

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100520\
 Data File : VN063863.D
 Acq On : 5 Oct 2020 12:06
 Operator : JC/MD
 Sample : L4230-11
 Misc : 1.01g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 27080

Quant Time: Oct 06 01:37:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	213272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	389658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159839	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	184904	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
35) Dibromofluoromethane	7.55	113	127966	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
50) Toluene-d8	10.06	98	486102	47.53	ug/l	0.00
Spiked Amount			Recovery	=	95.06%	
62) 4-Bromofluorobenzene	12.38	95	190052	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	

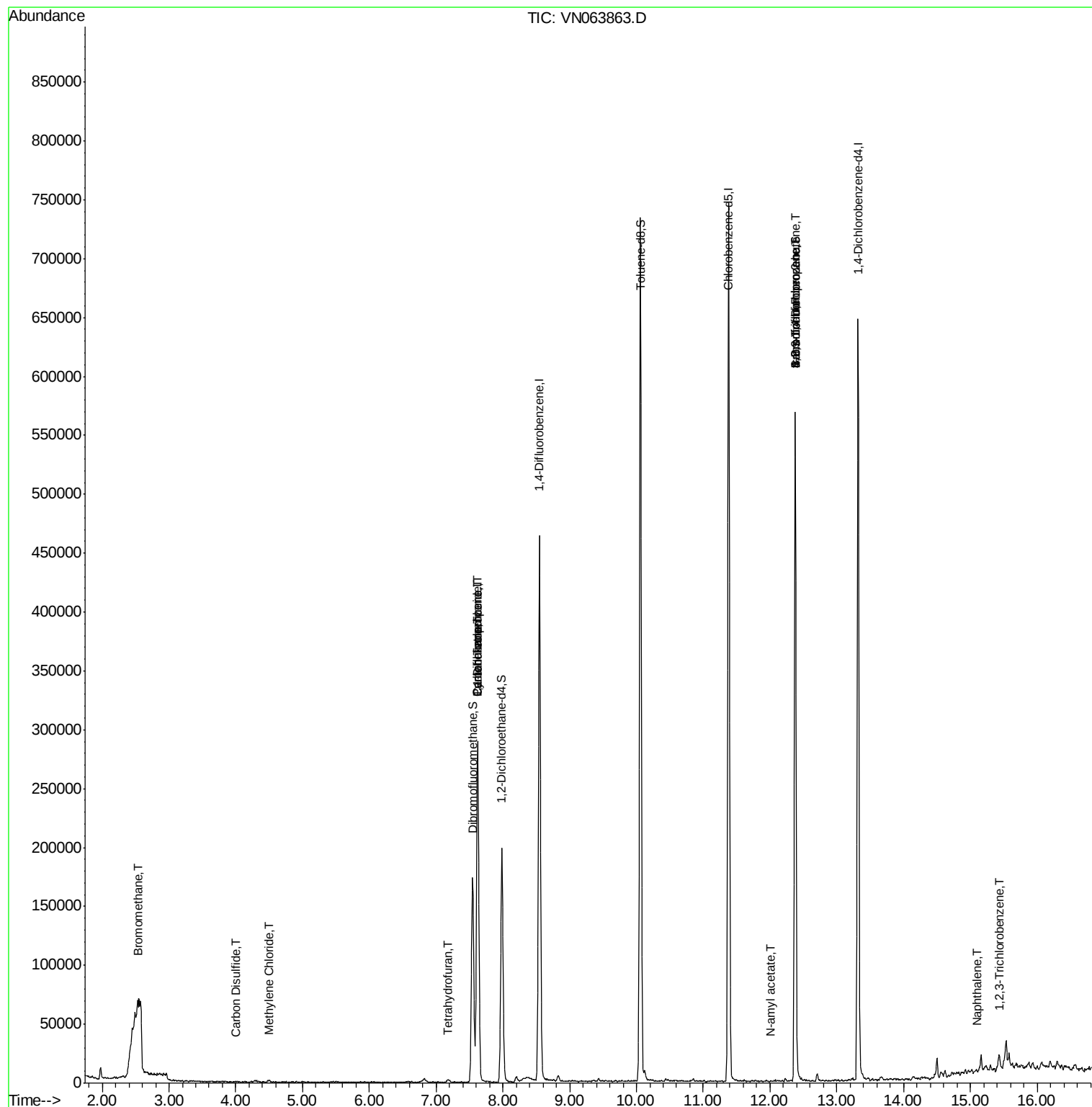
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	362	0.217	ug/l #	27
17) Carbon Disulfide	4.00	76	389	0.767	ug/l #	76
20) Methylene Chloride	4.50	84	559	0.323	ug/l #	58
29) Tetrahydrofuran	7.17	42	1091	1.058	ug/l #	70
31) Cyclohexane	7.62	56	5869	1.435	ug/l #	10
36) 1,1-Dichloropropene	7.62	75	20102	5.103	ug/l #	50
38) Carbon Tetrachloride	7.62	117	23387	5.295	ug/l #	15
71) Bromoform	12.38	173	1207	0.515	ug/l #	1
74) N-amyl acetate	12.02	43	137	2.240	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	106344	30.182	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106344	86.927	ug/l #	6
95) Naphthalene	15.11	128	929	2.028	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.43	180	32	1.580	ug/l #	12

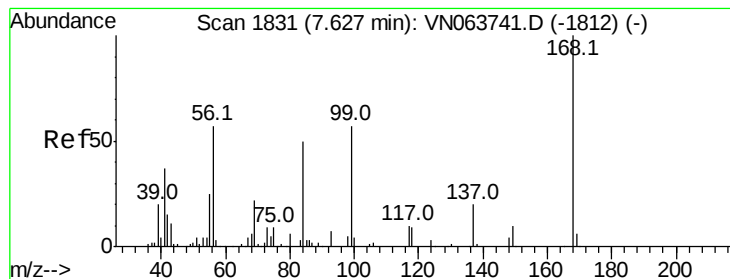
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

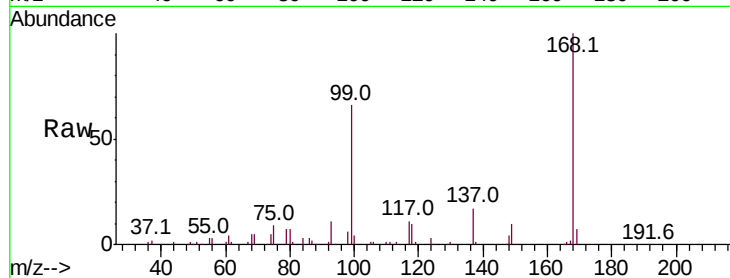
27080

Tot Ion:168 Resp: 213272

Ion Ratio Lower Upper

168 100

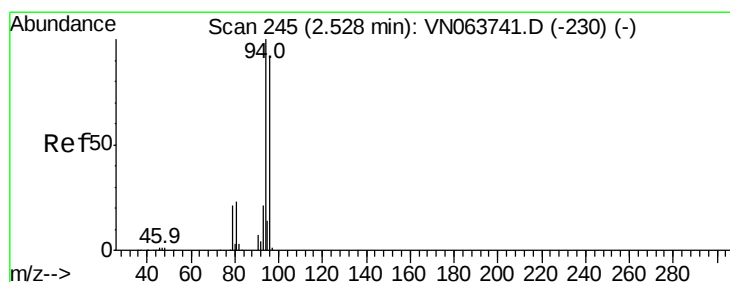
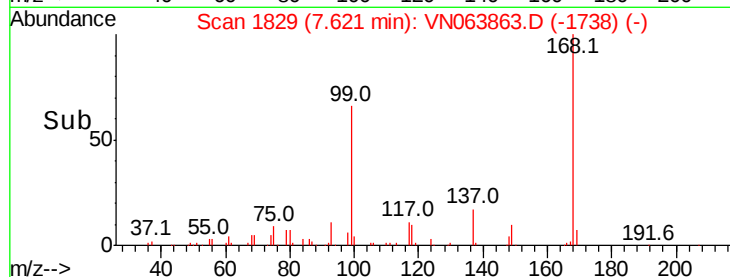
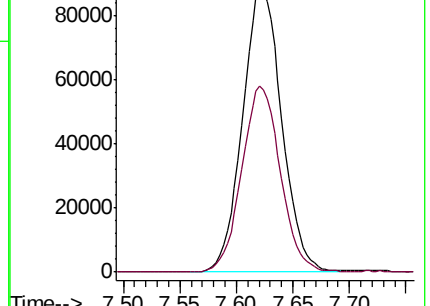
99 65.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62



