

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060185.D
 Acq On : 21 Feb 2020 13:15
 Operator : JC/MD
 Sample : L1645-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:24:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	177009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	281905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	106187	49.30	ug/l	0.00
Spiked Amount						
			Recovery	=	98.60%	
35) Dibromofluoromethane	7.57	113	84536	48.78	ug/l	0.00
Spiked Amount						
			Recovery	=	97.56%	
50) Toluene-d8	10.08	98	335712	49.20	ug/l	0.00
Spiked Amount						
			Recovery	=	98.40%	
62) 4-Bromofluorobenzene	12.40	95	118495	47.26	ug/l	0.00
Spiked Amount						
			Recovery	=	94.52%	

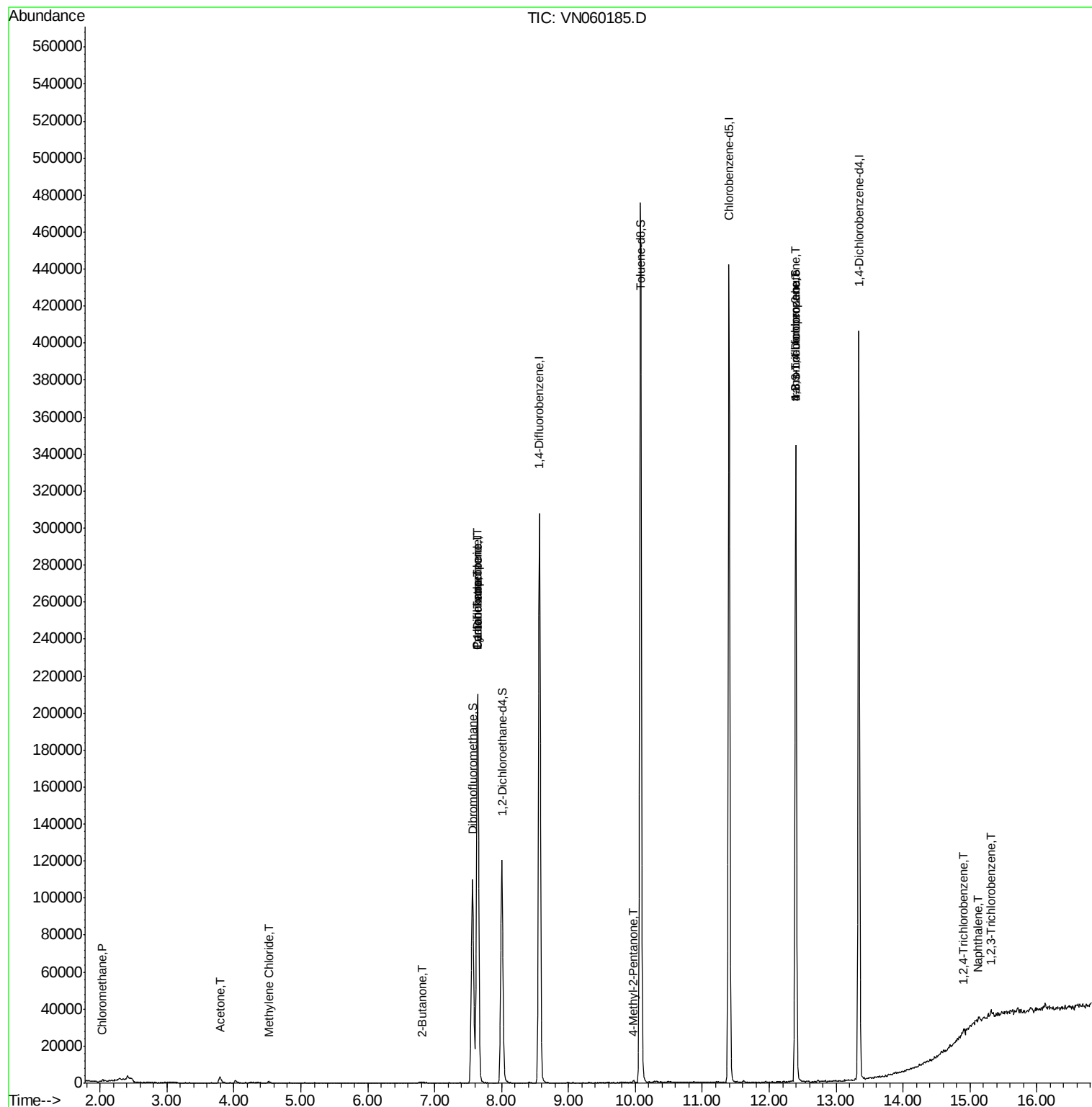
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	516	0.245	ug/l	91
16) Acetone	3.79	43	5818	6.193	ug/l	96
20) Methylene Chloride	4.52	84	522	0.278	ug/l #	81
25) 2-Butanone	6.81	43	513	0.434	ug/l #	46
31) Cyclohexane	7.64	56	3829	1.257	ug/l #	37
36) 1,1-Dichloropropene	7.64	75	12688	4.859	ug/l #	48
38) Carbon Tetrachloride	7.64	117	17050	6.012	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	1157	0.496	ug/l #	87
76) 1,2,3-Trichloropropane	12.40	75	59645	28.253	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59645	69.178	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	175	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	612	0.294	ug/l #	83
95) Naphthalene	15.13	128	2543	0.452	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.31	180	661	0.319	ug/l	95

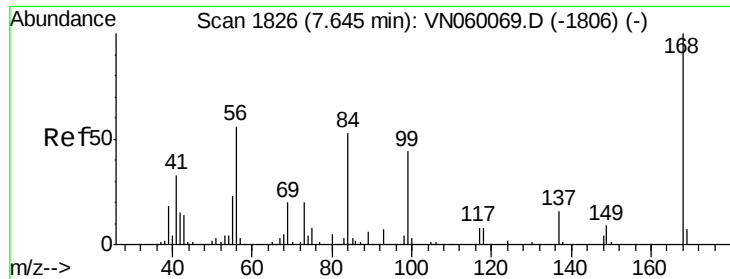
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022120\
Data File : VN060185.D
Acq On : 21 Feb 2020 13:15
Operator : JC/MD
Sample : L1645-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 21 22:24:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

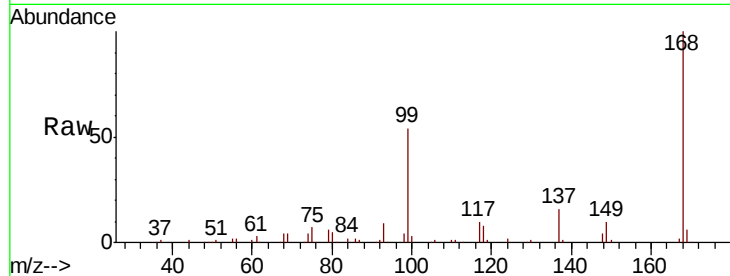
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 177009

Ion Ratio Lower Upper

168 100

99 53.5 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

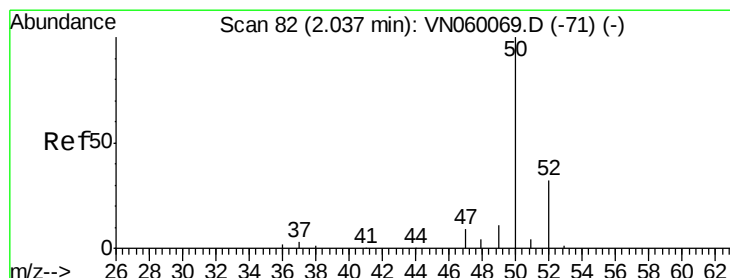
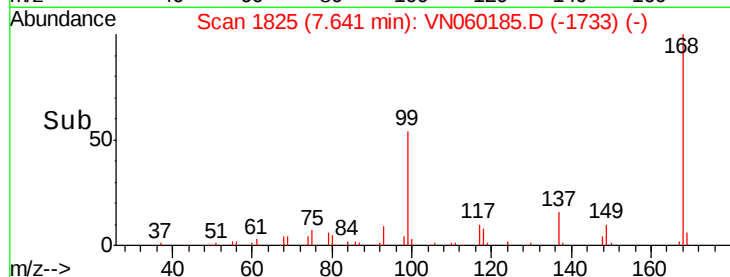
40000

