

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042220\
 Data File : VN061143.D
 Acq On : 22 Apr 2020 21:25
 Operator : JC/MD
 Sample : PB128387TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128387TB

Quant Time: Apr 29 13:45:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 22 15:26:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.40	168	180846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.35	114	298187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.21	117	291292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.15	152	144179	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.77	65	114224	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
35) Dibromofluoromethane	7.31	113	81372	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	9.88	98	370105	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.21	95	145507	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

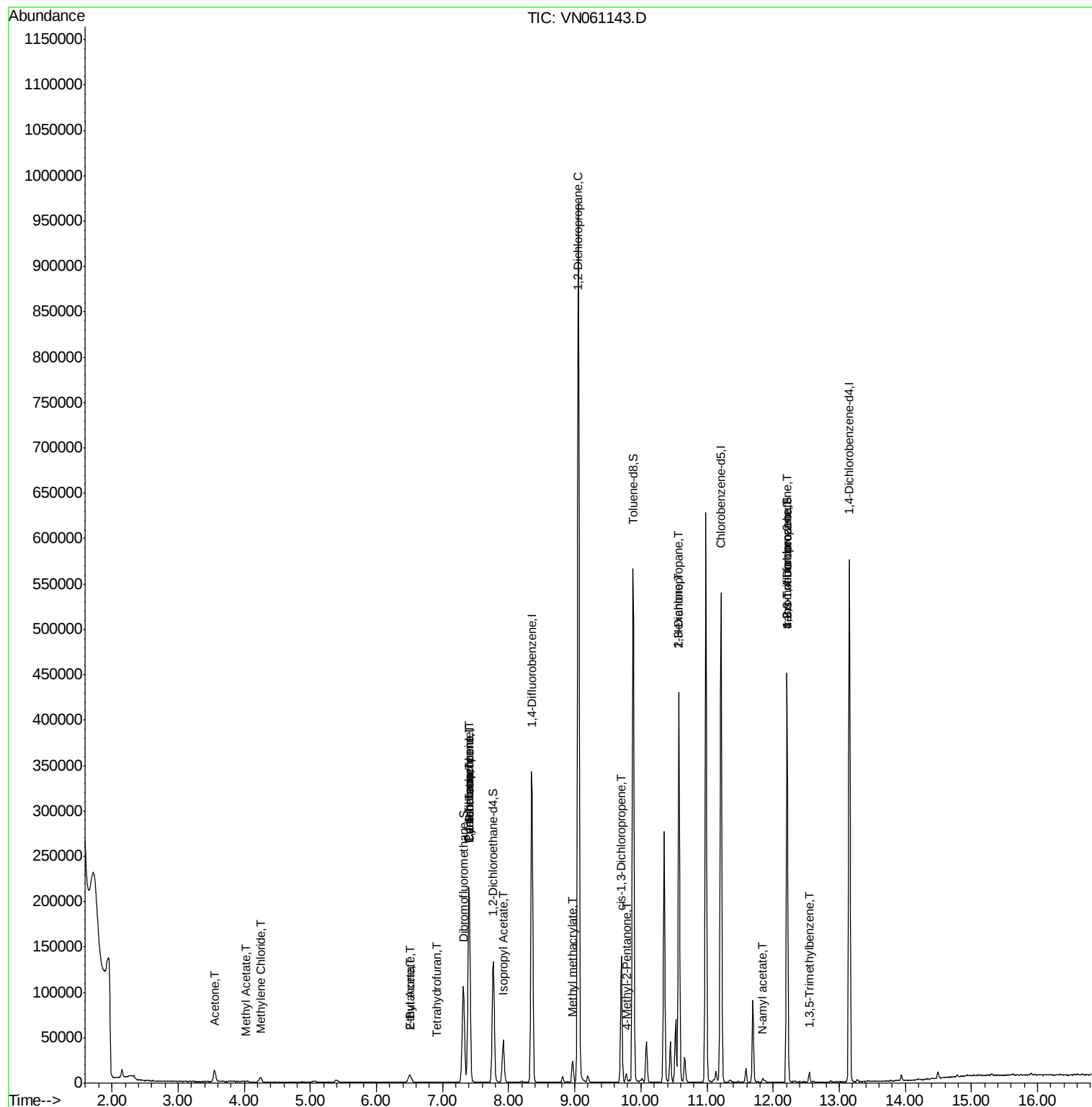
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	3.99	41	359	Below Cal	#	20
16) Acetone	3.55	43	21189	12.71	ug/l	98
18) Methyl Acetate	4.03	43	2437	0.41	ug/l	# 76
20) Methylene Chloride	4.24	84	3701	1.77	ug/l	94
25) 2-Butanone	6.51	43	3951	3.02	ug/l	98
29) Tetrahydrofuran	6.91	42	547	0.61	ug/l	# 33
31) Cyclohexane	7.40	56	3716	1.01	ug/l	# 1
36) 1,1-Dichloropropene	7.40	75	13935	4.78	ug/l	# 49
37) Ethyl Acetate	6.51	43	3951	1.35	ug/l	# 69
38) Carbon Tetrachloride	7.40	117	17482	6.85	ug/l	# 15
43) Isopropyl Acetate	7.92	43	55270	11.14	ug/l	100
45) 1,2-Dichloropropane	9.06	63	1073	0.47	ug/l	# 44
48) Methyl methacrylate	8.96	41	2957	1.27	ug/l	# 14
49) 1,4-Dioxane	8.97	88	884	Below Cal	#	16
51) 4-Methyl-2-Pentanone	9.78	43	6615	2.28	ug/l	93
54) cis-1,3-Dichloropropene	9.70	75	24666	6.72	ug/l	# 60
57) 1,3-Dichloropropane	10.57	76	4543	1.29	ug/l	# 42
59) 2-Hexanone	10.57	43	61194	28.61	ug/l	# 51
74) N-amyl acetate	11.84	43	2836	0.58	ug/l	# 44
76) 1,2,3-Trichloropropane	12.21	75	74623	22.44	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.55	105	6160	0.67	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.21	75	74623	58.93	ug/l	# 12

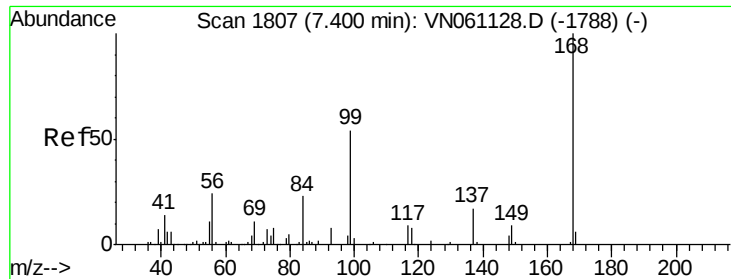
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN042220\
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Sample : PB128387TB
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Instrument :
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ClientSampleId :
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Quant Time: Apr 29 13:45:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042220W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 22 15:26:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.40 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampleId :

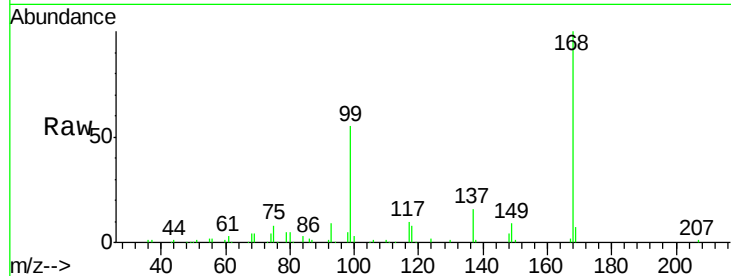
PB128387TB

Tgt Ion:168 Resp: 180846

Ion Ratio Lower Upper

168 100

99 55.3 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.40

80000

60000

40000

20000

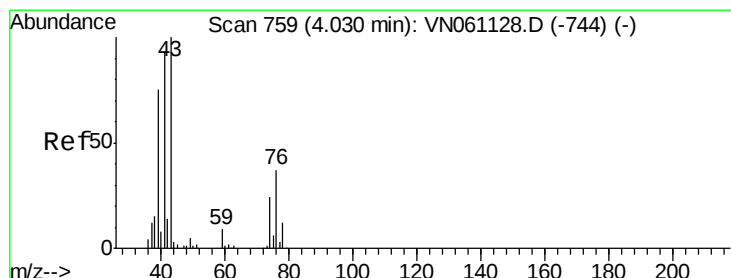
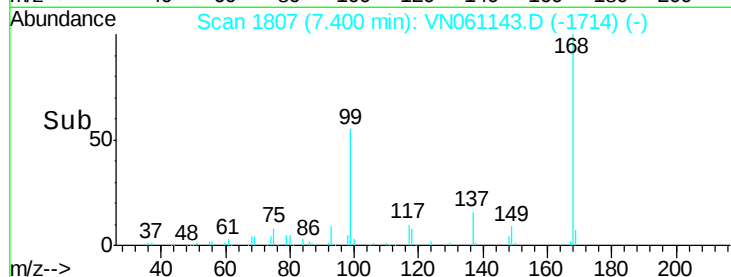
0

Time-->

7.30

7.40

7.50



#14

Allyl chloride

Concen: Below Cal

RT: 3.99 min Scan# 745

Delta R.T. -0.04 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

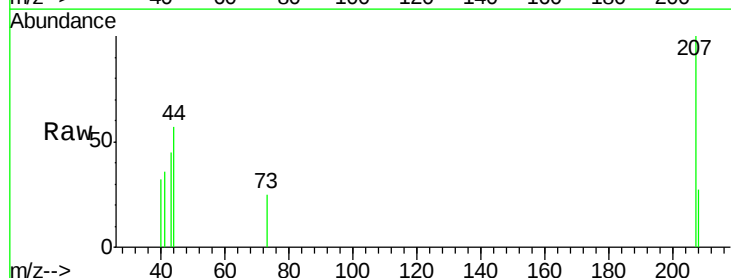
Tgt Ion: 41 Resp: 359

Ion Ratio Lower Upper

41 100

39 0.0 61.0 91.4#

76 0.0 28.9 43.3#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 39.00 (38.70 to 39.70): VN

Ion 75.90 (75.60 to 76.60): VN

3.99

300

200

100

0

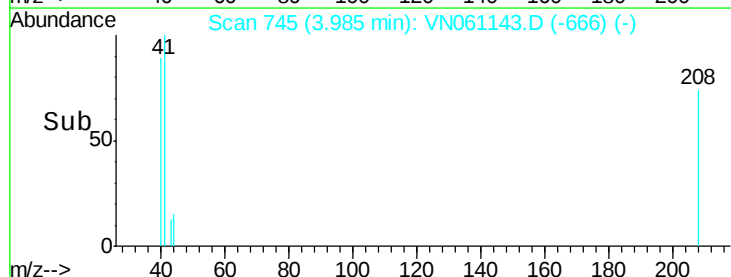
Time-->

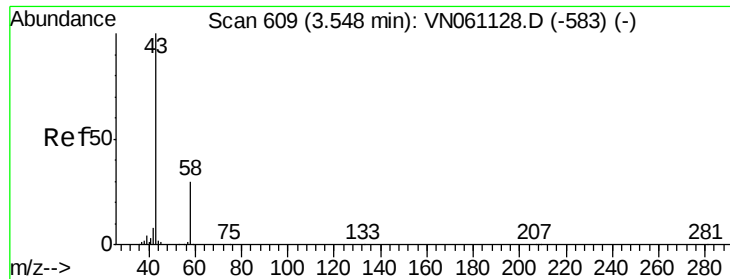
3.96

3.98

4.00

4.02





#16

Acetone

Concen: 12.71 ug/l

RT: 3.55 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampleId :

