

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061925.D
 Acq On : 19 Jun 2020 2:29
 Operator : JC/MD
 Sample : PB129596ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#02

Quant Time: Jun 19 05:33:48 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	145998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	274269	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	271346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	103681	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	97865	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	7.55	113	87304	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.06	98	352172	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.38	95	114713	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

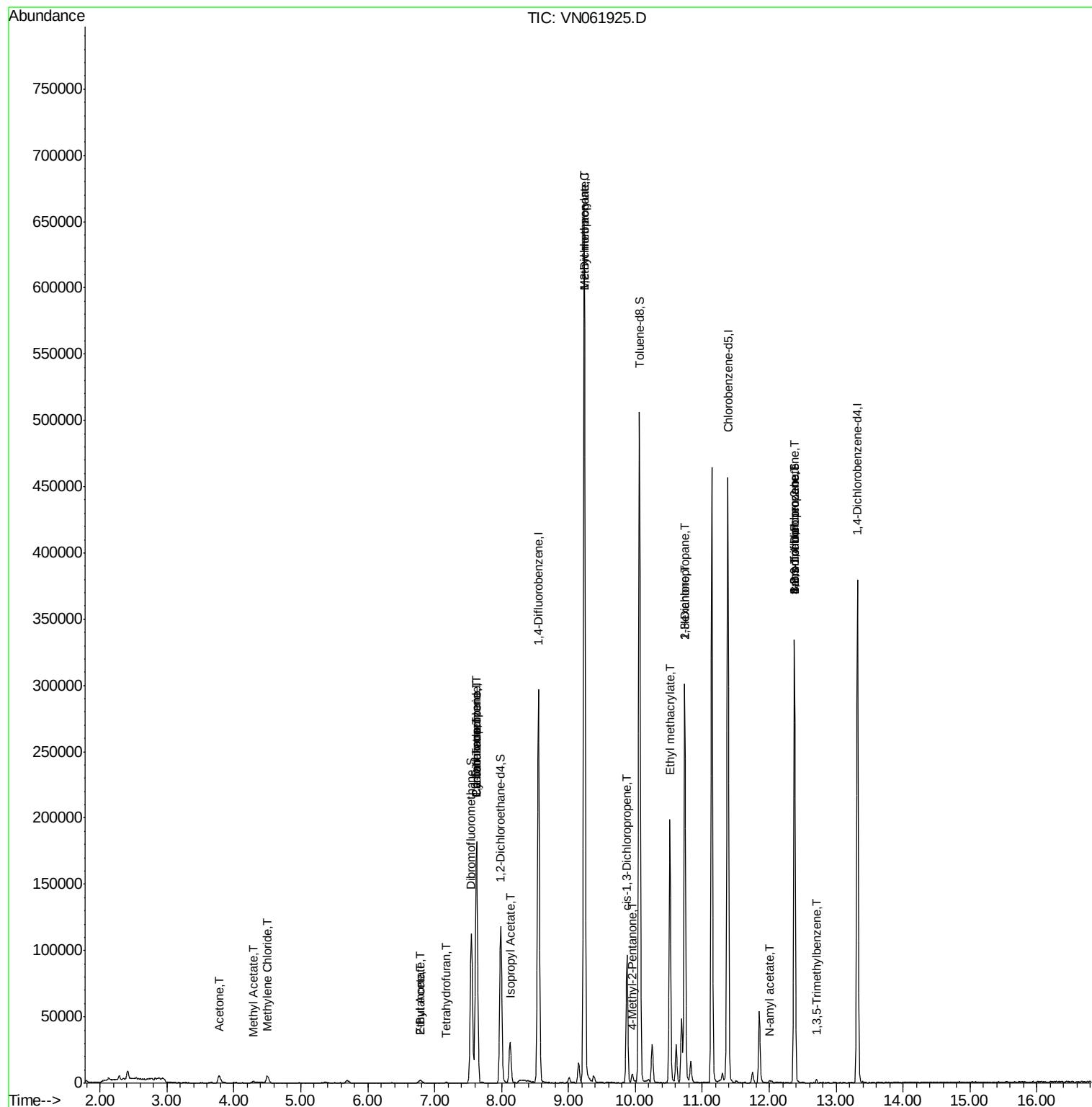
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	10071	17.413	ug/l	96
18) Methyl Acetate	4.28	43	2344	1.408	ug/l #	68
20) Methylene Chloride	4.51	84	4470	2.372	ug/l	88
25) 2-Butanone	6.80	43	2136	2.531	ug/l	100
29) Tetrahydrofuran	7.16	42	225	0.405	ug/l #	26
31) Cyclohexane	7.63	56	3114	1.207	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	11659	4.661	ug/l #	48
37) Ethyl Acetate	6.80	43	2136	1.093	ug/l #	65
38) Carbon Tetrachloride	7.63	117	14336	5.787	ug/l #	17
43) Isopropyl Acetate	8.13	43	34085	10.353	ug/l #	88
45) 1,2-Dichloropropane	9.24	63	873	0.469	ug/l #	43
48) Methyl methacrylate	9.24	41	61510	41.085	ug/l #	33
51) 4-Methyl-2-Pentanone	9.96	43	3973	2.042	ug/l	92
54) cis-1,3-Dichloropropene	9.88	75	18406	5.945	ug/l #	67
56) Ethyl methacrylate	10.52	69	731	3.143	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3216	1.014	ug/l #	42
59) 2-Hexanone	10.74	43	39277	37.322	ug/l #	49
71) Bromoform	12.38	173	1029	0.707	ug/l #	1
74) N-amyl acetate	12.00	43	2119	3.810	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	57310	28.155	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2030	0.333	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57310	76.791	ug/l #	14

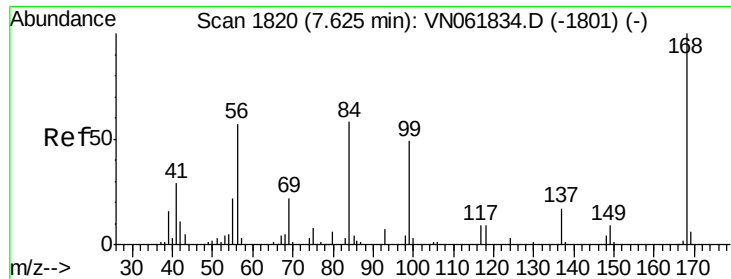
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
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: VN061925.D

Acq: 19 Jun 2020 2:29

Instrument :

MSVOA_N

ClientSampleId :

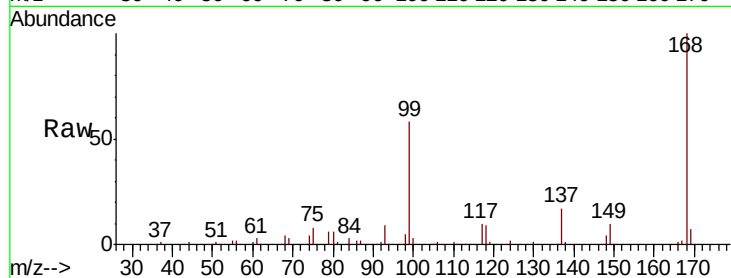
PB129596ZHE#02

Tot Ion:168 Resp: 145998

Ion Ratio Lower Upper

168 100

99 58.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): VN061834.D (-1801) (-)

Ion 98.90 (98.60 to 99.60): VN061834.D (-1801) (-)

7.63

60000

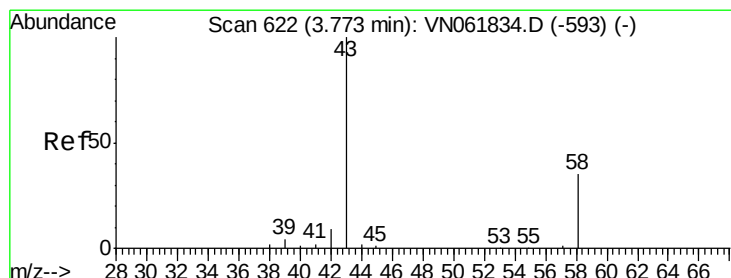
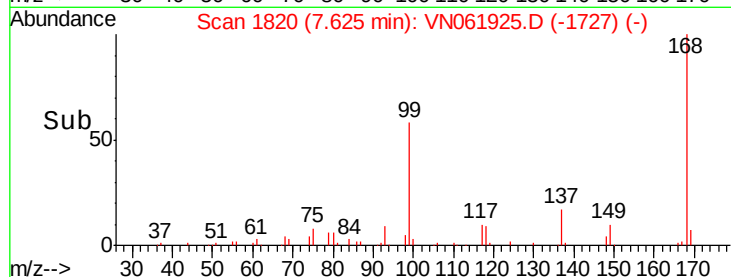
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 17.413 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061925.D

