

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061929.D
 Acq On : 19 Jun 2020 4:05
 Operator : JC/MD
 Sample : PB129596ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129596ZHE#06

Quant Time: Jun 19 05:34:55 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	142624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	271514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	268838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	102066	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	99302	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
35) Dibromofluoromethane	7.55	113	85867	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.06	98	342406	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.38	95	115173	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

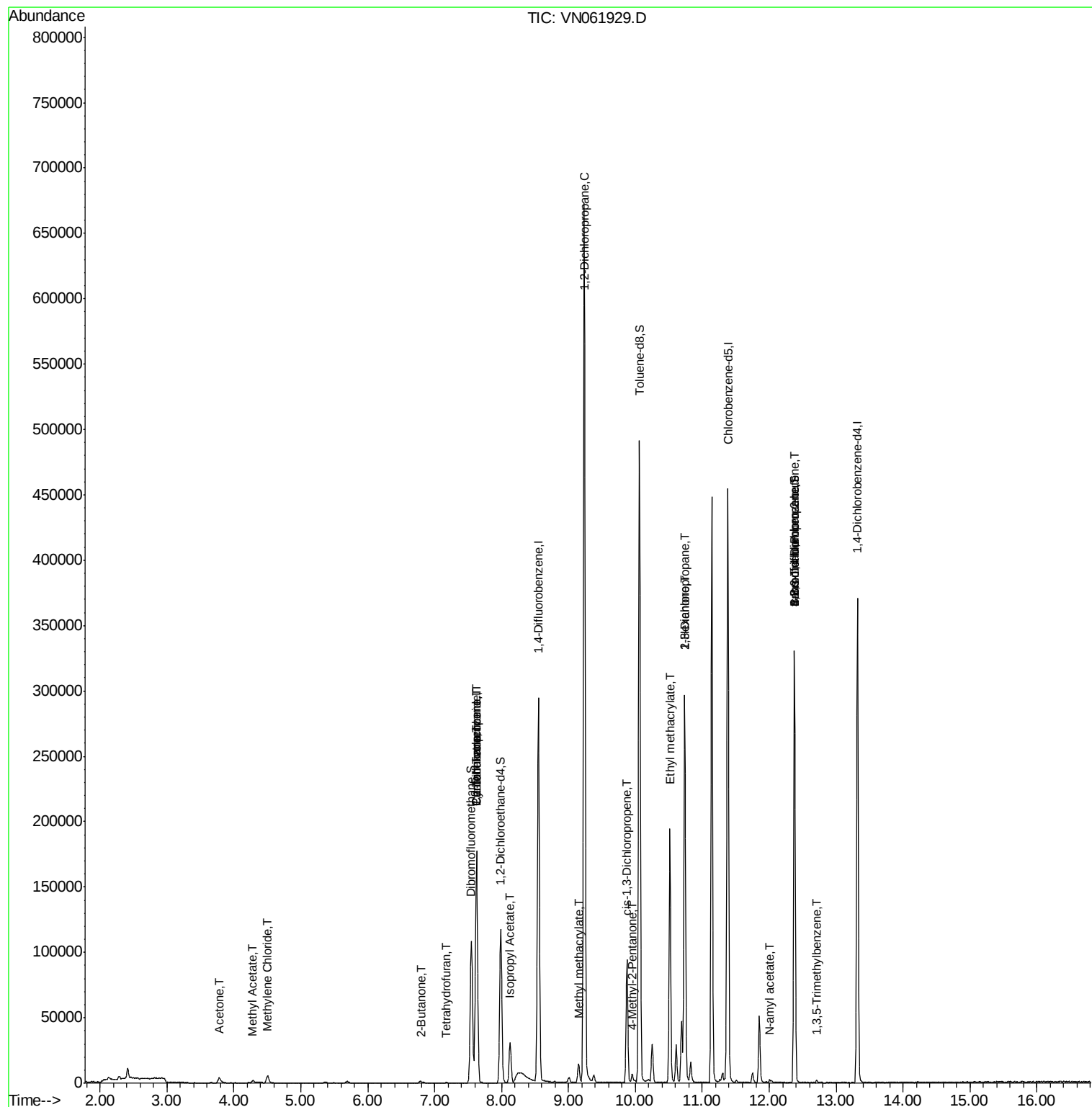
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	7403	13.103	ug/l	98
18) Methyl Acetate	4.28	43	3459	2.126	ug/l	94
20) Methylene Chloride	4.50	84	4485	2.436	ug/l	97
25) 2-Butanone	6.80	43	1503	1.823	ug/l #	73
29) Tetrahydrofuran	7.18	42	176	0.324	ug/l #	53
31) Cyclohexane	7.62	56	2765	1.097	ug/l #	24
36) 1,1-Dichloropropene	7.63	75	10789	4.357	ug/l #	49
38) Carbon Tetrachloride	7.63	117	13867	5.654	ug/l #	17
43) Isopropyl Acetate	8.13	43	33674	10.332	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	753	0.408	ug/l #	43
48) Methyl methacrylate	9.15	41	1903	1.284	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	3208	1.666	ug/l	90
54) cis-1,3-Dichloropropene	9.87	75	17858	5.826	ug/l #	67
56) Ethyl methacrylate	10.51	69	851	3.186	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3286	1.046	ug/l #	42
59) 2-Hexanone	10.74	43	37616	36.543	ug/l #	48
71) Bromoform	12.37	173	430	0.298	ug/l #	1
74) N-amyl acetate	12.00	43	1666	3.660	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	56576	28.234	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1647	0.274	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	56576	77.007	ug/l #	14

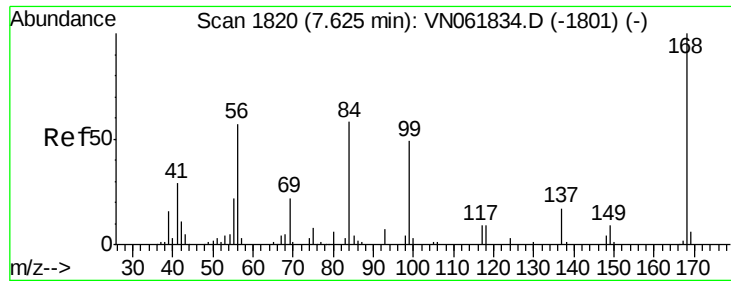
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

Instrument :

MSVOA_N

ClientSampleId :

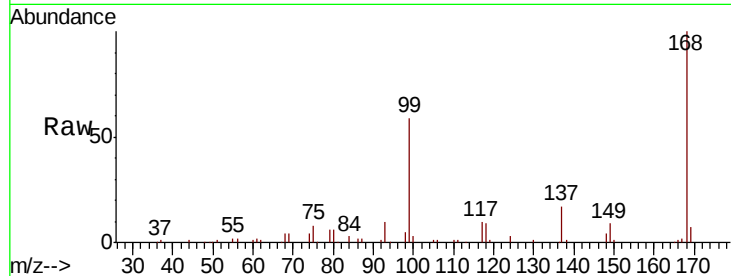
PB129596ZHE#06

Tot Ion:168 Resp: 142624

Ion Ratio Lower Upper

168 100

99 59.0 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

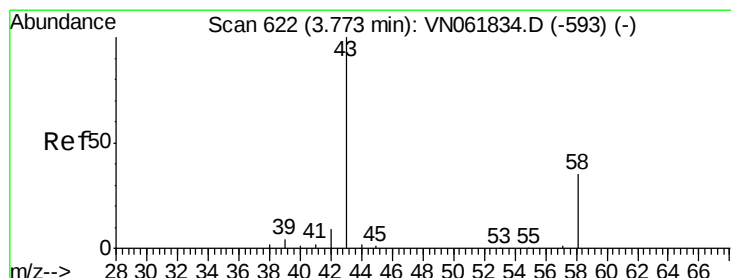
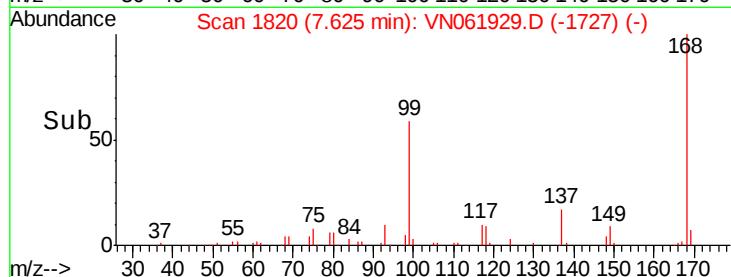
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 13.103 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061929.D

