

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102920\
 Data File : VN064373.D
 Acq On : 29 Oct 2020 14:58
 Operator : JC/MD
 Sample : PB132691TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132691TB

Quant Time: Oct 30 05:32:07 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	241049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	417570	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	419451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	180873	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	185107	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	7.55	113	140730	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
50) Toluene-d8	10.06	98	514479	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.38	95	226893	56.50	ug/l	0.00
Spiked Amount			Recovery	=	113.00%	

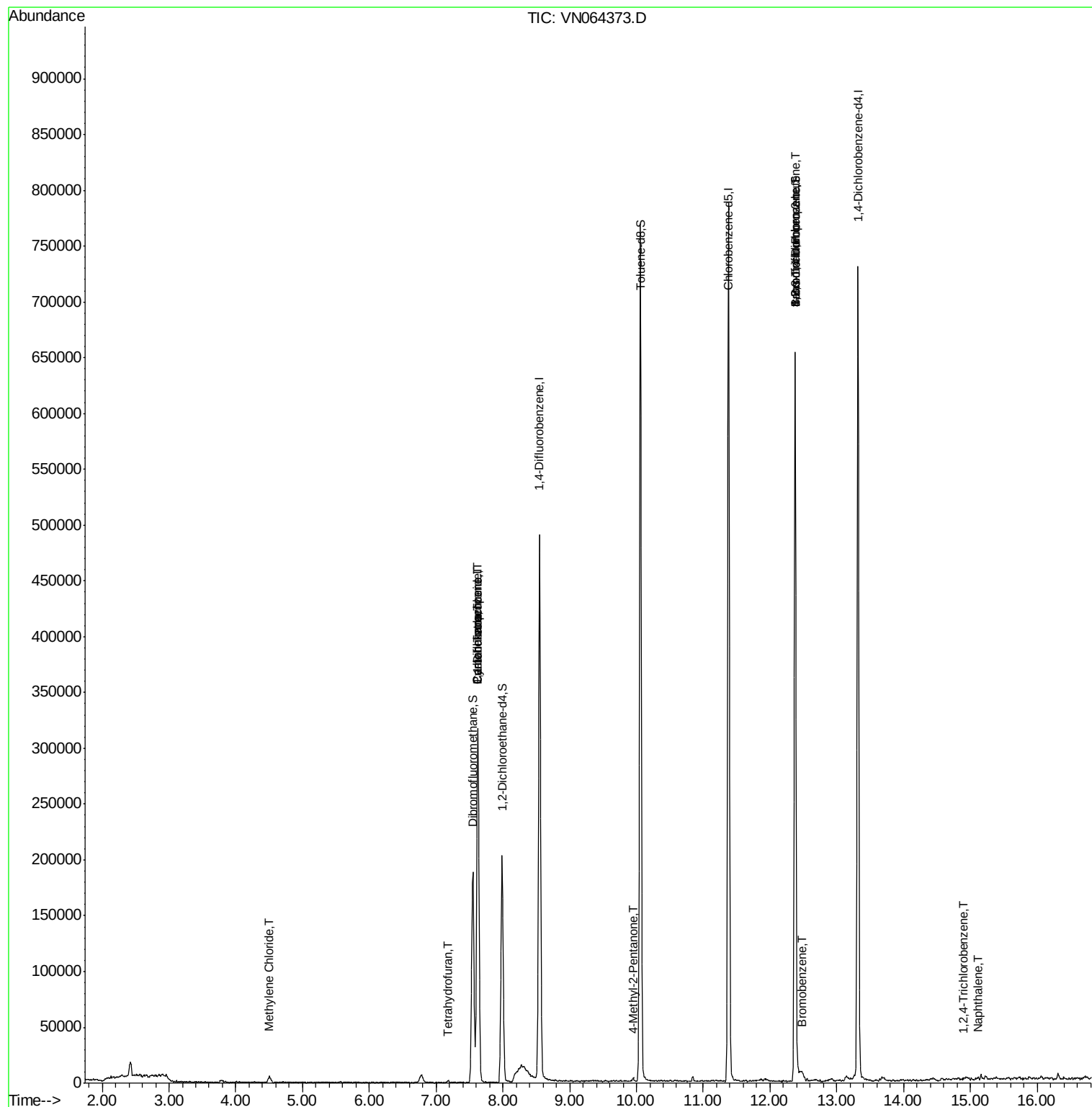
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	2757	Below Cal		90
20) Methylene Chloride	4.50	84	3301	1.202	ug/l	96
29) Tetrahydrofuran	7.18	42	658	0.521	ug/l #	78
31) Cyclohexane	7.62	56	5992	1.333	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	21063	4.998	ug/l #	48
38) Carbon Tetrachloride	7.62	117	26561	5.436	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	2541	0.601	ug/l #	71
71) Bromoform	12.37	173	641	0.238	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	124094	28.650	ug/l #	100
77) Bromobenzene	12.48	156	7552	2.277	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.37	75	124094	82.526	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	69	2.038	ug/l #	1
95) Naphthalene	15.11	128	220	2.413	ug/l #	77

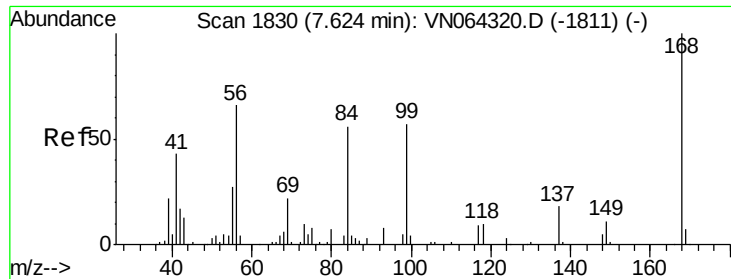
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN064373.D

Acq: 29 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

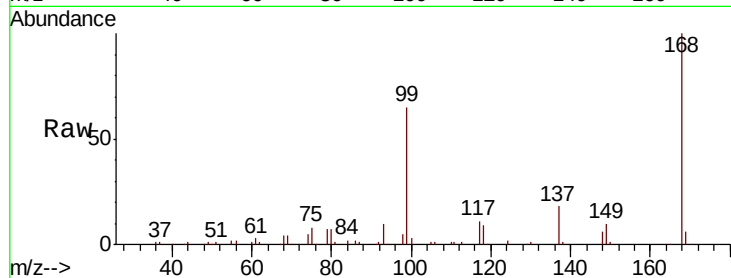
PB132691TB

Tot Ion:168 Resp: 241049

Ion Ratio Lower Upper

168 100

99 64.5 52.7 79.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

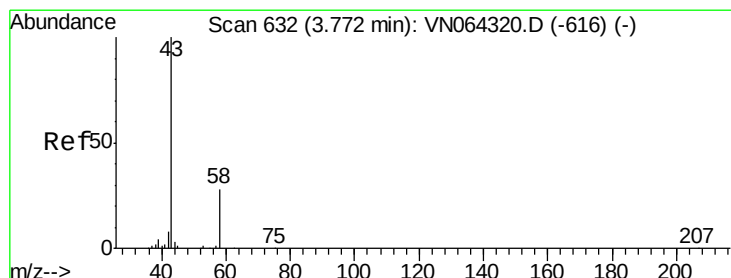
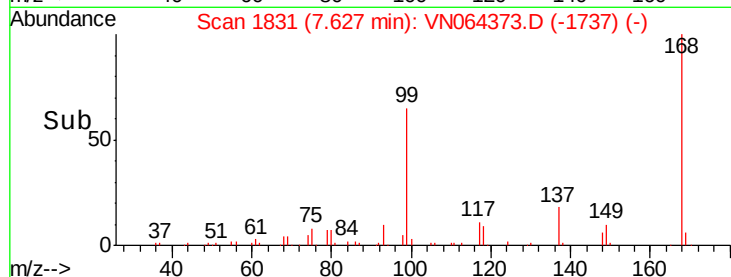
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064373.D

