

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060920\
 Data File : VN061722.D
 Acq On : 9 Jun 2020 13:40
 Operator : JC/MD
 Sample : PB129410ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129410ZHE#03

Quant Time: Jun 10 03:02:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	288413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	500304	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	519988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	229672	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	168147	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
35) Dibromofluoromethane	7.55	113	133346	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	10.06	98	618238	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.38	95	221141	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	

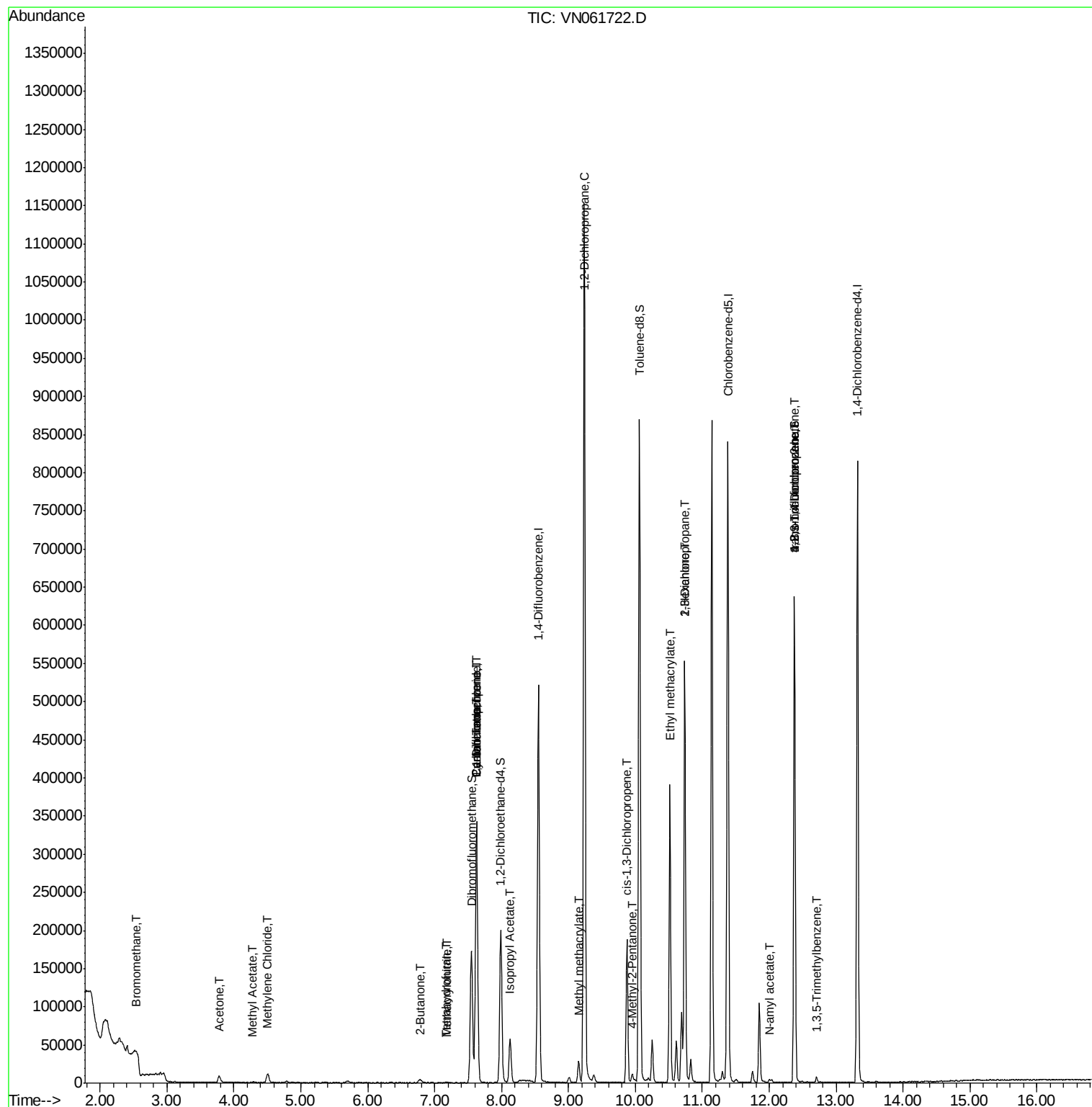
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	719	0.260	ug/l #	14
16) Acetone	3.78	43	13906	8.699	ug/l	97
18) Methyl Acetate	4.27	43	811	0.261	ug/l #	59
20) Methylene Chloride	4.50	84	10019	1.521	ug/l #	88
25) 2-Butanone	6.80	43	3052	1.874	ug/l	89
29) Tetrahydrofuran	7.17	42	951	0.886	ug/l #	42
31) Cyclohexane	7.63	56	5293	1.093	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	19495	4.402	ug/l #	49
38) Carbon Tetrachloride	7.63	117	27698	6.483	ug/l #	16
41) Methacrylonitrile	7.17	41	541	0.331	ug/l #	12
43) Isopropyl Acetate	8.13	43	65278	10.171	ug/l #	92
45) 1,2-Dichloropropane	9.24	63	1679	0.517	ug/l #	44
48) Methyl methacrylate	9.15	41	3277	1.135	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	10230	2.829	ug/l #	78
54) cis-1,3-Dichloropropene	9.88	75	37588	6.581	ug/l #	61
56) Ethyl methacrylate	10.52	69	1441	0.290	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	6297	1.108	ug/l #	42
59) 2-Hexanone	10.74	43	67537	26.002	ug/l #	49
74) N-amyl acetate	12.00	43	1201	0.228	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	109104	26.124	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3906	0.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	109104	66.807	ug/l #	15

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

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Quant Title : SW846 8260
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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: VN061722.D

Acq: 9 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

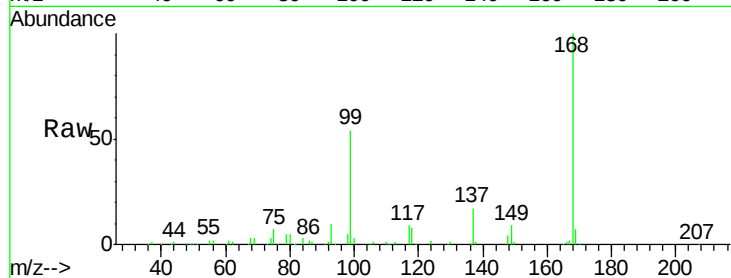
PB129410ZHE#03

Tot Ion:168 Resp: 288413

Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

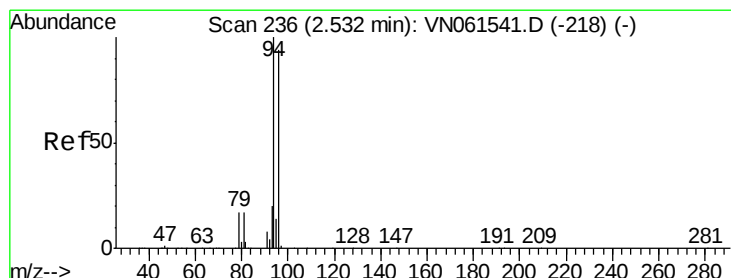
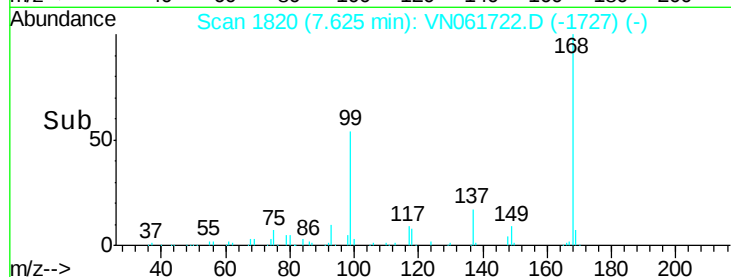
7.63

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.260 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN061722.D

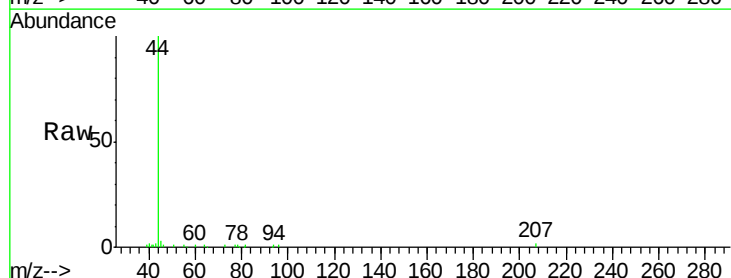
Acq: 9 Jun 2020 13:40

Tgt Ion: 94 Resp: 719

Ion Ratio Lower Upper

94 100

96 11.2 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

400

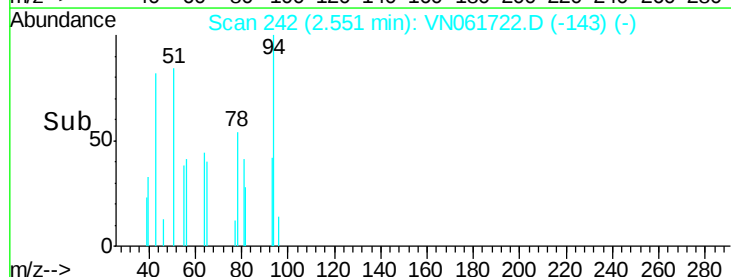
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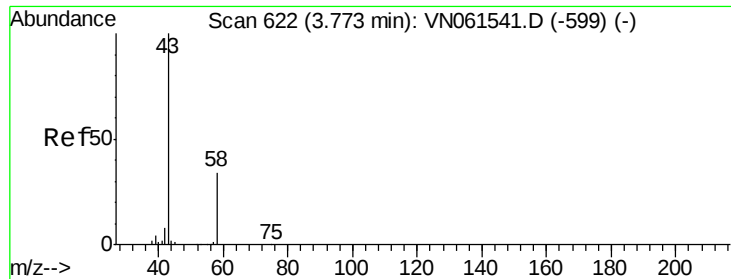
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100