20000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.245 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060185.D

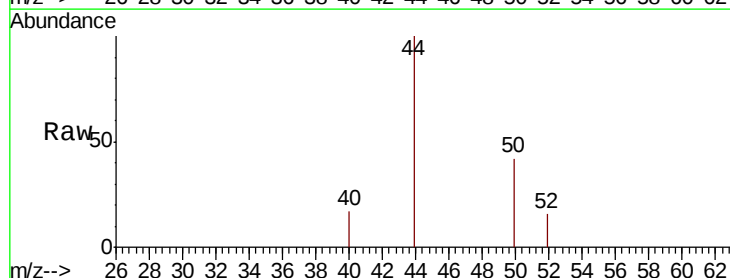
Acq: 21 Feb 2020 13:15

Tgt Ion: 50 Resp: 516

Ion Ratio Lower Upper

50 100

52 37.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

500

400

300

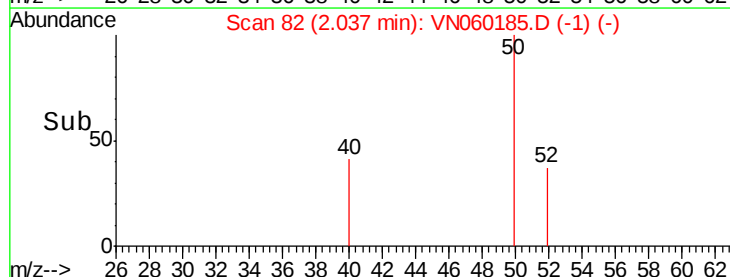
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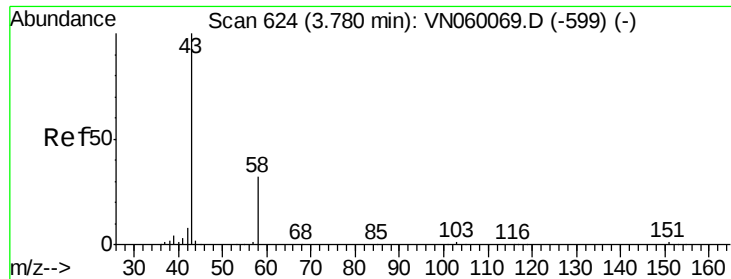
100

0

2.02 2.04 2.06

Time-->





#16

Acetone

Concen: 6.193 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

Instrument :

MSVOA_N

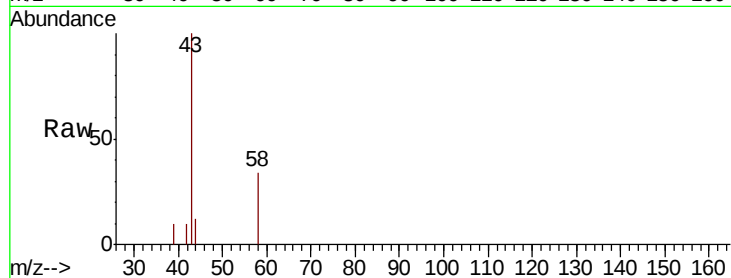
ClientSampleId :

Tot Ion: 43 Resp: 5818

Ion Ratio Lower Upper

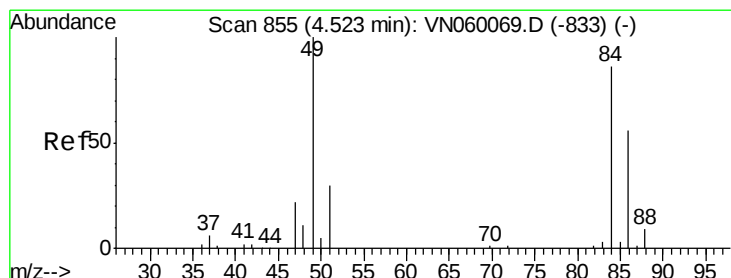
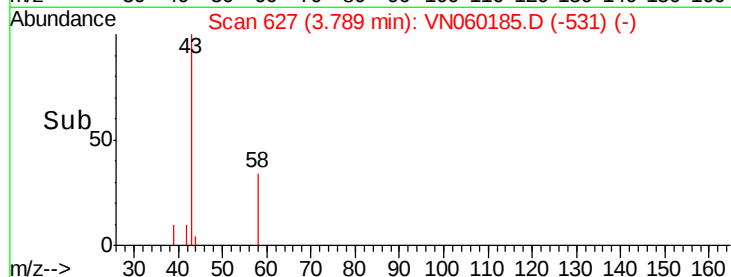
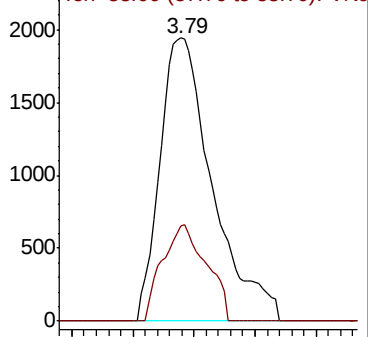
43 100

58 33.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN060185.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN060185.D (-599) (-)



#20

Methylene Chloride

Concen: 0.278 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

Tgt Ion: 84 Resp: 522

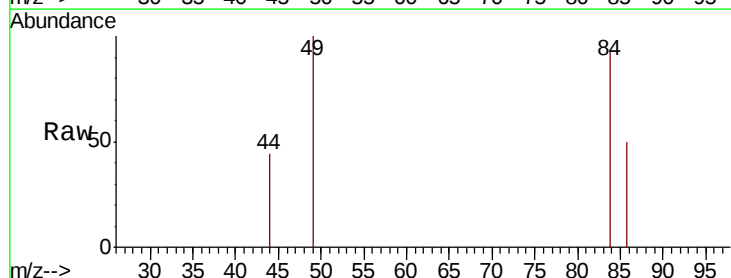
Ion Ratio Lower Upper

84 100

49 107.8 93.4 140.0

51 0.0 28.4 42.6

86 54.0 52.5 78.7

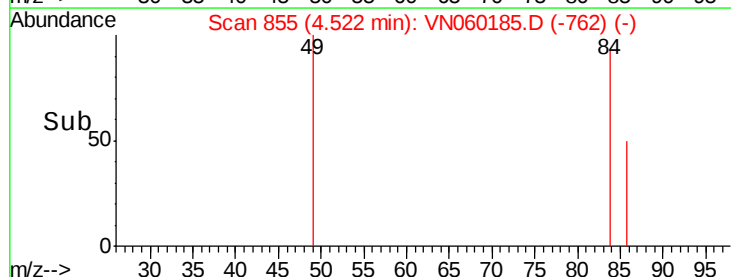
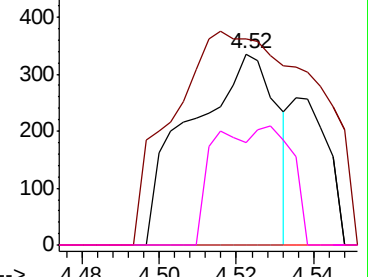


