

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060120\
 Data File : VN061595.D
 Acq On : 1 Jun 2020 15:23
 Operator : JC/MD
 Sample : L2800-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WPO22MW102-200527

Quant Time: Jun 02 03:54:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	272586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	482109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	469696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	212625	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	165845	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	7.55	113	142788	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
50) Toluene-d8	10.06	98	578077	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.37	95	214599	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	

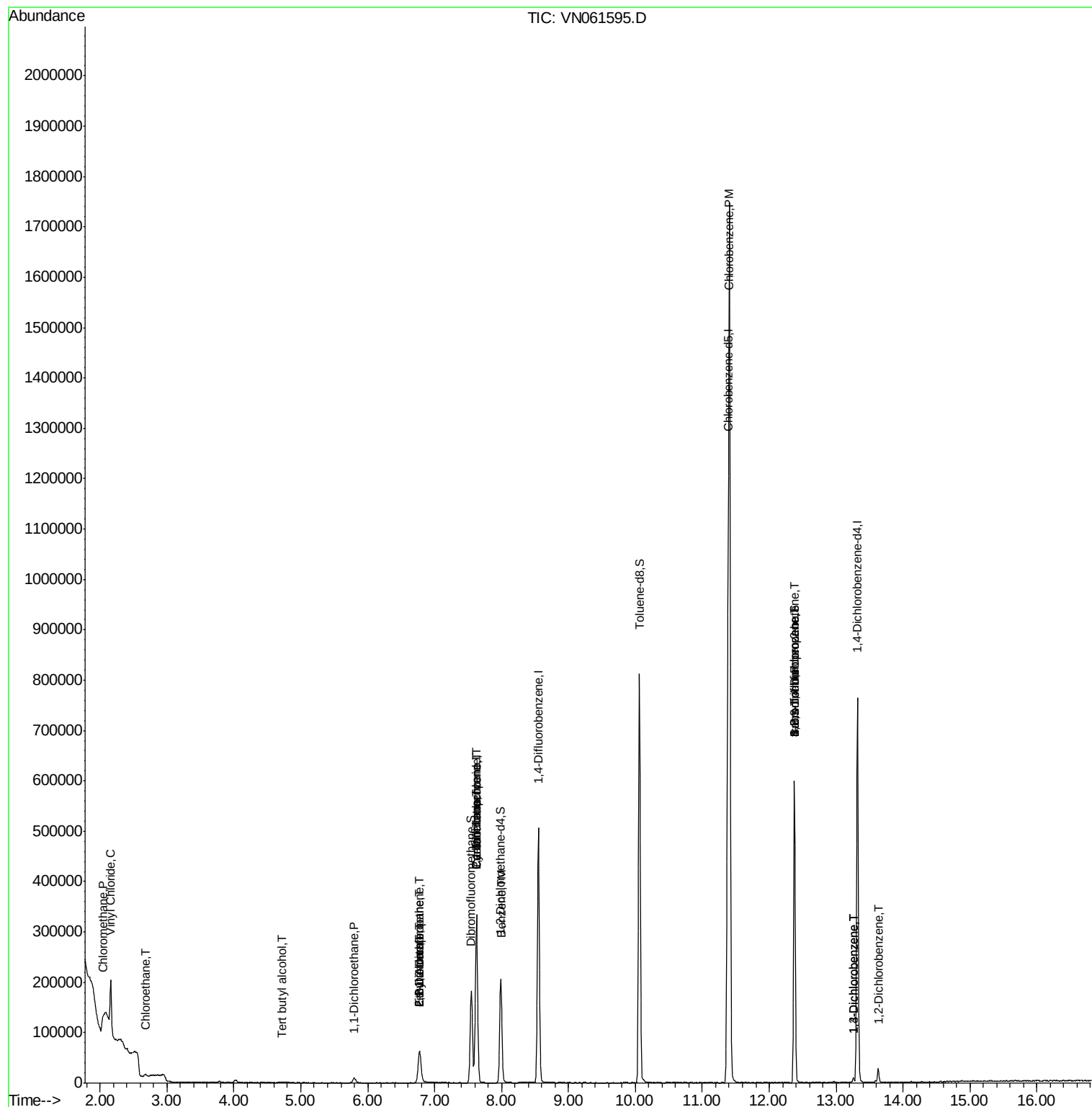
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1137	0.342	ug/l	95
4) Vinyl Chloride	2.16	62	84929	18.641	ug/l	97
6) Chloroethane	2.67	64	1716	0.585	ug/l #	81
11) Tert butyl alcohol	4.71	59	1968	4.556	ug/l #	72
16) Acetone	3.78	43	4012	Below Cal		95
24) 1,1-Dichloroethane	5.80	63	15391	3.024	ug/l	99
25) 2-Butanone	6.78	43	3177	2.064	ug/l #	71
26) 2,2-Dichloropropane	6.77	77	4815	1.034	ug/l #	51
27) cis-1,2-Dichloroethene	6.78	96	2424	0.681	ug/l	47
31) Cyclohexane	7.62	56	5730	1.252	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	20469	4.796	ug/l #	48
37) Ethyl Acetate	6.78	43	3177	0.924	ug/l #	1
38) Carbon Tetrachloride	7.63	117	28043	6.812	ug/l #	16
40) Benzene	8.00	78	17125	1.300	ug/l	98
65) Chlorobenzene	11.41	112	987259	101.120	ug/l	99
71) Bromoform	12.38	173	1570	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	107533	27.813	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107533	71.124	ug/l #	15
87) 1,3-Dichlorobenzene	13.26	146	4603	0.656	ug/l	95
88) 1,4-Dichlorobenzene	13.26	146	4603	0.644	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	11774	1.756	ug/l	95

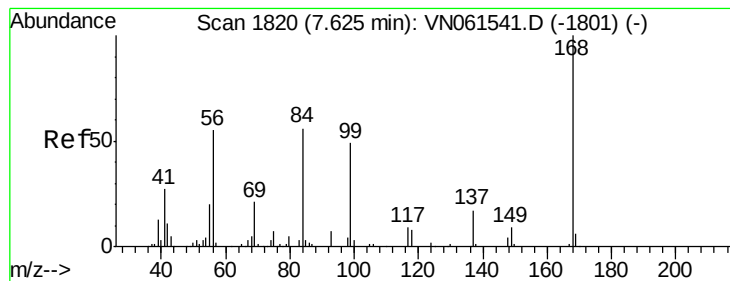
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Jun 02 03:54:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 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: VN061595.D

Acq: 1 Jun 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

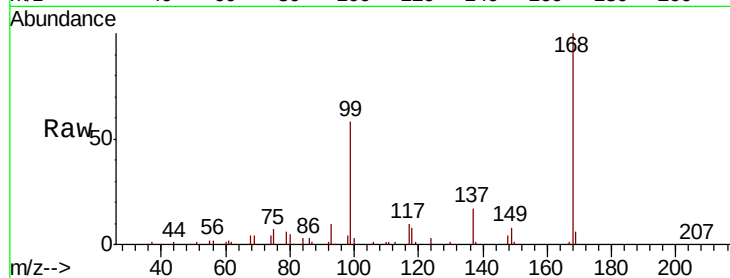
WP022MW102-200527

Tot Ion:168 Resp: 272586

Ion Ratio Lower Upper

168 100

99 57.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

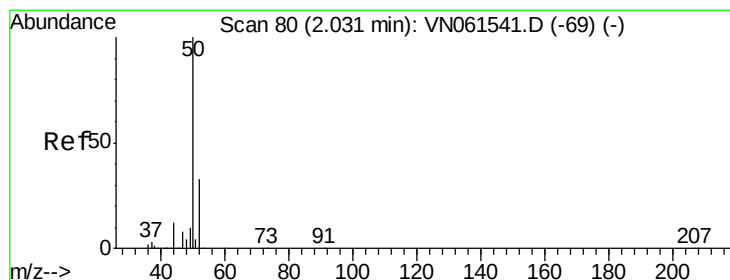
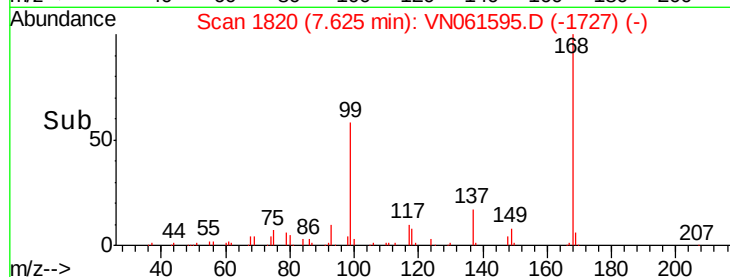
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.342 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061595.D

