

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062220.D
 Acq On : 30 Jun 2020 5:24
 Operator : JC/MD
 Sample : PB129816ZHE#05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816ZHE#05

Quant Time: Jun 30 06:38:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	203156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137316	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	155966	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
35) Dibromofluoromethane	7.55	113	128395	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	10.06	98	528200	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.38	95	171226	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	

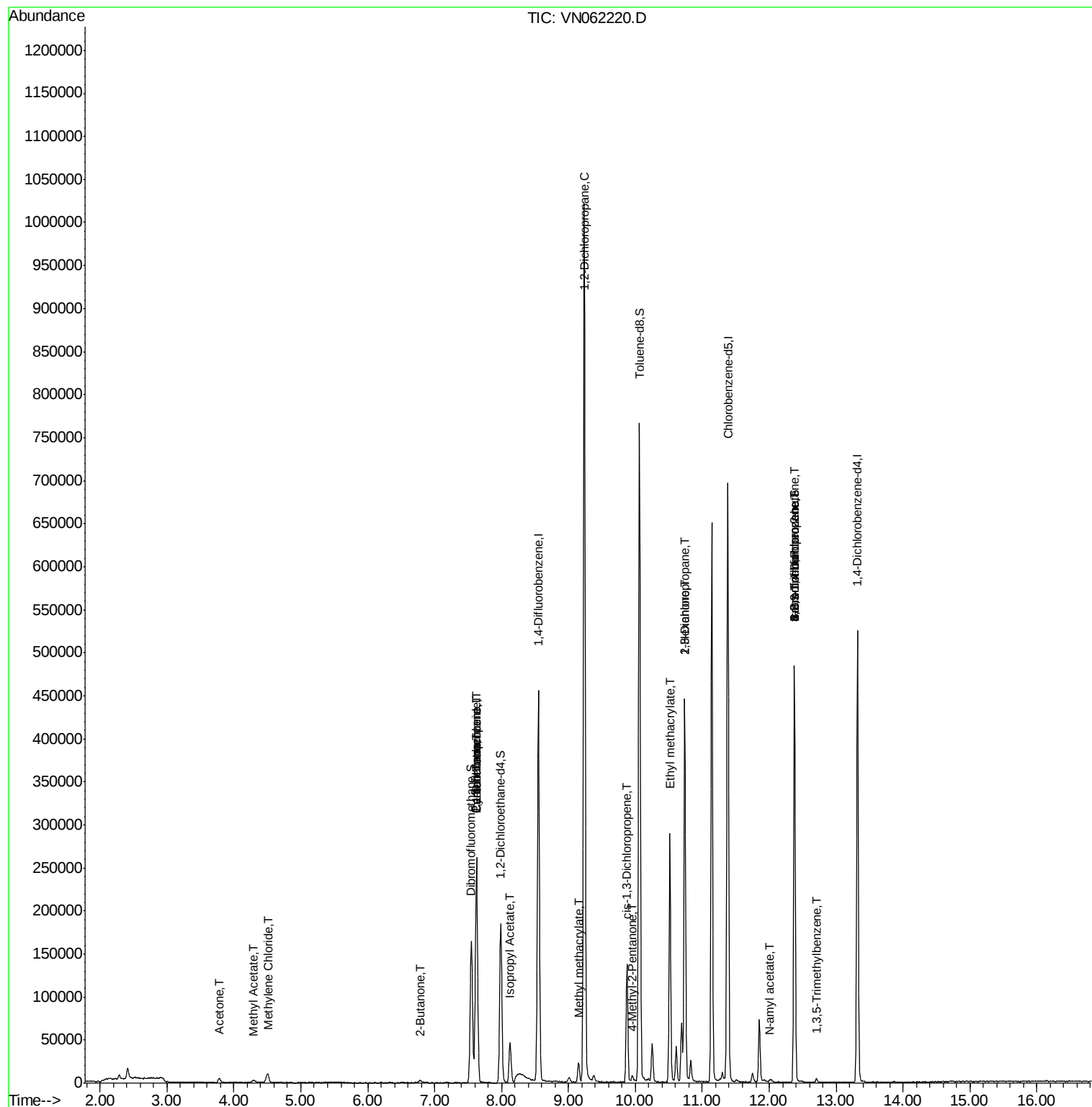
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	222	Below Cal	#	41
16) Acetone	3.78	43	7895	4.850	ug/l	88
18) Methyl Acetate	4.29	43	4540	2.003	ug/l #	67
20) Methylene Chloride	4.50	84	4678	1.578	ug/l	97
25) 2-Butanone	6.79	43	2436	1.748	ug/l	96
31) Cyclohexane	7.62	56	5086	1.291	ug/l #	21
36) 1,1-Dichloropropene	7.62	75	17771	4.434	ug/l #	48
38) Carbon Tetrachloride	7.63	117	20685	5.474	ug/l #	16
43) Isopropyl Acetate	8.13	43	51892	9.591	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1189	0.395	ug/l #	43
48) Methyl methacrylate	9.15	41	3123	1.287	ug/l #	6
51) 4-Methyl-2-Pentanone	9.95	43	4520	1.430	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	25299	5.235	ug/l #	66
56) Ethyl methacrylate	10.52	69	1207	0.309	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	4889	0.969	ug/l #	42
59) 2-Hexanone	10.74	43	59551	26.089	ug/l #	51
71) Bromoform	12.37	173	736	0.337	ug/l #	1
74) N-amyl acetate	12.01	43	2630	3.970	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	86693	26.819	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	2725	0.316	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	86693	78.321	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062220.D

Acq: 30 Jun 2020 5:24

Instrument :

MSVOA_N

ClientSampleId :

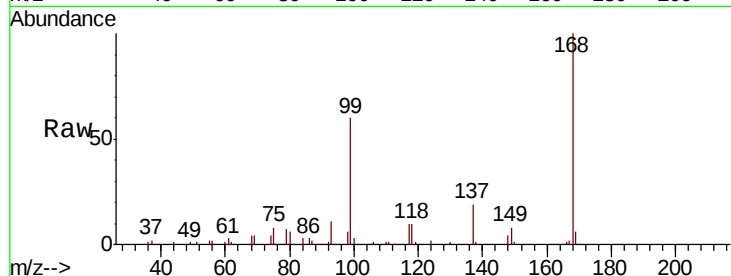
PB129816ZHE#05

Tot Ion:168 Resp: 203156

Ion Ratio Lower Upper

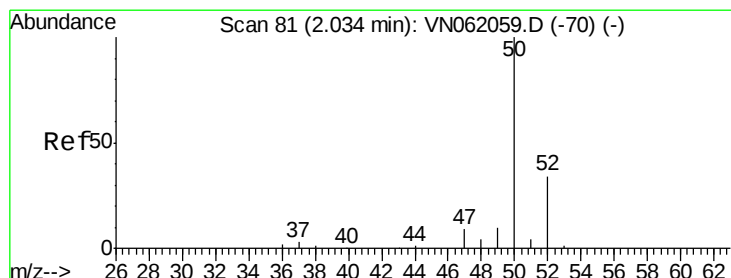
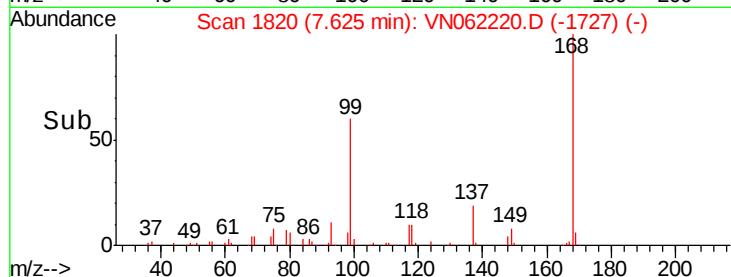
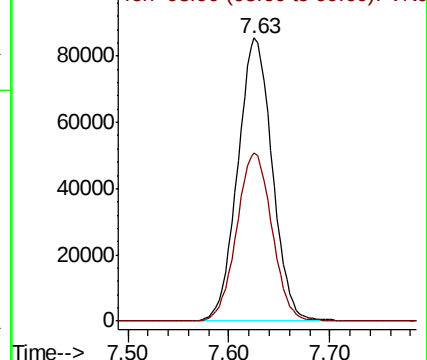
168 100

99 59.6 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062220.D

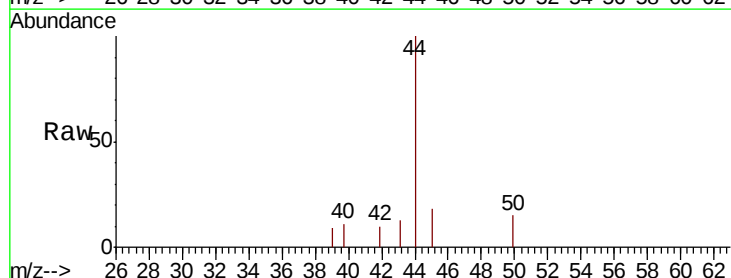
Acq: 30 Jun 2020 5:24

Tgt Ion: 50 Resp: 222

Ion Ratio Lower Upper

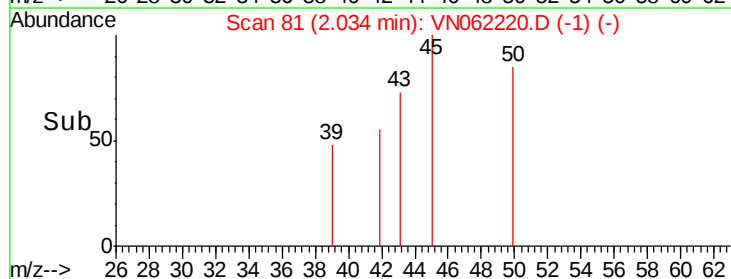
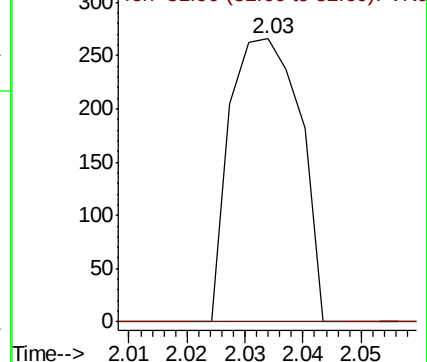
50 100