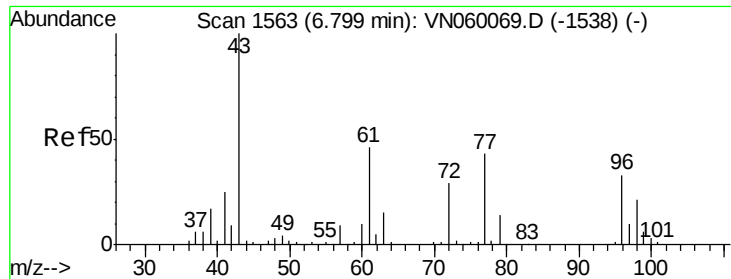
Abundance Ion 83.90 (83.60 to 84.60): VN060185.D (-762) (-)

Ion 48.90 (48.60 to 49.60): VN060185.D (-762) (-)

Ion 50.90 (50.60 to 51.60): VN060185.D (-762) (-)

Ion 85.90 (85.60 to 86.60): VN060185.D (-762) (-)

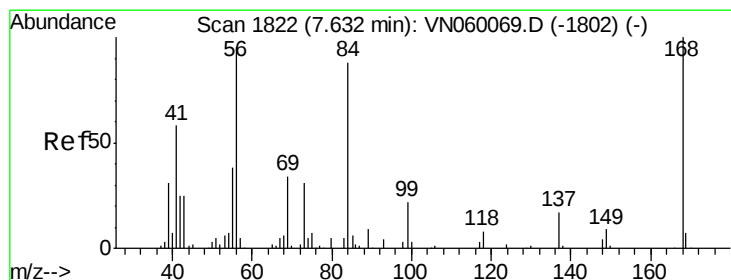
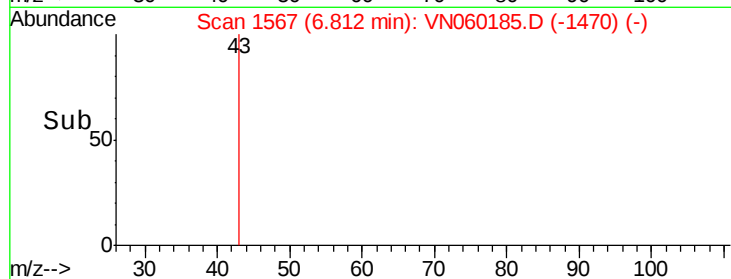
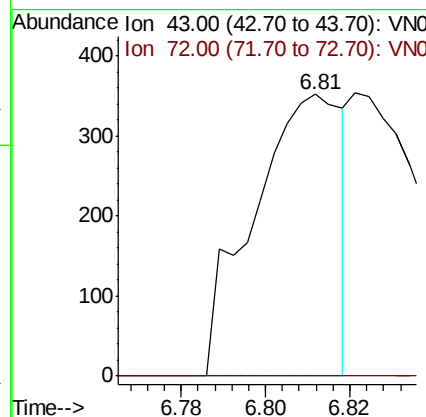
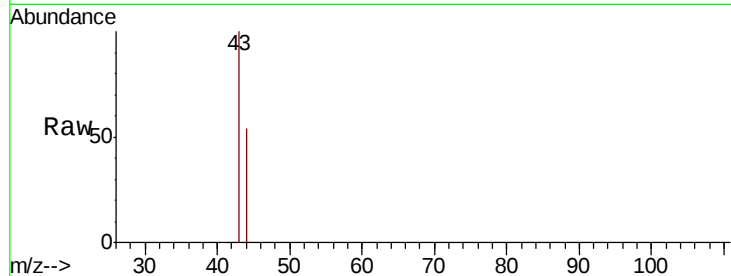




#25
2-Butanone
Concen: 0.434 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

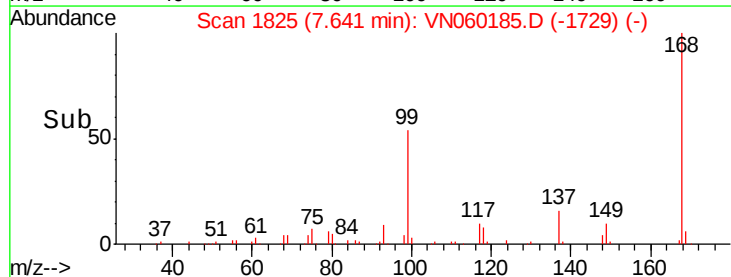
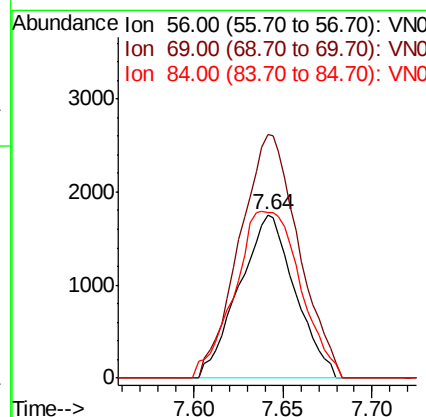
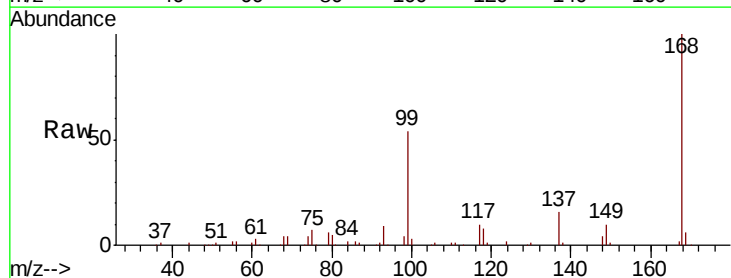
Instrument :
MSVOA_N
ClientSampleId :

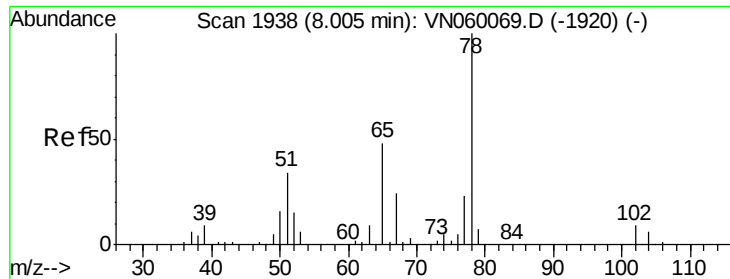
Tot Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

Tgt Ion: 56 Resp: 3829
Ion Ratio Lower Upper
56 100
69 149.1 28.3 42.5#
84 101.5 72.6 108.8

