

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062027.D
 Acq On : 23 Jun 2020 3:34
 Operator : JC/MD
 Sample : L3033-08 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616

Quant Time: Jun 23 07:10:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	164578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	294862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	286422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116994	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	107824	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
35) Dibromofluoromethane	7.55	113	93243	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.06	98	366559	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.38	95	124719	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	

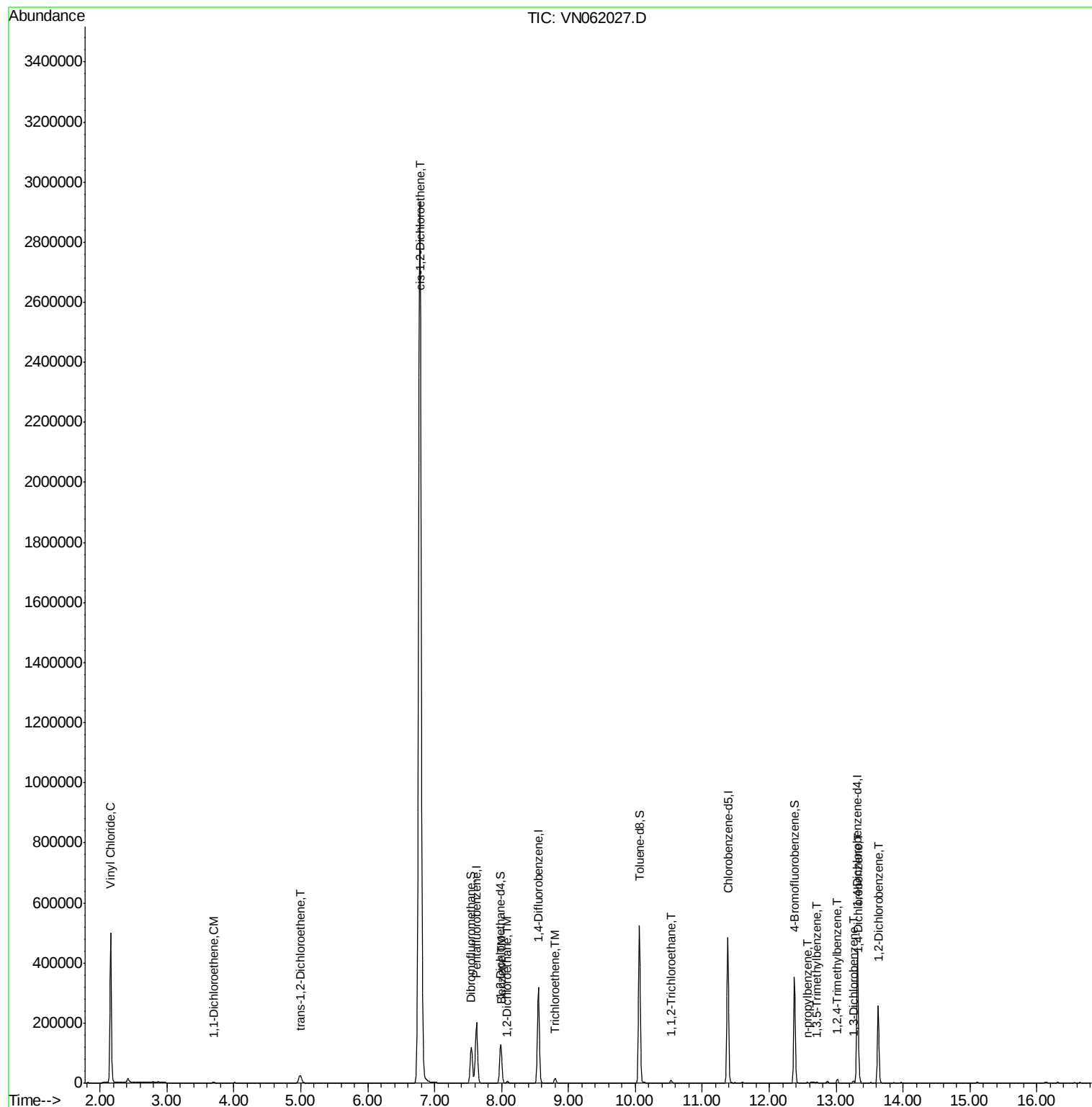
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	445731	163.671	ug/l	100
12) 1,1-Dichloroethene	3.71	96	1390	0.831	ug/l #	52
21) trans-1,2-Dichloroethene	4.99	96	18791	9.783	ug/l	95
27) cis-1,2-Dichloroethene	6.78	96	2034382	917.959	ug/l	92
40) Benzene	8.00	78	3560	0.437	ug/l	97
42) 1,2-Dichloroethane	8.08	62	4364	1.571	ug/l	97
44) Trichloroethene	8.80	130	6485	3.025	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	3251	1.615	ug/l	96
78) n-propylbenzene	12.57	91	3104	0.327	ug/l	89
80) 1,3,5-Trimethylbenzene	12.71	105	2489	0.362	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	8082	1.190	ug/l	95
87) 1,3-Dichlorobenzene	13.26	146	3469	0.907	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	14815	3.783	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	110186	29.919	ug/l	100

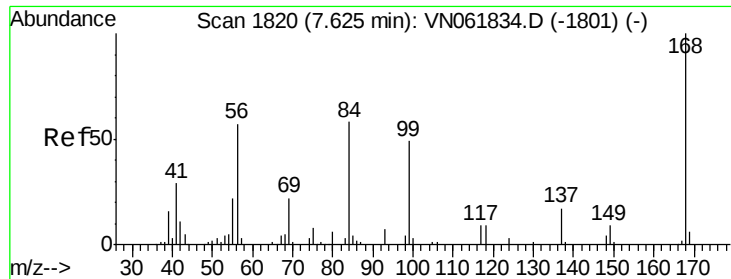
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 23 07:10:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062027.D

Acq: 23 Jun 2020 3:34

Instrument :

MSVOA_N

ClientSampleId :

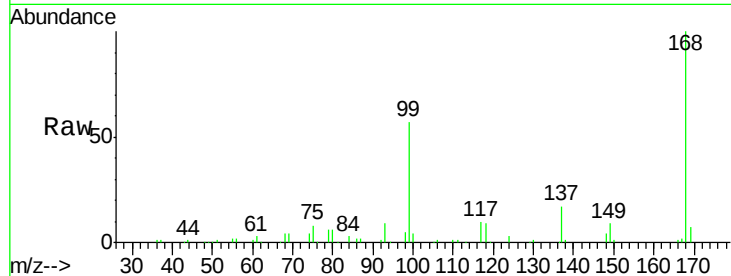
SS043MW009-200616

Tot Ion:168 Resp: 164578

Ion Ratio Lower Upper

168 100

99 57.2 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

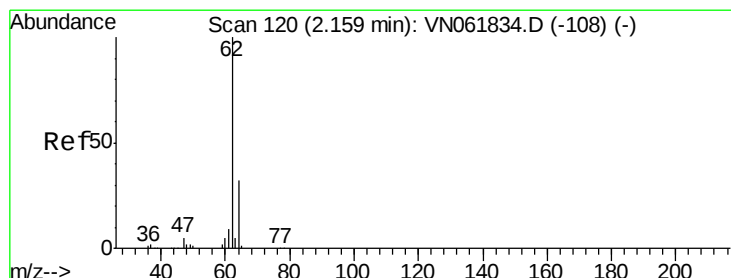
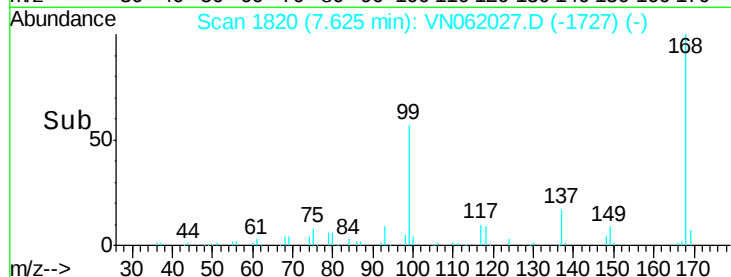
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#4

