

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061930.D
 Acq On : 19 Jun 2020 4:29
 Operator : JC/MD
 Sample : PB129596ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#07

Quant Time: Jun 19 05:35:11 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

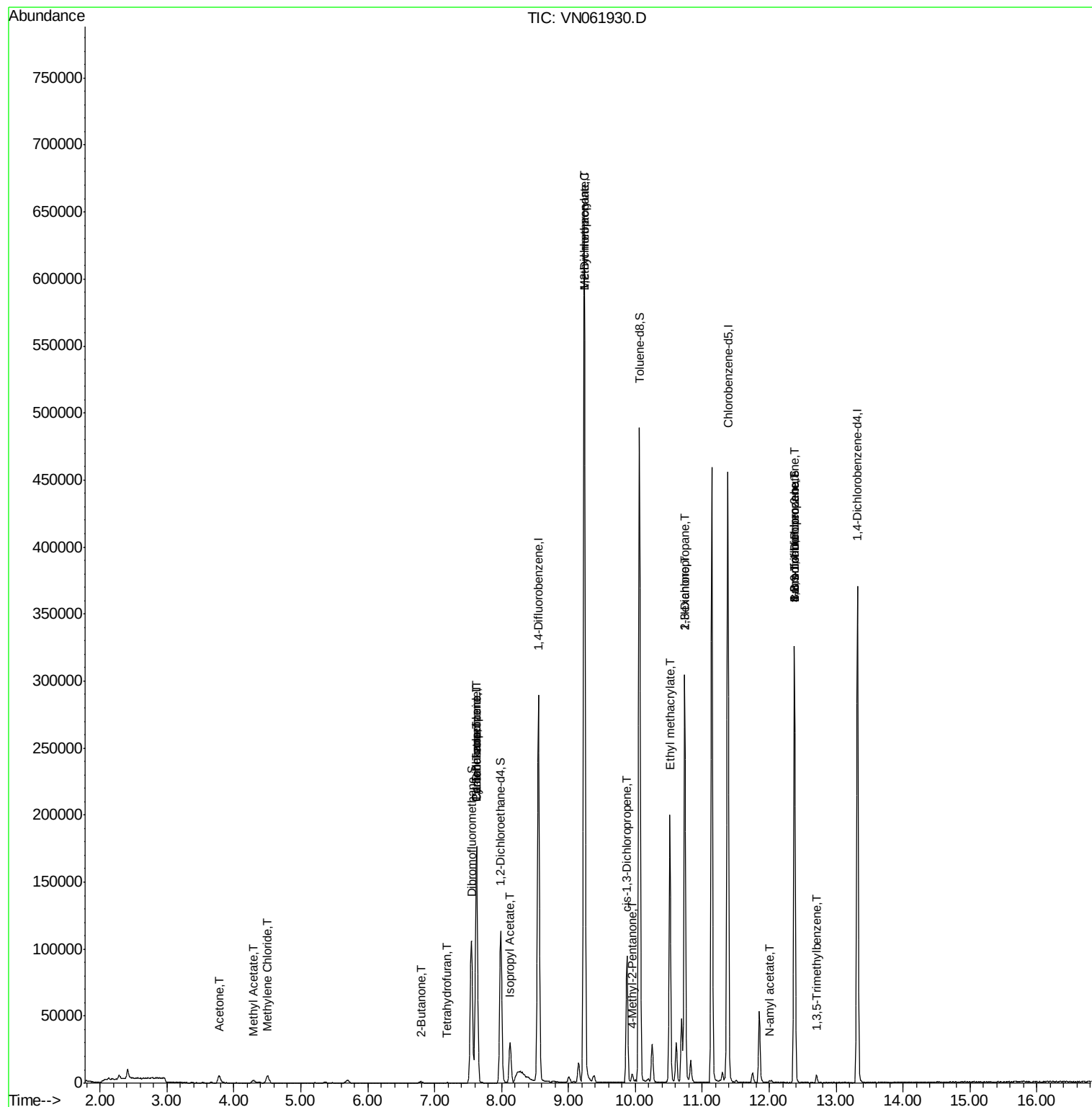
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	141228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	267386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	267299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101793	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	96097	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
35) Dibromofluoromethane	7.55	113	84531	49.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.84%	
50) Toluene-d8	10.06	98	341413	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.38	95	113529	49.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.44%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	9796	17.509	ug/l	93
18) Methyl Acetate	4.29	43	3464	2.151	ug/l	94
20) Methylene Chloride	4.49	84	2102	1.153	ug/l	88
25) 2-Butanone	6.79	43	1953	2.393	ug/l	93
29) Tetrahydrofuran	7.18	42	521	0.970	ug/l #	26
31) Cyclohexane	7.62	56	2842	1.139	ug/l #	15
36) 1,1-Dichloropropene	7.62	75	10891	4.466	ug/l #	47
38) Carbon Tetrachloride	7.63	117	14133	5.852	ug/l #	16
43) Isopropyl Acetate	8.13	43	33381	10.401	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	893	0.492	ug/l #	43
48) Methyl methacrylate	9.24	41	61170	41.909	ug/l #	33
51) 4-Methyl-2-Pentanone	9.95	43	4219	2.224	ug/l	93
54) cis-1,3-Dichloropropene	9.87	75	18271	6.053	ug/l #	68
56) Ethyl methacrylate	10.52	69	746	3.154	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3360	1.086	ug/l #	42
59) 2-Hexanone	10.74	43	38572	37.498	ug/l #	51
71) Bromoform	12.37	173	794	0.554	ug/l #	1
74) N-amyl acetate	12.00	43	1265	3.517	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	56256	28.150	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3531	0.590	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	56256	76.776	ug/l #	14

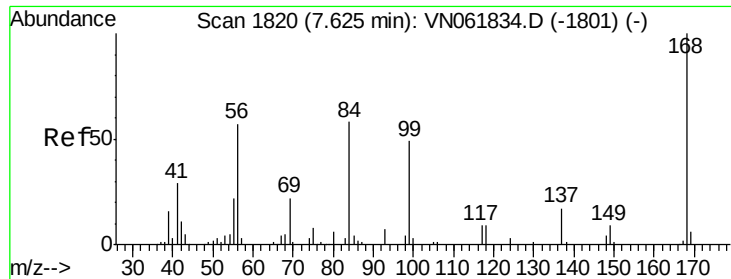
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

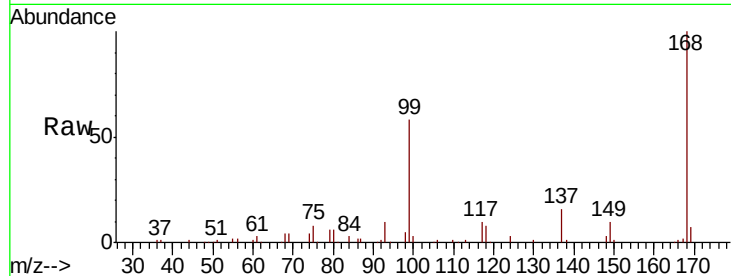
PB129596ZHE#07

Tot Ion:168 Resp: 141228

Ion Ratio Lower Upper

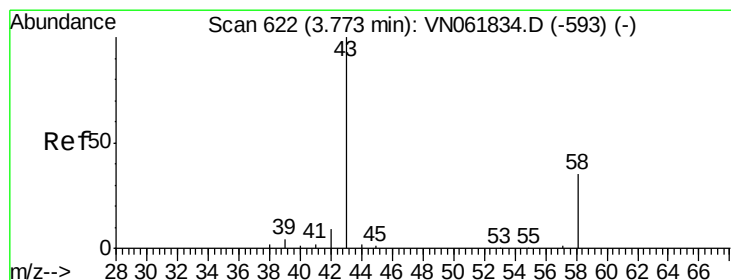
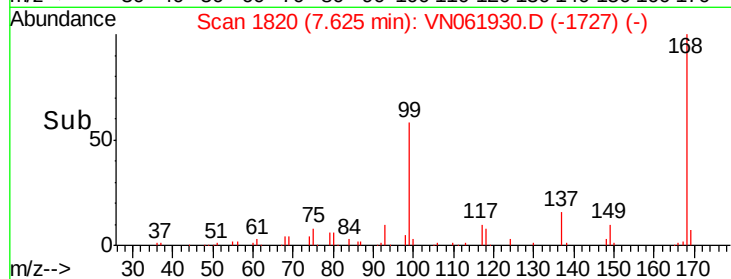
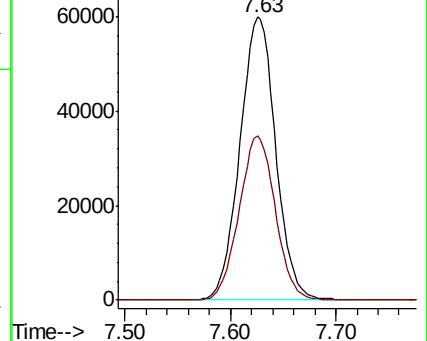
168 100

99 58.2 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 17.509 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061930.D

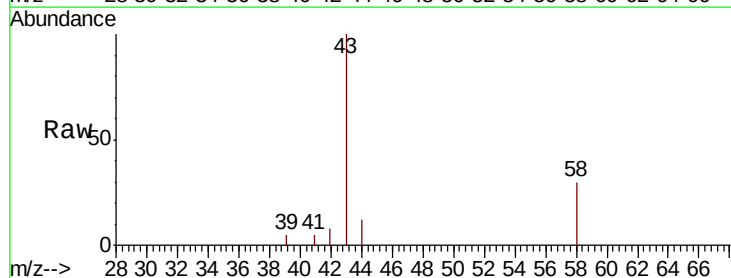
Acq: 19 Jun 2020 4:29

Tgt Ion: 43 Resp: 9796

Ion Ratio Lower Upper

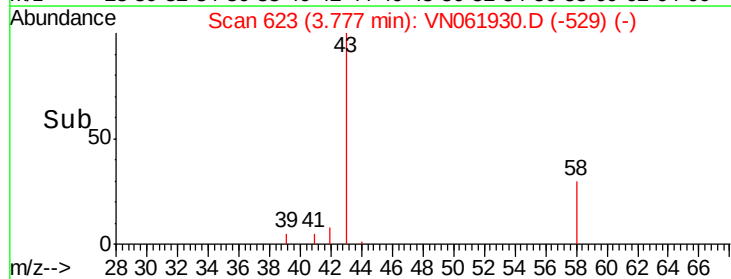
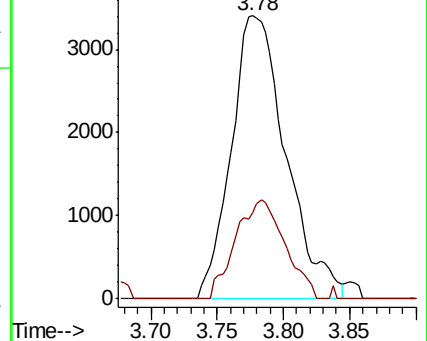
43 100

