

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062029.D
 Acq On : 23 Jun 2020 4:22
 Operator : JC/MD
 Sample : L3033-10 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

Quant Time: Jun 23 07:12:23 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	156999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	287814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	276377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	103397	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	104075	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
35) Dibromofluoromethane	7.55	113	91955	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.06	98	367860	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.38	95	117969	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	116188	44.724	ug/l	99
6) Chloroethane	2.67	64	11626	6.612	ug/l	93
11) Tert butyl alcohol	4.72	59	59	0.202	ug/l #	74
12) 1,1-Dichloroethene	3.69	96	894	0.560	ug/l #	54
16) Acetone	3.78	43	17285	27.792	ug/l	99
18) Methyl Acetate	4.02	43	891	0.498	ug/l #	46
24) 1,1-Dichloroethane	5.79	63	1423	0.449	ug/l #	82
25) 2-Butanone	6.79	43	235752	259.802	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	50358	23.820	ug/l	91
29) Tetrahydrofuran	7.16	42	2332	3.905	ug/l #	74
31) Cyclohexane	7.63	56	3136	1.130	ug/l #	35
36) 1,1-Dichloropropene	7.63	75	13277	5.058	ug/l #	48
37) Ethyl Acetate	6.79	43	235752	115.000	ug/l #	75
38) Carbon Tetrachloride	7.63	117	15841	6.093	ug/l #	17
41) Methacrylonitrile	7.15	41	5752	6.562	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	579	0.214	ug/l #	73
48) Methyl methacrylate	9.01	41	692	0.440	ug/l #	37
49) 1,4-Dioxane	9.17	88	6798	188.464	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	59380	29.086	ug/l	98
52) Toluene	10.12	92	287280	57.522	ug/l	99
53) t-1,3-Dichloropropene	10.12	75	3052	1.020	ug/l #	1
56) Ethyl methacrylate	10.33	69	1253	3.296	ug/l #	17
59) 2-Hexanone	10.69	43	808	13.876	ug/l #	20
65) Chlorobenzene	11.40	112	1853	0.318	ug/l	96
67) Ethyl Benzene	11.49	91	4509	0.461	ug/l	96
68) m/p-Xylenes	11.59	106	3530	0.936	ug/l	89
69) o-Xylene	11.92	106	1385	0.385	ug/l	97
71) Bromoform	12.38	173	1024	0.690	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	58391	28.765	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	58391	78.454	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.01	105	3755	0.626	ug/l	94
85) sec-Butylbenzene	13.01	105	3755	0.557	ug/l #	56
87) 1,3-Dichlorobenzene	13.34	146	3680	1.088	ug/l	87
88) 1,4-Dichlorobenzene	13.34	146	3680	1.063	ug/l	86

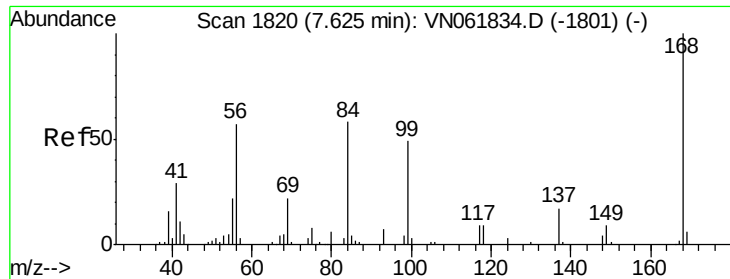
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.63	146	18378	5.646	ug/l	95
95) Naphthalene	15.11	128	3104	4.045	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

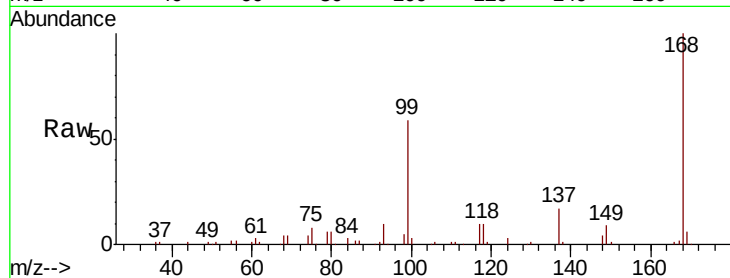
Z1-DUP-0572-200616

Tot Ion:168 Resp: 156999

Ion Ratio Lower Upper

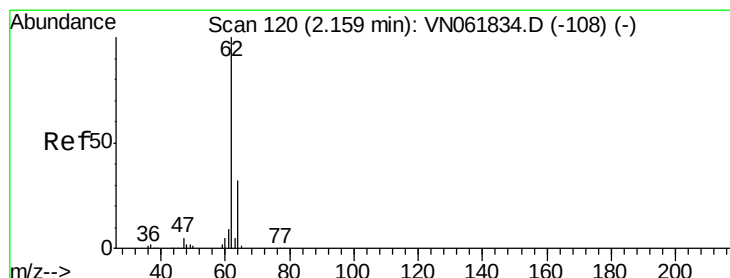
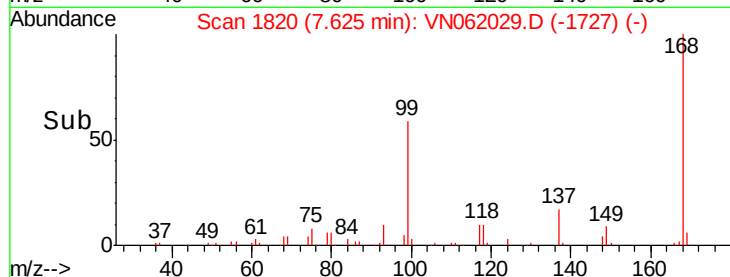
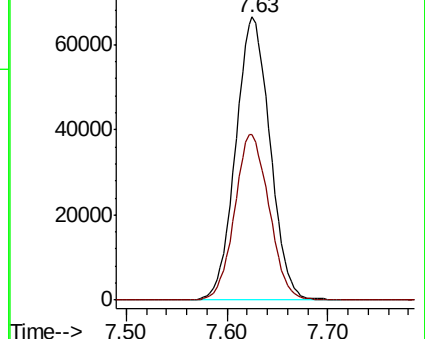
168 100

99 58.5 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 44.724 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN062029.D

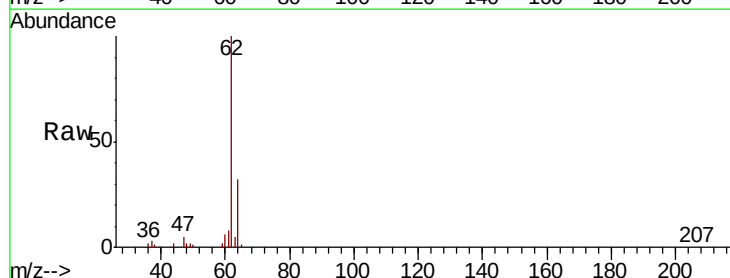
Acq: 23 Jun 2020 4:22

Tgt Ion: 62 Resp: 116188

Ion Ratio Lower Upper

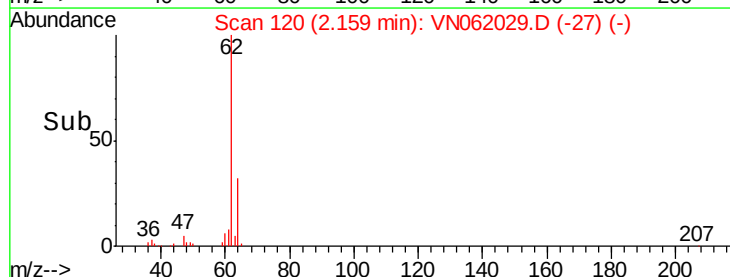
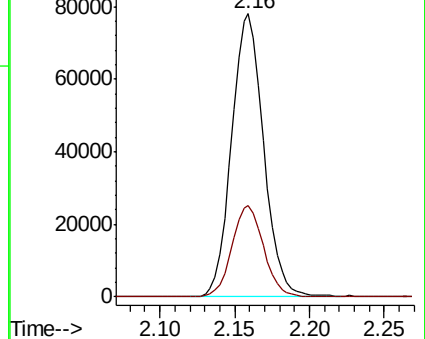
62 100

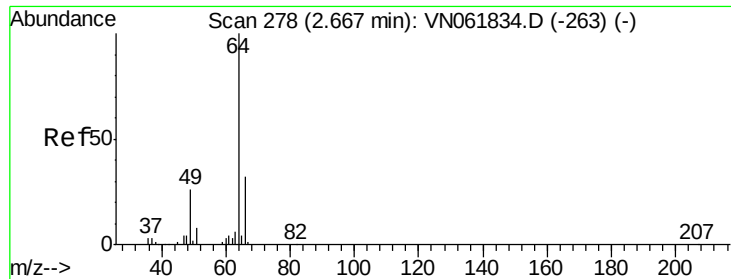
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#6

Chloroethane

Concen: 6.612 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.01 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

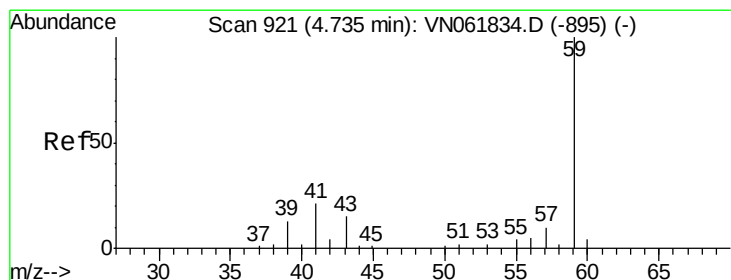
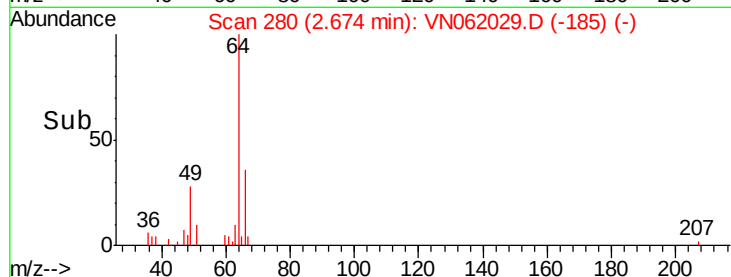
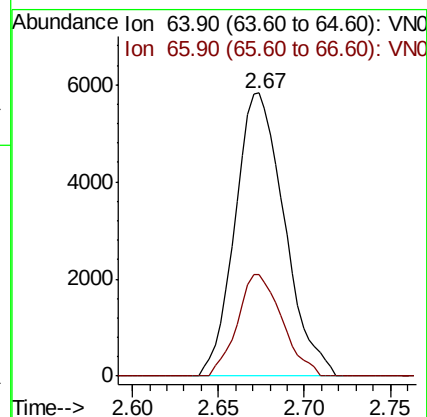
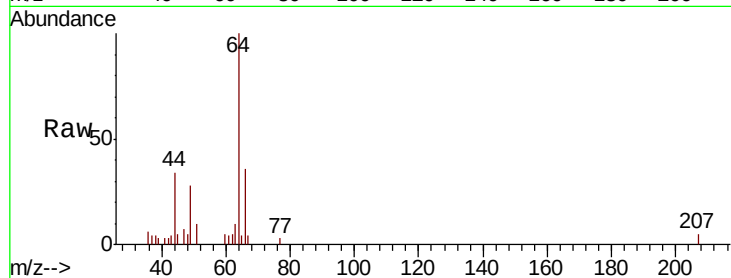
Z1-DUP-0572-200616

Tot Ion: 64 Resp: 11626

Ion Ratio Lower Upper

64 100

66 35.9 25.4 38.2



#11

Tert butyl alcohol

Concen: 0.202 ug/l

RT: 4.72 min Scan# 917

Delta R.T. -0.01 min

Lab File: VN062029.D

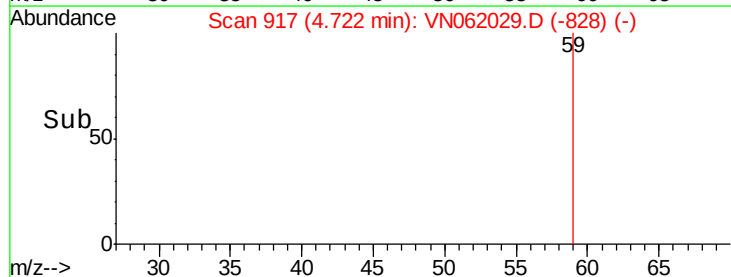
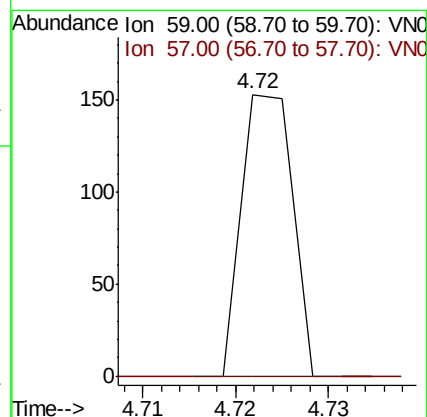
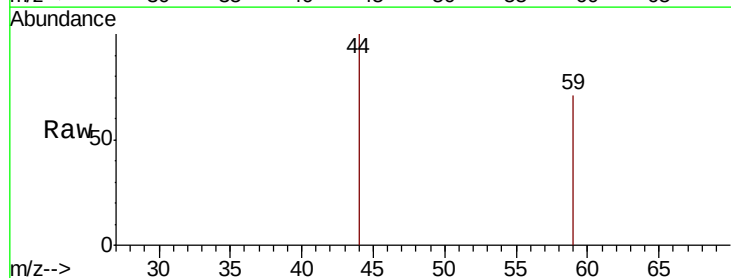
Acq: 23 Jun 2020 4:22

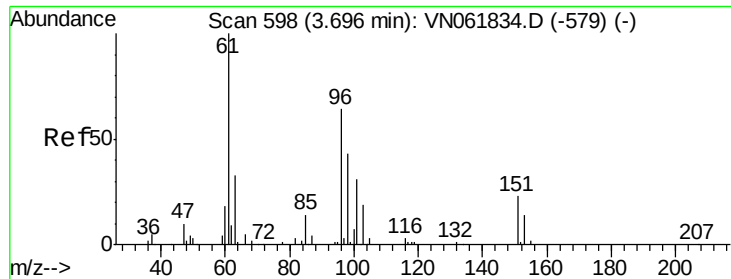
Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#





#12

1,1-Dichloroethene

Concen: 0.560 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.01 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0572-200616

