

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061908.D
 Acq On : 18 Jun 2020 18:27
 Operator : JC/MD
 Sample : L3026-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0572

Quant Time: Jun 19 05:28:17 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	135275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	250981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90492	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	91391	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
35) Dibromofluoromethane	7.55	113	81403	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.06	98	312468	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	12.38	95	101194	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

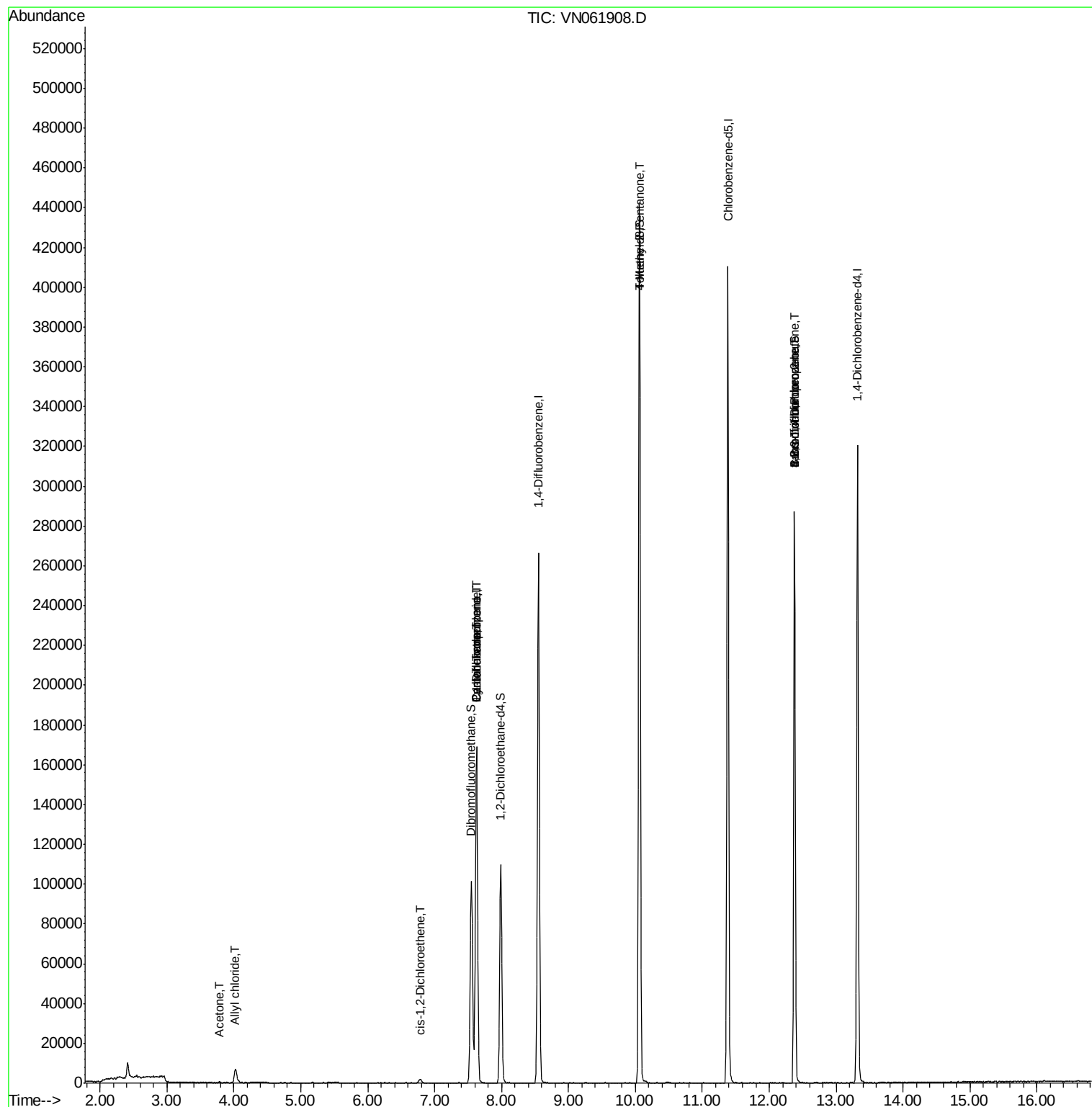
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.02	41	997	0.547	ug/l #	52
16) Acetone	3.79	43	1031	1.924	ug/l #	40
27) cis-1,2-Dichloroethene	6.78	96	494	0.271	ug/l	47
31) Cyclohexane	7.63	56	2917	1.220	ug/l #	10
36) 1,1-Dichloropropene	7.63	75	10860	4.744	ug/l #	45
38) Carbon Tetrachloride	7.63	117	13979	6.166	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1024	0.575	ug/l #	1
71) Bromoform	12.38	173	458	0.353	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48825	27.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48825	74.956	ug/l #	14

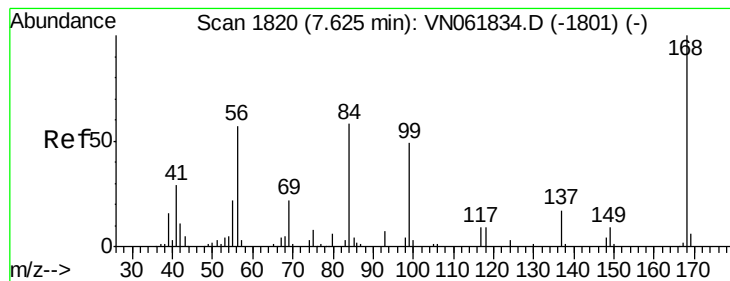
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

