

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061931.D
 Acq On : 19 Jun 2020 4:54
 Operator : JC/MD
 Sample : PB129596ZHE#08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#08

Quant Time: Jun 19 05:35:26 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

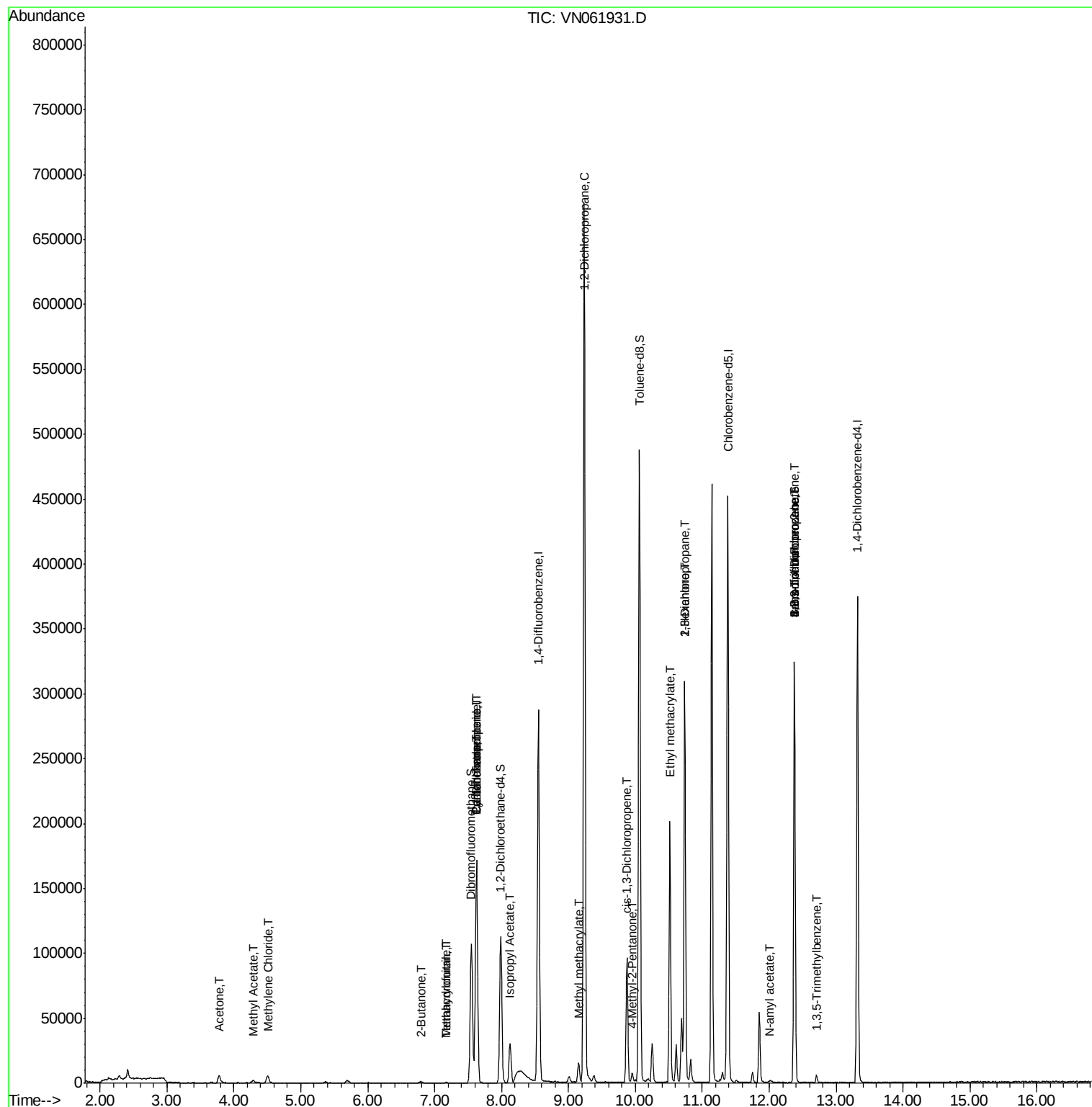
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	265900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	268307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	102143	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	95775	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
35) Dibromofluoromethane	7.55	113	83934	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
50) Toluene-d8	10.06	98	340733	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.38	95	113341	49.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.82%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	9880	17.838	ug/l	94
18) Methyl Acetate	4.28	43	3835	2.405	ug/l	98
20) Methylene Chloride	4.50	84	4647	2.575	ug/l	90
25) 2-Butanone	6.80	43	1775	2.197	ug/l	95
29) Tetrahydrofuran	7.17	42	285	0.536	ug/l #	26
31) Cyclohexane	7.62	56	3075	1.244	ug/l #	12
36) 1,1-Dichloropropene	7.63	75	10908	4.498	ug/l #	45
38) Carbon Tetrachloride	7.63	117	14326	5.965	ug/l #	16
41) Methacrylonitrile	7.16	41	186	0.230	ug/l #	100
43) Isopropyl Acetate	8.13	43	34305	10.748	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	819	0.454	ug/l #	43
48) Methyl methacrylate	9.14	41	1902	1.310	ug/l #	5
51) 4-Methyl-2-Pentanone	9.96	43	4029	2.136	ug/l	93
54) cis-1,3-Dichloropropene	9.87	75	18460	6.150	ug/l #	68
56) Ethyl methacrylate	10.51	69	774	3.165	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3395	1.104	ug/l #	42
59) 2-Hexanone	10.74	43	40215	38.664	ug/l #	47
71) Bromoform	12.38	173	711	0.494	ug/l #	1
74) N-amyl acetate	12.01	43	1058	3.442	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	57097	28.473	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3875	0.645	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	57097	77.657	ug/l #	14

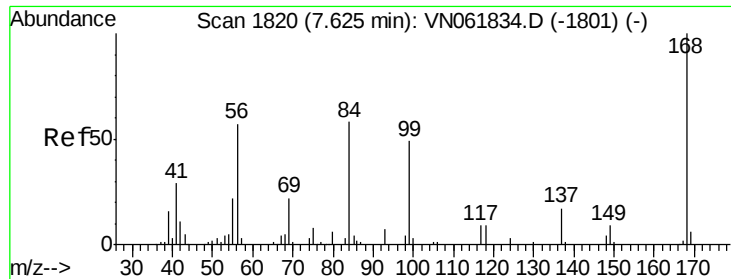
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061820\
Data File : VN061931.D
Acq On : 19 Jun 2020 4:54
Operator : JC/MD
Sample : PB129596ZHE#08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#08

Quant Time: Jun 19 05:35:26 2020
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: VN061931.D

Acq: 19 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

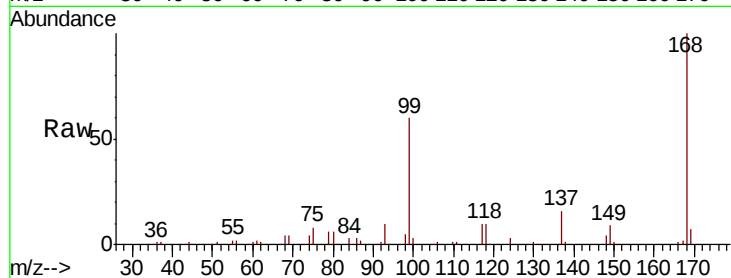
PB129596ZHE#08

Tot Ion:168 Resp: 139811

Ion Ratio Lower Upper

168 100

99 59.8 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

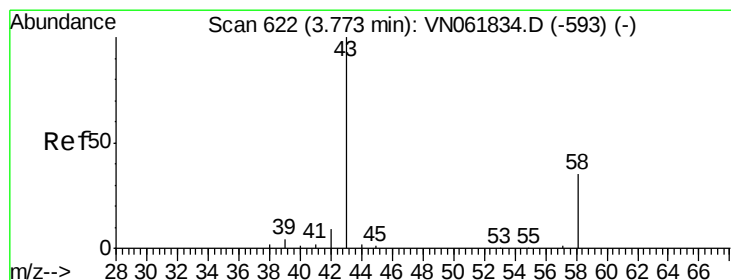
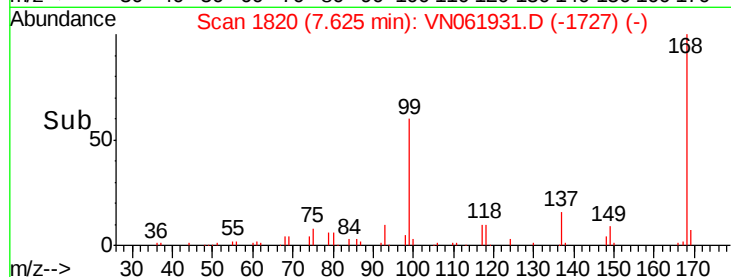
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 17.838 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061931.D

