

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064288.D
 Acq On : 23 Oct 2020 16:08
 Operator : JC/MD
 Sample : VN1023MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBL01

Quant Time: Oct 23 16:33:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	260272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	444521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198024	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	201146	52.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.08%	
35) Dibromofluoromethane	7.55	113	151782	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
50) Toluene-d8	10.06	98	563807	51.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.38	95	239572	54.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.72%	

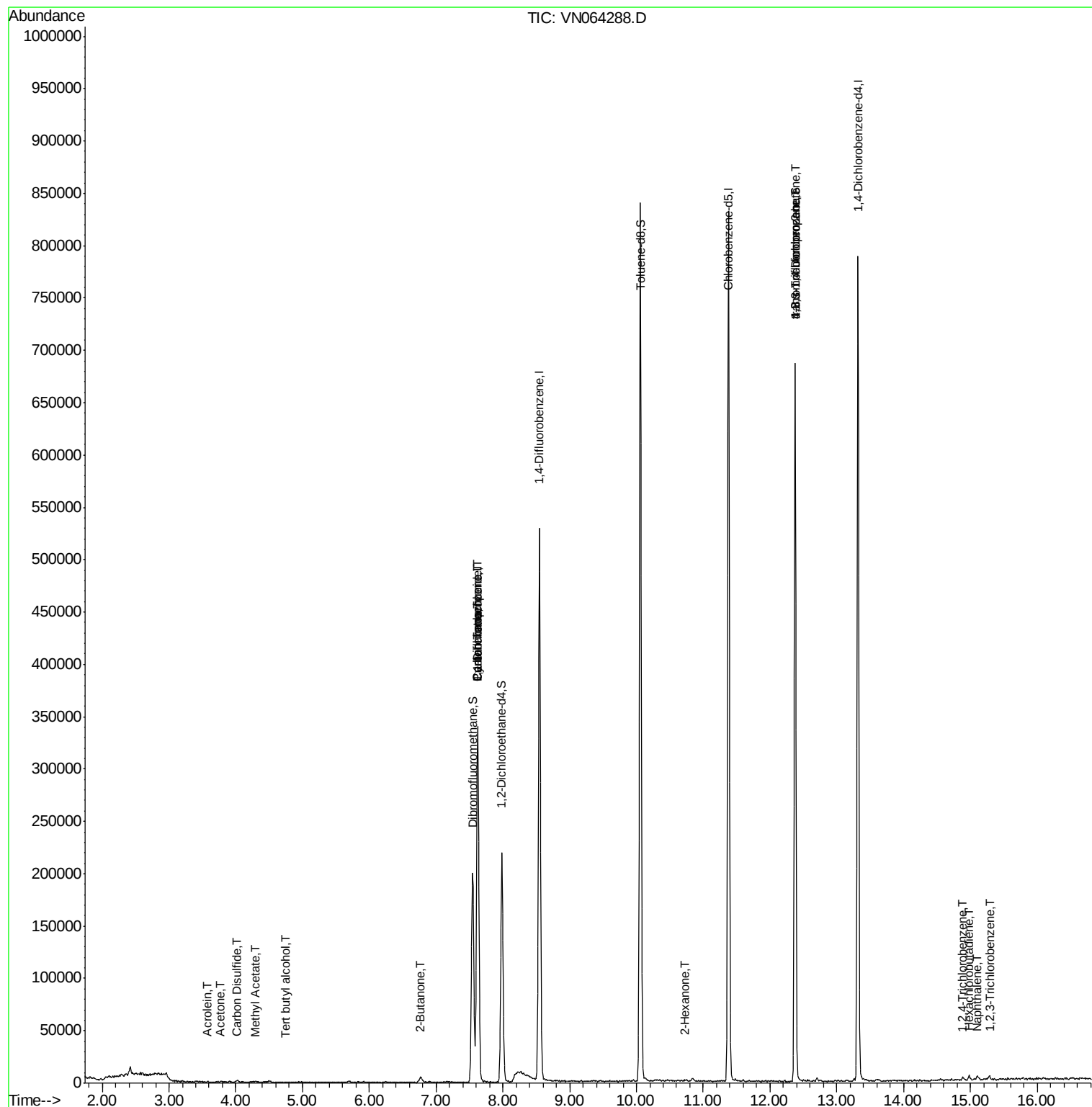
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	121	0.234	ug/l #	70
13) Acrolein	3.58	56	298	0.918	ug/l #	64
16) Acetone	3.76	43	742	0.671	ug/l #	49
17) Carbon Disulfide	4.01	76	1836	0.264	ug/l #	71
18) Methyl Acetate	4.29	43	821	0.291	ug/l #	53
25) 2-Butanone	6.78	43	805	0.458	ug/l #	51
31) Cyclohexane	7.62	56	6124	1.337	ug/l #	25
36) 1,1-Dichloropropene	7.62	75	22303	4.963	ug/l #	51
38) Carbon Tetrachloride	7.62	117	28775	5.628	ug/l #	15
59) 2-Hexanone	10.73	43	907	0.306	ug/l #	44
76) 1,2,3-Trichloropropane	12.37	75	134436	32.203	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	134436	81.303	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.88	180	1007	0.288	ug/l	77
94) Hexachlorobutadiene	14.98	225	1223	0.650	ug/l #	33
95) Naphthalene	15.11	128	4027	0.385	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.29	180	1409	0.408	ug/l	88

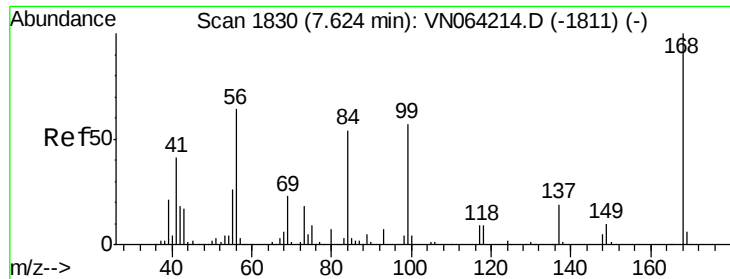
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102320\
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Acq On : 23 Oct 2020 16:08
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Sample : VN1023MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBL01

Quant Time: Oct 23 16:33:38 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 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: VN064288.D

Acq: 23 Oct 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

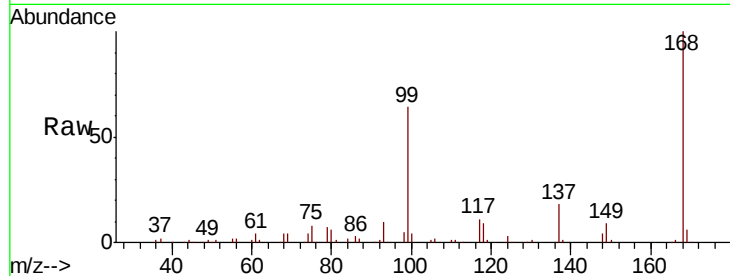
VN1023MBL01

Tot Ion:168 Resp: 260272

Ion Ratio Lower Upper

168 100

99 64.4 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

120000

100000

80000

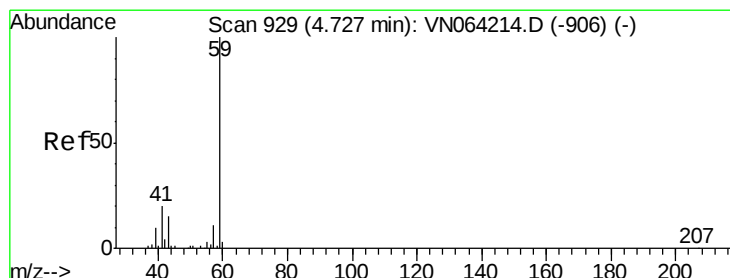
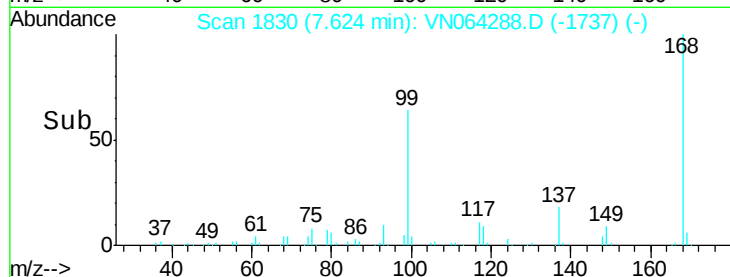
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 0.234 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.01 min