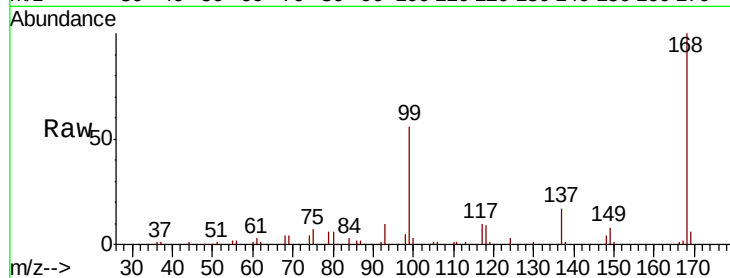
S49-0572

Tot Ion:168 Resp: 135275

Ion Ratio Lower Upper

168 100

99 56.2 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

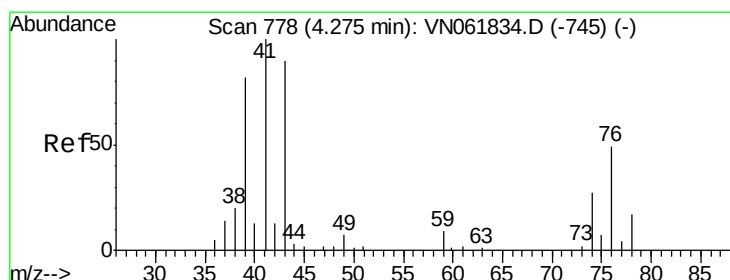
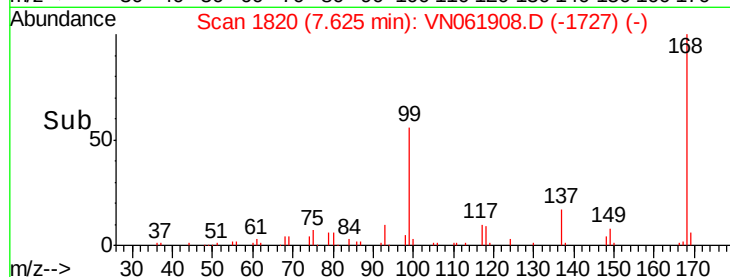
40000

20000

0

Time-->

7.55 7.60 7.65 7.70



#14

Allyl chloride

Concen: 0.547 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.25 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

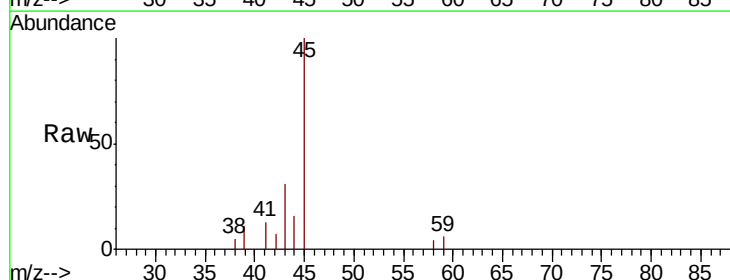
Tgt Ion: 41 Resp: 997

Ion Ratio Lower Upper

41 100

39 45.1 60.2 90.2#

76 0.0 36.3 54.5#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

4.02

600

500

400

300

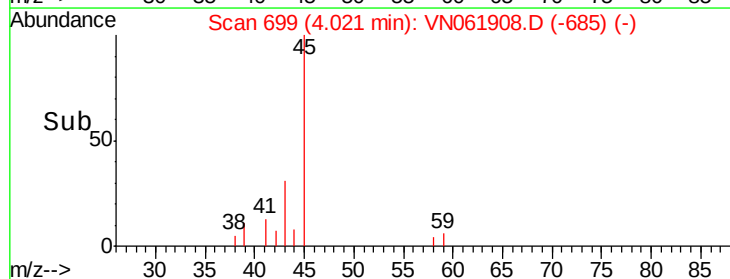
200

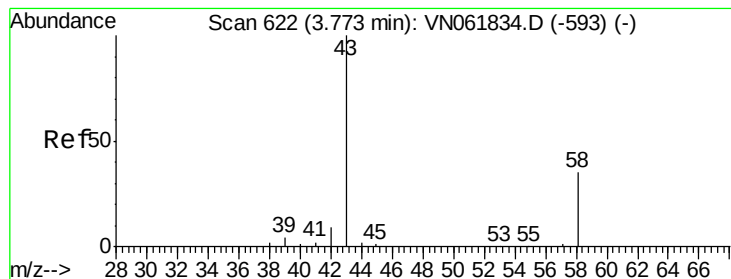
100

0

Time-->

4.00 4.05





#16

Acetone

Concen: 1.924 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

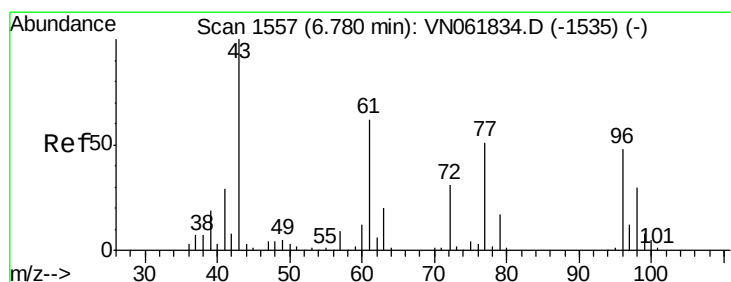
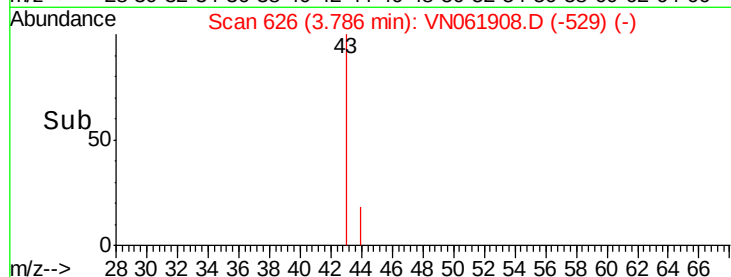
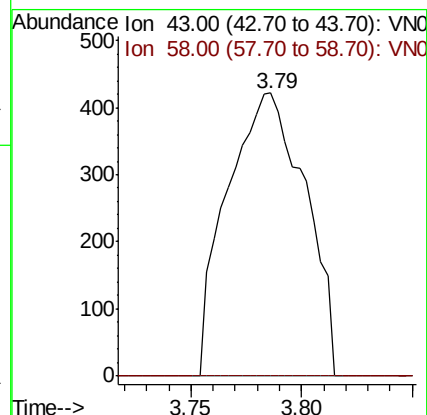
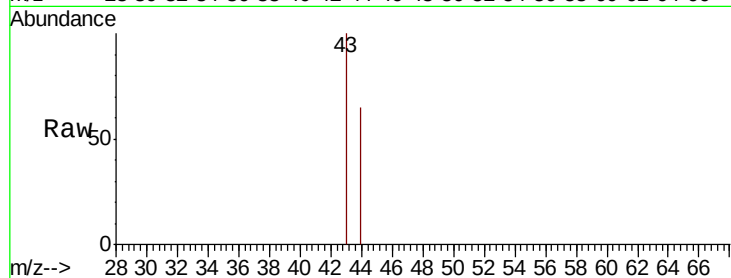
S49-0572