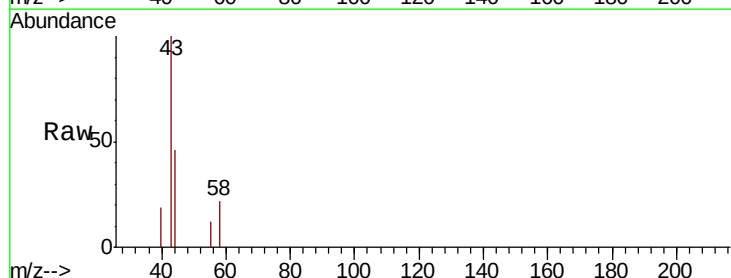
Acq: 29 Oct 2020 14:58

Tgt Ion: 43 Resp: 2757

Ion Ratio Lower Upper

43 100

58 22.4 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

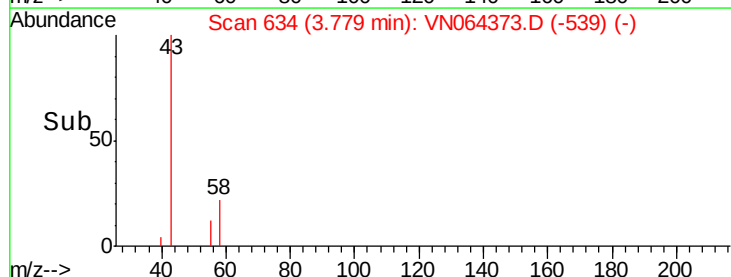
1500

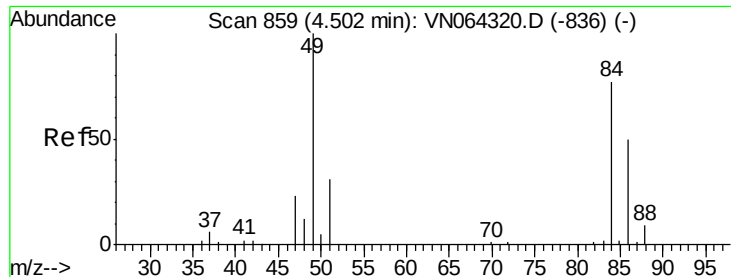
1000

500

0

Time--> 3.72 3.74 3.76 3.78 3.80

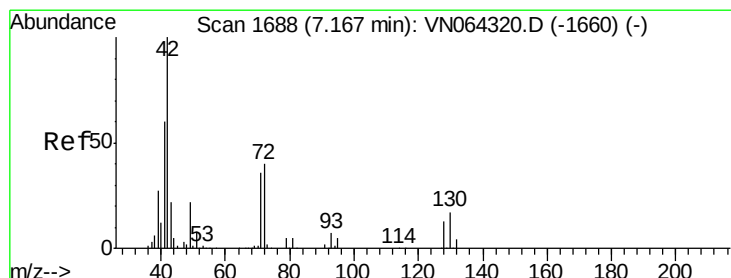
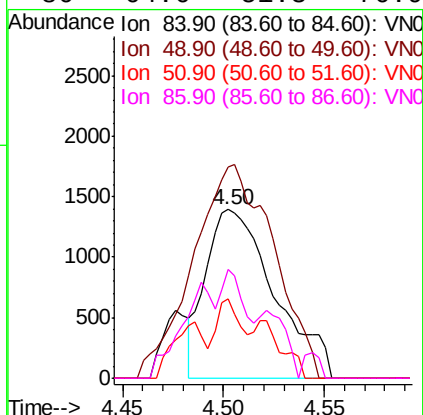
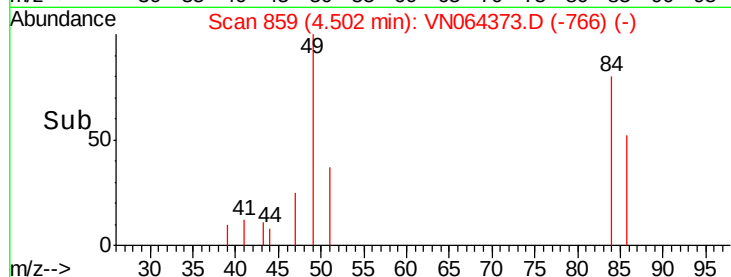
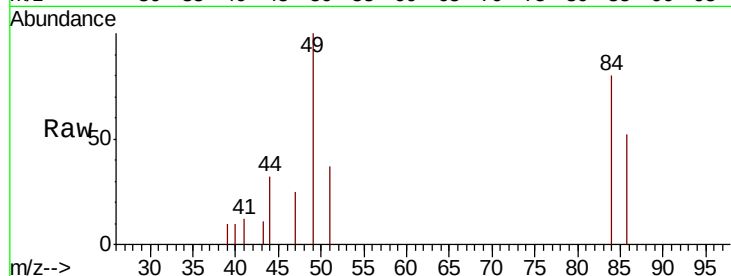




#20
Methylene Chloride
Concen: 1.202 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064373.D
Acq: 29 Oct 2020 14:58

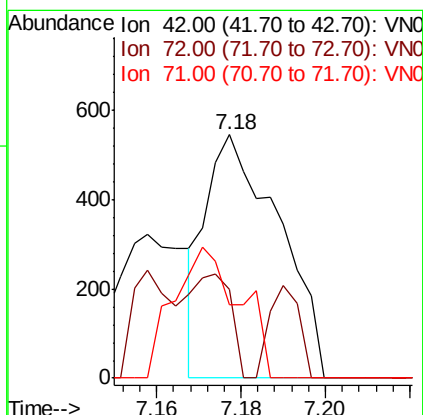
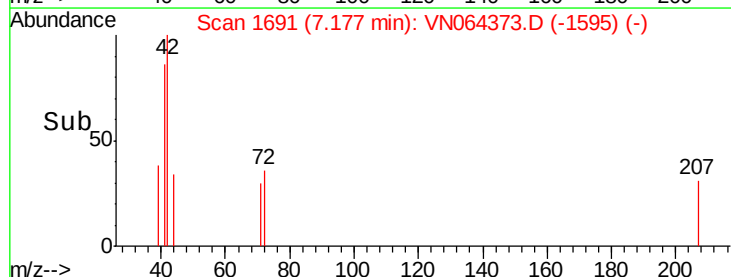
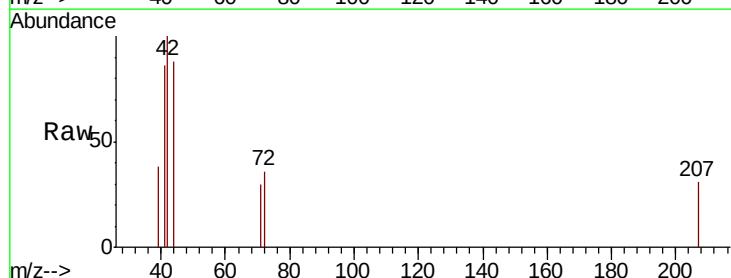
Instrument :
MSVOA_N
ClientSampled :
PB132691TB

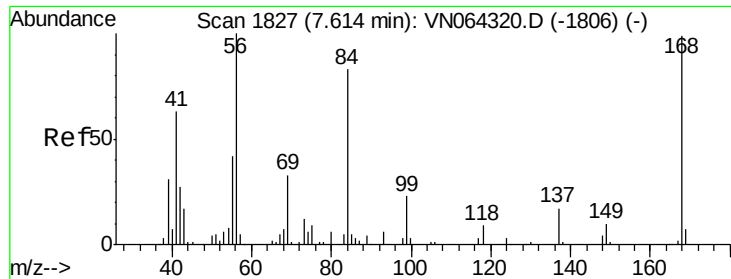
Tot Ion: 84 Resp: 3301
Ion Ratio Lower Upper
84 100
49 125.4 103.6 155.4
51 46.6 31.8 47.8
86 64.6 51.3 76.9