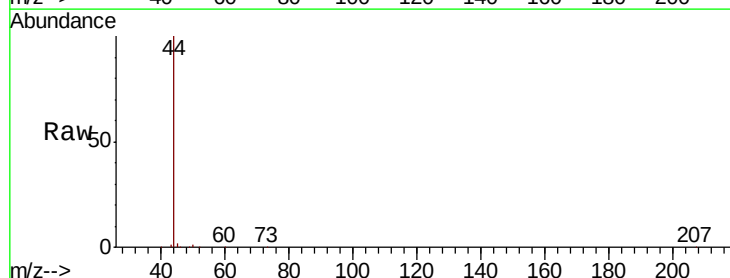
Acq: 1 Jun 2020 15:23

Tgt Ion: 50 Resp: 1137

Ion Ratio Lower Upper

50 100

52 30.7 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

1000

800

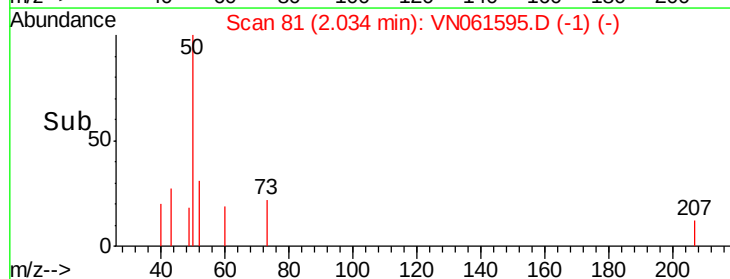
600

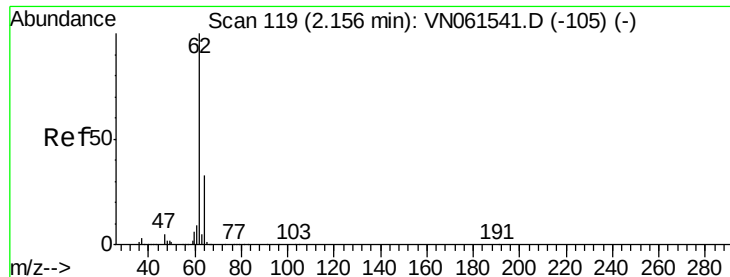
400

200

0

Time--> 2.00 2.02 2.04 2.06





#4

Vinyl Chloride

Concen: 18.641 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

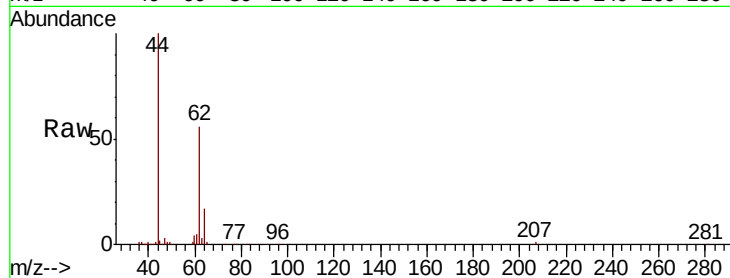
WP022MW102-200527

Tot Ion: 62 Resp: 84929

Ion Ratio Lower Upper

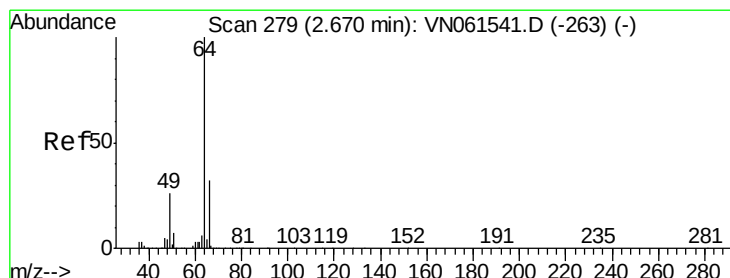
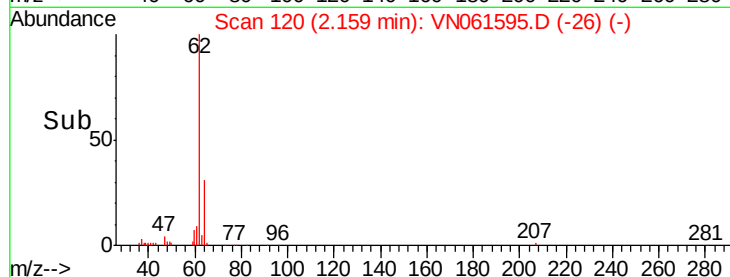
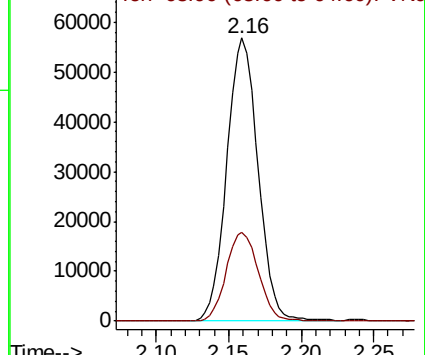
62 100

64 31.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN061541.D (-105) (-)

Ion 63.90 (63.60 to 64.60): VN061541.D (-105) (-)



#6

Chloroethane

Concen: 0.585 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061595.D

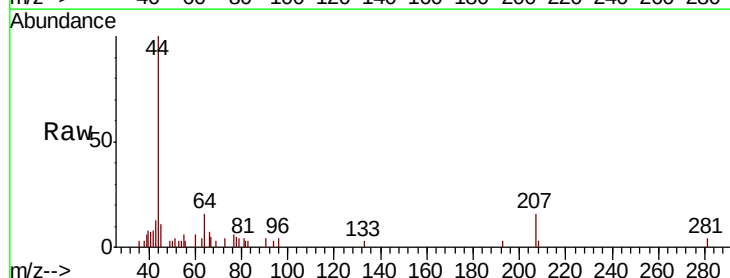
Acq: 1 Jun 2020 15:23

Tgt Ion: 64 Resp: 1716

Ion Ratio Lower Upper

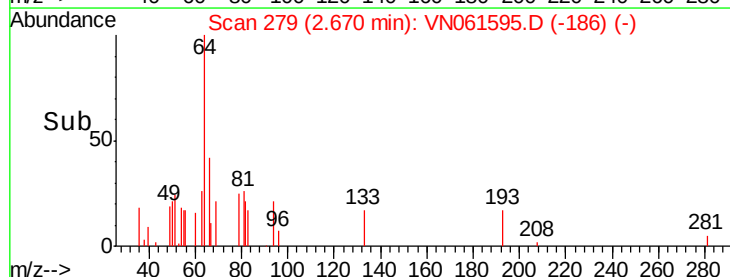
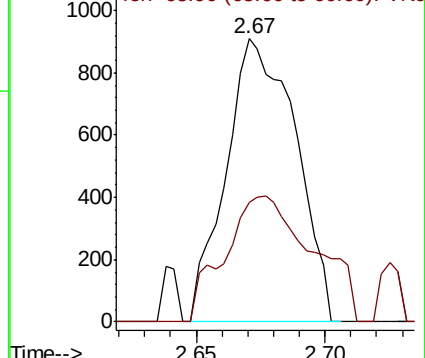
64 100

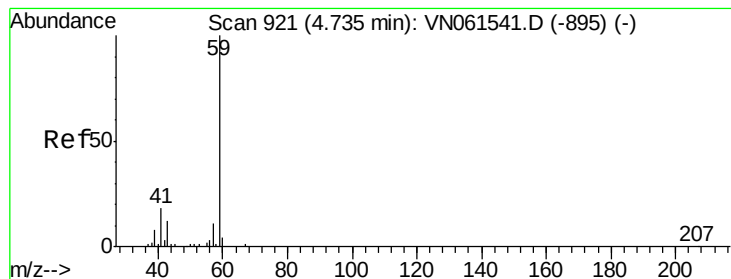
66 42.5 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VN061541.D (-263) (-)

Ion 65.90 (65.60 to 66.60): VN061541.D (-263) (-)





#11

Tert butyl alcohol

Concen: 4.556 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.02 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

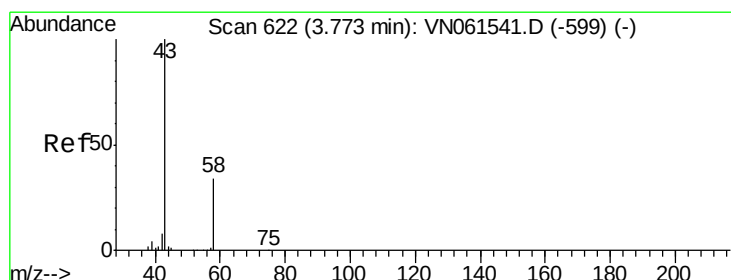
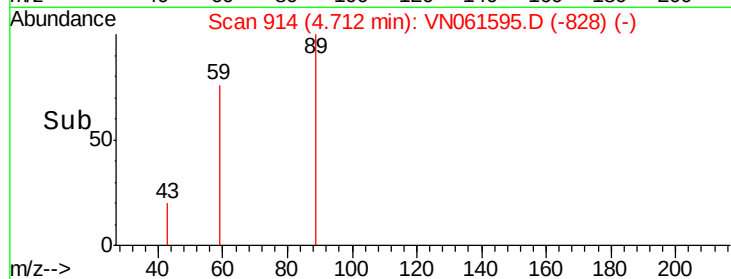
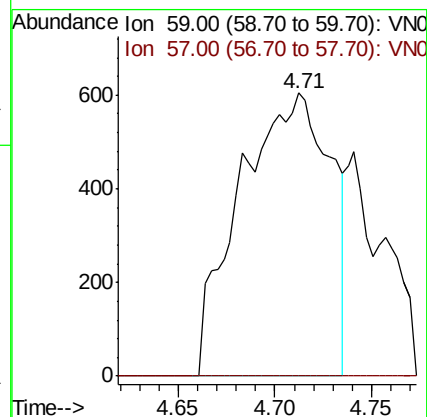
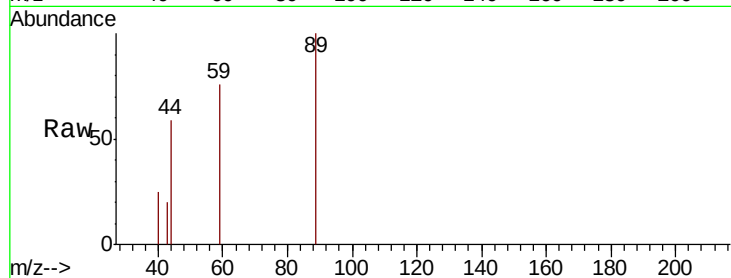
WP022MW102-200527

Tot Ion: 59 Resp: 1968

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061595.D

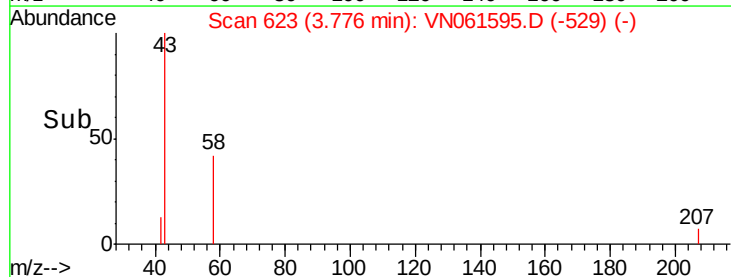
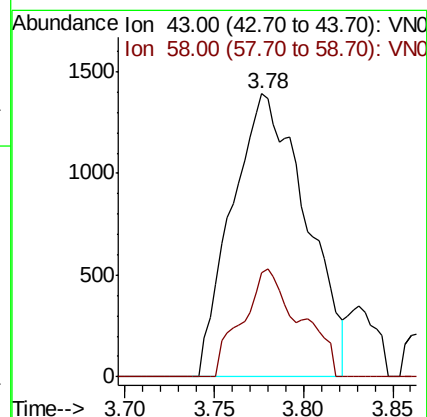
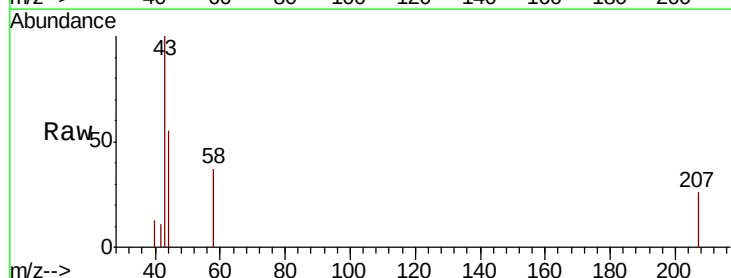
Acq: 1 Jun 2020 15:23

