

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061120\
 Data File : VN061772.D
 Acq On : 12 Jun 2020 6:27
 Operator : JC/MD
 Sample : PB129452ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#02

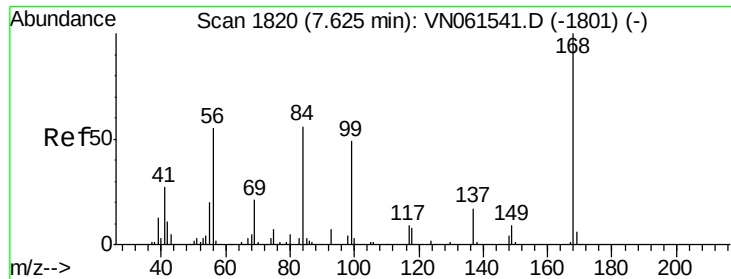
Quant Time: Jun 12 08:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	292319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	498849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	513374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	223276	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	163176	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	7.55	113	133990	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
50) Toluene-d8	10.06	98	618702	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.38	95	216184	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	17429	12.26	ug/l	94
18) Methyl Acetate	4.28	43	1230	0.39	ug/l #	50
20) Methylene Chloride	4.50	84	12645	2.34	ug/l	91
25) 2-Butanone	6.80	43	3035	1.84	ug/l	95
29) Tetrahydrofuran	7.16	42	277	0.25	ug/l #	25
31) Cyclohexane	7.63	56	5165	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	20026	4.53	ug/l #	48
38) Carbon Tetrachloride	7.63	117	28251	6.63	ug/l #	15
41) Methacrylonitrile	7.17	41	420	0.26	ug/l #	8
43) Isopropyl Acetate	8.13	43	60695	9.48	ug/l #	91
45) 1,2-Dichloropropane	9.24	63	1434	0.44	ug/l #	44
48) Methyl methacrylate	9.15	41	3201	1.11	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	7856	2.18	ug/l	88
54) cis-1,3-Dichloropropene	9.87	75	35676	6.26	ug/l #	64
56) Ethyl methacrylate	10.51	69	1459	0.29	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6194	1.09	ug/l #	42
59) 2-Hexanone	10.74	43	65358	25.24	ug/l #	48
71) Bromoform	12.38	173	1331	0.43	ug/l #	1
74) N-amyl acetate	12.01	43	1720	0.34	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	102853	25.33	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	3951	0.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	102853	64.78	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

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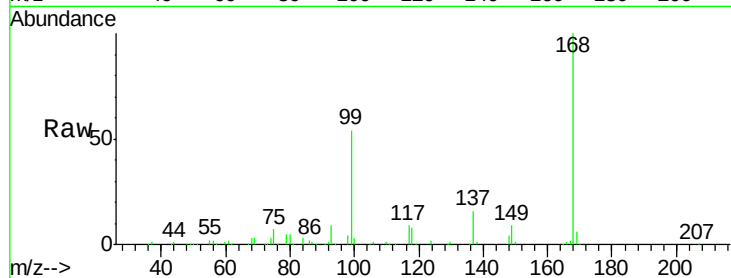
PB129452ZHE#02

Tgt Ion: 168 Resp: 292319

Ion Ratio Lower Upper

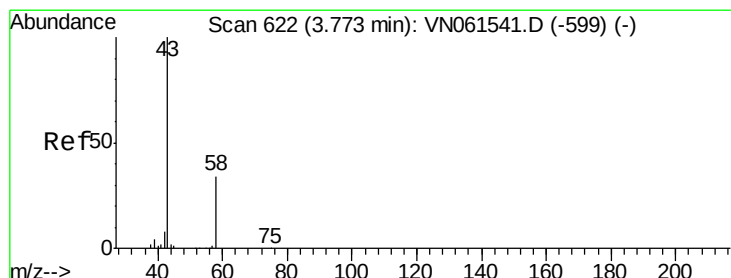
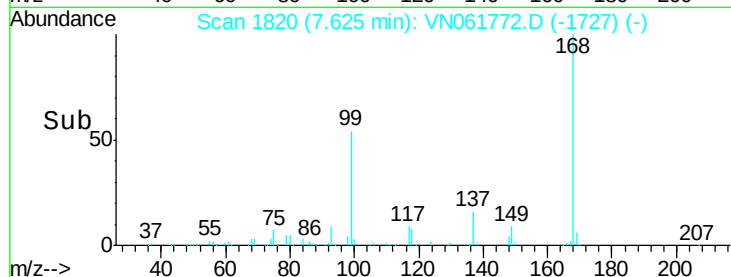
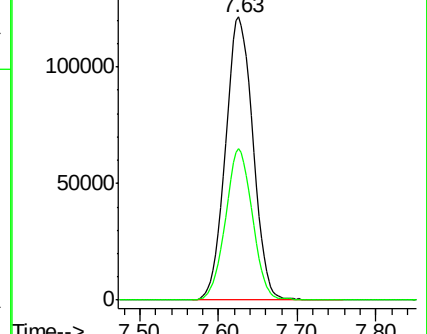
168 100

99 53.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 12.26 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061772.D

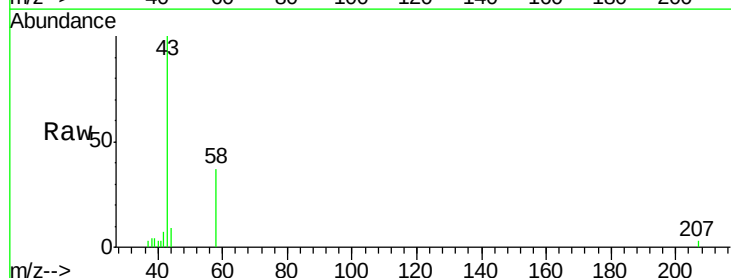
Acq: 12 Jun 2020 6:27

Tgt Ion: 43 Resp: 17429

Ion Ratio Lower Upper

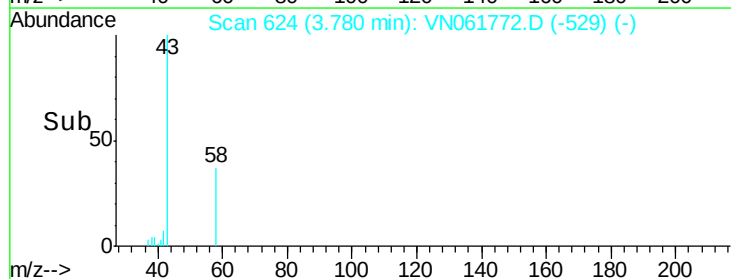
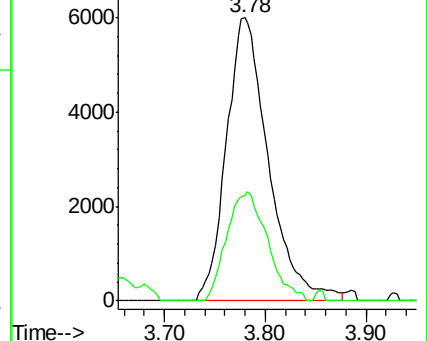
43 100

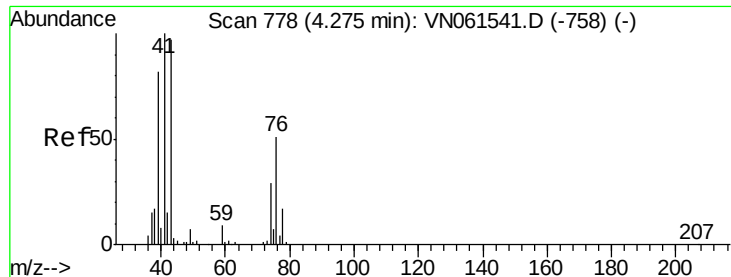
58 37.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

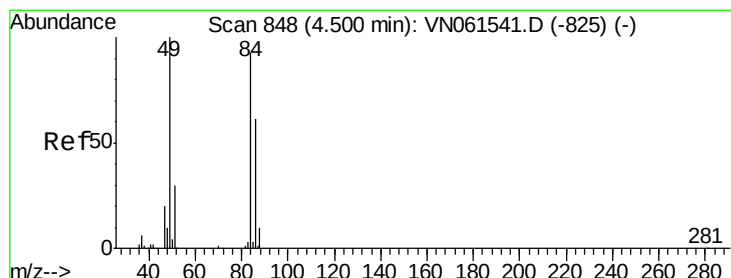
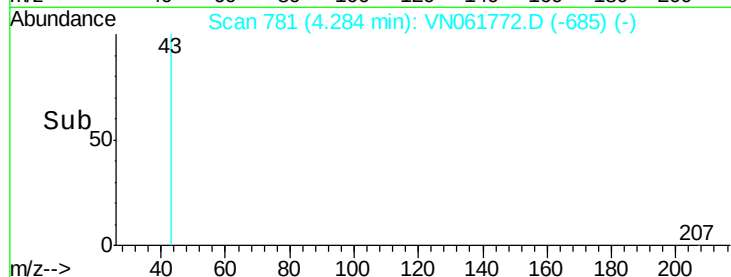
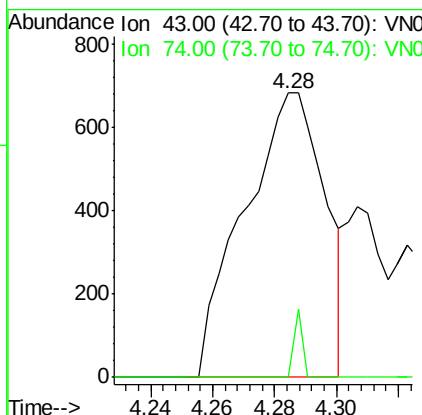
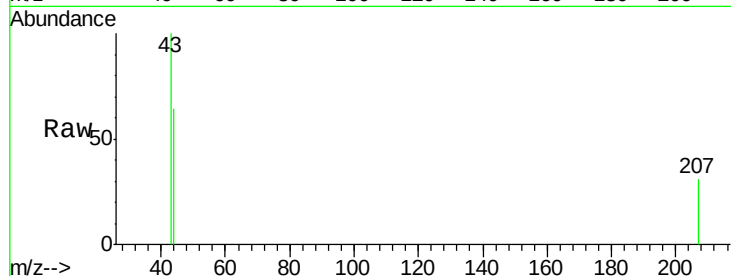




#18
Methyl Acetate
Concen: 0.39 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