#29
Tetrahydrofuran
Concen: 0.521 ug/l
RT: 7.18 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN064373.D
Acq: 29 Oct 2020 14:58

Tgt Ion: 42 Resp: 658
Ion Ratio Lower Upper
42 100
72 24.8 31.6 47.4#
71 48.3 29.4 44.0#

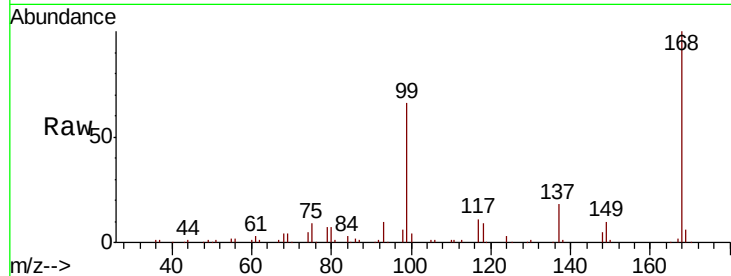




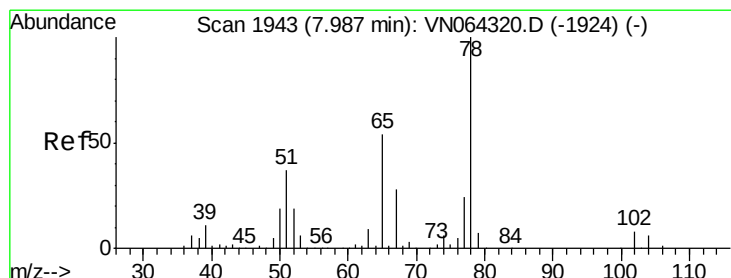
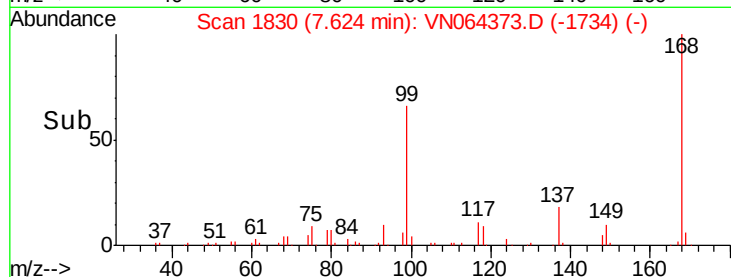
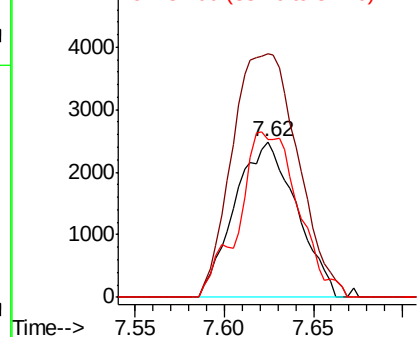
#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064373.D
Acq: 29 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampled :
PB132691TB

Tot Ion: 56 Resp: 5992
Ion Ratio Lower Upper
56 100
69 156.4 25.8 38.8#
84 108.0 66.3 99.5#

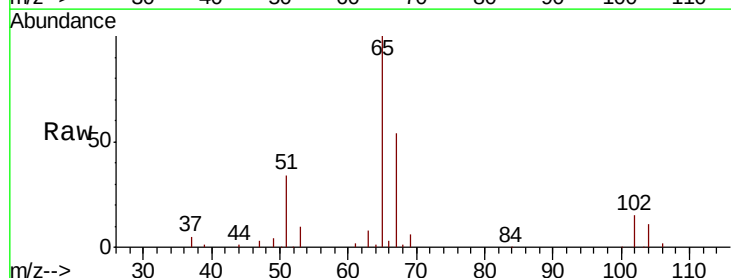


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

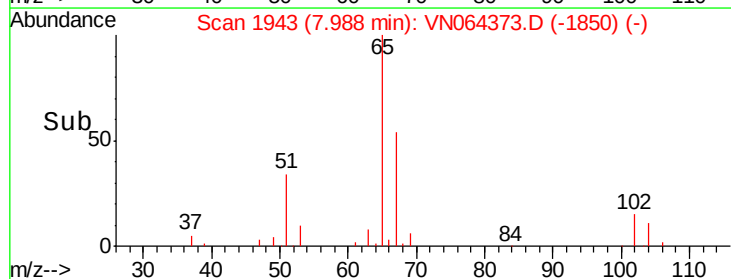
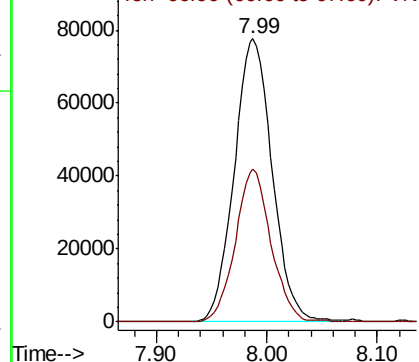


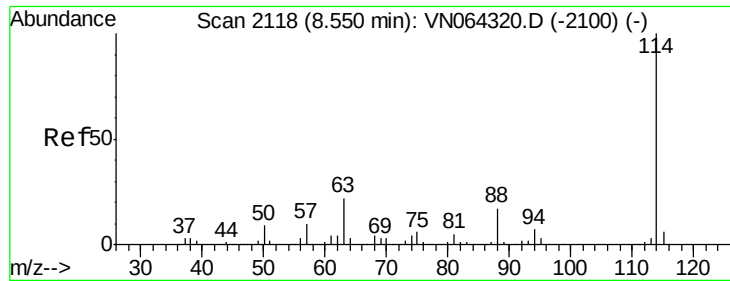
#33
1,2-Dichloroethane-d4
Concen: 47.787 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064373.D
Acq: 29 Oct 2020 14:58

Tgt Ion: 65 Resp: 185107
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.2



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

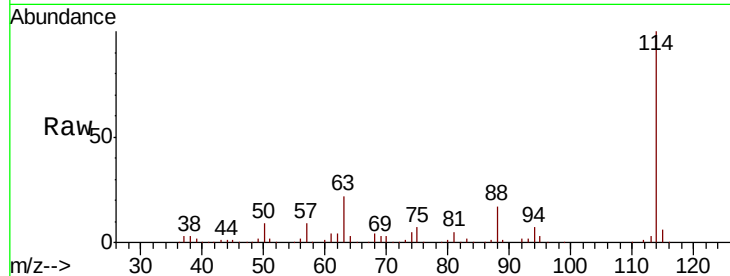




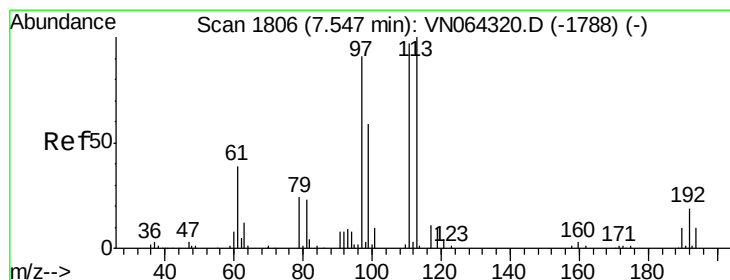
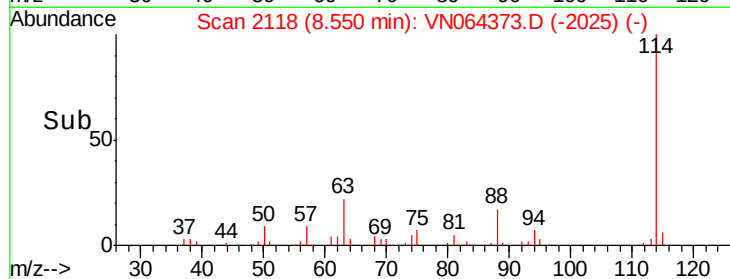
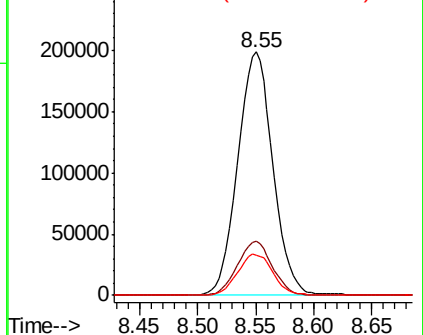
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064373.D
 Acq: 29 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132691TB