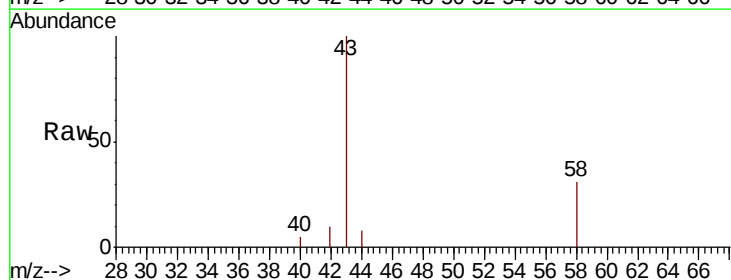
Acq: 19 Jun 2020 4:54

Tgt Ion: 43 Resp: 9880

Ion Ratio Lower Upper

43 100

58 31.2 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

4000

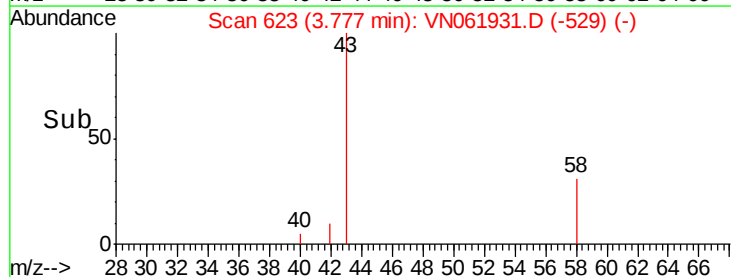
3000

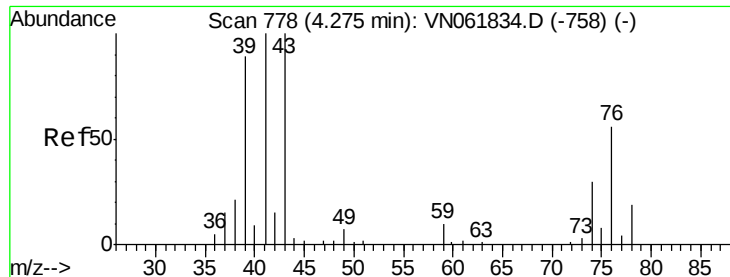
2000

1000

0

Time--> 3.70 3.75 3.80 3.85 3.90

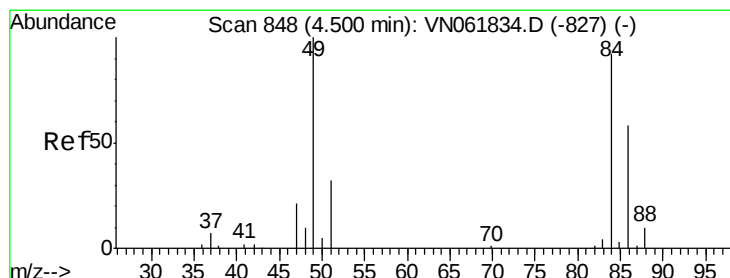
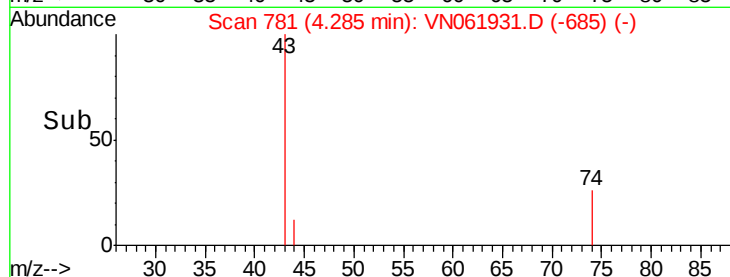
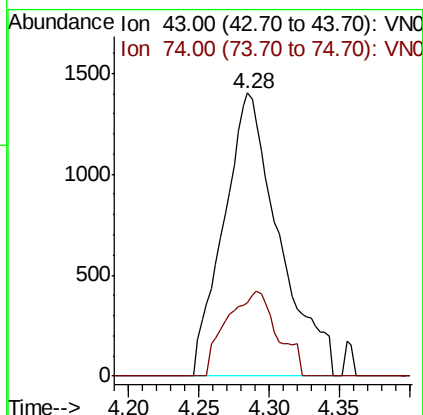
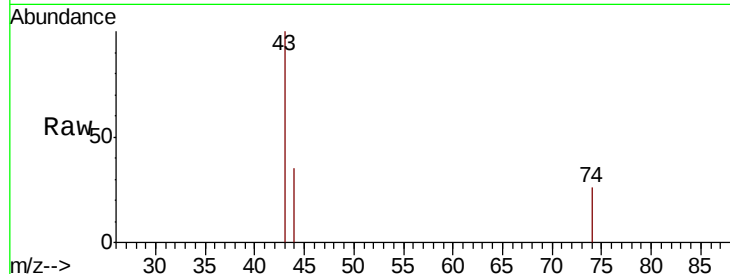




#18
Methyl Acetate
Concen: 2.405 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

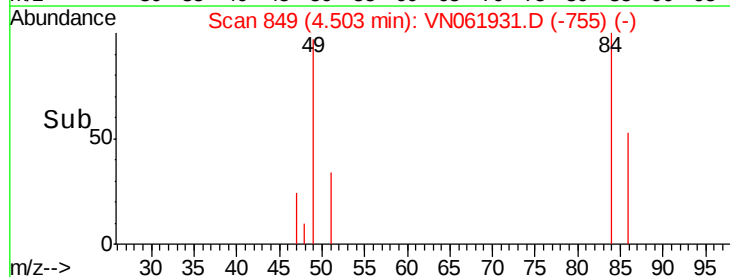
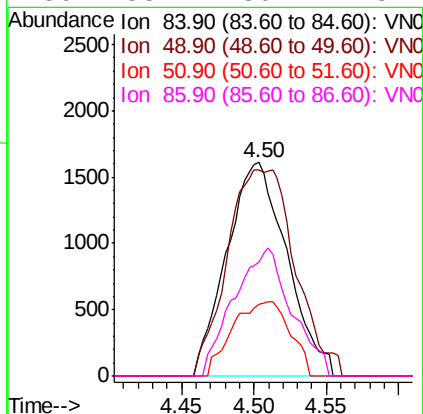
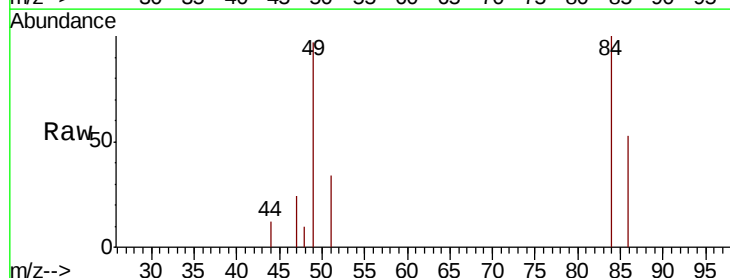
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#08

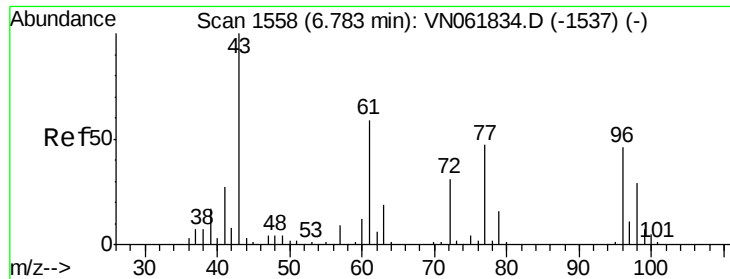
Tot Ion: 43 Resp: 3835
Ion Ratio Lower Upper
43 100
74 27.5 23.0 34.4



#20
Methylene Chloride
Concen: 2.575 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

Tgt Ion: 84 Resp: 4647
Ion Ratio Lower Upper
84 100
49 96.6 87.0 130.4
51 33.8 27.8 41.6
86 53.1 50.2 75.2

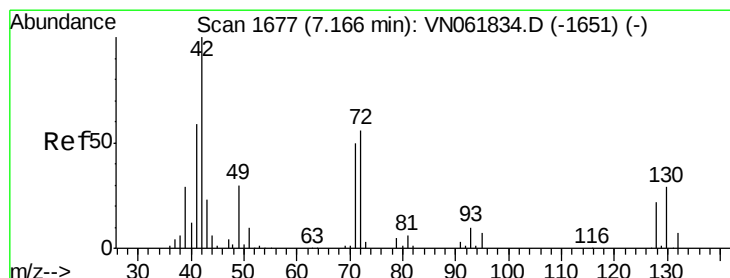
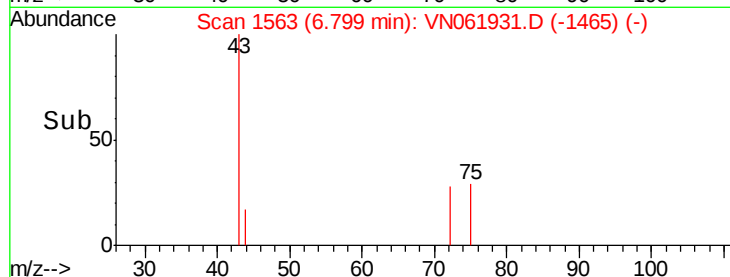
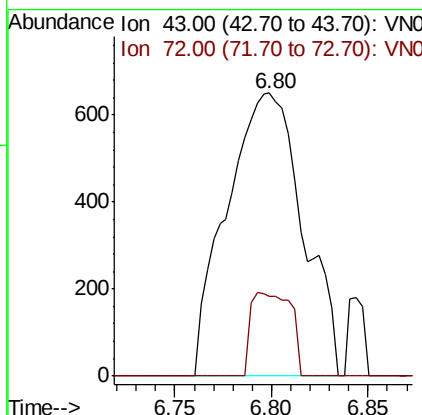
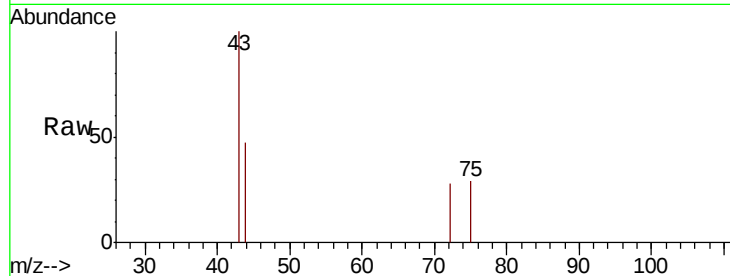




#25
2-Butanone
Concen: 2.197 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.02 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

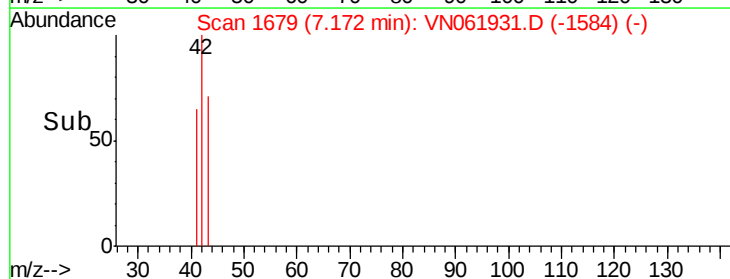
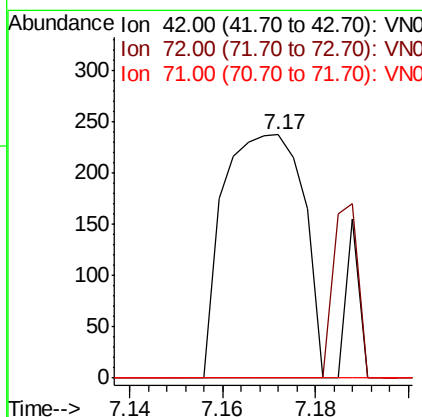
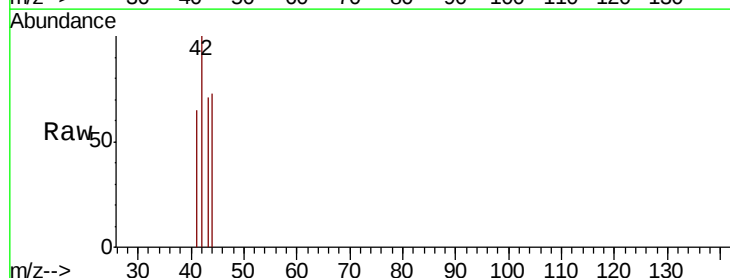
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#08

