

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072720\
 Data File : VN062608.D
 Acq On : 27 Jul 2020 19:08
 Operator : JC/MD
 Sample : PB130485ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#05

Quant Time: Jul 28 06:25:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	143040	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	252368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	253222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109972	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	118567	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
35) Dibromofluoromethane	7.55	113	81955	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.06	98	329933	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.38	95	127277	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	

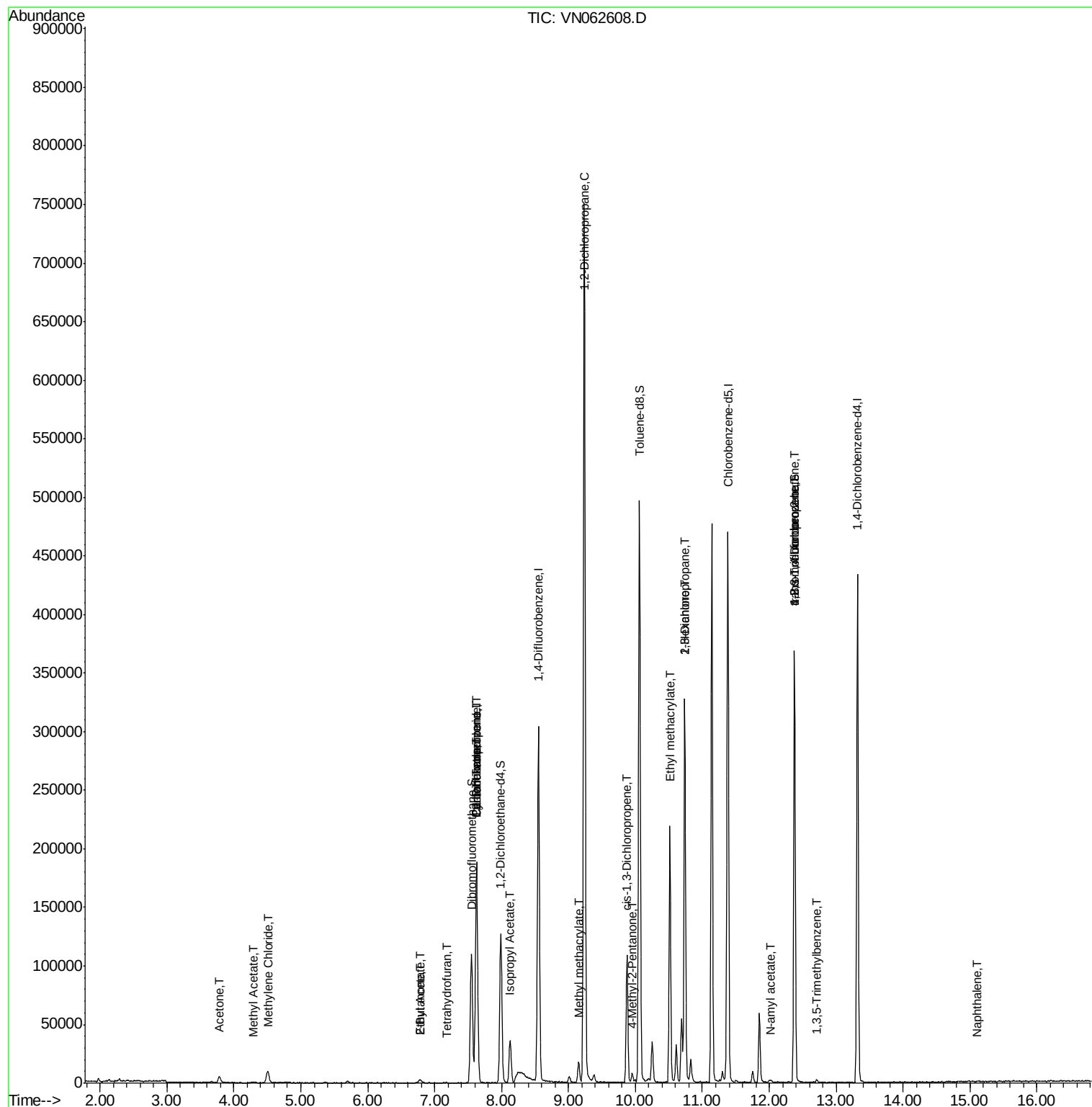
Target Compounds					Qvalue	
16) Acetone	3.78	43	9845	11.774	ug/l	97
18) Methyl Acetate	4.29	43	891	0.421	ug/l #	56
20) Methylene Chloride	4.51	84	7258	3.619	ug/l	96
25) 2-Butanone	6.79	43	984	0.773	ug/l	96
29) Tetrahydrofuran	7.18	42	351	0.407	ug/l #	38
31) Cyclohexane	7.63	56	3153	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12829	4.769	ug/l #	50
37) Ethyl Acetate	6.79	43	984	0.339	ug/l #	69
38) Carbon Tetrachloride	7.63	117	15235	5.892	ug/l #	20
43) Isopropyl Acetate	8.13	43	43998	9.412	ug/l #	90
45) 1,2-Dichloropropane	9.24	63	886	0.387	ug/l #	44
48) Methyl methacrylate	9.15	41	2511	1.130	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	5544	1.982	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	18648	5.453	ug/l #	68
56) Ethyl methacrylate	10.51	69	634	1.955	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3092	0.920	ug/l #	42
59) 2-Hexanone	10.74	43	49126	25.402	ug/l #	53
74) N-amyl acetate	12.01	43	2029	0.522	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	71107	25.403	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	1978	0.274	ug/l	85
81) trans-1,4-Dichloro-2-buten	12.38	75	71107	70.715	ug/l #	12
95) Naphthalene	15.11	128	217	3.802	ug/l #	69

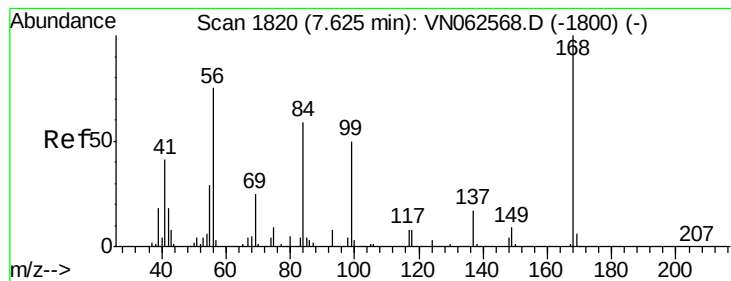
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
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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: VN062608.D

Acq: 27 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

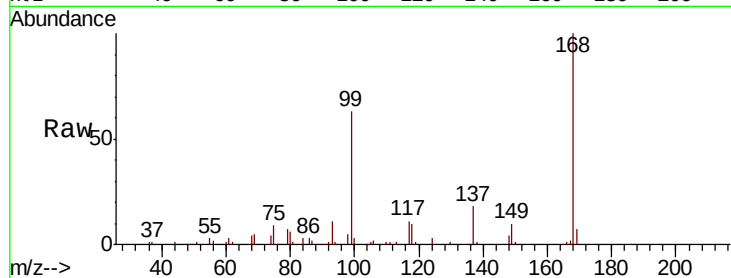
PB130485ZHE#05

Tot Ion:168 Resp: 143040

Ion Ratio Lower Upper

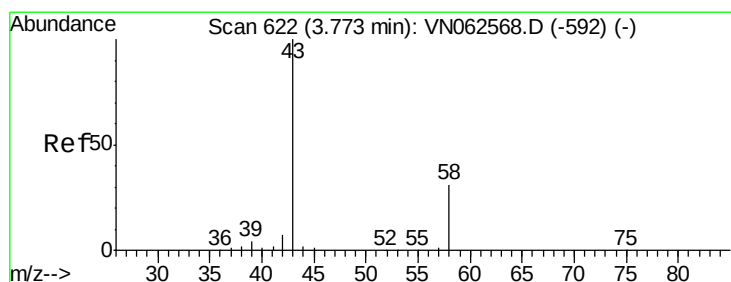
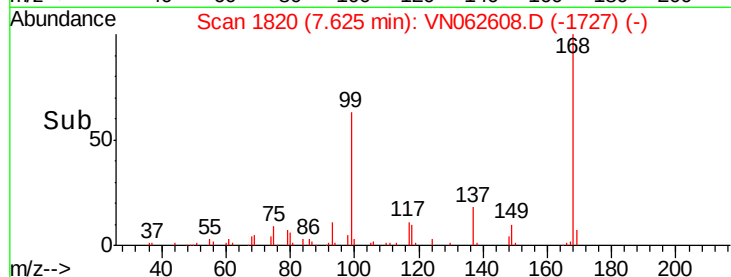
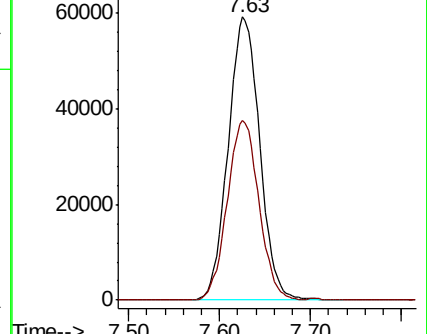
168 100

99 63.3 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 11.774 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062608.D

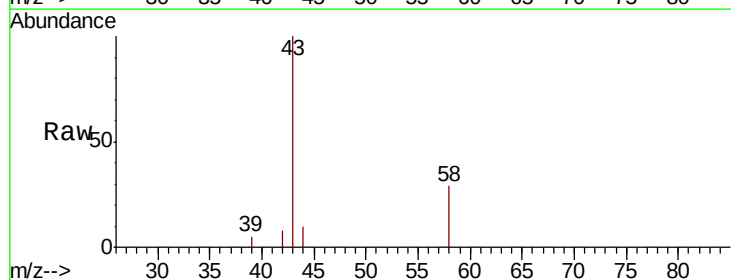
Acq: 27 Jul 2020 19:08

Tgt Ion: 43 Resp: 9845

Ion Ratio Lower Upper

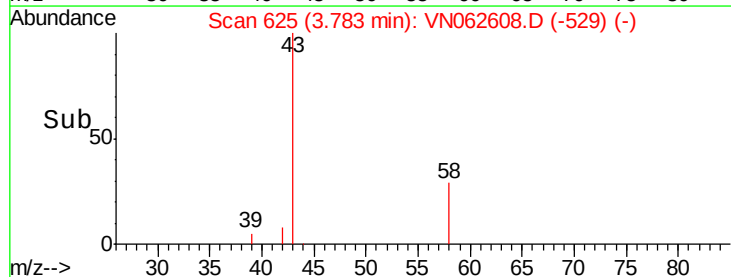
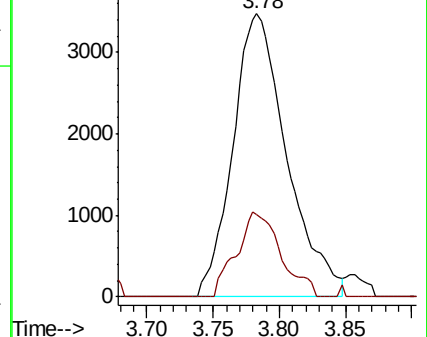
43 100