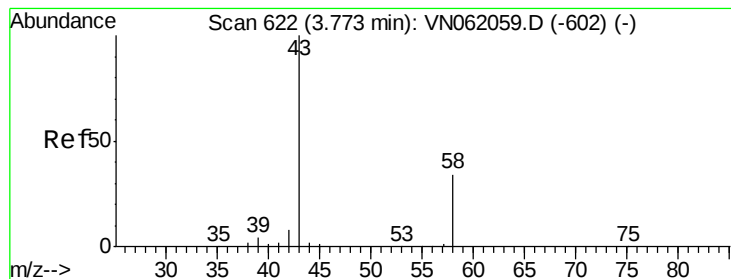
52 0.0 27.0 40.6#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 4.850 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062220.D

Acq: 30 Jun 2020 5:24

Instrument :

MSVOA_N

ClientSampleId :

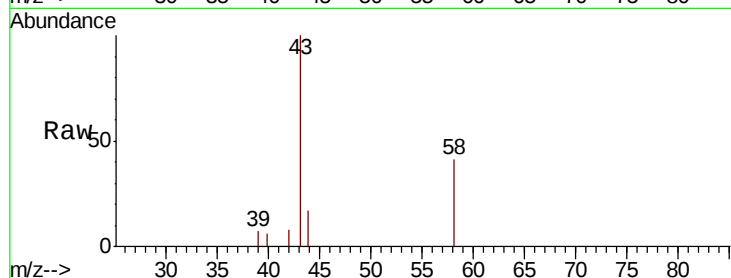
PB129816ZHE#05

Tot Ion: 43 Resp: 7895

Ion Ratio Lower Upper

43 100

58 41.1 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN062059.D (-602) (-)

3.78

3000

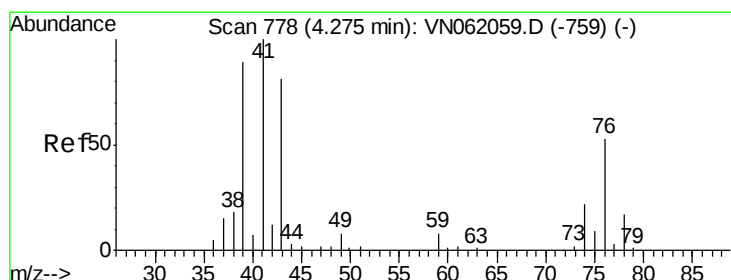
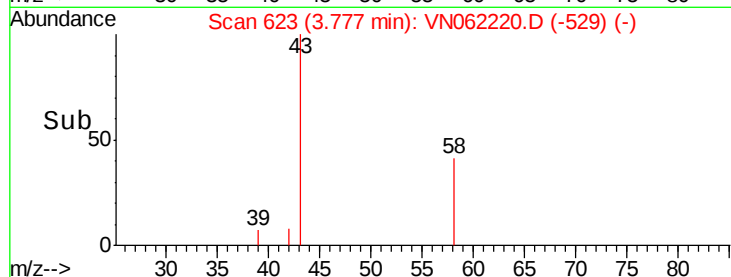
2000

1000

0

Time-->

3.70 3.75 3.80 3.85



#18

Methyl Acetate

Concen: 2.003 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN062220.D

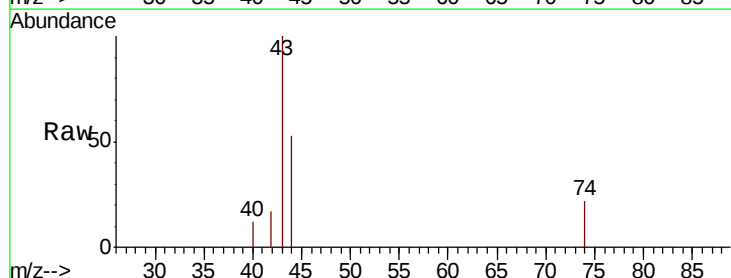
Acq: 30 Jun 2020 5:24

Tgt Ion: 43 Resp: 4540

Ion Ratio Lower Upper

43 100

74 11.3 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN062059.D (-759) (-)

4.29

1500

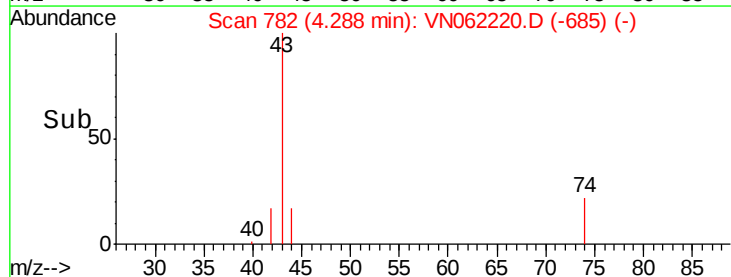
1000

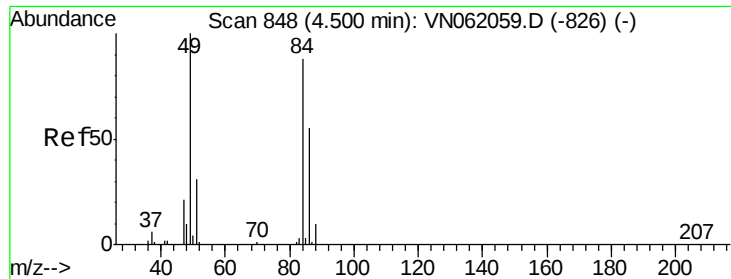
500

0

Time-->

4.20 4.25 4.30 4.35

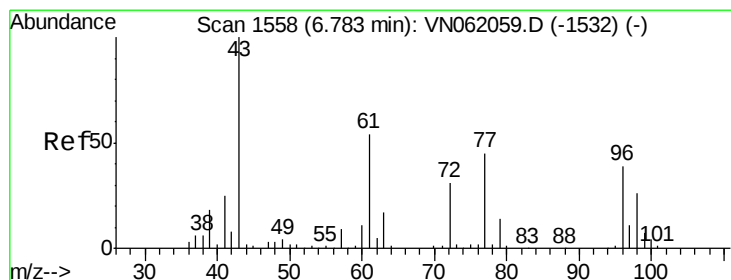
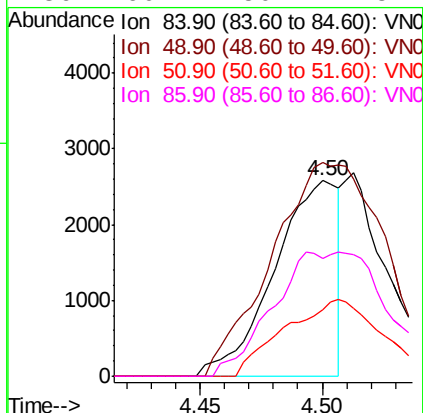
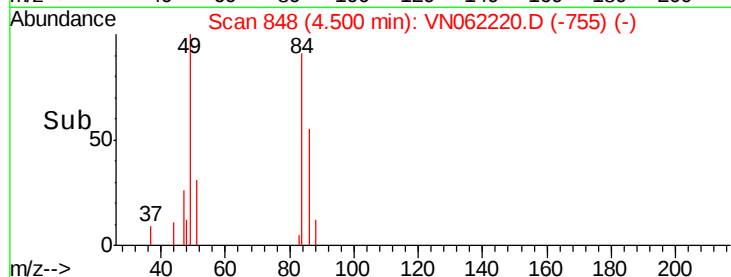
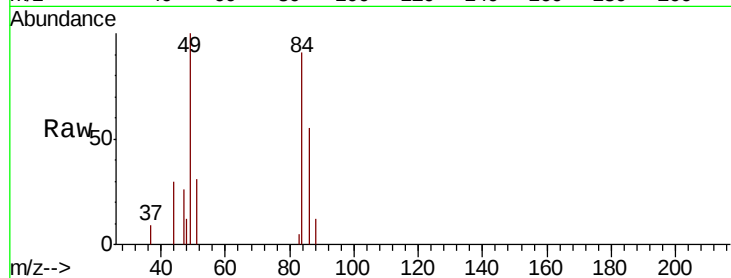




#20
Methvlene Chloride
Concen: 1.578 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

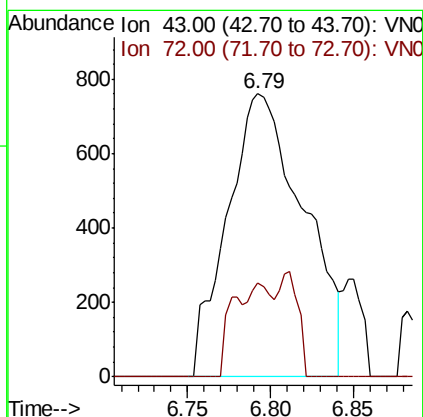
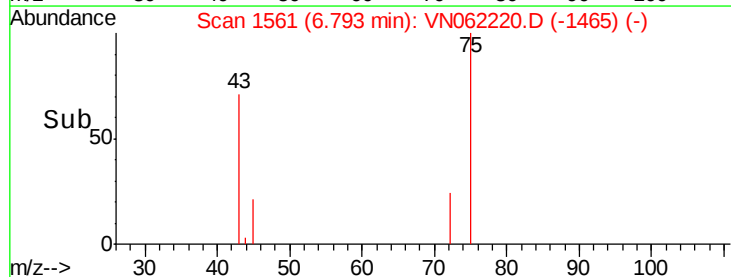
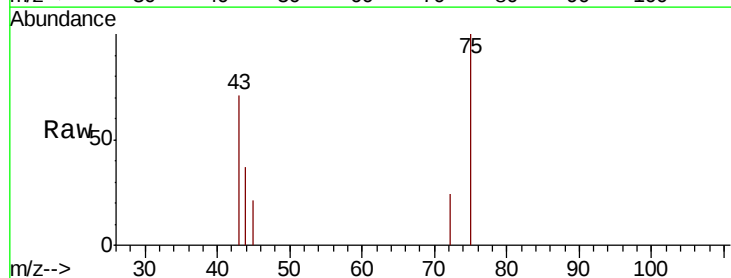
Instrument :
MSVOA_N
ClientSampleId :
PB129816ZHE#05

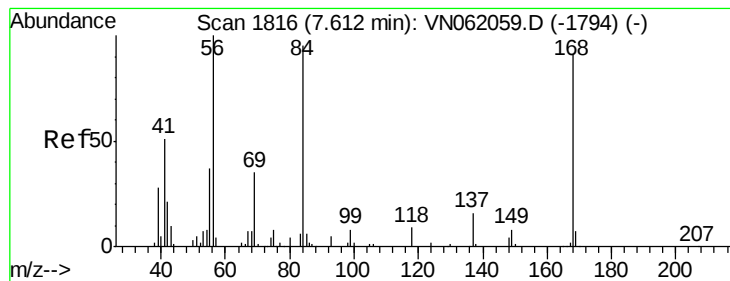
Tot Ion:	84	Resp:	4678
Ion	Ratio	Lower	Upper
84	100		
49	109.3	90.6	136.0
51	33.9	27.8	41.8
86	60.4	50.1	75.1