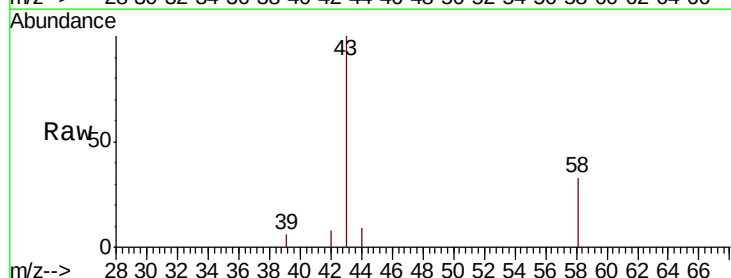
Acq: 19 Jun 2020 2:29

Tgt Ion: 43 Resp: 10071

Ion Ratio Lower Upper

43 100

58 32.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

3.78

4000

3000

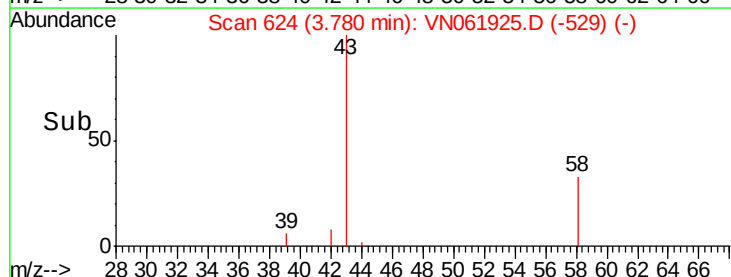
2000

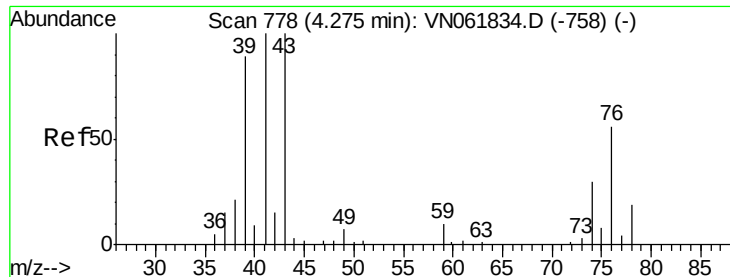
1000

0

3.70 3.75 3.80 3.85

Time-->

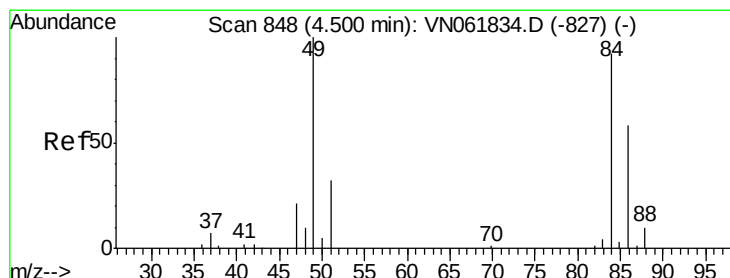
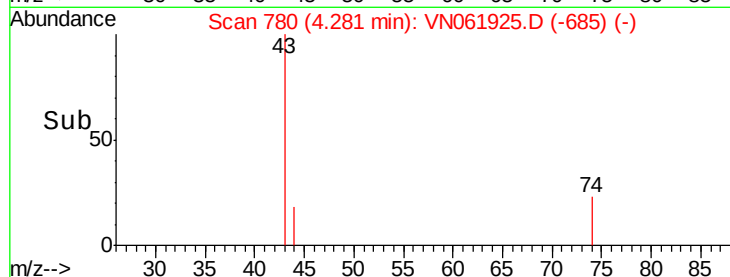
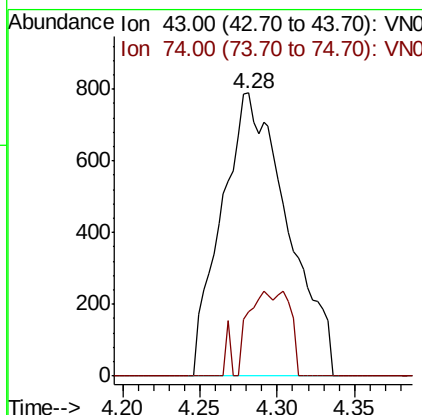
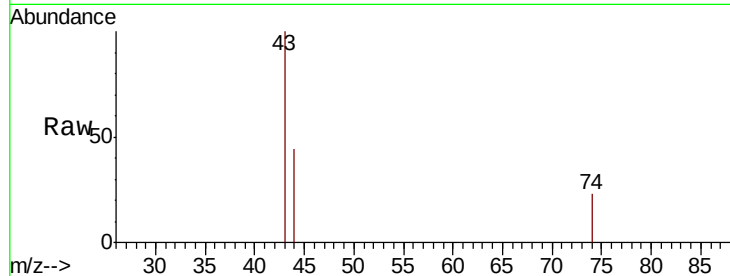




#18
Methyl Acetate
Concen: 1.408 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061925.D
Acq: 19 Jun 2020 2:29

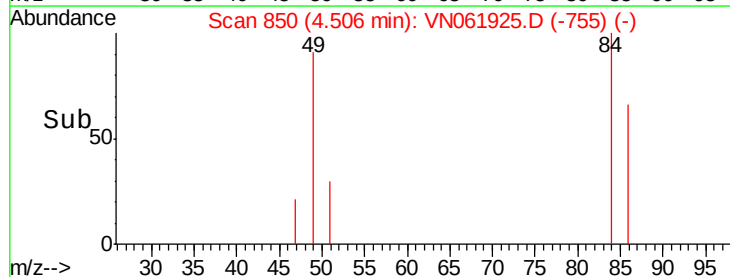
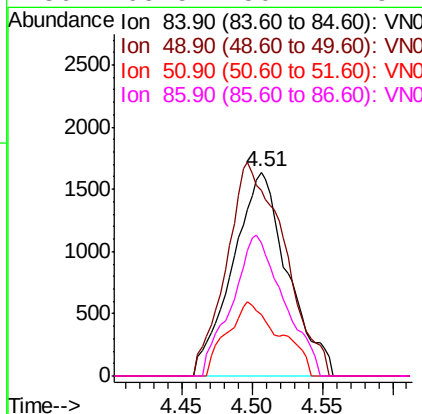
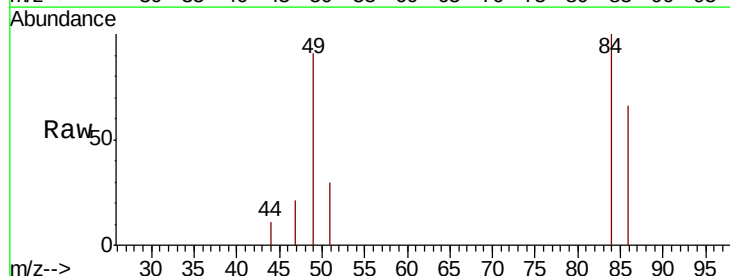
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#02

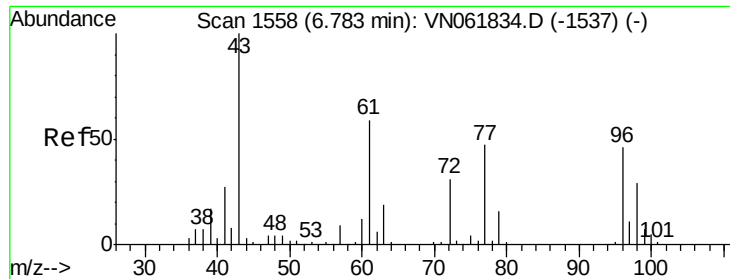
Tot Ion: 43 Resp: 2344
Ion Ratio Lower Upper
43 100
74 11.6 23.0 34.4#



#20
Methylene Chloride
Concen: 2.372 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061925.D
Acq: 19 Jun 2020 2:29

Tgt Ion: 84 Resp: 4470
Ion Ratio Lower Upper
84 100
49 90.8 87.0 130.4
51 29.9 27.8 41.6
86 65.5 50.2 75.2

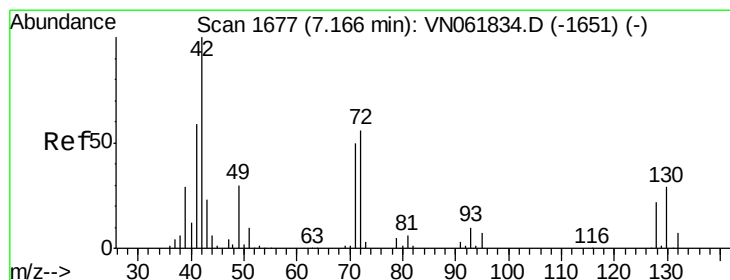
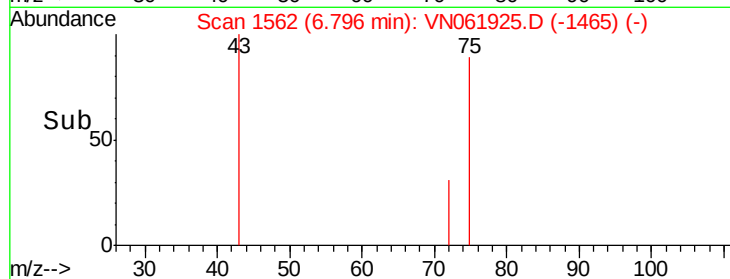
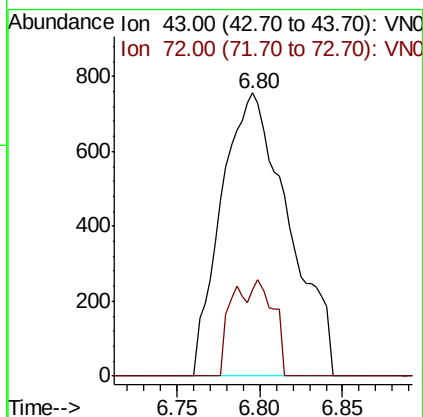
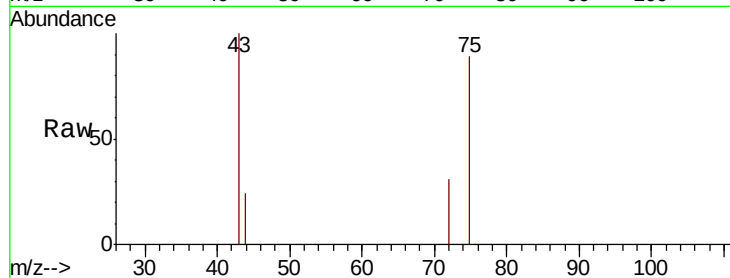




#25
2-Butanone
Concen: 2.531 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN061925.D
Acq: 19 Jun 2020 2:29

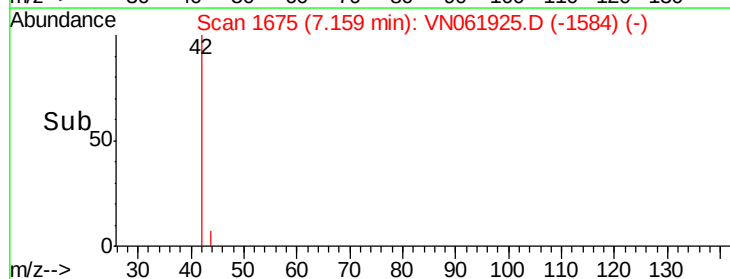
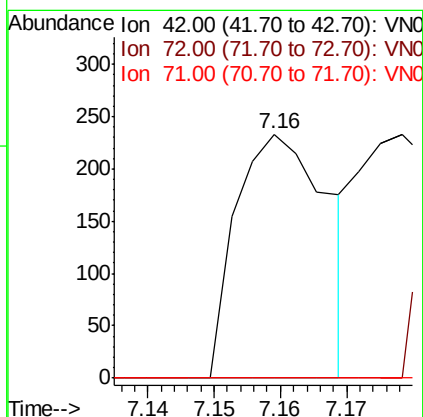
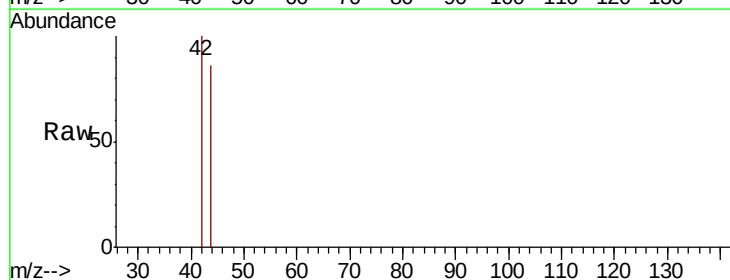
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#02

