

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060420\
 Data File : VN061646.D
 Acq On : 4 Jun 2020 12:04
 Operator : JC/MD
 Sample : VN0604MBL01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 05 07:22:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	294372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	487565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207609	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	170848	48.71	ug/l	0.00
Spiked Amount						
			Recovery	=	97.42%	
35) Dibromofluoromethane	7.55	113	140174	54.47	ug/l	0.00
Spiked Amount						
			Recovery	=	108.94%	
50) Toluene-d8	10.06	98	606494	50.86	ug/l	0.00
Spiked Amount						
			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.38	95	212529	48.85	ug/l	0.00
Spiked Amount						
			Recovery	=	97.70%	

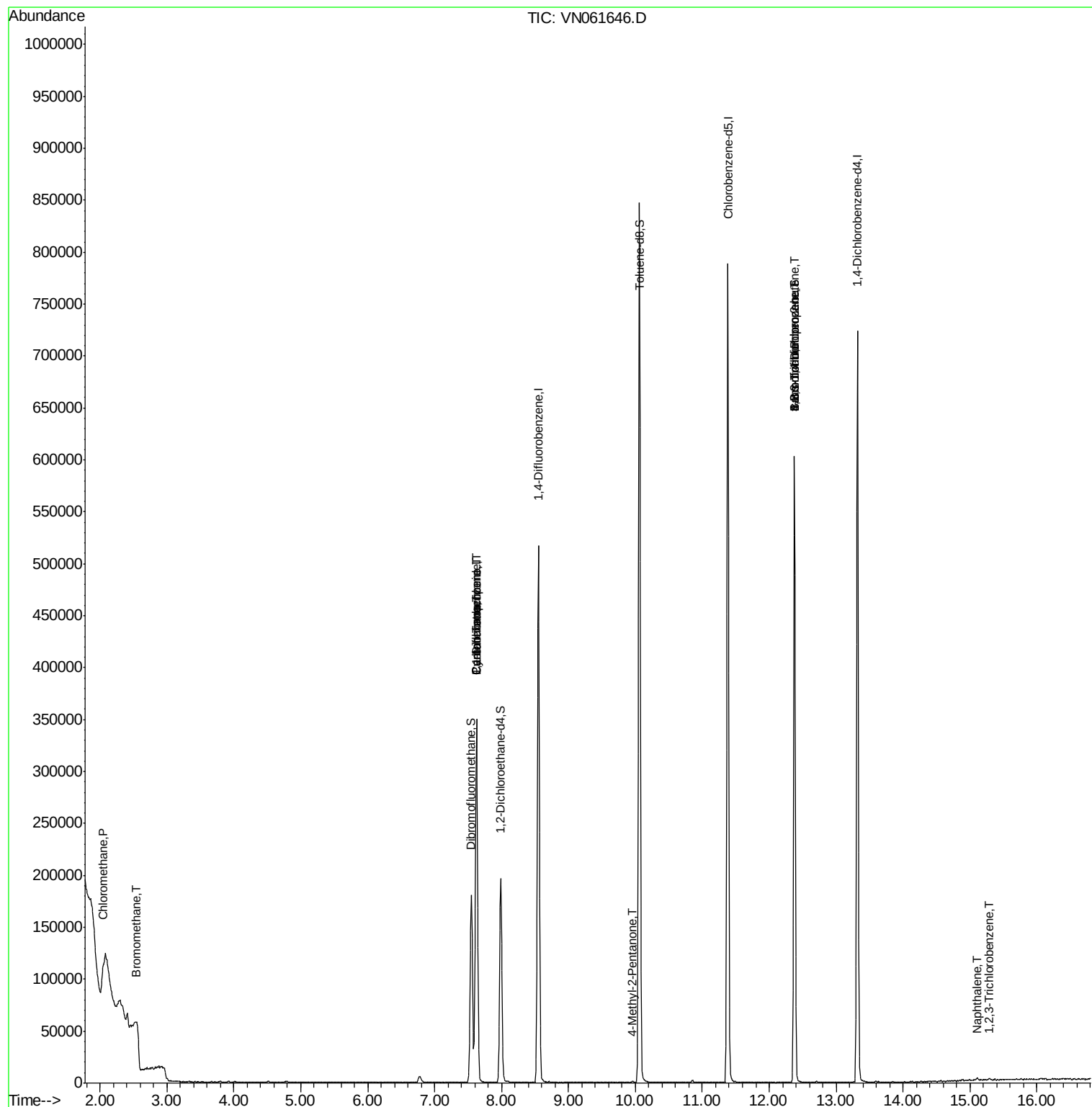
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1056	0.294	ug/l	100
5) Bromomethane	2.55	94	1045	0.370	ug/l #	79
16) Acetone	3.78	43	414	Below Cal	#	41
20) Methylene Chloride	4.51	84	494	Below Cal	#	56
31) Cyclohexane	7.63	56	5554	1.124	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	20680	4.605	ug/l #	47
38) Carbon Tetrachloride	7.63	117	28791	6.646	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	1038	0.283	ug/l #	77
71) Bromoform	12.38	173	2071	0.712	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	104082	27.570	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104082	70.505	ug/l #	15
95) Naphthalene	15.11	128	2795	0.240	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.29	180	811	0.215	ug/l	61

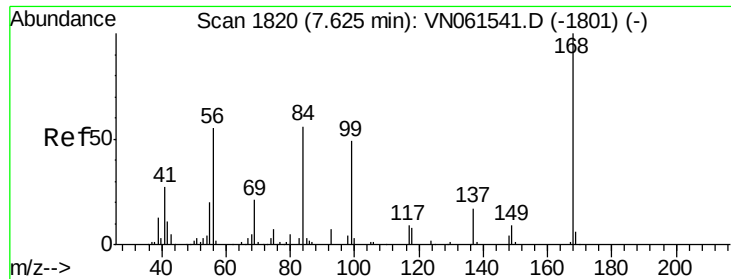
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

Quant Time: Jun 05 07:22:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061646.D

Acq: 4 Jun 2020 12:04

Instrument :

MSVOA_N

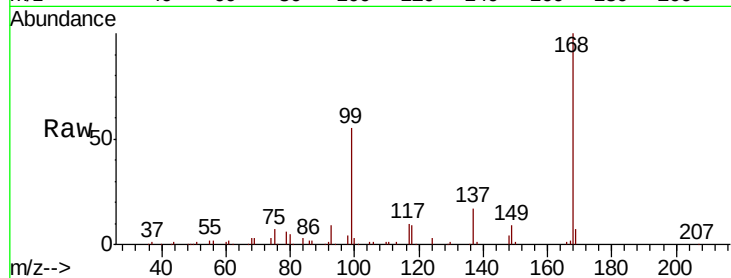
ClientSampled :