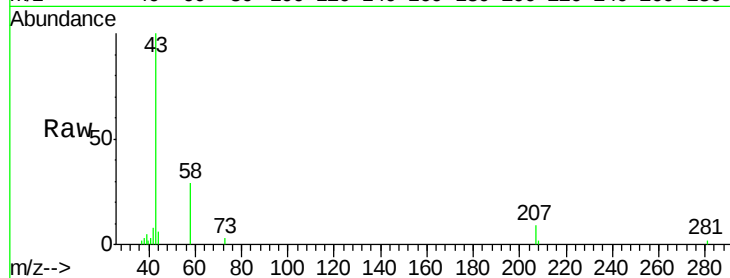
PB128387TB

Tgt Ion: 43 Resp: 21189

Ion Ratio Lower Upper

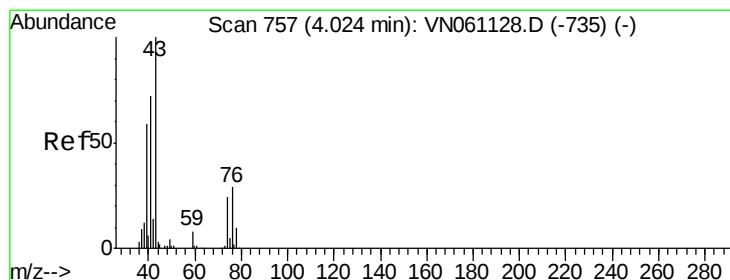
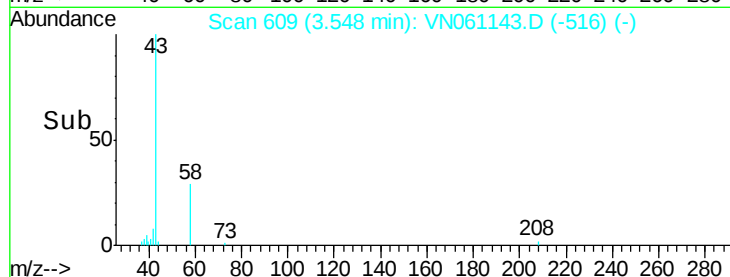
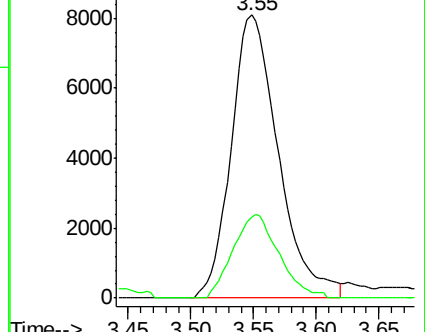
43 100

58 28.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-583) (-)

Ion 58.00 (57.70 to 58.70): VN061128.D (-583) (-)



#18

Methyl Acetate

Concen: 0.41 ug/l

RT: 4.03 min Scan# 759

Delta R.T. 0.01 min

Lab File: VN061143.D

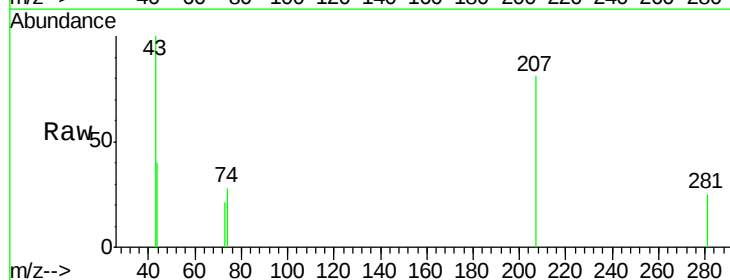
Acq: 22 Apr 2020 21:25

Tgt Ion: 43 Resp: 2437

Ion Ratio Lower Upper

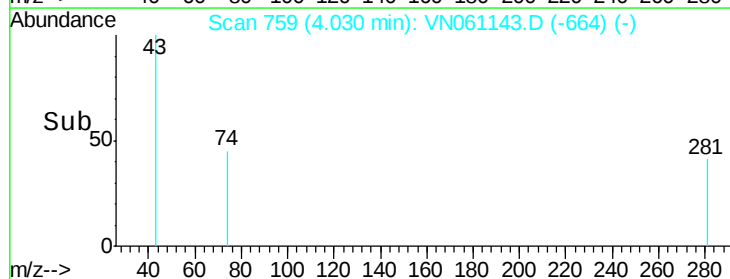
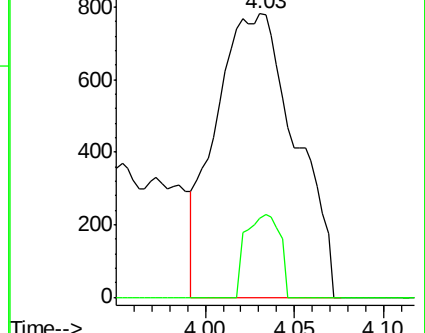
43 100

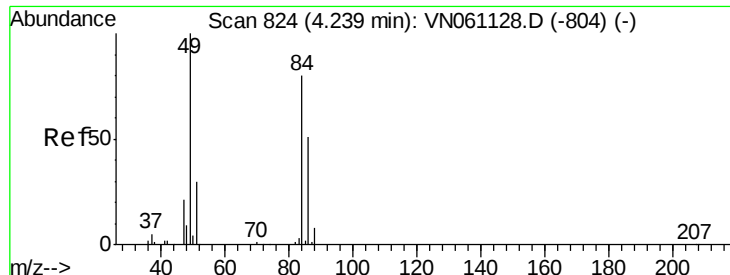
74 12.6 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-735) (-)

Ion 74.00 (73.70 to 74.70): VN061128.D (-735) (-)

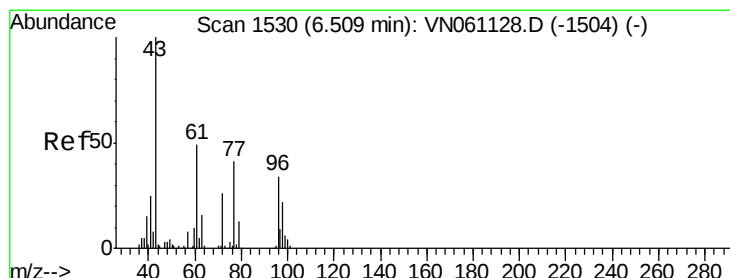
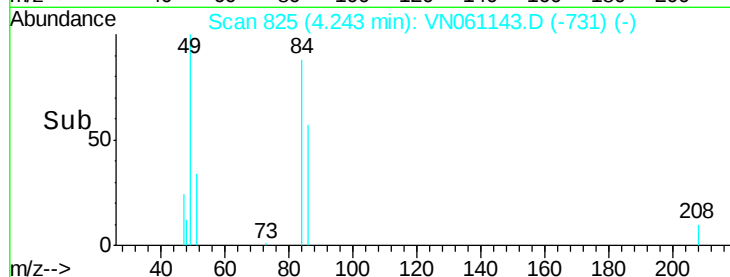
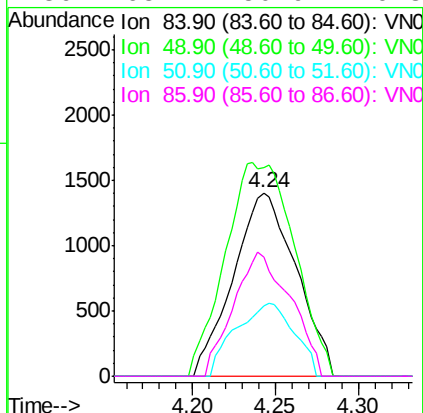
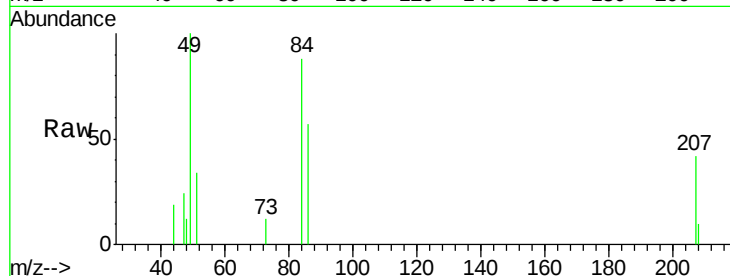




#20
Methylene Chloride
Concen: 1.77 ug/l
RT: 4.24 min Scan# 825
Delta R.T. 0.00 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

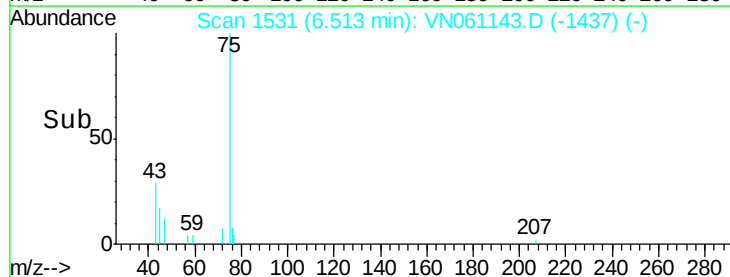
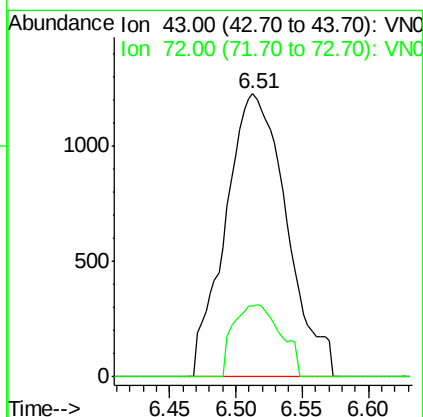
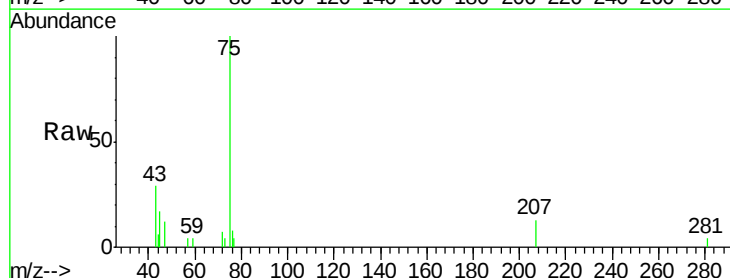
Instrument :
MSVOA_N
ClientSampleId :
PB128387TB