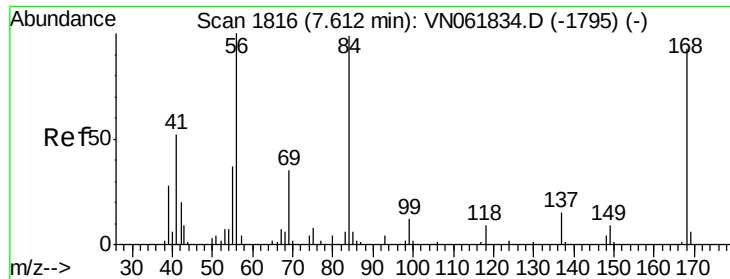
Tot Ion: 43 Resp: 2136
Ion Ratio Lower Upper
43 100
72 30.6 24.6 37.0



#29
Tetrahydrofuran
Concen: 0.405 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061925.D
Acq: 19 Jun 2020 2:29

Tgt Ion: 42 Resp: 225
Ion Ratio Lower Upper
42 100
72 0.0 44.0 66.0#
71 0.0 40.0 60.0#

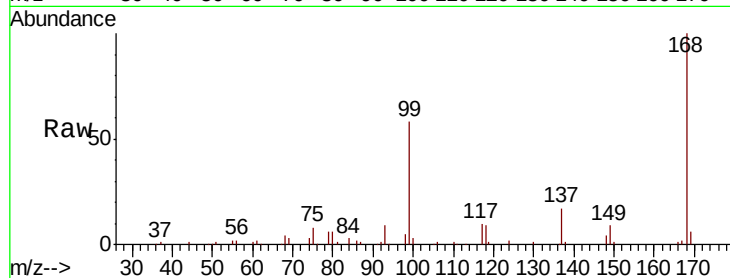




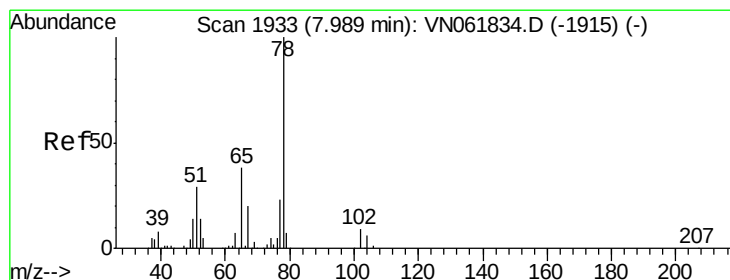
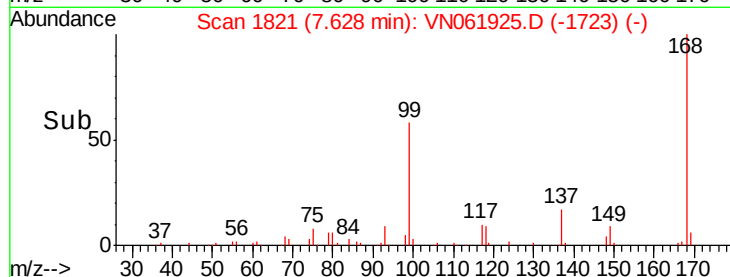
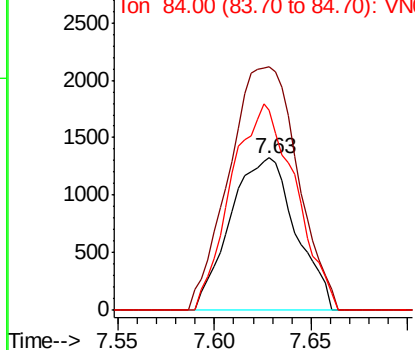
#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061925.D
Acq: 19 Jun 2020 2:29

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#02

Tot Ion: 56 Resp: 3114
Ion Ratio Lower Upper
56 100
69 159.7 27.7 41.5#
84 131.2 79.1 118.7#

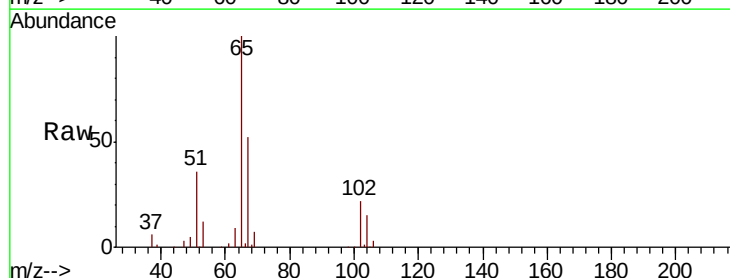


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

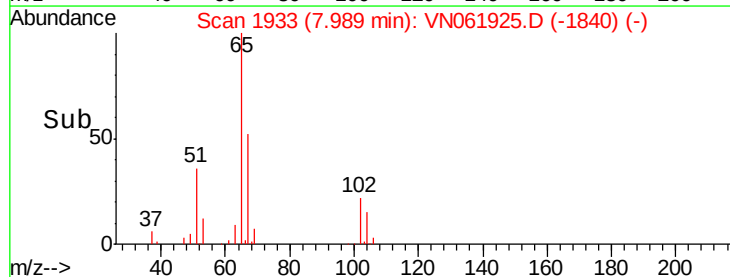
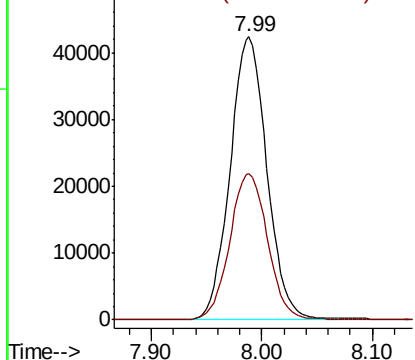


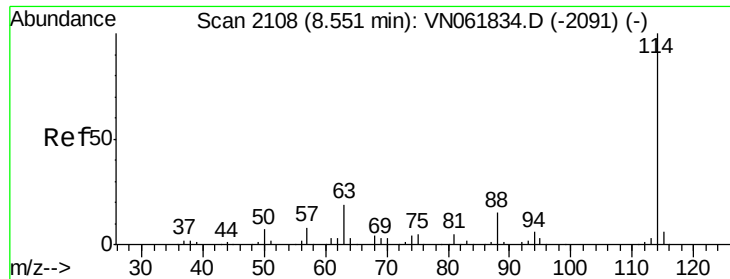
#33
1,2-Dichloroethane-d4
Concen: 49.981 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061925.D
Acq: 19 Jun 2020 2:29

Tgt Ion: 65 Resp: 97865
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2



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

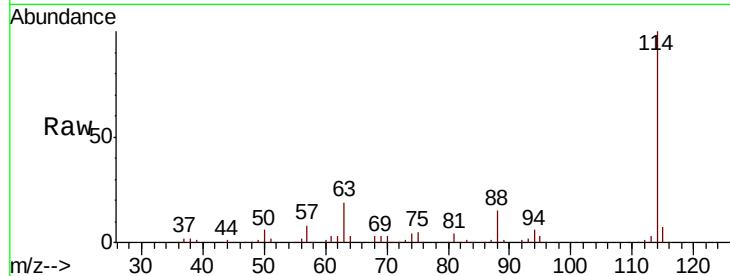




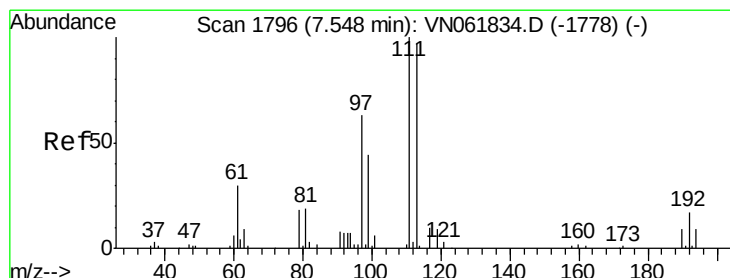
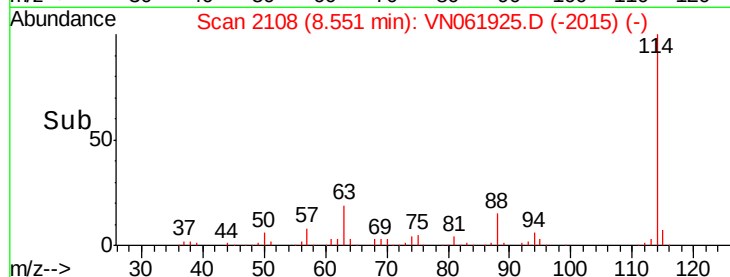
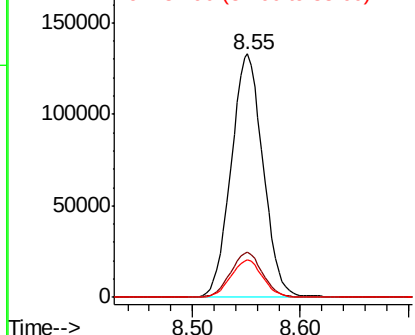
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Instrument :
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 ClientSampleId :
 PB129596ZHE#02

Tot Ion:114 Resp: 274269
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.6
 88 15.4 0.0 31.0

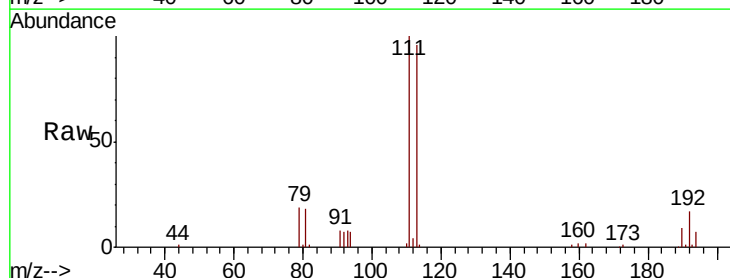


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

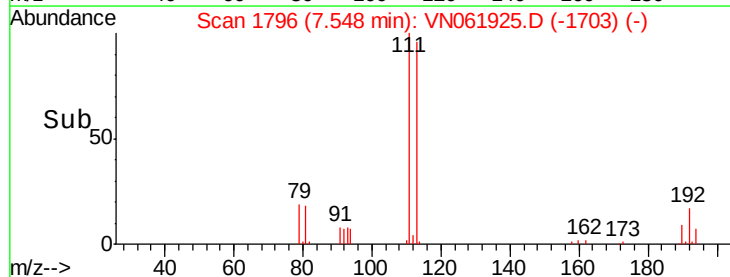
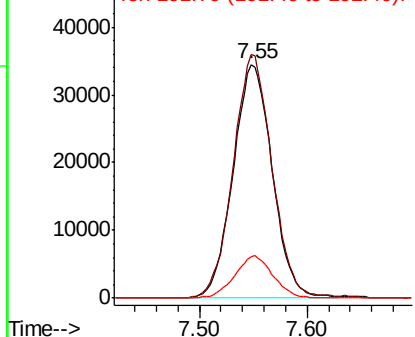