Vinyl Chloride

Concen: 163.671 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062027.D

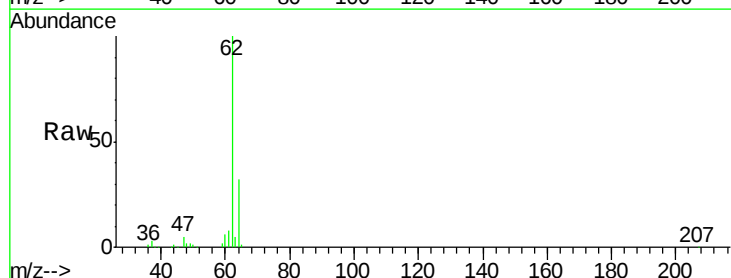
Acq: 23 Jun 2020 3:34

Tgt Ion: 62 Resp: 445731

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

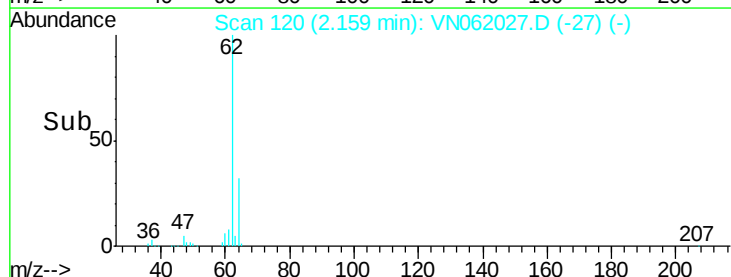
300000

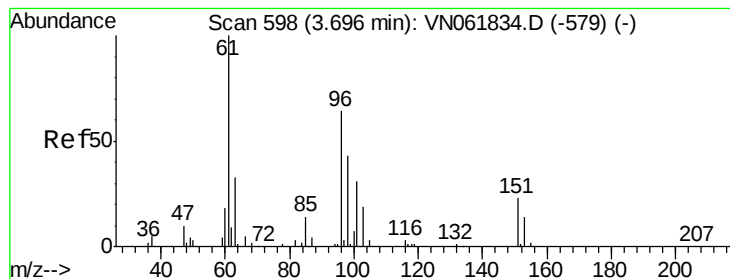
200000

100000

0

Time--> 2.10 2.15 2.20 2.25





#12

1,1-Dichloroethene

Concen: 0.831 ug/l

RT: 3.71 min Scan# 601

Delta R.T. 0.01 min

Lab File: VN062027.D

Acq: 23 Jun 2020 3:34

Instrument :

MSVOA_N

ClientSampleId :

SS043MW009-200616

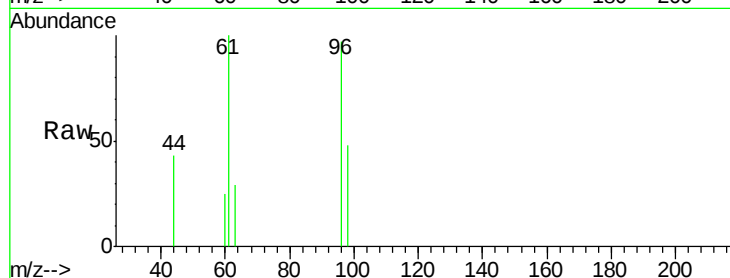
Tot Ion: 96 Resp: 1390

Ion Ratio Lower Upper

96 100

61 77.5 124.3 186.5#

98 49.4 53.1 79.7#



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-579) (-)

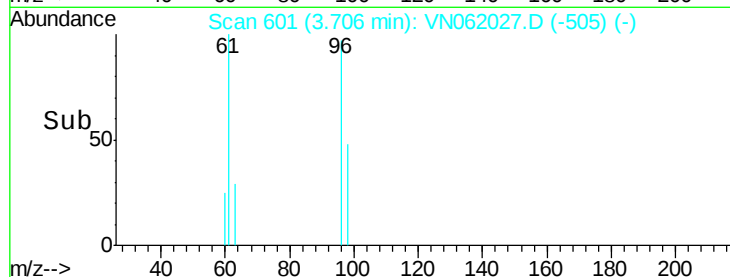
Ion 60.90 (60.60 to 61.60): VN061834.D (-579) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-579) (-)

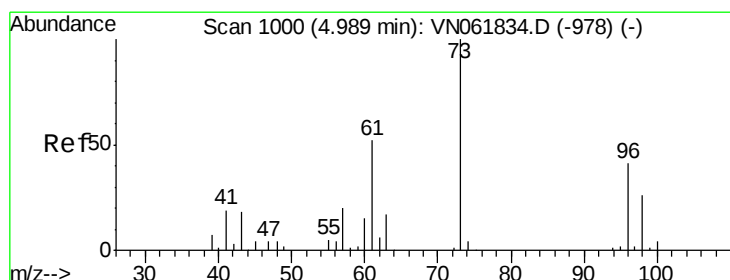
Time-->

3.65 3.70 3.75

3.71



Time-->



#21

trans-1,2-Dichloroethene

Concen: 9.783 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062027.D

Acq: 23 Jun 2020 3:34

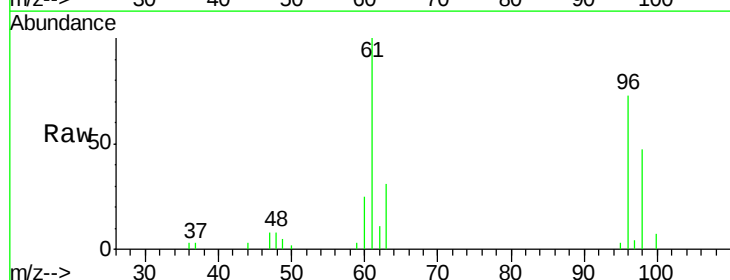
Tgt Ion: 96 Resp: 18791

Ion Ratio Lower Upper

96 100

61 136.7 102.2 153.4

98 64.7 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VN061834.D (-978) (-)

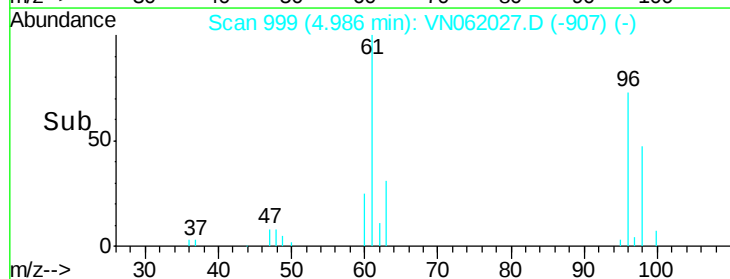
Ion 60.90 (60.60 to 61.60): VN061834.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN061834.D (-978) (-)

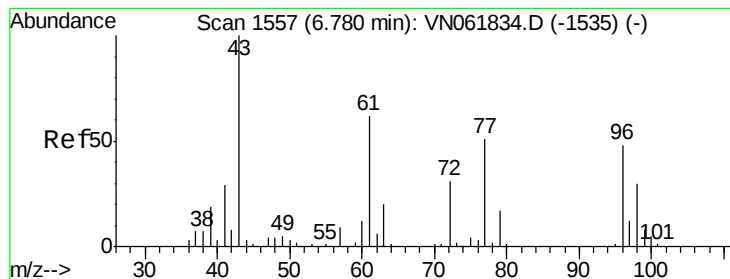
Time-->

4.90 4.95 5.00 5.05 5.10

4.99



Time-->



#27

cis-1,2-Dichloroethene

Concen: 917.959 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062027.D

Acq: 23 Jun 2020 3:34

Instrument :