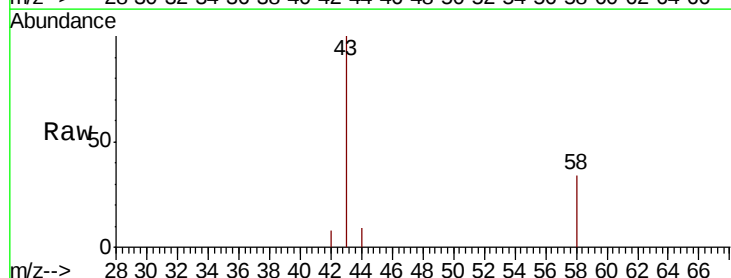
Acq: 19 Jun 2020 4:05

Tgt Ion: 43 Resp: 7403

Ion Ratio Lower Upper

43 100

58 33.7 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

3000

2500

2000

1500

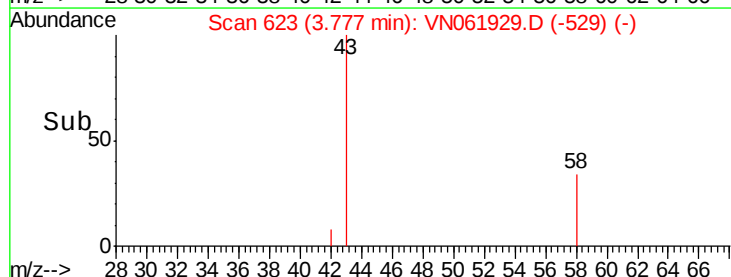
1000

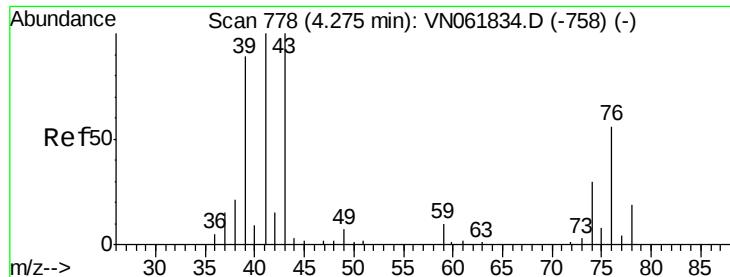
500

0

3.70 3.75 3.80 3.85

Time-->

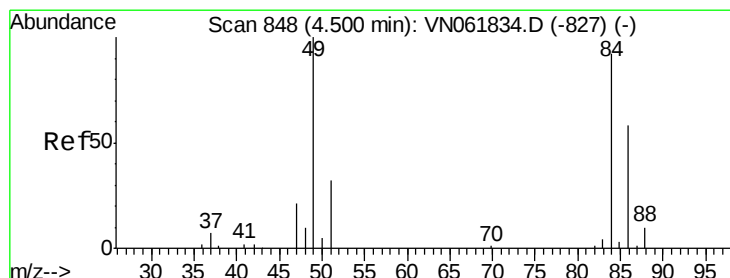
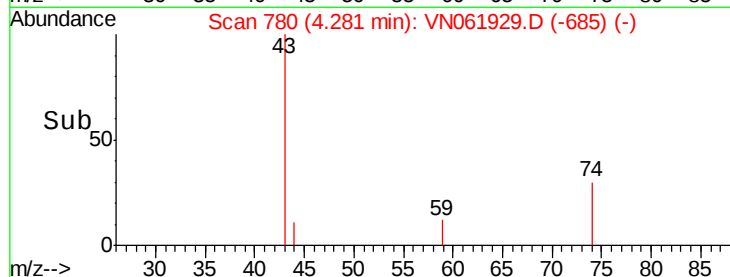
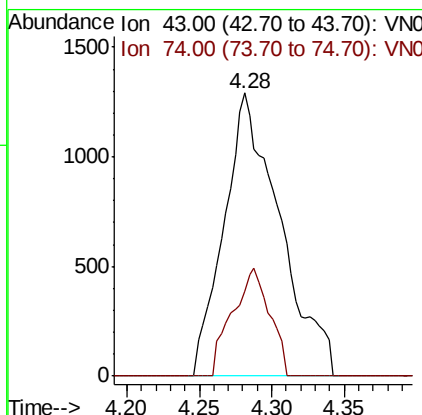
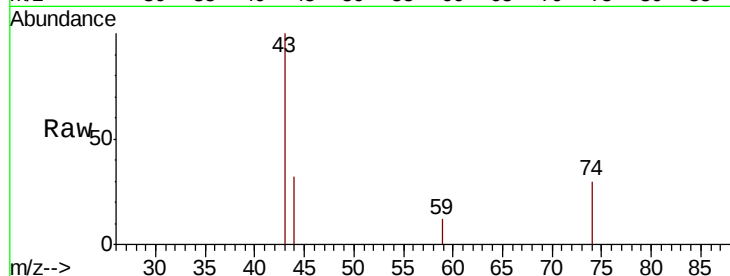




#18
Methyl Acetate
Concen: 2.126 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

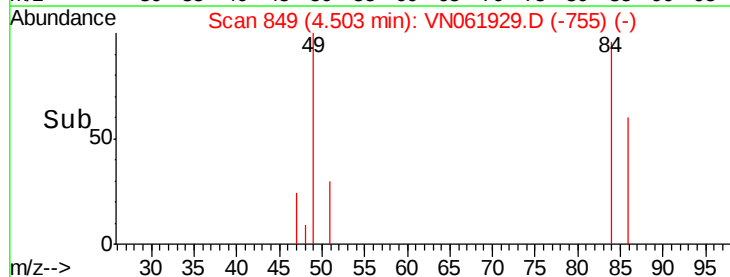
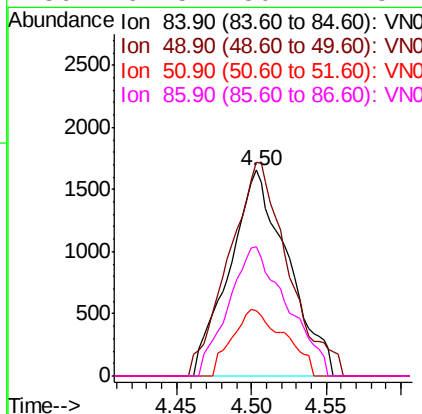
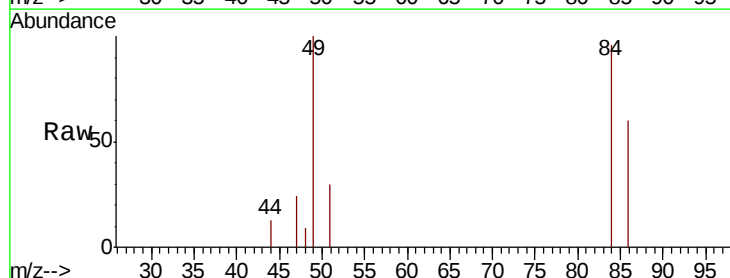
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#06

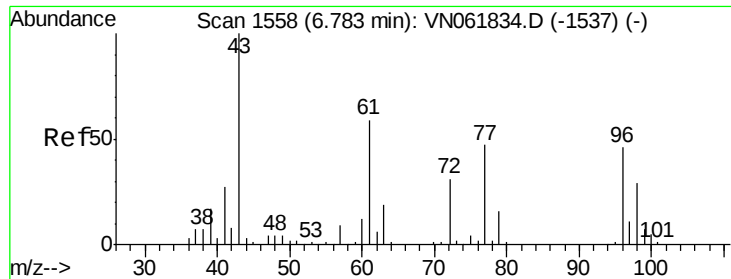
Tot Ion: 43 Resp: 3459
Ion Ratio Lower Upper
43 100
74 25.4 23.0 34.4



#20
Methylene Chloride
Concen: 2.436 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Tgt Ion: 84 Resp: 4485
Ion Ratio Lower Upper
84 100
49 103.7 87.0 130.4
51 31.6 27.8 41.6
86 62.5 50.2 75.2





#25

2-Butanone

Concen: 1.823 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

Instrument :

MSVOA_N

ClientSampleId :

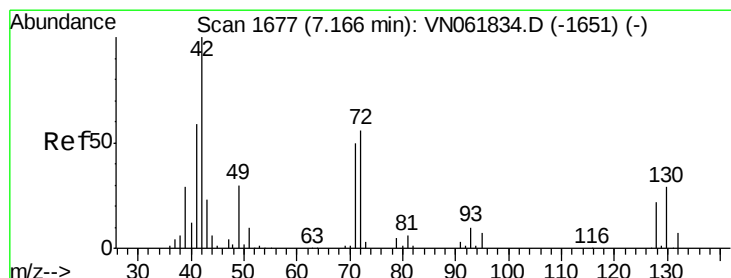
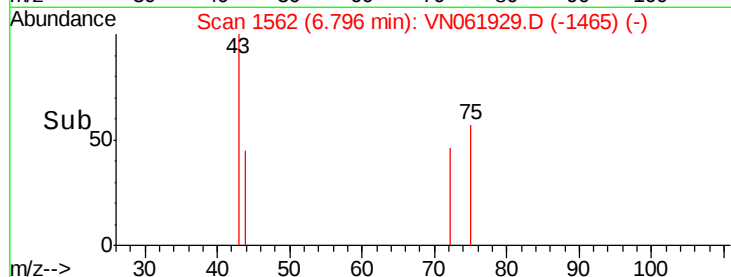
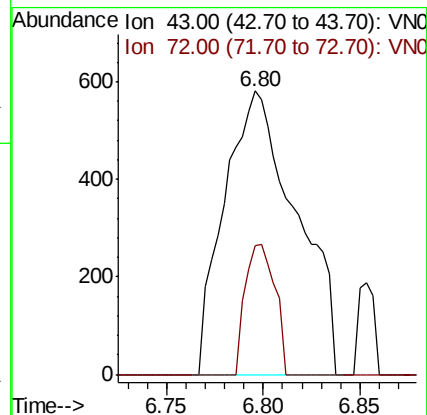
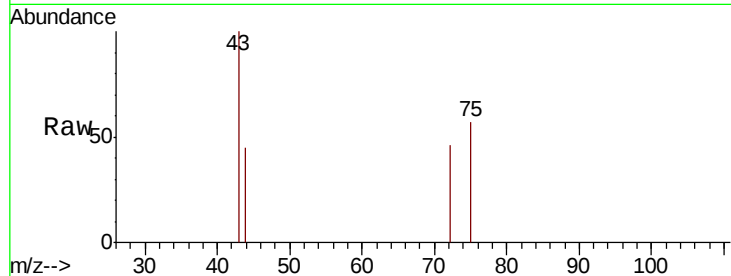
PB129596ZHE#06

Tot Ion: 43 Resp: 1503

Ion Ratio Lower Upper

43 100

72 45.6 24.6 37.0#



#29

Tetrahydrofuran

Concen: 0.324 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.01 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

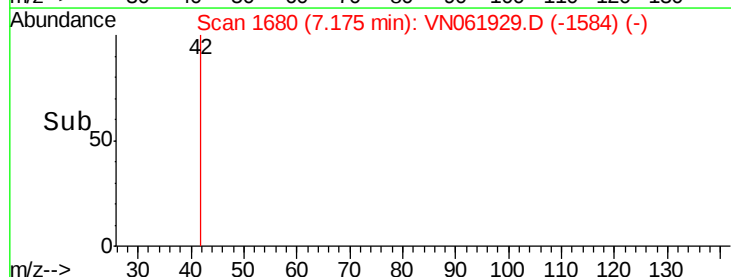
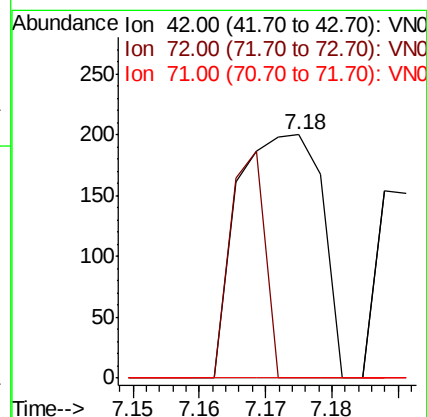
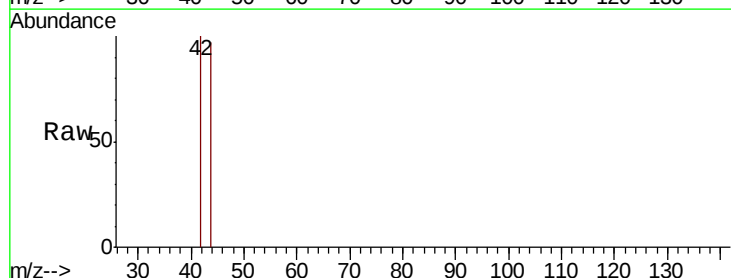
Tgt Ion: 42 Resp: 176

