

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071520\
 Data File : VN062536.D
 Acq On : 15 Jul 2020 15:20
 Operator : JC/MD
 Sample : L3188-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 16 01:06:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	187536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	336690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120159	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	144662	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	7.55	113	106351	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
50) Toluene-d8	10.06	98	429672	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.38	95	151672	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

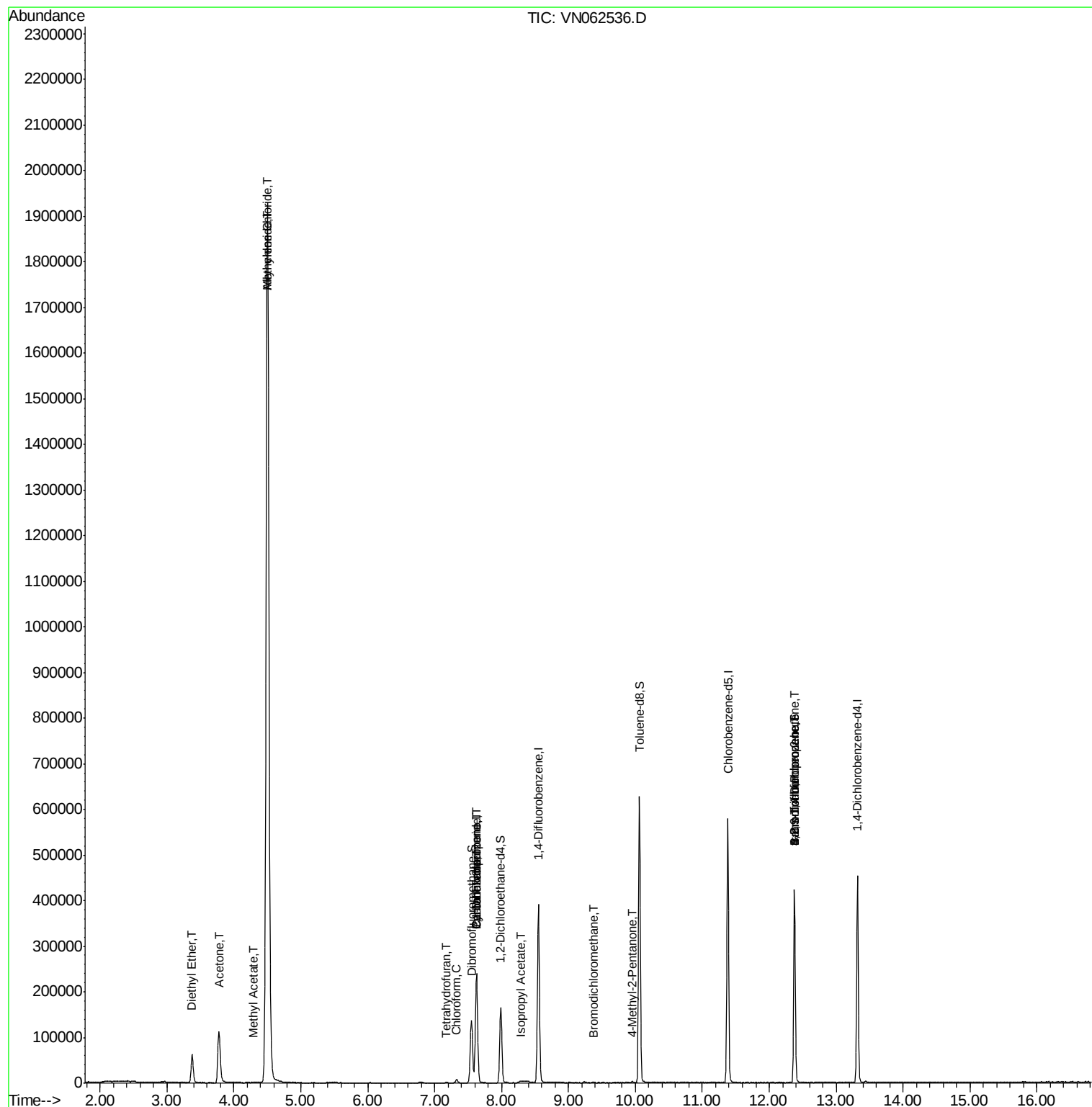
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.38	74	29635	20.780	ug/l	92
14) Allyl chloride	4.50	41	62368	13.777	ug/l #	28
16) Acetone	3.78	43	190279	155.374	ug/l	96
18) Methyl Acetate	4.28	43	1546	0.506	ug/l #	56
20) Methylene Chloride	4.50	84	1382447	527.971	ug/l	95
29) Tetrahydrofuran	7.18	42	836	0.694	ug/l #	39
30) Chloroform	7.33	83	7710	1.848	ug/l	92
31) Cyclohexane	7.63	56	4335	0.989	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16405	4.836	ug/l #	51
38) Carbon Tetrachloride	7.63	117	18872	6.188	ug/l #	17
43) Isopropyl Acetate	8.27	43	2160	0.345	ug/l #	57
47) Bromodichloromethane	9.37	83	1143	0.326	ug/l #	83
51) 4-Methyl-2-Pentanone	9.95	43	2643	0.706	ug/l	90
71) Bromoform	12.37	173	918	0.550	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	79921	27.108	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79921	72.556	ug/l #	10
95) Naphthalene	15.11	128	478	Below Cal	#	70

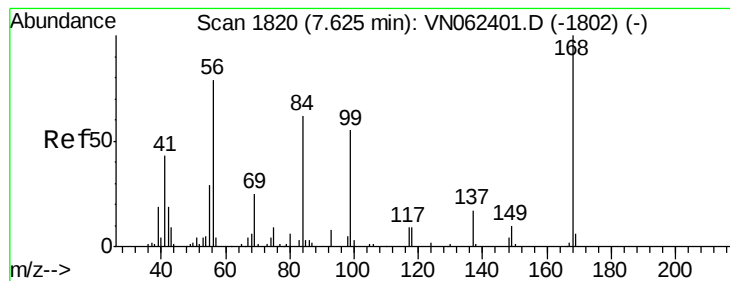
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 00:55:52 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

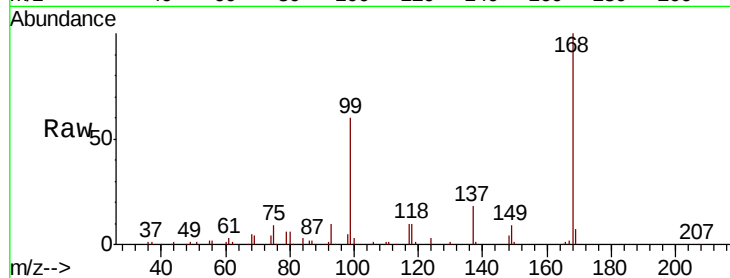
ClientSampleId :

Tot Ion:168 Resp: 187536

Ion Ratio Lower Upper

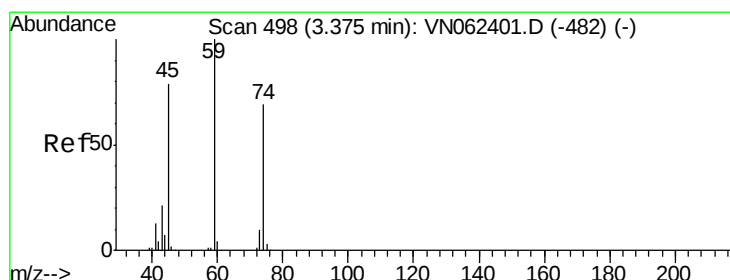
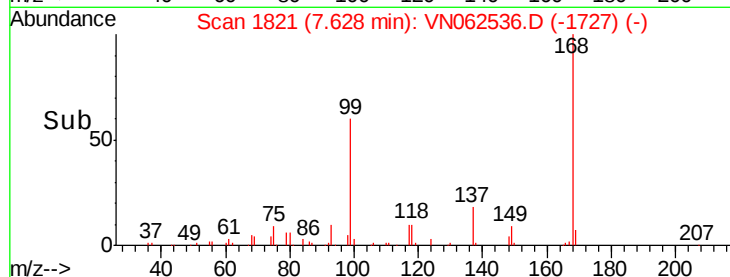
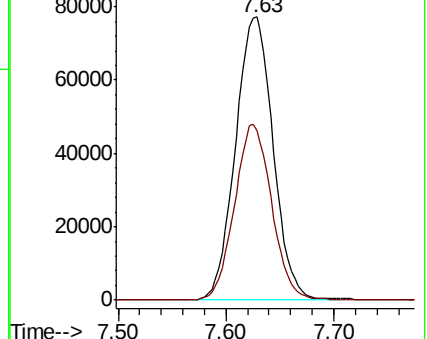
168 100

99 60.0 48.8 73.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 20.780 ug/l