Tot Ion:168 Resp: 294372

Ion Ratio Lower Upper

168 100

99 54.8 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

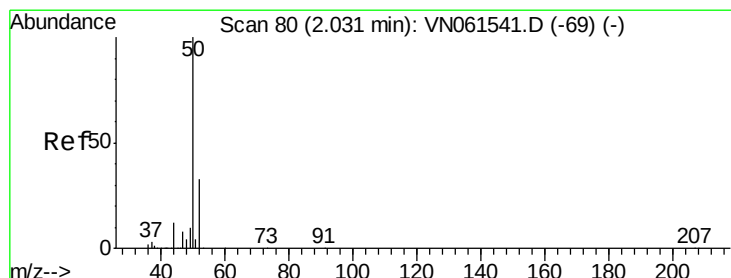
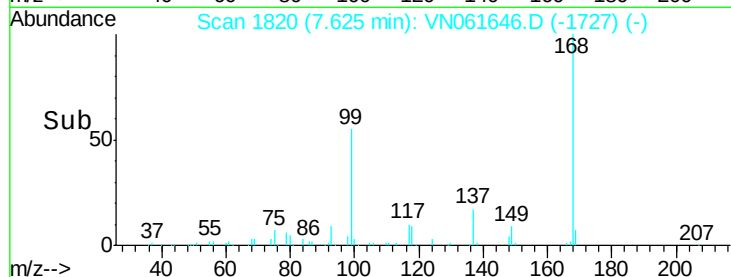
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.294 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061646.D

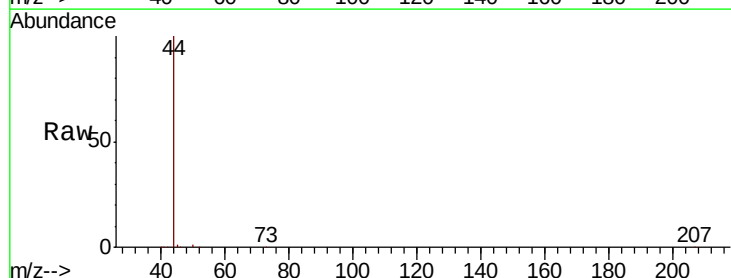
Acq: 4 Jun 2020 12:04

Tgt Ion: 50 Resp: 1056

Ion Ratio Lower Upper

50 100

52 33.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

1000

800

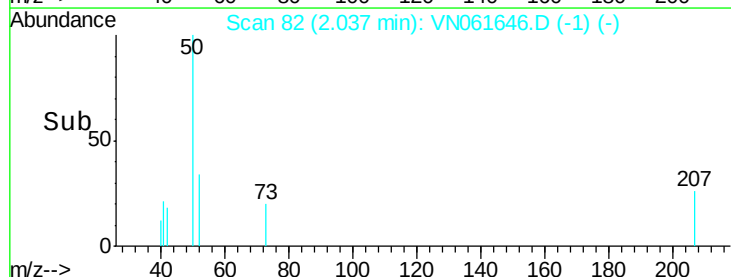
600

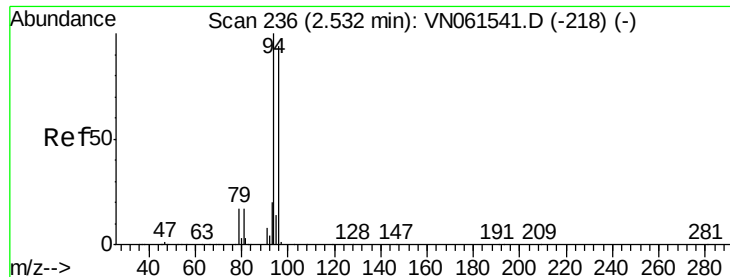
400

200

0

Time--> 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.370 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN061646.D

Acq: 4 Jun 2020 12:04

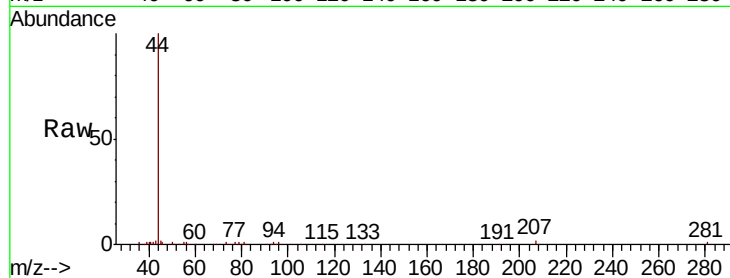
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 1045

Ion Ratio Lower Upper

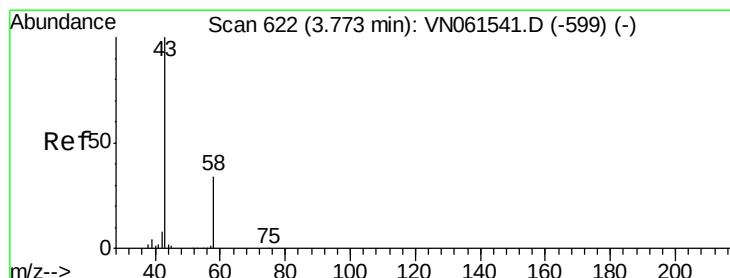
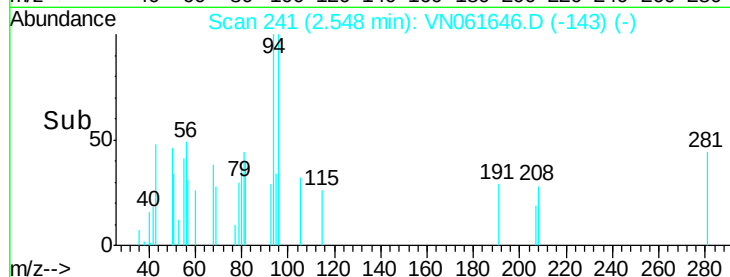
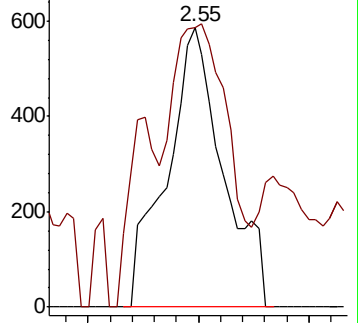
94 100

96 73.6 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061646.D

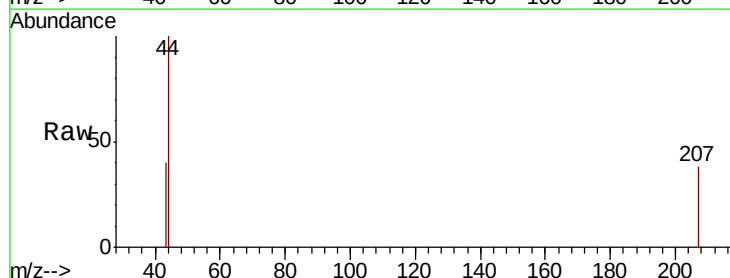
Acq: 4 Jun 2020 12:04

Tgt Ion: 43 Resp: 414

Ion Ratio Lower Upper

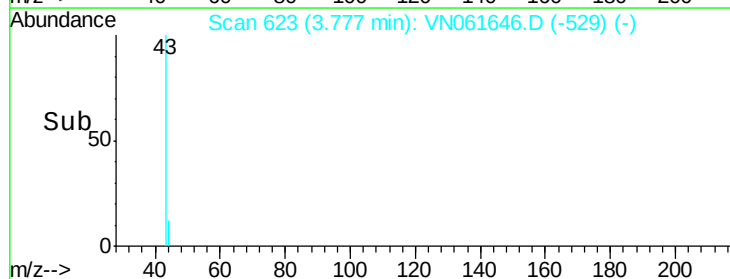
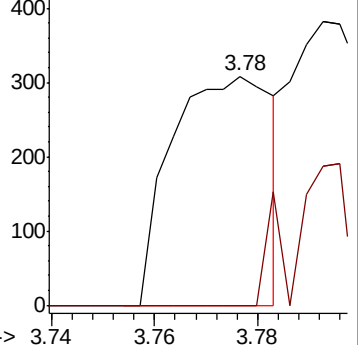
43 100