Tot Ion: 43 Resp: 1031

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



#27

cis-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061908.D

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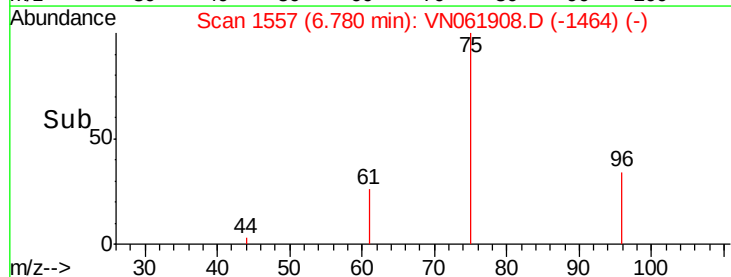
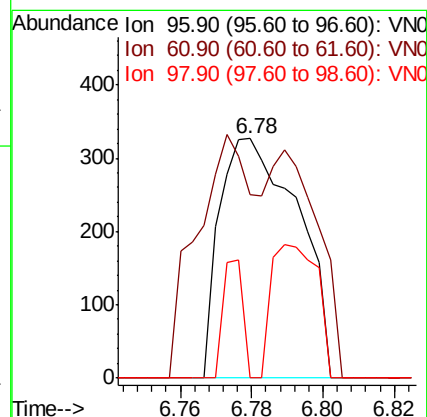
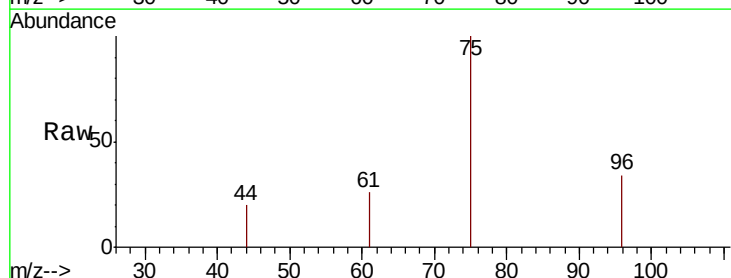
Tgt Ion: 96 Resp: 494

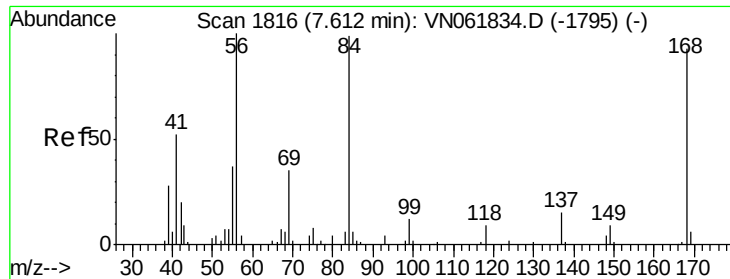
Ion Ratio Lower Upper

96 100

61 77.3 0.0 265.6

98 12.6 0.0 128.2

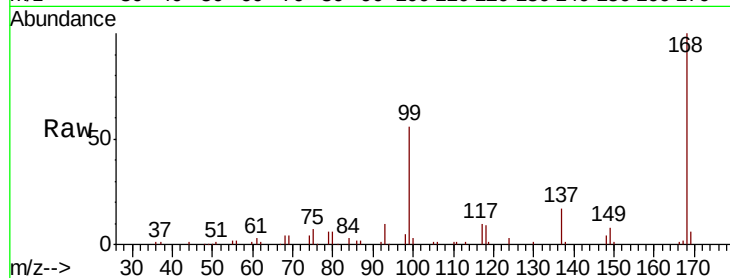




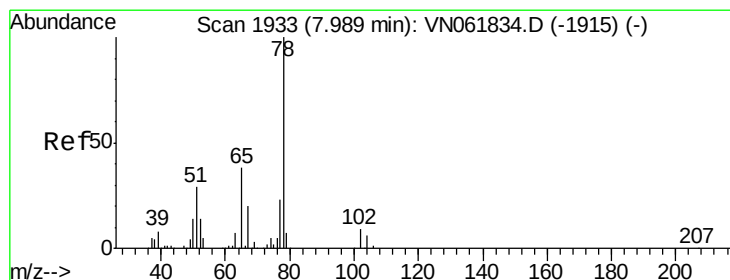
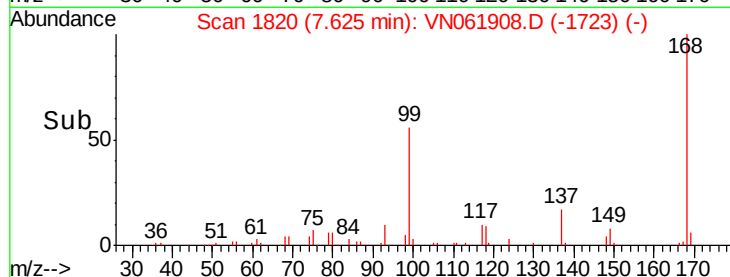
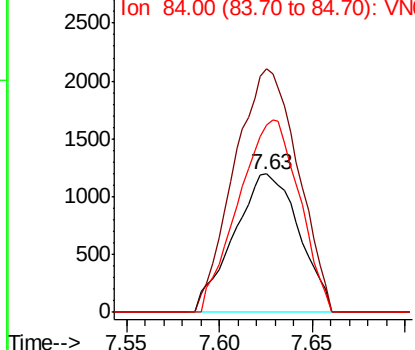
#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061908.D
Acq: 18 Jun 2020 18:27

Instrument :
MSVOA_N
ClientSampled :
S49-0572

Tot Ion: 56 Resp: 2917
Ion Ratio Lower Upper
56 100
69 175.7 27.7 41.5#
84 134.8 79.1 118.7#

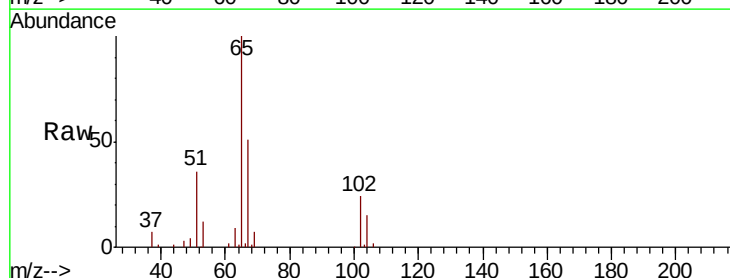


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

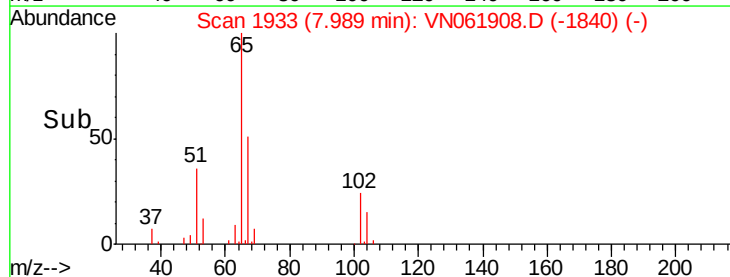
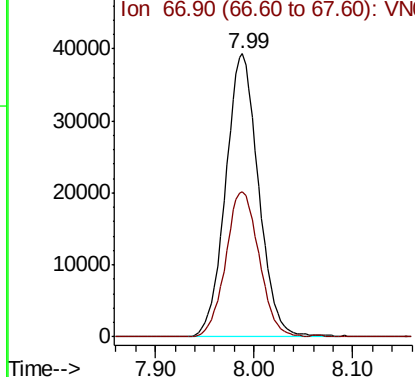