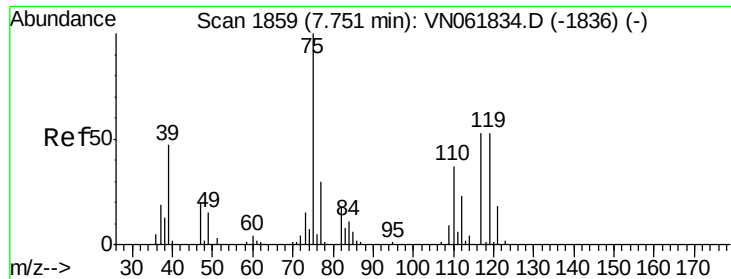
#35
 Dibromofluoromethane
 Concen: 49.756 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Tgt Ion:113 Resp: 87304
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.7 125.5
 192 17.5 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: 4.661 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061925.D

Acq: 19 Jun 2020 2:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#02

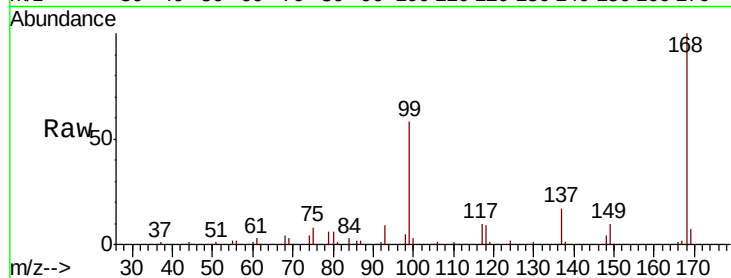
Tot Ion: 75 Resp: 11659

Ion Ratio Lower Upper

75 100

110 7.4 18.2 54.6#

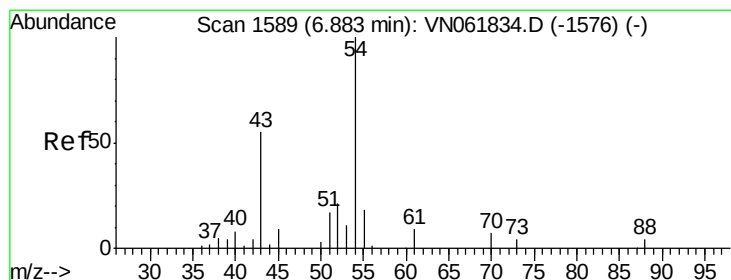
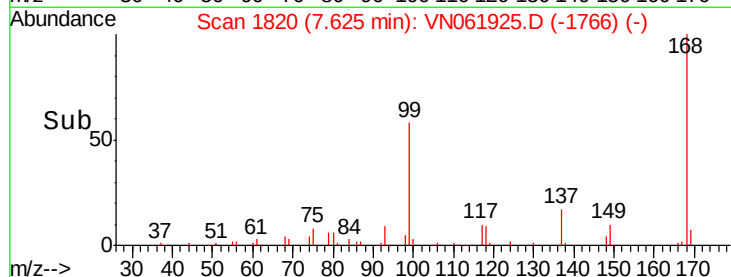
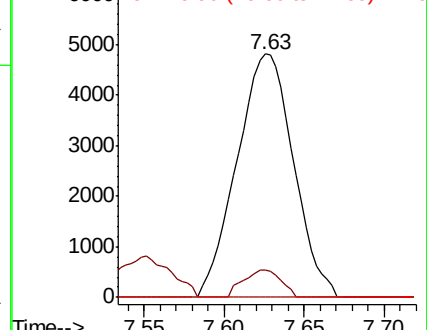
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.093 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.09 min

Lab File: VN061925.D

Acq: 19 Jun 2020 2:29

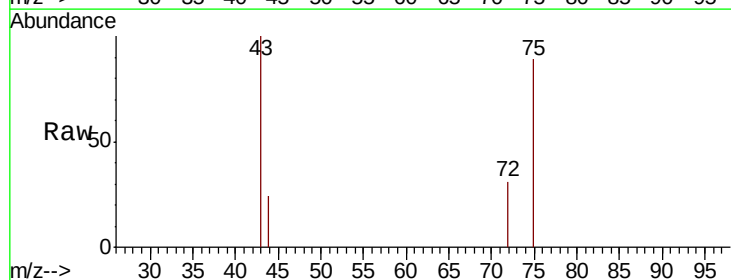
Tgt Ion: 43 Resp: 2136

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

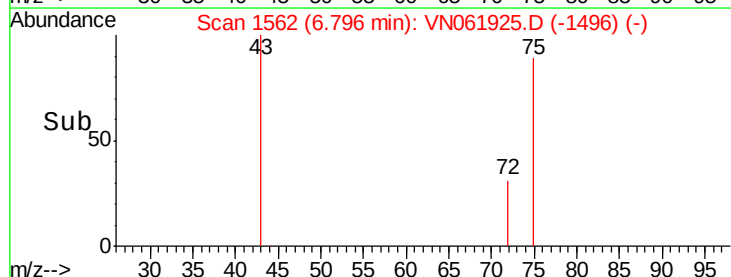
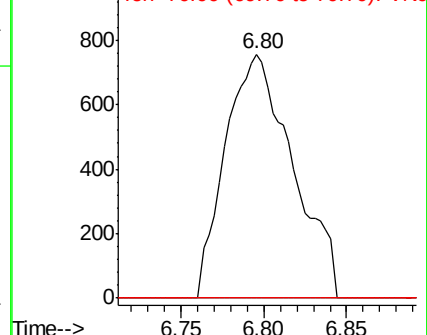
70 0.0 9.4 14.2#

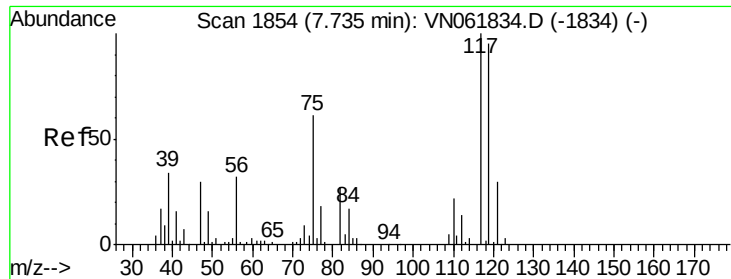


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.787 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061925.D

Acq: 19 Jun 2020 2:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#02

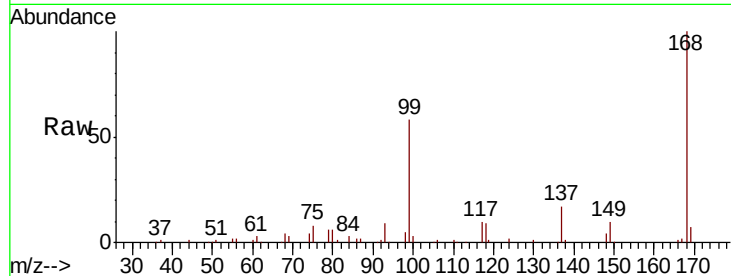
Tot Ion:117 Resp: 14336

Ion Ratio Lower Upper

117 100

119 5.9 75.8 113.6#

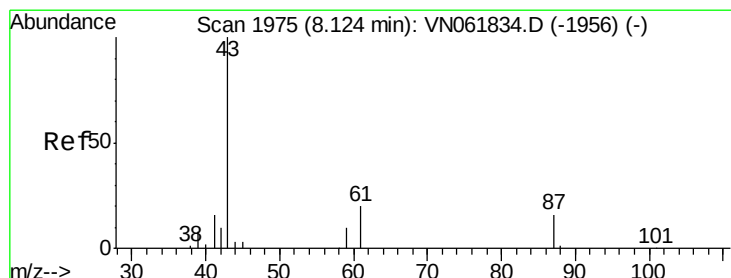
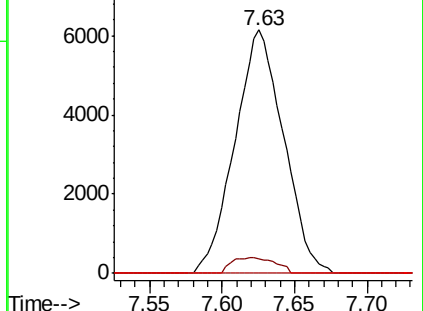
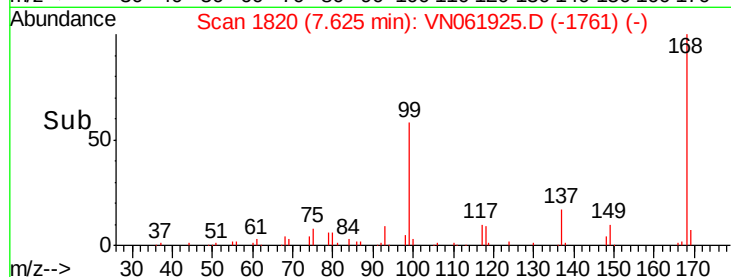
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.353 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VN061925.D

Acq: 19 Jun 2020 2:29

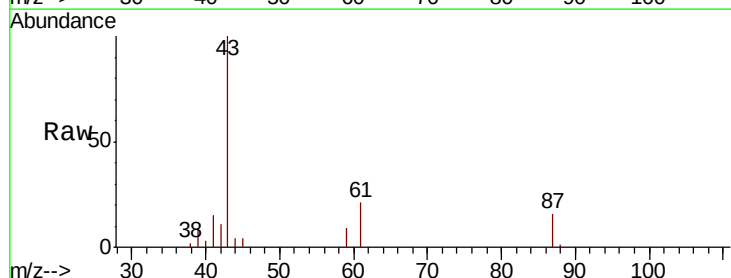
Tgt Ion: 43 Resp: 34085

Ion Ratio Lower Upper

43 100

61 20.9 24.0 36.0#

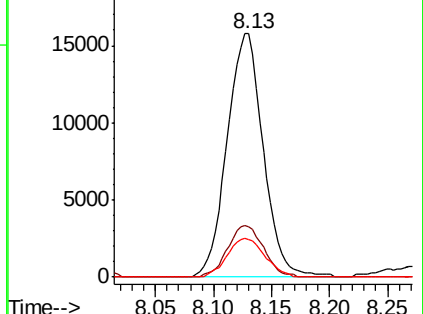
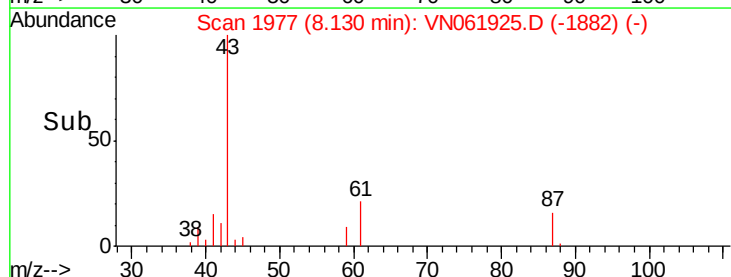
87 16.5 12.5 18.7