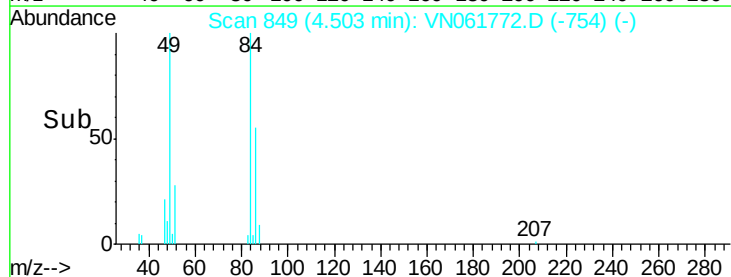
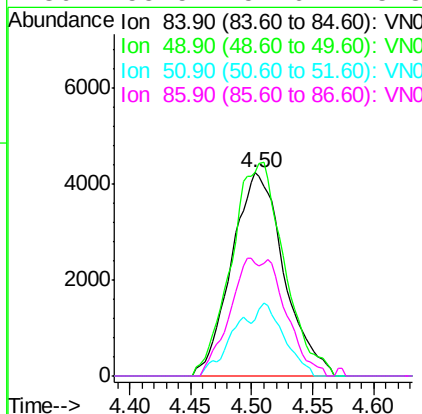
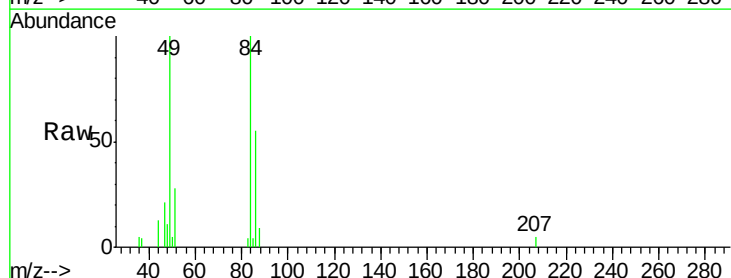
Instrument :
MSVOA_N
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PB129452ZHE#02

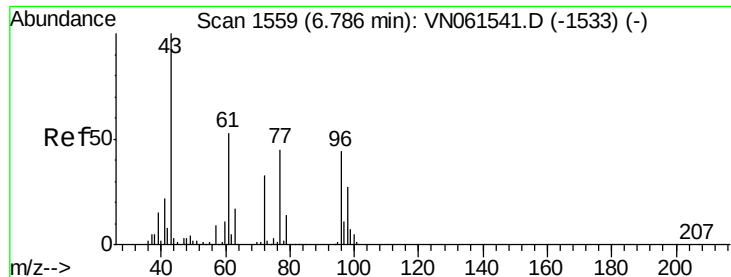
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
74 2.5 23.2 34.8#



#20
Methylene Chloride
Concen: 2.34 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

Tgt Ion: 84 Resp: 12645
Ion Ratio Lower Upper
84 100
49 100.2 85.8 128.8
51 28.0 26.2 39.2
86 55.5 52.6 78.8

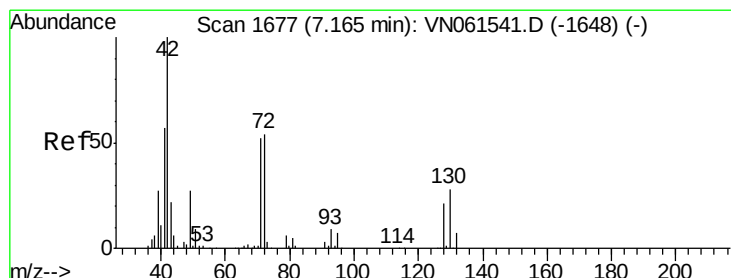
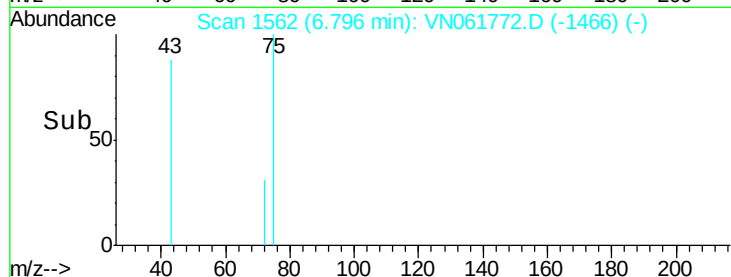
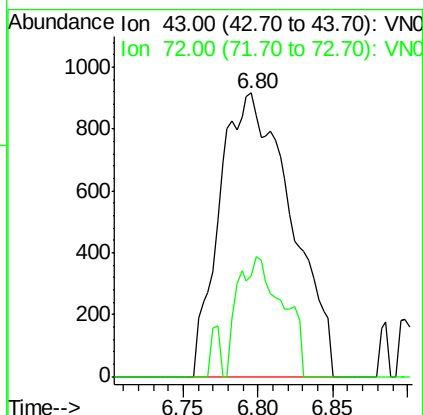
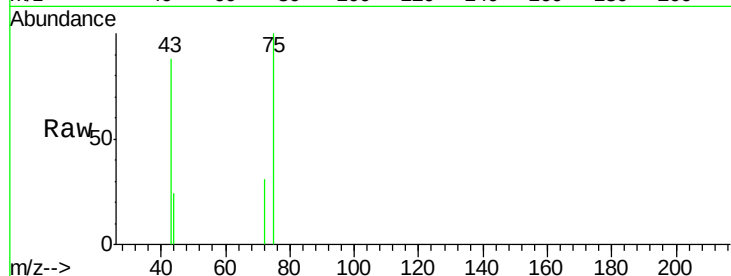




#25
2-Butanone
Concen: 1.84 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

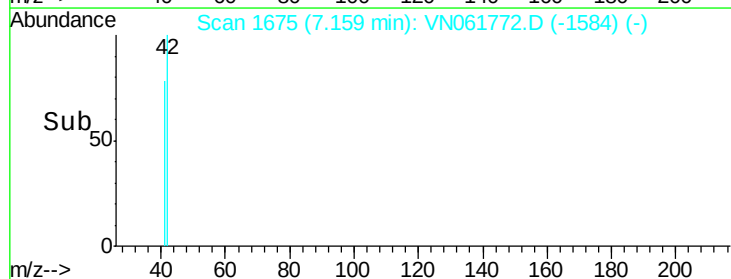
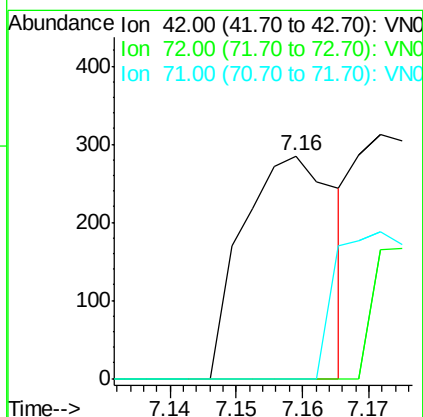
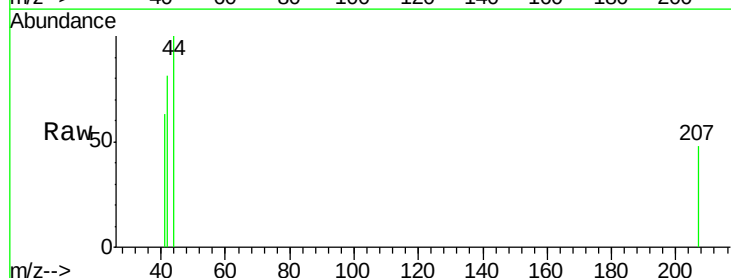
Instrument :
MSVOA_N
ClientSampleId :
PB129452ZHE#02

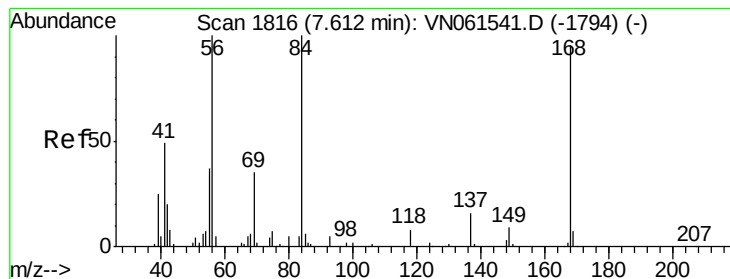
Tgt Ion: 43 Resp: 3035
Ion Ratio Lower Upper
43 100
72 35.3 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

Tgt Ion: 42 Resp: 277
Ion Ratio Lower Upper
42 100
72 0.0 43.6 65.4#
71 0.0 41.2 61.8#





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061772.D

Acq: 12 Jun 2020 6:27

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#02

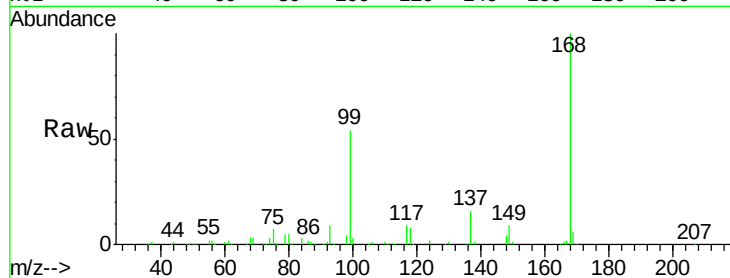
Tgt Ion: 56 Resp: 5165

Ion Ratio Lower Upper

56 100

69 182.5 27.8 41.8#

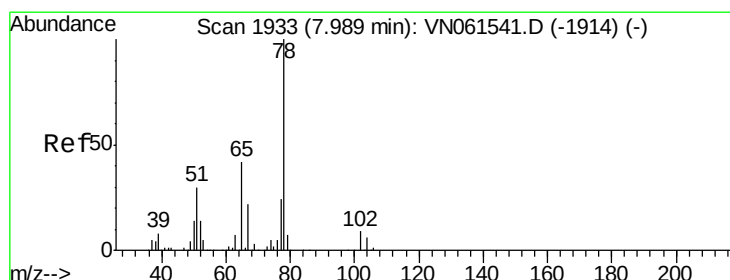
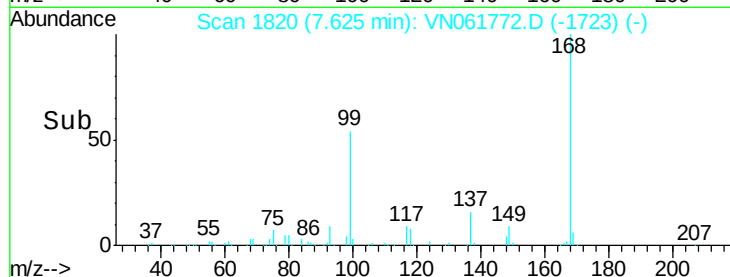
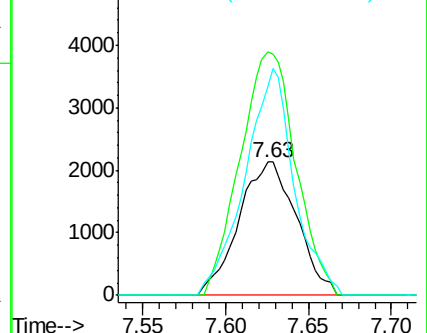
84 156.8 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061772.D (-1820) (-)