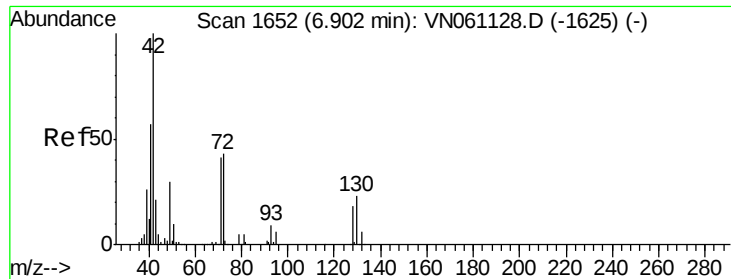
Tgt Ion: 84 Resp: 3701
Ion Ratio Lower Upper
84 100
49 113.3 99.8 149.6
51 38.2 29.9 44.9
86 65.1 50.9 76.3



#25
2-Butanone
Concen: 3.02 ug/l
RT: 6.51 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

Tgt Ion: 43 Resp: 3951
Ion Ratio Lower Upper
43 100
72 25.0 20.8 31.2





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 6.91 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampleId :

PB128387TB

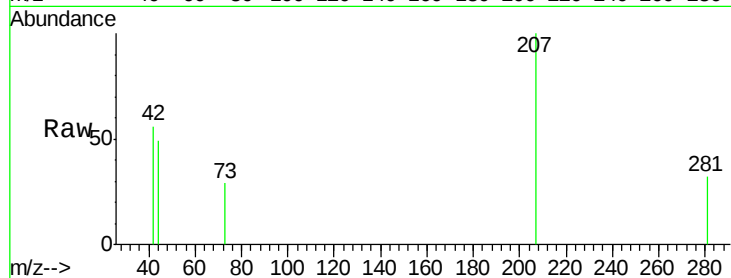
Tgt Ion: 42 Resp: 547

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

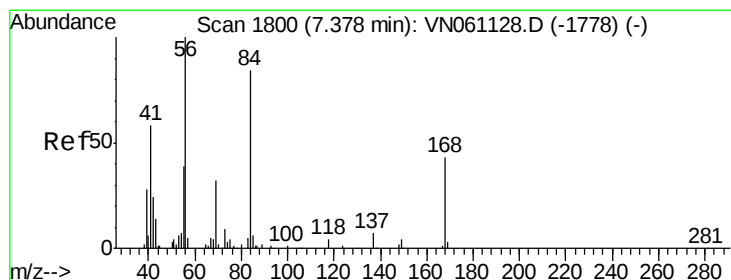
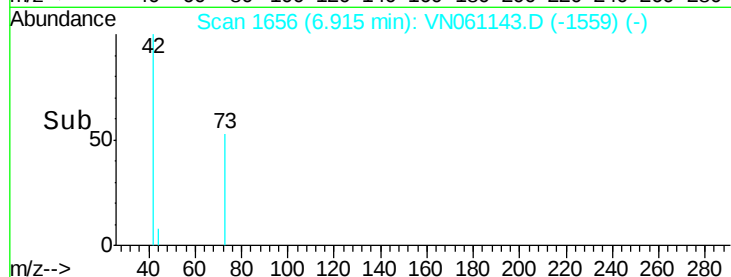
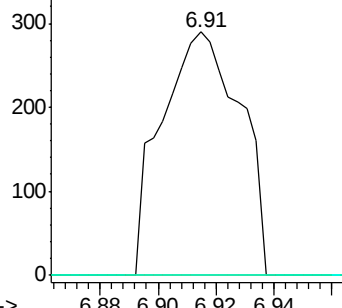
71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.40 min Scan# 1806

Delta R.T. 0.02 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

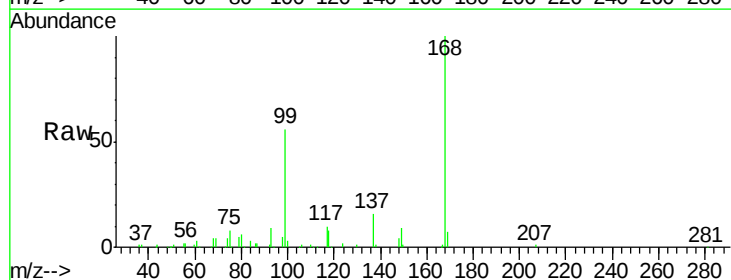
Tgt Ion: 56 Resp: 3716

Ion Ratio Lower Upper

56 100

69 180.0 25.9 38.9#

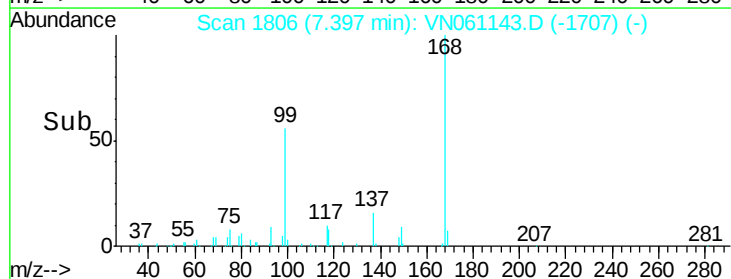
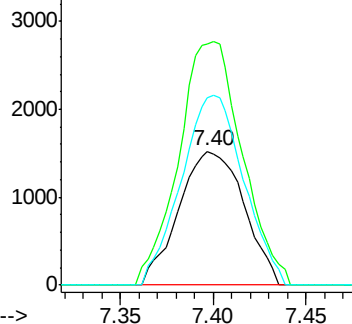
84 139.8 67.4 101.0#

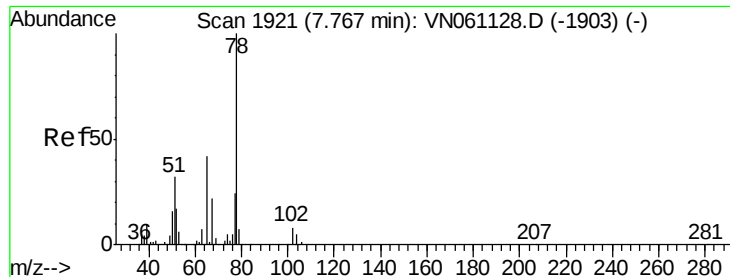


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.63 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. -0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampled :

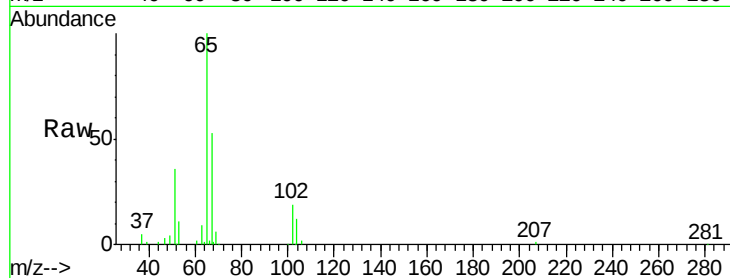
PB128387TB

Tgt Ion: 65 Resp: 114224

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN061143.D (-1828) (-)

Ion 66.90 (66.60 to 67.60): VN061143.D (-1828) (-)

7.77

50000

40000

30000

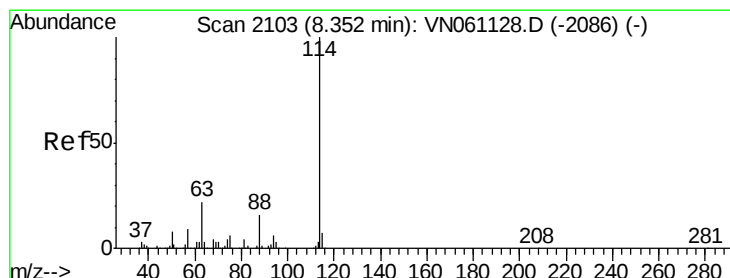
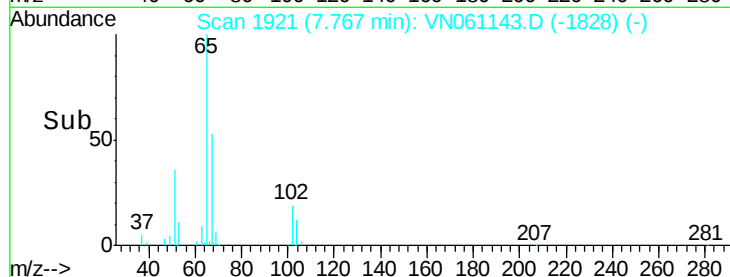
20000

10000

0

Time-->

7.70 7.80 7.90



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.35 min Scan# 2102

Delta R.T. -0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

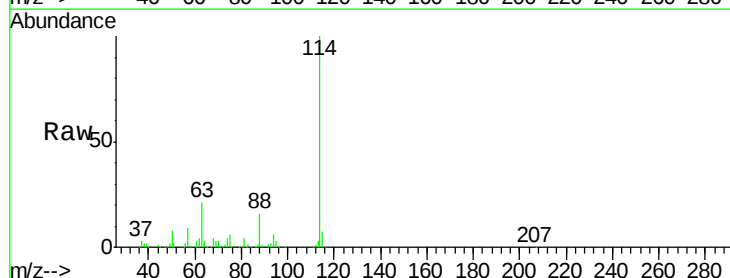
Tgt Ion: 114 Resp: 298187

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 16.3 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VN061143.D (-2010) (-)

Ion 63.00 (62.70 to 63.70): VN061143.D (-2010) (-)

Ion 87.90 (87.60 to 88.60): VN061143.D (-2010) (-)

8.35

200000

150000

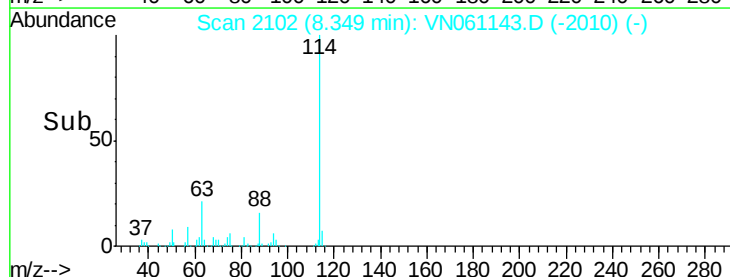
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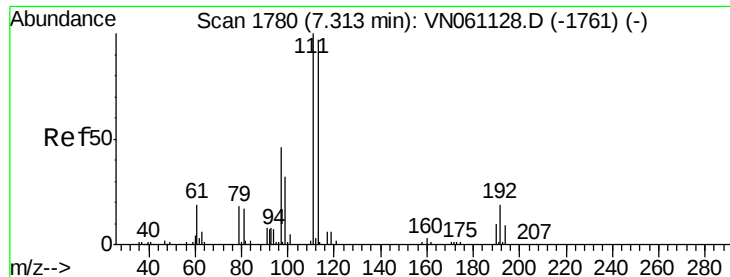
50000