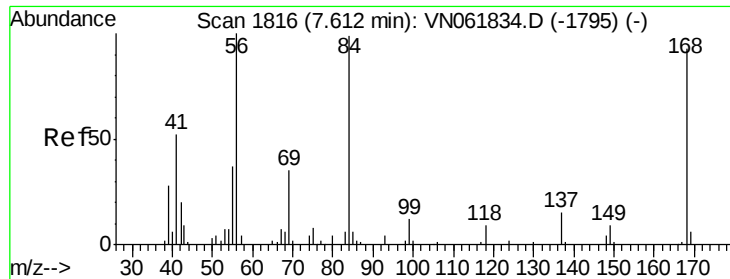
Tot Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
72 28.1 24.6 37.0



#29
Tetrahydrofuran
Concen: 0.536 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

Tgt Ion: 42 Resp: 285
Ion Ratio Lower Upper
42 100
72 0.0 44.0 66.0#
71 0.0 40.0 60.0#

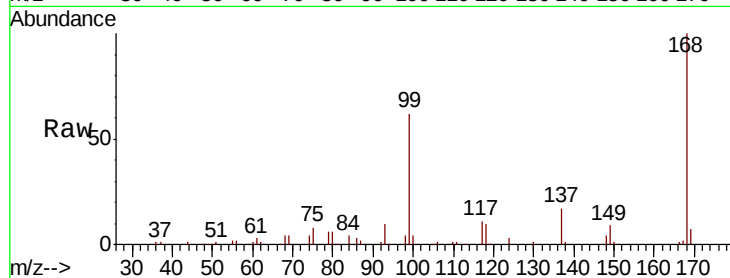




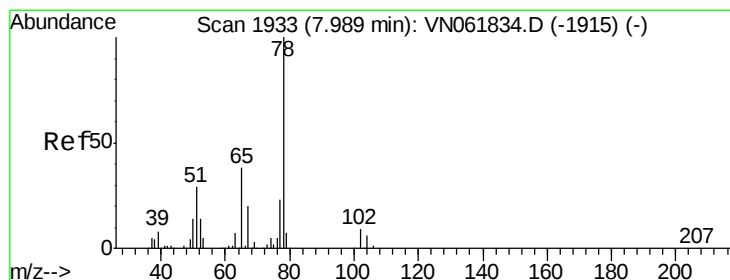
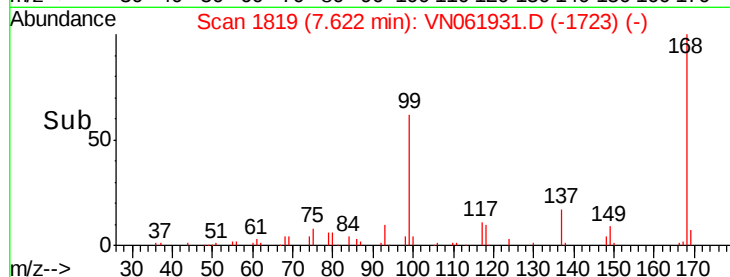
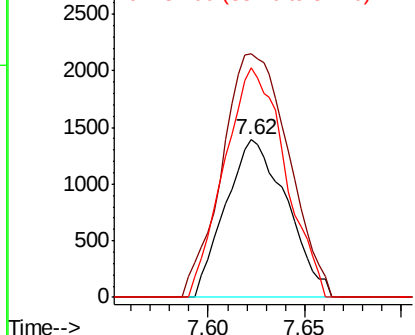
#31
Cyclohexane
Concen: 1.244 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#08

Tot Ion: 56 Resp: 3075
Ion Ratio Lower Upper
56 100
69 154.3 27.7 41.5#
84 145.2 79.1 118.7#

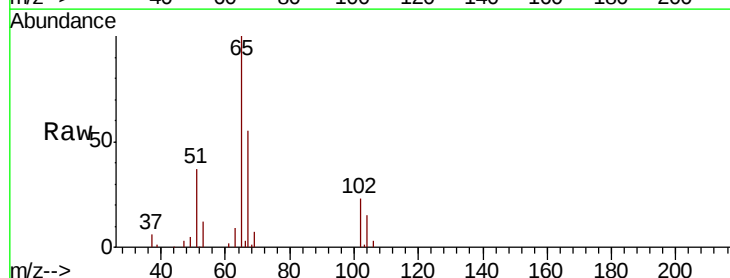


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

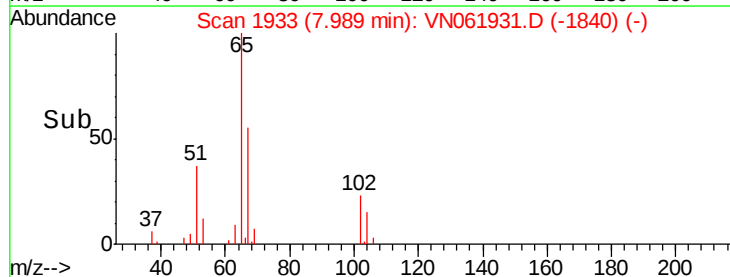
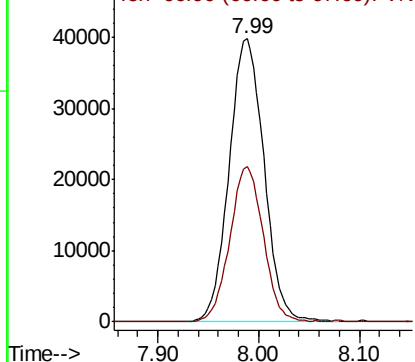


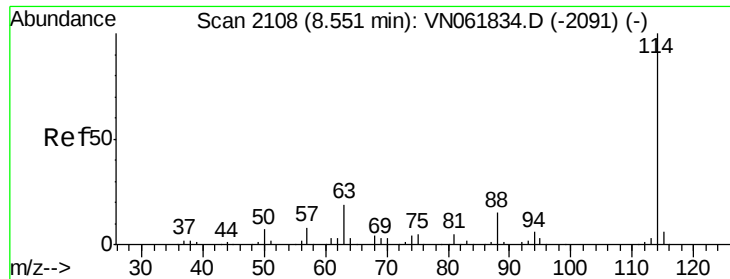
#33
1,2-Dichloroethane-d4
Concen: 51.078 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

Tgt Ion: 65 Resp: 95775
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.2



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

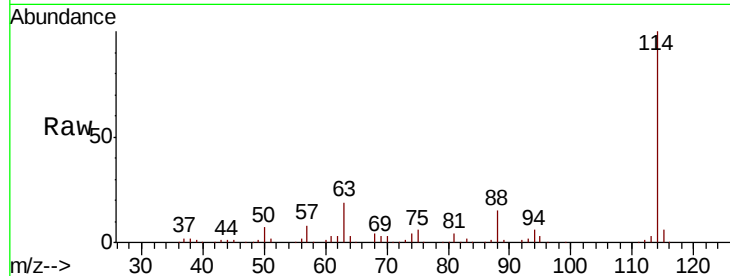




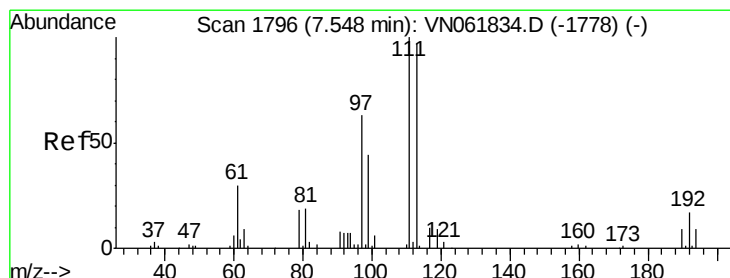
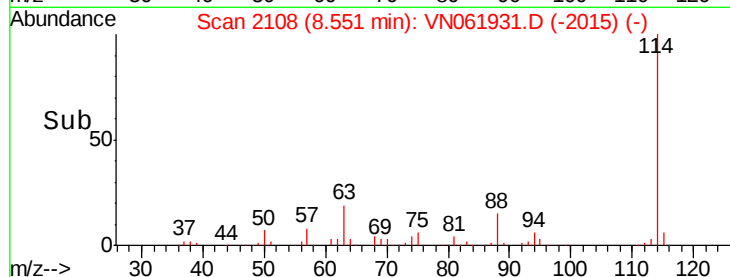
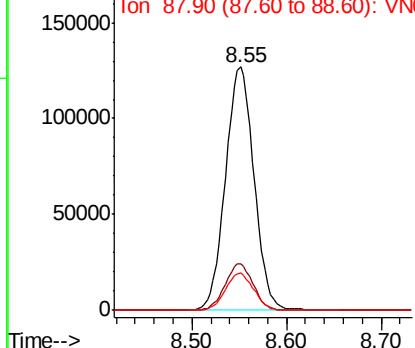
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#08

Tot Ion:114 Resp: 265900
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.6
88 15.2 0.0 31.0

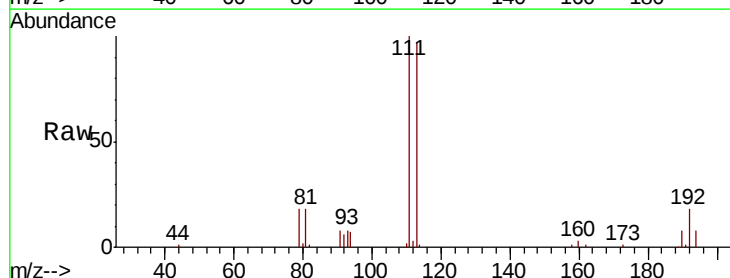


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

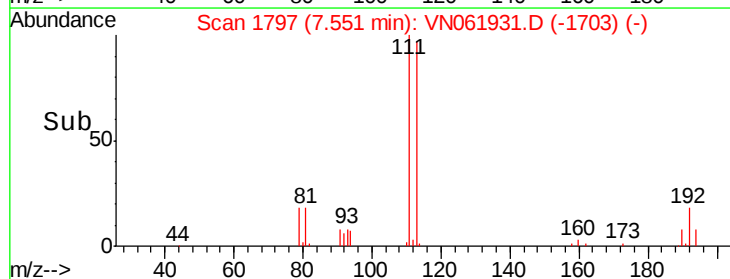
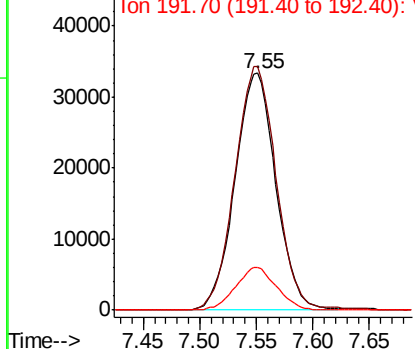