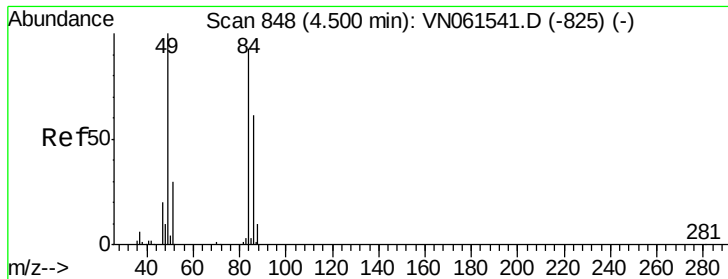
58 0.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 851

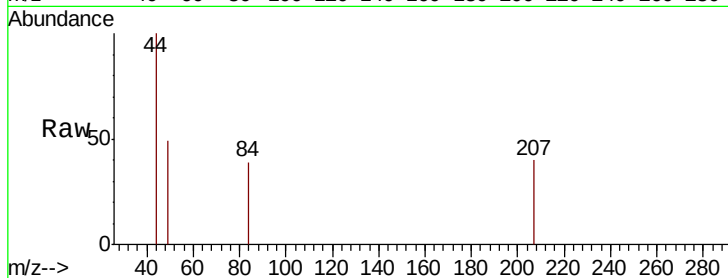
Delta R.T. 0.01 min

Lab File: VN061646.D

Acq: 4 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	494
Ion	Ratio	Lower	Upper
84	100		
49	124.6	85.8	128.8
51	0.0	26.2	39.2#
86	0.0	52.6	78.8#

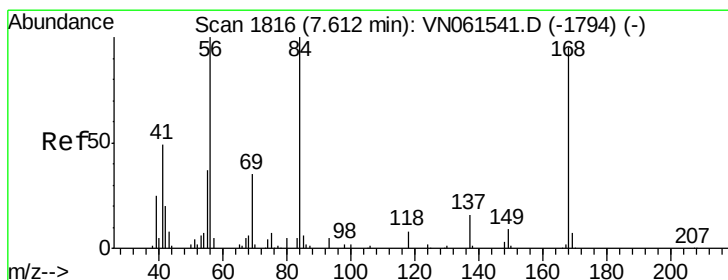
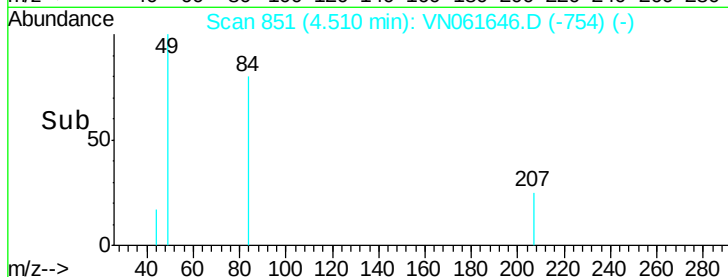
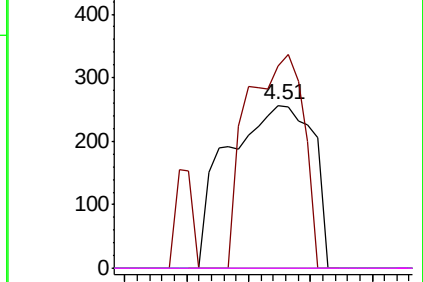


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.124 ug/l

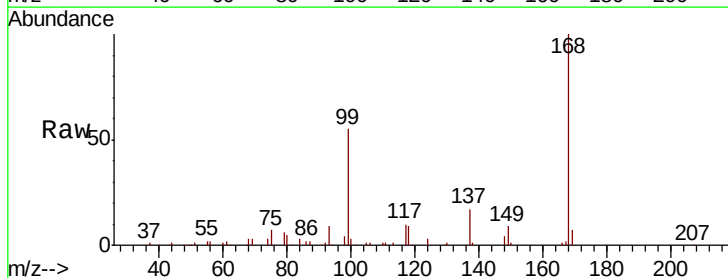
RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061646.D

Acq: 4 Jun 2020 12:04

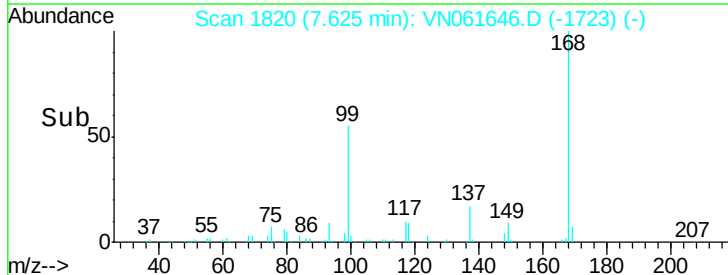
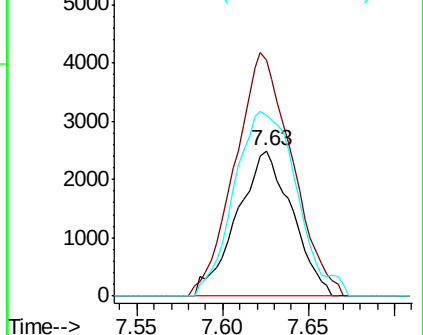
Tgt Ion:	56	Resp:	5554
Ion	Ratio	Lower	Upper
56	100		
69	162.5	27.8	41.8#
84	125.0	79.9	119.9#