RT: 3.38 min Scan# 499

Delta R.T. 0.00 min

Lab File: VN062536.D

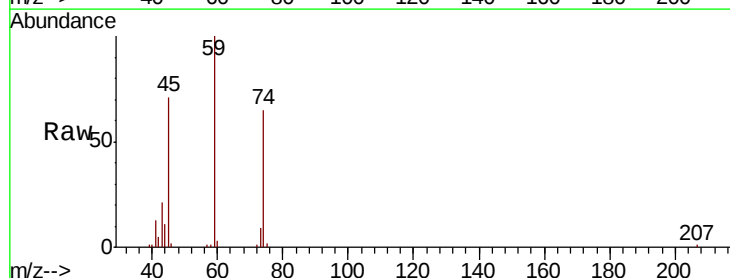
Acq: 15 Jul 2020 15:20

Tgt Ion: 74 Resp: 29635

Ion Ratio Lower Upper

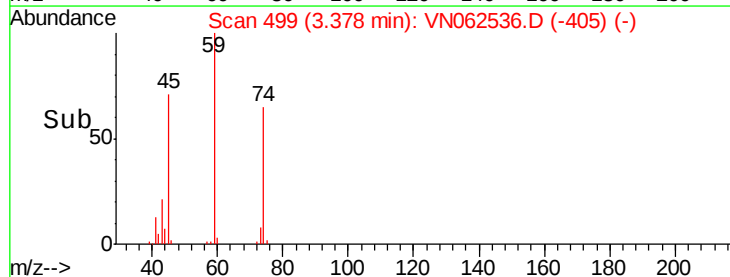
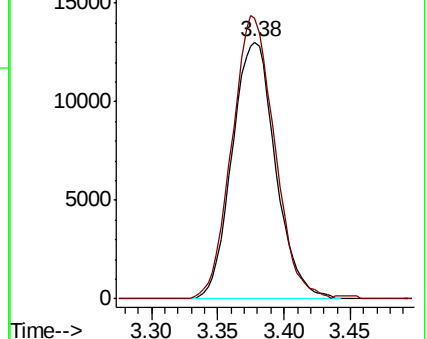
74 100

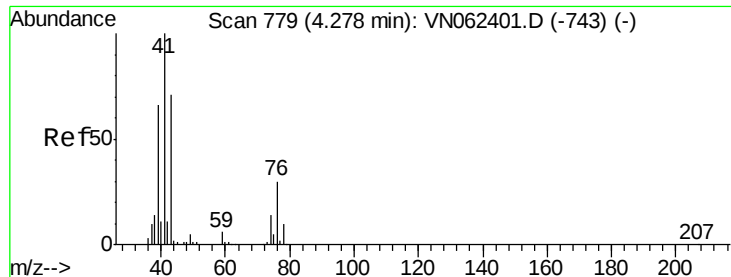
45 108.5 58.5 175.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#14

Allvl chloride

Concen: 13.777 ug/l

RT: 4.50 min Scan# 848

Delta R.T. 0.22 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

ClientSampled :

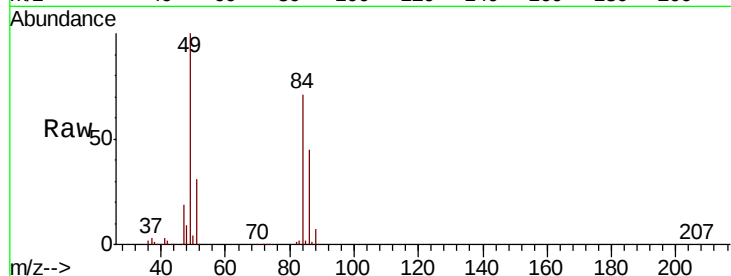
Tot Ion: 41 Resp: 62368

Ion Ratio Lower Upper

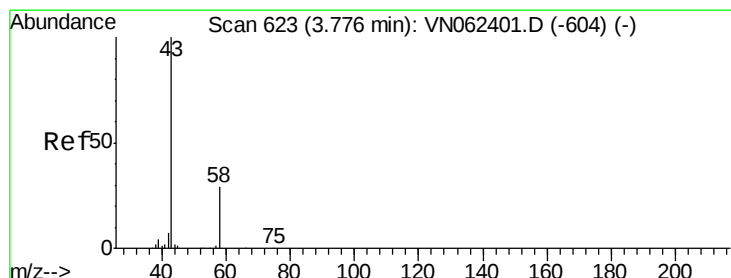
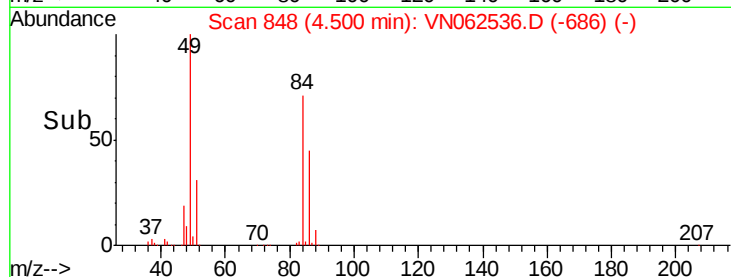
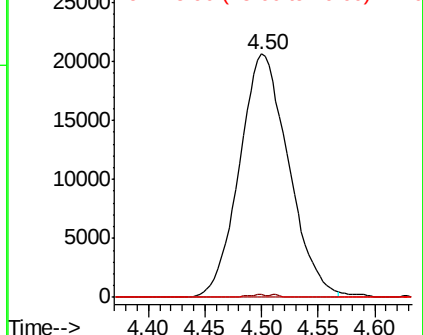
41 100

39 0.4 49.6 74.4#

76 0.0 22.2 33.4#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: 155.374 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062536.D

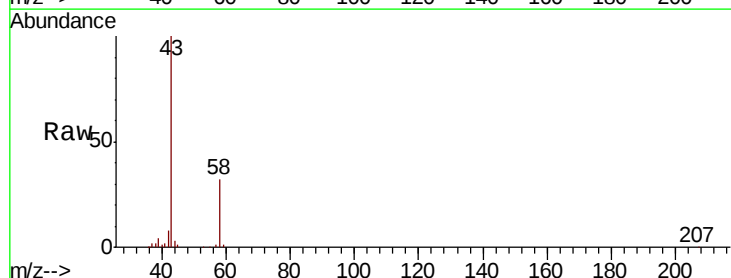
Acq: 15 Jul 2020 15:20

Tgt Ion: 43 Resp: 190279

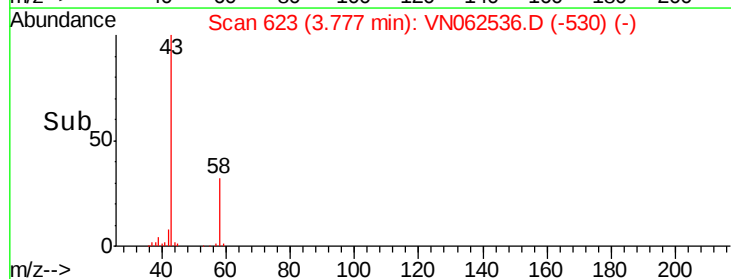
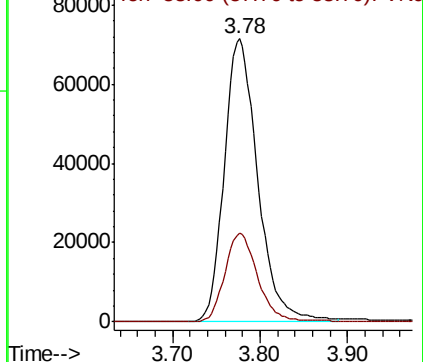
Ion Ratio Lower Upper