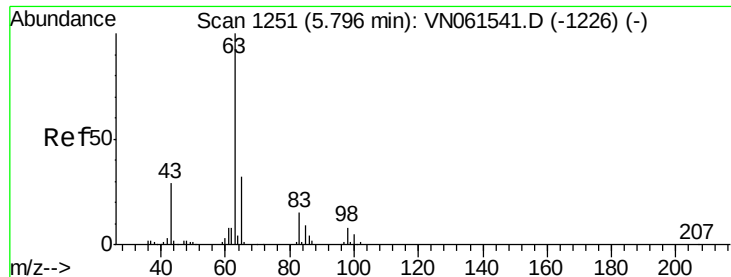
Tgt Ion: 43 Resp: 4012

Ion Ratio Lower Upper

43 100

58 36.9 27.2 40.8

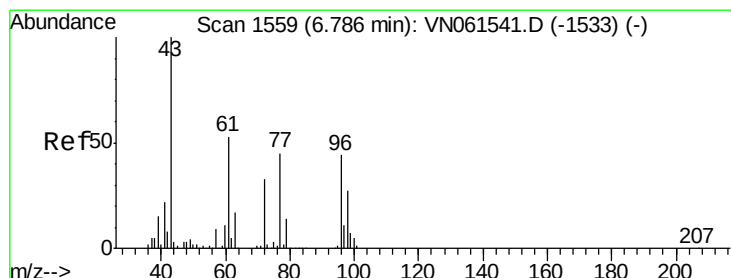
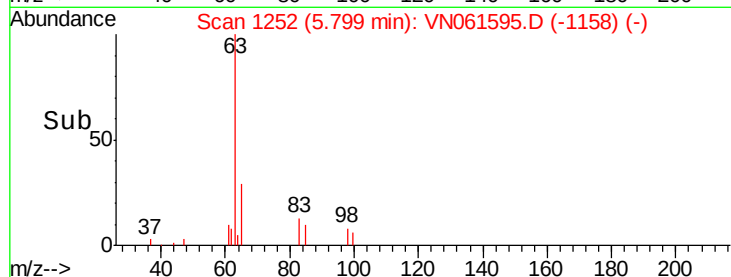
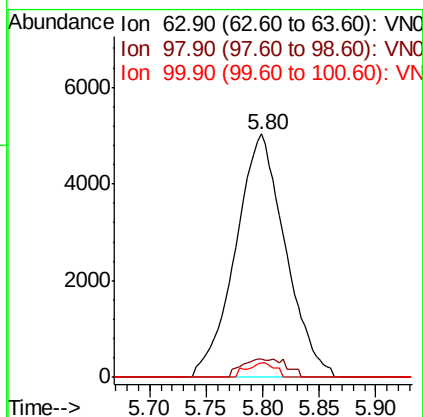
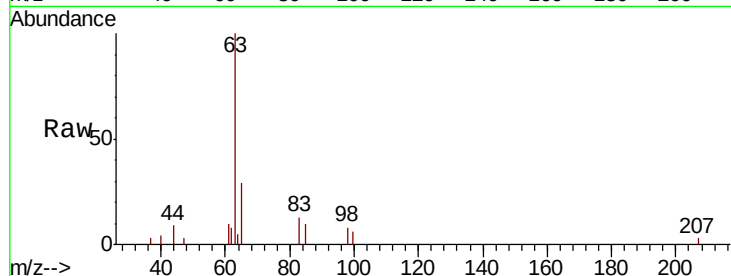




#24
 1,1-Dichloroethane
 Concen: 3.024 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

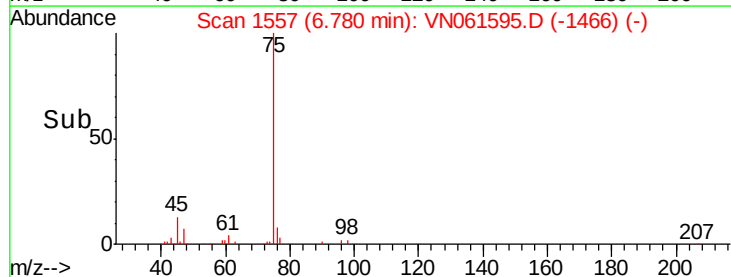
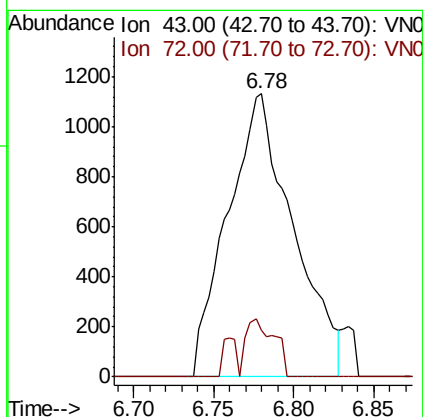
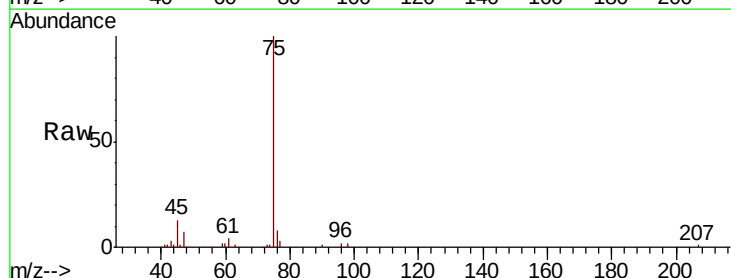
Instrument :
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 ClientSampleId :
 WP022MW102-200527

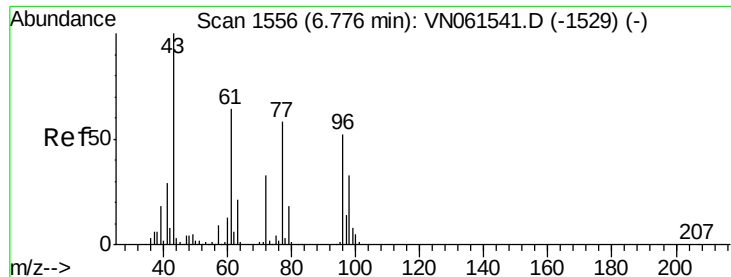
Tot Ion: 63 Resp: 15391
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.8 11.4
 100 6.0 2.5 7.6



#25
 2-Butanone
 Concen: 2.064 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

Tgt Ion: 43 Resp: 3177
 Ion Ratio Lower Upper
 43 100
 72 16.4 26.0 39.0#

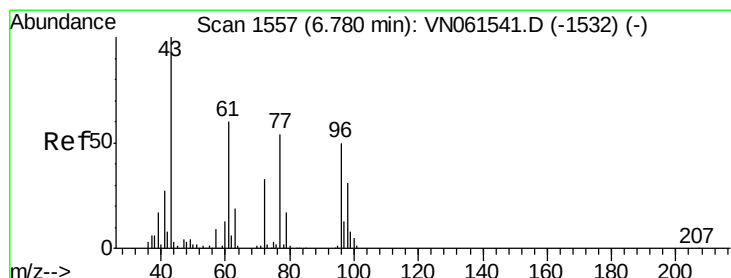
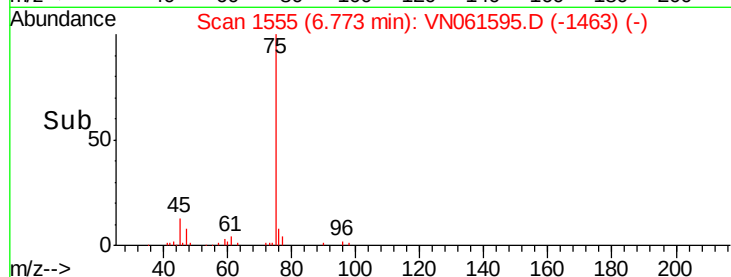
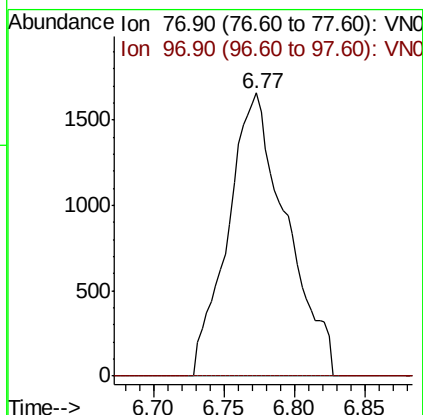
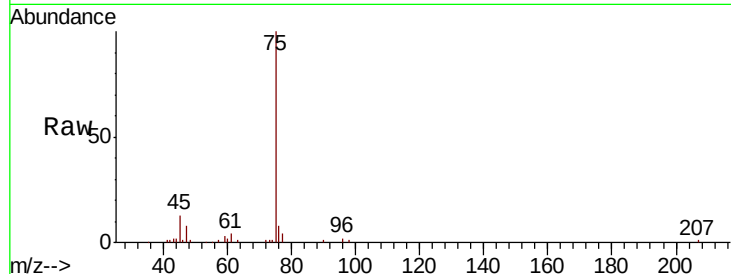




#26
 2,2-Dichloropropane
 Concen: 1.034 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