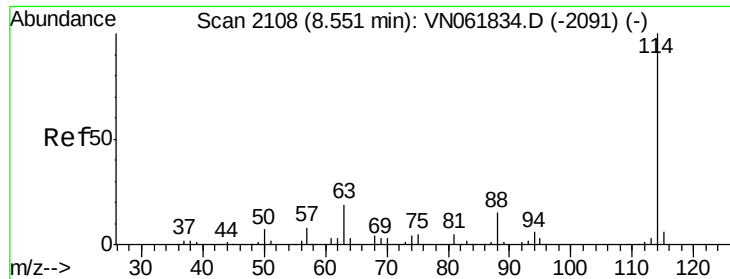
#33
1,2-Dichloroethane-d4
Concen: 50.374 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061908.D
Acq: 18 Jun 2020 18:27

Tgt Ion: 65 Resp: 91391
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.2



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

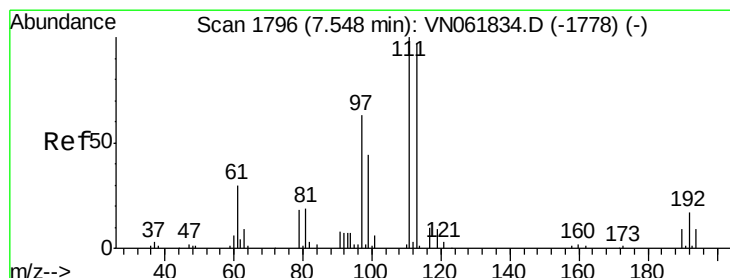
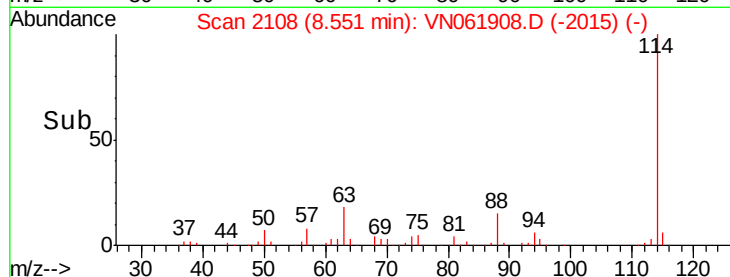
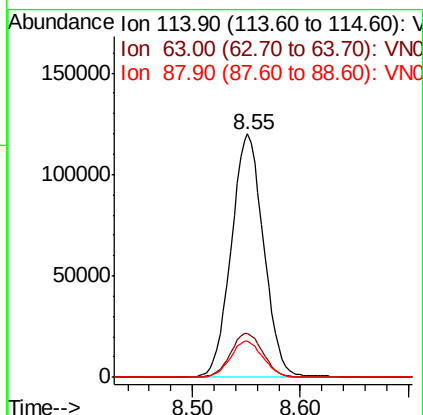
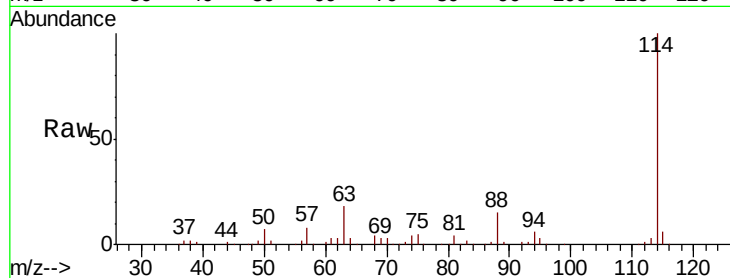




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061908.D
 Acq: 18 Jun 2020 18:27

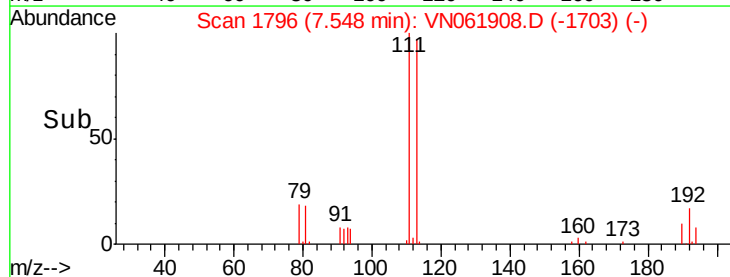
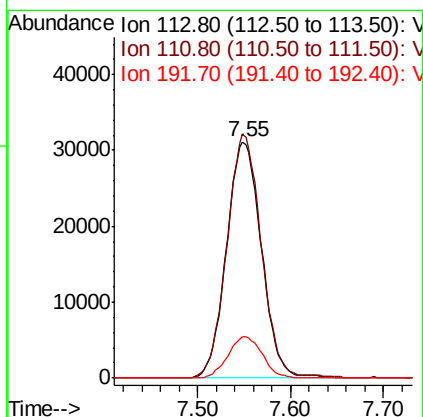
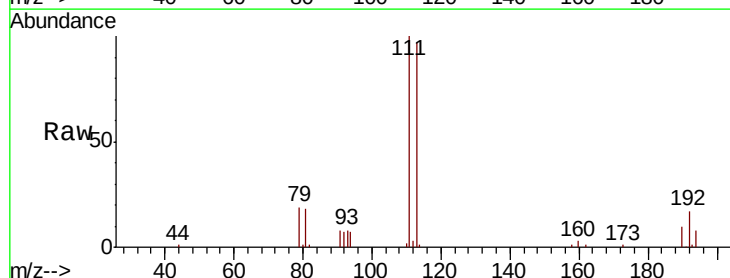
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0572

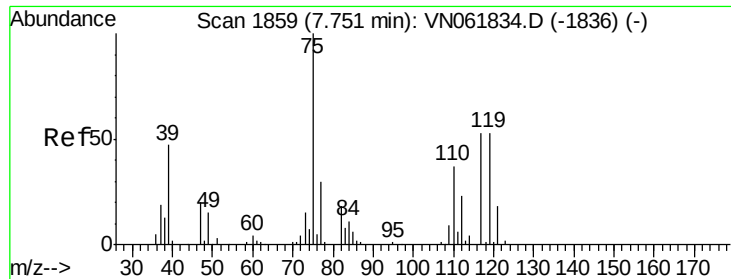
Tot Ion:114 Resp: 250981
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 37.6
 88 14.7 0.0 31.0