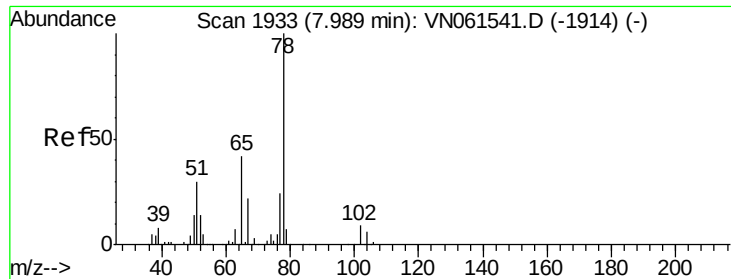


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

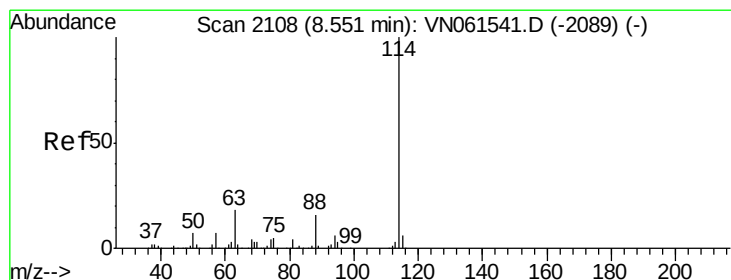
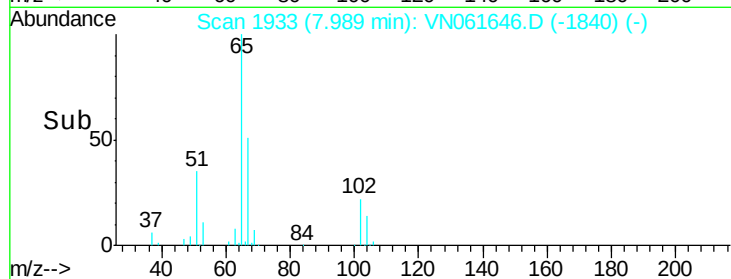
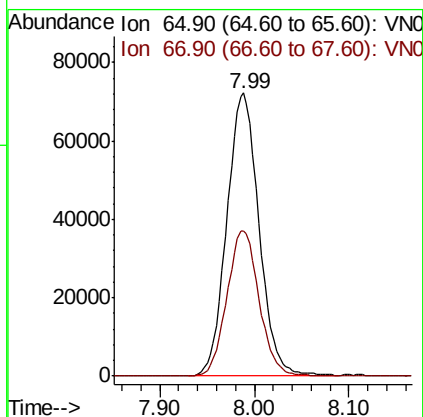
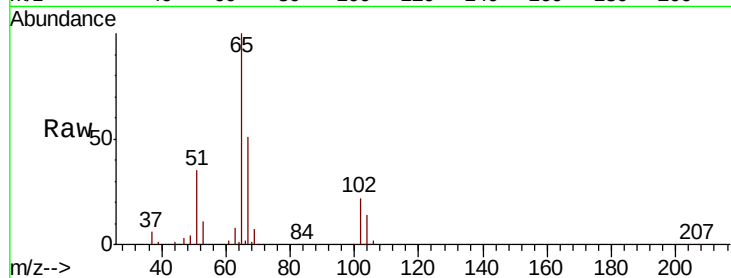




#33
 1,2-Dichloroethane-d4
 Concen: 48.713 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061646.D
 Acq: 4 Jun 2020 12:04

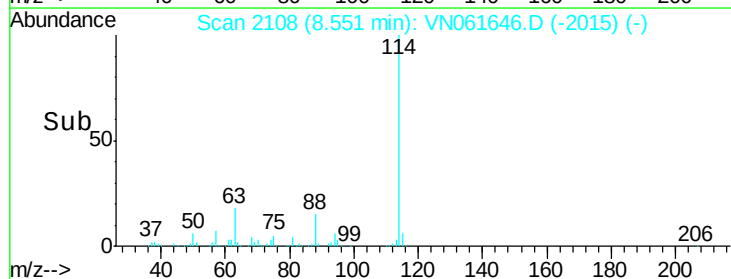
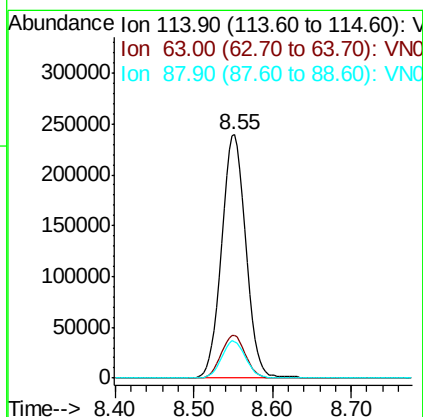
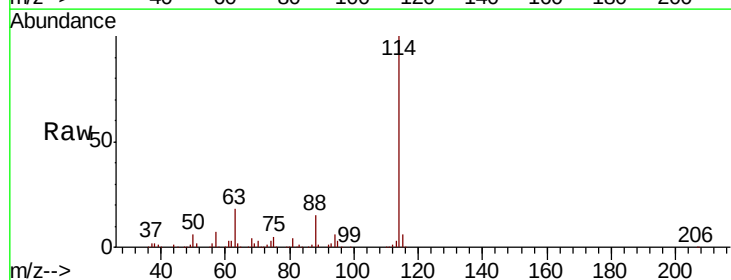
Instrument :
 MSVOA_N
 ClientSampleId :

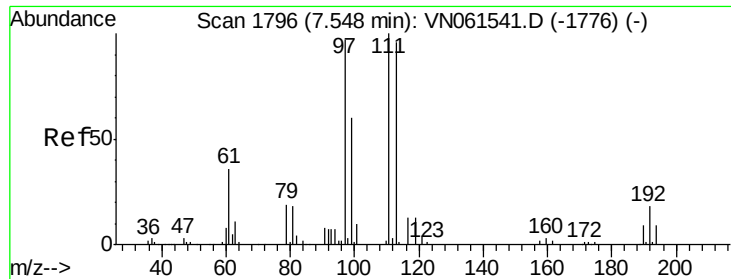
Tot Ion: 65 Resp: 170848
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061646.D
 Acq: 4 Jun 2020 12:04

Tgt Ion: 114 Resp: 507311
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.8
 88 15.0 0.0 31.0

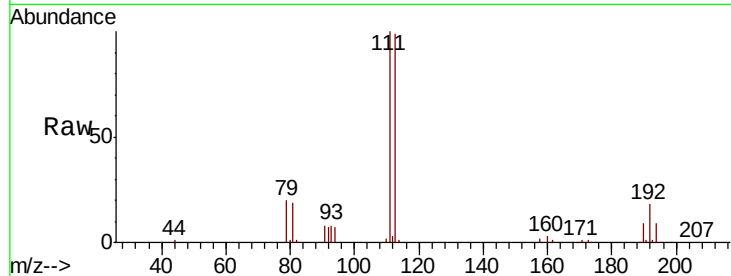




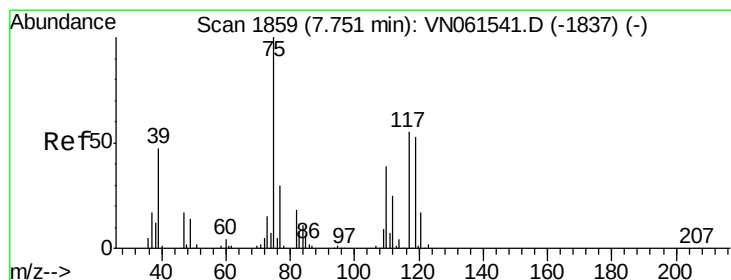
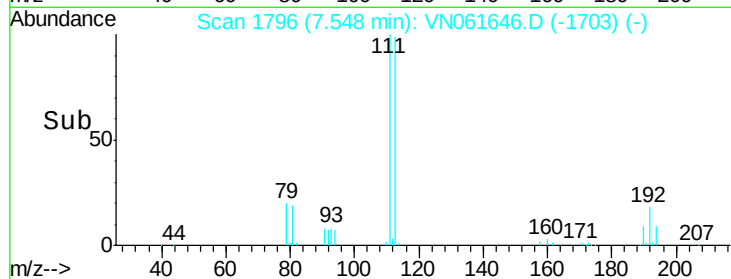
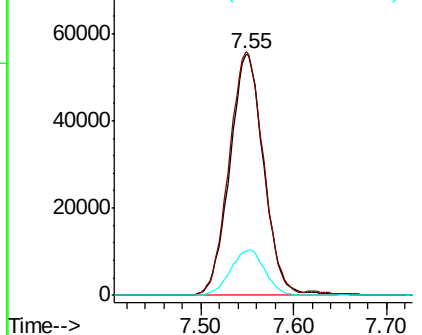
#35
 Dibromofluoromethane
 Concen: 54.468 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061646.D
 Acq: 4 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 140174
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.4 125.0
 192 18.9 15.4 23.2