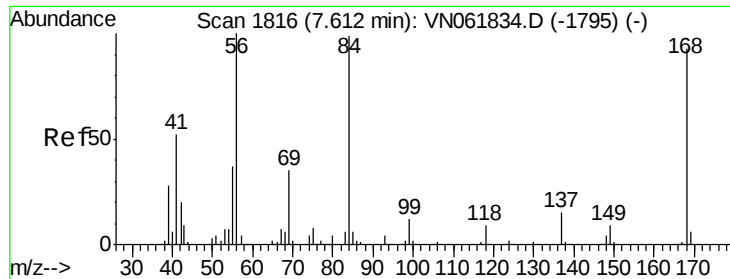
Ion Ratio Lower Upper

42 100

72 38.1 44.0 66.0#

71 0.0 40.0 60.0#

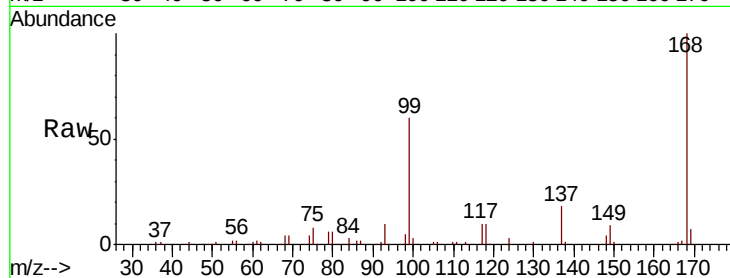




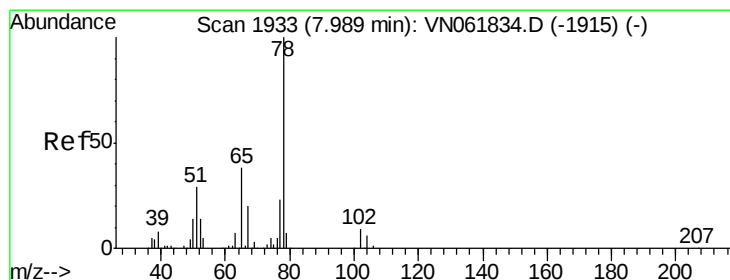
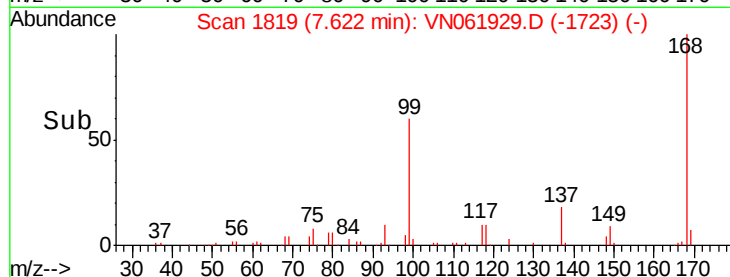
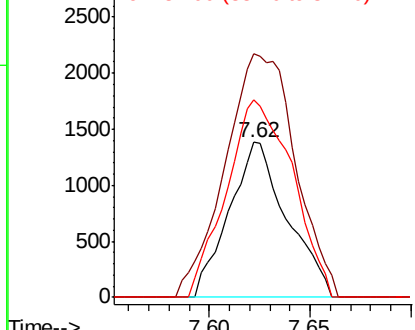
#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#06

Tot Ion: 56 Resp: 2765
Ion Ratio Lower Upper
56 100
69 157.0 27.7 41.5#
84 127.4 79.1 118.7#

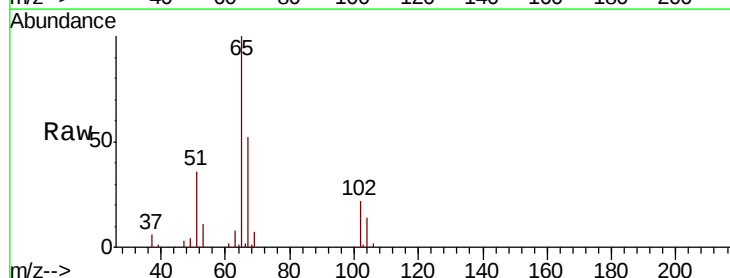


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

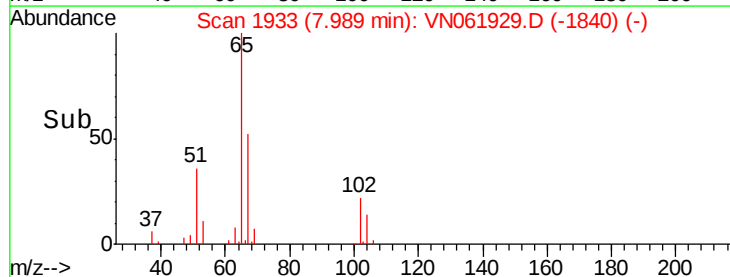
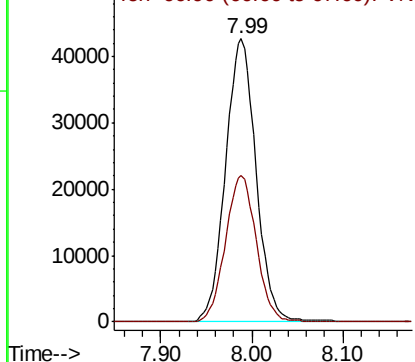


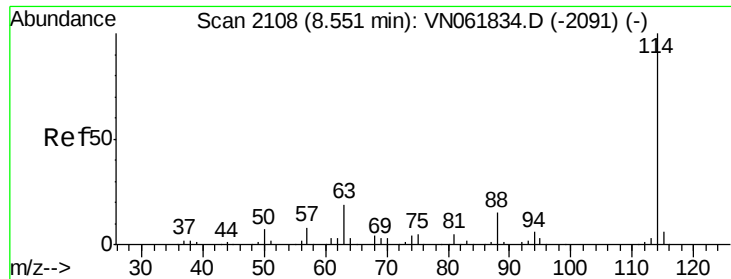
#33
1,2-Dichloroethane-d4
Concen: 51.915 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Tgt Ion: 65 Resp: 99302
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.2



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

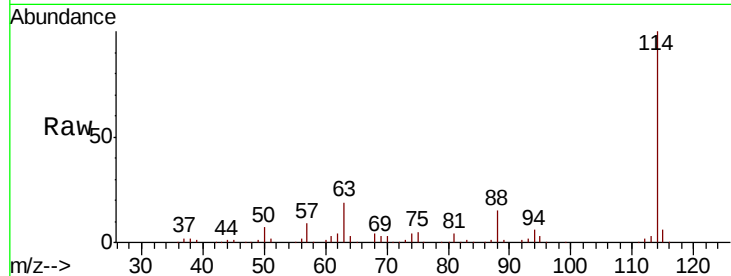




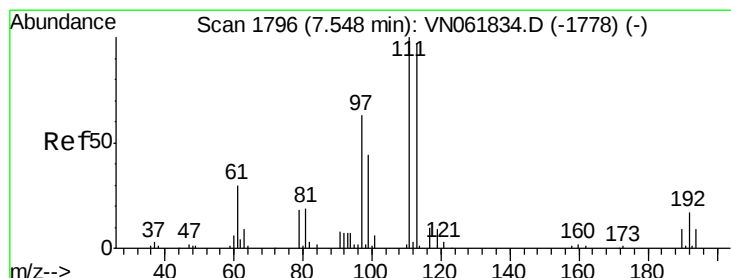
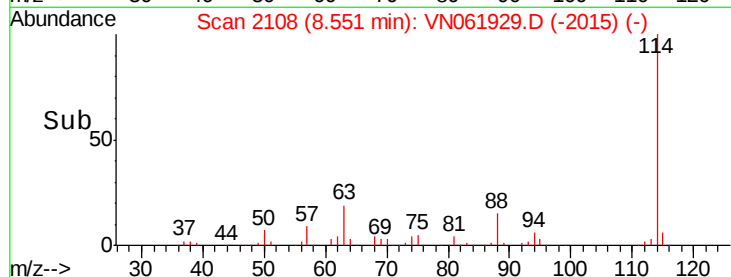
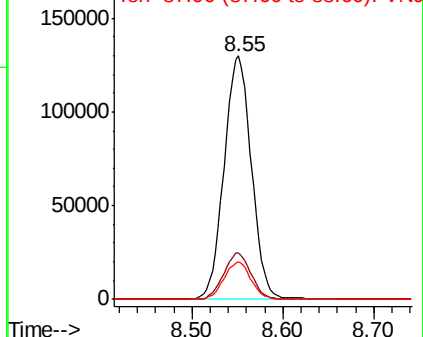
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Instrument :
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PB129596ZHE#06

Tot Ion:114 Resp: 271514
Ion Ratio Lower Upper
114 100
63 19.1 0.0 37.6
88 15.2 0.0 31.0