#35
 Dibromofluoromethane
 Concen: 50.698 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061908.D
 Acq: 18 Jun 2020 18:27

Tgt Ion:113 Resp: 81403
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.7 125.5
 192 17.1 13.9 20.9

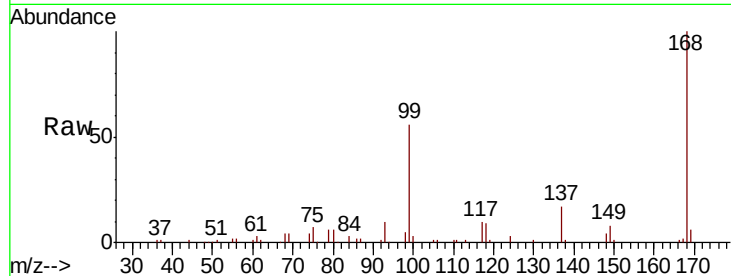




#36
 1,1-Dichloropropene
 Concen: 4.744 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061908.D
 Acq: 18 Jun 2020 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0572

Tot Ion	75	Resp	10860
Ion Ratio	Lower	Upper	
75	100		
110	3.9	18.2	54.6#
77	0.0	24.2	36.4#

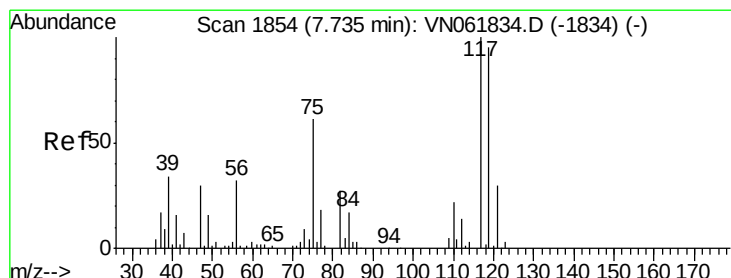
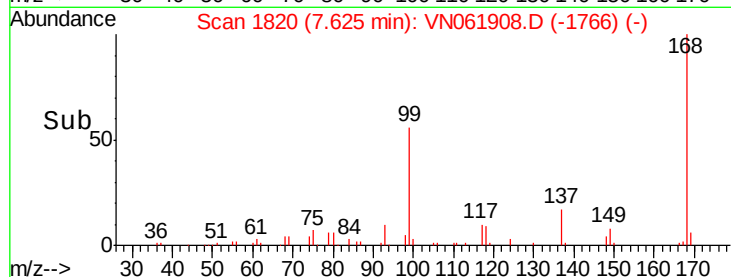
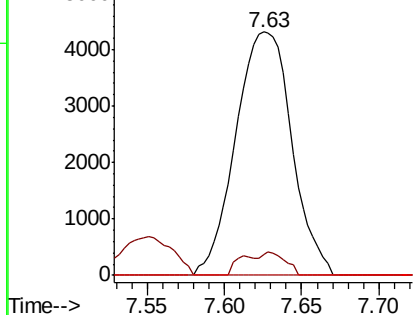


Abundance

Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)

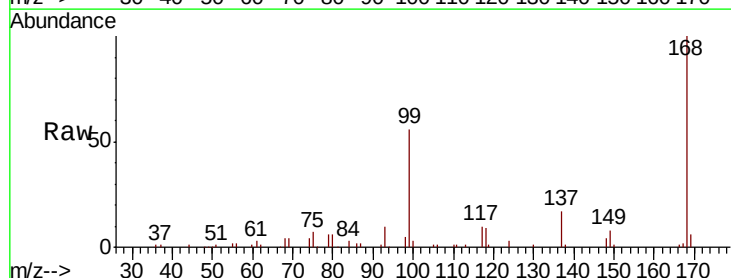
Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)



#38
 Carbon Tetrachloride
 Concen: 6.166 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061908.D
 Acq: 18 Jun 2020 18:27

Tgt Ion	117	Resp	13979
Ion Ratio	Lower	Upper	
117	100		
119	5.9	75.8	113.6#
121	0.0	23.8	35.6#

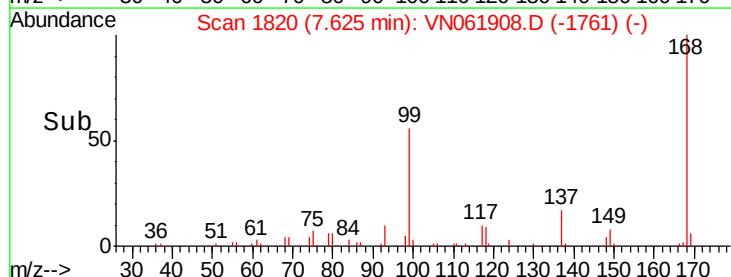
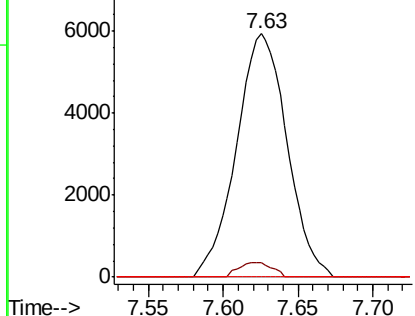


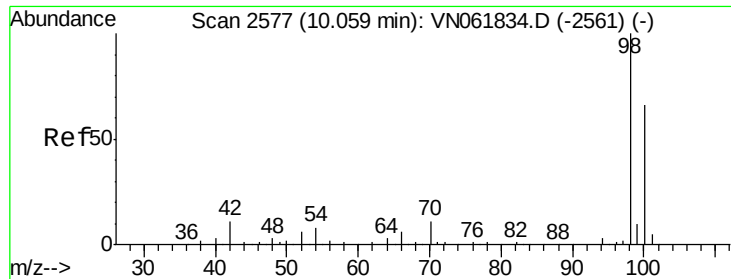
Abundance

Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)