Tot Ion:114 Resp: 417570
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.6
 88 16.7 0.0 33.4

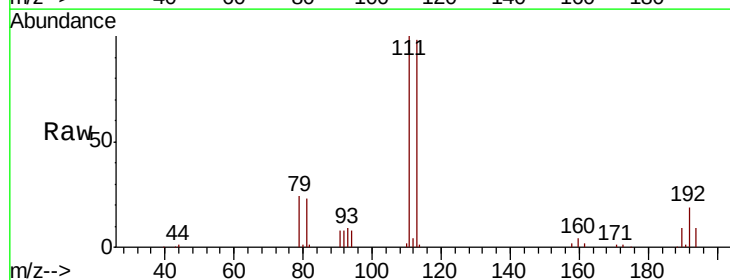


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

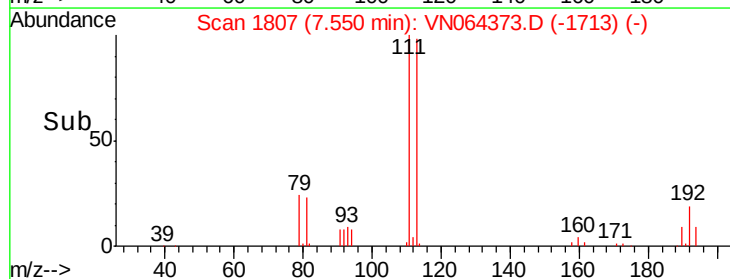
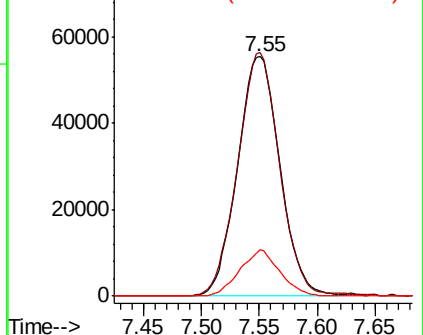


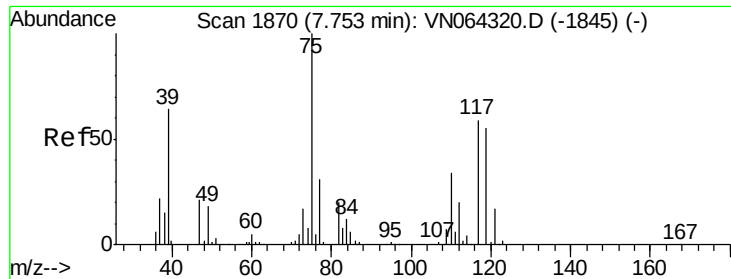
#35
 Dibromofluoromethane
 Concen: 50.537 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064373.D
 Acq: 29 Oct 2020 14:58

Tgt Ion:113 Resp: 140730
 Ion Ratio Lower Upper
 113 100
 111 100.2 81.5 122.3
 192 18.2 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

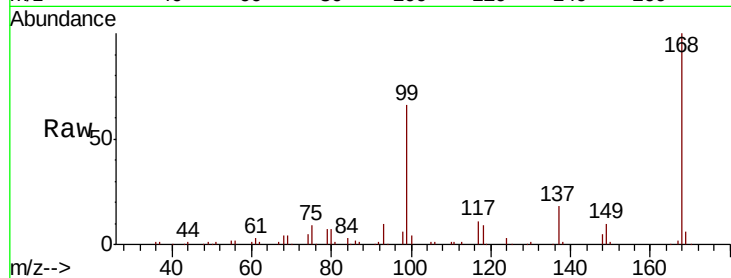




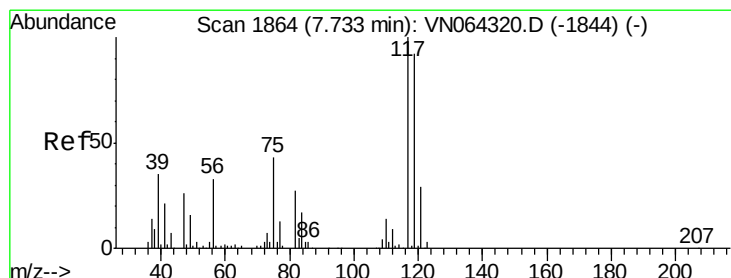
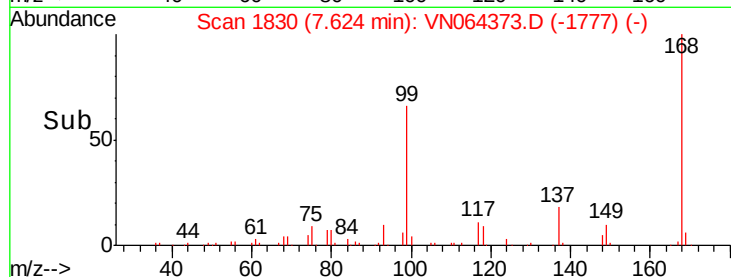
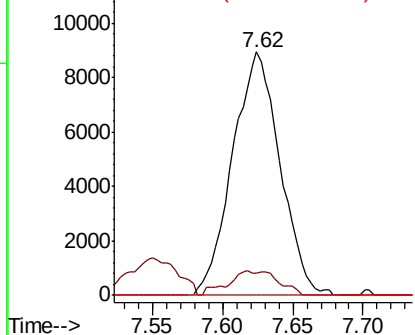
#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064373.D
 Acq: 29 Oct 2020 14:58

Instrument :
 MSVOA_N
 ClientSampleId :
 PB132691TB

Tot Ion: 75 Resp: 21063
 Ion Ratio Lower Upper
 75 100
 110 6.1 16.8 50.3#
 77 0.0 24.2 36.4#

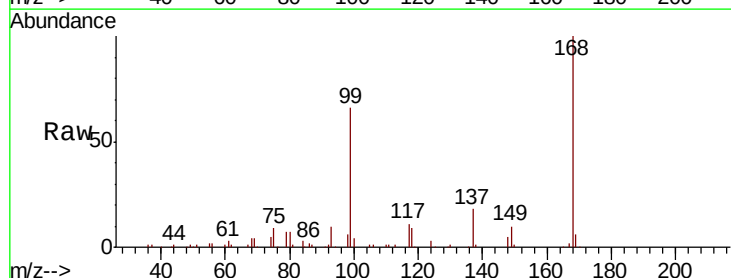


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

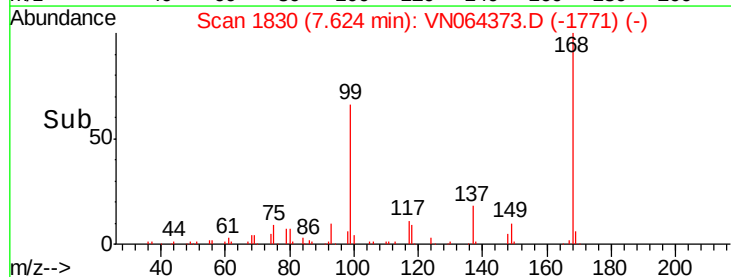
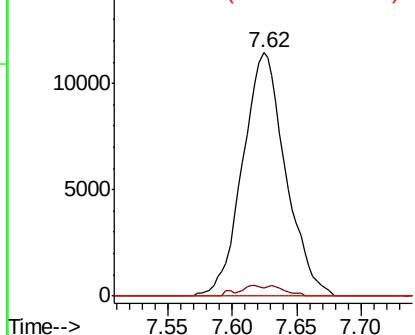


