

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060914.D
 Acq On : 13 Apr 2020 21:42
 Operator : JC/MD
 Sample : PB128105
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128105

Quant Time: Apr 14 07:24:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	147514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	247696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	227885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99825	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	96529	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
35) Dibromofluoromethane	7.56	113	72913	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.08	98	305867	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	112738	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

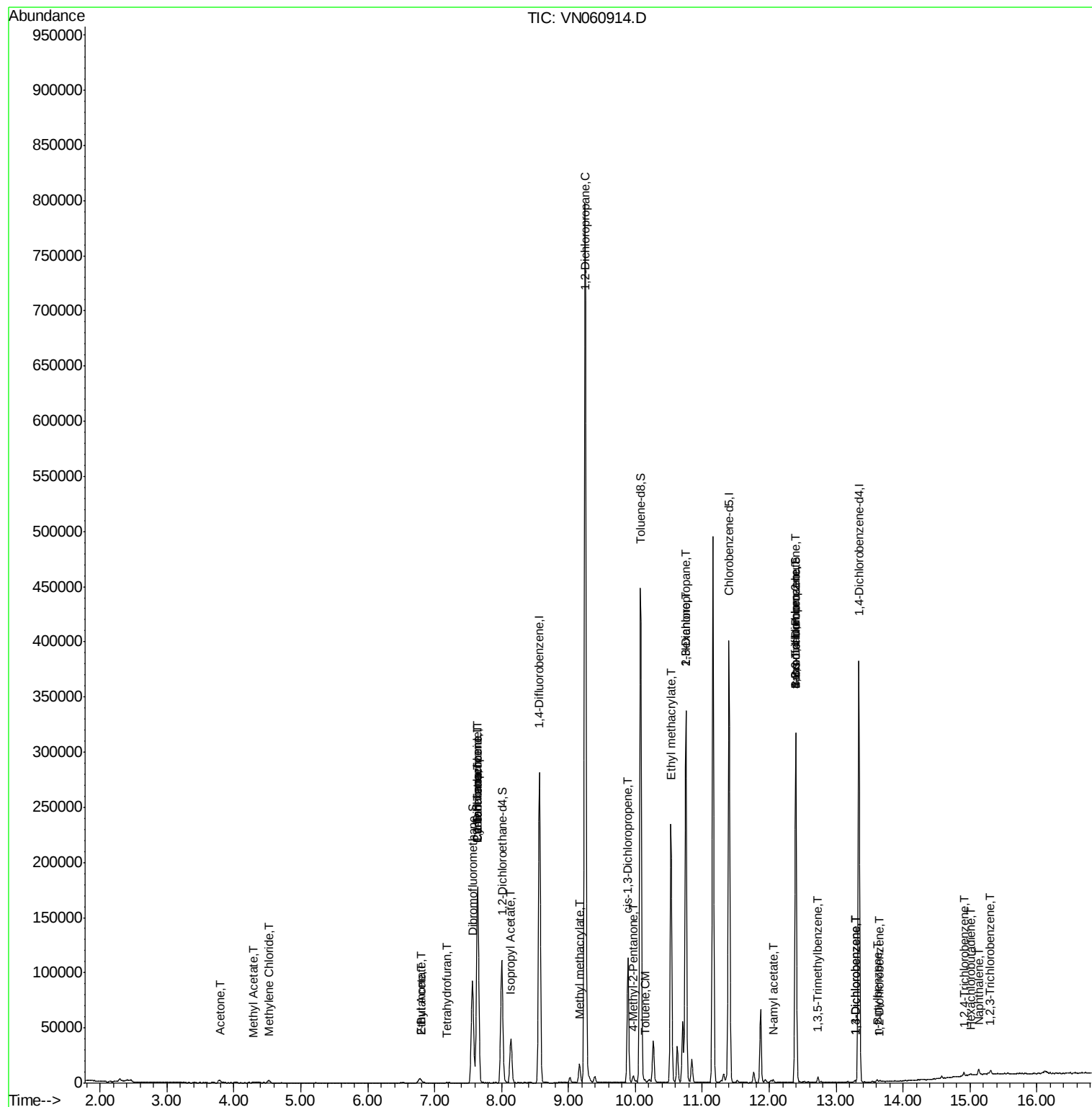
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4968	6.926	ug/l	94
18) Methyl Acetate	4.29	43	1390	0.688	ug/l #	54
20) Methylene Chloride	4.53	84	1588	0.900	ug/l	96
25) 2-Butanone	6.81	43	2182	1.880	ug/l #	90
29) Tetrahydrofuran	7.18	42	396	0.482	ug/l #	35
31) Cyclohexane	7.64	56	3025	0.927	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11602	4.837	ug/l #	49
37) Ethyl Acetate	6.81	43	2182	0.842	ug/l #	70
38) Carbon Tetrachloride	7.64	117	13937	6.483	ug/l #	17
43) Isopropyl Acetate	8.14	43	48865	11.433	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	783	0.410	ug/l #	43
48) Methyl methacrylate	9.16	41	2474	1.300	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4521	1.859	ug/l	97
52) Toluene	10.14	92	1188	0.272	ug/l	98
54) cis-1,3-Dichloropropene	9.89	75	20262	6.699	ug/l #	60
56) Ethyl methacrylate	10.53	69	541	0.206	ug/l #	1
57) 1,3-Dichloropropane	10.75	76	3342	1.145	ug/l #	42
59) 2-Hexanone	10.75	43	51399	29.338	ug/l #	53
71) Bromoform	12.39	173	257	1.863	ug/l #	1
74) N-amyl acetate	12.06	43	1416	0.409	ug/l #	54
76) 1,2,3-Trichloropropane	12.40	75	57529	26.708	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3627	0.571	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	57529	68.594	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	710	0.223	ug/l	87
88) 1,4-Dichlorobenzene	13.28	146	710	0.222	ug/l	88
89) n-Butylbenzene	13.61	91	1583	0.275	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	734	0.241	ug/l #	62
93) 1,2,4-Trichlorobenzene	14.90	180	1279	0.684	ug/l	98
94) Hexachlorobutadiene	15.01	225	391	0.427	ug/l	87
95) Naphthalene	15.13	128	4639	0.825	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	1385	0.752	ug/l	98

