

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061909.D
 Acq On : 18 Jun 2020 18:51
 Operator : JC/MD
 Sample : L3026-01 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0571DL

Quant Time: Jun 19 05:28:26 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	135311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	243014	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	234845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91157	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	90159	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	7.55	113	79206	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
50) Toluene-d8	10.06	98	304376	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.38	95	99178	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

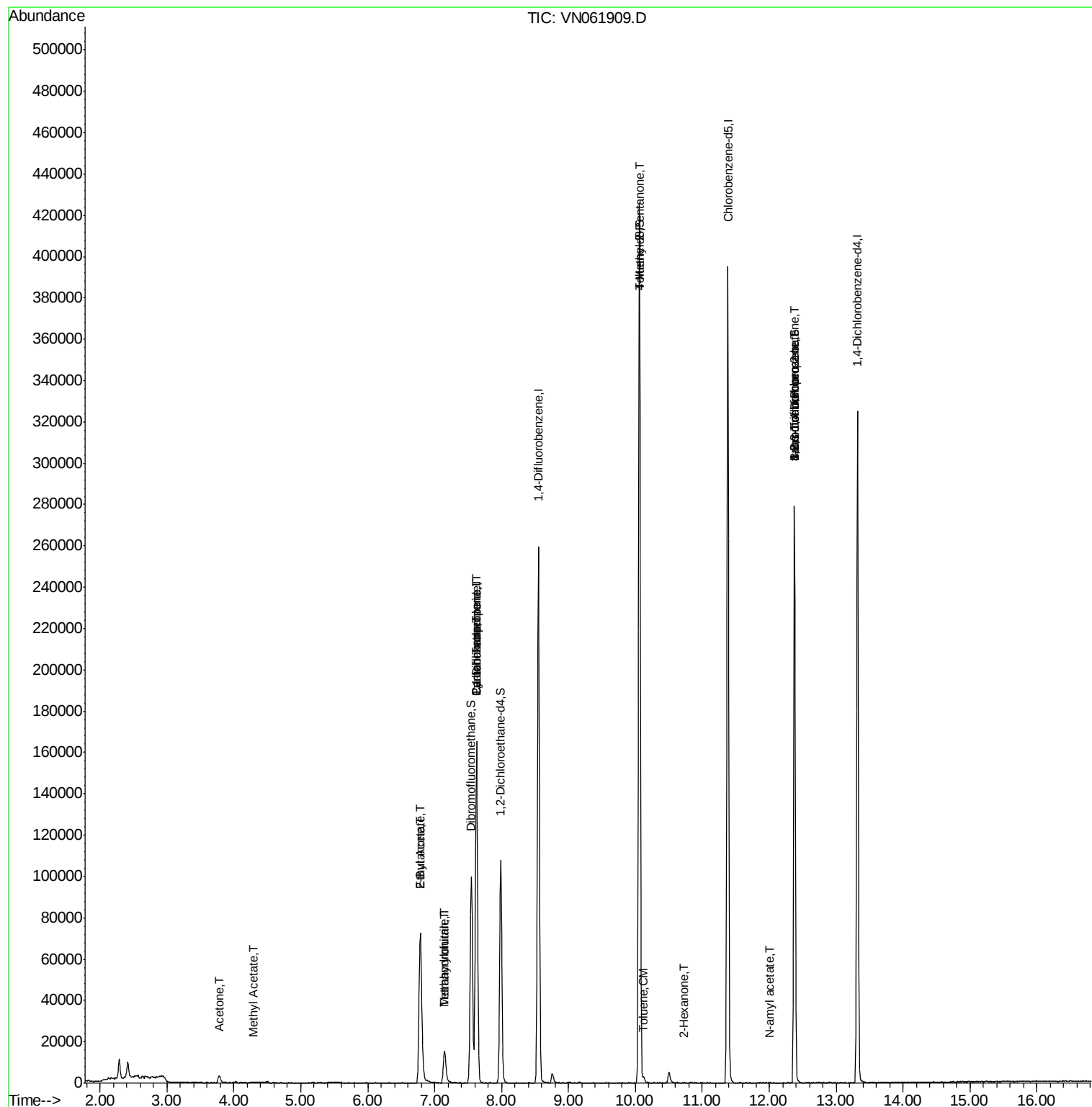
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6262	11.682	ug/l	99
18) Methyl Acetate	4.28	43	374	0.242	ug/l #	46
25) 2-Butanone	6.79	43	123984	158.532	ug/l	100
29) Tetrahydrofuran	7.14	42	782	1.519	ug/l #	55
31) Cyclohexane	7.63	56	2839	1.187	ug/l #	21
36) 1,1-Dichloropropene	7.63	75	10672	4.815	ug/l #	47
37) Ethyl Acetate	6.79	43	123984	71.629	ug/l #	65
38) Carbon Tetrachloride	7.63	117	13404	6.107	ug/l #	17
41) Methacrylonitrile	7.15	41	3508	4.739	ug/l #	100
51) 4-Methyl-2-Pentanone	10.06	43	1248	0.724	ug/l #	1
52) Toluene	10.13	92	960	0.228	ug/l	91
59) 2-Hexanone	10.73	43	58	13.447	ug/l #	20
71) Bromoform	12.38	173	831	0.659	ug/l #	1
74) N-amyl acetate	12.01	43	95	3.102	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	48622	27.169	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48622	74.100	ug/l #	14

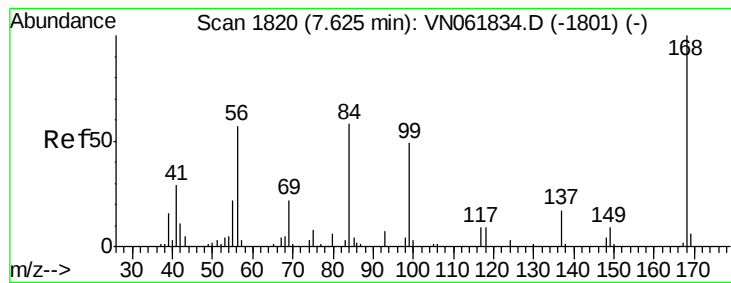
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

Instrument :

MSVOA_N

ClientSampleID :

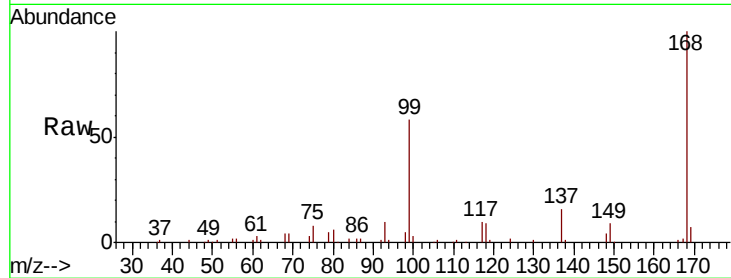
S49-0571DL

Tot Ion:168 Resp: 135311

Ion Ratio Lower Upper

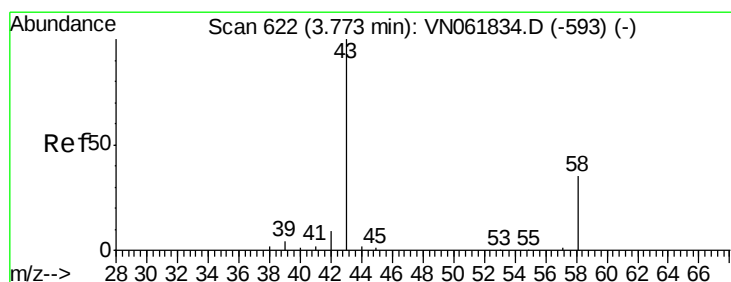
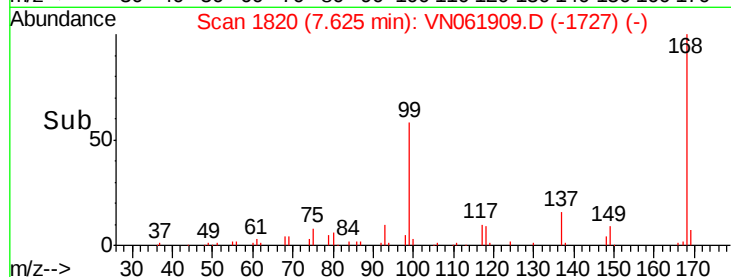
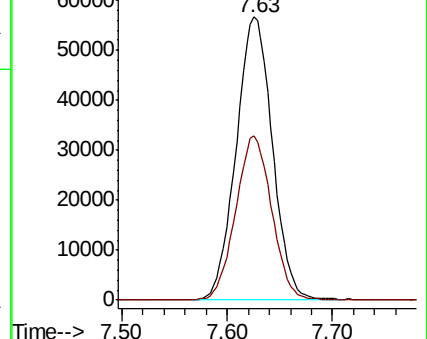
168 100