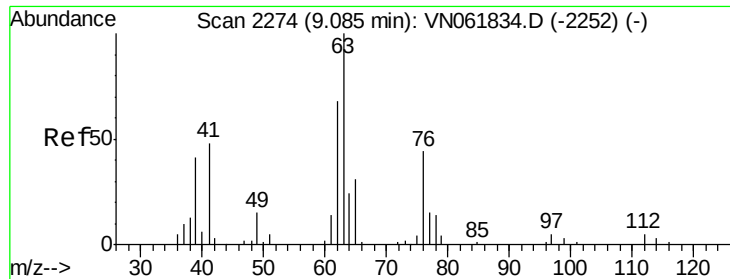


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

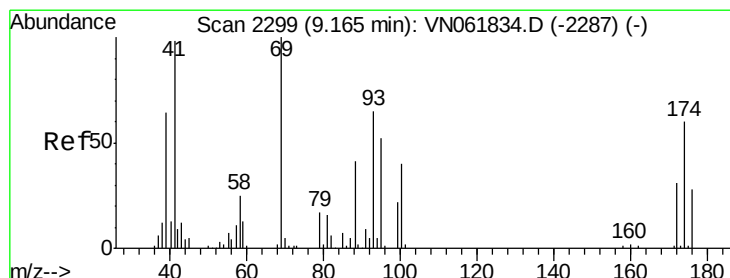
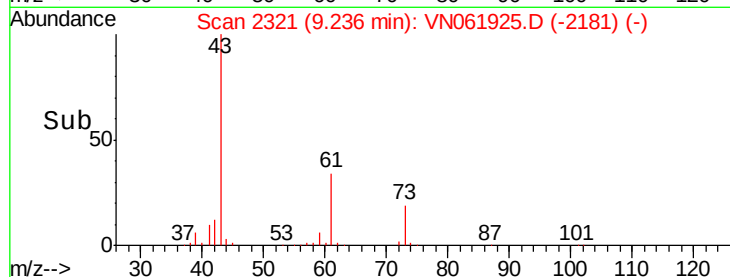
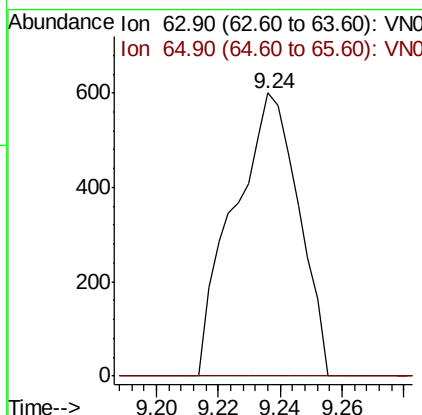
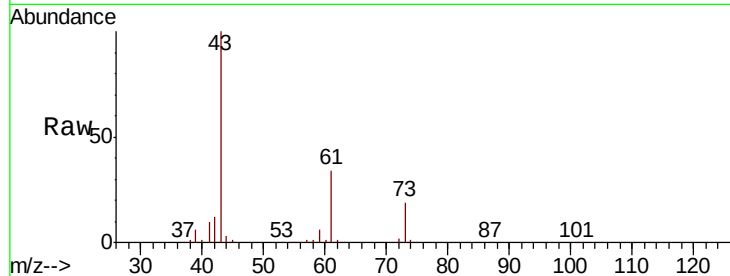




#45
 1,2-Dichloropropane
 Concen: 0.469 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

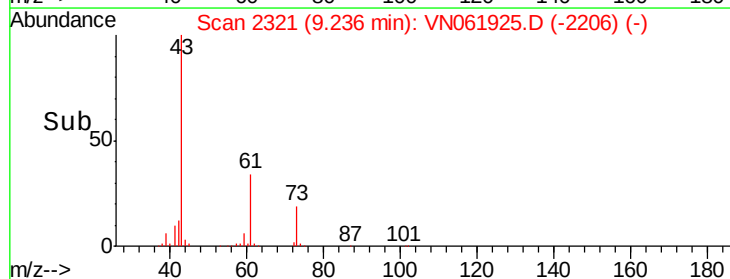
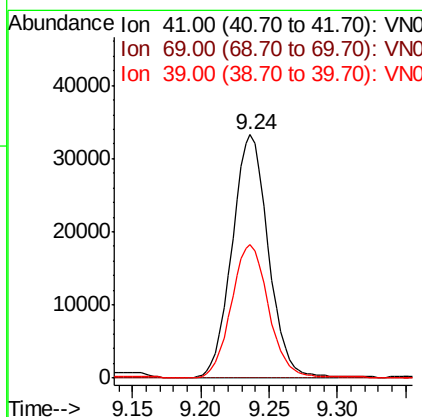
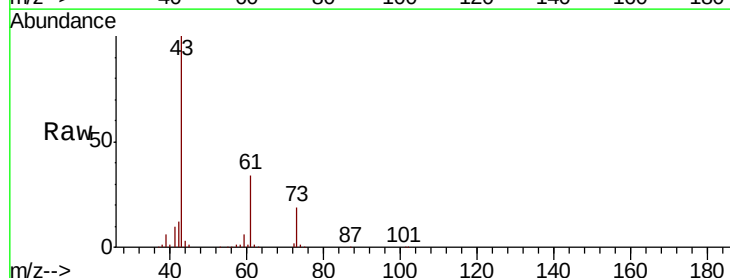
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#02

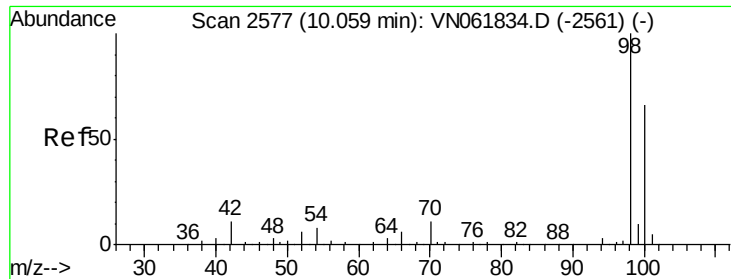
Tot Ion: 63 Resp: 873
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 41.085 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.07 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Tgt Ion: 41 Resp: 61510
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.0 124.4#
 39 56.7 55.1 82.7





#50

Toluene-d8

Concen: 51.053 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061925.D

Acq: 19 Jun 2020 2:29

Instrument :

MSVOA_N

ClientSampleId :

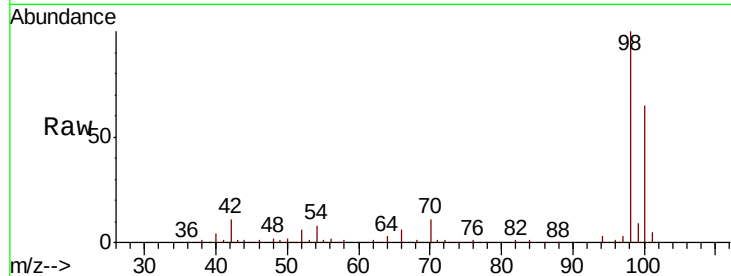
PB129596ZHE#02

Tot Ion: 98 Resp: 352172

Ion Ratio Lower Upper

98 100

100 65.1 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

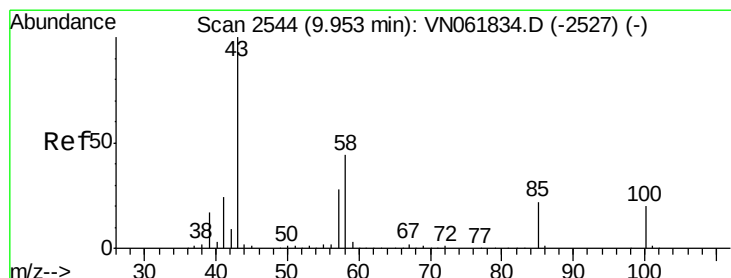
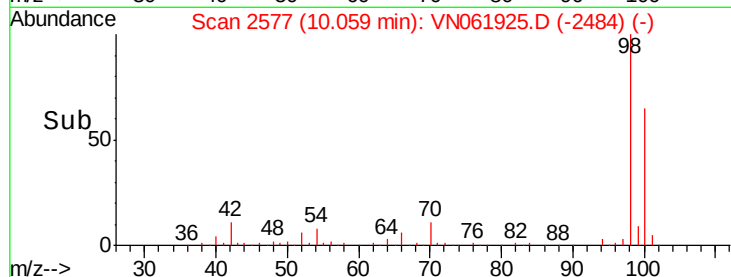
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.042 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061925.D

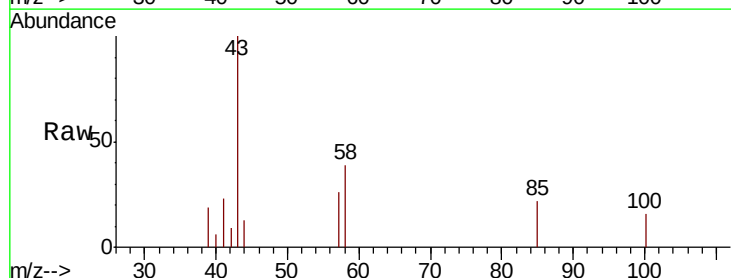
Acq: 19 Jun 2020 2:29

Tgt Ion: 43 Resp: 3973

Ion Ratio Lower Upper

43 100

58 48.3 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) (-)