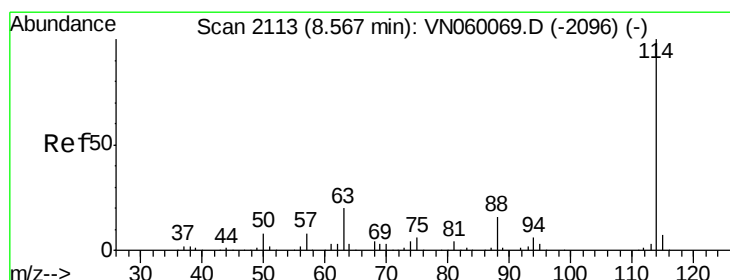
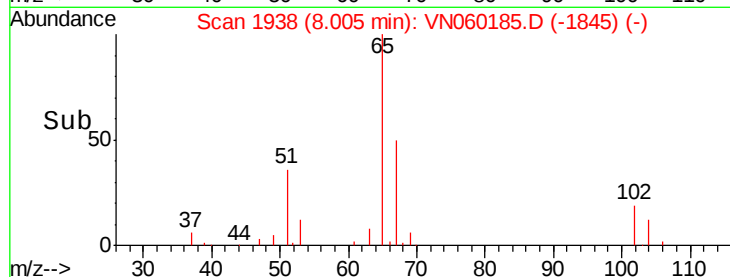
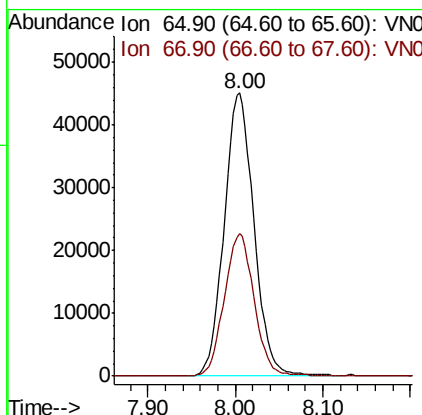
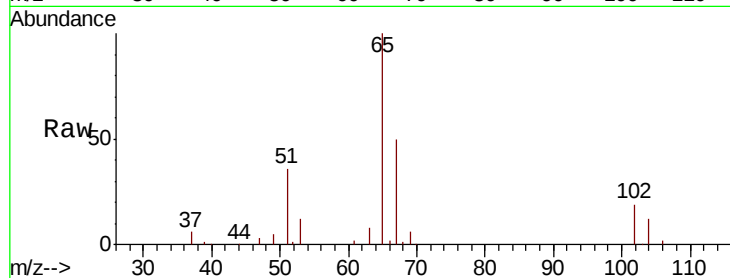




#33
 1,2-Dichloroethane-d4
 Concen: 49.300 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060185.D
 Acq: 21 Feb 2020 13:15

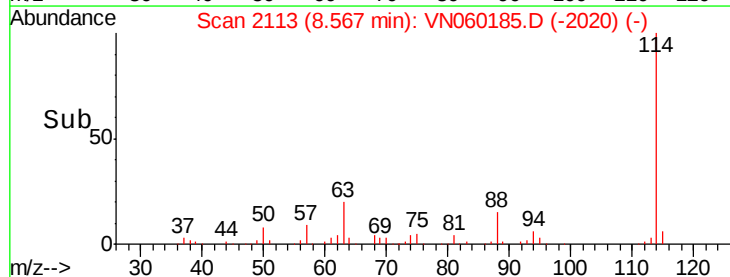
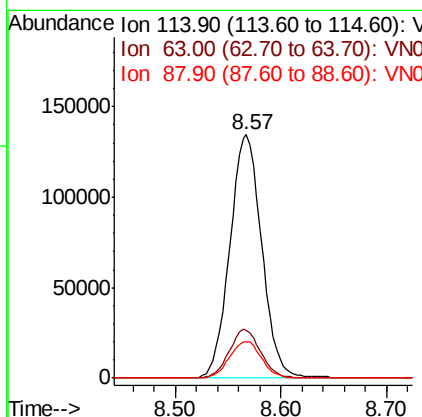
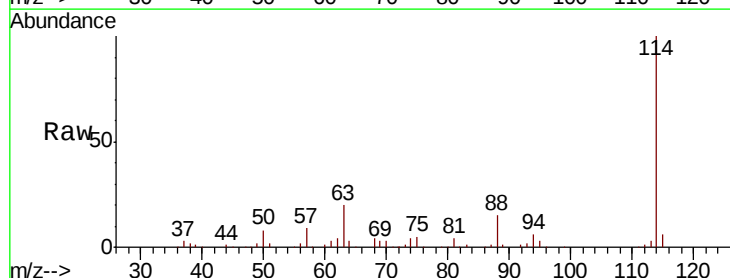
Instrument :
 MSVOA_N
 ClientSampleId :

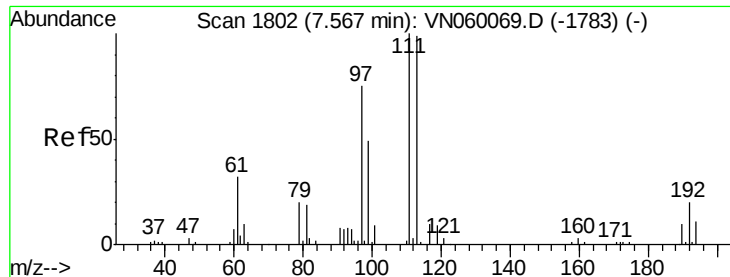
Tot Ion: 65 Resp: 106187
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060185.D
 Acq: 21 Feb 2020 13:15

Tgt Ion: 114 Resp: 281905
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.2 0.0 31.6

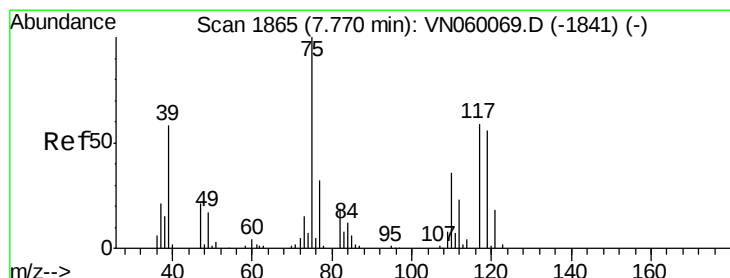
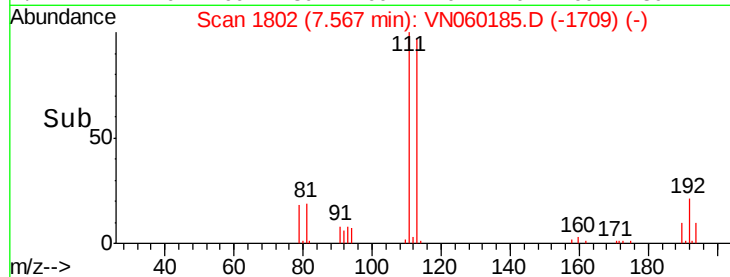
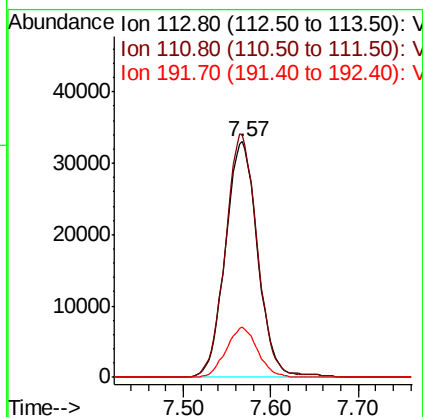
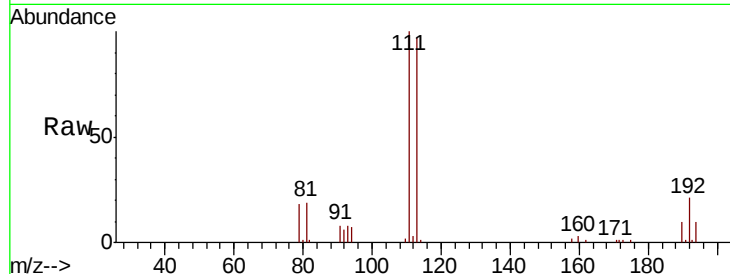




#35
 Dibromofluoromethane
 Concen: 48.784 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060185.D
 Acq: 21 Feb 2020 13:15