Lab File: VN064288.D

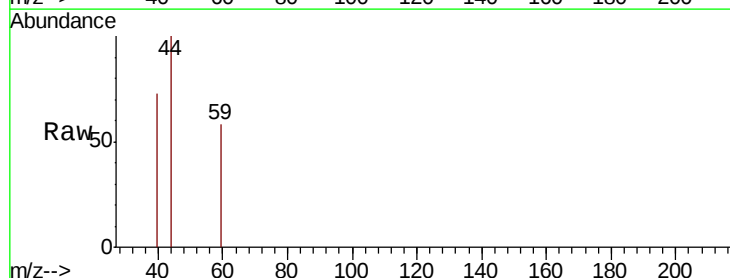
Acq: 23 Oct 2020 16:08

Tgt Ion: 59 Resp: 121

Ion Ratio Lower Upper

59 100

57 0.0 9.2 13.8#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.73

250

200

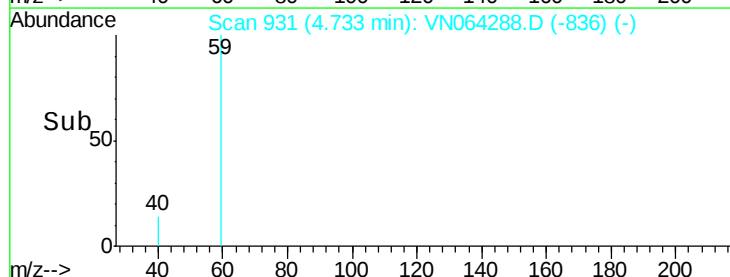
150

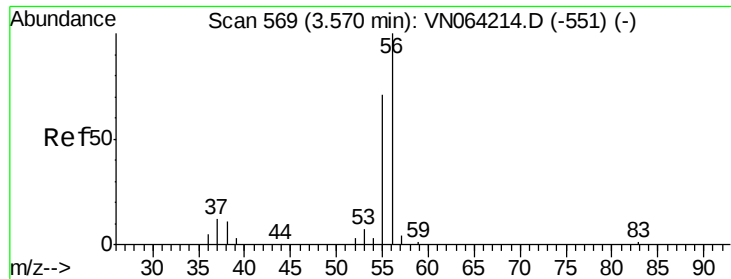
100

50

0

Time--> 4.72 4.73 4.74 4.75





#13

Acrolein

Concen: 0.918 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

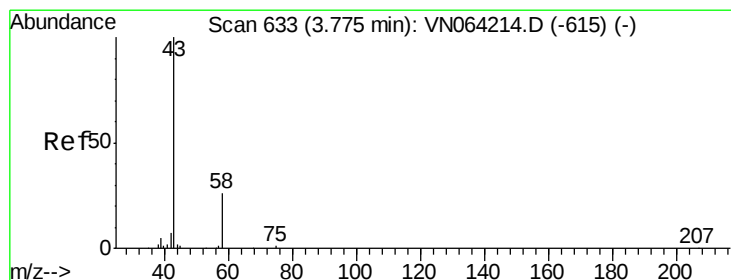
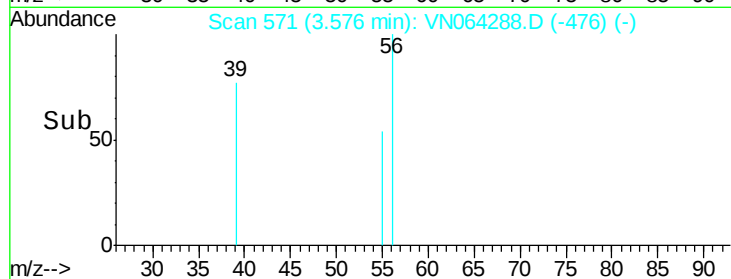
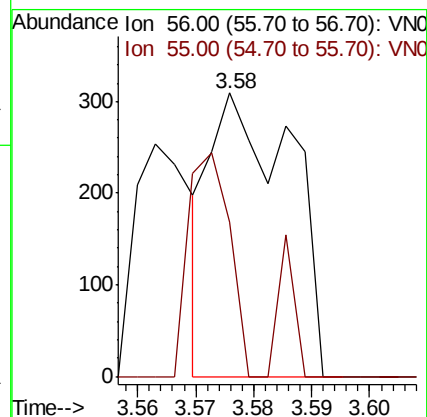
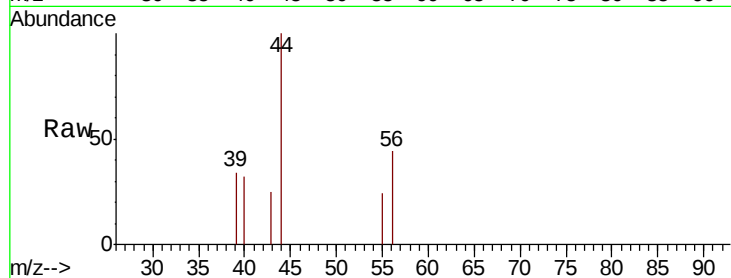
VN1023MBL01

Tot Ion: 56 Resp: 298

Ion Ratio Lower Upper

56 100

55 40.9 56.1 84.1#



#16

Acetone

Concen: 0.671 ug/l

RT: 3.76 min Scan# 629

Delta R.T. -0.01 min

Lab File: VN064288.D

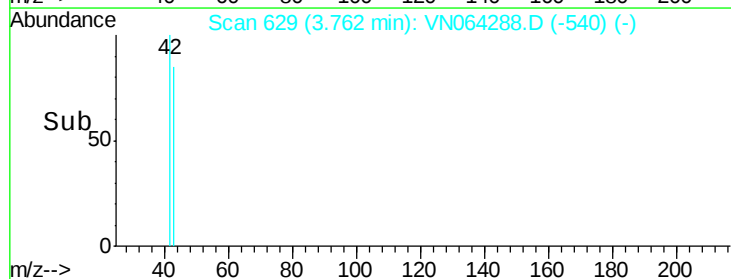
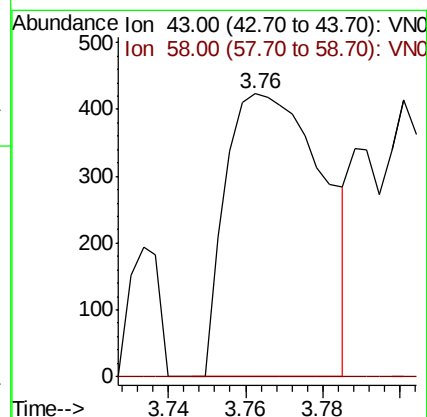
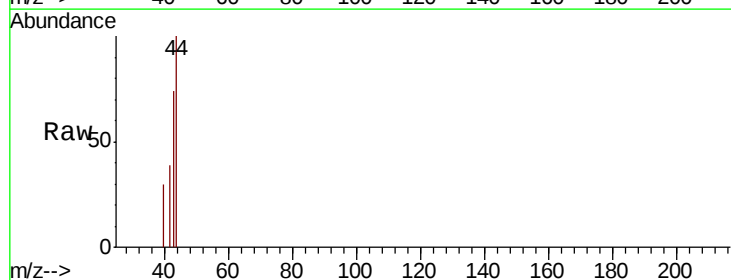
Acq: 23 Oct 2020 16:08