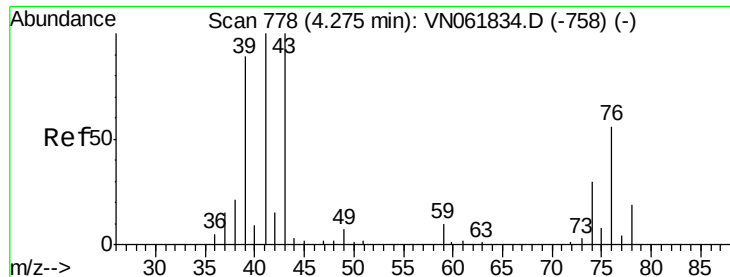
58 30.5 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

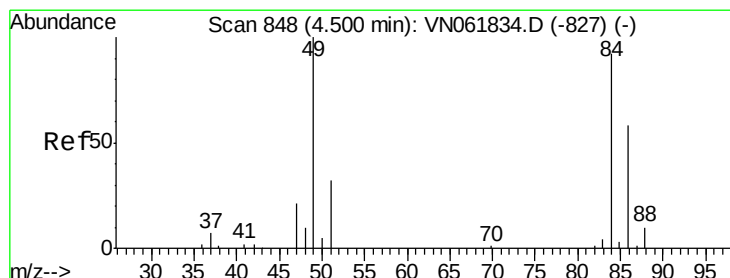
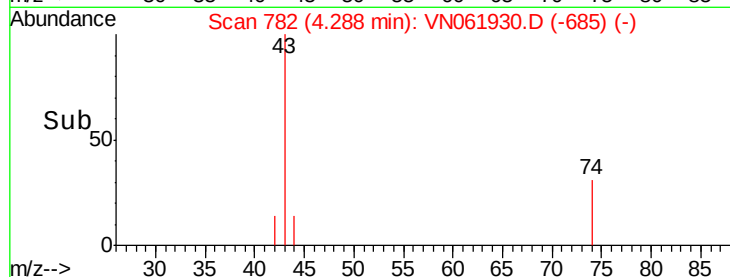
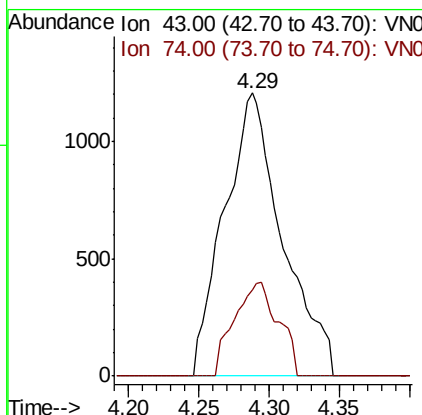
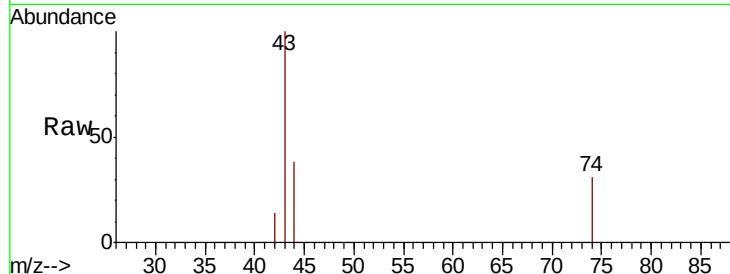




#18
Methyl Acetate
Concen: 2.151 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

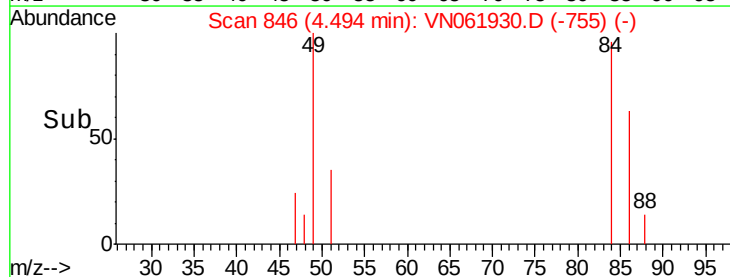
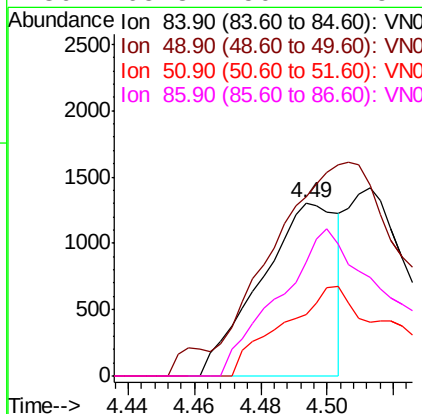
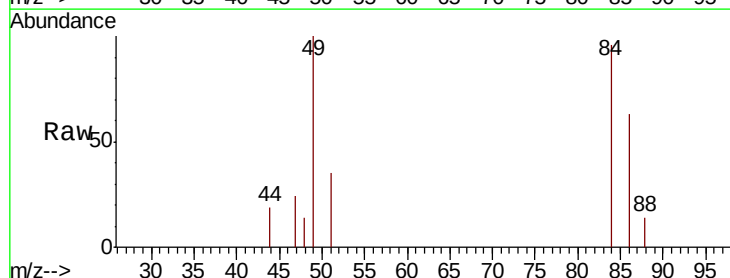
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#07

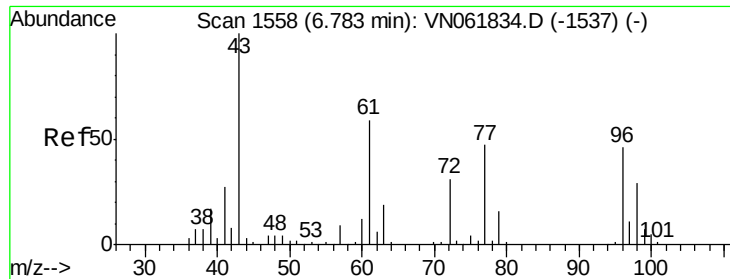
Tot Ion: 43 Resp: 3464
Ion Ratio Lower Upper
43 100
74 25.3 23.0 34.4



#20
Methylene Chloride
Concen: 1.153 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

Tgt Ion: 84 Resp: 2102
Ion Ratio Lower Upper
84 100
49 87.3 87.0 130.4
51 35.9 27.8 41.6
86 65.8 50.2 75.2

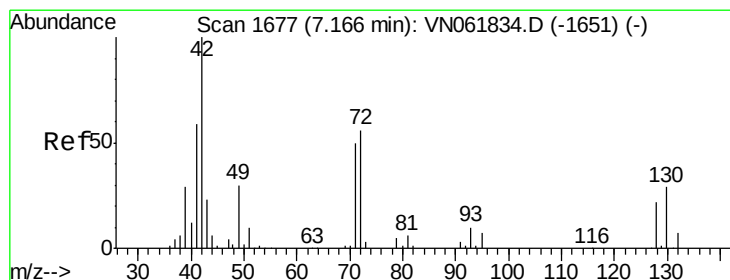
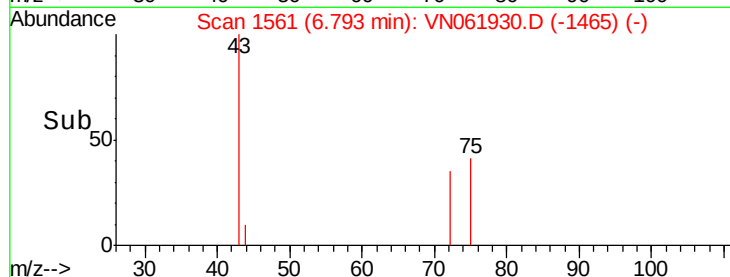
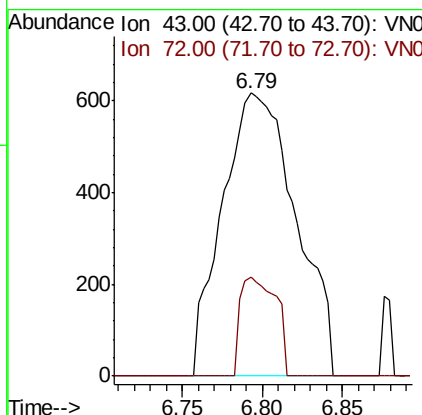
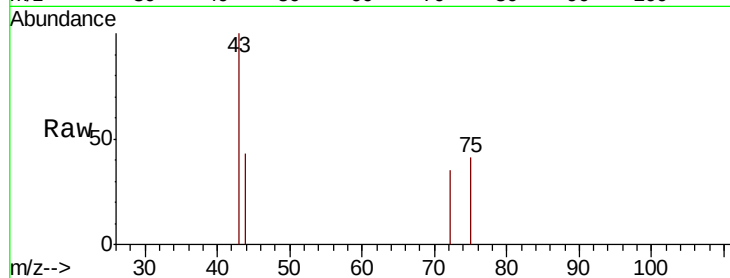




#25
 2-Butanone
 Concen: 2.393 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VN061930.D
 Acq: 19 Jun 2020 4:29

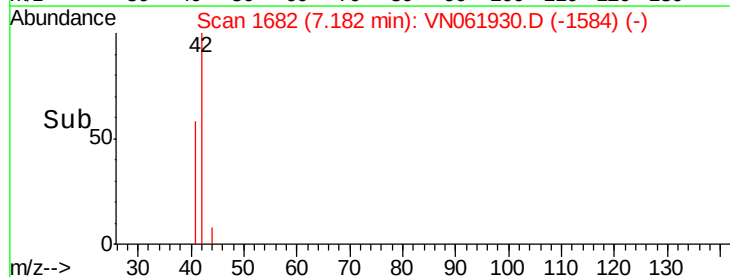
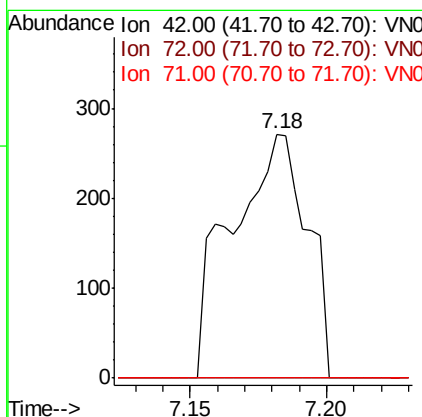
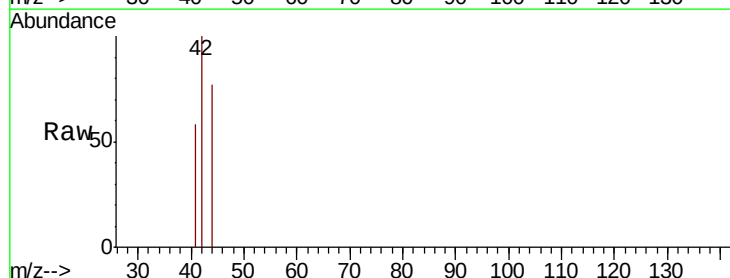
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#07