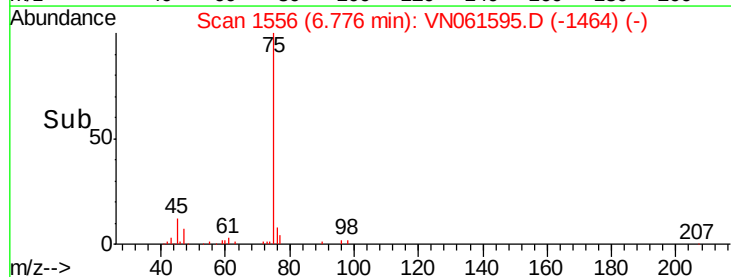
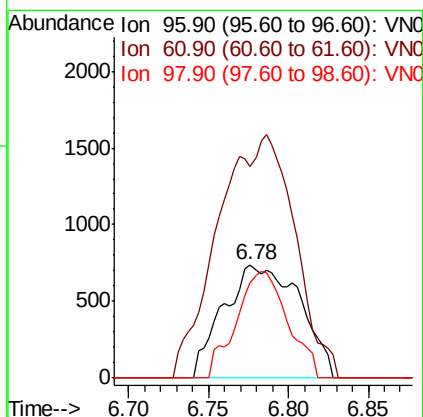
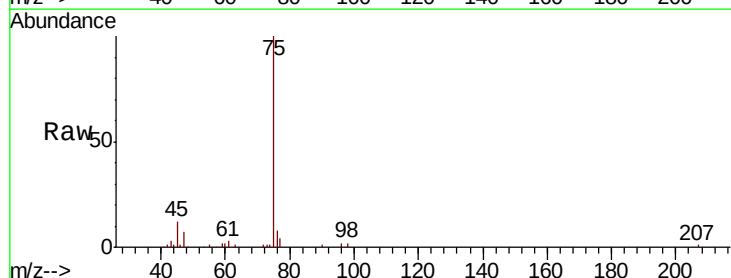
Instrument :
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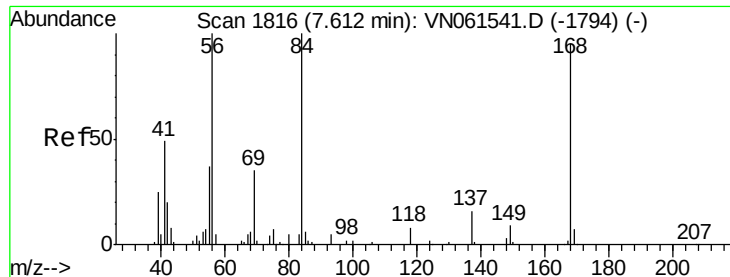
Tot Ion: 77 Resp: 4815
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.0 36.0#



#27
 cis-1,2-Dichloroethene
 Concen: 0.681 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

Tgt Ion: 96 Resp: 2424
 Ion Ratio Lower Upper
 96 100
 61 216.7 0.0 252.2
 98 63.1 0.0 129.2

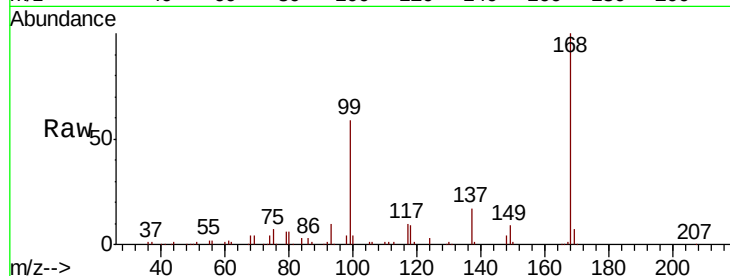




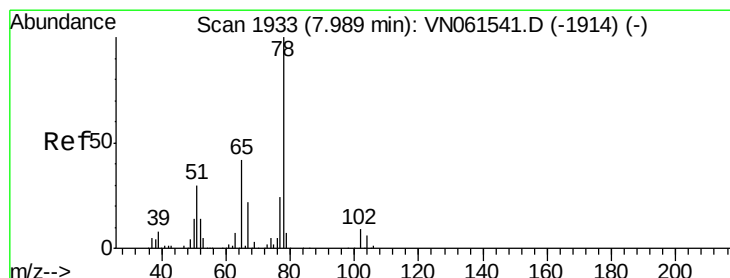
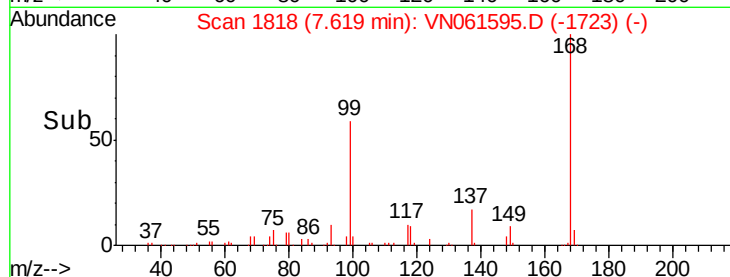
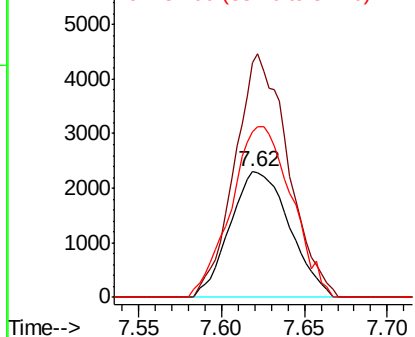
#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN061595.D
Acq: 1 Jun 2020 15:23

Instrument :
MSVOA_N
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Tot Ion: 56 Resp: 5730
Ion Ratio Lower Upper
56 100
69 186.2 27.8 41.8#
84 131.3 79.9 119.9#

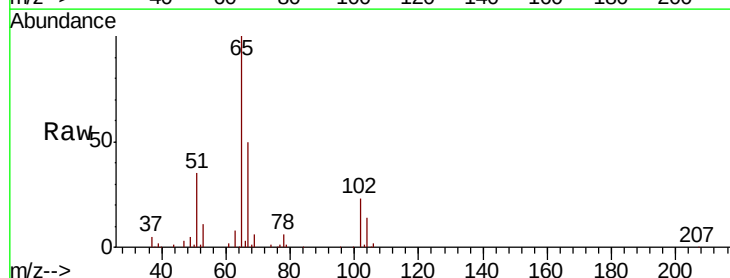


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

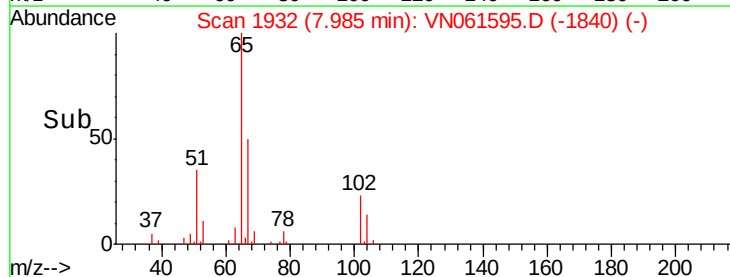
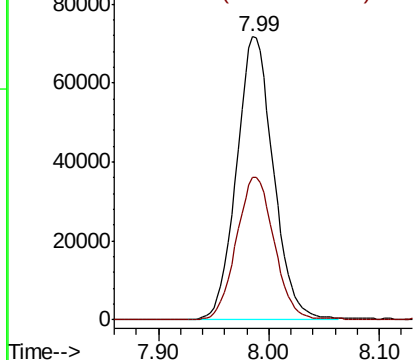


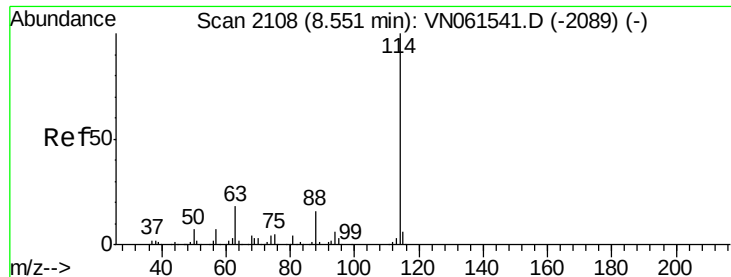
#33
1,2-Dichloroethane-d4
Concen: 51.066 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN061595.D
Acq: 1 Jun 2020 15:23

Tgt Ion: 65 Resp: 165845
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

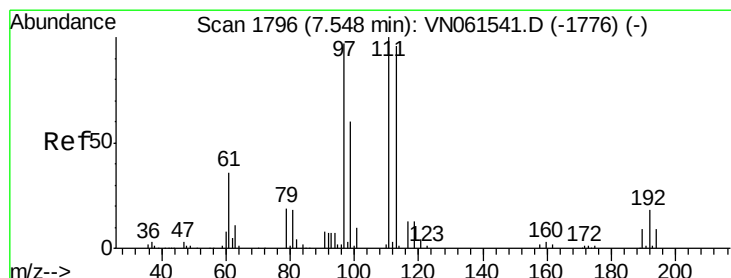
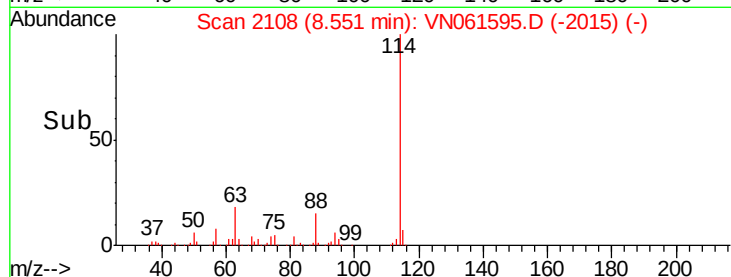
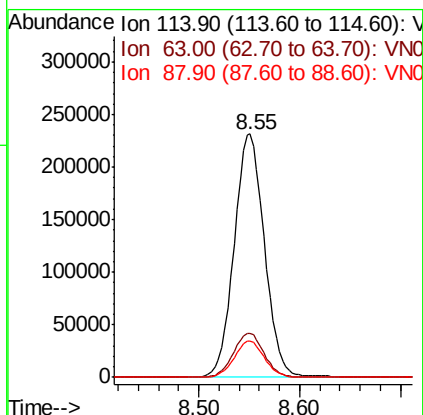
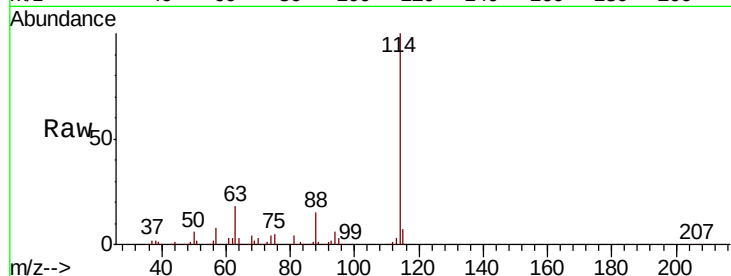