#25
2-Butanone
Concen: 1.748 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.01 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Tgt Ion:	43	Resp:	2436
Ion	Ratio	Lower	Upper
43	100		
72	33.1	24.8	37.2





#31

Cyclohexane

Concen: 1.291 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062220.D

Acq: 30 Jun 2020 5:24

Instrument :

MSVOA_N

ClientSampleId :

PB129816ZHE#05

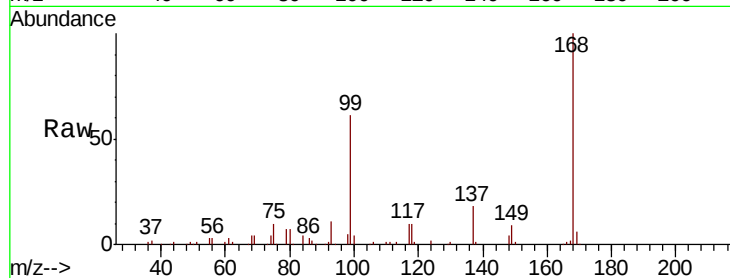
Tot Ion: 56 Resp: 5086

Ion Ratio Lower Upper

56 100

69 153.2 28.0 42.0#

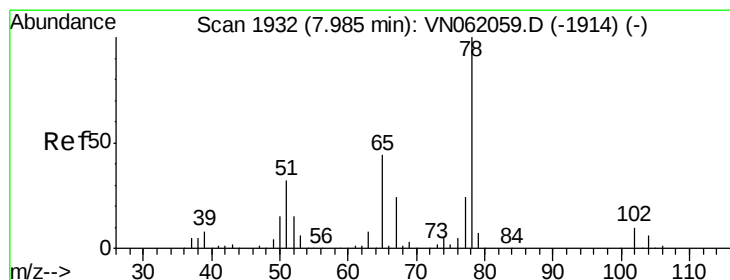
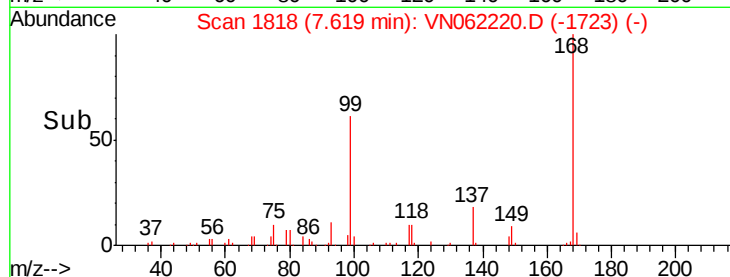
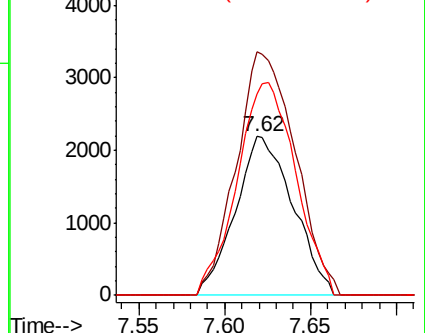
84 127.0 76.1 114.1#



Abundance Ion 56.00 (55.70 to 56.70): VN062220.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062220.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062220.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.706 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062220.D

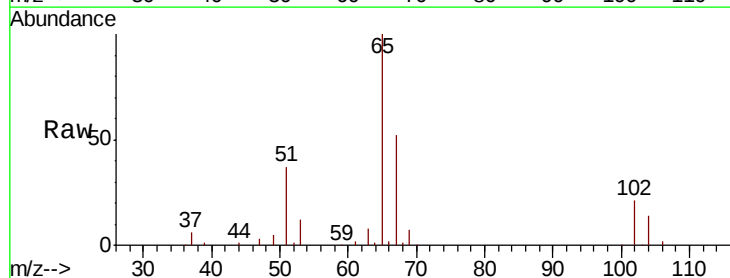
Acq: 30 Jun 2020 5:24

Tgt Ion: 65 Resp: 155966

Ion Ratio Lower Upper

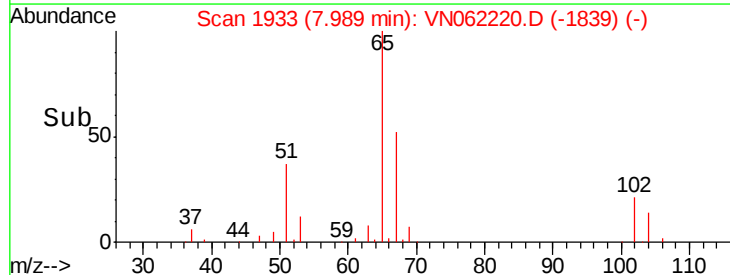
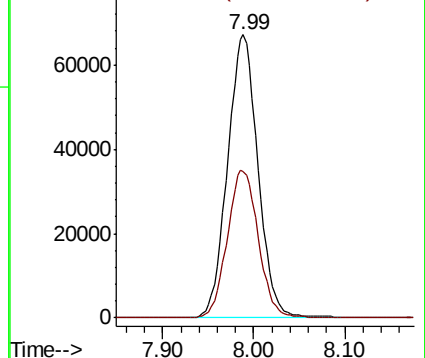
65 100

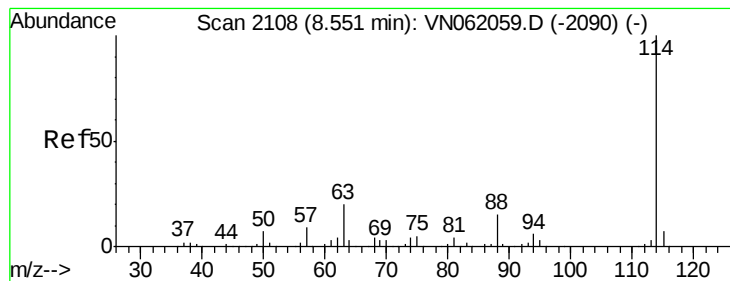
67 53.0 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062220.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062220.D (-1839) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062220.D

Acq: 30 Jun 2020 5:24

Instrument :

MSVOA_N

ClientSampleId :

PB129816ZHE#05

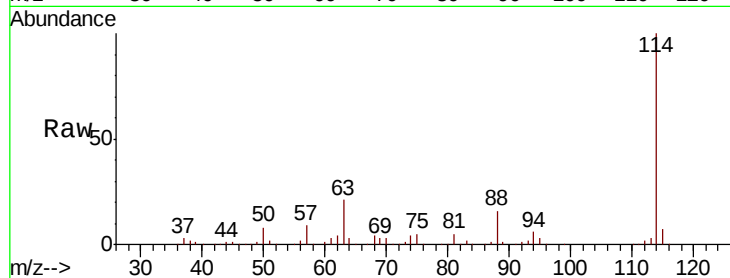
Tot Ion:114 Resp: 398759

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.2

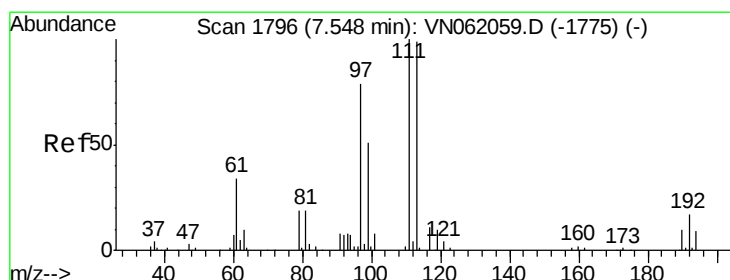
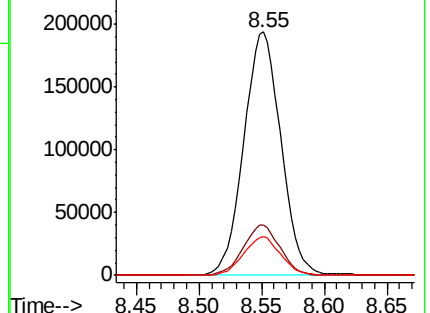
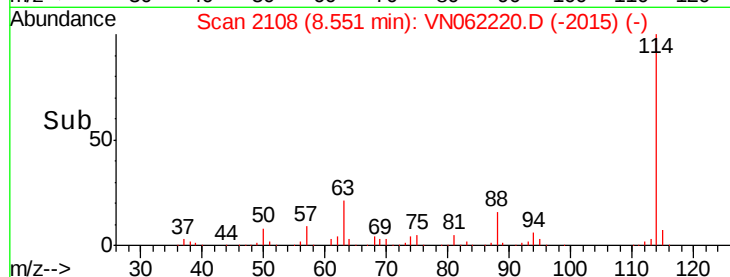
88 15.9 0.0 30.8



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: 50.189 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062220.D

Acq: 30 Jun 2020 5:24

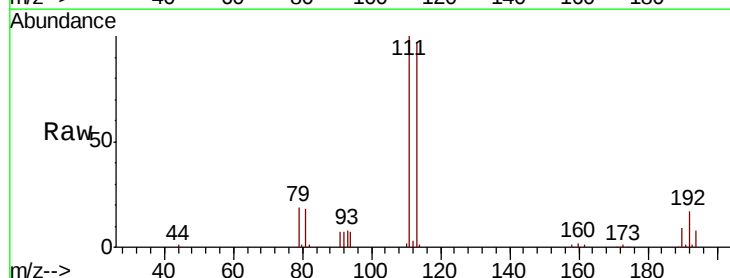
Tgt Ion:113 Resp: 128395

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

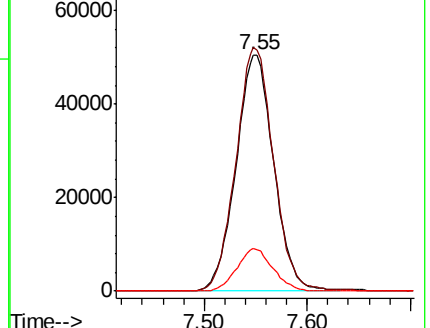
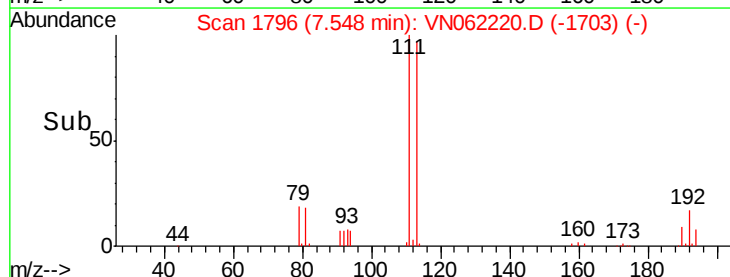
192 17.1 14.0 21.0

