

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064898.D
 Acq On : 3 Dec 2020 15:02
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 16829

Quant Time: Dec 04 02:59:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	176758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	311719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	325649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	104903	51.05	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	102.10%
35) Dibromofluoromethane	7.55	113	96153	51.55	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.10%
50) Toluene-d8	10.06	98	393556	51.64	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.28%
62) 4-Bromofluorobenzene	12.37	95	161884	59.35	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	118.70%

Target Compounds

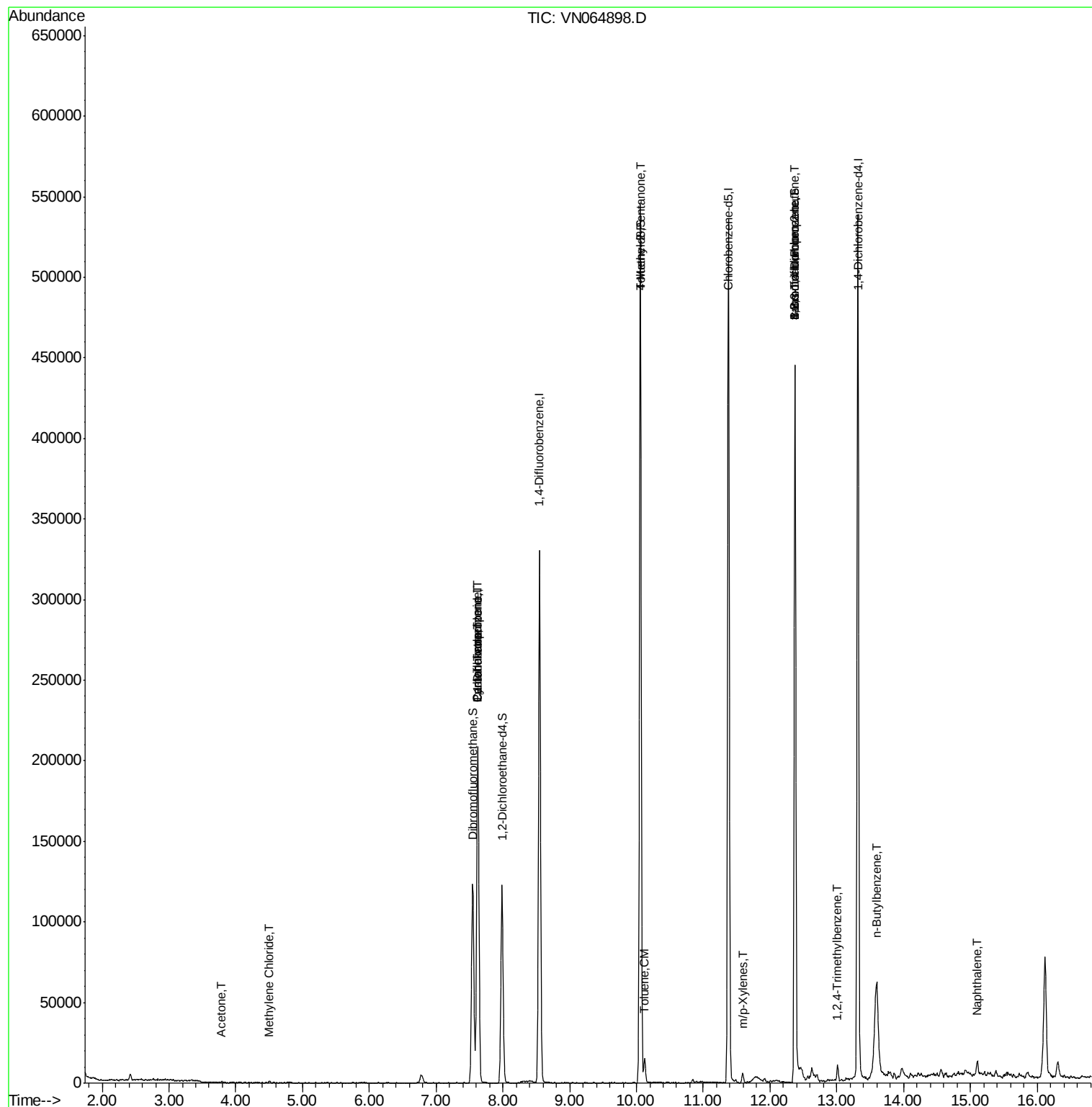
					Qvalue	
16) Acetone	3.78	43	1251	1.852	ug/l #	43
20) Methylene Chloride	4.50	84	437	0.206	ug/l #	27
31) Cyclohexane	7.62	56	3359	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11819	4.091	ug/l #	49
38) Carbon Tetrachloride	7.63	117	16863	5.609	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1627	0.605	ug/l #	1
52) Toluene	10.12	92	6698	1.228	ug/l	99
68) m/p-Xylenes	11.59	106	2149	0.486	ug/l	99
71) Bromoform	12.38	173	1251	0.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	77263	23.501	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	77263	64.411	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.01	105	6184	0.693	ug/l	89
89) n-Butylbenzene	13.59	91	6635	0.845	ug/l #	50
95) Naphthalene	15.11	128	9416	1.017	ug/l #	97

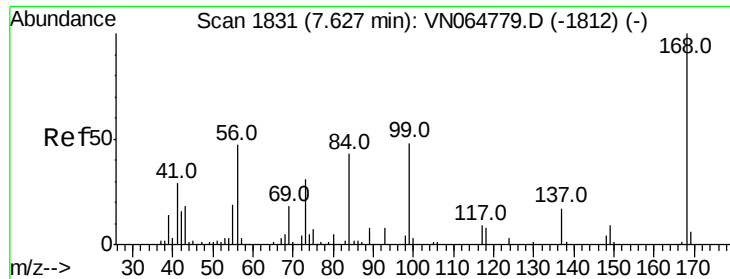
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 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: VN064898.D

Acq: 3 Dec 2020 15:02

Instrument :

MSVOA_N

ClientSampled :

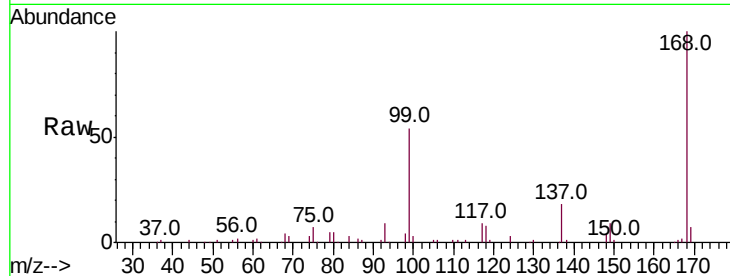
16829

Tot Ion:168 Resp: 176758

Ion Ratio Lower Upper

168 100

99 54.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

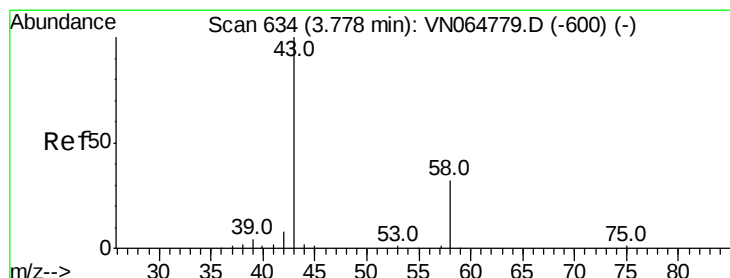
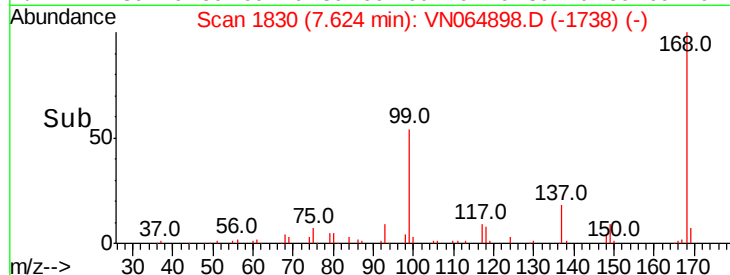
40000