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

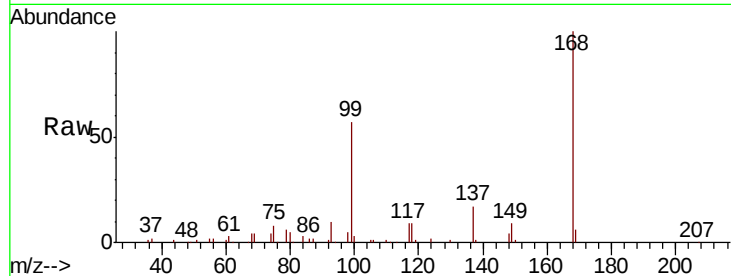
PB128105

Tot Ion:168 Resp: 147514

Ion Ratio Lower Upper

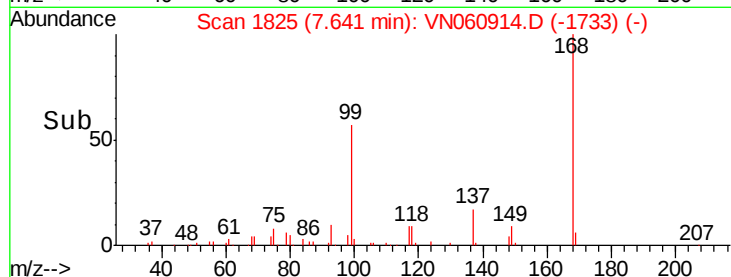
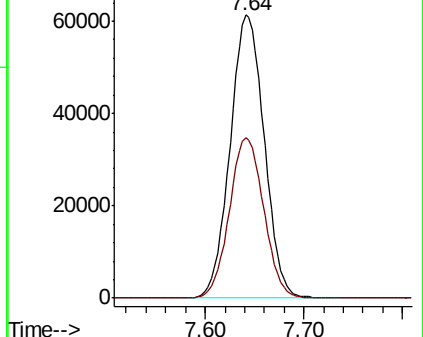
168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060914.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060914.D (-1733) (-)



#16

Acetone

Concen: 6.926 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060914.D

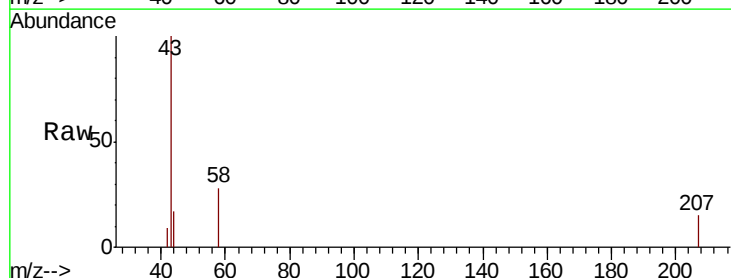
Acq: 13 Apr 2020 21:42

Tgt Ion: 43 Resp: 4968

Ion Ratio Lower Upper

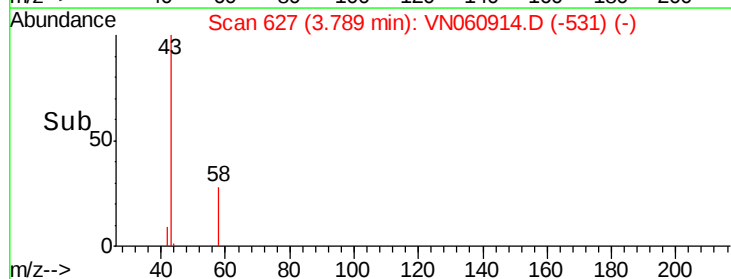
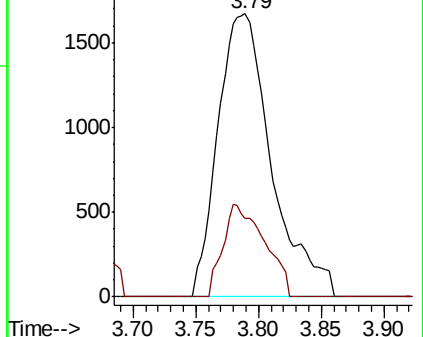
43 100

58 27.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060914.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060914.D (-531) (-)

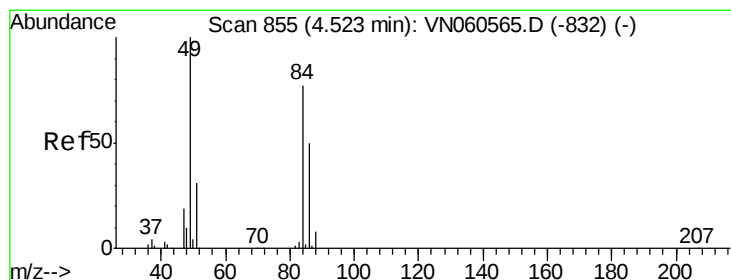
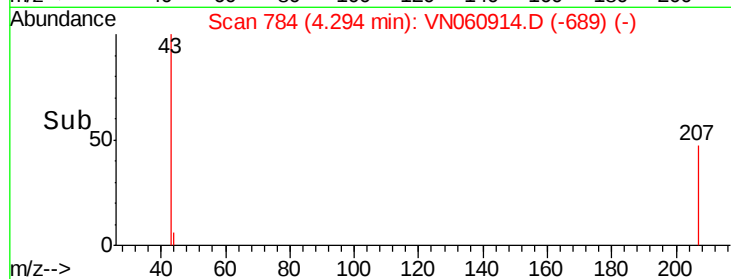
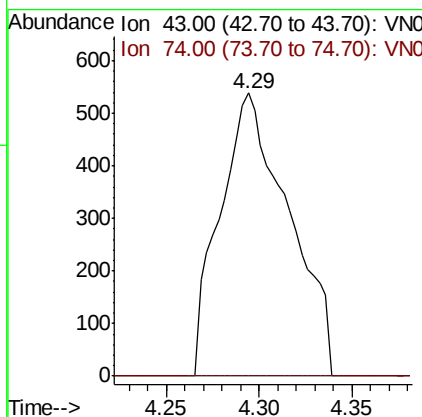
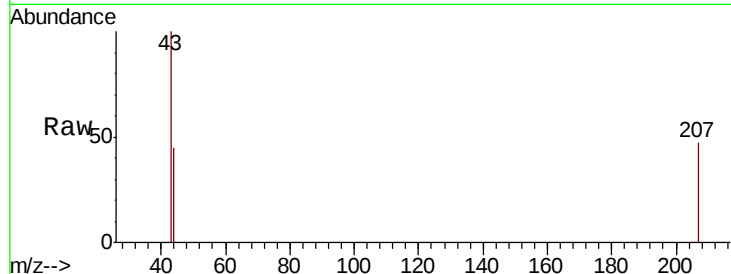




#18
Methyl Acetate
Concen: 0.688 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN060914.D
Acq: 13 Apr 2020 21:42

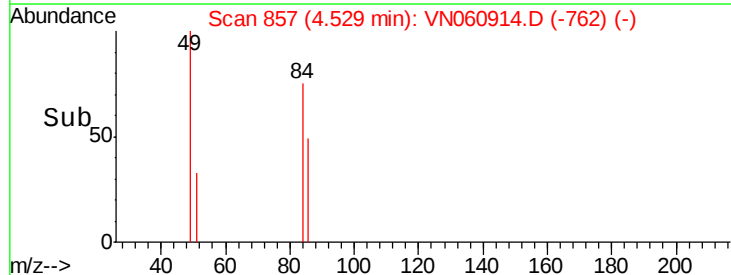
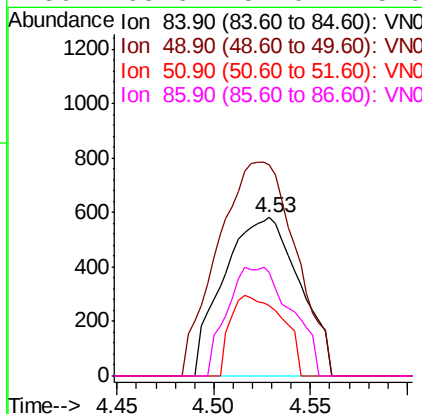
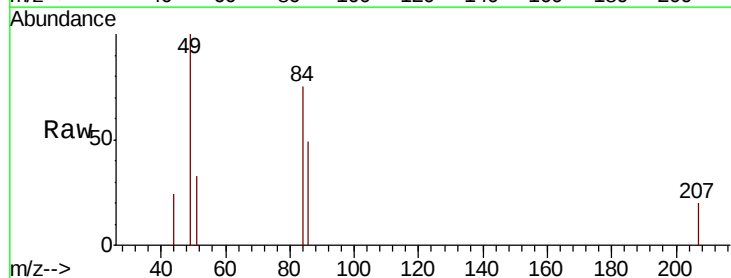
Instrument :
MSVOA_N
ClientSampled :
PB128105