9.96

6000

5000

4000

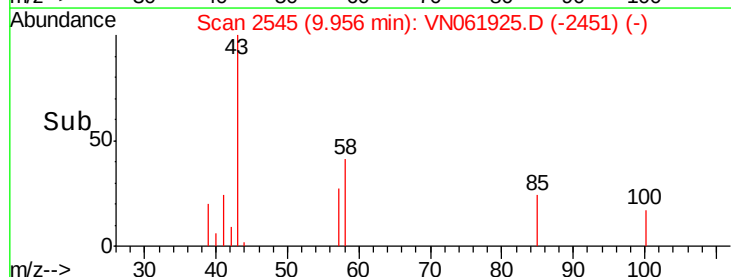
3000

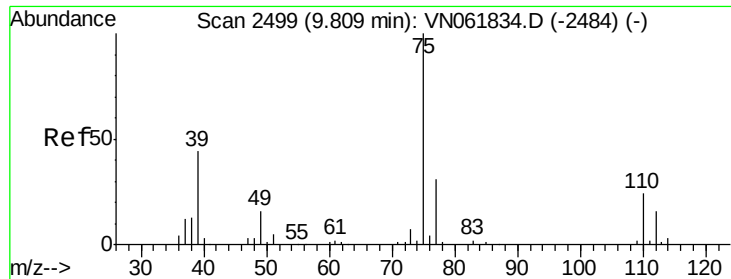
2000

1000

0

Time-->

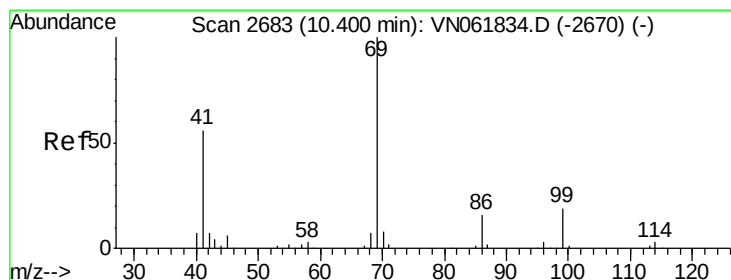
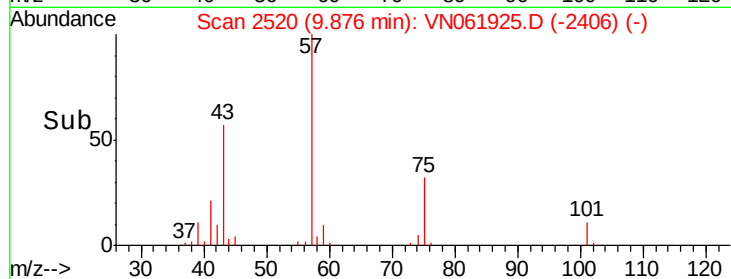
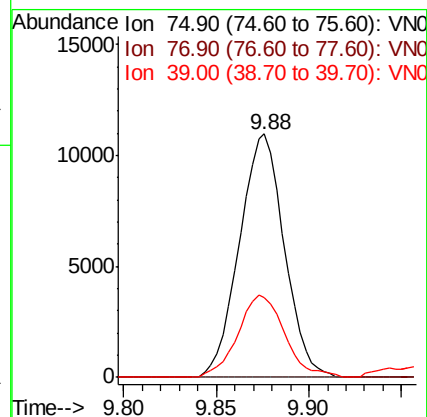
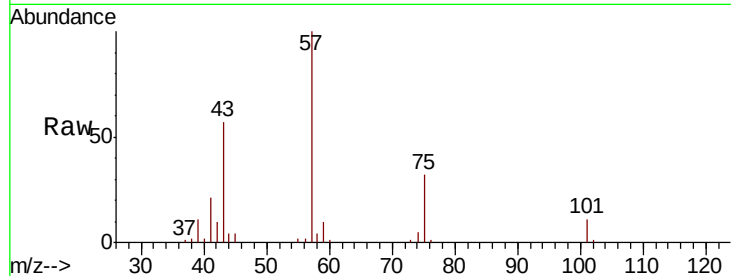




#54
 cis-1,3-Dichloropropene
 Concen: 5.945 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

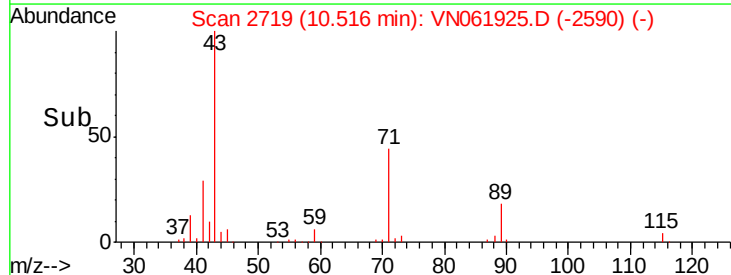
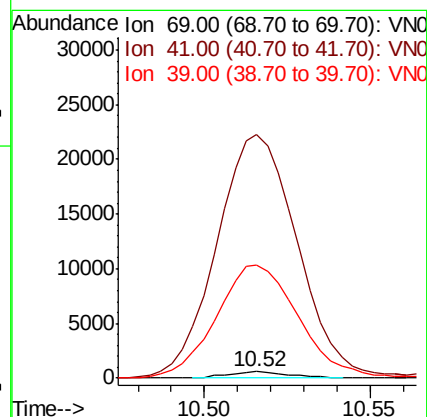
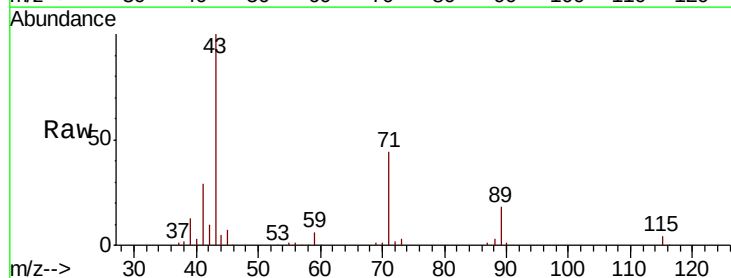
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#02

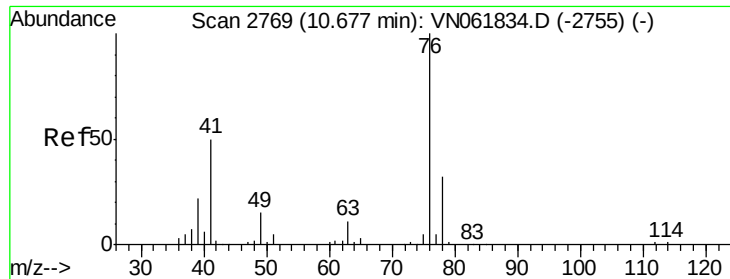
Tot Ion: 75 Resp: 18406
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 33.0 35.4 53.0#



#56
 Ethyl methacrylate
 Concen: 3.143 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Tgt Ion: 69 Resp: 731
 Ion Ratio Lower Upper
 69 100
 41 5217.4 44.9 67.3#
 39 2454.6 30.0 45.0#

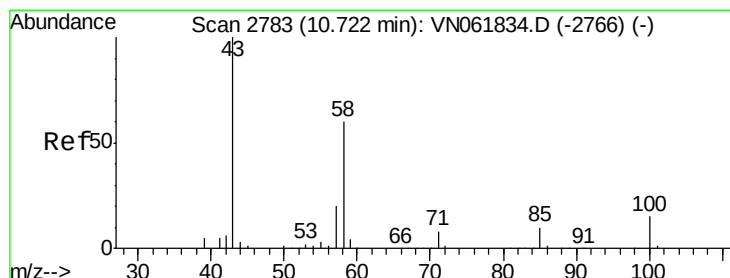
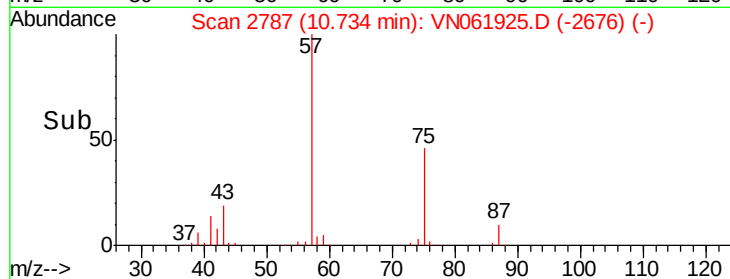
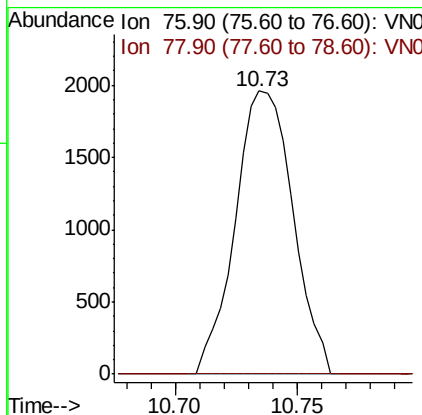
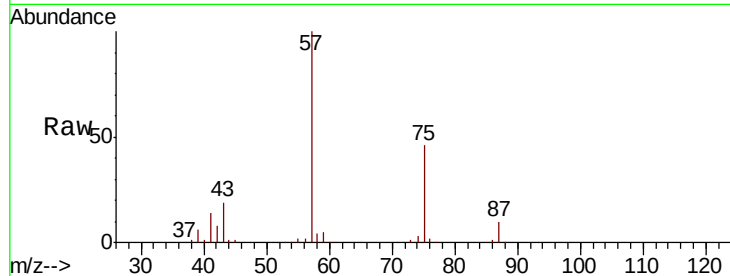




#57
 1,3-Dichloropropane
 Concen: 1.014 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.06 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

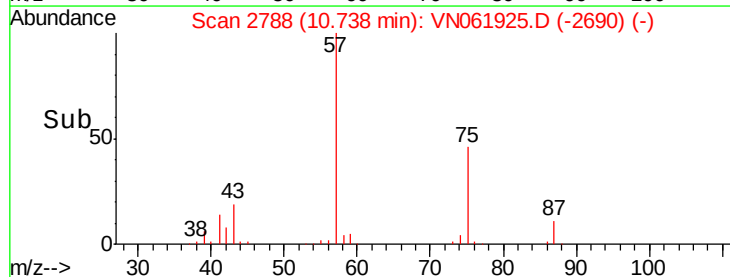
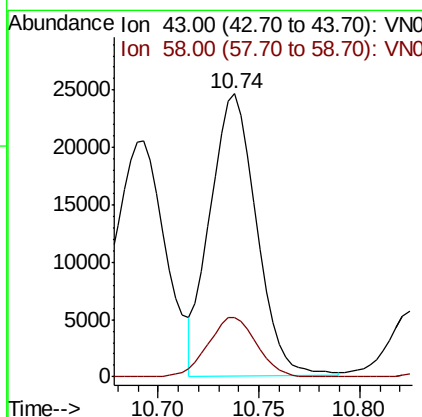
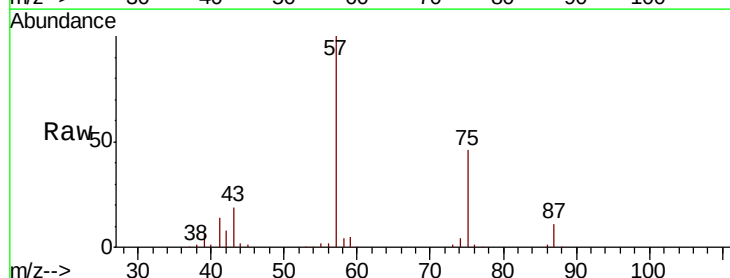
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#02