20000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.852 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064898.D

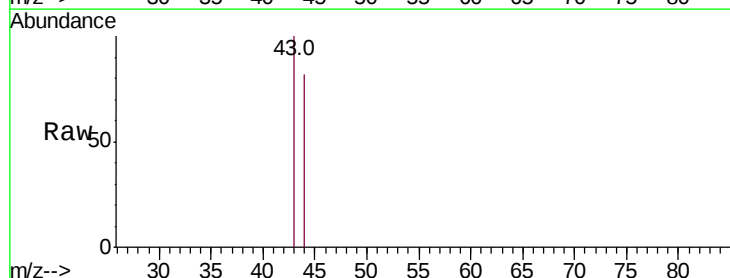
Acq: 3 Dec 2020 15:02

Tgt Ion: 43 Resp: 1251

Ion Ratio Lower Upper

43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

500

400

300

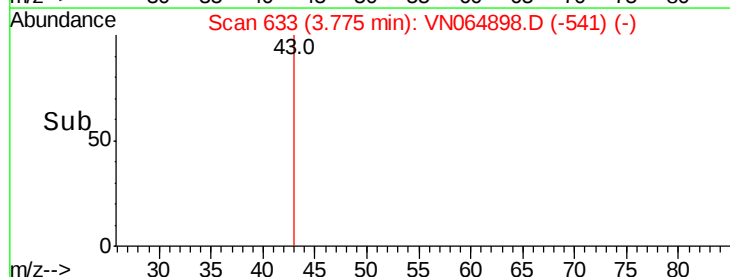
200

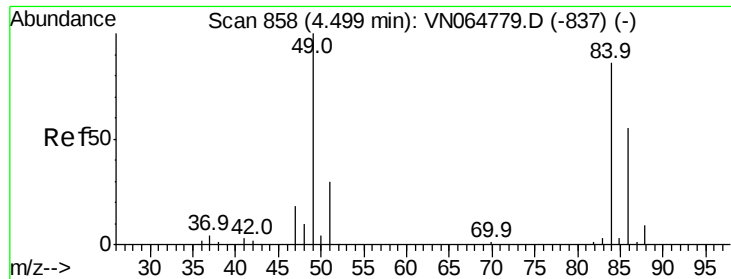
100

0

3.75 3.80

Time-->





#20

Methylene Chloride

Concen: 0.206 ug/l

RT: 4.50 min Scan# 858

Delta R.T. 0.00 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

Instrument :

MSVOA_N

ClientSampled :

16829

Tot Ion: 84 Resp: 437

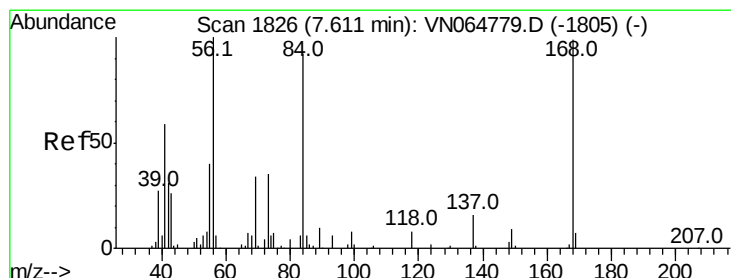
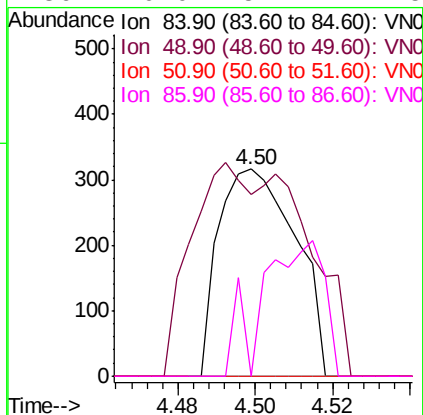
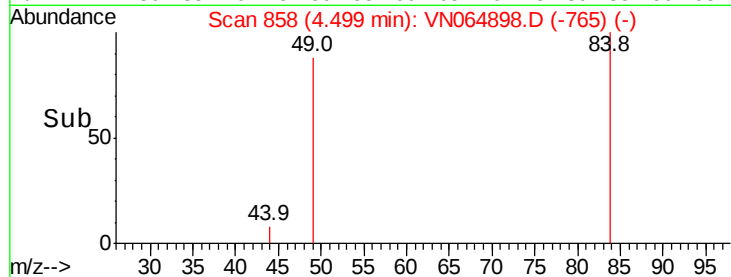
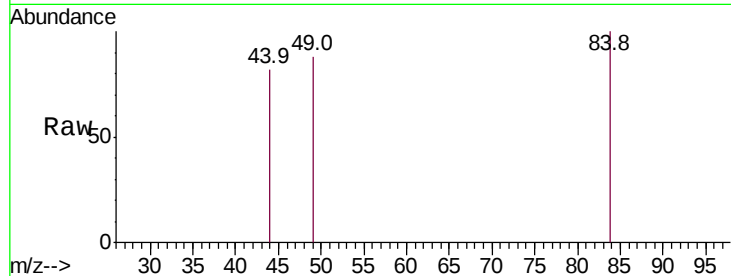
Ion Ratio Lower Upper

84 100

49 38.6 93.4 140.0#

51 0.0 28.2 42.4#

86 0.0 51.7 77.5#



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

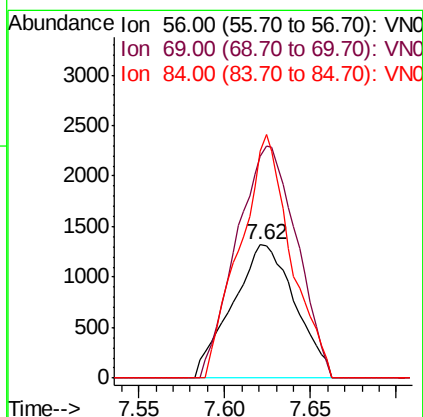
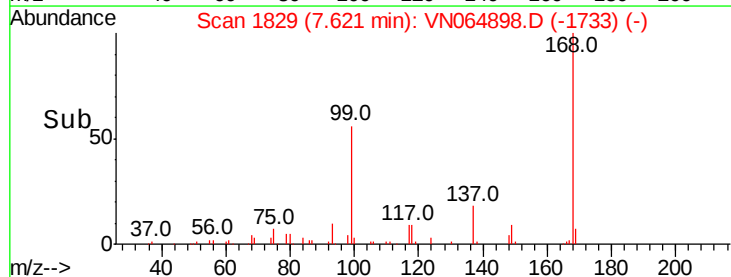
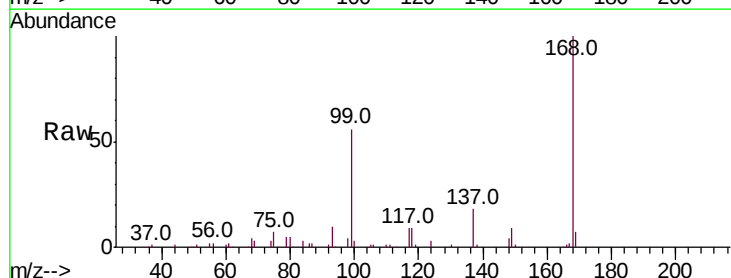
Tgt Ion: 56 Resp: 3359