#5

Bromomethane

Concen: 0.217 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063863.D

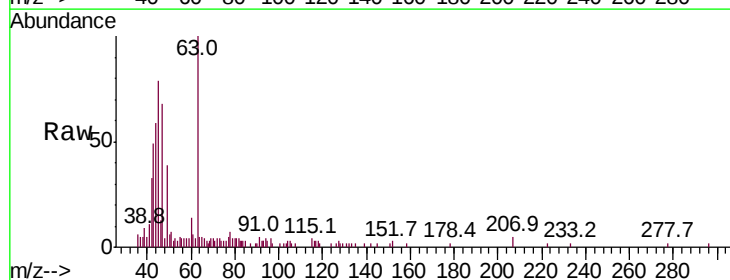
Acq: 5 Oct 2020 12:06

Tgt Ion: 94 Resp: 362

Ion Ratio Lower Upper

94 100

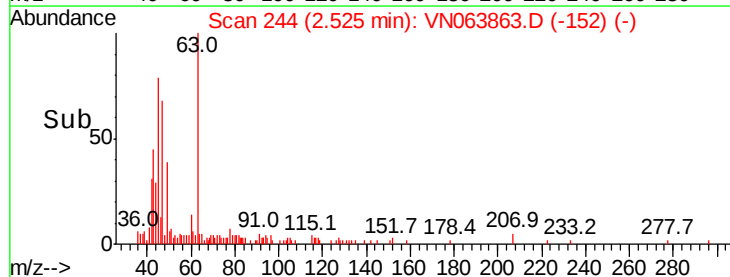
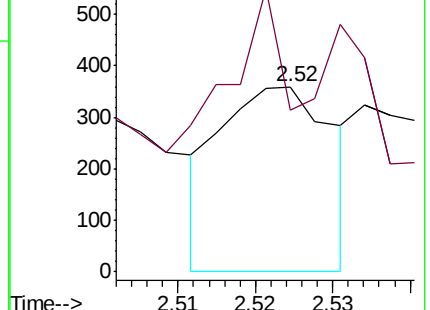
96 22.0 73.3 109.9#

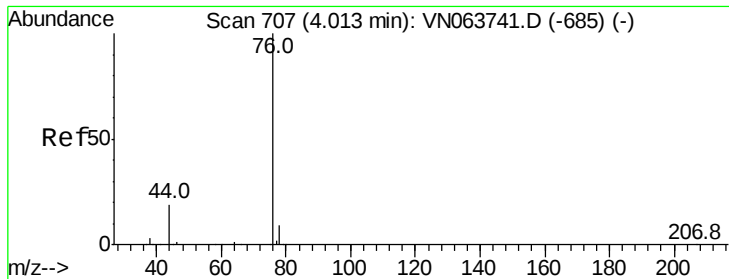


Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.52





#17

Carbon Disulfide

Concen: 0.767 ug/l

RT: 4.00 min Scan# 703

Delta R.T. -0.01 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

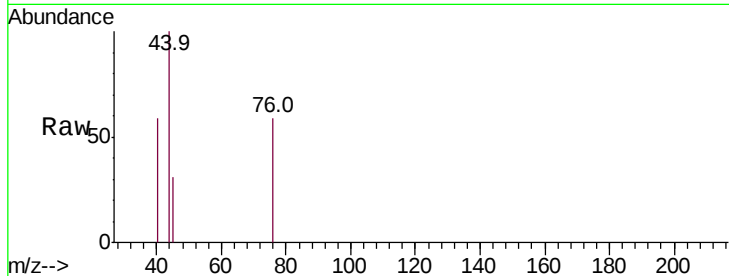
27080

Tot Ion: 76 Resp: 389

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.00

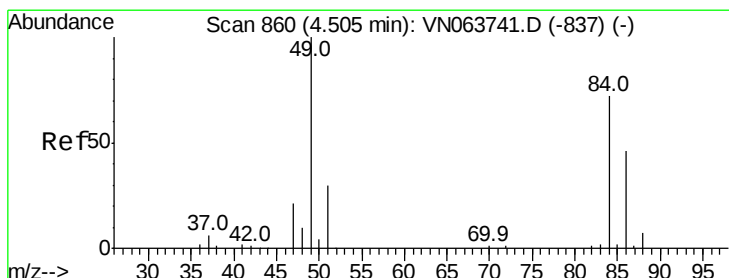
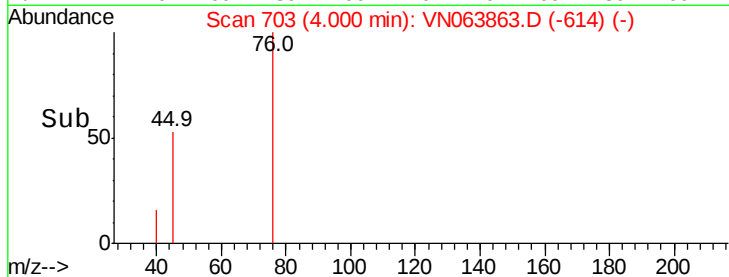
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.323 ug/l

RT: 4.50 min Scan# 859

Delta R.T. -0.00 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Tgt Ion: 84 Resp: 559

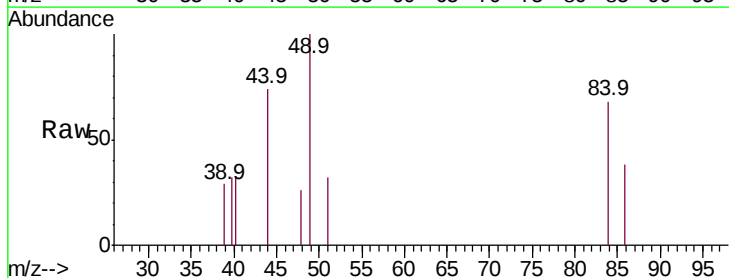
Ion Ratio Lower Upper

84 100

49 96.0 110.4 165.6#

51 47.3 33.3 49.9

86 1.2 50.7 76.1#



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

800

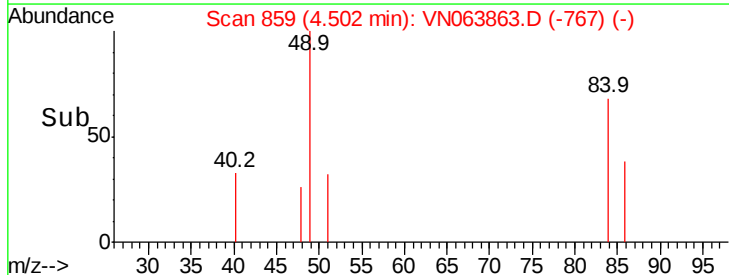
600

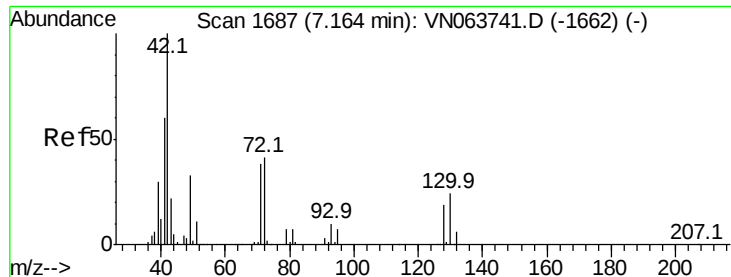
400

200

0

Time-->





#29

Tetrahydrofuran

Concen: 1.058 ug/l

RT: 7.17 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampled :