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

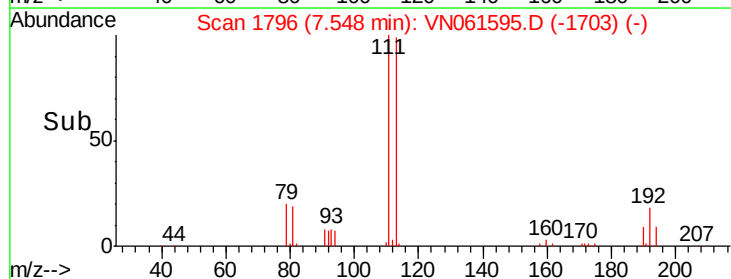
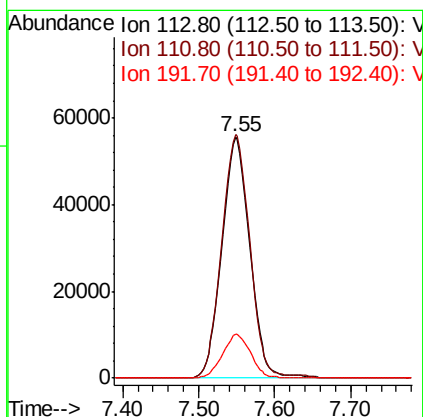
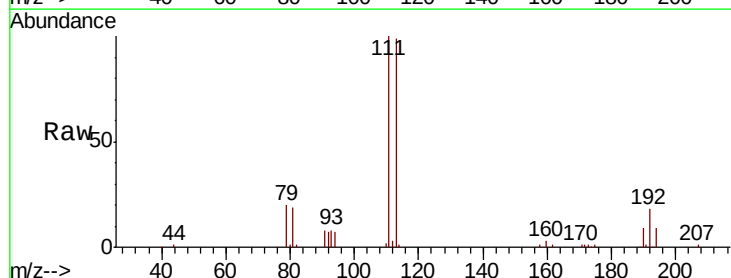
Instrument :
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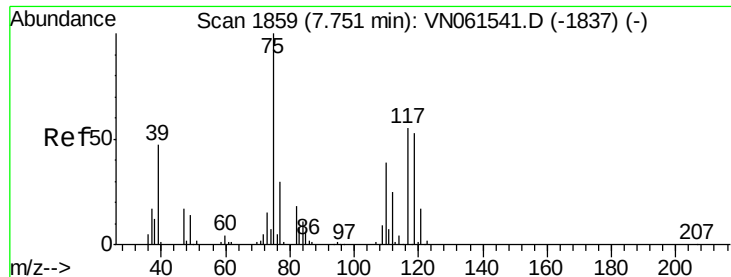
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	35.8
88	15.0	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 58.384 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.4	125.0
192	18.1	15.4	23.2

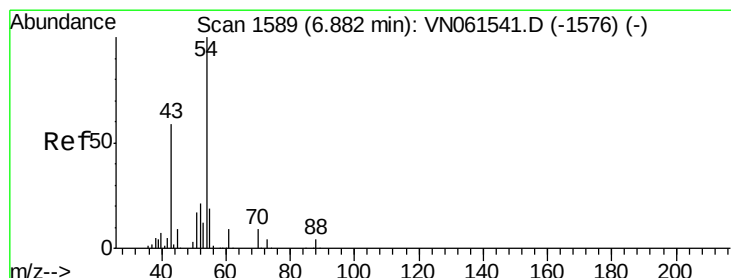
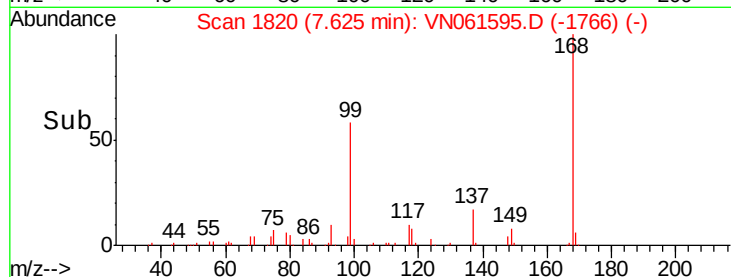
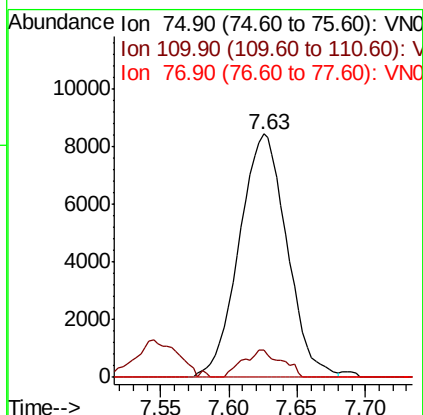
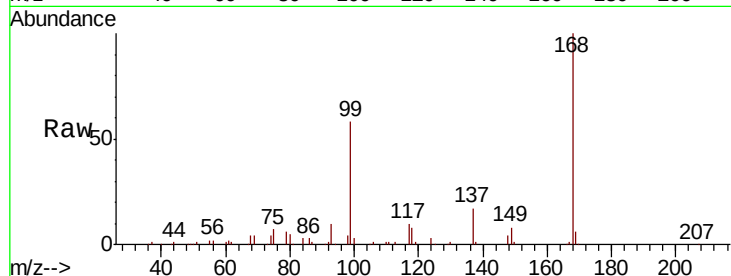




#36
 1,1-Dichloropropene
 Concen: 4.796 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

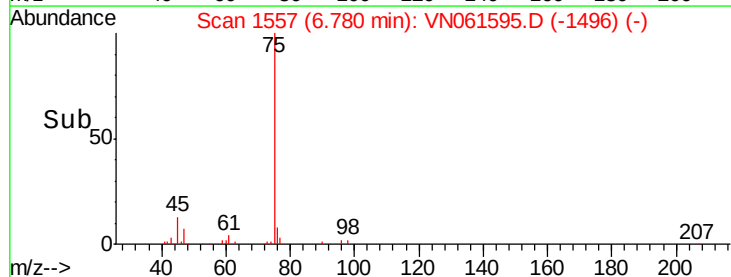
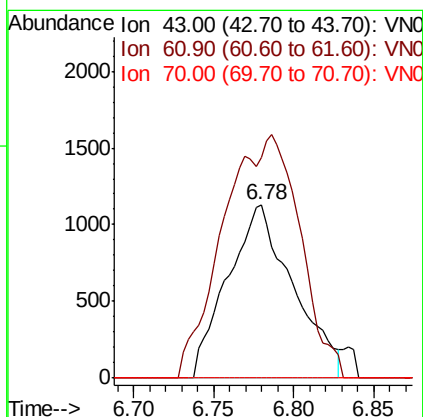
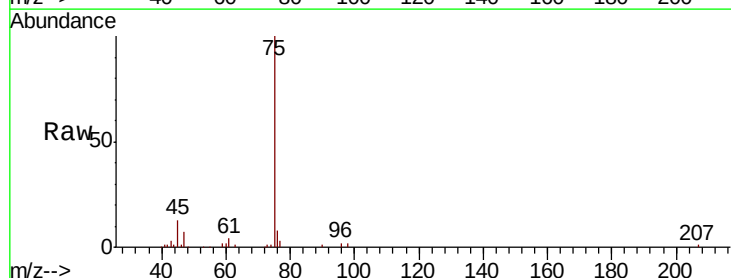
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW102-200527

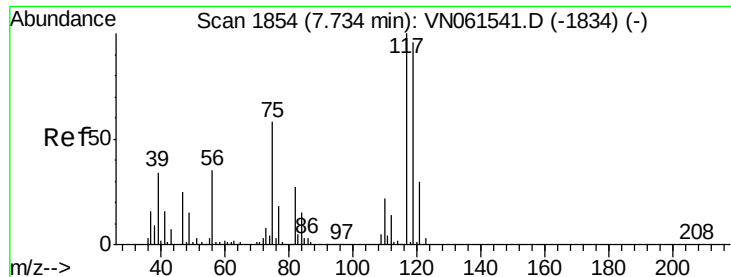
Tot Ion	75	Resp	20469
Ion Ratio	Lower	Upper	
75	100		
110	9.0	19.5	58.5#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 0.924 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

Tgt Ion	43	Resp	3177
Ion Ratio	Lower	Upper	
43	100		
61	165.3	12.2	18.4#
70	0.0	9.4	14.2#

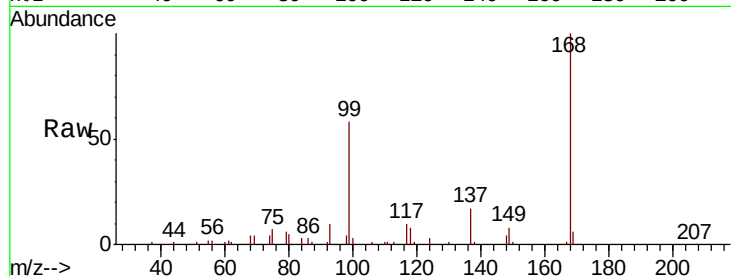




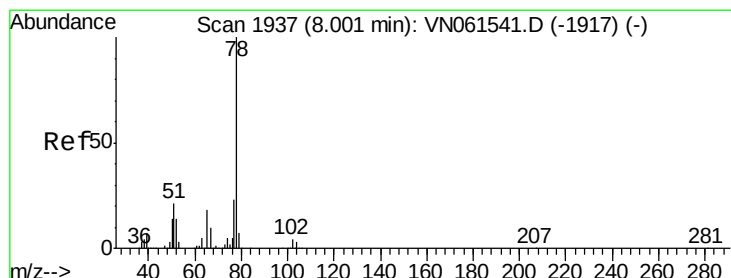
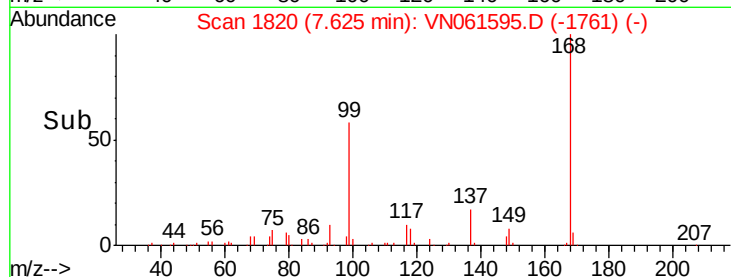
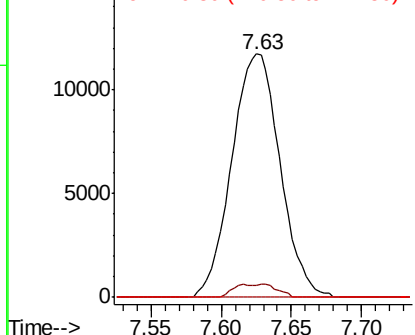
#38
Carbon Tetrachloride
Concen: 6.812 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061595.D
Acq: 1 Jun 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
WP022MW102-200527