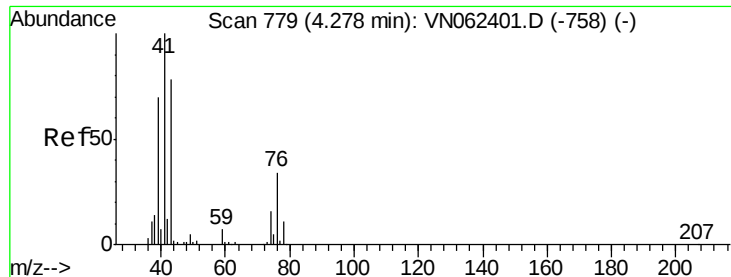
43 100

58 31.5 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

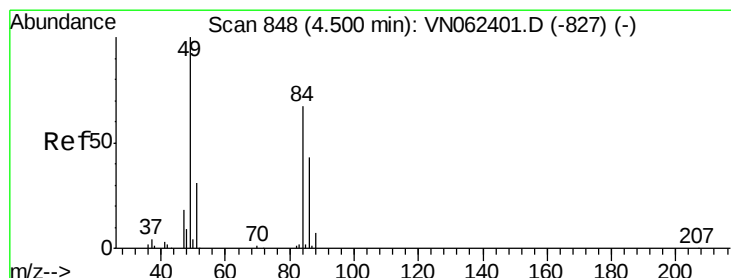
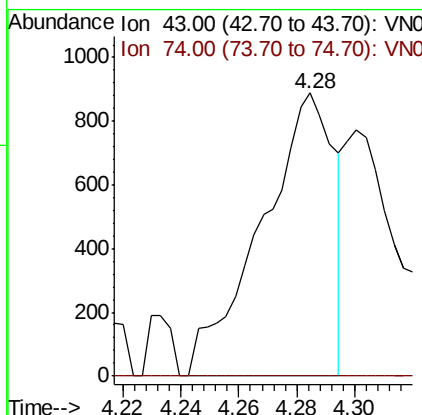
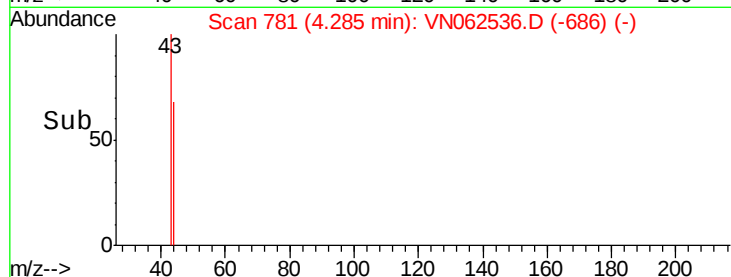
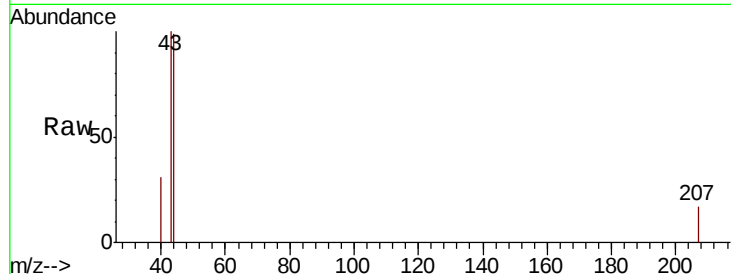




#18
Methyl Acetate
Concen: 0.506 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062536.D
Acq: 15 Jul 2020 15:20

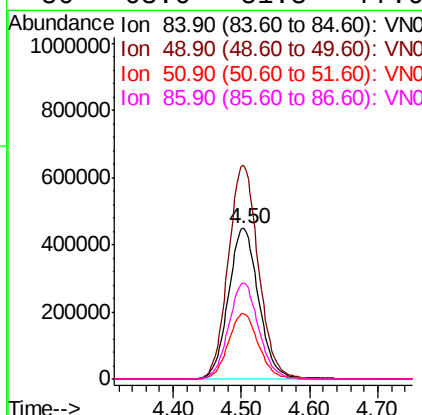
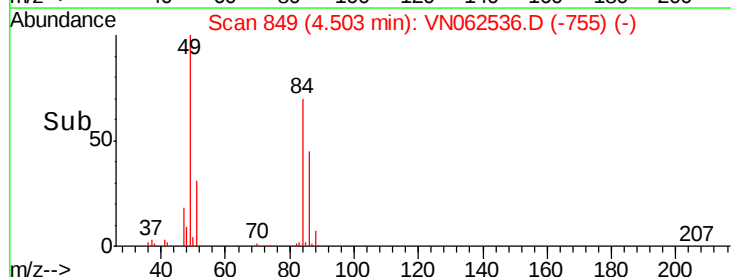
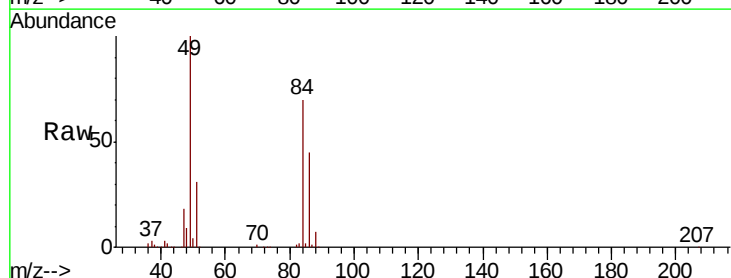
Instrument :
MSVOA_N
ClientSampleId :

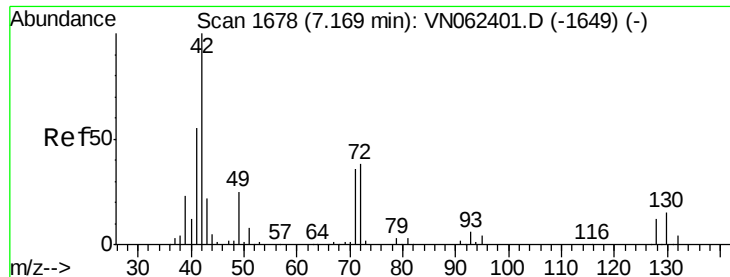
Tot Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
74 0.0 16.0 24.0#



#20
Methylene Chloride
Concen: 527.971 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062536.D
Acq: 15 Jul 2020 15:20

Tgt Ion: 84 Resp: 1382447
Ion Ratio Lower Upper
84 100
49 141.9 120.0 180.0
51 43.6 37.0 55.6
86 63.6 51.8 77.6

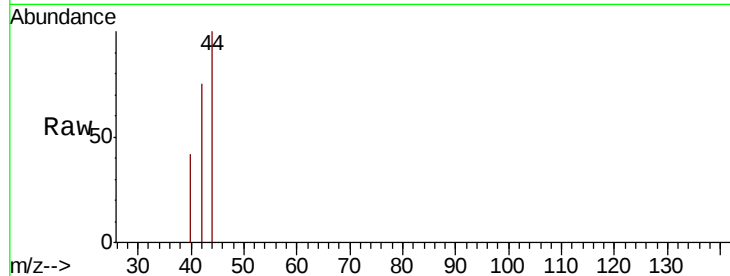




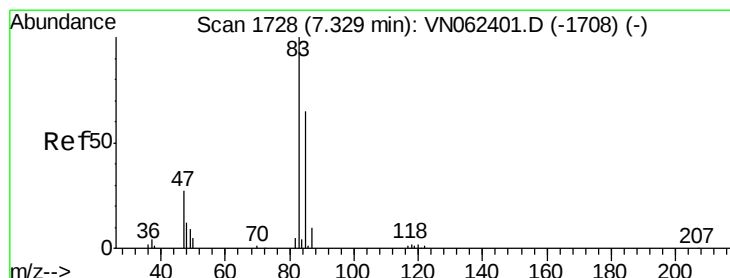
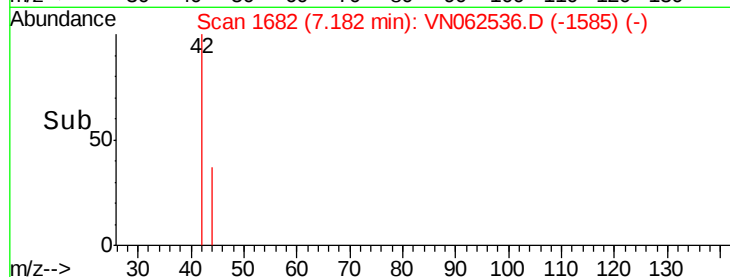
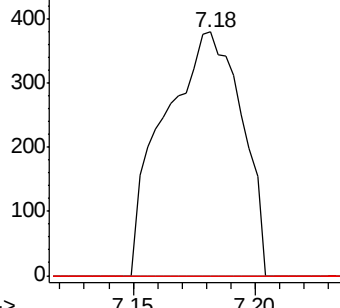
#29
Tetrahydrofuran
Concen: 0.694 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN062536.D
Acq: 15 Jul 2020 15:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 836
Ion Ratio Lower Upper
42 100
72 0.0 29.1 43.7#
71 0.0 28.1 42.1#

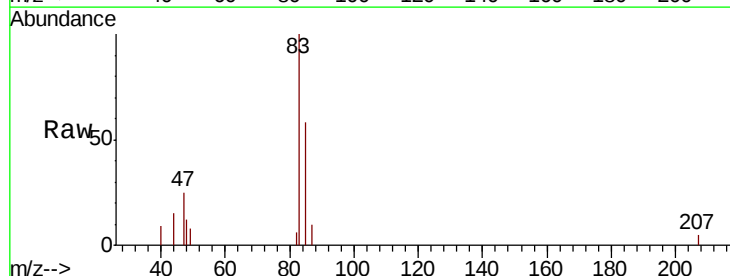


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

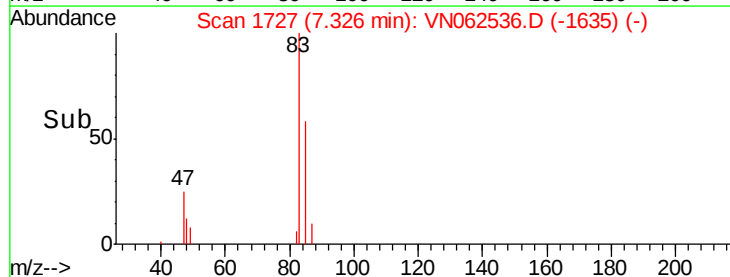
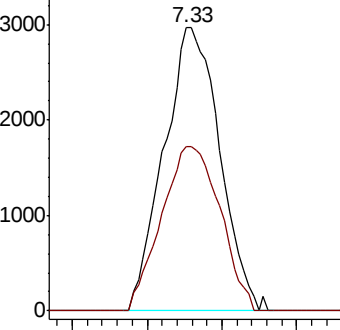