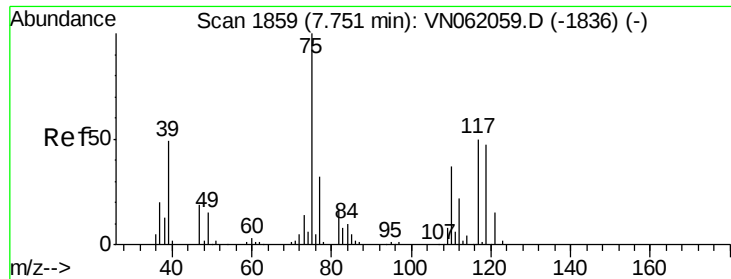


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

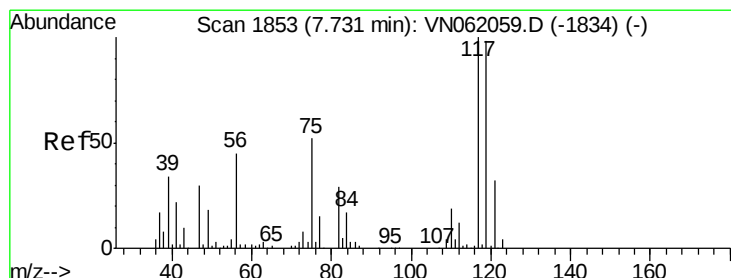
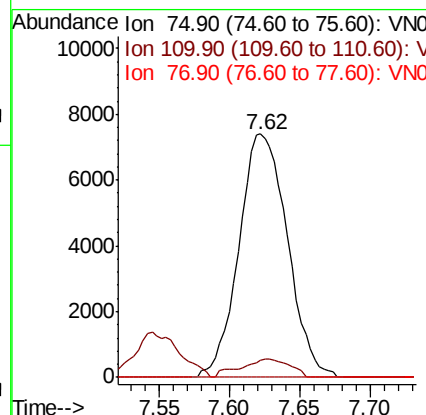
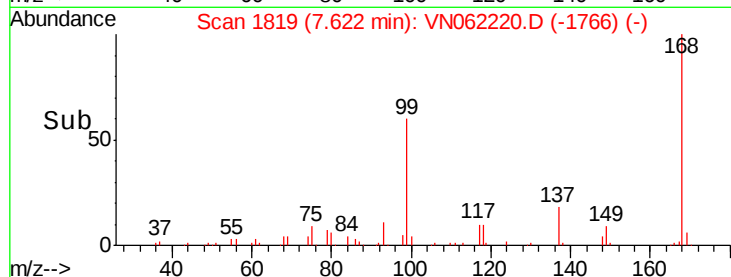
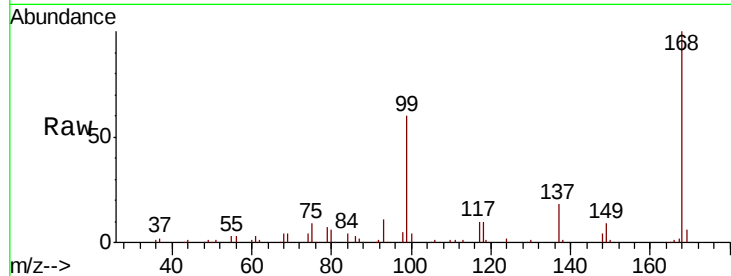




#36
 1,1-Dichloropropene
 Concen: 4.434 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062220.D
 Acq: 30 Jun 2020 5:24

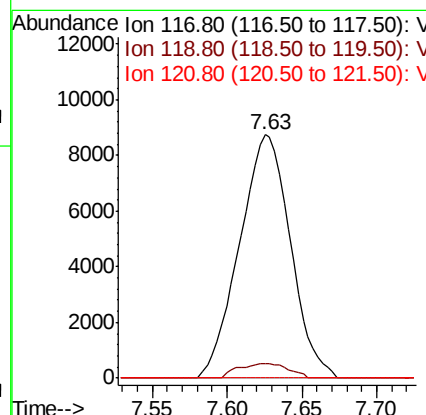
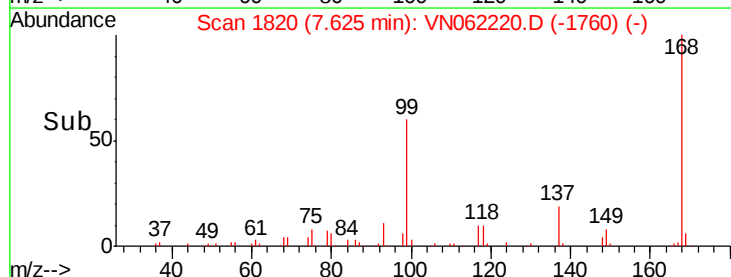
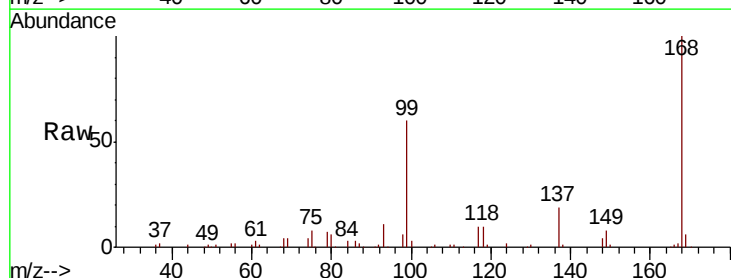
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816ZHE#05

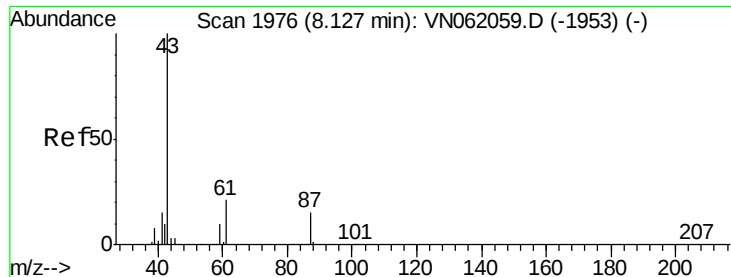
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	17.9	53.8#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.474 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062220.D
 Acq: 30 Jun 2020 5:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	78.2	117.2#
121	0.0	25.8	38.6#

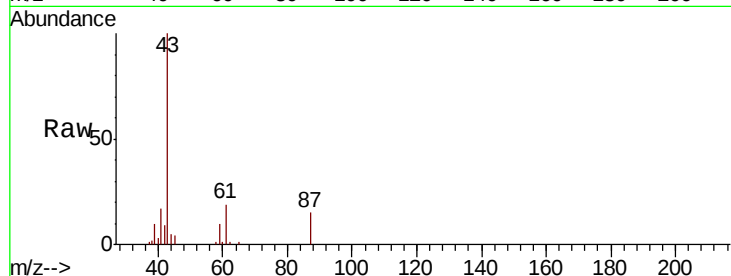




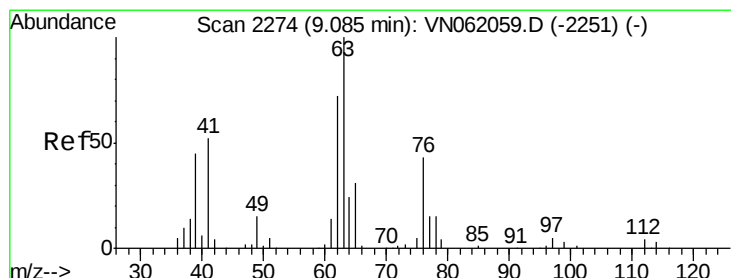
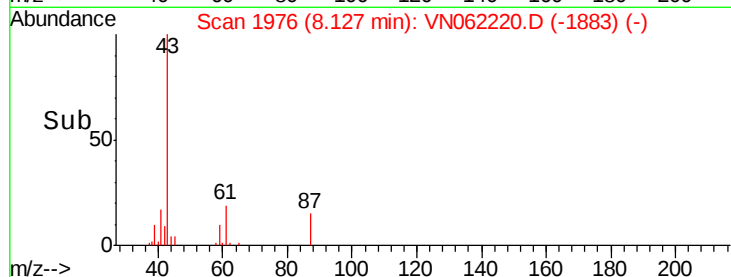
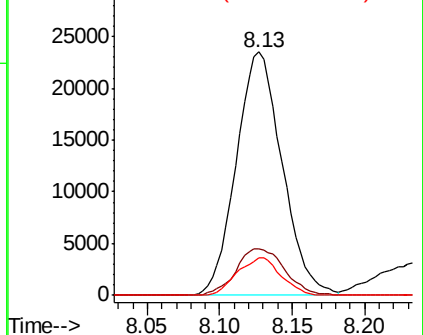
#43
Isopropyl Acetate
Concen: 9.591 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Instrument :
MSVOA_N
ClientSampleId :
PB129816ZHE#05

Tot Ion: 43 Resp: 51892
Ion Ratio Lower Upper
43 100
61 20.3 17.2 25.8
87 14.6 12.1 18.1

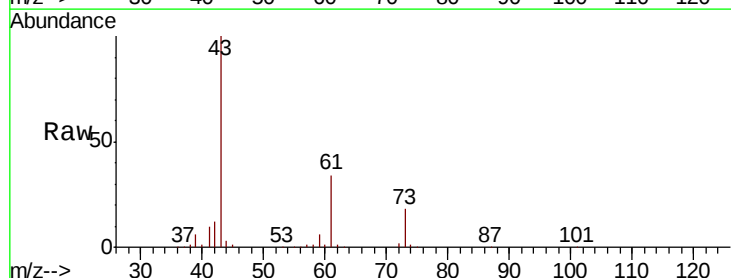


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

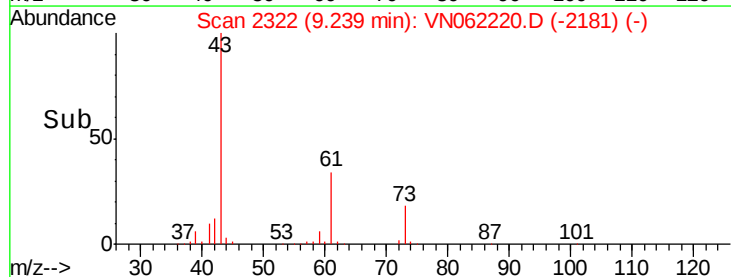
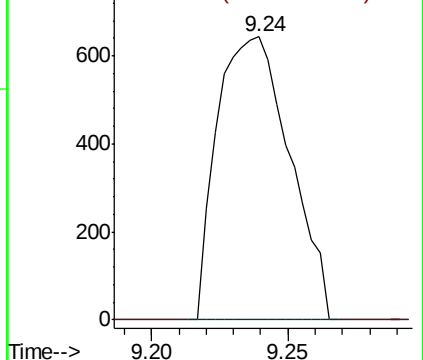