0

Time-->

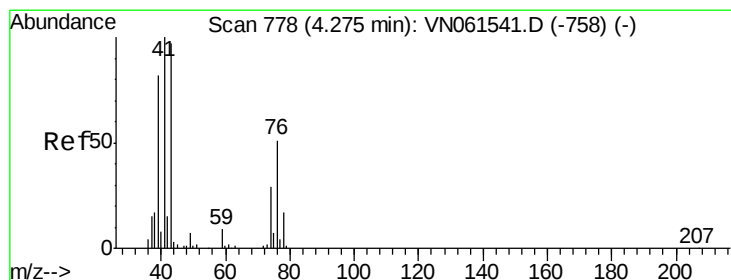
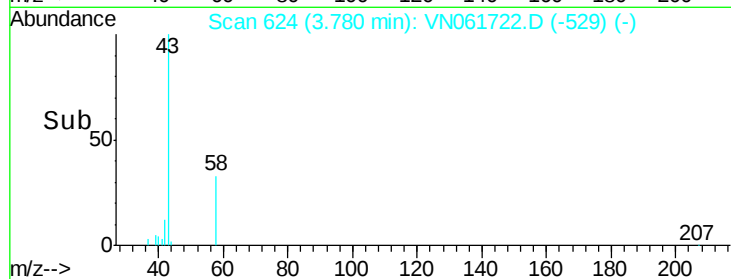
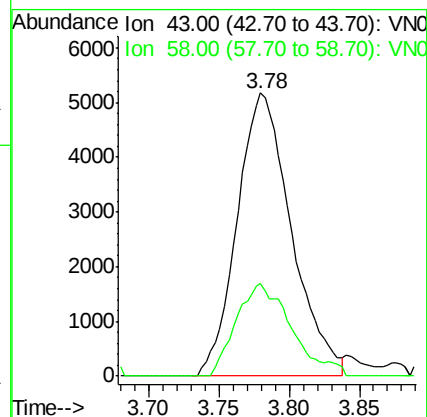
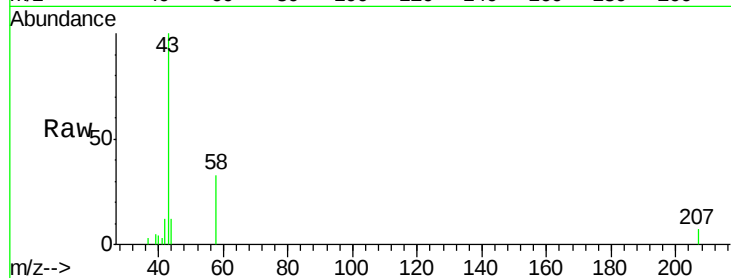




#16
Acetone
Concen: 8.699 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

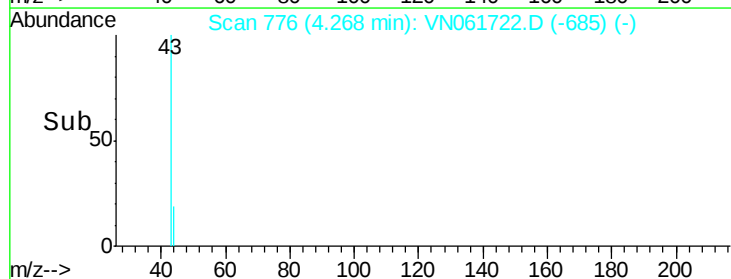
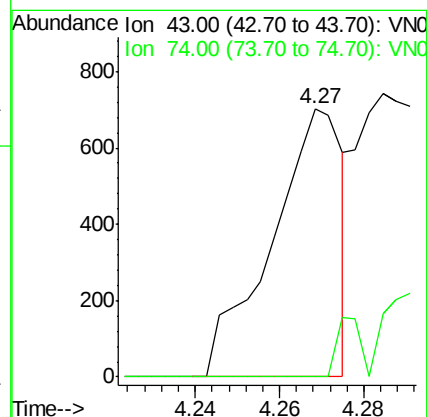
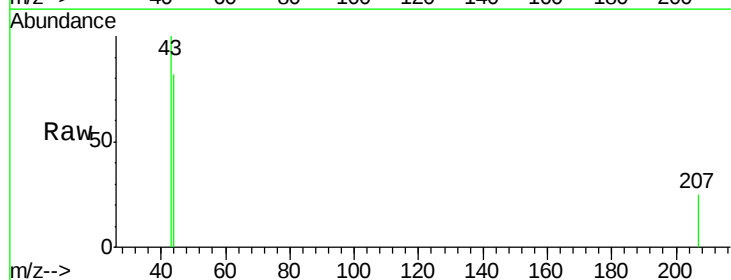
Instrument :
MSVOA_N
ClientSampleId :
PB129410ZHE#03

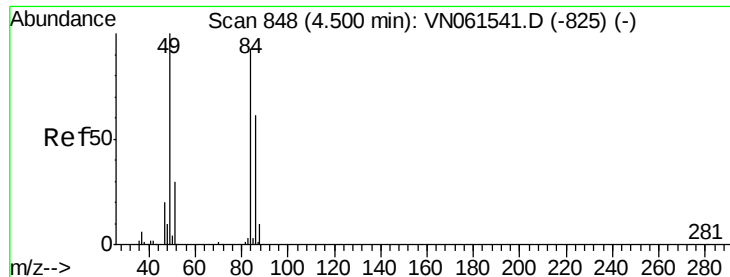
Tot Ion: 43 Resp: 13906
Ion Ratio Lower Upper
43 100
58 32.5 27.2 40.8



#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
74 7.3 23.2 34.8#





#20

Methvlene Chloride

Concen: 1.521 ug/l

RT: 4.50 min Scan# 848

Delta R.T. 0.00 min

Lab File: VN061722.D

Acq: 9 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

PB129410ZHE#03

Tot Ion: 84 Resp: 10019

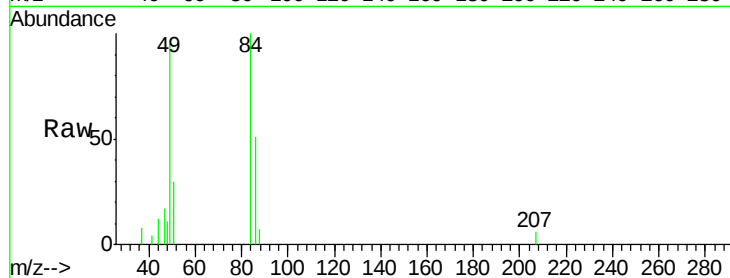
Ion Ratio Lower Upper

84 100

49 95.4 85.8 128.8

51 30.4 26.2 39.2

86 51.1 52.6 78.8#

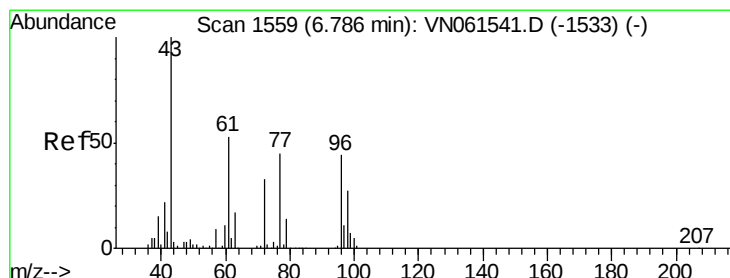
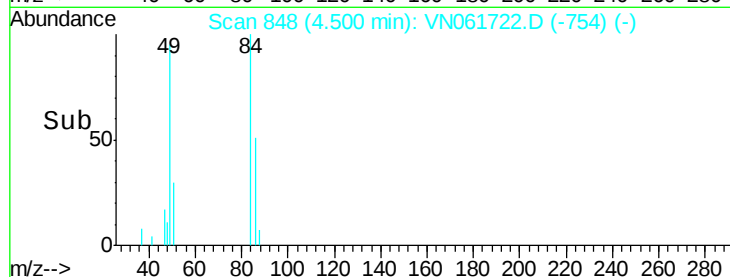
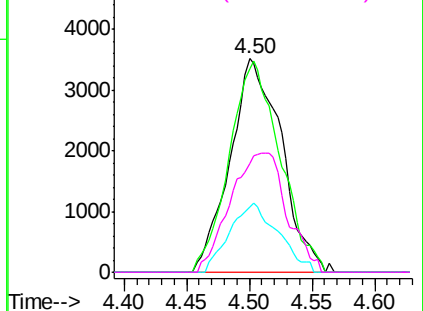


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.874 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN061722.D

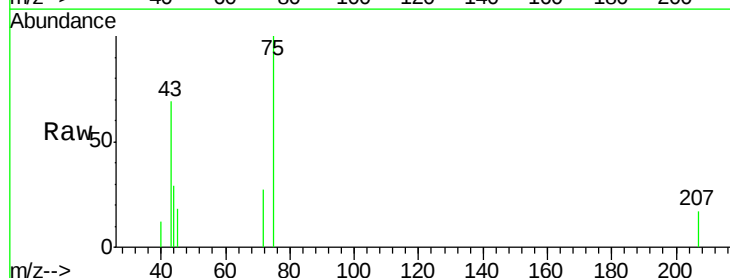
Acq: 9 Jun 2020 13:40

Tgt Ion: 43 Resp: 3052

Ion Ratio Lower Upper

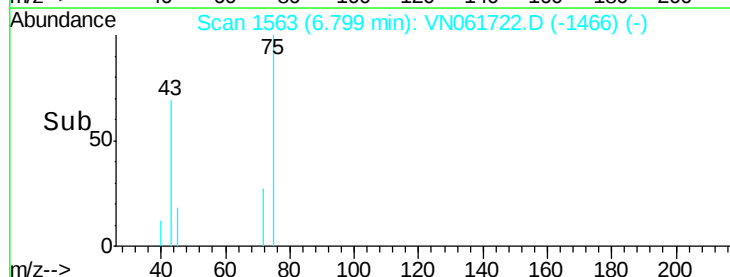
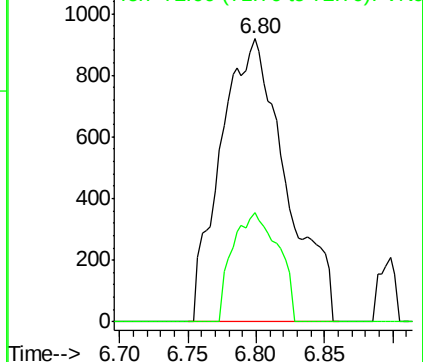
43 100

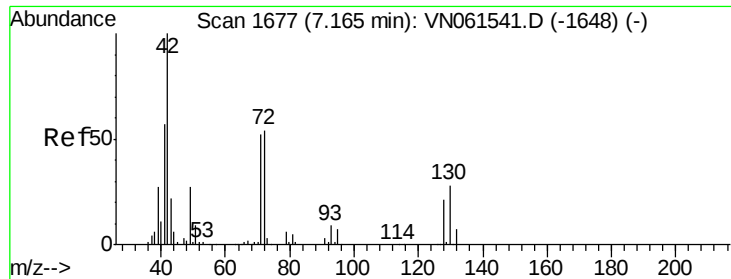
72 38.8 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