Tot Ion:117 Resp: 28043
Ion Ratio Lower Upper
117 100
119 4.9 76.5 114.7#
121 0.0 24.1 36.1#

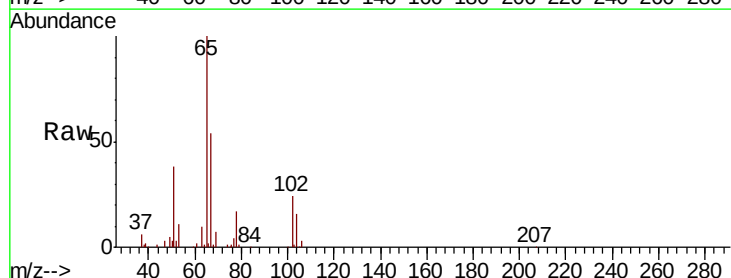


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

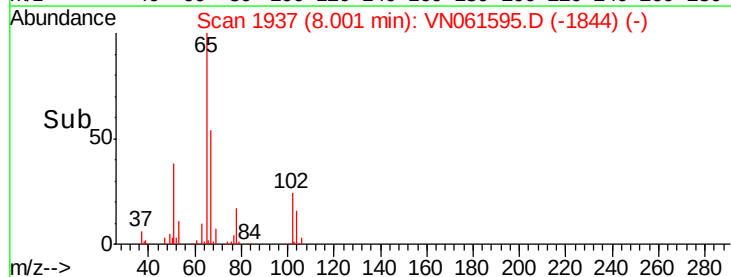
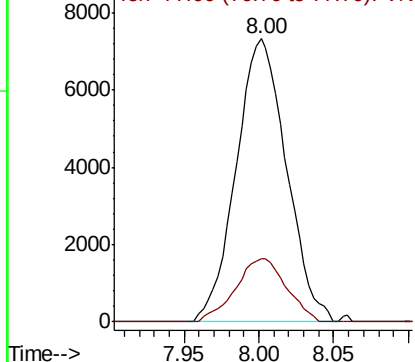


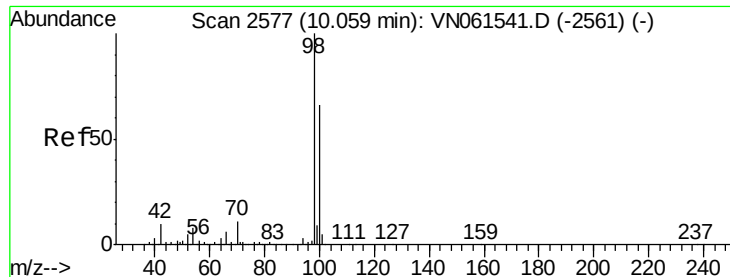
#40
Benzene
Concen: 1.300 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061595.D
Acq: 1 Jun 2020 15:23

Tgt Ion: 78 Resp: 17125
Ion Ratio Lower Upper
78 100
77 22.3 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#50

Toluene-d8

Concen: 51.006 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

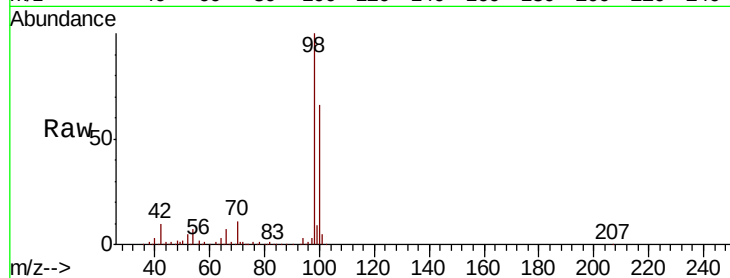
WP022MW102-200527

Tot Ion: 98 Resp: 578077

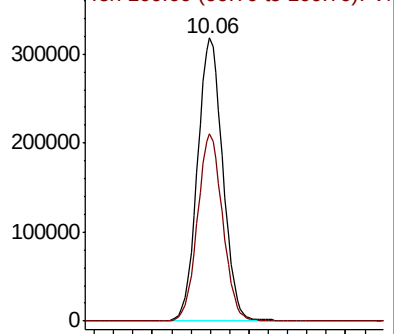
Ion Ratio Lower Upper

98 100

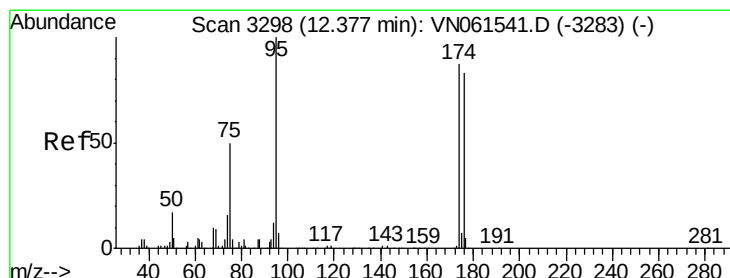
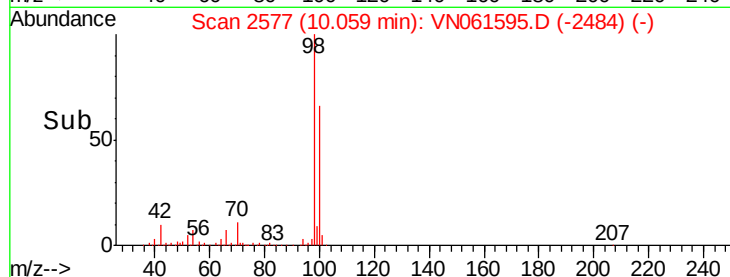
100 65.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 51.900 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

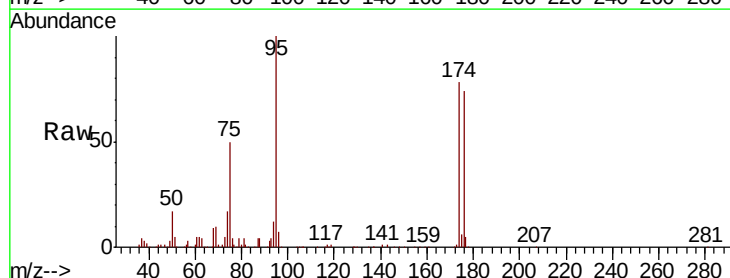
Tgt Ion: 95 Resp: 214599

Ion Ratio Lower Upper

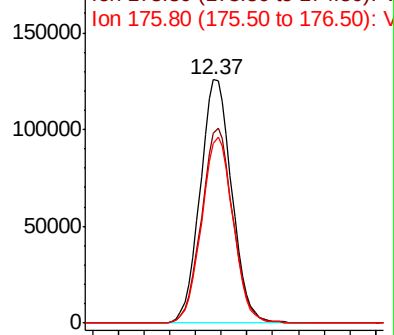
95 100

174 79.6 0.0 172.8

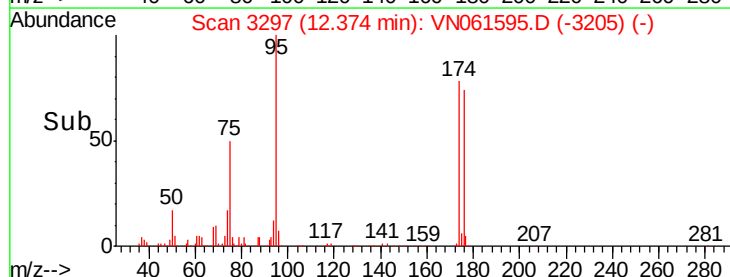
176 76.2 0.0 164.8

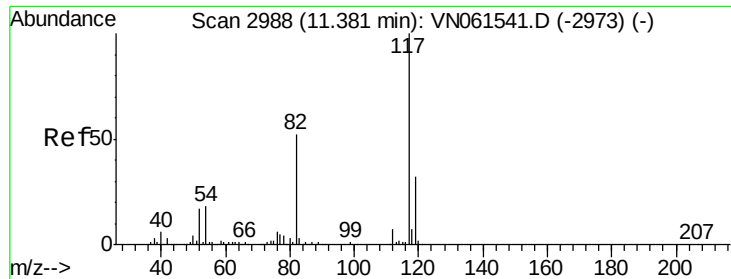


Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)



Time-->

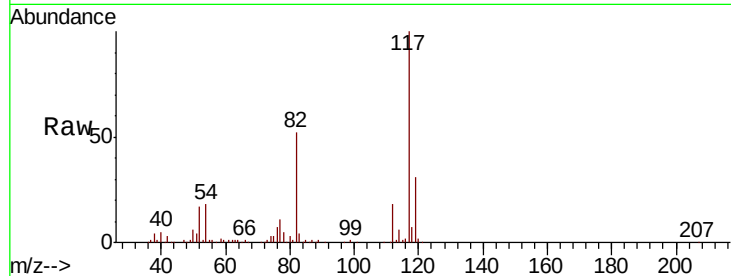




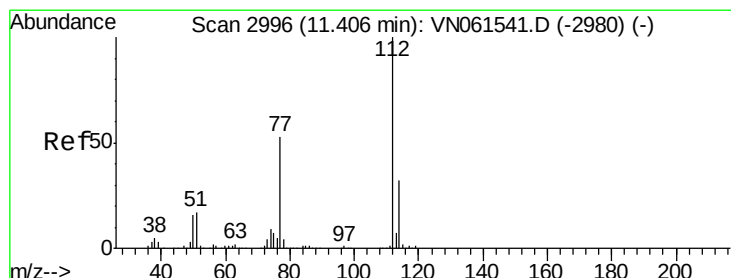
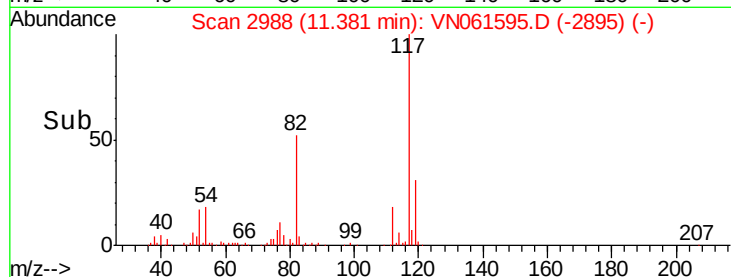
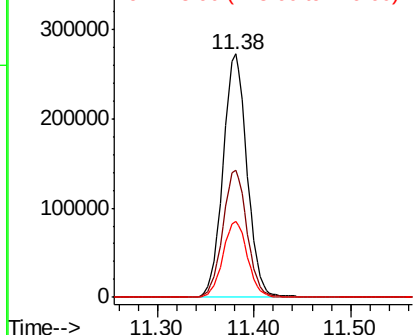
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061595.D
Acq: 1 Jun 2020 15:23