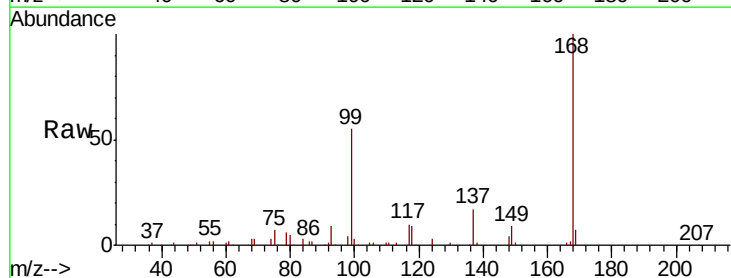


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

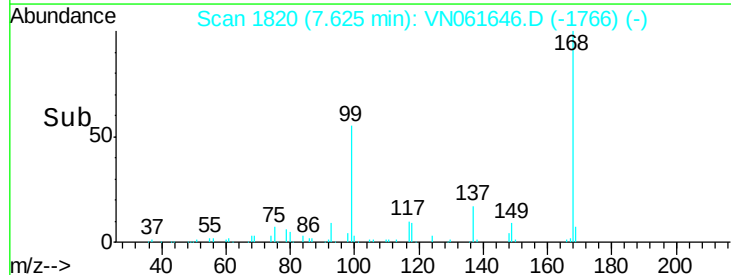
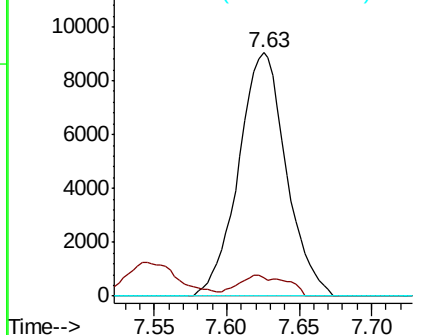


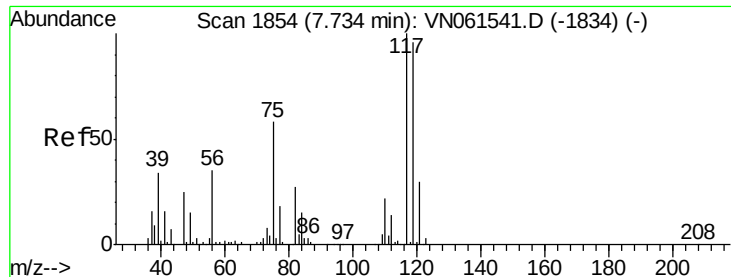
#36
 1,1-Dichloropropene
 Concen: 4.605 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061646.D
 Acq: 4 Jun 2020 12:04

Tgt Ion: 75 Resp: 20680
 Ion Ratio Lower Upper
 75 100
 110 8.5 19.5 58.5#
 77 0.0 24.7 37.1#



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

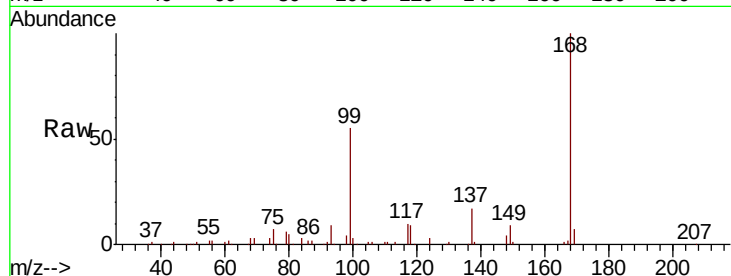




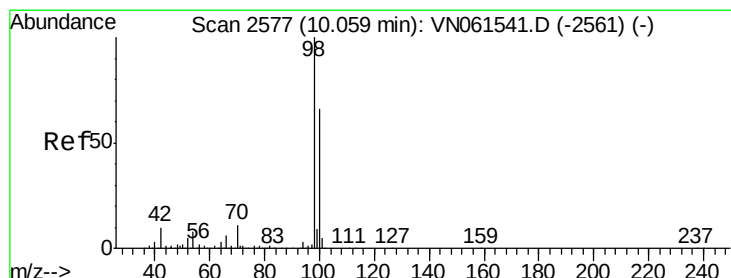
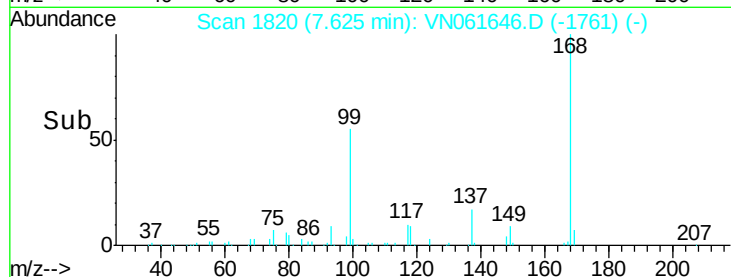
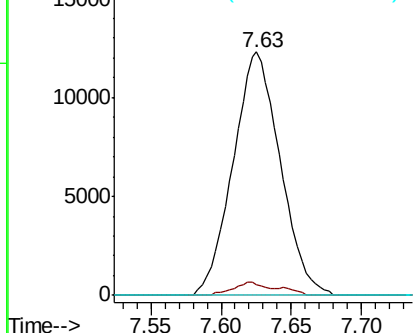
#38
Carbon Tetrachloride
Concen: 6.646 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061646.D
Acq: 4 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 28791
Ion Ratio Lower Upper
117 100
119 4.4 76.5 114.7#
121 0.0 24.1 36.1#

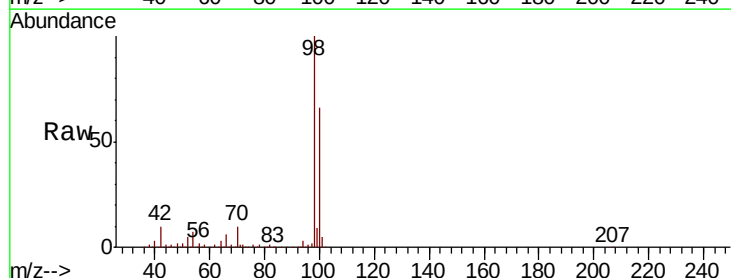


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

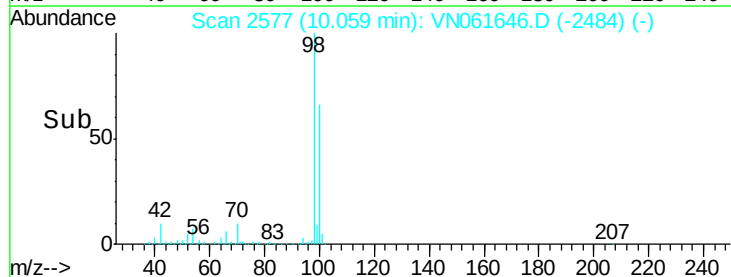
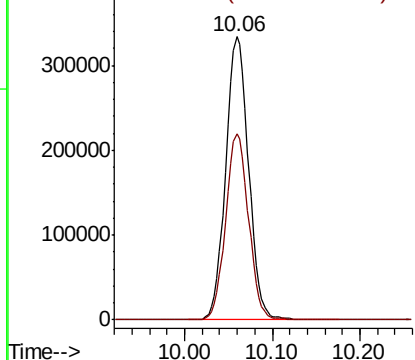


