

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061694.D
 Acq On : 8 Jun 2020 14:34
 Operator : JC/MD
 Sample : PB129392TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129392TB

Quant Time: Jun 09 03:12:02 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	311315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	528789	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	547002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	247320	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	179147	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
35) Dibromofluoromethane	7.55	113	140994	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
50) Toluene-d8	10.06	98	649479	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.38	95	238218	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	

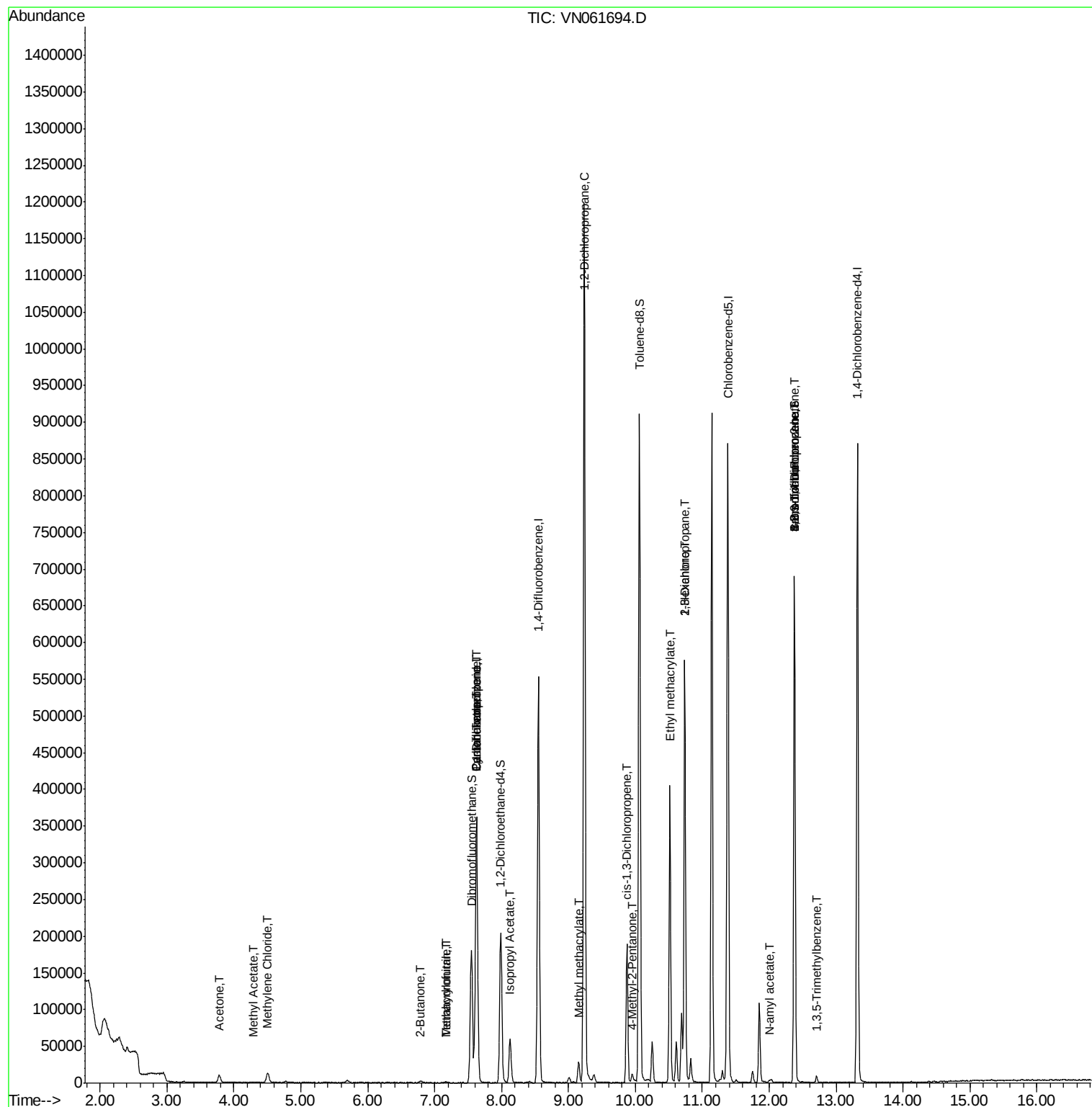
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	16401	10.09	ug/l	100
18) Methyl Acetate	4.29	43	1817	0.54	ug/l #	71
20) Methylene Chloride	4.51	84	10165	1.32	ug/l	93
25) 2-Butanone	6.79	43	3026	1.72	ug/l	89
29) Tetrahydrofuran	7.17	42	659	0.57	ug/l #	85
31) Cyclohexane	7.62	56	5261	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	20882	4.46	ug/l #	48
38) Carbon Tetrachloride	7.63	117	29786	6.60	ug/l #	16
41) Methacrylonitrile	7.17	41	364	0.21	ug/l #	15
43) Isopropyl Acetate	8.13	43	67530	9.96	ug/l #	91
45) 1,2-Dichloropropane	9.23	63	1519	0.44	ug/l #	44
48) Methyl methacrylate	9.15	41	3232	1.06	ug/l #	5
51) 4-Methyl-2-Pentanone	9.95	43	7675	2.01	ug/l	95
54) cis-1,3-Dichloropropene	9.87	75	38357	6.35	ug/l #	62
56) Ethyl methacrylate	10.51	69	1396	0.27	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	6676	1.11	ug/l #	42
59) 2-Hexanone	10.74	43	70233	25.58	ug/l #	50
71) Bromoform	12.38	173	2202	0.67	ug/l #	1
74) N-amyl acetate	12.01	43	2718	0.48	ug/l #	38
76) 1,2,3-Trichloropropane	12.37	75	116606	25.93	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	5377	0.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	116606	66.31	ug/l #	15

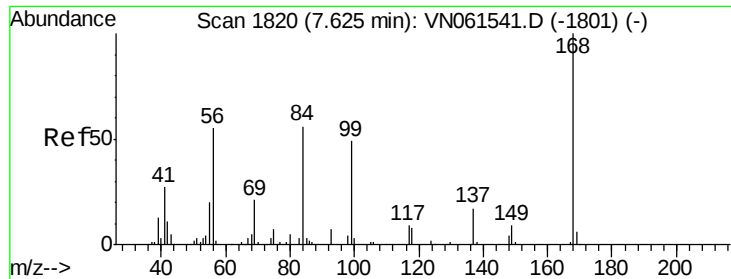
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

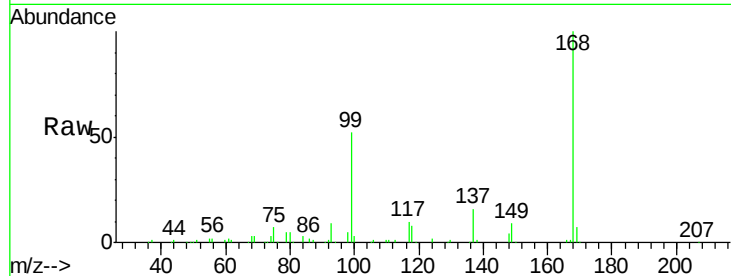
PB129392TB

Tgt Ion:168 Resp: 311315

Ion Ratio Lower Upper

168 100

99 52.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

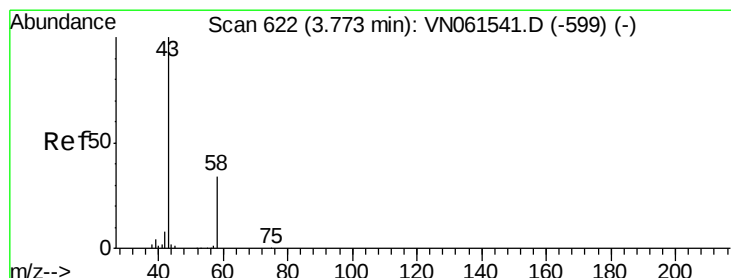
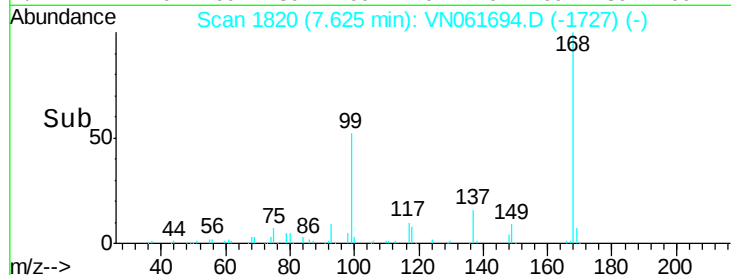
150000

