

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061956.D
 Acq On : 19 Jun 2020 16:50
 Operator : JC/MD
 Sample : L2984-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563DL

Quant Time: Jun 20 07:35:19 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	138086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	249499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	106141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	91060	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	7.55	113	78363	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.18%	
50) Toluene-d8	10.06	98	314882	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.38	95	111013	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.14%	

Target Compounds

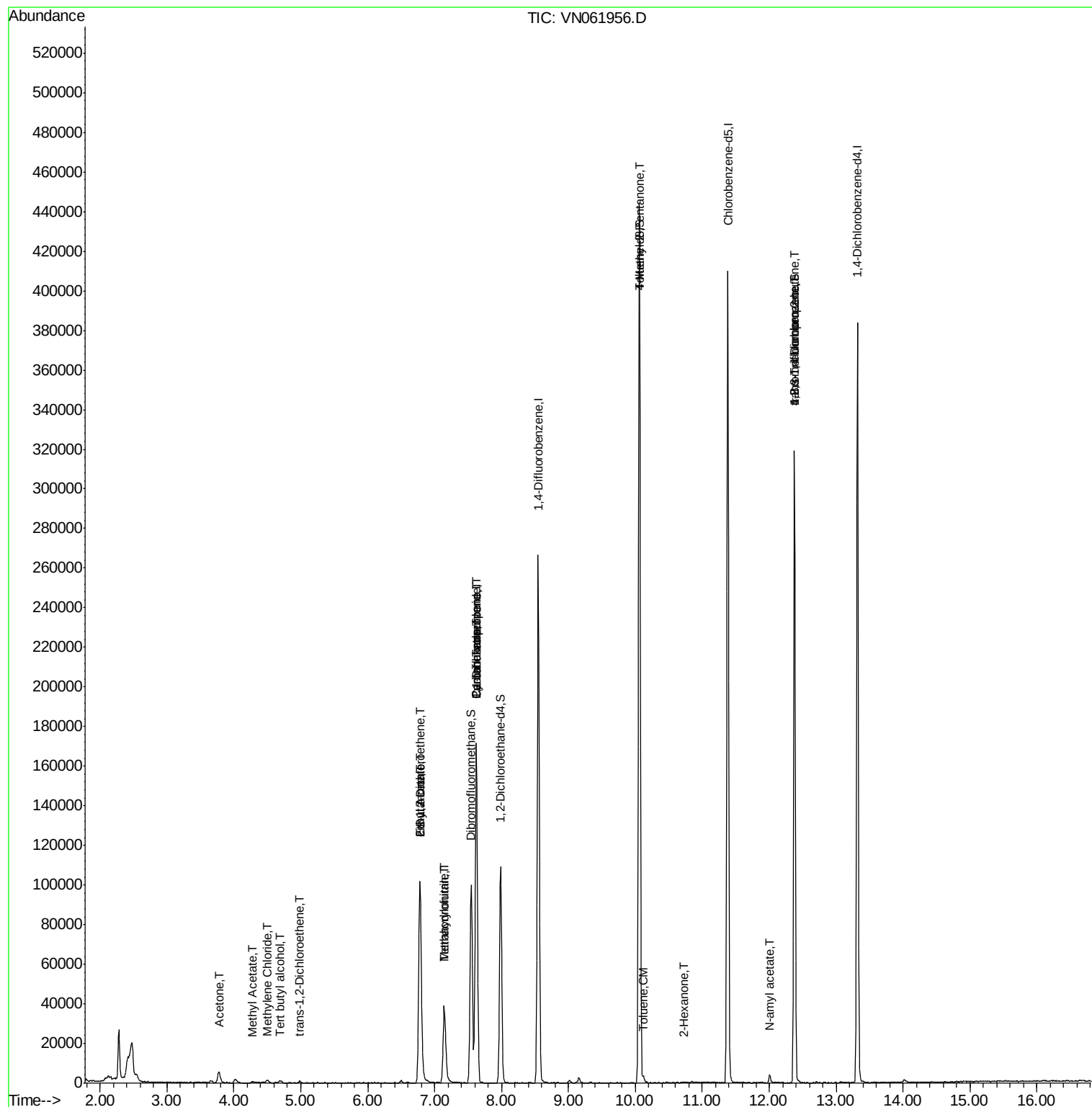
						Qvalue
11) Tert butyl alcohol	4.69	59	1027	4.007	ug/l #	74
16) Acetone	3.78	43	10738	19.630	ug/l	95
18) Methyl Acetate	4.27	43	617	0.392	ug/l #	46
20) Methylene Chloride	4.50	84	1058	0.594	ug/l #	77
21) trans-1,2-Dichloroethene	4.98	96	333	0.207	ug/l #	38
25) 2-Butanone	6.78	43	169828	212.786	ug/l	97
27) cis-1,2-Dichloroethene	6.77	96	1164	0.626	ug/l	50
29) Tetrahydrofuran	7.14	42	2079	3.958	ug/l #	60
31) Cyclohexane	7.63	56	2958	1.212	ug/l #	27
36) 1,1-Dichloropropene	7.62	75	11184	4.915	ug/l #	46
37) Ethyl Acetate	6.78	43	169828	95.564	ug/l #	67
38) Carbon Tetrachloride	7.62	117	13991	6.208	ug/l #	18
41) Methacrylonitrile	7.14	41	8933	11.755	ug/l #	100
51) 4-Methyl-2-Pentanone	10.06	43	1345	0.760	ug/l #	1
52) Toluene	10.12	92	1004	0.232	ug/l	93
59) 2-Hexanone	10.73	43	593	13.804	ug/l #	20
74) N-amyl acetate	12.00	43	3303	4.199	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	55388	26.580	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55388	72.495	ug/l #	14

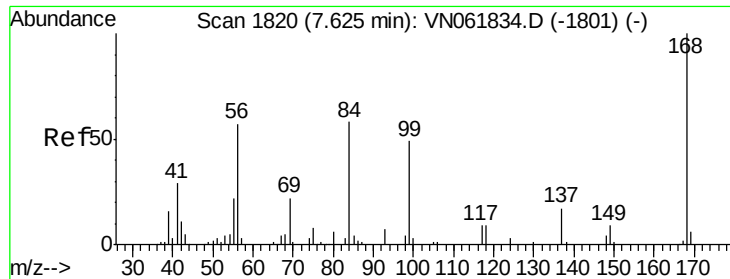
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampleID :

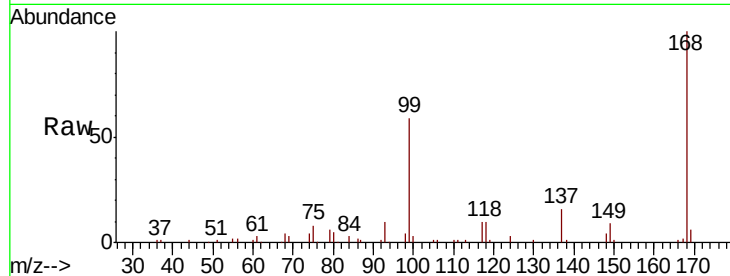
S49-0563DL

Tot Ion:168 Resp: 138086

Ion Ratio Lower Upper

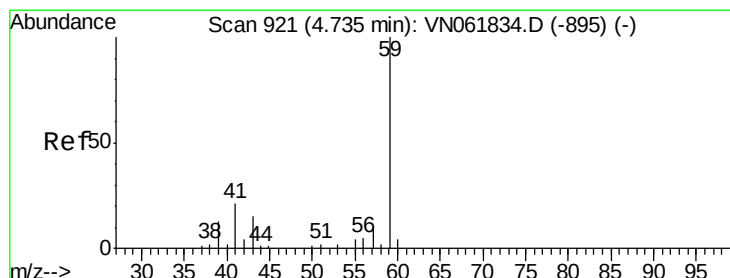
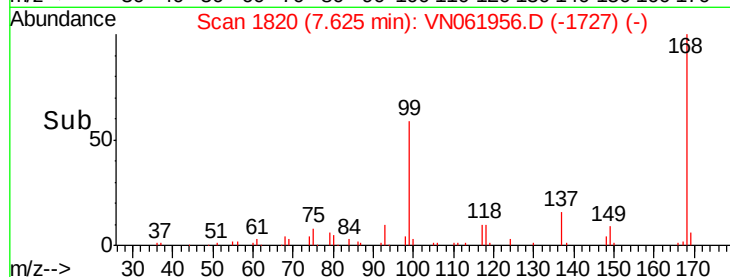
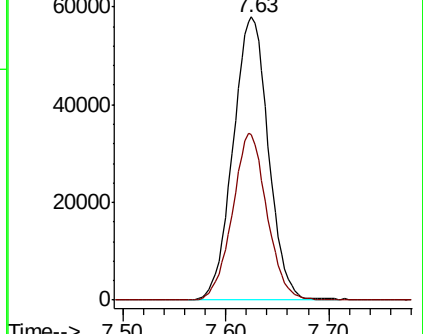
168 100