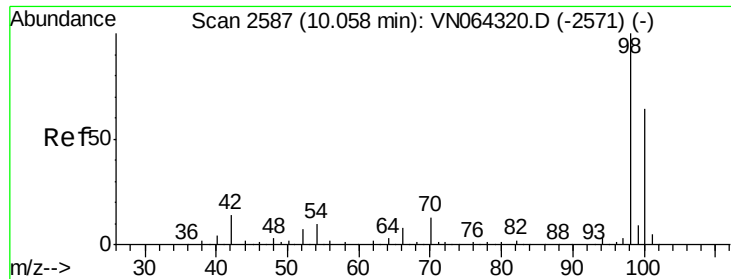
#38
 Carbon Tetrachloride
 Concen: 5.436 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064373.D
 Acq: 29 Oct 2020 14:58

Tgt Ion: 117 Resp: 26561
 Ion Ratio Lower Upper
 117 100
 119 3.3 73.7 110.5#
 121 0.0 22.8 34.2#



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





#50

Toluene-d8

Concen: 49.949 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064373.D

Acq: 29 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampled :

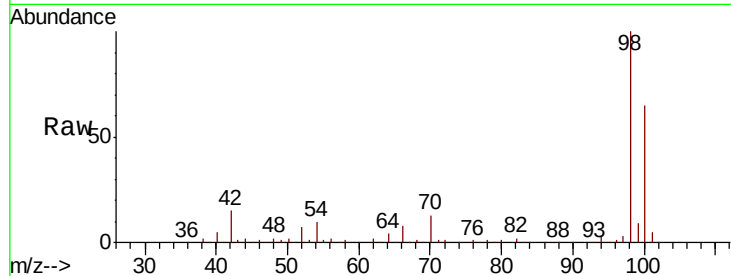
PB132691TB

Tot Ion: 98 Resp: 514479

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN064320.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064320.D (-2571) (-)

10.06

250000

200000

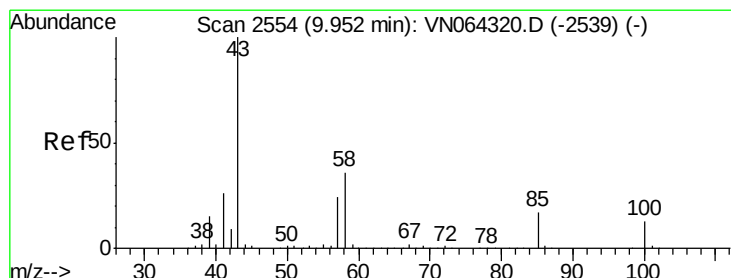
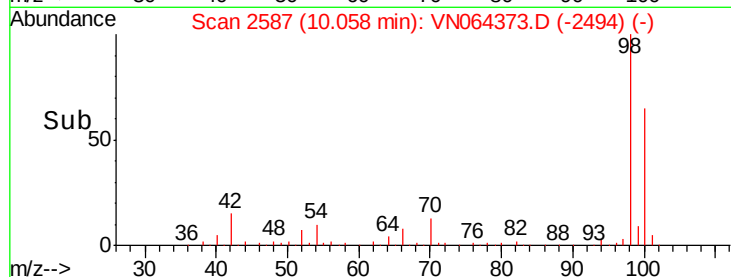
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064373.D

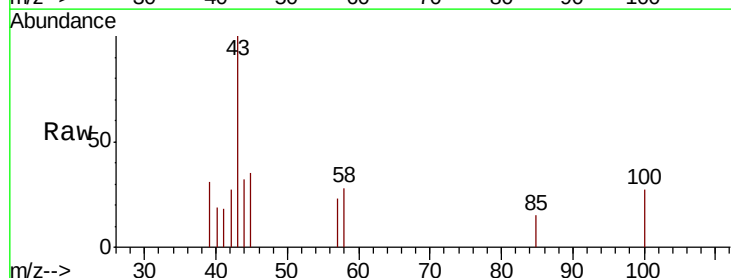
Acq: 29 Oct 2020 14:58

Tgt Ion: 43 Resp: 2541

Ion Ratio Lower Upper

43 100

58 18.5 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN064320.D (-2539) (-)

9.96

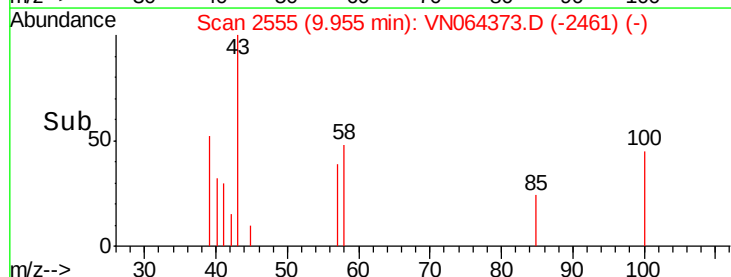
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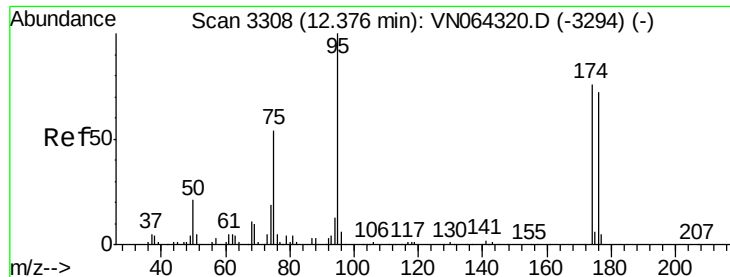
1000