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#16

Acetone

Concen: 10.09 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061694.D

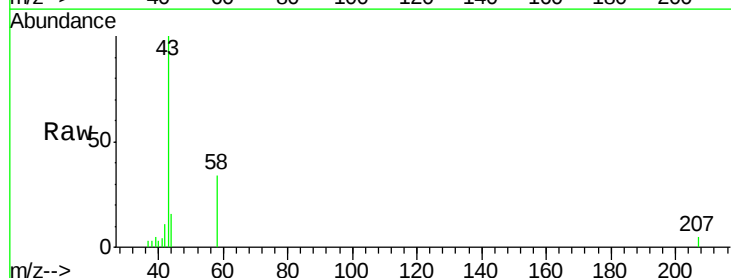
Acq: 8 Jun 2020 14:34

Tgt Ion: 43 Resp: 16401

Ion Ratio Lower Upper

43 100

58 34.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

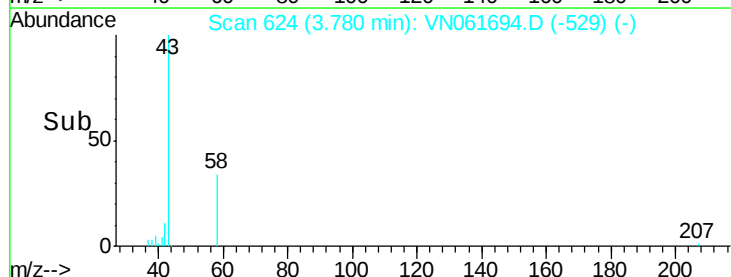
6000

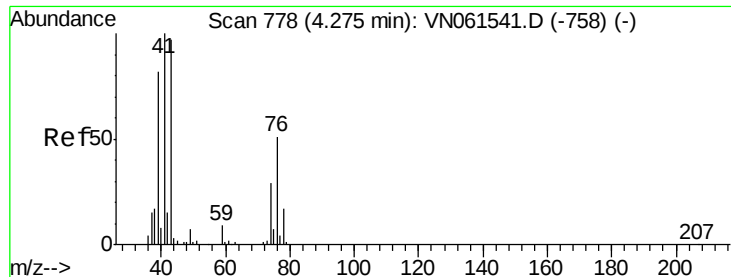
4000

2000

0

Time--> 3.70 3.75 3.80 3.85 3.90

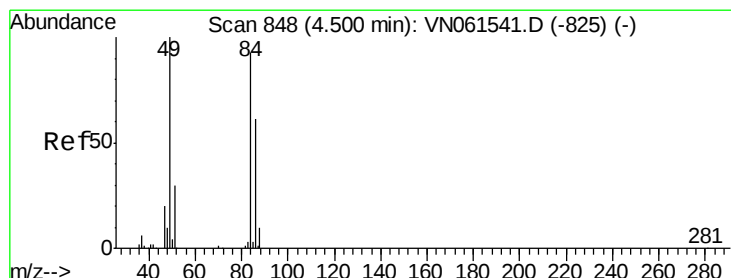
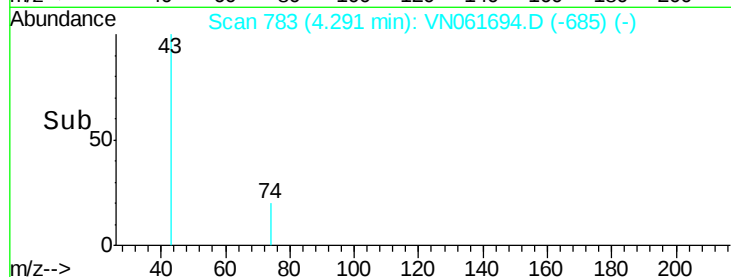
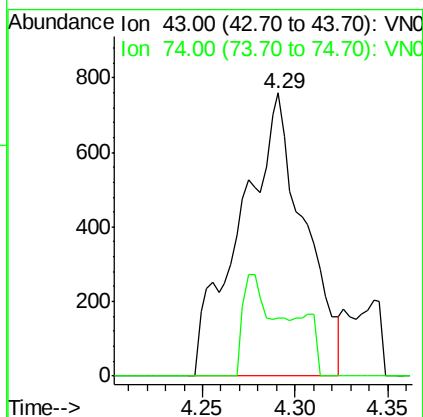
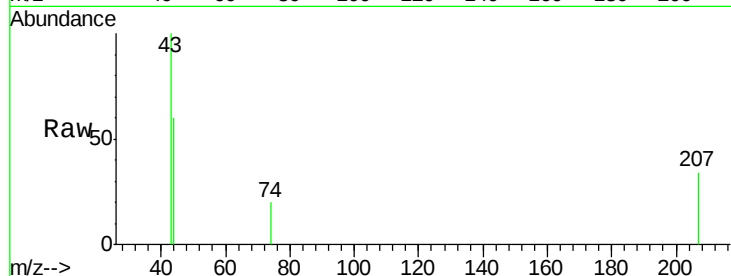




#18
Methyl Acetate
Concen: 0.54 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.02 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

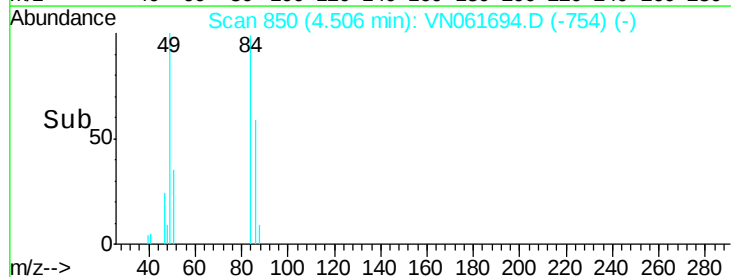
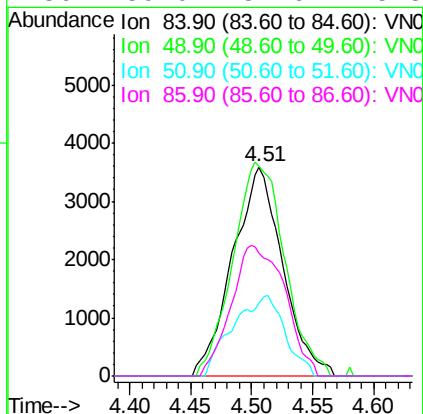
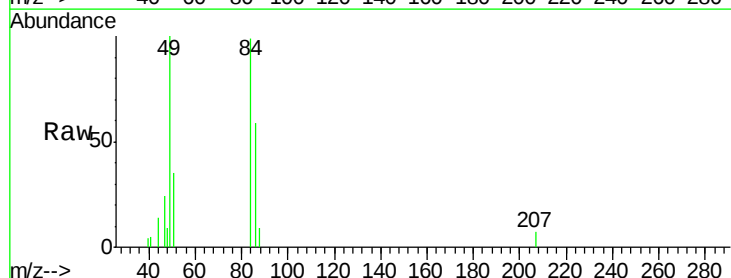
Instrument :
MSVOA_N
ClientSampleId :
PB129392TB

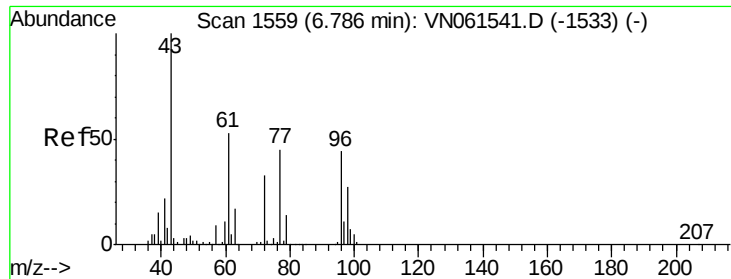
Tgt Ion: 43 Resp: 1817
Ion Ratio Lower Upper
43 100
74 13.3 23.2 34.8#



#20
Methylene Chloride
Concen: 1.32 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

Tgt Ion: 84 Resp: 10165
Ion Ratio Lower Upper
84 100
49 100.8 85.8 128.8
51 34.9 26.2 39.2
86 59.0 52.6 78.8

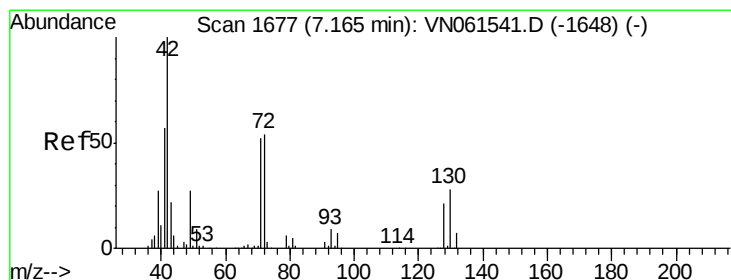
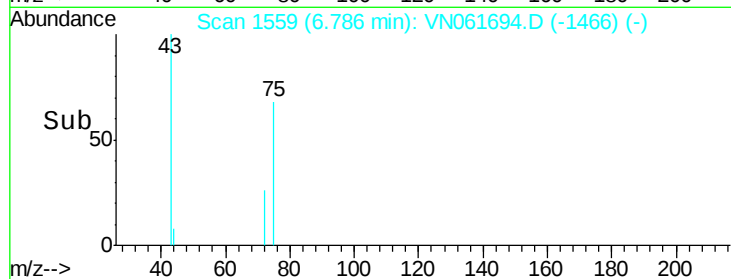
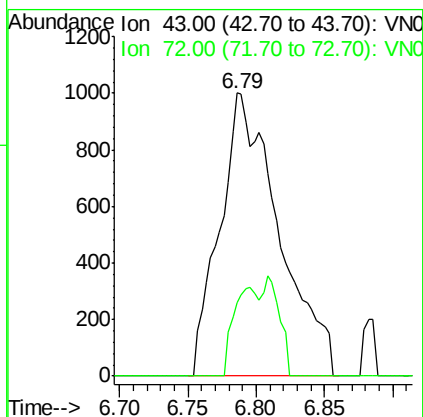
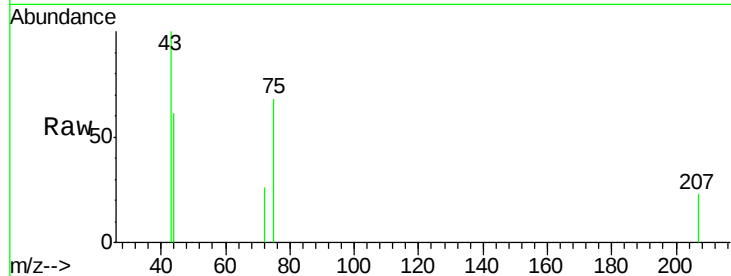




#25
2-Butanone
Concen: 1.72 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

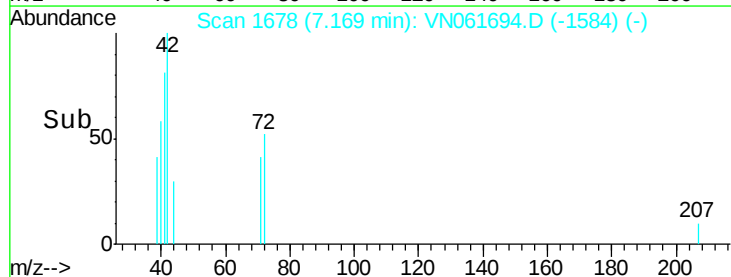
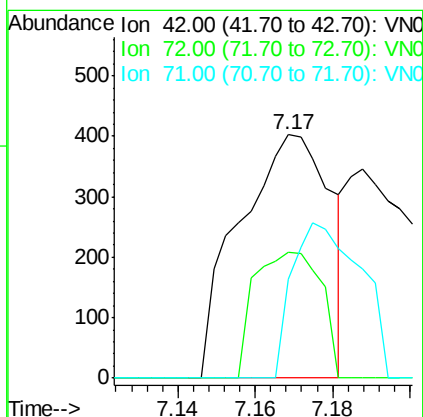
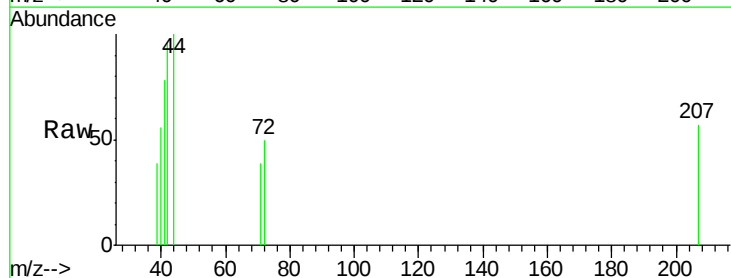
Instrument :
MSVOA_N
ClientSampled :
PB129392TB