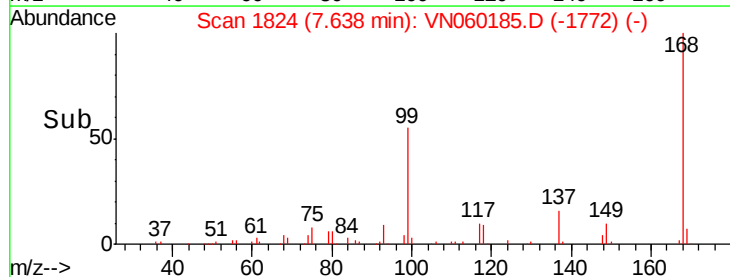
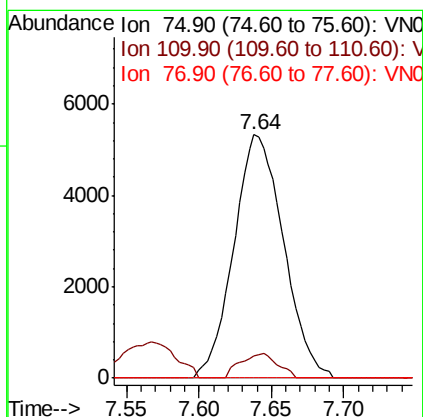
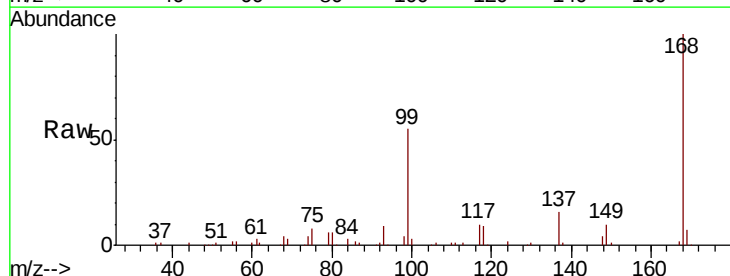
Instrument :
 MSVOA_N
 ClientSampleId :

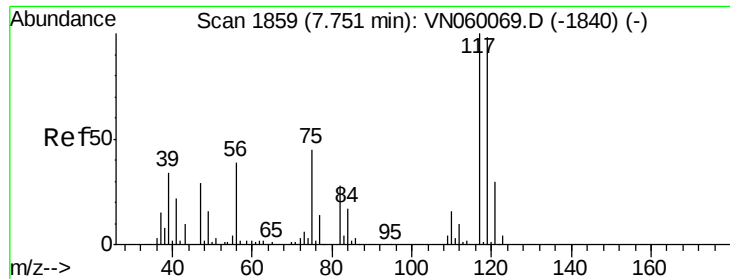
Tot Ion:113 Resp: 84536
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.4 122.2
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060185.D
 Acq: 21 Feb 2020 13:15

Tgt Ion: 75 Resp: 12688
 Ion Ratio Lower Upper
 75 100
 110 7.6 18.1 54.3#
 77 0.0 25.1 37.7#

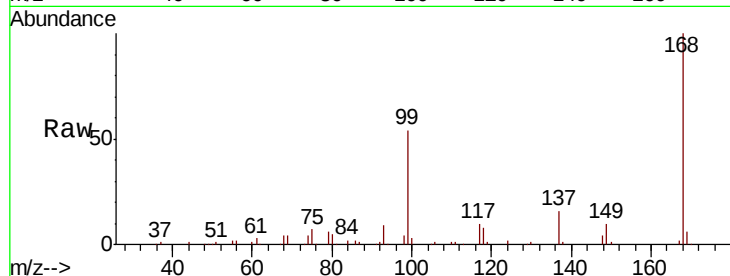




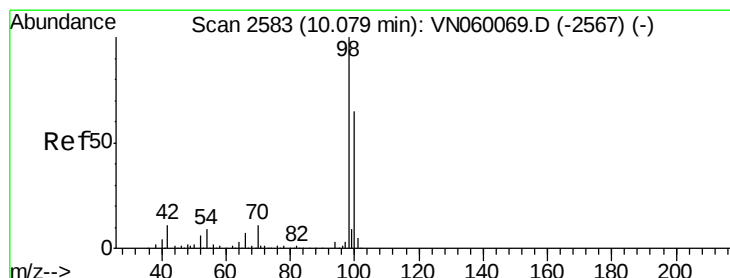
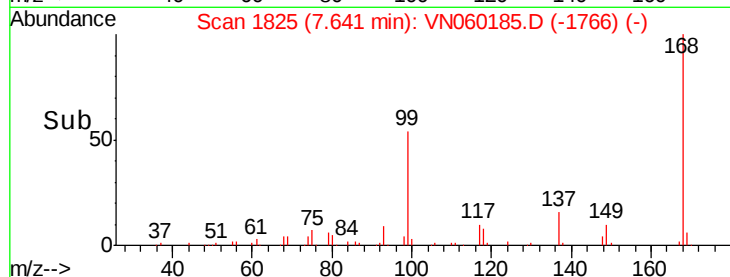
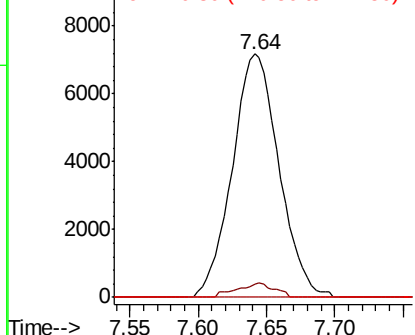
#38
Carbon Tetrachloride
Concen: 6.012 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 17050
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.4#
121 0.0 24.2 36.2#

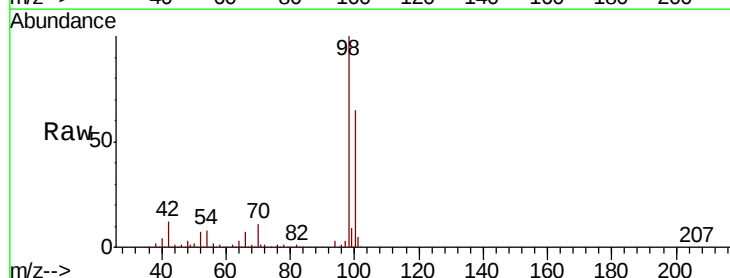


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

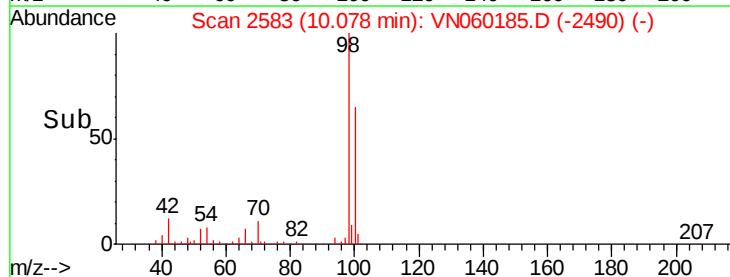
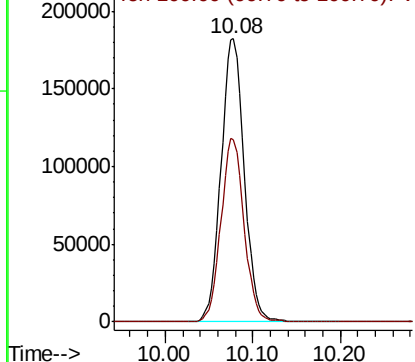


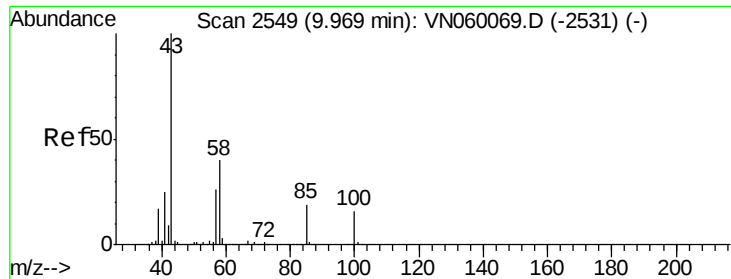
#50
Toluene-d8
Concen: 49.196 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