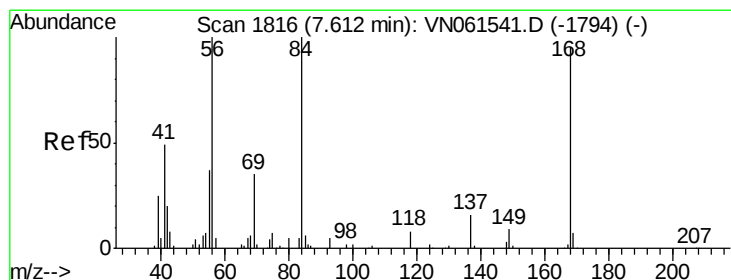
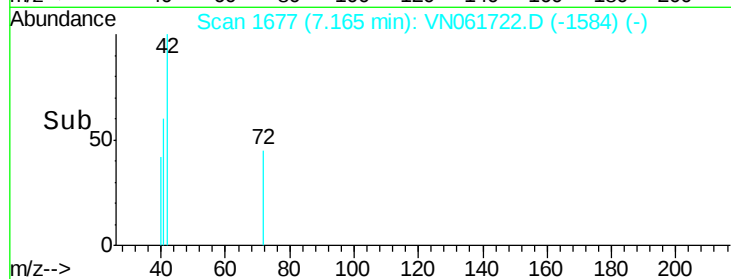
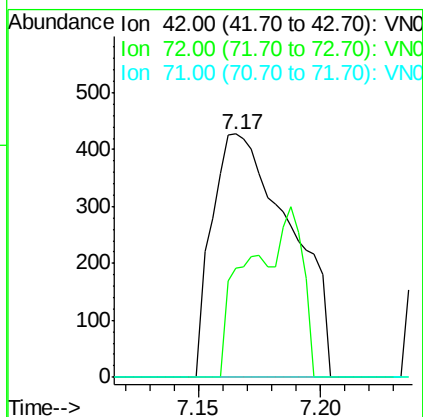
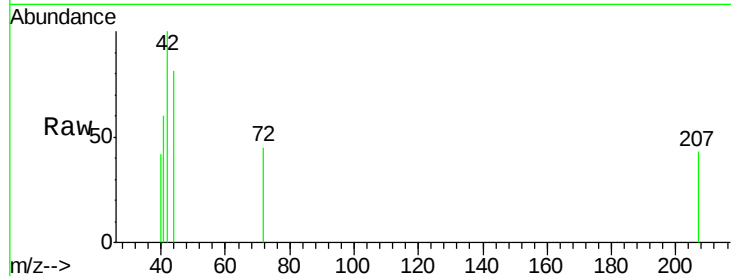




#29
Tetrahydrofuran
Concen: 0.886 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

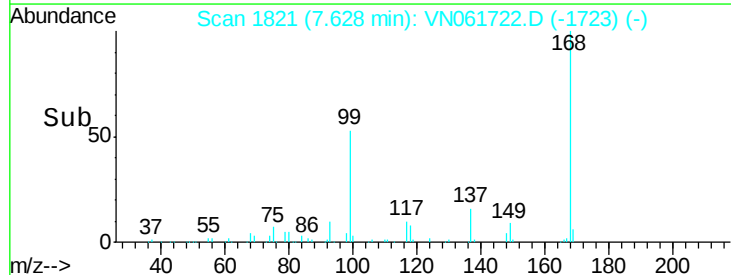
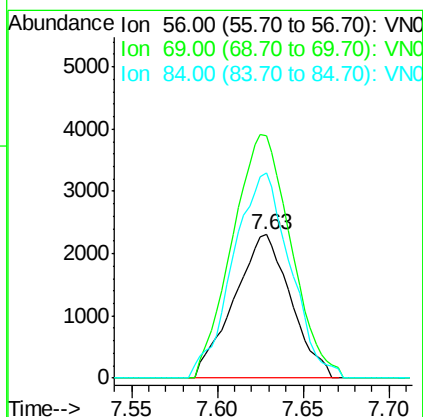
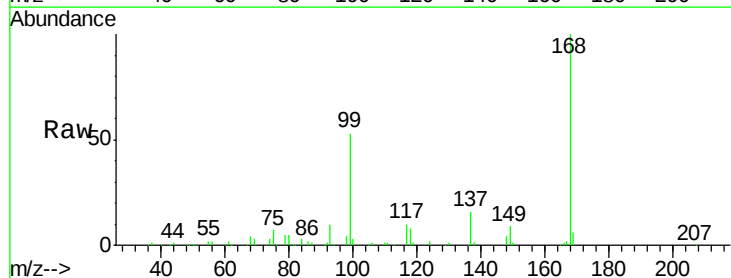
Instrument :
MSVOA_N
ClientSampleId :
PB129410ZHE#03

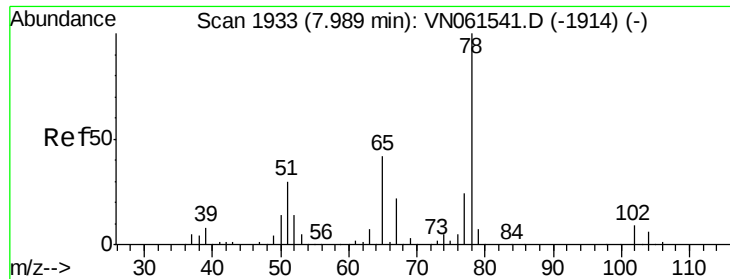
Tot Ion: 42 Resp: 951
Ion Ratio Lower Upper
42 100
72 23.9 43.6 65.4#
71 0.0 41.2 61.8#



#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

Tgt Ion: 56 Resp: 5293
Ion Ratio Lower Upper
56 100
69 168.9 27.8 41.8#
84 142.6 79.9 119.9#

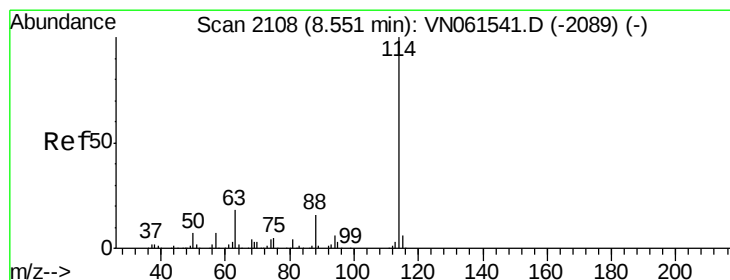
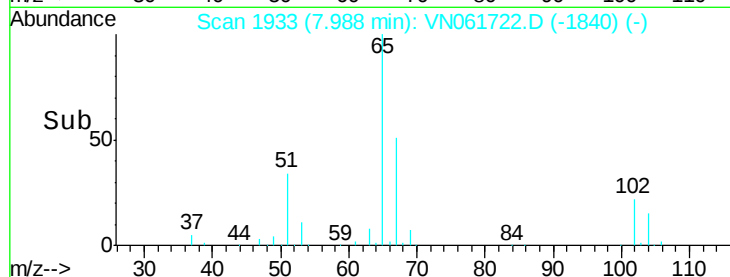
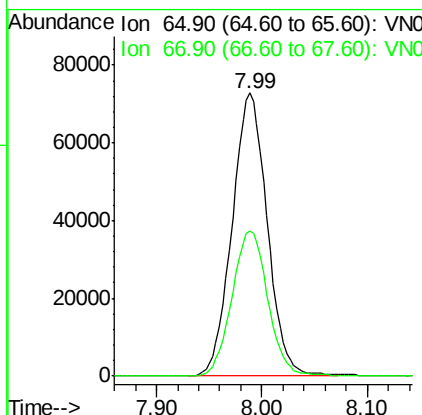
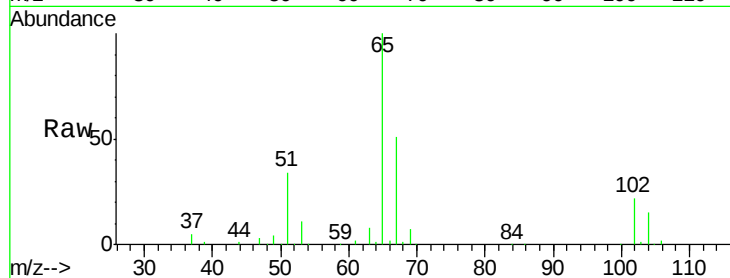




#33
 1,2-Dichloroethane-d4
 Concen: 48.933 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061722.D
 Acq: 9 Jun 2020 13:40

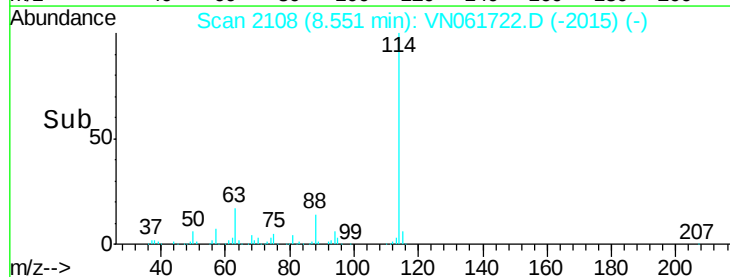
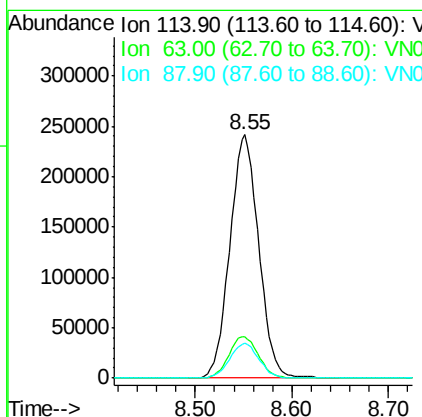
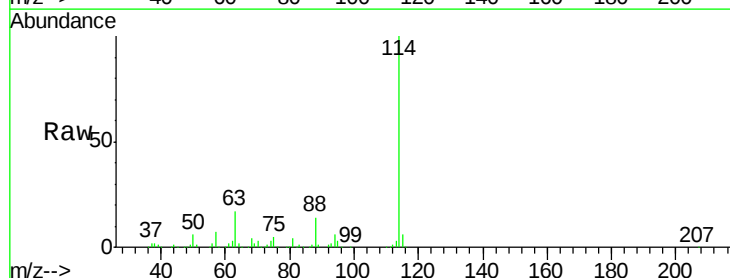
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 PB129410ZHE#03

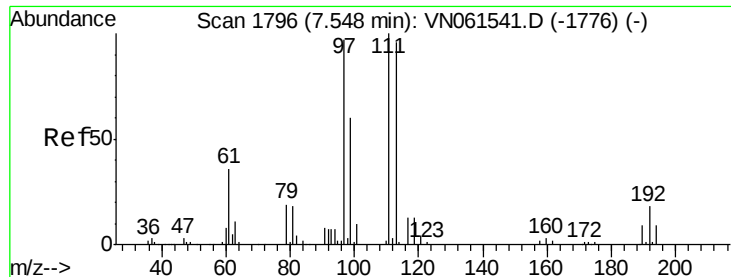
Tot Ion: 65 Resp: 168147
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061722.D
 Acq: 9 Jun 2020 13:40