0

Time-->

8.25 8.30 8.35 8.40 8.45

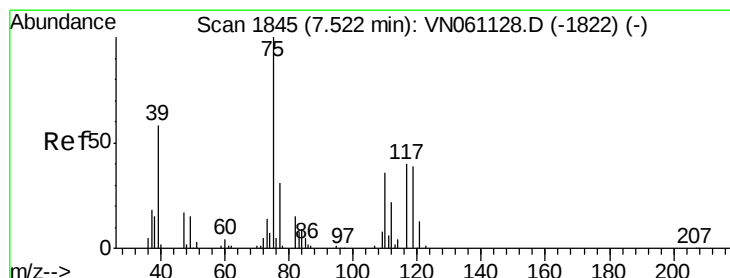
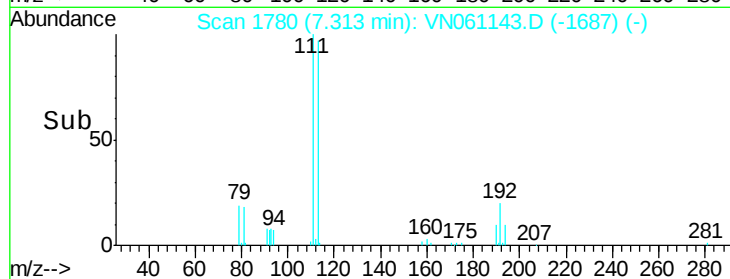
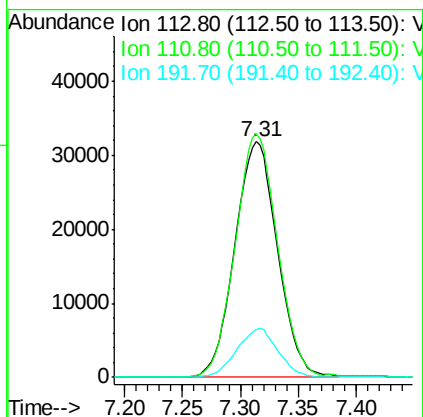
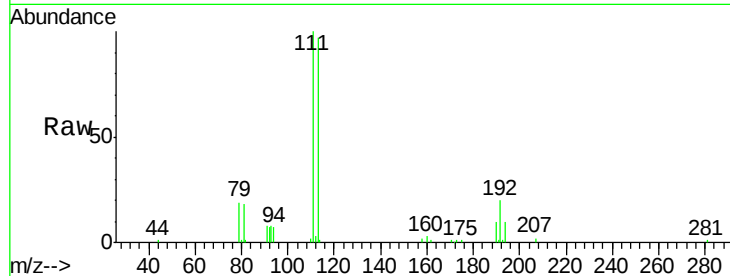




#35
 Dibromofluoromethane
 Concen: 47.82 ug/l
 RT: 7.31 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: VN061143.D
 Acq: 22 Apr 2020 21:25

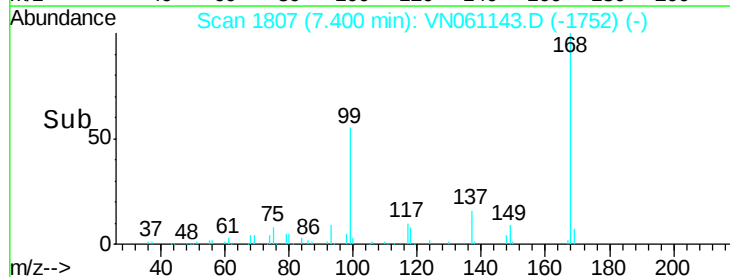
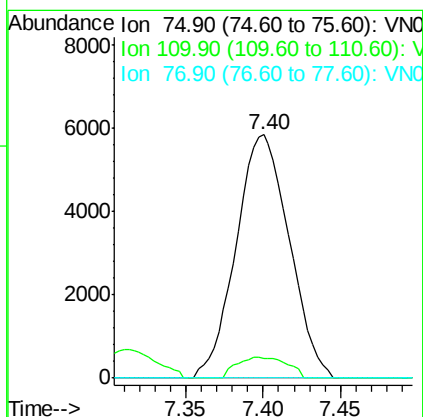
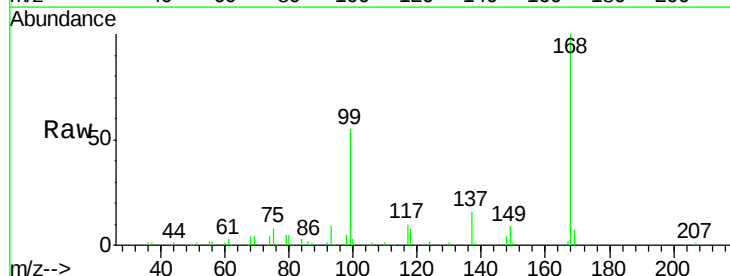
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128387TB

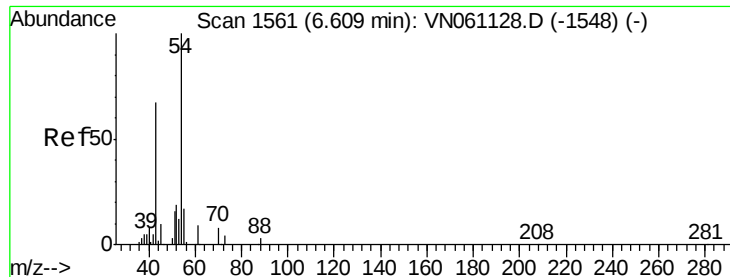
Tgt Ion: 113 Resp: 81372
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.0 124.6
 192 20.0 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.78 ug/l
 RT: 7.40 min Scan# 1807
 Delta R.T. -0.12 min
 Lab File: VN061143.D
 Acq: 22 Apr 2020 21:25

Tgt Ion: 75 Resp: 13935
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.7 53.1#
 77 0.0 24.8 37.2#

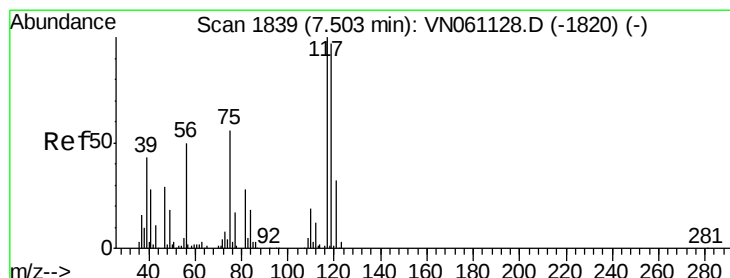
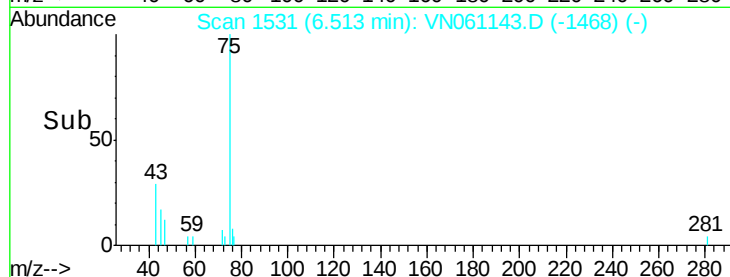
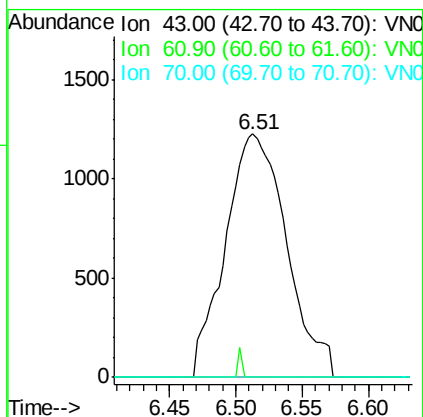
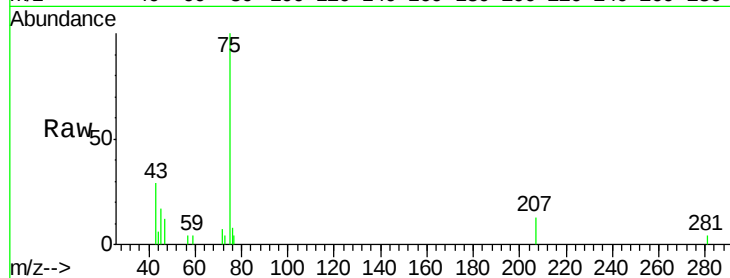




#37
Ethyl Acetate
Concen: 1.35 ug/l
RT: 6.51 min Scan# 1531
Delta R.T. -0.10 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

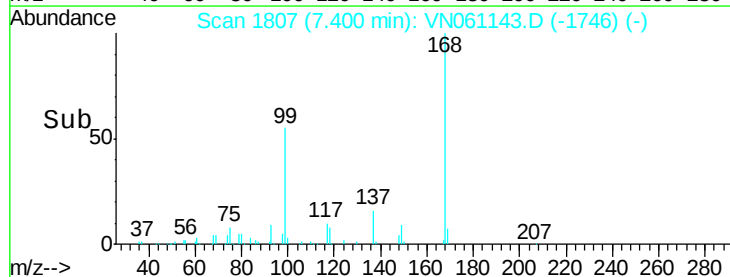
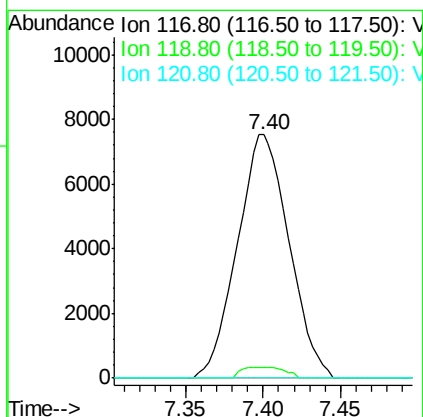
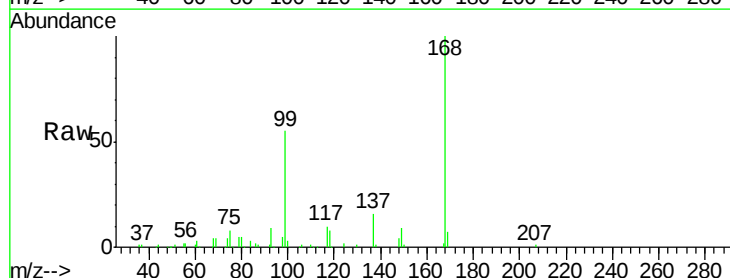
Instrument :
MSVOA_N
ClientSampleId :
PB128387TB

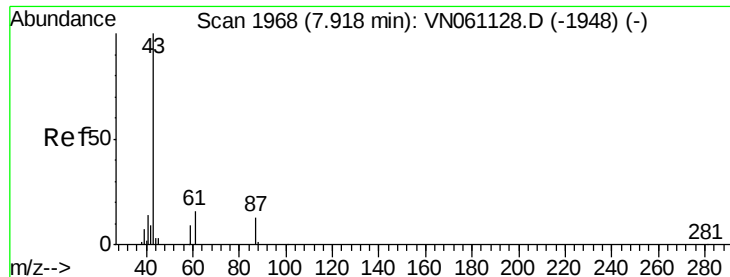
Tgt Ion: 43 Resp: 3951
Ion Ratio Lower Upper
43 100
61 0.7 11.4 17.0#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 6.85 ug/l
RT: 7.40 min Scan# 1807
Delta R.T. -0.10 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