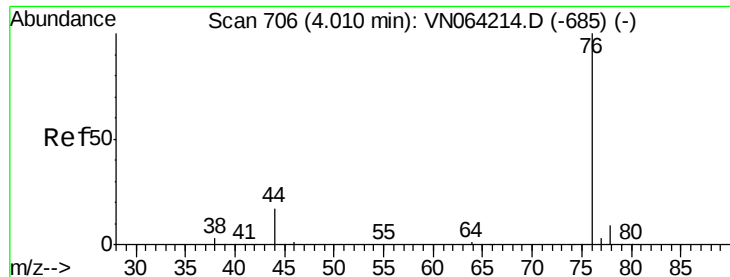
Tgt Ion: 43 Resp: 742

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.4#

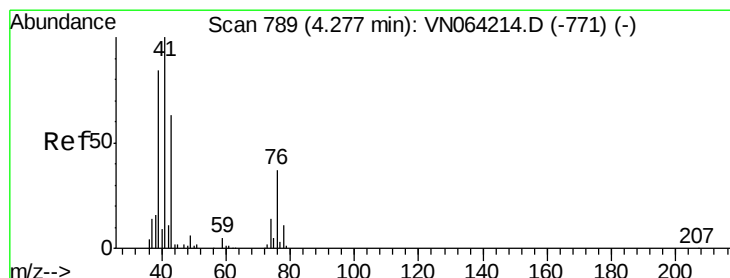
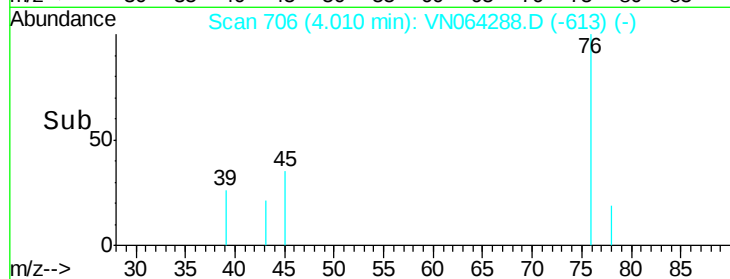
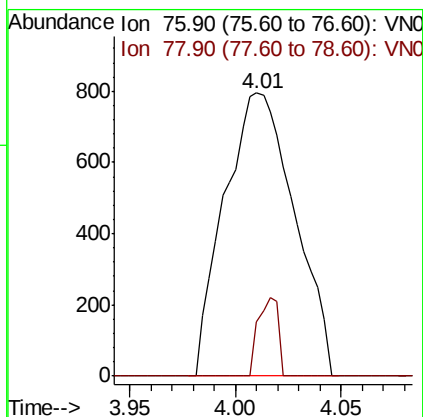
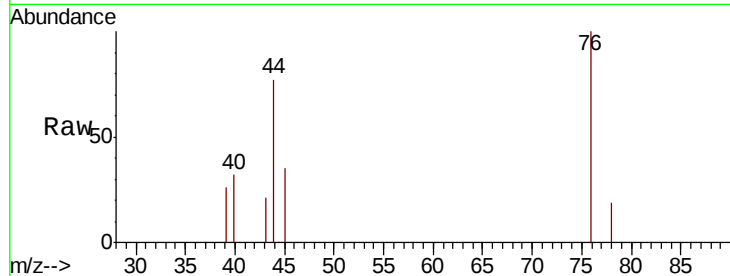




#17
Carbon Disulfide
Concen: 0.264 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064288.D
Acq: 23 Oct 2020 16:08

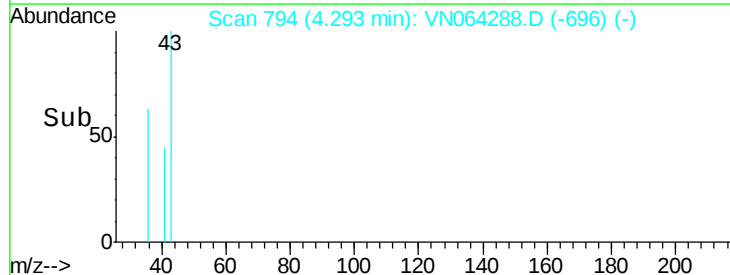
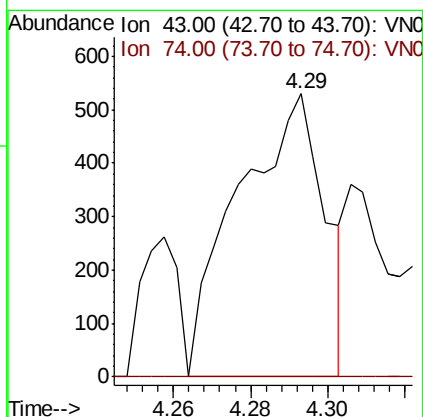
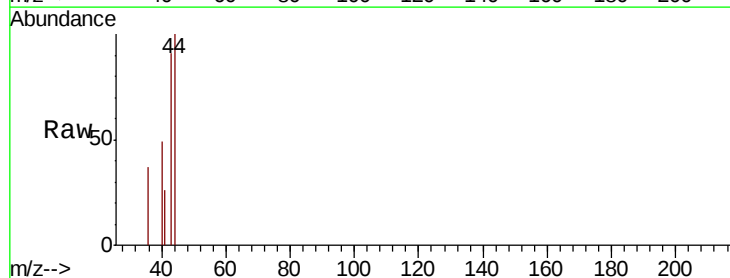
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBL01

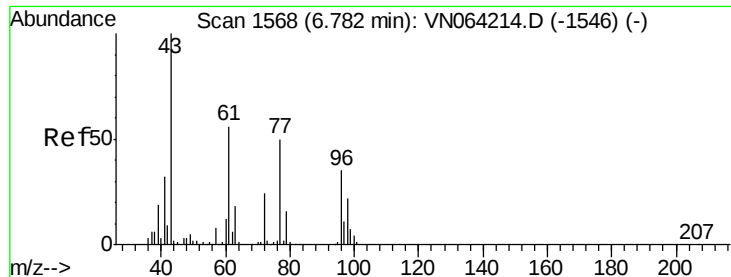
Tot Ion: 76 Resp: 1836
Ion Ratio Lower Upper
76 100
78 19.2 7.1 10.7#



#18
Methyl Acetate
Concen: 0.291 ug/l
RT: 4.29 min Scan# 794
Delta R.T. 0.02 min
Lab File: VN064288.D
Acq: 23 Oct 2020 16:08

Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#





#25

2-Butanone

Concen: 0.458 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

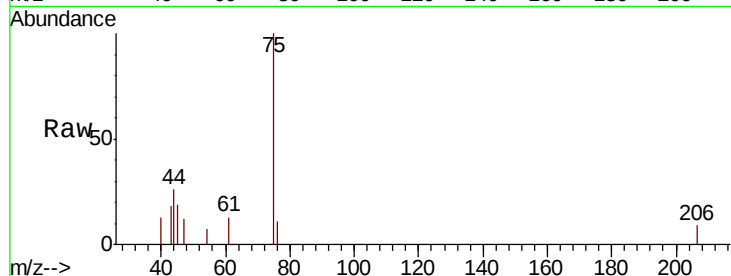
VN1023MBL01

Tot Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

500

400

300

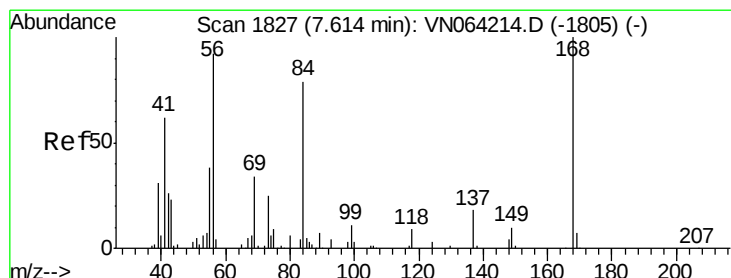
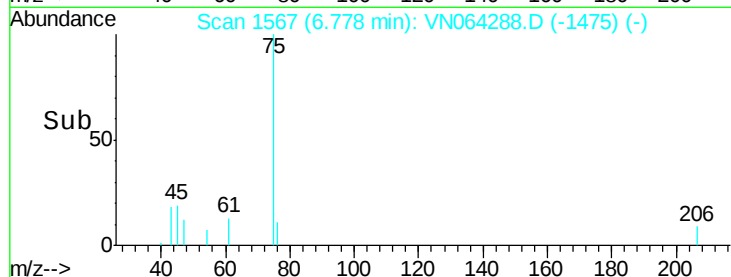
200