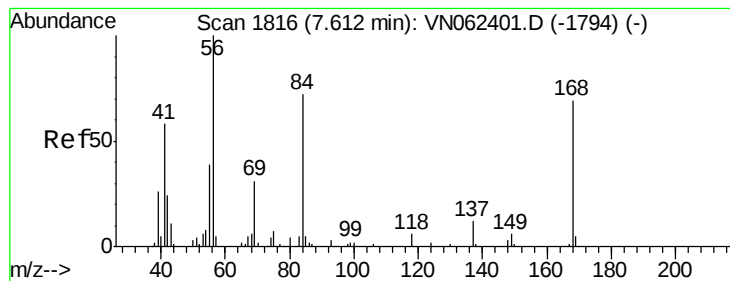
#30
Chloroform
Concen: 1.848 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062536.D
Acq: 15 Jul 2020 15:20

Tgt Ion: 83 Resp: 7710
Ion Ratio Lower Upper
83 100
85 58.2 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.989 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

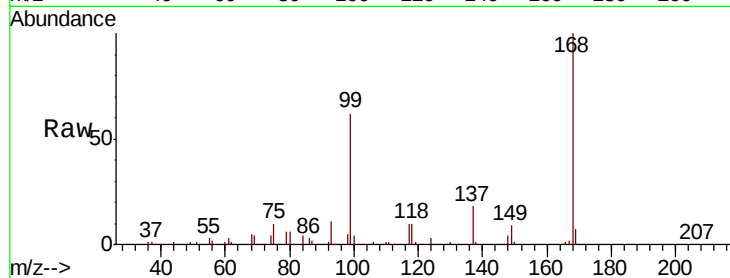
Tot Ion: 56 Resp: 4335

Ion Ratio Lower Upper

56 100

69 180.6 24.5 36.7#

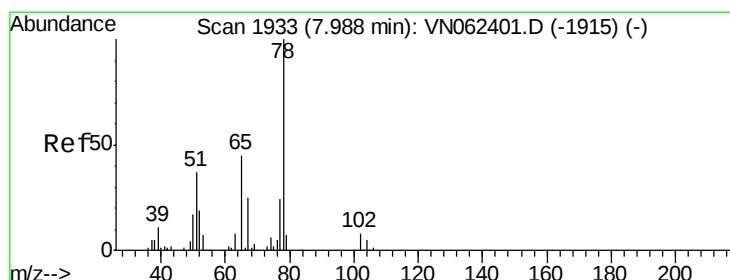
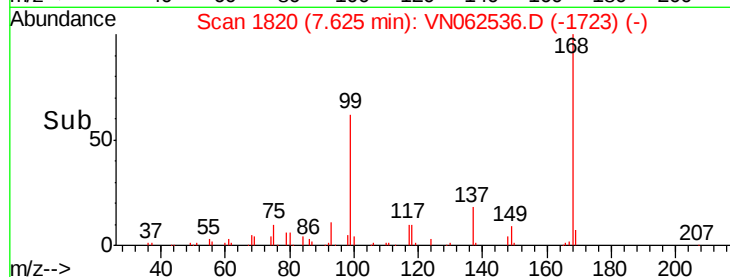
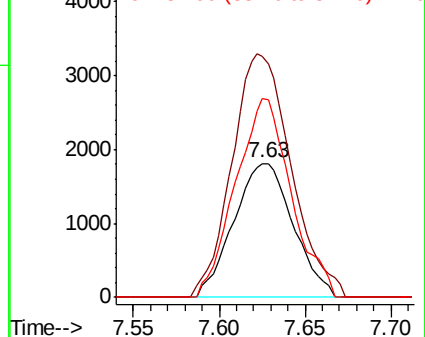
84 149.0 57.4 86.2#



Abundance Ion 56.00 (55.70 to 56.70): VN062536.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN062536.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN062536.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.151 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062536.D

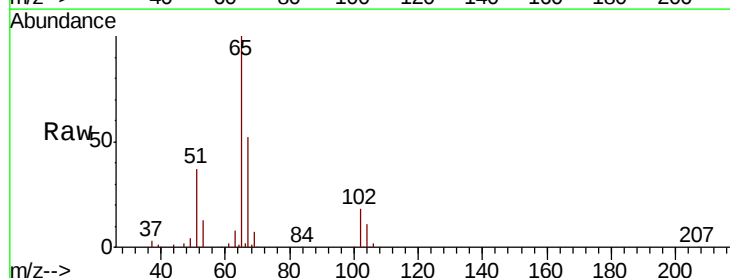
Acq: 15 Jul 2020 15:20

Tgt Ion: 65 Resp: 144662

Ion Ratio Lower Upper

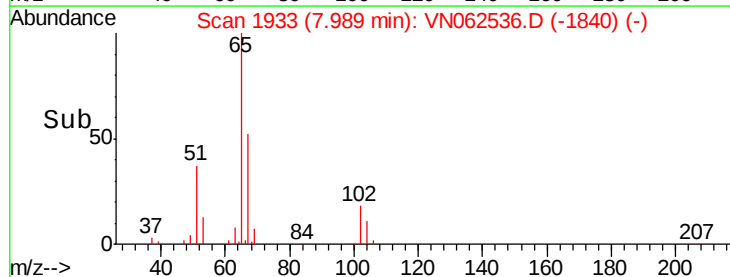
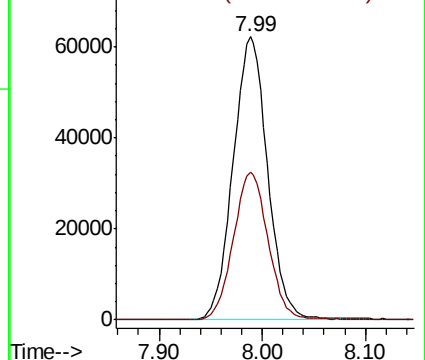
65 100

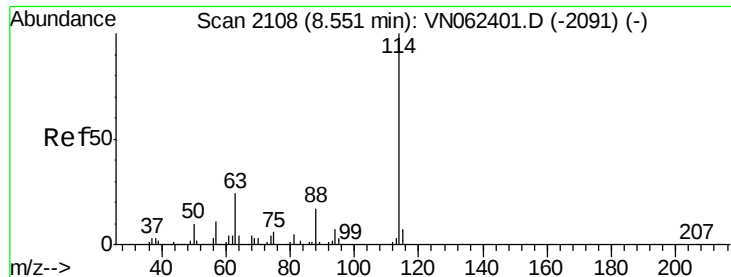
67 52.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062536.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062536.D (-1840) (-)

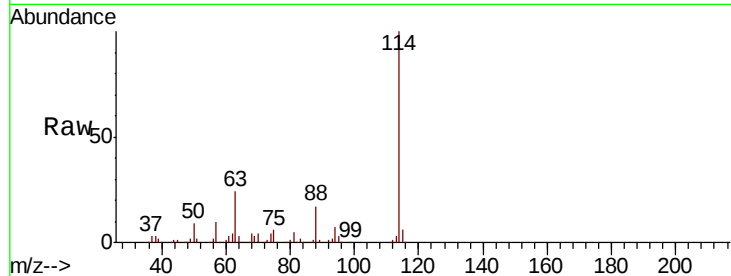




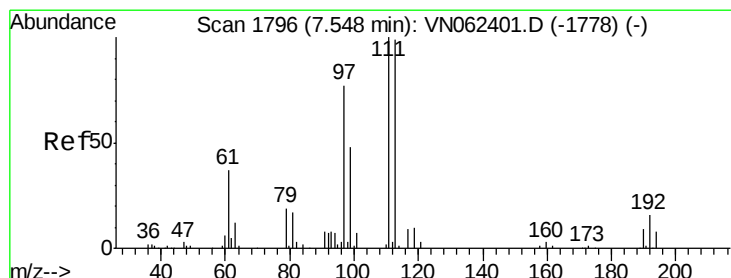
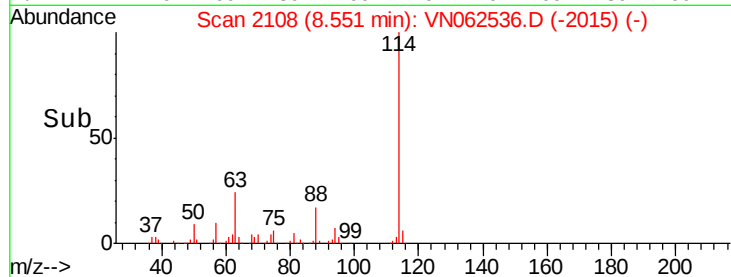
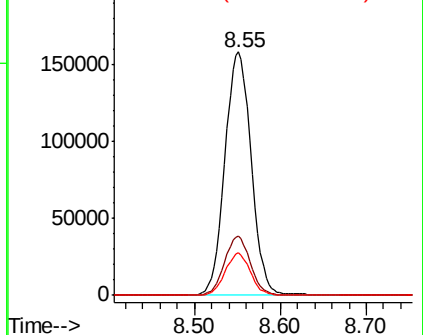
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062536.D
 Acq: 15 Jul 2020 15:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	48.4
88	17.3	0.0	33.8