Ion 69.00 (68.70 to 69.70): VN061772.D (-1820) (-)

Ion 84.00 (83.70 to 84.70): VN061772.D (-1820) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.85 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061772.D

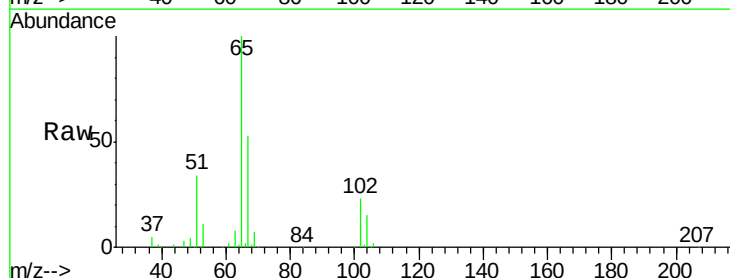
Acq: 12 Jun 2020 6:27

Tgt Ion: 65 Resp: 163176

Ion Ratio Lower Upper

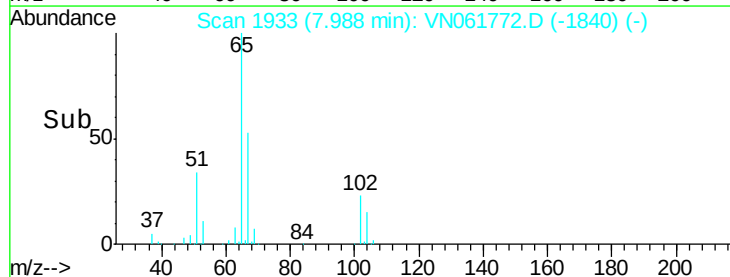
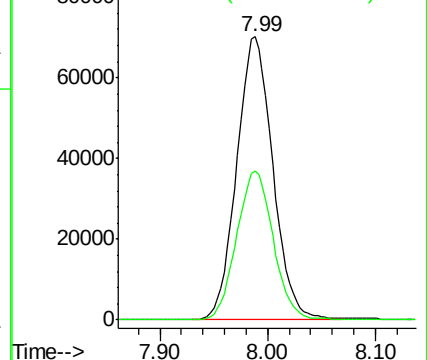
65 100

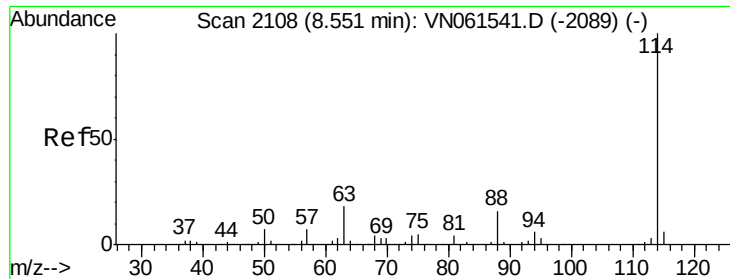
67 53.3 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061772.D (-1933) (-)

Ion 66.90 (66.60 to 67.60): VN061772.D (-1933) (-)

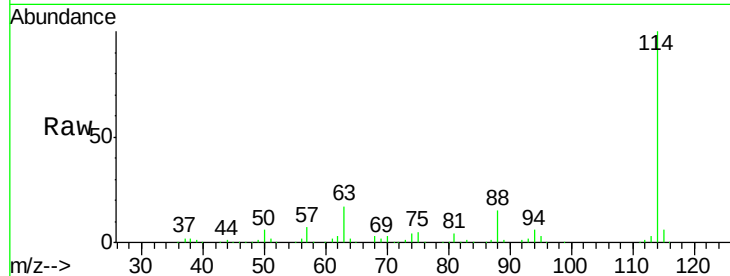




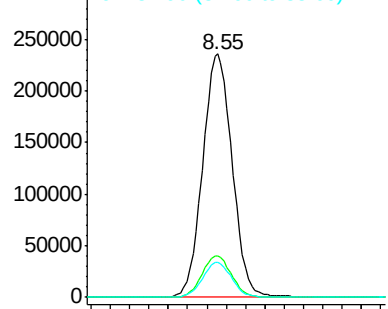
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#02

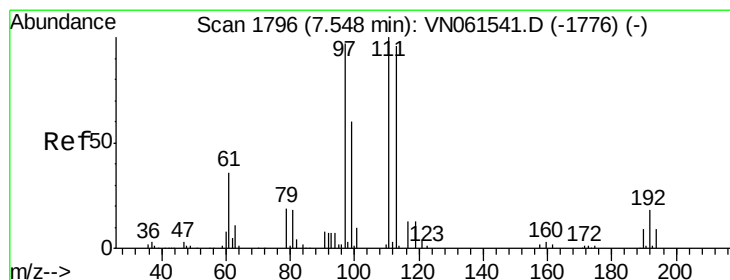
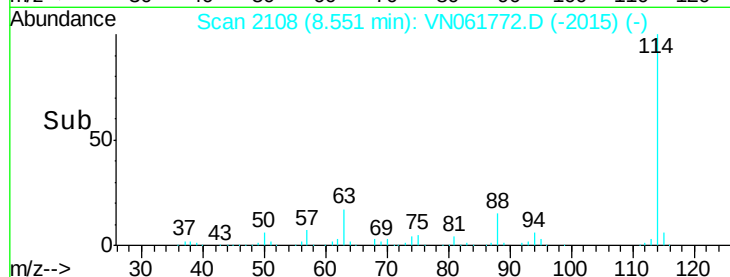
Tgt Ion:114 Resp: 498849
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.8
 88 14.6 0.0 31.0



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

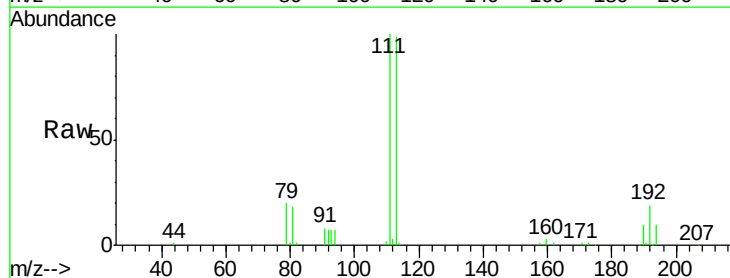


Time-->

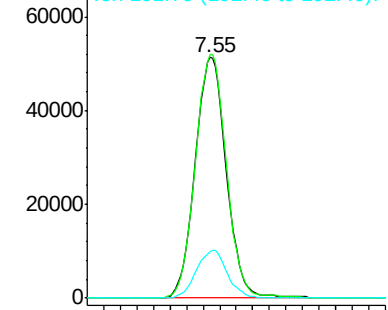


#35
 Dibromofluoromethane
 Concen: 52.95 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

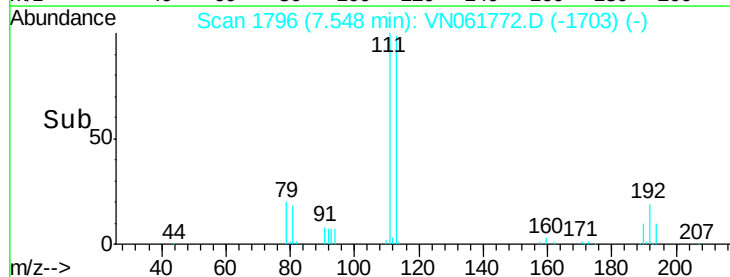
Tgt Ion:113 Resp: 133990
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.4 125.0
 192 19.6 15.4 23.2

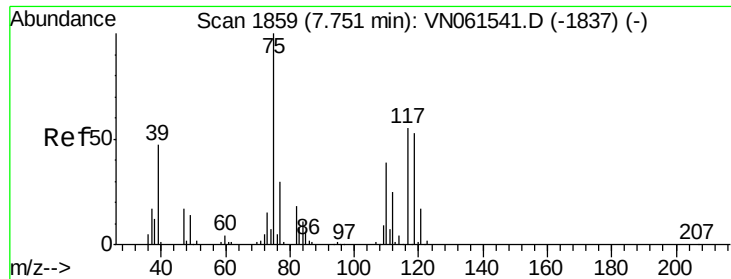


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

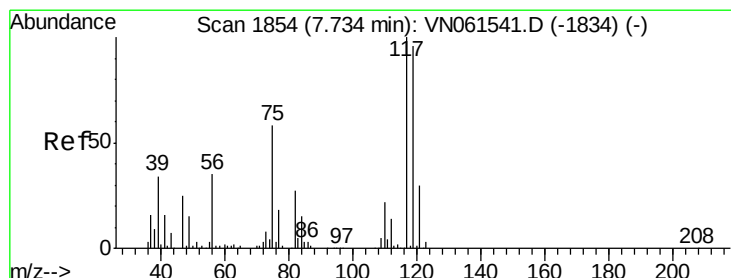
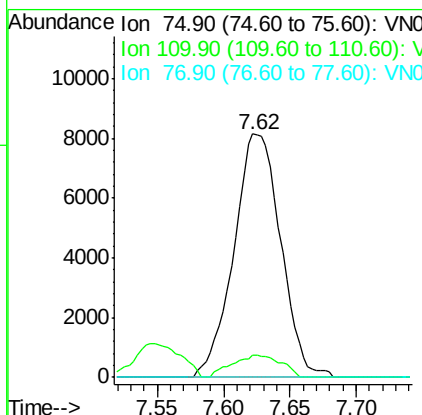
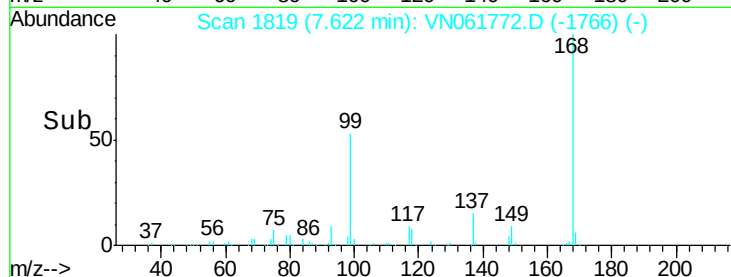
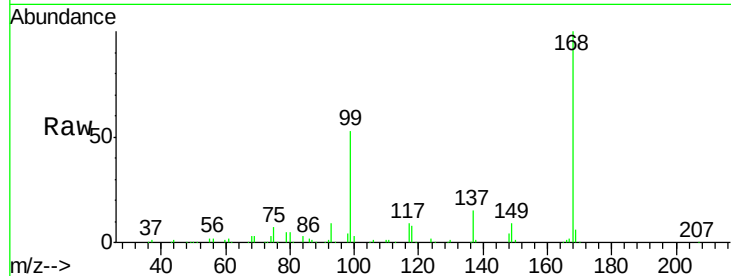