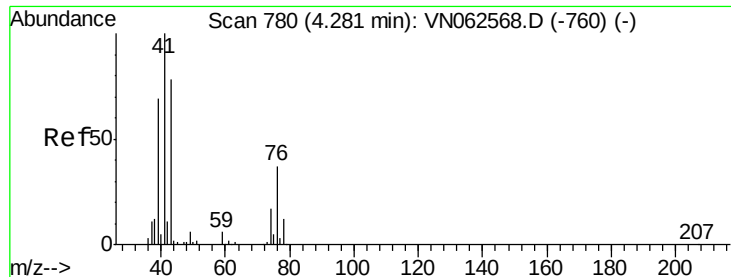
58 29.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

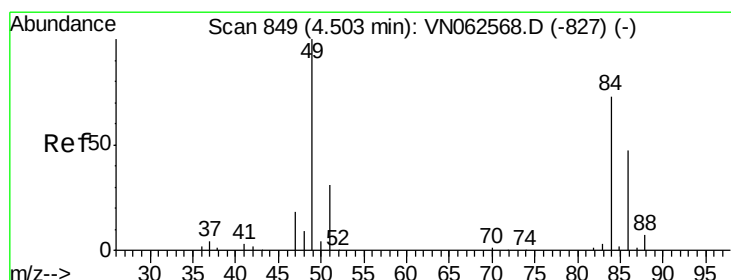
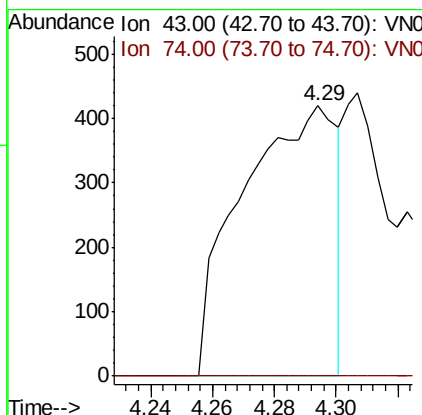
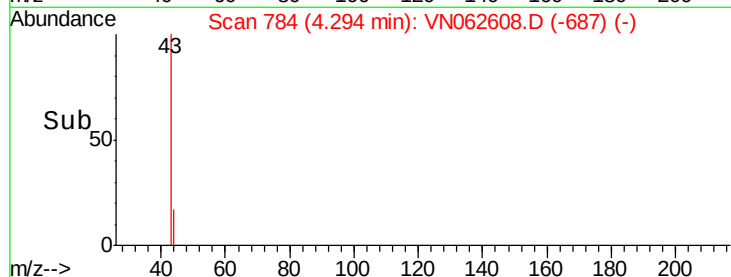
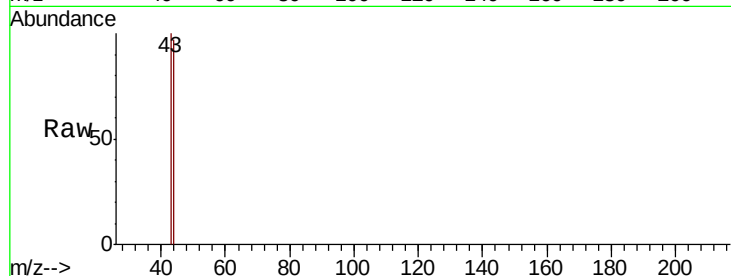




#18
Methyl Acetate
Concen: 0.421 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN062608.D
Acq: 27 Jul 2020 19:08

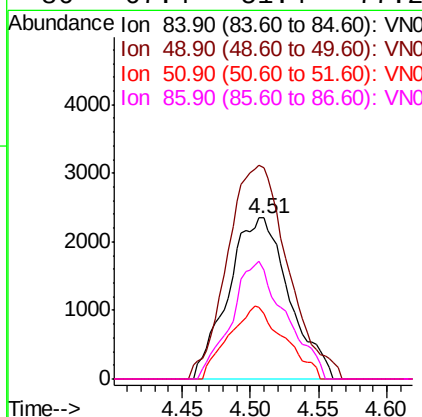
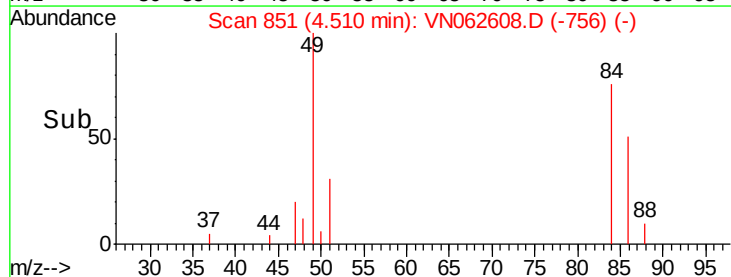
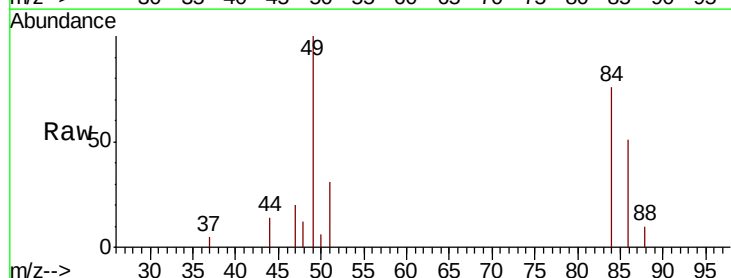
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#05

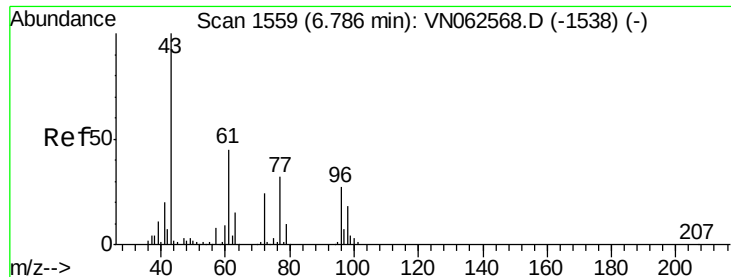
Tot Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.619 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN062608.D
Acq: 27 Jul 2020 19:08

Tgt Ion: 84 Resp: 7258
Ion Ratio Lower Upper
84 100
49 131.1 109.4 164.0
51 40.4 33.6 50.4
86 67.4 51.4 77.2





#25

2-Butanone

Concen: 0.773 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

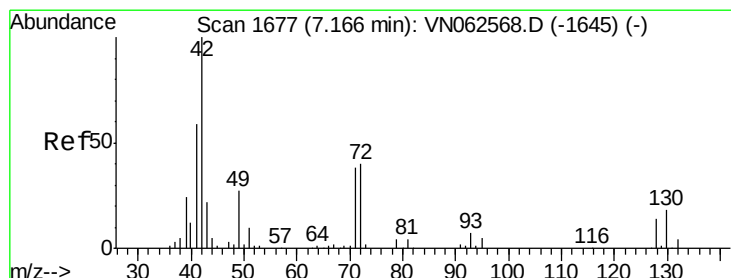
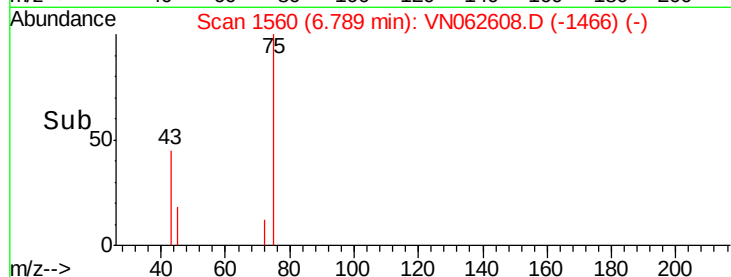
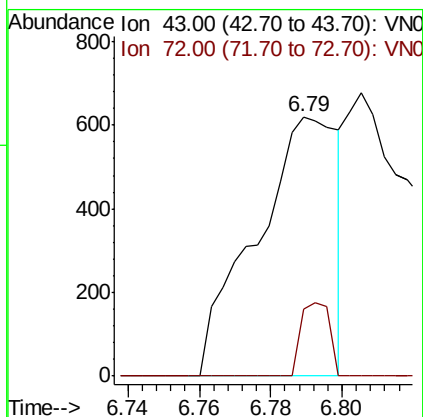
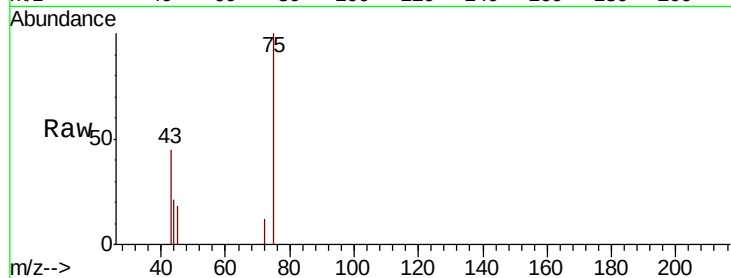
PB130485ZHE#05

Tot Ion: 43 Resp: 984

Ion Ratio Lower Upper

43 100

72 25.8 19.0 28.6



#29

Tetrahydrofuran

Concen: 0.407 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

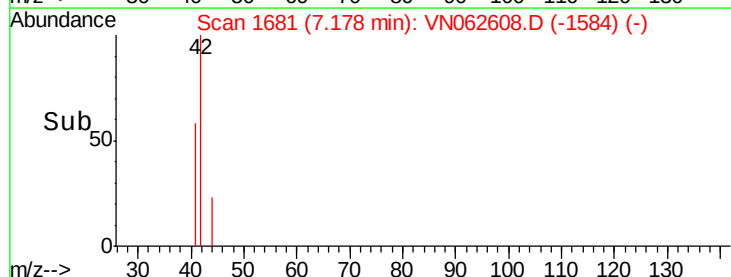
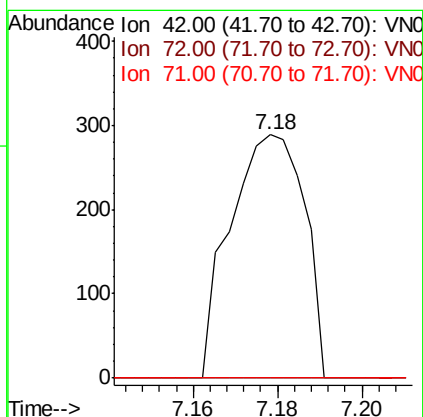
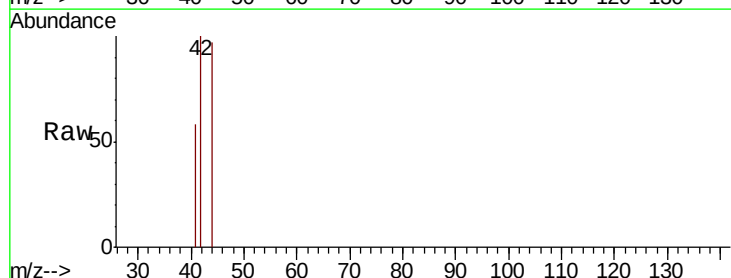
Tgt Ion: 42 Resp: 351