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): VN



#11

Tert butyl alcohol

Concen: 4.007 ug/l

RT: 4.69 min Scan# 907

Delta R.T. -0.05 min

Lab File: VN061956.D

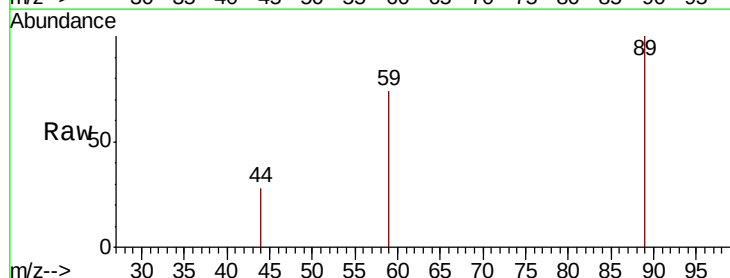
Acq: 19 Jun 2020 16:50

Tgt Ion: 59 Resp: 1027

Ion Ratio Lower Upper

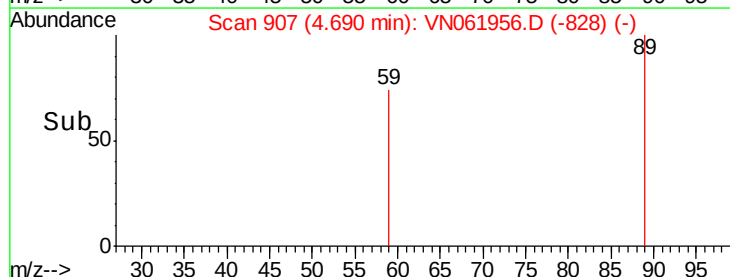
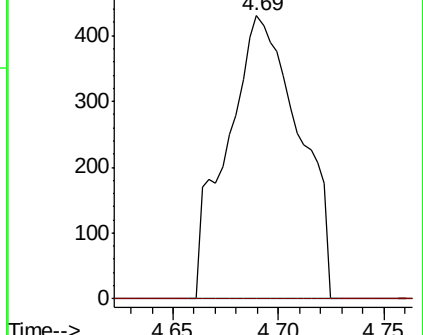
59 100

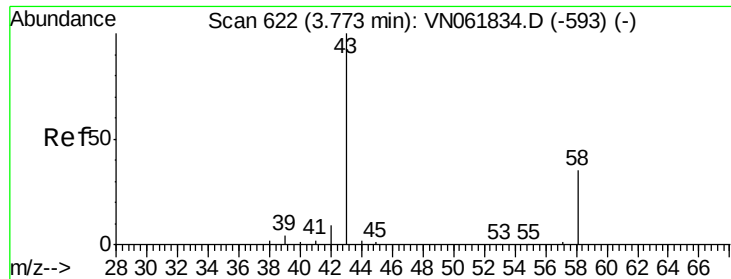
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN





#16

Acetone

Concen: 19.630 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

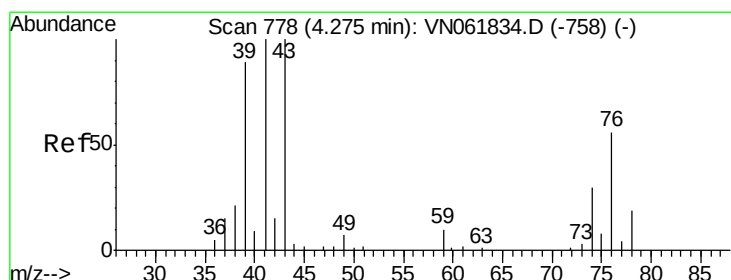
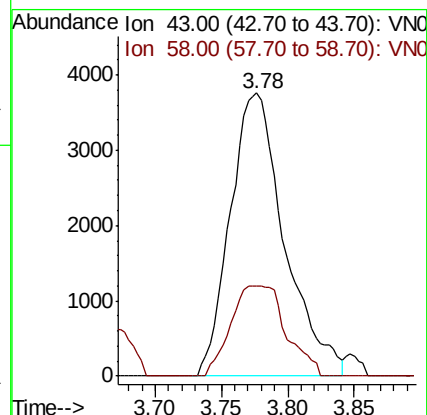
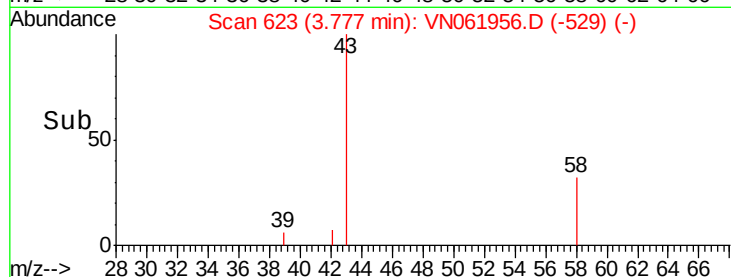
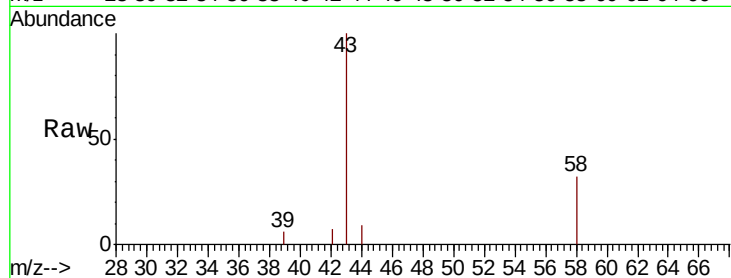
S49-0563DL

Tot Ion: 43 Resp: 10738

Ion Ratio Lower Upper

43 100

58 32.0 27.8 41.8



#18

Methyl Acetate

Concen: 0.392 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061956.D

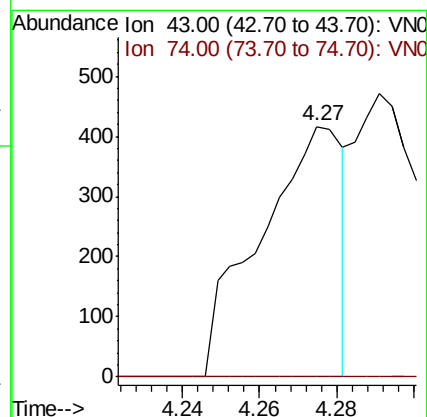
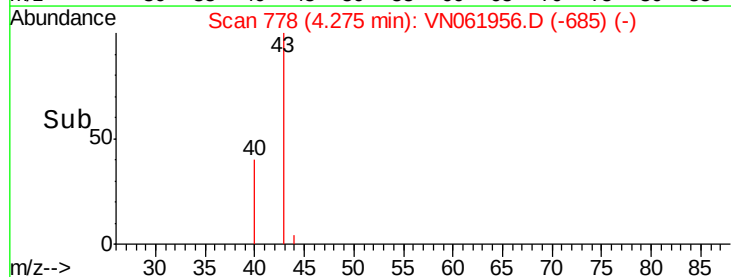
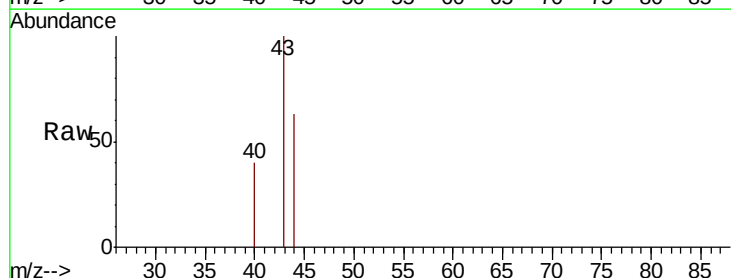
Acq: 19 Jun 2020 16:50

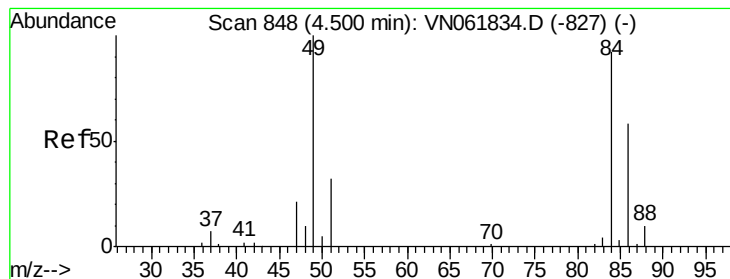
Tgt Ion: 43 Resp: 617

Ion Ratio Lower Upper

43 100

74 0.0 23.0 34.4#





#20

Methylene Chloride

Concen: 0.594 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

S49-0563DL

Tot Ion: 84 Resp: 1058

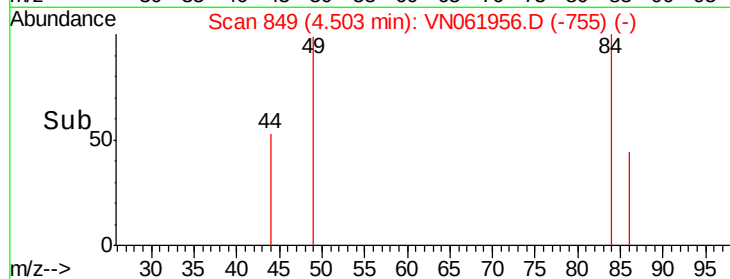
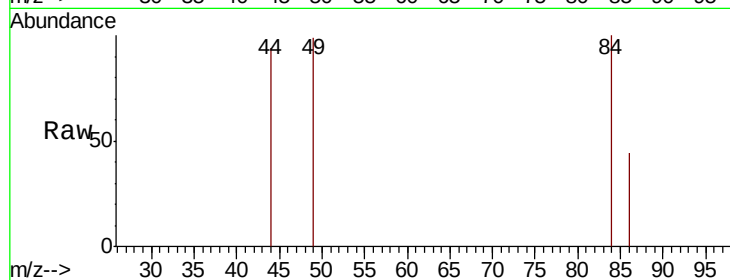
Ion Ratio Lower Upper