100

0

6.74 6.76 6.78 6.80

Time-->



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

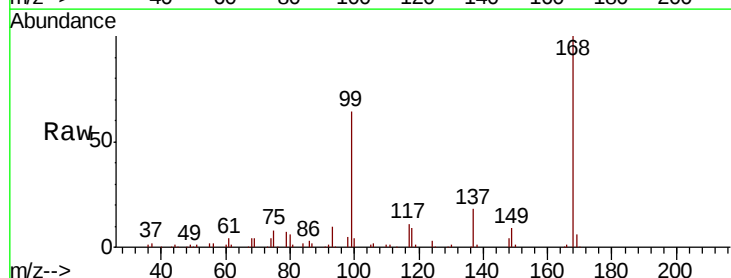
Tgt Ion: 56 Resp: 6124

Ion Ratio Lower Upper

56 100

69 161.6 29.8 44.6#

84 100.7 68.1 102.1



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

6000

5000

4000

3000

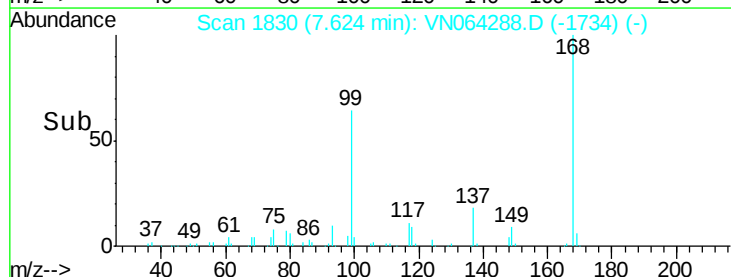
2000

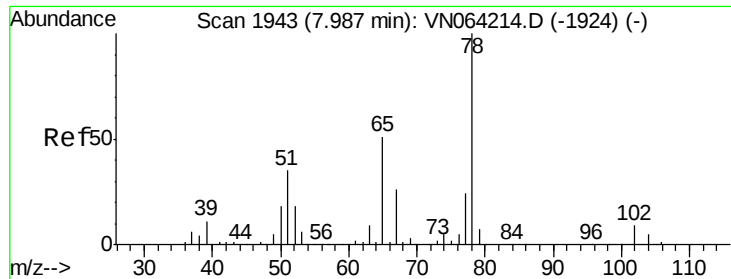
1000

0

7.55 7.60 7.65 7.70

Time-->

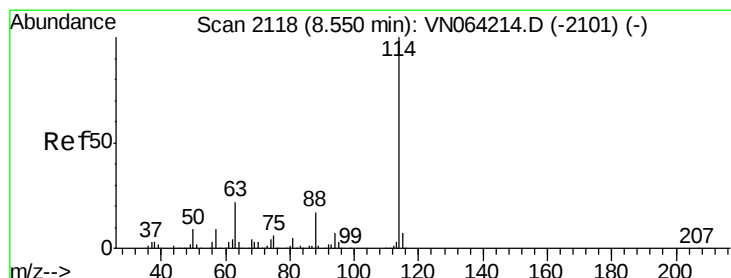
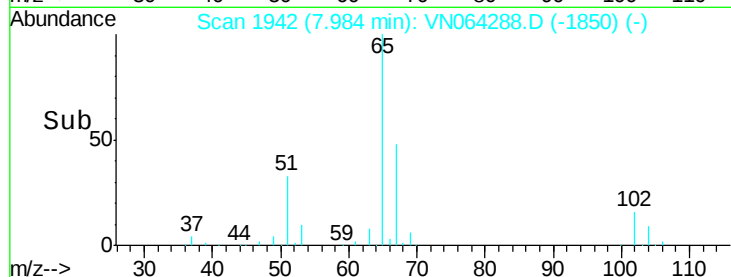
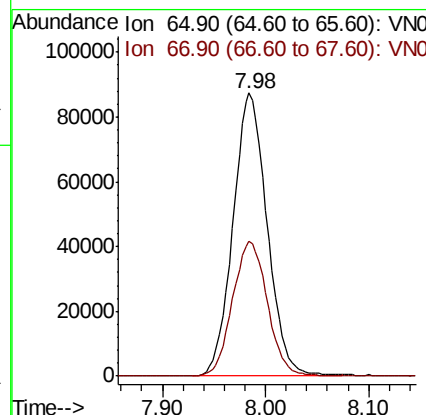
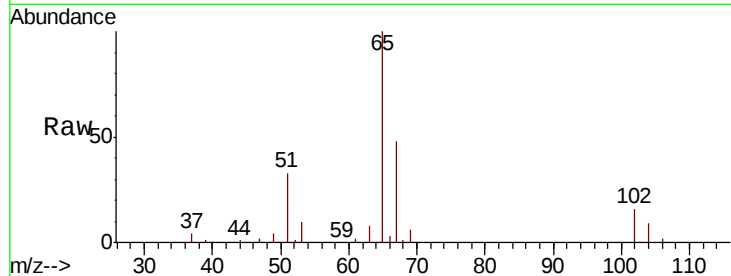




#33
 1,2-Dichloroethane-d4
 Concen: 52.040 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

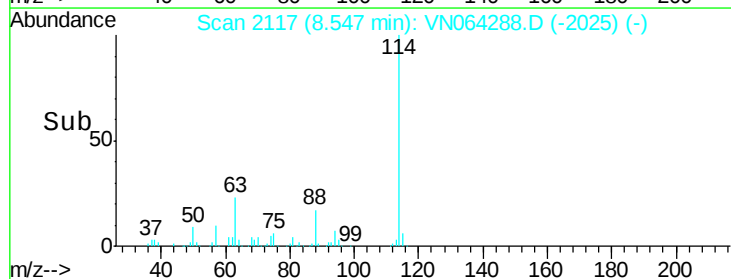
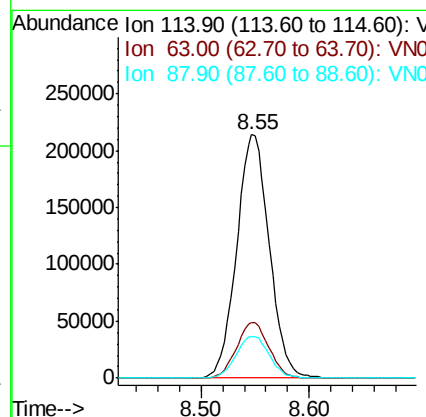
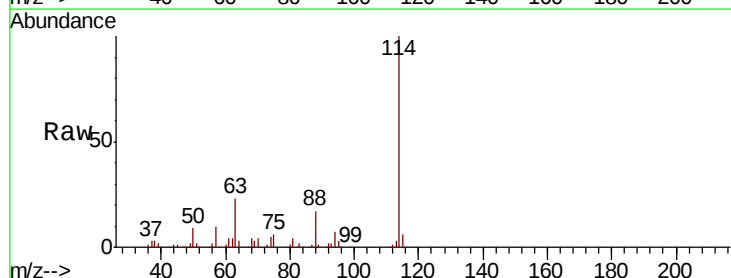
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBL01

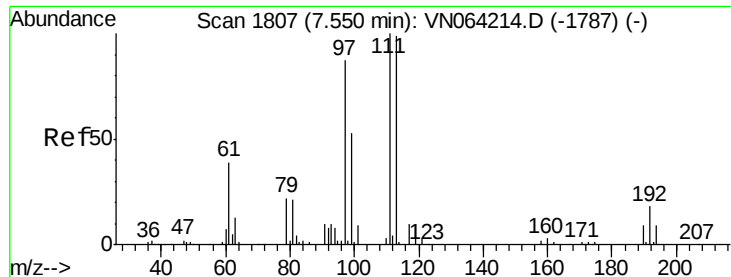
Tot Ion: 65 Resp: 201146
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

Tgt Ion: 114 Resp: 450734
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.0
 88 17.3 0.0 34.2

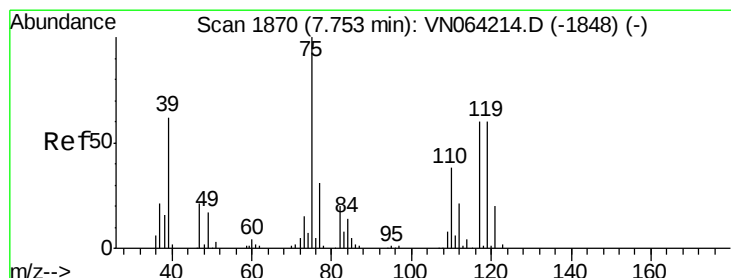
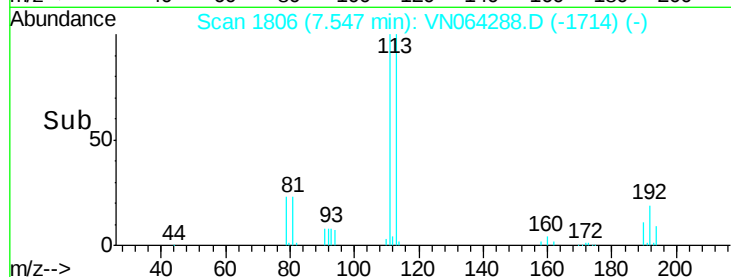
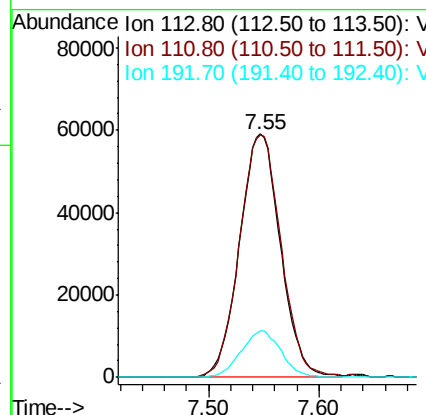
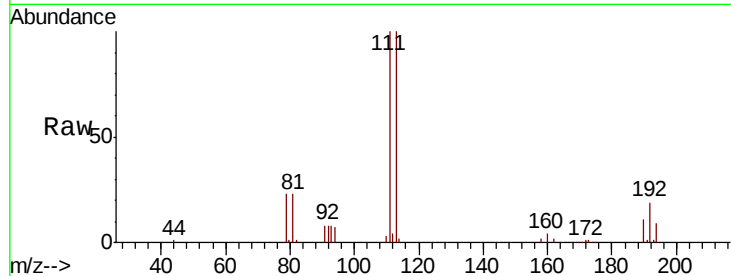