#36
 1,1-Dichloropropene
 Concen: 4.53 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

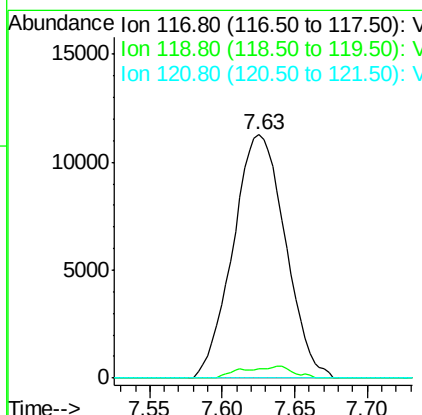
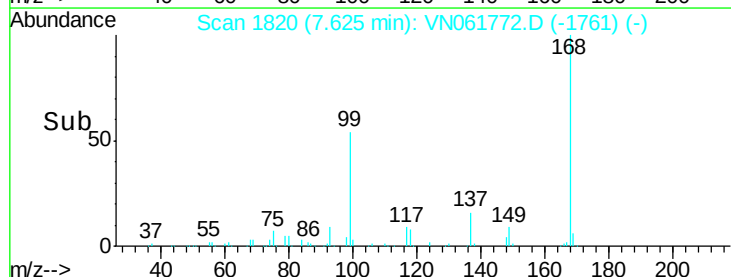
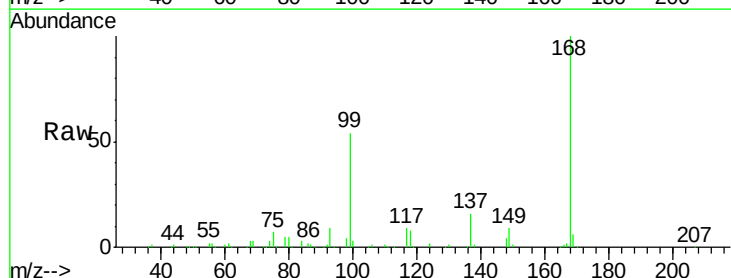
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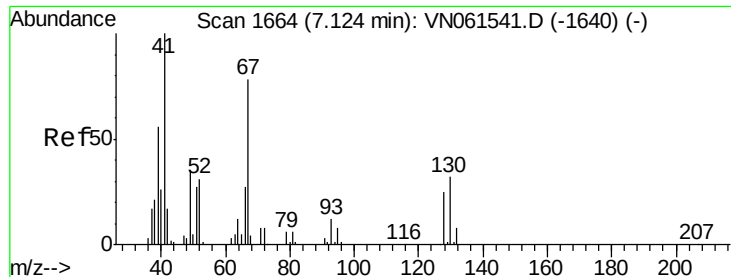
Tgt Ion: 75 Resp: 20026
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.63 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

Tgt Ion: 117 Resp: 28251
 Ion Ratio Lower Upper
 117 100
 119 3.7 76.5 114.7#
 121 0.0 24.1 36.1#

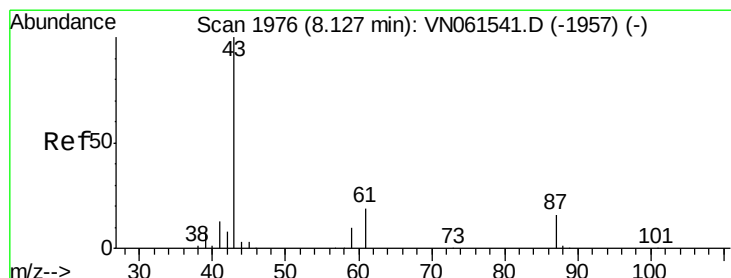
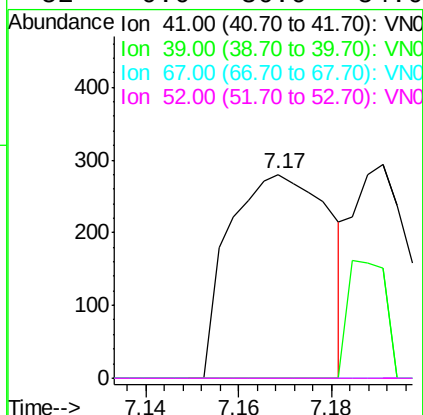
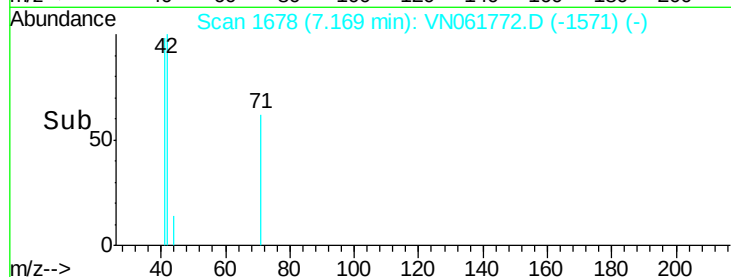
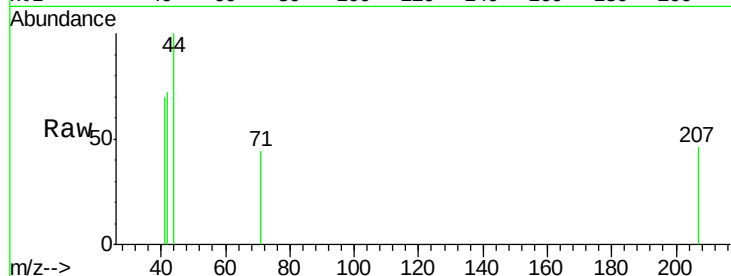




#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

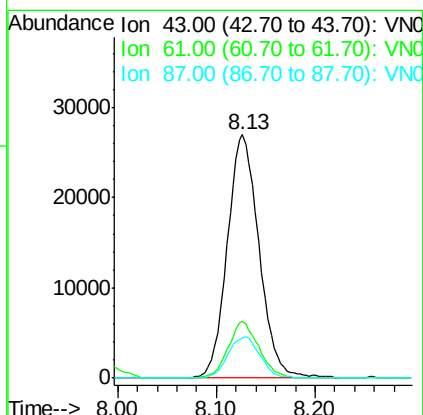
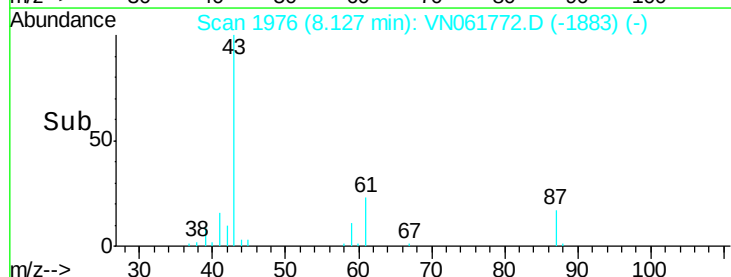
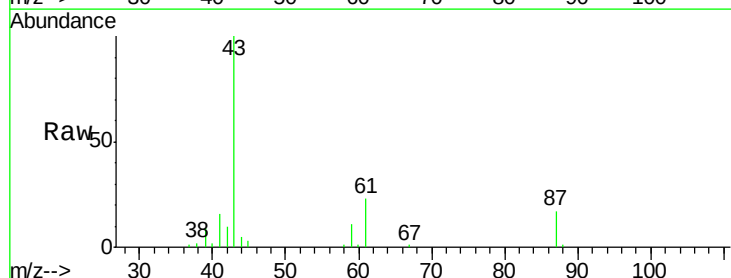
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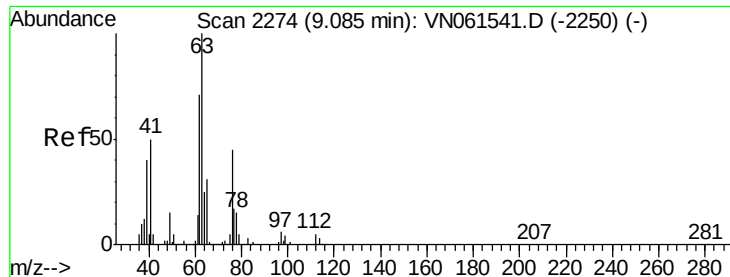
Tgt Ion: 41 Resp: 420
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#43
Isopropyl Acetate
Concen: 9.48 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

Tgt Ion: 43 Resp: 60695
Ion Ratio Lower Upper
43 100
61 22.4 23.6 35.4#
87 16.9 13.0 19.6