99 58.0 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 11.682 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061909.D

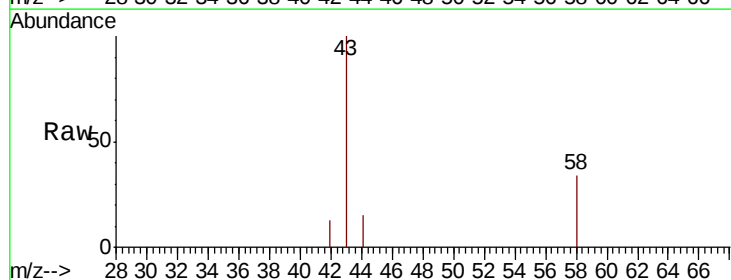
Acq: 18 Jun 2020 18:51

Tgt Ion: 43 Resp: 6262

Ion Ratio Lower Upper

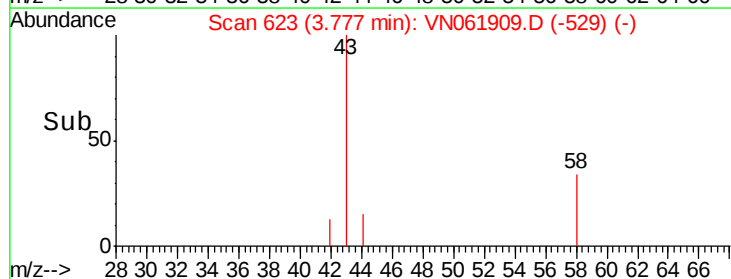
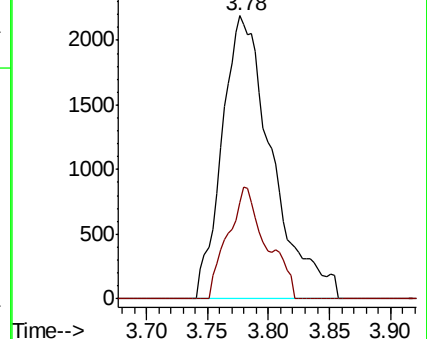
43 100

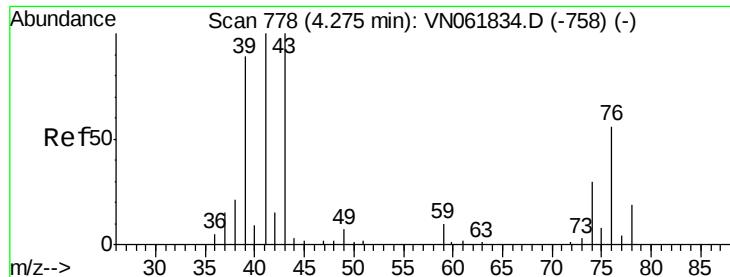
58 34.1 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

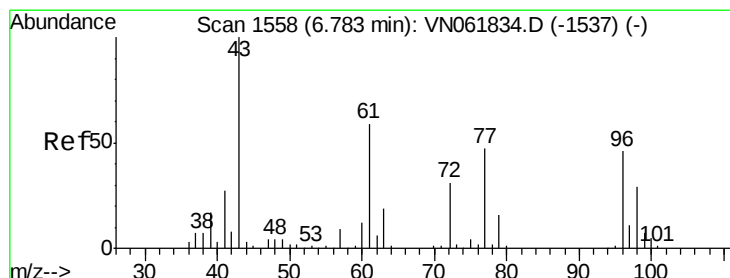
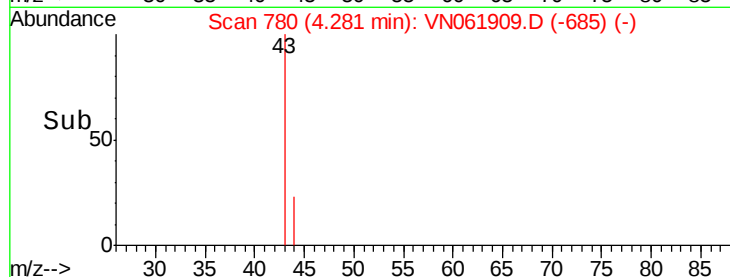
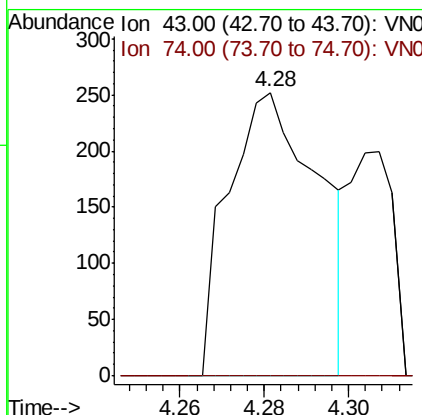
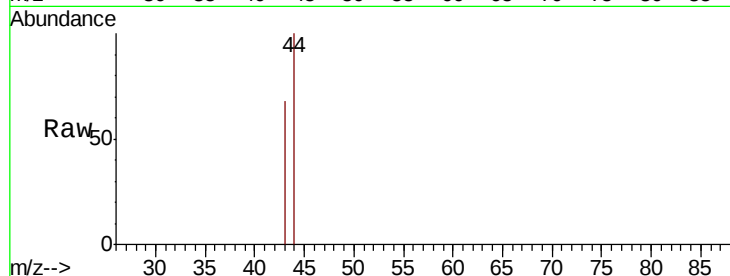




#18
Methvl Acetate
Concen: 0.242 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061909.D
Acq: 18 Jun 2020 18:51

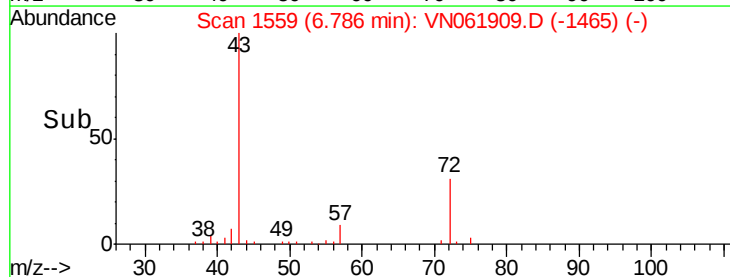
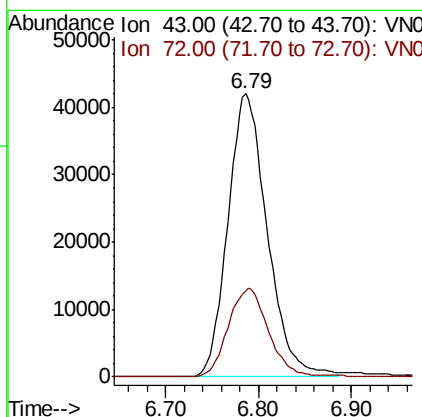
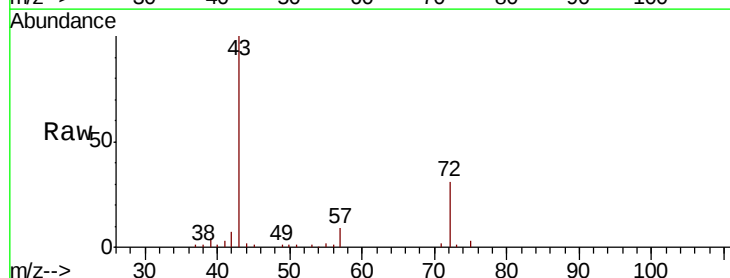
Instrument :
MSVOA_N
ClientSampled :
S49-0571DL

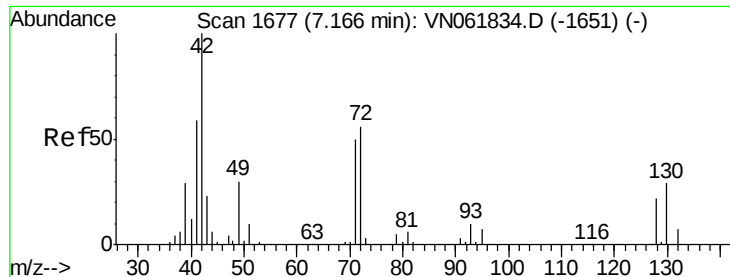
Tot Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#25
2-Butanone
Concen: 158.532 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061909.D
Acq: 18 Jun 2020 18:51