Tgt Ion: 117 Resp: 17482
Ion Ratio Lower Upper
117 100
119 4.2 76.9 115.3#
121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 11.14 ug/l

RT: 7.92 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampleId :

PB128387TB

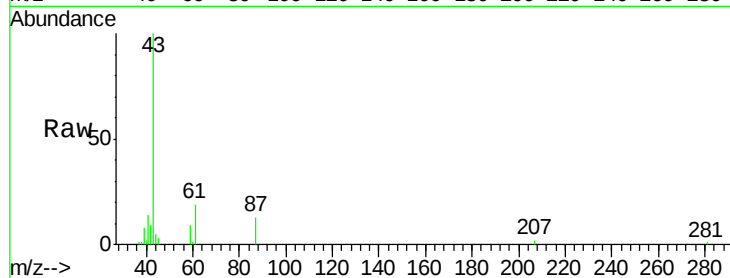
Tgt Ion: 43 Resp: 55270

Ion Ratio Lower Upper

43 100

61 19.4 15.5 23.3

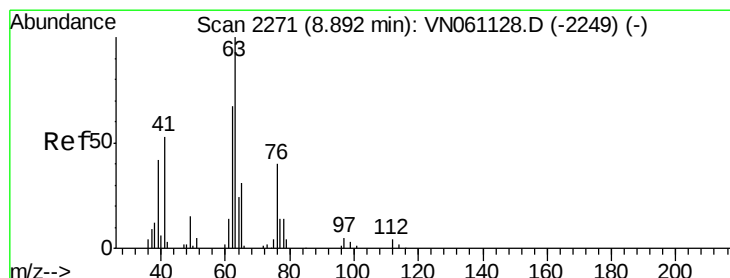
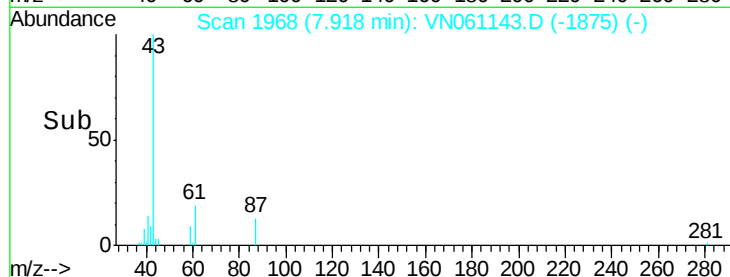
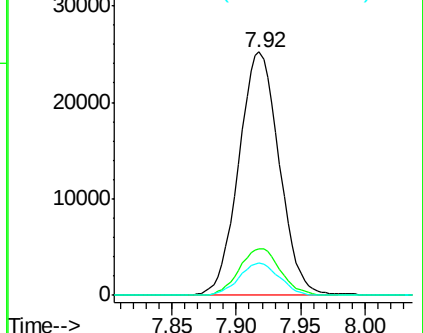
87 13.0 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VN061128.D (-1948) (-)

Ion 61.00 (60.70 to 61.70): VN061128.D (-1948) (-)

Ion 87.00 (86.70 to 87.70): VN061128.D (-1948) (-)



#45

1,2-Dichloropropane

Concen: 0.47 ug/l

RT: 9.06 min Scan# 2322

Delta R.T. 0.16 min

Lab File: VN061143.D

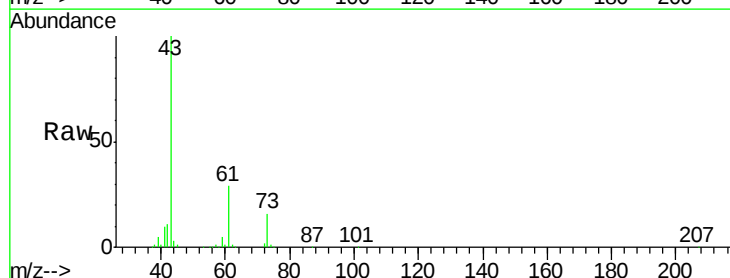
Acq: 22 Apr 2020 21:25

Tgt Ion: 63 Resp: 1073

Ion Ratio Lower Upper

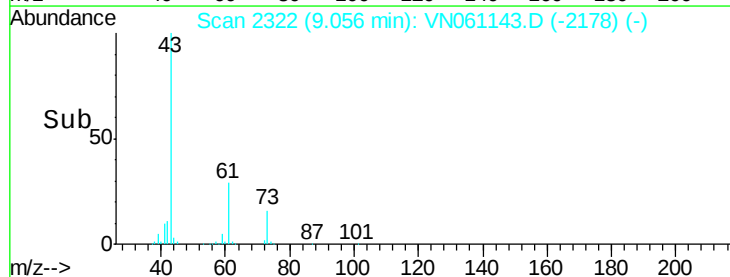
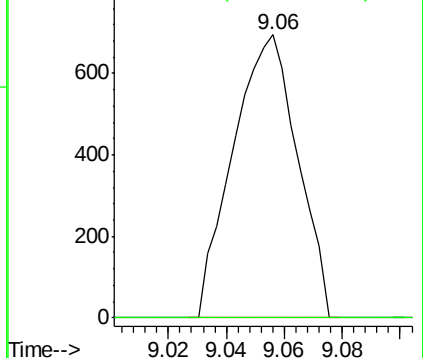
63 100

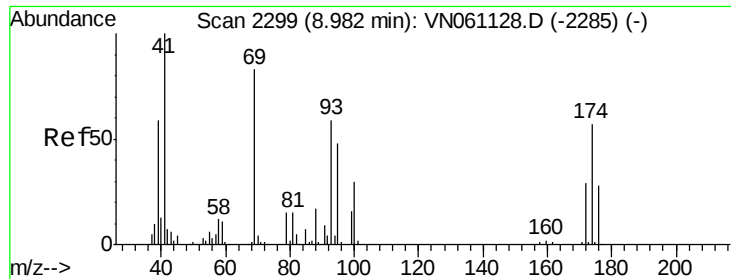
65 0.0 24.7 37.1#



Abundance Ion 62.90 (62.60 to 63.60): VN061128.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN061128.D (-2249) (-)

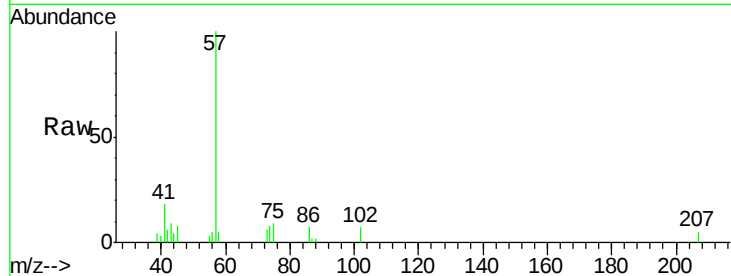




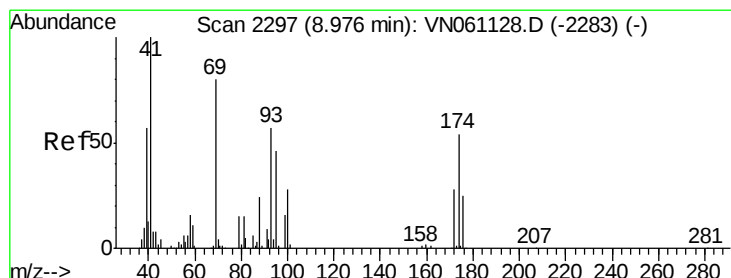
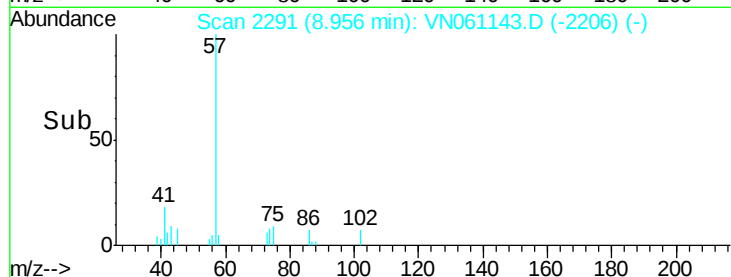
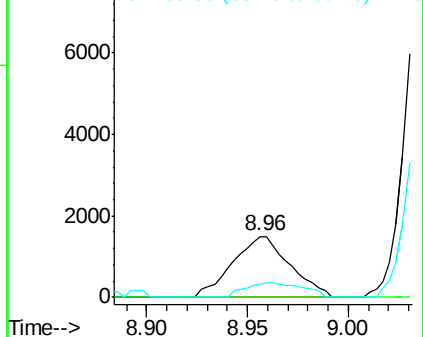
#48
Methyl methacrylate
Concen: 1.27 ug/l
RT: 8.96 min Scan# 2291
Delta R.T. -0.03 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

Instrument :
MSVOA_N
ClientSampled :
PB128387TB

Tgt Ion: 41 Resp: 2957
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.2#
39 0.0 47.8 71.6#

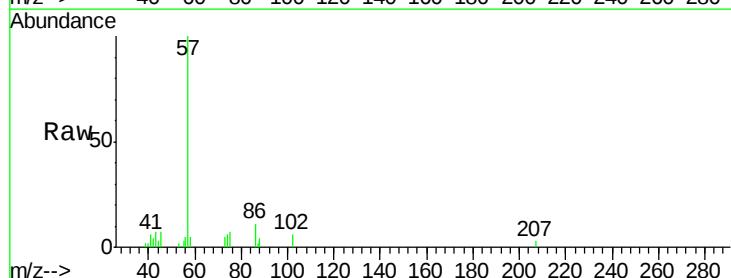


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

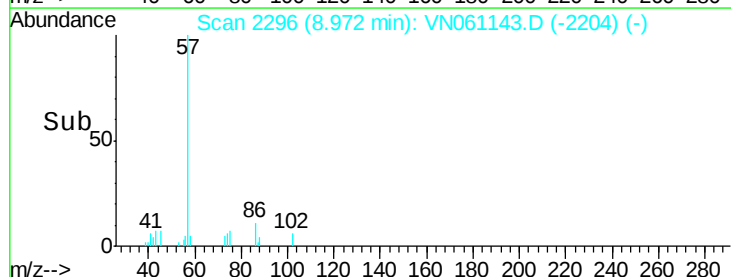
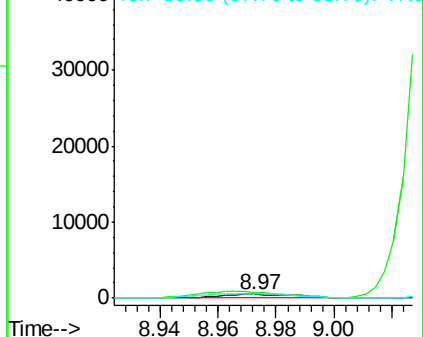