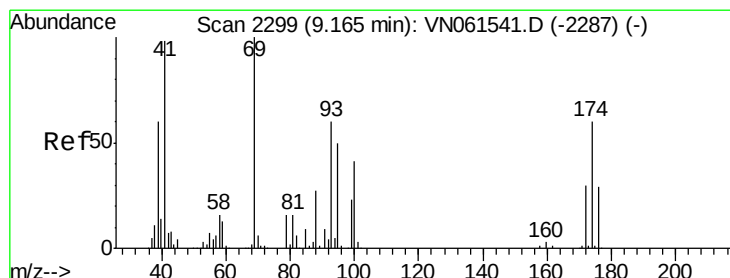
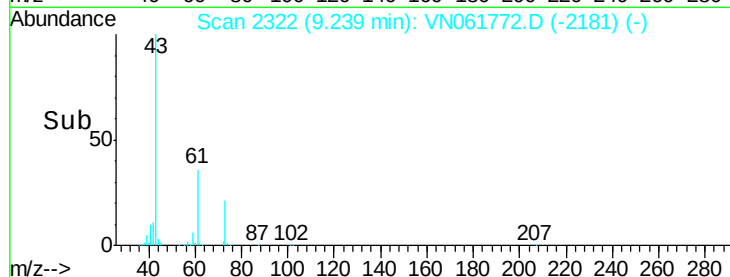
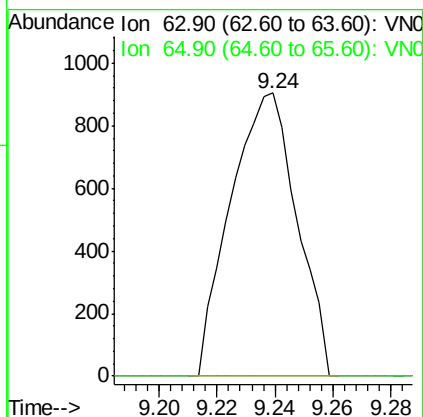
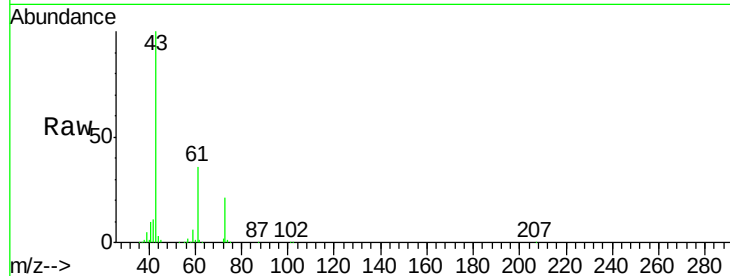




#45
 1,2-Dichloropropane
 Concen: 0.44 ug/l
 RT: 9.24 min Scan# 2322
 Delta R.T. 0.15 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

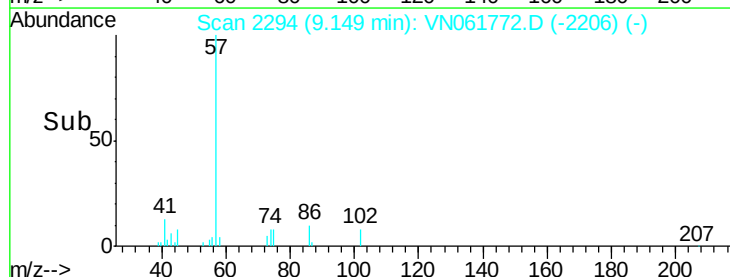
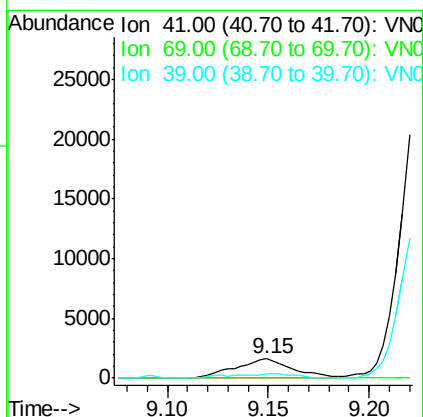
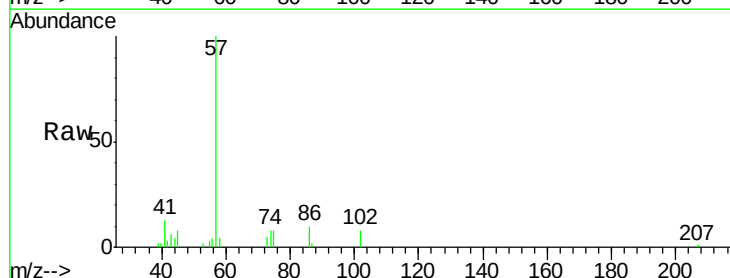
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#02

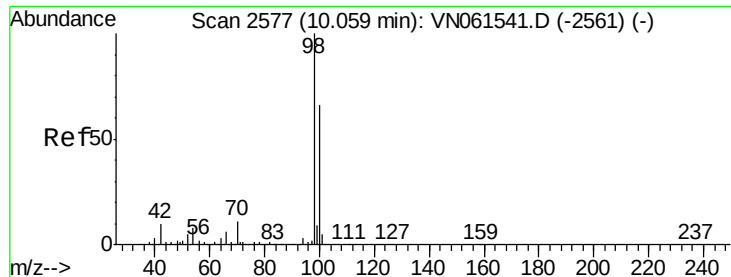
Tgt Ion: 63 Resp: 1434
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.11 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. -0.02 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

Tgt Ion: 41 Resp: 3201
 Ion Ratio Lower Upper
 41 100
 69 0.0 83.9 125.9#
 39 0.0 52.1 78.1#





#50

Toluene-d8

Concen: 52.76 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061772.D

Acq: 12 Jun 2020 6:27

Instrument :

MSVOA_N

ClientSampleId :

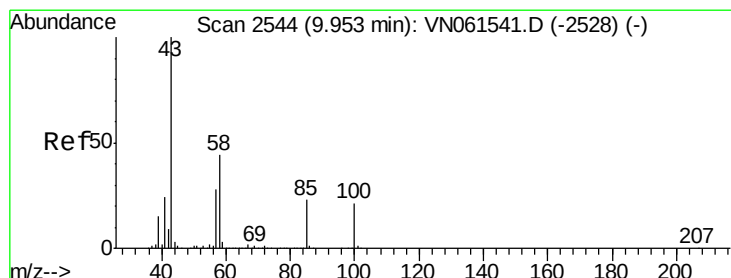
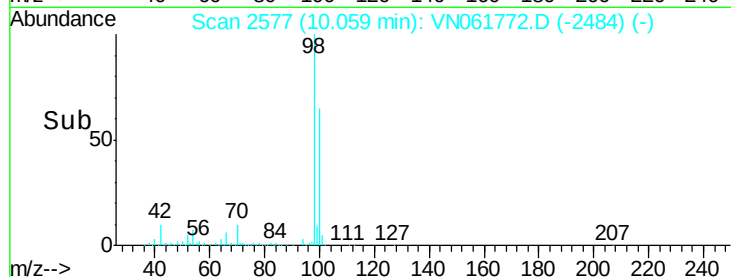
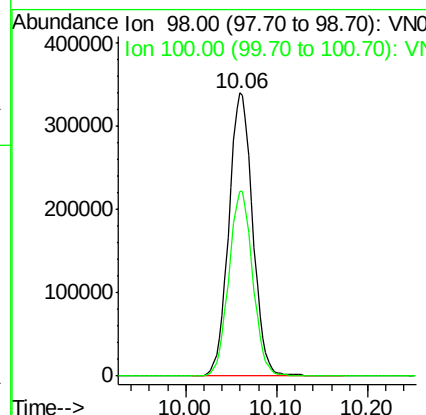
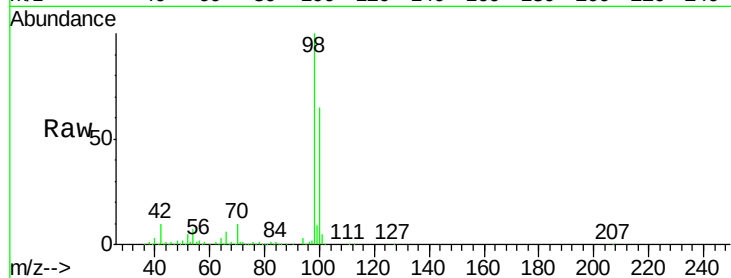
PB129452ZHE#02

Tgt Ion: 98 Resp: 618702

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 2.18 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061772.D

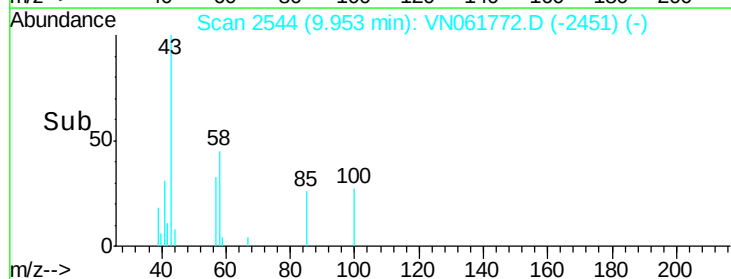
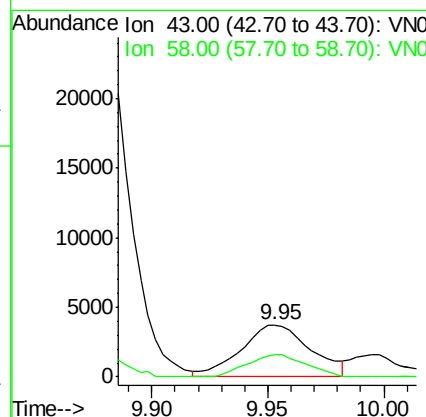
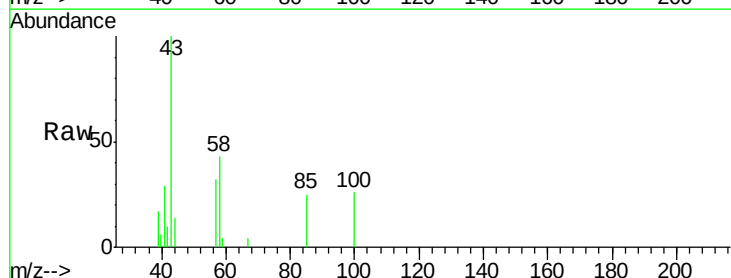
Acq: 12 Jun 2020 6:27