500

0

Time-->

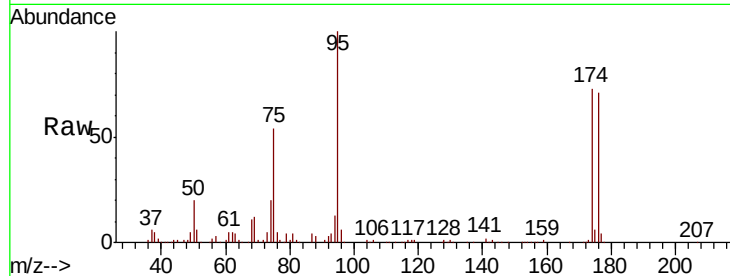




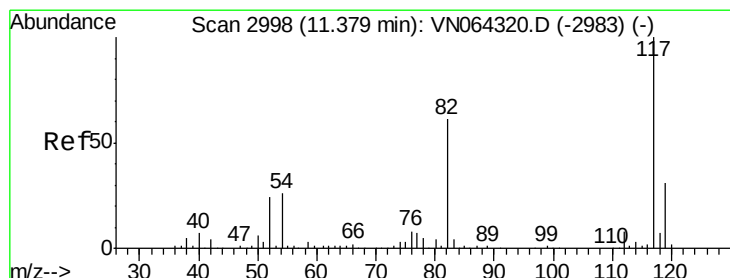
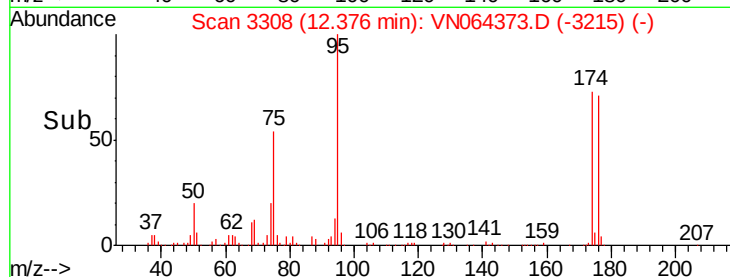
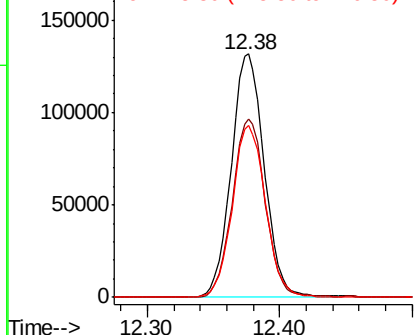
#62
4-Bromofluorobenzene
Concen: 56.498 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064373.D
Acq: 29 Oct 2020 14:58

Instrument :
MSVOA_N
ClientSampleId :
PB132691TB

Tot Ion: 95 Resp: 226893
Ion Ratio Lower Upper
95 100
174 73.5 0.0 147.4
176 71.1 0.0 143.6

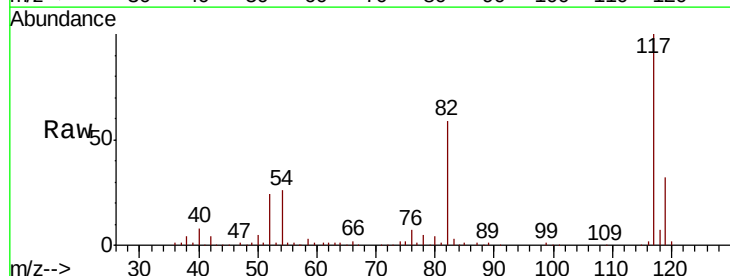


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN0
Ion 175.80 (175.50 to 176.50): VN0

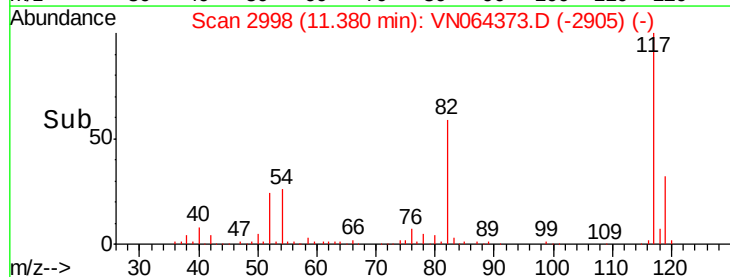
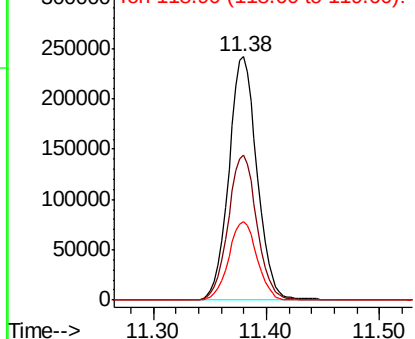


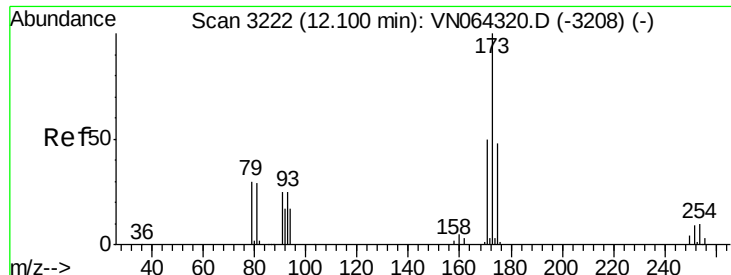
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064373.D
Acq: 29 Oct 2020 14:58

Tgt Ion: 117 Resp: 419451
Ion Ratio Lower Upper
117 100
82 59.4 48.8 73.2
119 32.0 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): VN0
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.238 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN064373.D

Acq: 29 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampled :

PB132691TB

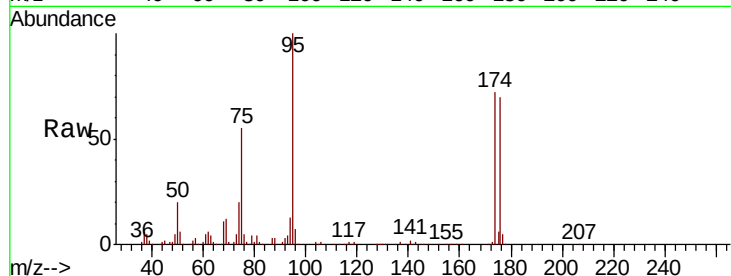
Tot Ion:173 Resp: 641

Ion Ratio Lower Upper

173 100

175 1804.8 25.4 76.0#

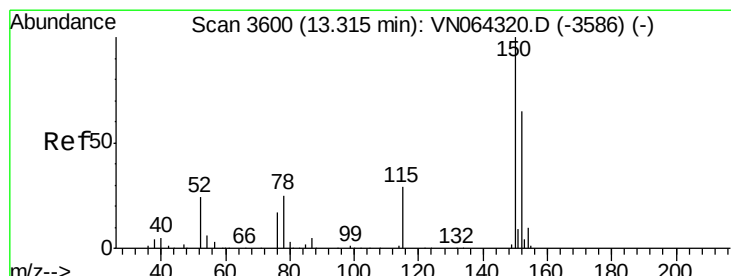
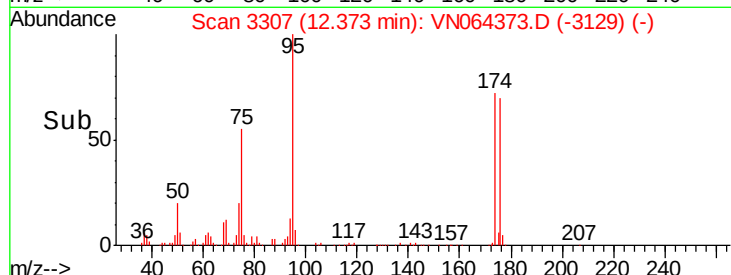
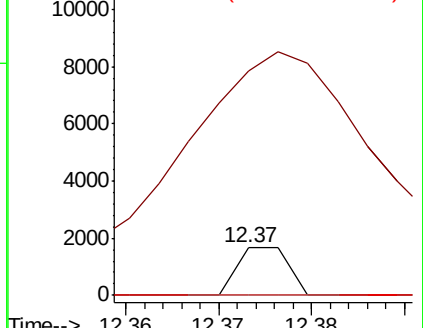
254 0.0 0.0 0.0