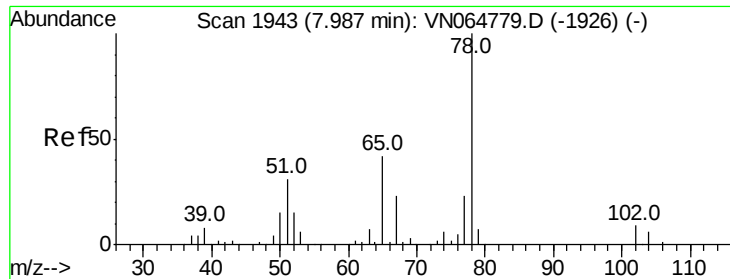
Ion Ratio Lower Upper

56 100

69 167.1 27.5 41.3#

84 170.9 73.9 110.9#

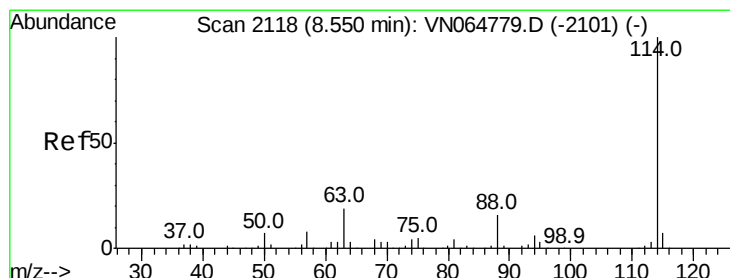
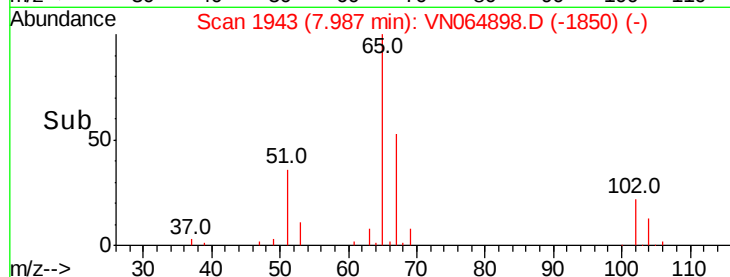
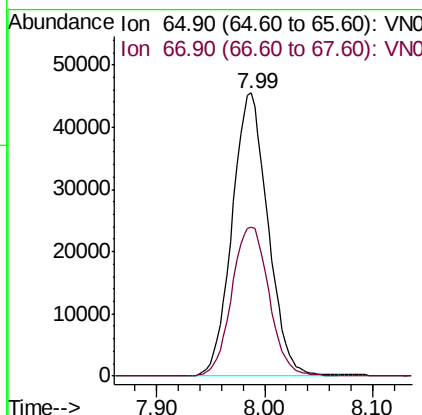
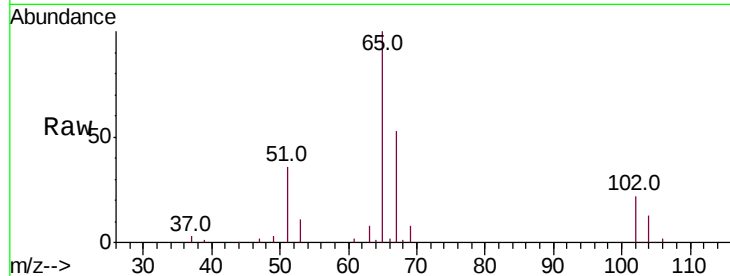




#33
 1,2-Dichloroethane-d4
 Concen: 51.049 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064898.D
 Acq: 3 Dec 2020 15:02

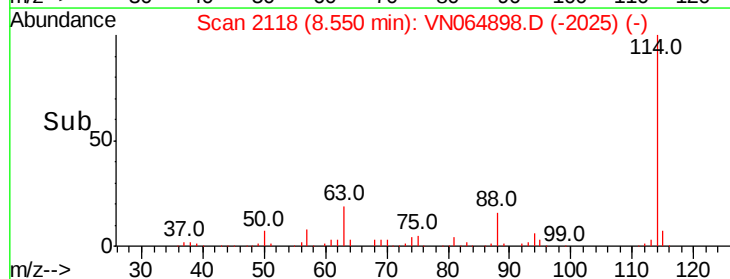
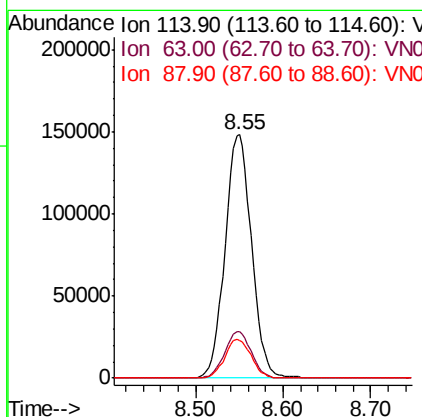
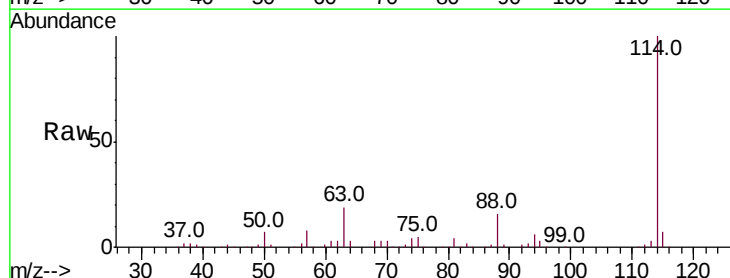
Instrument :
 MSVOA_N
 ClientSampled :
 16829

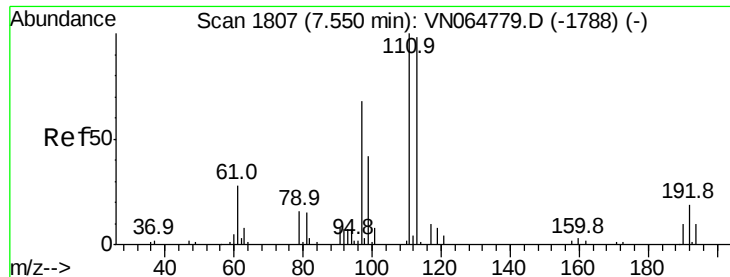
Tot Ion: 65 Resp: 104903
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064898.D
 Acq: 3 Dec 2020 15:02

Tgt Ion: 114 Resp: 311719
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.550 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

Instrument :
MSVOA_N
ClientSampleId :
16829

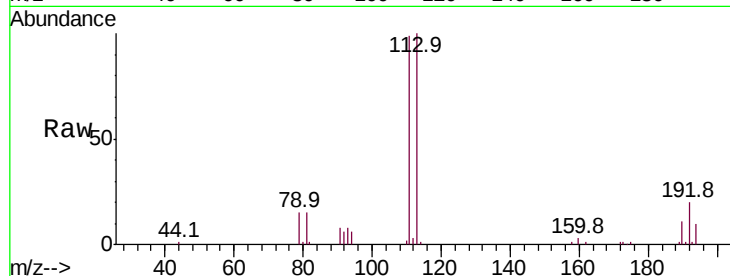
Tot Ion:113 Resp: 96153

Ion Ratio Lower Upper

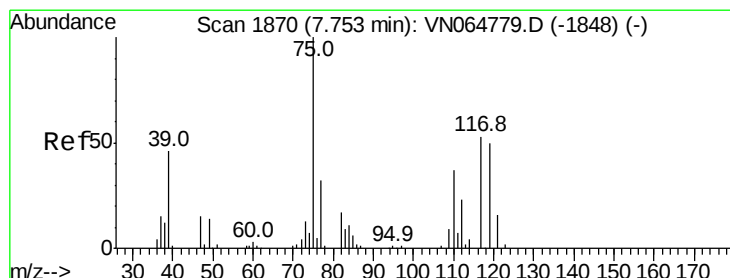
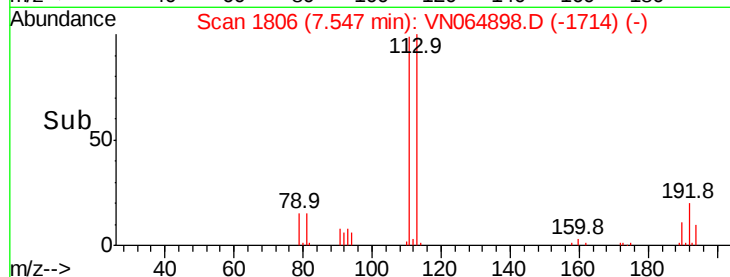
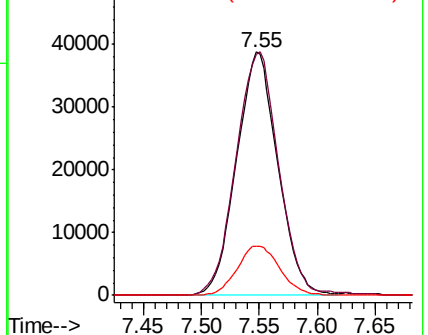
113 100