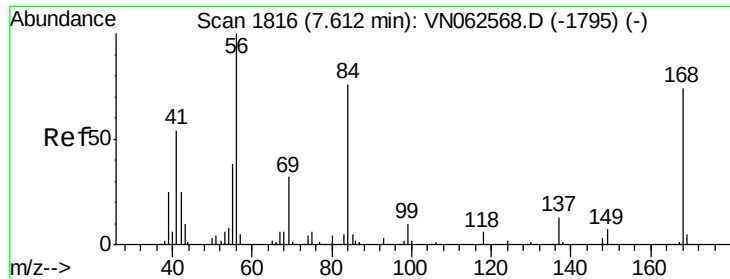
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 29.1 43.7#

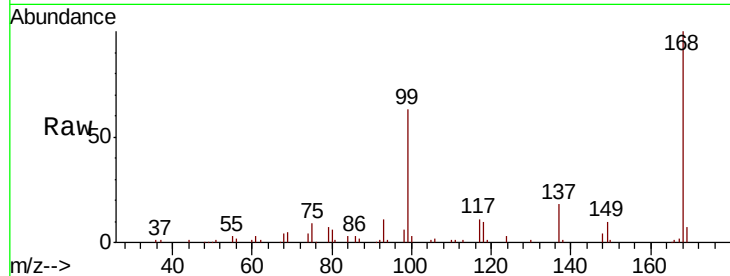




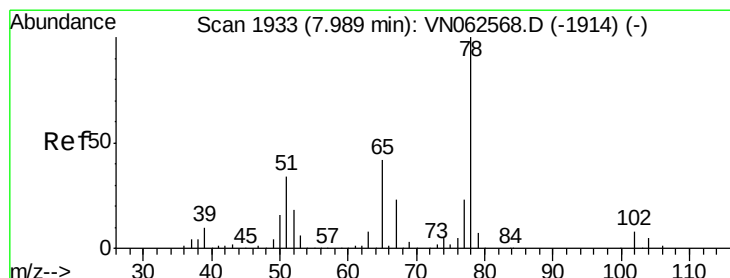
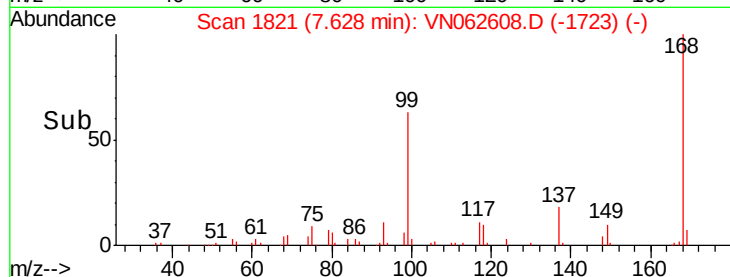
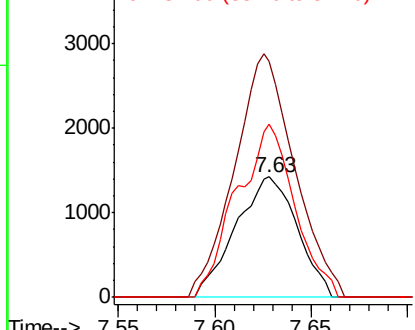
#31
Cyclohexane
Concen: 0.963 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062608.D
Acq: 27 Jul 2020 19:08

Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#05

Tot Ion: 56 Resp: 3153
Ion Ratio Lower Upper
56 100
69 195.6 25.3 37.9#
84 144.0 61.0 91.4#

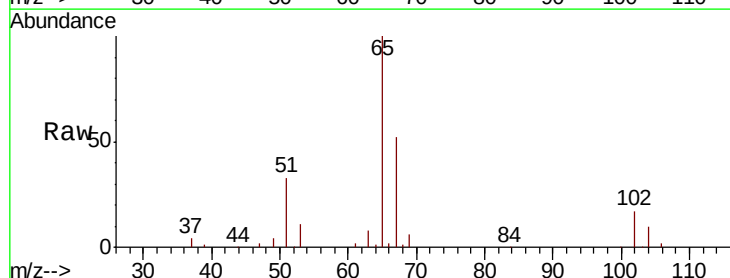


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

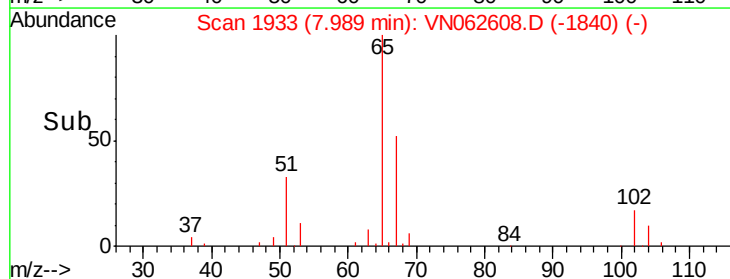
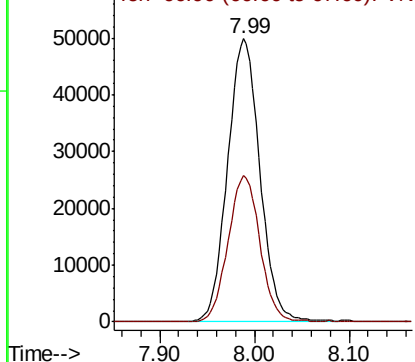


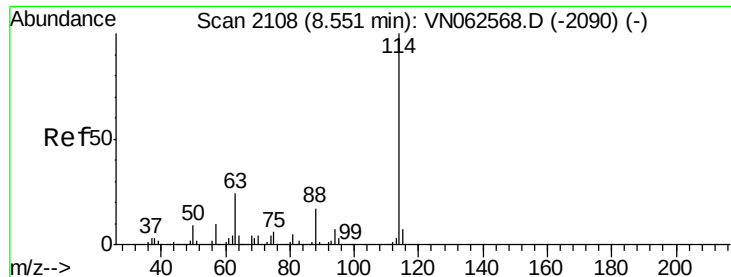
#33
1,2-Dichloroethane-d4
Concen: 53.359 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062608.D
Acq: 27 Jul 2020 19:08

Tgt Ion: 65 Resp: 118567
Ion Ratio Lower Upper
65 100
67 50.8 0.0 106.0



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

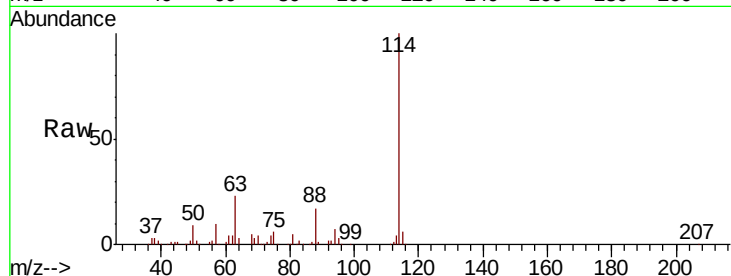




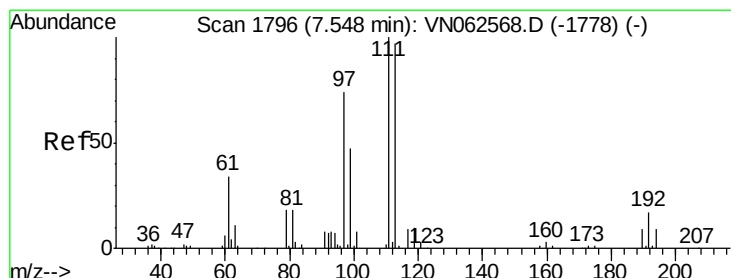
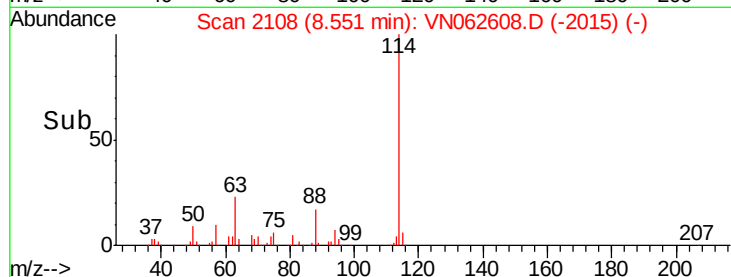
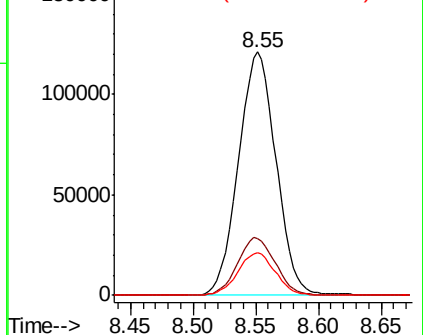
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Instrument :
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 PB130485ZHE#05

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	48.4
88	17.5	0.0	33.8

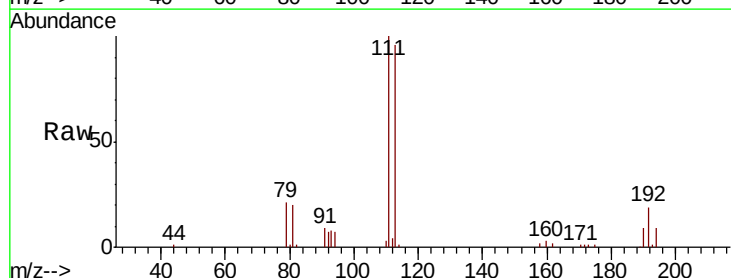


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

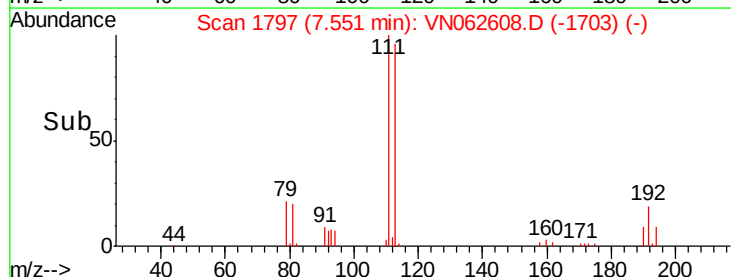
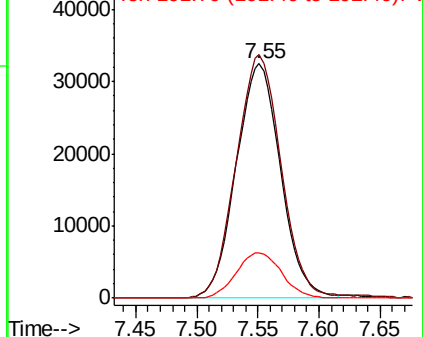


