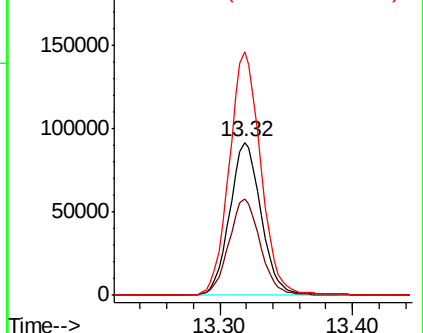
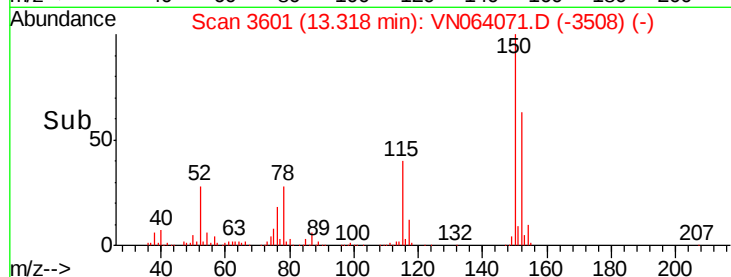
150 158.8 0.0 341.8



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: 2.246 ug/l

RT: 12.05 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VN064071.D

Acq: 10 Oct 2020 6:01

Tgt Ion: 43 Resp: 160

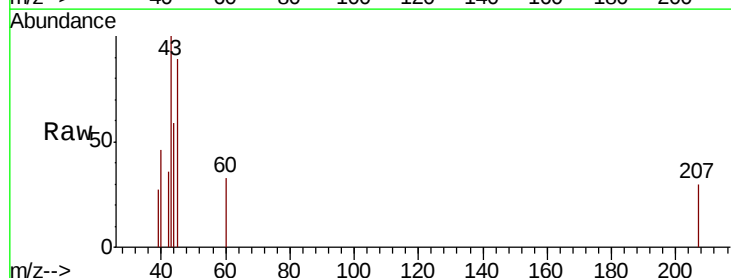
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#

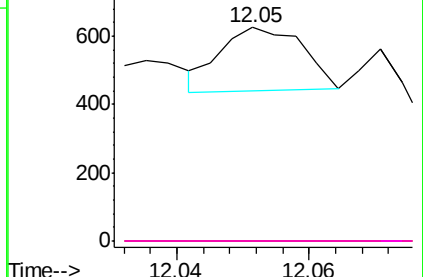
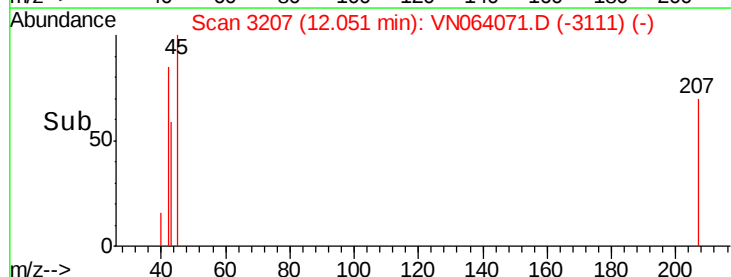


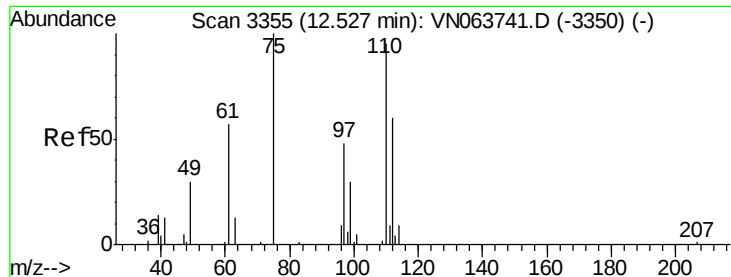
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 30.857 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064071.D

Acq: 10 Oct 2020 6:01

Instrument :

MSVOA_N

ClientSampled :