111 103.4 81.6 122.4

192 20.7 16.2 24.2



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: 4.091 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

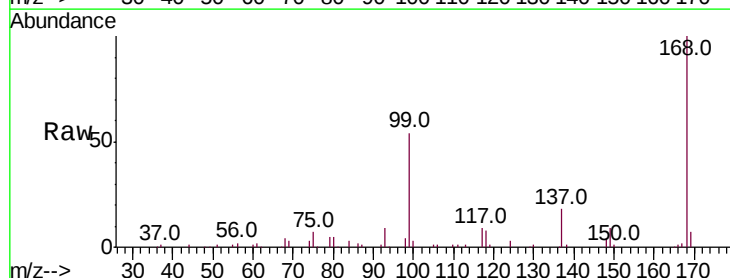
Tgt Ion: 75 Resp: 11819

Ion Ratio Lower Upper

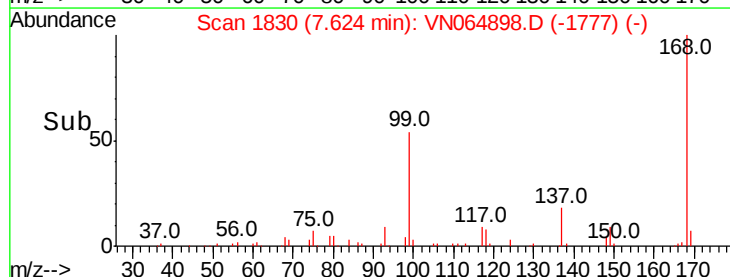
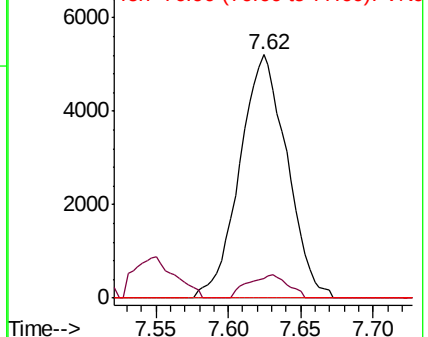
75 100

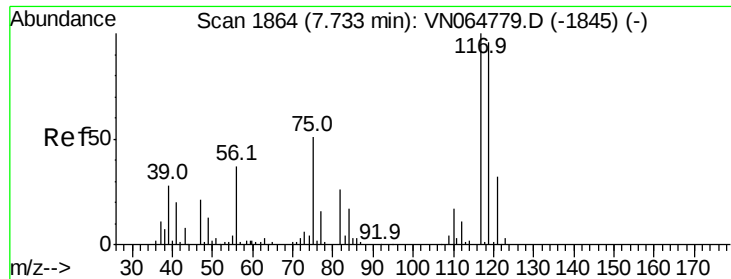
110 8.1 17.8 53.3#

77 0.0 25.0 37.4#



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

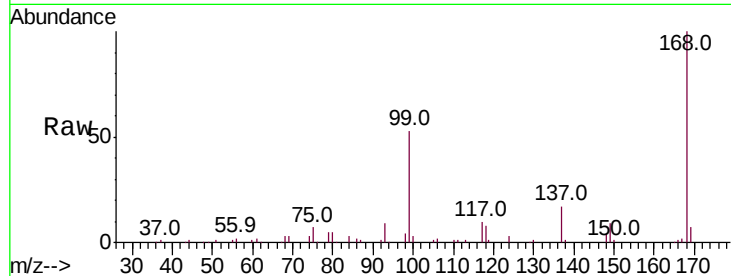




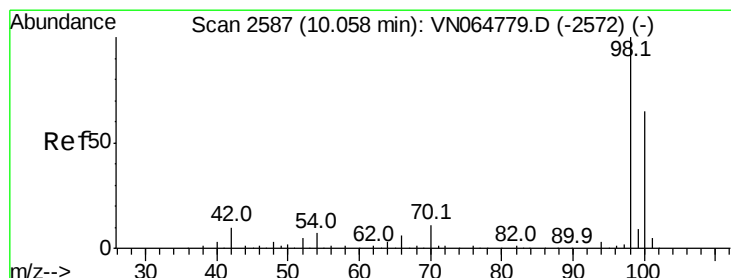
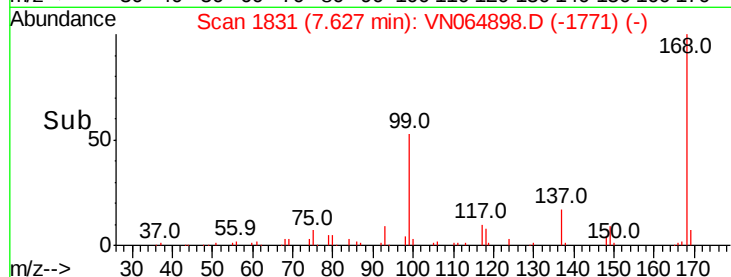
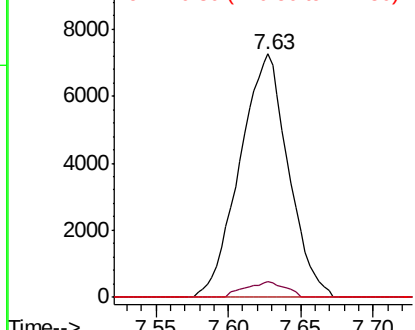
#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064898.D
Acq: 3 Dec 2020 15:02

Instrument :
MSVOA_N
ClientSampled :
16829

Tot Ion:117 Resp: 16863
Ion Ratio Lower Upper
117 100
119 6.5 76.7 115.1#
121 0.0 25.4 38.2#

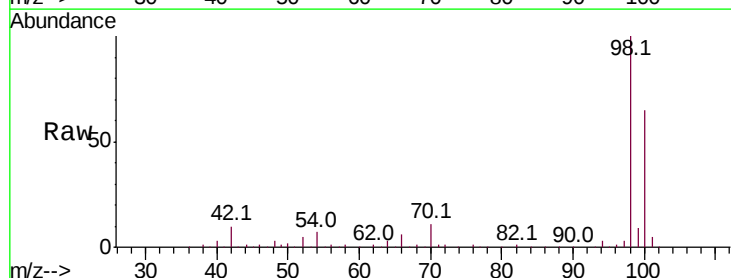


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

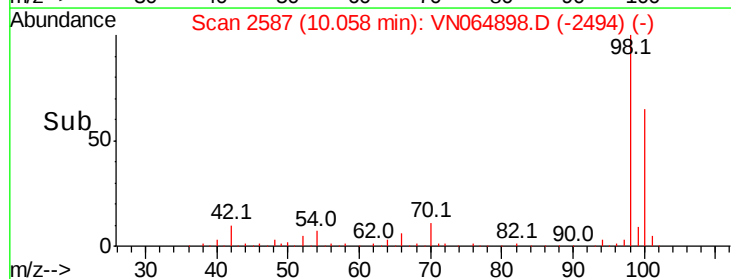
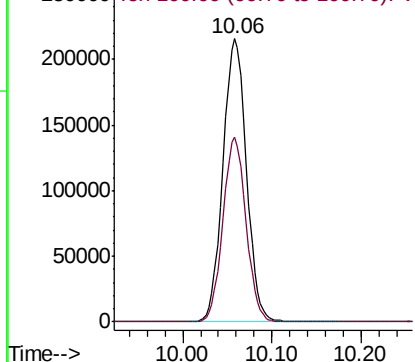