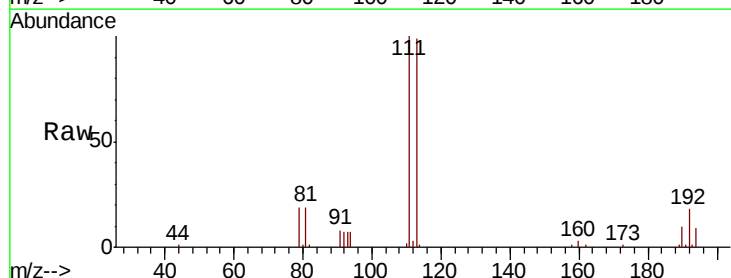


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

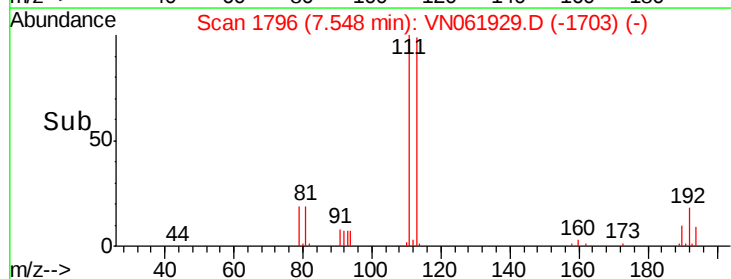
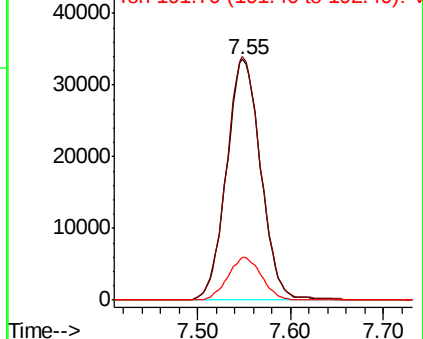


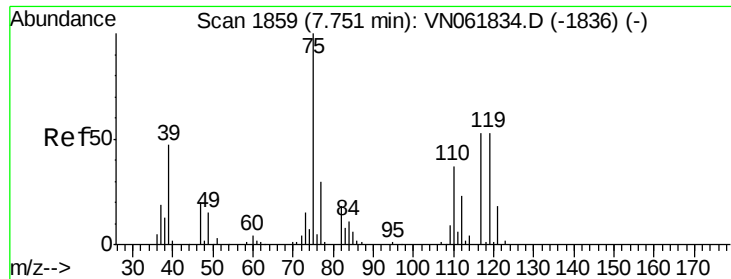
#35
Dibromofluoromethane
Concen: 49.434 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Tgt Ion:113 Resp: 85867
Ion Ratio Lower Upper
113 100
111 100.2 83.7 125.5
192 17.4 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

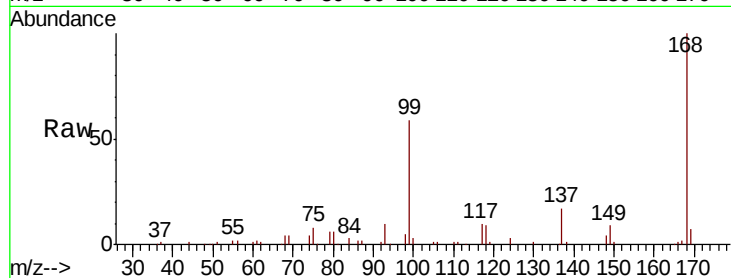




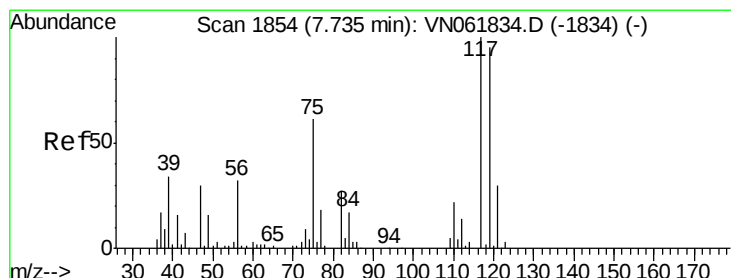
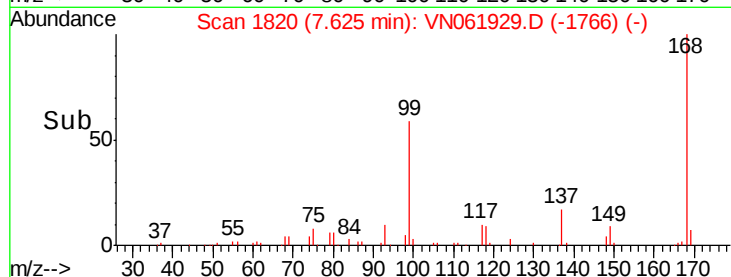
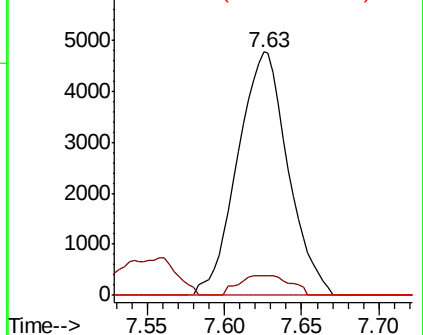
#36
 1,1-Dichloropropene
 Concen: 4.357 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061929.D
 Acq: 19 Jun 2020 4:05

Instrument :
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 PB129596ZHE#06

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.2	54.6#
77	0.0	24.2	36.4#

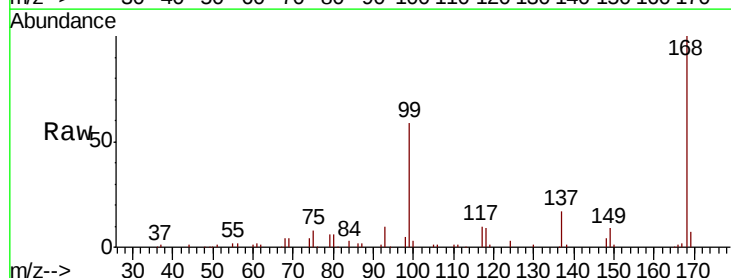


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

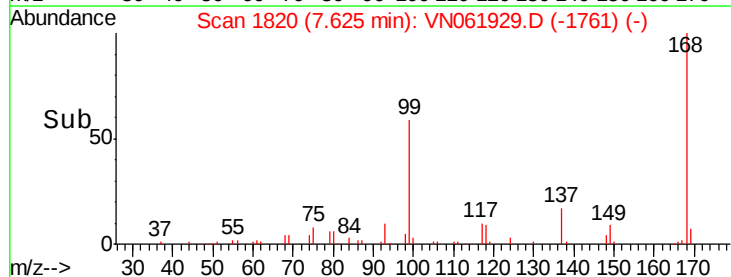
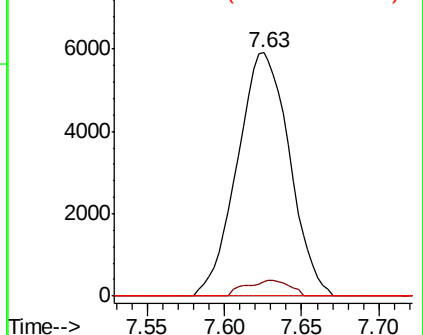


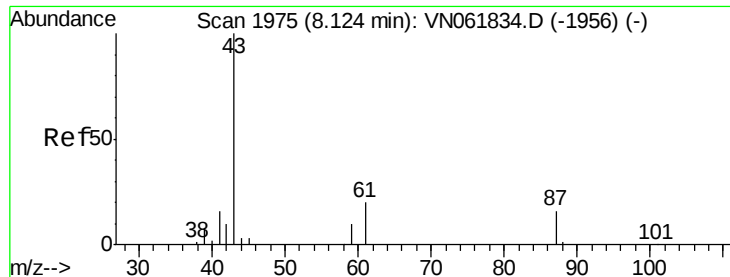
#38
 Carbon Tetrachloride
 Concen: 5.654 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061929.D
 Acq: 19 Jun 2020 4:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	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) (-)





#43

Isopropyl Acetate

Concen: 10.332 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#06

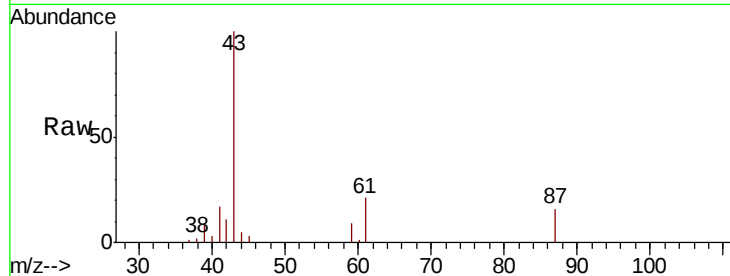
Tot Ion: 43 Resp: 33674

Ion Ratio Lower Upper

43 100

61 21.9 24.0 36.0#

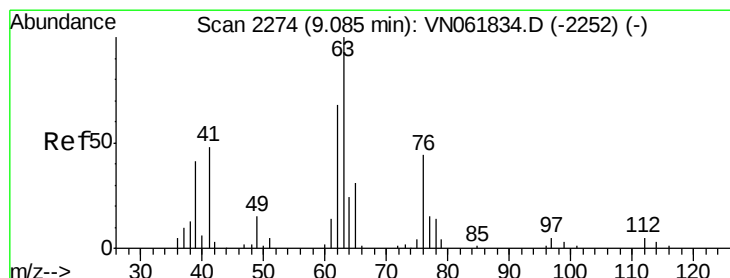
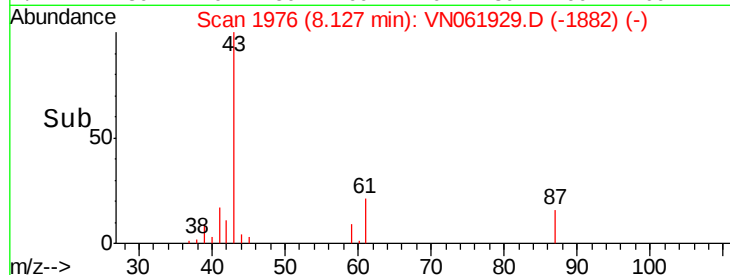
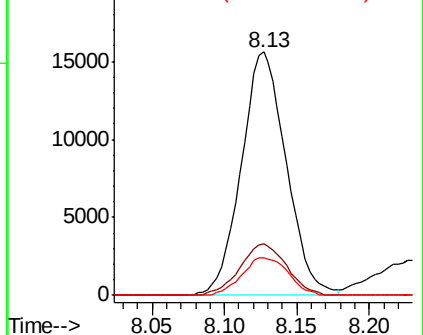
87 15.8 12.5 18.7



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: 0.408 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN061929.D