84 100

49 98.6 87.0 130.4

51 0.0 27.8 41.6#

86 43.7 50.2 75.2#

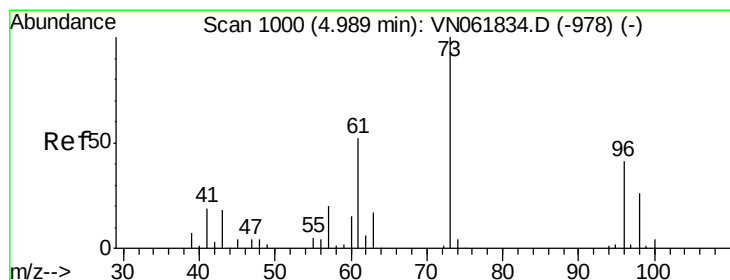
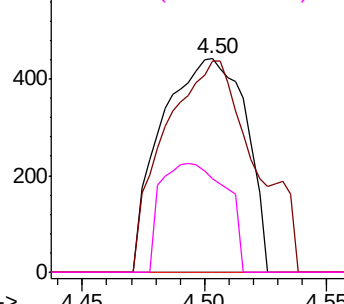


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#21

trans-1,2-Dichloroethene

Concen: 0.207 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

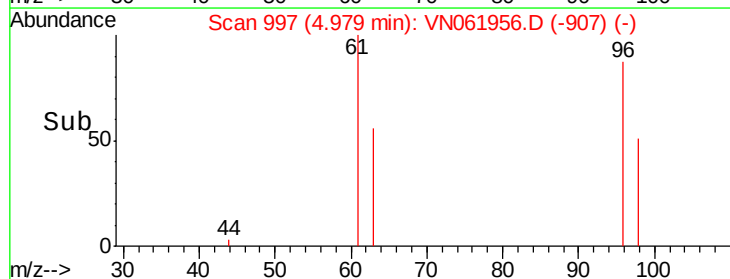
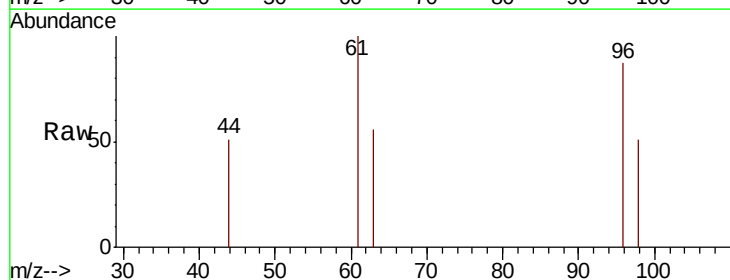
Tgt Ion: 96 Resp: 333

Ion Ratio Lower Upper

96 100

61 23.7 102.2 153.4#

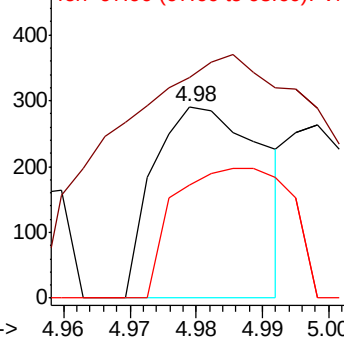
98 59.1 51.2 76.8

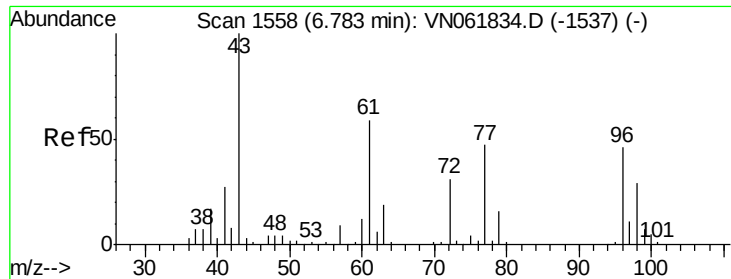


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

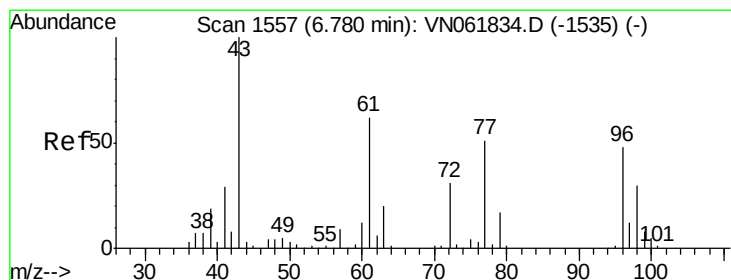
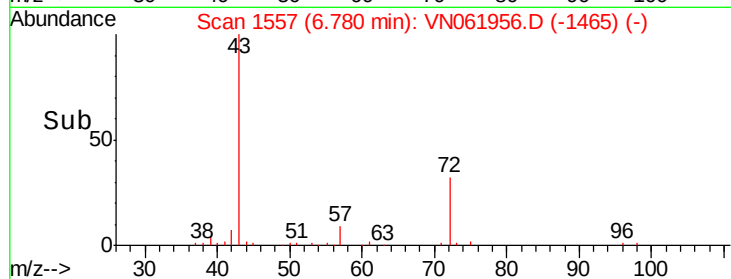
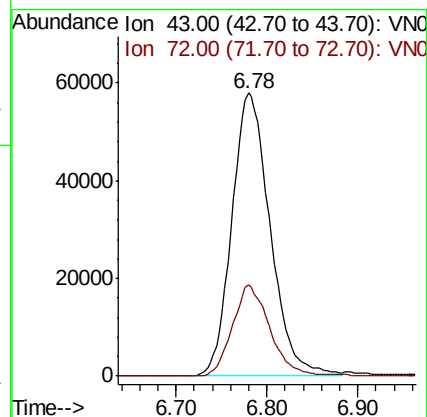
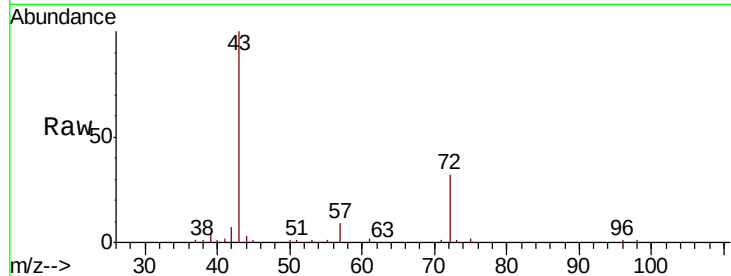




#25
2-Butanone
Concen: 212.786 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN061956.D
Acq: 19 Jun 2020 16:50

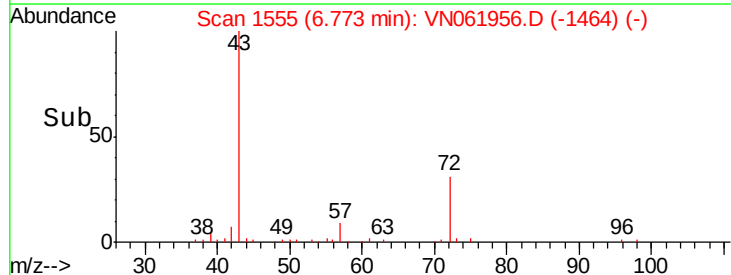
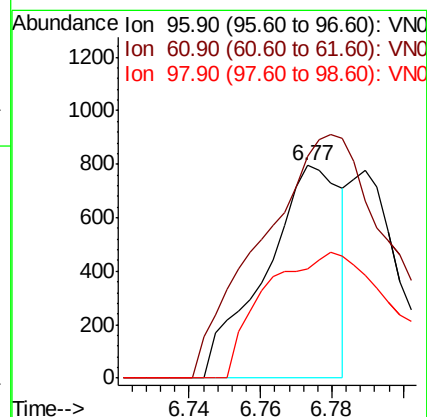
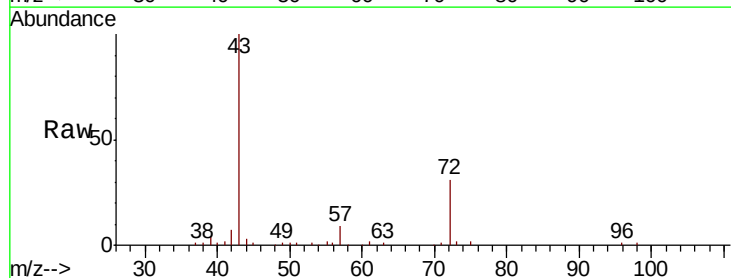
Instrument :
MSVOA_N
ClientSampled :
S49-0563DL

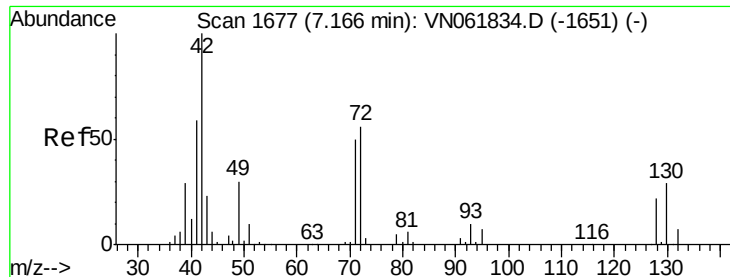
Tot Ion: 43 Resp: 169828
Ion Ratio Lower Upper
43 100
72 32.3 24.6 37.0



#27
cis-1,2-Dichloroethene
Concen: 0.626 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VN061956.D
Acq: 19 Jun 2020 16:50

Tgt Ion: 96 Resp: 1164
Ion Ratio Lower Upper
96 100
61 195.2 0.0 265.6
98 98.2 0.0 128.2





#29

Tetrahydrofuran

Concen: 3.958 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. -0.02 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