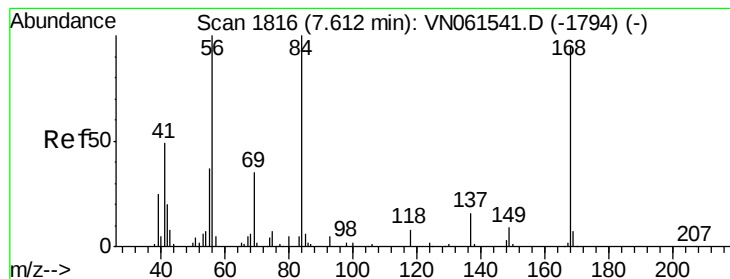
Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
72 26.1 26.0 39.0



#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

Tgt Ion: 42 Resp: 659
Ion Ratio Lower Upper
42 100
72 37.8 43.6 65.4#
71 47.8 41.2 61.8





#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampled :

PB129392TB

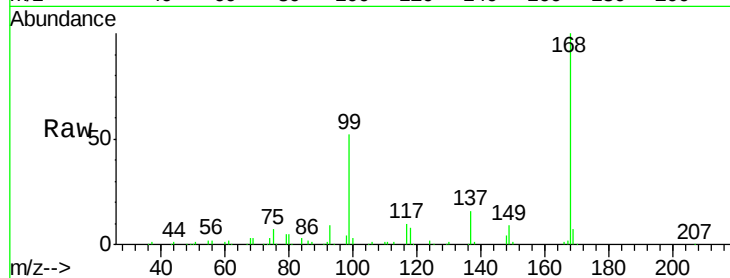
Tgt Ion: 56 Resp: 5261

Ion Ratio Lower Upper

56 100

69 182.9 27.8 41.8#

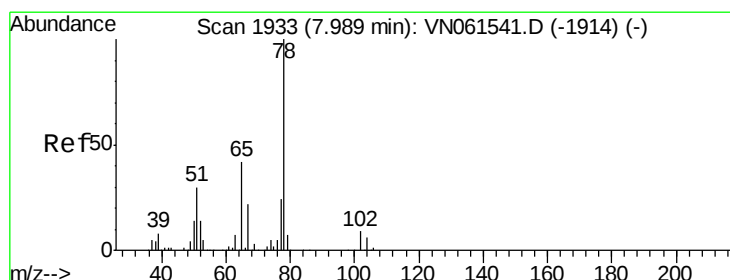
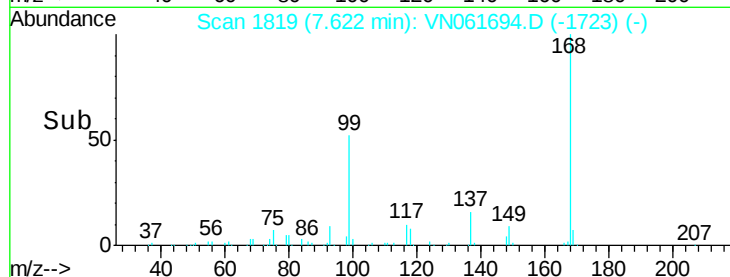
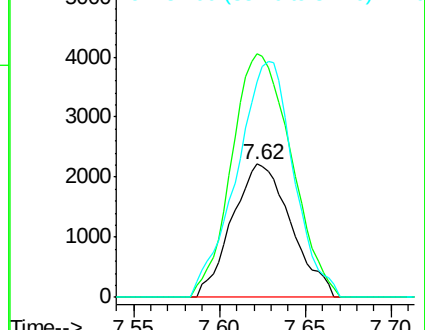
84 162.1 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 48.30 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061694.D

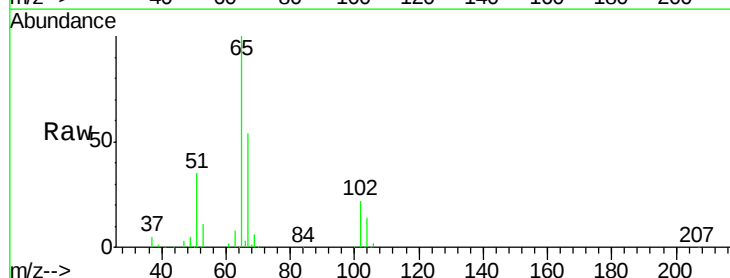
Acq: 8 Jun 2020 14:34

Tgt Ion: 65 Resp: 179147

Ion Ratio Lower Upper

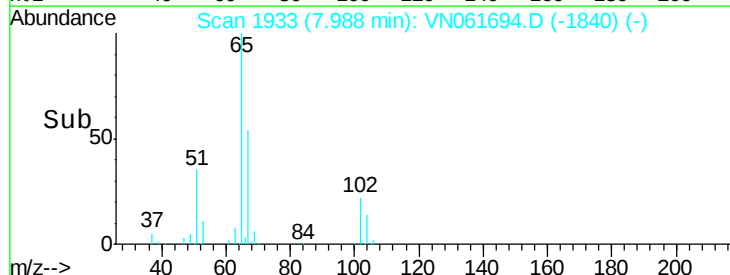
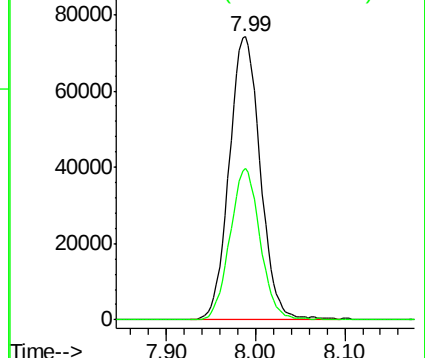
65 100

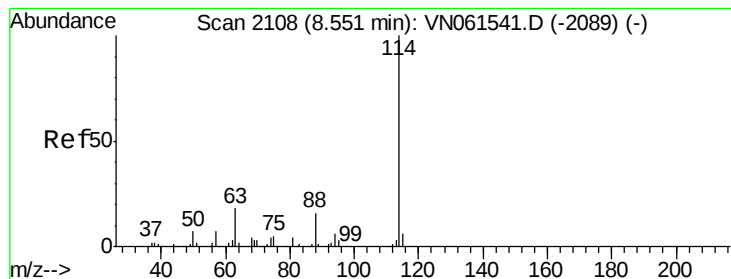
67 51.9 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

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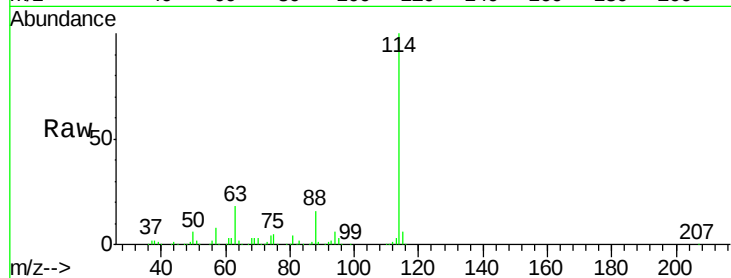
Tgt Ion:114 Resp: 528789

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.8

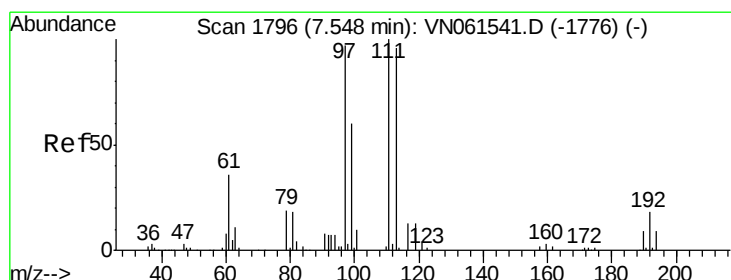
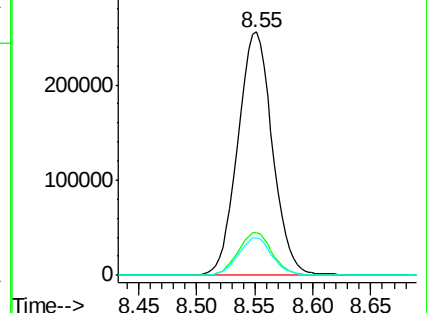
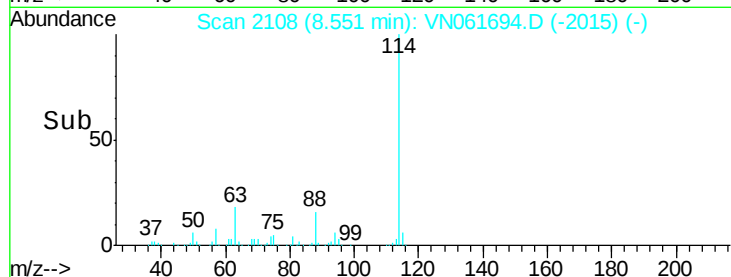
88 15.6 0.0 31.0



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



#35

Dibromofluoromethane

Concen: 52.56 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

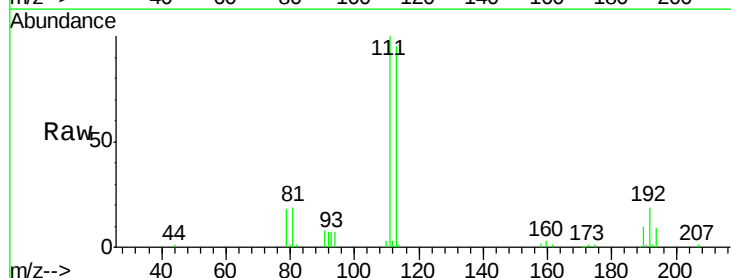
Tgt Ion:113 Resp: 140994

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.0

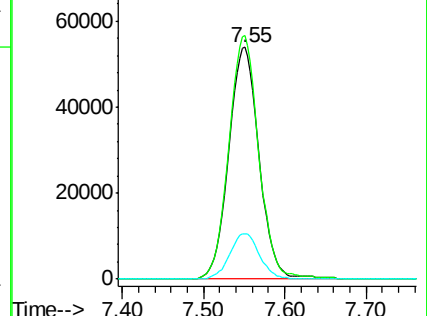
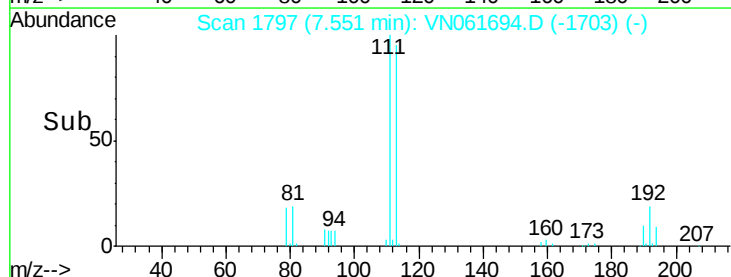
192 19.2 15.4 23.2