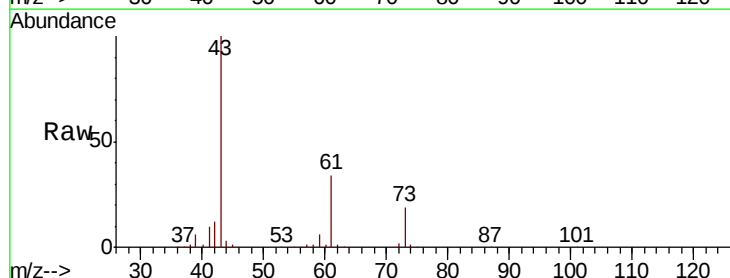
Acq: 19 Jun 2020 4:05

Tgt Ion: 63 Resp: 753

Ion Ratio Lower Upper

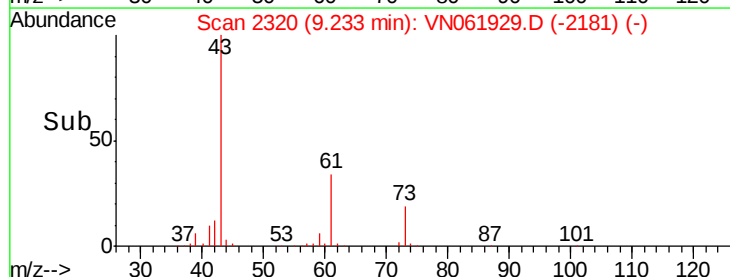
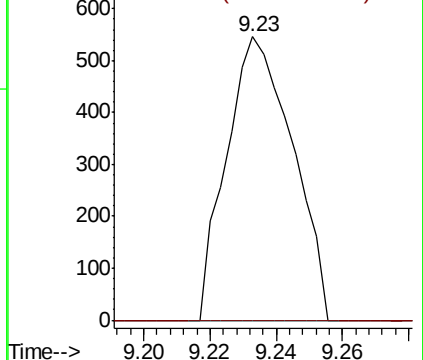
63 100

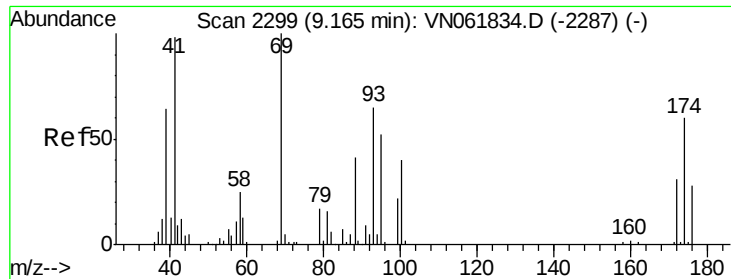
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

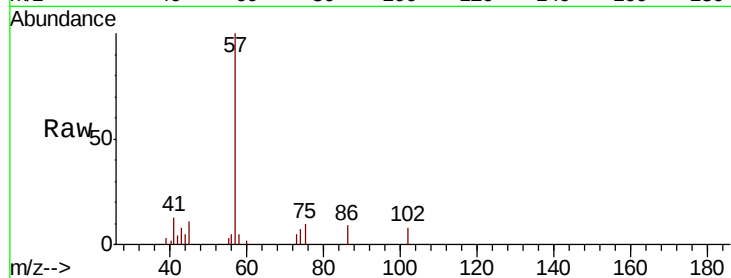




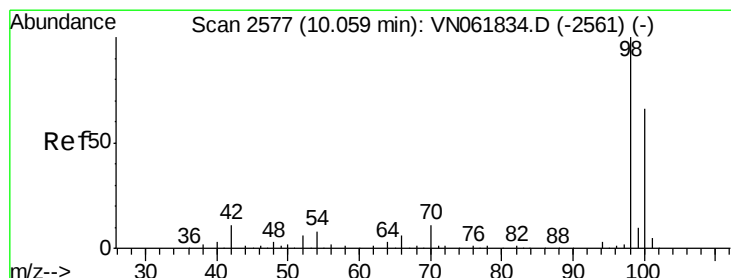
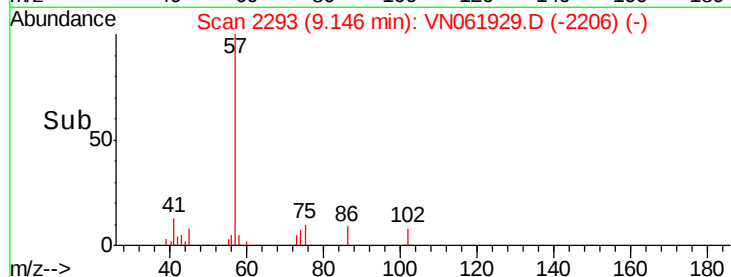
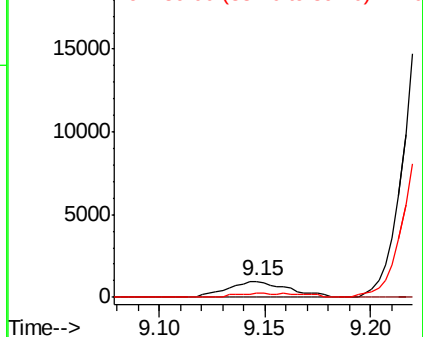
#48
Methvl methacrylate
Concen: 1.284 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#06

Tot Ion: 41 Resp: 1903
Ion Ratio Lower Upper
41 100
69 0.0 83.0 124.4#
39 0.0 55.1 82.7#

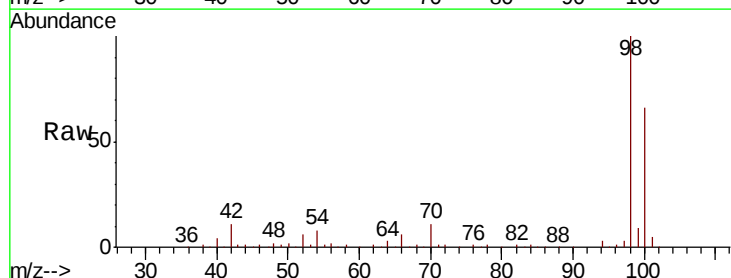


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

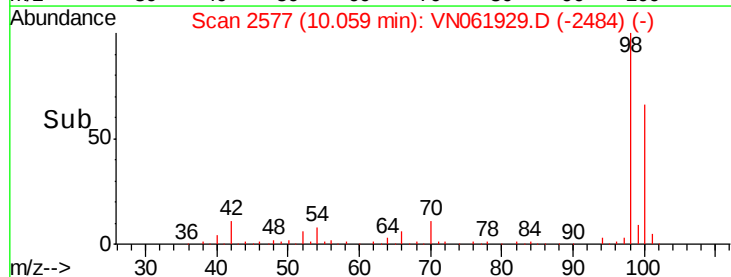
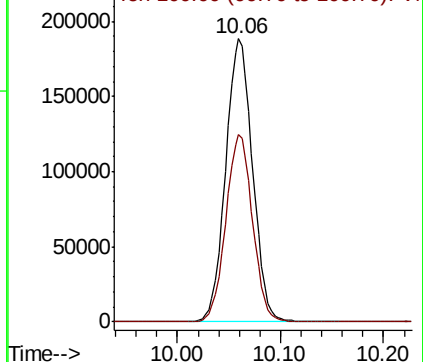


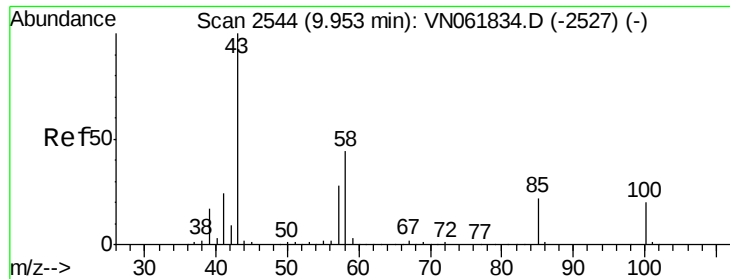
#50
Toluene-d8
Concen: 50.141 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Tgt Ion: 98 Resp: 342406
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

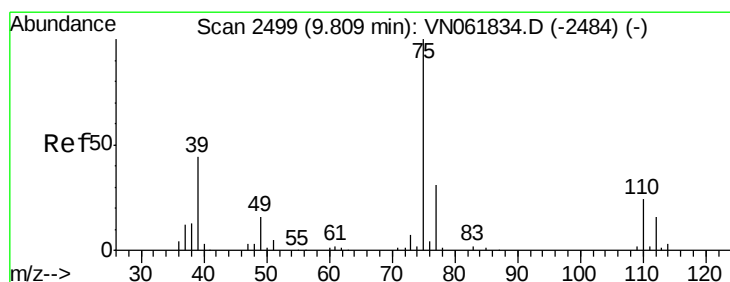
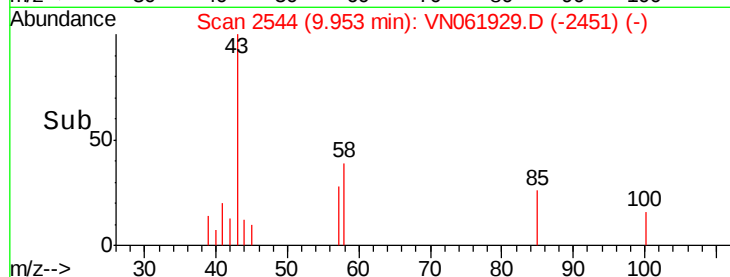
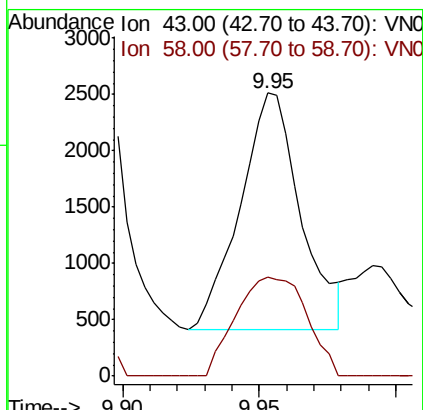
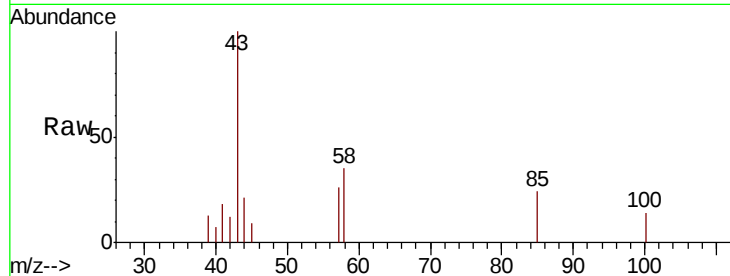