S49-0563DL

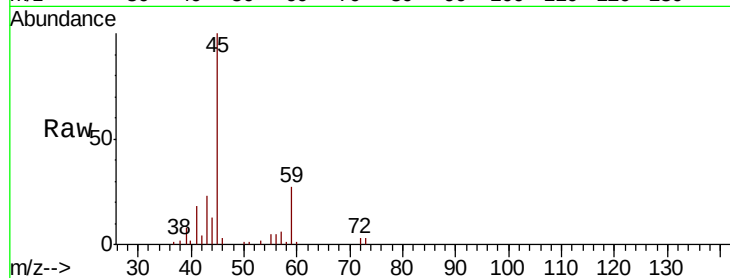
Tot Ion: 42 Resp: 2079

Ion Ratio Lower Upper

42 100

72 63.0 44.0 66.0

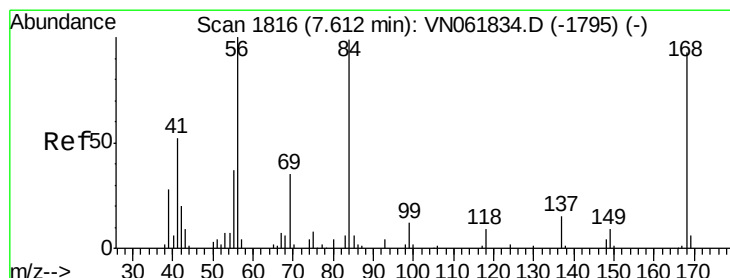
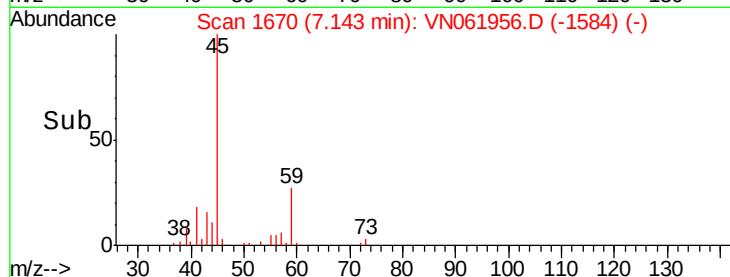
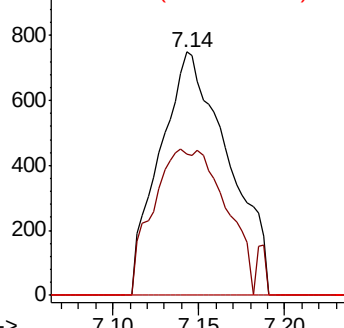
71 0.0 40.0 60.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

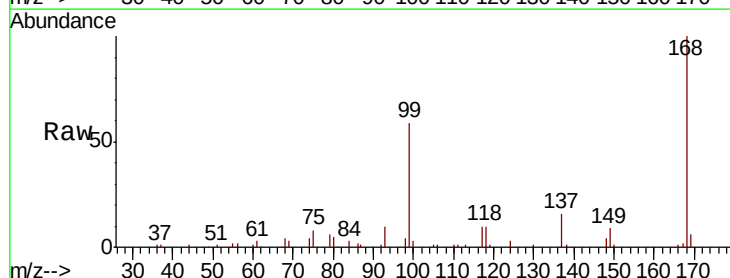
Tgt Ion: 56 Resp: 2958

Ion Ratio Lower Upper

56 100

69 147.2 27.7 41.5#

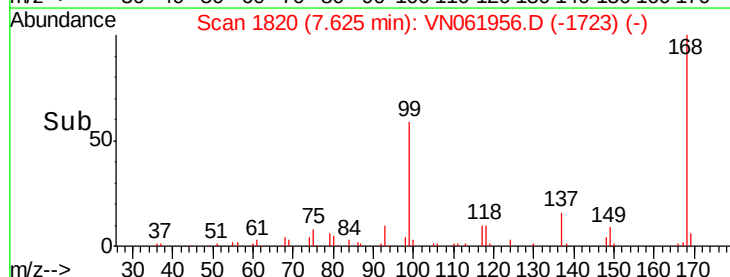
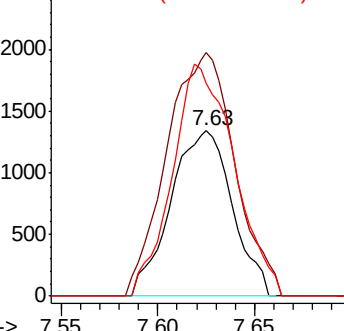
84 129.1 79.1 118.7#

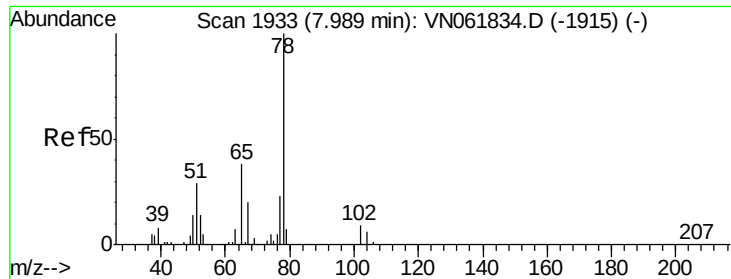


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

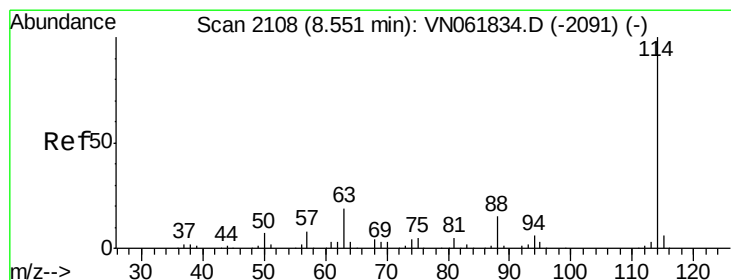
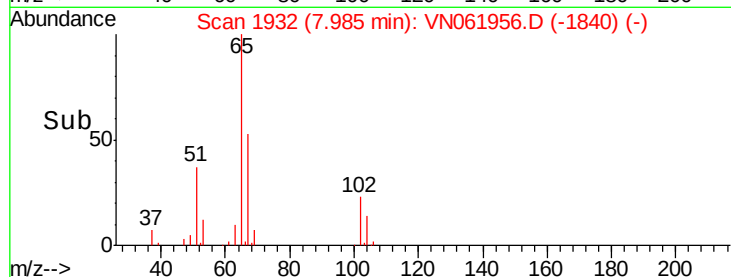
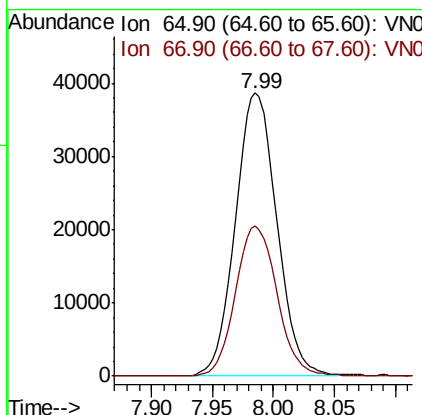
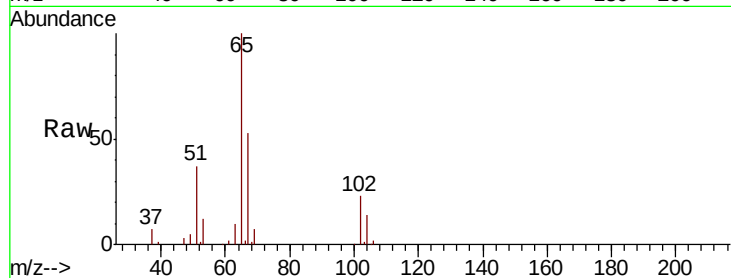




#33
 1,2-Dichloroethane-d4
 Concen: 49.170 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061956.D
 Acq: 19 Jun 2020 16:50

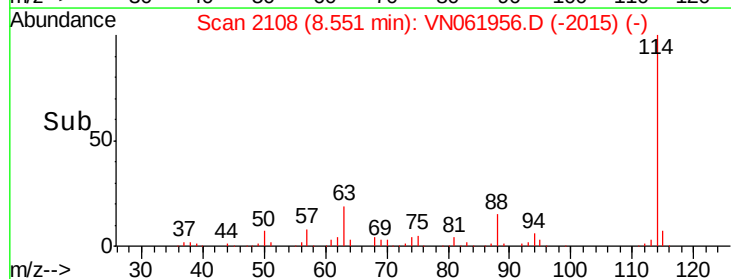
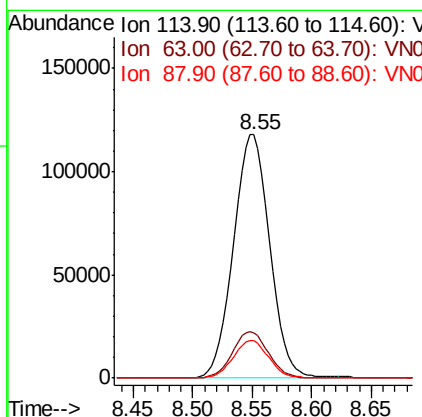
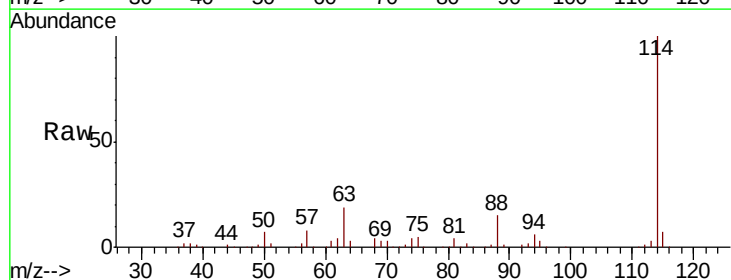
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563DL