Tgt Ion: 43 Resp: 123984
Ion Ratio Lower Upper
43 100
72 30.7 24.6 37.0





#29

Tetrahydrofuran

Concen: 1.519 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.02 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

S49-0571DL

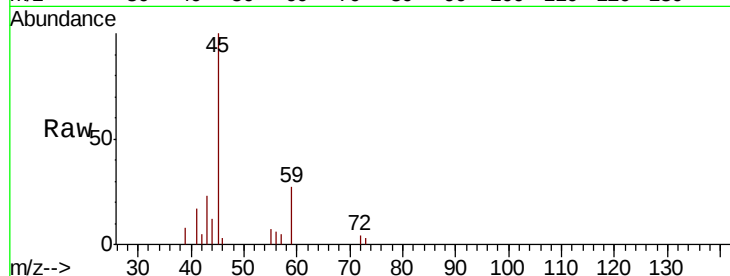
Tot Ion: 42 Resp: 782

Ion Ratio Lower Upper

42 100

72 70.1 44.0 66.0#

71 0.0 40.0 60.0#

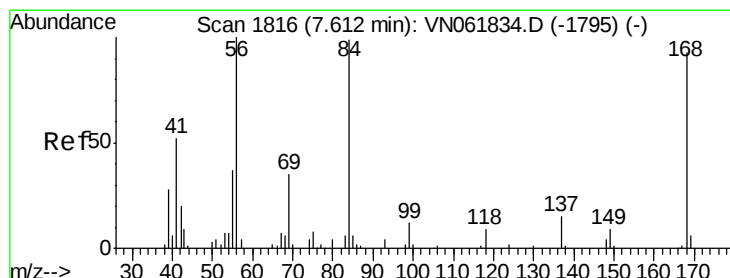
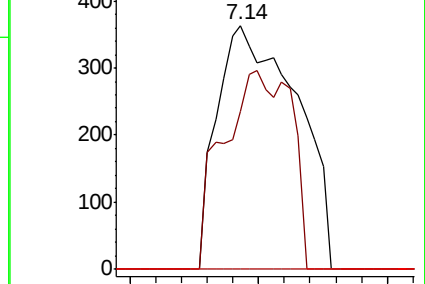
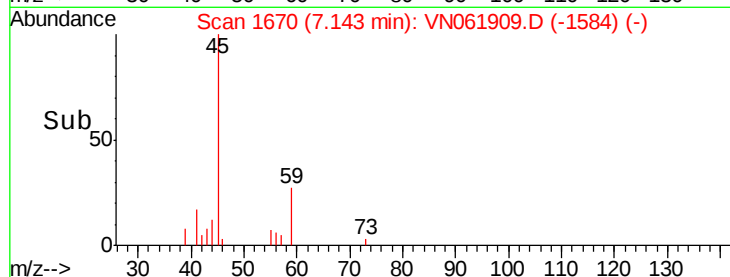


Abundance Ion 42.00 (41.70 to 42.70): VN061834.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN061834.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN061834.D (-1651) (-)

Time-->



#31

Cyclohexane

Concen: 1.187 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

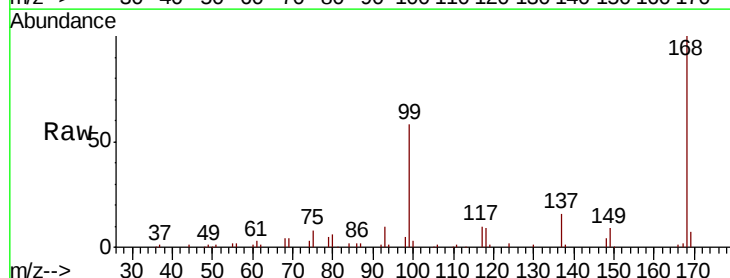
Tgt Ion: 56 Resp: 2839

Ion Ratio Lower Upper

56 100

69 174.0 27.7 41.5#

84 120.5 79.1 118.7#

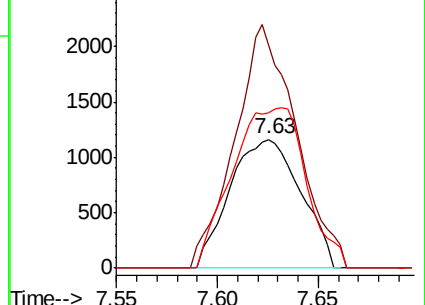
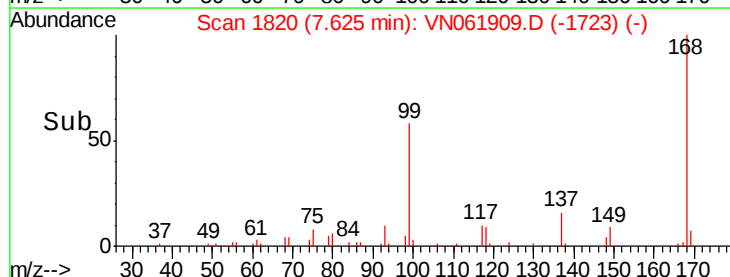


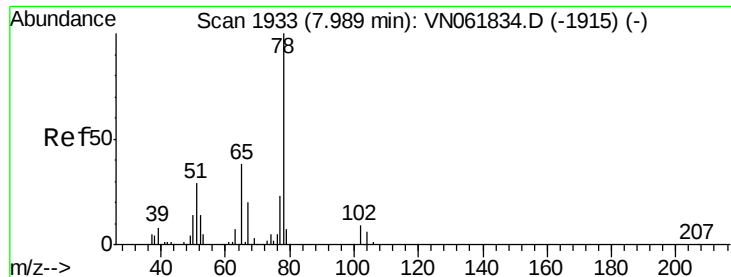
Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)

Time-->

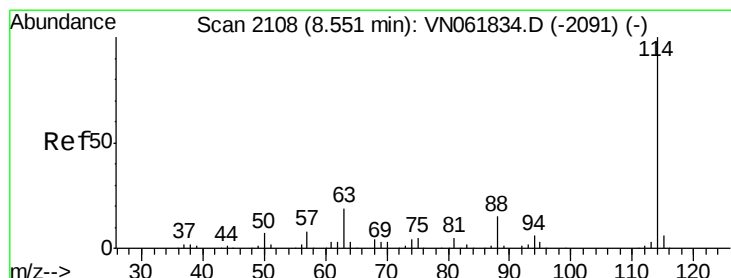
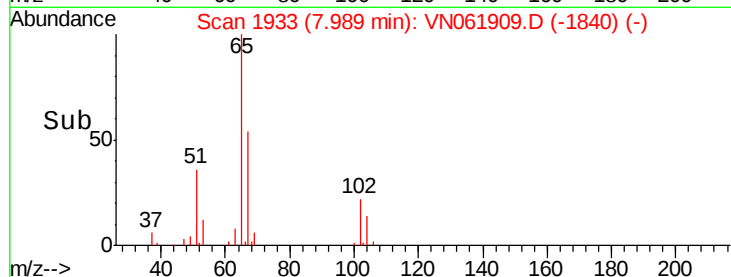
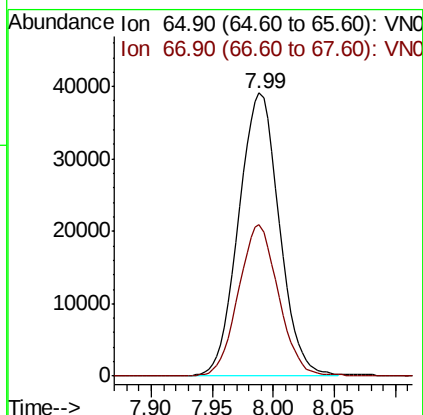
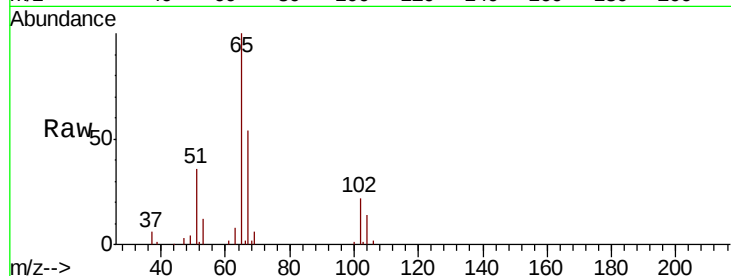




#33
 1,2-Dichloroethane-d4
 Concen: 49.682 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061909.D
 Acq: 18 Jun 2020 18:51