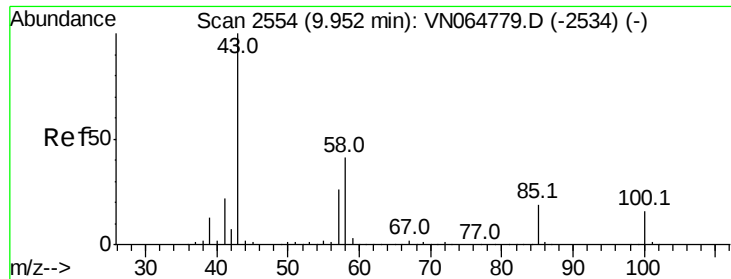
#50
Toluene-d8
Concen: 51.640 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064898.D
Acq: 3 Dec 2020 15:02

Tgt Ion: 98 Resp: 393556
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



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: 0.605 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

Instrument :

MSVOA_N

ClientSampleId :

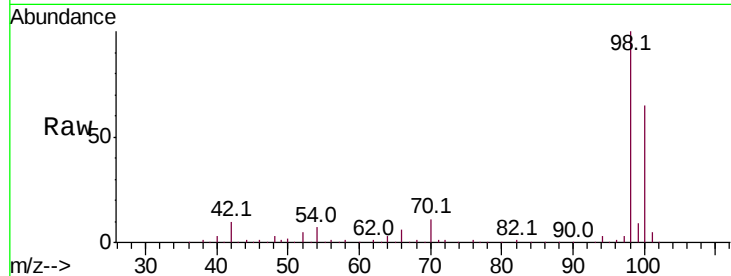
16829

Tot Ion: 43 Resp: 1627

Ion Ratio Lower Upper

43 100

58 164.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

1500

1000

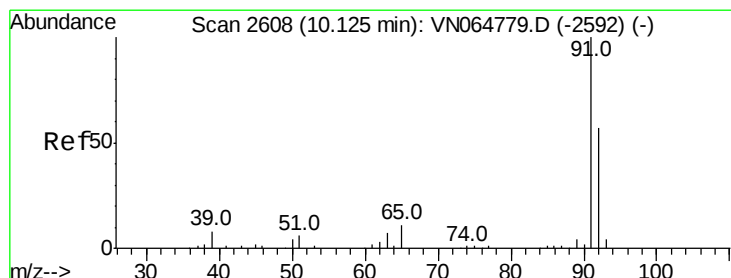
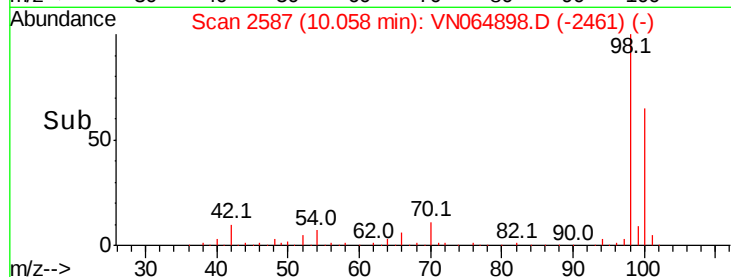
500

0

10.00 10.05 10.10

10.06

Time-->



#52

Toluene

Concen: 1.228 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064898.D

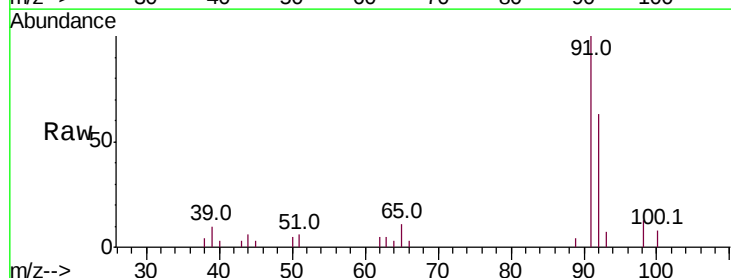
Acq: 3 Dec 2020 15:02

Tgt Ion: 92 Resp: 6698

Ion Ratio Lower Upper

92 100

91 173.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064779.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064779.D (-2592) (-)

6000

4000

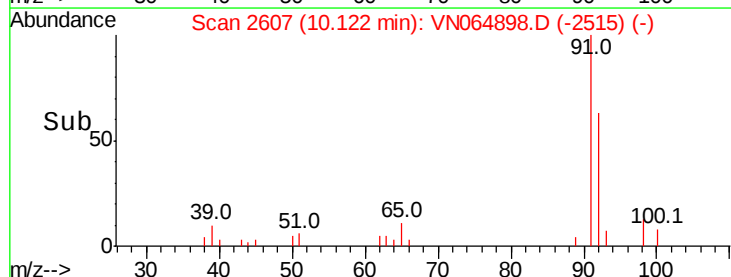
2000

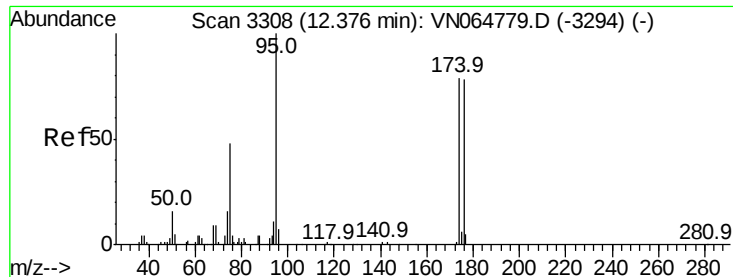
0

10.10 10.15

10.12

Time-->





#62

4-Bromofluorobenzene

Concen: 59.353 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

Instrument :

MSVOA_N

ClientSampled :

16829

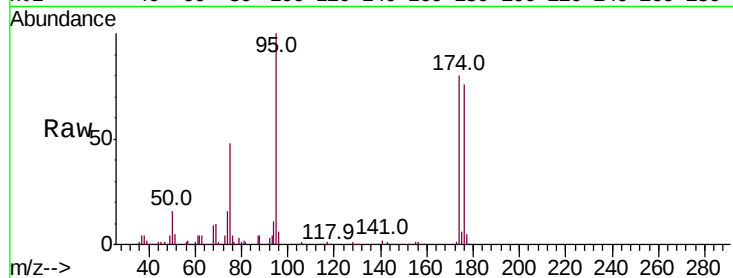
Tot Ion: 95 Resp: 161884

Ion Ratio Lower Upper

95 100

174 80.4 0.0 160.4

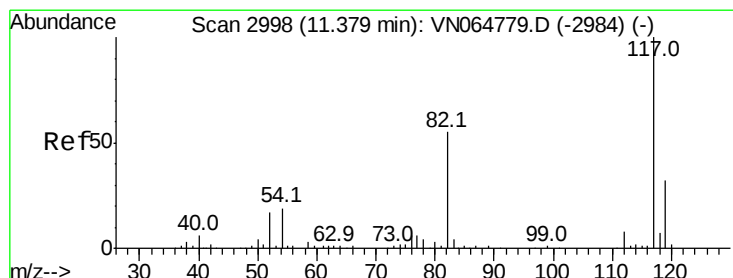
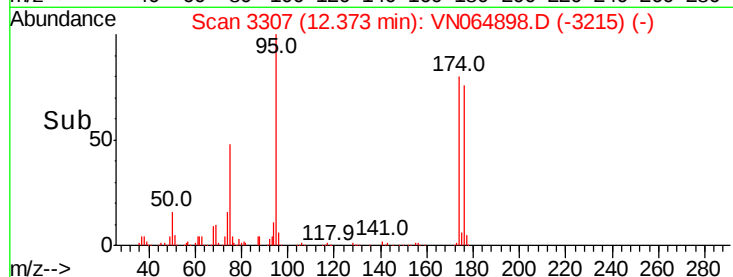
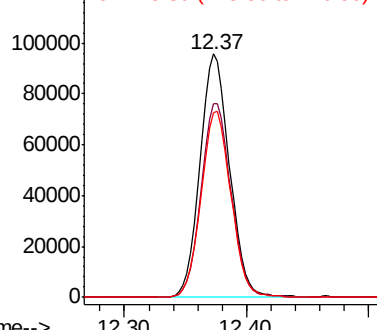
176 77.1 0.0 158.4