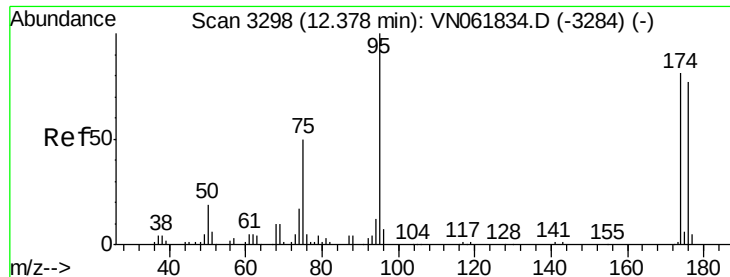
Tot Ion: 76 Resp: 3216
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 37.322 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Tgt Ion: 43 Resp: 39277
 Ion Ratio Lower Upper
 43 100
 58 22.0 30.1 90.5#

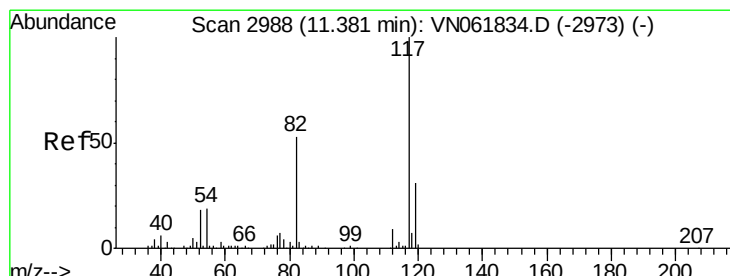
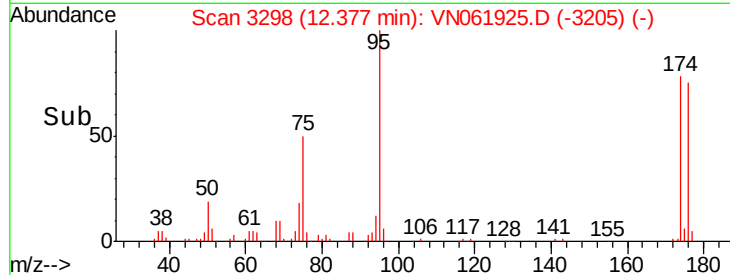
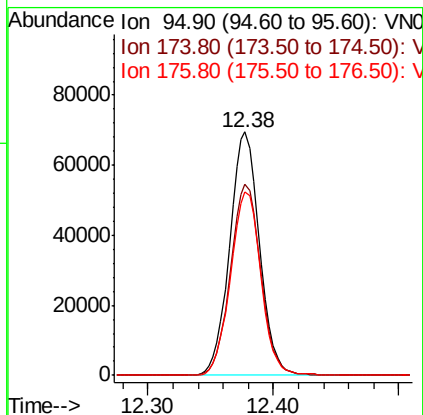
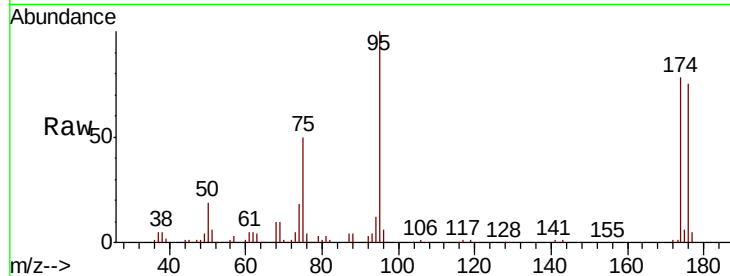




#62
 4-Bromofluorobenzene
 Concen: 48.480 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

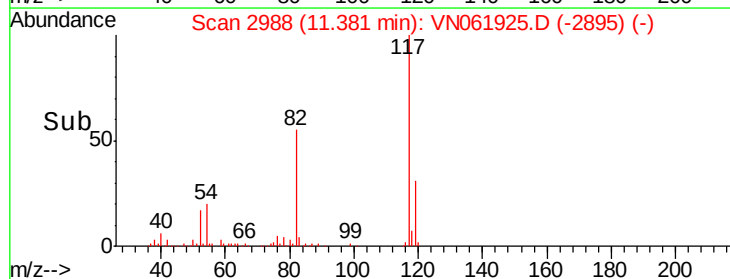
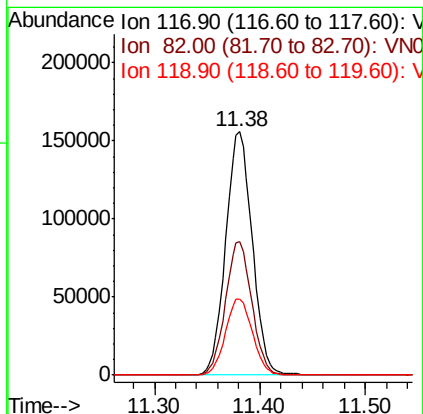
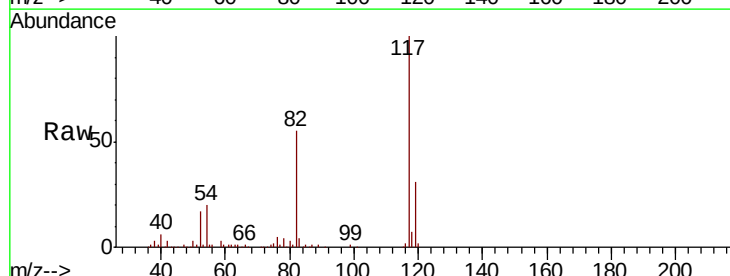
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#02

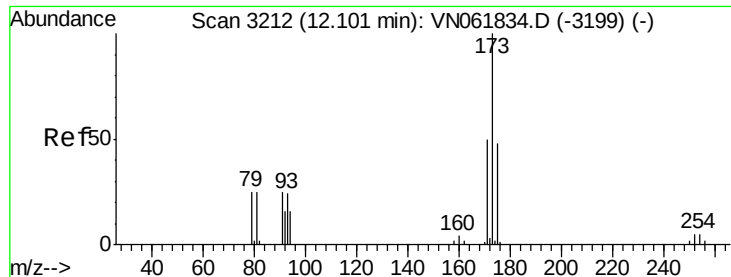
Tot Ion: 95 Resp: 114713
 Ion Ratio Lower Upper
 95 100
 174 80.0 0.0 158.6
 176 76.8 0.0 152.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Tgt Ion: 117 Resp: 271346
 Ion Ratio Lower Upper
 117 100
 82 54.7 42.6 64.0
 119 31.3 24.7 37.1





#71

Bromoform

Concen: 0.707 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061925.D

Acq: 19 Jun 2020 2:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#02

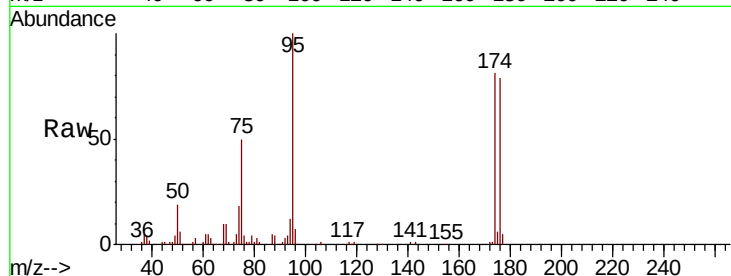
Tot Ion:173 Resp: 1029

Ion Ratio Lower Upper

173 100

175 587.0 23.9 71.7#

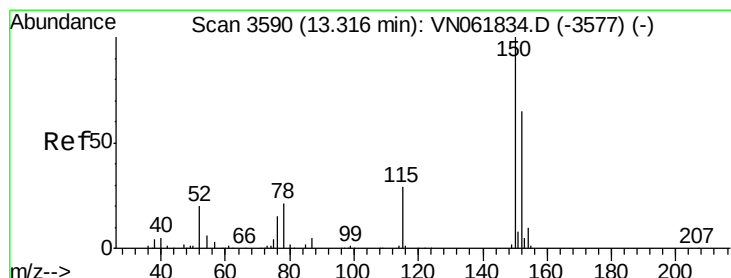
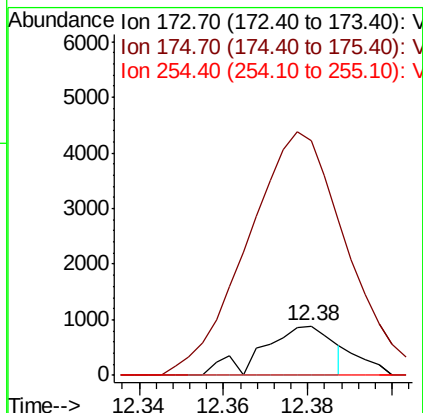
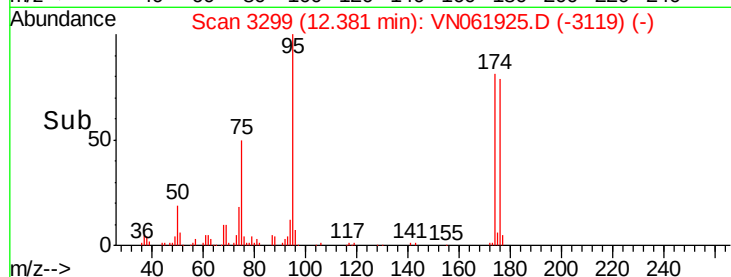
254 0.0 0.0 0.0