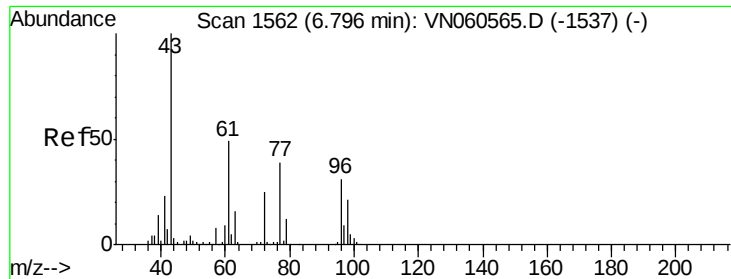
Tot Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 0.900 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060914.D
Acq: 13 Apr 2020 21:42

Tgt Ion: 84 Resp: 1588
Ion Ratio Lower Upper
84 100
49 133.4 103.3 154.9
51 44.2 31.6 47.4
86 65.6 52.0 78.0





#25

2-Butanone

Concen: 1.880 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.01 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

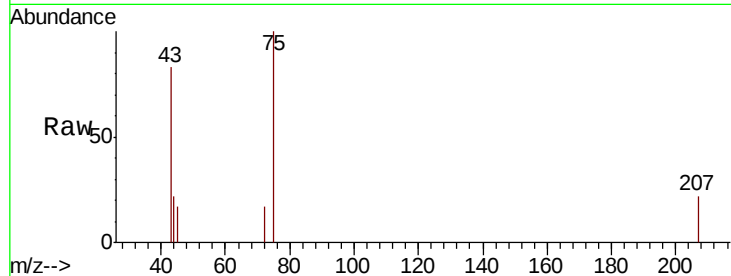
PB128105

Tot Ion: 43 Resp: 2182

Ion Ratio Lower Upper

43 100

72 20.4 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

800

600

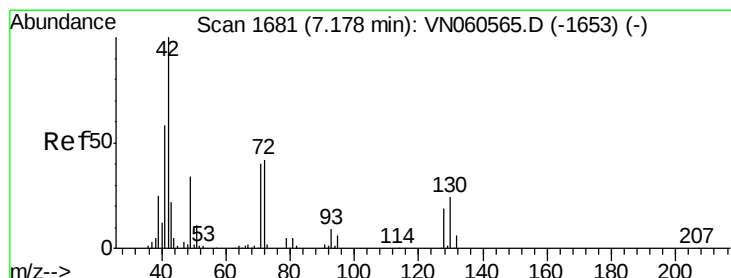
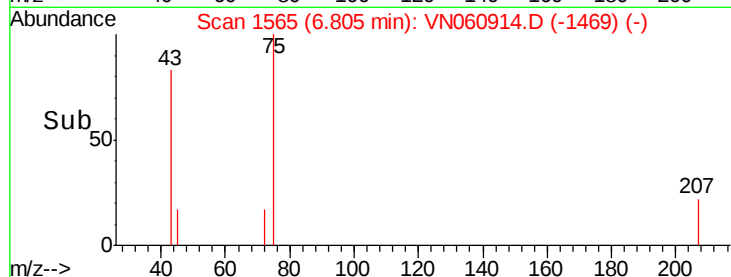
400