27080

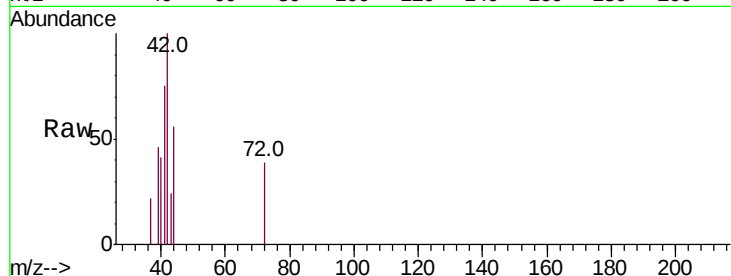
Tot Ion: 42 Resp: 1091

Ion Ratio Lower Upper

42 100

72 35.5 32.8 49.2

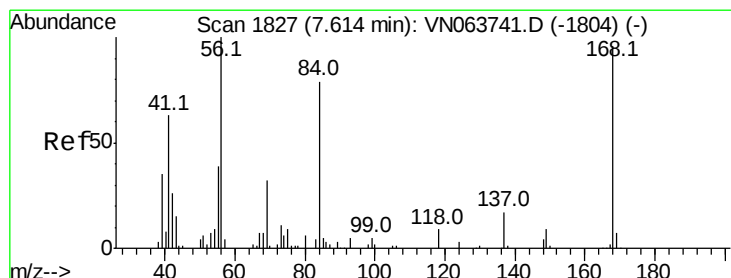
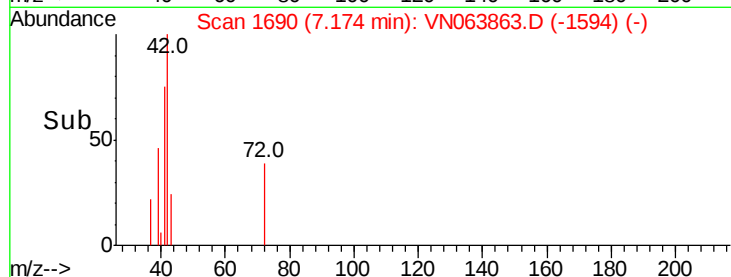
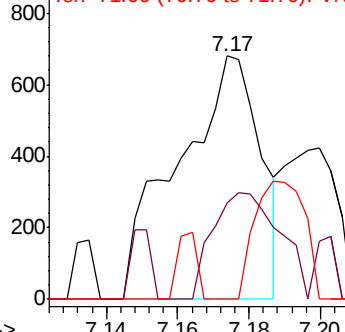
71 6.4 30.6 45.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.435 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

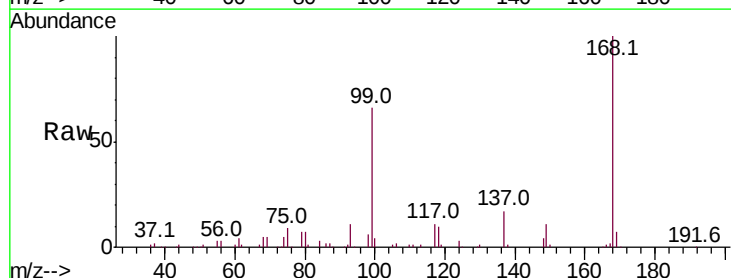
Tgt Ion: 56 Resp: 5869

Ion Ratio Lower Upper

56 100

69 162.9 25.4 38.2#

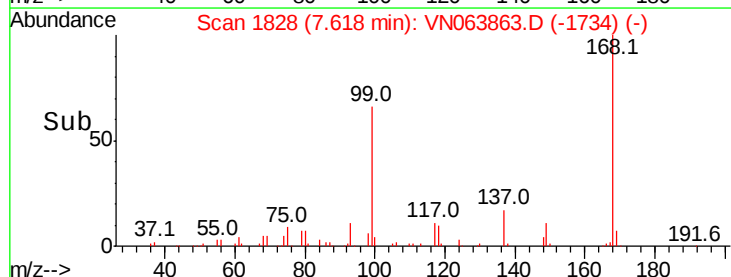
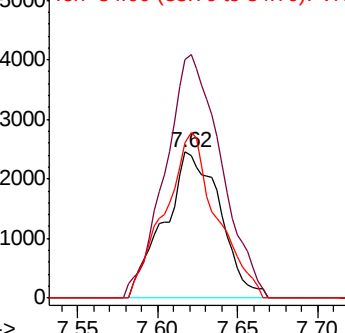
84 106.3 63.3 94.9#

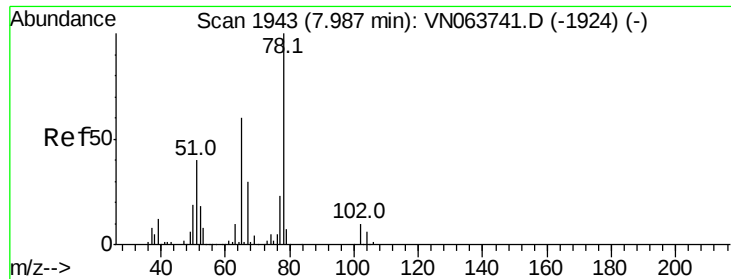


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.479 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampled :