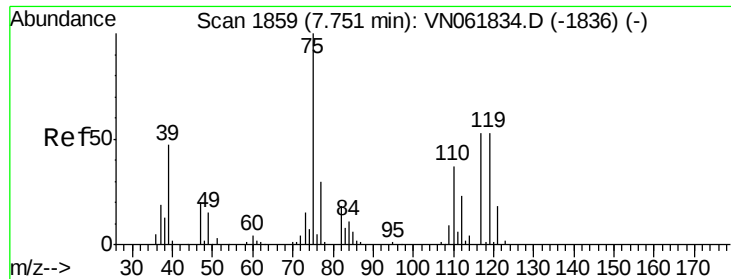
#35
Dibromofluoromethane
Concen: 49.341 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

Tgt Ion:113 Resp: 83934
Ion Ratio Lower Upper
113 100
111 104.0 83.7 125.5
192 17.9 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

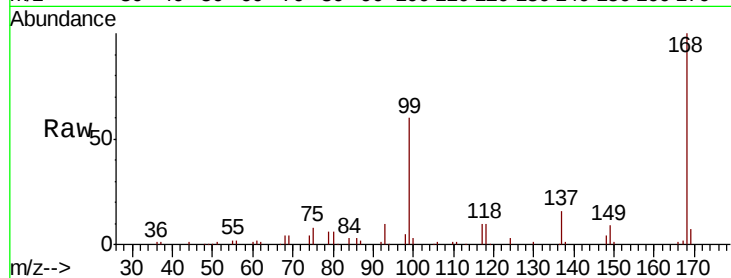




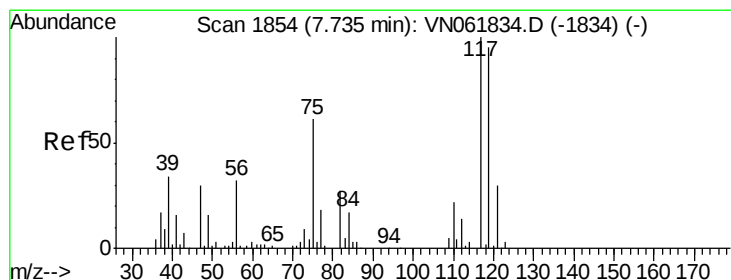
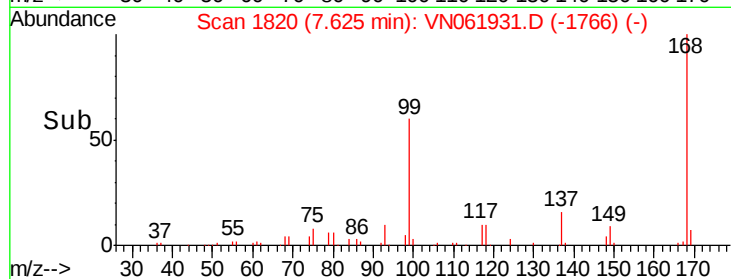
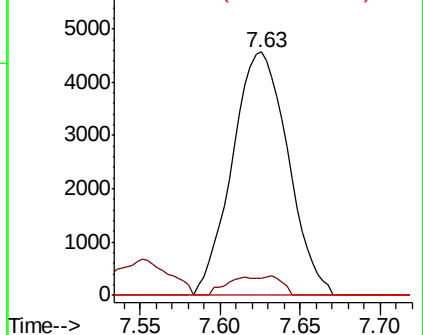
#36
 1,1-Dichloropropene
 Concen: 4.498 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#08

Tot Ion	Ratio	Lower	Upper
75	100		
110	4.1	18.2	54.6#
77	0.0	24.2	36.4#

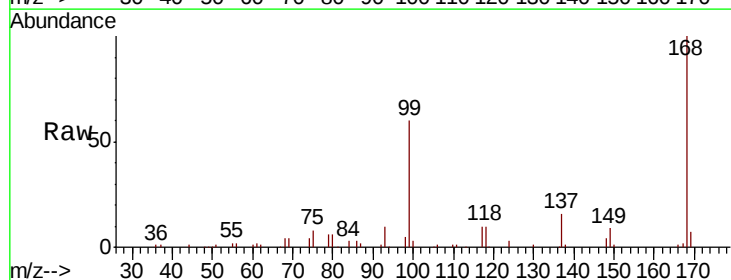


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

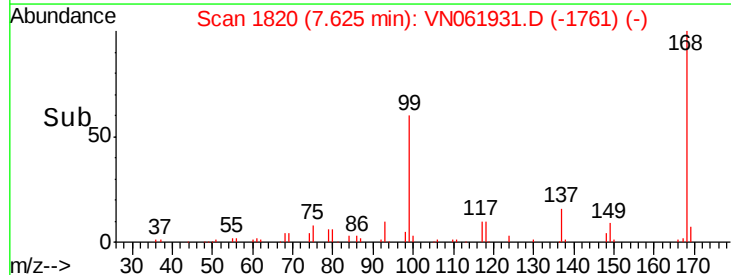
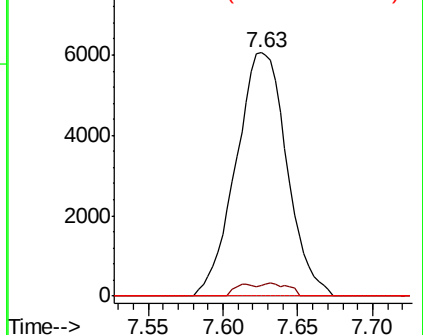


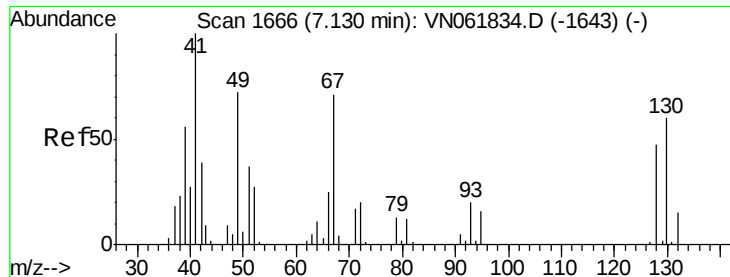
#38
 Carbon Tetrachloride
 Concen: 5.965 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	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) (-)

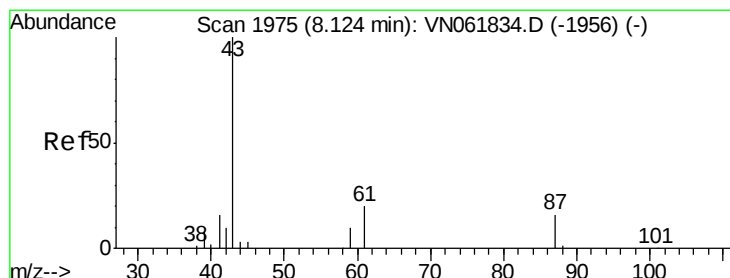
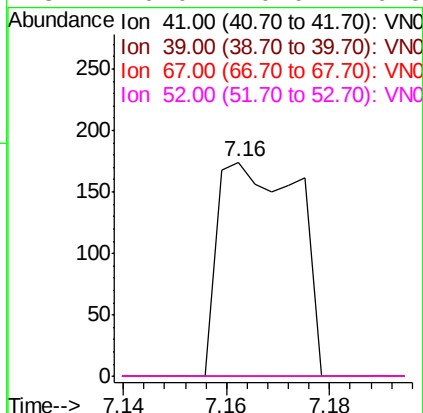
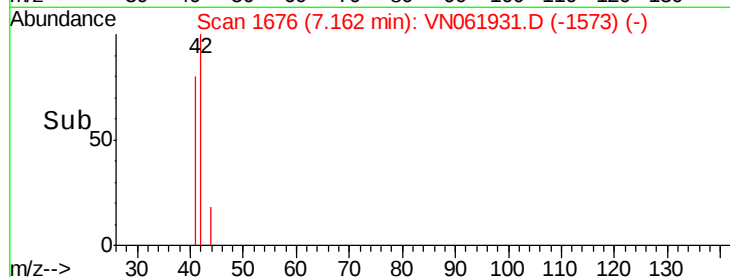
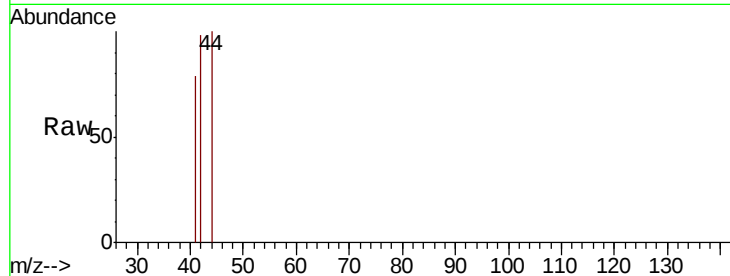




#41
Methacrylonitrile
Concen: 0.230 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.03 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

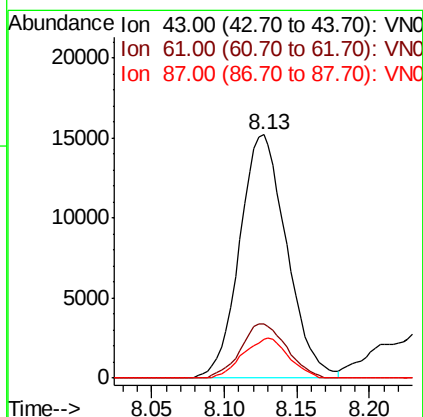
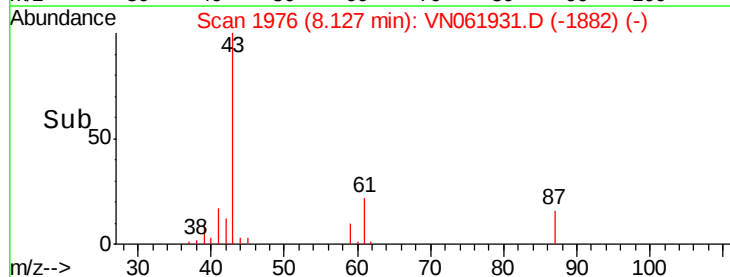
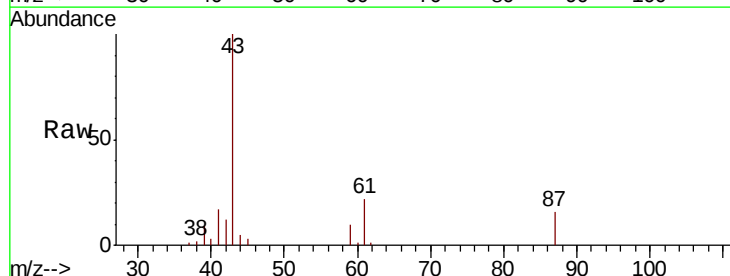
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#08