#35
 Dibromofluoromethane
 Concen: 50.650 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

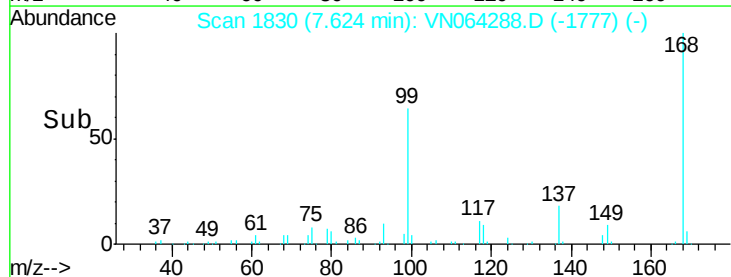
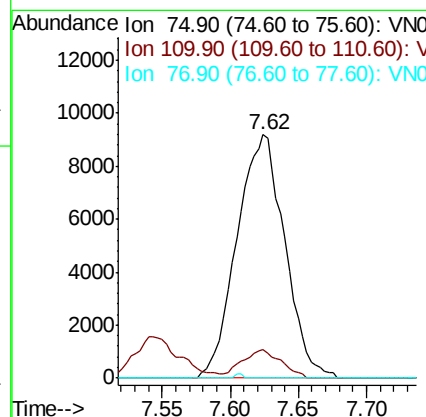
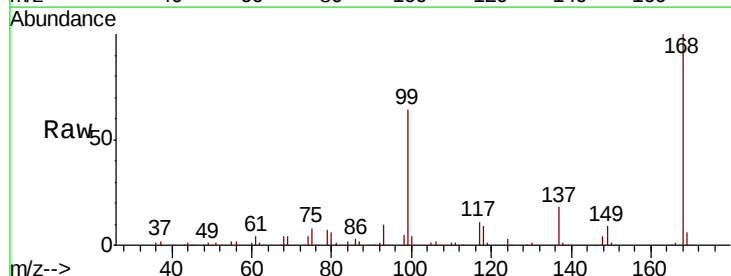
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBL01

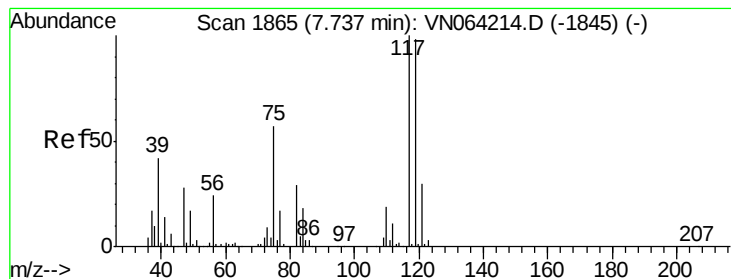
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	84.2	126.2
192	18.7	15.2	22.8



#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.2	51.6#
77	0.3	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.628 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBL01

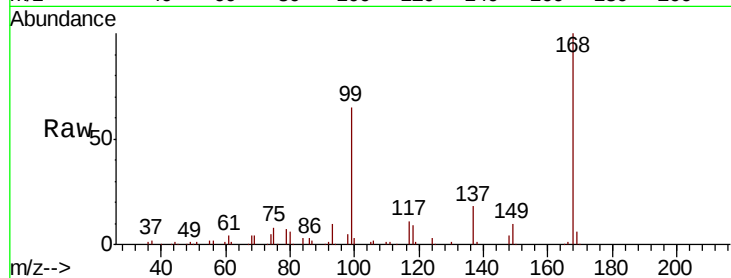
Tot Ion:117 Resp: 28775

Ion Ratio Lower Upper

117 100

119 5.4 78.5 117.7#

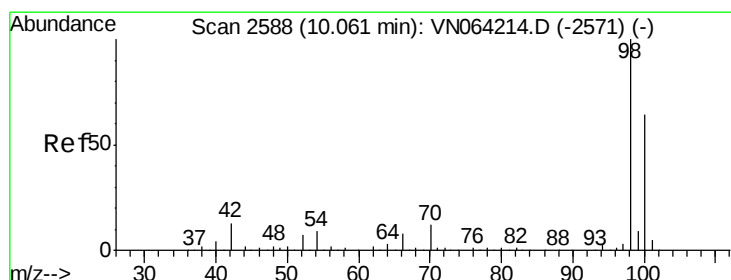
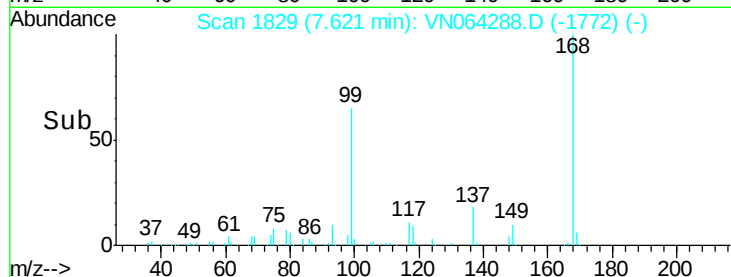
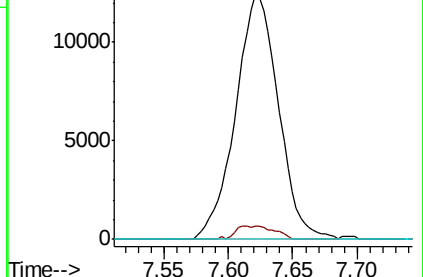
121 0.0 24.3 36.5#



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: 51.865 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064288.D

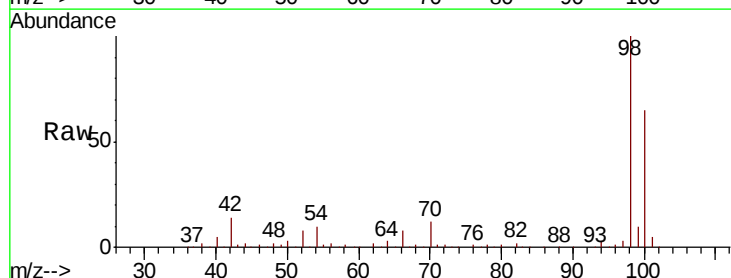
Acq: 23 Oct 2020 16:08

Tgt Ion: 98 Resp: 563807

Ion Ratio Lower Upper

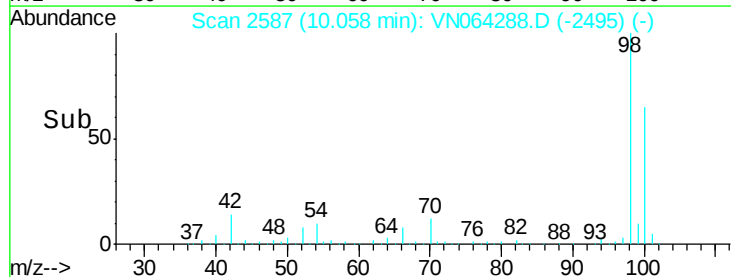
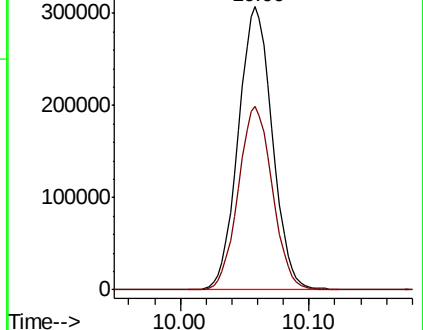
98 100

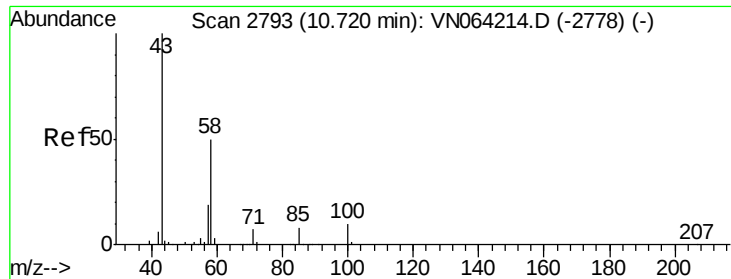
100 65.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 0.306 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