MSVOA_N

ClientSampleId :

SS043MW009-200616

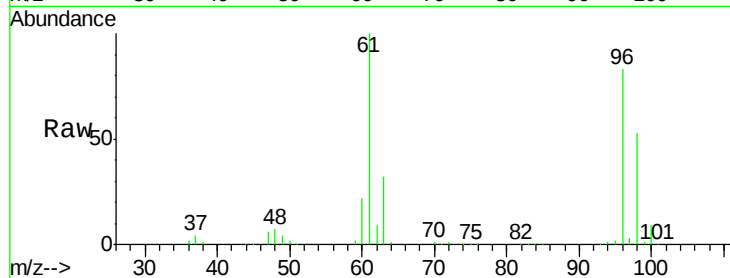
Tot Ion: 96 Resp: 2034382

Ion Ratio Lower Upper

96 100

61 119.6 0.0 265.6

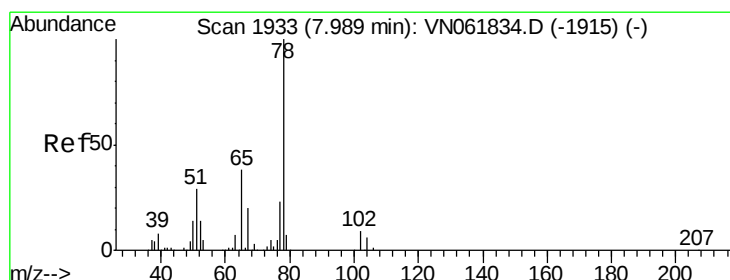
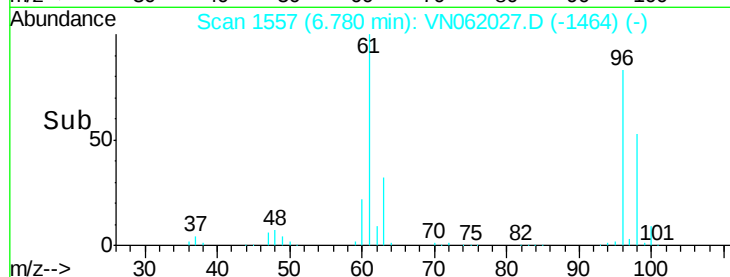
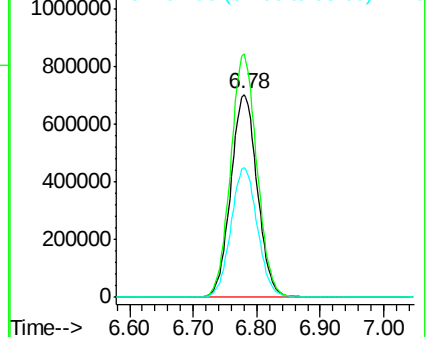
98 64.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.850 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062027.D

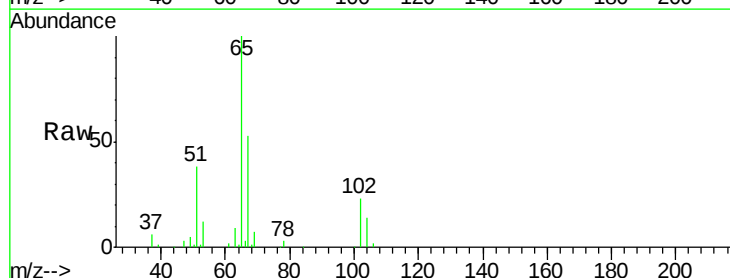
Acq: 23 Jun 2020 3:34

Tgt Ion: 65 Resp: 107824

Ion Ratio Lower Upper

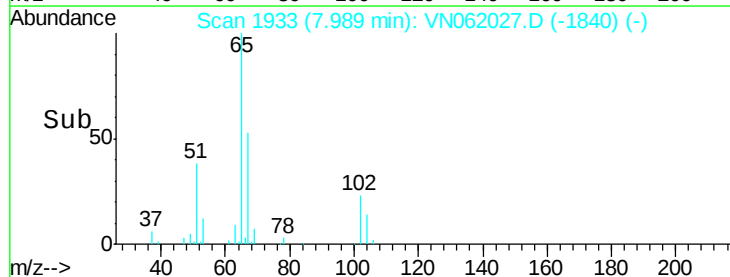
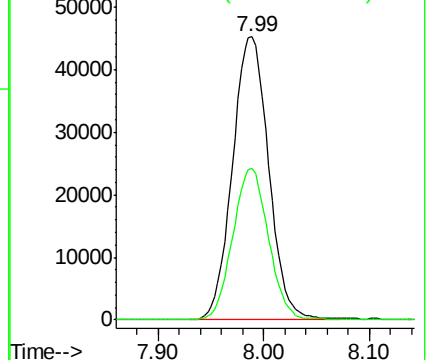
65 100

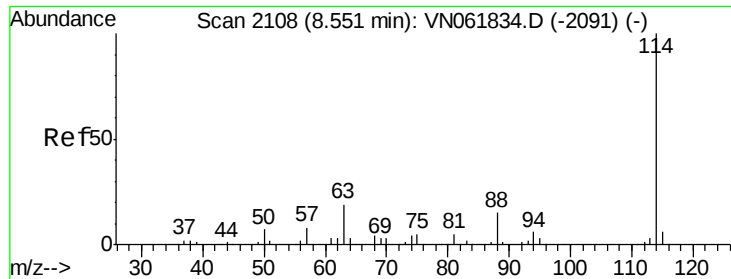
67 52.3 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

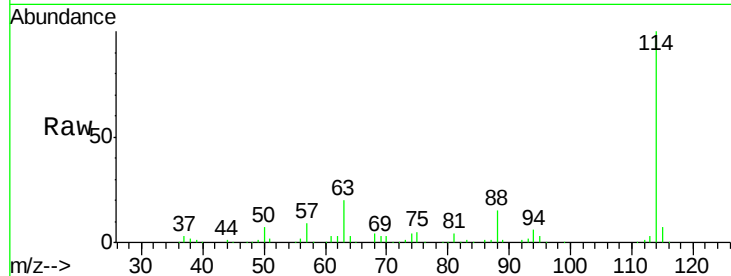




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616

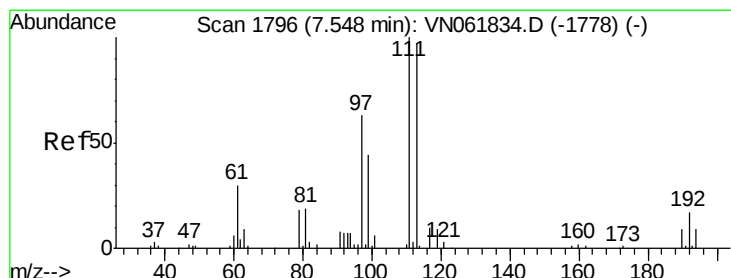
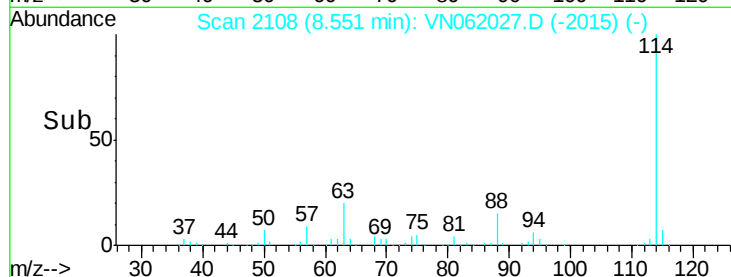
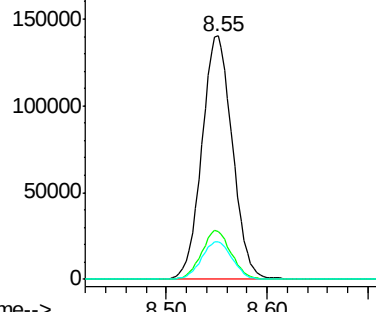
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	37.6
88	15.3	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V