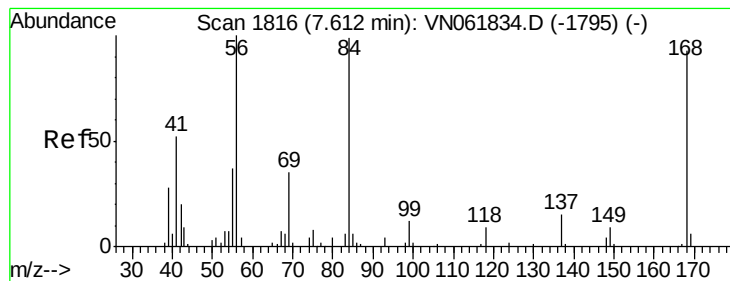
Tot Ion: 43 Resp: 1953
 Ion Ratio Lower Upper
 43 100
 72 34.8 24.6 37.0



#29
 Tetrahydrofuran
 Concen: 0.970 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.02 min
 Lab File: VN061930.D
 Acq: 19 Jun 2020 4:29

Tgt Ion: 42 Resp: 521
 Ion Ratio Lower Upper
 42 100
 72 0.0 44.0 66.0#
 71 0.0 40.0 60.0#





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#07

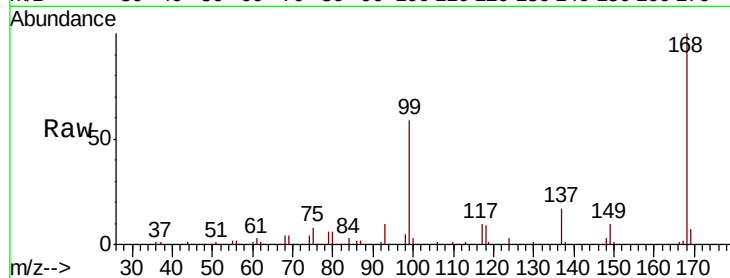
Tot Ion: 56 Resp: 2842

Ion Ratio Lower Upper

56 100

69 152.6 27.7 41.5#

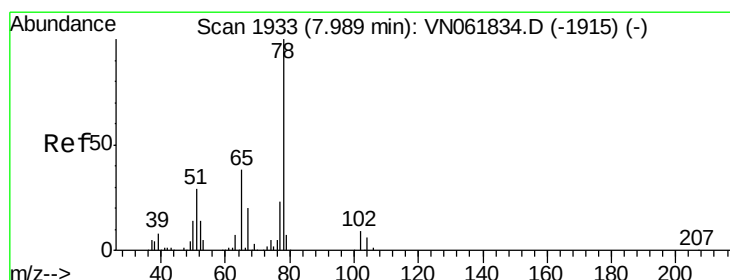
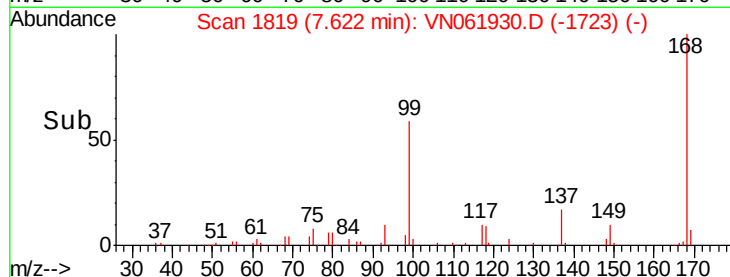
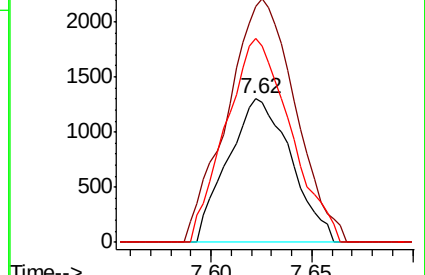
84 141.9 79.1 118.7#



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

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

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



#33

1,2-Dichloroethane-d4

Concen: 50.736 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061930.D

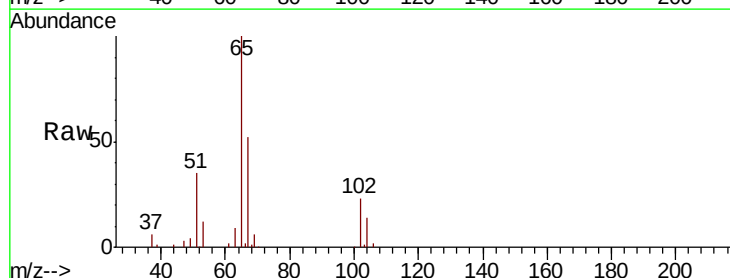
Acq: 19 Jun 2020 4:29

Tgt Ion: 65 Resp: 96097

Ion Ratio Lower Upper

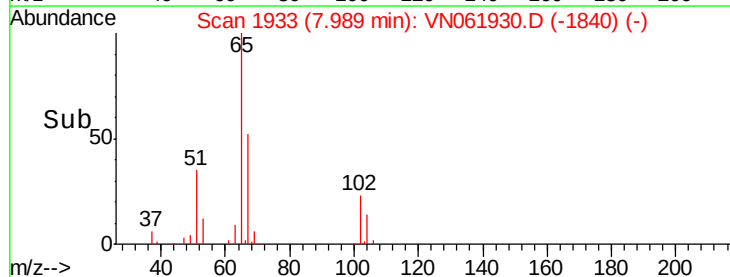
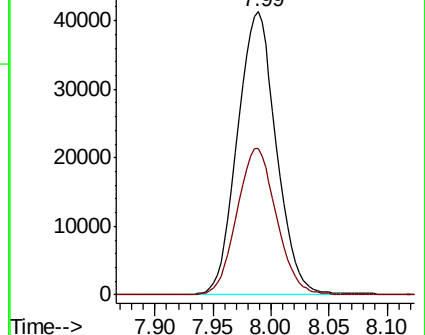
65 100

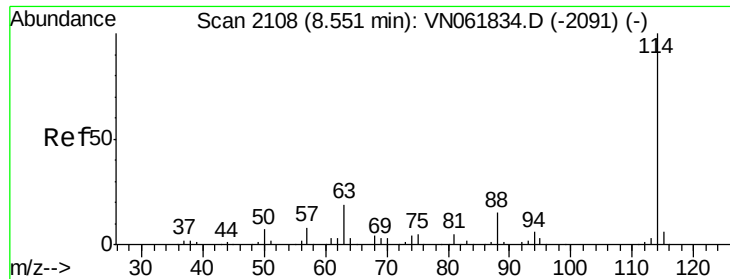
67 52.7 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)

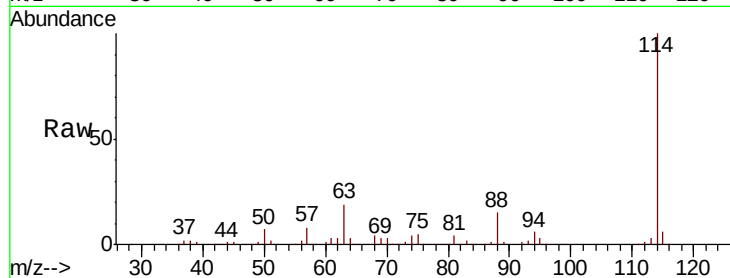




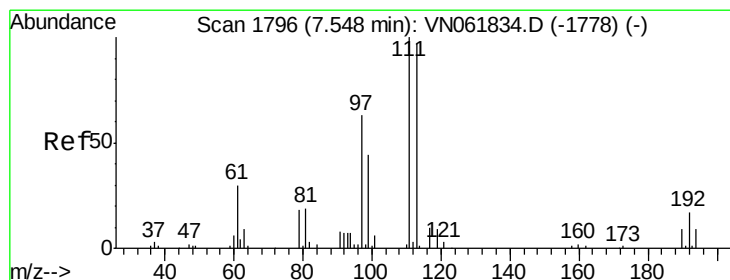
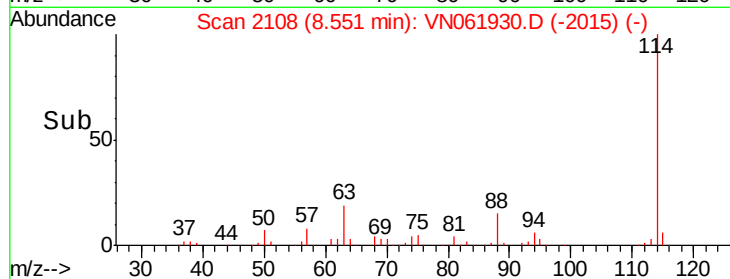
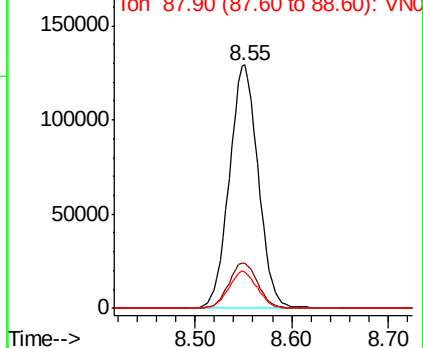
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#07

Tot Ion:114 Resp: 267386
Ion Ratio Lower Upper
114 100
63 18.6 0.0 37.6
88 14.9 0.0 31.0