Tgt Ion: 114 Resp: 500304
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 35.8
 88 14.3 0.0 31.0

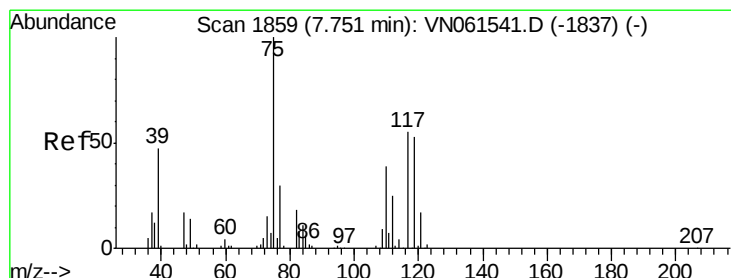
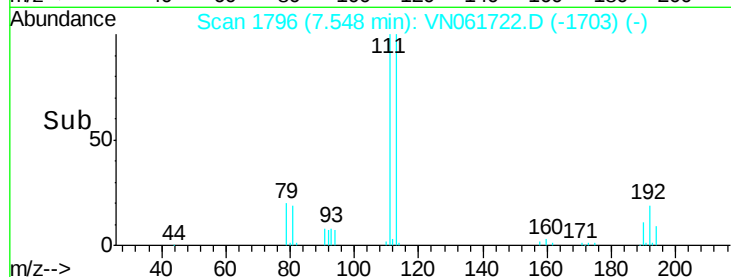
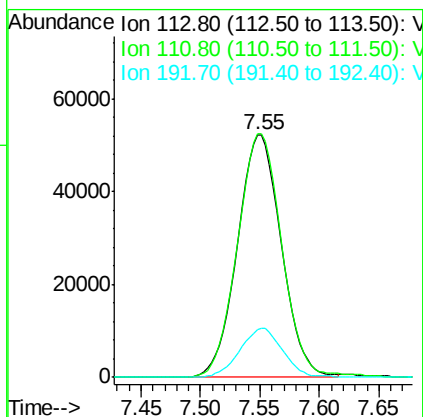
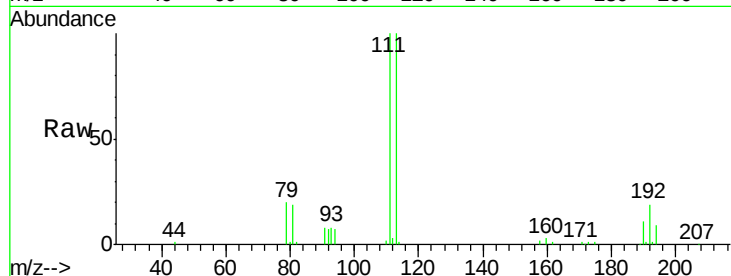




#35
 Dibromofluoromethane
 Concen: 52.541 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061722.D
 Acq: 9 Jun 2020 13:40

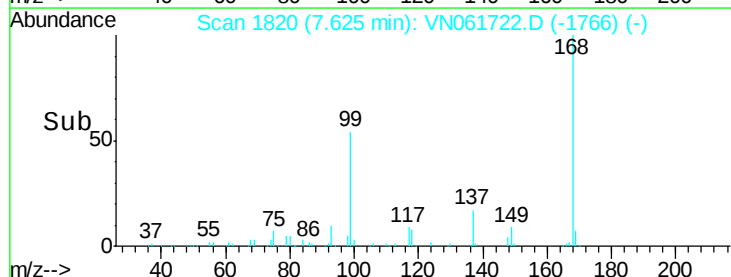
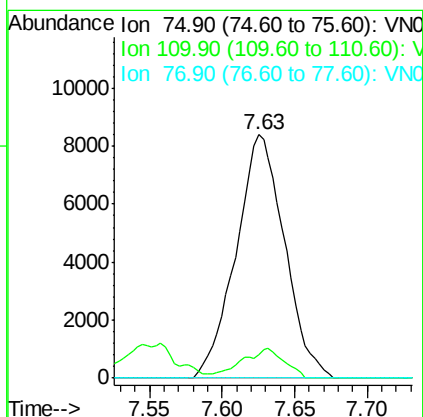
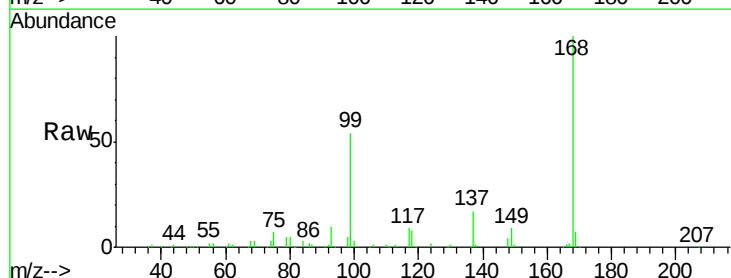
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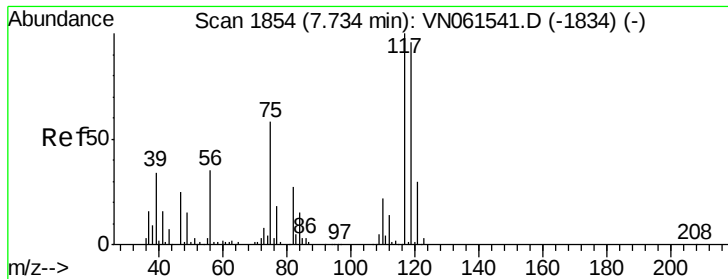
Tot Ion:113 Resp: 133346
 Ion Ratio Lower Upper
 113 100
 111 101.2 83.4 125.0
 192 19.7 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.402 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061722.D
 Acq: 9 Jun 2020 13:40

Tgt Ion: 75 Resp: 19495
 Ion Ratio Lower Upper
 75 100
 110 10.9 19.5 58.5#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.483 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN061722.D

Acq: 9 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

PB129410ZHE#03

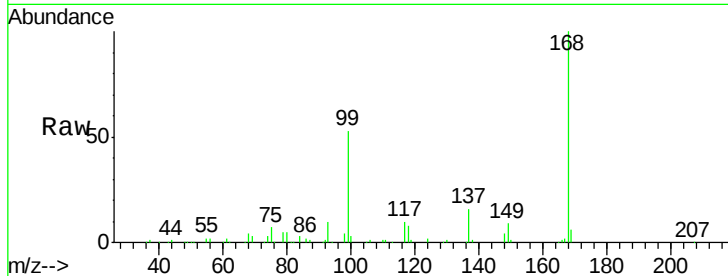
Tot Ion:117 Resp: 27698

Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

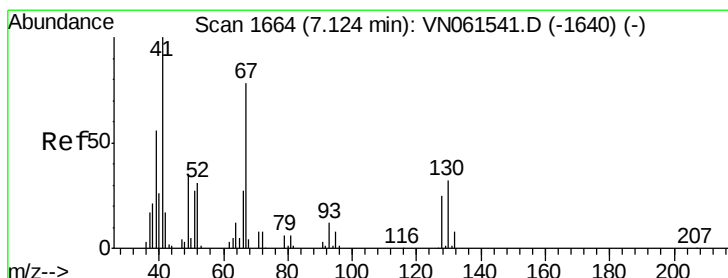
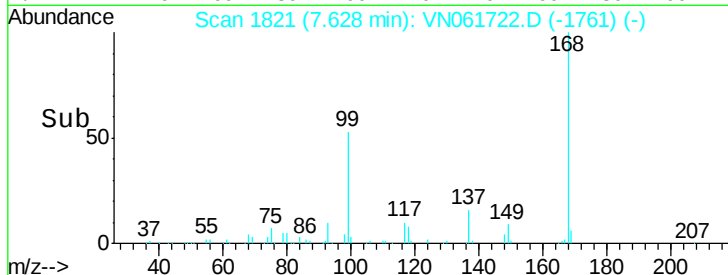
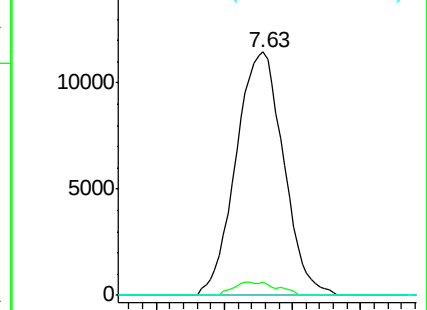
121 0.0 24.1 36.1#



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



#41

Methacrylonitrile

Concen: 0.331 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.05 min

Lab File: VN061722.D

Acq: 9 Jun 2020 13:40

Tgt Ion: 41 Resp: 541

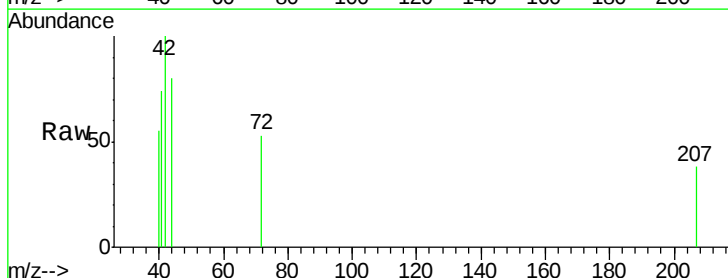
Ion Ratio Lower Upper

41 100

39 11.5 53.8 80.6#

67 0.0 91.1 136.7#

52 0.0 36.0 54.0#

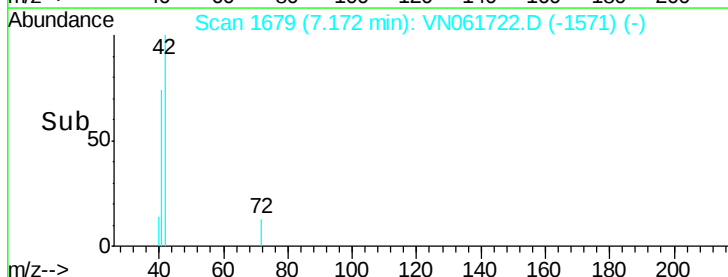
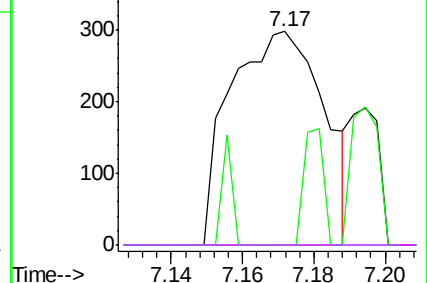