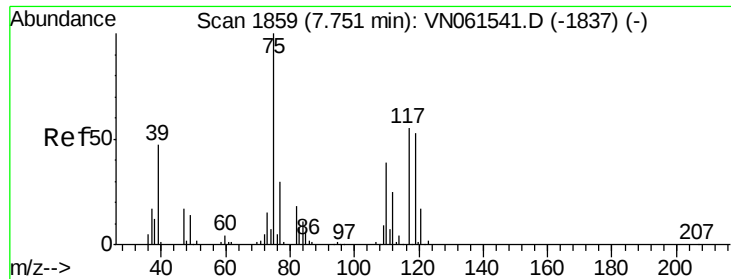


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

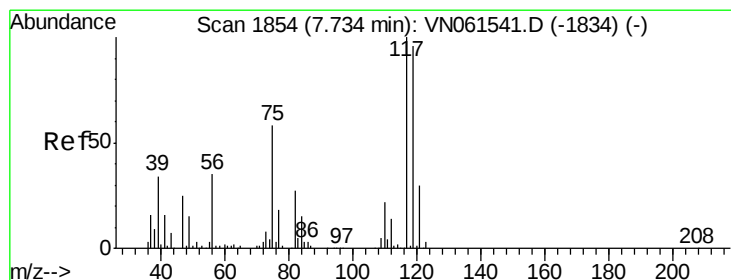
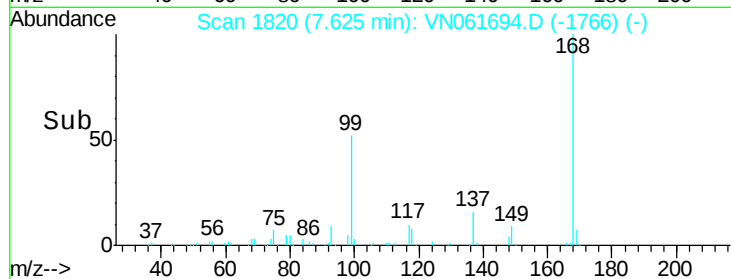
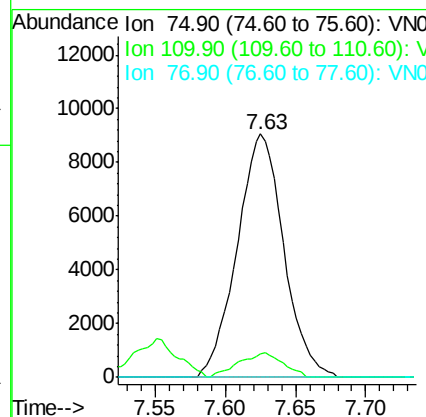
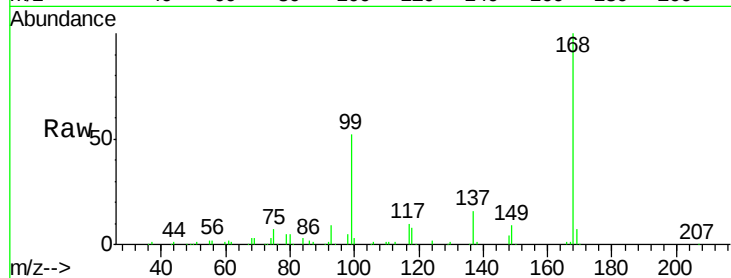




#36
 1,1-Dichloropropene
 Concen: 4.46 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061694.D
 Acq: 8 Jun 2020 14:34

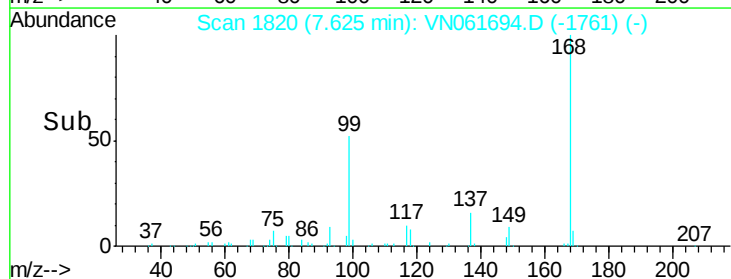
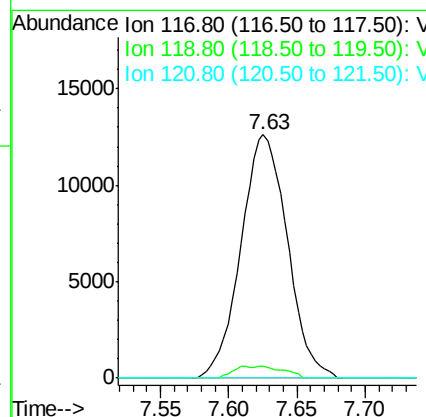
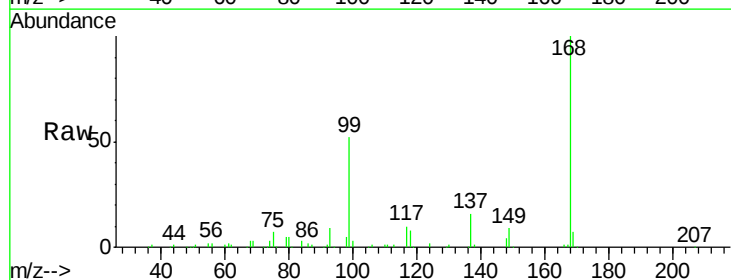
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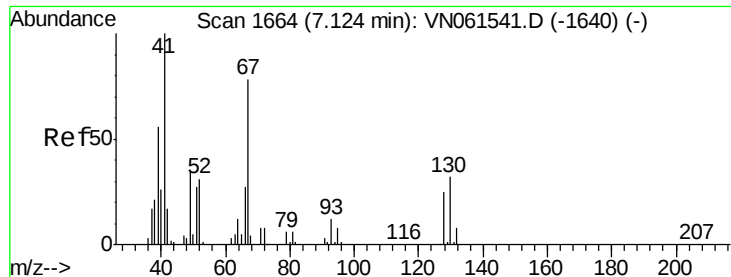
Tgt Ion: 75 Resp: 20882
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.60 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061694.D
 Acq: 8 Jun 2020 14:34

Tgt Ion: 117 Resp: 29786
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.5 114.7#
 121 0.0 24.1 36.1#

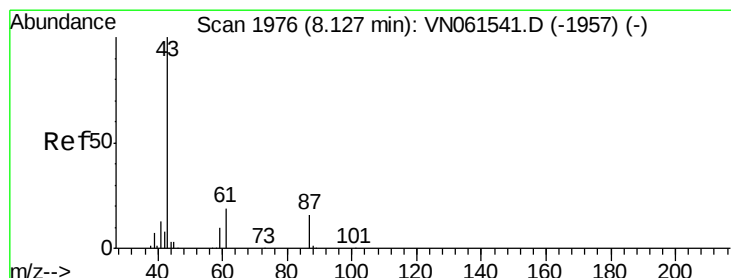
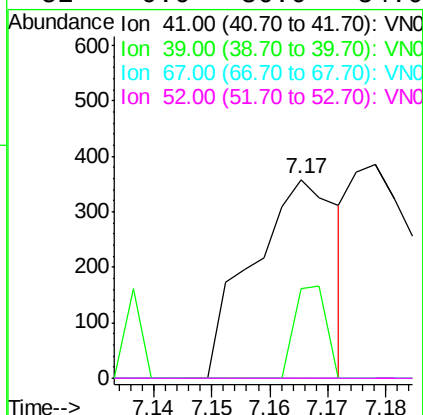
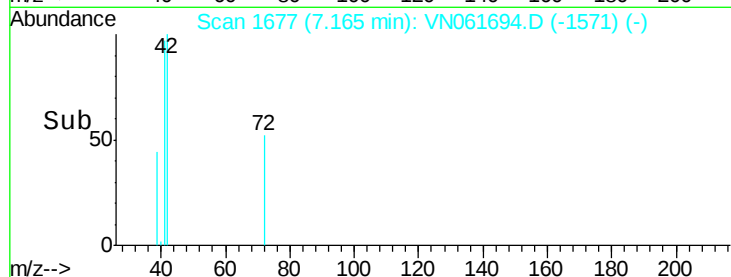
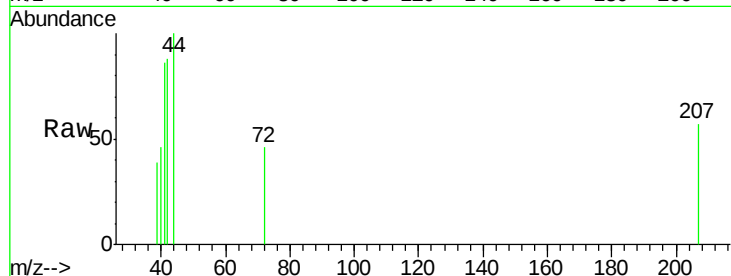




#41
Methacrylonitrile
Concen: 0.21 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

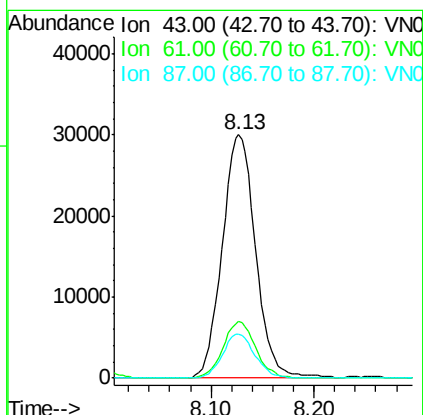
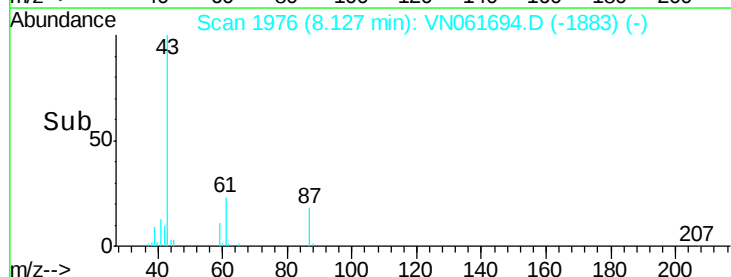
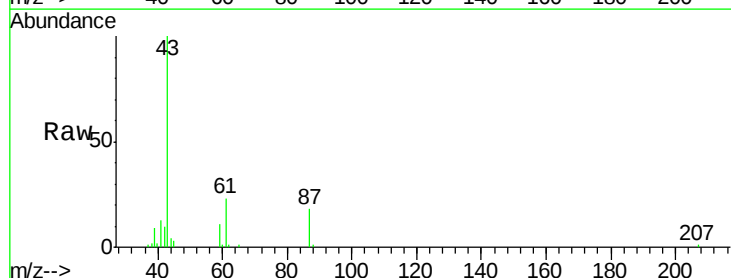
Instrument :
MSVOA_N
ClientSampled :
PB129392TB