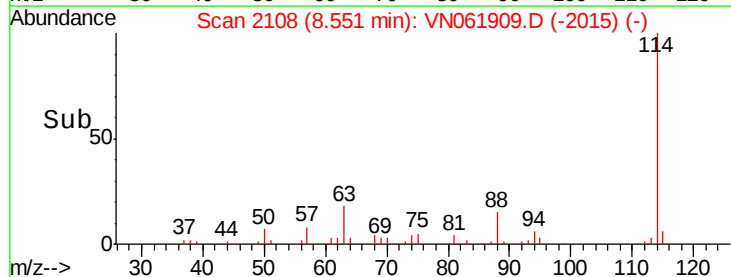
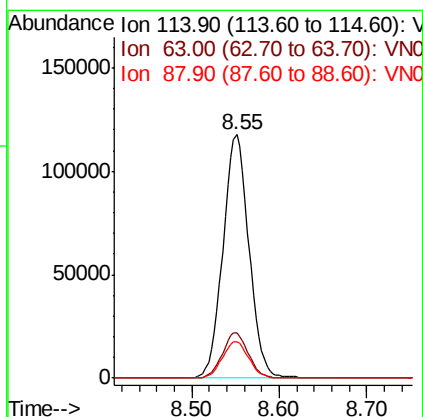
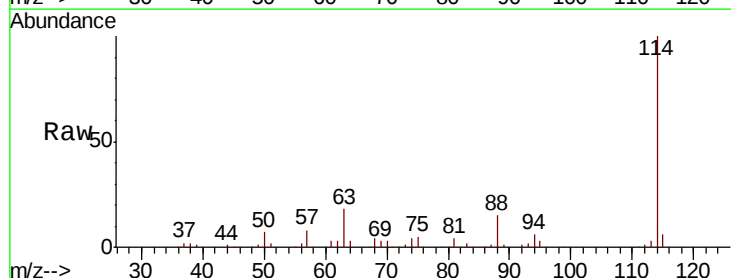
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0571DL

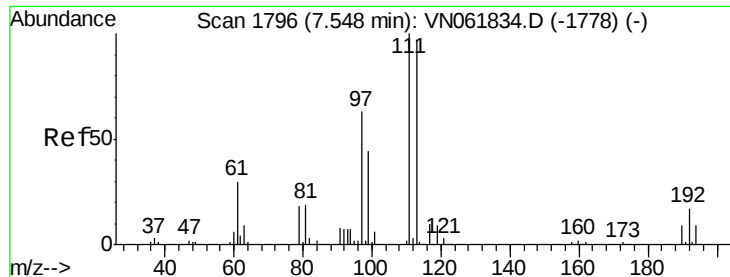
Tot Ion: 65 Resp: 90159
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061909.D
 Acq: 18 Jun 2020 18:51

Tgt Ion: 114 Resp: 243014
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 37.6
 88 15.1 0.0 31.0

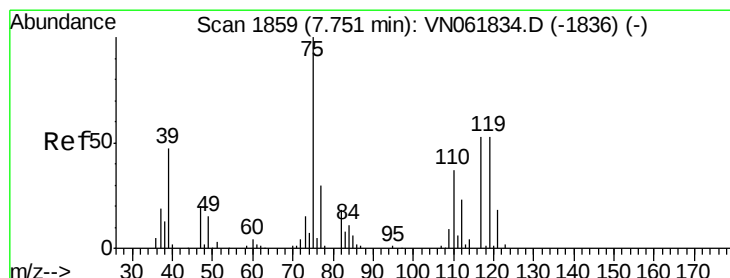
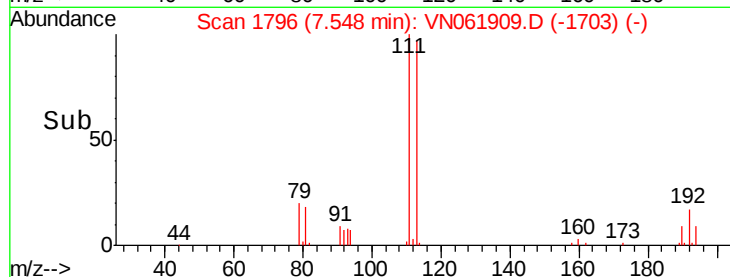
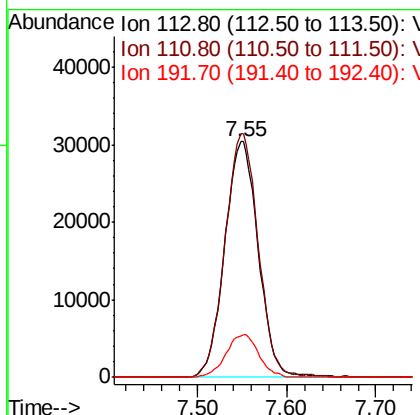
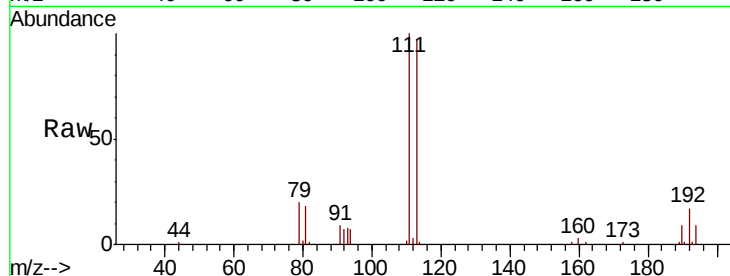




#35
 Dibromofluoromethane
 Concen: 50.947 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061909.D
 Acq: 18 Jun 2020 18:51

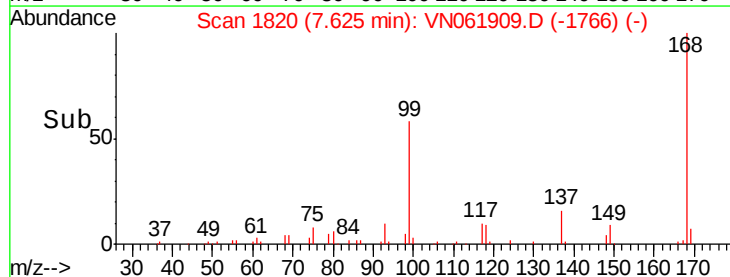
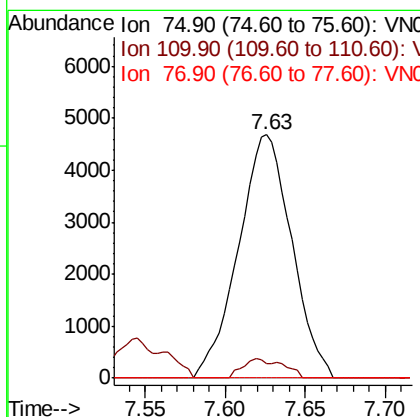
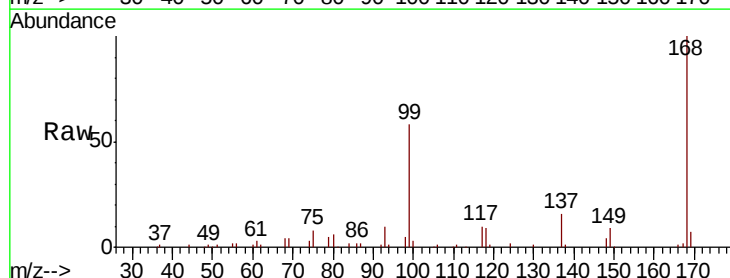
Instrument :
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 ClientSampleId :
 S49-0571DL

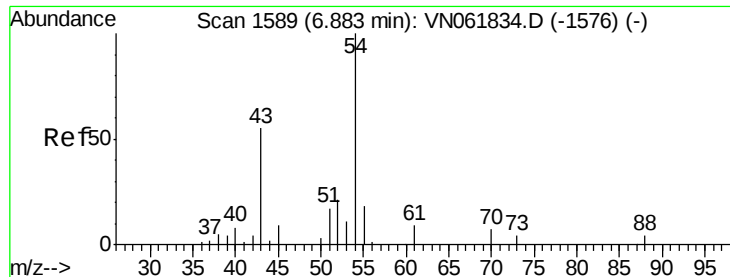
Tot Ion:113 Resp: 79206
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.7 125.5
 192 17.7 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.815 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061909.D
 Acq: 18 Jun 2020 18:51

Tgt Ion: 75 Resp: 10672
 Ion Ratio Lower Upper
 75 100
 110 6.0 18.2 54.6#
 77 0.0 24.2 36.4#