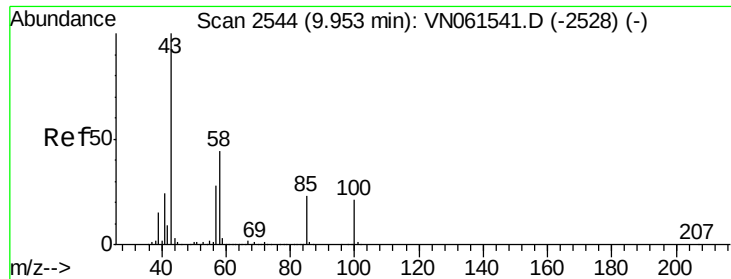
#50
Toluene-d8
Concen: 50.855 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061646.D
Acq: 4 Jun 2020 12:04

Tgt Ion: 98 Resp: 606494
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.283 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061646.D

Acq: 4 Jun 2020 12:04

Instrument :

MSVOA_N

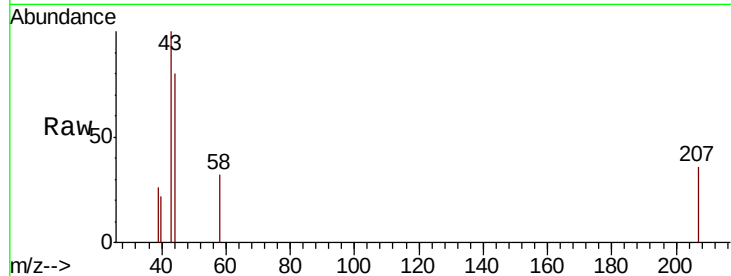
ClientSampleId :

Tot Ion: 43 Resp: 1038

Ion Ratio Lower Upper

43 100

58 29.2 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

800

600

400

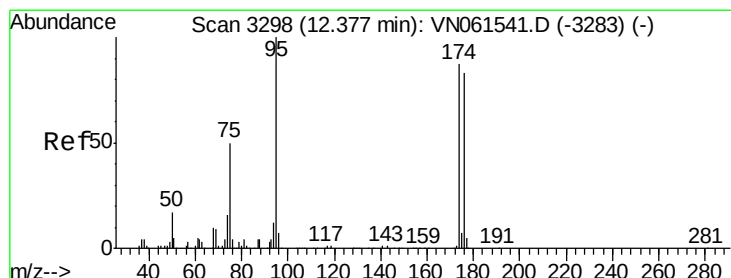
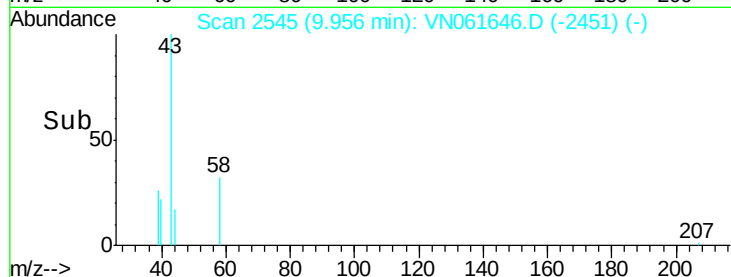
200

0

9.95

10.00

Time-->



#62

4-Bromofluorobenzene

Concen: 48.846 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061646.D

Acq: 4 Jun 2020 12:04

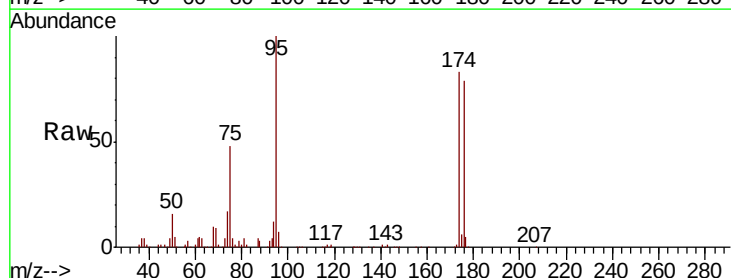
Tgt Ion: 95 Resp: 212529

Ion Ratio Lower Upper

95 100

174 82.5 0.0 172.8

176 79.4 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

50000

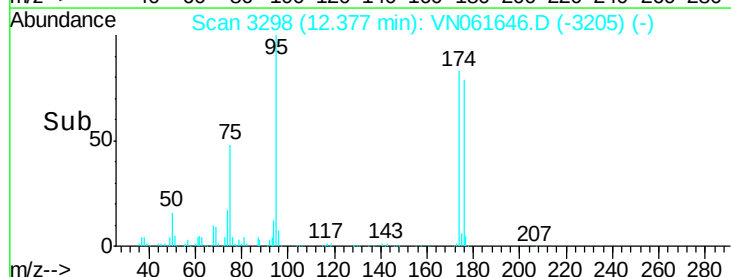
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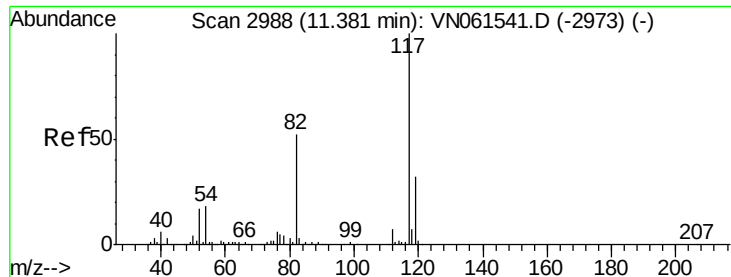
12.30

12.40

12.50

Time-->

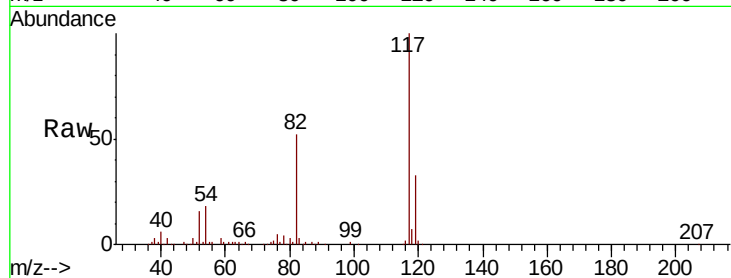




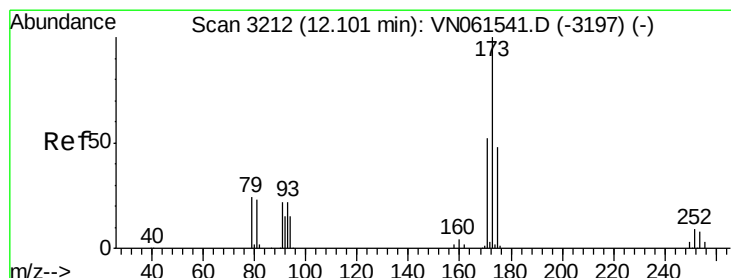
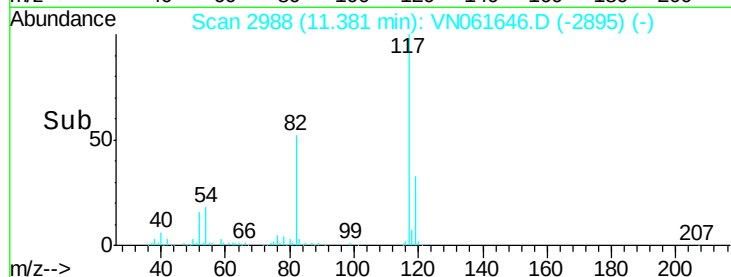
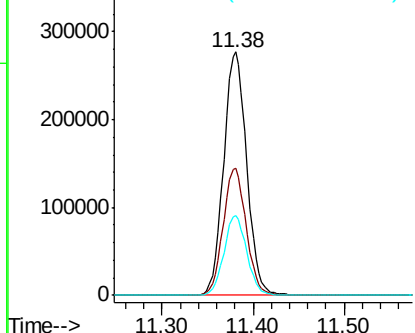
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061646.D
Acq: 4 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 487565
Ion Ratio Lower Upper
117 100
82 52.4 41.5 62.3
119 32.7 25.6 38.4