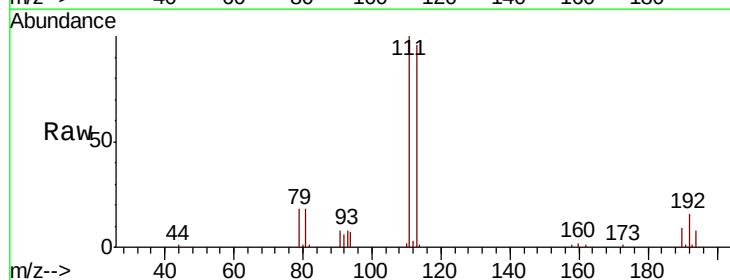


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

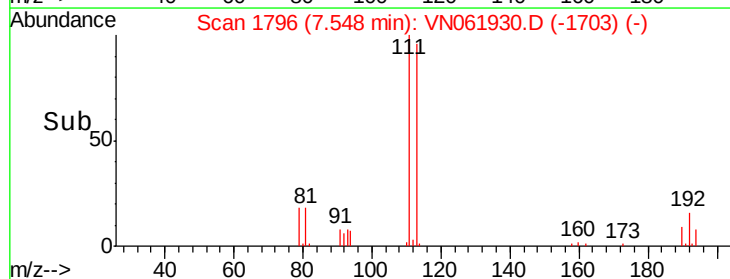
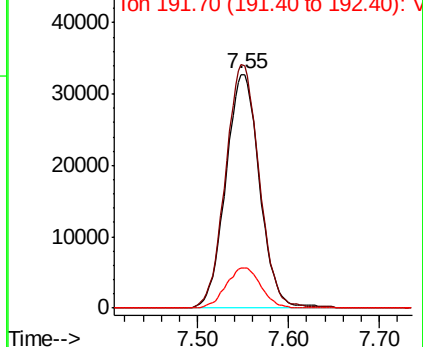


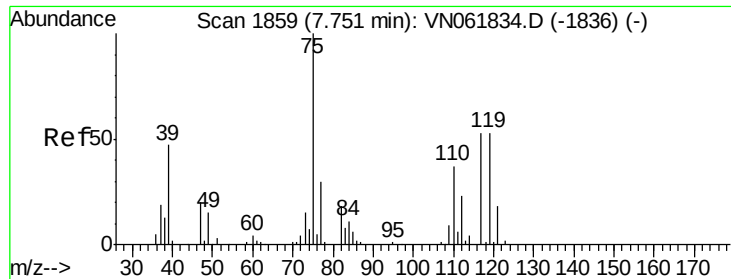
#35
Dibromofluoromethane
Concen: 49.416 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

Tgt Ion:113 Resp: 84531
Ion Ratio Lower Upper
113 100
111 103.7 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

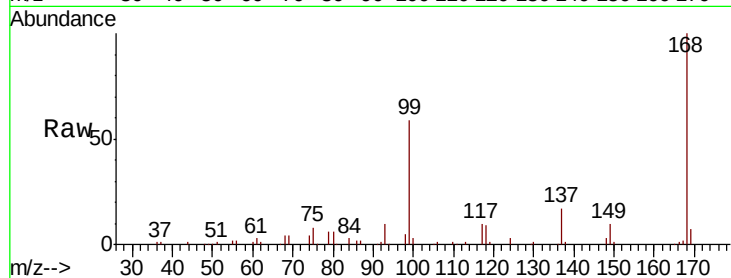




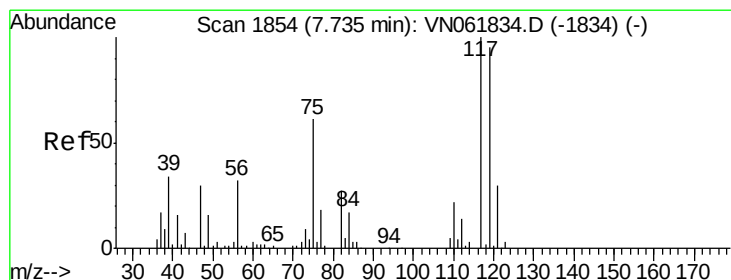
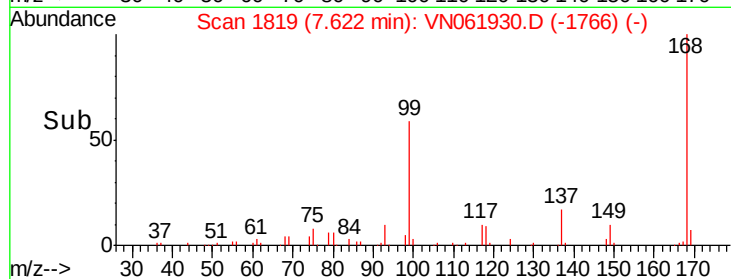
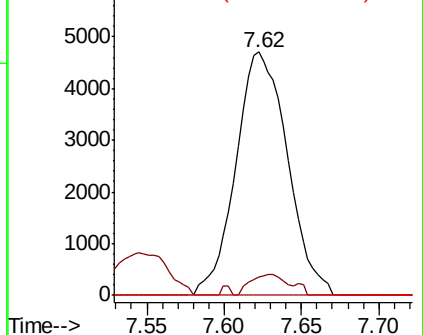
#36
 1,1-Dichloropropene
 Concen: 4.466 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061930.D
 Acq: 19 Jun 2020 4:29

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#07

Tot Ion	Ratio	Lower	Upper
75	100		
110	6.6	18.2	54.6#
77	0.0	24.2	36.4#

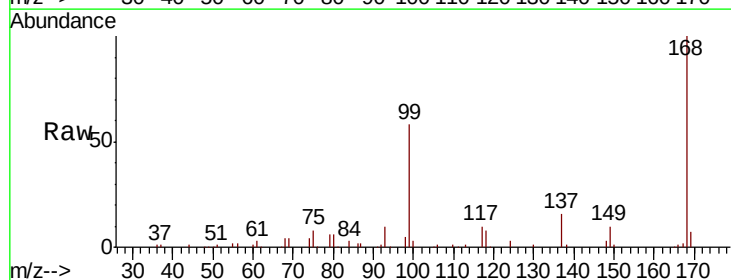


Abundance Ion 74.90 (74.60 to 75.60): VN061930.D (-1766) (-)
 Ion 109.90 (109.60 to 110.60): VN061930.D (-1766) (-)
 Ion 76.90 (76.60 to 77.60): VN061930.D (-1766) (-)

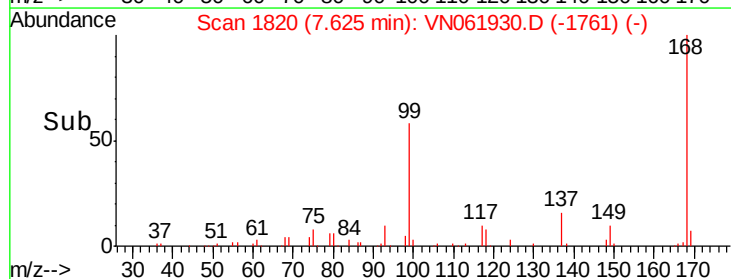
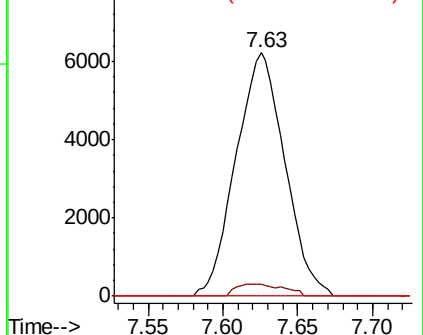


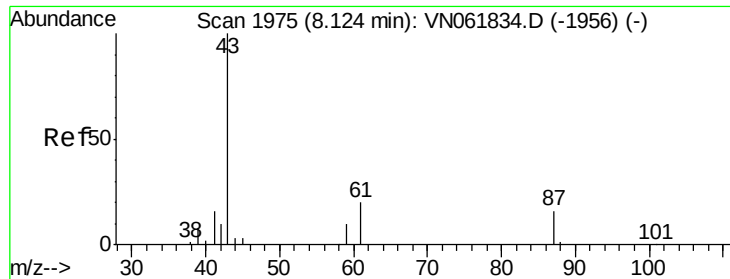
#38
 Carbon Tetrachloride
 Concen: 5.852 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061930.D
 Acq: 19 Jun 2020 4:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	75.8	113.6#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN061930.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN061930.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN061930.D (-1761) (-)





#43

Isopropyl Acetate

Concen: 10.401 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#07

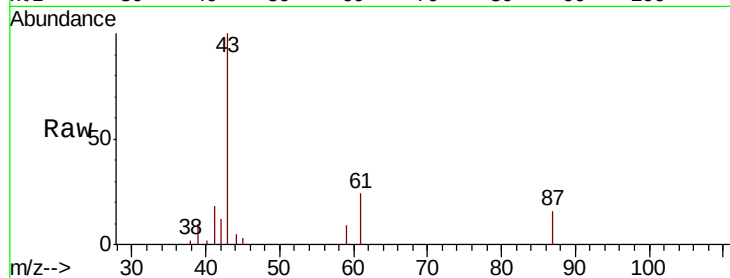
Tot Ion: 43 Resp: 33381

Ion Ratio Lower Upper

43 100

61 23.0 24.0 36.0#

87 15.7 12.5 18.7

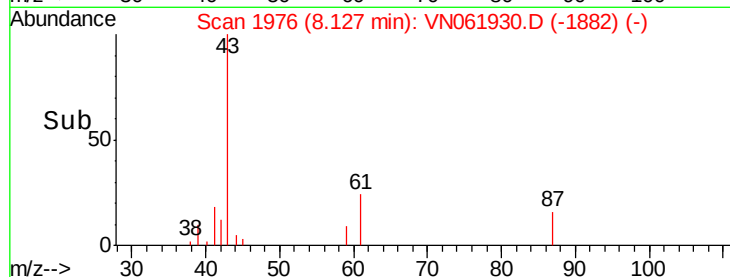


Abundance Ion 43.00 (42.70 to 43.70): VN061930.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061930.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061930.D (-1956) (-)

Time-->



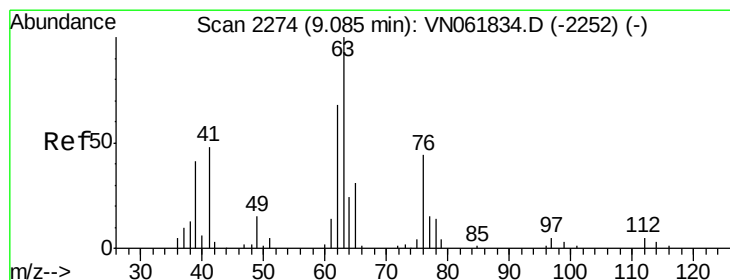
Abundance

Ion 43.00 (42.70 to 43.70): VN061930.D (-1882) (-)