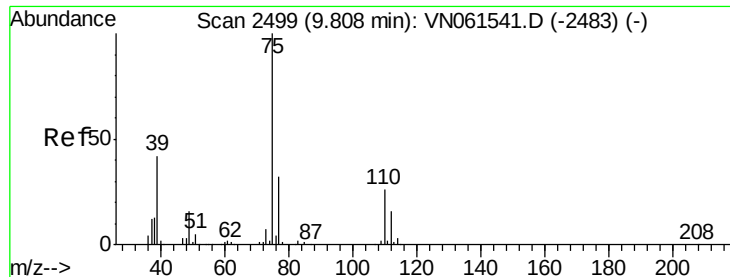
Tgt Ion: 43 Resp: 7856

Ion Ratio Lower Upper

43 100

58 36.2 35.0 52.6

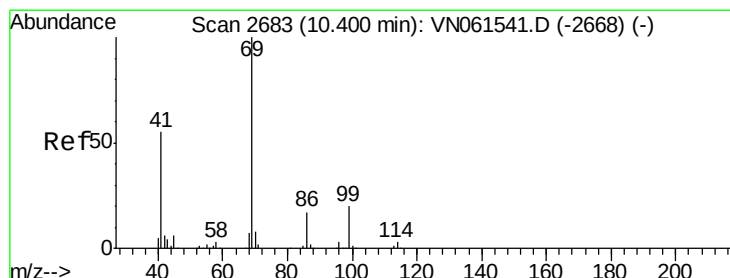
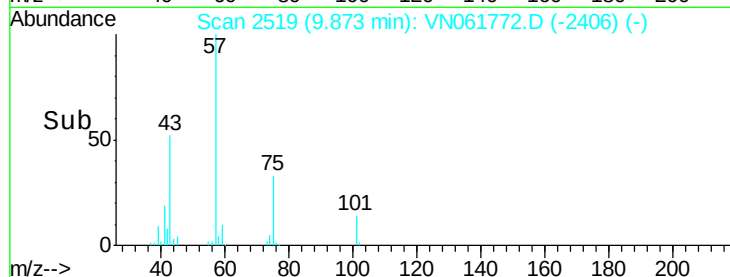
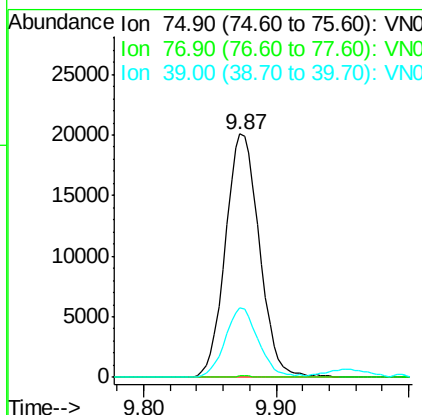
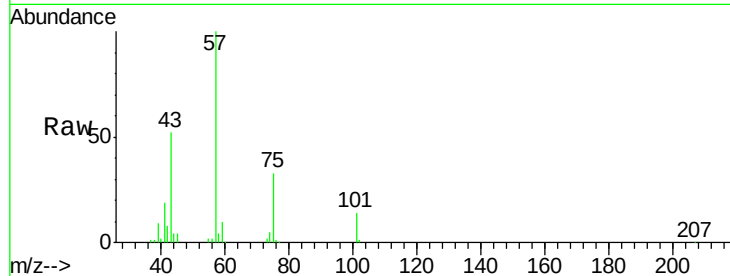




#54
 cis-1,3-Dichloropropene
 Concen: 6.26 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

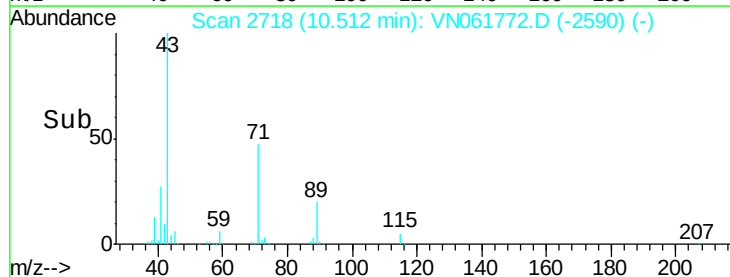
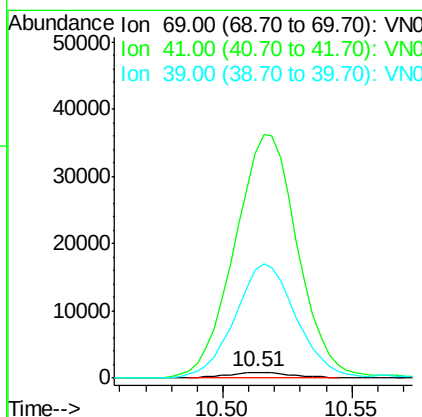
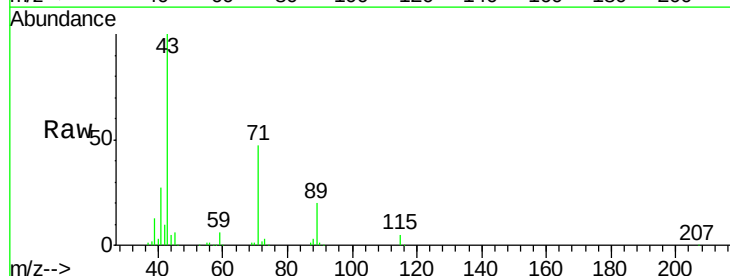
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#02

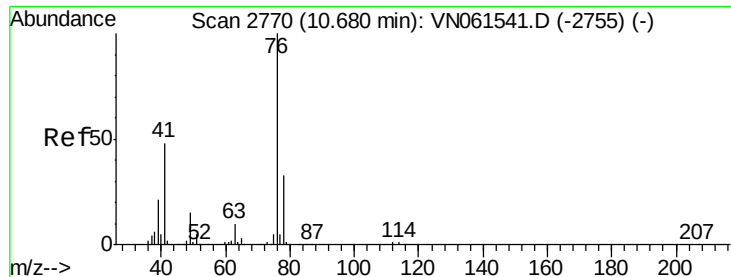
Tgt Ion: 75 Resp: 35676
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.4 38.2#
 39 28.4 33.8 50.6#



#56
 Ethyl methacrylate
 Concen: 0.29 ug/l
 RT: 10.51 min Scan# 2718
 Delta R.T. 0.11 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

Tgt Ion: 69 Resp: 1459
 Ion Ratio Lower Upper
 69 100
 41 4256.3 43.5 65.3#
 39 1940.4 27.0 40.6#

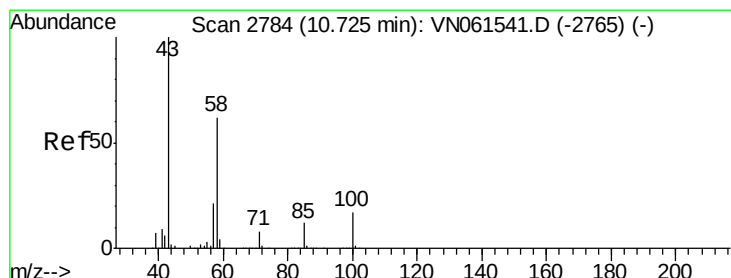
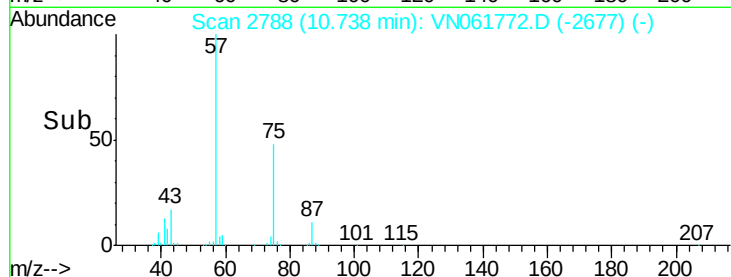
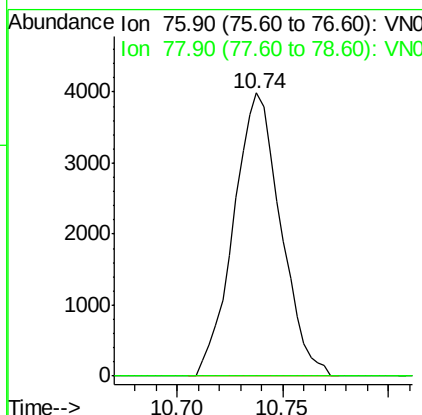
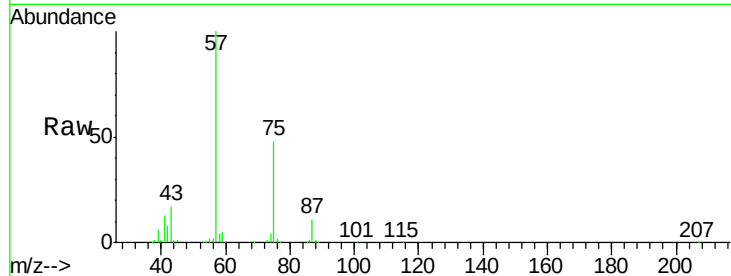




#57
 1,3-Dichloropropane
 Concen: 1.09 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

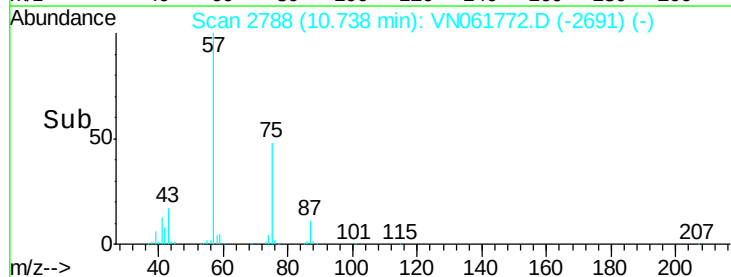
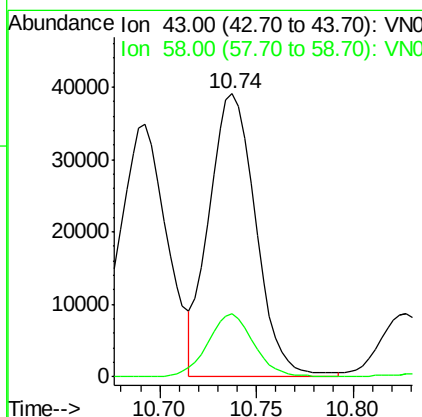
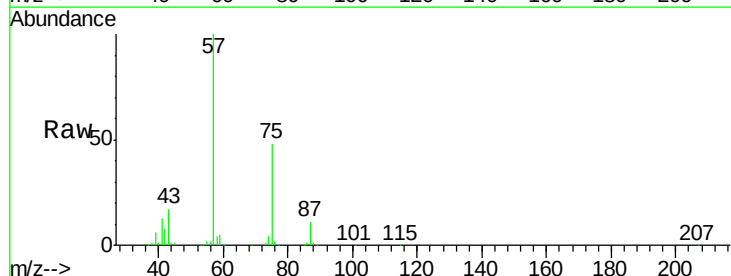
Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#02