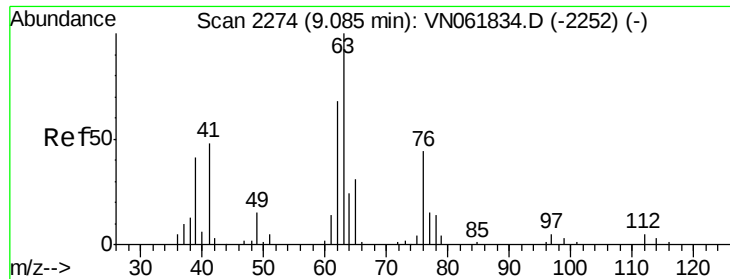
Tot Ion:	41	Resp:	186
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.748 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061931.D
Acq: 19 Jun 2020 4:54

Tgt Ion:	43	Resp:	34305
Ion	Ratio	Lower	Upper
43	100		
61	21.8	24.0	36.0#
87	15.9	12.5	18.7

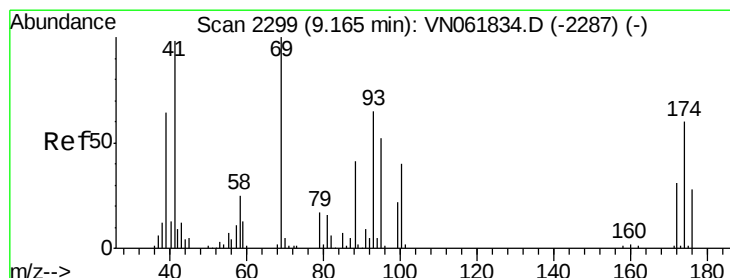
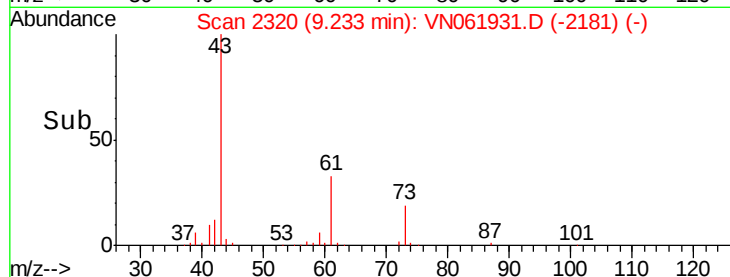
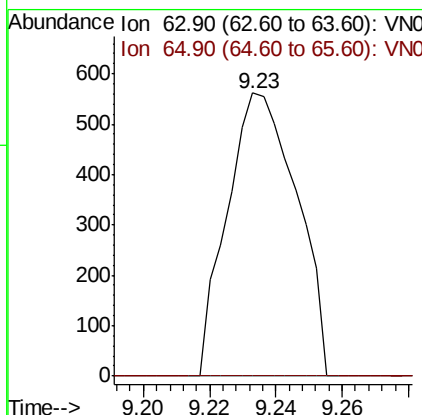
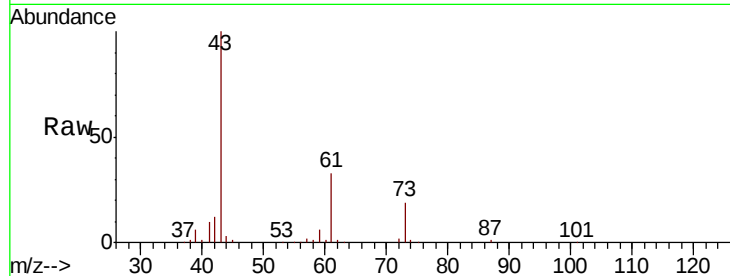




#45
 1,2-Dichloropropane
 Concen: 0.454 ug/l
 RT: 9.23 min Scan# 2320
 Delta R.T. 0.15 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

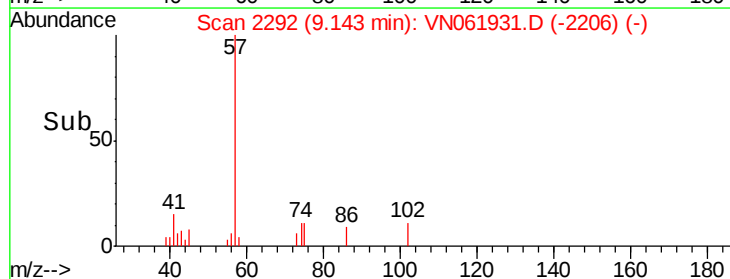
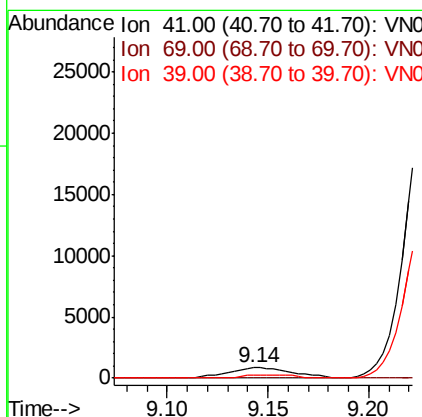
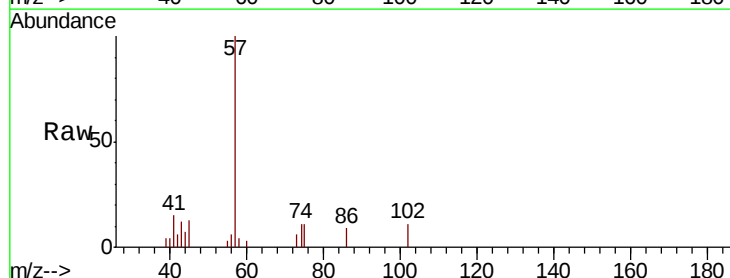
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#08

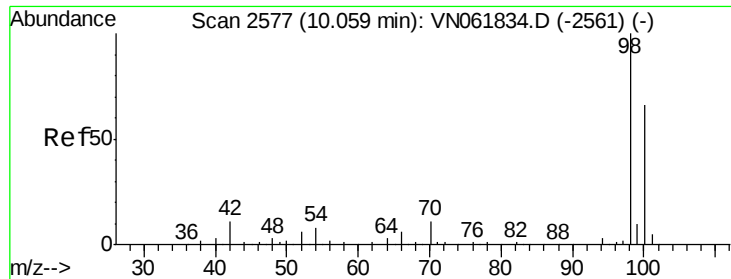
Tot Ion: 63 Resp: 819
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.1 37.7#



#48
 Methyl methacrylate
 Concen: 1.310 ug/l
 RT: 9.14 min Scan# 2292
 Delta R.T. -0.02 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

Tgt Ion: 41 Resp: 1902
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.0 124.4#
 39 0.0 55.1 82.7#





#50

Toluene-d8

Concen: 50.949 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061931.D

Acq: 19 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

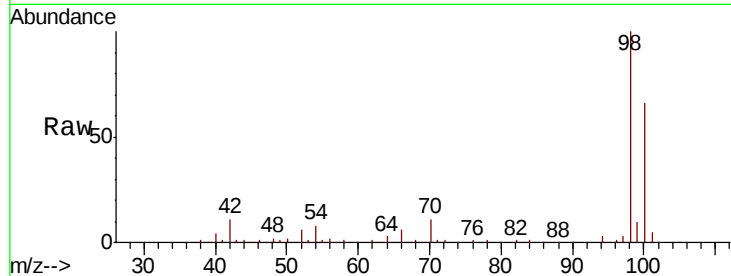
PB129596ZHE#08

Tot Ion: 98 Resp: 340733

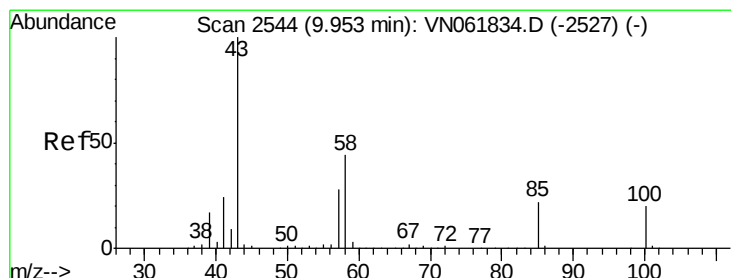
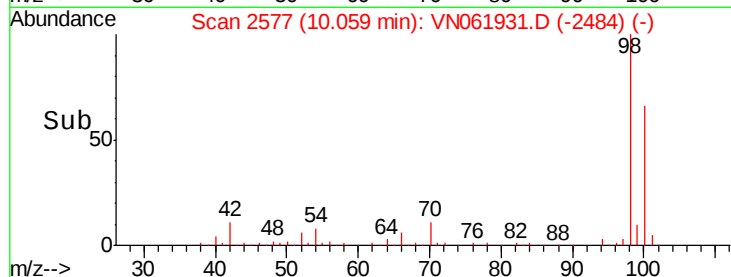
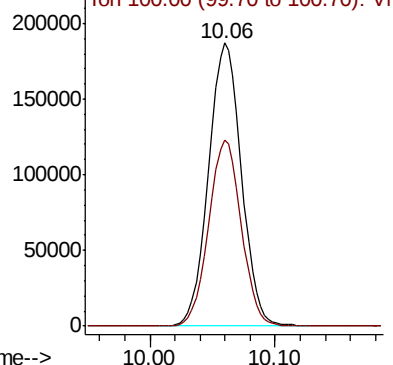
Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061931.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.136 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN061931.D