Ion 61.00 (60.70 to 61.70): VN061930.D (-1882) (-)

Ion 87.00 (86.70 to 87.70): VN061930.D (-1882) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 0.492 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN061930.D

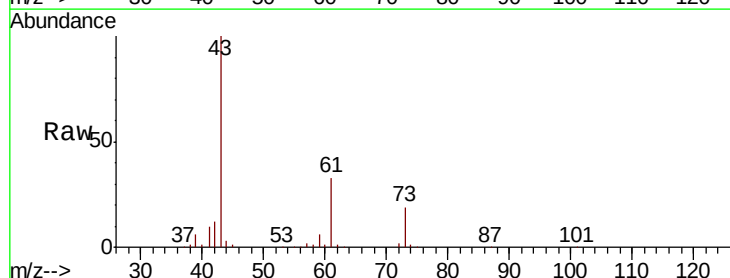
Acq: 19 Jun 2020 4:29

Tgt Ion: 63 Resp: 893

Ion Ratio Lower Upper

63 100

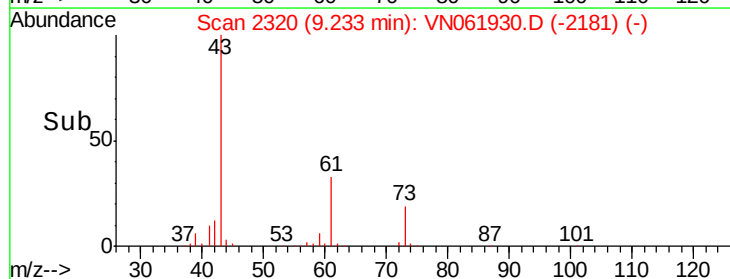
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VN061930.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN061930.D (-2181) (-)

Time-->

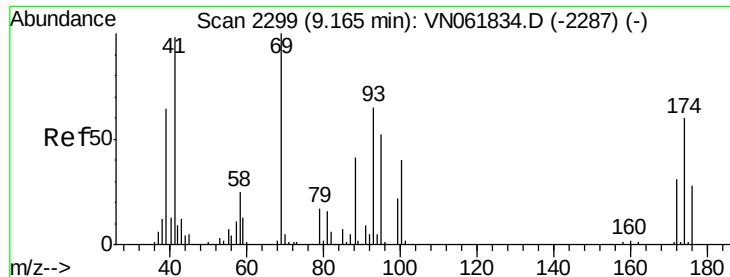


Abundance

Ion 62.90 (62.60 to 63.60): VN061930.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN061930.D (-2181) (-)

Time-->



#48

Methvl methacrylate

Concen: 41.909 ug/l

RT: 9.24 min Scan# 2321

Delta R.T. 0.07 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#07

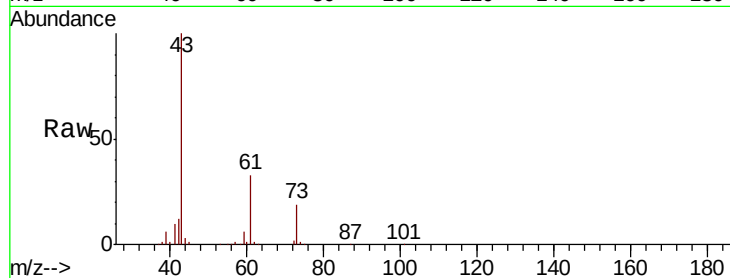
Tot Ion: 41 Resp: 61170

Ion Ratio Lower Upper

41 100

69 0.0 83.0 124.4#

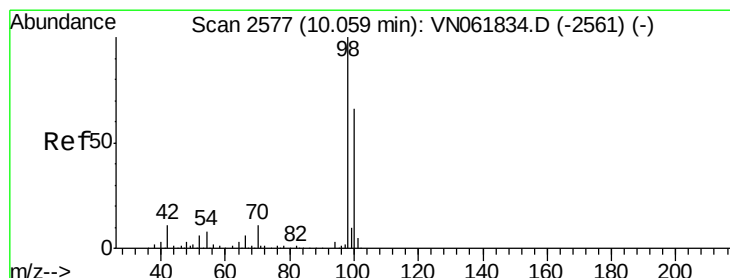
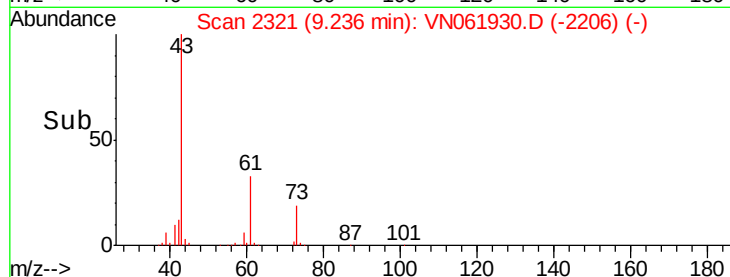
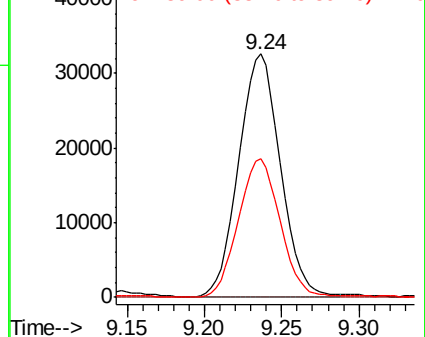
39 56.8 55.1 82.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

Toluene-d8

Concen: 50.767 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061930.D

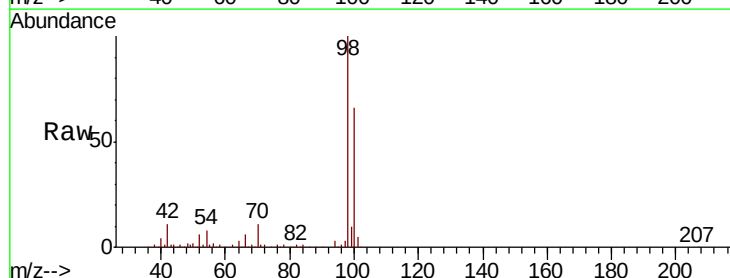
Acq: 19 Jun 2020 4:29

Tgt Ion: 98 Resp: 341413

Ion Ratio Lower Upper

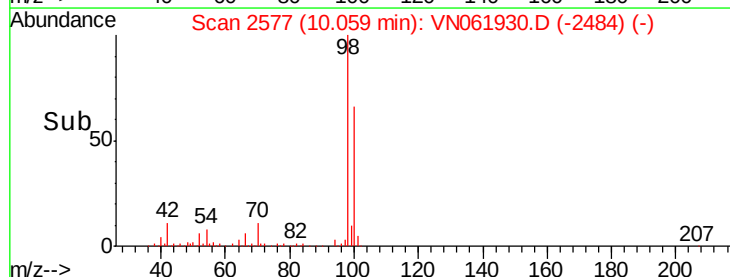
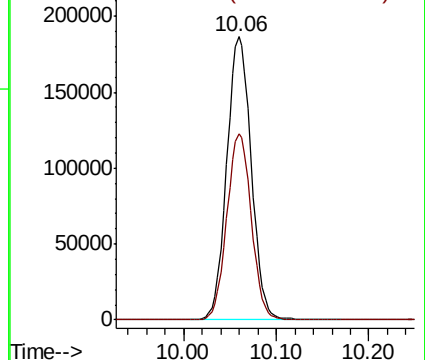
98 100

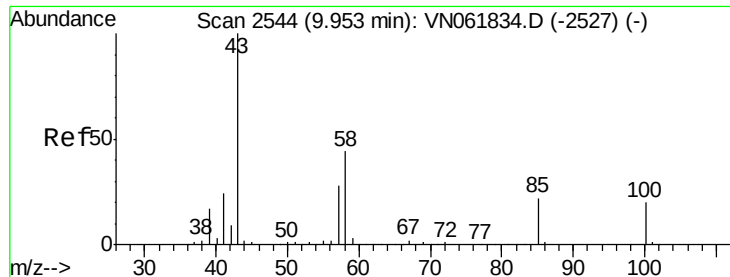
100 65.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

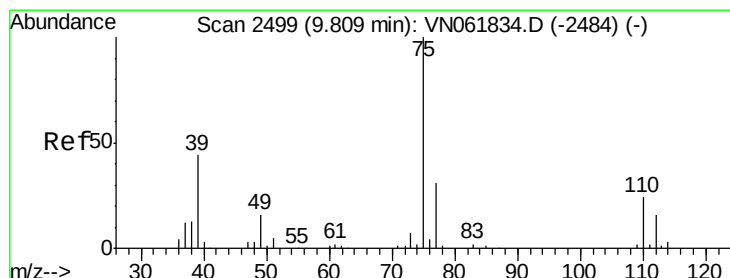
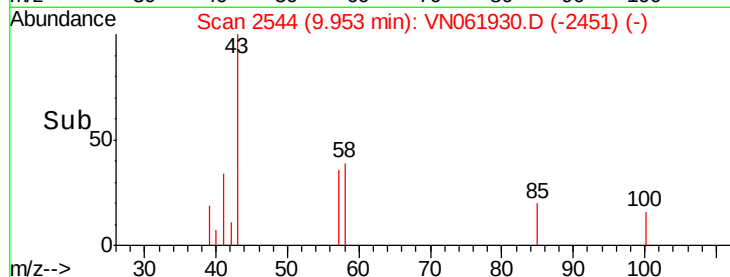
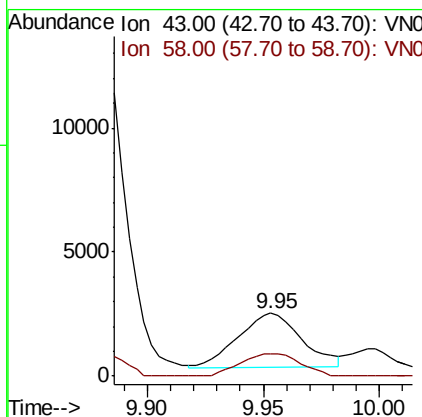
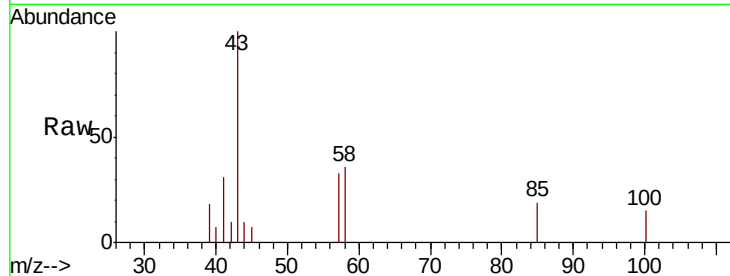