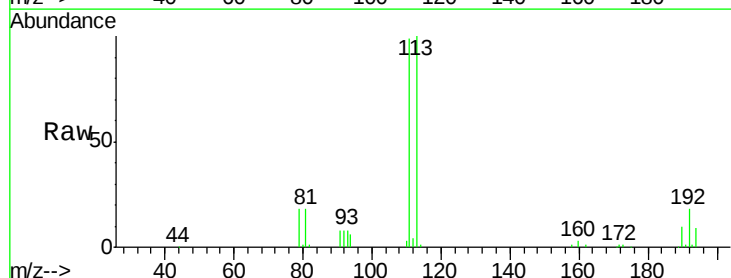
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35
 Dibromofluoromethane
 Concen: 49.430 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

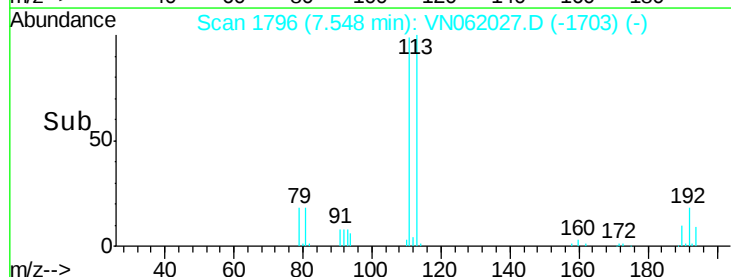
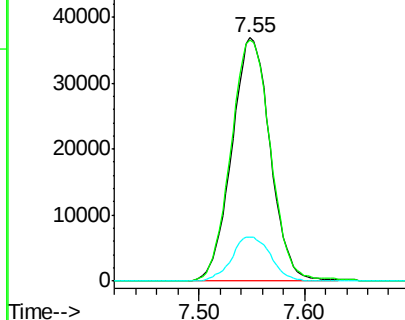
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.7	125.5
192	18.4	13.9	20.9

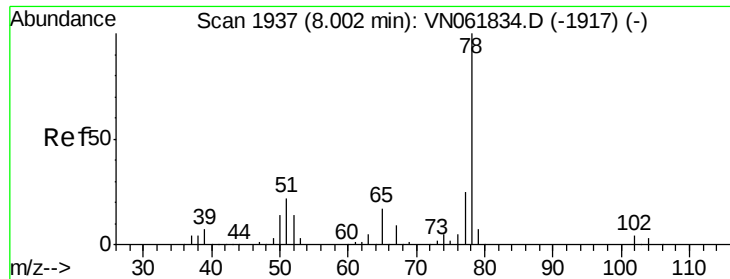


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.437 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN062027.D

Acq: 23 Jun 2020 3:34

Instrument :

MSVOA_N

ClientSampleId :

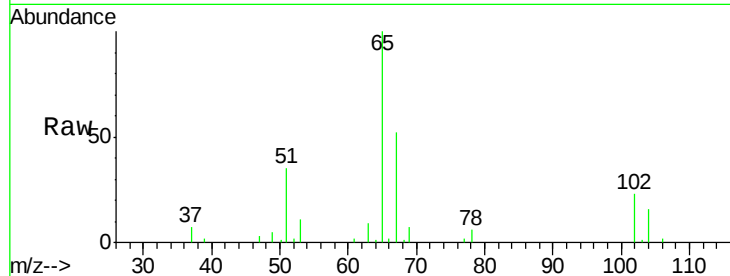
SS043MW009-200616

Tot Ion: 78 Resp: 3560

Ion Ratio Lower Upper

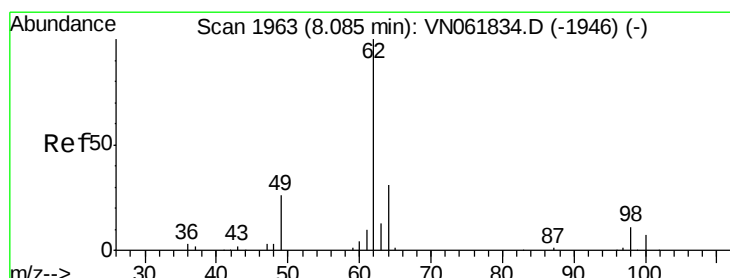
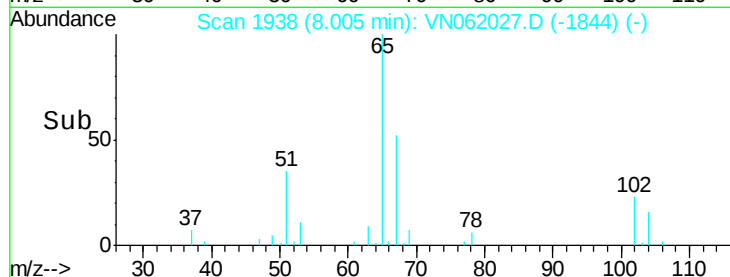
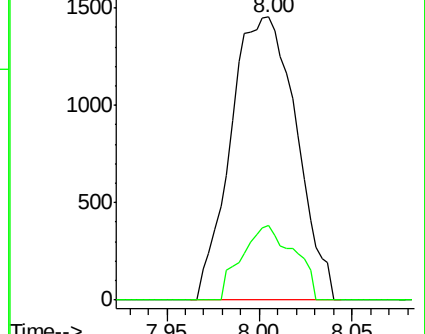
78 100

77 26.2 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

1,2-Dichloroethane

Concen: 1.571 ug/l

RT: 8.08 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VN062027.D

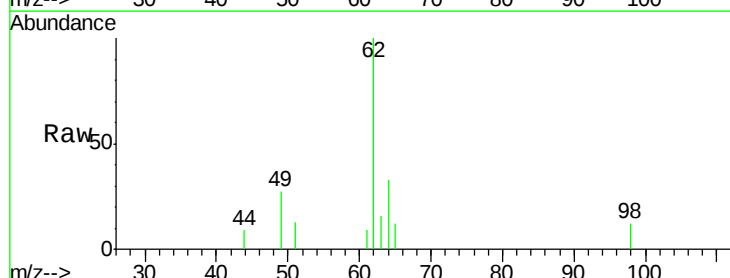
Acq: 23 Jun 2020 3:34

Tgt Ion: 62 Resp: 4364

Ion Ratio Lower Upper

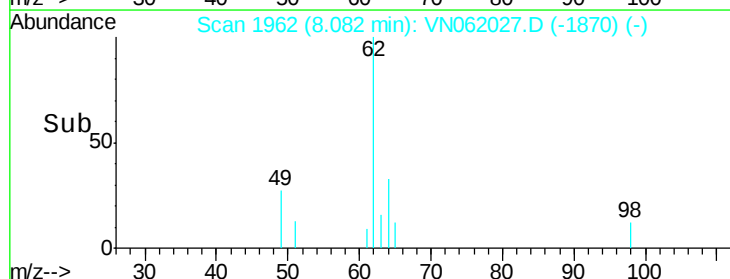
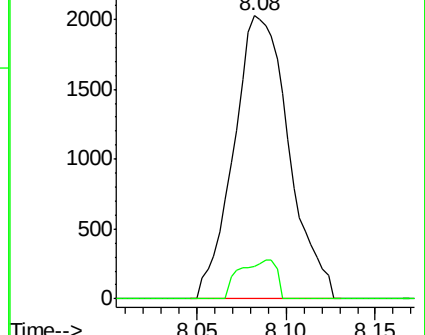
62 100