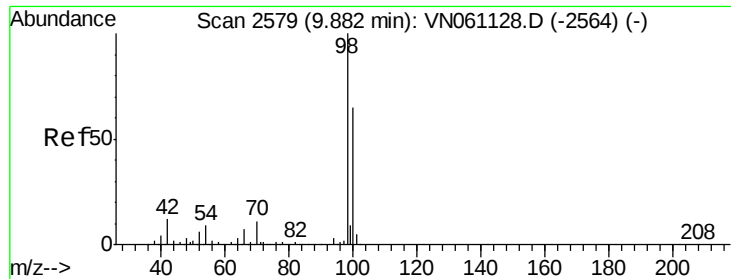
#49
1,4-Dioxane
Concen: Below Cal
RT: 8.97 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

Tgt Ion: 88 Resp: 884
Ion Ratio Lower Upper
88 100
43 0.0 29.0 43.4#
58 152.0 57.8 86.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

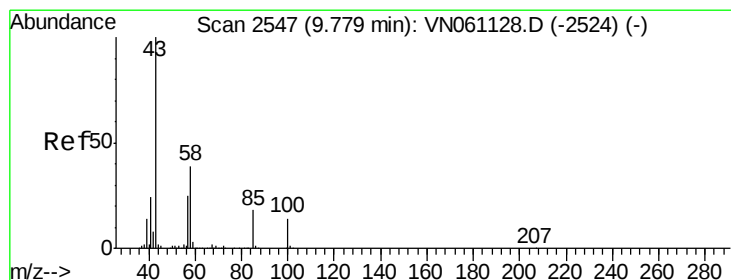
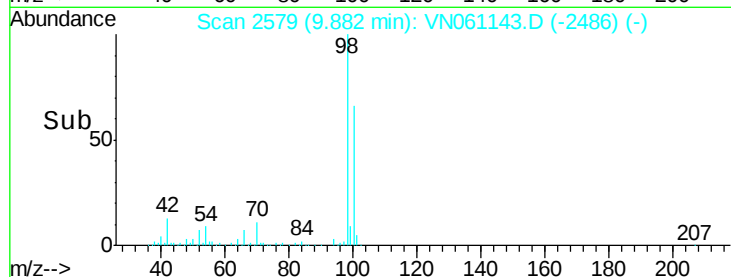
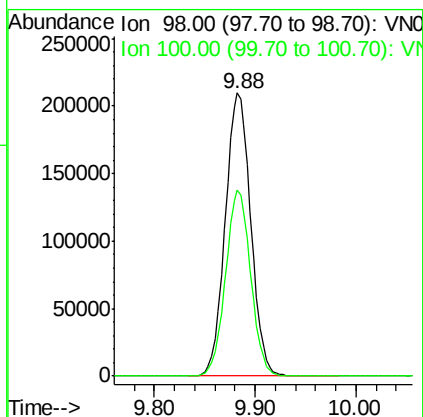
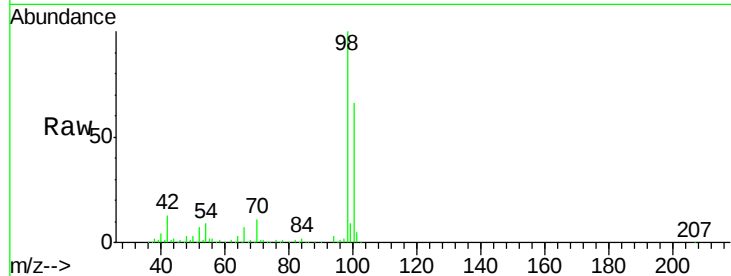




#50
Toluene-d8
Concen: 50.75 ug/l
RT: 9.88 min Scan# 2579
Delta R.T. -0.00 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

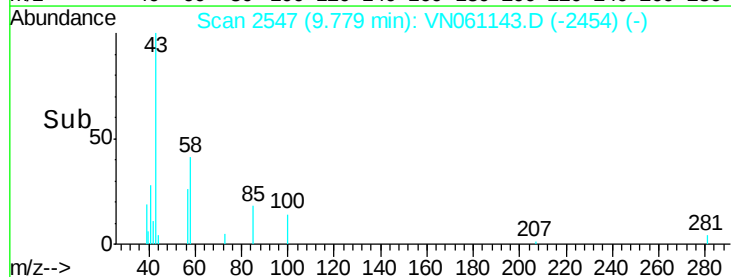
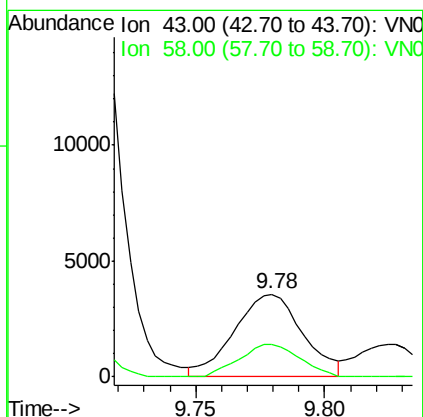
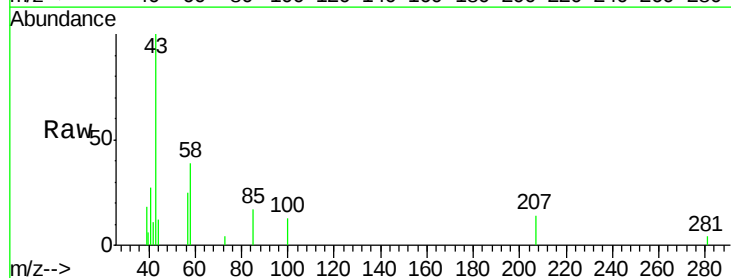
Instrument :
MSVOA_N
ClientSampleId :
PB128387TB

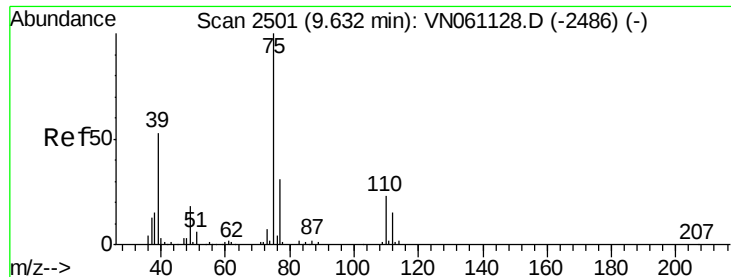
Tgt Ion: 98 Resp: 370105
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.28 ug/l
RT: 9.78 min Scan# 2547
Delta R.T. -0.00 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

Tgt Ion: 43 Resp: 6615
Ion Ratio Lower Upper
43 100
58 34.8 31.0 46.6





#54

cis-1,3-Dichloropropene

Concen: 6.72 ug/l

RT: 9.70 min Scan# 2523

Delta R.T. 0.07 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampleId :

PB128387TB

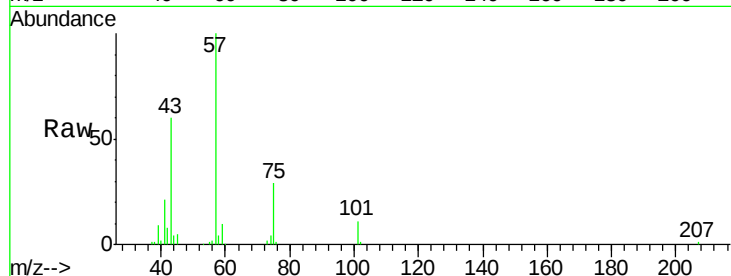
Tgt Ion: 75 Resp: 24666

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

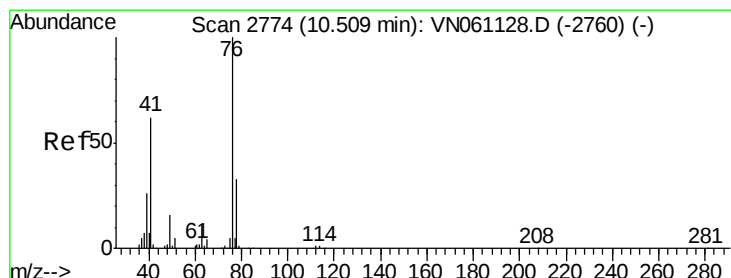
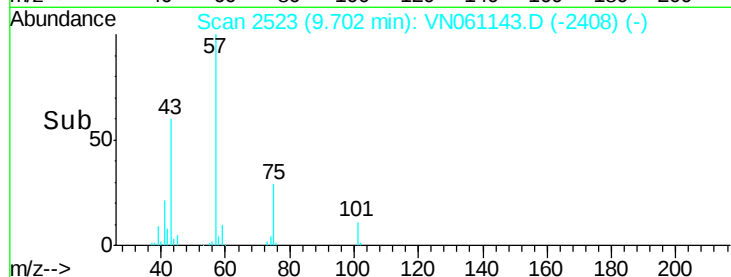
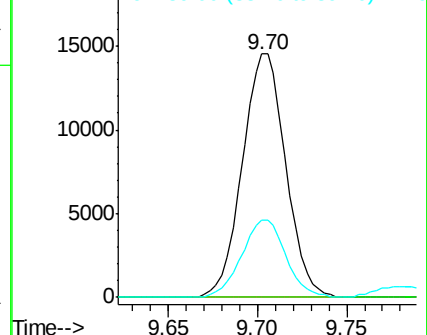
39 31.7 42.1 63.1#



Abundance Ion 74.90 (74.60 to 75.60): VN061128.D (-2486) (-)

Ion 76.90 (76.60 to 77.60): VN061128.D (-2486) (-)

Ion 39.00 (38.70 to 39.70): VN061128.D (-2486) (-)



#57

1,3-Dichloropropane

Concen: 1.29 ug/l

RT: 10.57 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN061143.D

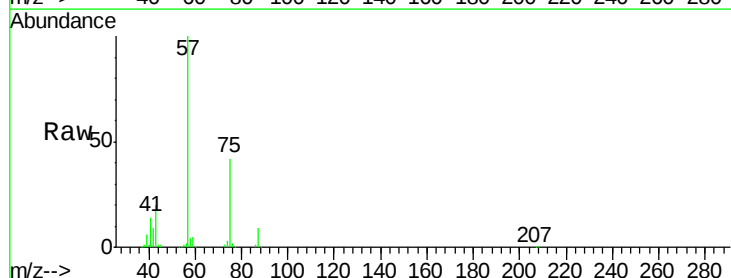
Acq: 22 Apr 2020 21:25

Tgt Ion: 76 Resp: 4543

Ion Ratio Lower Upper

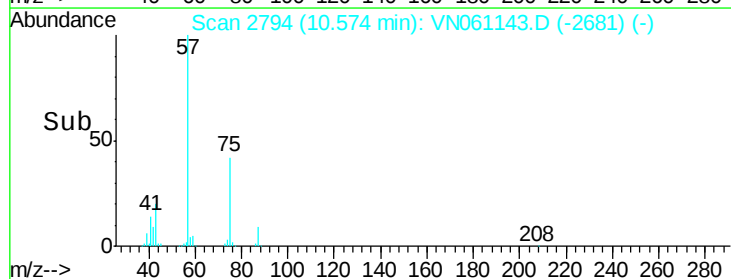
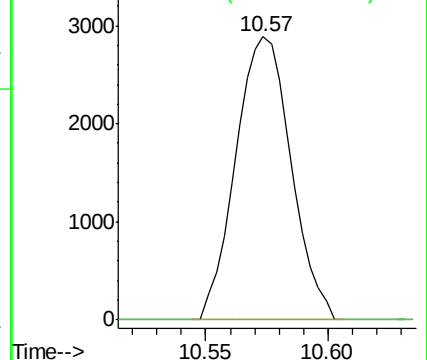
76 100