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: VN061925.D

Acq: 19 Jun 2020 2:29

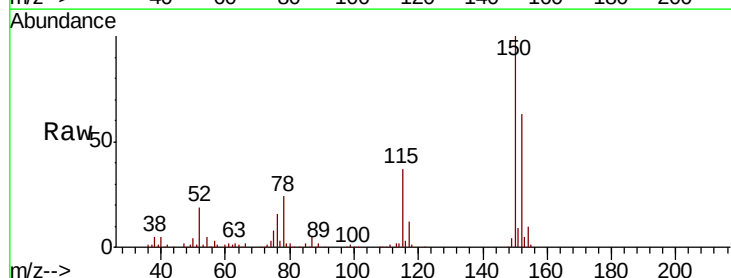
Tgt Ion:152 Resp: 103681

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

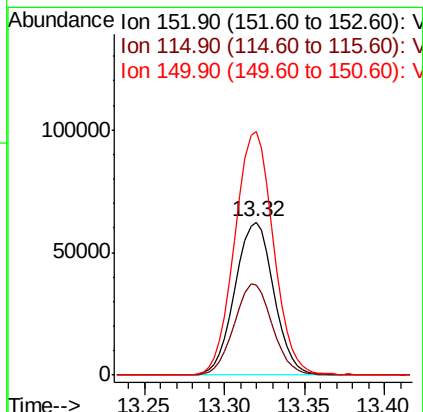
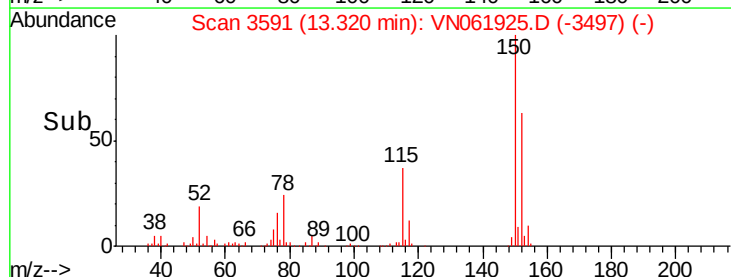
150 157.9 0.0 347.6

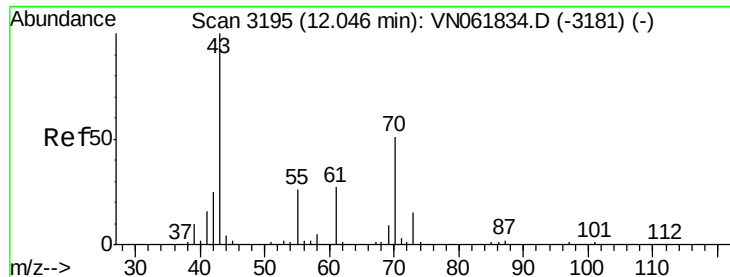


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.810 ug/l

RT: 12.00 min Scan# 3181

Delta R.T. -0.04 min

Lab File: VN061925.D

Acq: 19 Jun 2020 2:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#02

Tot Ion: 43 Resp: 2119

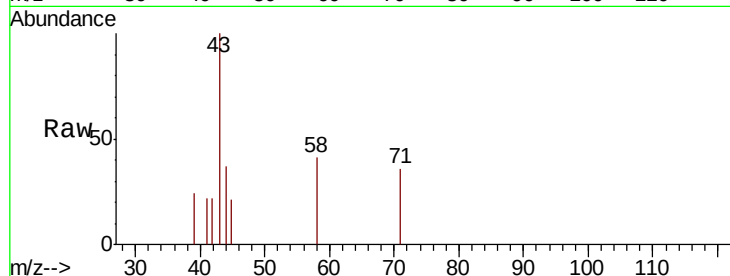
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

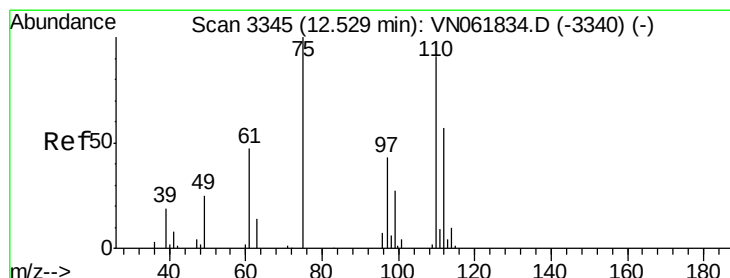
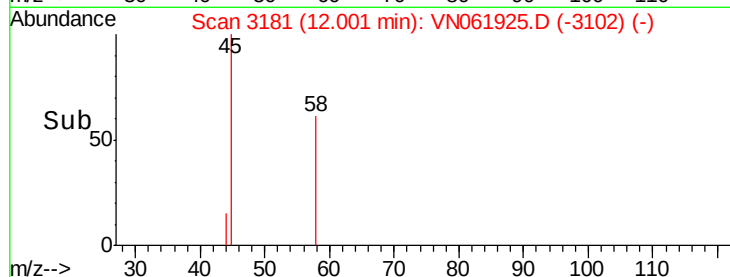
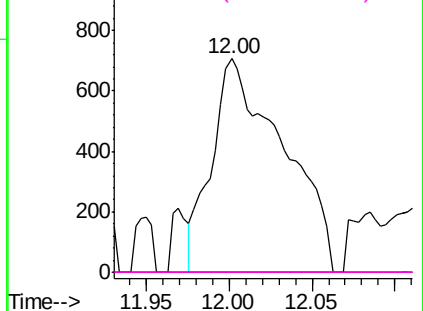


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.155 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061925.D

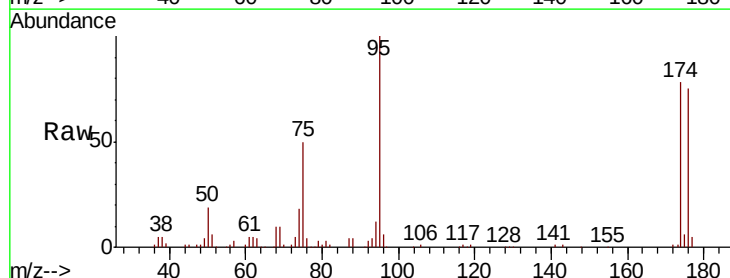
Acq: 19 Jun 2020 2:29

Tgt Ion: 75 Resp: 57310

Ion Ratio Lower Upper

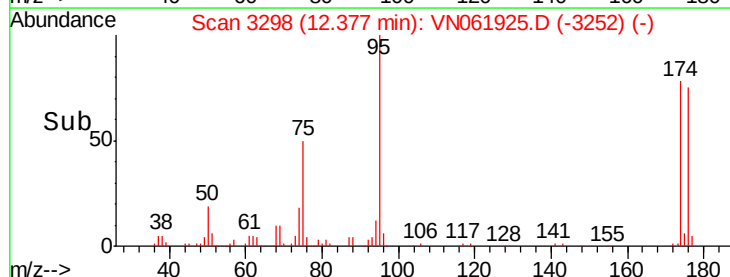
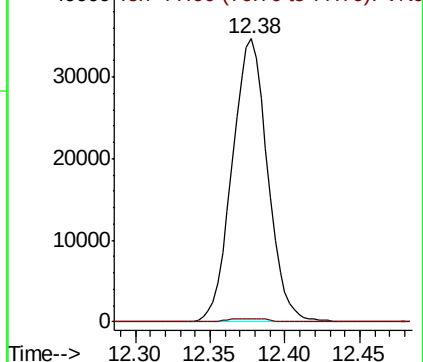
75 100

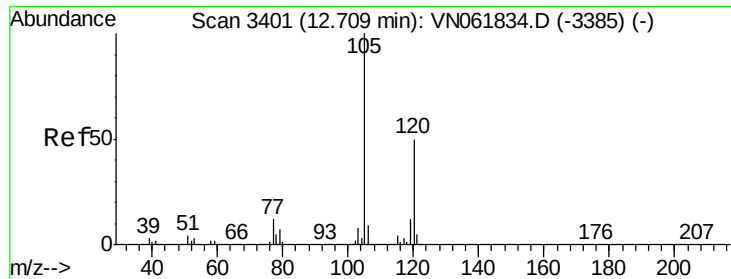
77 0.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

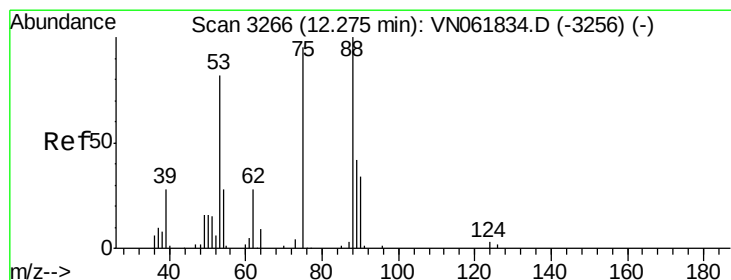
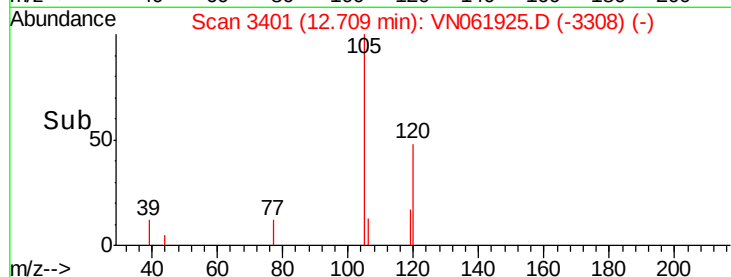
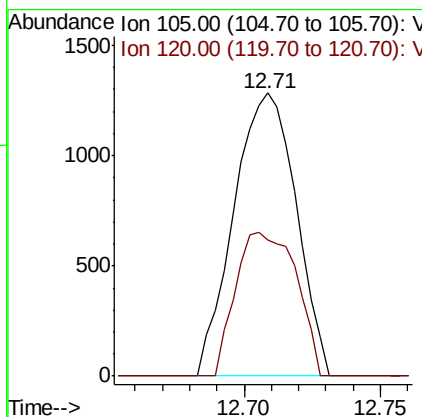
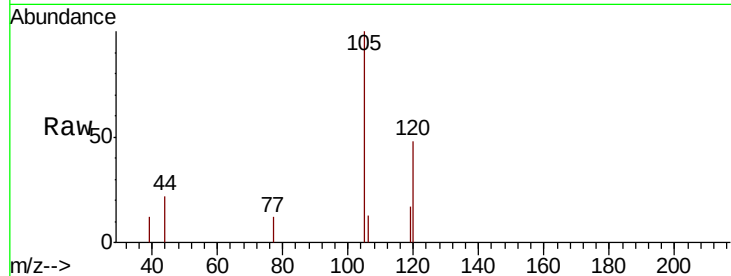




#80
 1,3,5-Trimethylbenzene
 Concen: 0.333 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#02

Tot Ion:105 Resp: 2030
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.791 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061925.D
 Acq: 19 Jun 2020 2:29

Tgt Ion: 75 Resp: 57310
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