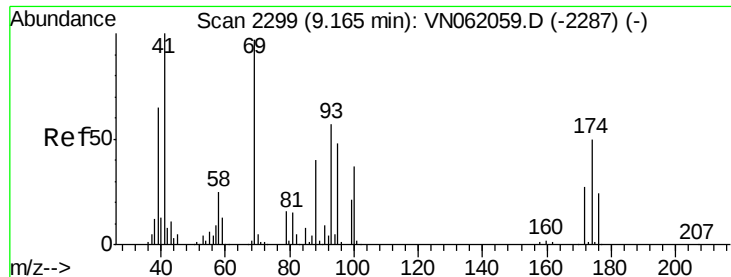
#45
1,2-Dichloropropane
Concen: 0.395 ug/l
RT: 9.24 min Scan# 2322
Delta R.T. 0.15 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Tgt Ion: 63 Resp: 1189
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 64.90 (64.60 to 65.60): VN0

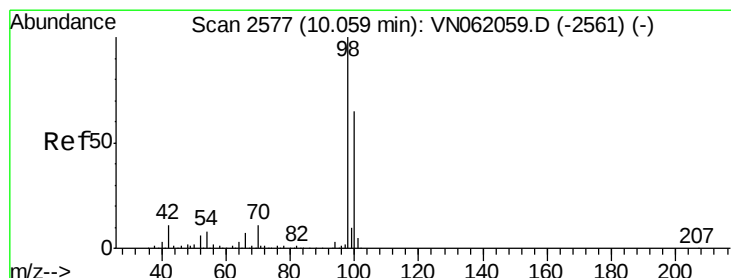
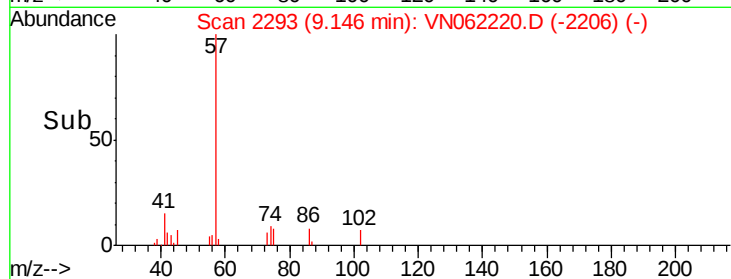
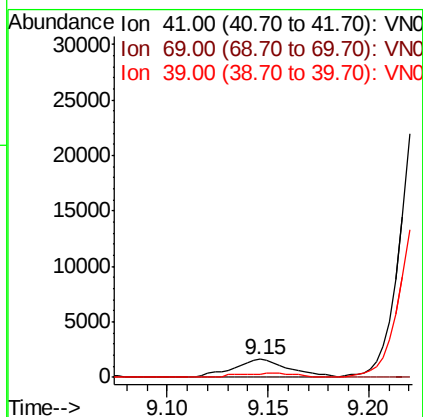
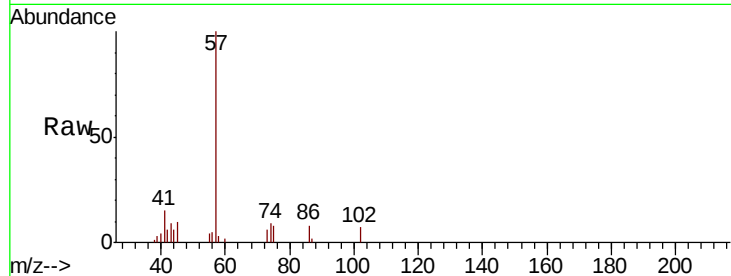




#48
Methvl methacrylate
Concen: 1.287 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

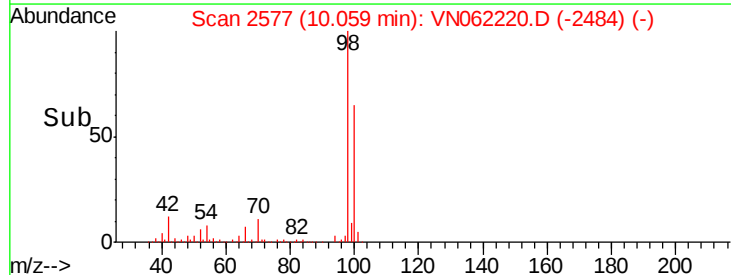
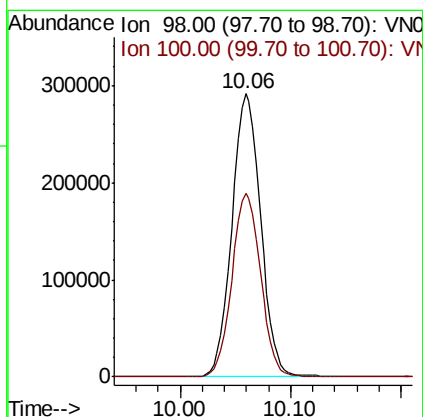
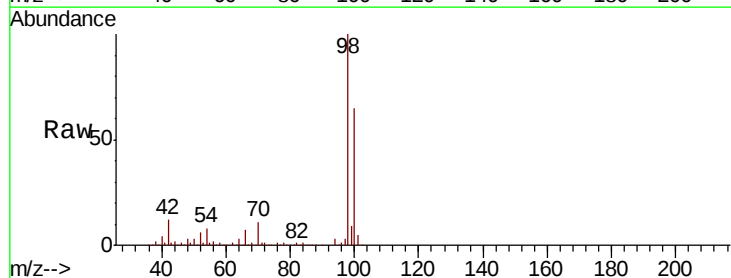
Instrument :
MSVOA_N
ClientSampleId :
PB129816ZHE#05

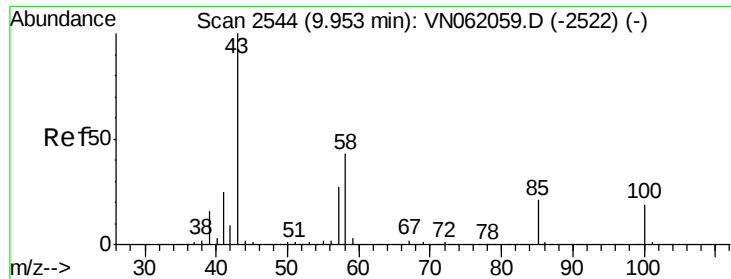
Tot Ion: 41 Resp: 3123
Ion Ratio Lower Upper
41 100
69 0.0 80.7 121.1#
39 0.0 54.5 81.7#



#50
Toluene-d8
Concen: 51.652 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Tgt Ion: 98 Resp: 528200
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8

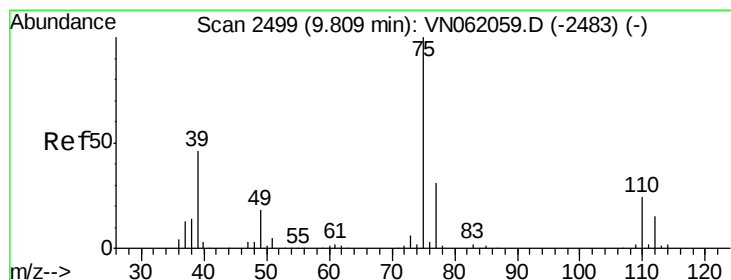
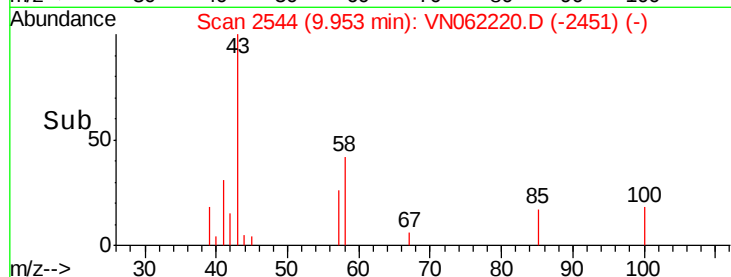
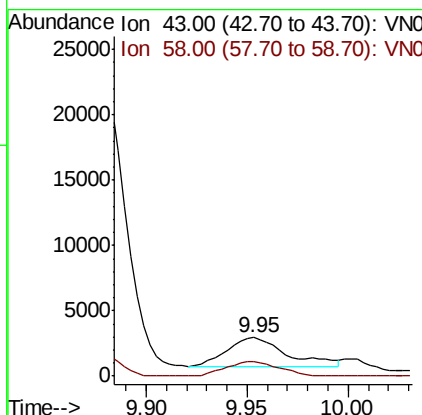
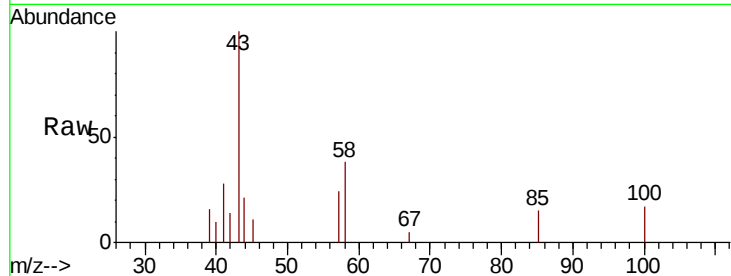




#51
4-Methyl-2-Pentanone
Concen: 1.430 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