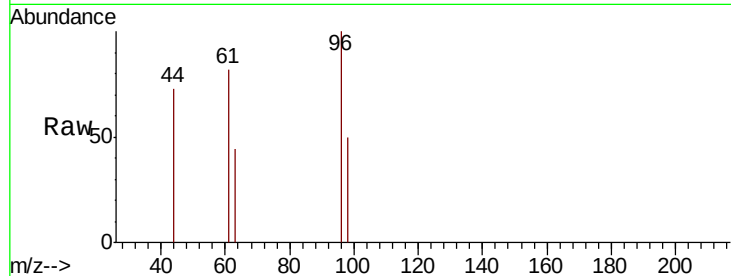
Tot Ion: 96 Resp: 894

Ion Ratio Lower Upper

96 100

61 81.6 124.3 186.5#

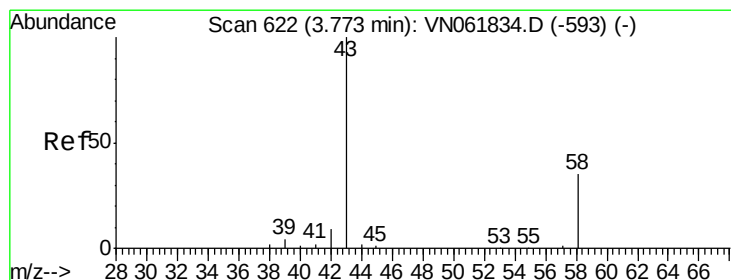
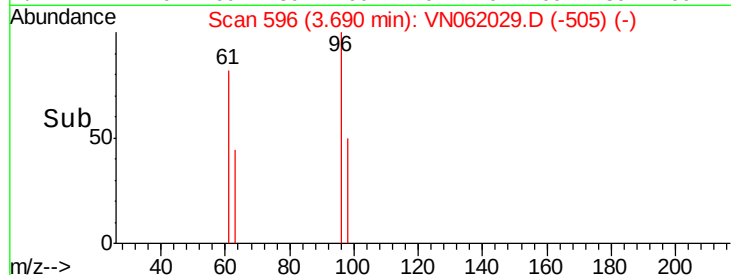
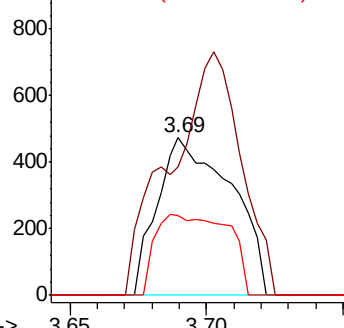
98 50.3 53.1 79.7#



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



#16

Acetone

Concen: 27.792 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062029.D

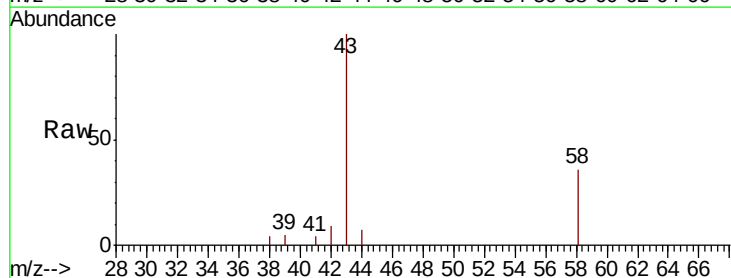
Acq: 23 Jun 2020 4:22

Tgt Ion: 43 Resp: 17285

Ion Ratio Lower Upper

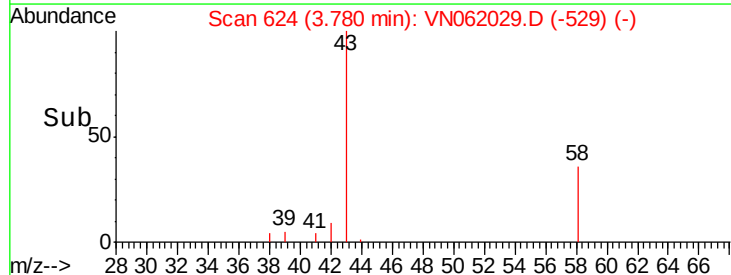
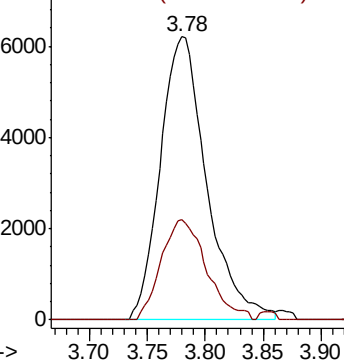
43 100

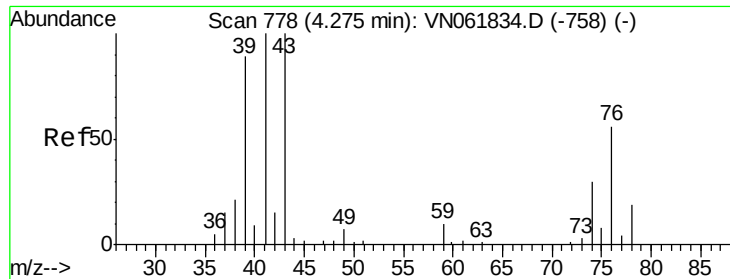
58 35.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

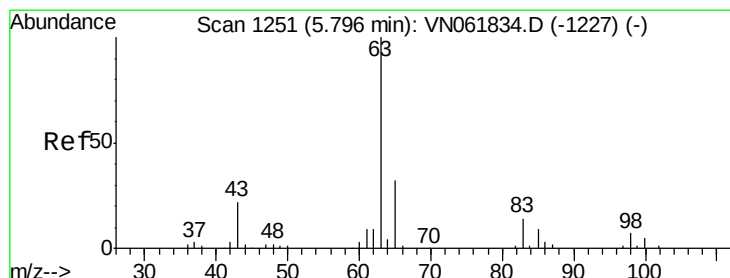
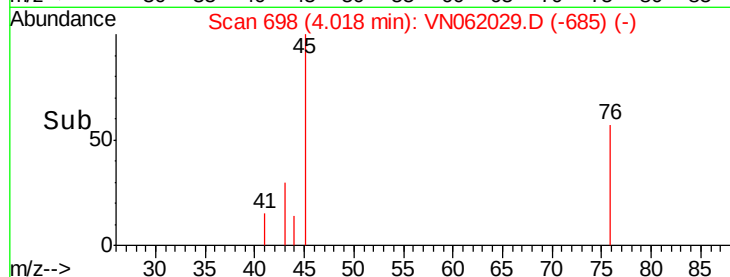
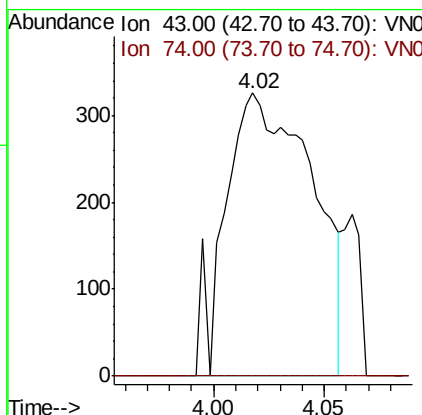
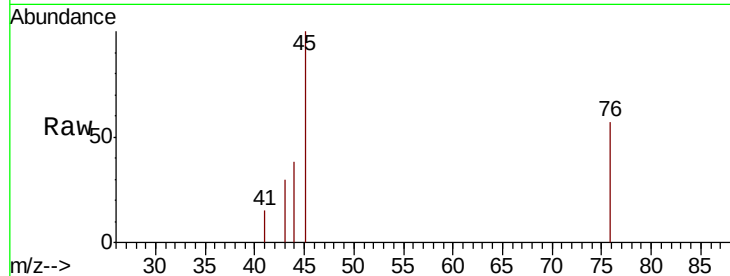




#18
Methvl Acetate
Concen: 0.498 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.26 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

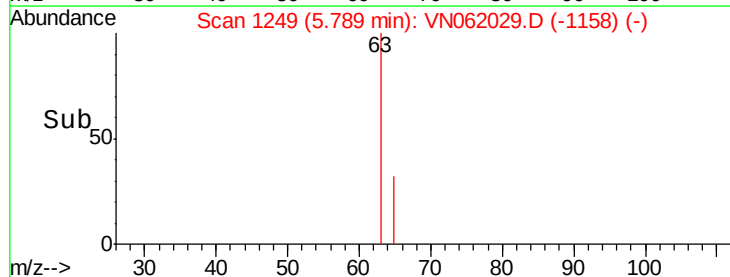
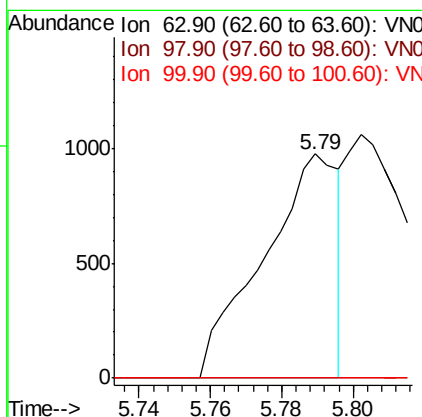
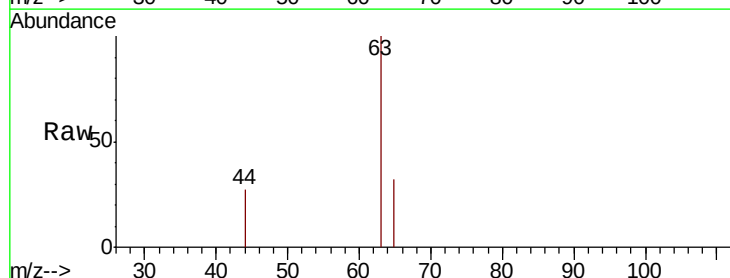
Instrument :
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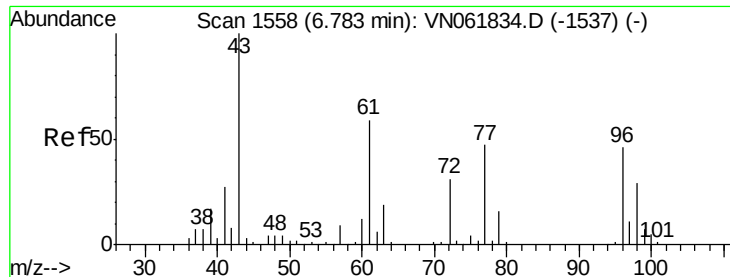
Tot Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#24
1,1-Dichloroethane
Concen: 0.449 ug/l
RT: 5.79 min Scan# 1249
Delta R.T. -0.01 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion: 63 Resp: 1423
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.4#

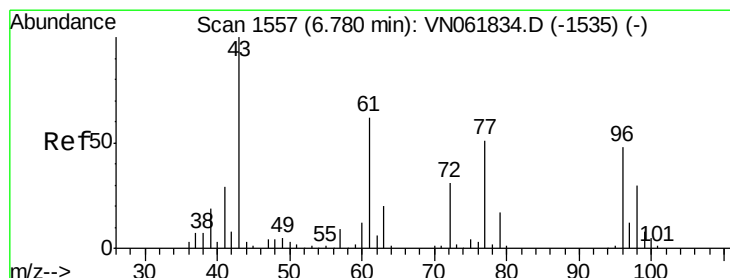
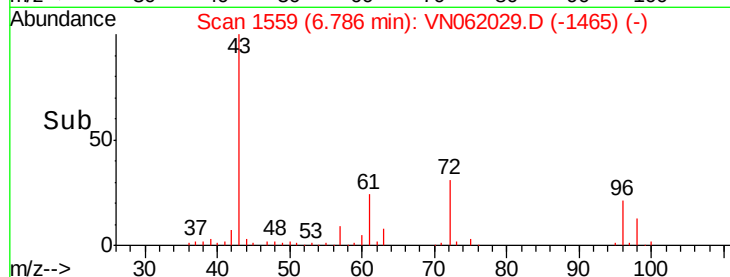
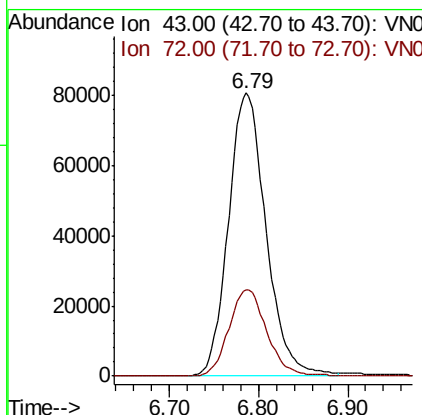
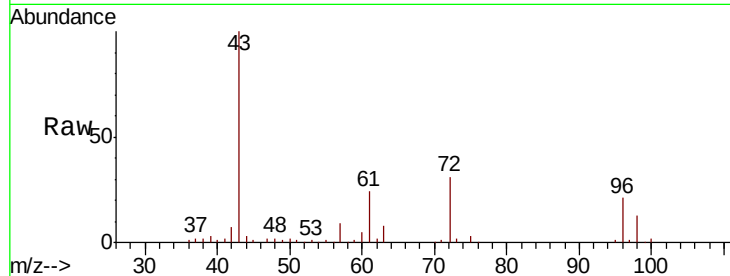




#25
2-Butanone
Concen: 259.802 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

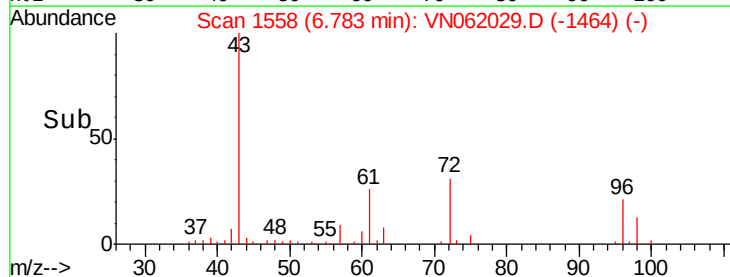
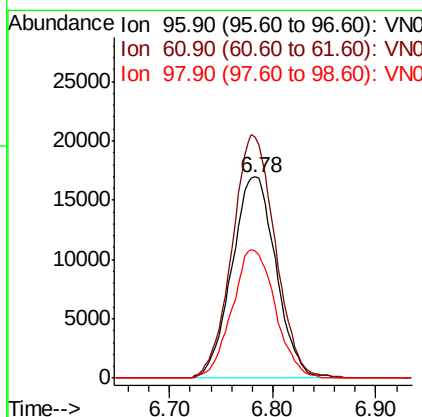
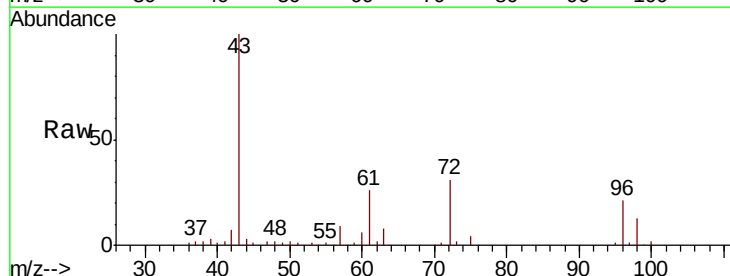
Instrument :
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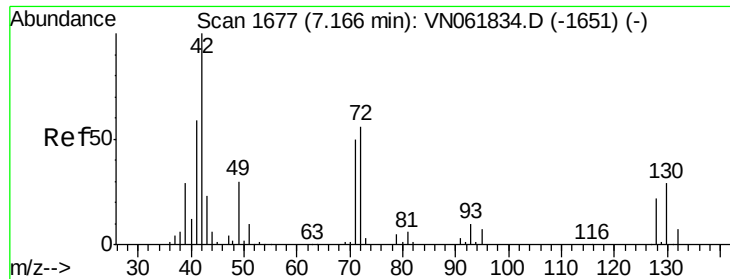
Tot Ion: 43 Resp: 235752
Ion Ratio Lower Upper
43 100
72 30.6 24.6 37.0