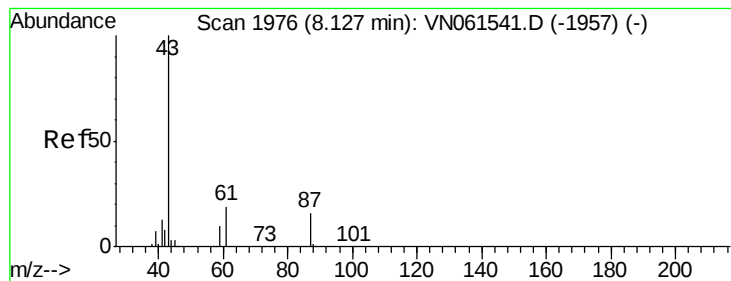
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 10.171 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN061722.D

Acq: 9 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

PB129410ZHE#03

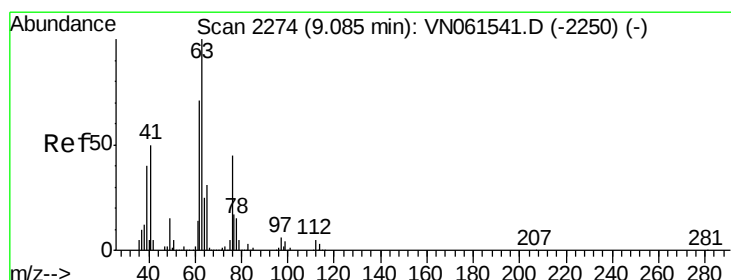
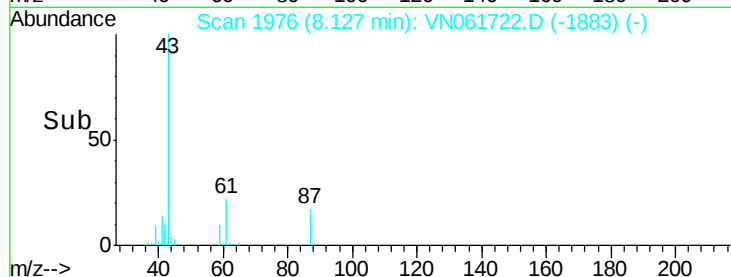
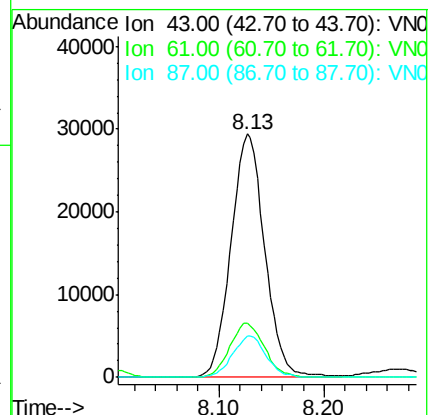
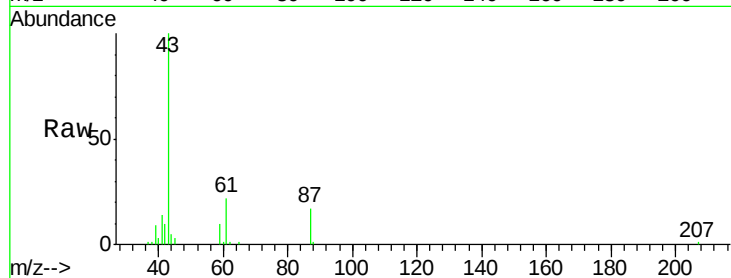
Tot Ion: 43 Resp: 65278

Ion Ratio Lower Upper

43 100

61 22.7 23.6 35.4#

87 16.7 13.0 19.6



#45

1,2-Dichloropropane

Concen: 0.517 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN061722.D

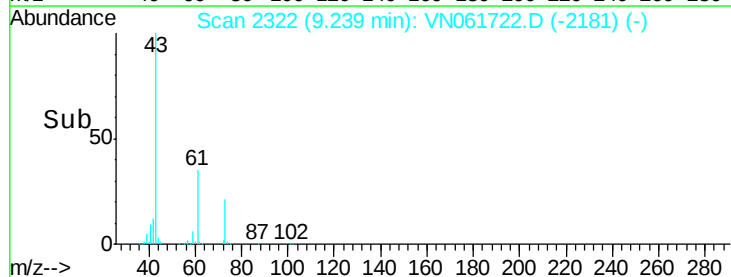
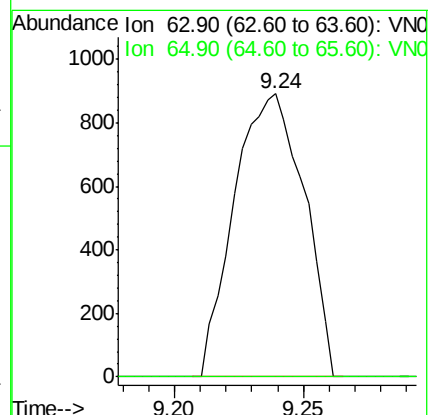
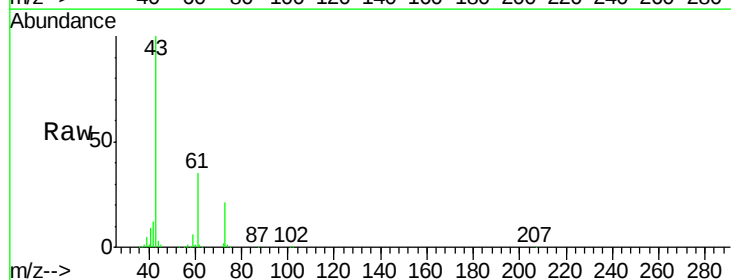
Acq: 9 Jun 2020 13:40

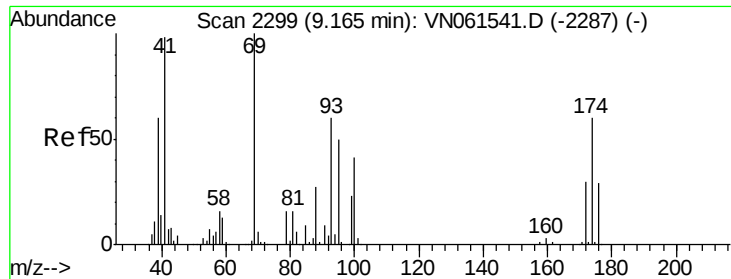
Tgt Ion: 63 Resp: 1679

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

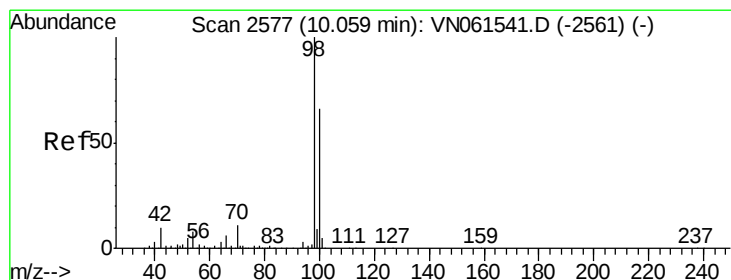
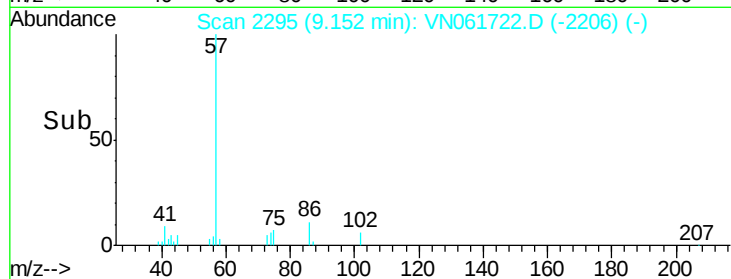
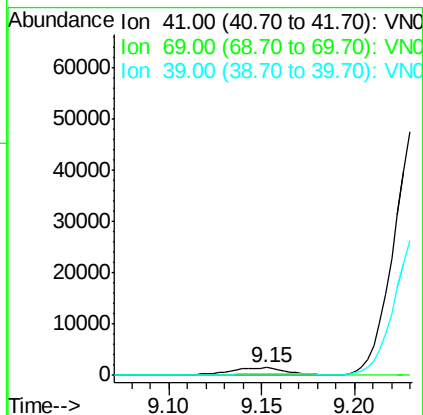
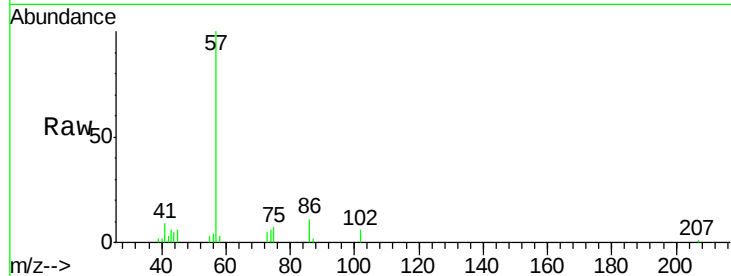




#48
Methvl methacrylate
Concen: 1.135 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

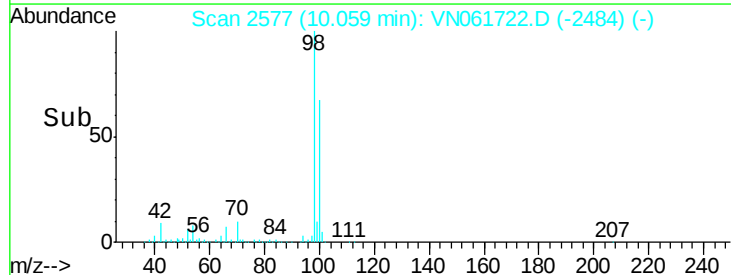
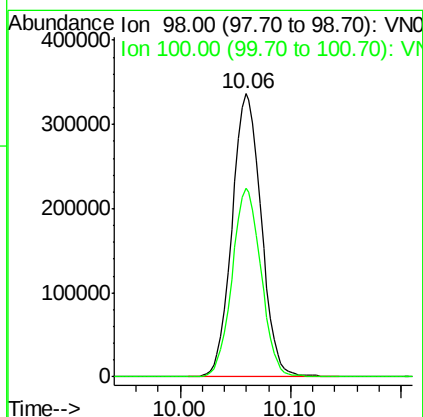
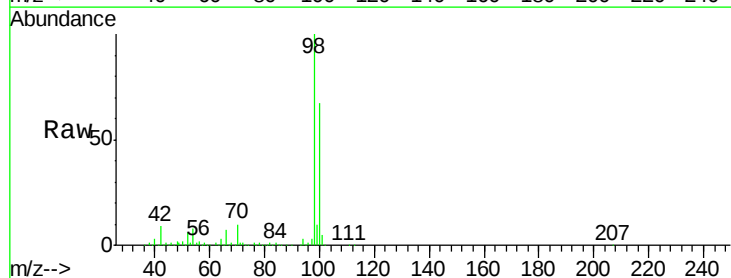
Instrument :
MSVOA_N
ClientSampleId :
PB129410ZHE#03