#51
4-Methyl-2-Pentanone
Concen: 1.666 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

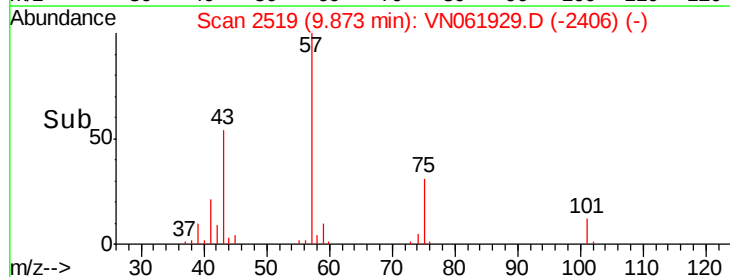
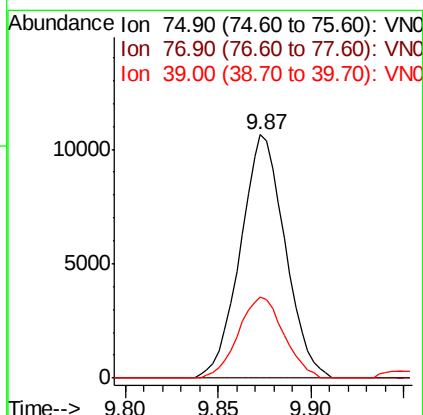
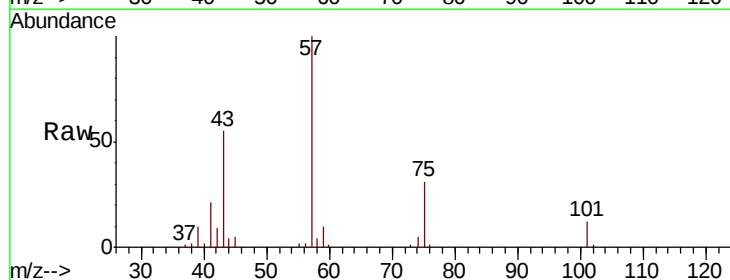
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#06

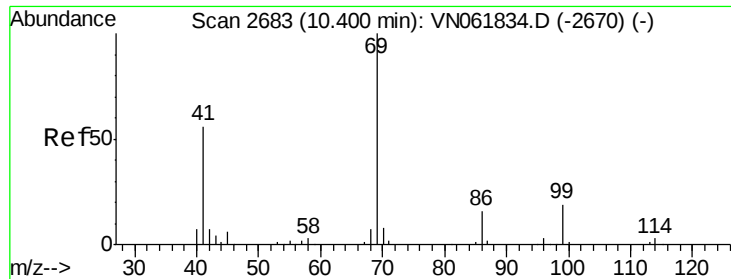
Tot Ion: 43 Resp: 3208
Ion Ratio Lower Upper
43 100
58 49.5 34.6 52.0



#54
cis-1,3-Dichloropropene
Concen: 5.826 ug/l
RT: 9.87 min Scan# 2519
Delta R.T. 0.06 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Tgt Ion: 75 Resp: 17858
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 33.2 35.4 53.0#





#56

Ethyl methacrylate

Concen: 3.186 ug/l

RT: 10.51 min Scan# 2717

Delta R.T. 0.11 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#06

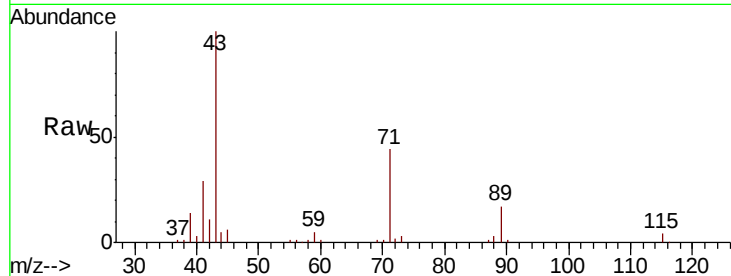
Tot Ion: 69 Resp: 851

Ion Ratio Lower Upper

69 100

41 4343.9 44.9 67.3#

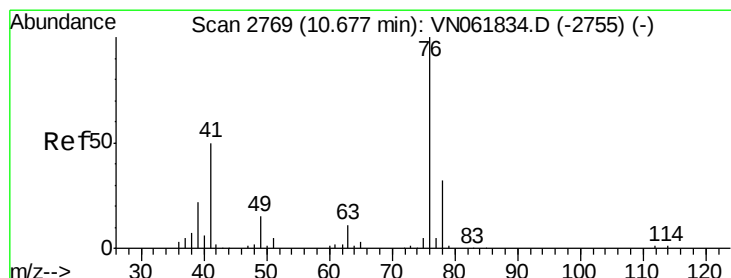
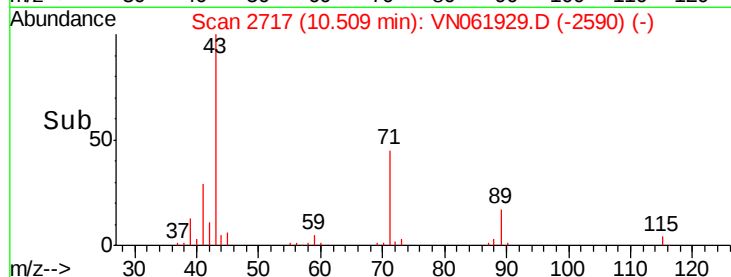
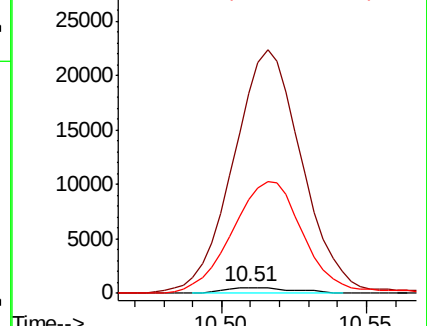
39 2082.3 30.0 45.0#



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: 1.046 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.06 min

Lab File: VN061929.D

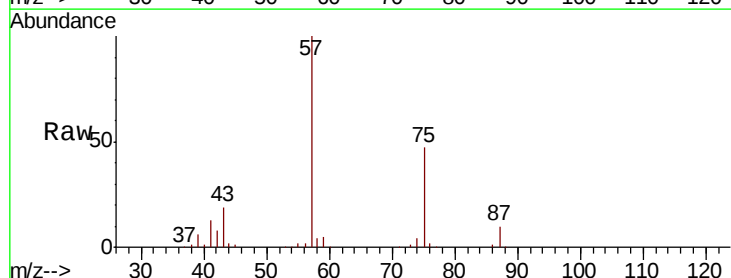
Acq: 19 Jun 2020 4:05

Tgt Ion: 76 Resp: 3286

Ion Ratio Lower Upper

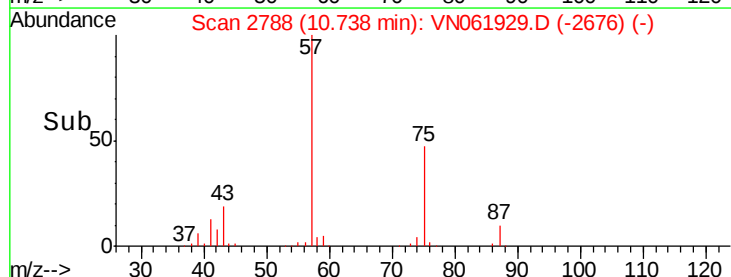
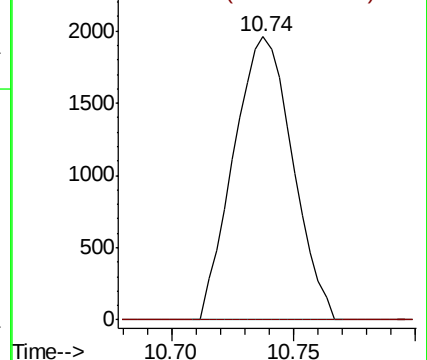
76 100

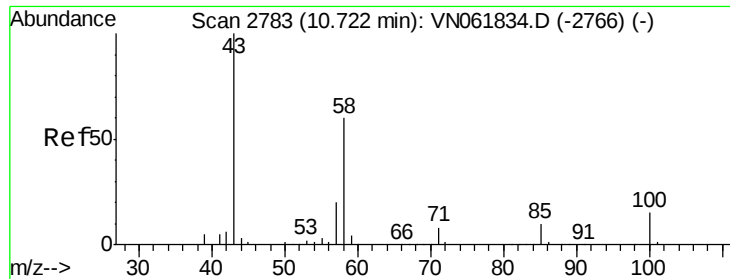
78 0.0 25.8 38.8#



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

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

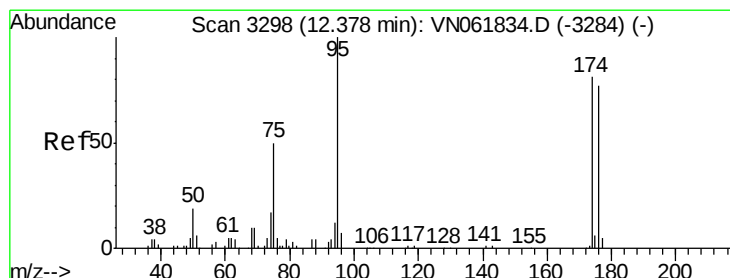
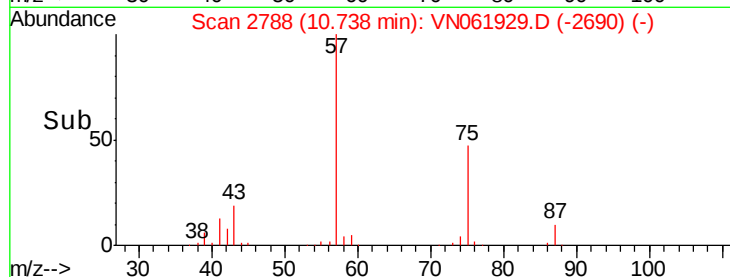
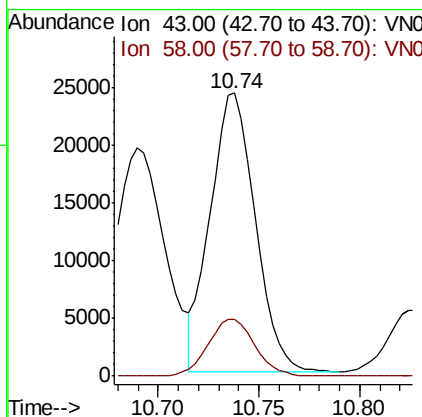
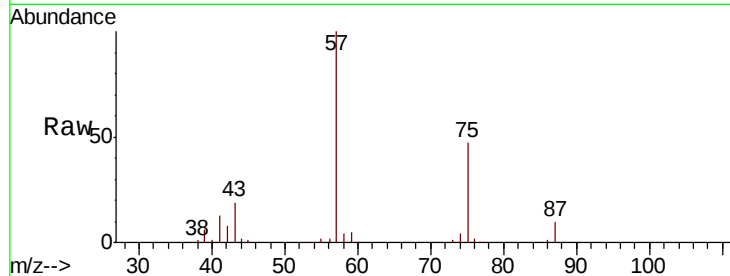