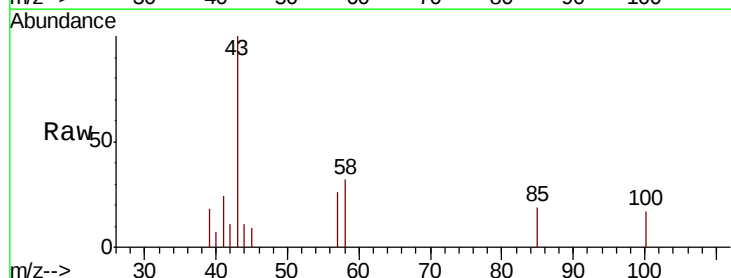
Acq: 19 Jun 2020 4:54

Tgt Ion: 43 Resp: 4029

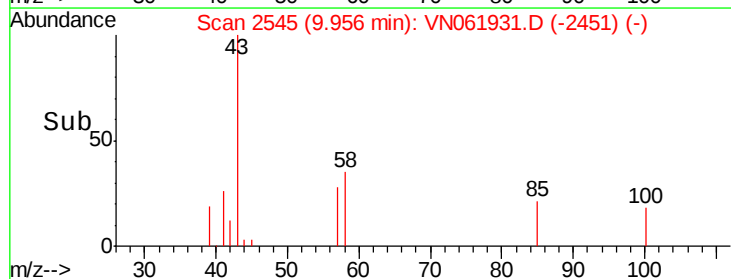
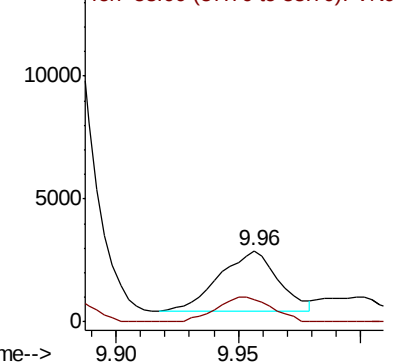
Ion Ratio Lower Upper

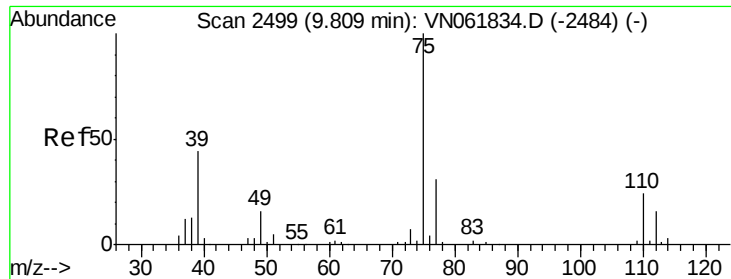
43 100

58 38.7 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061931.D (-2451) (-)



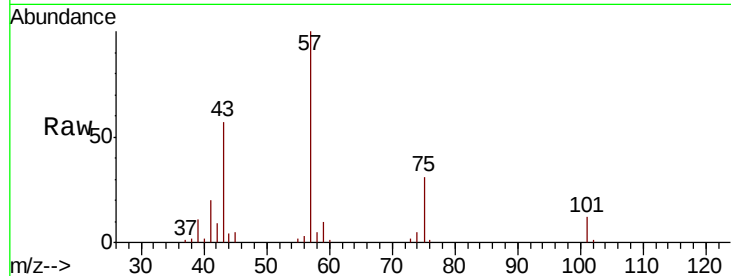


#54

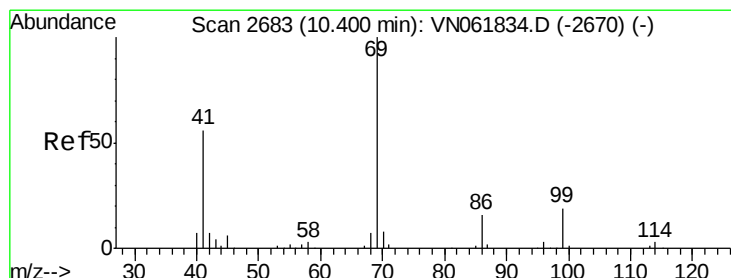
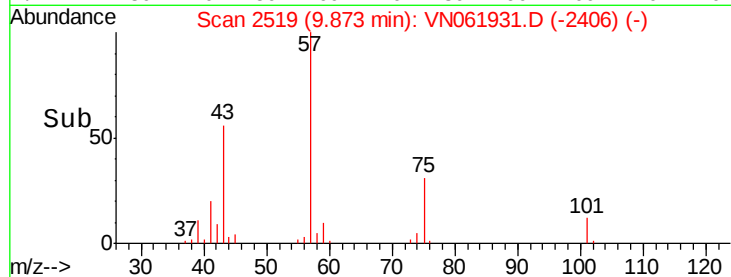
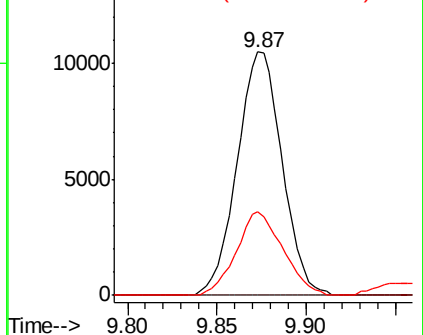
cis-1,3-Dichloropropene
 Concen: 6.150 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#08

Tot Ion: 75 Resp: 18460
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 34.4 35.4 53.0#



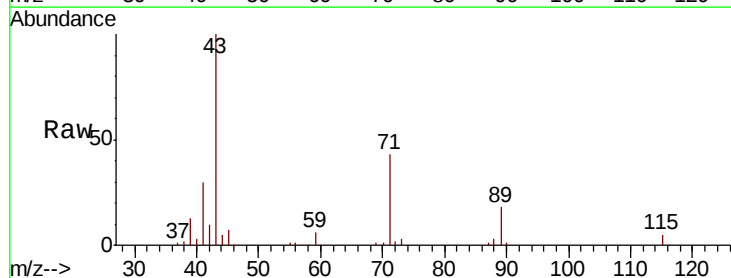
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



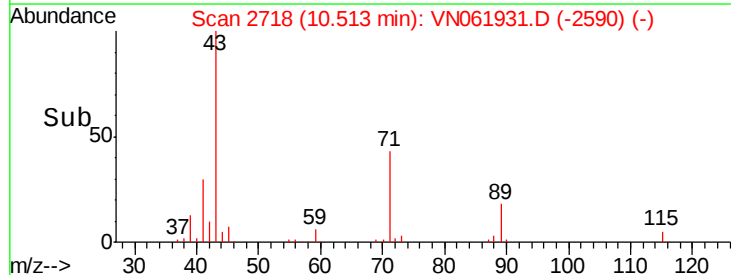
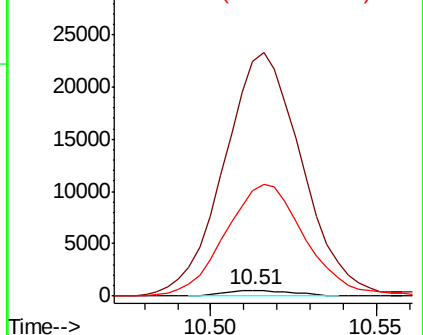
#56

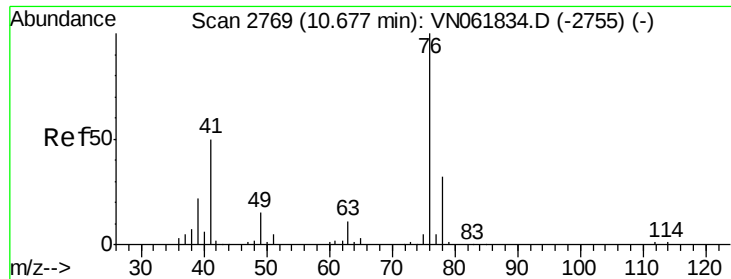
Ethyl methacrylate
 Concen: 3.165 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

Tgt Ion: 69 Resp: 774
 Ion Ratio Lower Upper
 69 100
 41 4976.7 44.9 67.3#
 39 2329.3 30.0 45.0#



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.104 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.06 min

Lab File: VN061931.D

Acq: 19 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

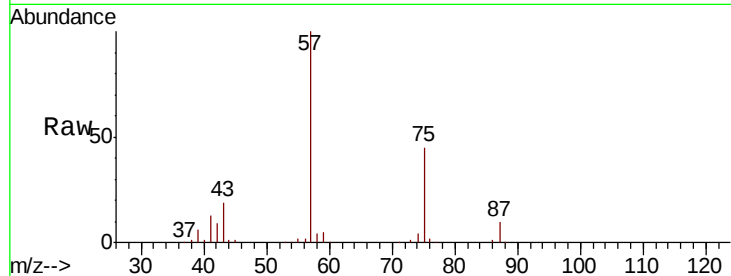
PB129596ZHE#08

Tot Ion: 76 Resp: 3395

Ion Ratio Lower Upper

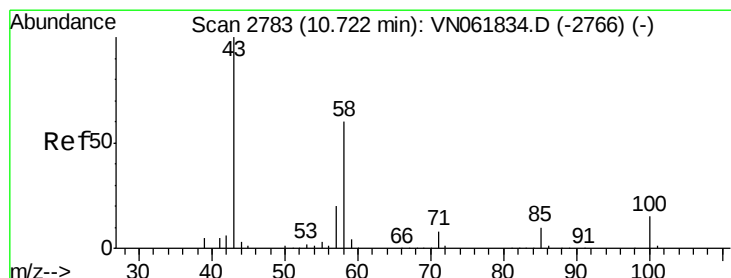
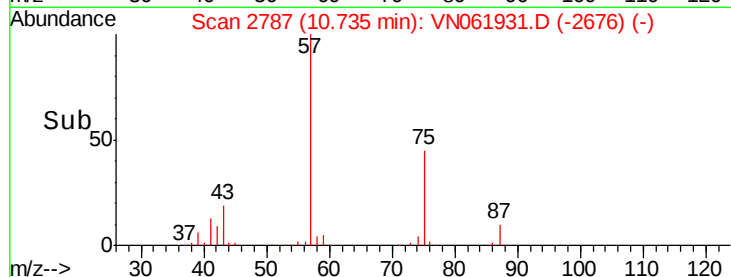
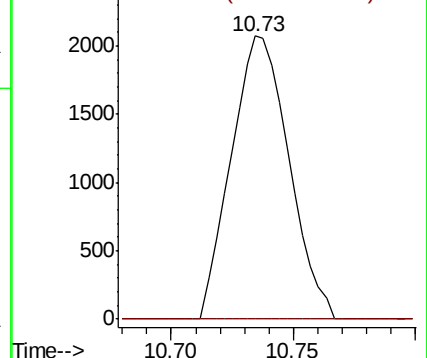
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 38.664 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN061931.D