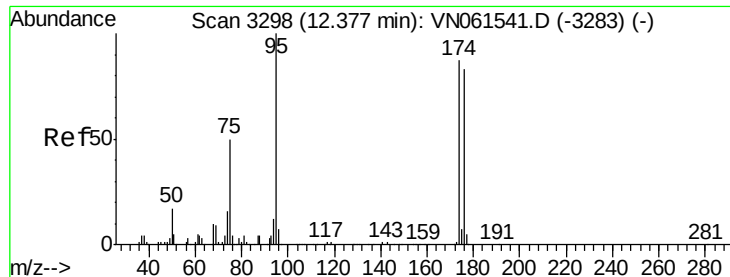
Tgt Ion: 76 Resp: 6194
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 25.24 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

Tgt Ion: 43 Resp: 65358
 Ion Ratio Lower Upper
 43 100
 58 22.0 30.7 92.1#

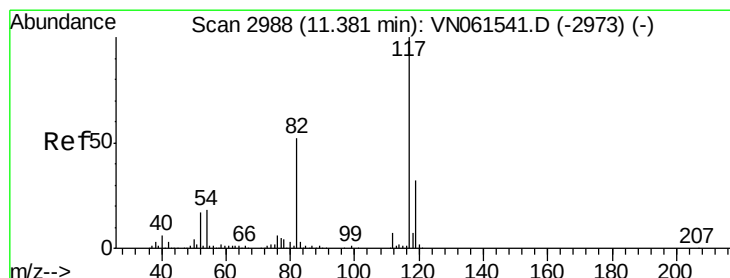
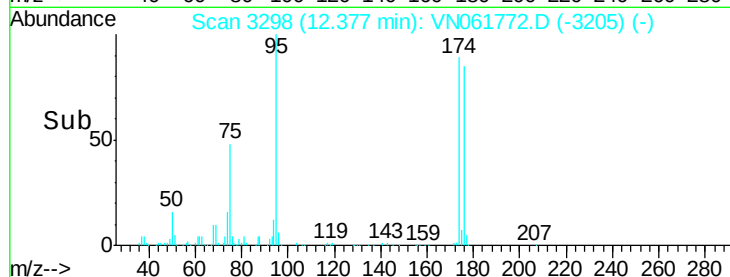
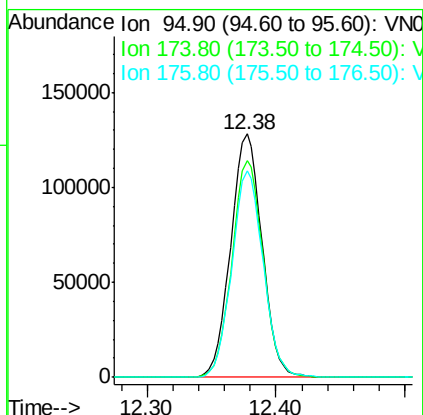
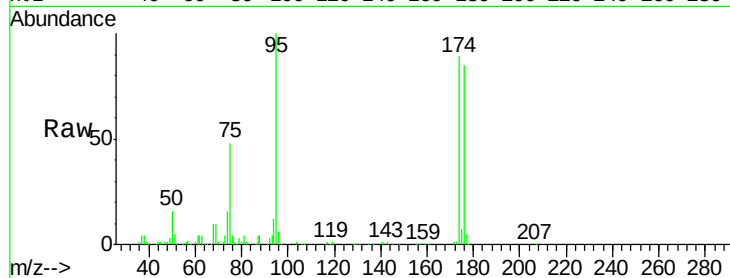




#62
4-Bromofluorobenzene
Concen: 50.53 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

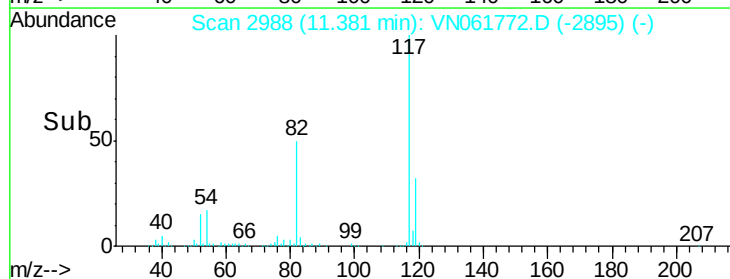
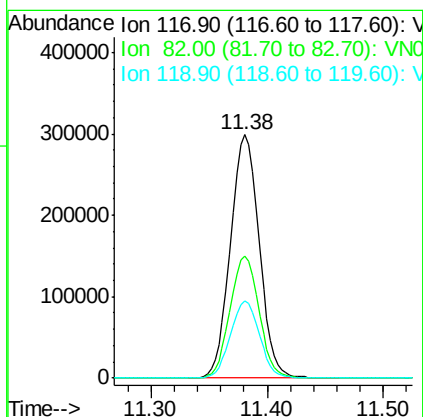
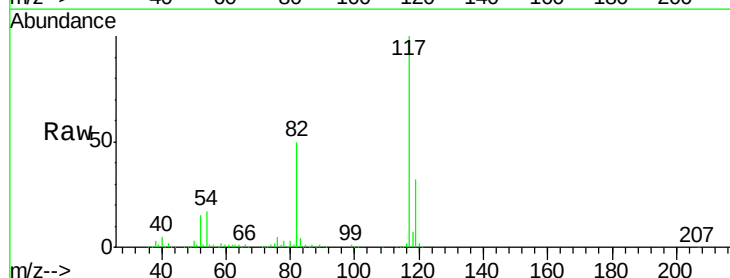
Instrument :
MSVOA_N
ClientSampleId :
PB129452ZHE#02

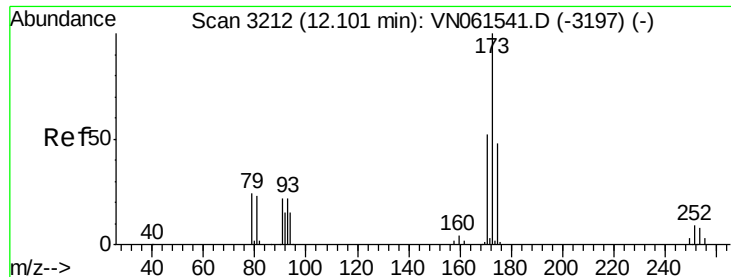
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	172.8
176	84.7	0.0	164.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061772.D
Acq: 12 Jun 2020 6:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.5	62.3
119	31.6	25.6	38.4





#71

Bromoform

Concen: 0.43 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061772.D

Acq: 12 Jun 2020 6:27

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#02

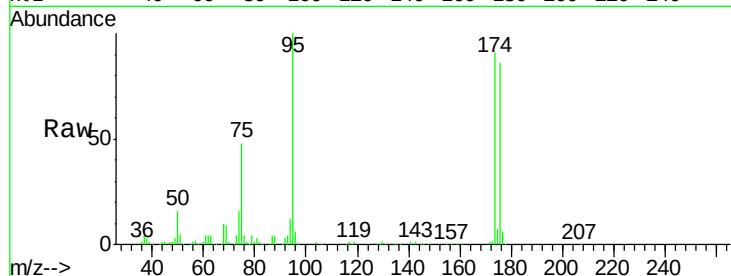
Tgt Ion:173 Resp: 1331

Ion Ratio Lower Upper

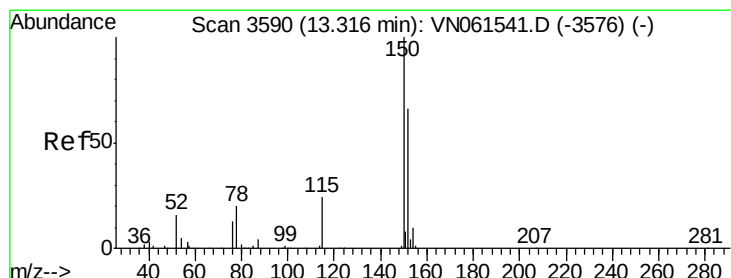
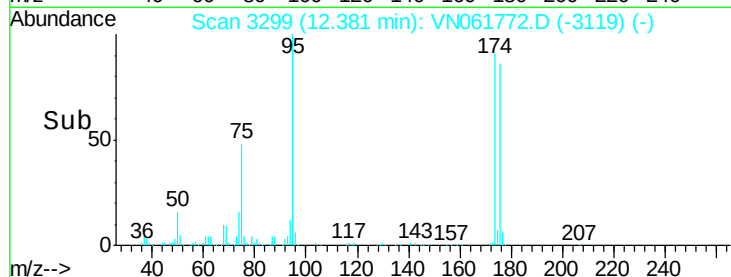
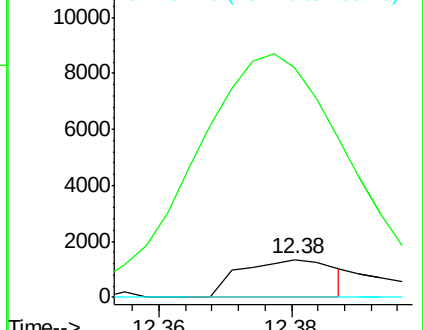
173 100

175 918.6 24.4 73.2#

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: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061772.D