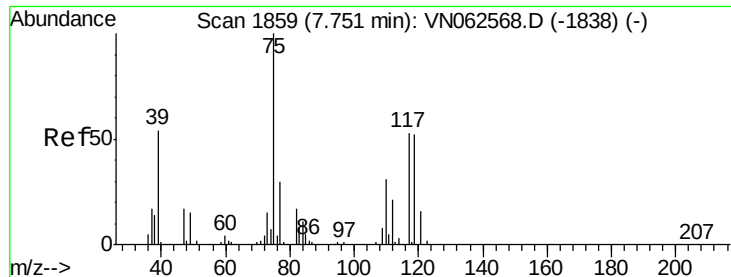
#35
 Dibromofluoromethane
 Concen: 49.439 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.7	124.1
192	19.6	14.8	22.2



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

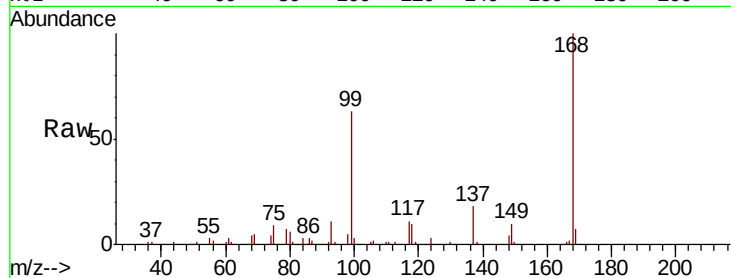




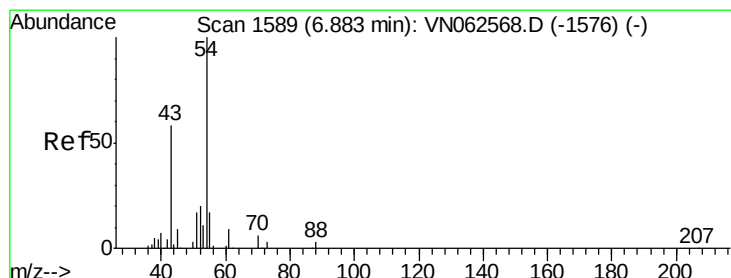
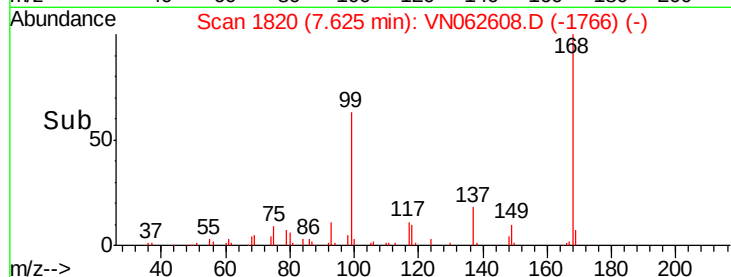
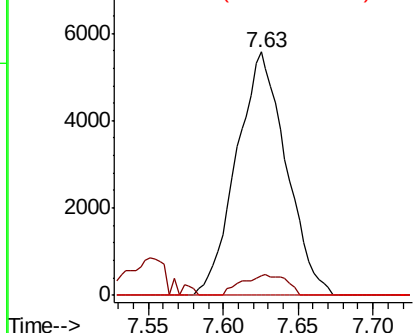
#36
 1,1-Dichloropropene
 Concen: 4.769 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Instrument :
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 PB130485ZHE#05

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.0	48.0#
77	0.0	24.6	36.8#

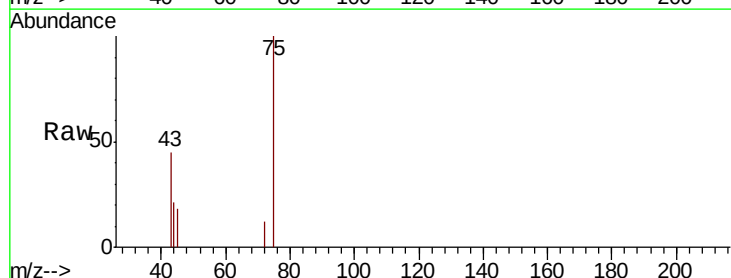


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

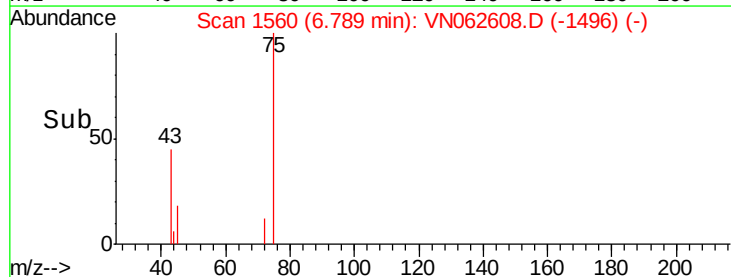
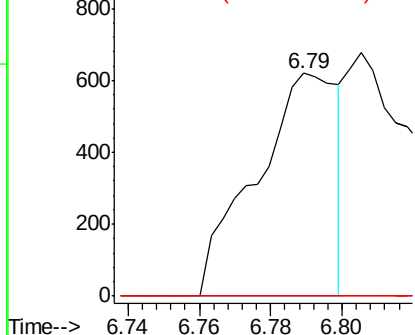


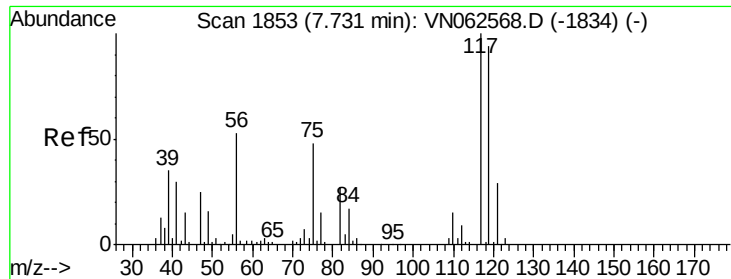
#37
 Ethyl Acetate
 Concen: 0.339 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.09 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	7.7	11.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 5.892 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#05

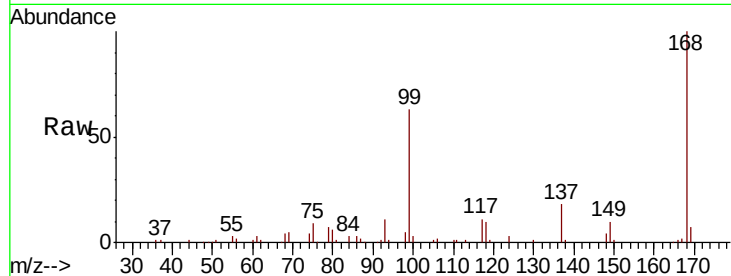
Tot Ion:117 Resp: 15235

Ion Ratio Lower Upper

117 100

119 8.7 74.8 112.2#

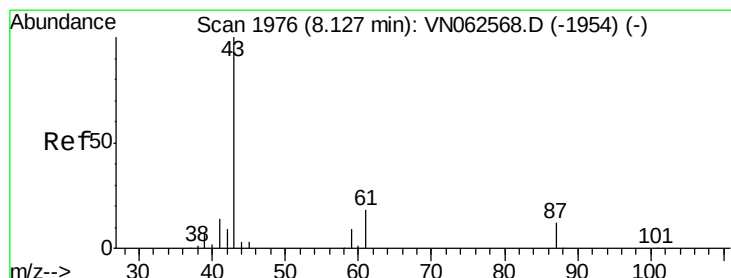
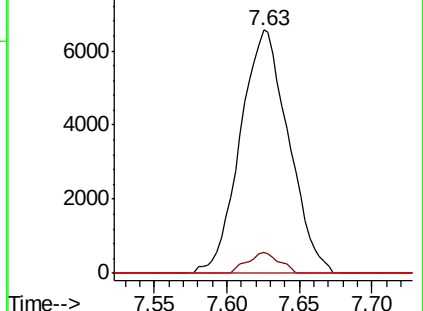
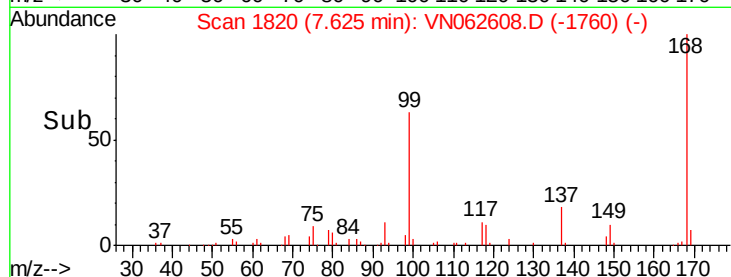
121 0.0 23.0 34.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.412 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

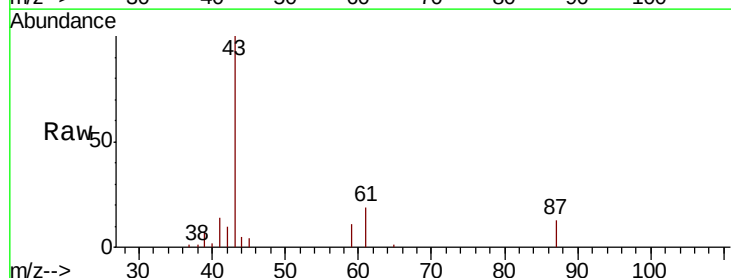
Tgt Ion: 43 Resp: 43998

Ion Ratio Lower Upper

43 100

61 18.9 20.8 31.2#

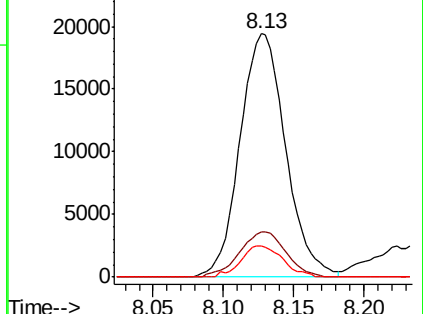
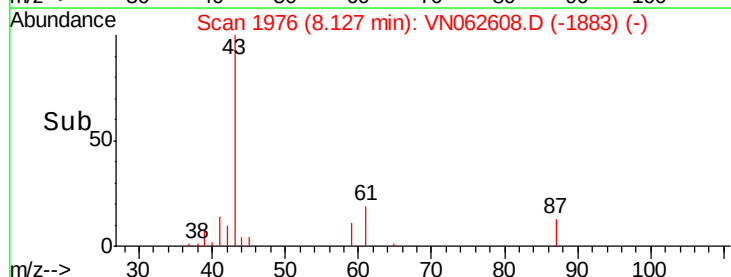
87 11.7 9.2 13.8