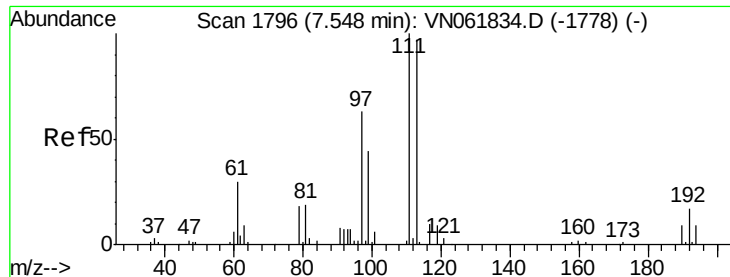
Tot Ion: 65 Resp: 91060
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061956.D
 Acq: 19 Jun 2020 16:50

Tgt Ion: 114 Resp: 249499
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.6
 88 15.2 0.0 31.0

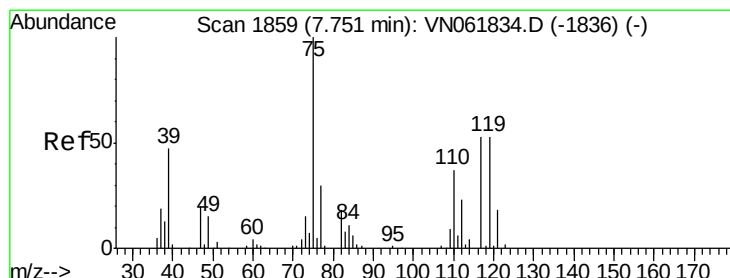
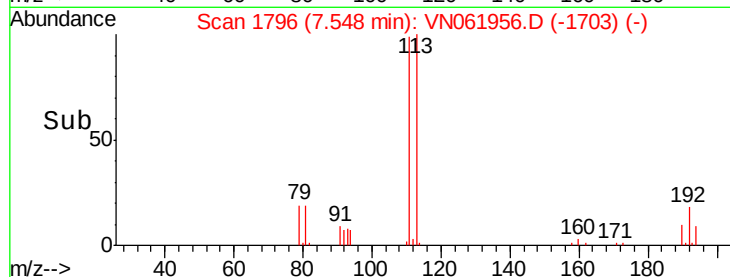
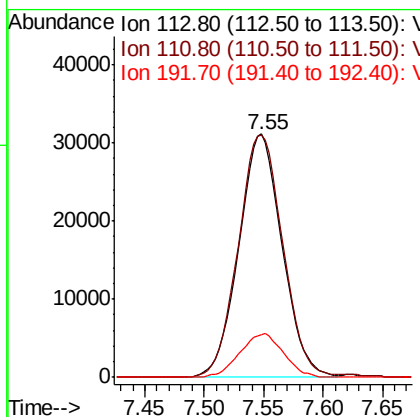
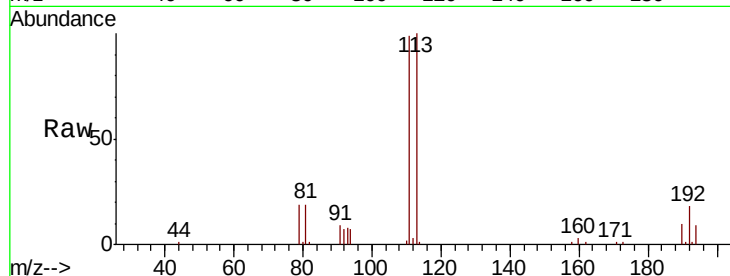




#35
 Dibromofluoromethane
 Concen: 49.095 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061956.D
 Acq: 19 Jun 2020 16:50

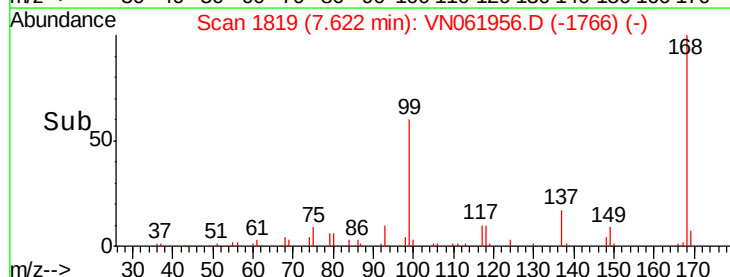
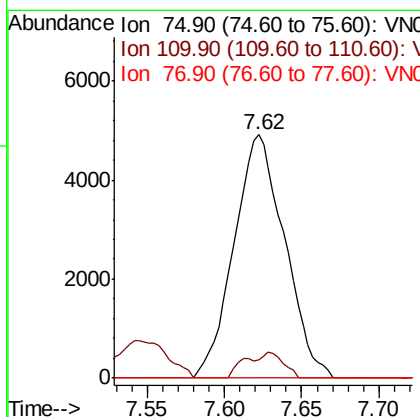
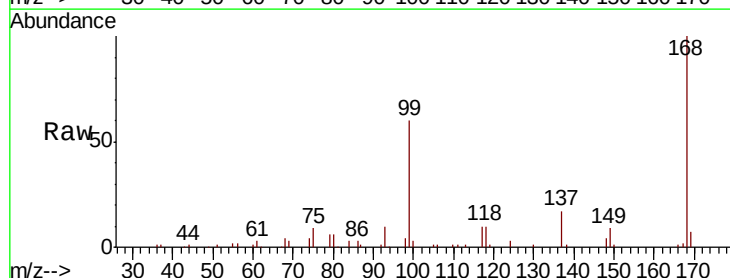
Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0563DL

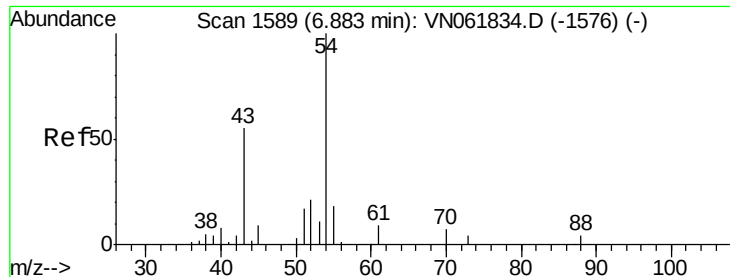
Tot Ion:113 Resp: 78363
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.7 125.5
 192 18.1 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061956.D
 Acq: 19 Jun 2020 16:50

Tgt Ion: 75 Resp: 11184
 Ion Ratio Lower Upper
 75 100
 110 5.1 18.2 54.6#
 77 0.0 24.2 36.4#

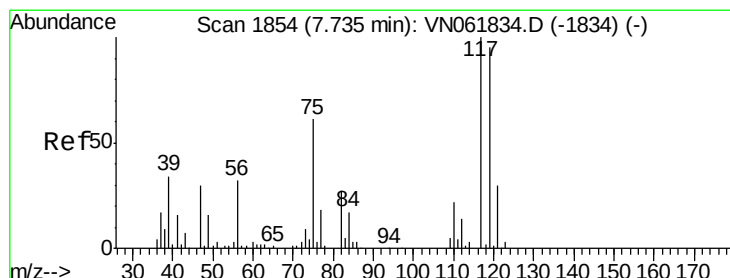
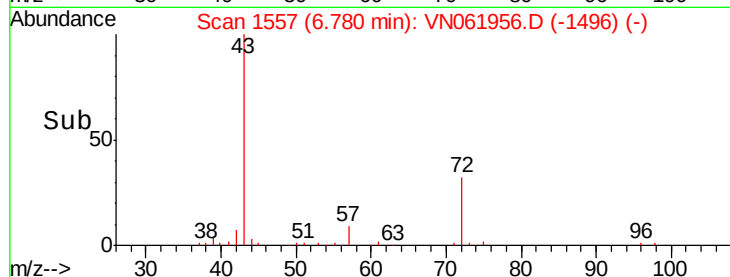
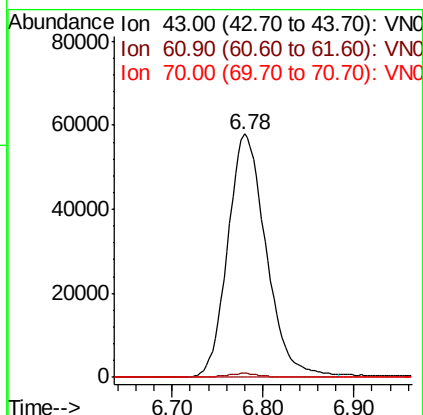
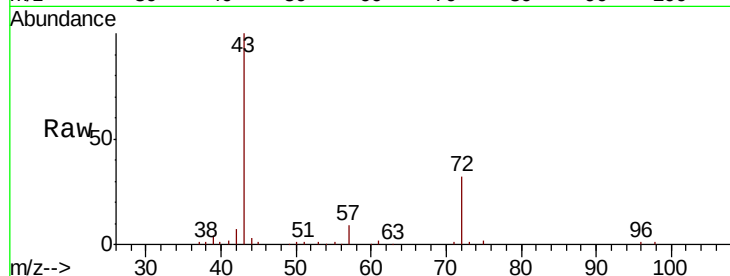




#37
Ethyl Acetate
Concen: 95.564 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VN061956.D
Acq: 19 Jun 2020 16:50