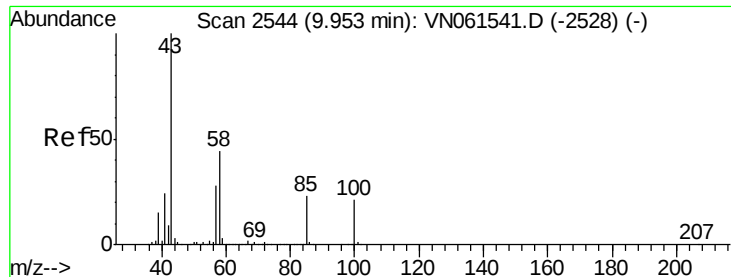
Tot Ion: 41 Resp: 3277
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 0.0 52.1 78.1#



#50
Toluene-d8
Concen: 52.566 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

Tgt Ion: 98 Resp: 618238
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 2.829 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061722.D

Acq: 9 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

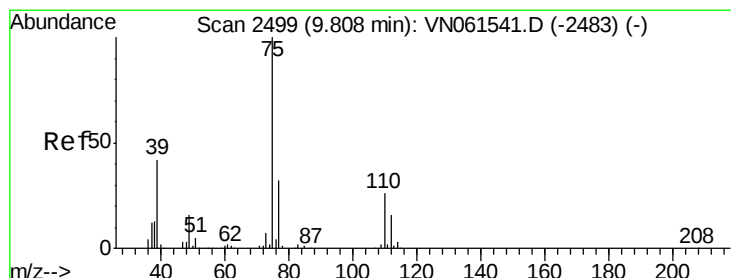
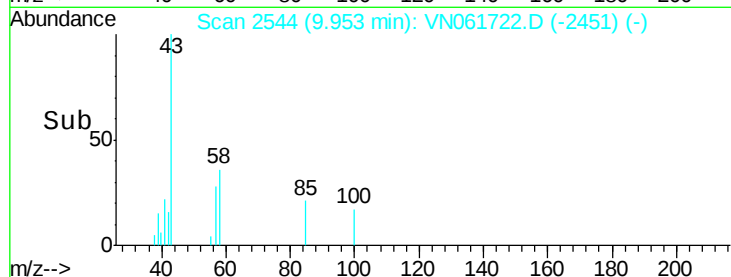
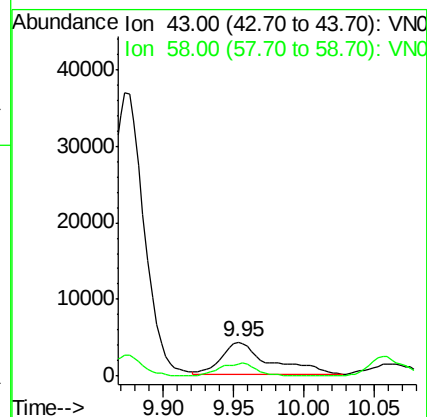
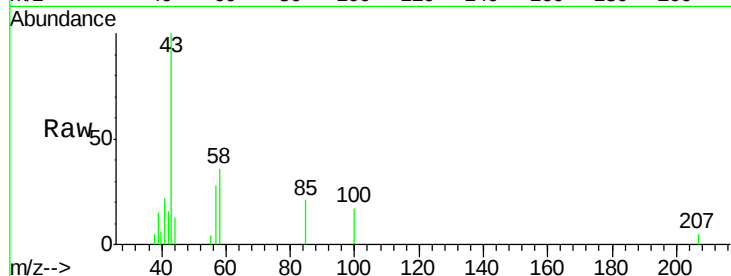
PB129410ZHE#03

Tot Ion: 43 Resp: 10230

Ion Ratio Lower Upper

43 100

58 29.6 35.0 52.6#



#54

cis-1,3-Dichloropropene

Concen: 6.581 ug/l

RT: 9.88 min Scan# 2520

Delta R.T. 0.07 min

Lab File: VN061722.D

Acq: 9 Jun 2020 13:40

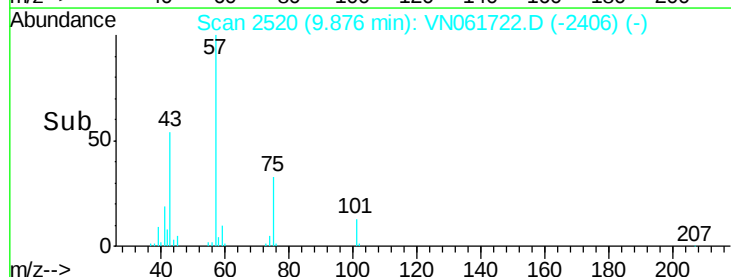
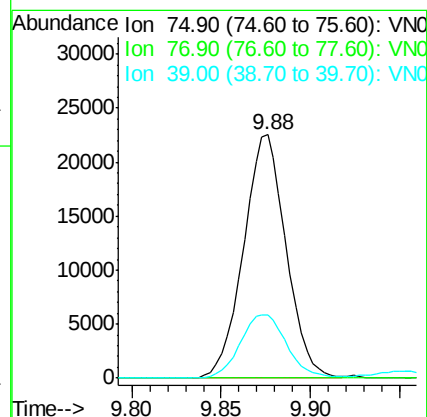
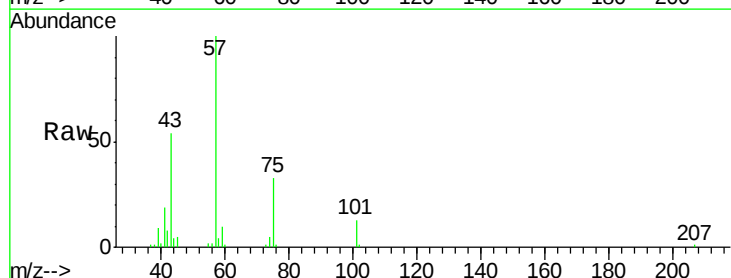
Tgt Ion: 75 Resp: 37588

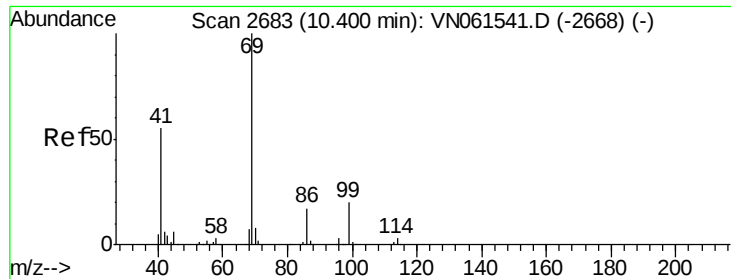
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

39 25.7 33.8 50.6#





#56

Ethyl methacrylate

Concen: 0.290 ug/l

RT: 10.52 min Scan# 2719

Delta R.T. 0.12 min

Lab File: VN061722.D

Acq: 9 Jun 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

PB129410ZHE#03

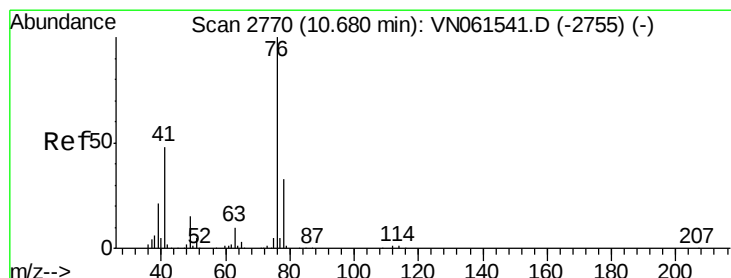
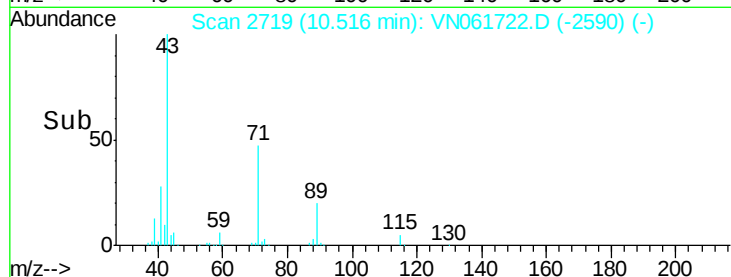
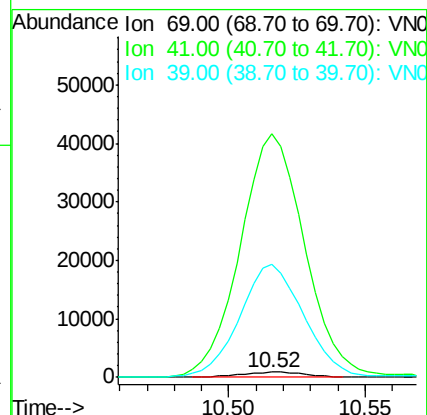
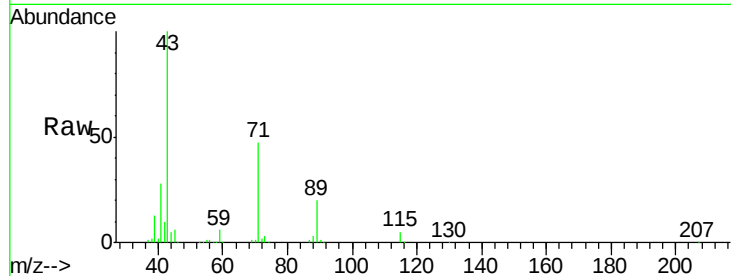
Tot Ion: 69 Resp: 1441

Ion Ratio Lower Upper

69 100

41 4769.3 43.5 65.3#

39 2198.2 27.0 40.6#



#57

1,3-Dichloropropane

Concen: 1.108 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN061722.D

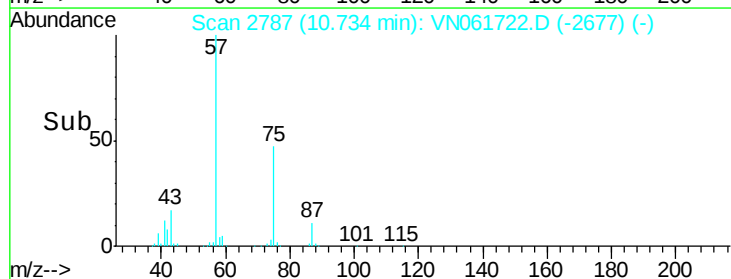
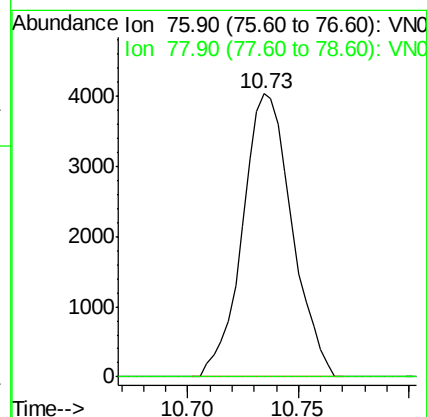
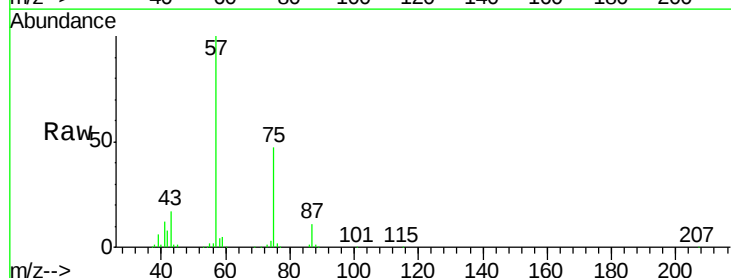
Acq: 9 Jun 2020 13:40