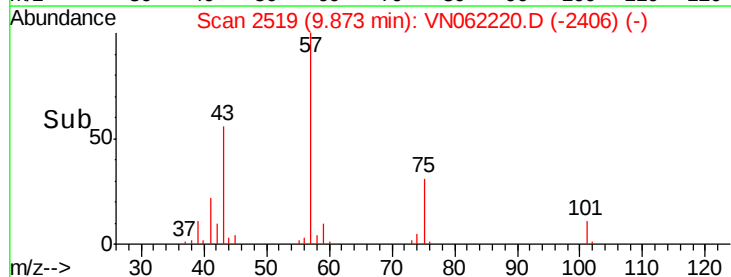
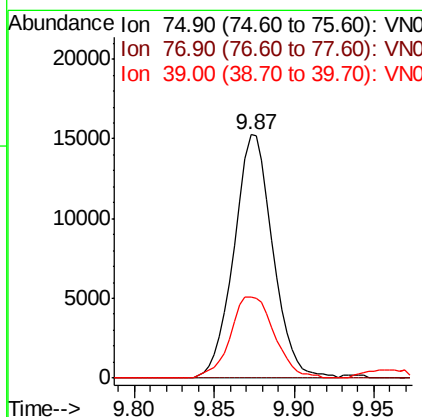
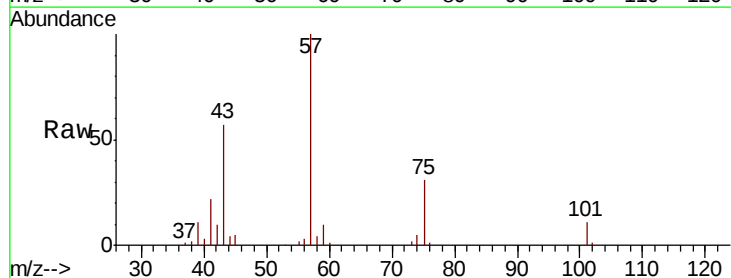
Instrument :
MSVOA_N
ClientSampleId :
PB129816ZHE#05

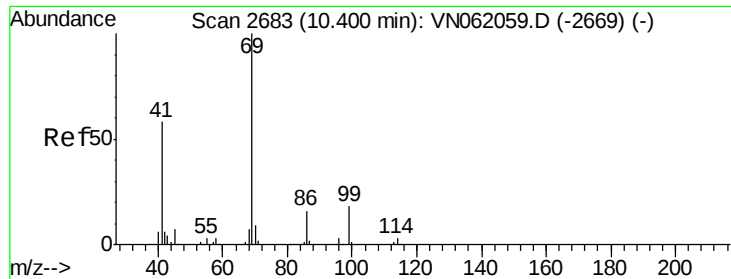
Tot Ion: 43 Resp: 4520
Ion Ratio Lower Upper
43 100
58 45.4 34.2 51.2



#54
cis-1,3-Dichloropropene
Concen: 5.235 ug/l
RT: 9.87 min Scan# 2519
Delta R.T. 0.06 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Tgt Ion: 75 Resp: 25299
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 33.5 36.9 55.3#





#56

Ethyl methacrylate

Concen: 0.309 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN062220.D

Acq: 30 Jun 2020 5:24

Instrument :

MSVOA_N

ClientSampleId :

PB129816ZHE#05

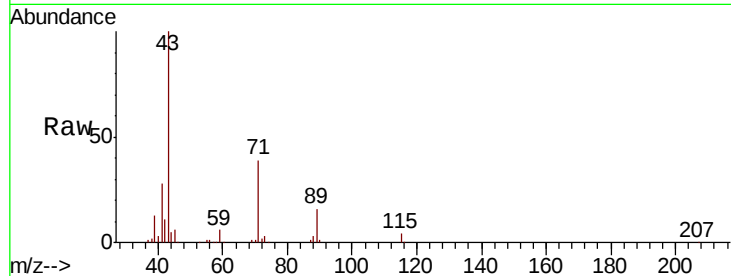
Tot Ion: 69 Resp: 1207

Ion Ratio Lower Upper

69 100

41 4588.0 46.6 70.0#

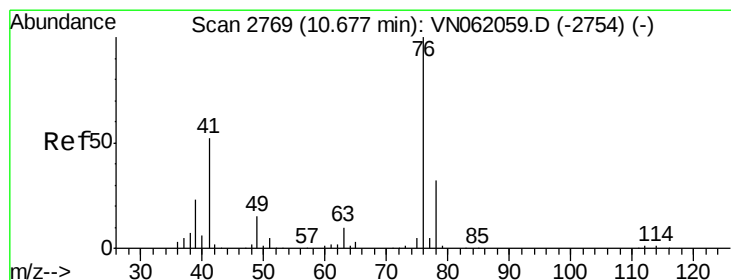
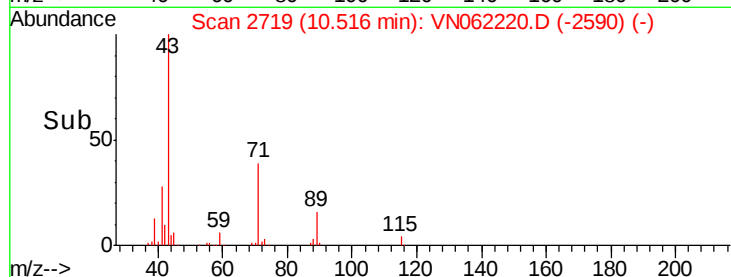
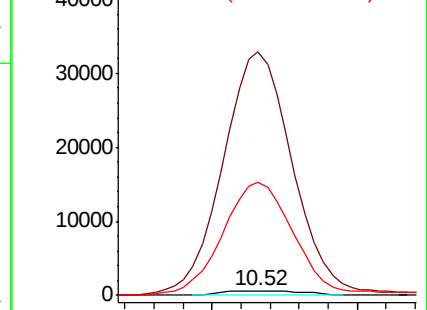
39 2196.4 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN062220.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062220.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062220.D (-2590) (-)



#57

1,3-Dichloropropane

Concen: 0.969 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.06 min

Lab File: VN062220.D

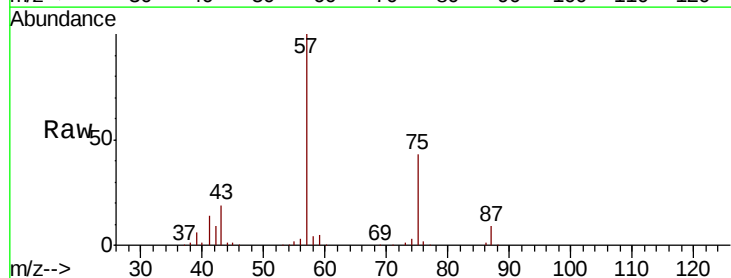
Acq: 30 Jun 2020 5:24

Tgt Ion: 76 Resp: 4889

Ion Ratio Lower Upper

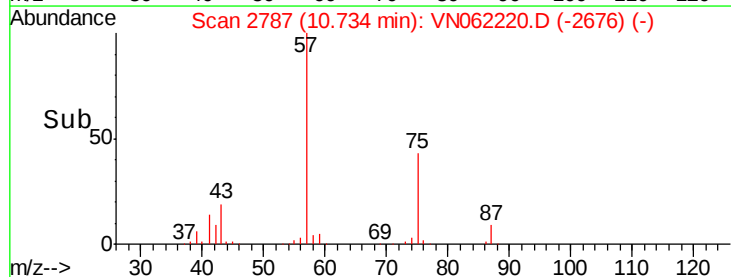
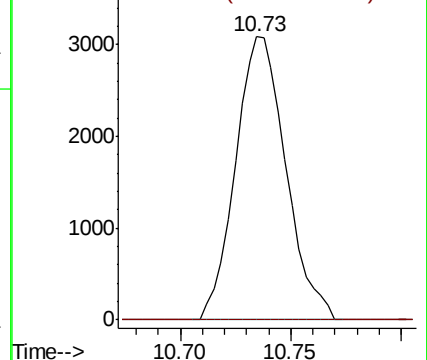
76 100

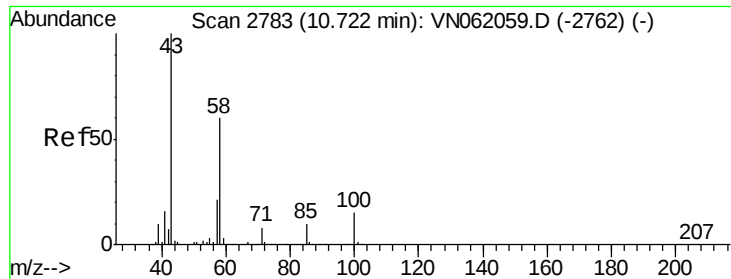
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN062220.D (-2676) (-)

Ion 77.90 (77.60 to 78.60): VN062220.D (-2676) (-)

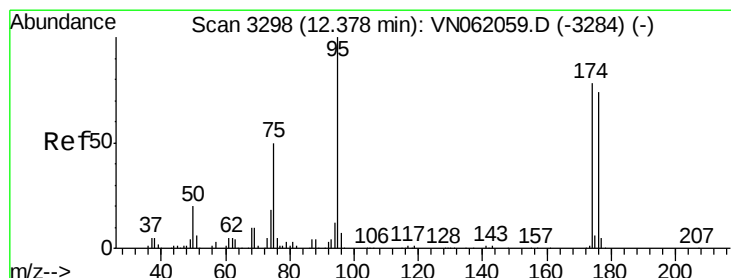
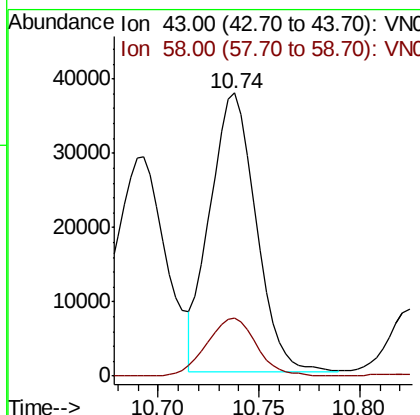
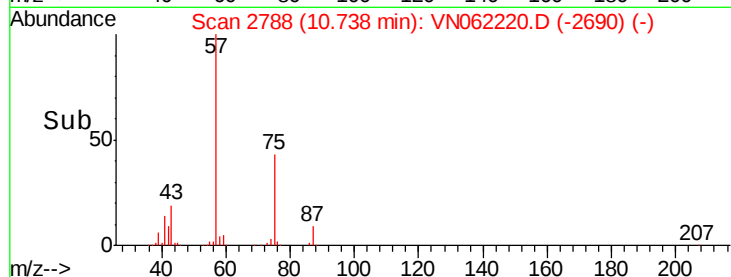
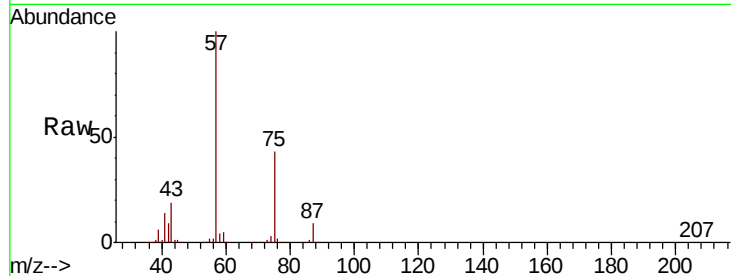