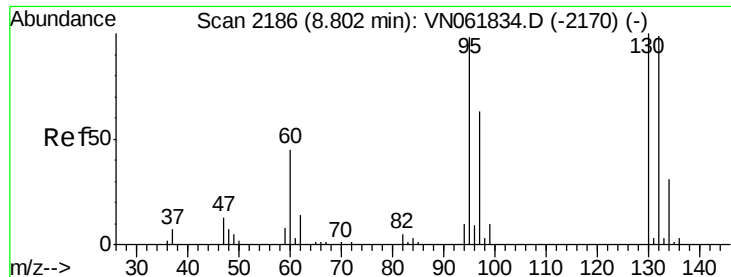
98 9.1 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#44

Trichloroethene

Concen: 3.025 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062027.D

Acq: 23 Jun 2020 3:34

Instrument :

MSVOA_N

ClientSampleId :

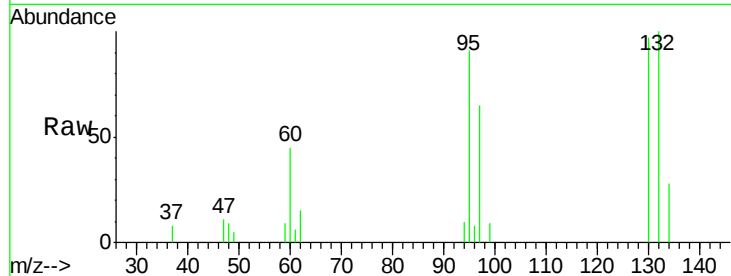
SS043MW009-200616

Tot Ion:130 Resp: 6485

Ion Ratio Lower Upper

130 100

95 93.6 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN062027.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062027.D (-2093) (-)

8.80

3000

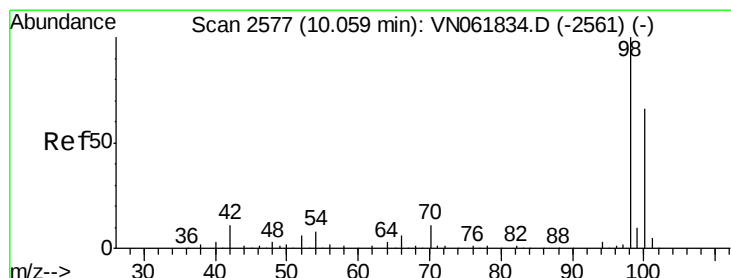
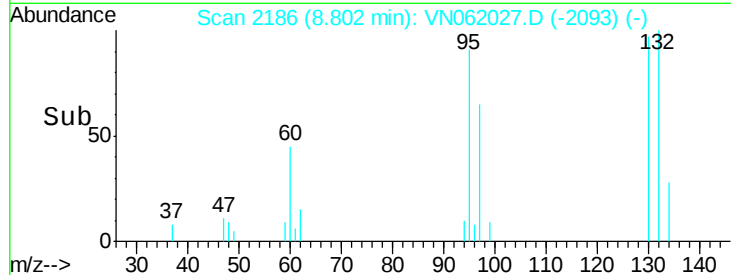
2000

1000

0

8.75 8.80 8.85

Time-->



#50

Toluene-d8

Concen: 49.427 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062027.D

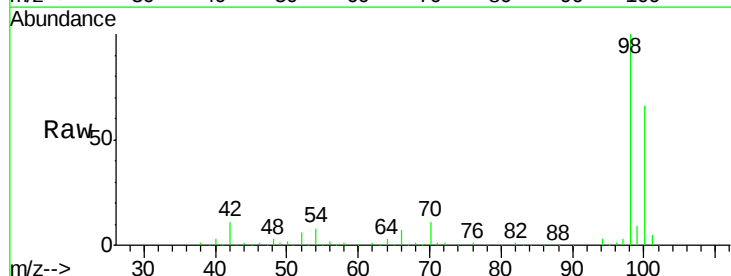
Acq: 23 Jun 2020 3:34

Tgt Ion: 98 Resp: 366559

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN062027.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN062027.D (-2484) (-)

10.06

200000

150000

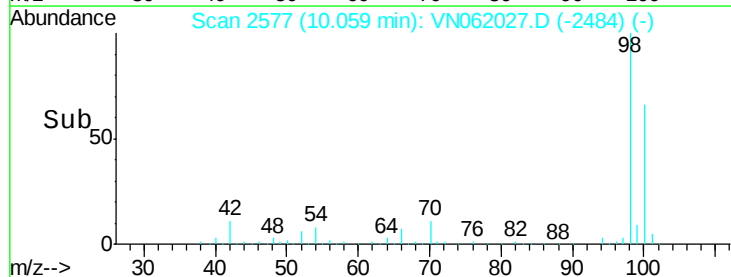
100000

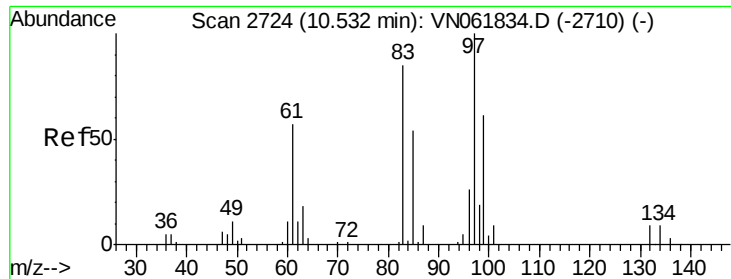
50000

0

10.00 10.10

Time-->

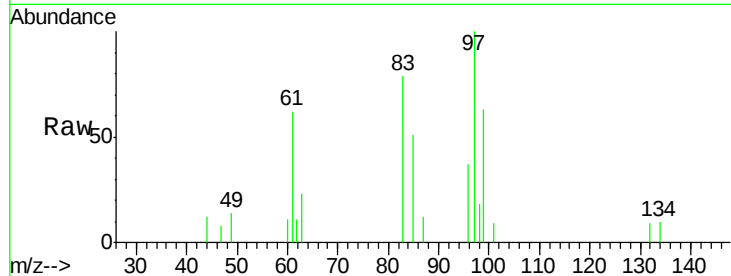




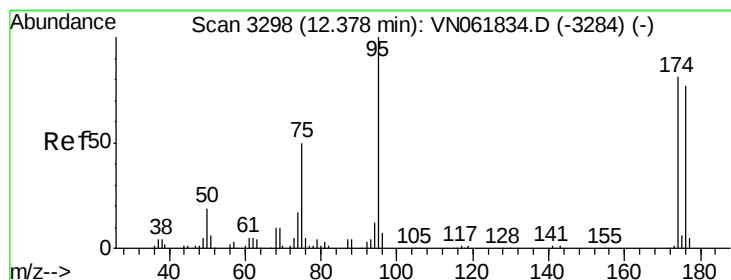
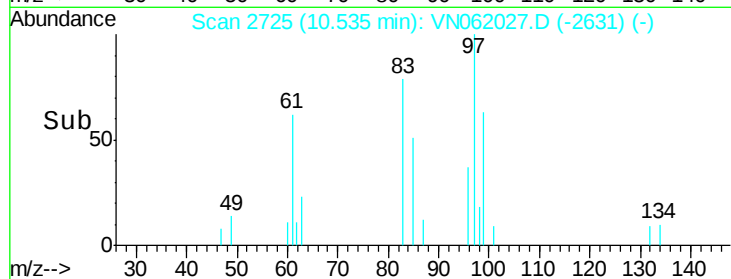
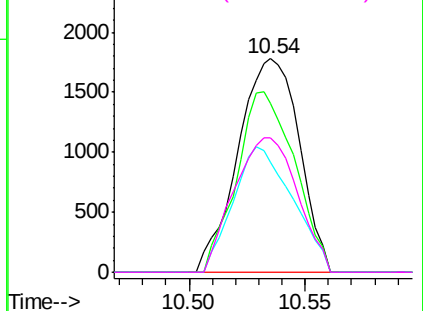
#55
 1,1,2-Trichloroethane
 Concen: 1.615 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616