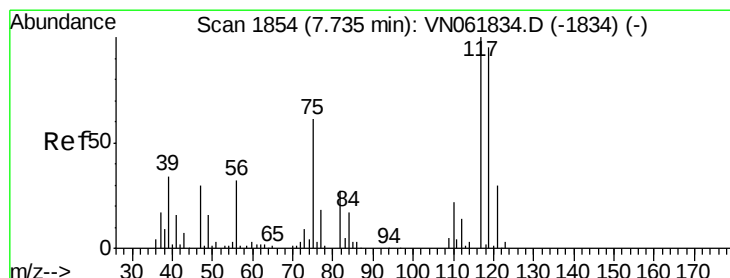
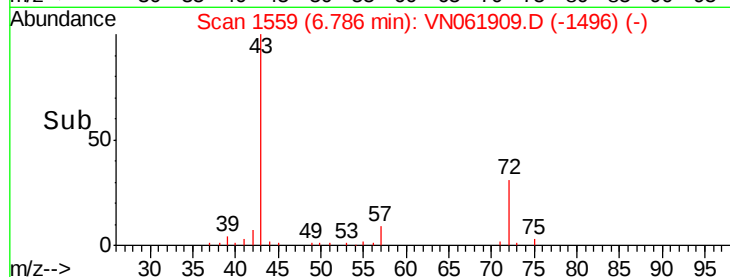
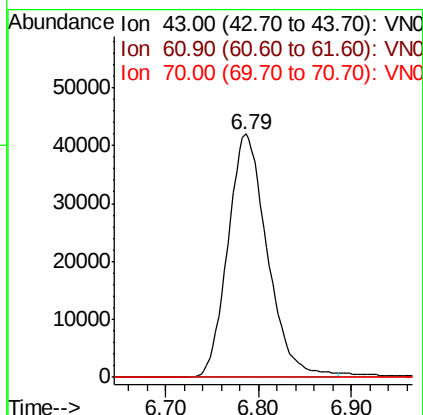
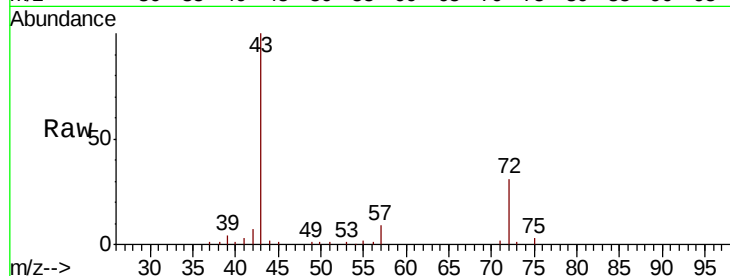




#37
Ethyl Acetate
Concen: 71.629 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.10 min
Lab File: VN061909.D
Acq: 18 Jun 2020 18:51

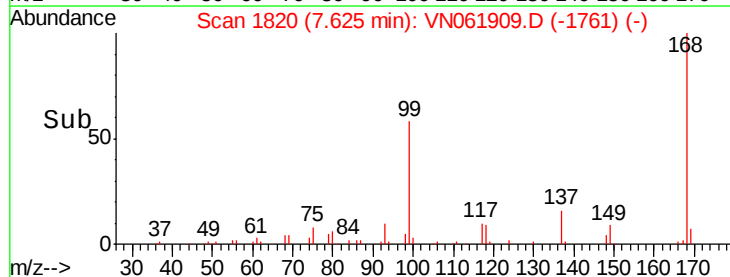
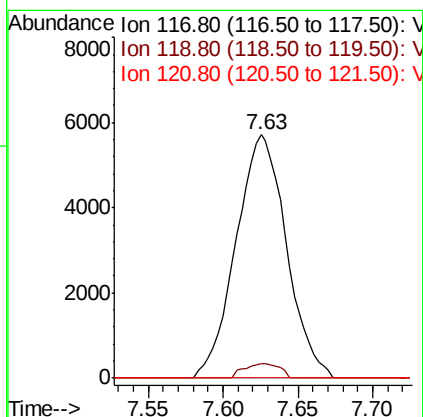
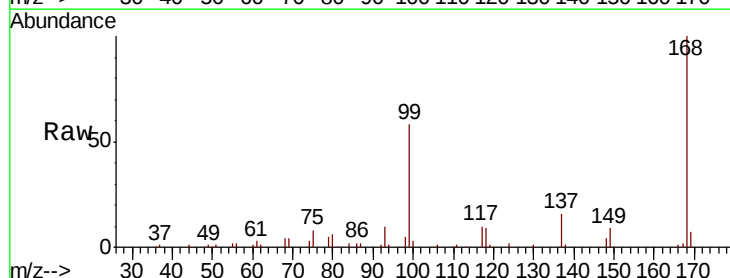
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S49-0571DL

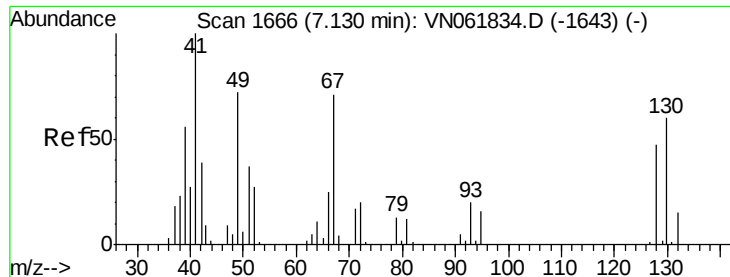
Tot Ion: 43 Resp: 123984
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.107 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061909.D
Acq: 18 Jun 2020 18:51

Tgt Ion: 117 Resp: 13404
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 23.8 35.6#





#41

Methacrylonitrile

Concen: 4.739 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.02 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

S49-0571DL

Tot Ion: 41 Resp: 3508

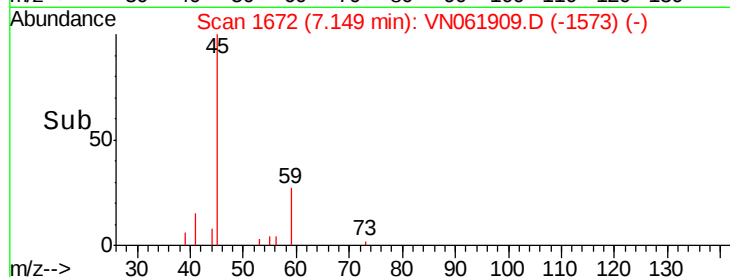
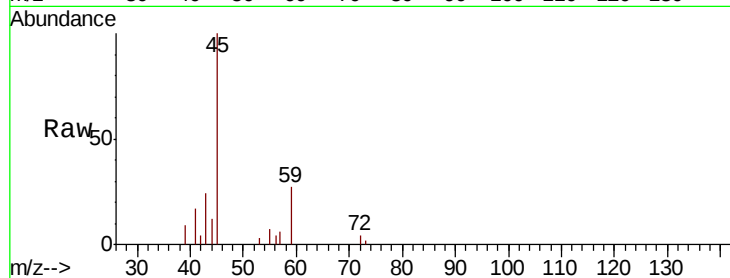
Ion Ratio Lower Upper

41 100

39 30.7 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

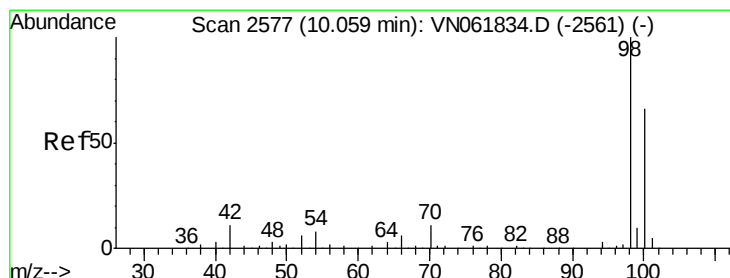
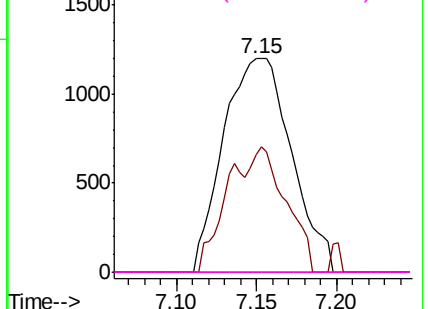