Instrument :
MSVOA_N
ClientSampleId :
WP022MW102-200527

Tot Ion:117 Resp: 469696
Ion Ratio Lower Upper
117 100
82 52.5 41.5 62.3
119 31.1 25.6 38.4

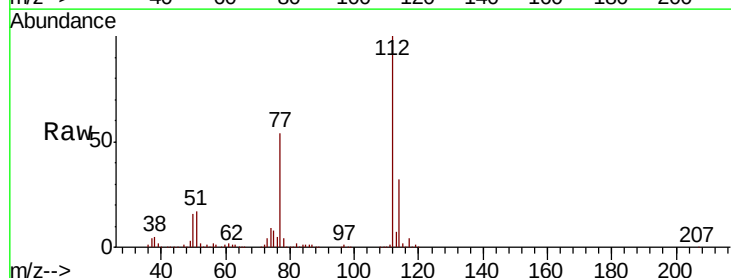


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

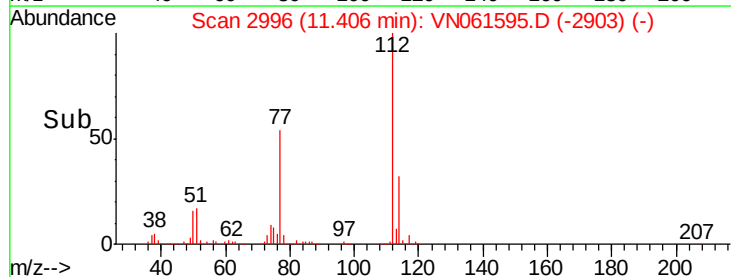
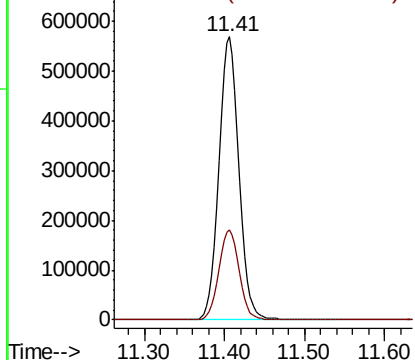


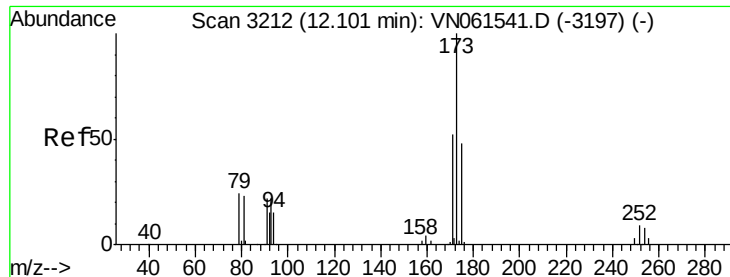
#65
Chlorobenzene
Concen: 101.120 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061595.D
Acq: 1 Jun 2020 15:23

Tgt Ion:112 Resp: 987259
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.560 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

WP022MW102-200527

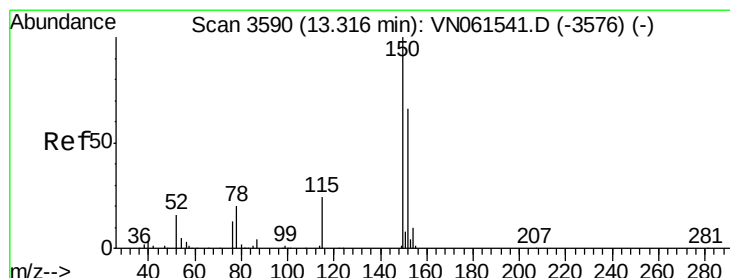
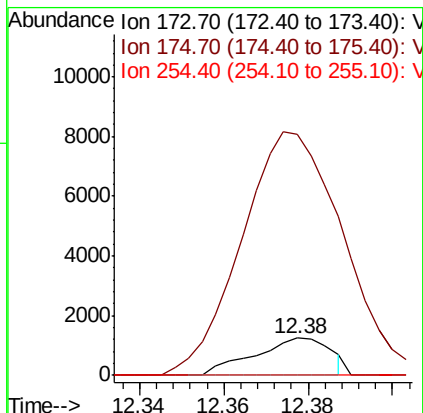
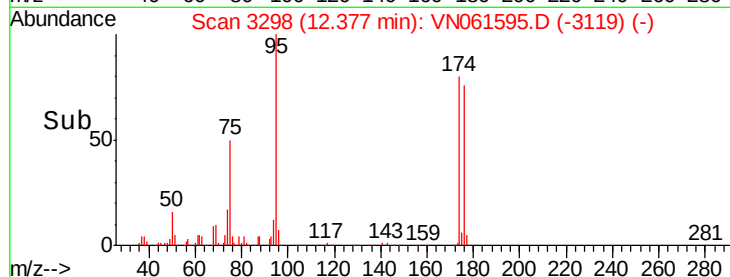
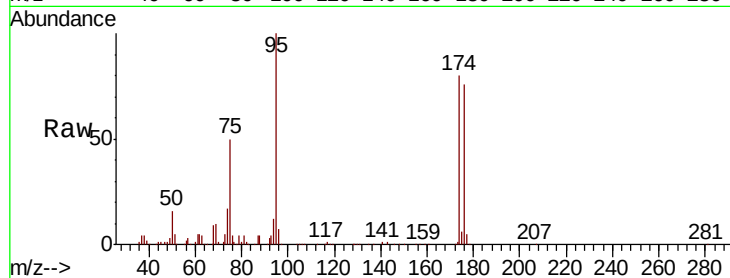
Tot Ion:173 Resp: 1570

Ion Ratio Lower Upper

173 100

175 748.0 24.4 73.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

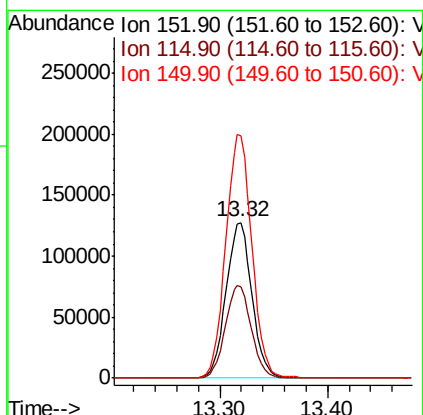
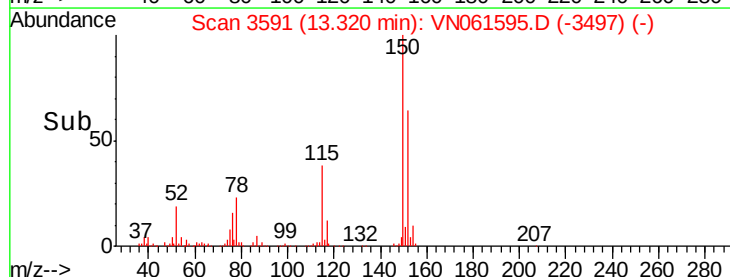
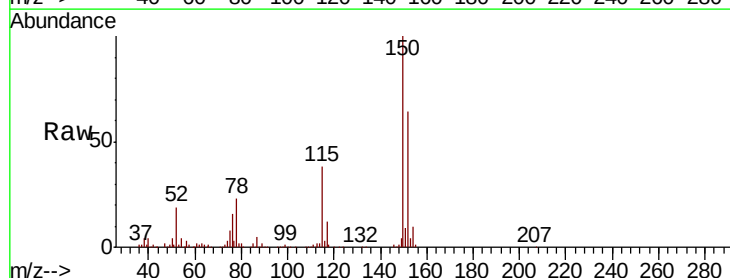
Tgt Ion:152 Resp: 212625

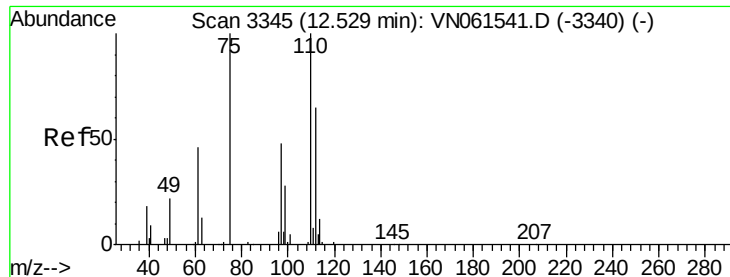
Ion Ratio Lower Upper

152 100

115 59.6 28.0 84.0

150 157.4 0.0 344.0





#76

1,2,3-Trichloropropane

Concen: 27.813 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

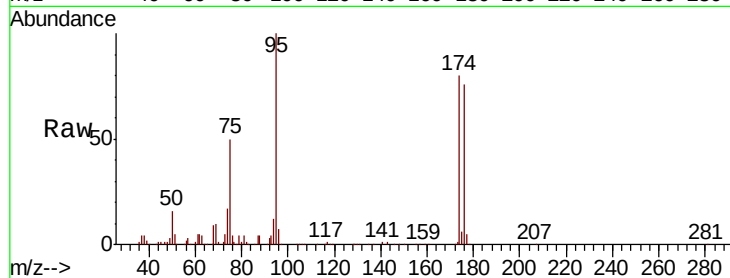
WP022MW102-200527

Tot Ion: 75 Resp: 107533

Ion Ratio Lower Upper

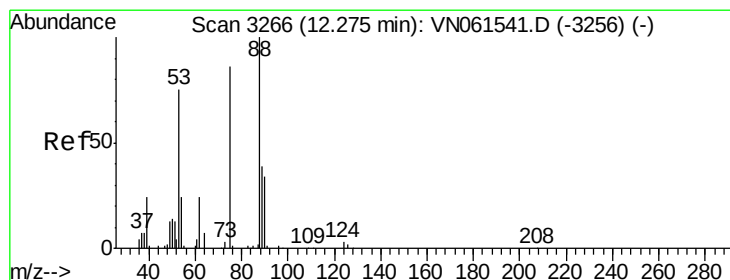
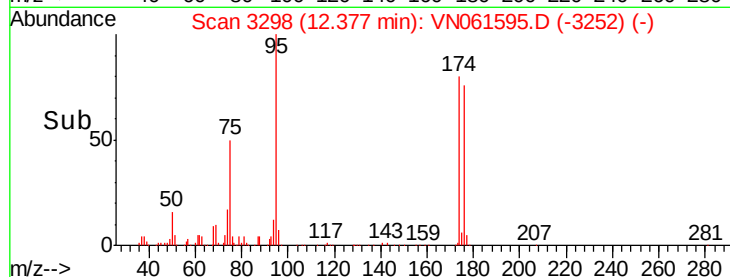
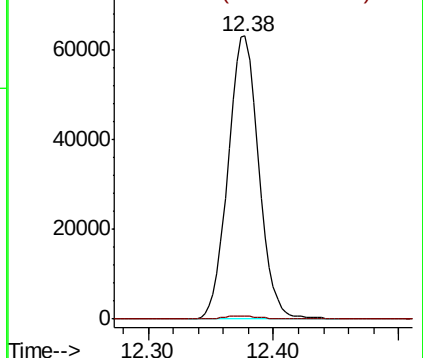
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.124 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