200

0

6.75 6.80 6.85

Time-->



#29

Tetrahydrofuran

Concen: 0.482 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

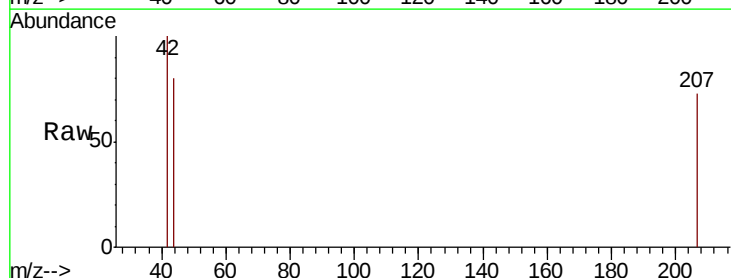
Tgt Ion: 42 Resp: 396

Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 0.0 31.1 46.7#



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

300

250

200

150

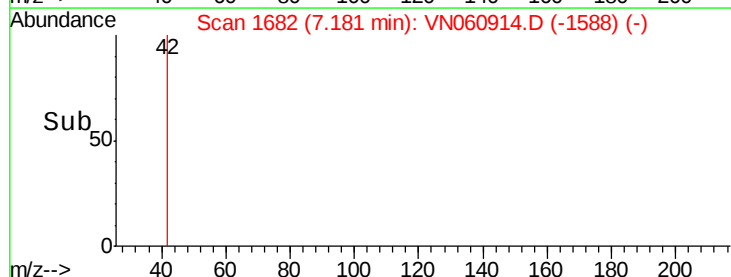
100

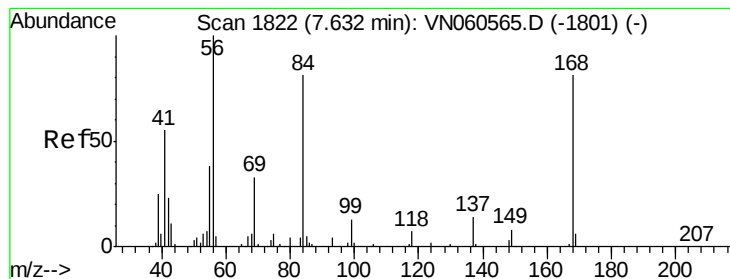
50

0

7.16 7.18 7.20 7.22

Time-->





#31

Cyclohexane

Concen: 0.927 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

PB128105

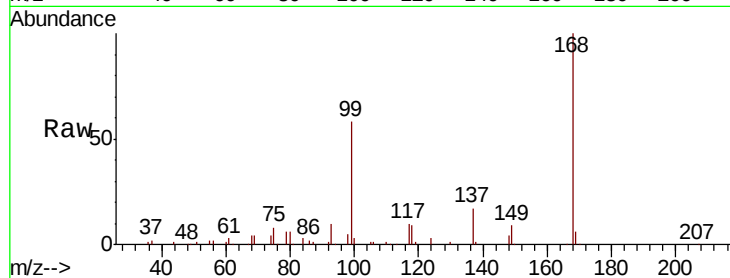
Tot Ion: 56 Resp: 3025

Ion Ratio Lower Upper

56 100

69 174.1 26.6 40.0#

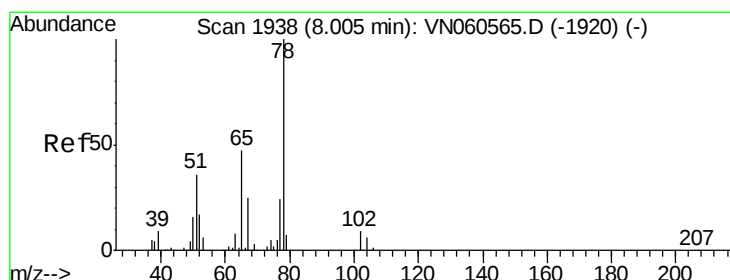
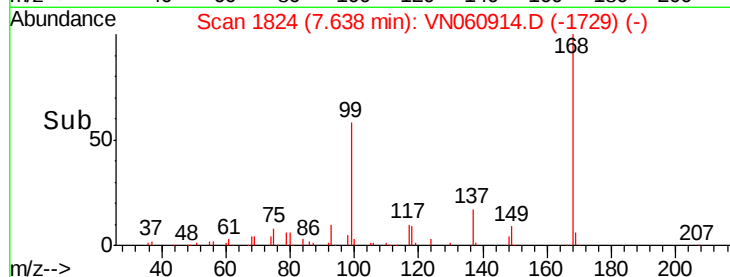
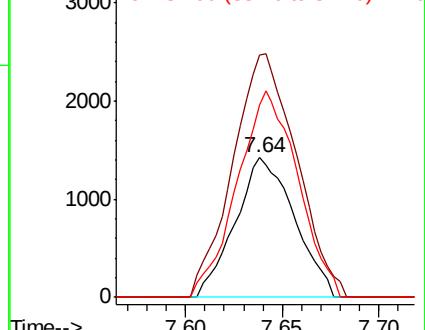
84 137.9 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN060914.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060914.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060914.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.668 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060914.D

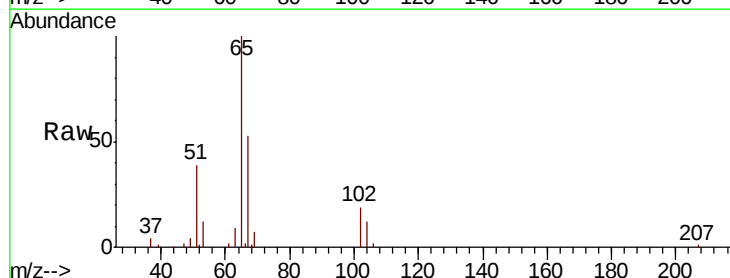
Acq: 13 Apr 2020 21:42

Tgt Ion: 65 Resp: 96529

Ion Ratio Lower Upper

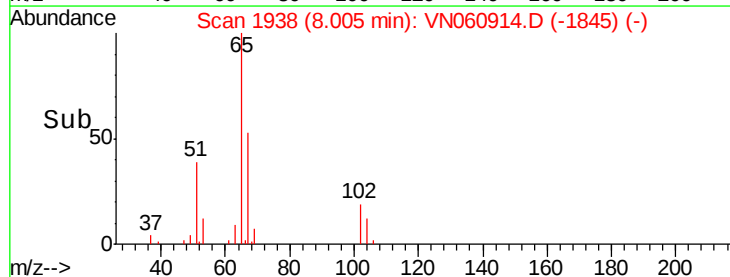
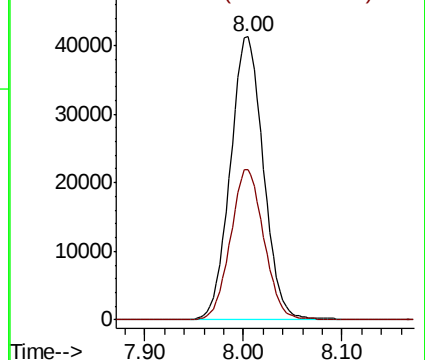
65 100

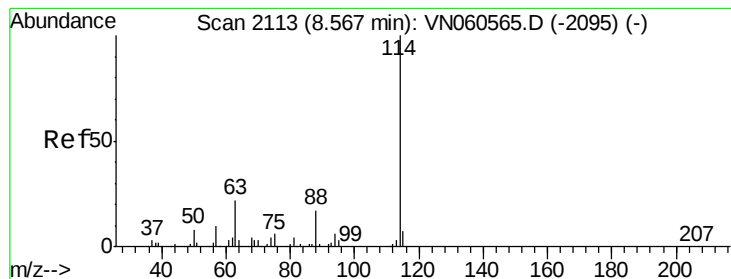
67 53.6 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN060914.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060914.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

PB128105

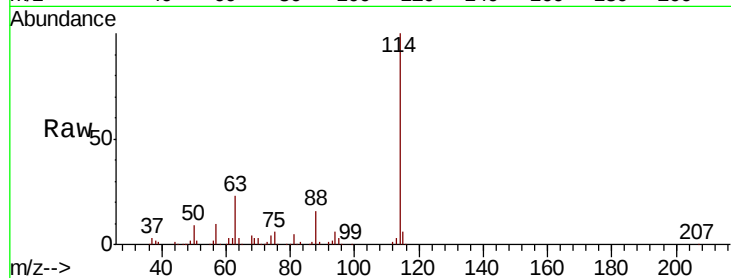
Tot Ion:114 Resp: 247696

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

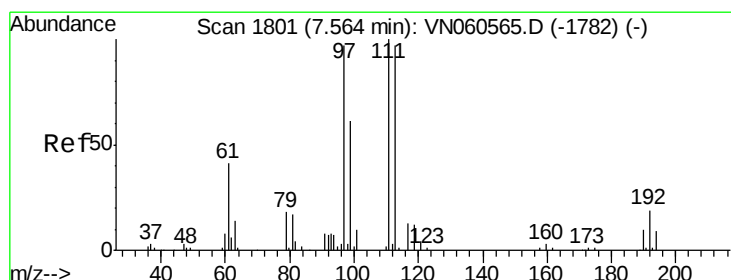
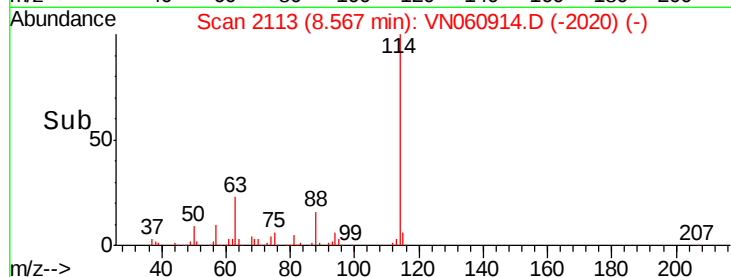
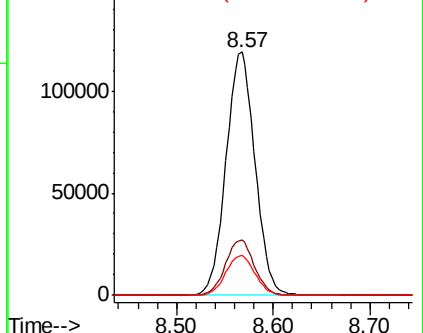
88 16.3 0.0 33.0