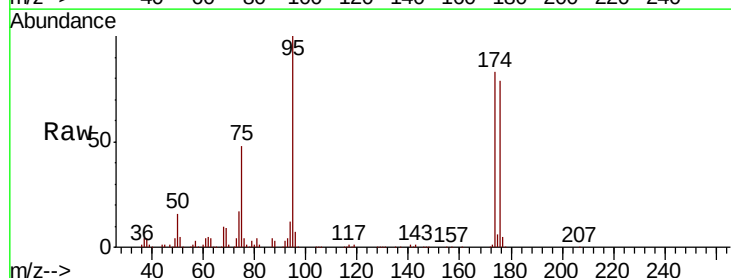


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

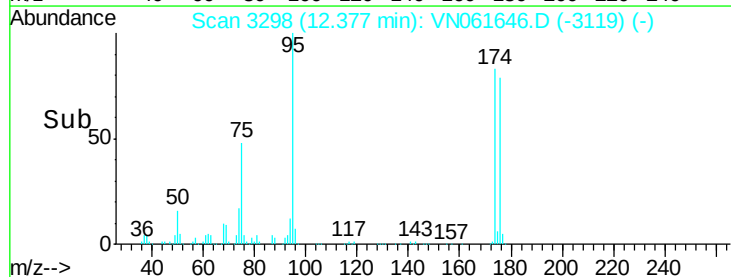
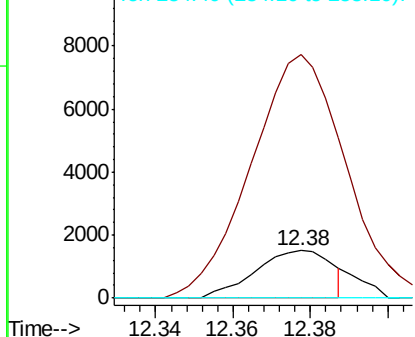


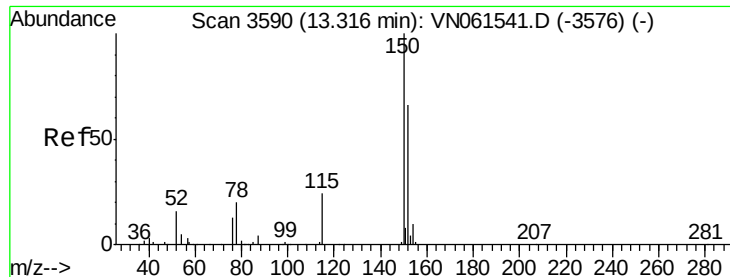
#71
Bromoform
Concen: 0.712 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061646.D
Acq: 4 Jun 2020 12:04

Tgt Ion:173 Resp: 2071
Ion Ratio Lower Upper
173 100
175 538.9 24.4 73.2#
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# 3591

Delta R.T. 0.00 min

Lab File: VN061646.D

Acq: 4 Jun 2020 12:04

Instrument :

MSVOA_N

ClientSampled :

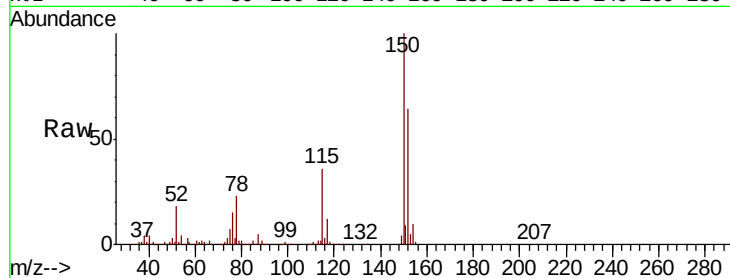
Tot Ion:152 Resp: 207609

Ion Ratio Lower Upper

152 100

115 57.3 28.0 84.0

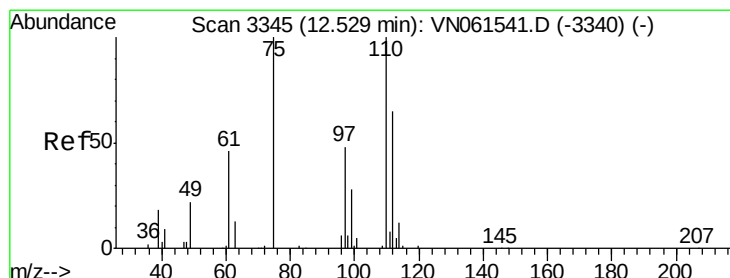
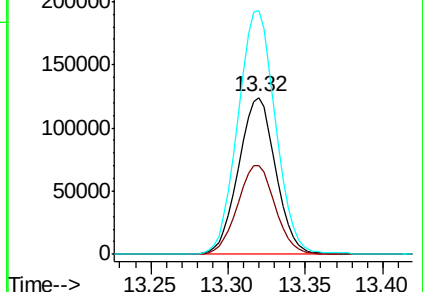
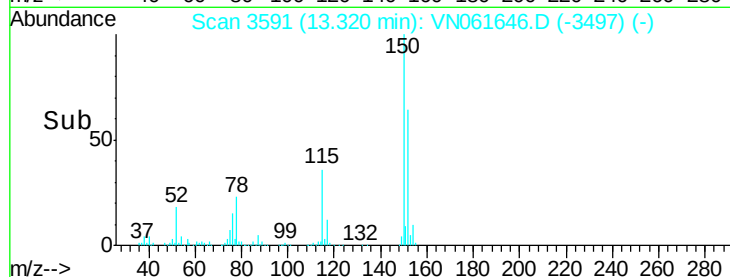
150 157.6 0.0 344.0



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: 27.570 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061646.D

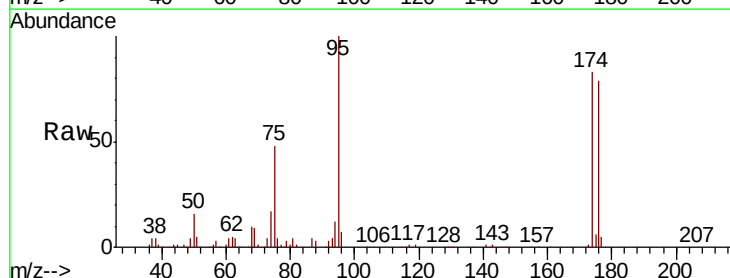
Acq: 4 Jun 2020 12:04

Tgt Ion: 75 Resp: 104082

Ion Ratio Lower Upper

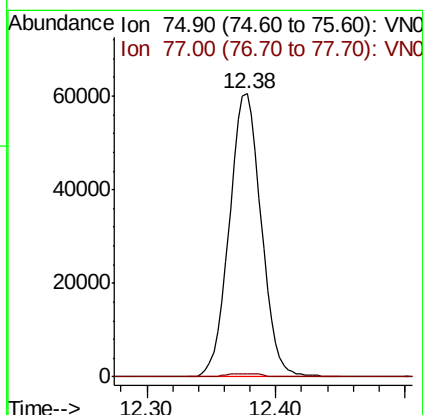
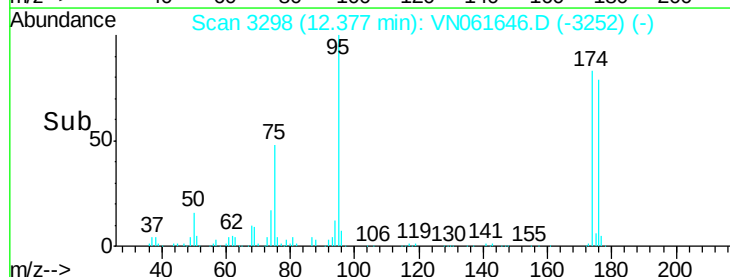
75 100