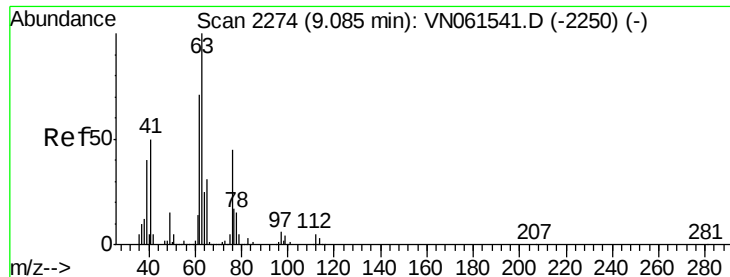
Tgt Ion: 41 Resp: 364
Ion Ratio Lower Upper
41 100
39 17.3 53.8 80.6#
67 0.0 91.1 136.7#
52 0.0 36.0 54.0#



#43
Isopropyl Acetate
Concen: 9.96 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

Tgt Ion: 43 Resp: 67530
Ion Ratio Lower Upper
43 100
61 22.7 23.6 35.4#
87 17.4 13.0 19.6





#45

1,2-Dichloropropane

Concen: 0.44 ug/l

RT: 9.23 min Scan# 2320

Delta R.T. 0.15 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampled :

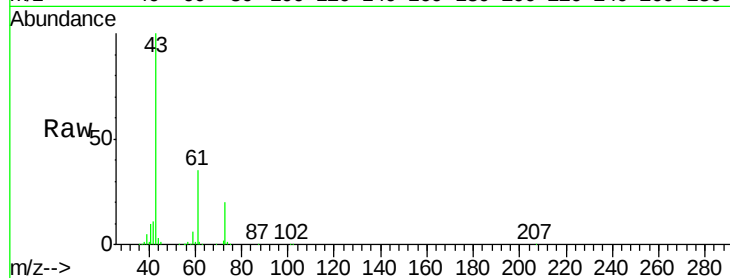
PB129392TB

Tgt Ion: 63 Resp: 1519

Ion Ratio Lower Upper

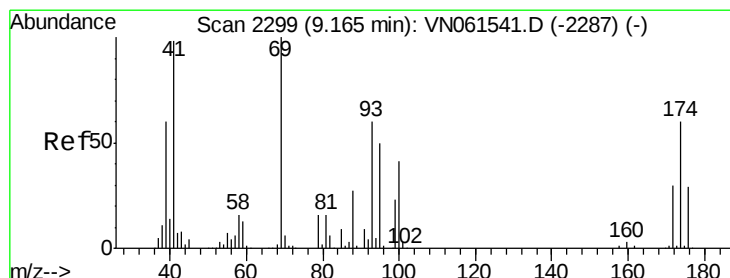
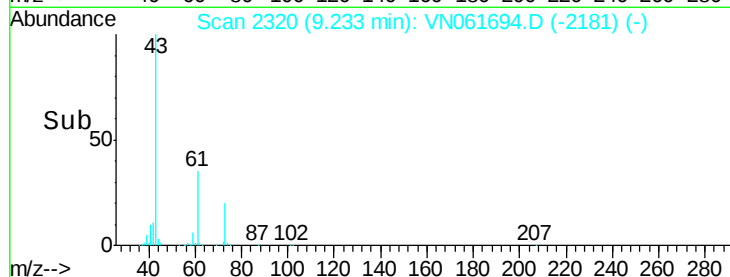
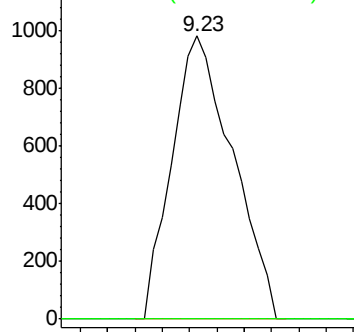
63 100

65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.06 ug/l

RT: 9.15 min Scan# 2294

Delta R.T. -0.02 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

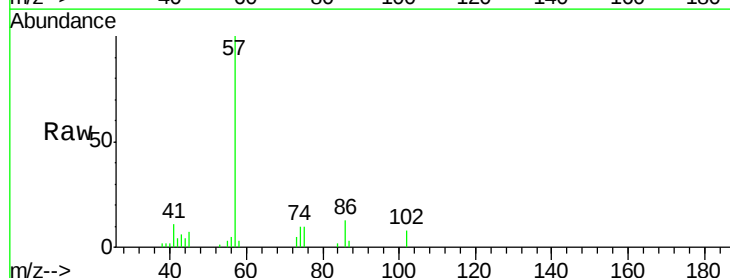
Tgt Ion: 41 Resp: 3232

Ion Ratio Lower Upper

41 100

69 0.0 83.9 125.9#

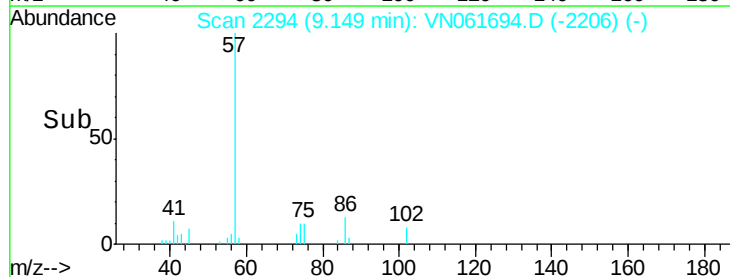
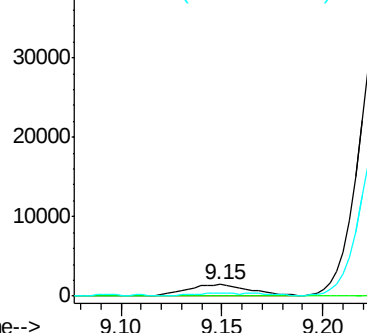
39 0.0 52.1 78.1#

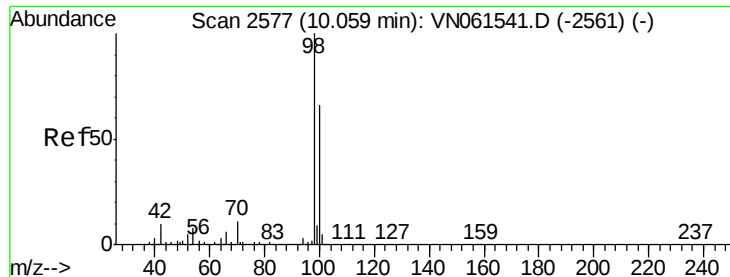


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.25 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

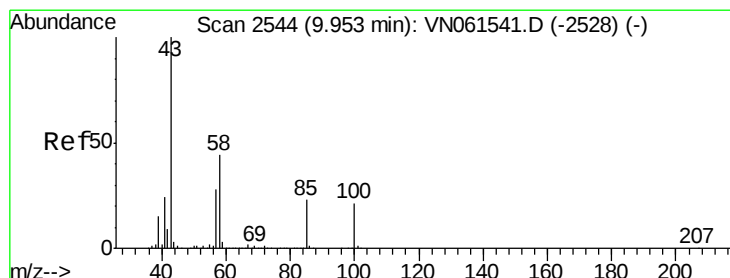
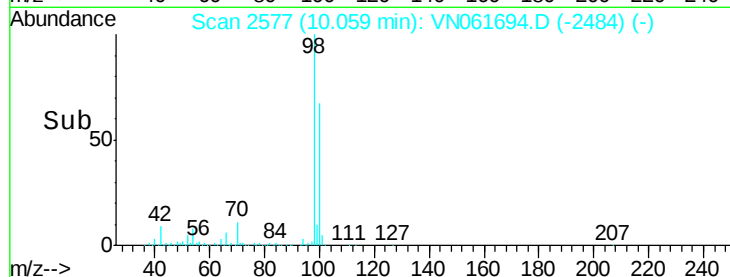
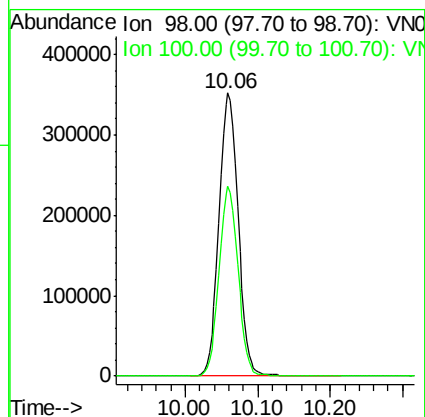
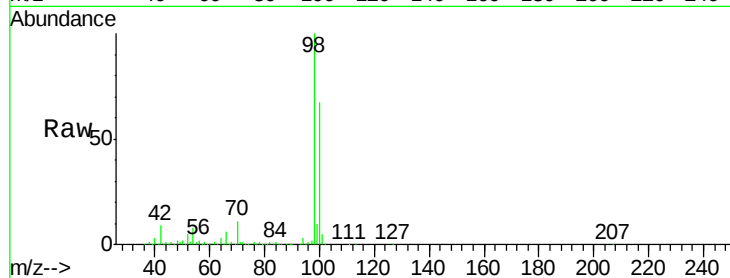
PB129392TB

Tgt Ion: 98 Resp: 649479

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2



#51

4-Methyl-2-Pentanone

Concen: 2.01 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061694.D

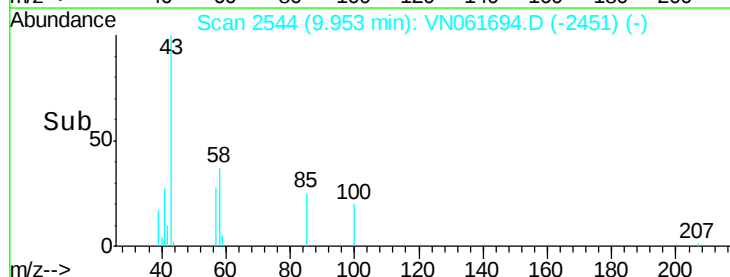
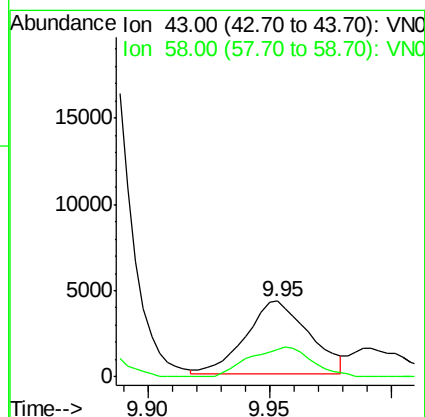
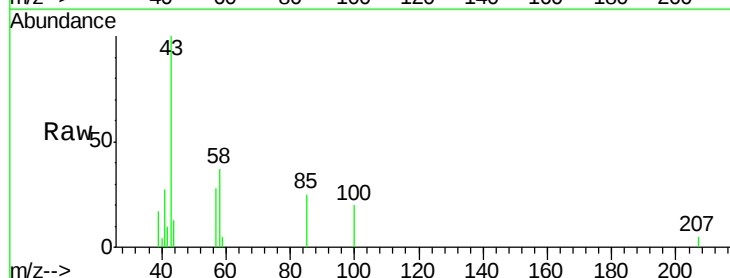
Acq: 8 Jun 2020 14:34