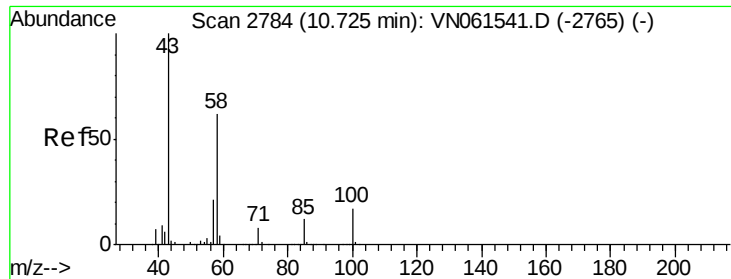
Tgt Ion: 76 Resp: 6297

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#

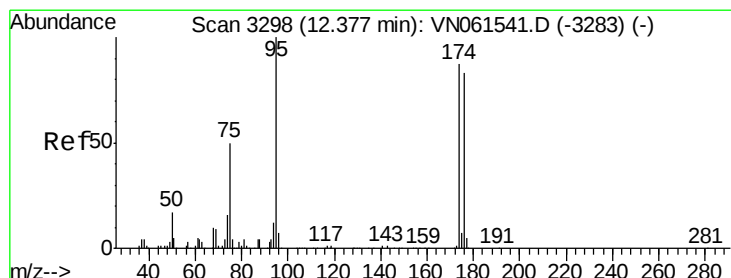
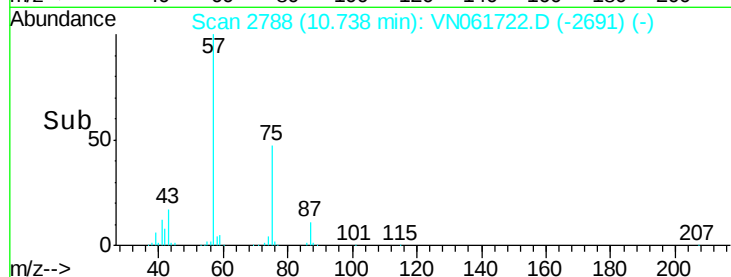
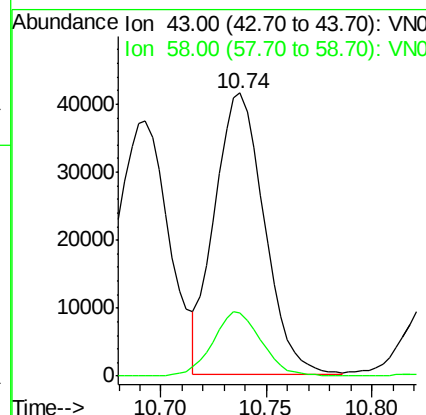
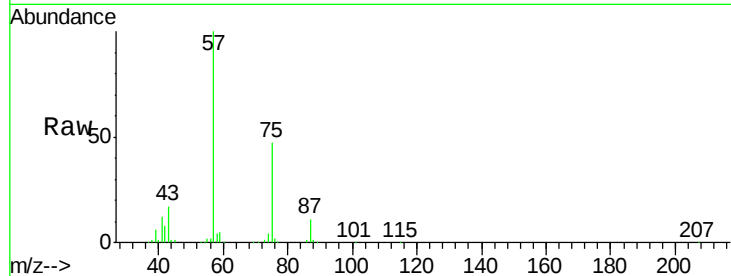




#59
2-Hexanone
Concen: 26.002 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

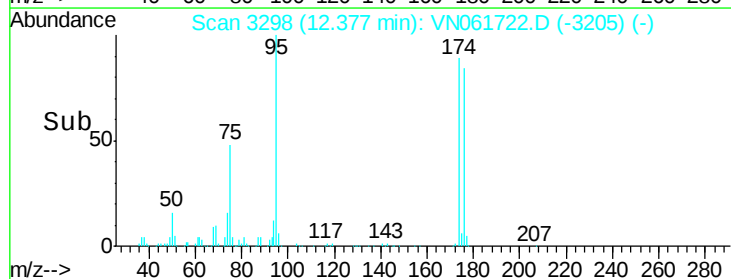
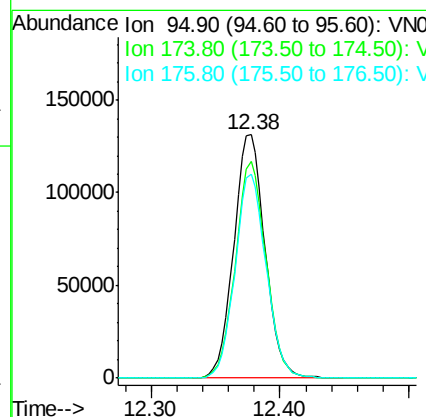
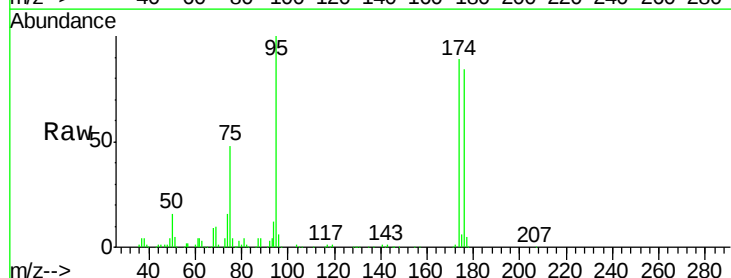
Instrument :
MSVOA_N
ClientSampleId :
PB129410ZHE#03

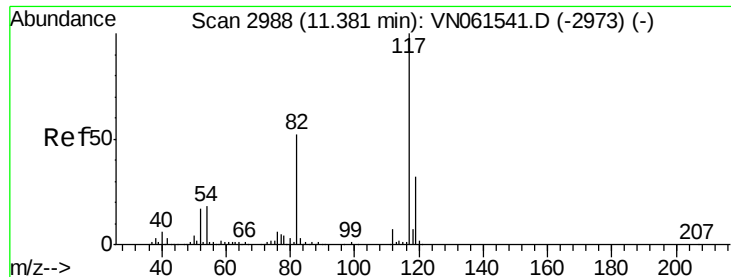
Tot Ion: 43 Resp: 67537
Ion Ratio Lower Upper
43 100
58 22.5 30.7 92.1#



#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

Tgt Ion: 95 Resp: 221141
Ion Ratio Lower Upper
95 100
174 87.3 0.0 172.8
176 83.3 0.0 164.8

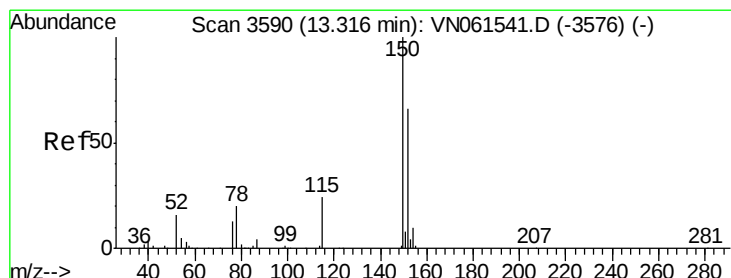
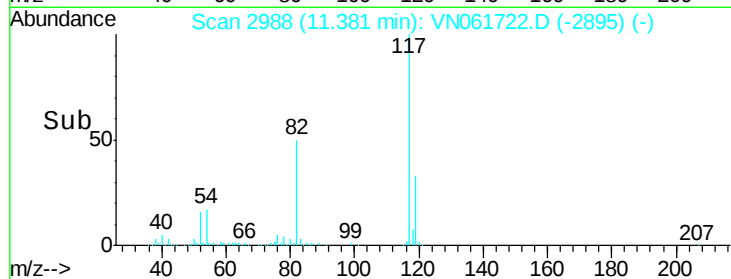
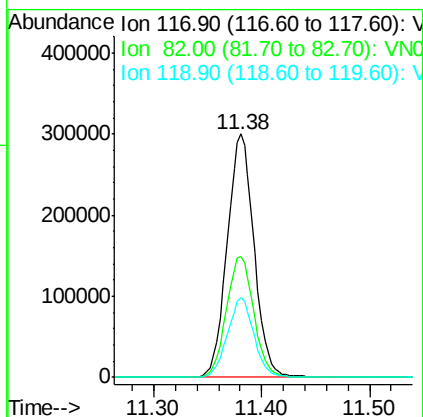
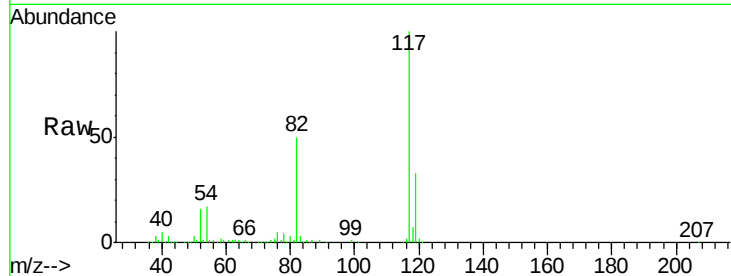