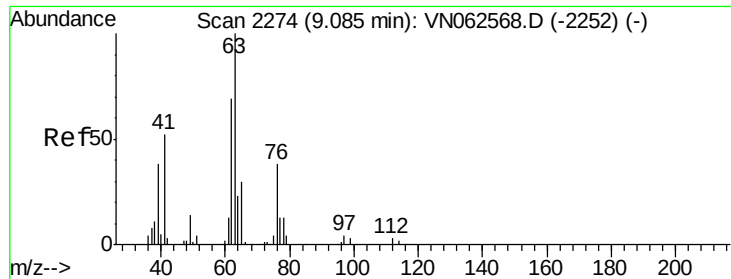


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

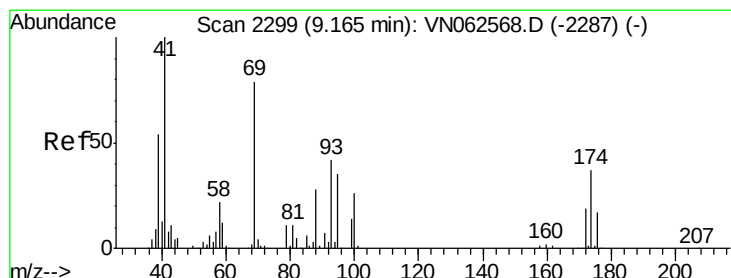
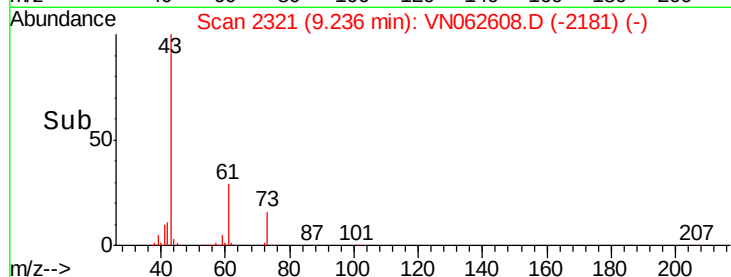
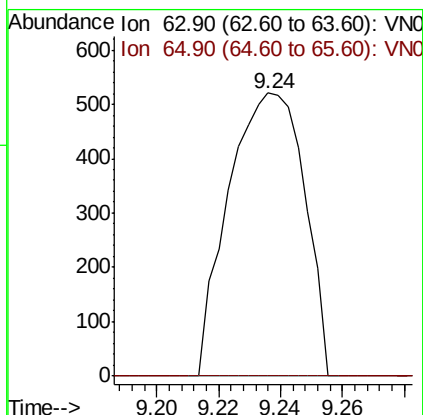
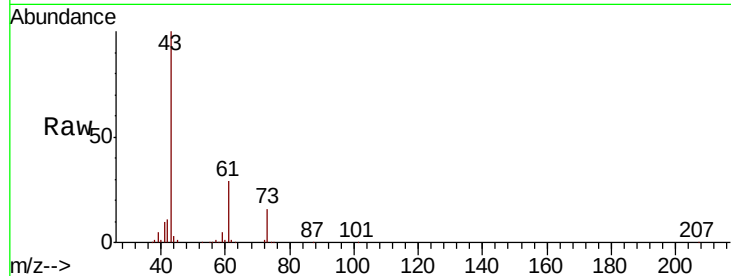




#45
 1,2-Dichloropropane
 Concen: 0.387 ug/l
 RT: 9.24 min Scan# 2321
 Delta R.T. 0.15 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

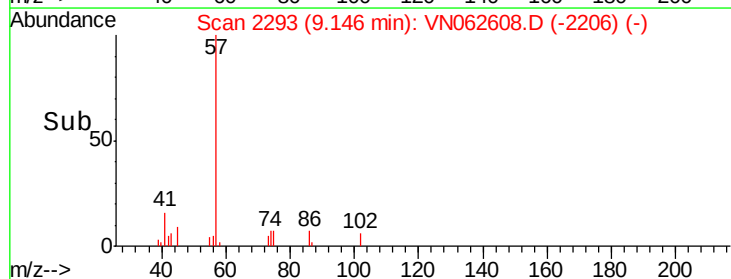
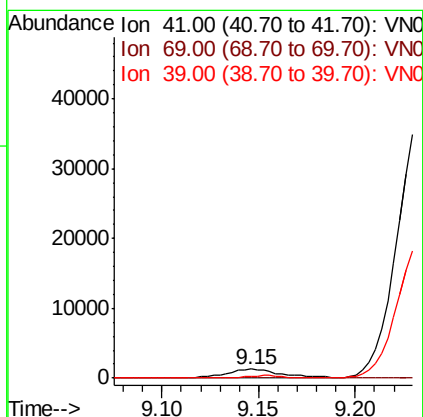
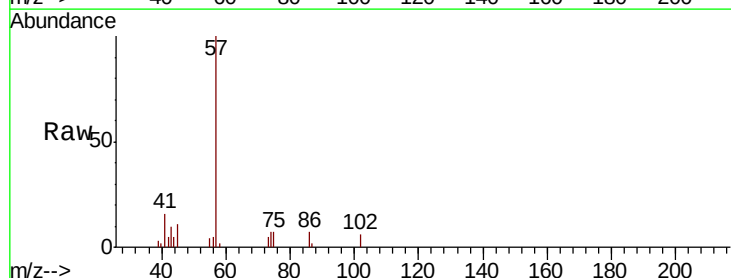
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#05

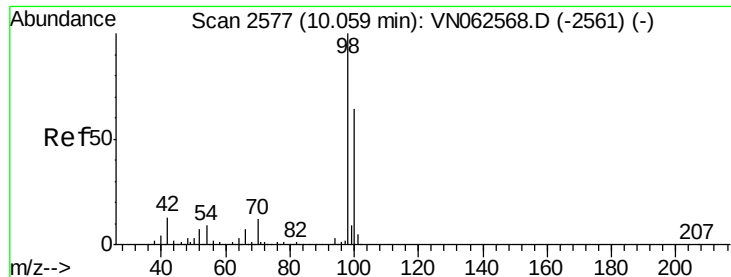
Tot Ion: 63 Resp: 886
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.4 36.6#



#48
 Methyl methacrylate
 Concen: 1.130 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. -0.02 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Tgt Ion: 41 Resp: 2511
 Ion Ratio Lower Upper
 41 100
 69 0.0 64.4 96.6#
 39 0.0 43.5 65.3#

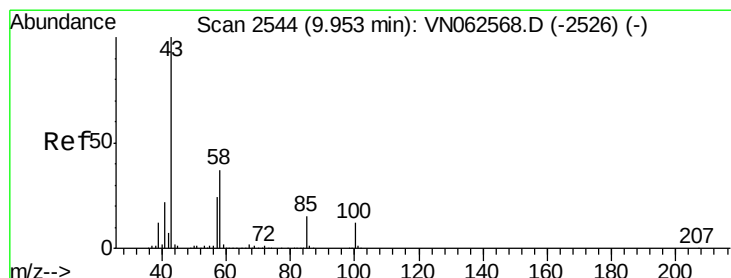
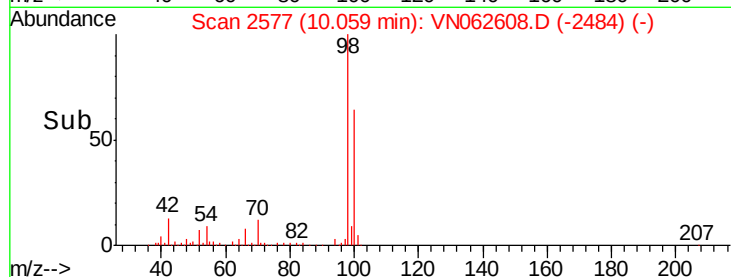
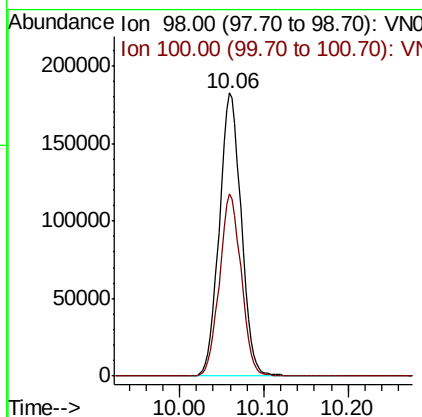
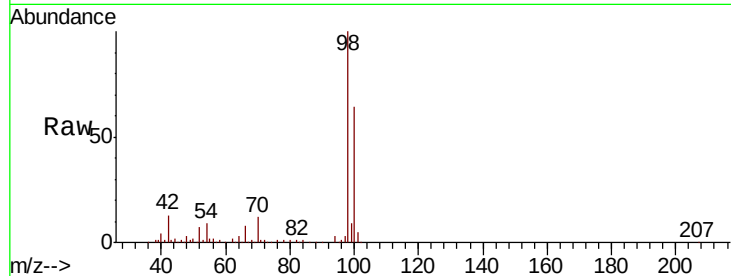




#50
Toluene-d8
Concen: 49.883 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062608.D
Acq: 27 Jul 2020 19:08

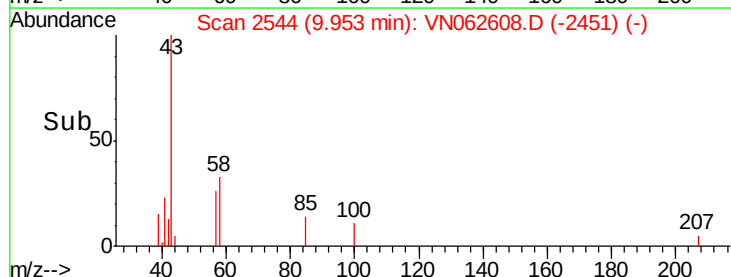
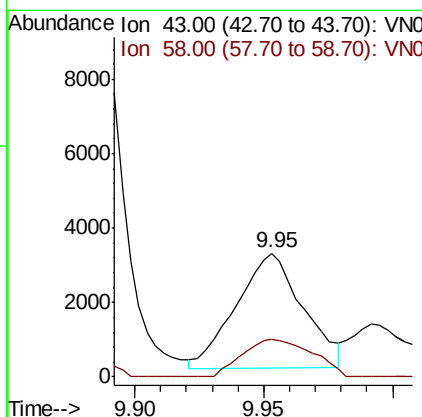
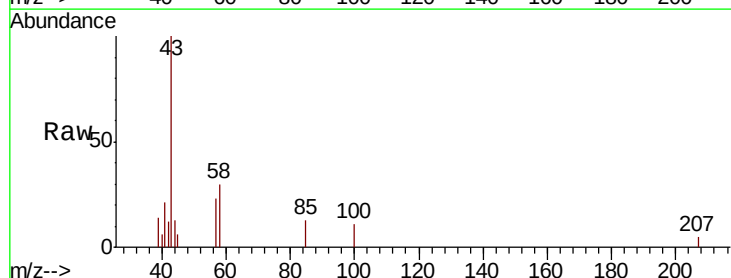
Instrument :
MSVOA_N
ClientSampleId :
PB130485ZHE#05