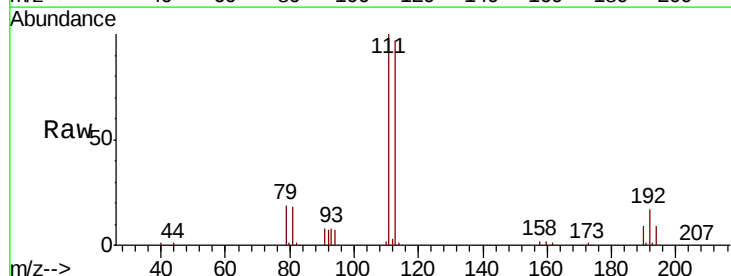


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

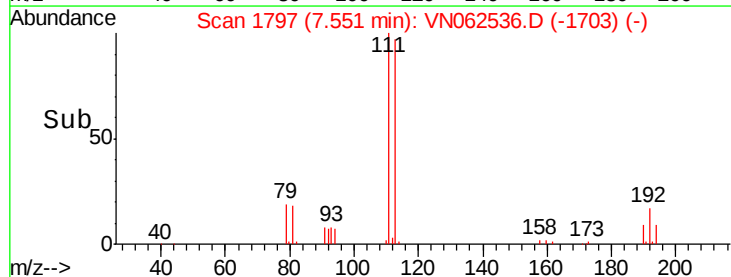
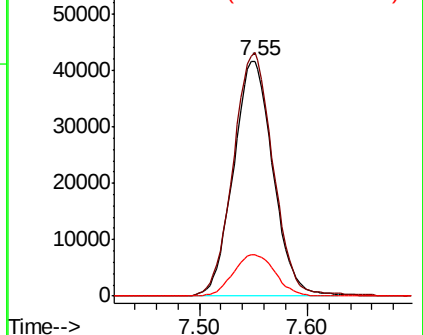


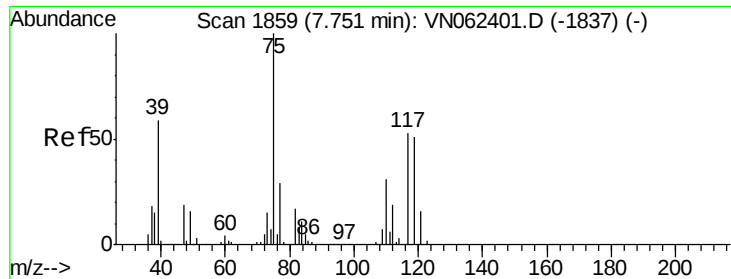
#35
 Dibromofluoromethane
 Concen: 51.101 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062536.D
 Acq: 15 Jul 2020 15:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	83.1	124.7
192	18.5	14.1	21.1



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

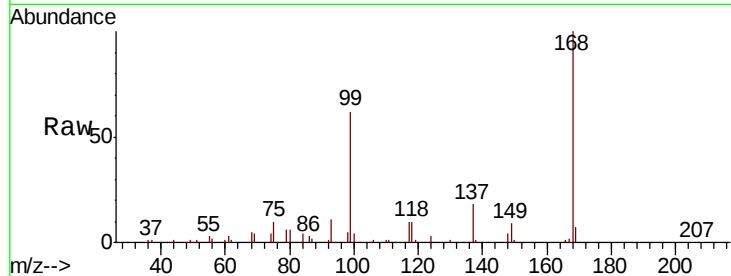




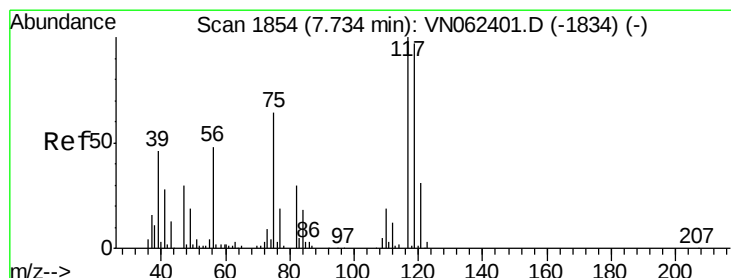
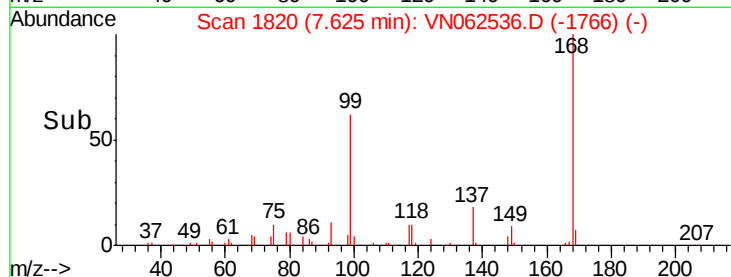
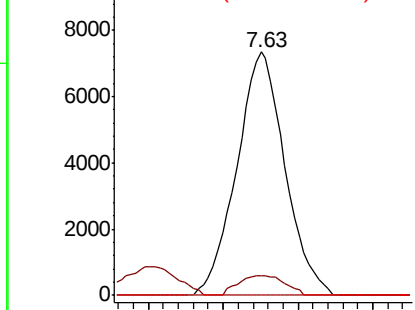
#36
 1,1-Dichloropropene
 Concen: 4.836 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062536.D
 Acq: 15 Jul 2020 15:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	15.4	46.2#
77	0.0	24.1	36.1#

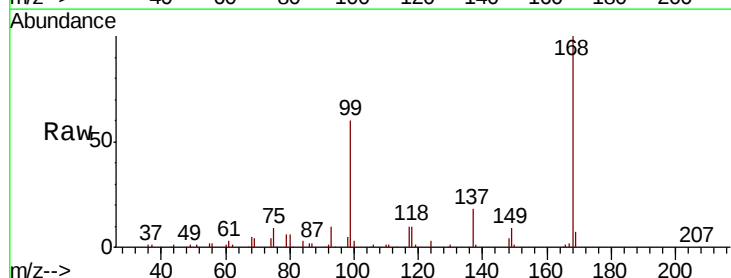


Abundance Ion 74.90 (74.60 to 75.60): VN062401.D (-1837) (-)
 Ion 109.90 (109.60 to 110.60): VN062401.D (-1837) (-)
 Ion 76.90 (76.60 to 77.60): VN062401.D (-1837) (-)

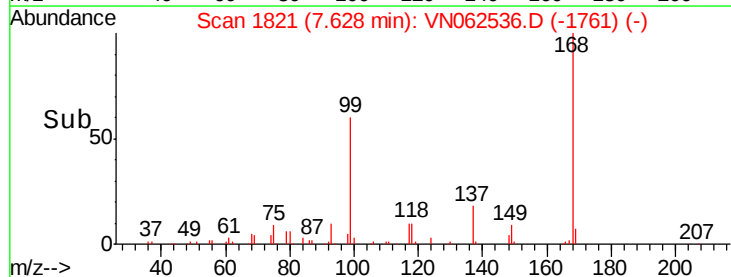
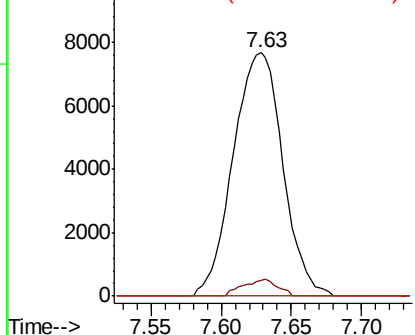


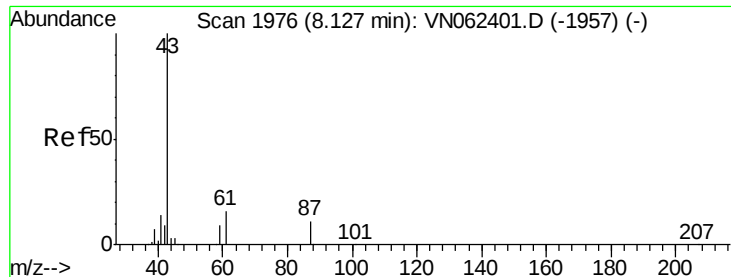
#38
 Carbon Tetrachloride
 Concen: 6.188 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062536.D
 Acq: 15 Jul 2020 15:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	77.2	115.8#
121	0.0	24.8	37.2#



Abundance Ion 116.80 (116.50 to 117.50): VN062401.D (-1834) (-)
 Ion 118.80 (118.50 to 119.50): VN062401.D (-1834) (-)
 Ion 120.80 (120.50 to 121.50): VN062401.D (-1834) (-)





#43

Isopropyl Acetate

Concen: 0.345 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.15 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