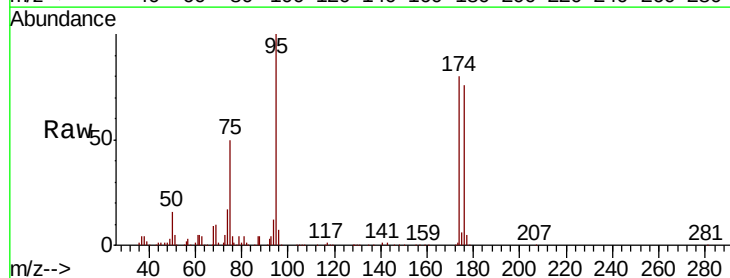
Tgt Ion: 75 Resp: 107533

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

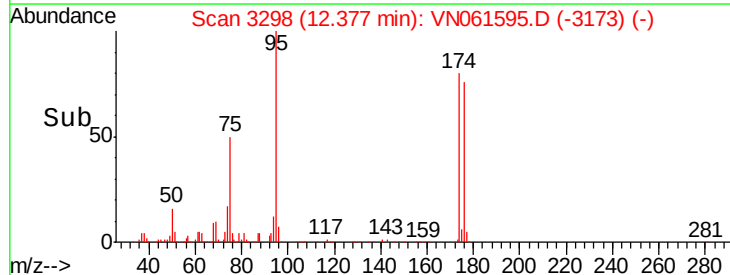
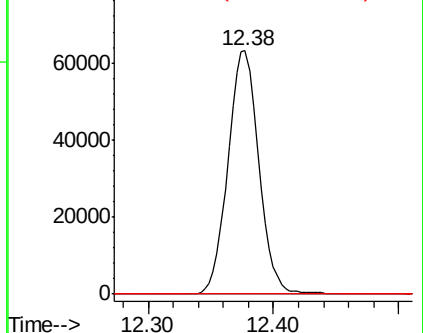
89 0.0 37.1 55.7#

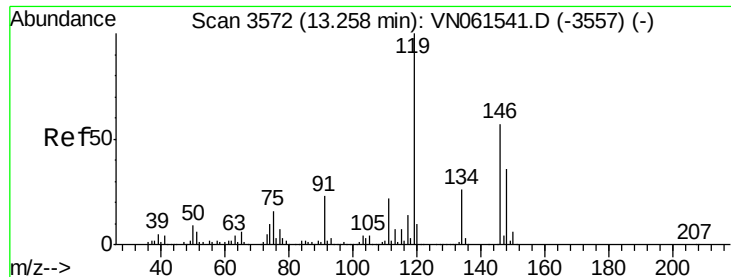


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

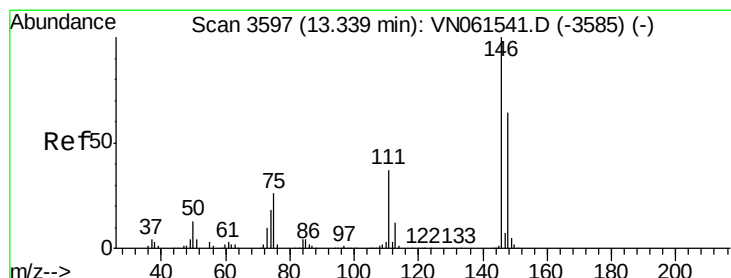
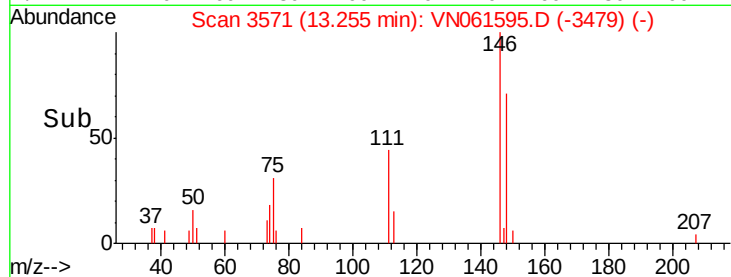
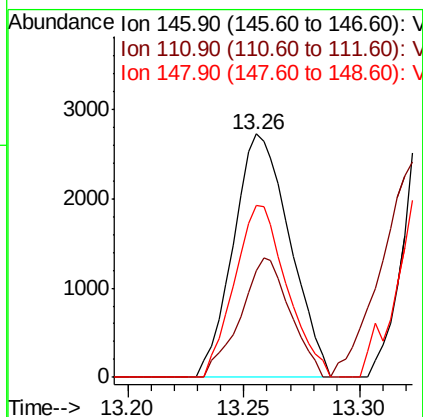
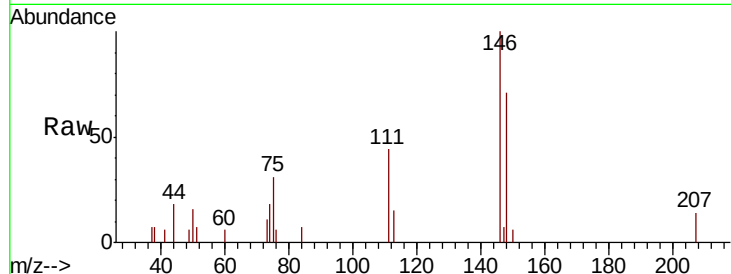




#87
 1,3-Dichlorobenzene
 Concen: 0.656 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

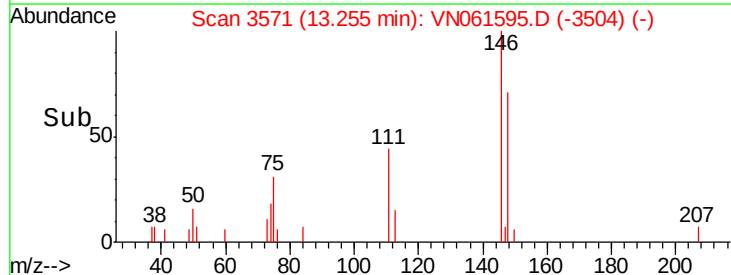
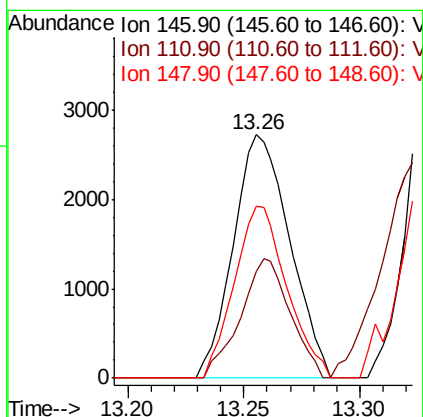
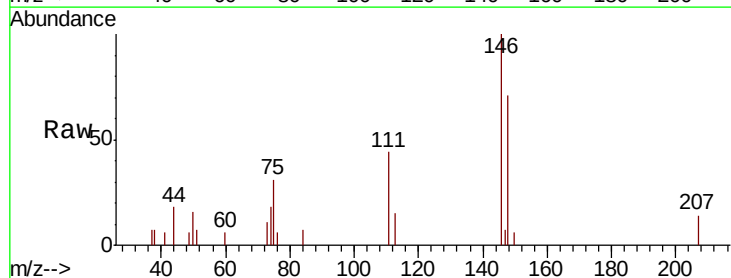
Instrument :
 MSVOA_N
 ClientSampleId :
 WP022MW102-200527

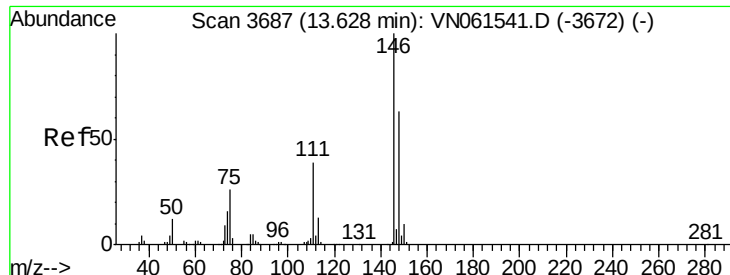
Tot Ion:146 Resp: 4603
 Ion Ratio Lower Upper
 146 100
 111 43.3 19.2 57.6
 148 65.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 0.644 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.08 min
 Lab File: VN061595.D
 Acq: 1 Jun 2020 15:23

Tgt Ion:146 Resp: 4603
 Ion Ratio Lower Upper
 146 100
 111 43.3 18.9 56.9
 148 65.5 31.8 95.3





#91

1,2-Dichlorobenzene

Concen: 1.756 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061595.D

Acq: 1 Jun 2020 15:23

Instrument :

MSVOA_N

ClientSampleId :

WP022MW102-200527

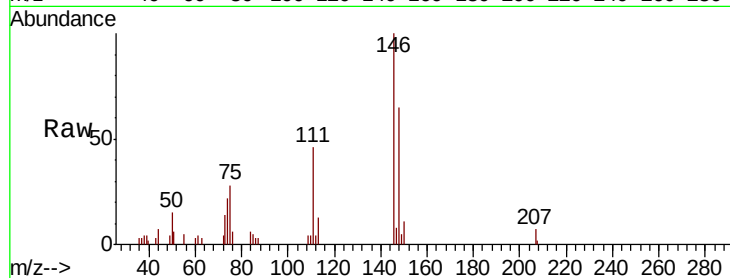
Tot Ion:146 Resp: 11774

Ion Ratio Lower Upper

146 100

111 44.0 20.1 60.2

148 66.5 31.9 95.5



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