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: VN064898.D

Acq: 3 Dec 2020 15:02

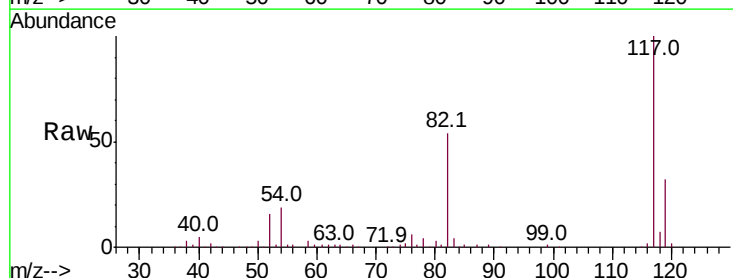
Tgt Ion: 117 Resp: 325649

Ion Ratio Lower Upper

117 100

82 54.2 44.2 66.2

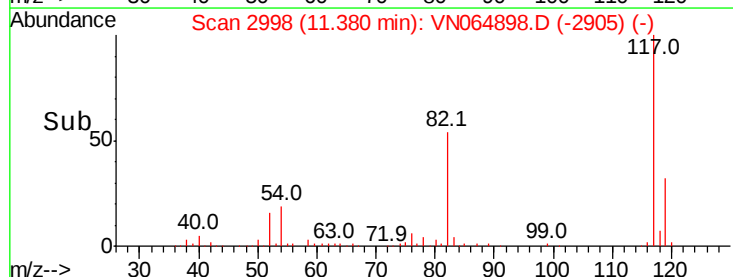
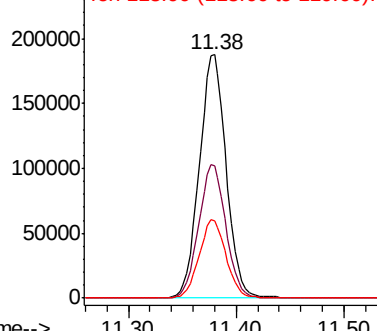
119 31.9 25.8 38.6

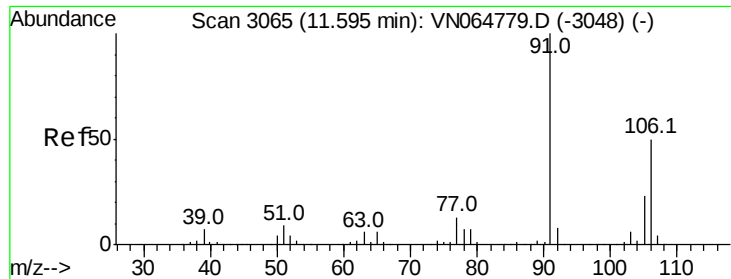


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

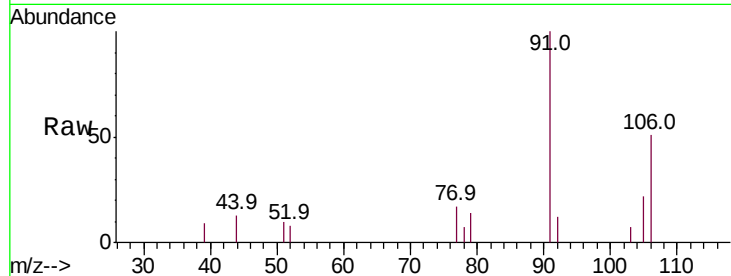




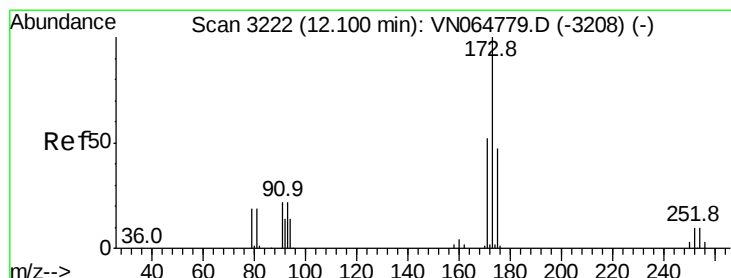
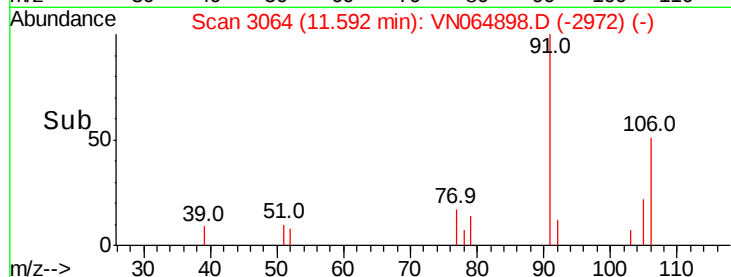
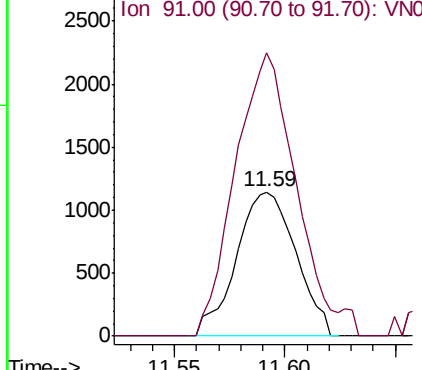
#68
m/p-Xvlenes
Concen: 0.486 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064898.D
Acq: 3 Dec 2020 15:02

Instrument :
MSVOA_N
ClientSampled :
16829

Tot Ion:106 Resp: 2149
Ion Ratio Lower Upper
106 100
91 202.1 161.0 241.4

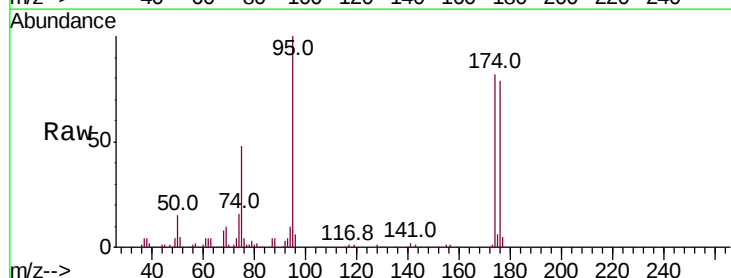


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

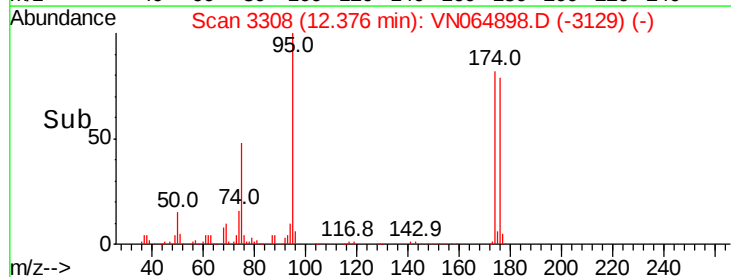
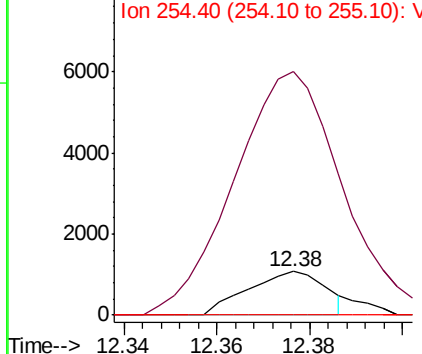