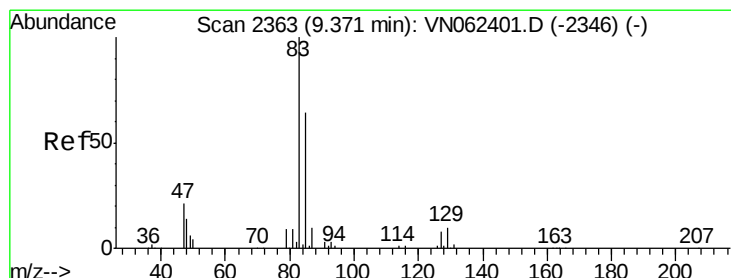
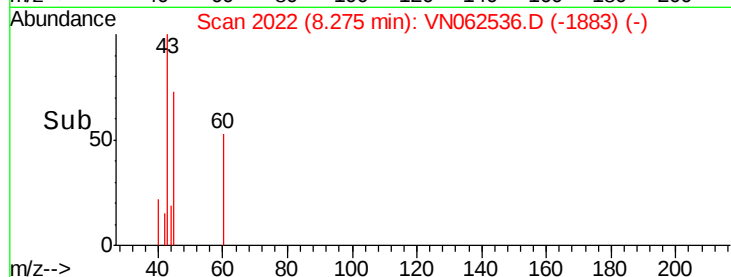
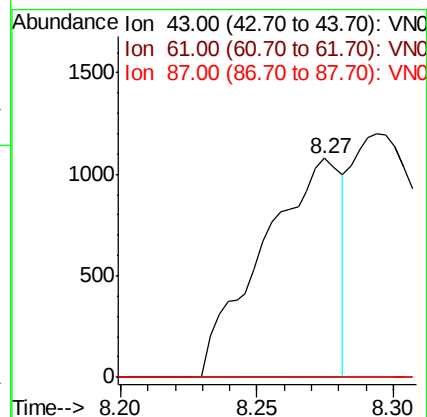
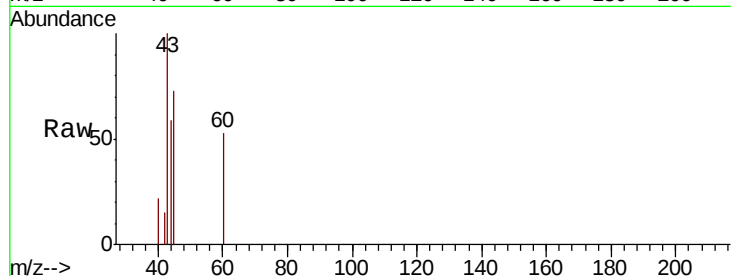
Tot Ion: 43 Resp: 2160

Ion Ratio Lower Upper

43 100

61 0.0 19.3 28.9#

87 0.0 8.6 13.0#



#47

Bromodichloromethane

Concen: 0.326 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

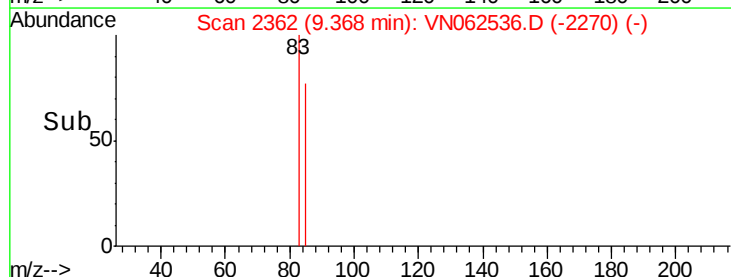
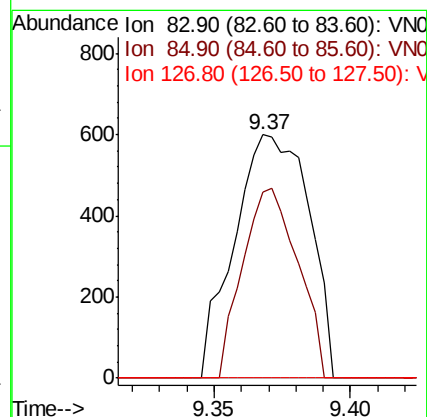
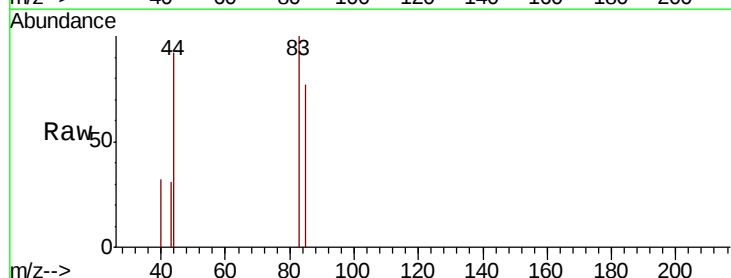
Tgt Ion: 83 Resp: 1143

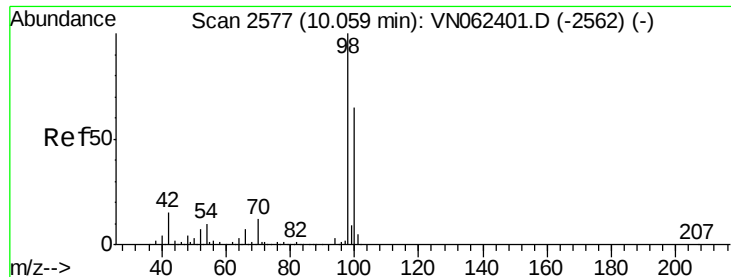
Ion Ratio Lower Upper

83 100

85 76.5 51.2 76.8

127 0.0 6.2 9.2#





#50

Toluene-d8

Concen: 52.297 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

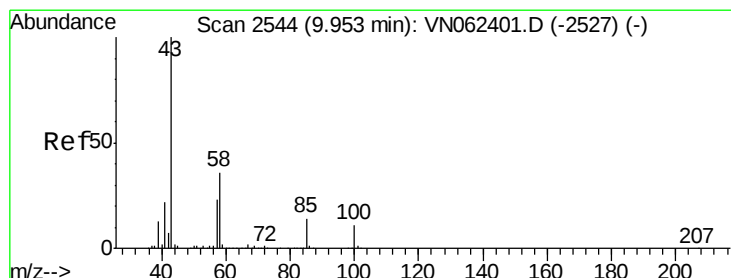
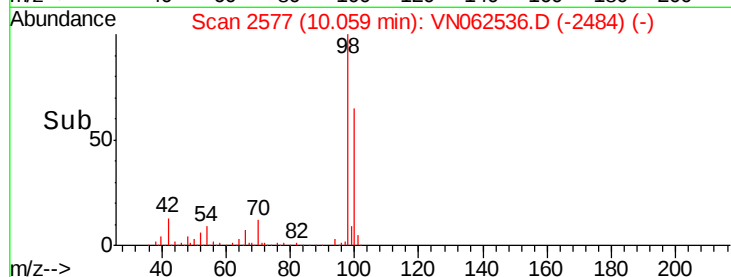
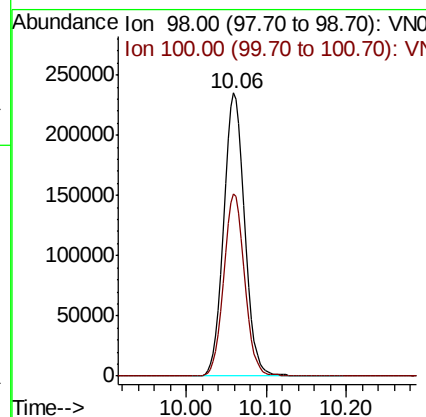
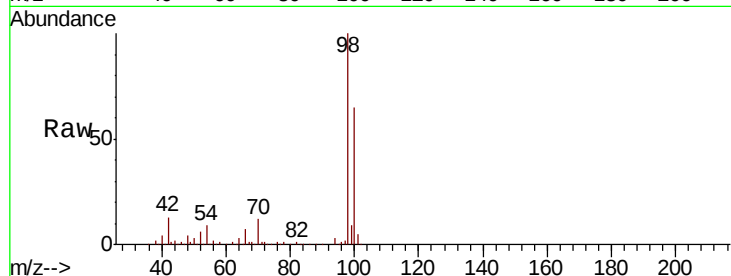
ClientSampled :

Tot Ion: 98 Resp: 429672

Ion Ratio Lower Upper

98 100

100 64.1 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 0.706 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN062536.D

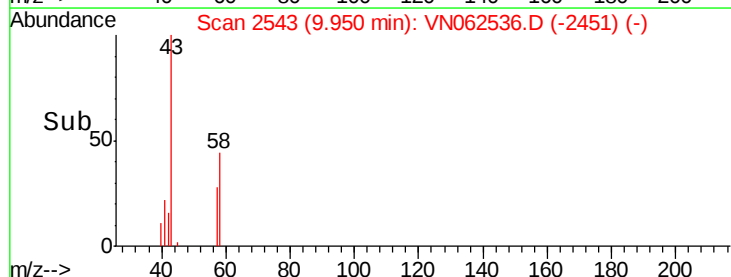
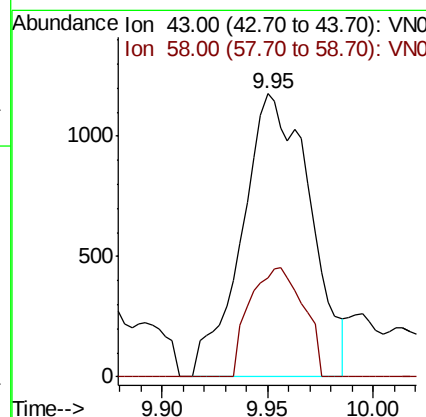
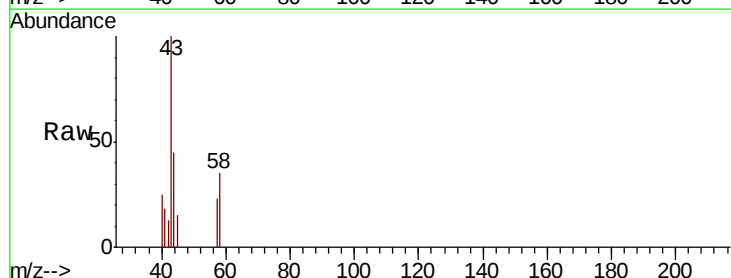
Acq: 15 Jul 2020 15:20