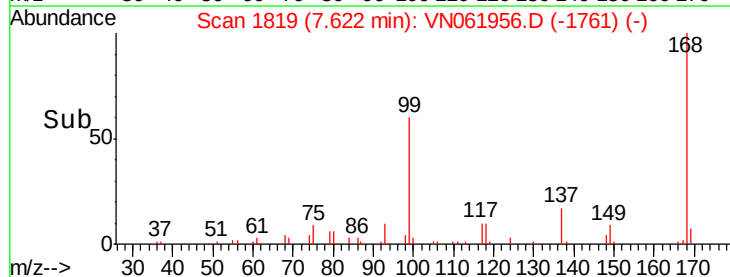
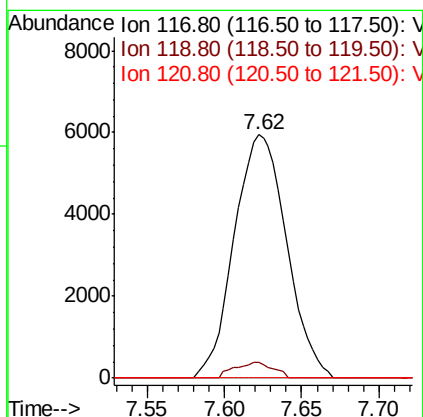
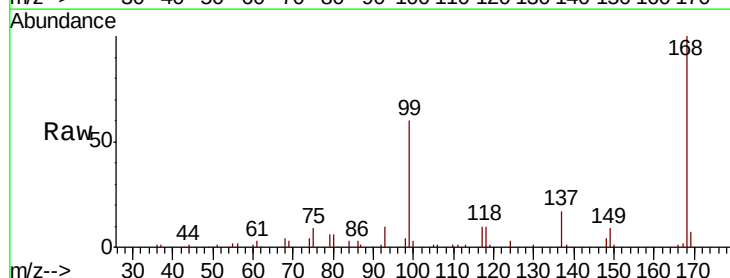
Instrument :
MSVOA_N
ClientSampleId :
S49-0563DL

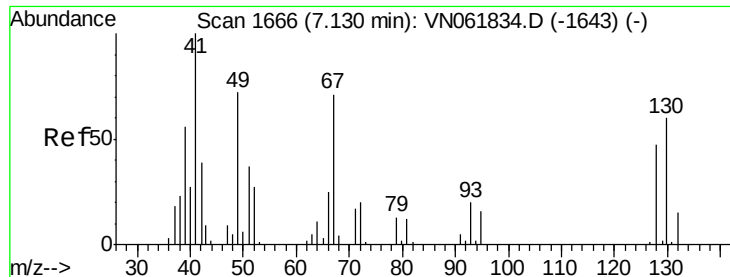
Tot Ion: 43 Resp: 169828
Ion Ratio Lower Upper
43 100
61 1.3 13.0 19.4#
70 0.1 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.208 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN061956.D
Acq: 19 Jun 2020 16:50

Tgt Ion: 117 Resp: 13991
Ion Ratio Lower Upper
117 100
119 6.6 75.8 113.6#
121 0.0 23.8 35.6#





#41

Methacrylonitrile

Concen: 11.755 ug/l

RT: 7.14 min Scan# 1670

Delta R.T. 0.01 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

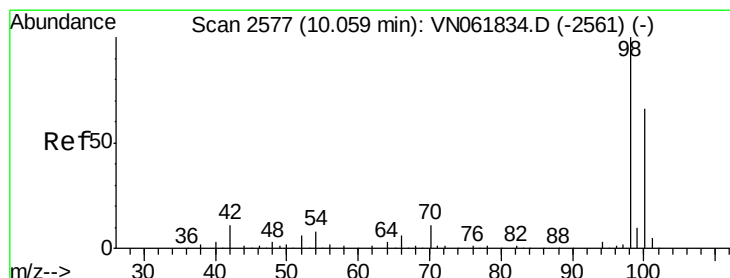
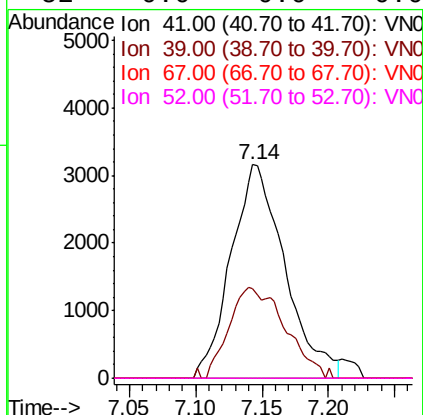
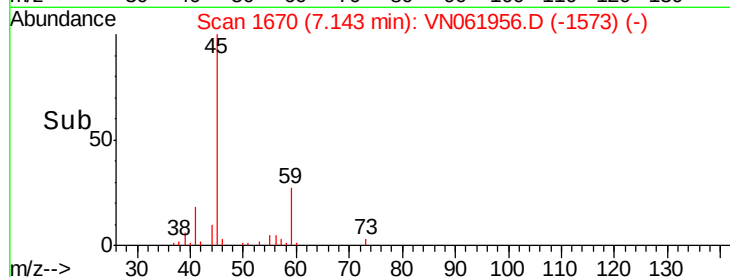
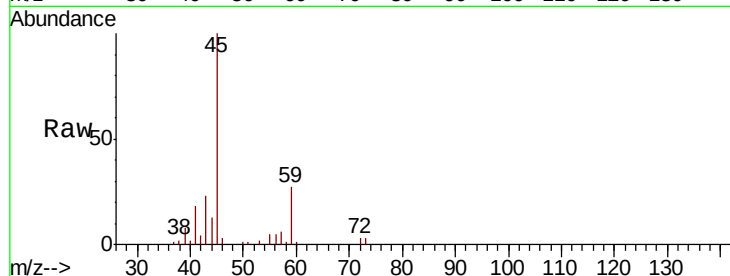
MSVOA_N

ClientSampled :

S49-0563DL

Tot Ion: 41 Resp: 8933

Ion	Ratio	Lower	Upper
41	100		
39	44.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50

Toluene-d8

Concen: 50.179 ug/l

RT: 10.06 min Scan# 2577

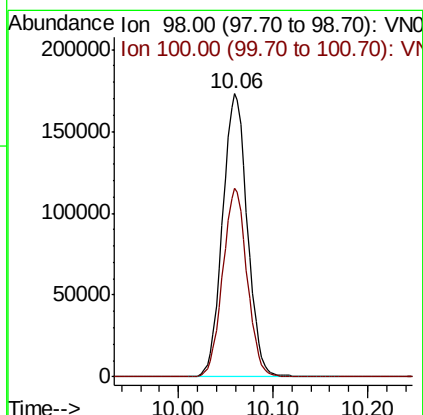
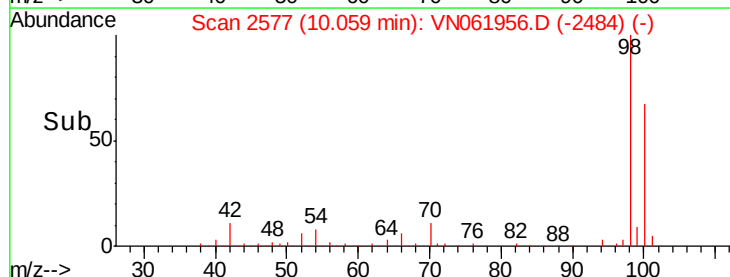
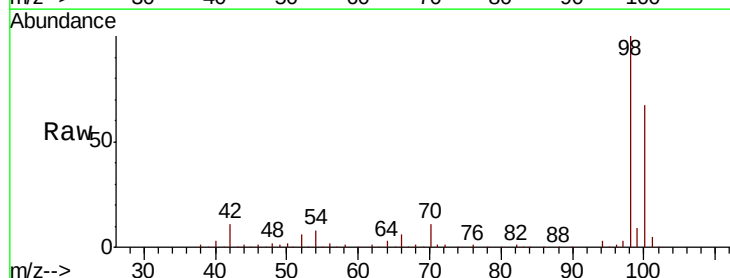
Delta R.T. -0.00 min

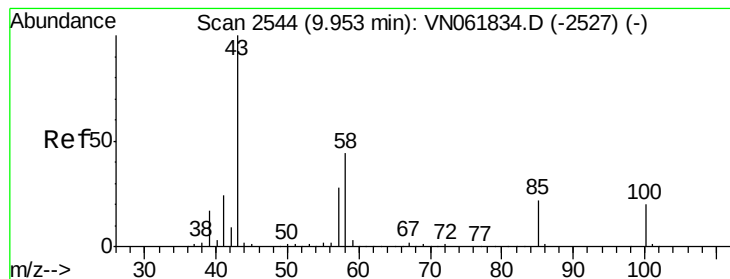
Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Tgt Ion: 98 Resp: 314882

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 0.760 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

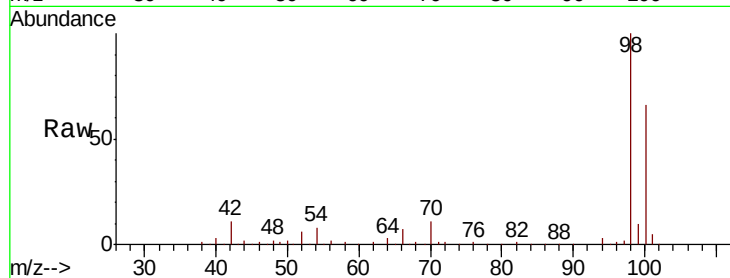
S49-0563DL

Tot Ion: 43 Resp: 1345

Ion Ratio Lower Upper

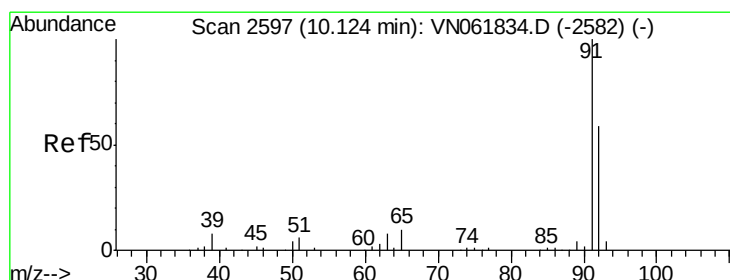
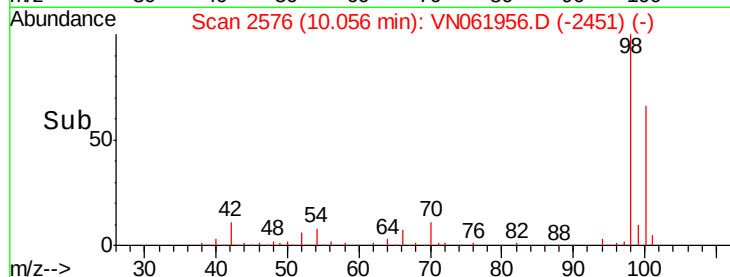
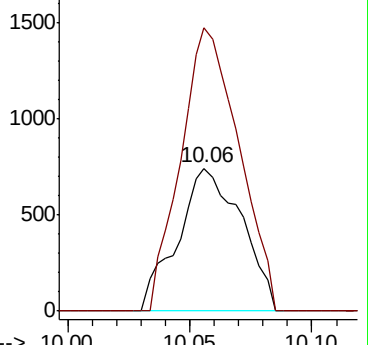
43 100