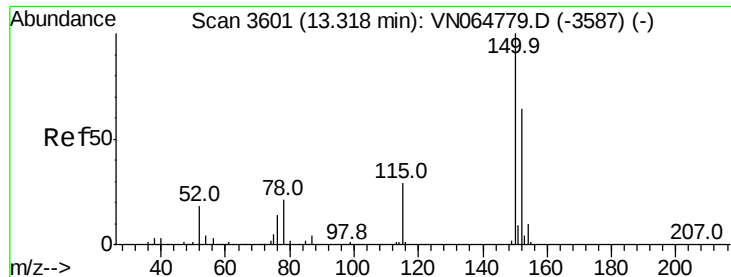
#71
Bromoform
Concen: 0.609 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064898.D
Acq: 3 Dec 2020 15:02

Tgt Ion:173 Resp: 1251
Ion Ratio Lower Upper
173 100
175 675.9 24.3 72.8#
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# 3600

Delta R.T. -0.00 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

Instrument :

MSVOA_N

ClientSampled :

16829

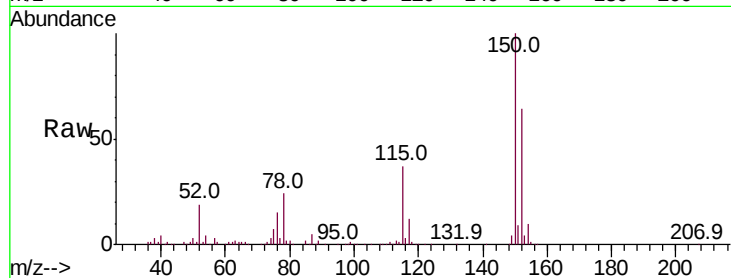
Tot Ion:152 Resp: 152659

Ion Ratio Lower Upper

152 100

115 58.4 29.7 89.1

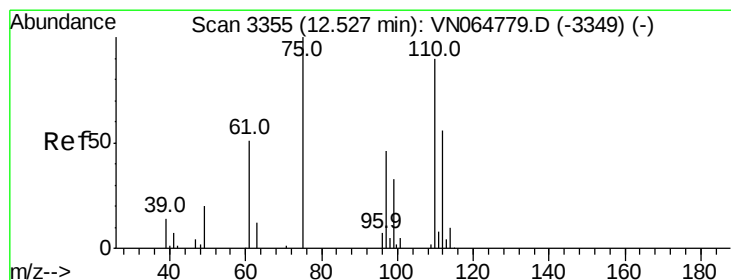
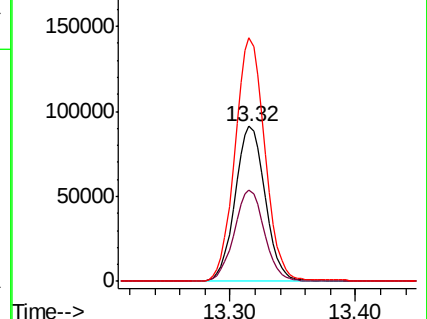
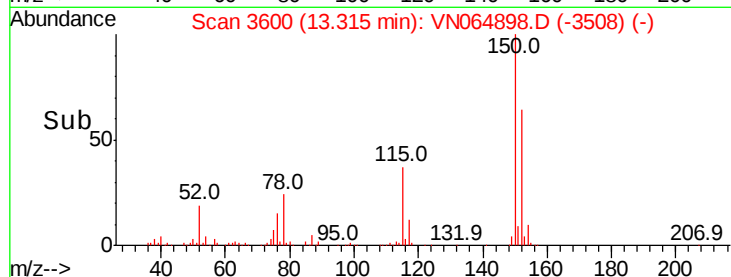
150 156.0 0.0 350.6



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: 23.501 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064898.D

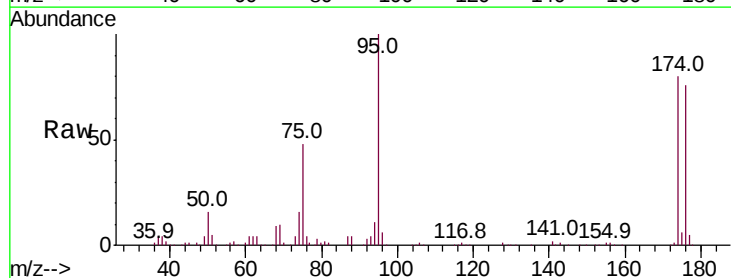
Acq: 3 Dec 2020 15:02

Tgt Ion: 75 Resp: 77263

Ion Ratio Lower Upper

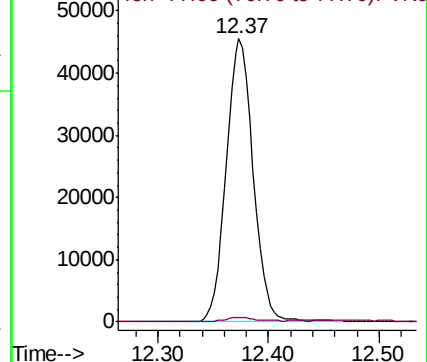
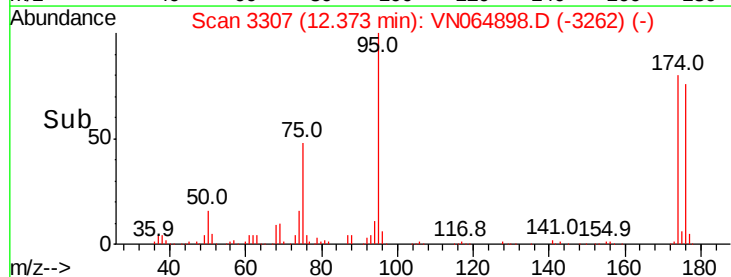
75 100

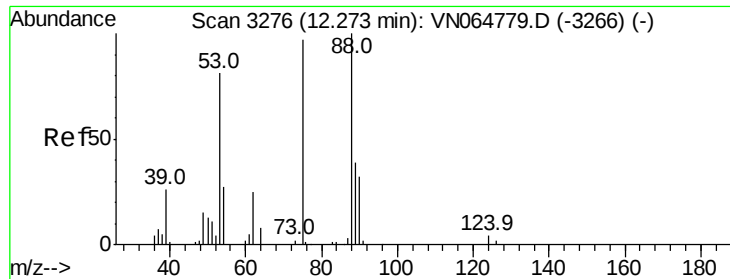
77 1.7 0.0 0.0#



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: 64.411 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064898.D

Acq: 3 Dec 2020 15:02

Instrument :

MSVOA_N

ClientSampled :