#59
2-Hexanone
Concen: 26.089 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.02 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

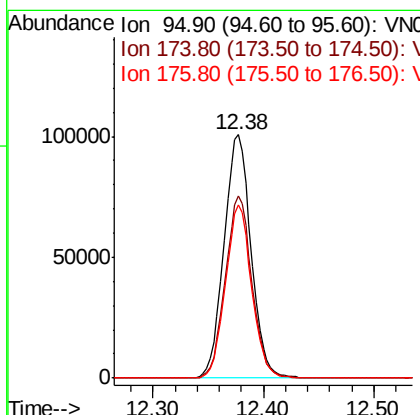
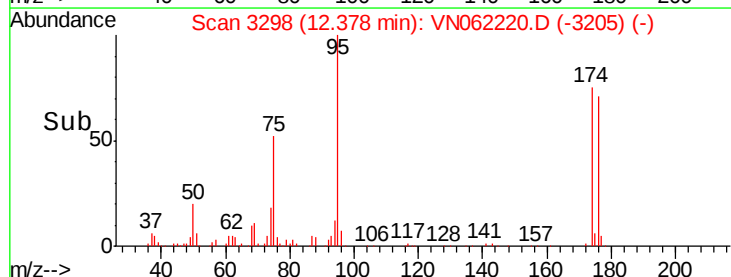
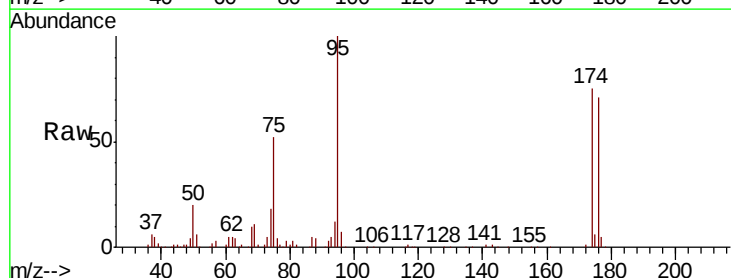
Instrument :
MSVOA_N
ClientSampleId :
PB129816ZHE#05

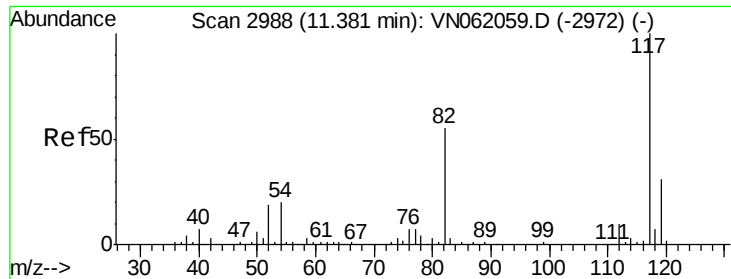
Tot Ion: 43 Resp: 59551
Ion Ratio Lower Upper
43 100
58 22.3 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 49.559 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Tgt Ion: 95 Resp: 171226
Ion Ratio Lower Upper
95 100
174 73.5 0.0 154.8
176 68.9 0.0 147.4

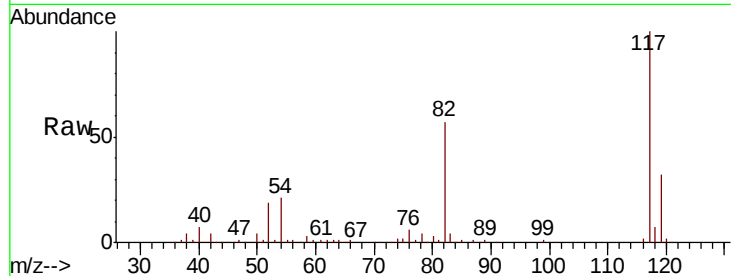




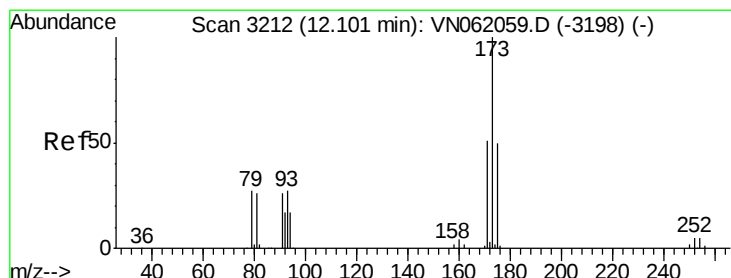
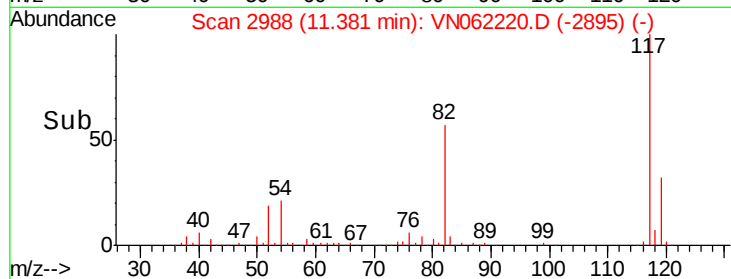
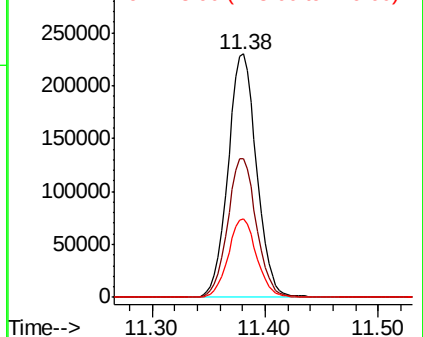
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Instrument :
MSVOA_N
ClientSampleId :
PB129816ZHE#05

Tot Ion:117 Resp: 404500
Ion Ratio Lower Upper
117 100
82 57.1 43.8 65.8
119 32.0 25.2 37.8

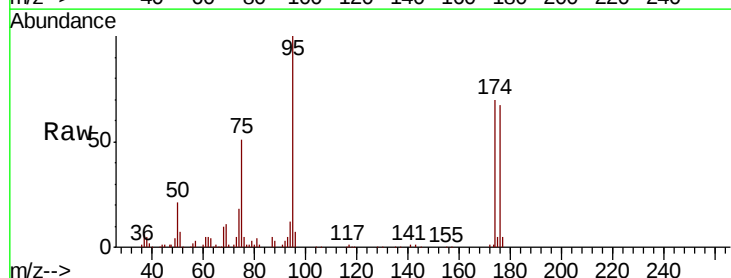


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

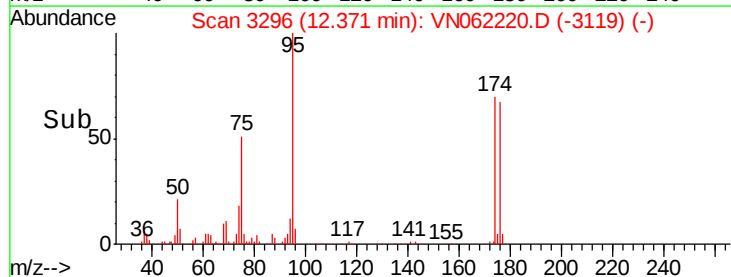
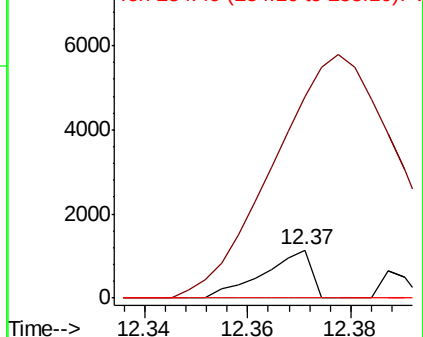


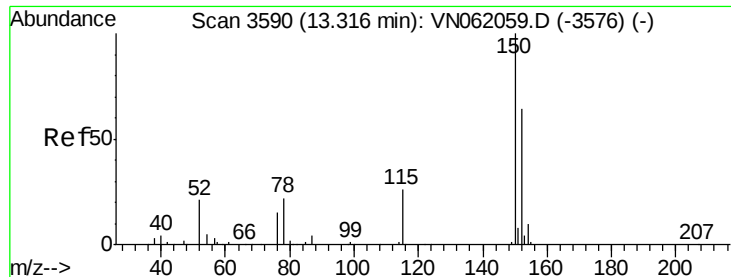
#71
Bromoform
Concen: 0.337 ug/l
RT: 12.37 min Scan# 3296
Delta R.T. 0.27 min
Lab File: VN062220.D
Acq: 30 Jun 2020 5:24

Tgt Ion:173 Resp: 736
Ion Ratio Lower Upper
173 100
175 1114.9 24.7 74.1#
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: VN062220.D

Acq: 30 Jun 2020 5:24

Instrument :

MSVOA_N

ClientSampleId :

PB129816ZHE#05

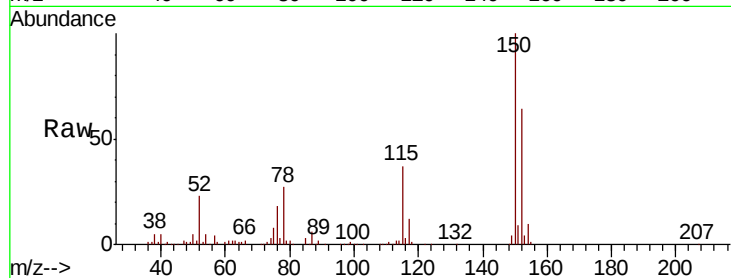
Tot Ion:152 Resp: 137316

Ion Ratio Lower Upper

152 100

115 59.4 29.5 88.5

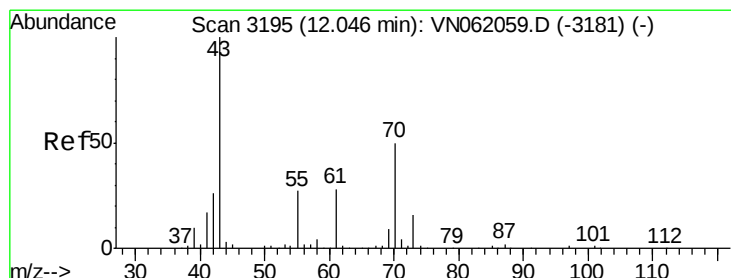
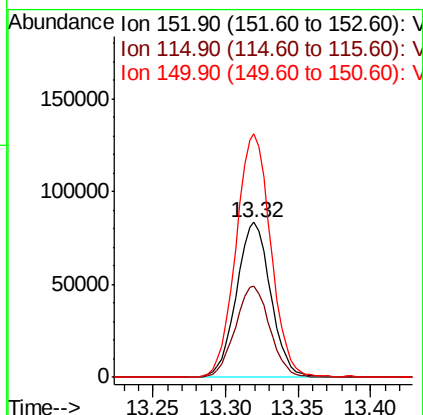
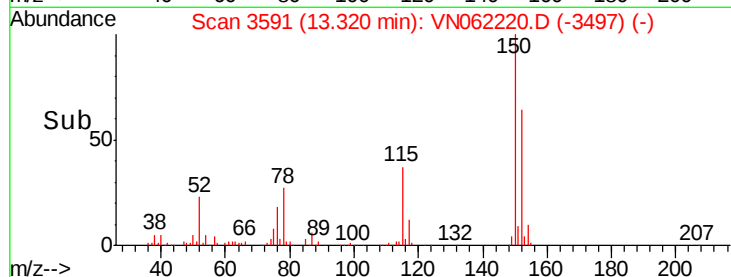
150 158.9 0.0 351.4