#27
cis-1,2-Dichloroethene
Concen: 23.820 ug/l
RT: 6.78 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion: 96 Resp: 50358
Ion Ratio Lower Upper
96 100
61 118.3 0.0 265.6
98 62.6 0.0 128.2

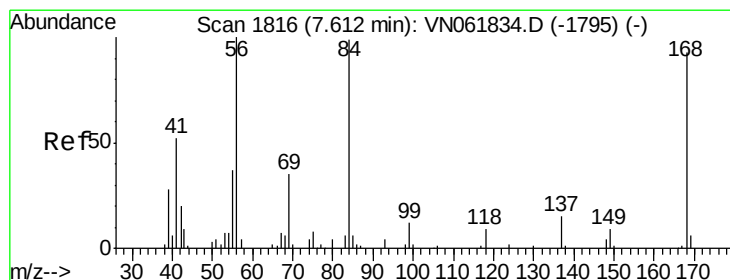
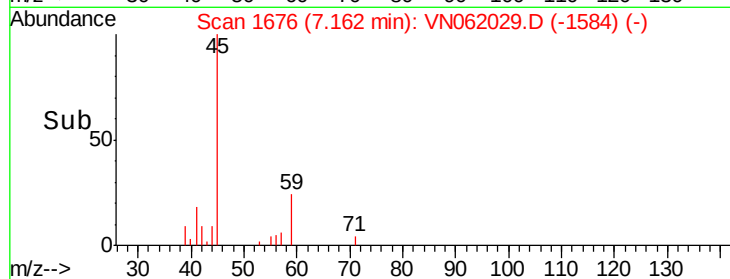
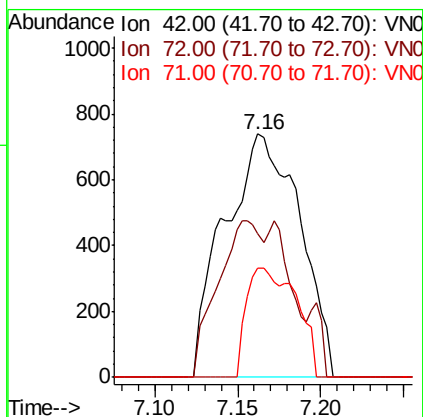
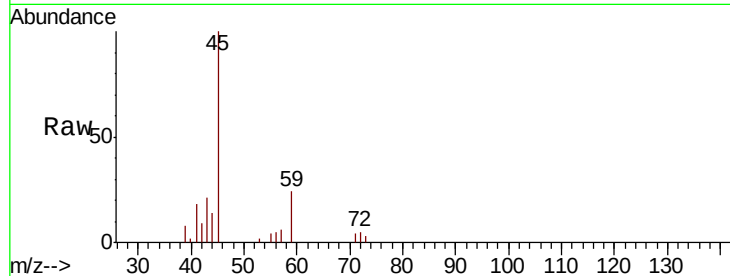




#29
Tetrahydrofuran
Concen: 3.905 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

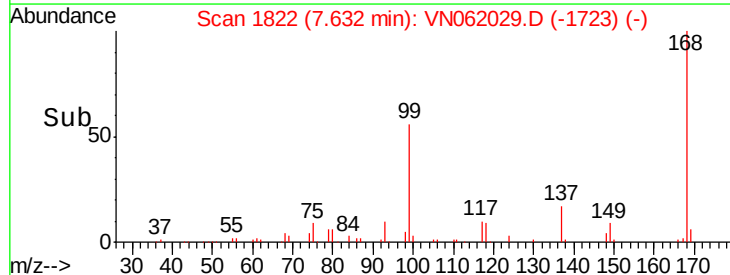
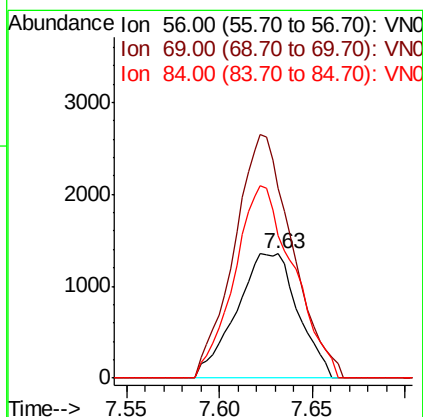
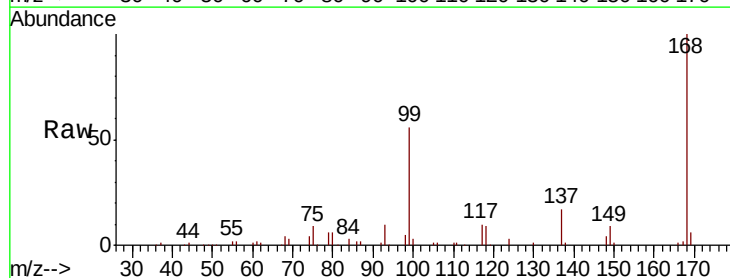
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

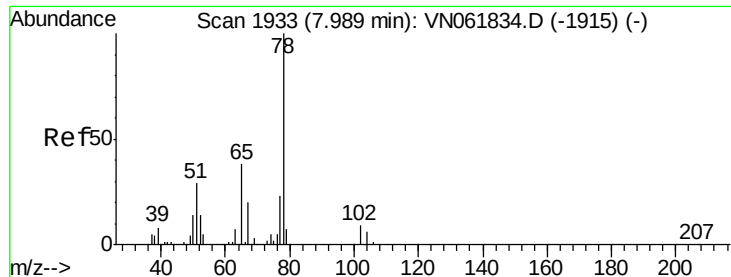
Tot Ion: 42 Resp: 2332
Ion Ratio Lower Upper
42 100
72 37.9 44.0 66.0#
71 29.8 40.0 60.0#



#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion: 56 Resp: 3136
Ion Ratio Lower Upper
56 100
69 152.3 27.7 41.5#
84 115.0 79.1 118.7

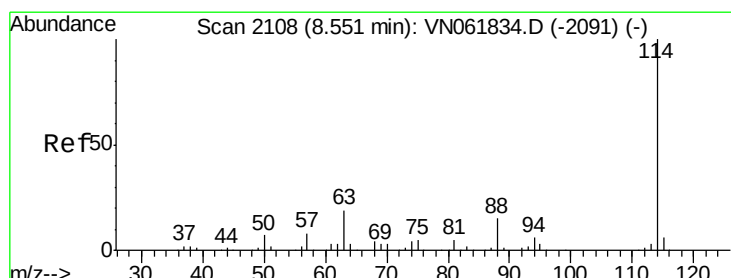
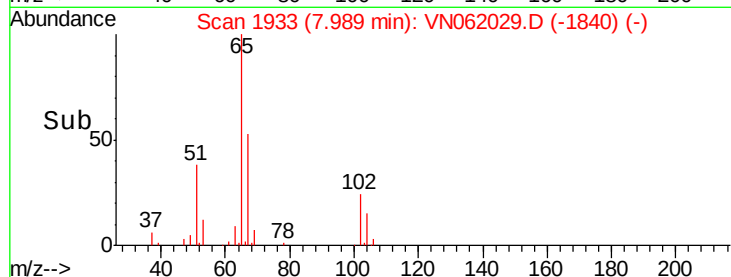
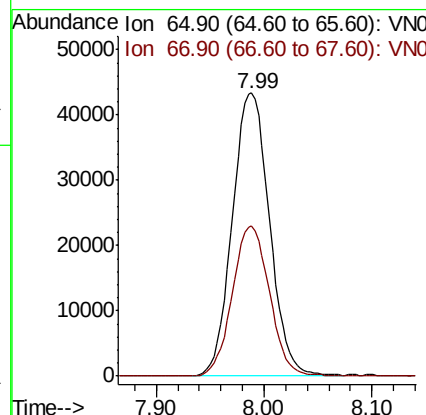
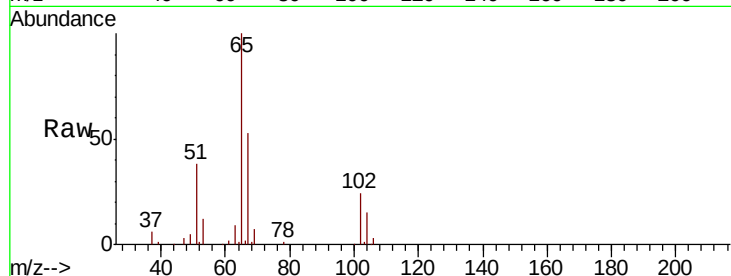




#33
 1,2-Dichloroethane-d4
 Concen: 49.428 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

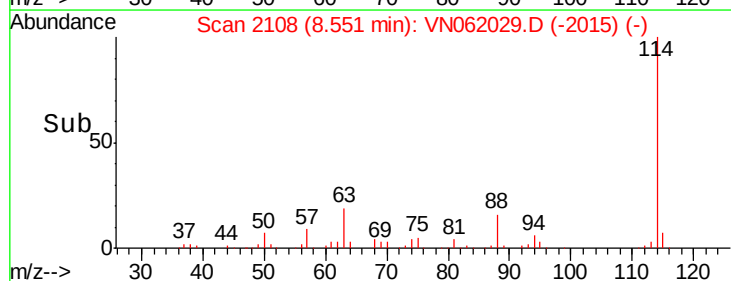
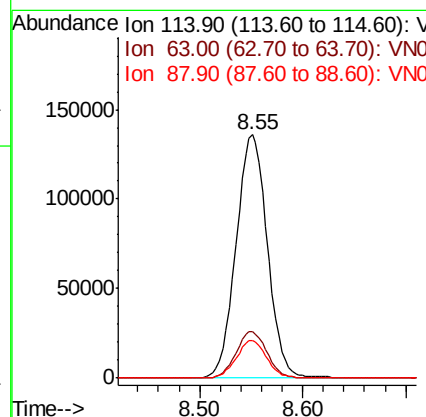
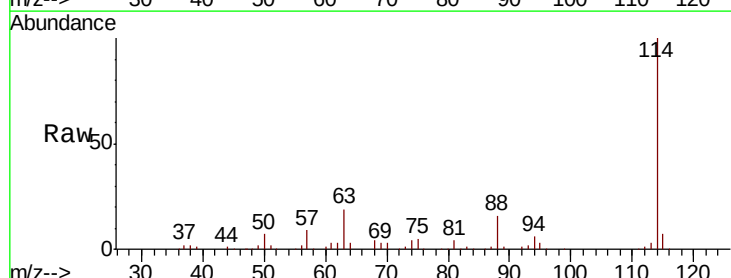
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

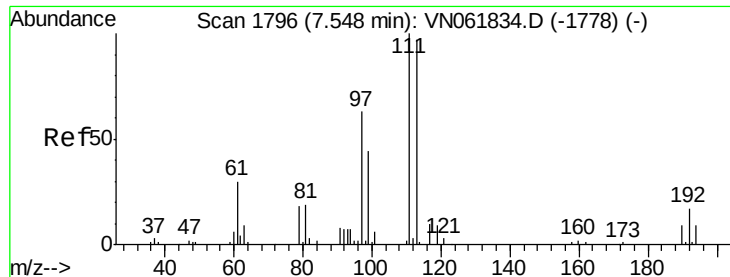
Tot Ion: 65 Resp: 104075
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Tgt Ion: 114 Resp: 287814
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.6
 88 15.6 0.0 31.0

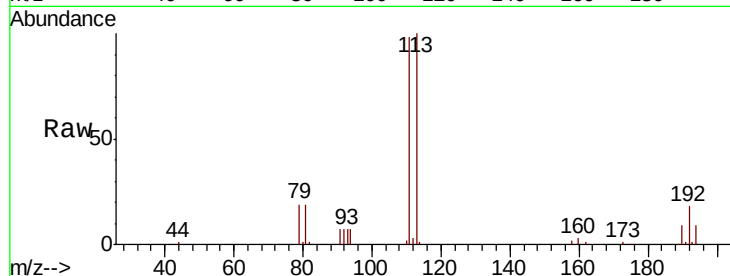




#35
 Dibromofluoromethane
 Concen: 49.941 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	83.7	125.5
192	17.3	13.9	20.9

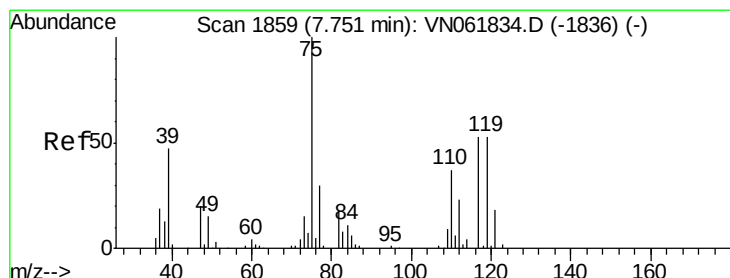
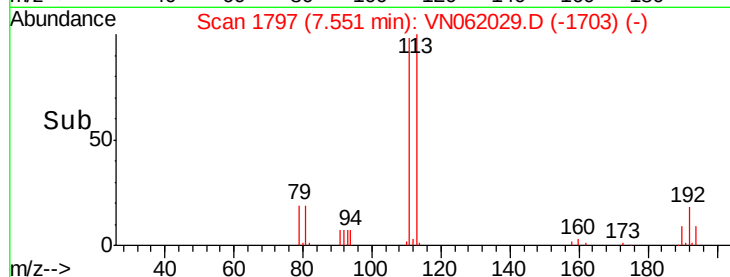
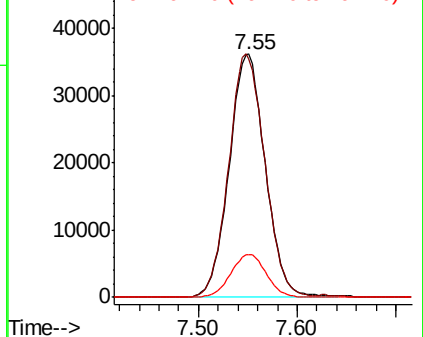


Abundance

Ion 112.80 (112.50 to 113.50): V

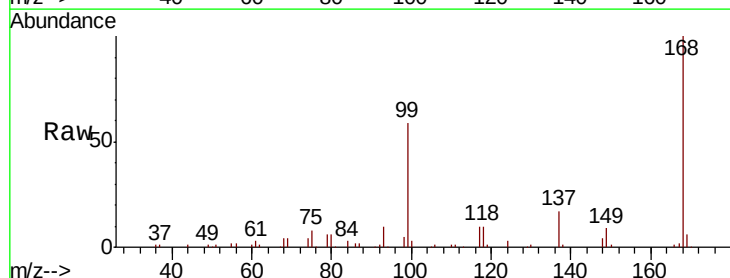
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.2	54.6#
77	0.0	24.2	36.4#