Instrument :

MSVOA_N

ClientSampled :

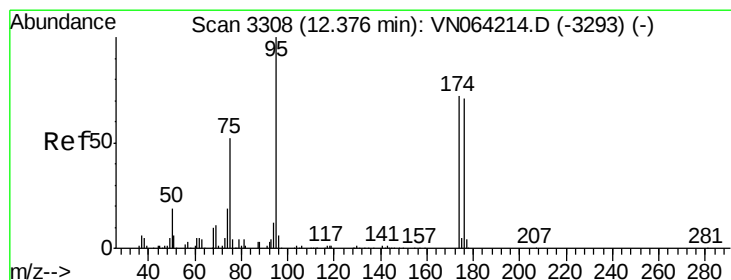
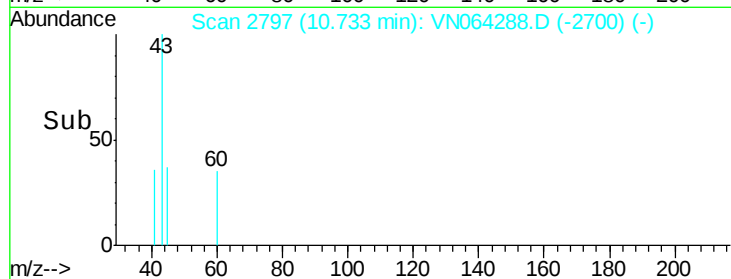
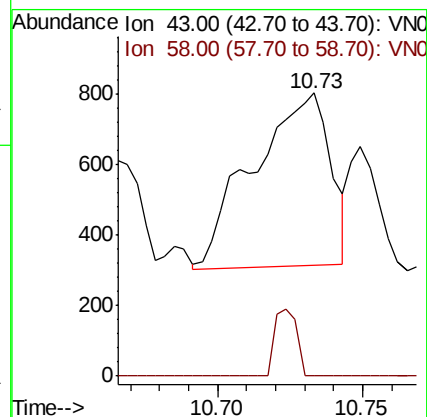
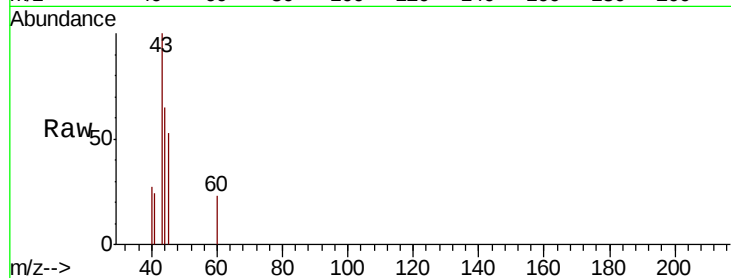
VN1023MBL01

Tot Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

58 11.2 24.8 74.3#



#62

4-Bromofluorobenzene

Concen: 54.364 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

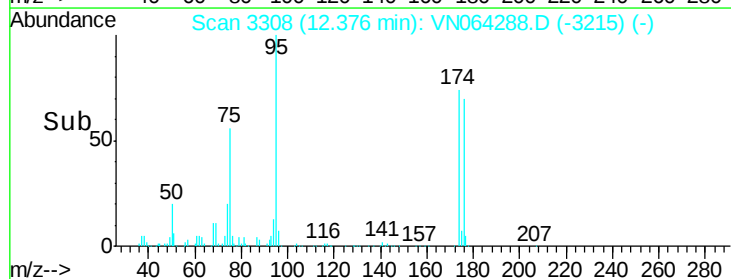
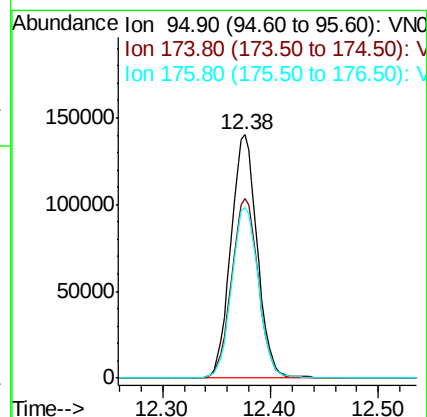
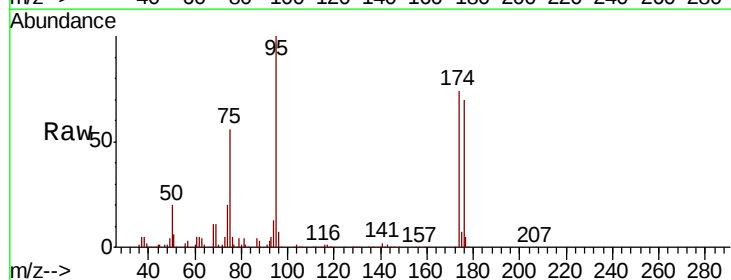
Tgt Ion: 95 Resp: 239572

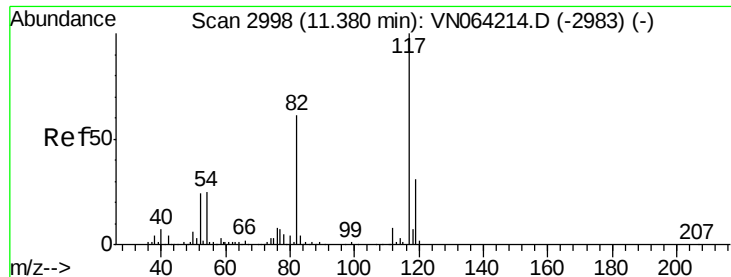
Ion Ratio Lower Upper

95 100

174 74.5 0.0 144.4

176 71.5 0.0 139.2

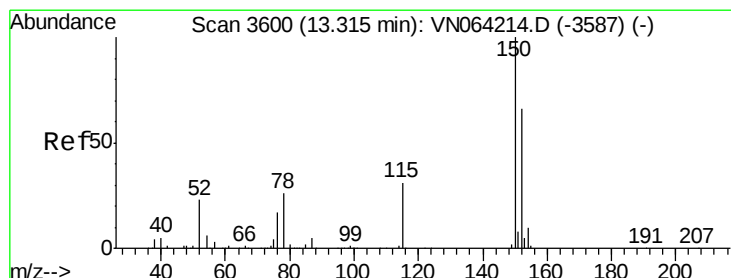
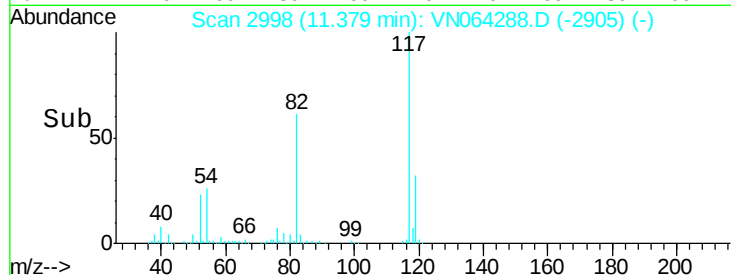
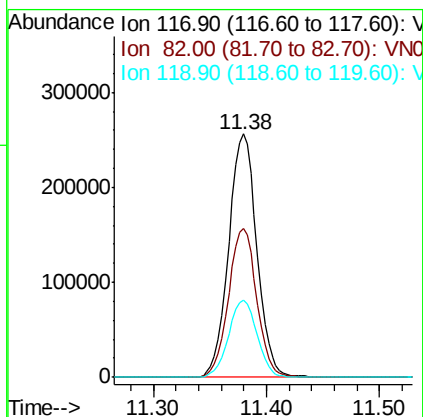
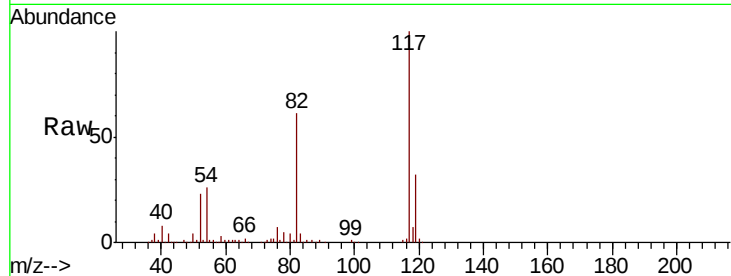




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064288.D
Acq: 23 Oct 2020 16:08