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#50

Toluene-d8

Concen: 49.799 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061909.D

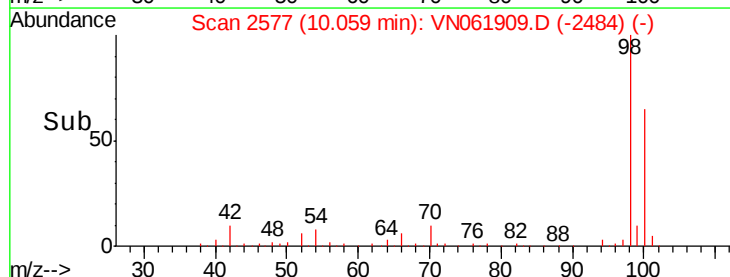
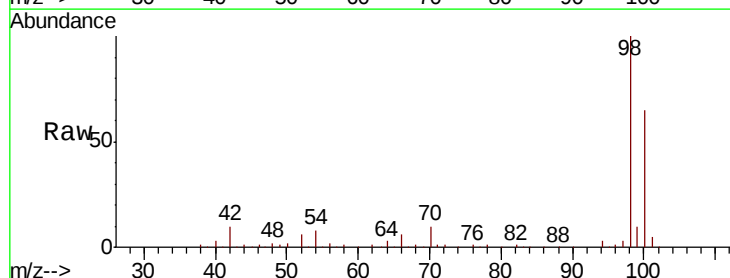
Acq: 18 Jun 2020 18:51

Tgt Ion: 98 Resp: 304376

Ion Ratio Lower Upper

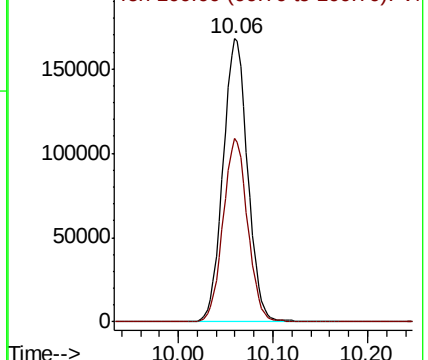
98 100

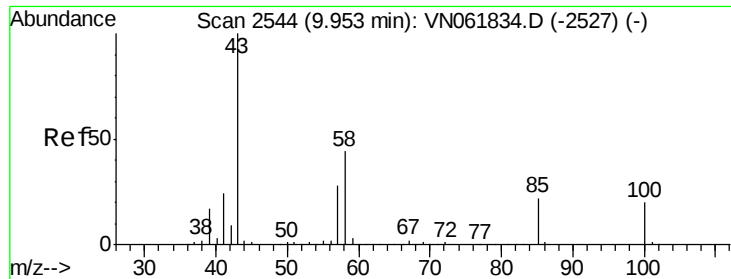
100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.724 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

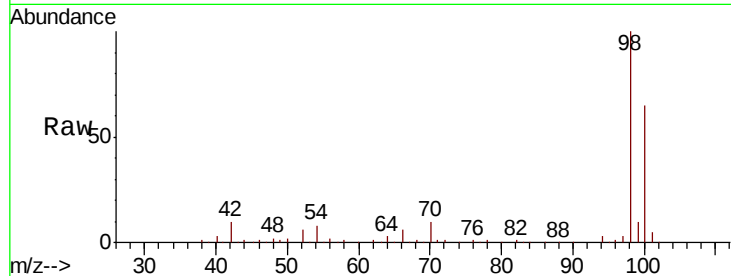
S49-0571DL

Tot Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 160.3 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) (-)

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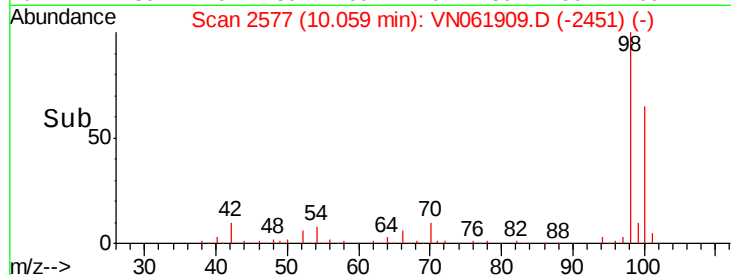
10.06

10.06

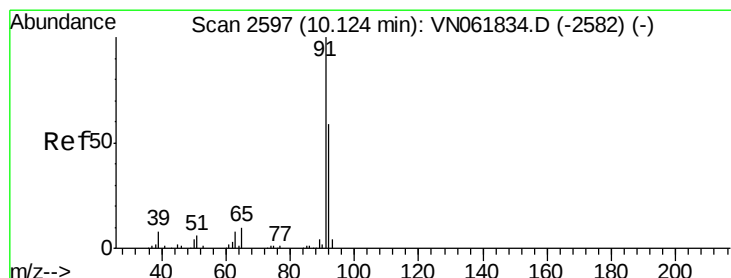
10.06

10.06

10.06



Time--> 10.00 10.05 10.10



#52

Toluene

Concen: 0.228 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061909.D

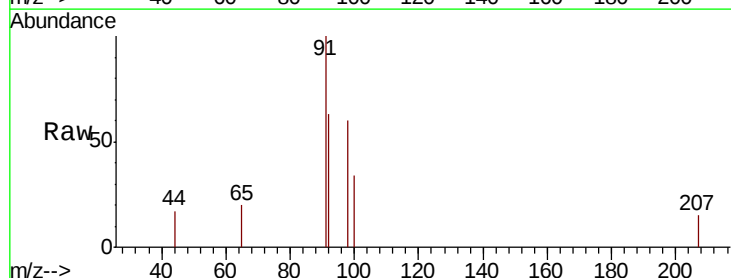
Acq: 18 Jun 2020 18:51

Tgt Ion: 92 Resp: 960

Ion Ratio Lower Upper

92 100

91 184.2 137.1 205.7



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

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

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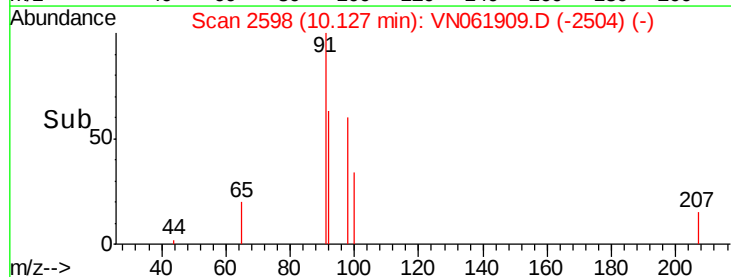
10.13

10.13

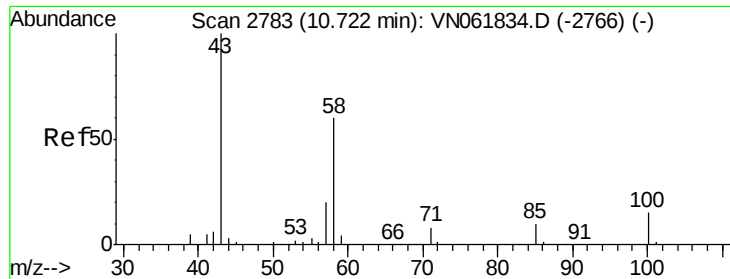
10.13

10.13

10.13



Time--> 10.10 10.15



#59

2-Hexanone

Concen: 13.447 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

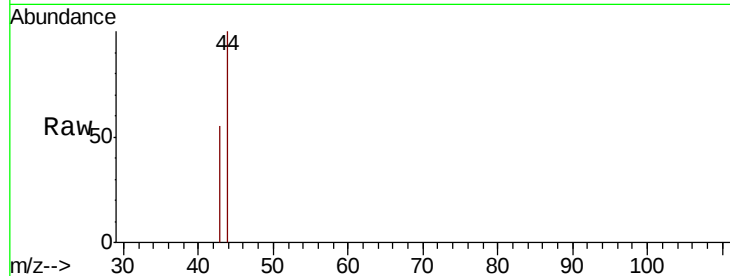
S49-0571DL

Tot Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.5#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2766) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2766) (-)

10.73

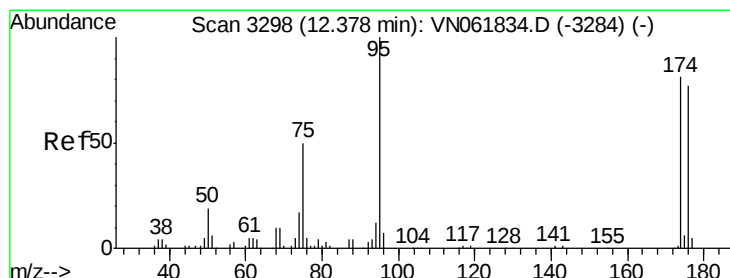
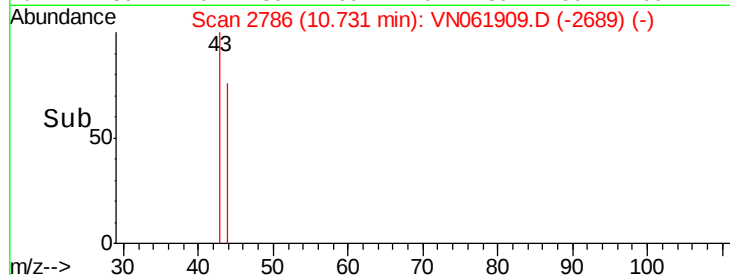
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.306 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