Tot Ion: 97 Resp: 3251
 Ion Ratio Lower Upper
 97 100
 83 79.3 67.7 101.5
 85 51.5 43.4 65.0
 99 63.1 48.8 73.2

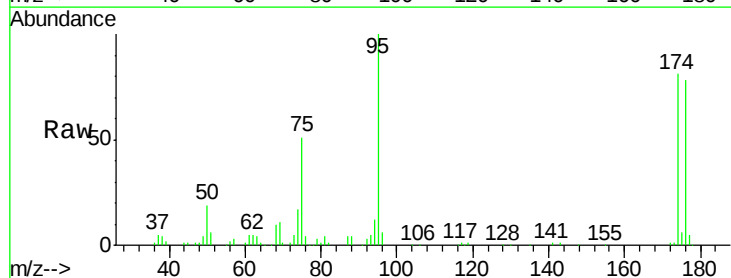


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

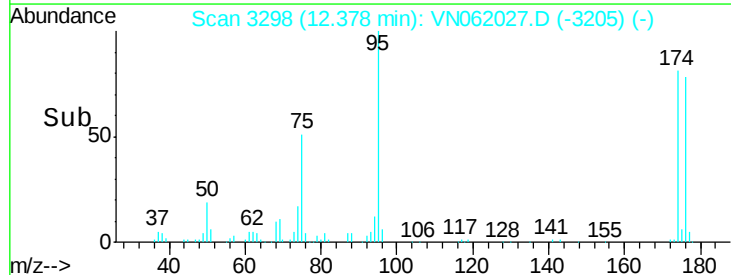
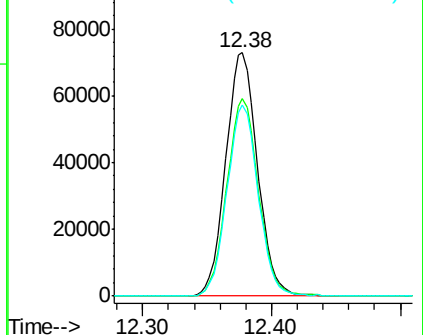


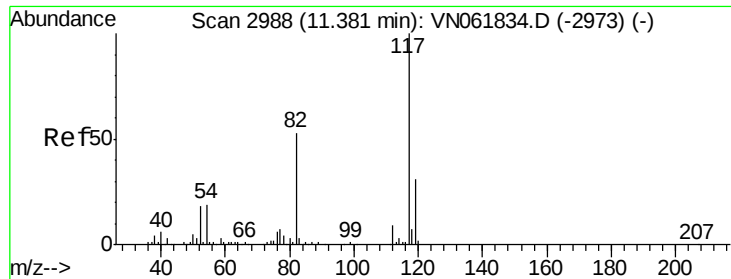
#62
 4-Bromofluorobenzene
 Concen: 49.028 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

Tgt Ion: 95 Resp: 124719
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 158.6
 176 77.0 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

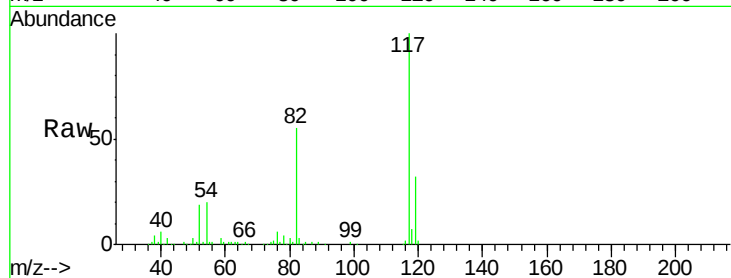




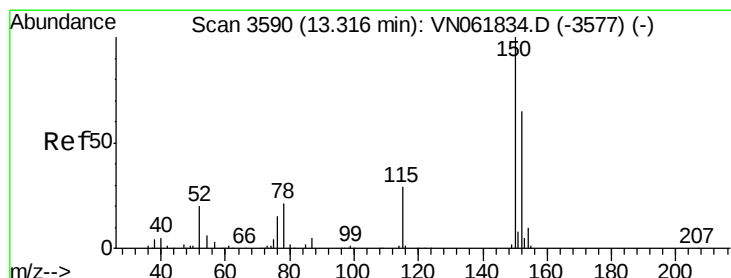
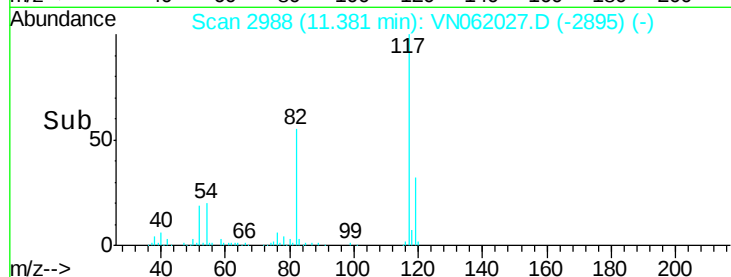
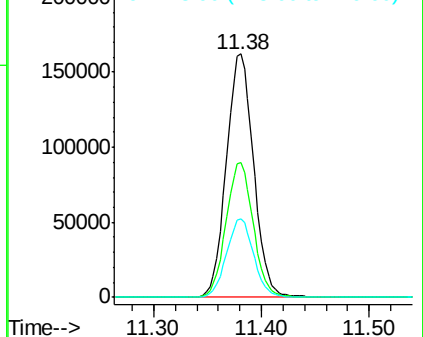
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062027.D
Acq: 23 Jun 2020 3:34

Instrument :
MSVOA_N
ClientSampleId :
SS043MW009-200616

Tot Ion:117 Resp: 286422
Ion Ratio Lower Upper
117 100
82 55.4 42.6 64.0
119 32.5 24.7 37.1

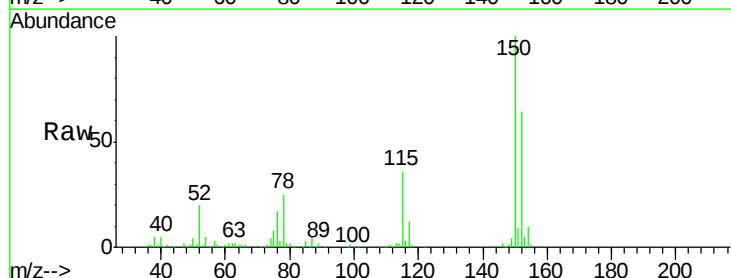


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

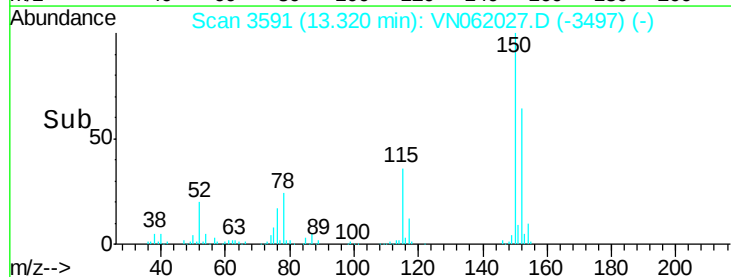
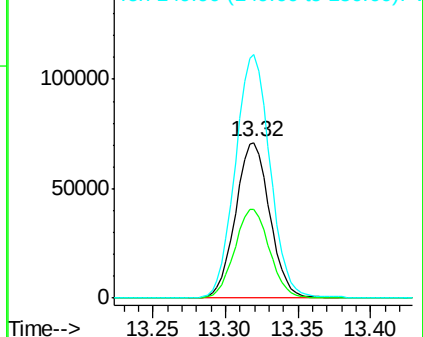