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: VN064373.D

Acq: 29 Oct 2020 14:58

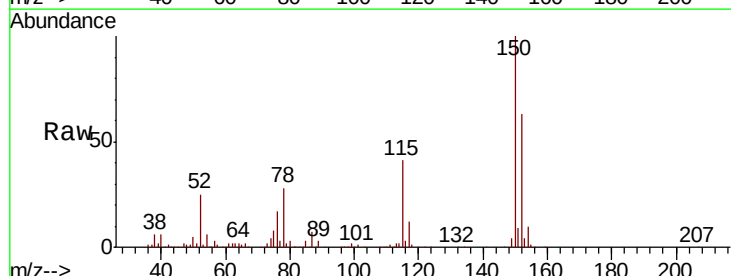
Tgt Ion:152 Resp: 180873

Ion Ratio Lower Upper

152 100

115 64.5 31.5 94.5

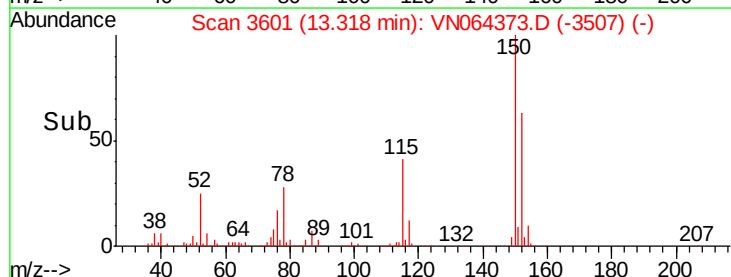
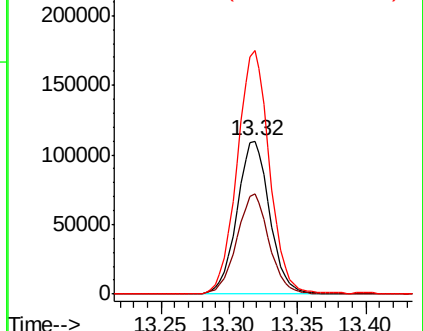
150 159.1 0.0 346.2

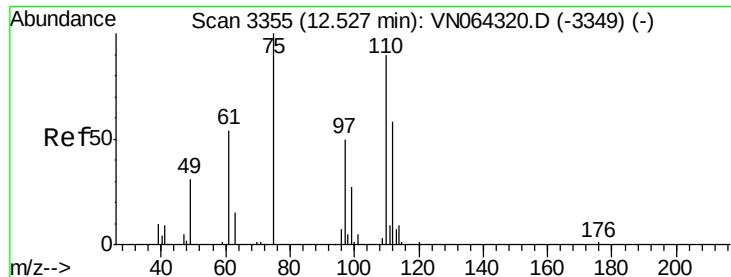


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

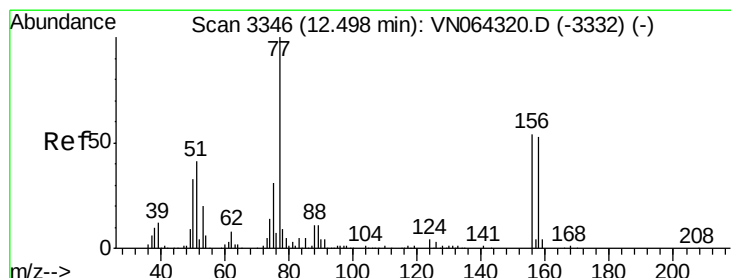
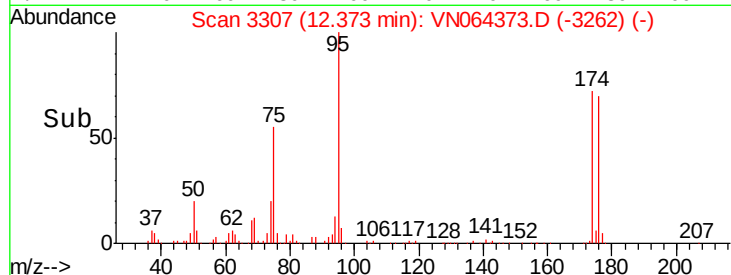
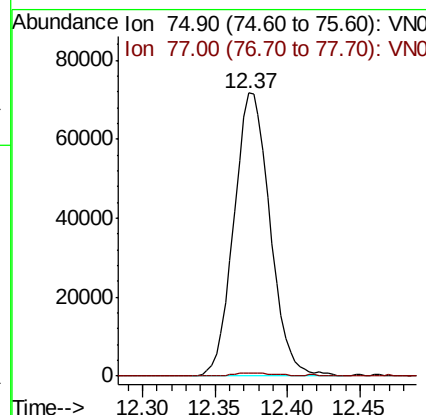
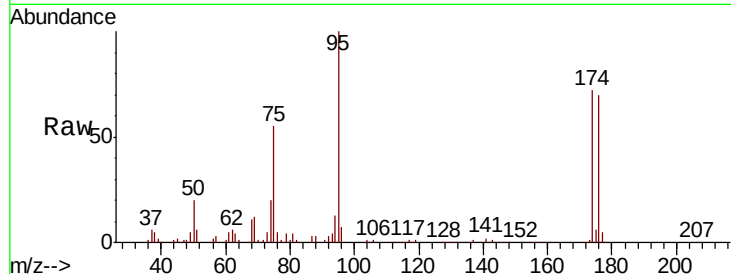




#76
 1,2,3-Trichloropropane
 Concen: 28.650 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064373.D
 Acq: 29 Oct 2020 14:58

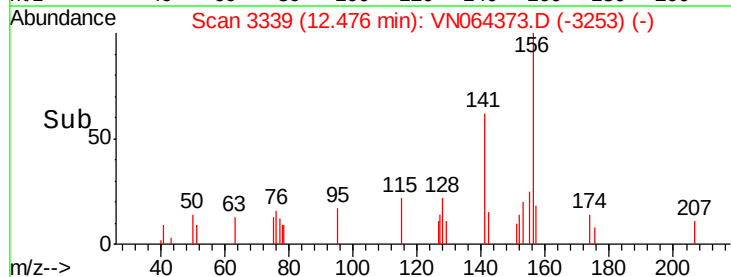
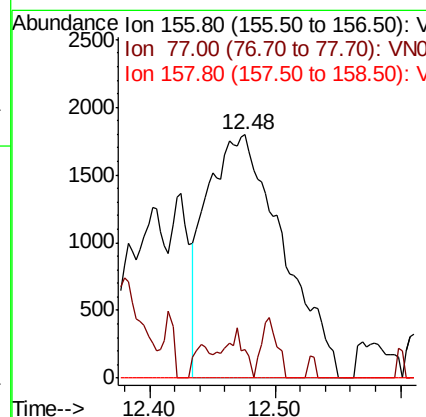
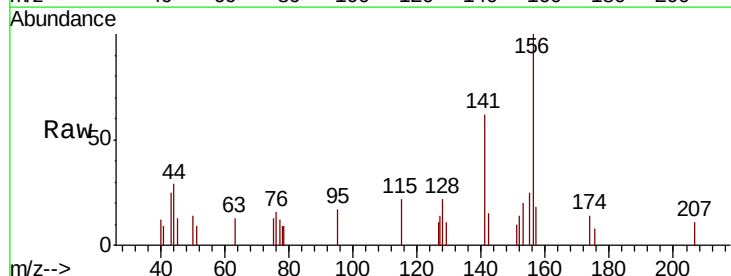
Instrument :
 MSVOA_N
 ClientSampled :
 PB132691TB

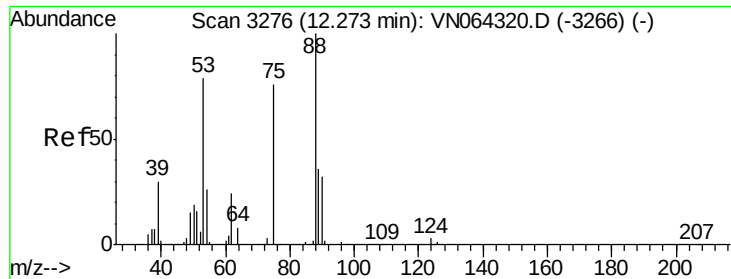
Tot Ion: 75 Resp: 124094
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#77
 Bromobenzene
 Concen: 2.277 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.02 min
 Lab File: VN064373.D
 Acq: 29 Oct 2020 14:58