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: 48.682 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

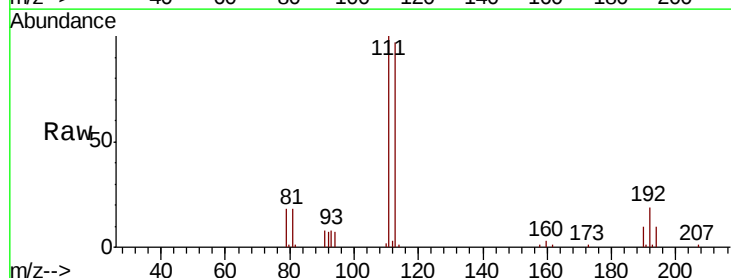
Tgt Ion:113 Resp: 72913

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

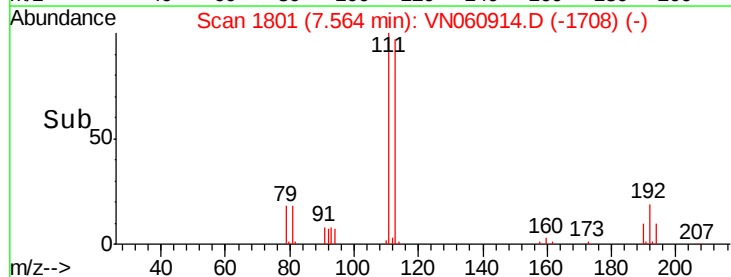
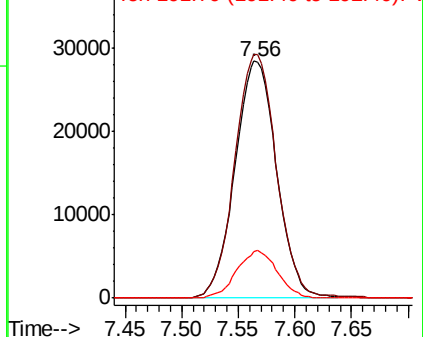
192 19.6 15.8 23.8

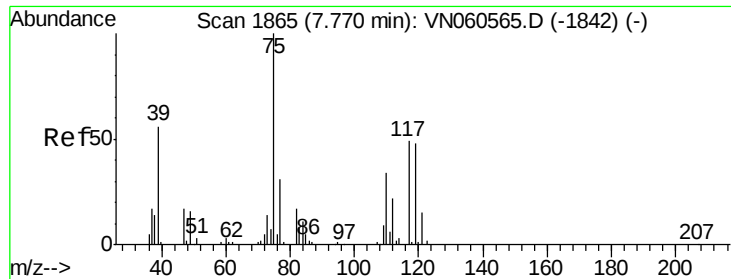


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.837 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

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PB128105

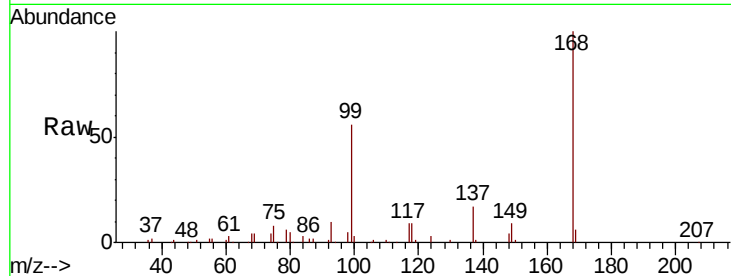
Tot Ion: 75 Resp: 11602

Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.6#

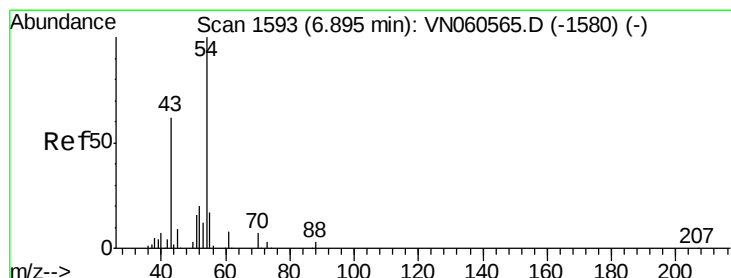
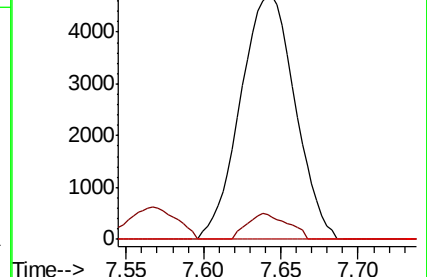
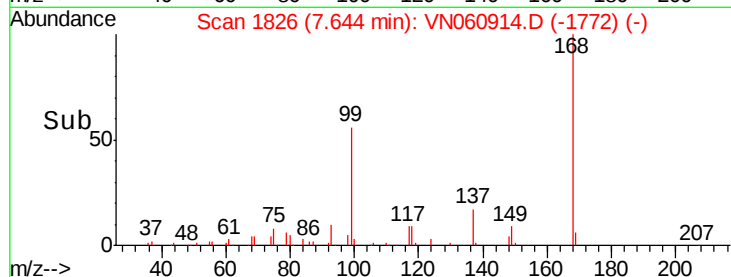
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN060914.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060914.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060914.D (-1772) (-)



#37

Ethyl Acetate

Concen: 0.842 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.09 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

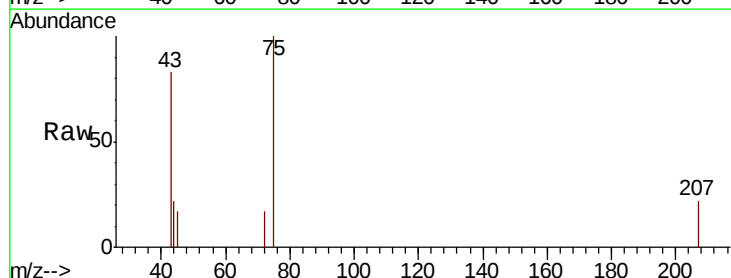
Tgt Ion: 43 Resp: 2182

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

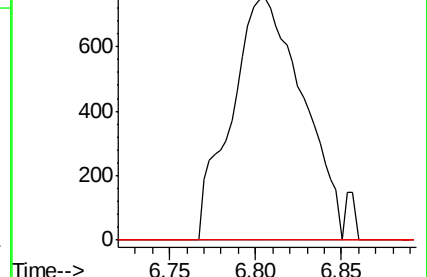
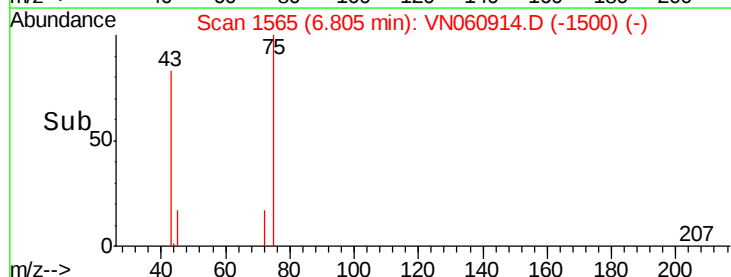
70 0.0 7.9 11.9#