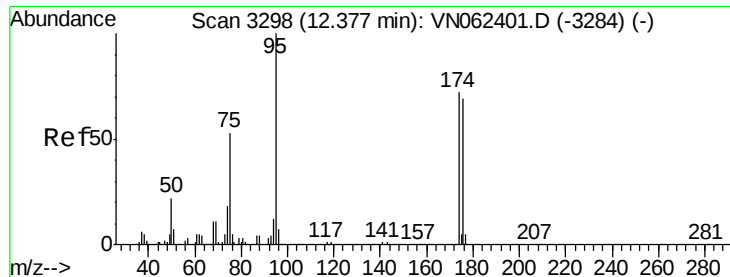
Tgt Ion: 43 Resp: 2643

Ion Ratio Lower Upper

43 100

58 30.2 29.0 43.6





#62

4-Bromofluorobenzene

Concen: 50.517 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

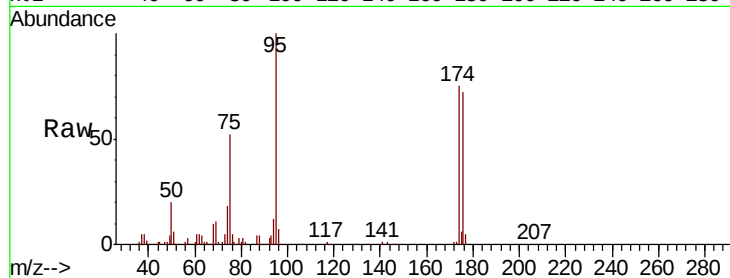
Tot Ion: 95 Resp: 151672

Ion Ratio Lower Upper

95 100

174 73.5 0.0 141.6

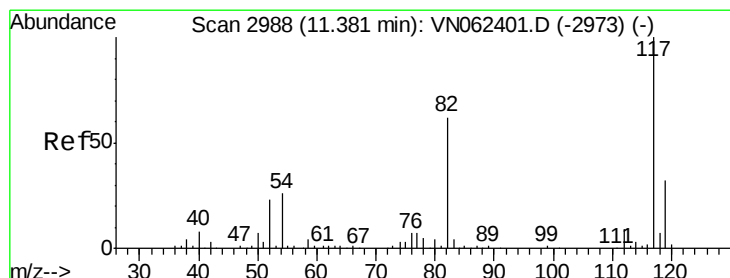
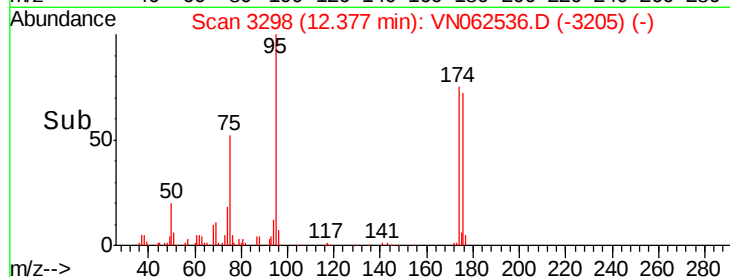
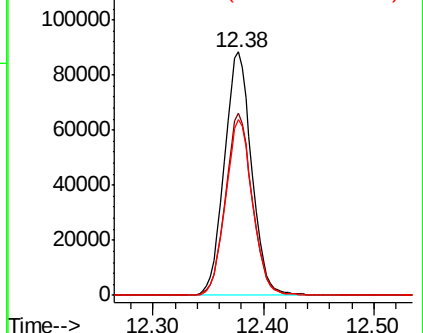
176 71.6 0.0 137.2



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# 2988

Delta R.T. 0.00 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

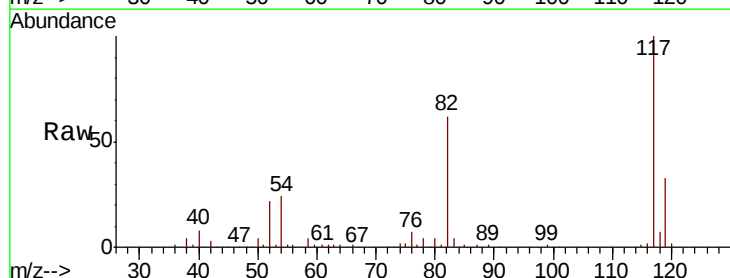
Tgt Ion: 117 Resp: 317809

Ion Ratio Lower Upper

117 100

82 61.7 49.6 74.4

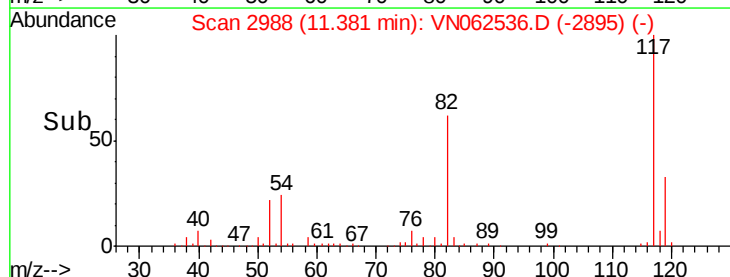
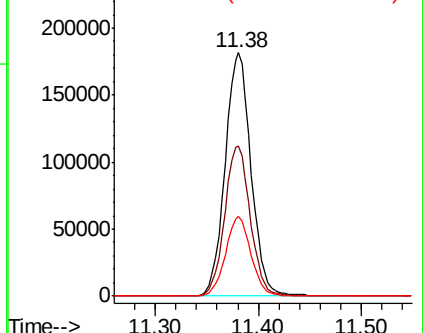
119 32.8 25.4 38.0

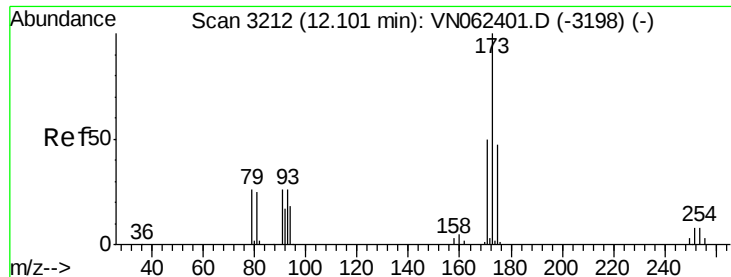


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.550 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

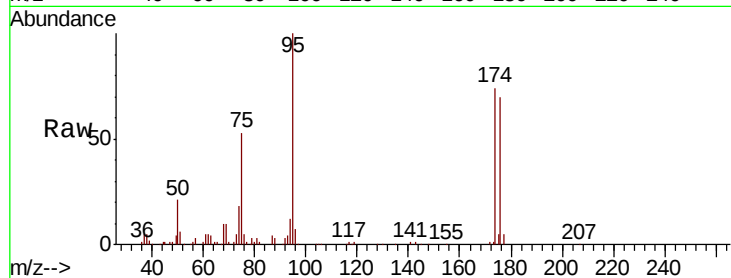
Tot Ion:173 Resp: 918

Ion Ratio Lower Upper

173 100

175 746.4 23.7 71.1#

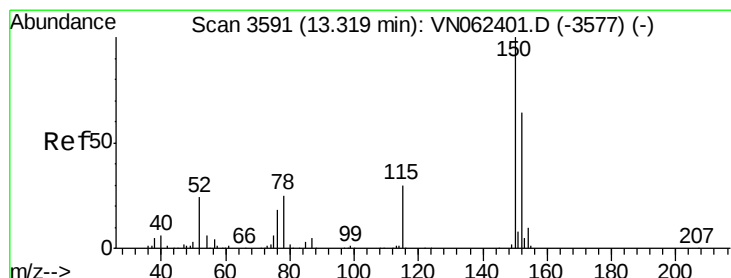
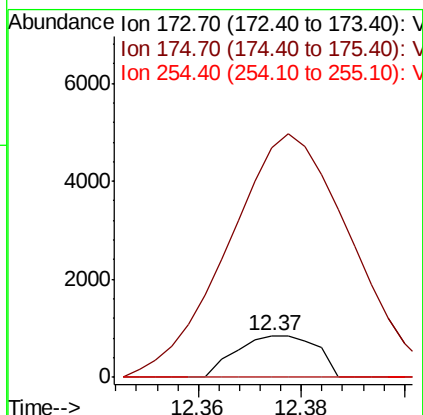
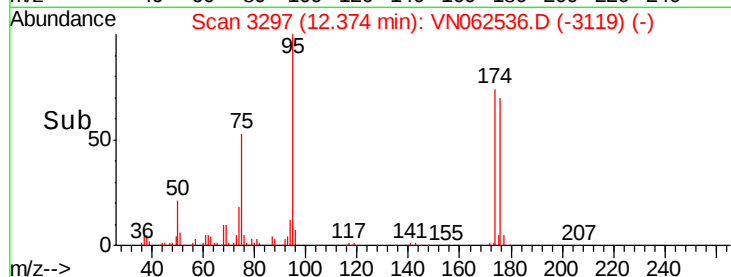
254 0.0 0.0 0.0