#50

Toluene-d8

Concen: 49.500 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

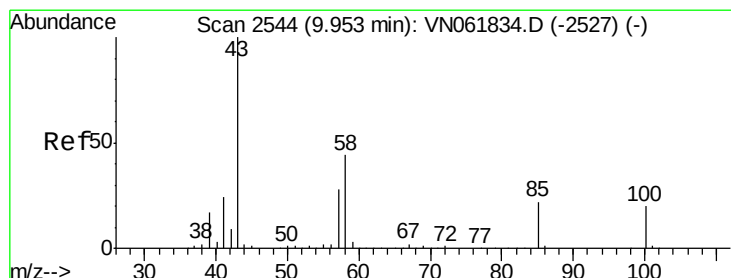
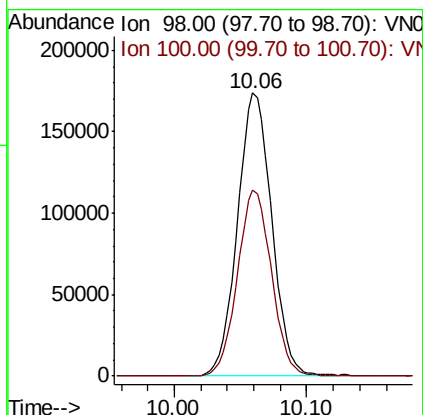
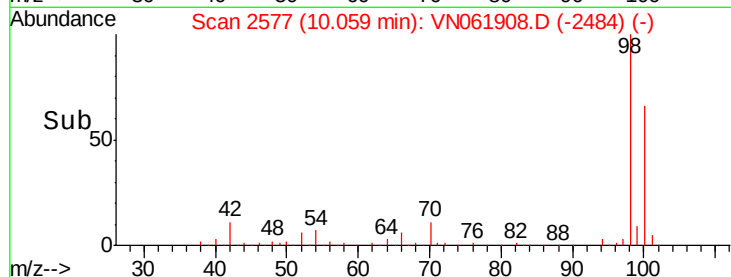
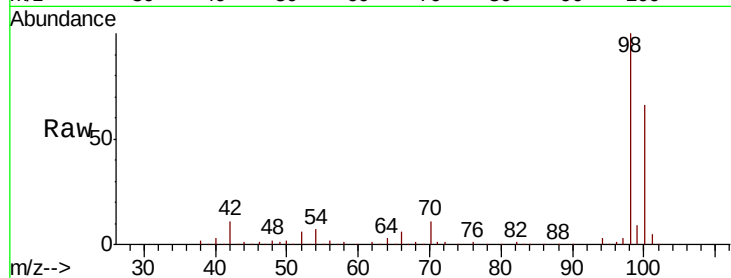
S49-0572

Tot Ion: 98 Resp: 312468

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 0.575 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061908.D

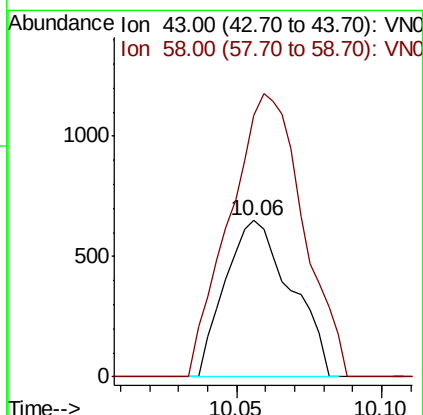
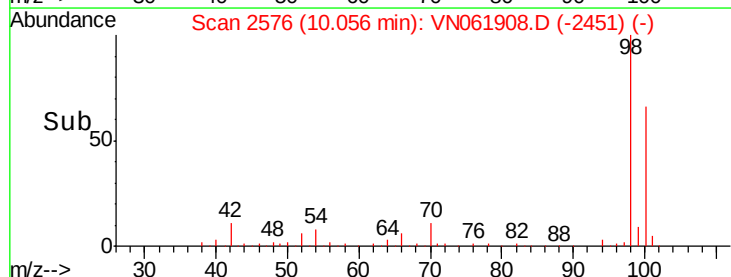
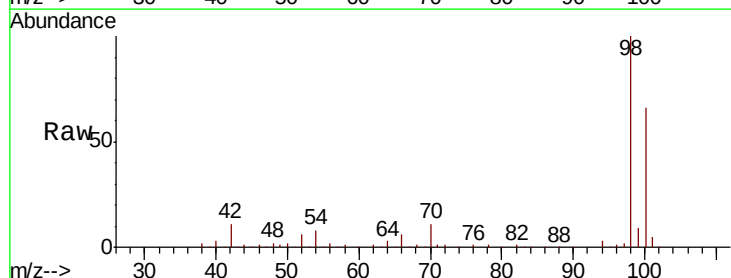
Acq: 18 Jun 2020 18:27

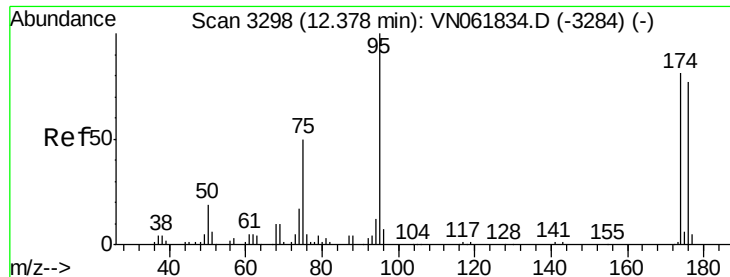
Tgt Ion: 43 Resp: 1024

Ion Ratio Lower Upper

43 100

58 202.1 34.6 52.0#

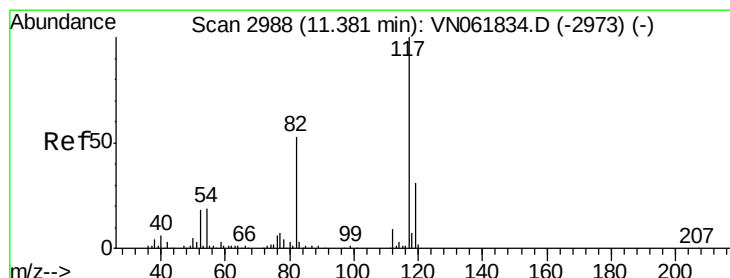
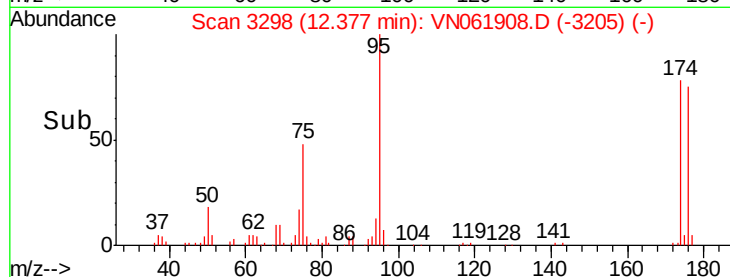
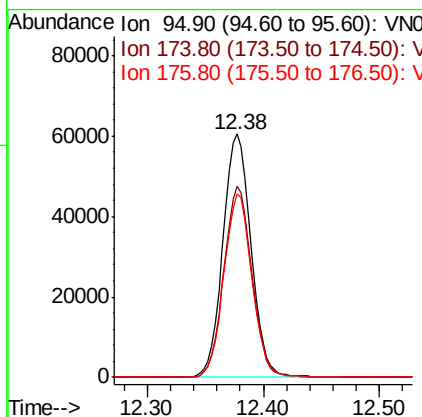
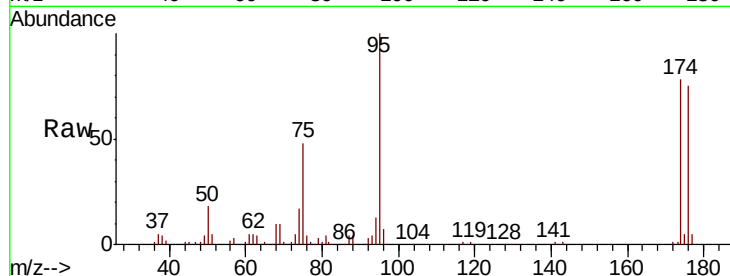