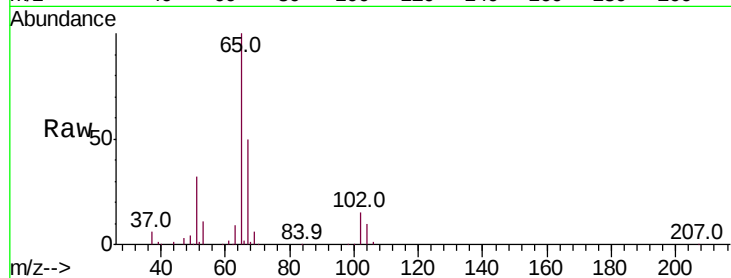
27080

Tot Ion: 65 Resp: 184904

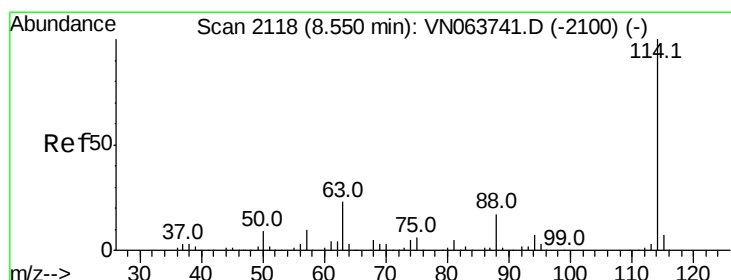
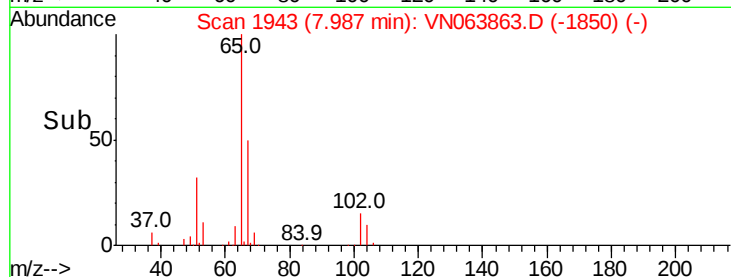
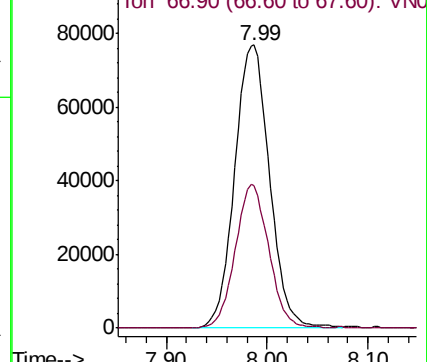
Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN063863.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

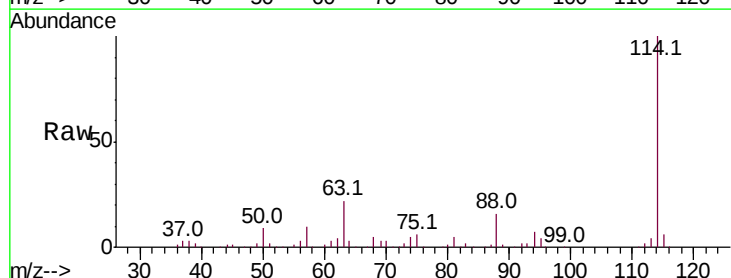
Tgt Ion: 114 Resp: 388828

Ion Ratio Lower Upper

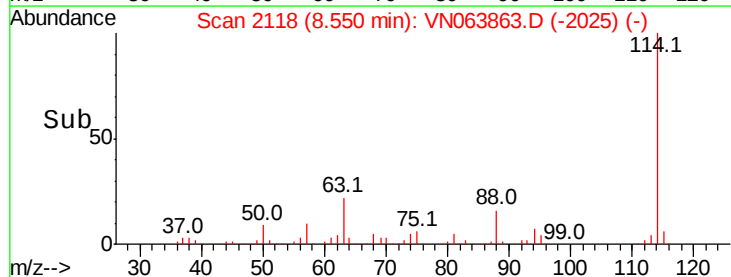
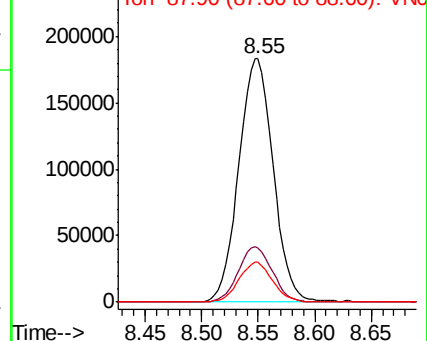
114 100

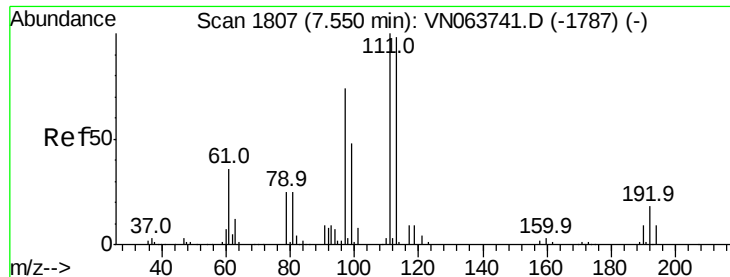
63 22.3 0.0 45.0

88 16.4 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN063863.D (-2025) (-)





#35

Dibromofluoromethane

Concen: 47.430 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :
MSVOA_N
ClientSampleId :
27080

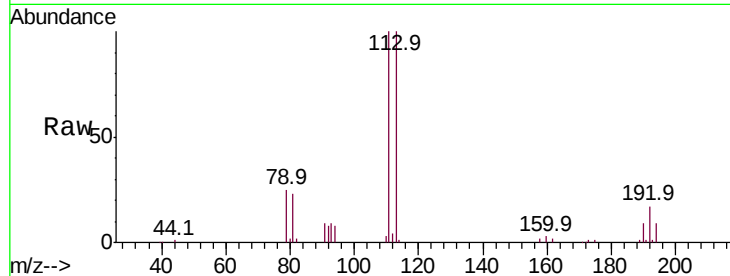
Tot Ion:113 Resp: 127966

Ion Ratio Lower Upper

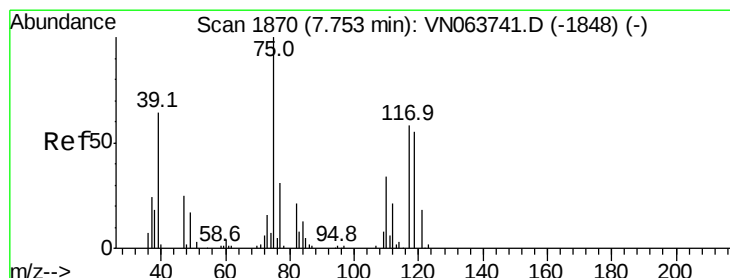
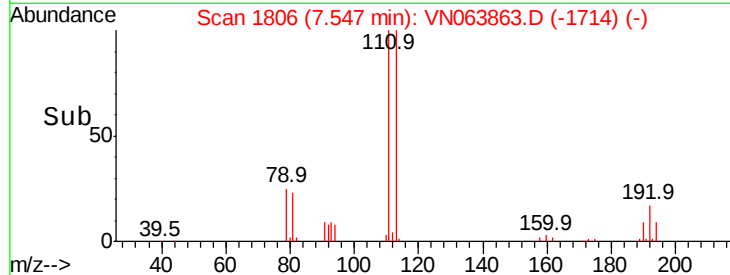
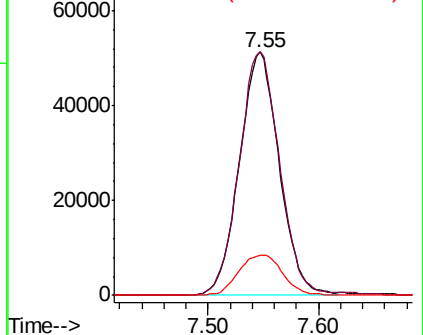
113 100

111 101.6 81.8 122.8

192 18.3 14.2 21.2



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: 5.103 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