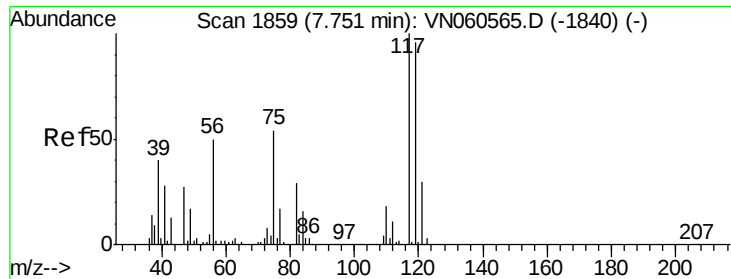


Abundance Ion 43.00 (42.70 to 43.70): VN060914.D (-1500) (-)

Ion 60.90 (60.60 to 61.60): VN060914.D (-1500) (-)

Ion 70.00 (69.70 to 70.70): VN060914.D (-1500) (-)





#38

Carbon Tetrachloride

Concen: 6.483 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

PB128105

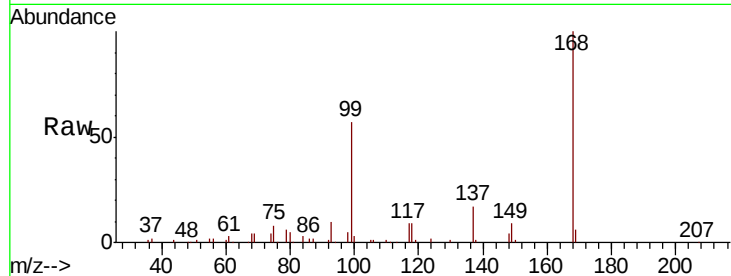
Tot Ion:117 Resp: 13937

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

121 0.0 23.7 35.5#

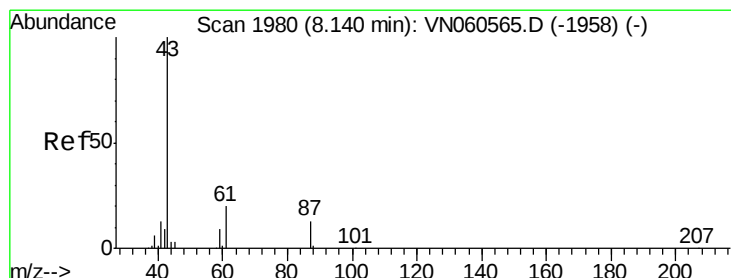
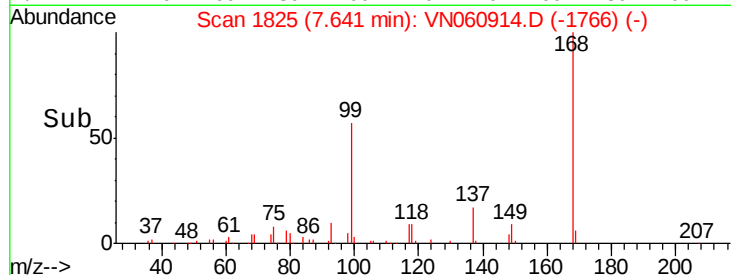
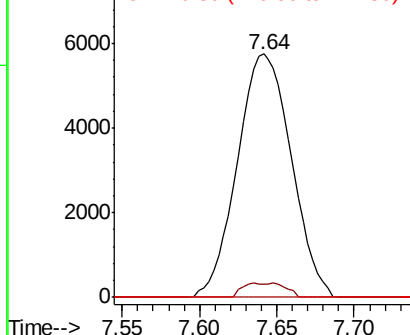


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 11.433 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

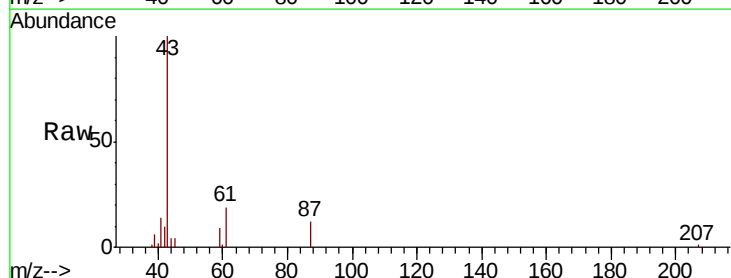
Tgt Ion: 43 Resp: 48865

Ion Ratio Lower Upper

43 100

61 19.0 20.7 31.1#

87 11.5 9.8 14.8

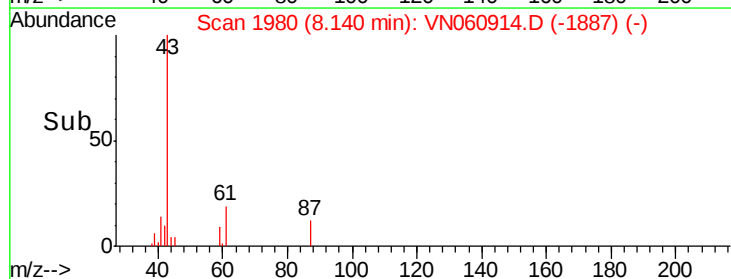
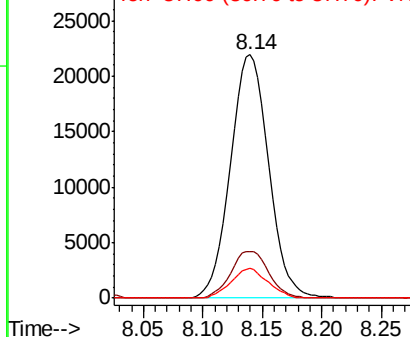


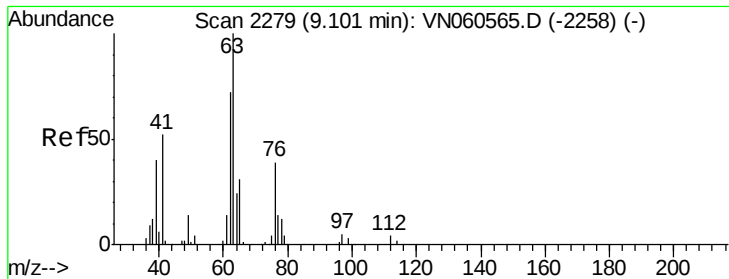
Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.410 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