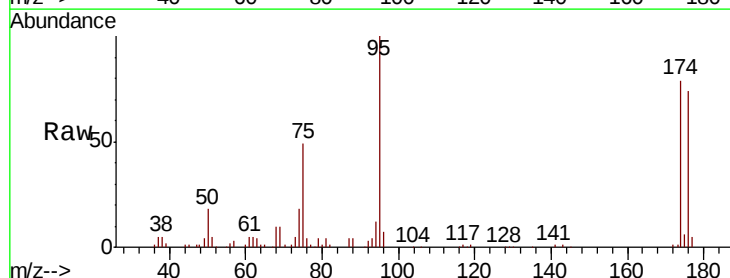
Tgt Ion: 95 Resp: 99178

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.6

176 74.0 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

80000

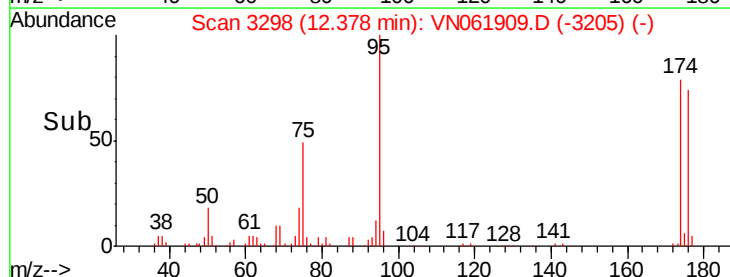
60000

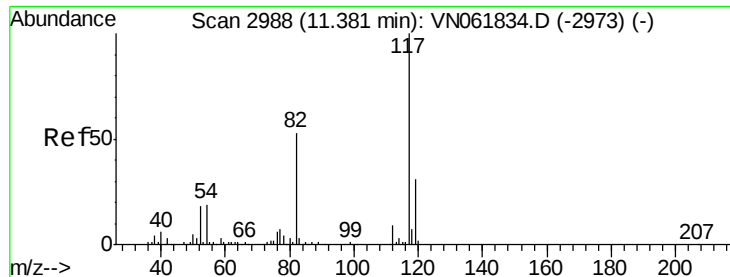
40000

20000

0

Time-->

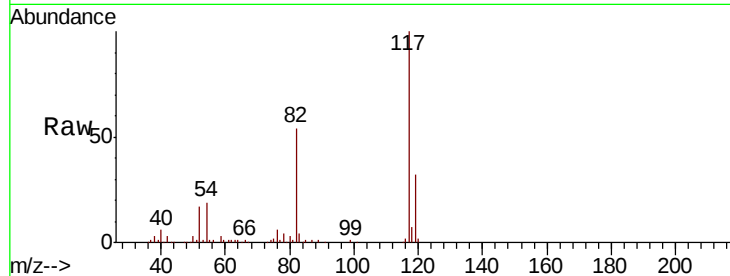




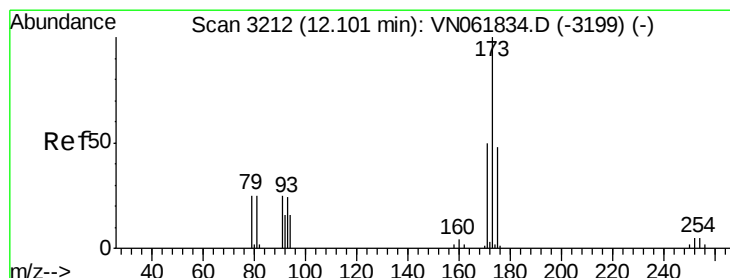
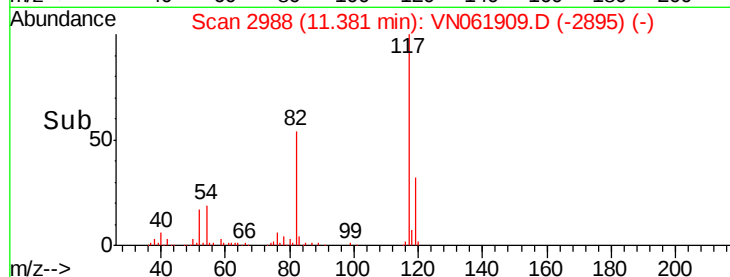
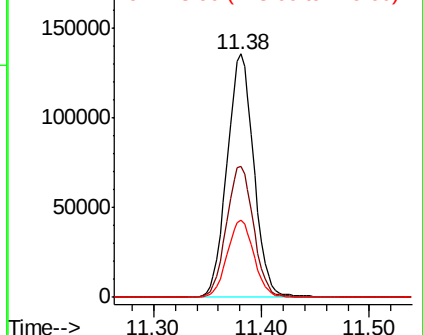
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061909.D
Acq: 18 Jun 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
S49-0571DL

Tot Ion:117 Resp: 234845
Ion Ratio Lower Upper
117 100
82 53.8 42.6 64.0
119 31.6 24.7 37.1

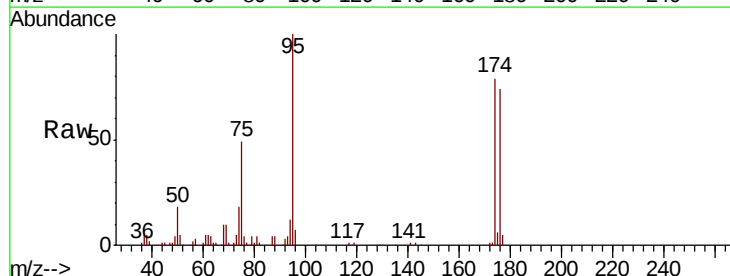


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

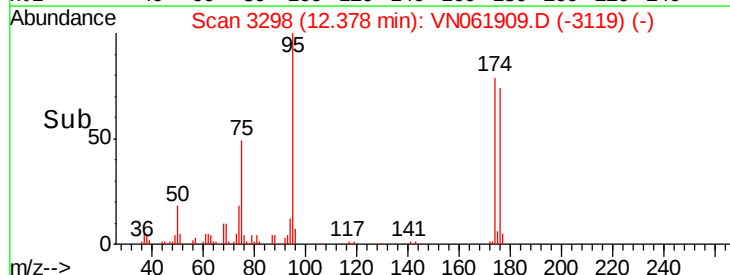
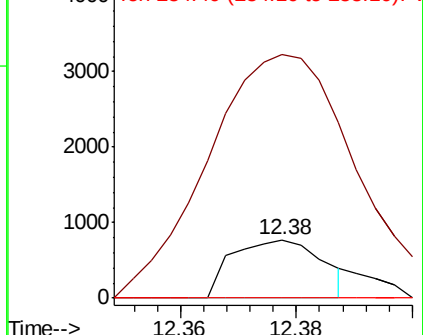


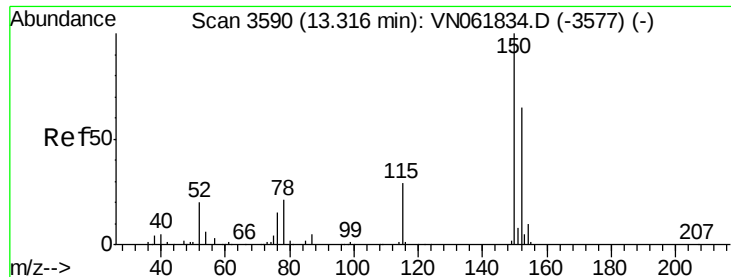
#71
Bromoform
Concen: 0.659 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061909.D
Acq: 18 Jun 2020 18:51

Tgt Ion:173 Resp: 831
Ion Ratio Lower Upper
173 100
175 575.1 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: VN061909.D