58 180.7 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.232 ug/l

RT: 10.12 min Scan# 2596

Delta R.T. -0.00 min

Lab File: VN061956.D

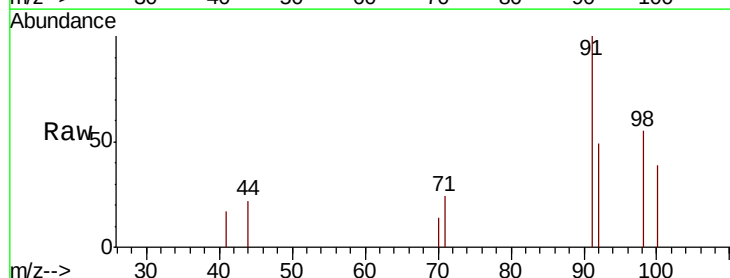
Acq: 19 Jun 2020 16:50

Tgt Ion: 92 Resp: 1004

Ion Ratio Lower Upper

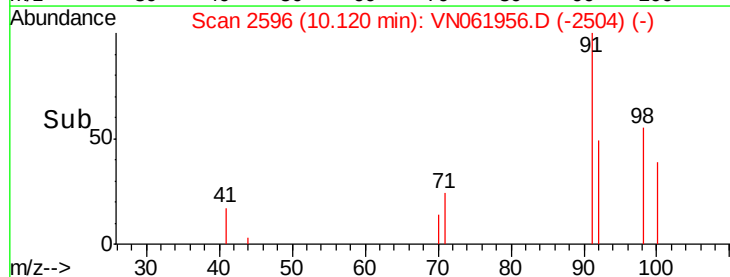
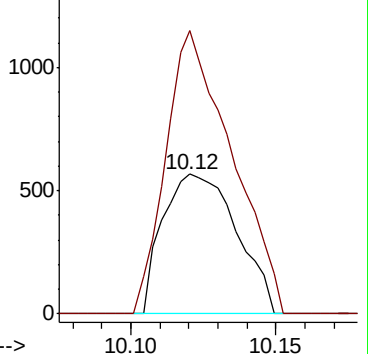
92 100

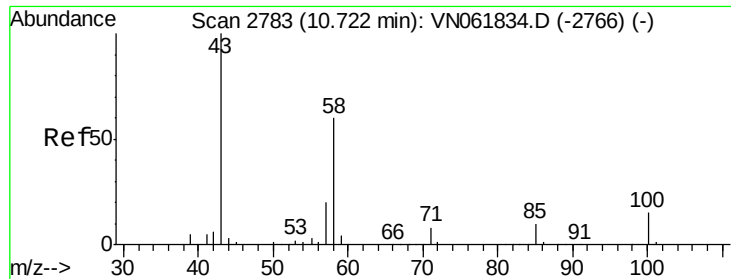
91 180.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#59

2-Hexanone

Concen: 13.804 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

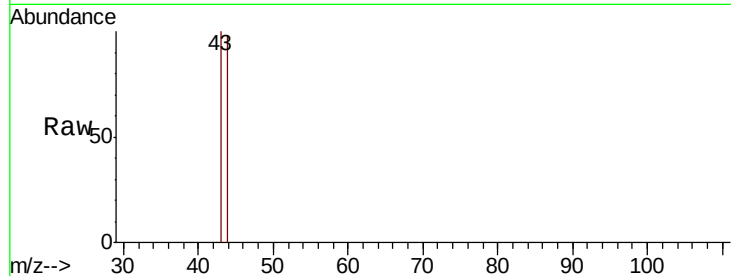
S49-0563DL

Tot Ion: 43 Resp: 593

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.73

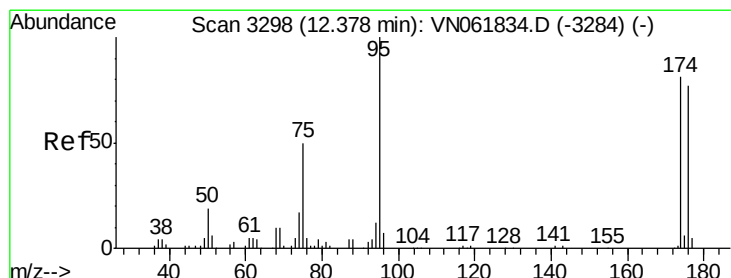
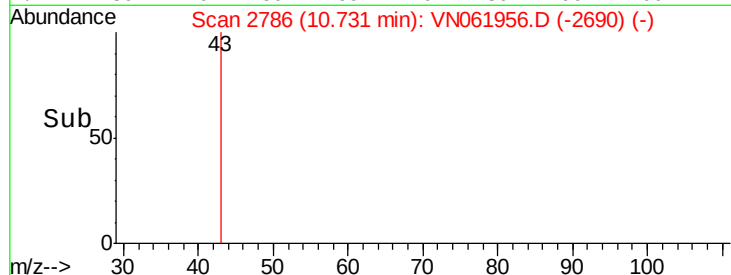
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.574 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

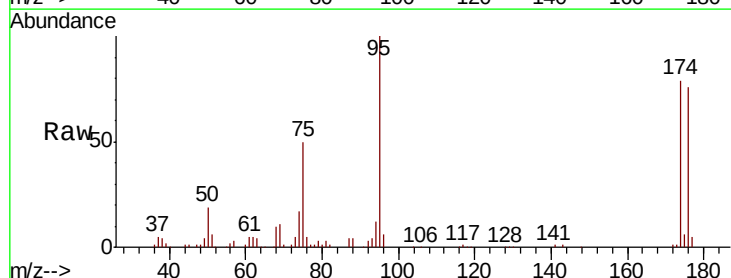
Tgt Ion: 95 Resp: 111013

Ion Ratio Lower Upper

95 100

174 79.4 0.0 158.6

176 75.2 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

80000

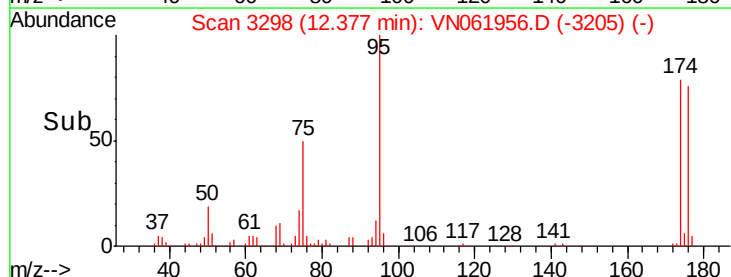
60000

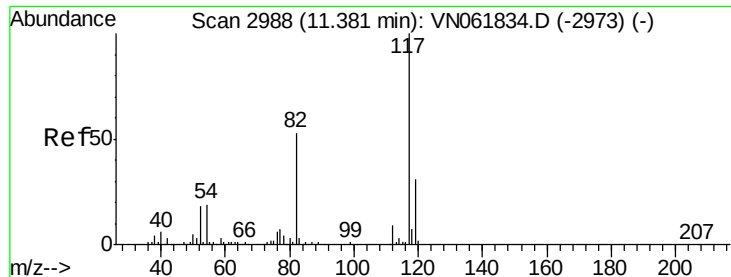
40000

20000

0

Time-->

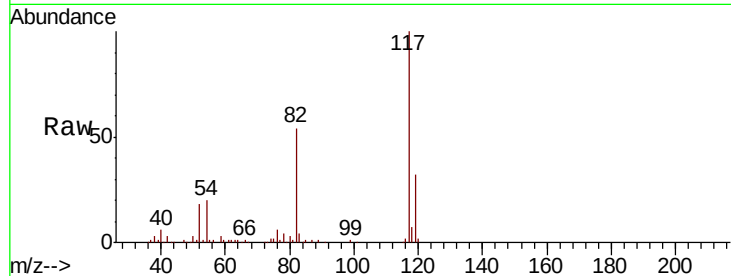




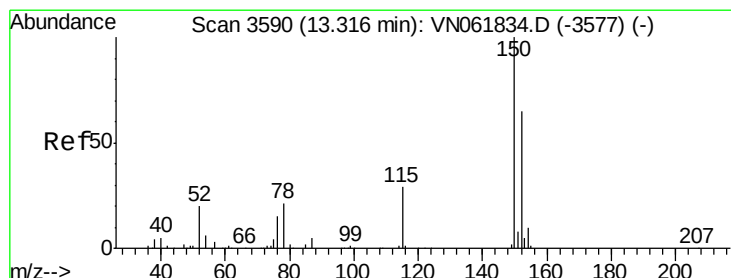
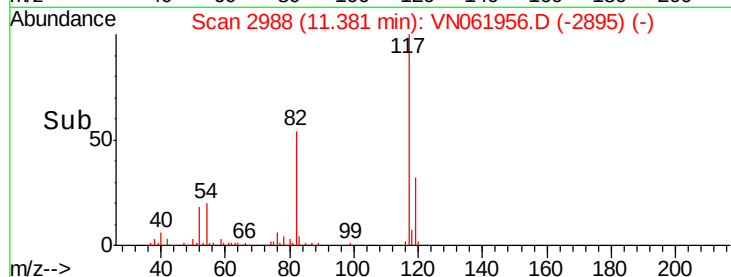
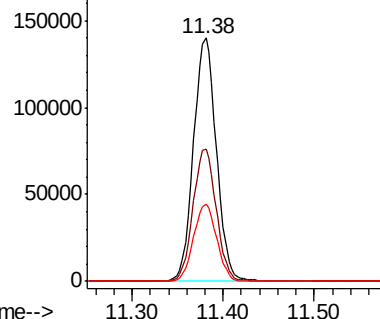
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061956.D
Acq: 19 Jun 2020 16:50