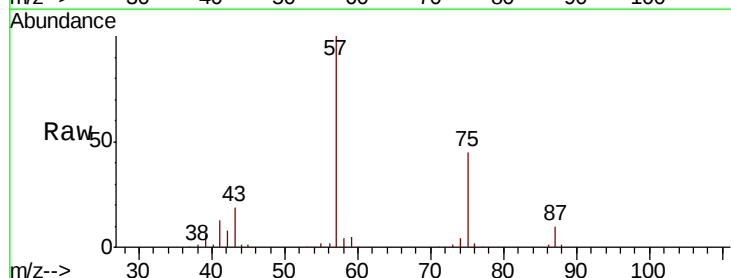
Acq: 19 Jun 2020 4:54

Tgt Ion: 43 Resp: 40215

Ion Ratio Lower Upper

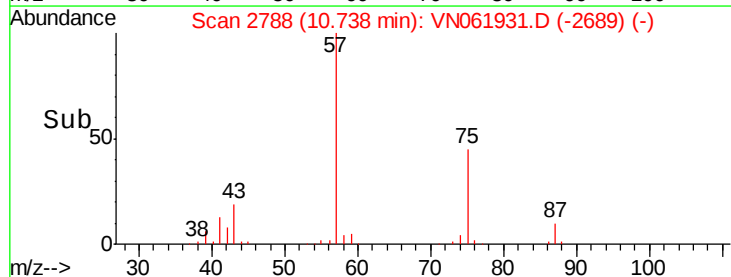
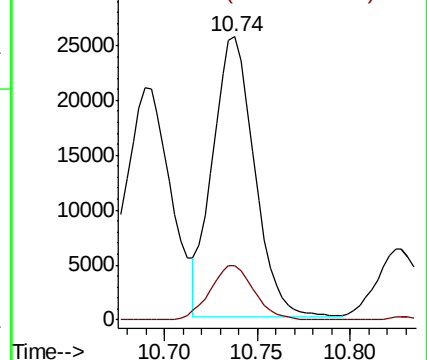
43 100

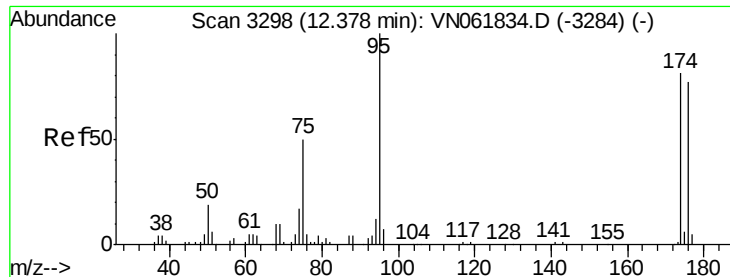
58 20.1 30.1 90.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 49.408 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061931.D

Acq: 19 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#08

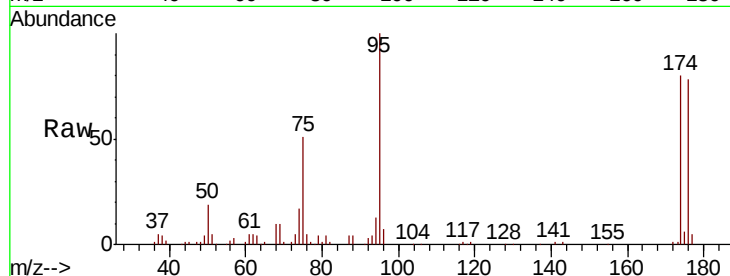
Tot Ion: 95 Resp: 113341

Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.6

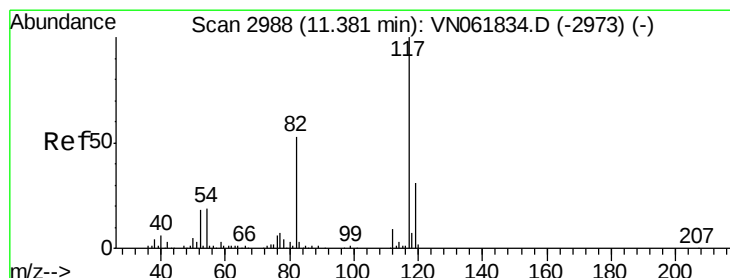
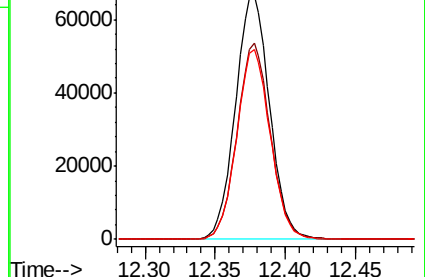
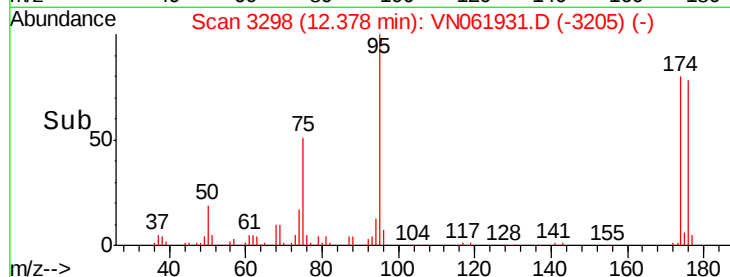
176 76.2 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061931.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN061931.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN061931.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061931.D

Acq: 19 Jun 2020 4:54

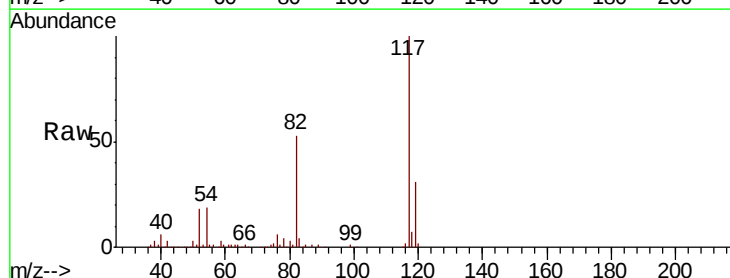
Tgt Ion: 117 Resp: 268307

Ion Ratio Lower Upper

117 100

82 53.4 42.6 64.0

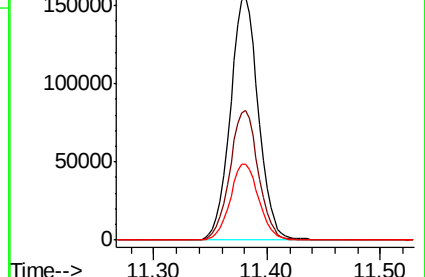
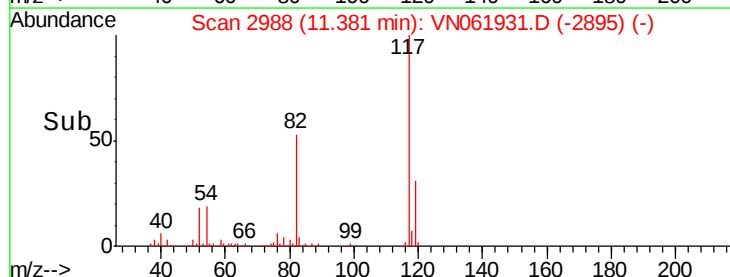
119 31.4 24.7 37.1

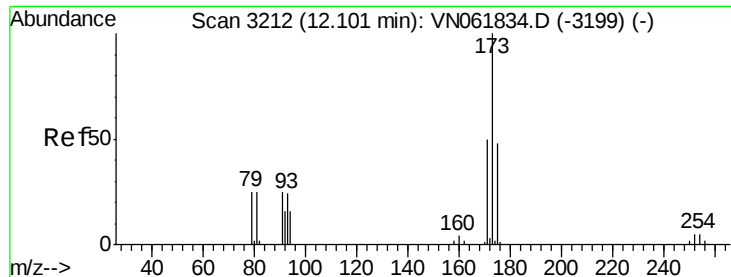


Abundance Ion 116.90 (116.60 to 117.60): VN061931.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061931.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061931.D (-2895) (-)





#71

Bromoform

Concen: 0.494 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061931.D

Acq: 19 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#08

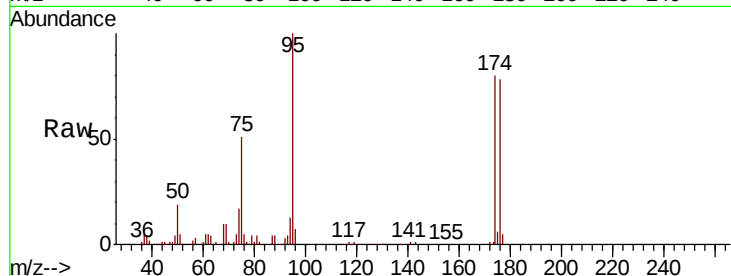
Tot Ion:173 Resp: 711

Ion Ratio Lower Upper

173 100

175 806.0 23.9 71.7#

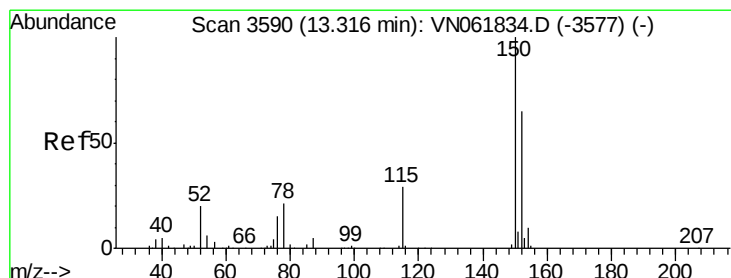
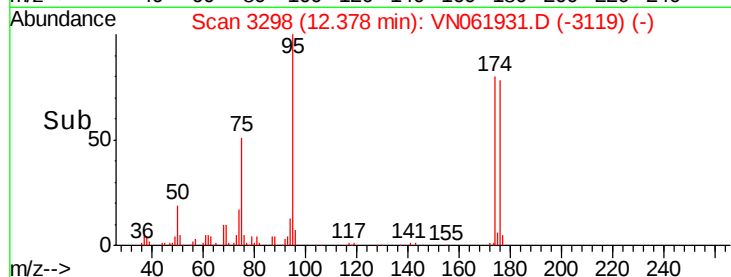
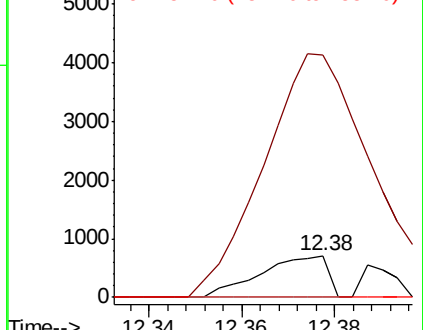
254 0.0 0.0 0.0