#59
2-Hexanone
Concen: 36.543 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

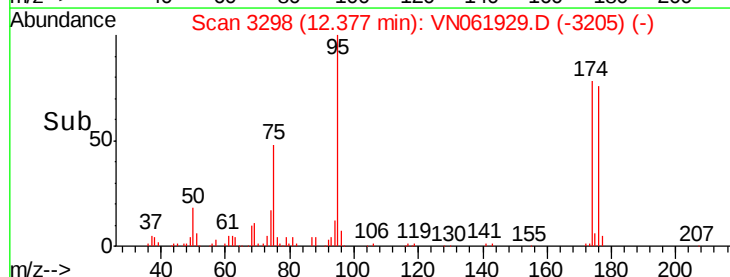
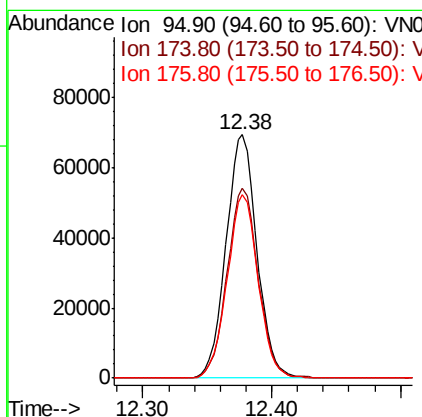
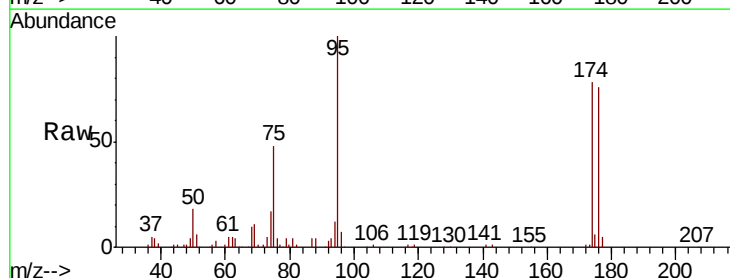
Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#06

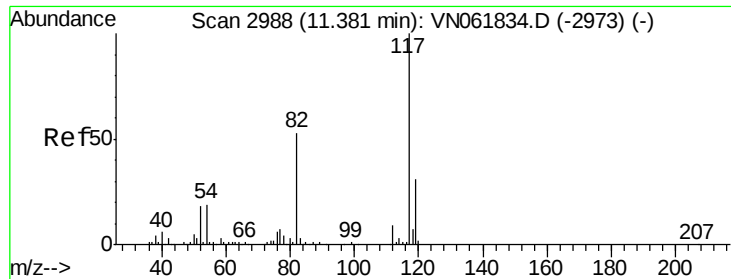
Tot Ion: 43 Resp: 37616
Ion Ratio Lower Upper
43 100
58 21.1 30.1 90.5#



#62
4-Bromofluorobenzene
Concen: 49.169 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Tgt Ion: 95 Resp: 115173
Ion Ratio Lower Upper
95 100
174 79.0 0.0 158.6
176 75.7 0.0 152.0

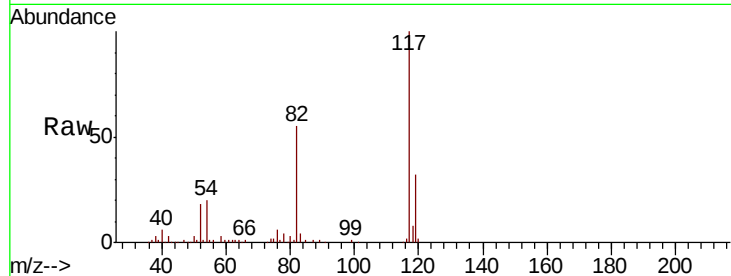




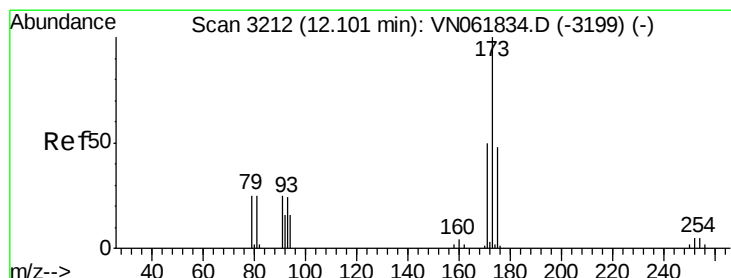
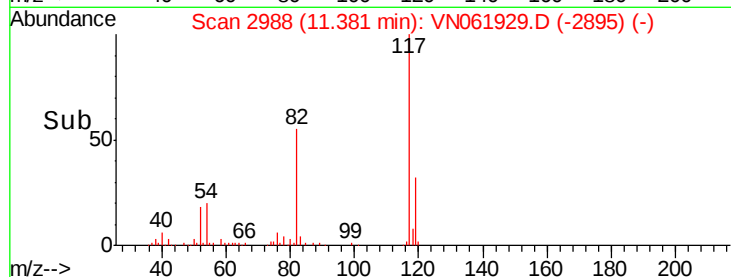
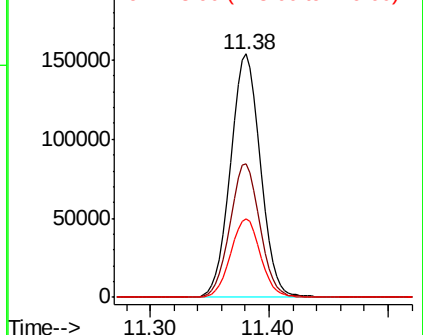
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Instrument :
MSVOA_N
ClientSampleId :
PB129596ZHE#06

Tot Ion:117 Resp: 268838
Ion Ratio Lower Upper
117 100
82 55.0 42.6 64.0
119 32.5 24.7 37.1

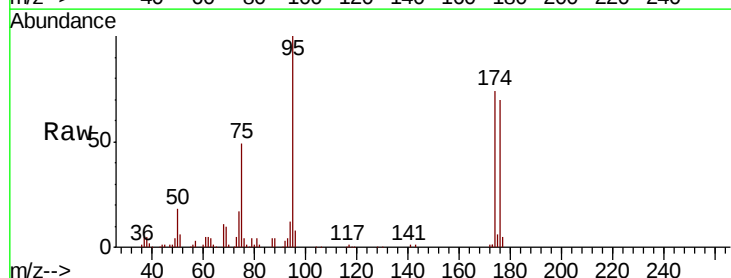


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

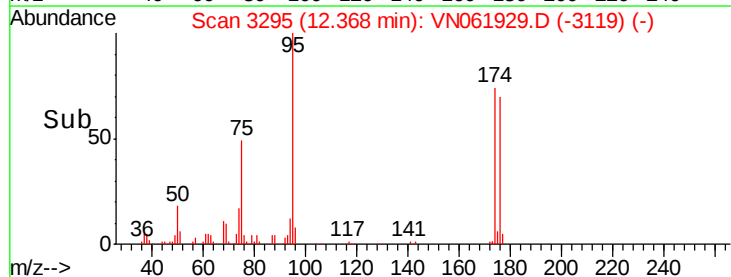
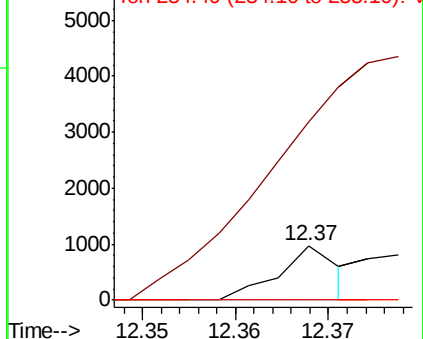


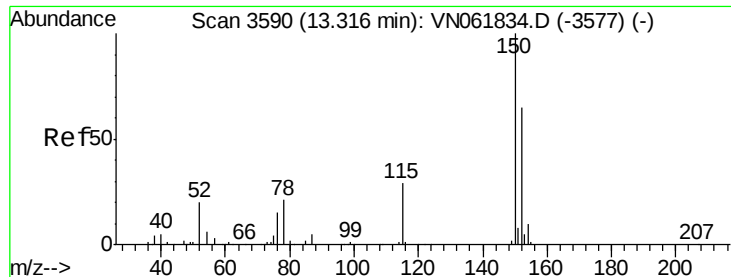
#71
Bromoform
Concen: 0.298 ug/l
RT: 12.37 min Scan# 3295
Delta R.T. 0.27 min
Lab File: VN061929.D
Acq: 19 Jun 2020 4:05

Tgt Ion:173 Resp: 430
Ion Ratio Lower Upper
173 100
175 1444.9 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: VN061929.D