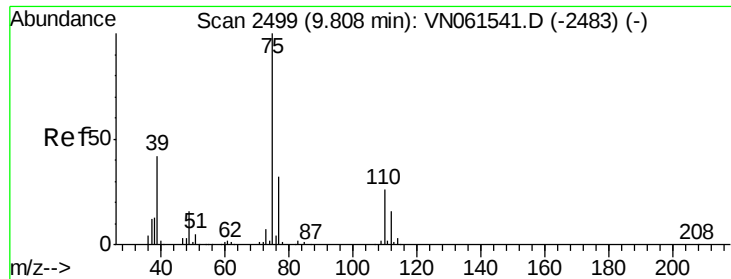
Tgt Ion: 43 Resp: 7675

Ion Ratio Lower Upper

43 100

58 40.3 35.0 52.6





#54

cis-1,3-Dichloropropene

Concen: 6.35 ug/l

RT: 9.87 min Scan# 2519

Delta R.T. 0.06 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

PB129392TB

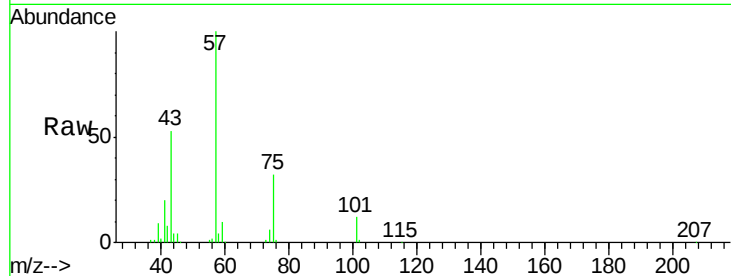
Tgt Ion: 75 Resp: 38357

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

39 27.4 33.8 50.6#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-2483) (-)

Ion 76.90 (76.60 to 77.60): VN061541.D (-2483) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-2483) (-)

Time-->

9.80 9.85 9.90 9.95

9.87

25000

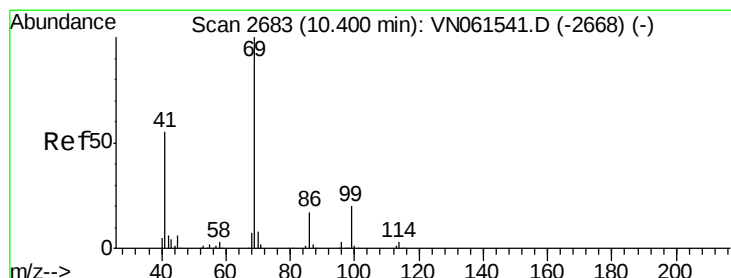
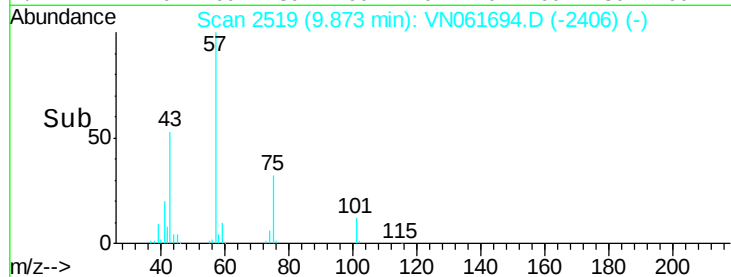
20000

15000

10000

5000

0



#56

Ethyl methacrylate

Concen: 0.27 ug/l

RT: 10.51 min Scan# 2718

Delta R.T. 0.11 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

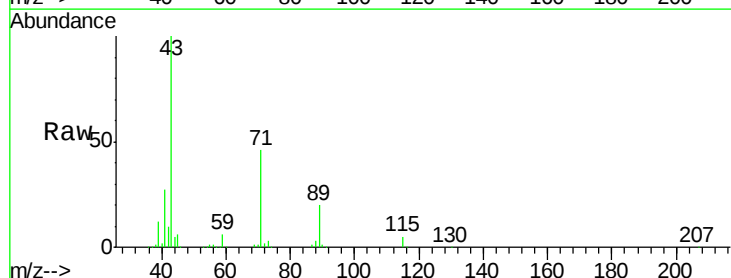
Tgt Ion: 69 Resp: 1396

Ion Ratio Lower Upper

69 100

41 5091.6 43.5 65.3#

39 2293.1 27.0 40.6#



Abundance Ion 69.00 (68.70 to 69.70): VN061541.D (-2668) (-)

Ion 41.00 (40.70 to 41.70): VN061541.D (-2668) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-2668) (-)

Time-->

10.50 10.55

10.51

60000

50000

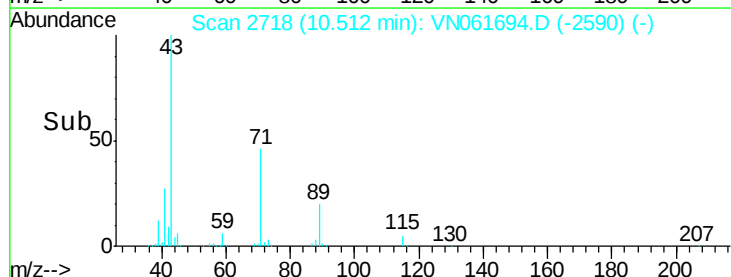
40000

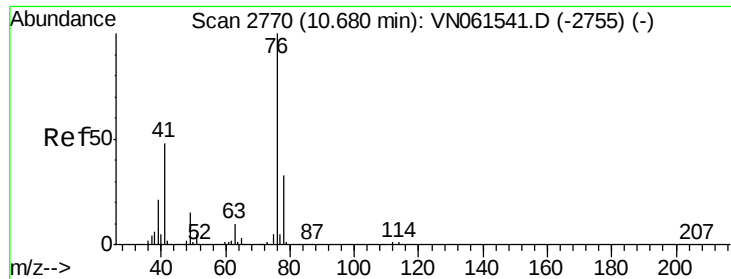
30000

20000

10000

0





#57

1,3-Dichloropropane

Concen: 1.11 ug/l

RT: 10.73 min Scan# 2787

Delta R.T. 0.05 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampled :

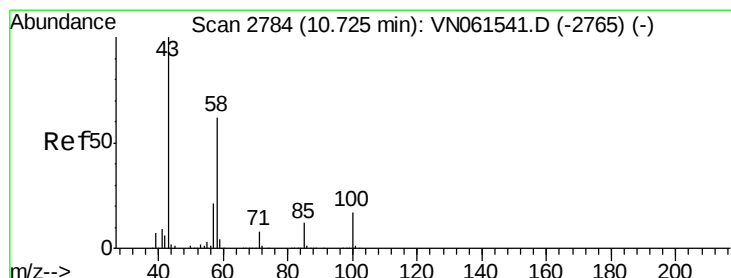
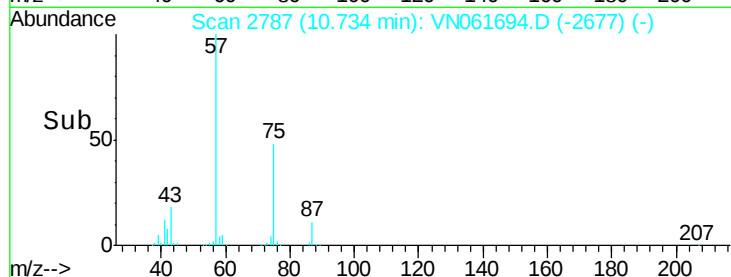
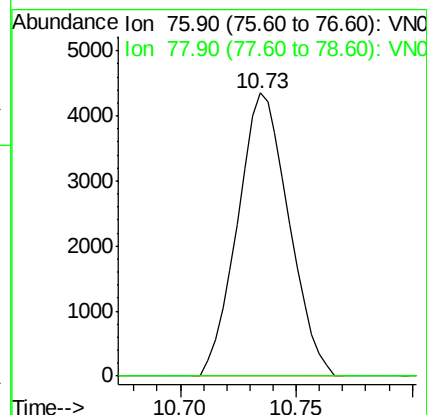
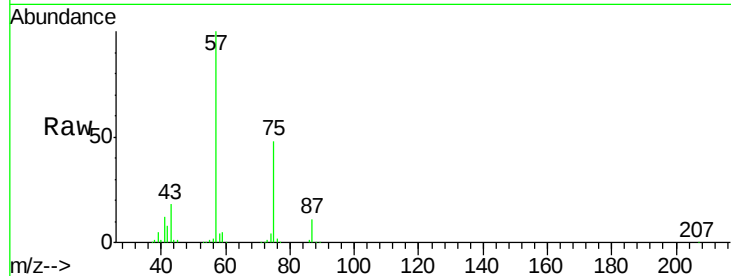
PB129392TB

Tgt Ion: 76 Resp: 6676

Ion Ratio Lower Upper

76 100

78 0.0 26.3 39.5#



#59

2-Hexanone

Concen: 25.58 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.01 min

Lab File: VN061694.D

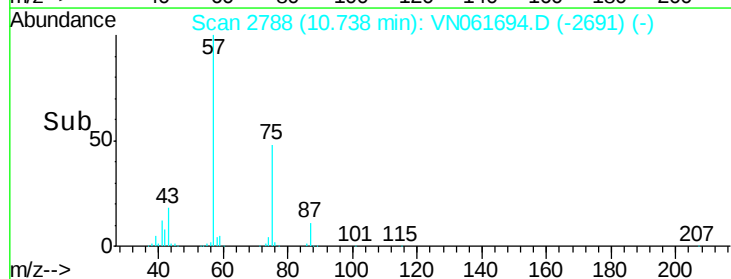
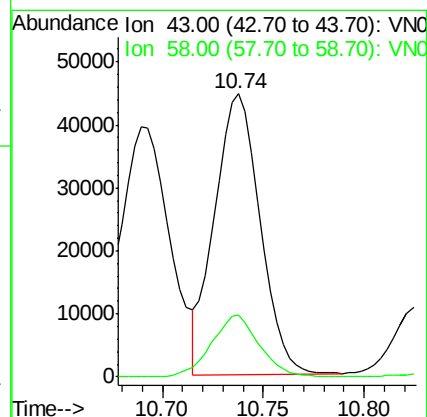
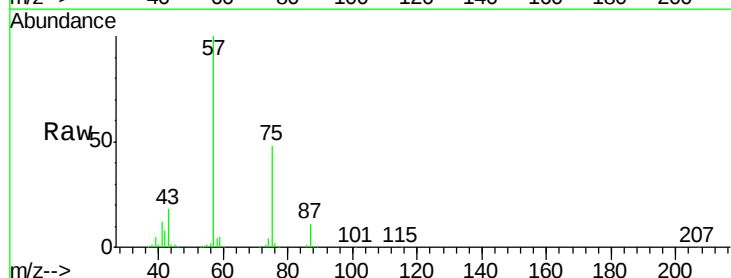
Acq: 8 Jun 2020 14:34