16829

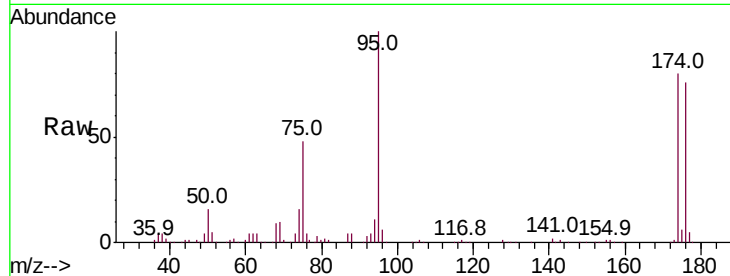
Tot Ion: 75 Resp: 77263

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

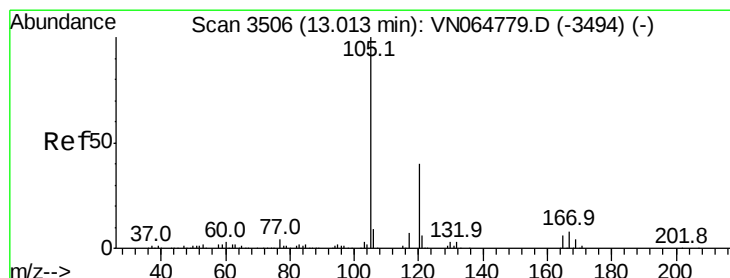
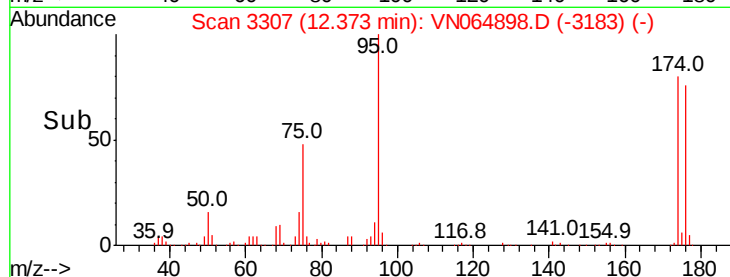
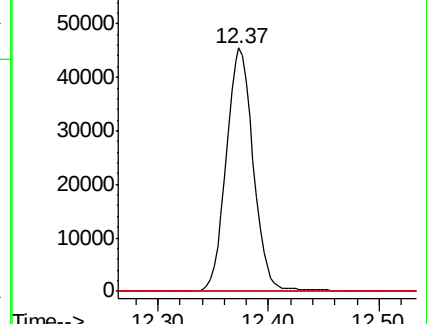
89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN064779.D (-3266) (-)

Ion 88.90 (88.60 to 89.60): VN064779.D (-3266) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.693 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064898.D

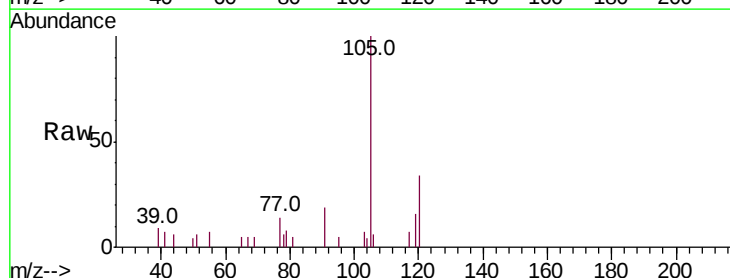
Acq: 3 Dec 2020 15:02

Tgt Ion: 105 Resp: 6184

Ion Ratio Lower Upper

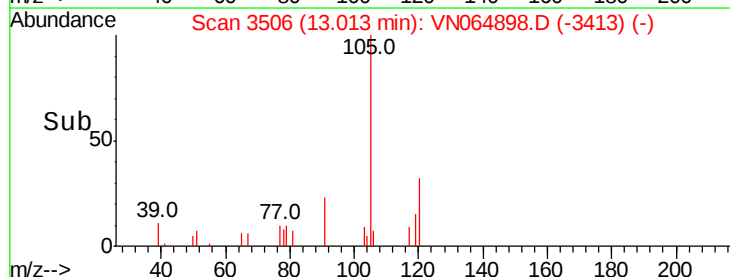
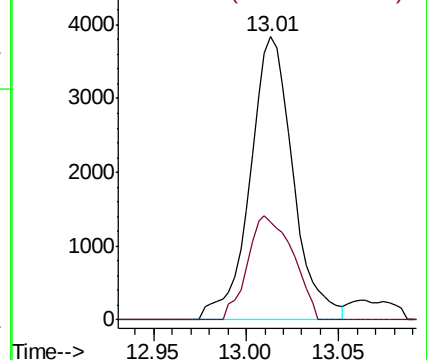
105 100

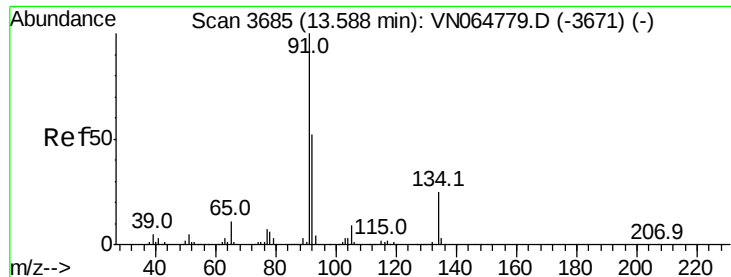
120 38.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3494) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3494) (-)

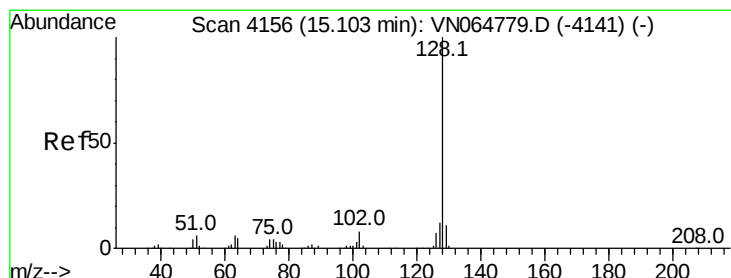
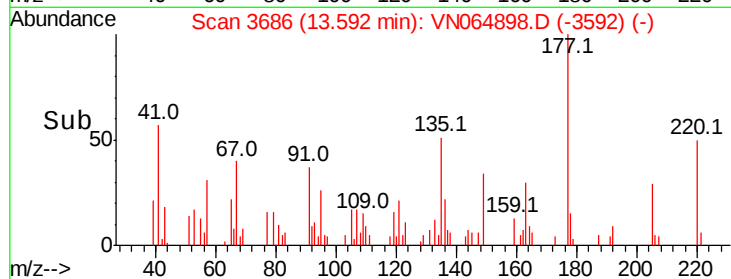
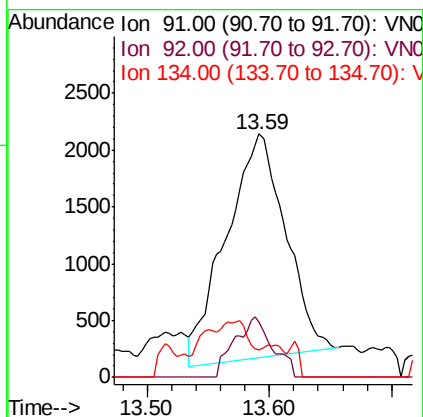
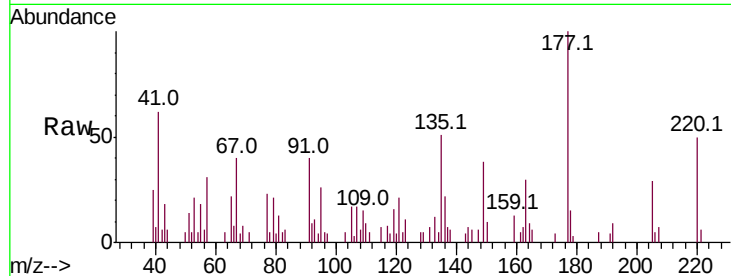




#89
n-Butylbenzene
Concen: 0.845 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN064898.D
Acq: 3 Dec 2020 15:02

Instrument :
MSVOA_N
ClientSampled :
16829

Tot Ion: 91 Resp: 6635
Ion Ratio Lower Upper
91 100
92 17.1 26.0 78.0#
134 0.0 12.9 38.6#



#95
Naphthalene
Concen: 1.017 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN064898.D
Acq: 3 Dec 2020 15:02

Tgt Ion: 128 Resp: 9416
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 13.3 8.7 13.1#