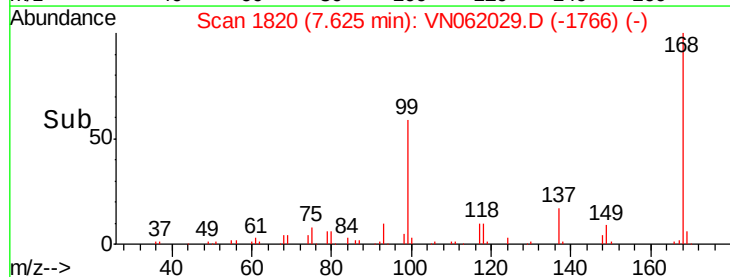
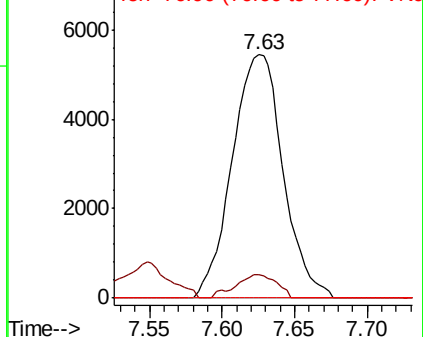


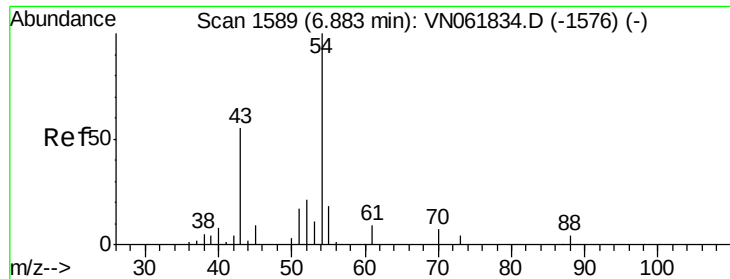
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

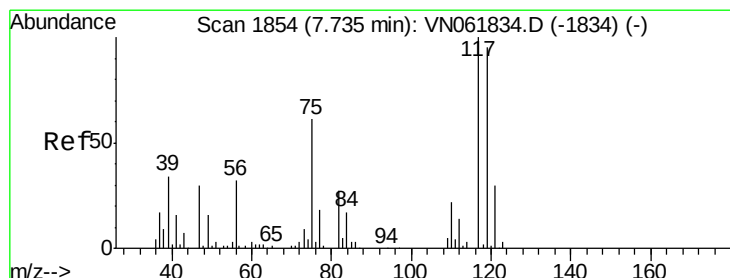
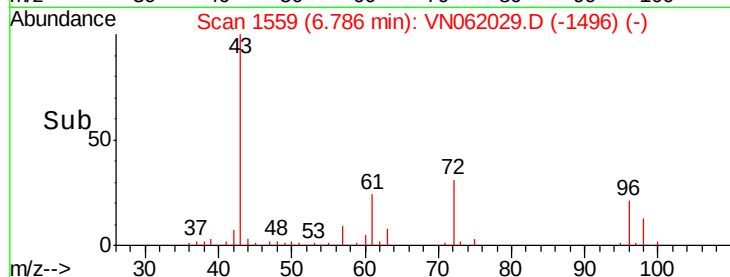
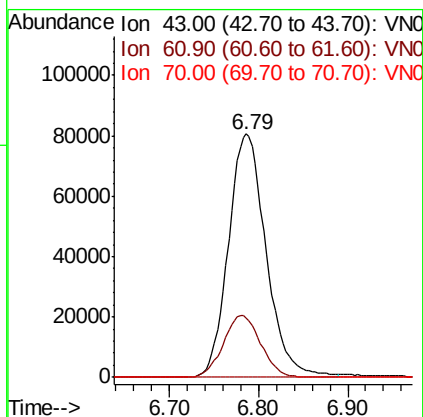
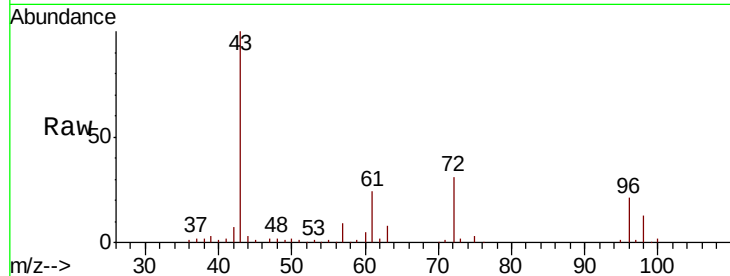




#37
Ethyl Acetate
Concen: 115.000 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.10 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

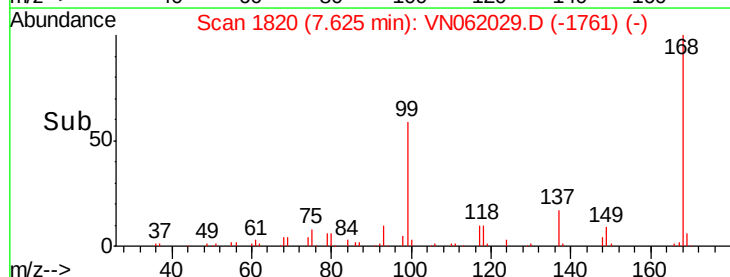
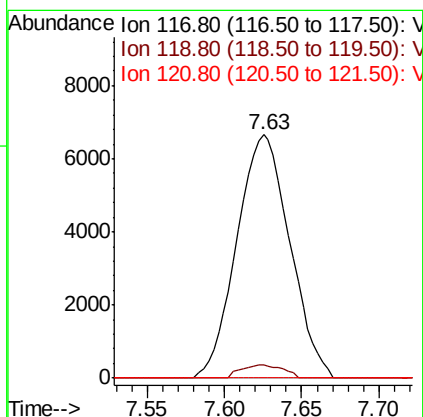
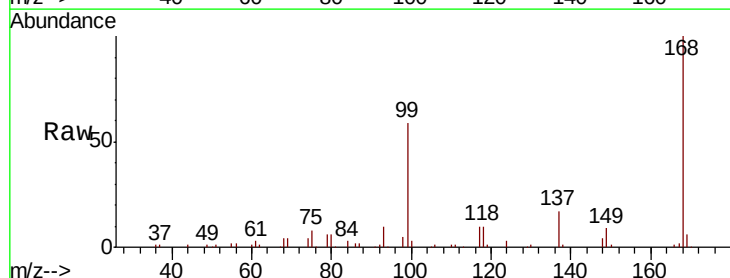
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

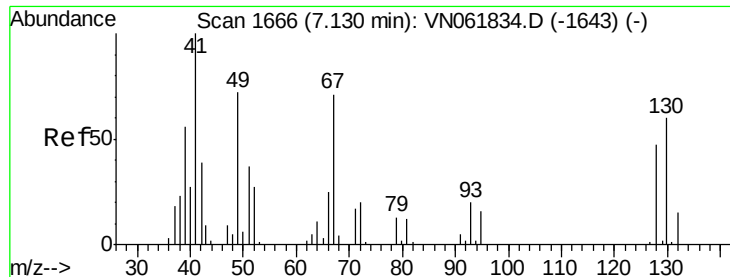
Tot Ion: 43 Resp: 235752
Ion Ratio Lower Upper
43 100
61 25.3 13.0 19.4#
70 0.1 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.093 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion: 117 Resp: 15841
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.6#
121 0.0 23.8 35.6#

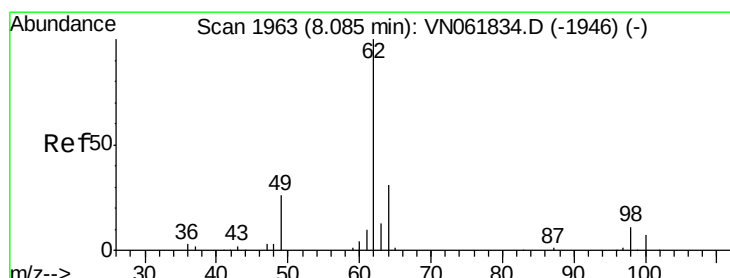
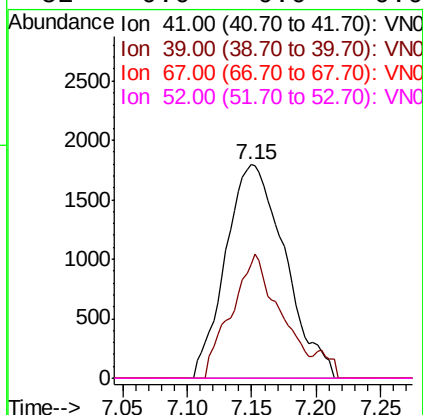
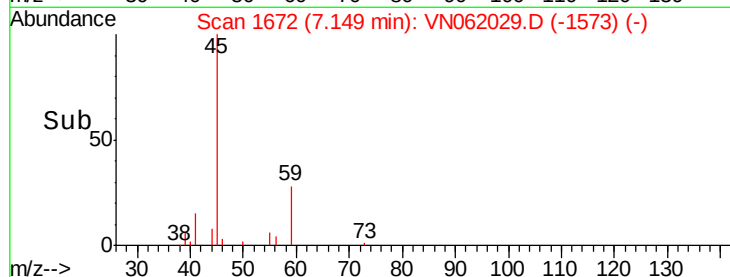
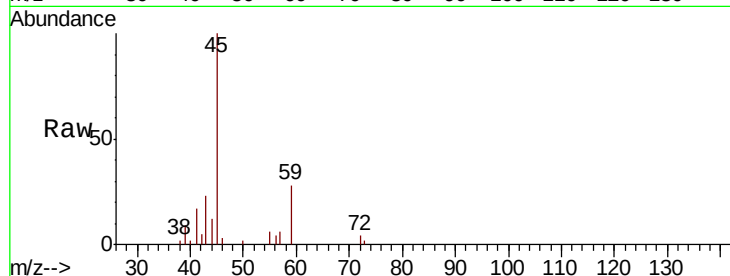




#41
Methacrylonitrile
Concen: 6.562 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. 0.02 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

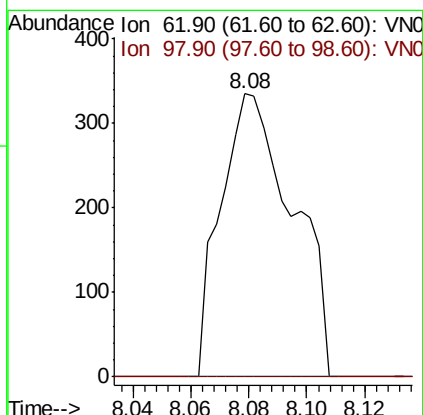
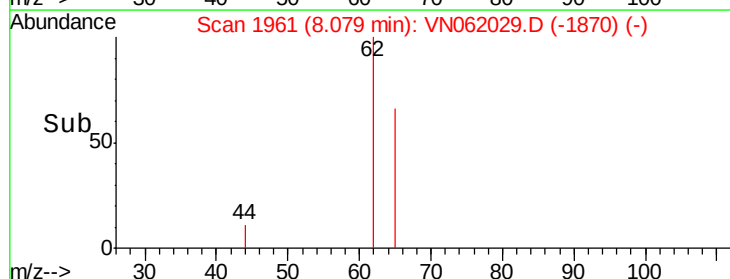
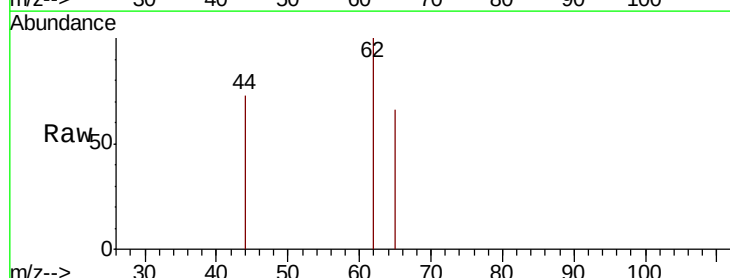
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

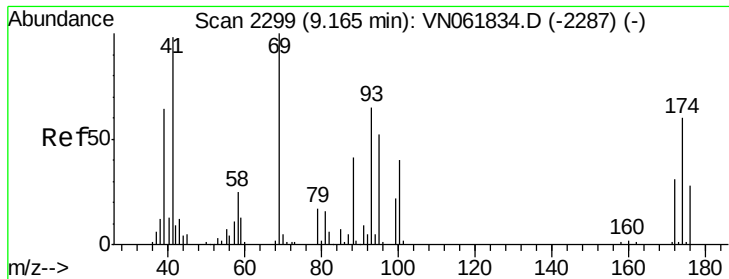
Tot Ion:	41	Resp:	5752
Ion	Ratio	Lower	Upper
41	100		
39	47.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 0.214 ug/l
RT: 8.08 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion:	62	Resp:	579
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.4

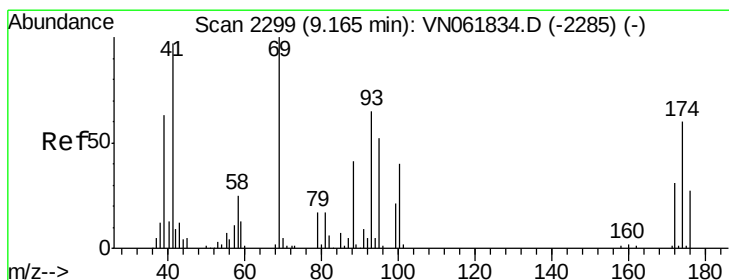
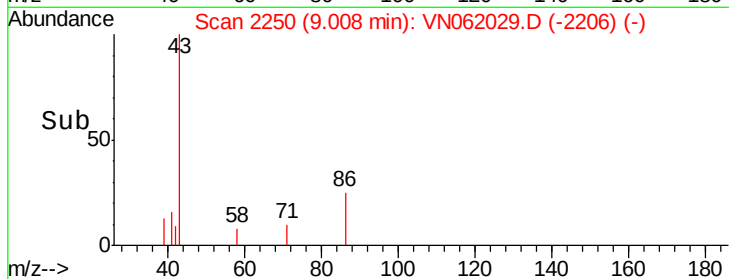
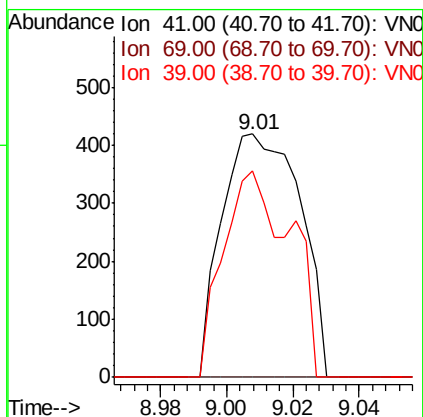
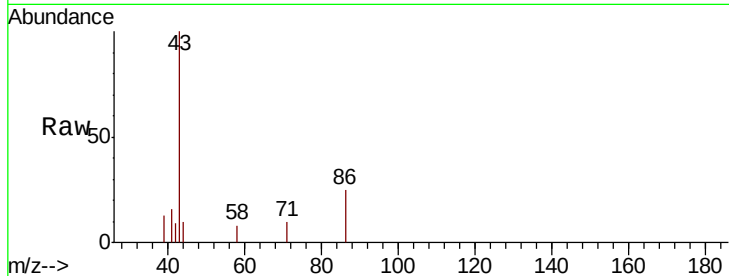