Acq: 12 Jun 2020 6:27

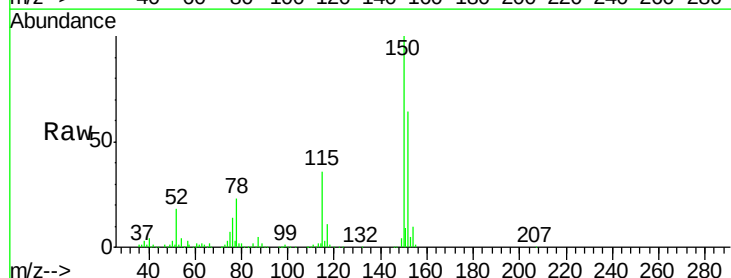
Tgt Ion:152 Resp: 223276

Ion Ratio Lower Upper

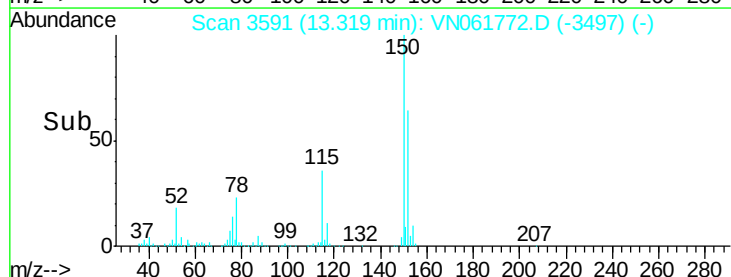
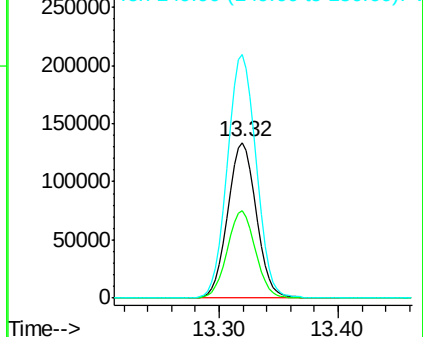
152 100

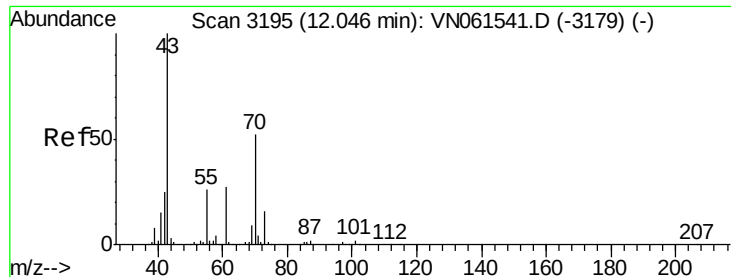
115 55.3 28.0 84.0

150 158.0 0.0 344.0



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: 0.34 ug/l

RT: 12.01 min Scan# 3184

Delta R.T. -0.04 min

Lab File: VN061772.D

Acq: 12 Jun 2020 6:27

Instrument :

MSVOA_N

ClientSampleId :

PB129452ZHE#02

Tgt Ion: 43 Resp: 1720

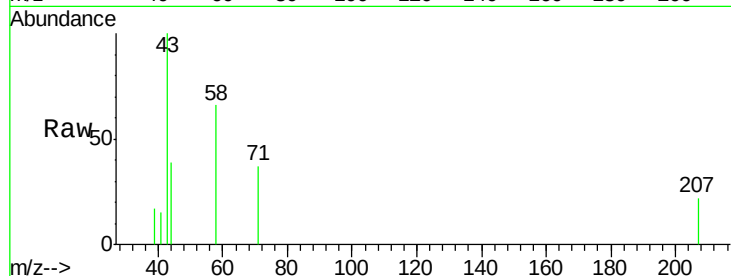
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 0.0 20.6 31.0#

61 0.0 21.8 32.6#

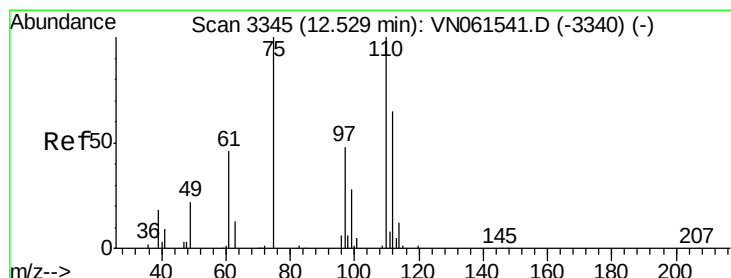
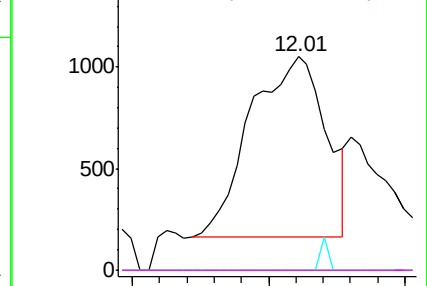
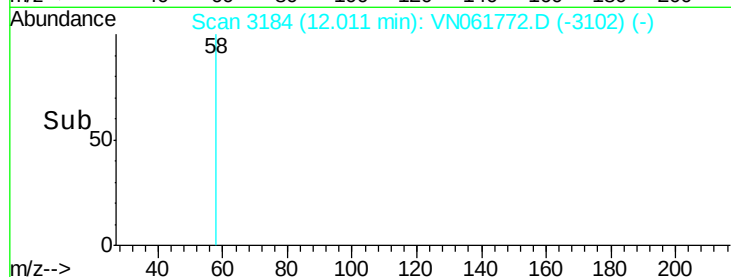


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 25.33 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061772.D

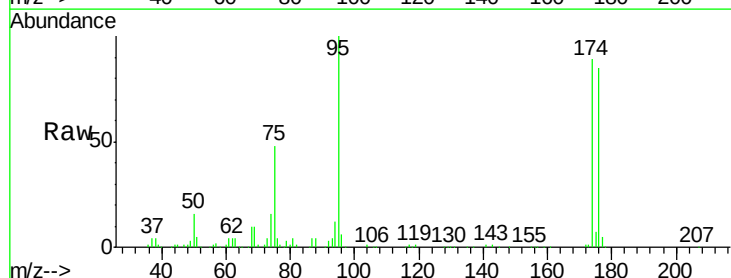
Acq: 12 Jun 2020 6:27

Tgt Ion: 75 Resp: 102853

Ion Ratio Lower Upper

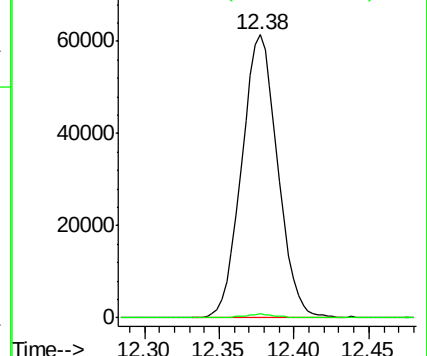
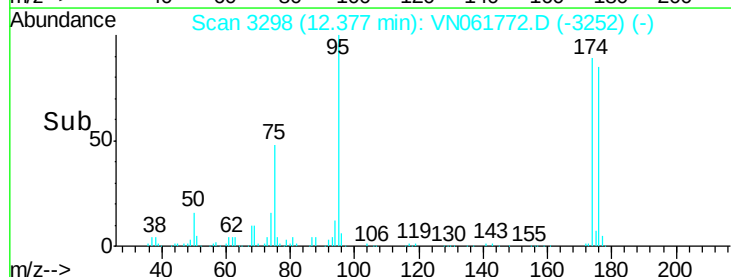
75 100

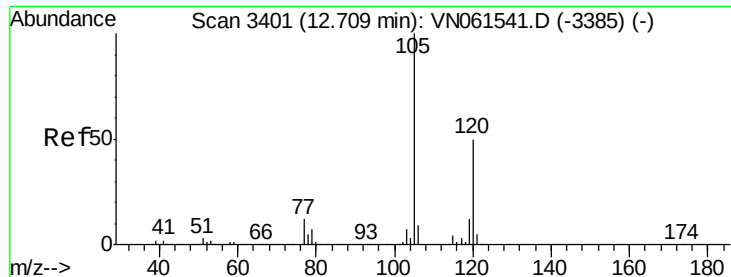
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

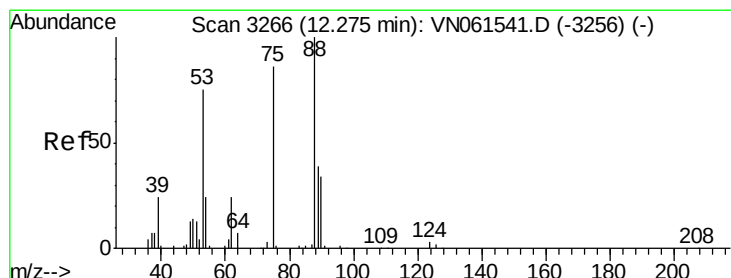
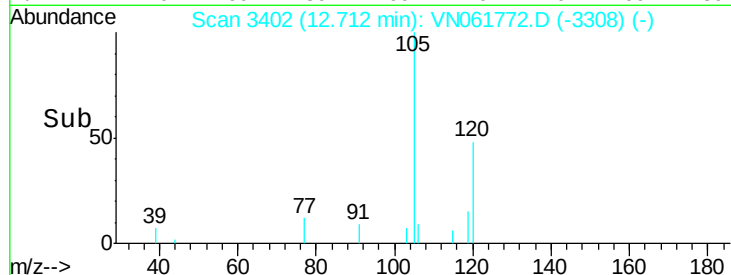
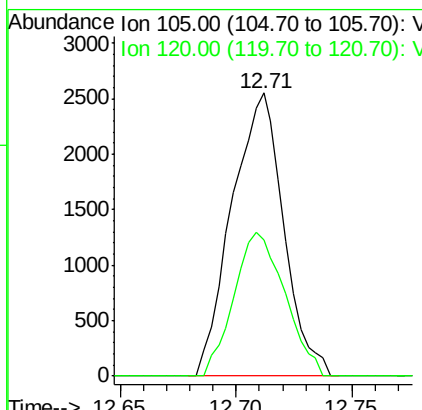
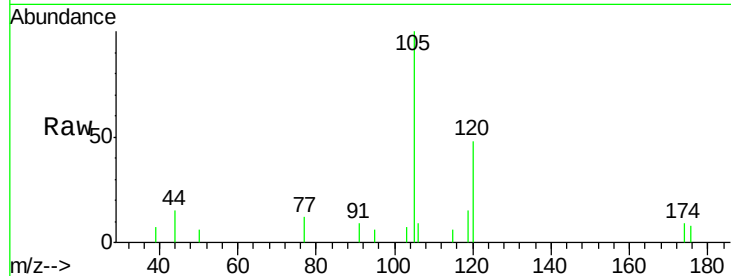




#80
 1,3,5-Trimethylbenzene
 Concen: 0.29 ug/l
 RT: 12.71 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129452ZHE#02

Tgt Ion: 105 Resp: 3951
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.78 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061772.D
 Acq: 12 Jun 2020 6:27

Tgt Ion: 75 Resp: 102853
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