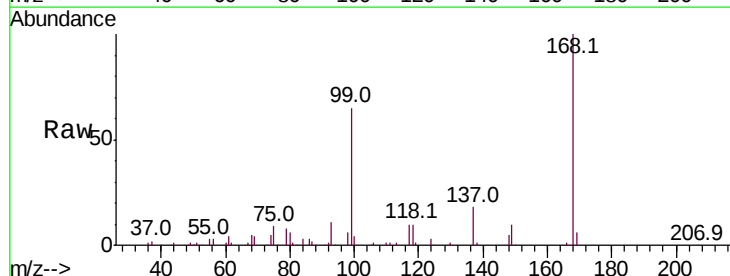
Tgt Ion: 75 Resp: 20102

Ion Ratio Lower Upper

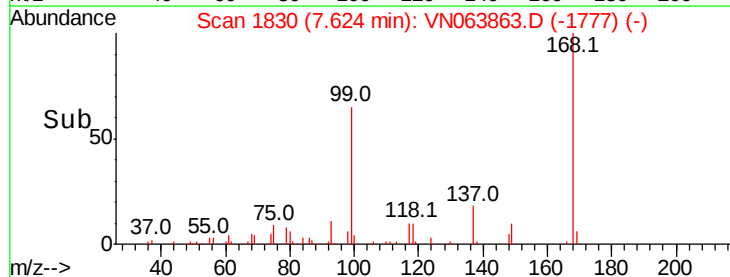
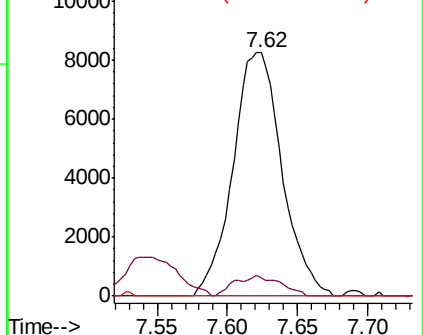
75 100

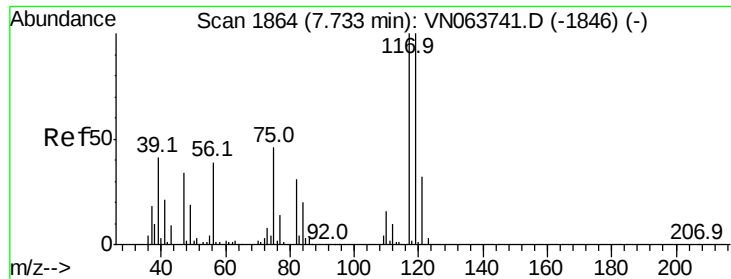
110 7.8 16.9 50.6#

77 0.0 24.5 36.7#



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: 5.295 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. -0.12 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampled :

27080

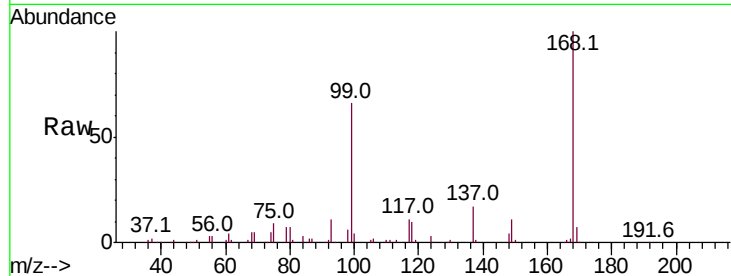
Tot Ion:117 Resp: 23387

Ion Ratio Lower Upper

117 100

119 5.8 80.1 120.1#

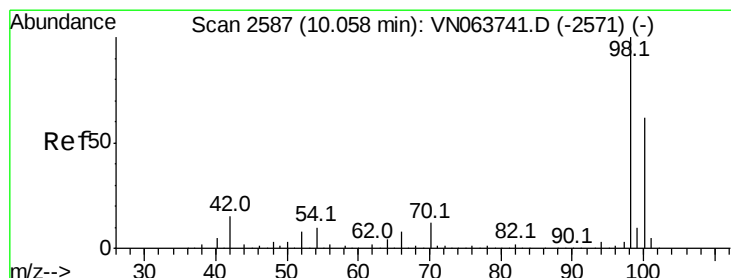
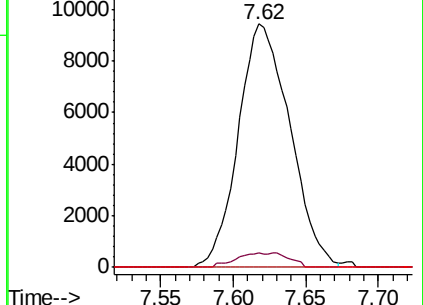
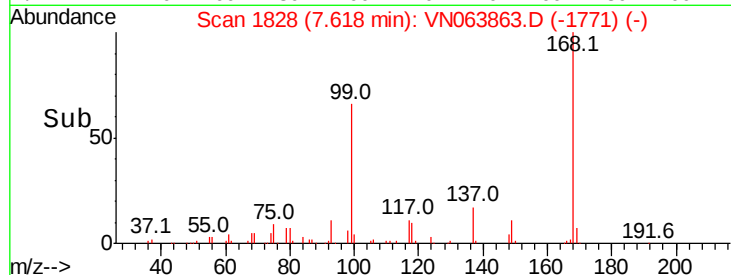
121 0.0 25.7 38.5#



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: 47.528 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063863.D

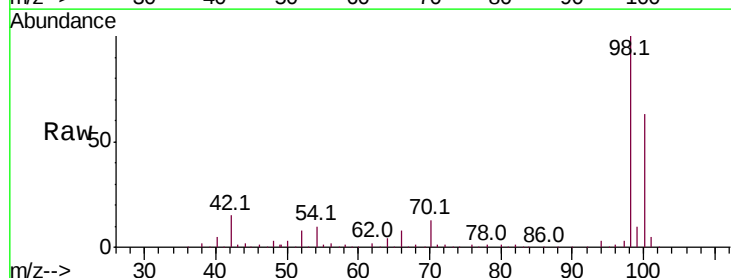
Acq: 5 Oct 2020 12:06

Tgt Ion: 98 Resp: 486102

Ion Ratio Lower Upper

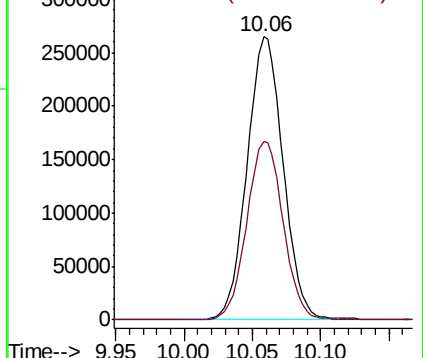
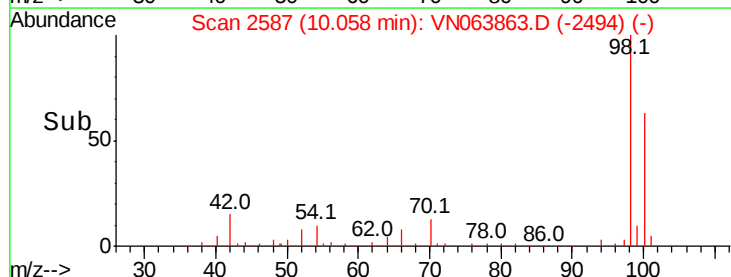
98 100

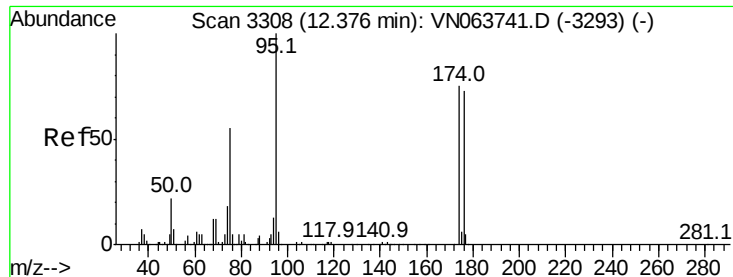
100 63.8 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