Tgt Ion: 98 Resp: 335712
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.496 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

Instrument :

MSVOA_N

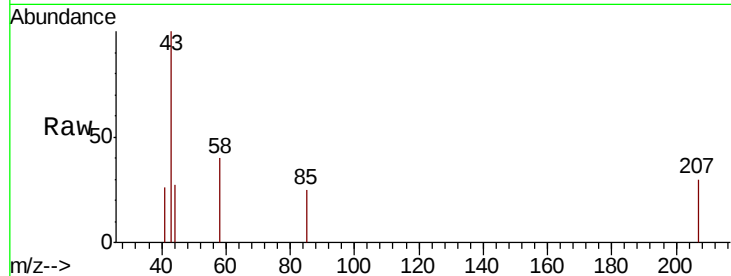
ClientSampleId :

Tot Ion: 43 Resp: 1157

Ion Ratio Lower Upper

43 100

58 31.7 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

9.97

600

400

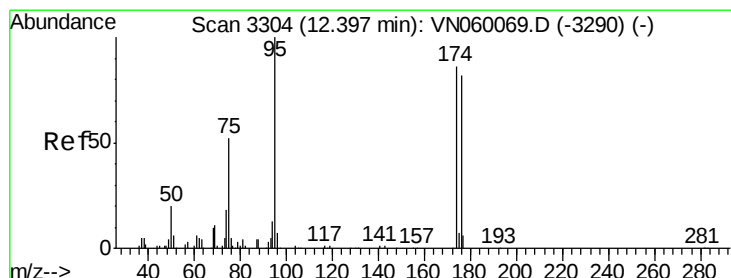
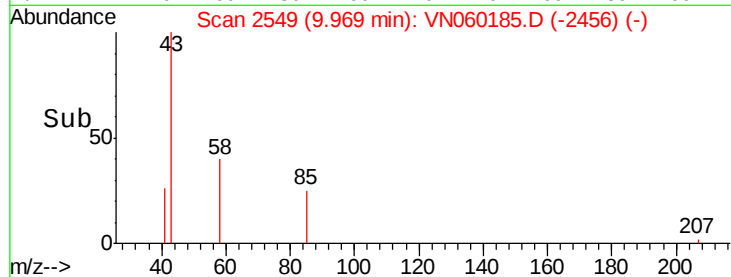
200

0

9.95

10.00

Time-->



#62

4-Bromofluorobenzene

Concen: 47.256 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

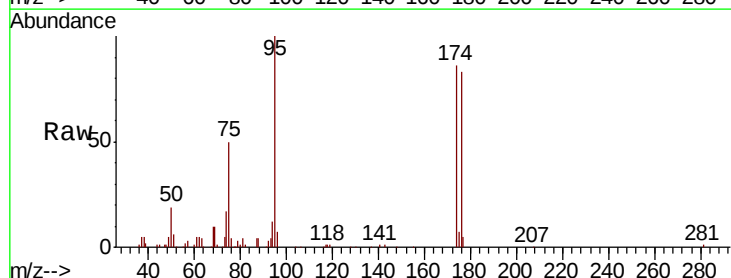
Tgt Ion: 95 Resp: 118495

Ion Ratio Lower Upper

95 100

174 84.3 0.0 169.8

176 82.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060069.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060069.D (-3290) (-)

12.40

80000

60000

40000

20000

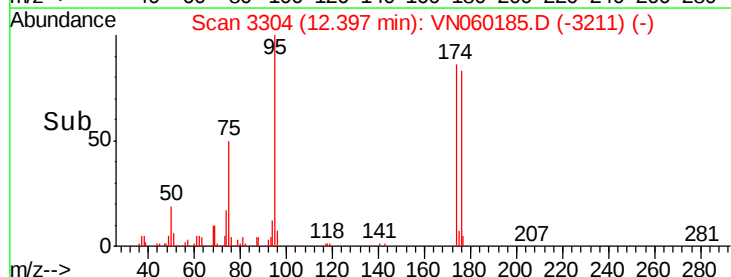
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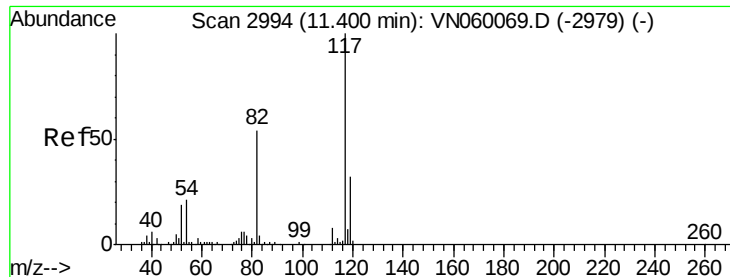
12.30

12.40

12.50

Time-->

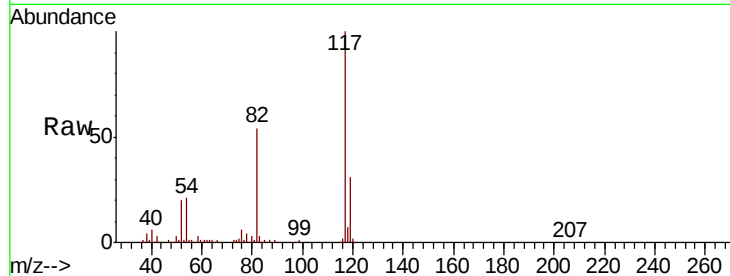




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.4	65.0
119	31.4	25.8	38.6

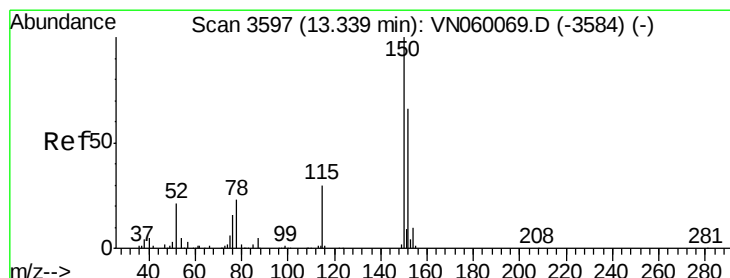
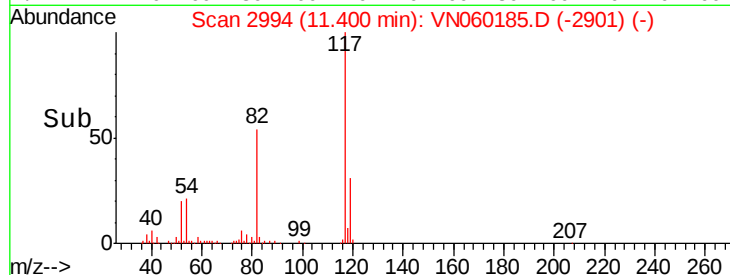
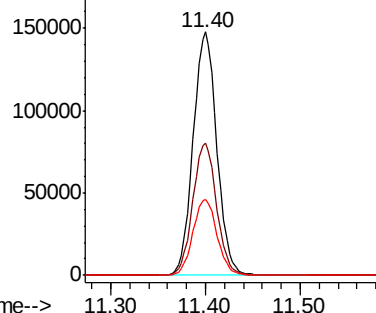


Abundance

Ion 116.90 (116.60 to 117.60): V

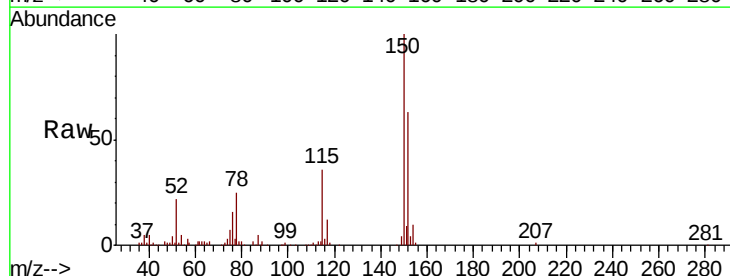
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.8
150	156.0	0.0	342.4