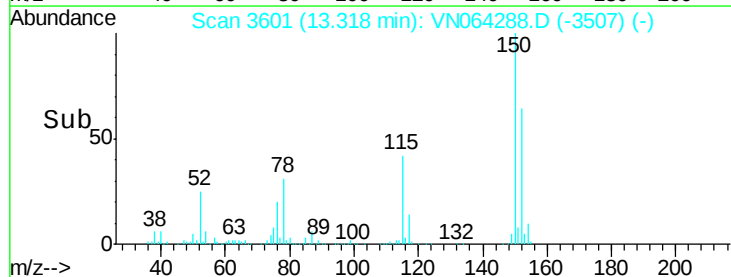
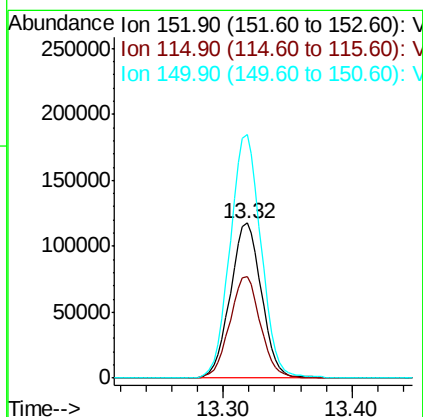
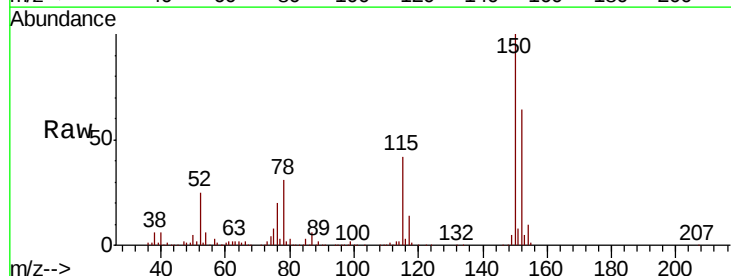
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBL01

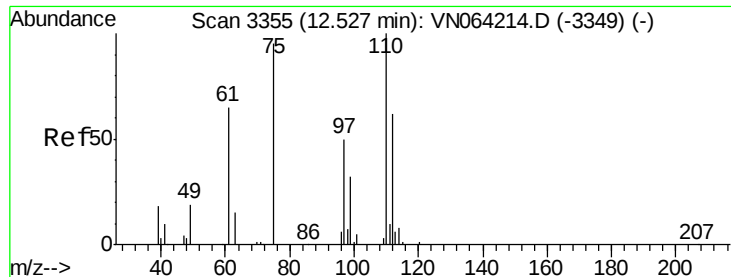
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.2	48.8	73.2
119	31.5	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064288.D
Acq: 23 Oct 2020 16:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.0	96.2
150	155.6	0.0	356.6

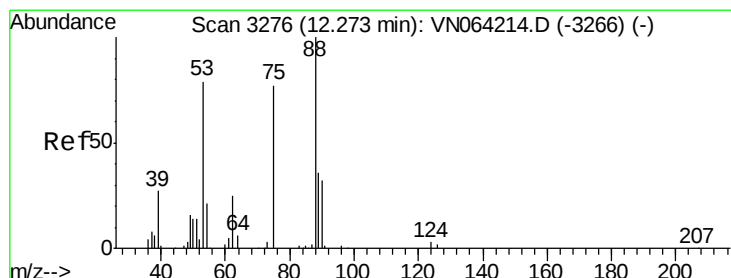
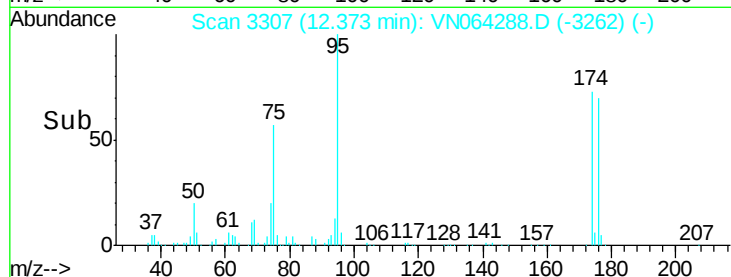
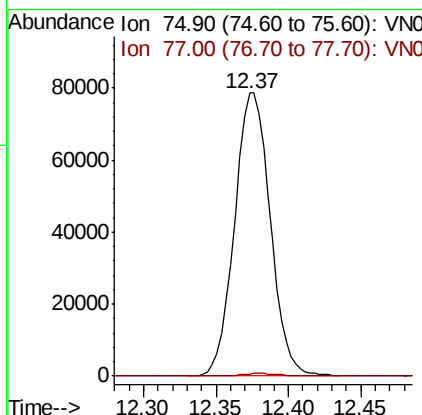
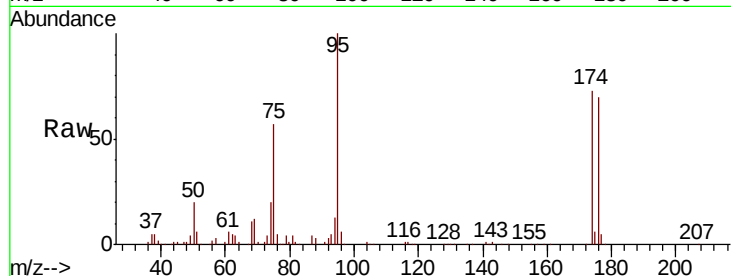




#76
 1,2,3-Trichloropropane
 Concen: 32.203 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

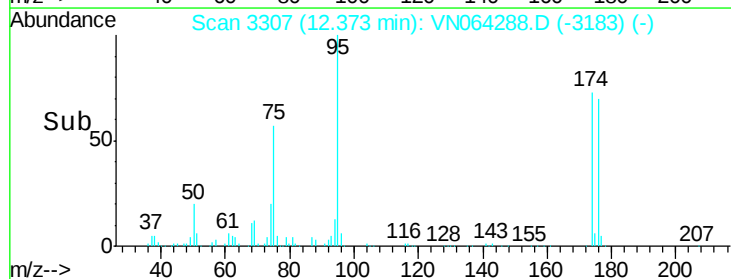
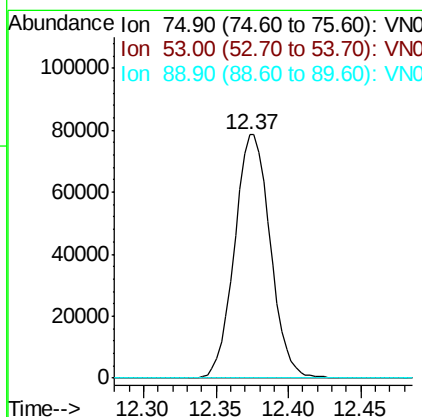
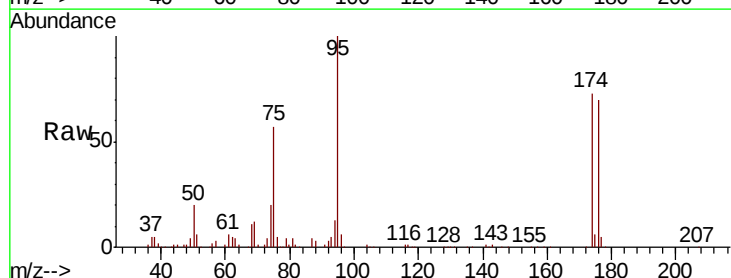
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBL01

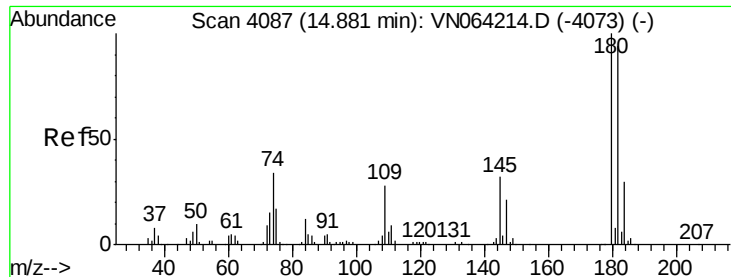
Tot Ion: 75 Resp: 134436
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.303 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

Tgt Ion: 75 Resp: 134436
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.0 38.7 58.1#