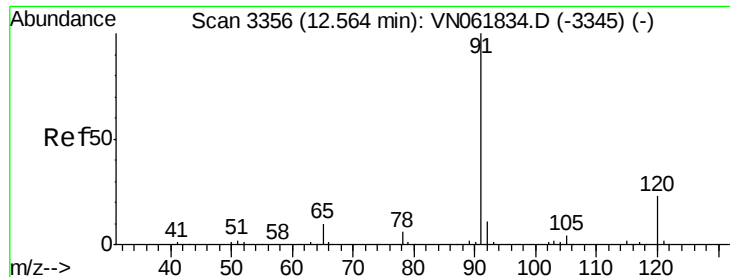
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062027.D
Acq: 23 Jun 2020 3:34

Tgt Ion:152 Resp: 116994
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.3
150 159.0 0.0 347.6



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





#78

n-propylbenzene

Concen: 0.327 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062027.D

Acq: 23 Jun 2020 3:34

Instrument :

MSVOA_N

ClientSampleId :

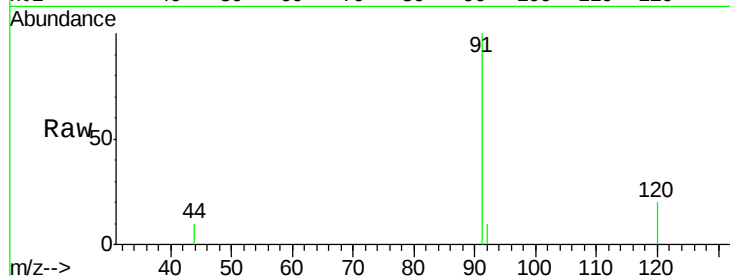
SS043MW009-200616

Tot Ion: 91 Resp: 3104

Ion Ratio Lower Upper

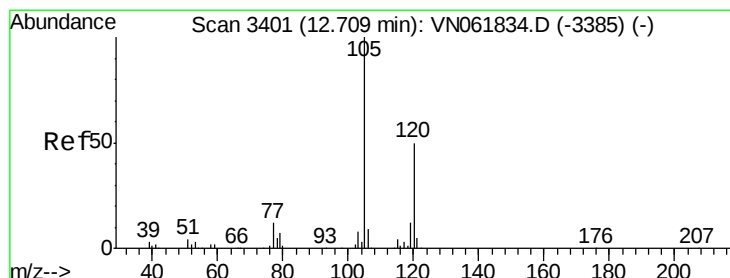
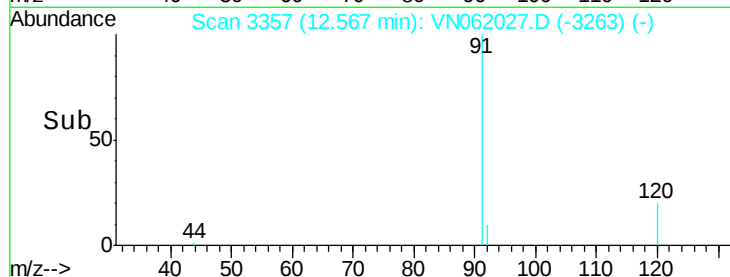
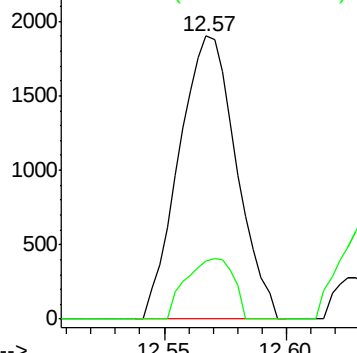
91 100

120 17.6 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 0.362 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062027.D

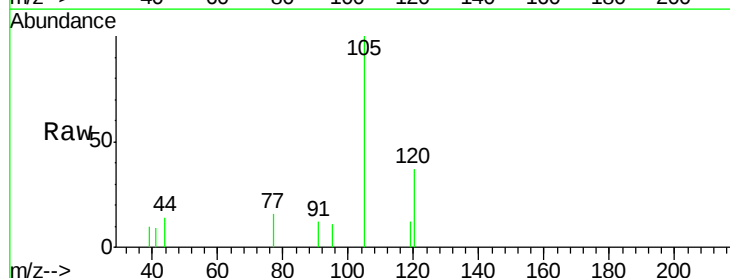
Acq: 23 Jun 2020 3:34

Tgt Ion: 105 Resp: 2489

Ion Ratio Lower Upper

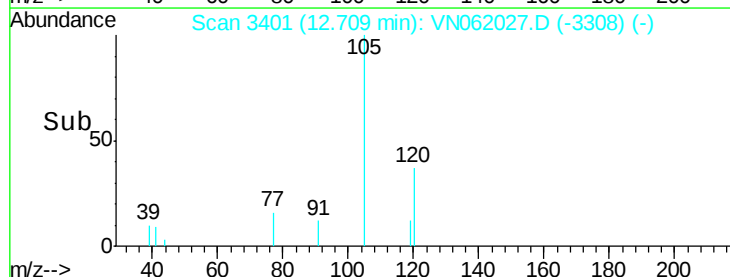
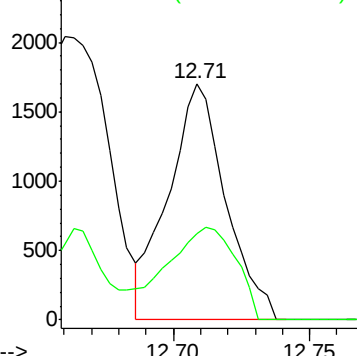
105 100

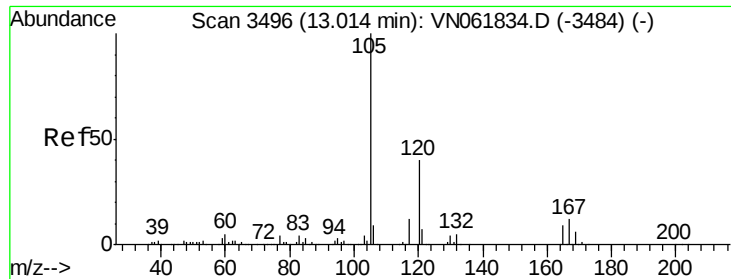
120 46.4 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

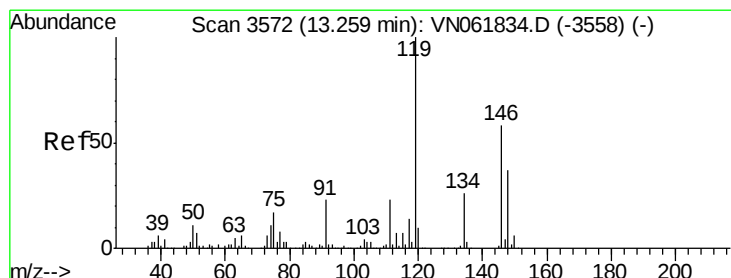
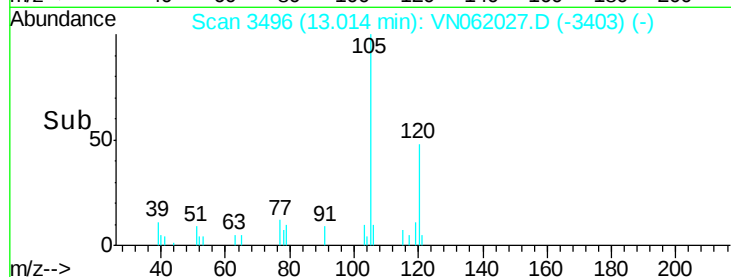
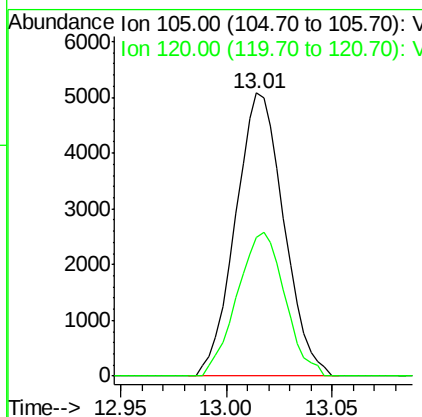
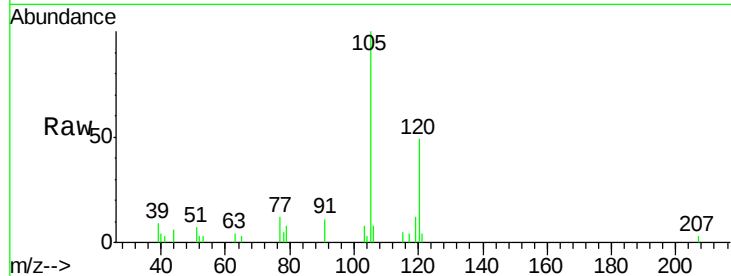