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

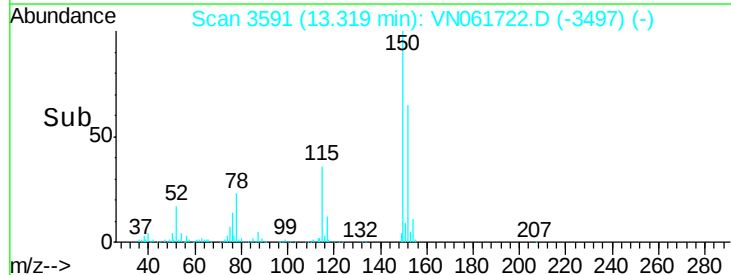
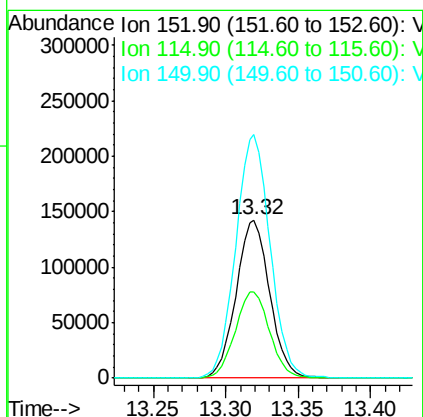
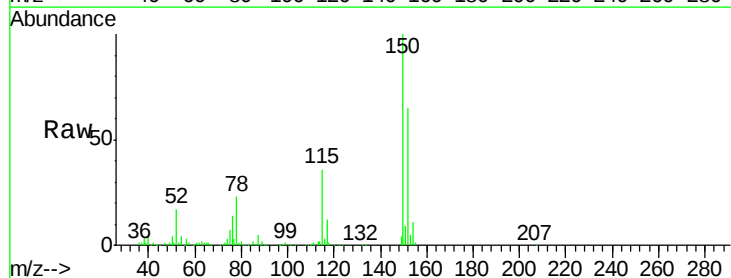
Instrument :
MSVOA_N
ClientSampleId :
PB129410ZHE#03

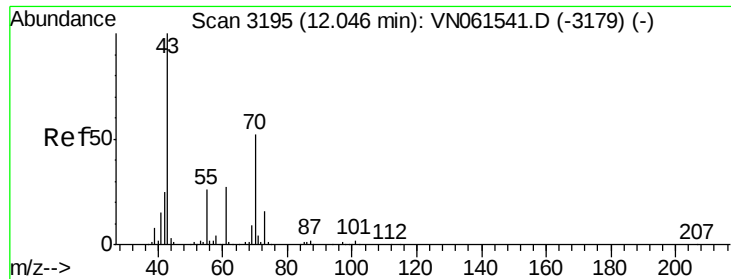
Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	41.5	62.3
119	32.7	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.0	84.0
150	157.4	0.0	344.0

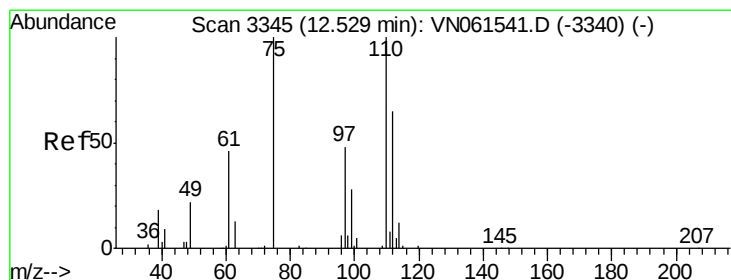
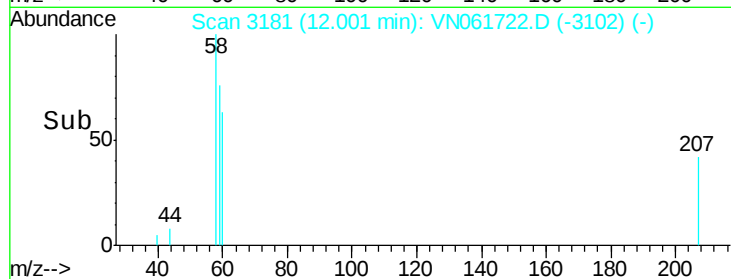
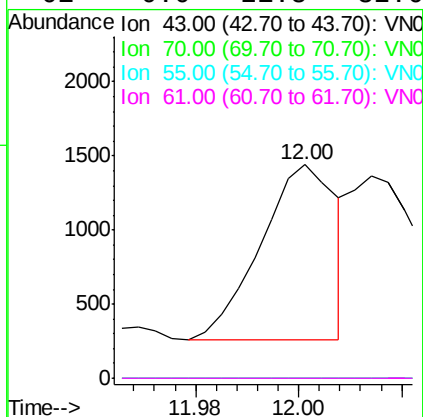
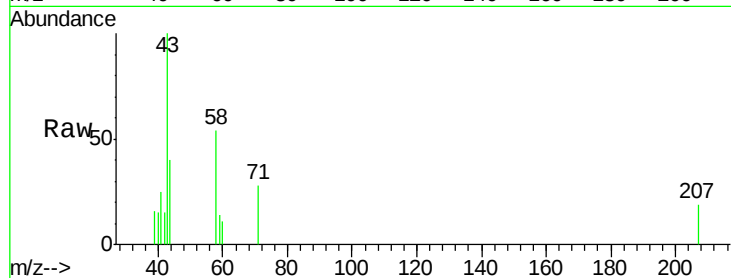




#74
N-amvl acetate
Concen: 0.228 ug/l
RT: 12.00 min Scan# 3181
Delta R.T. -0.05 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

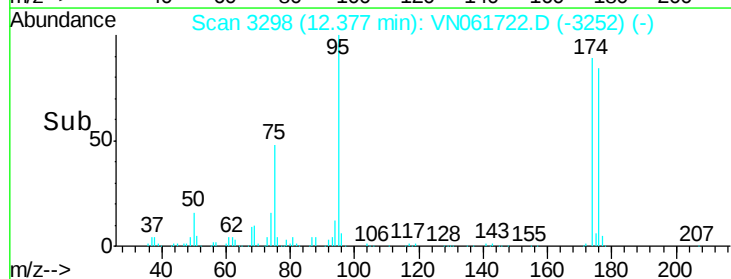
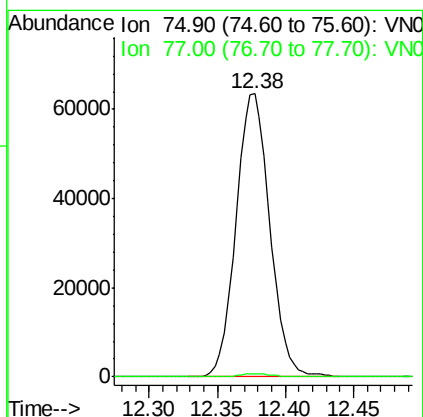
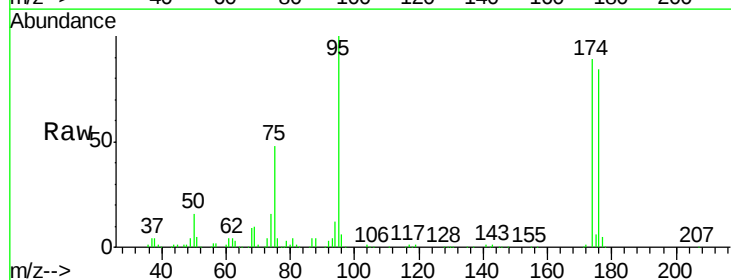
Instrument :
MSVOA_N
ClientSampleId :
PB129410ZHE#03

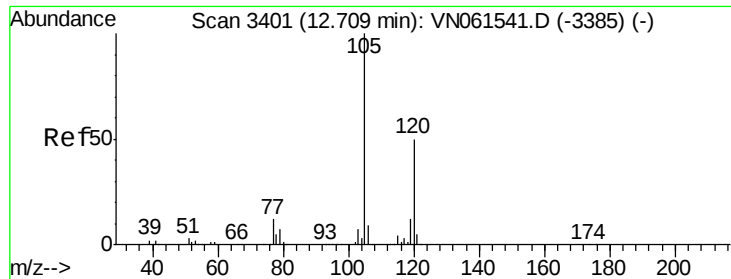
Tot Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
70 0.0 40.5 60.7#
55 0.0 20.6 31.0#
61 0.0 21.8 32.6#



#76
1,2,3-Trichloropropane
Concen: 26.124 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN061722.D
Acq: 9 Jun 2020 13:40

Tgt Ion: 75 Resp: 109104
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

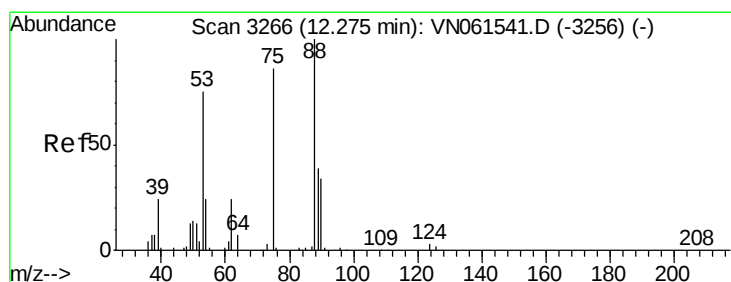
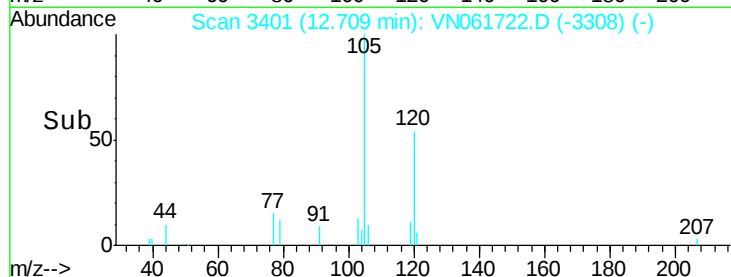
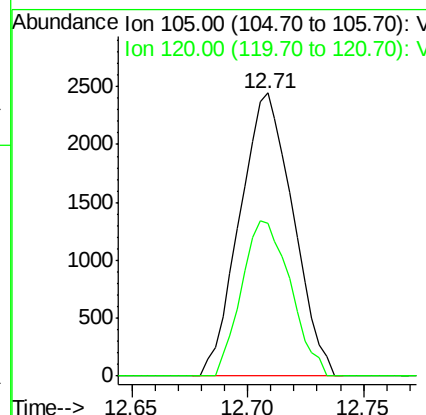
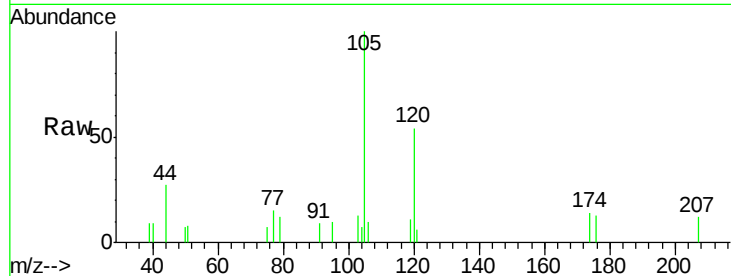




#80
 1,3,5-Trimethylbenzene
 Concen: 0.279 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061722.D
 Acq: 9 Jun 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129410ZHE#03

Tot Ion:105 Resp: 3906
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.807 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061722.D
 Acq: 9 Jun 2020 13:40

Tgt Ion: 75 Resp: 109104
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