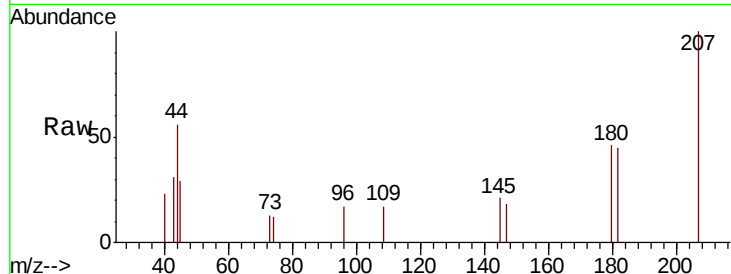




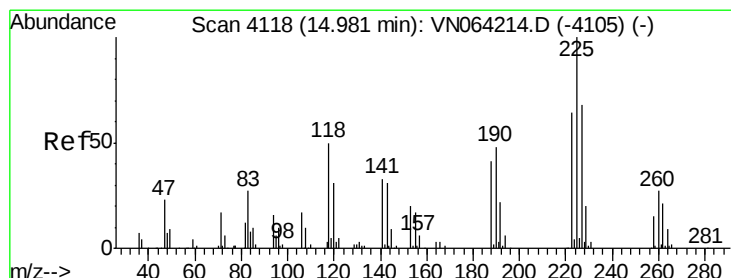
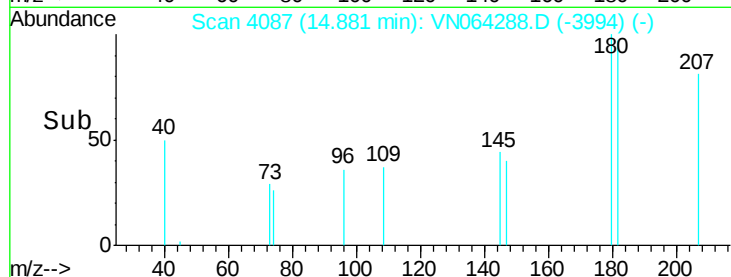
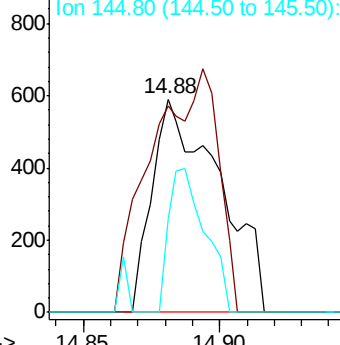
#93
 1,2,4-Trichlorobenzene
 Concen: 0.288 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBL01

Tot Ion:180 Resp: 1007
 Ion Ratio Lower Upper
 180 100
 182 66.2 46.9 140.7
 145 36.9 16.1 48.3

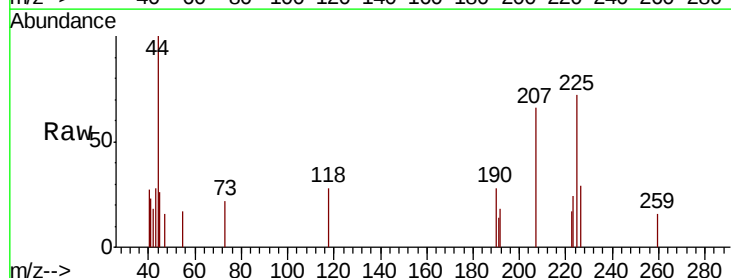


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

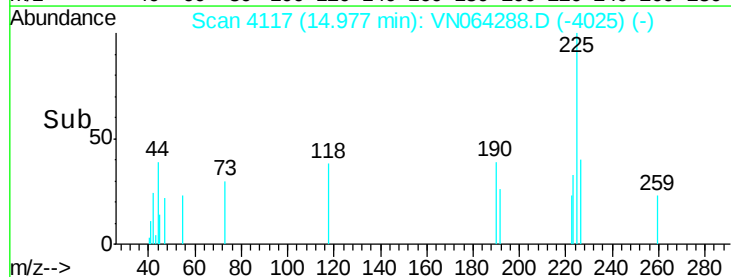
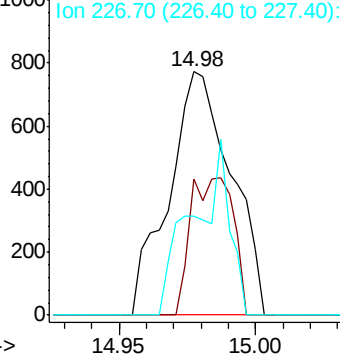


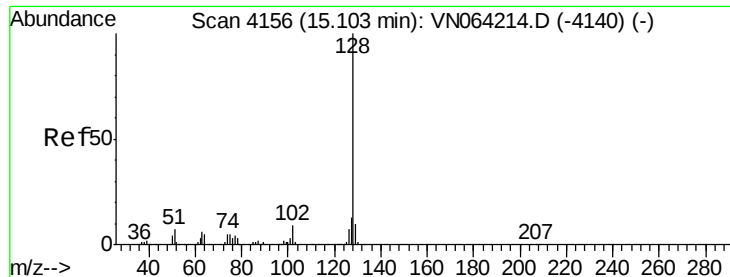
#94
 Hexachlorobutadiene
 Concen: 0.650 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064288.D
 Acq: 23 Oct 2020 16:08

Tgt Ion:225 Resp: 1223
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.5 94.5#
 227 22.1 32.1 96.5#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.385 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBL01

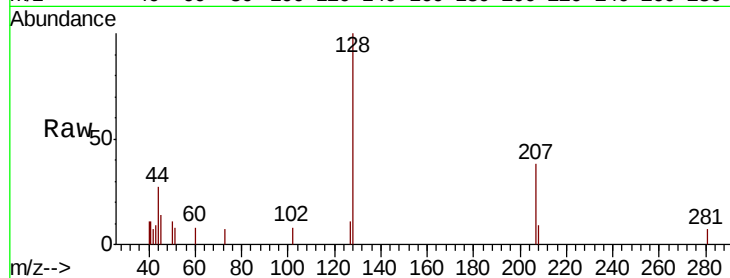
Tot Ion:128 Resp: 4027

Ion Ratio Lower Upper

128 100

127 3.4 10.5 15.7#

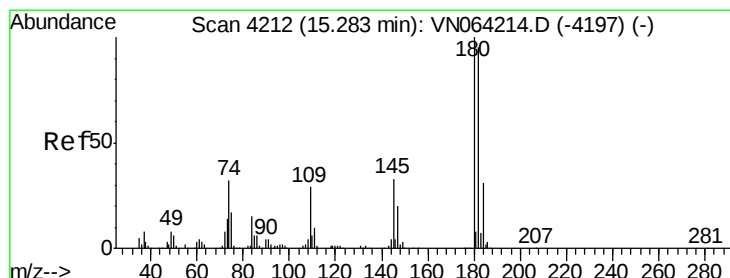
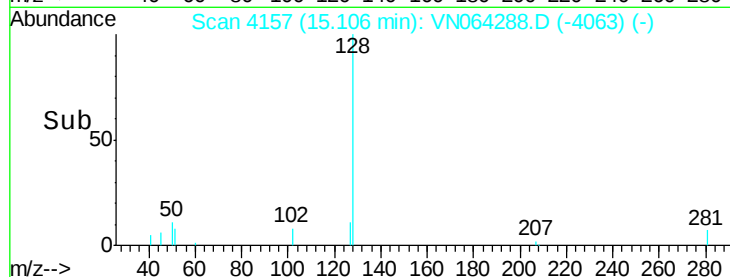
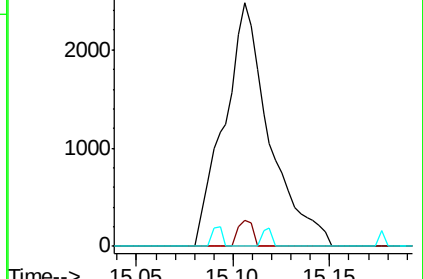
129 1.6 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.408 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064288.D

Acq: 23 Oct 2020 16:08

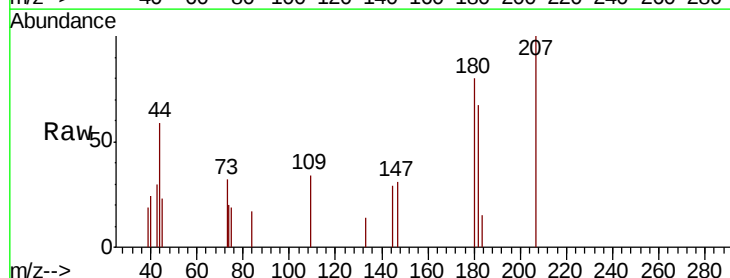
Tgt Ion:180 Resp: 1409

Ion Ratio Lower Upper

180 100

182 106.7 48.0 144.2

145 25.5 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