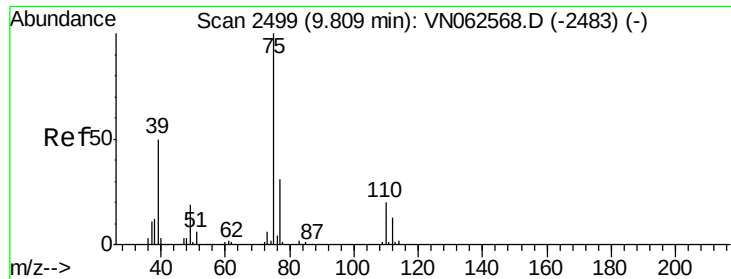
Tot Ion: 98 Resp: 329933
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 1.982 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062608.D
Acq: 27 Jul 2020 19:08

Tgt Ion: 43 Resp: 5544
Ion Ratio Lower Upper
43 100
58 34.6 29.8 44.6





#54

cis-1,3-Dichloropropene

Concen: 5.453 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#05

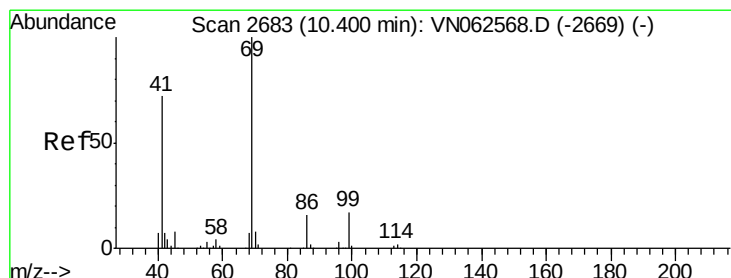
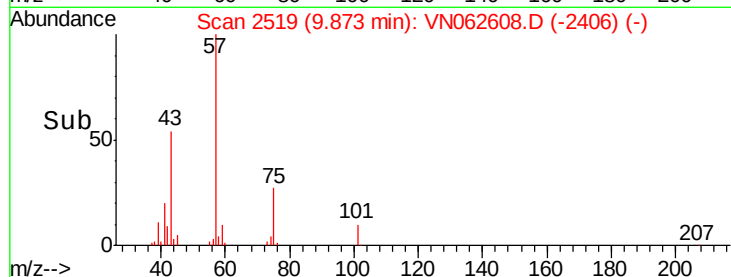
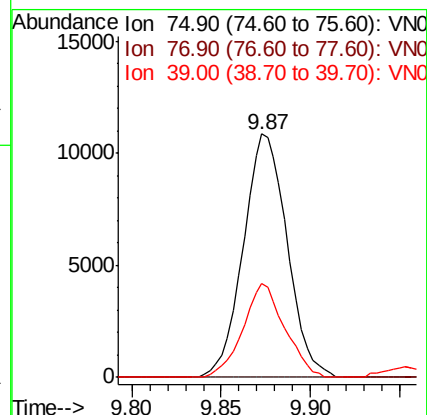
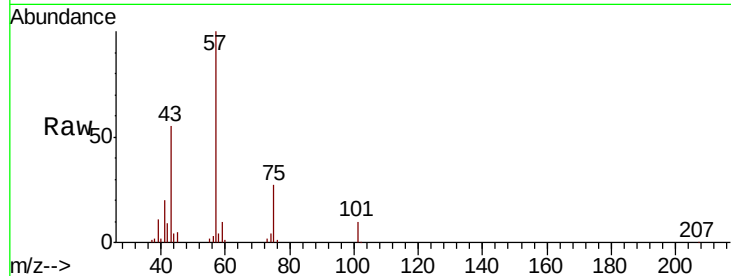
Tot Ion: 75 Resp: 18648

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.6#

39 38.6 39.8 59.8#



#56

Ethyl methacrylate

Concen: 1.955 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

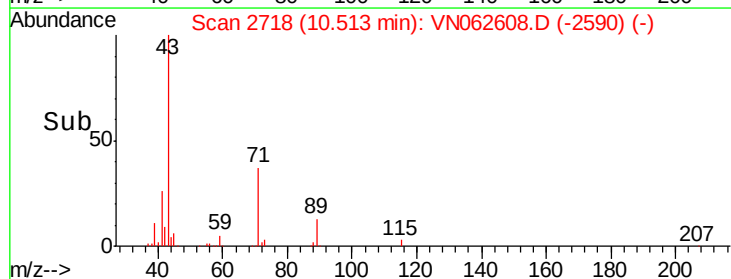
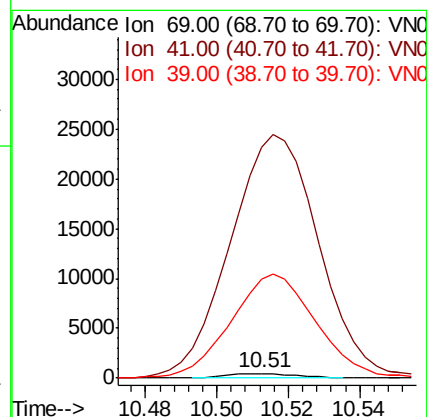
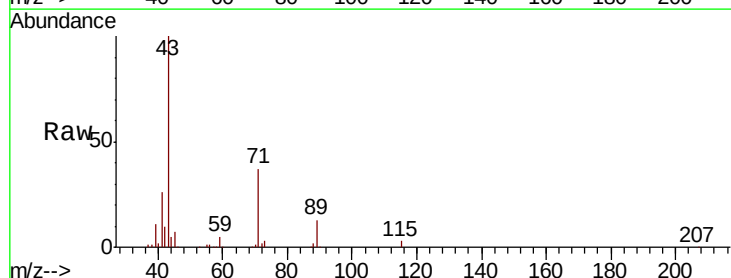
Tgt Ion: 69 Resp: 634

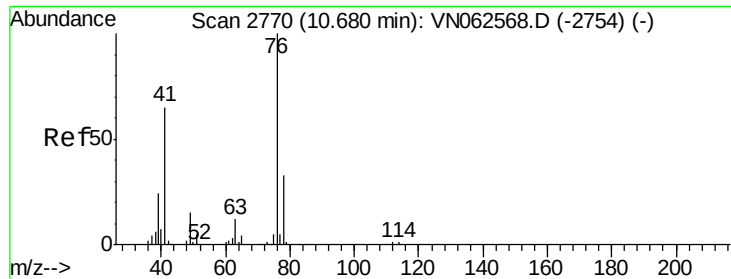
Ion Ratio Lower Upper

69 100

41 6655.5 57.2 85.8#

39 2728.7 28.6 43.0#

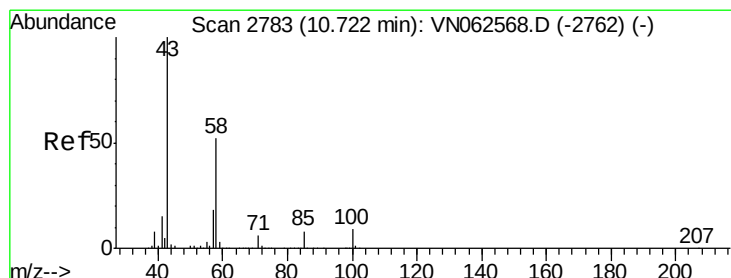
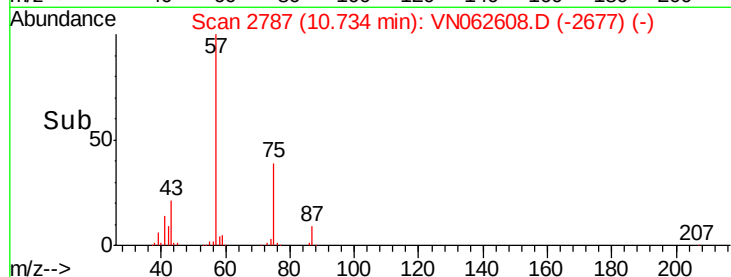
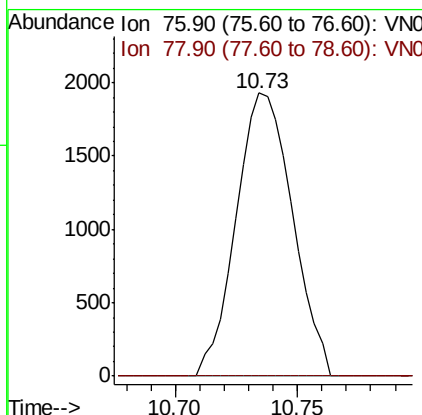
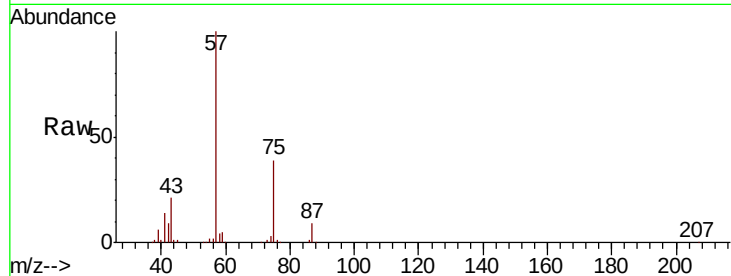




#57
 1,3-Dichloropropane
 Concen: 0.920 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

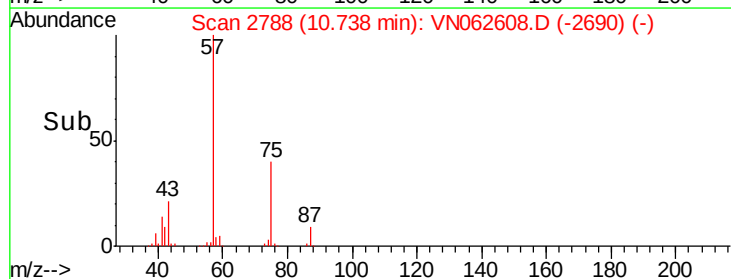
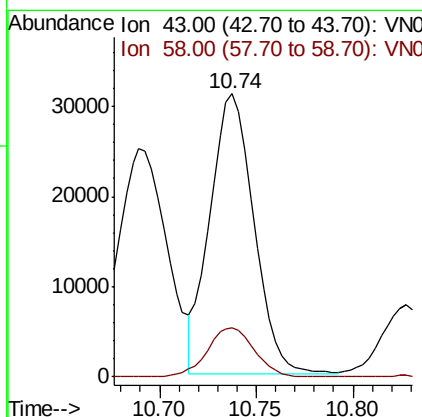
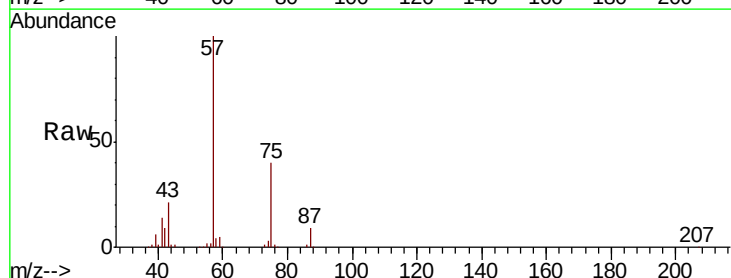
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#05