#62
 4-Bromofluorobenzene
 Concen: 46.735 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061908.D
 Acq: 18 Jun 2020 18:27

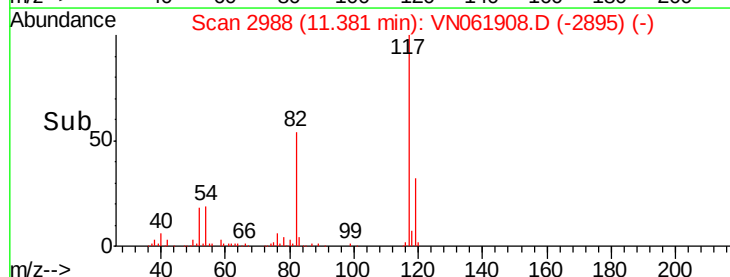
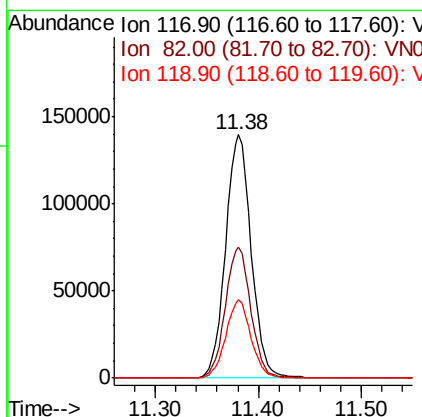
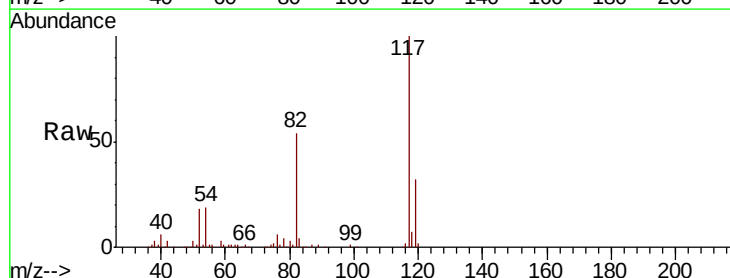
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0572

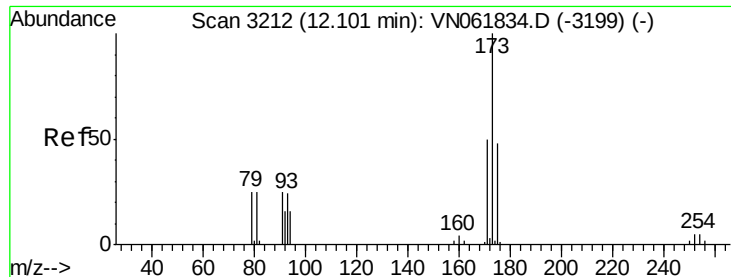
Tot Ion	95	Resp	101194
Ion Ratio	100		
Lower			
Upper			
174	78.5	0.0	158.6
176	75.3	0.0	152.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061908.D
 Acq: 18 Jun 2020 18:27

Tgt Ion	117	Resp	241954
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	53.9	42.6	64.0
119	32.3	24.7	37.1





#71

Bromoform

Concen: 0.353 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0572

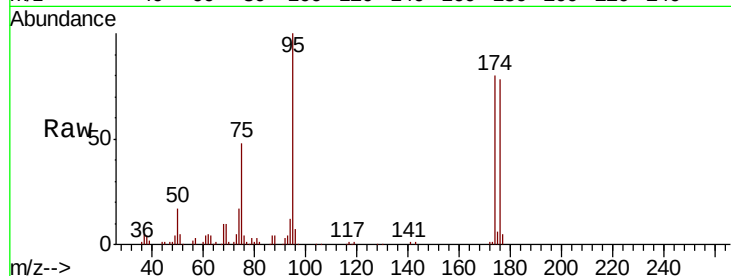
Tot Ion:173 Resp: 458

Ion Ratio Lower Upper

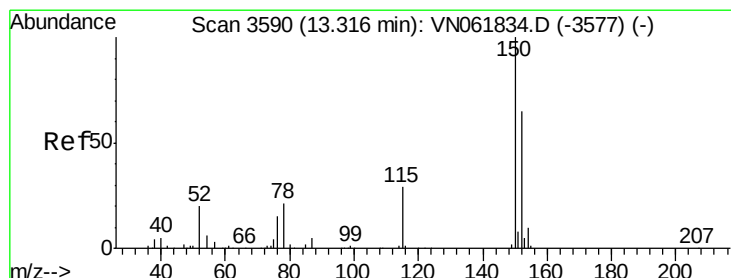
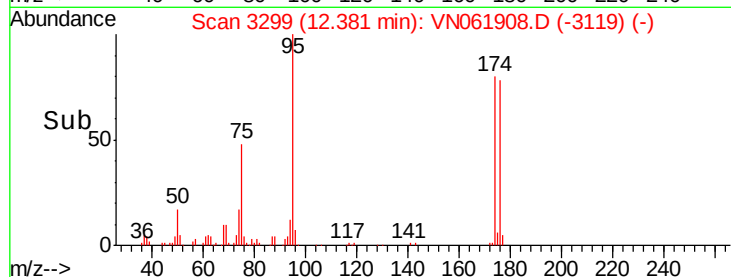
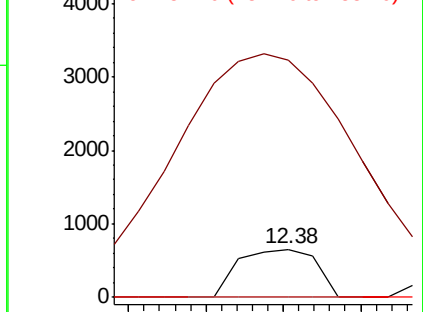
173 100