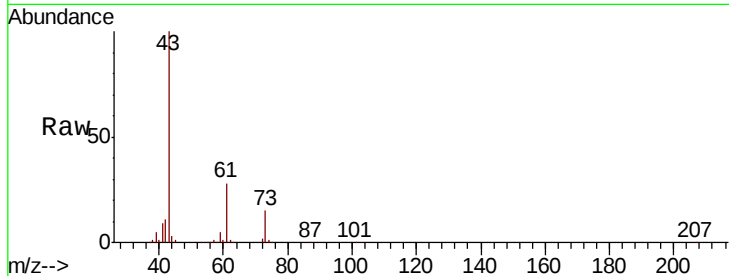
PB128105

Tot Ion: 63 Resp: 783

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.25

500

400

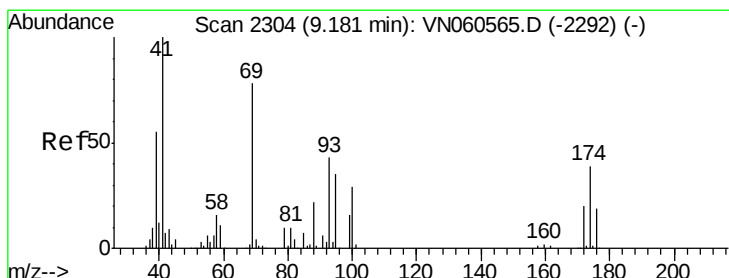
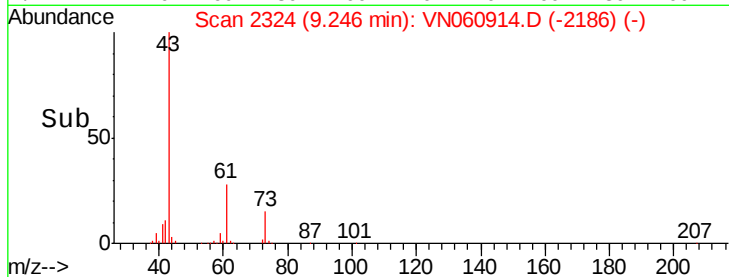
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 1.300 ug/l

RT: 9.16 min Scan# 2297

Delta R.T. -0.02 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

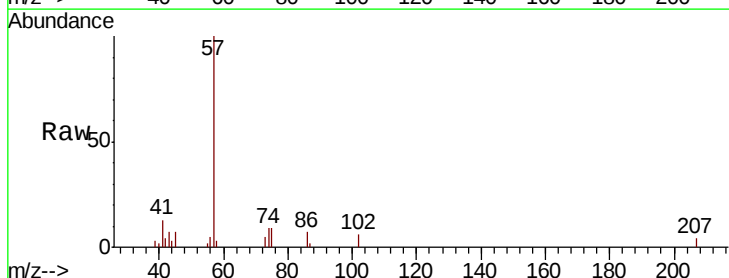
Tgt Ion: 41 Resp: 2474

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

39 0.0 44.0 66.0#



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

25000

20000

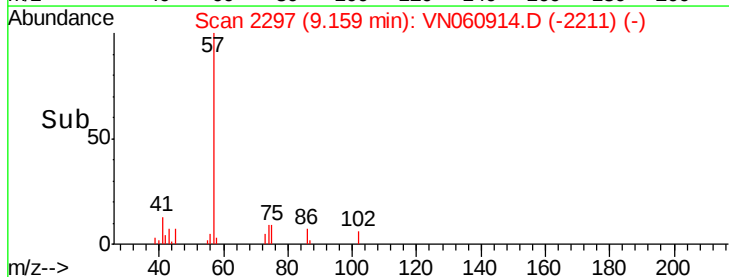
15000

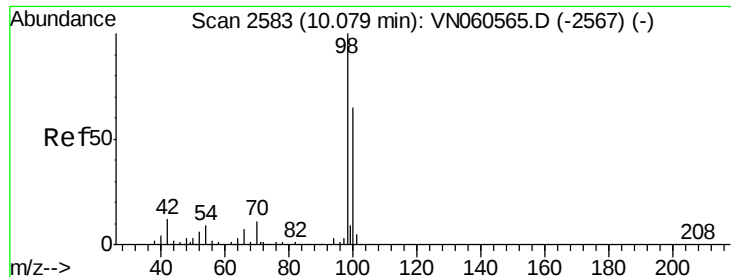
10000

5000

0

Time-->





#50

Toluene-d8

Concen: 49.997 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

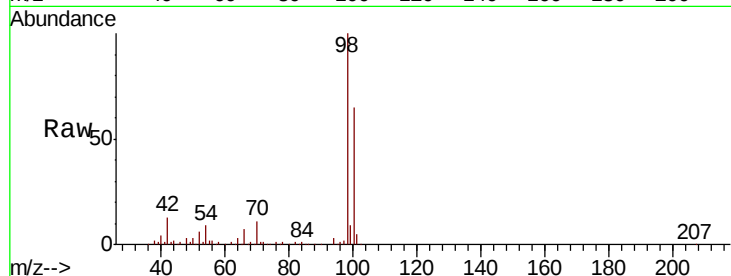
PB128105

Tot Ion: 98 Resp: 305867

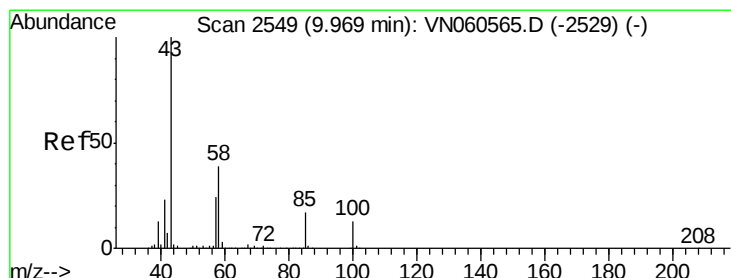
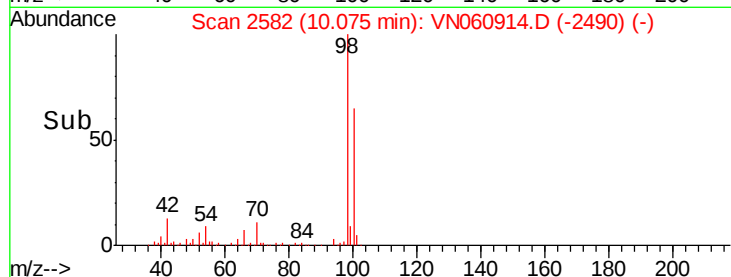
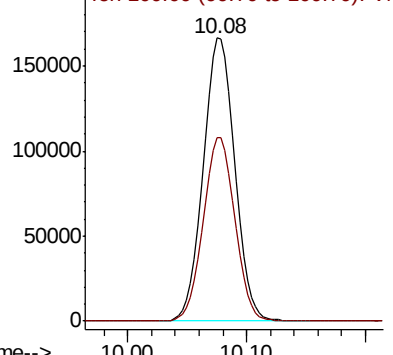
Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060914.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.859 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060914.D