Acq: 19 Jun 2020 4:05

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#06

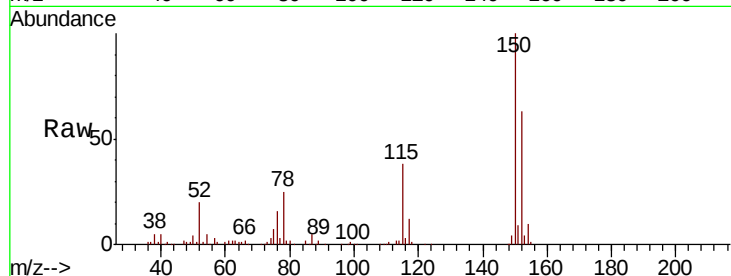
Tot Ion:152 Resp: 102066

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

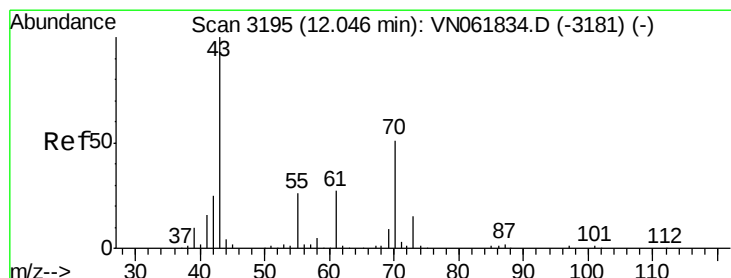
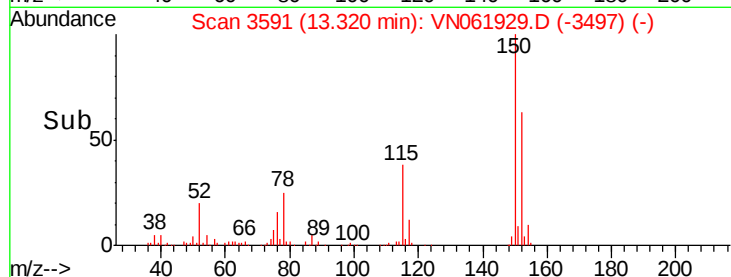
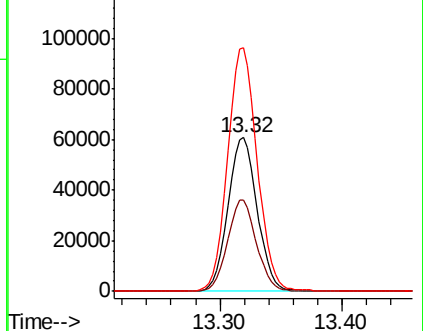
150 159.2 0.0 347.6



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: 3.660 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

Tgt Ion: 43 Resp: 1666

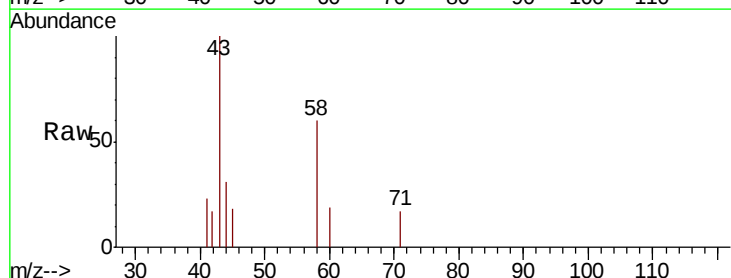
Ion Ratio Lower Upper

43 100

70 0.0 40.6 60.8#

55 0.0 21.5 32.3#

61 0.0 21.6 32.4#

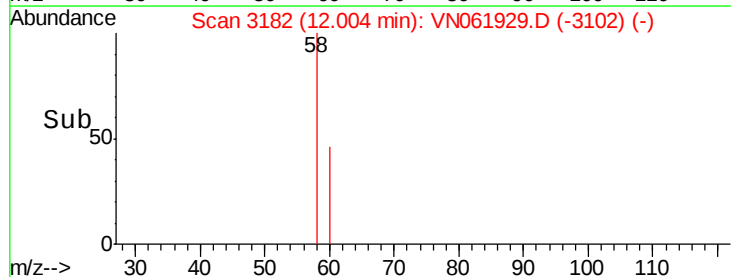
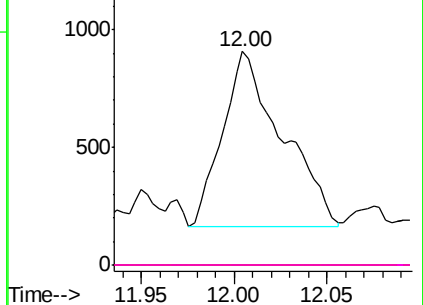


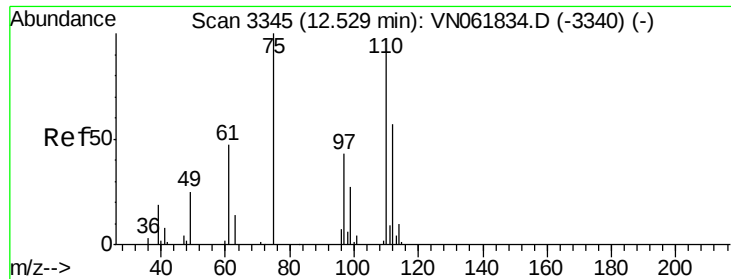
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 28.234 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

Instrument :

MSVOA_N

ClientSampleId :

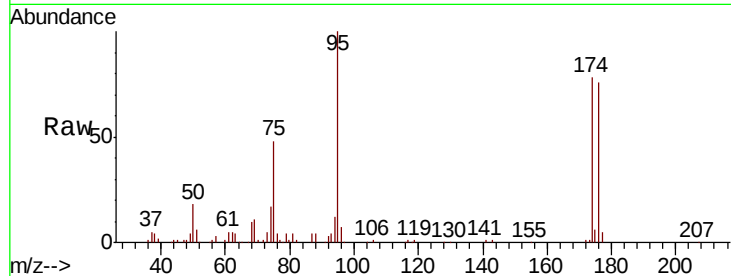
PB129596ZHE#06

Tot Ion: 75 Resp: 56576

Ion Ratio Lower Upper

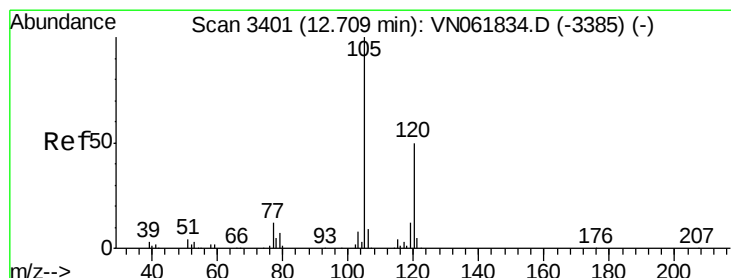
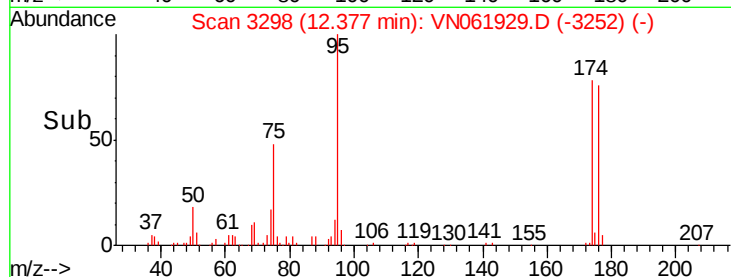
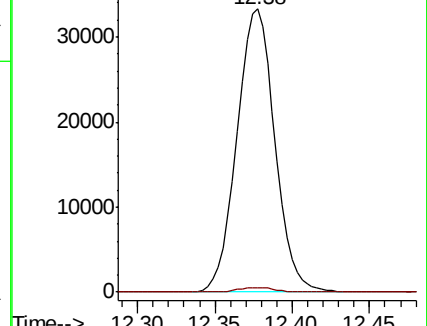
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061834.D (-3340) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.274 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061929.D

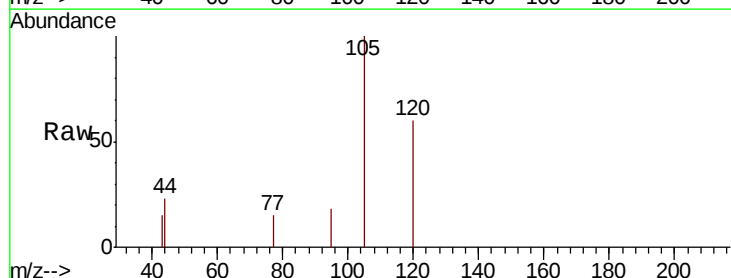
Acq: 19 Jun 2020 4:05

Tgt Ion: 105 Resp: 1647

Ion Ratio Lower Upper

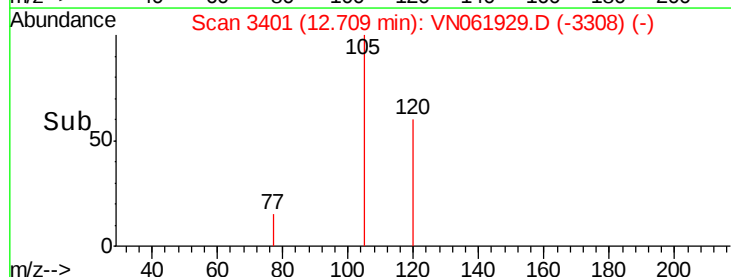
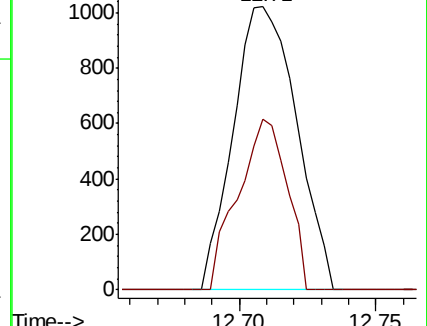
105 100

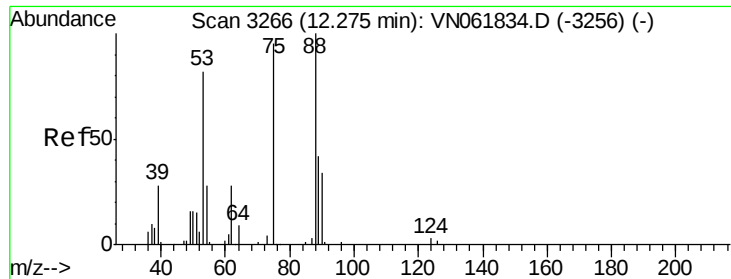
120 46.7 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 77.007 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061929.D

Acq: 19 Jun 2020 4:05

Instrument :

MSVOA_N

ClientSampleId :

PB129596ZHE#06

Tot Ion: 75 Resp: 56576

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