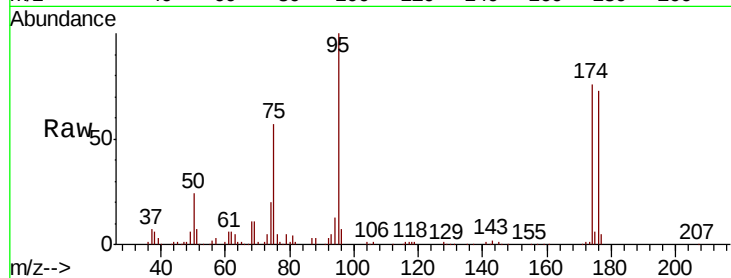
PB132226TB

Tot Ion: 75 Resp: 103289

Ion Ratio Lower Upper

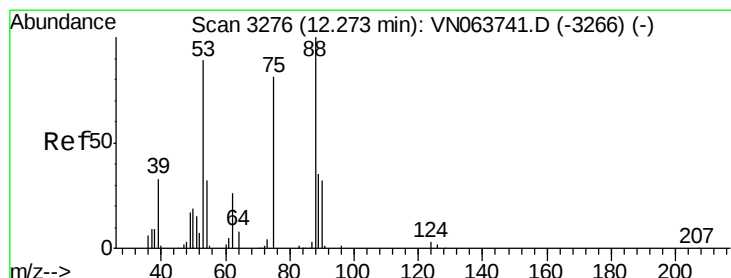
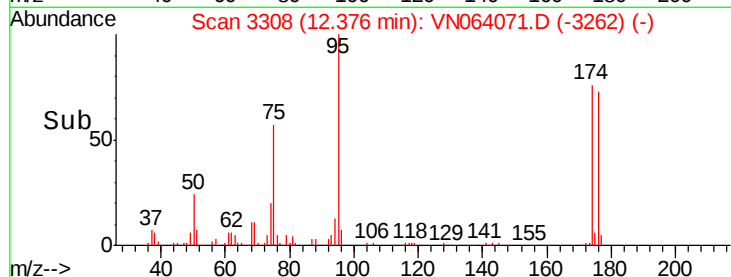
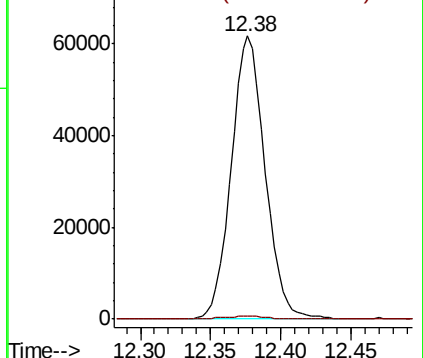
75 100

77 1.4 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: 88.872 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064071.D

Acq: 10 Oct 2020 6:01

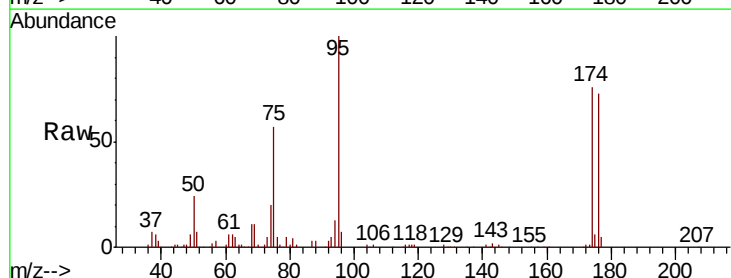
Tgt Ion: 75 Resp: 103289

Ion Ratio Lower Upper

75 100

53 0.3 88.2 132.2#

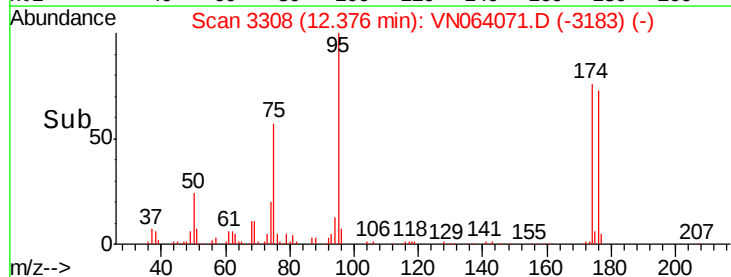
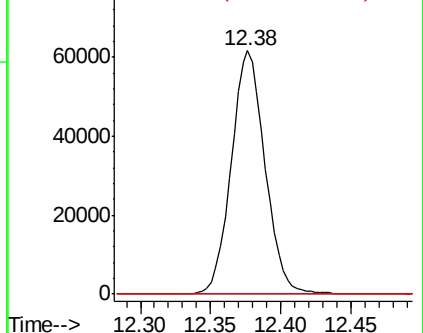
89 0.0 36.0 54.0#

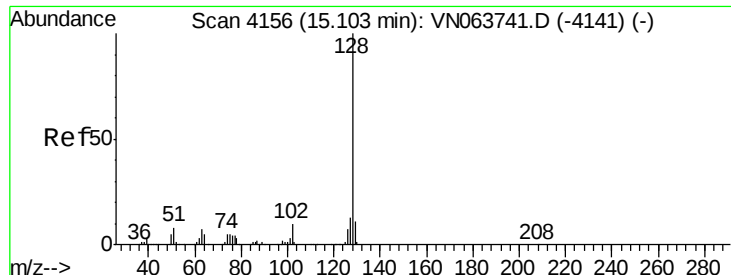


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 1.928 ug/l

RT: 15.18 min Scan# 4181

Delta R.T. 0.08 min

Lab File: VN064071.D

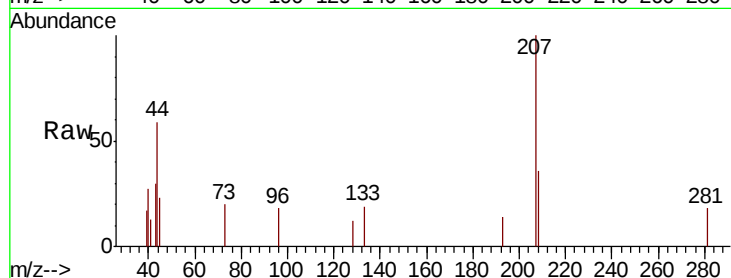
Acq: 10 Oct 2020 6:01

Instrument :

MSVOA_N

ClientSampleId :

PB132226TB



Tot Ion:	128	Resp:	30
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.5	15.7#
129	0.0	8.7	13.1#