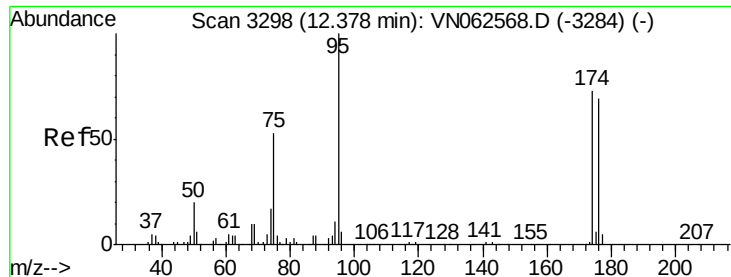
Tot Ion: 76 Resp: 3092
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 25.402 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.02 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Tgt Ion: 43 Resp: 49126
 Ion Ratio Lower Upper
 43 100
 58 18.8 26.0 78.0#

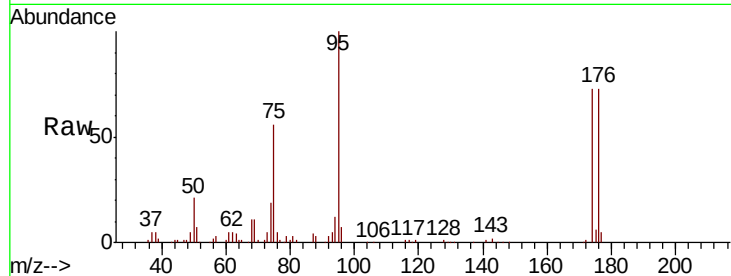




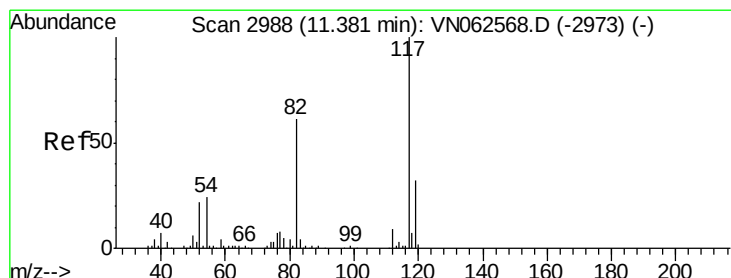
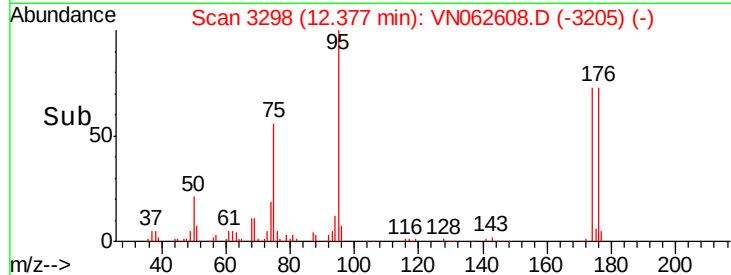
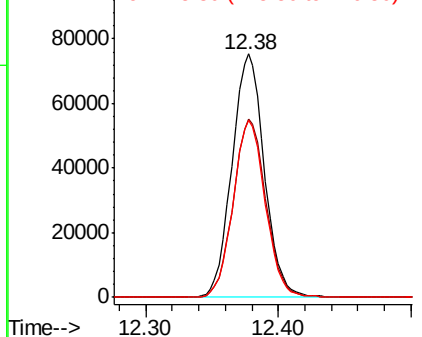
#62
 4-Bromofluorobenzene
 Concen: 52.629 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#05

Tot Ion: 95 Resp: 127277
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 144.6
 176 72.2 0.0 139.4

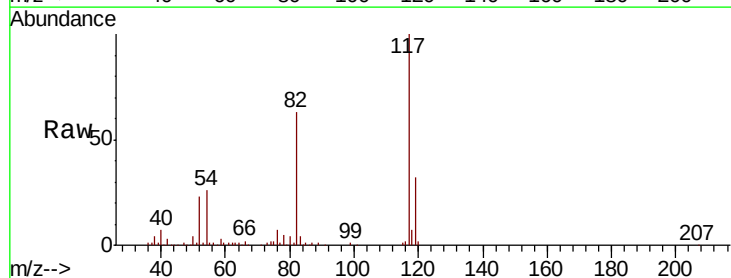


Abundance Ion 94.90 (94.60 to 95.60): VN062608.D (-3284) (-)
 Ion 173.80 (173.50 to 174.50): VN062608.D (-3284) (-)
 Ion 175.80 (175.50 to 176.50): VN062608.D (-3284) (-)

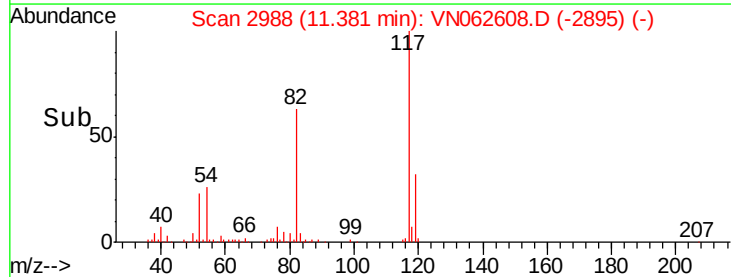
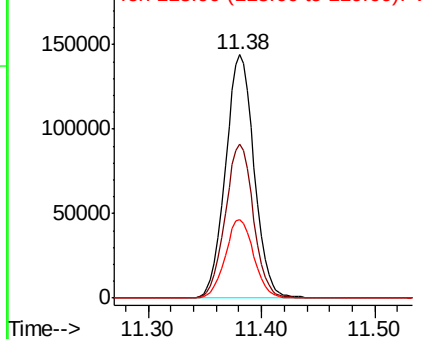


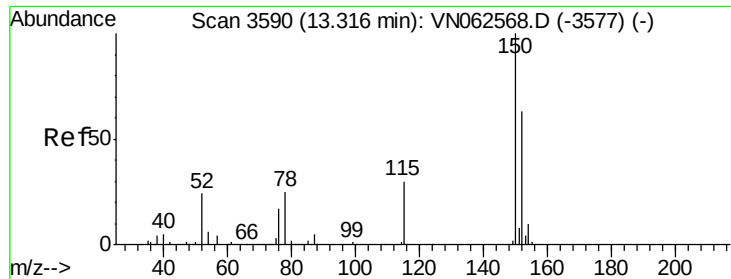
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Tgt Ion: 117 Resp: 253222
 Ion Ratio Lower Upper
 117 100
 82 63.3 49.0 73.6
 119 32.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN062608.D (-2973) (-)
 Ion 82.00 (81.70 to 82.70): VN062608.D (-2973) (-)
 Ion 118.90 (118.60 to 119.60): VN062608.D (-2973) (-)

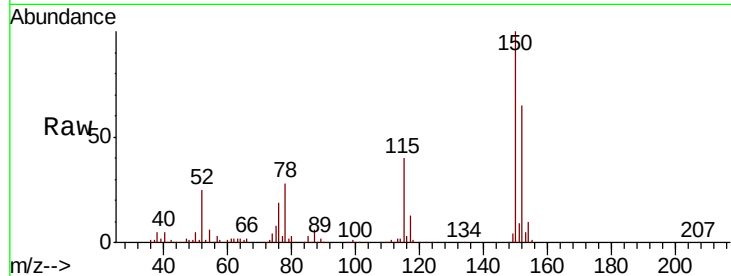




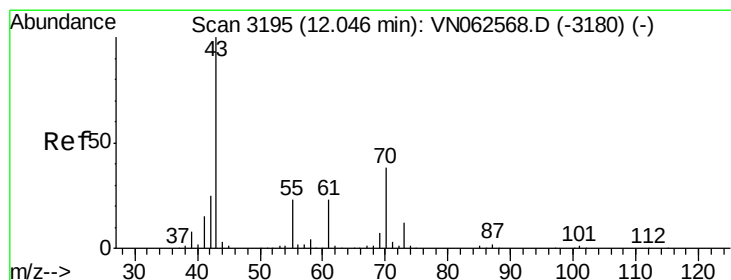
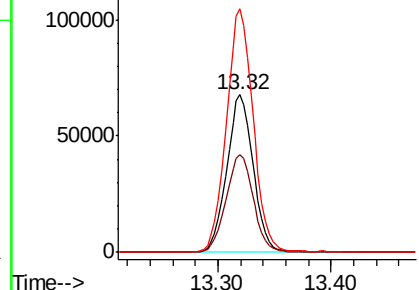
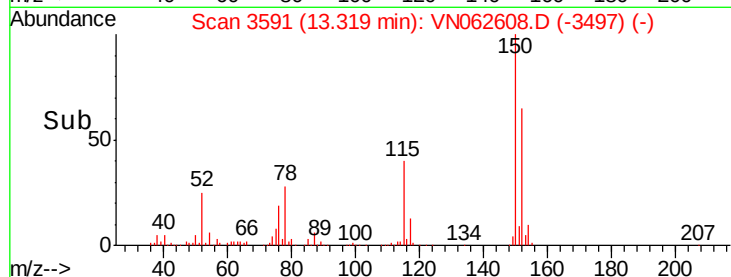
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130485ZHE#05

Tot Ion:152 Resp: 109972
 Ion Ratio Lower Upper
 152 100
 115 63.9 31.8 95.4
 150 156.1 0.0 351.4

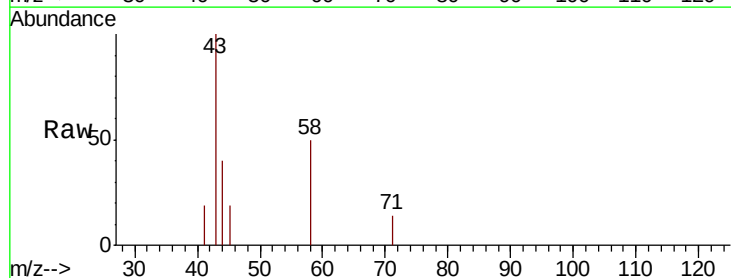


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

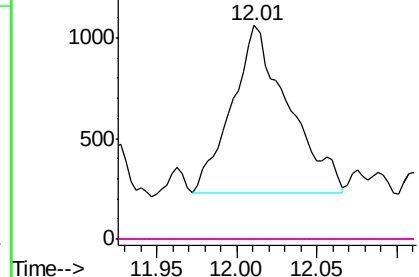
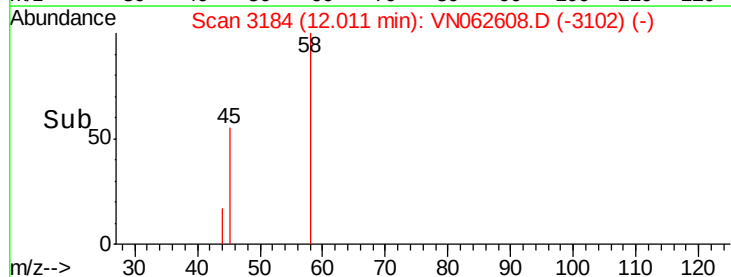