#48
Methvl methacrylate
Concen: 0.440 ug/l
RT: 9.01 min Scan# 2250
Delta R.T. -0.16 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

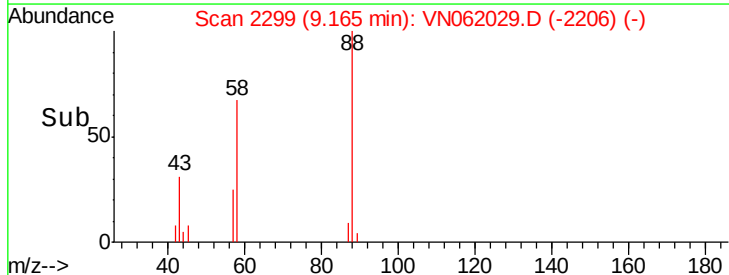
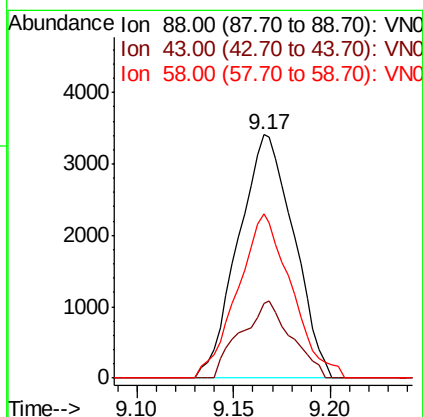
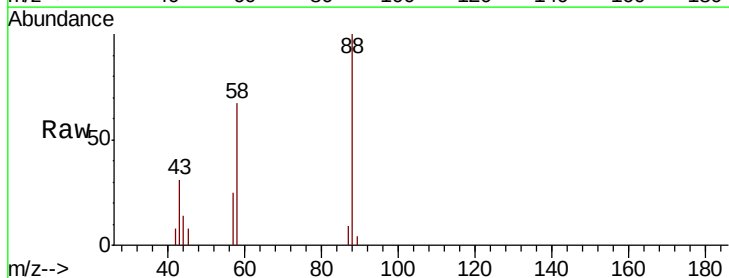
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

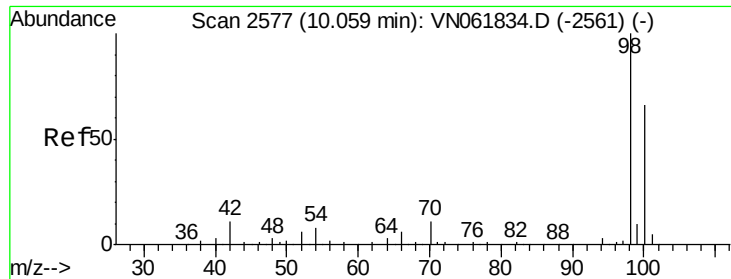
Tot Ion: 41 Resp: 692
Ion Ratio Lower Upper
41 100
69 0.0 83.0 124.4#
39 72.5 55.1 82.7



#49
1,4-Dioxane
Concen: 188.464 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion: 88 Resp: 6798
Ion Ratio Lower Upper
88 100
43 29.0 23.4 35.2
58 65.4 49.8 74.6





#50

Toluene-d8

Concen: 50.818 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

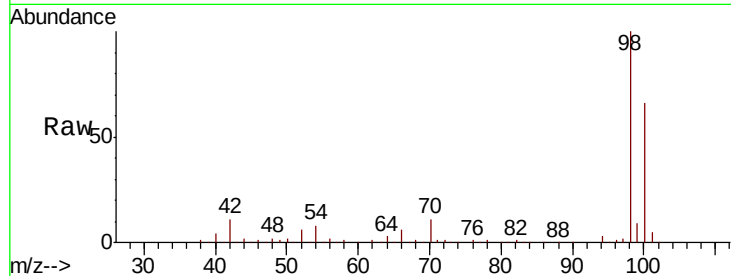
Z1-DUP-0572-200616

Tot Ion: 98 Resp: 367860

Ion Ratio Lower Upper

98 100

100 64.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

200000

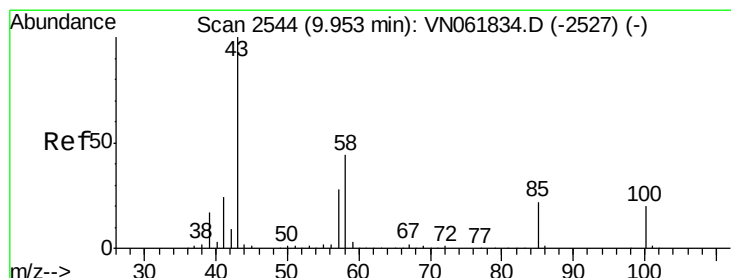
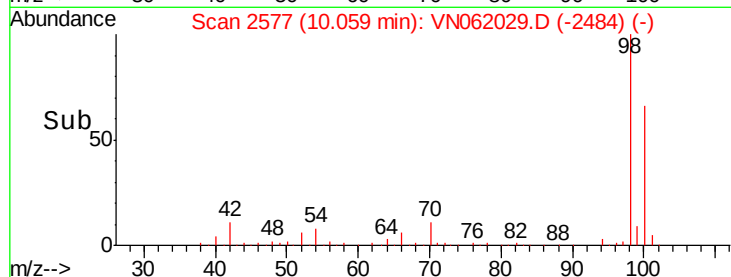
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 29.086 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062029.D

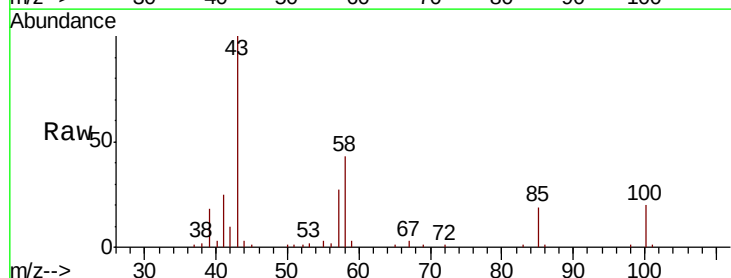
Acq: 23 Jun 2020 4:22

Tgt Ion: 43 Resp: 59380

Ion Ratio Lower Upper

43 100

58 42.0 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

9.95

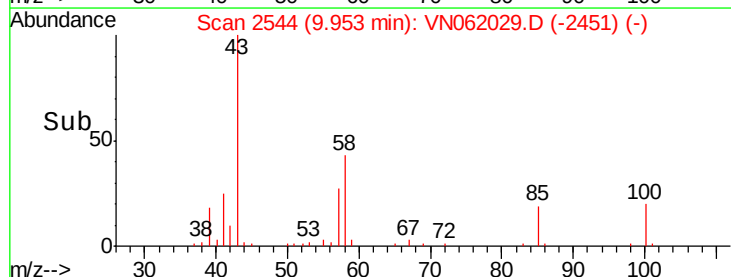
30000

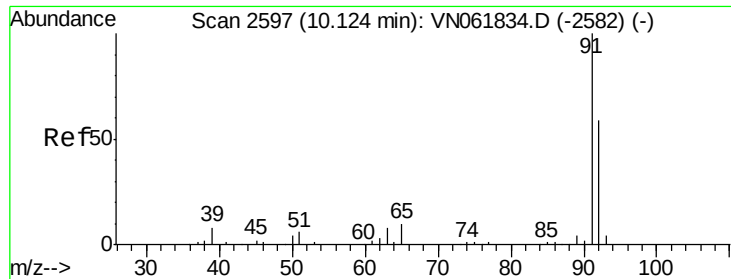
20000

10000

0

Time-->





#52

Toluene

Concen: 57.522 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

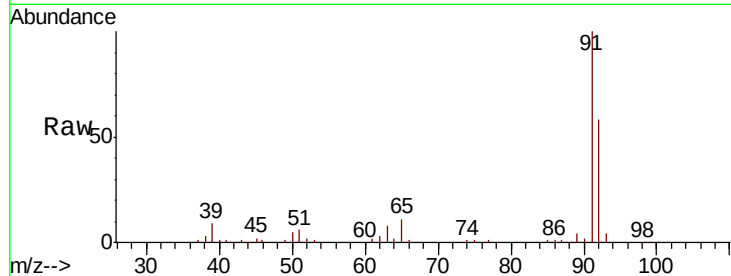
Z1-DUP-0572-200616

Tot Ion: 92 Resp: 287280

Ion Ratio Lower Upper

92 100

91 172.6 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

300000

250000

200000

150000

100000

50000

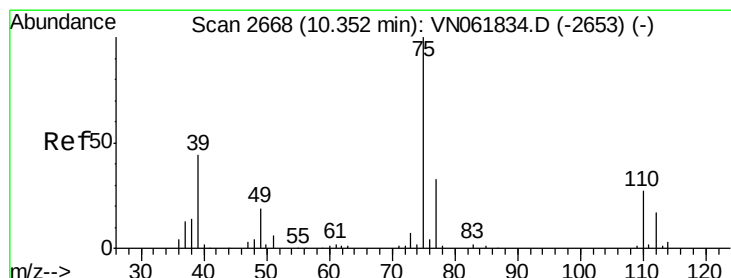
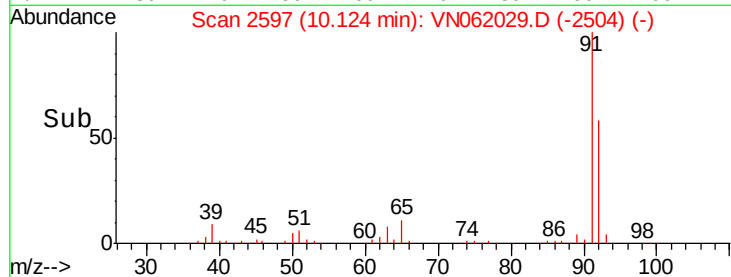
0

10.10

10.12

10.20

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.020 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.23 min

Lab File: VN062029.D

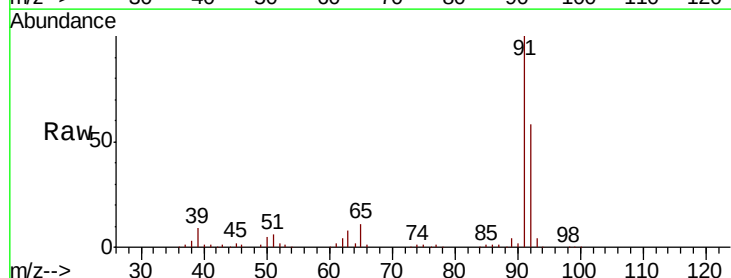
Acq: 23 Jun 2020 4:22

Tgt Ion: 75 Resp: 3052

Ion Ratio Lower Upper

75 100

77 158.8 26.3 39.5#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-2653) (-)

Ion 76.90 (76.60 to 77.60): VN061834.D (-2653) (-)

3000

2000

1000

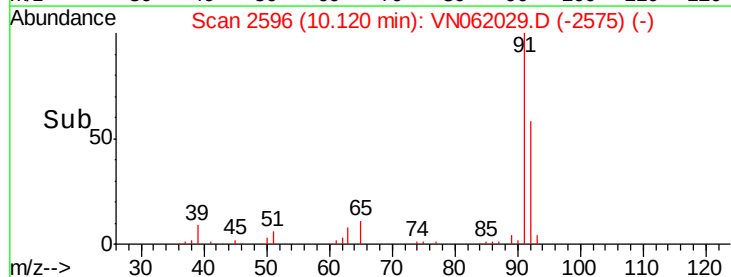
0

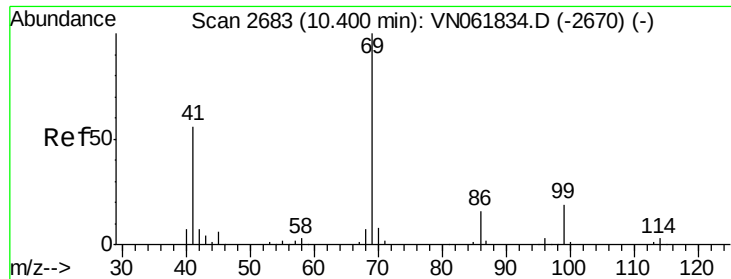
10.10

10.12

10.15

Time-->





#56

Ethyl methacrylate

Concen: 3.296 ug/l

RT: 10.33 min Scan# 2660

Delta R.T. -0.07 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0572-200616

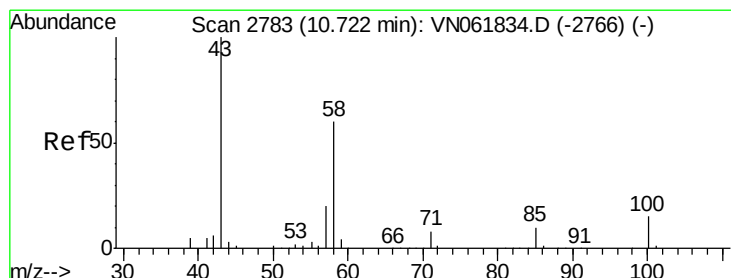
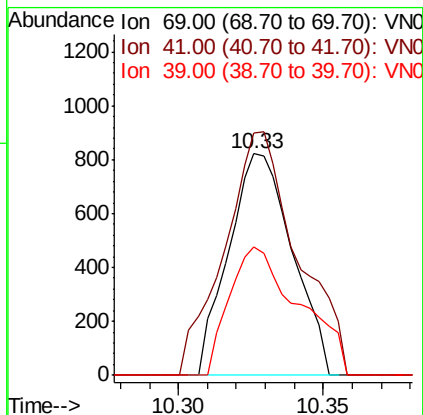
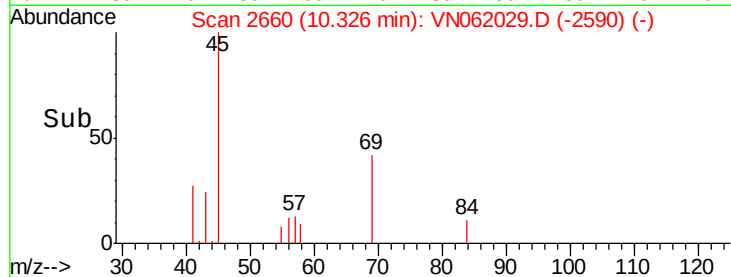
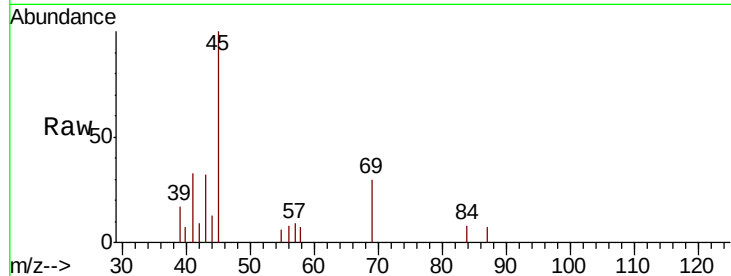
Tot Ion: 69 Resp: 1253