#51
4-Methyl-2-Pentanone
Concen: 2.224 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

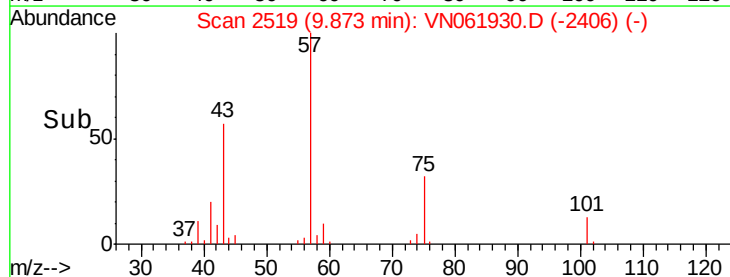
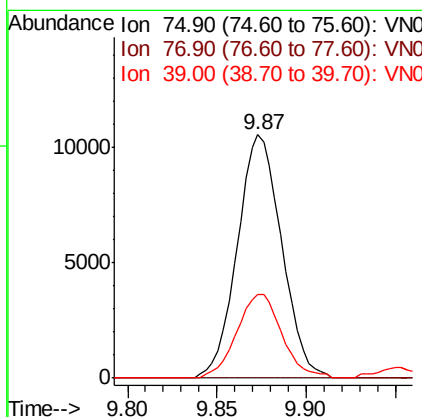
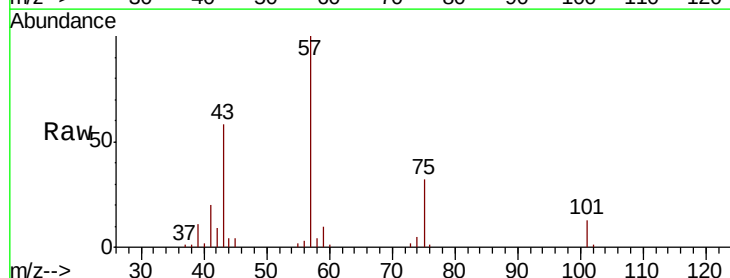
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#07

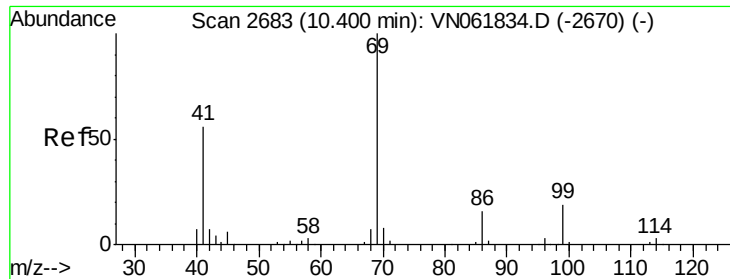
Tot Ion: 43 Resp: 4219
Ion Ratio Lower Upper
43 100
58 38.6 34.6 52.0



#54
cis-1,3-Dichloropropene
Concen: 6.053 ug/l
RT: 9.87 min Scan# 2519
Delta R.T. 0.06 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

Tgt Ion: 75 Resp: 18271
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 34.4 35.4 53.0#





#56

Ethyl methacrylate

Concen: 3.154 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. 0.12 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#07

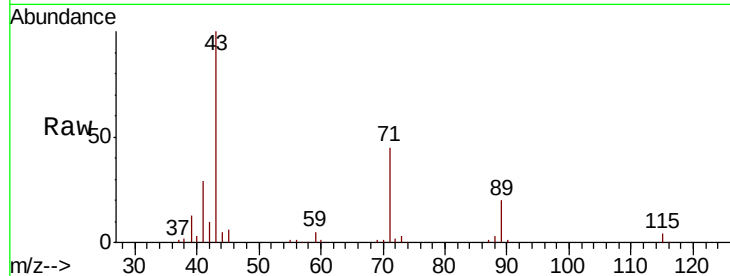
Tot Ion: 69 Resp: 746

Ion Ratio Lower Upper

69 100

41 5119.2 44.9 67.3#

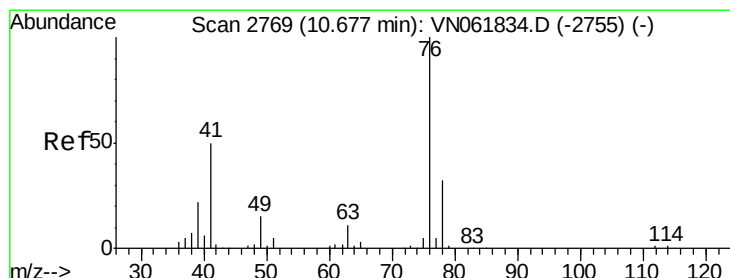
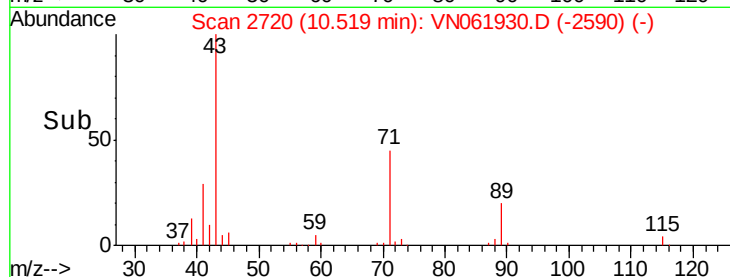
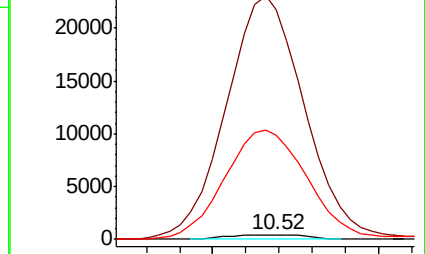
39 2434.6 30.0 45.0#



Abundance Ion 69.00 (68.70 to 69.70): VN061834.D (-2670) (-)

Ion 41.00 (40.70 to 41.70): VN061834.D (-2670) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-2670) (-)



#57

1,3-Dichloropropane

Concen: 1.086 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.06 min

Lab File: VN061930.D

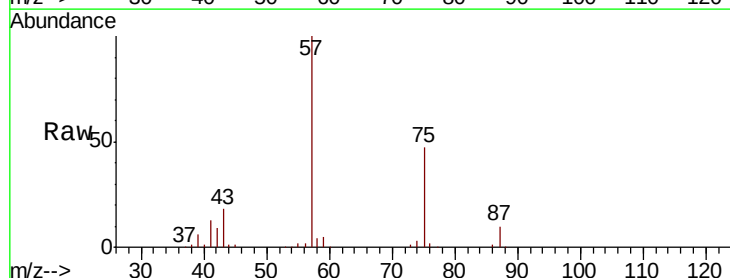
Acq: 19 Jun 2020 4:29

Tgt Ion: 76 Resp: 3360

Ion Ratio Lower Upper

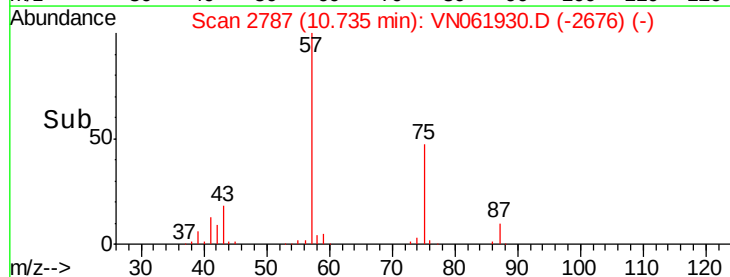
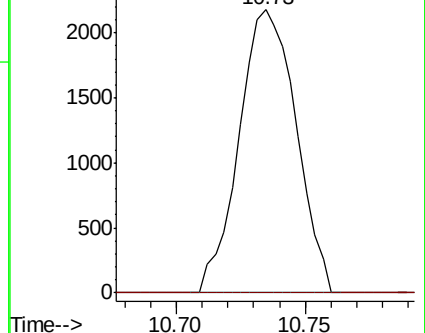
76 100

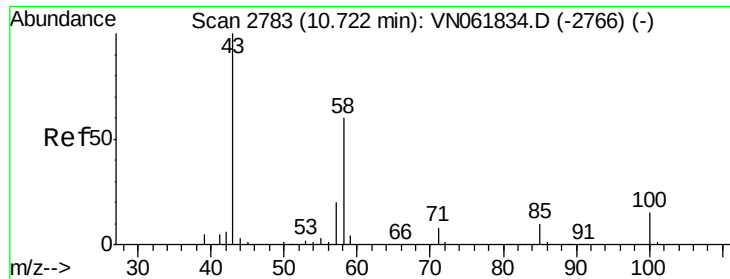
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-2755) (-)

Ion 77.90 (77.60 to 78.60): VN061834.D (-2755) (-)





#59

2-Hexanone

Concen: 37.498 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

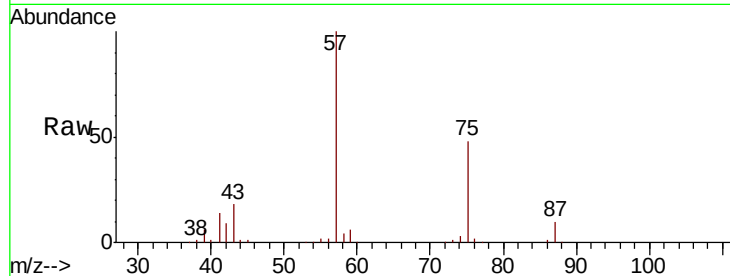
PB129596ZHE#07

Tot Ion: 43 Resp: 38572

Ion Ratio Lower Upper

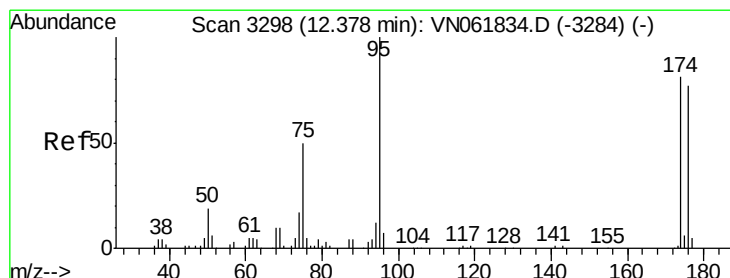
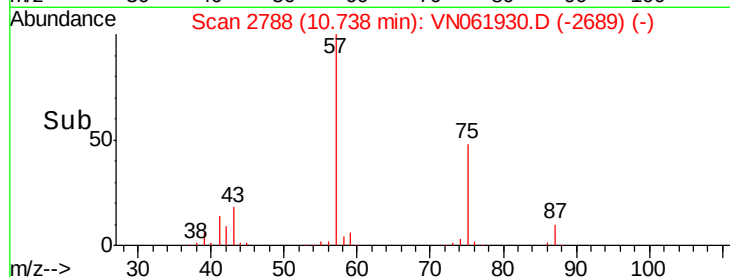
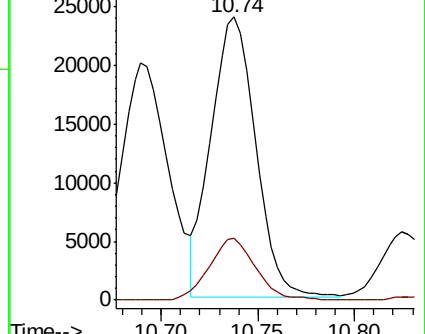
43 100