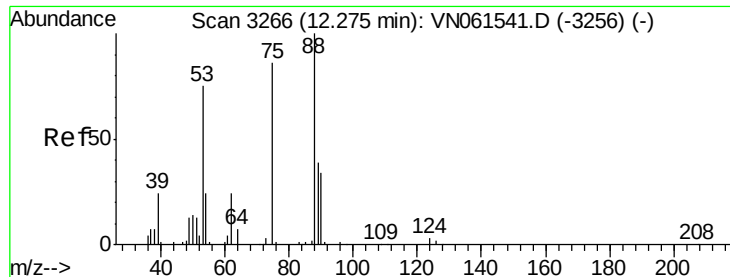
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

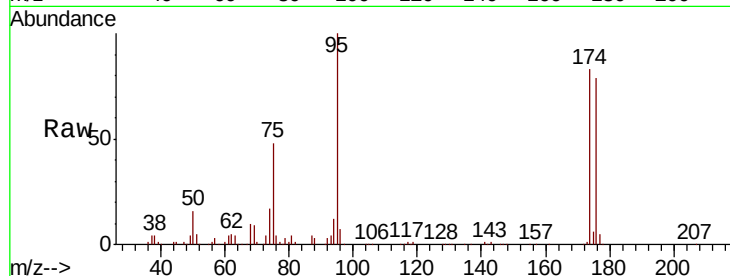




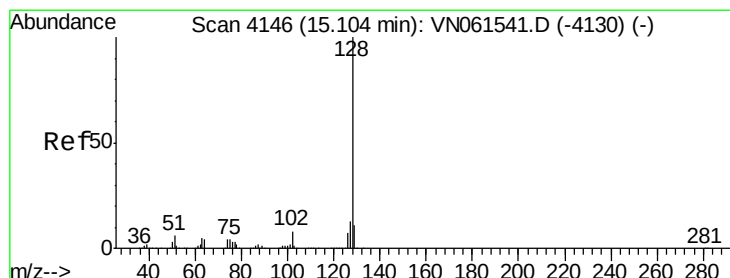
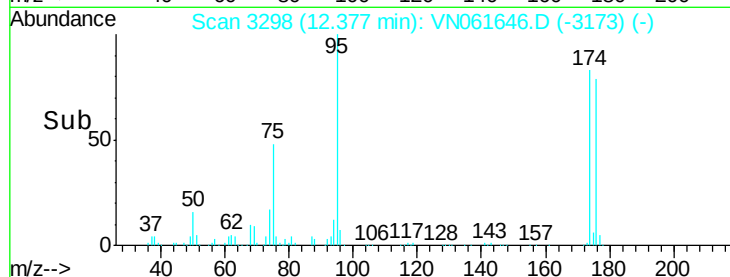
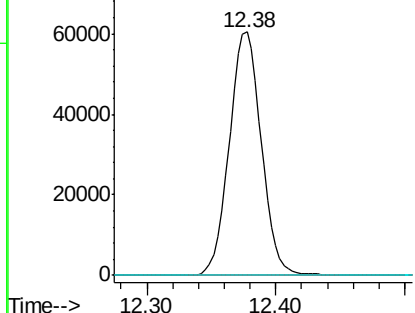
#81
trans-1,4-Dichloro-2-butene
Concen: 70.505 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN061646.D
Acq: 4 Jun 2020 12:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 104082
Ion Ratio Lower Upper
75 100
53 0.0 67.8 101.8#
89 0.0 37.1 55.7#

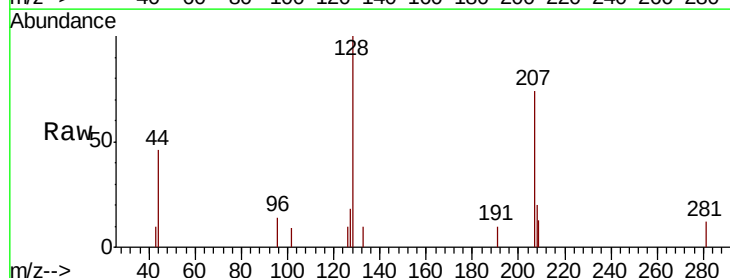


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

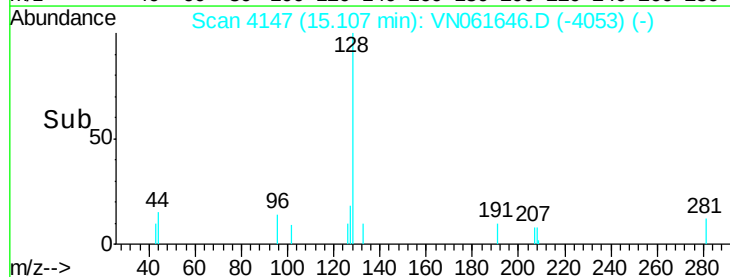
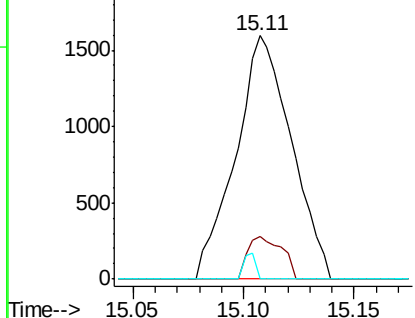


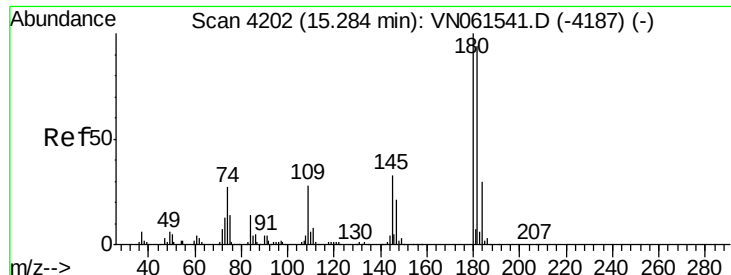
#95
Naphthalene
Concen: 0.240 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061646.D
Acq: 4 Jun 2020 12:04

Tgt Ion:128 Resp: 2795
Ion Ratio Lower Upper
128 100
127 10.7 10.0 15.0
129 2.2 8.5 12.7#



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: 0.215 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.01 min
 Lab File: VN061646.D
 Acq: 4 Jun 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	49.9	47.1	141.3
145	21.5	16.3	48.9