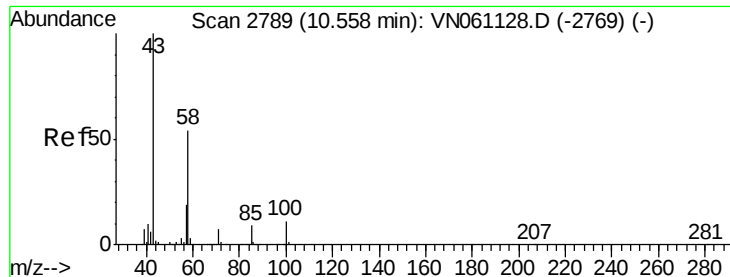
78 0.0 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VN061128.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN061128.D (-2760) (-)





#59

2-Hexanone

Concen: 28.61 ug/l

RT: 10.57 min Scan# 2794

Delta R.T. 0.02 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampleId :

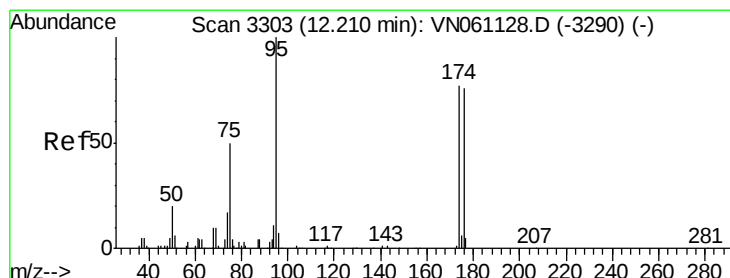
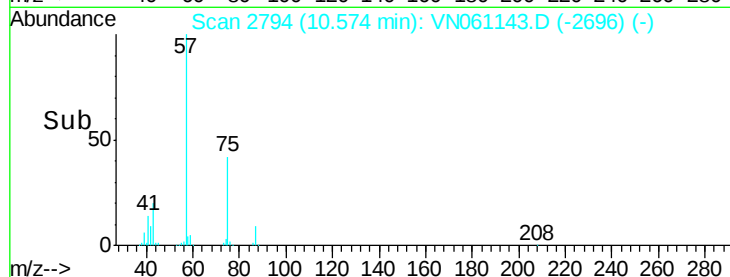
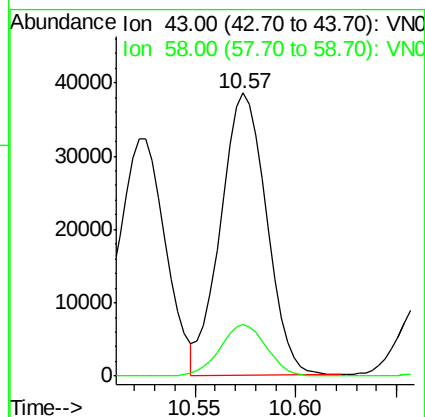
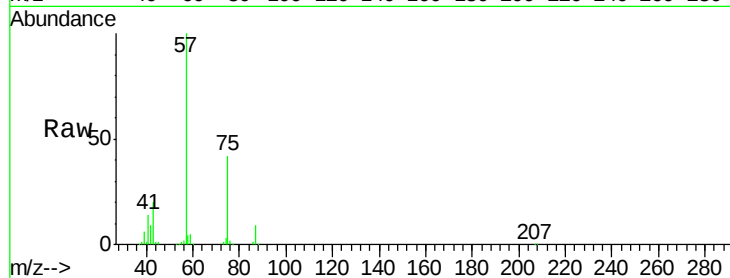
PB128387TB

Tgt Ion: 43 Resp: 61194

Ion Ratio Lower Upper

43 100

58 18.5 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 53.28 ug/l

RT: 12.21 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

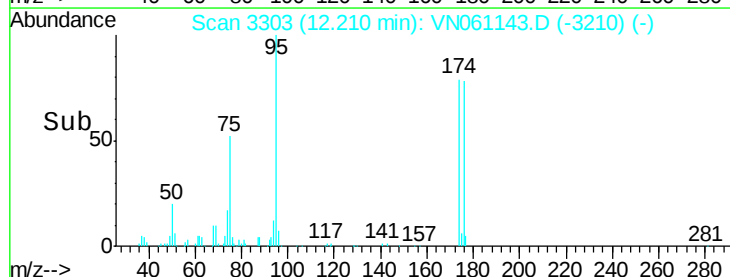
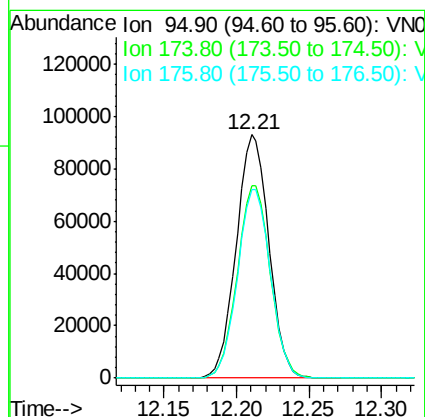
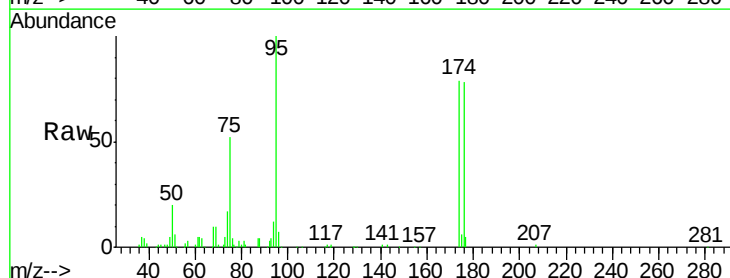
Tgt Ion: 95 Resp: 145507

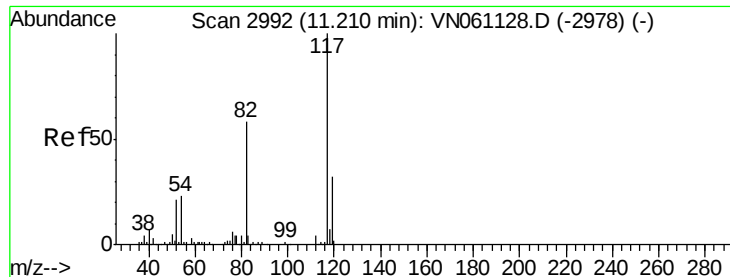
Ion Ratio Lower Upper

95 100

174 79.9 0.0 157.6

176 78.3 0.0 154.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.21 min Scan# 2992

Delta R.T. -0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

Instrument :

MSVOA_N

ClientSampleId :

PB128387TB

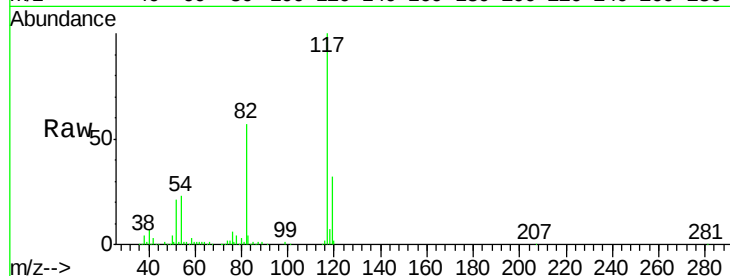
Tgt Ion:117 Resp: 291292

Ion Ratio Lower Upper

117 100

82 56.5 46.0 69.0

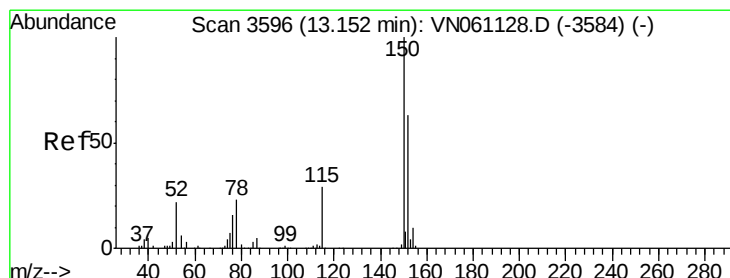
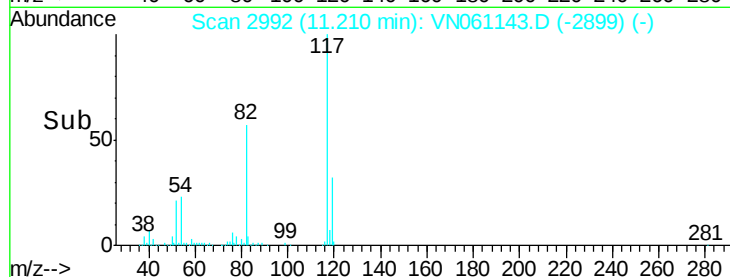
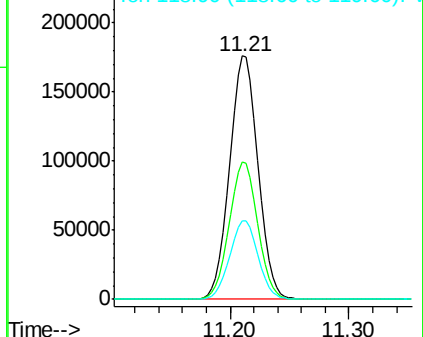
119 32.4 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.15 min Scan# 3596