Ion Ratio Lower Upper

69 100

41 126.2 44.9 67.3#

39 0.0 30.0 45.0#



#59

2-Hexanone

Concen: 13.876 ug/l

RT: 10.69 min Scan# 2773

Delta R.T. -0.03 min

Lab File: VN062029.D

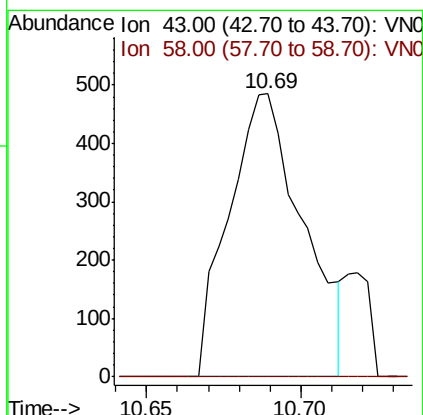
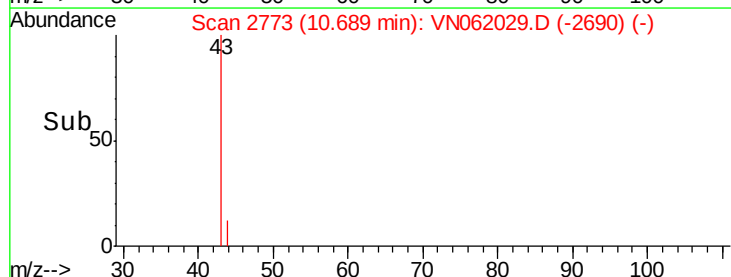
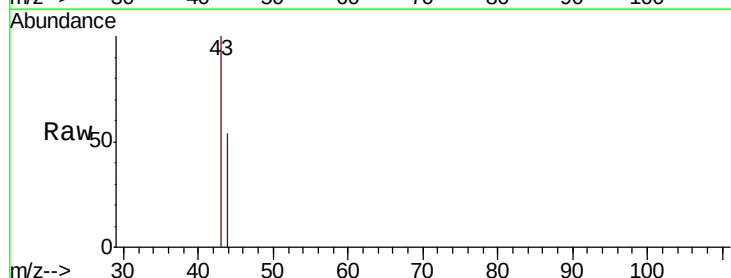
Acq: 23 Jun 2020 4:22

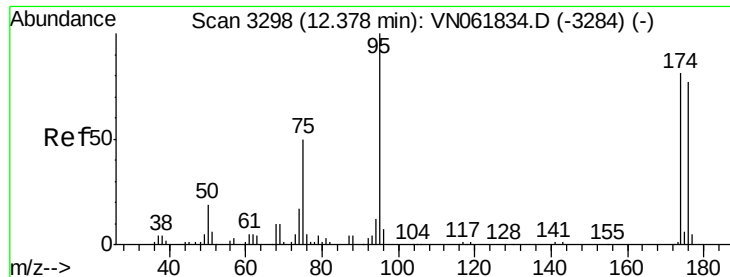
Tgt Ion: 43 Resp: 808

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.5#

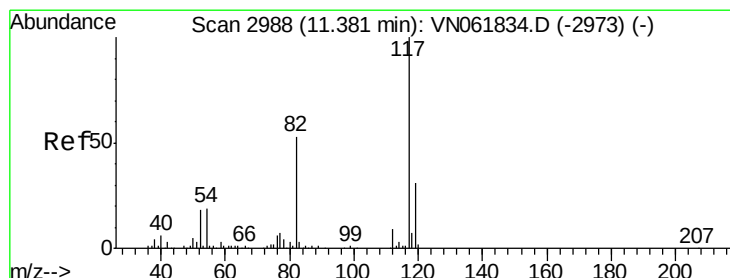
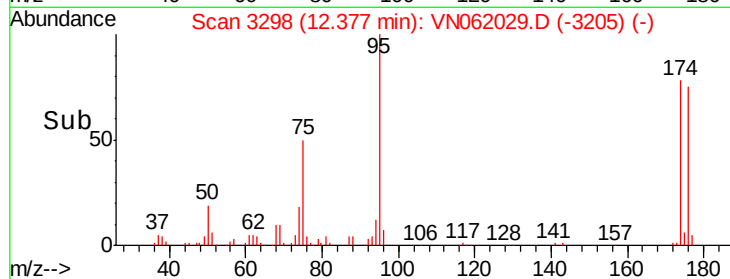
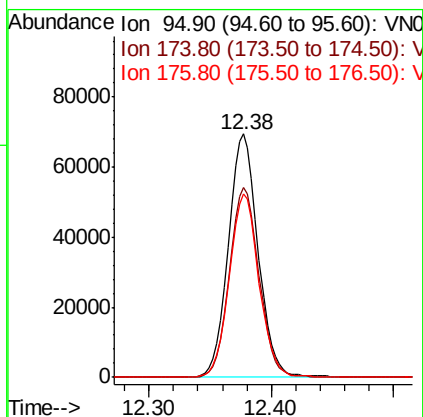
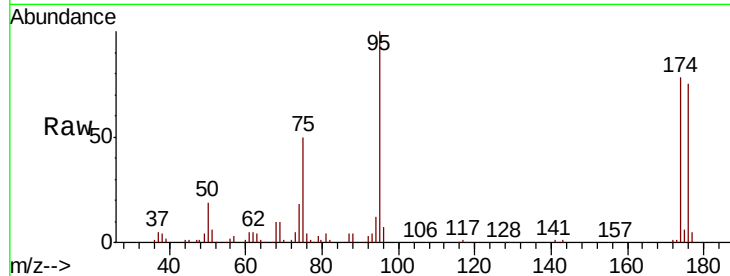




#62
4-Bromofluorobenzene
Concen: 47.510 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

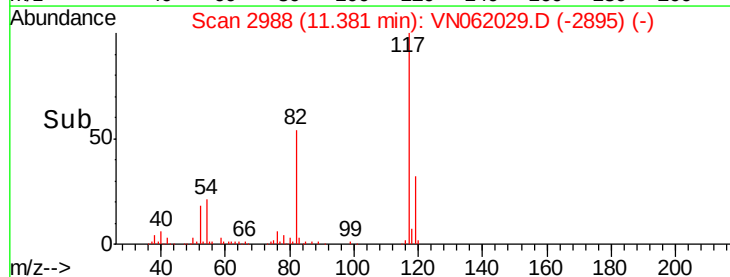
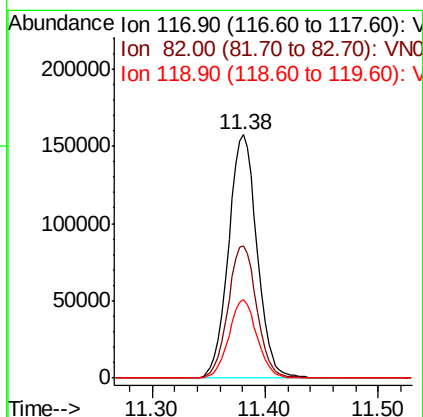
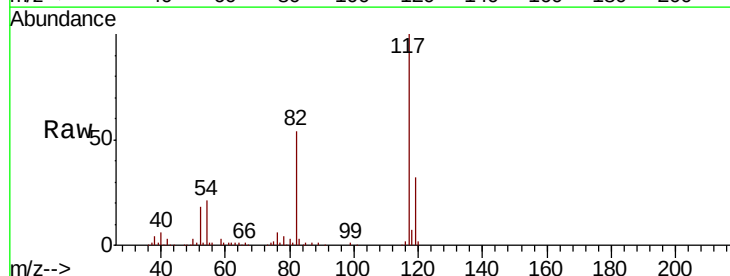
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

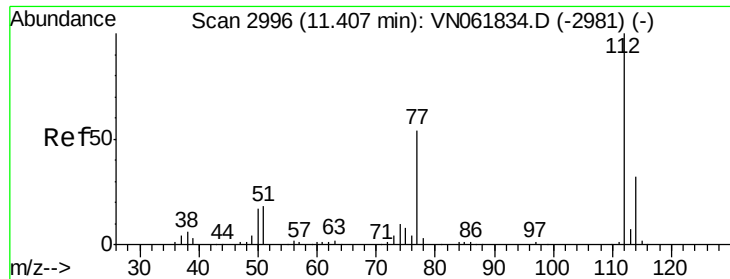
Tot Ion: 95 Resp: 117969
Ion Ratio Lower Upper
95 100
174 78.0 0.0 158.6
176 75.3 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion: 117 Resp: 276377
Ion Ratio Lower Upper
117 100
82 54.2 42.6 64.0
119 32.0 24.7 37.1





#65

Chlorobenzene

Concen: 0.318 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

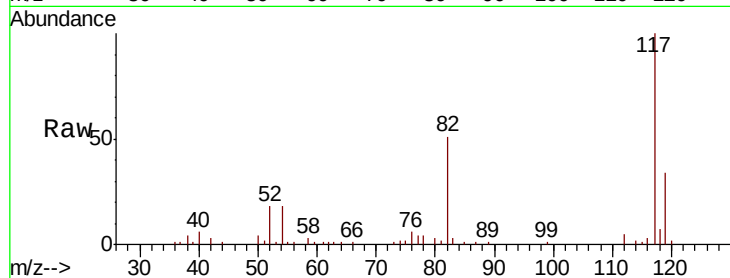
Z1-DUP-0572-200616

Tot Ion:112 Resp: 1853

Ion Ratio Lower Upper

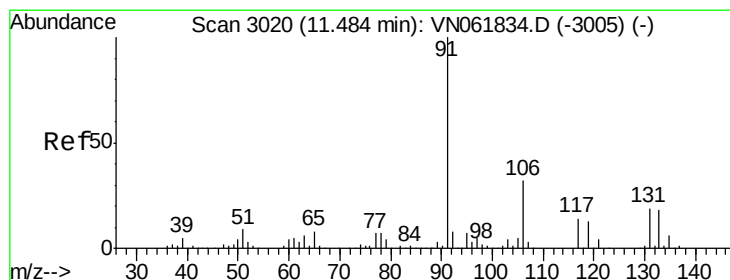
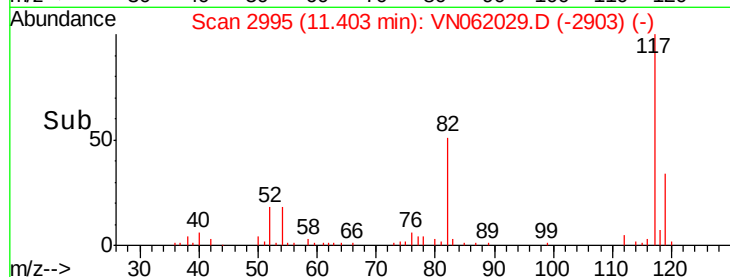
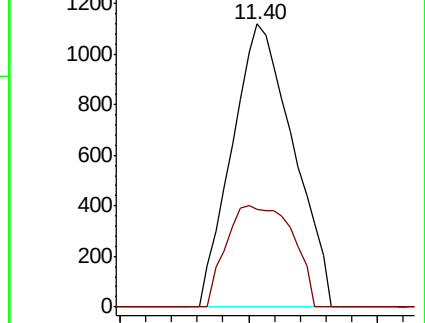
112 100

114 34.6 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.461 ug/l

RT: 11.49 min Scan# 3021

Delta R.T. 0.00 min

Lab File: VN062029.D

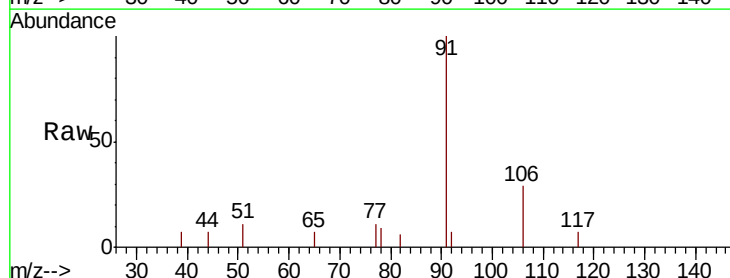
Acq: 23 Jun 2020 4:22

Tgt Ion: 91 Resp: 4509

Ion Ratio Lower Upper

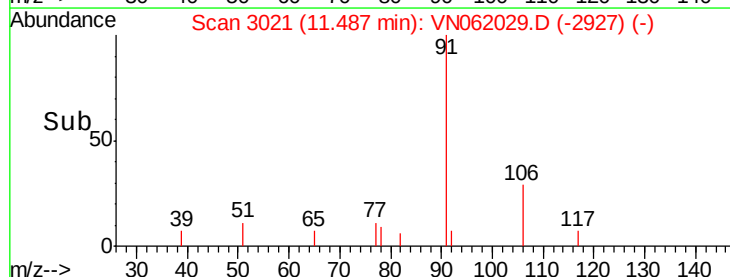
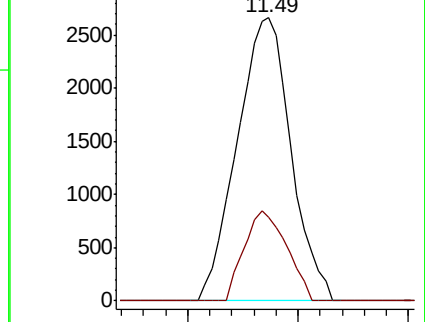
91 100

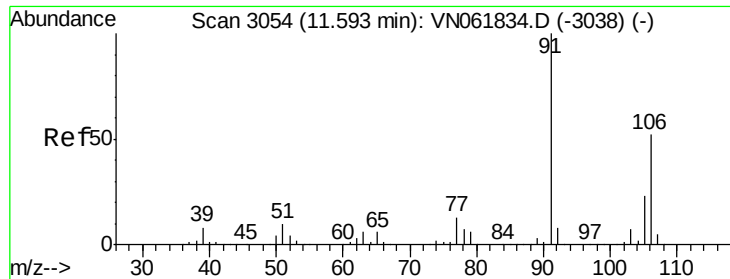
106 29.5 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