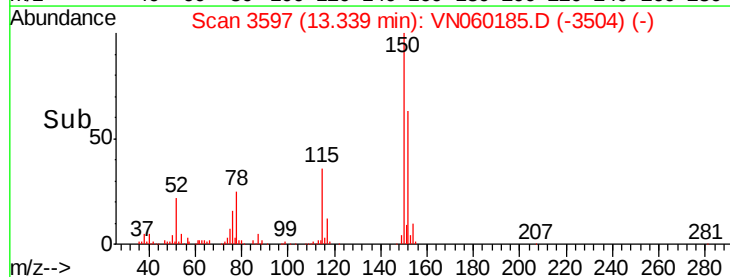
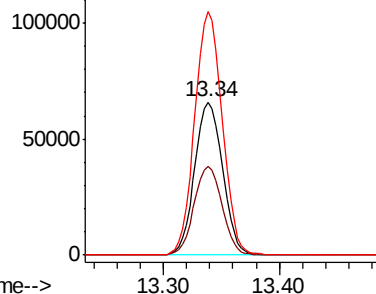


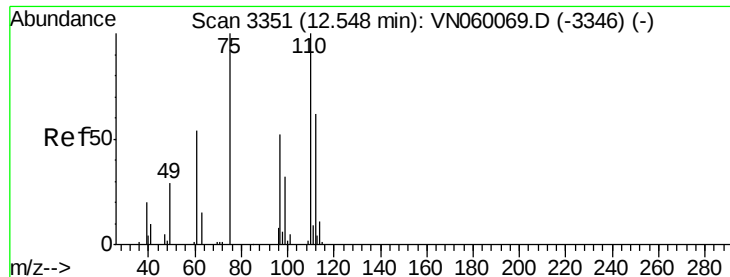
Abundance

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: 28.253 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

Instrument :

MSVOA_N

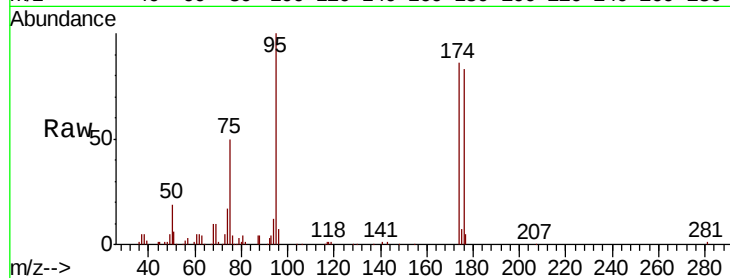
ClientSampleId :

Tot Ion: 75 Resp: 59645

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060185.D (-3180) (-)

Ion 77.00 (76.70 to 77.70): VN060185.D (-3180) (-)

12.40

40000

30000

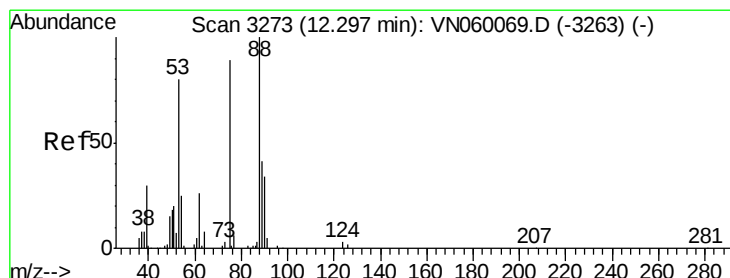
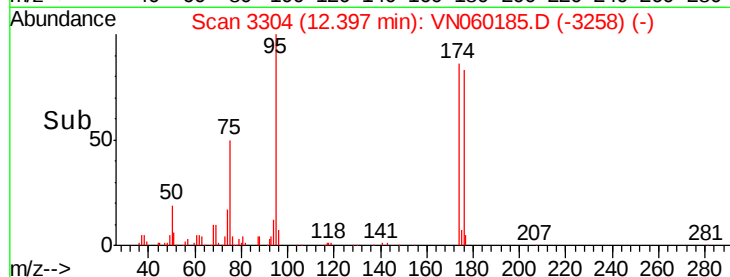
20000

10000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 69.178 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

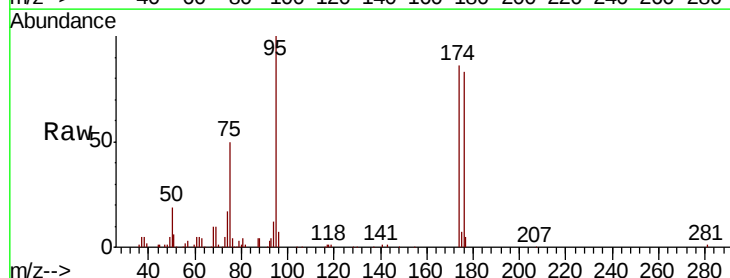
Tgt Ion: 75 Resp: 59645

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060185.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060185.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060185.D (-3180) (-)

12.40

40000

30000

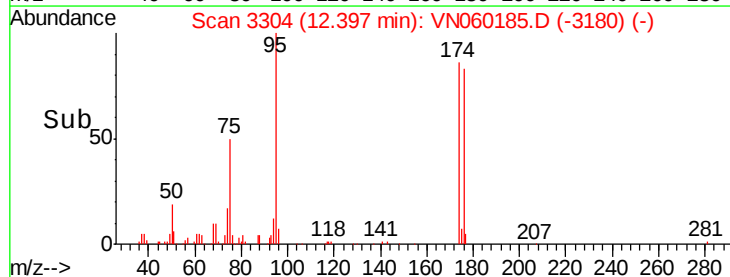
20000

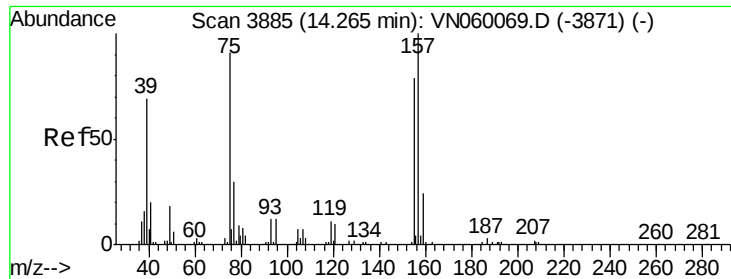
10000

0

12.35 12.40 12.45

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

Instrument :

MSVOA_N

ClientSampleId :