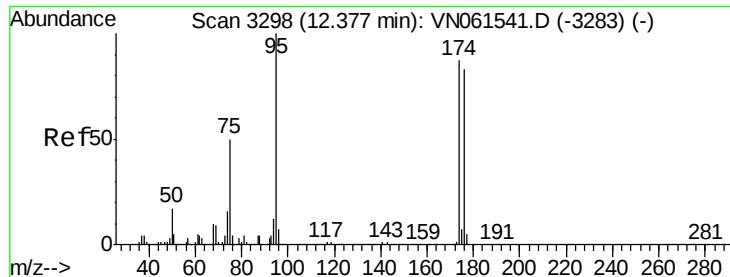
Tgt Ion: 43 Resp: 70233

Ion Ratio Lower Upper

43 100

58 22.9 30.7 92.1#

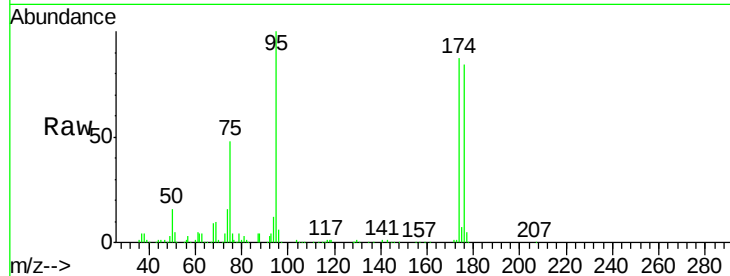




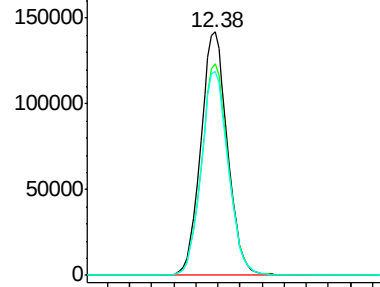
#62
4-Bromofluorobenzene
Concen: 52.53 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

Instrument :
MSVOA_N
ClientSampleId :
PB129392TB

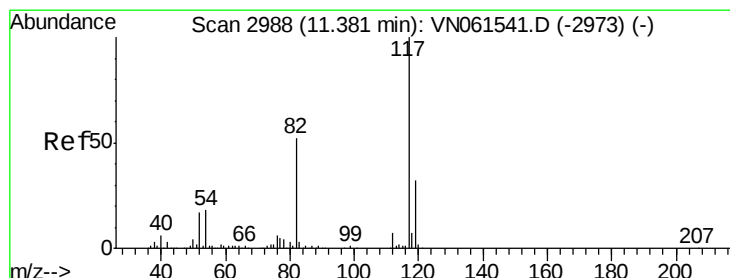
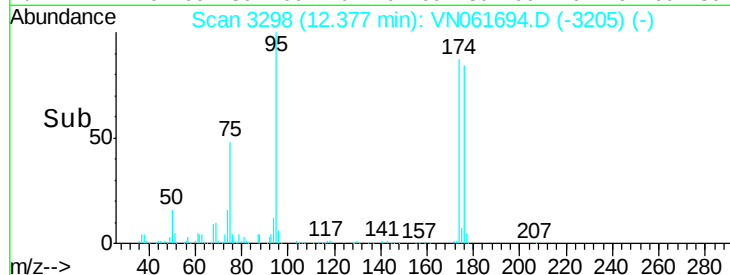
Tgt Ion: 95 Resp: 238218
Ion Ratio Lower Upper
95 100
174 87.2 0.0 172.8
176 84.6 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061694.D (-3205) (-)
Ion 173.80 (173.50 to 174.50): VN061694.D (-3205) (-)
Ion 175.80 (175.50 to 176.50): VN061694.D (-3205) (-)

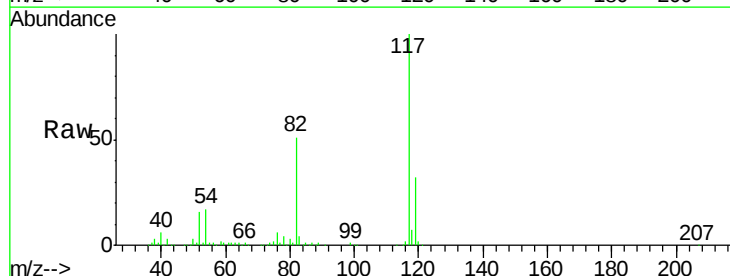


Time-->

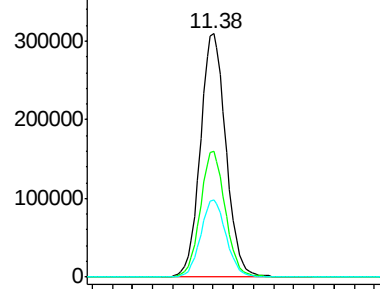


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061694.D
Acq: 8 Jun 2020 14:34

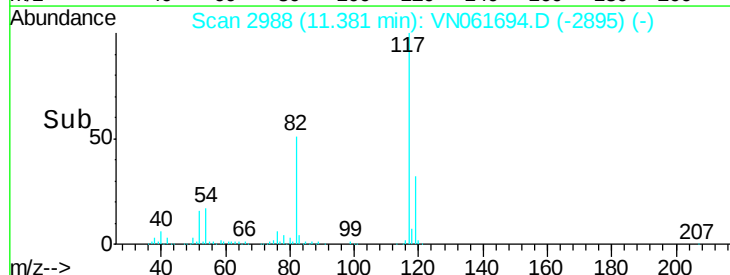
Tgt Ion: 117 Resp: 547002
Ion Ratio Lower Upper
117 100
82 51.4 41.5 62.3
119 31.9 25.6 38.4

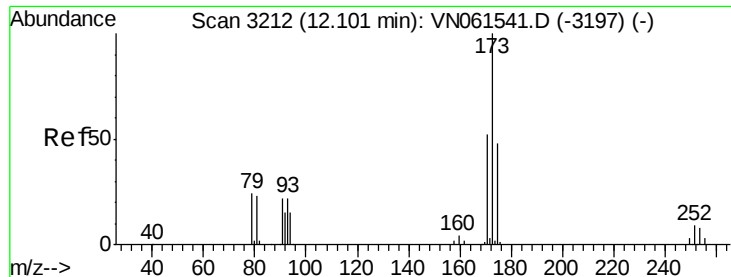


Abundance Ion 116.90 (116.60 to 117.60): VN061694.D (-2895) (-)
Ion 82.00 (81.70 to 82.70): VN061694.D (-2895) (-)
Ion 118.90 (118.60 to 119.60): VN061694.D (-2895) (-)



Time-->





#71

Bromoform

Concen: 0.67 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampleId :

PB129392TB

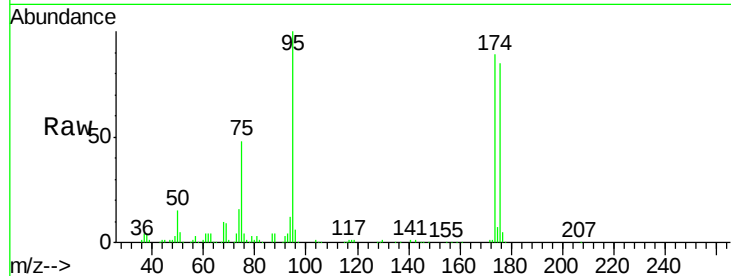
Tgt Ion:173 Resp: 2202

Ion Ratio Lower Upper

173 100

175 608.6 24.4 73.2#

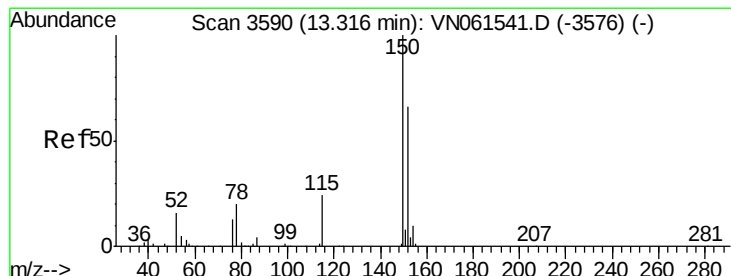
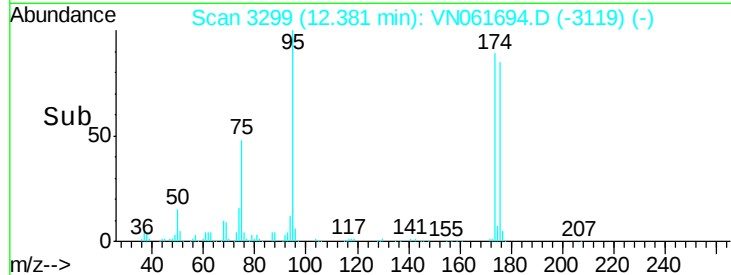
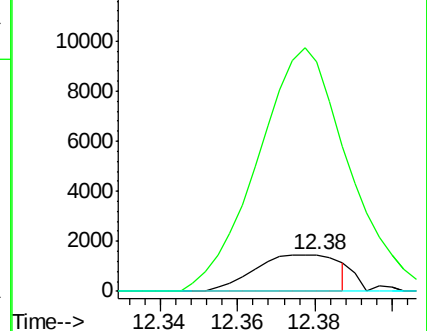
254 0.0 0.0 0.0