Tgt Ion: 156 Resp: 7552
 Ion Ratio Lower Upper
 156 100
 77 4.3 111.9 335.7#
 158 0.0 49.0 147.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 82.526 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064373.D

Acq: 29 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

PB132691TB

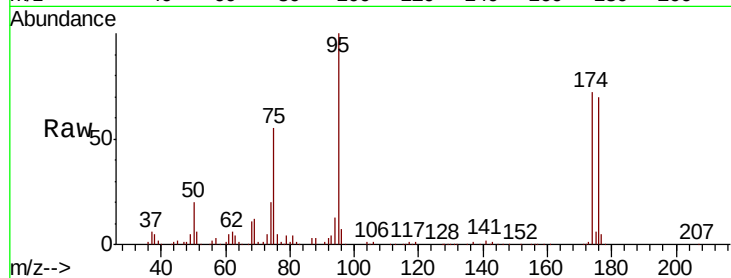
Tot Ion: 75 Resp: 124094

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.8#

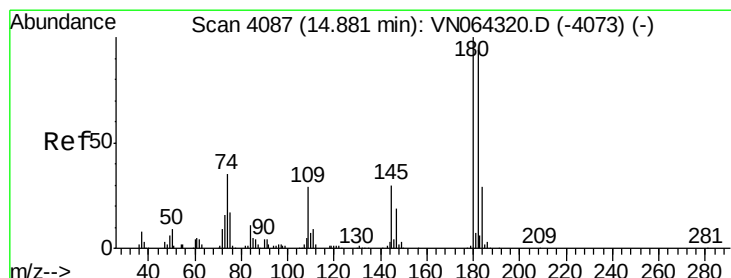
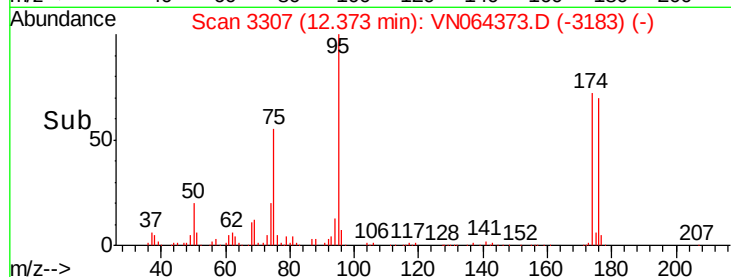
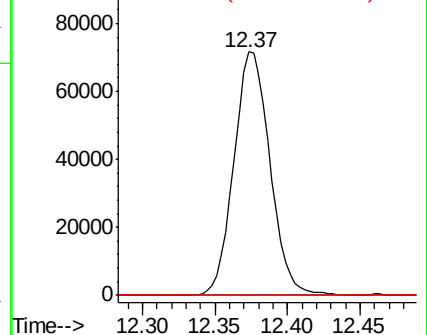
89 0.0 39.9 59.9#



Abundance Ion 74.90 (74.60 to 75.60): VN064320.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064320.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064320.D (-3266) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.038 ug/l

RT: 14.89 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN064373.D

Acq: 29 Oct 2020 14:58

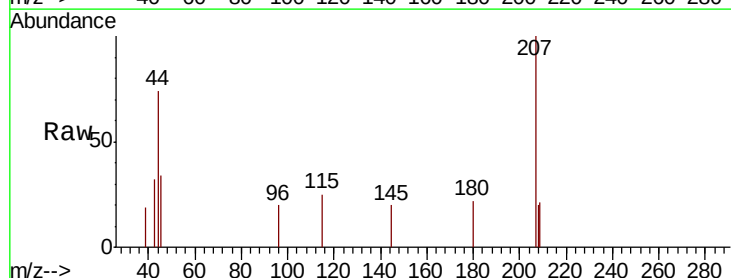
Tgt Ion: 180 Resp: 69

Ion Ratio Lower Upper

180 100

182 0.0 46.6 139.7#

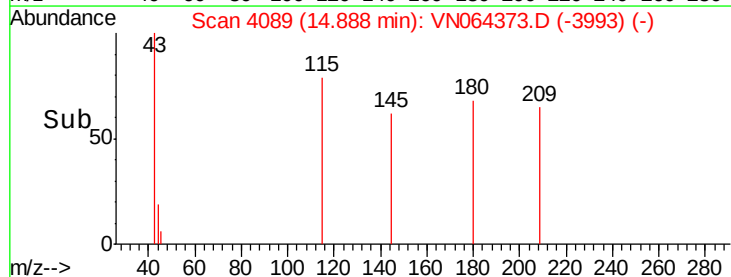
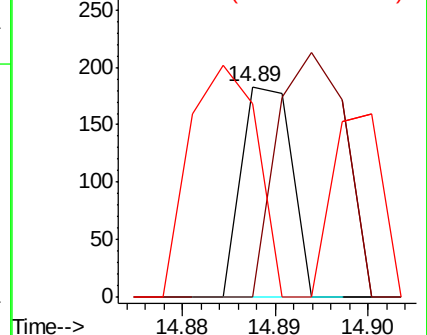
145 147.8 15.3 45.9#

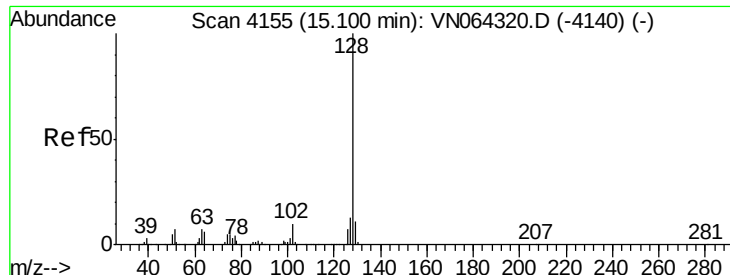


Abundance Ion 179.80 (179.50 to 180.50): VN064320.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN064320.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN064320.D (-4073) (-)





#95

Naphthalene

Concen: 2.413 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN064373.D

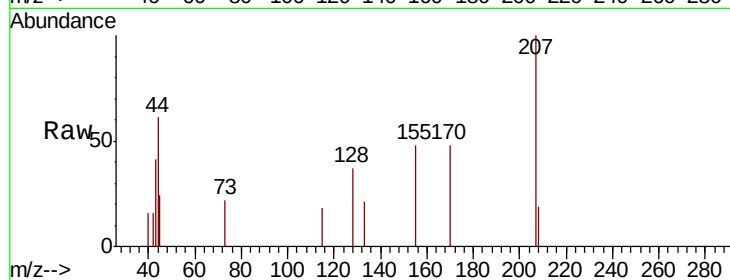
Acq: 29 Oct 2020 14:58

Instrument :

MSVOA_N

ClientSampleId :

PB132691TB



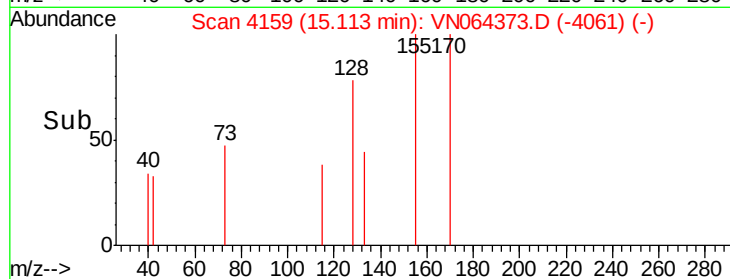
Tot Ion:128 Resp: 220

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

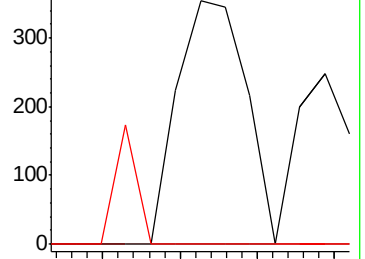
129 15.5 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->