Instrument :
MSVOA_N
ClientSampleId :
S49-0563DL

Tot Ion:117 Resp: 245038
Ion Ratio Lower Upper
117 100
82 54.2 42.6 64.0
119 31.6 24.7 37.1

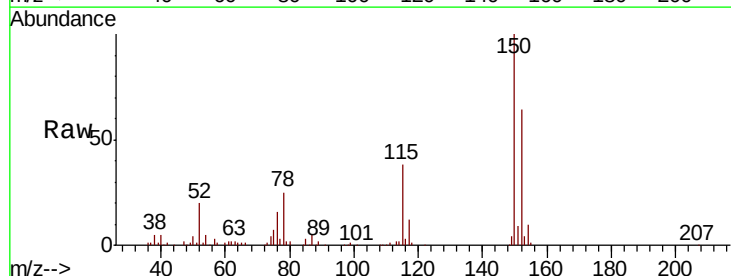


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

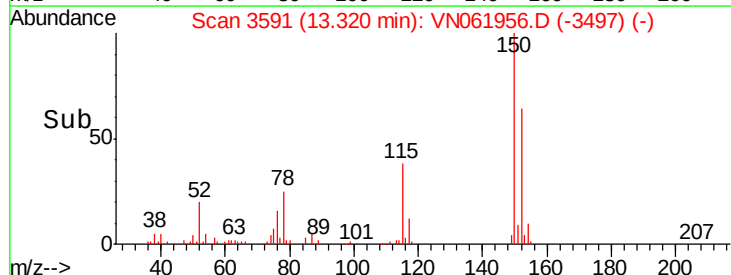
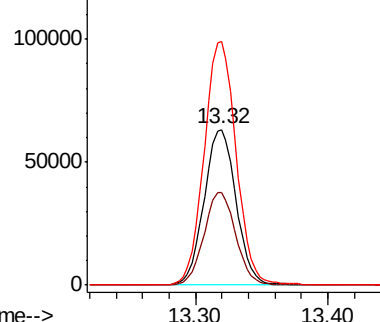


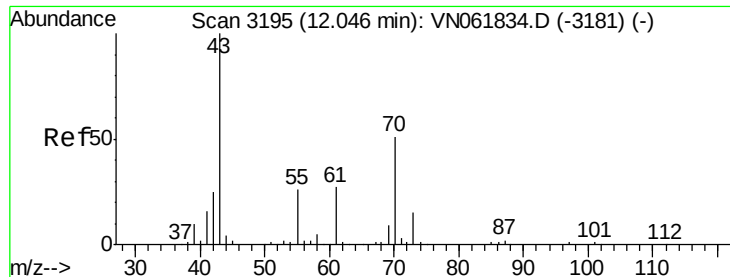
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061956.D
Acq: 19 Jun 2020 16:50

Tgt Ion:152 Resp: 106141
Ion Ratio Lower Upper
152 100
115 59.0 29.1 87.3
150 157.1 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-amvl acetate

Concen: 4.199 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampled :

S49-0563DL

Tot Ion: 43 Resp: 3303

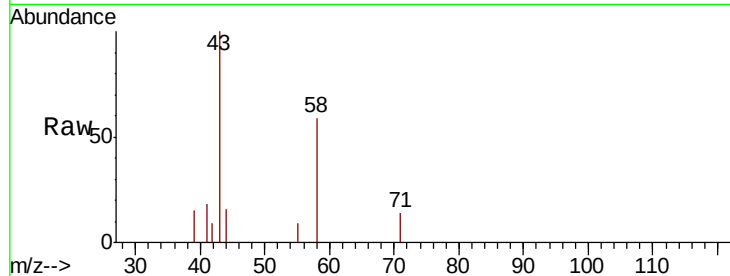
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 1.8 21.5 32.3#

61 0.0 21.6 32.4#

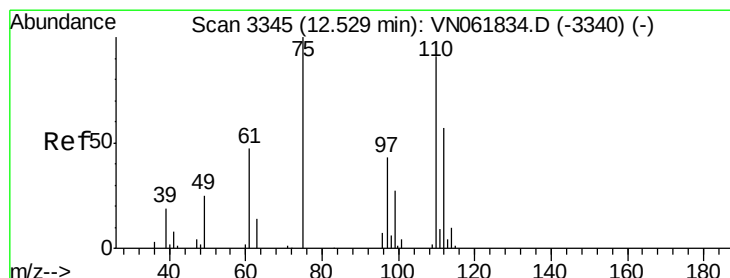
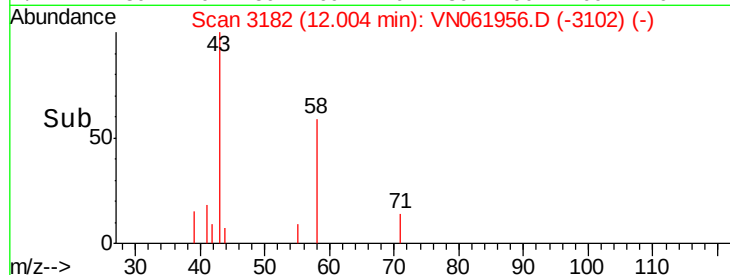
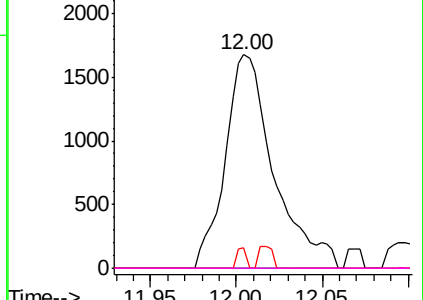


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 26.580 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061956.D

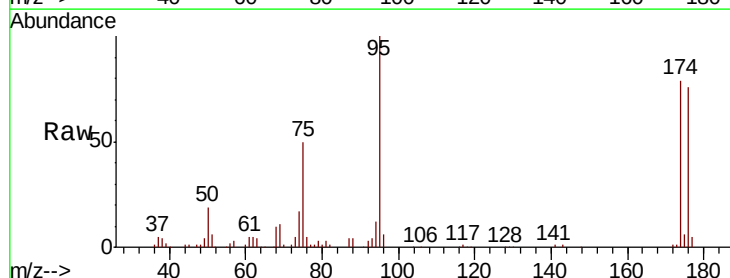
Acq: 19 Jun 2020 16:50

Tgt Ion: 75 Resp: 55388

Ion Ratio Lower Upper

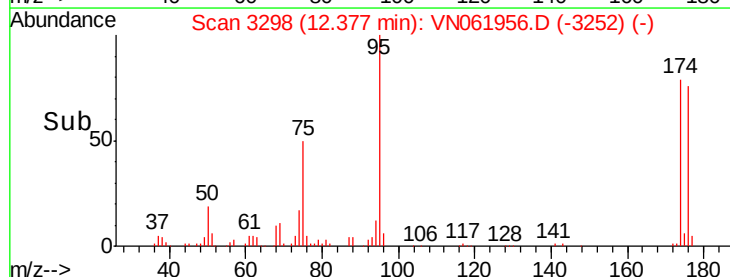
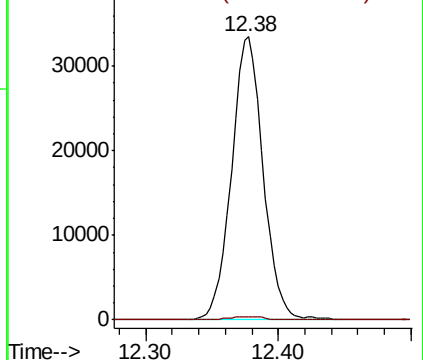
75 100

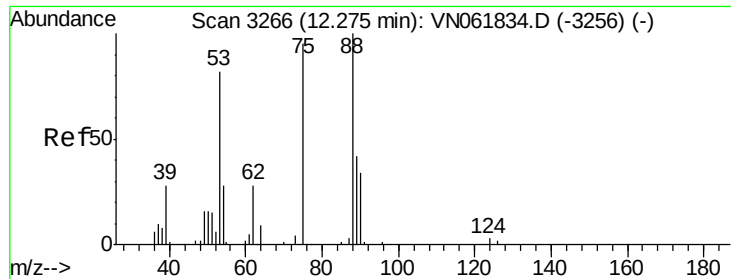
77 1.2 0.0 0.0#



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: 72.495 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061956.D

Acq: 19 Jun 2020 16:50

Instrument :

MSVOA_N

ClientSampleId :

S49-0563DL

Tot Ion: 75 Resp: 55388

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