Acq: 18 Jun 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

S49-0571DL

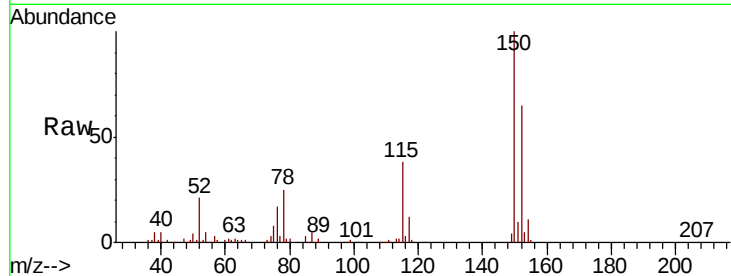
Tot Ion:152 Resp: 91157

Ion Ratio Lower Upper

152 100

115 57.8 29.1 87.3

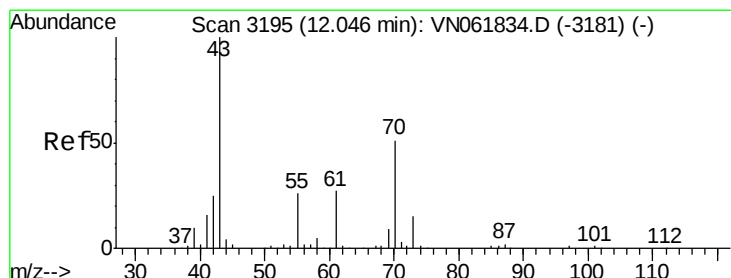
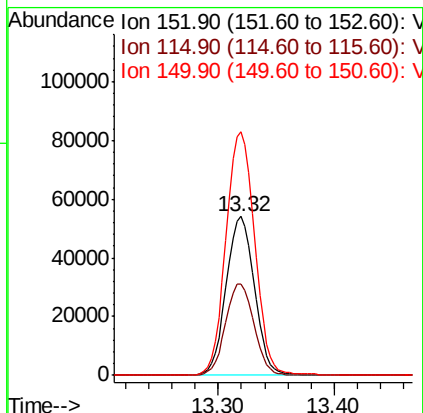
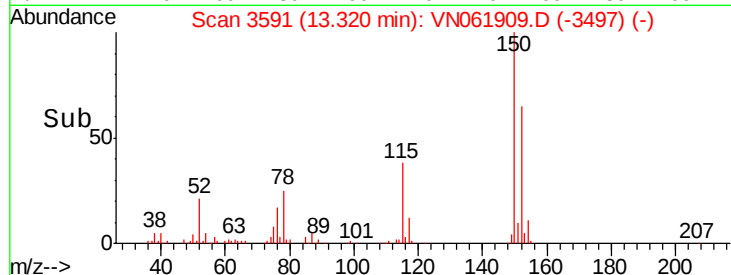
150 156.3 0.0 347.6



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



#74

N-ethyl acetate

Concen: 3.102 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

Tgt Ion: 43 Resp: 95

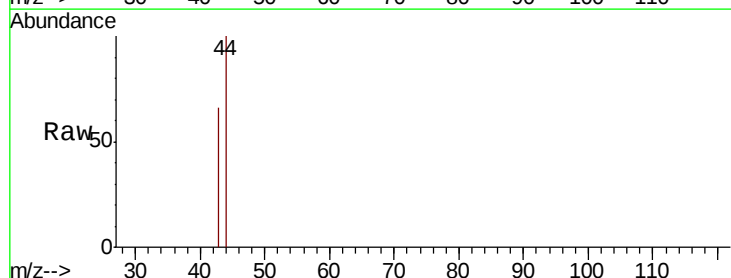
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

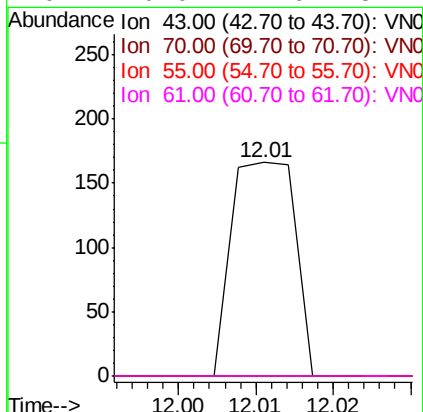
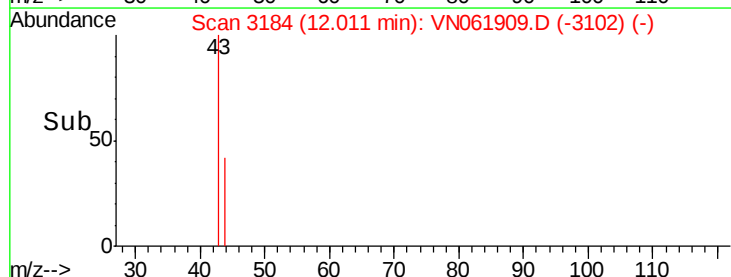


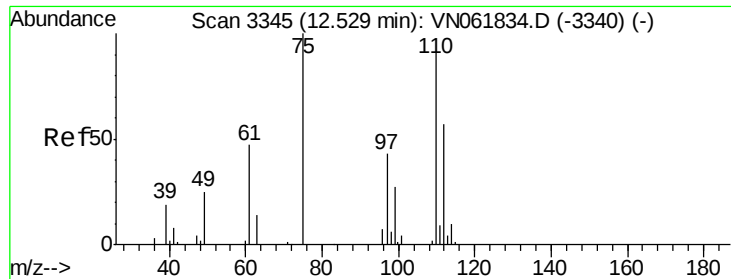
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 27.169 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

Instrument :

MSVOA_N

ClientSampled :

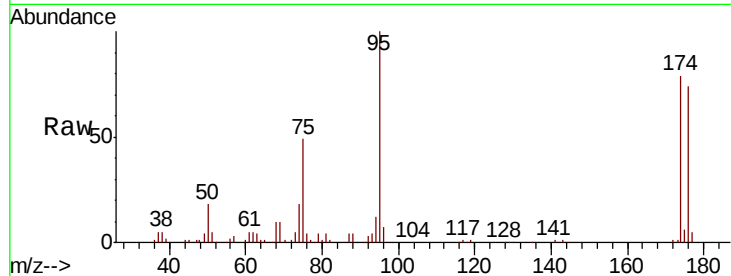
S49-0571DL

Tot Ion: 75 Resp: 48622

Ion Ratio Lower Upper

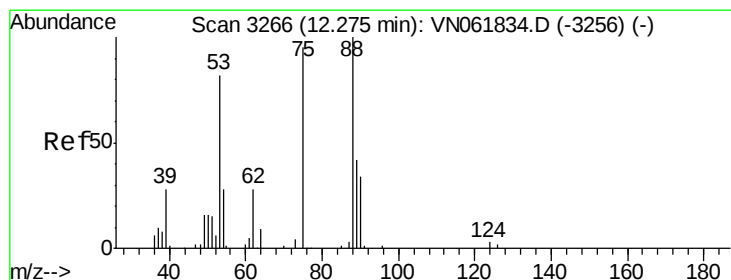
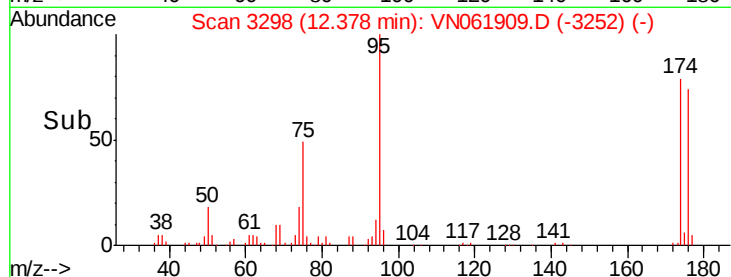
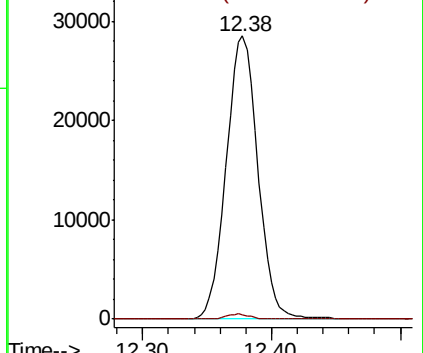
75 100

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: 74.100 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061909.D

Acq: 18 Jun 2020 18:51

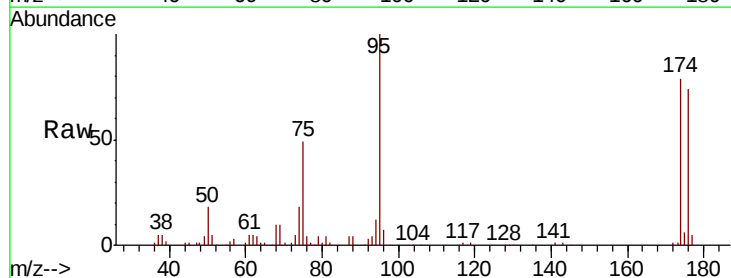
Tgt Ion: 75 Resp: 48622

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