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: VN061931.D

Acq: 19 Jun 2020 4:54

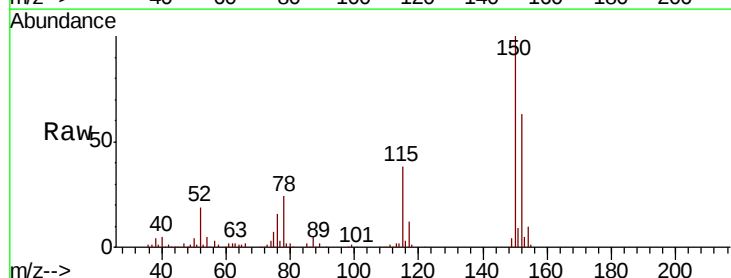
Tgt Ion:152 Resp: 102143

Ion Ratio Lower Upper

152 100

115 59.7 29.1 87.3

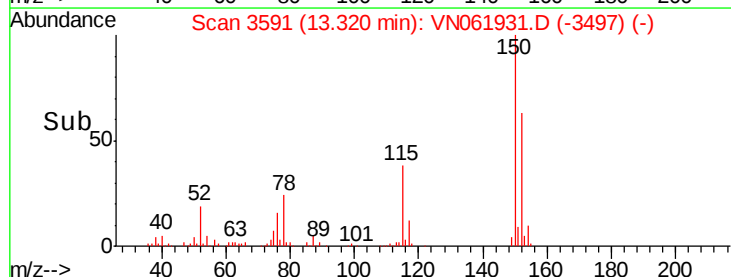
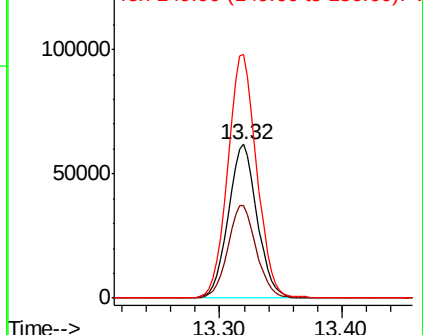
150 158.7 0.0 347.6

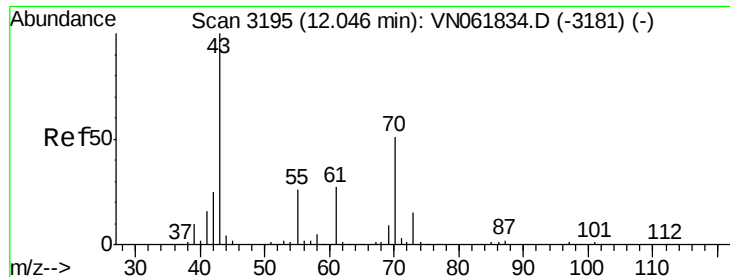


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.442 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VN061931.D

Acq: 19 Jun 2020 4:54

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#08

Tot Ion: 43 Resp: 1058

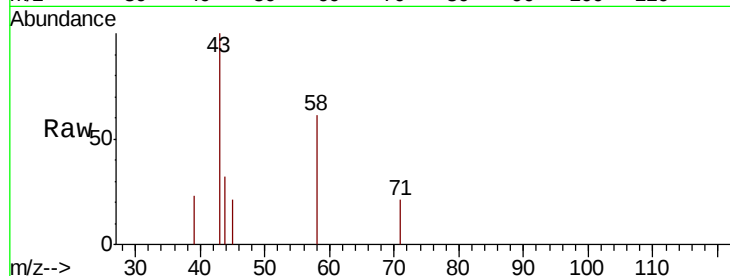
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

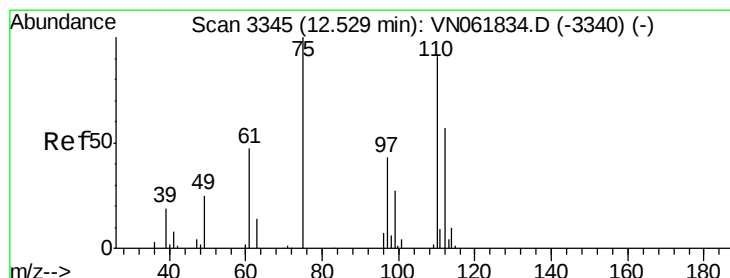
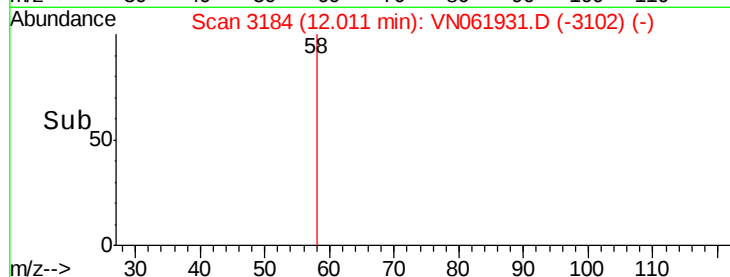
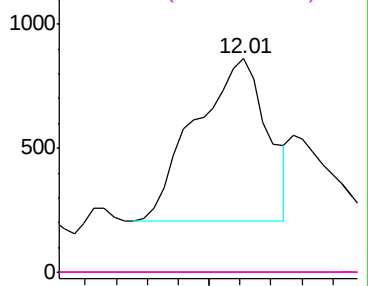


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 28.473 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061931.D

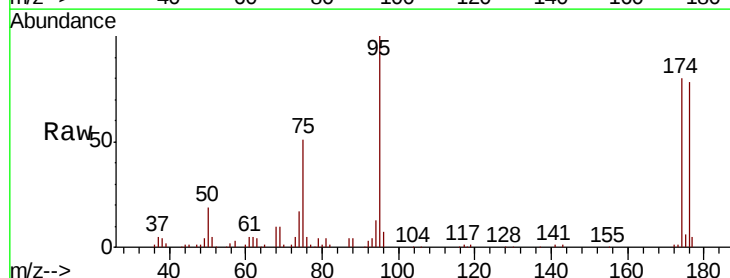
Acq: 19 Jun 2020 4:54

Tgt Ion: 75 Resp: 57097

Ion Ratio Lower Upper

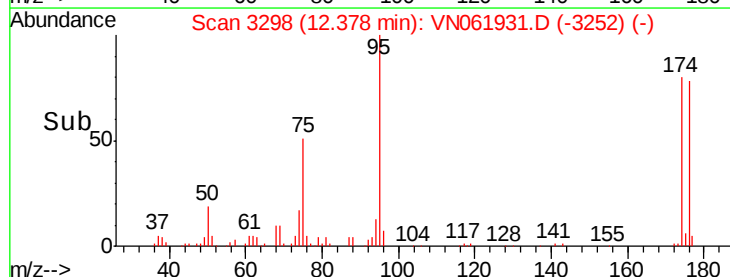
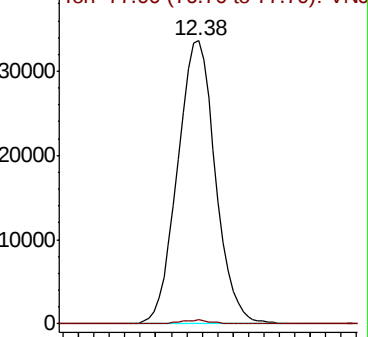
75 100

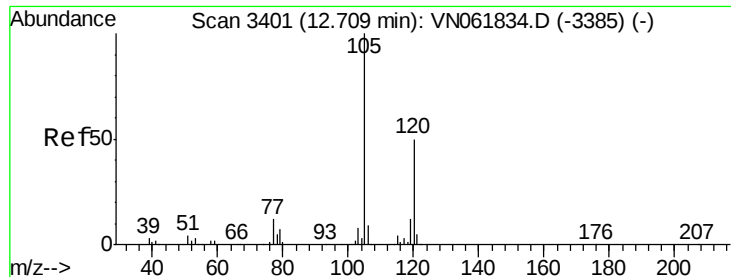
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

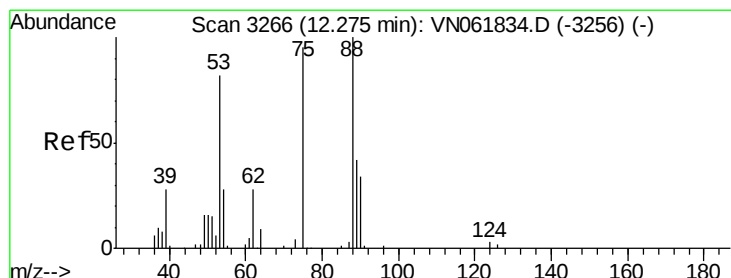
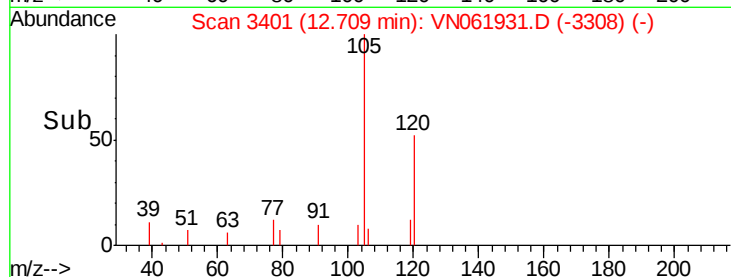
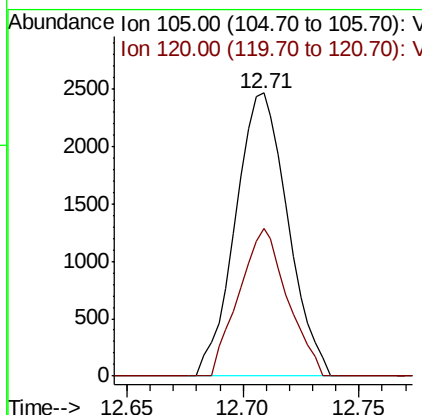
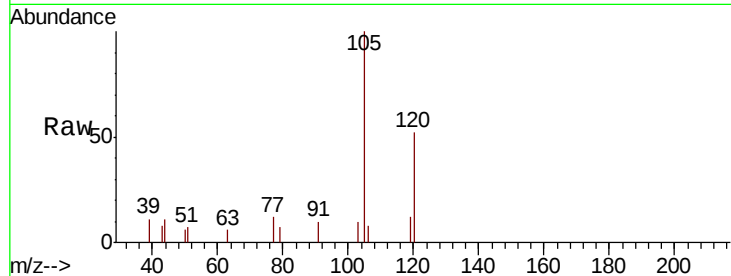




#80
 1,3,5-Trimethylbenzene
 Concen: 0.645 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#08

Tot Ion:105 Resp: 3875
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.657 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061931.D
 Acq: 19 Jun 2020 4:54

Tgt Ion: 75 Resp: 57097
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