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: VN061694.D

Acq: 8 Jun 2020 14:34

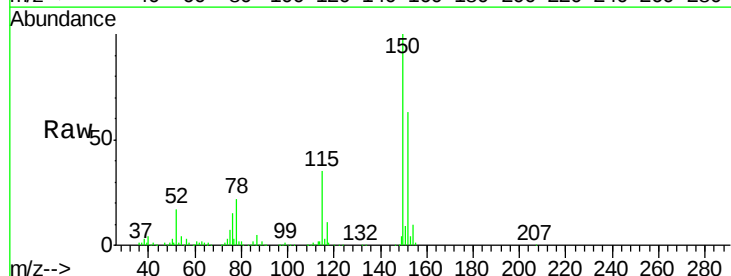
Tgt Ion:152 Resp: 247320

Ion Ratio Lower Upper

152 100

115 56.5 28.0 84.0

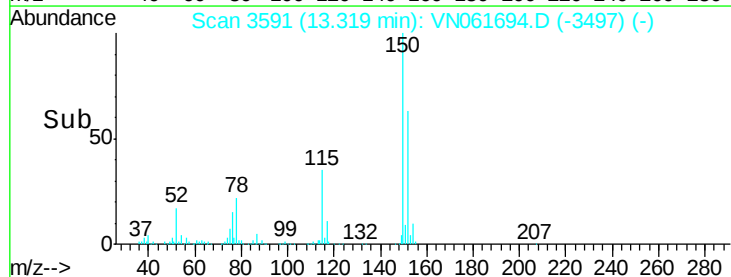
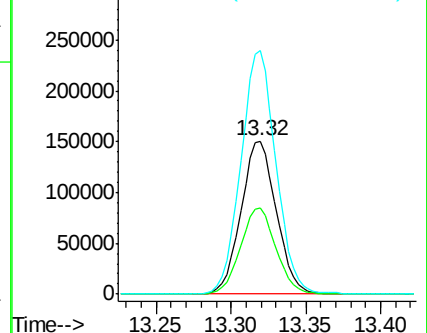
150 158.1 0.0 344.0

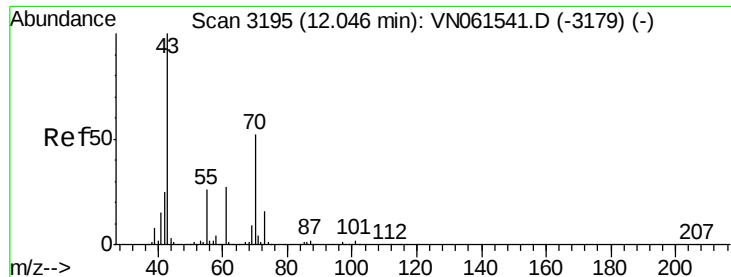


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.48 ug/l

RT: 12.01 min Scan# 3183

Delta R.T. -0.04 min

Lab File: VN061694.D

Acq: 8 Jun 2020 14:34

Instrument :

MSVOA_N

ClientSampled :

PB129392TB

Tgt Ion: 43 Resp: 2718

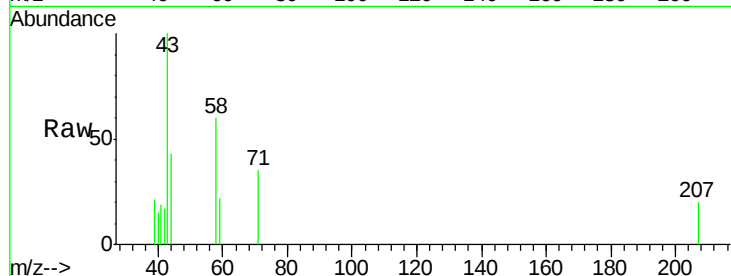
Ion Ratio Lower Upper

43 100

70 0.0 40.5 60.7#

55 0.0 20.6 31.0#

61 0.0 21.8 32.6#

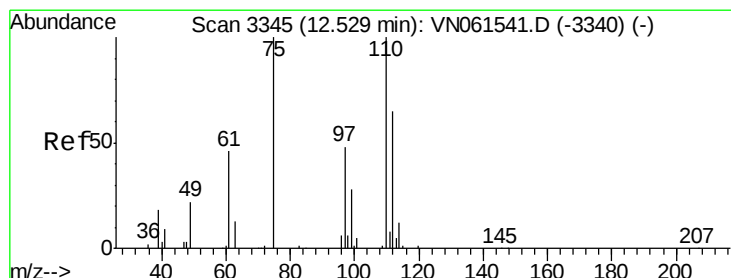
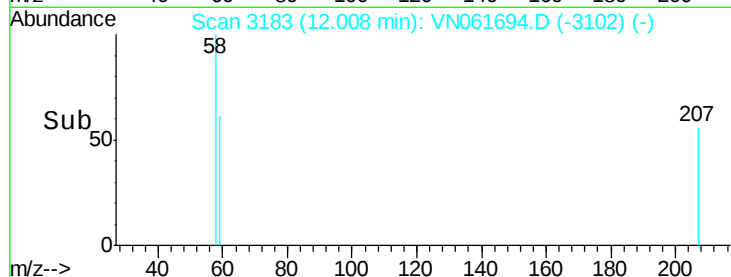
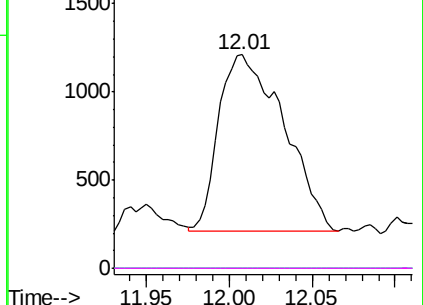


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.93 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061694.D

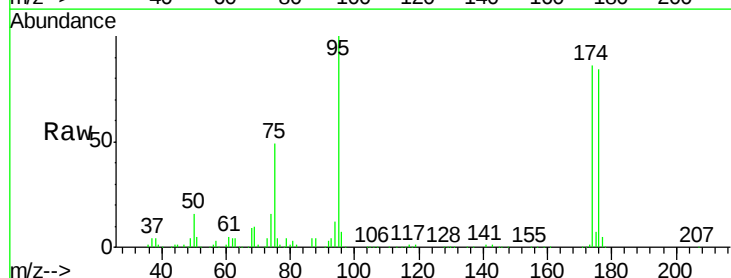
Acq: 8 Jun 2020 14:34

Tgt Ion: 75 Resp: 116606

Ion Ratio Lower Upper

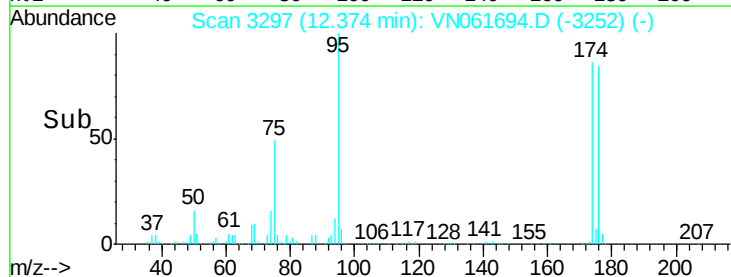
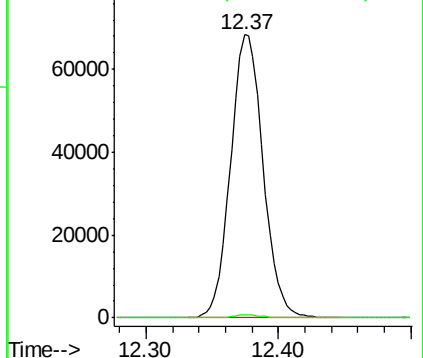
75 100

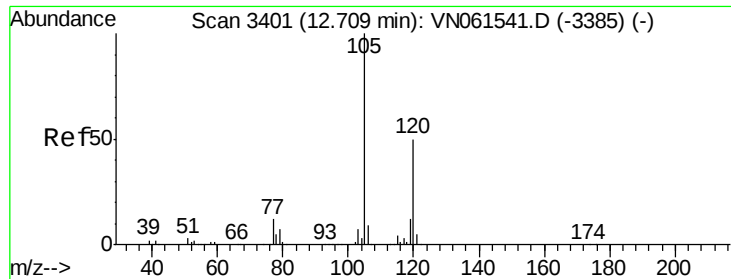
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

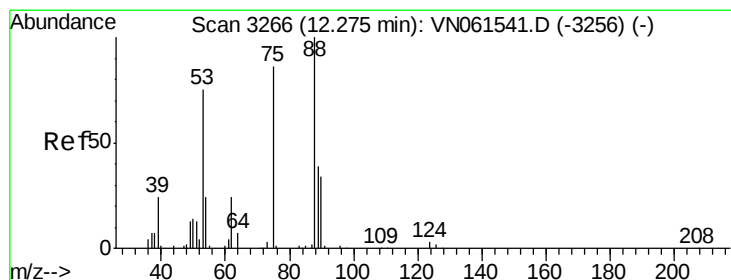
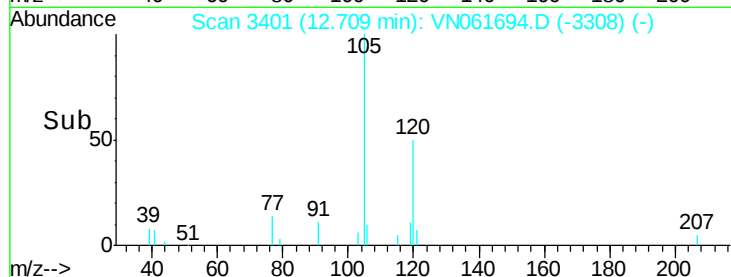
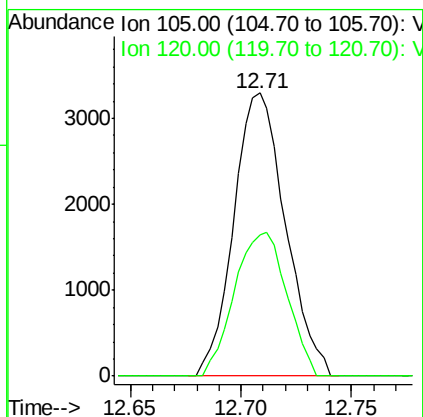
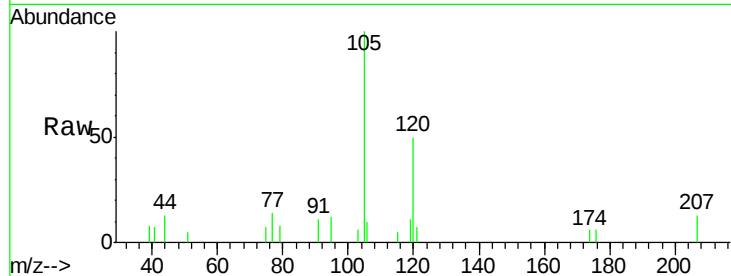




#80
 1,3,5-Trimethylbenzene
 Concen: 0.36 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061694.D
 Acq: 8 Jun 2020 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129392TB

Tgt Ion: 105 Resp: 5377
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.31 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.10 min
 Lab File: VN061694.D
 Acq: 8 Jun 2020 14:34

Tgt Ion: 75 Resp: 116606
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.8 101.8#
 89 0.0 37.1 55.7#