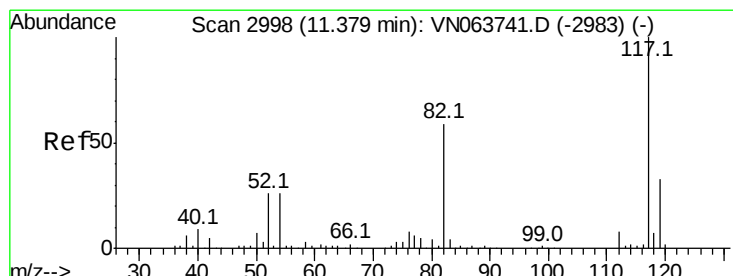
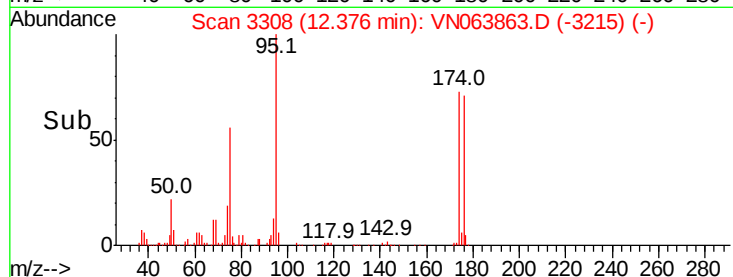
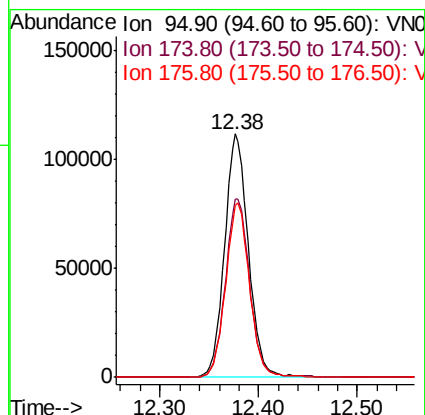
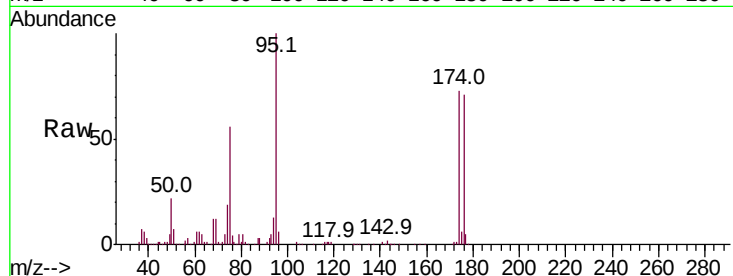




#62
4-Bromofluorobenzene
Concen: 49.432 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063863.D
Acq: 5 Oct 2020 12:06

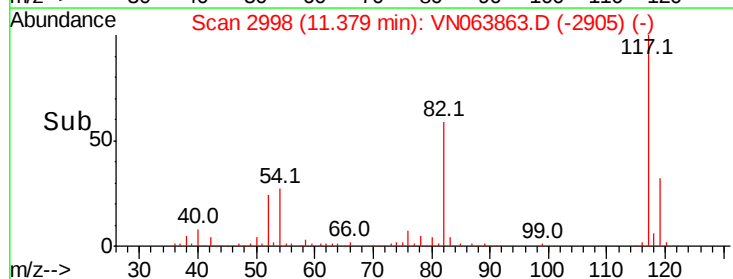
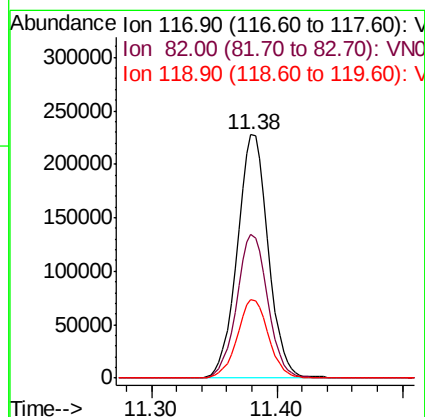
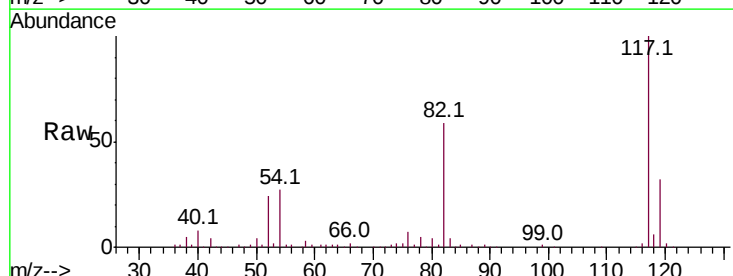
Instrument :
MSVOA_N
ClientSampled :
27080

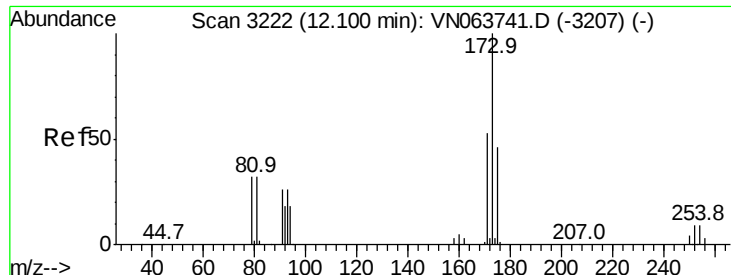
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.6
176	71.7	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063863.D
Acq: 5 Oct 2020 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.4	71.2
119	32.2	26.4	39.6





#71

Bromoform

Concen: 0.515 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampled :

27080

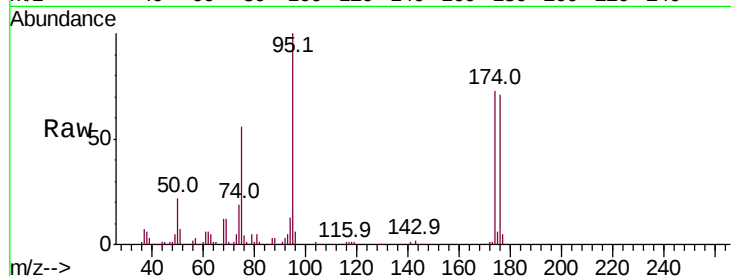
Tot Ion:173 Resp: 1207

Ion Ratio Lower Upper

173 100

175 747.7 23.5 70.5#

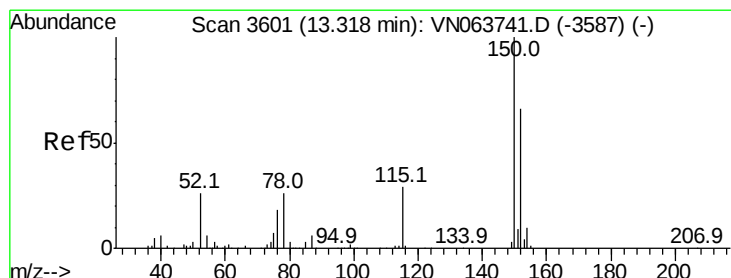
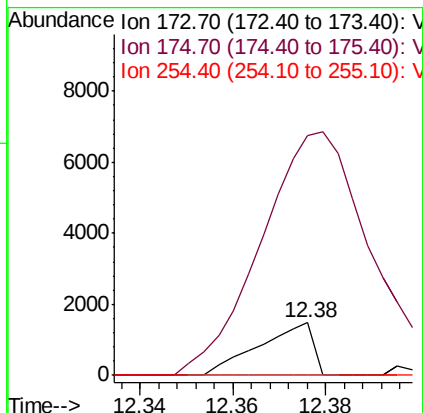
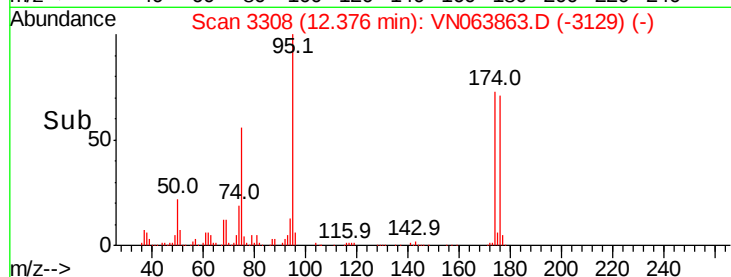
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