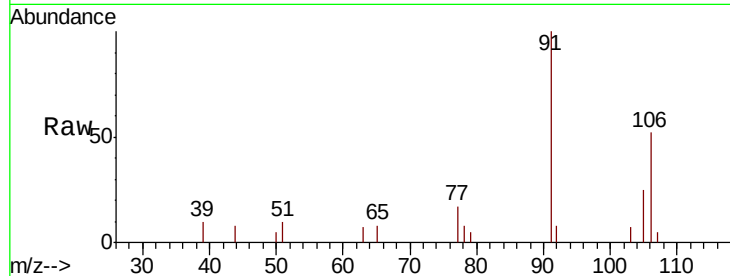




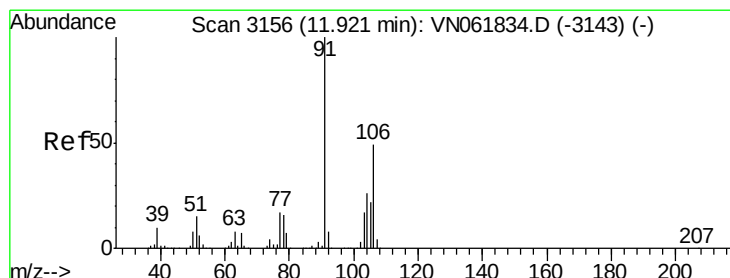
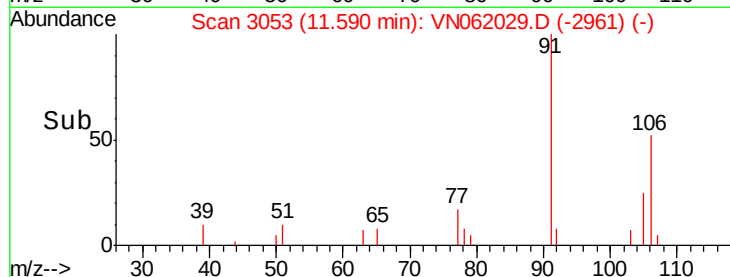
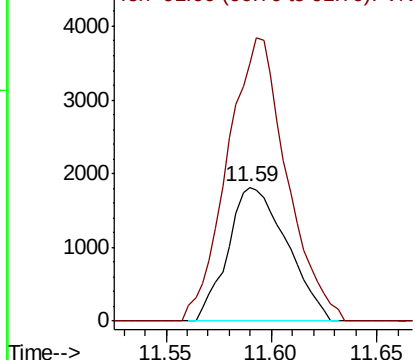
#68
m/p-Xylenes
Concen: 0.936 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0572-200616

Tot Ion:106 Resp: 3530
Ion Ratio Lower Upper
106 100
91 213.1 157.0 235.6

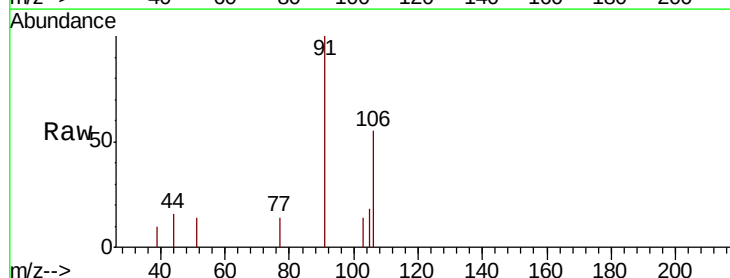


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

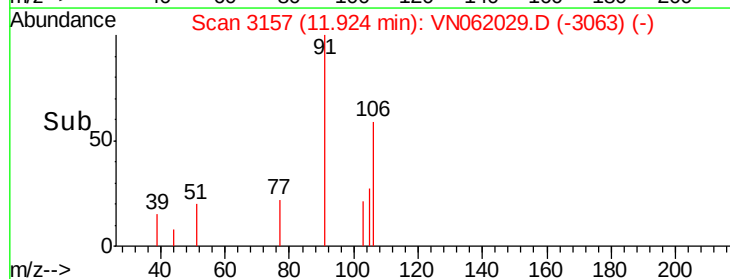
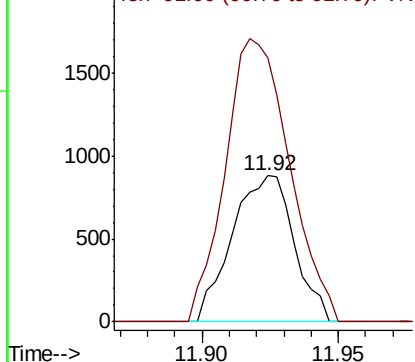


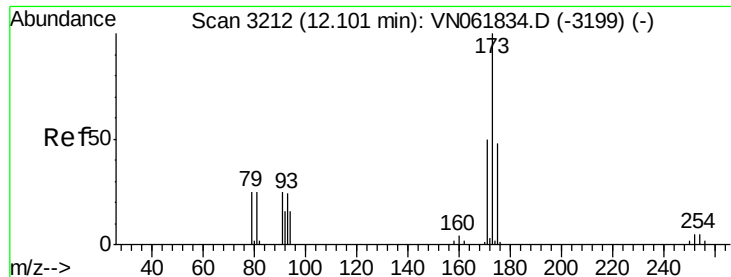
#69
o-Xylene
Concen: 0.385 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062029.D
Acq: 23 Jun 2020 4:22

Tgt Ion:106 Resp: 1385
Ion Ratio Lower Upper
106 100
91 201.6 103.0 308.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.690 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0572-200616

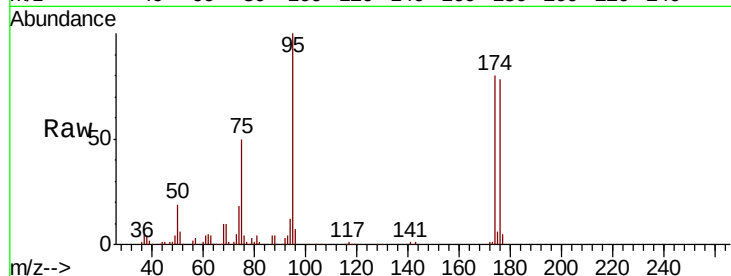
Tot Ion:173 Resp: 1024

Ion Ratio Lower Upper

173 100

175 551.2 23.9 71.7#

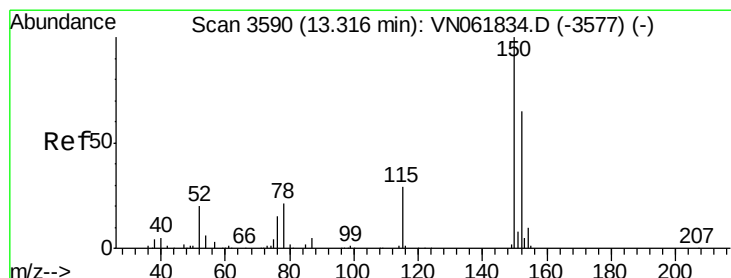
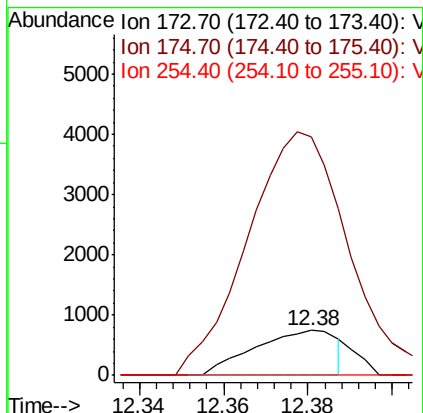
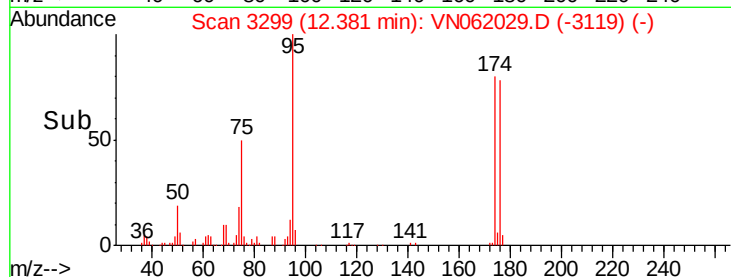
254 0.0 0.0 0.0



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: VN062029.D

Acq: 23 Jun 2020 4:22

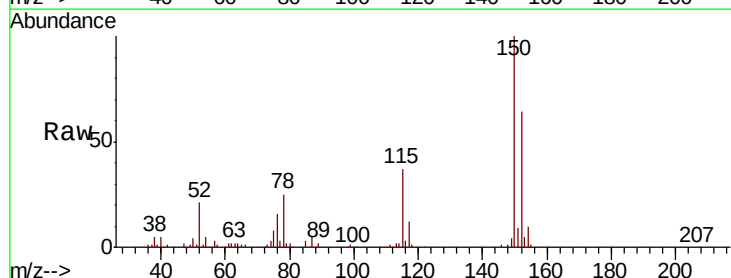
Tgt Ion:152 Resp: 103397

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

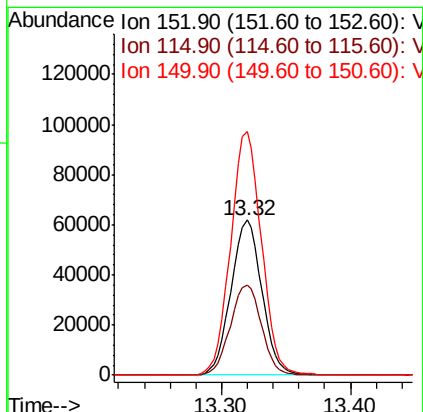
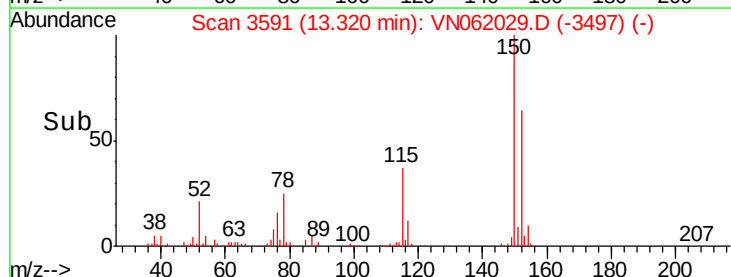
150 156.0 0.0 347.6

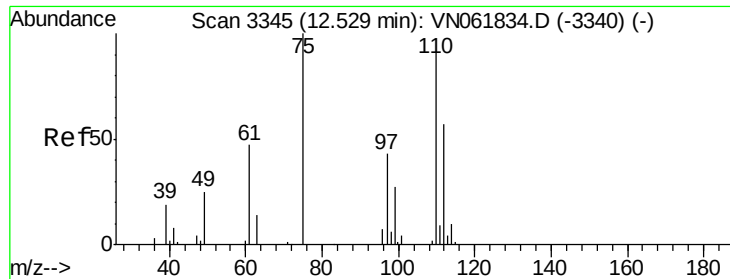


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.765 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

Instrument :

MSVOA_N

ClientSampleId :

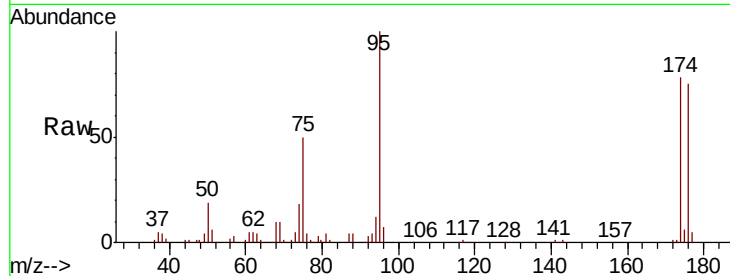
Z1-DUP-0572-200616

Tot Ion: 75 Resp: 58391

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062029.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062029.D (-3252) (-)

12.38

40000

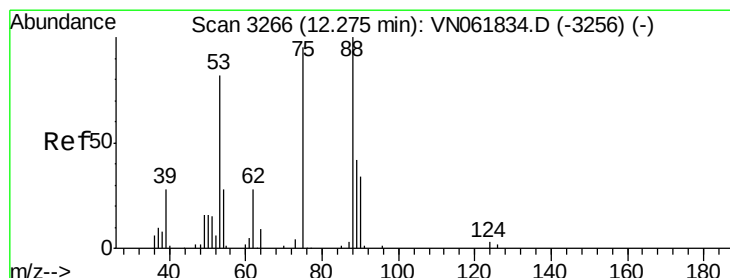
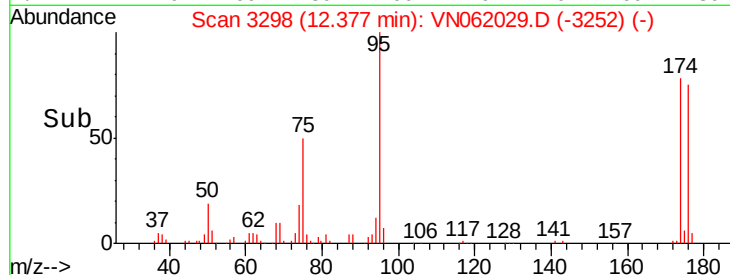
30000

20000

10000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 78.454 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062029.D

Acq: 23 Jun 2020 4:22

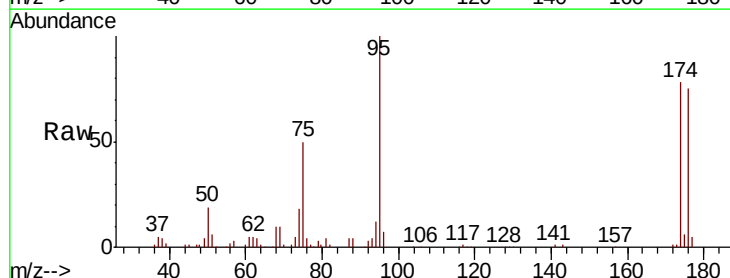
Tgt Ion: 75 Resp: 58391

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062029.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062029.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062029.D (-3173) (-)