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: VN062536.D

Acq: 15 Jul 2020 15:20

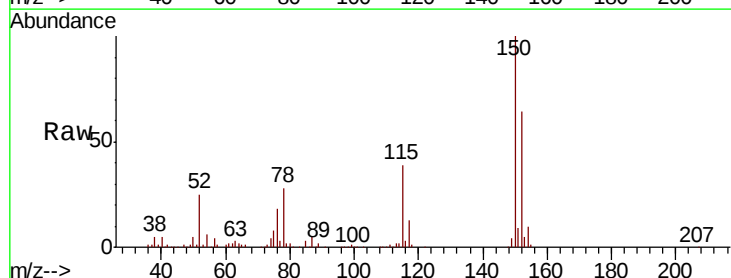
Tgt Ion:152 Resp: 120159

Ion Ratio Lower Upper

152 100

115 61.3 31.4 94.2

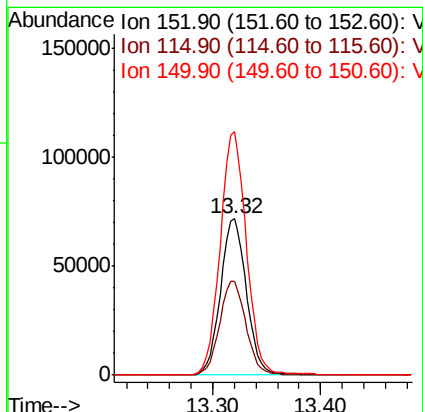
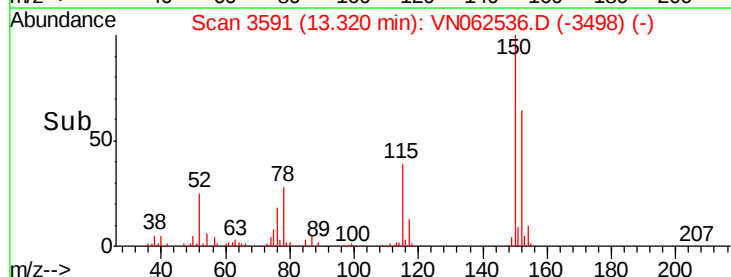
150 156.7 0.0 347.4

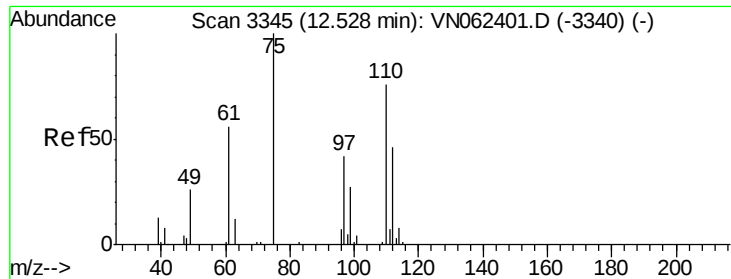


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.108 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

Instrument :

MSVOA_N

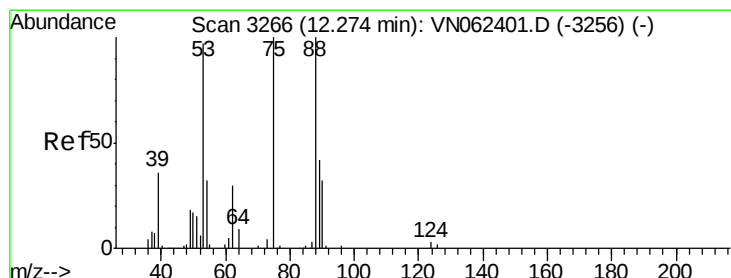
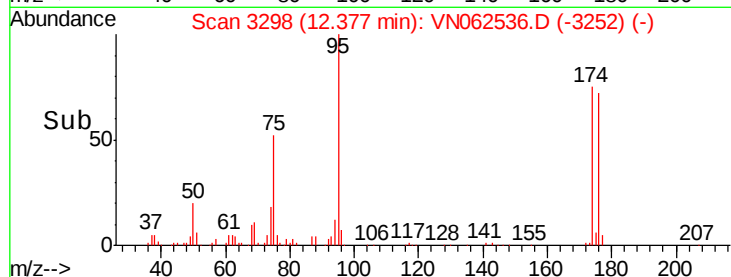
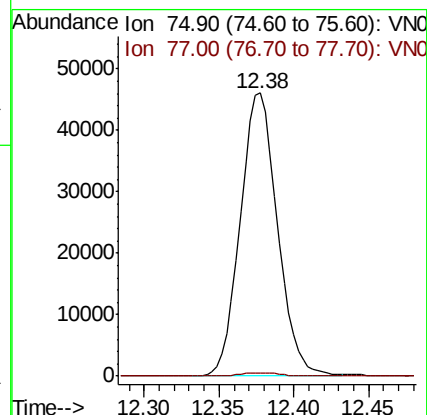
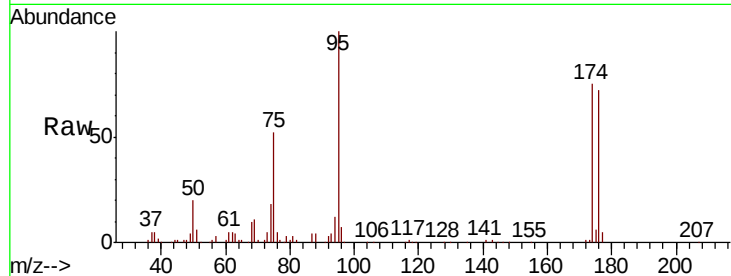
ClientSampleId :

Tot Ion: 75 Resp: 79921

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.556 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062536.D

Acq: 15 Jul 2020 15:20

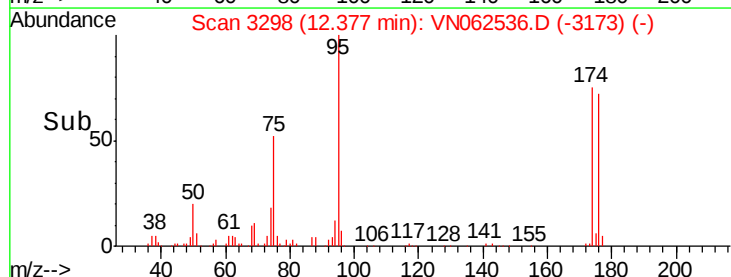
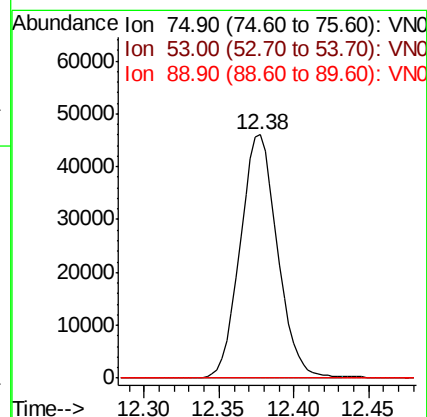
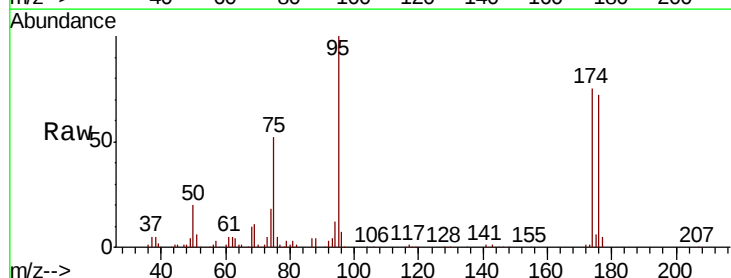
Tgt Ion: 75 Resp: 79921

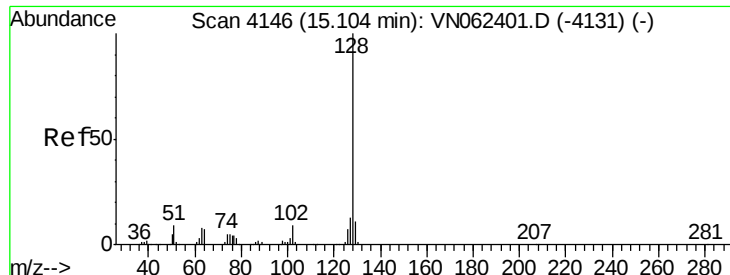
Ion Ratio Lower Upper

75 100

53 0.0 79.2 118.8#

89 0.0 34.6 52.0#





#95
Naphthalene
Concen: Below Cal
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062536.D
Acq: 15 Jul 2020 15:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#