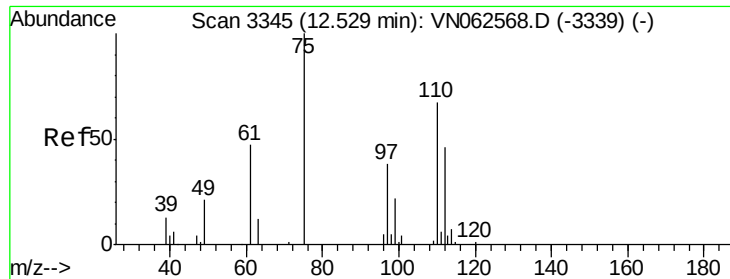
#74
 N-ethyl acetate
 Concen: 0.522 ug/l
 RT: 12.01 min Scan# 3184
 Delta R.T. -0.04 min
 Lab File: VN062608.D
 Acq: 27 Jul 2020 19:08

Tgt Ion: 43 Resp: 2029
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.5 45.7#
 55 0.0 19.0 28.6#
 61 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 70.00 (69.70 to 70.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 25.403 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

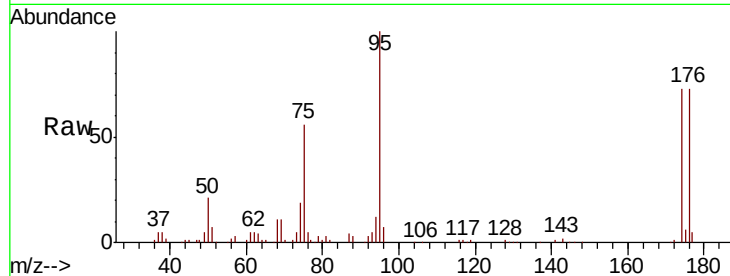
PB130485ZHE#05

Tot Ion: 75 Resp: 71107

Ion Ratio Lower Upper

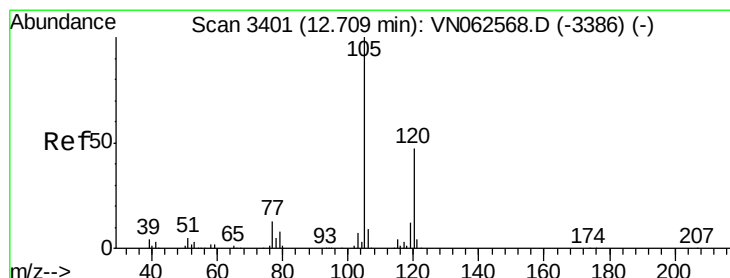
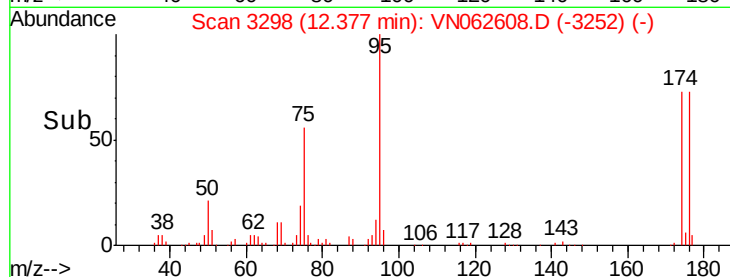
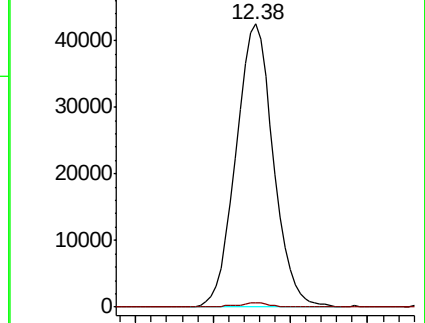
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN062608.D (-3298) (-)

Ion 77.00 (76.70 to 77.70): VN062608.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.274 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062608.D

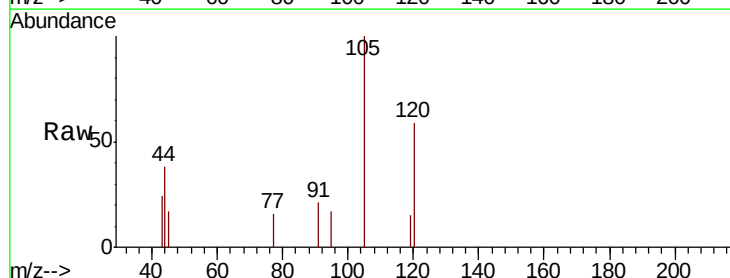
Acq: 27 Jul 2020 19:08

Tgt Ion:105 Resp: 1978

Ion Ratio Lower Upper

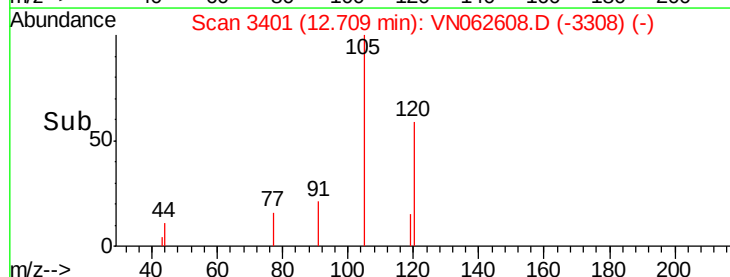
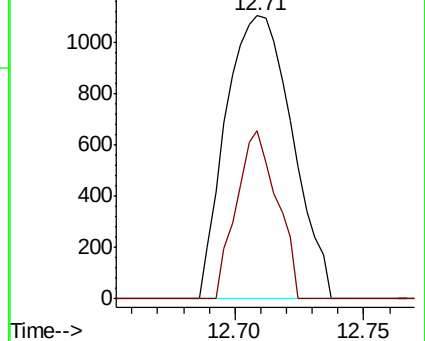
105 100

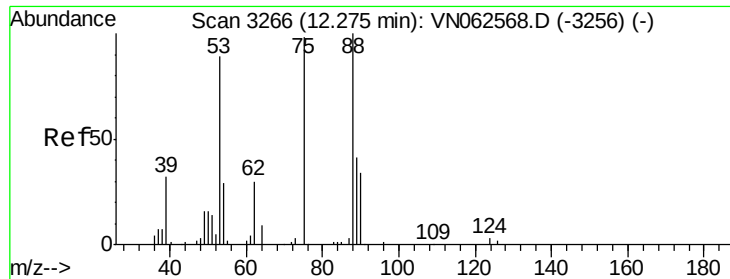
120 36.2 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062608.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062608.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 70.715 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

Instrument :

MSVOA_N

ClientSampleId :

PB130485ZHE#05

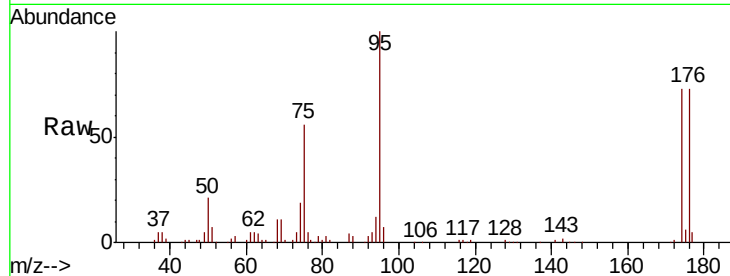
Tot Ion: 75 Resp: 71107

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

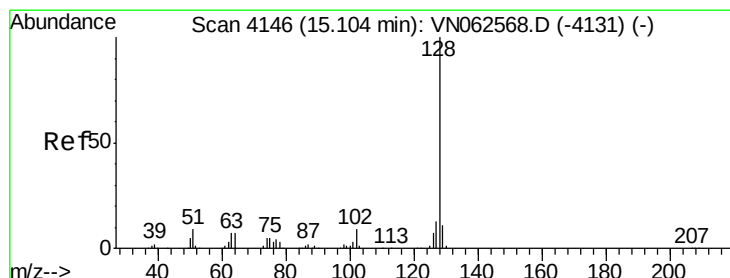
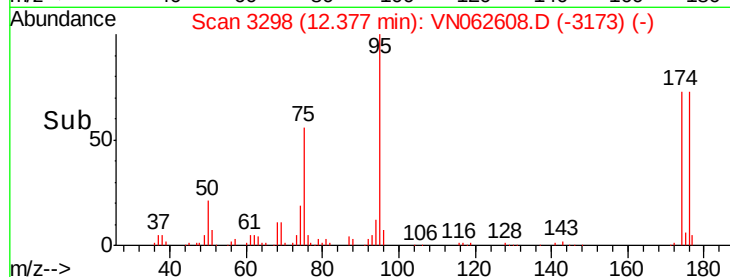
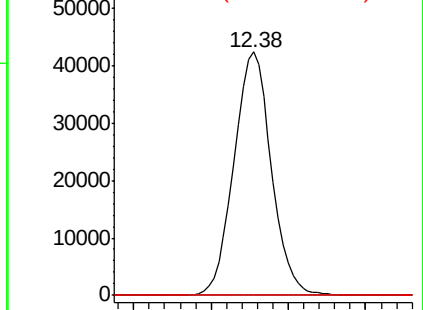
89 0.0 34.5 51.7#



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



#95

Naphthalene

Concen: 3.802 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062608.D

Acq: 27 Jul 2020 19:08

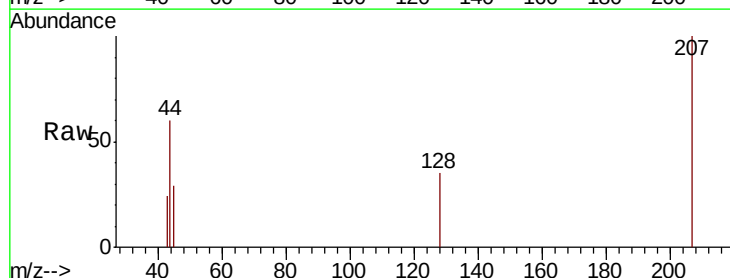
Tgt Ion: 128 Resp: 217

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