#84
 1,2,4-Trimethylbenzene
 Concen: 1.190 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

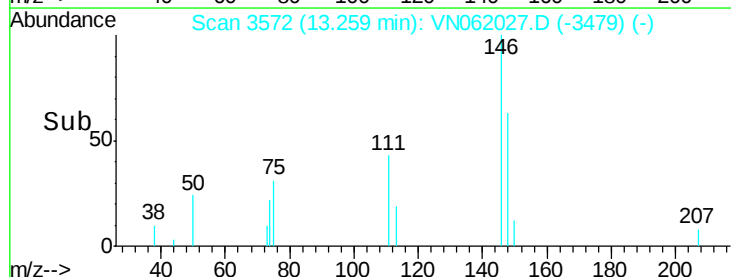
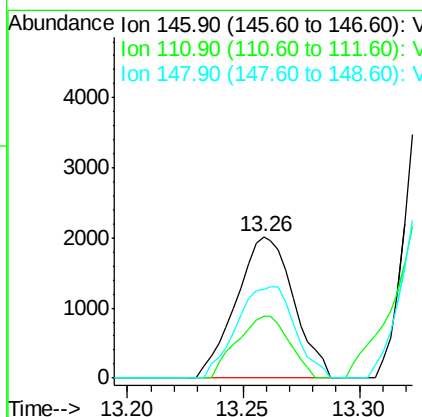
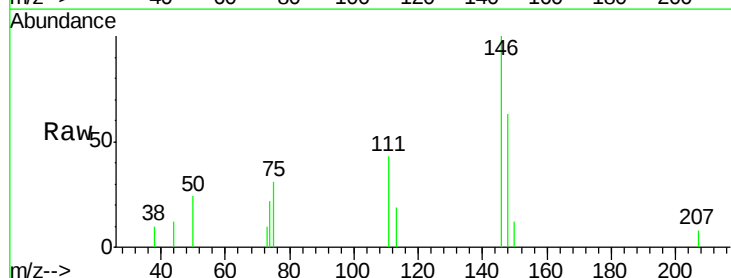
Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616

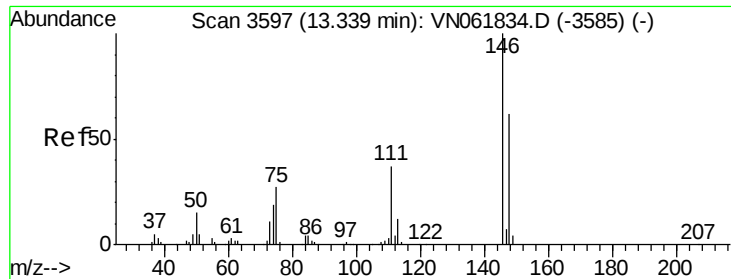
Tot Ion:105 Resp: 8082
 Ion Ratio Lower Upper
 105 100
 120 50.2 23.3 69.9



#87
 1,3-Dichlorobenzene
 Concen: 0.907 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

Tgt Ion:146 Resp: 3469
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.6 58.8
 148 65.2 31.8 95.4

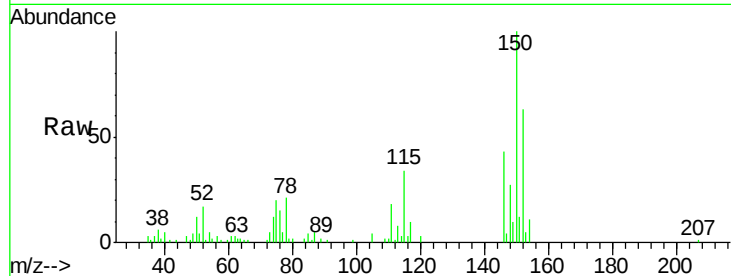




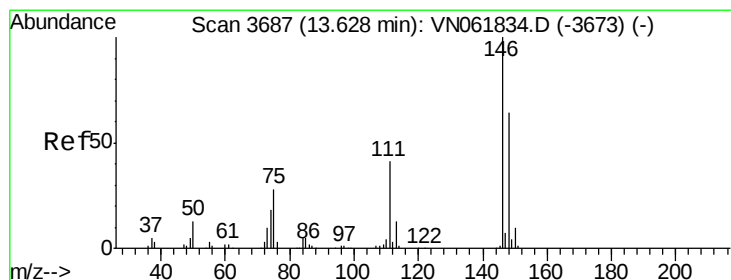
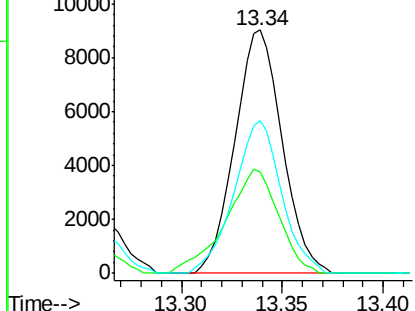
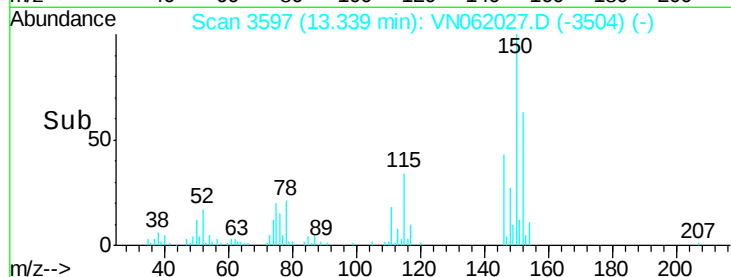
#88
 1,4-Dichlorobenzene
 Concen: 3.783 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

Instrument :
 MSVOA_N
 ClientSampleId :
 SS043MW009-200616

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	19.3	57.8
148	63.1	31.6	94.7

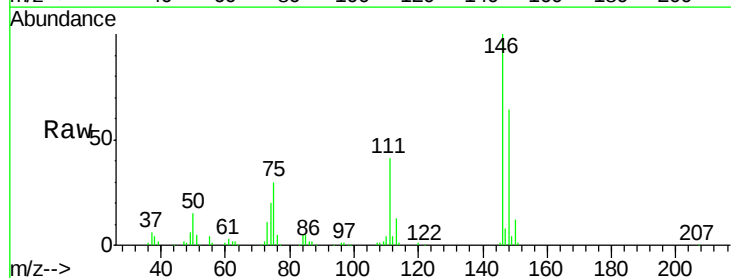


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 29.919 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062027.D
 Acq: 23 Jun 2020 3:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.4	61.2
148	63.7	31.8	95.4



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