12.38

40000

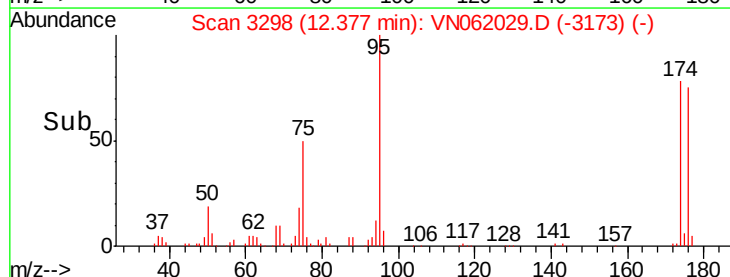
30000

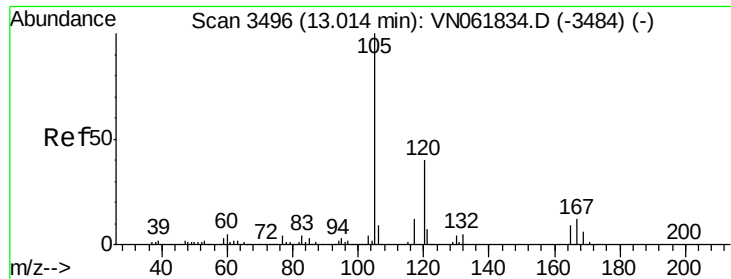
20000

10000

0

Time--> 12.30 12.35 12.40 12.45

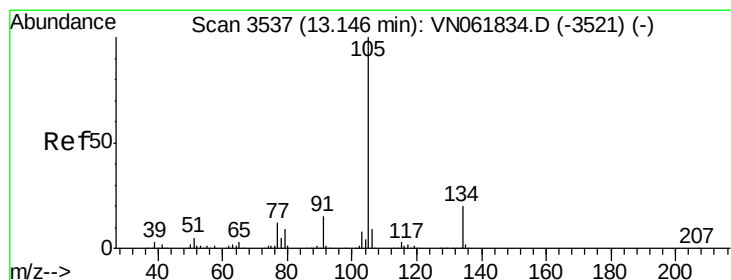
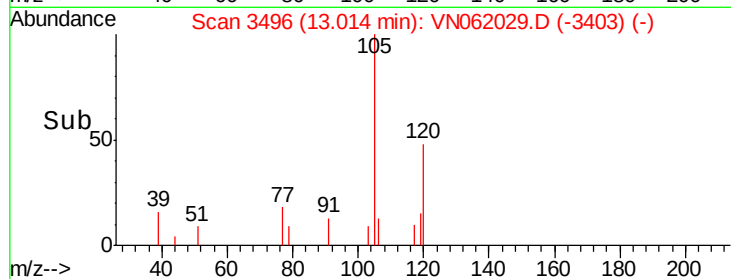
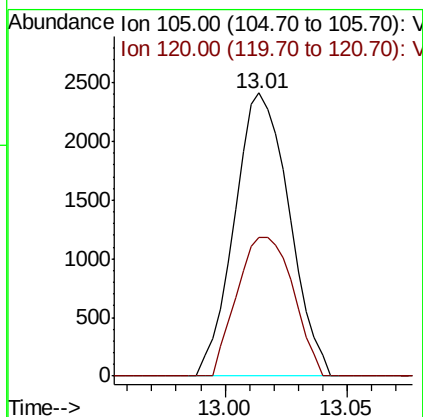
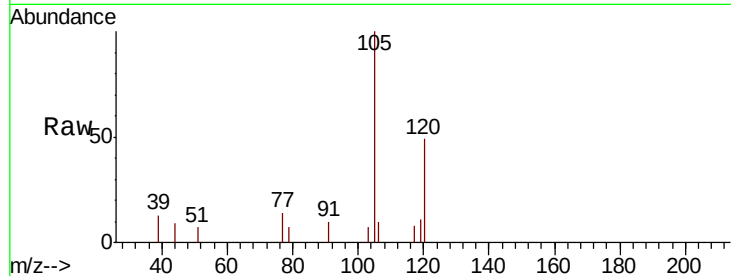




#84
 1,2,4-Trimethylbenzene
 Concen: 0.626 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

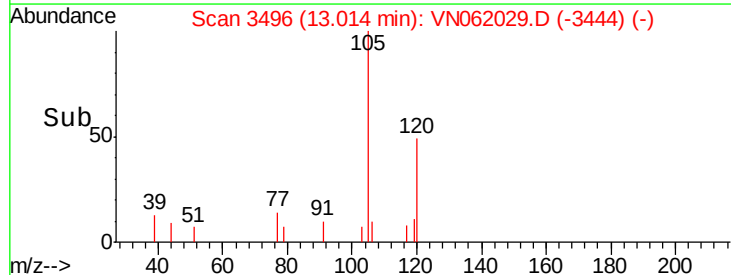
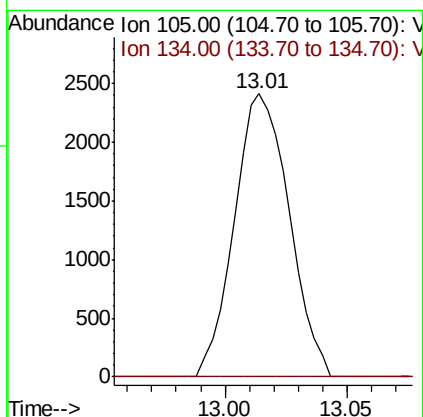
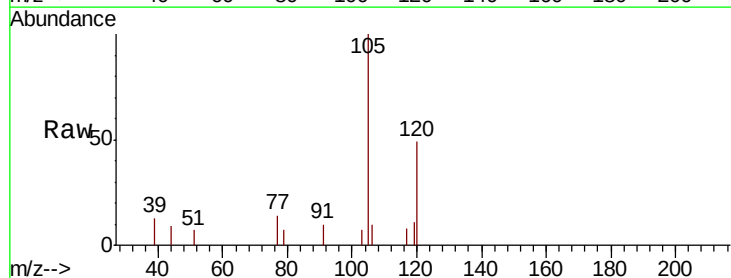
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

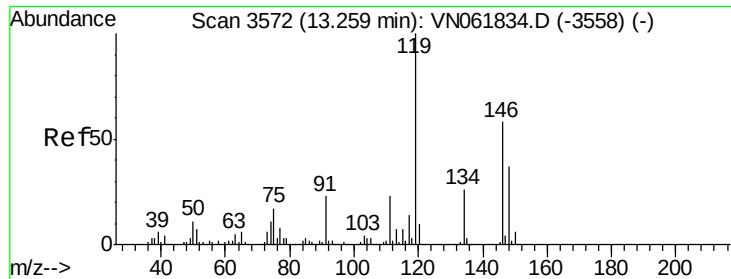
Tot Ion:105 Resp: 3755
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.3 69.9



#85
 sec-Butylbenzene
 Concen: 0.557 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.13 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Tgt Ion:105 Resp: 3755
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#

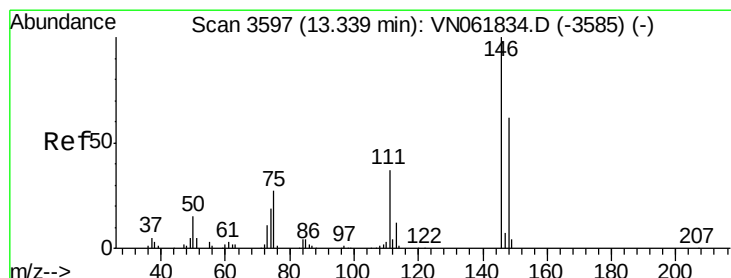
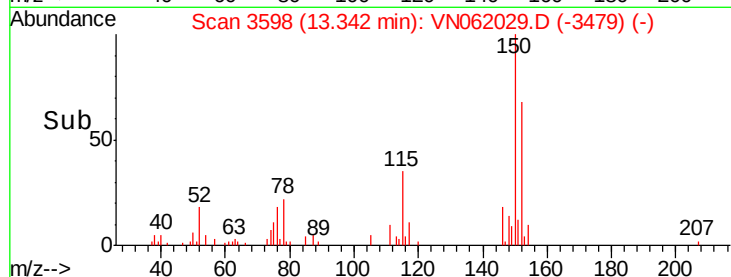
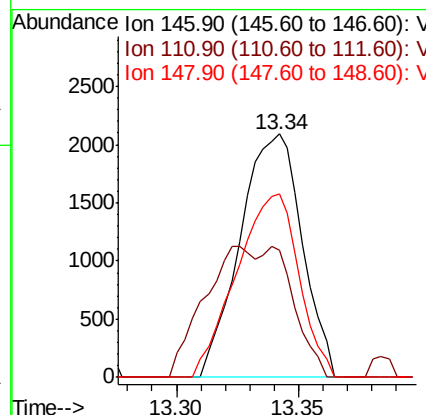
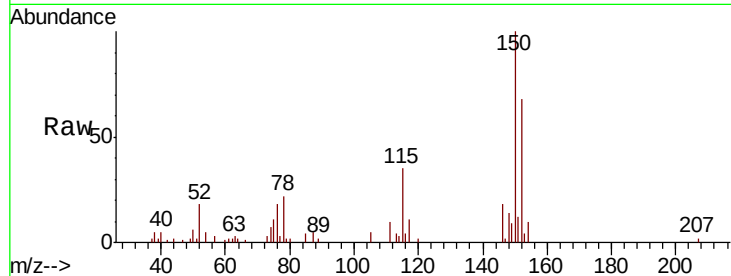




#87
 1,3-Dichlorobenzene
 Concen: 1.088 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.08 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

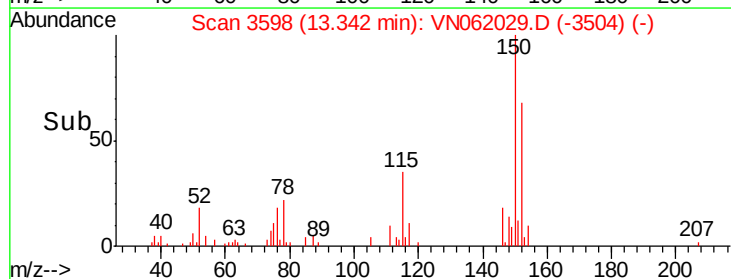
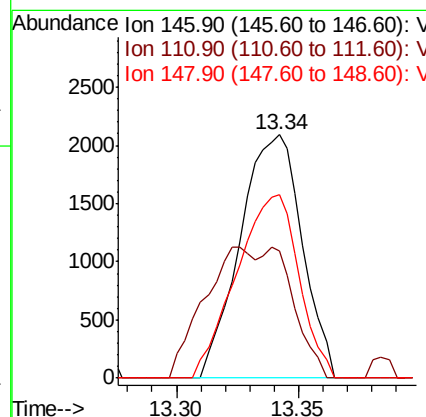
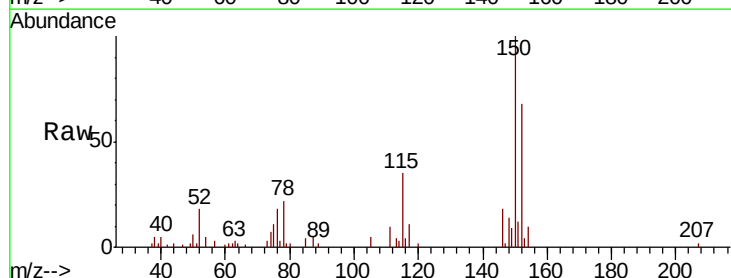
Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

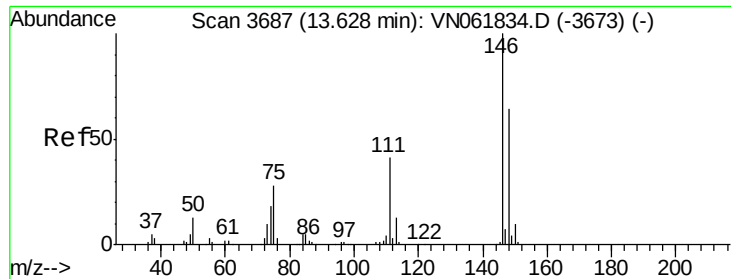
Tot Ion:146 Resp: 3680
 Ion Ratio Lower Upper
 146 100
 111 44.9 19.6 58.8
 148 75.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 1.063 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Tgt Ion:146 Resp: 3680
 Ion Ratio Lower Upper
 146 100
 111 44.9 19.3 57.8
 148 75.9 31.6 94.7

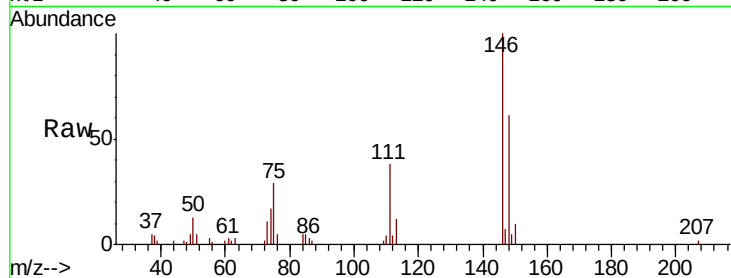




#91
 1,2-Dichlorobenzene
 Concen: 5.646 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0572-200616

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.4	61.2
148	59.0	31.8	95.4

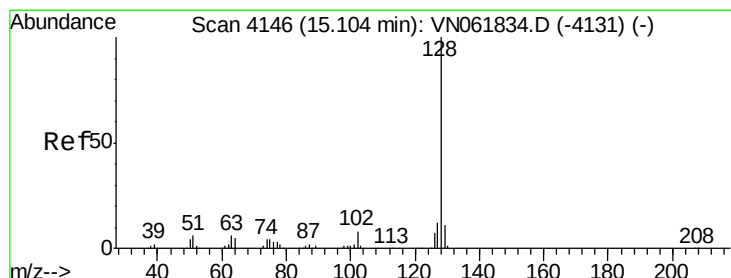
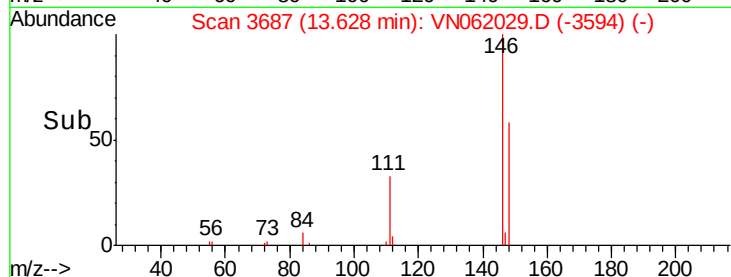
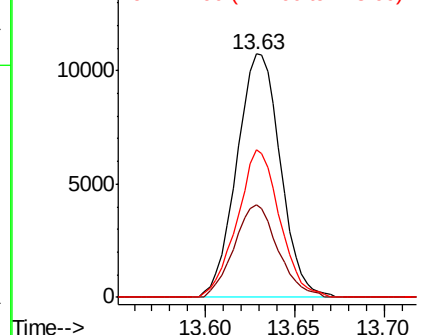


Abundance

Ion 145.90 (145.60 to 146.60): V

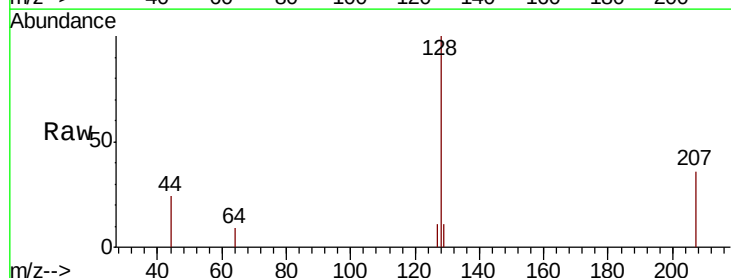
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95
 Naphthalene
 Concen: 4.045 ug/l
 RT: 15.11 min Scan# 4147
 Delta R.T. 0.00 min
 Lab File: VN062029.D
 Acq: 23 Jun 2020 4:22

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.7	10.3	15.5#
129	4.3	8.6	13.0#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