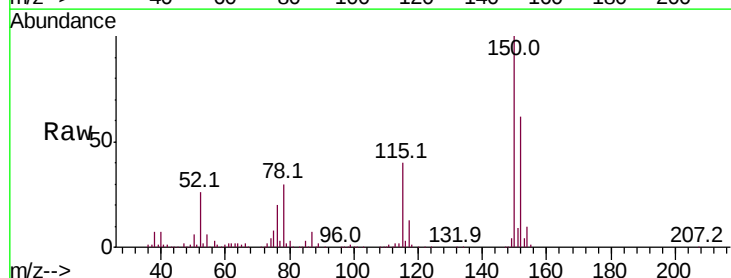
Tgt Ion:152 Resp: 159839

Ion Ratio Lower Upper

152 100

115 62.5 31.3 93.8

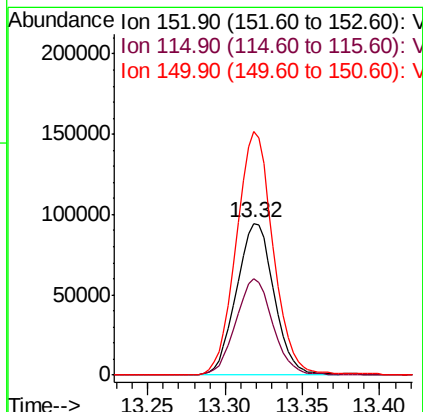
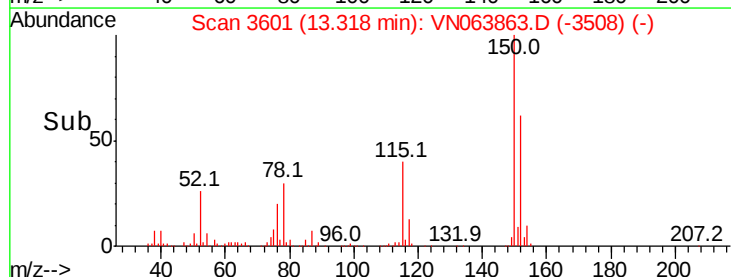
150 158.3 0.0 341.8

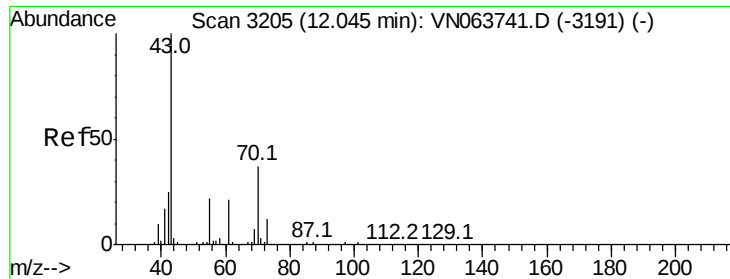


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amyl acetate

Concen: 2.240 ug/l

RT: 12.02 min Scan# 3196

Delta R.T. -0.03 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampleId :

27080

Tot Ion: 43 Resp: 137

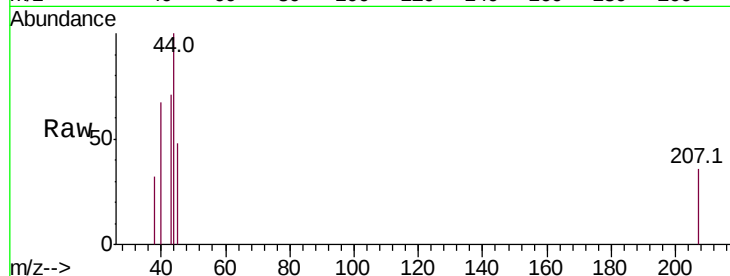
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

600

500

400

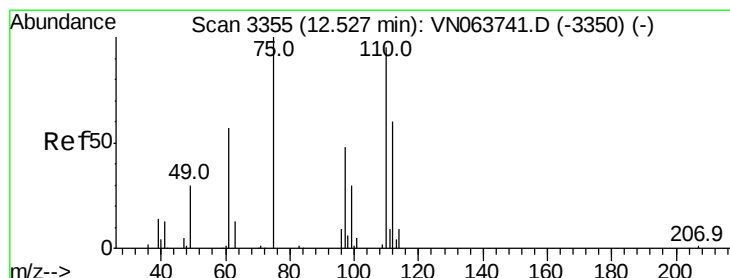
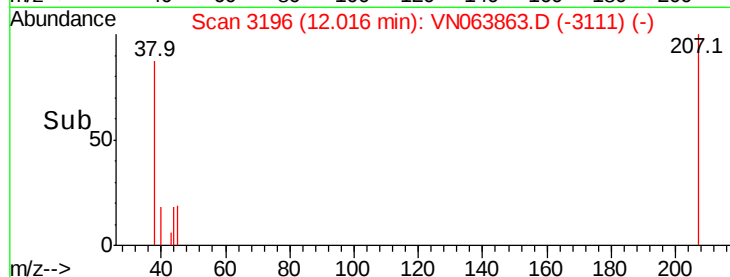
300

200

100

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.182 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063863.D

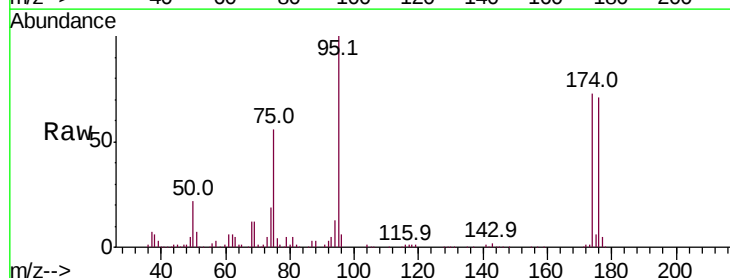
Acq: 5 Oct 2020 12:06

Tgt Ion: 75 Resp: 106344

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

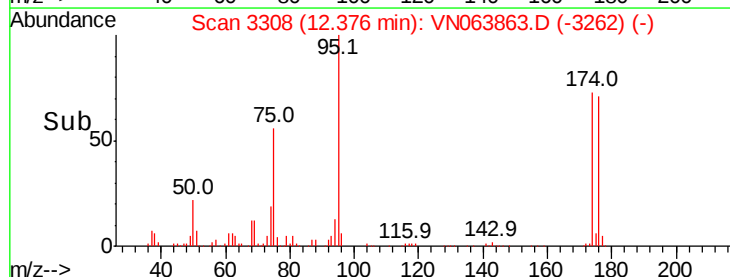
60000

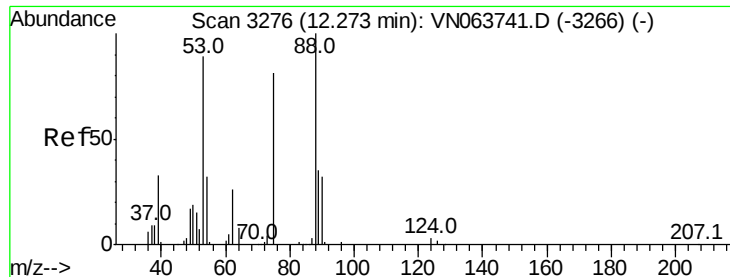
40000

20000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 86.927 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