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: 3.970 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN062220.D

Acq: 30 Jun 2020 5:24

Tgt Ion: 43 Resp: 2630

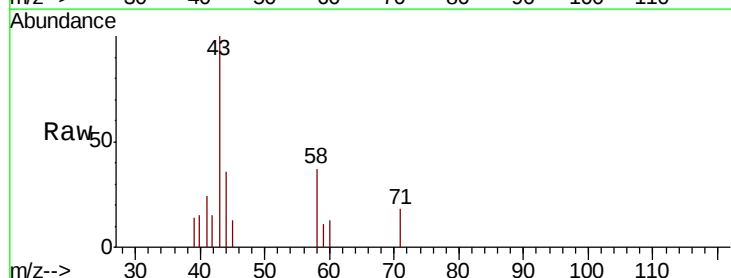
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

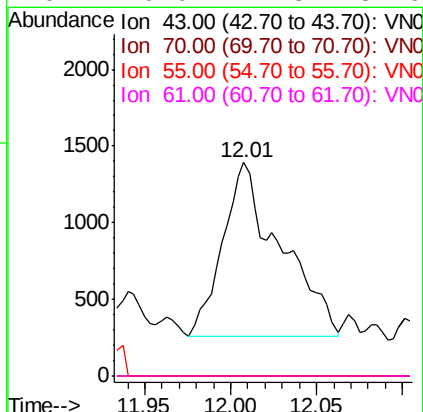
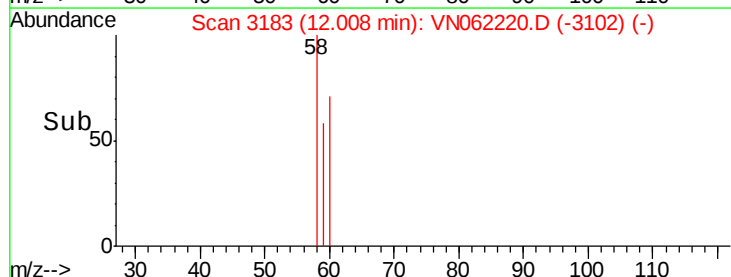


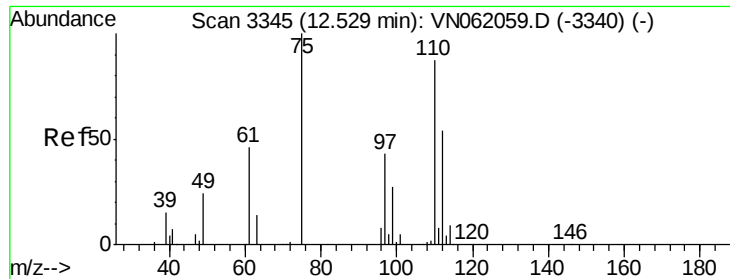
Abundance Ion 43.00 (42.70 to 43.70): VN0

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

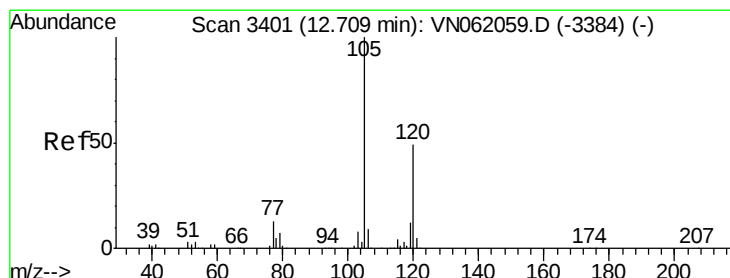
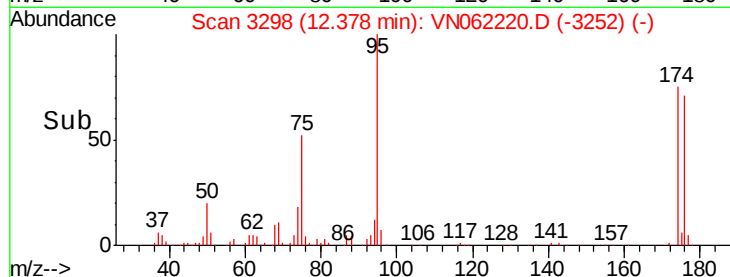
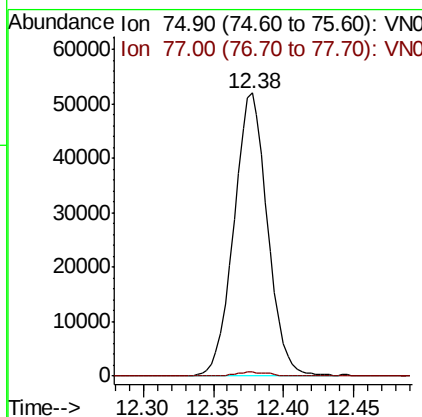
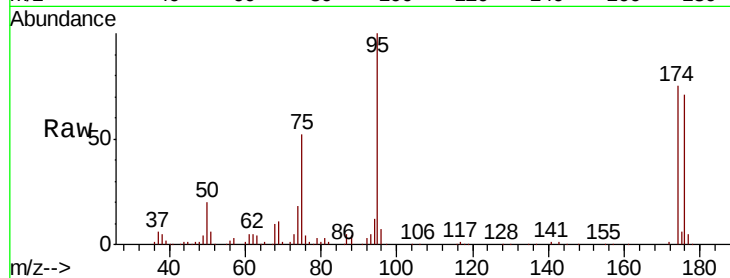




#76
 1,2,3-Trichloropropane
 Concen: 26.819 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062220.D
 Acq: 30 Jun 2020 5:24

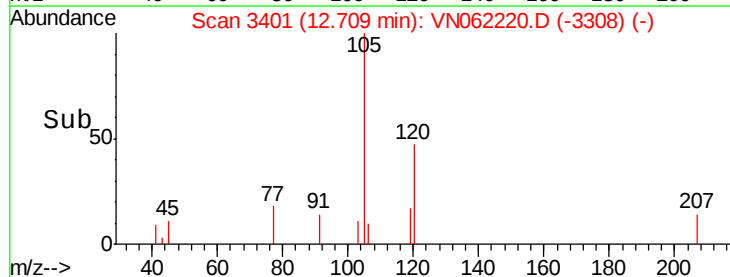
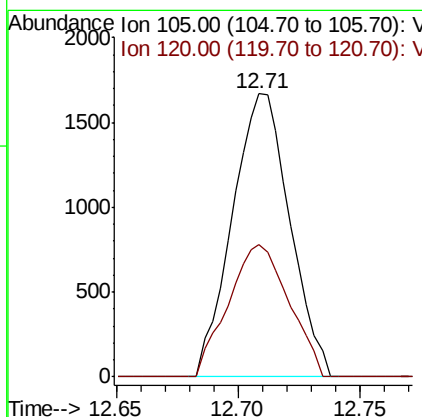
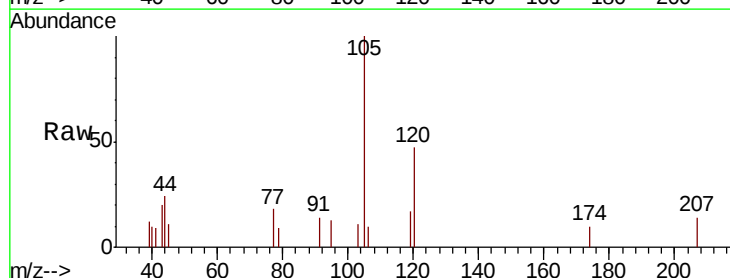
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129816ZHE#05

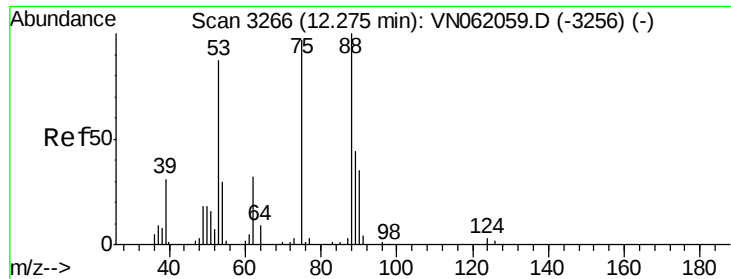
Tot Ion: 75 Resp: 86693
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.316 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062220.D
 Acq: 30 Jun 2020 5:24

Tgt Ion: 105 Resp: 2725
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 78.321 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062220.D

Acq: 30 Jun 2020 5:24

Instrument :

MSVOA_N

ClientSampleId :

PB129816ZHE#05

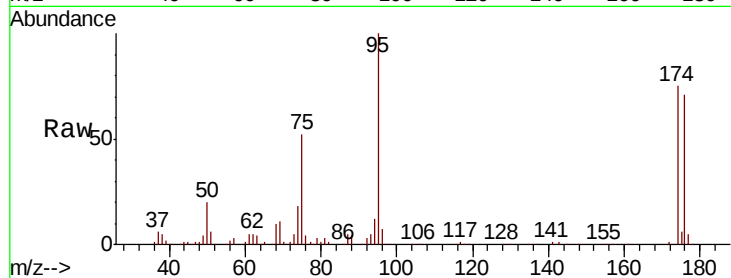
Tot Ion: 75 Resp: 86693

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 36.9 55.3#



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