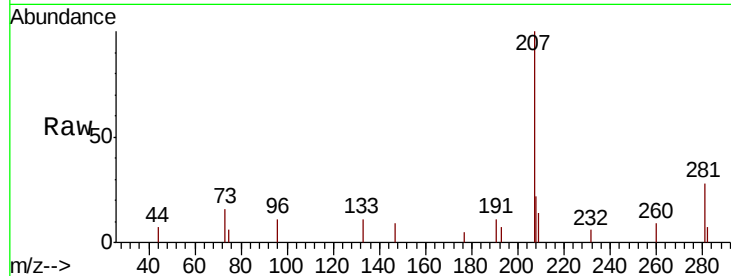
Tot Ion: 75 Resp: 175

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

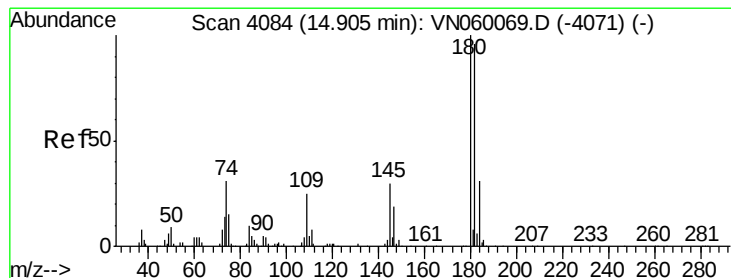
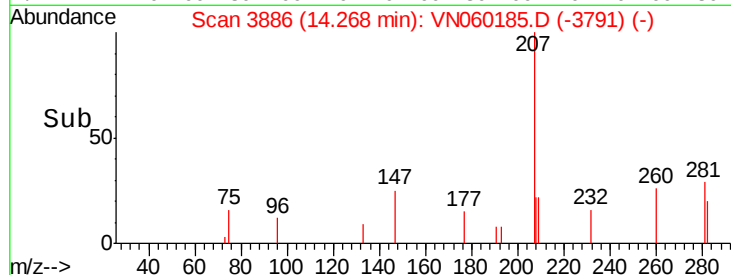
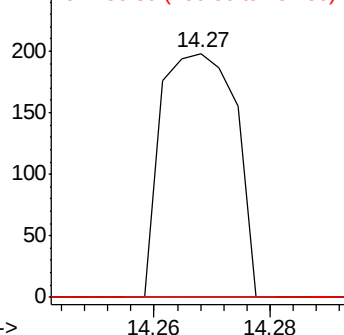
157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.294 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060185.D

Acq: 21 Feb 2020 13:15

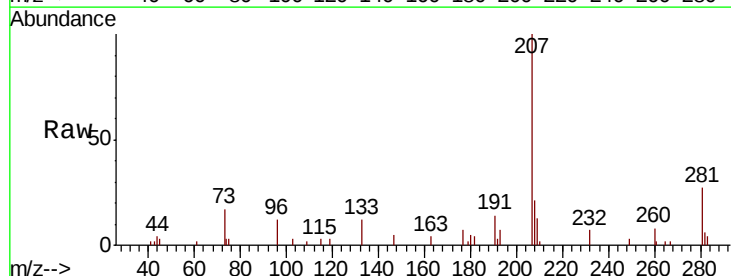
Tgt Ion:180 Resp: 612

Ion Ratio Lower Upper

180 100

182 86.1 47.9 143.8

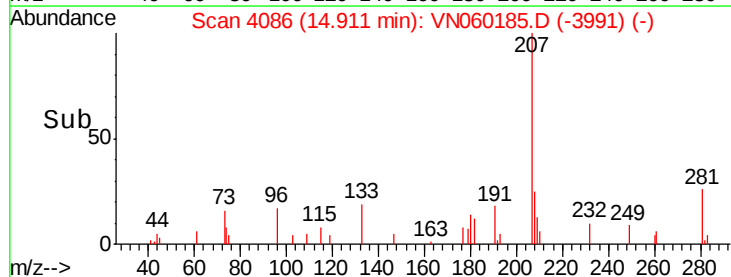
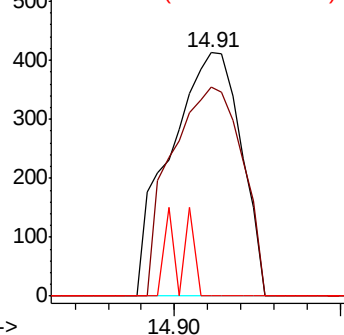
145 9.5 15.2 45.5#

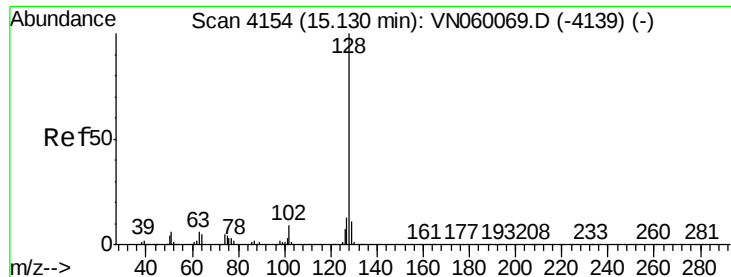


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

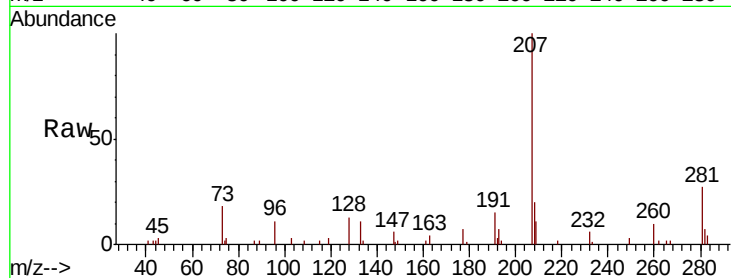




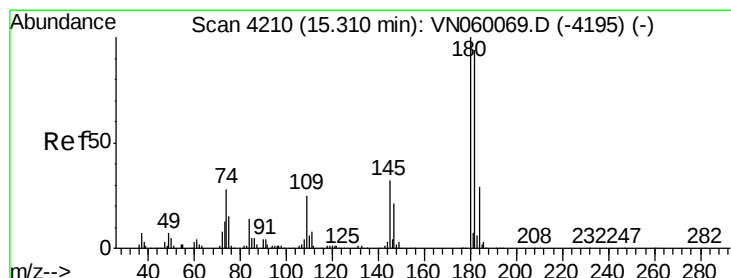
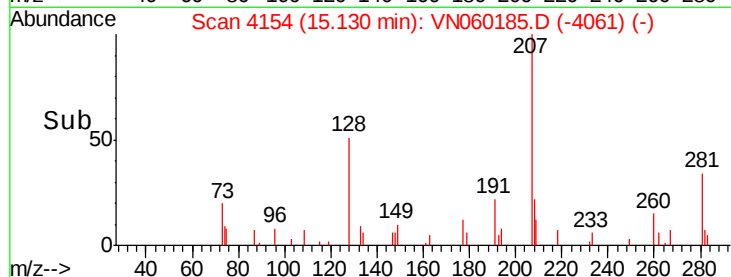
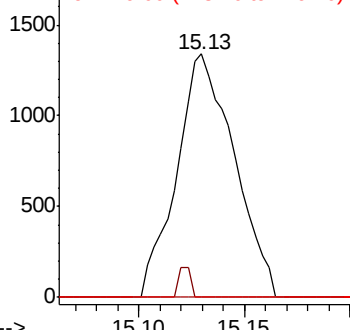
#95
Naphthalene
Concen: 0.452 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 2543
Ion Ratio Lower Upper
128 100
127 2.5 10.3 15.5#
129 0.0 8.6 13.0#

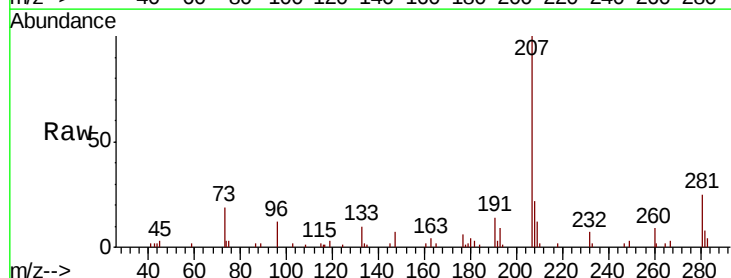


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.319 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060185.D
Acq: 21 Feb 2020 13:15

Tgt Ion:180 Resp: 661
Ion Ratio Lower Upper
180 100
182 90.3 47.5 142.5
145 28.4 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