Instrument :

MSVOA_N

ClientSampled :

27080

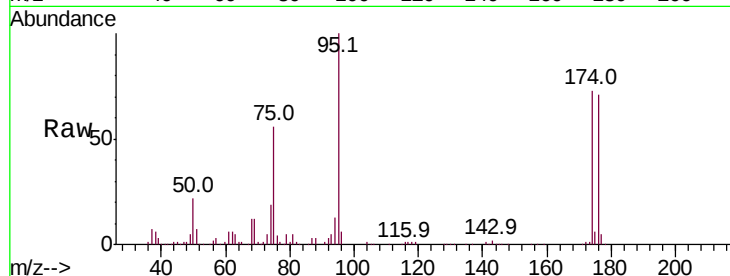
Tot Ion: 75 Resp: 106344

Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

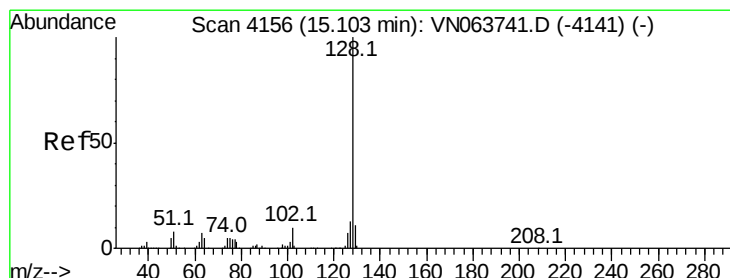
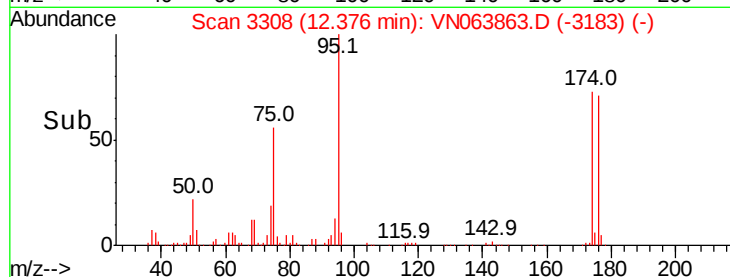
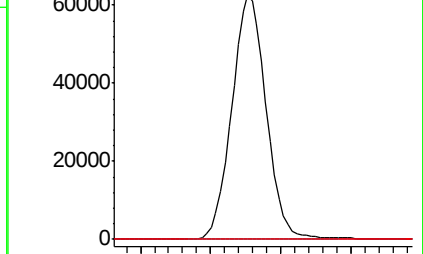
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN063863.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN063863.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN063863.D (-3183) (-)



#95

Naphthalene

Concen: 2.028 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063863.D

Acq: 5 Oct 2020 12:06

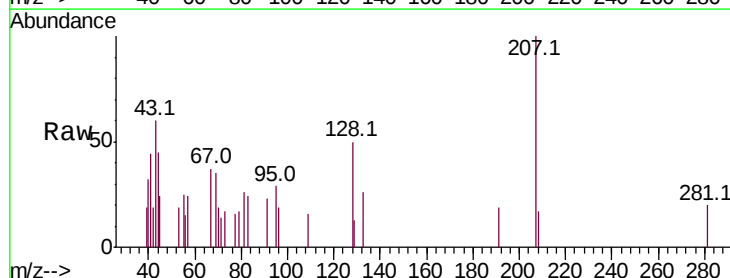
Tgt Ion: 128 Resp: 929

Ion Ratio Lower Upper

128 100

127 8.8 10.5 15.7#

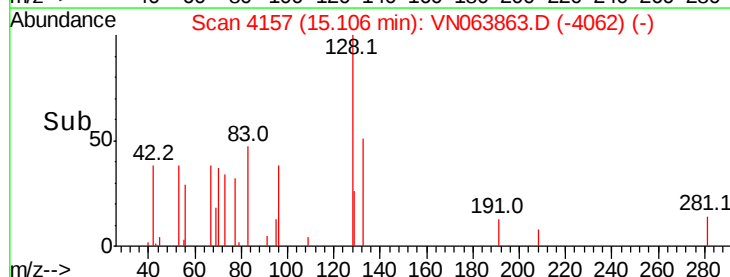
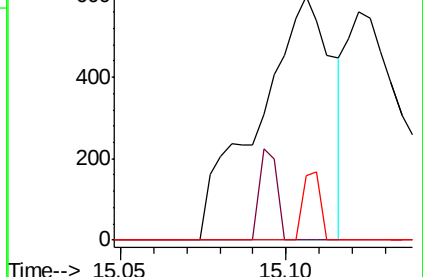
129 6.8 8.7 13.1#

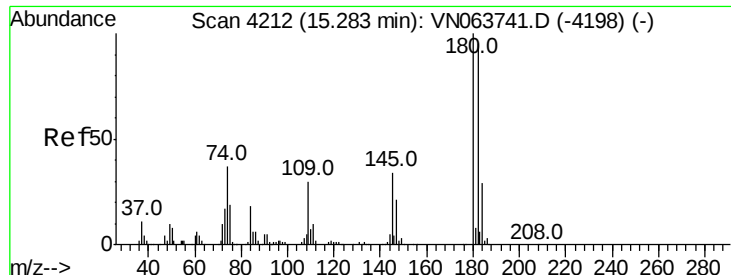


Abundance Ion 128.00 (127.70 to 128.70): VN063863.D (-4062) (-)

Ion 127.00 (126.70 to 127.70): VN063863.D (-4062) (-)

Ion 129.00 (128.70 to 129.70): VN063863.D (-4062) (-)

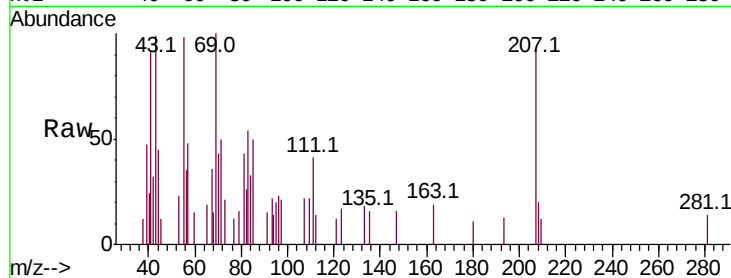




#96
 1,2,3-Trichlorobenzene
 Concen: 1.580 ug/l
 RT: 15.43 min Scan# 4258
 Delta R.T. 0.15 min
 Lab File: VN063863.D
 Acq: 5 Oct 2020 12:06

Instrument :
 MSVOA_N
 ClientSampleId :
 27080

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	0.0	17.2	51.5#



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