58 22.8 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: 49.215 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

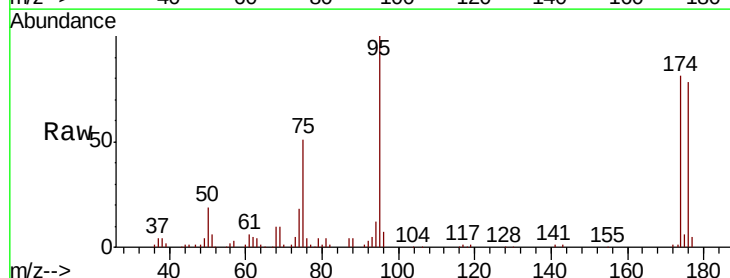
Tgt Ion: 95 Resp: 113529

Ion Ratio Lower Upper

95 100

174 79.7 0.0 158.6

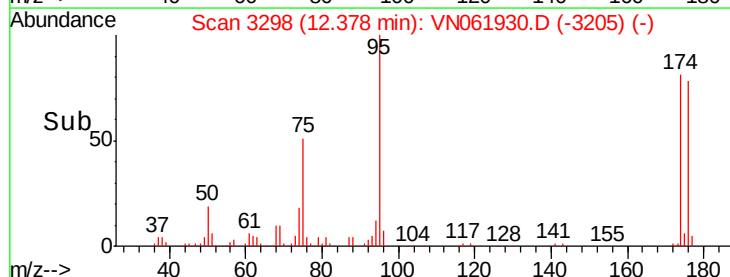
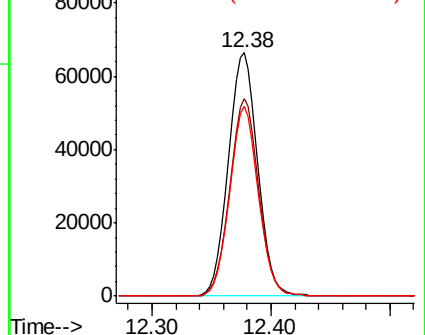
176 76.2 0.0 152.0

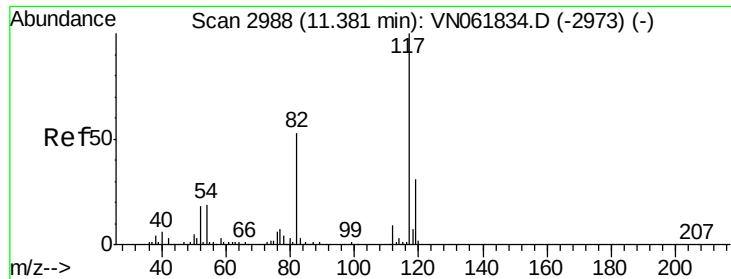


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

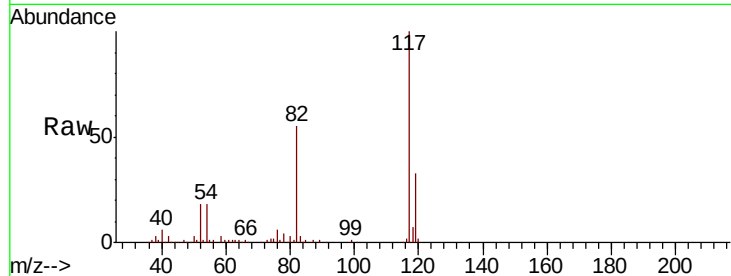




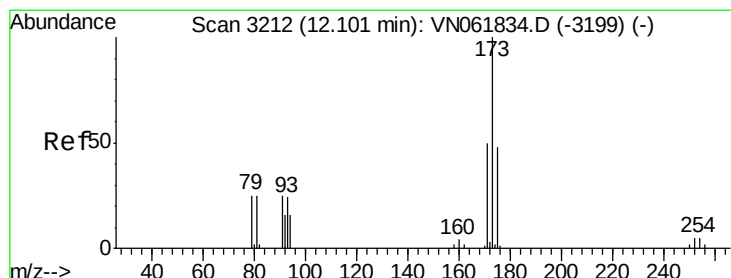
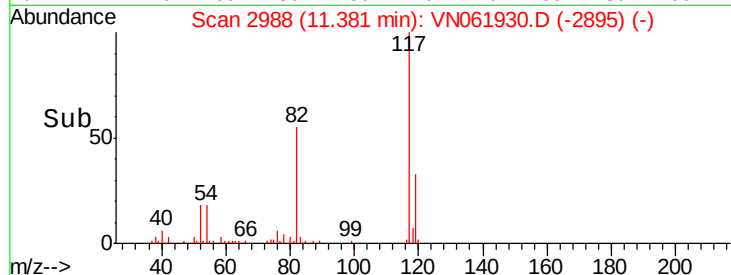
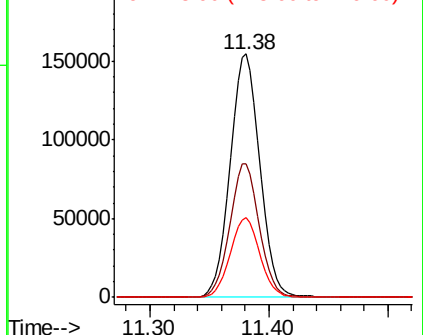
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#07

Tot Ion:117 Resp: 267299
Ion Ratio Lower Upper
117 100
82 55.0 42.6 64.0
119 32.6 24.7 37.1

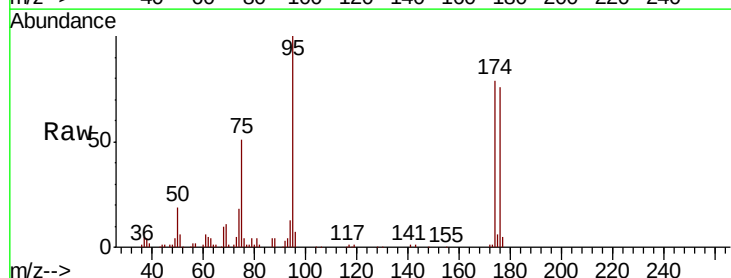


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

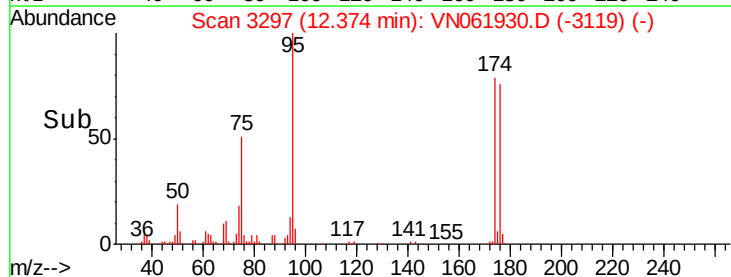
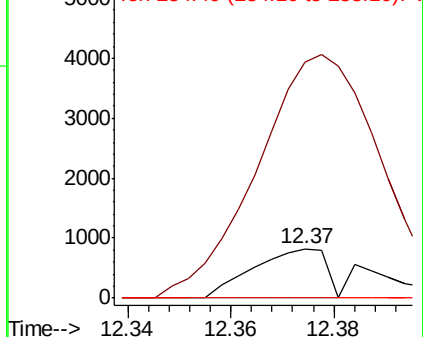


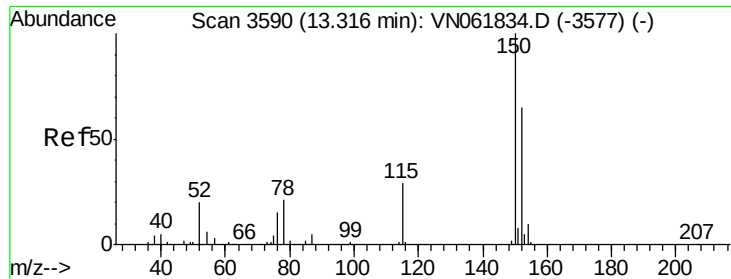
#71
Bromoform
Concen: 0.554 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061930.D
Acq: 19 Jun 2020 4:29

Tgt Ion:173 Resp: 794
Ion Ratio Lower Upper
173 100
175 728.2 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: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#07