175 1038.6 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: VN061908.D

Acq: 18 Jun 2020 18:27

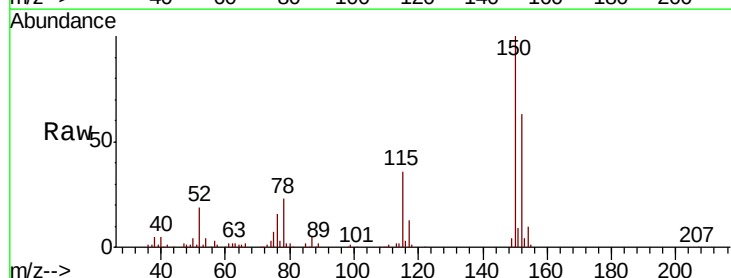
Tgt Ion:152 Resp: 90492

Ion Ratio Lower Upper

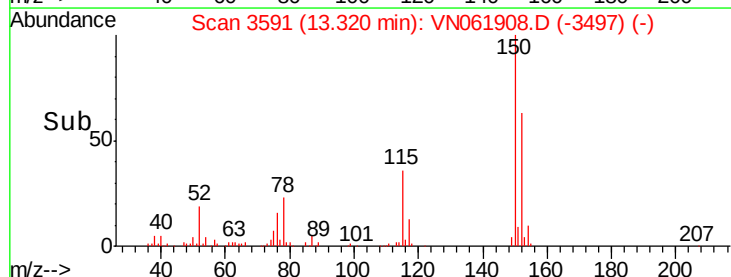
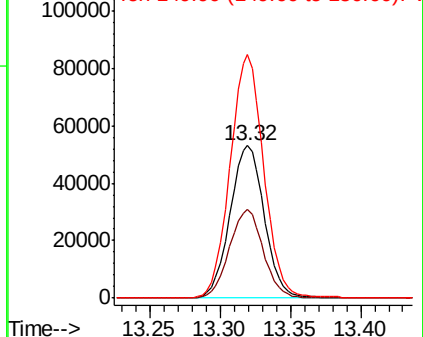
152 100

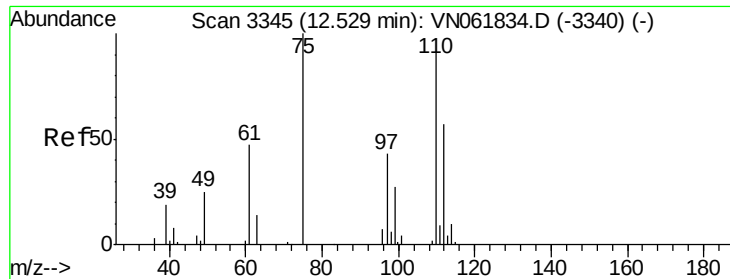
115 57.5 29.1 87.3

150 156.9 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: 27.483 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

Instrument :

MSVOA_N

ClientSampleId :

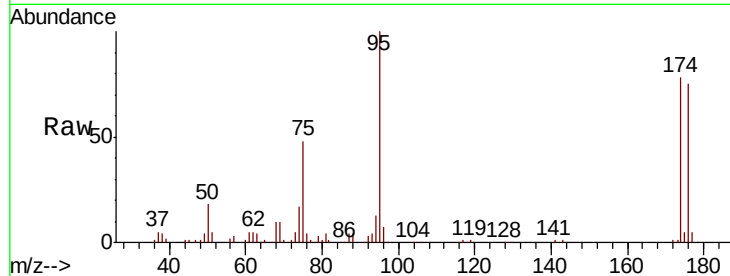
S49-0572

Tot Ion: 75 Resp: 48825

Ion Ratio Lower Upper

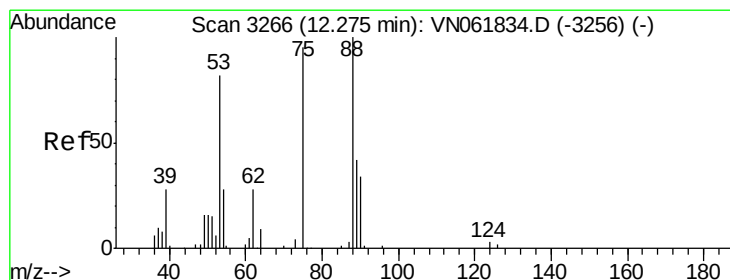
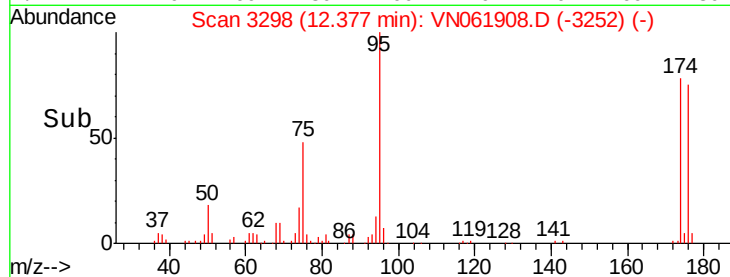
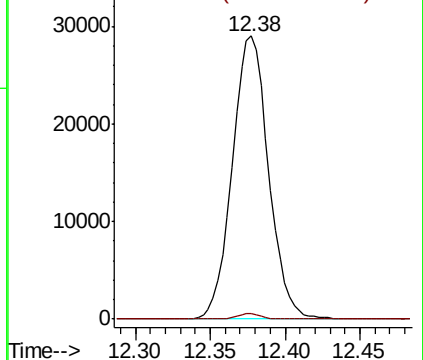
75 100

77 1.1 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: 74.956 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061908.D

Acq: 18 Jun 2020 18:27

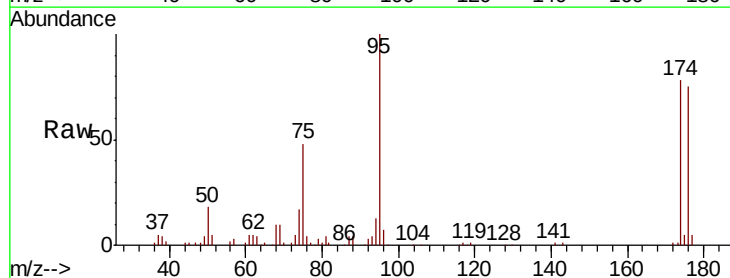
Tgt Ion: 75 Resp: 48825

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