Delta R.T. -0.00 min

Lab File: VN061143.D

Acq: 22 Apr 2020 21:25

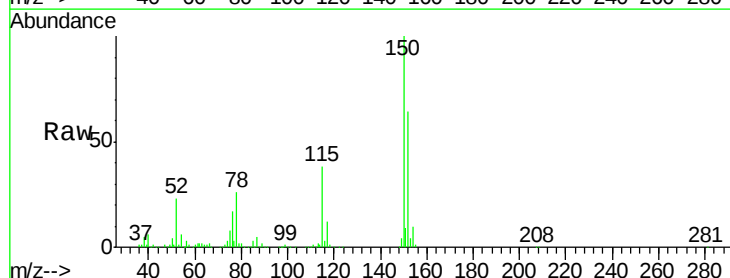
Tgt Ion:152 Resp: 144179

Ion Ratio Lower Upper

152 100

115 59.7 29.8 89.5

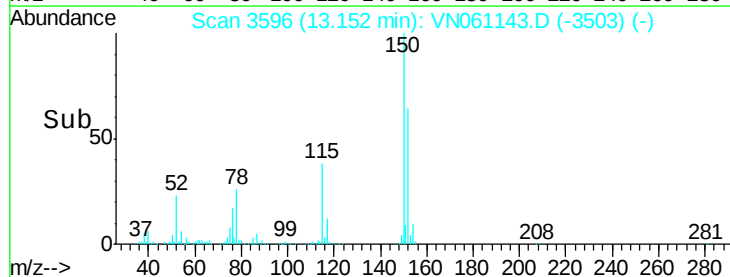
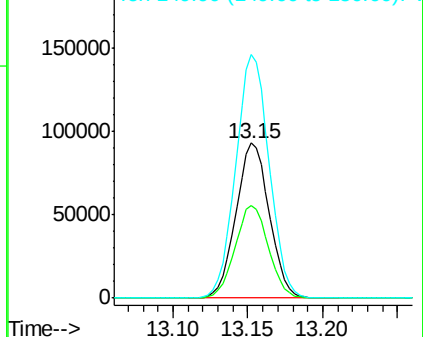
150 157.2 0.0 348.6

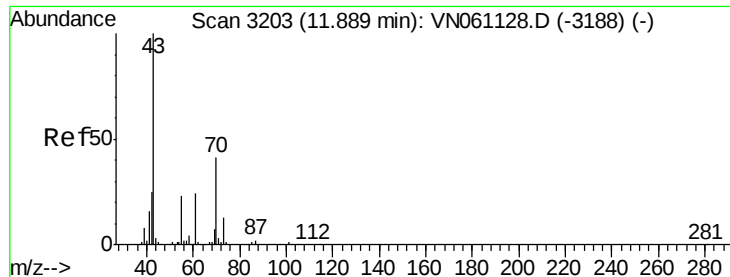


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

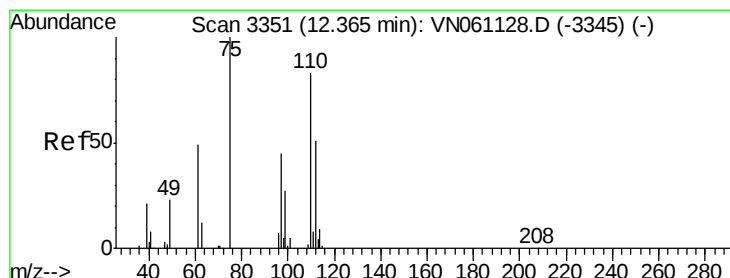
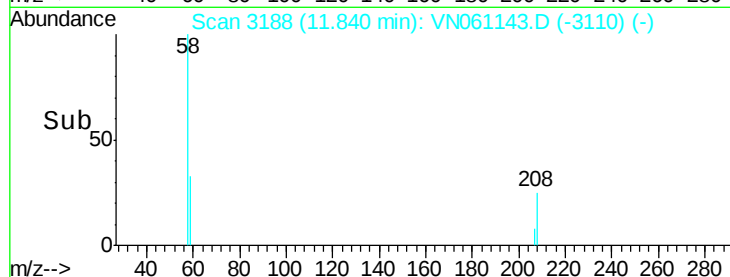
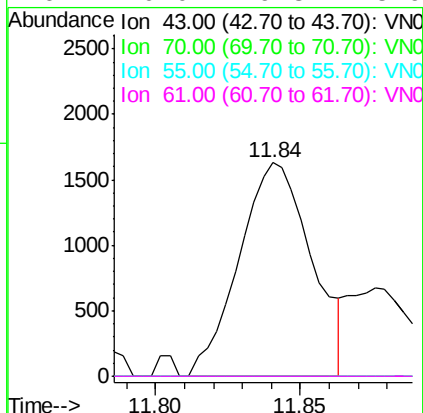
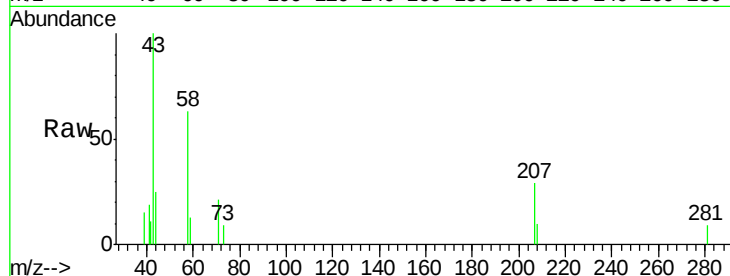




#74
N-amyI acetate
Concen: 0.58 ug/l
RT: 11.84 min Scan# 3188
Delta R.T. -0.05 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

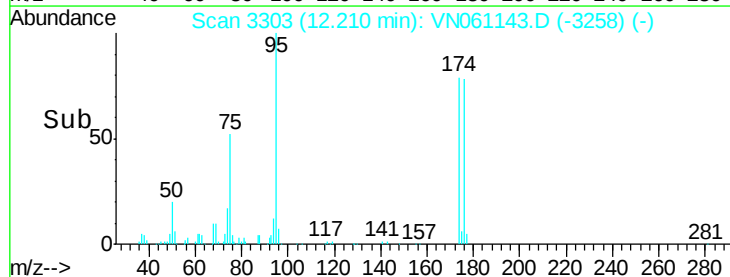
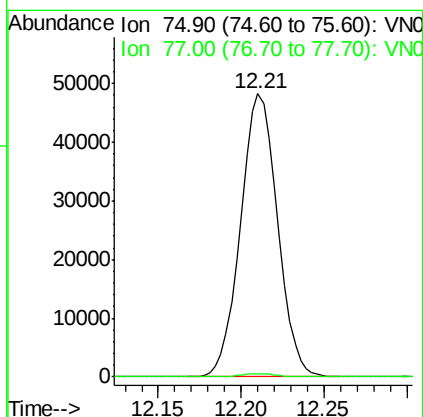
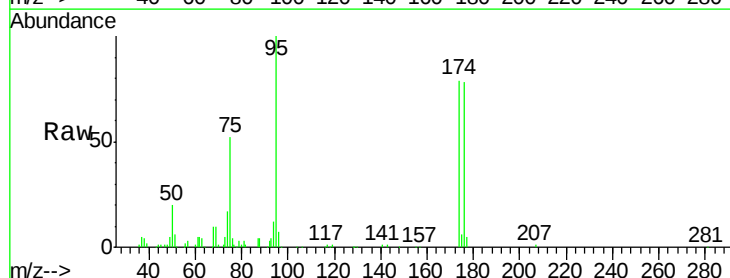
Instrument :
MSVOA_N
ClientSampleId :
PB128387TB

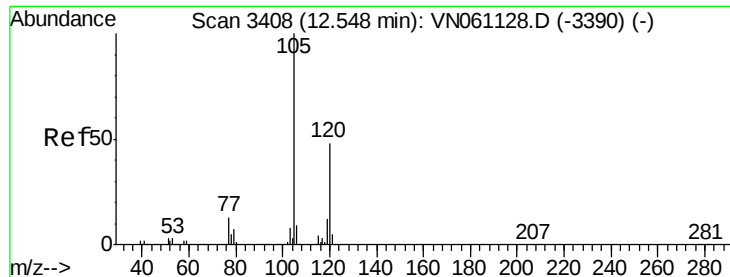
Tgt Ion:	43	Resp:	2836
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.5	48.7#
55	0.0	19.0	28.6#
61	0.0	19.3	28.9#



#76
1,2,3-Trichloropropane
Concen: 22.44 ug/l
RT: 12.21 min Scan# 3303
Delta R.T. -0.15 min
Lab File: VN061143.D
Acq: 22 Apr 2020 21:25

Tgt Ion:	75	Resp:	74623
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

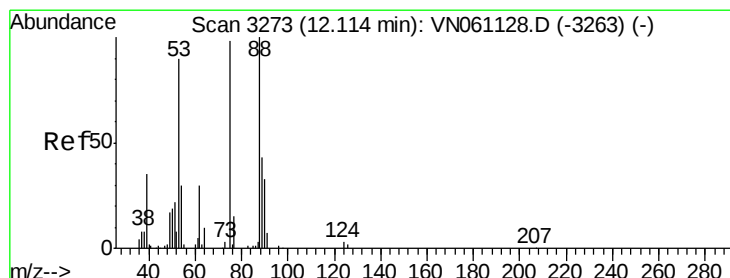
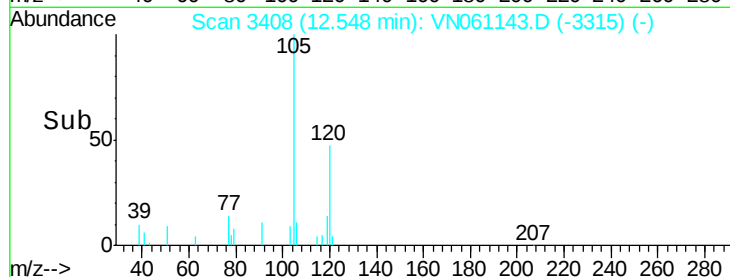
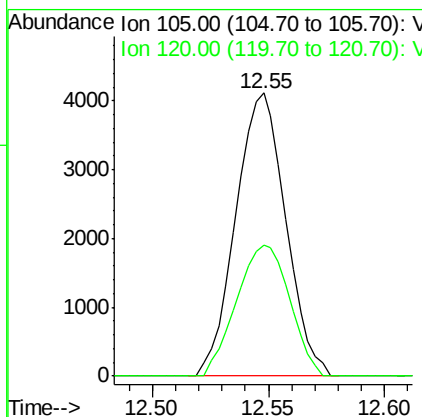
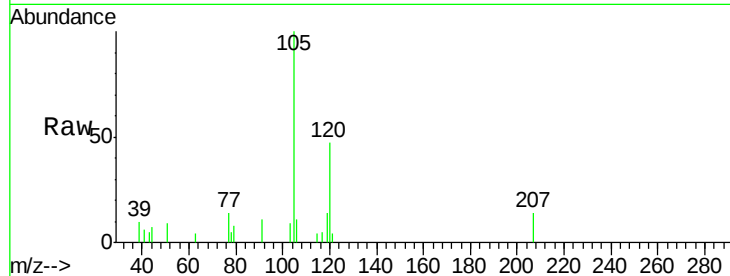




#80
 1,3,5-Trimethylbenzene
 Concen: 0.67 ug/l
 RT: 12.55 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN061143.D
 Acq: 22 Apr 2020 21:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128387TB

Tgt Ion: 105 Resp: 6160
 Ion Ratio Lower Upper
 105 100
 120 49.2 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.93 ug/l
 RT: 12.21 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN061143.D
 Acq: 22 Apr 2020 21:25

Tgt Ion: 75 Resp: 74623
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.3 111.5#
 89 0.0 36.6 55.0#