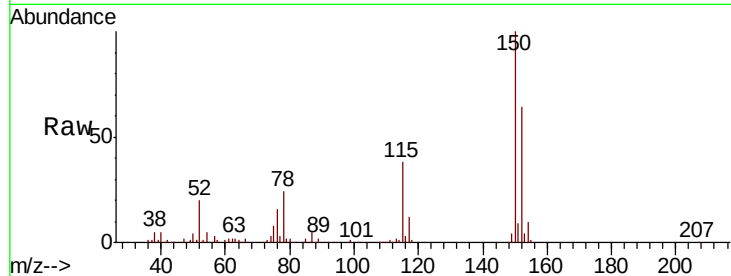
Tot Ion:152 Resp: 101793

Ion Ratio Lower Upper

152 100

115 59.6 29.1 87.3

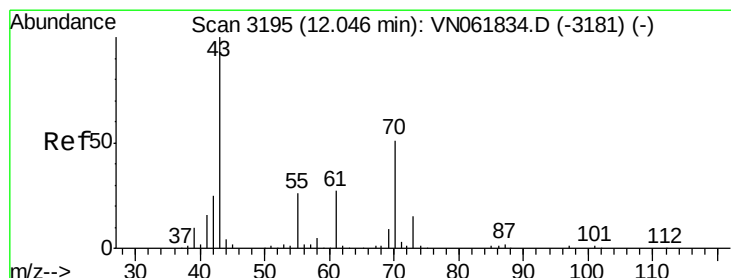
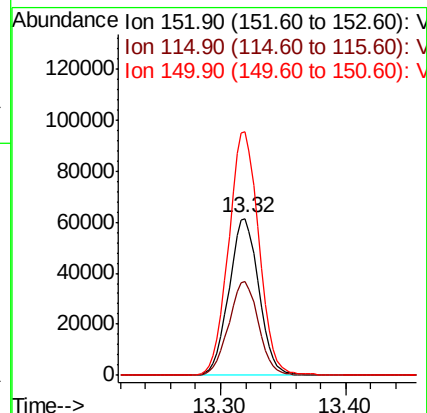
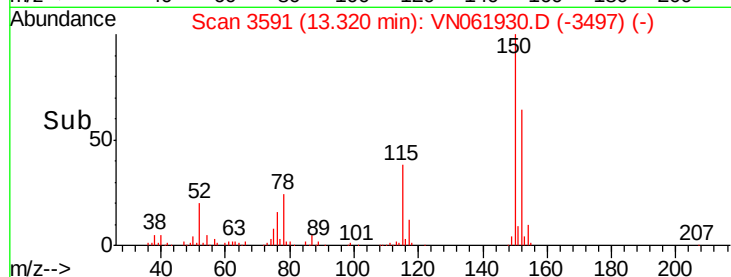
150 157.0 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 3.517 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Tgt Ion: 43 Resp: 1265

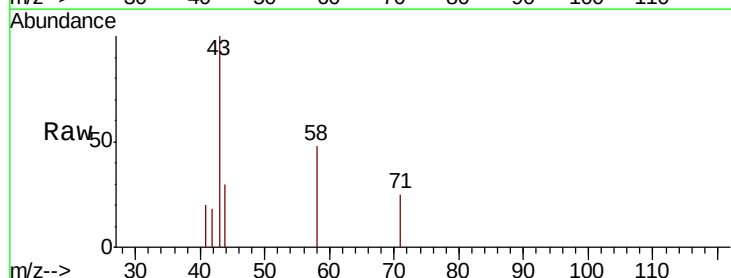
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

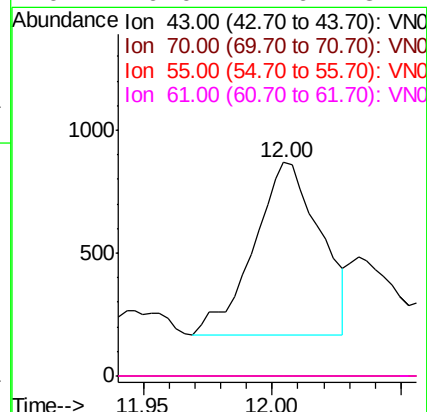
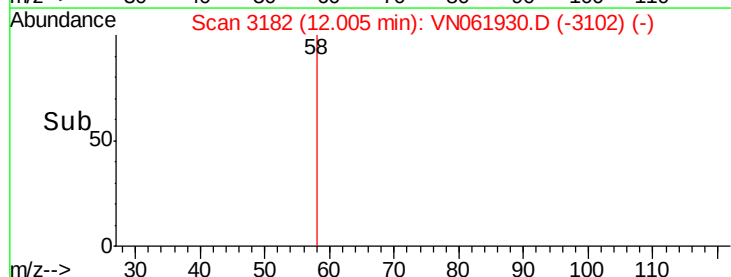


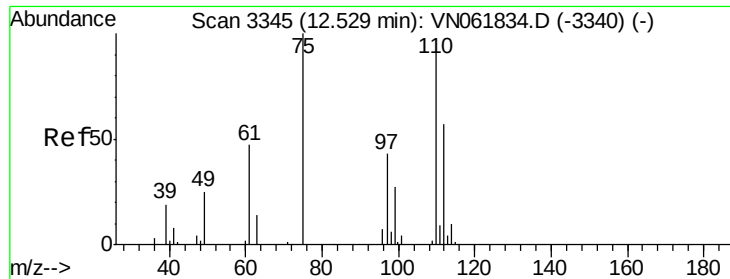
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

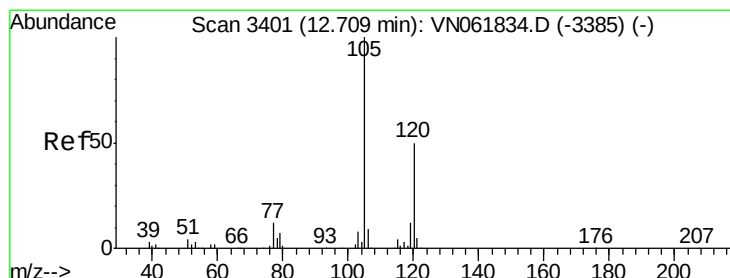
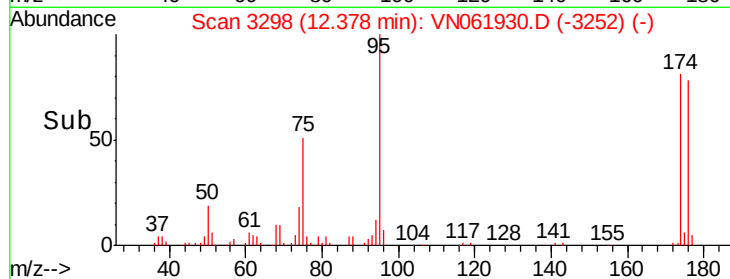
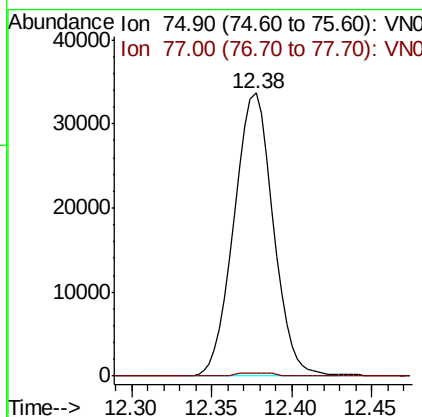
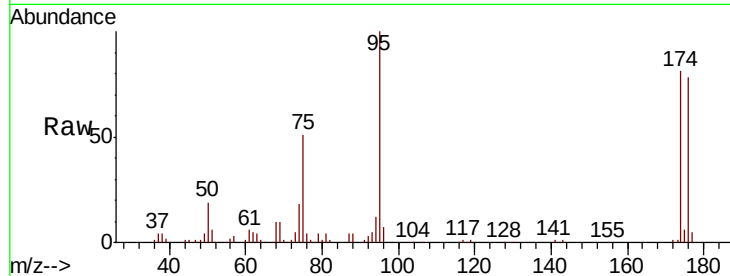




#76
 1,2,3-Trichloropropane
 Concen: 28.150 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061930.D
 Acq: 19 Jun 2020 4:29

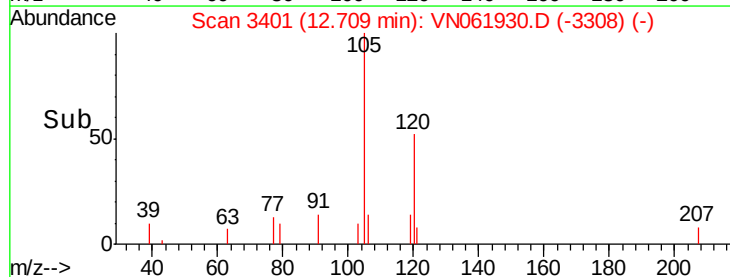
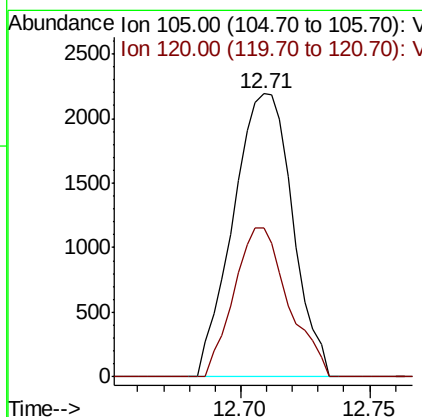
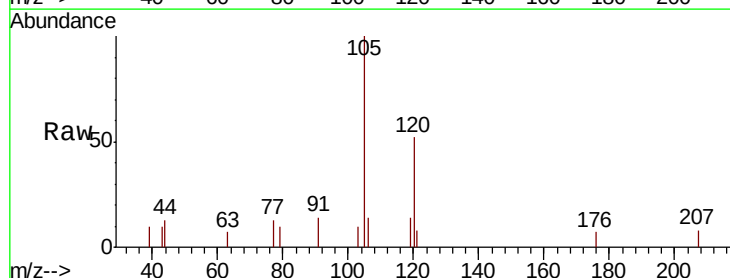
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#07

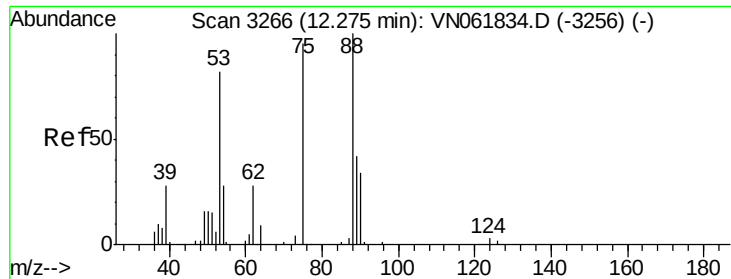
Tot Ion: 75 Resp: 56256
 Ion Ratio Lower Upper
 75 100
 77 0.6 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.590 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061930.D
 Acq: 19 Jun 2020 4:29

Tgt Ion: 105 Resp: 3531
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 76.776 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061930.D

Acq: 19 Jun 2020 4:29

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#07

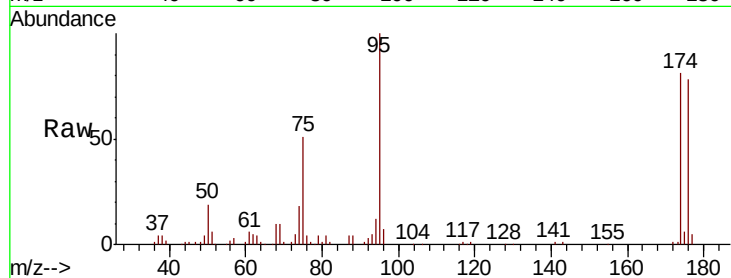
Tot Ion: 75 Resp: 56256

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