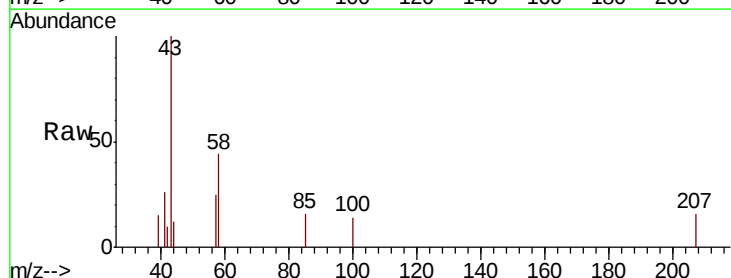
Acq: 13 Apr 2020 21:42

Tgt Ion: 43 Resp: 4521

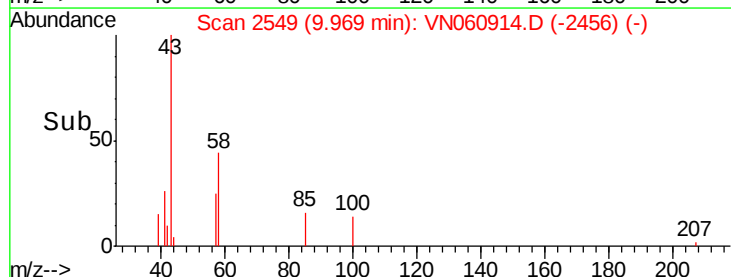
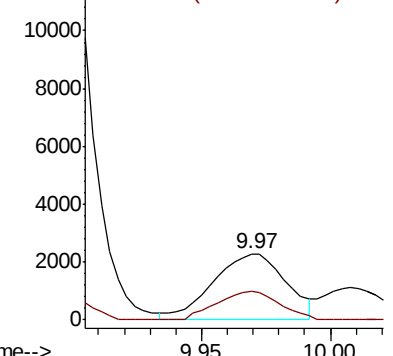
Ion Ratio Lower Upper

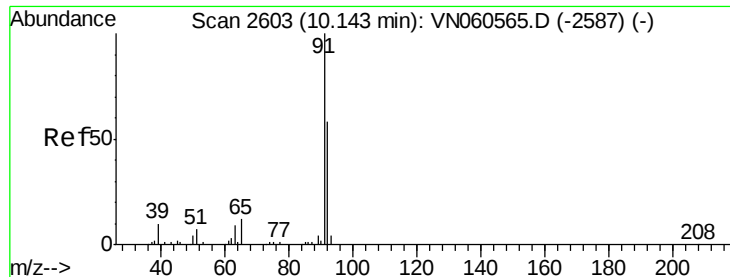
43 100

58 36.7 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060914.D (-2529) (-)





#52

Toluene

Concen: 0.272 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampled :

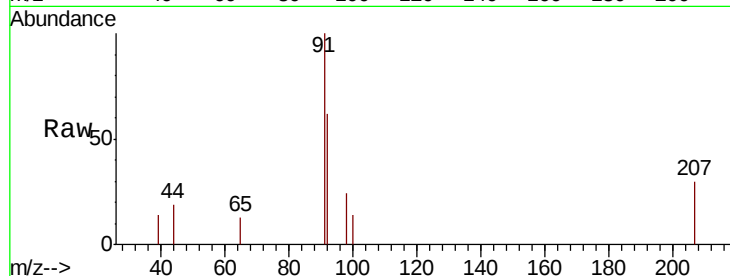
PB128105

Tot Ion: 92 Resp: 1188

Ion Ratio Lower Upper

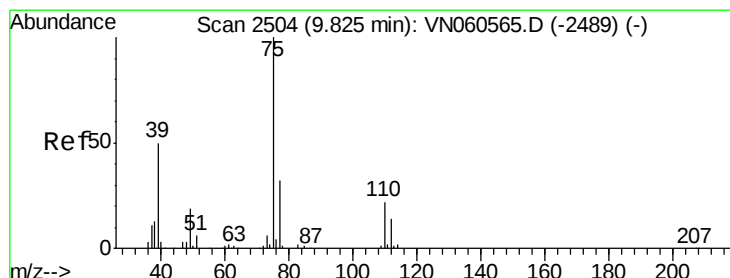
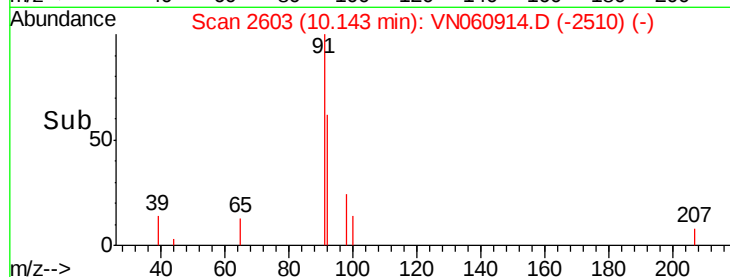
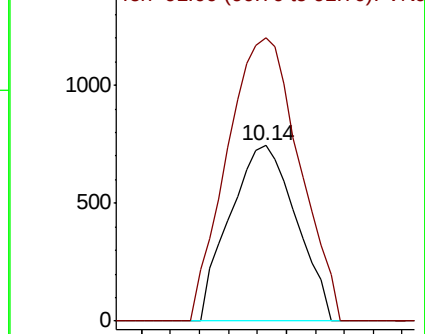
92 100

91 175.1 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060914.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060914.D (-2510) (-)



#54

cis-1,3-Dichloropropene

Concen: 6.699 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

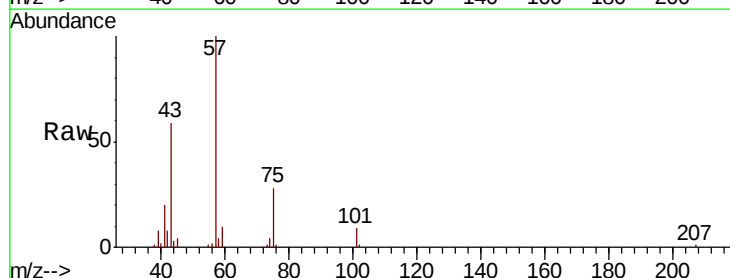
Tgt Ion: 75 Resp: 20262

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

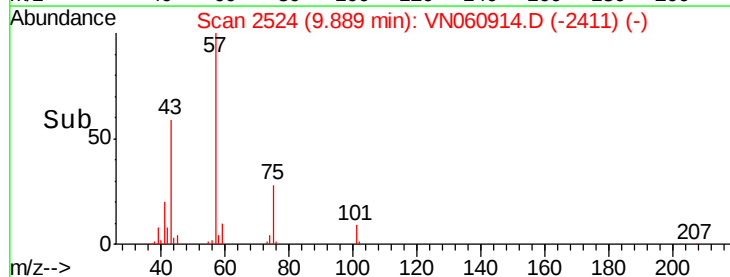
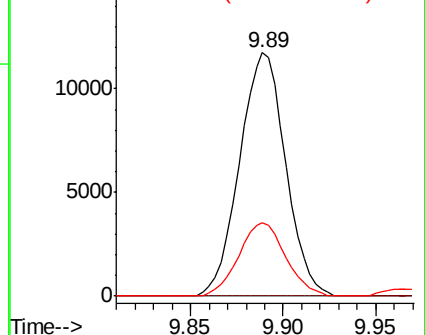
39 30.2 40.2 60.4#

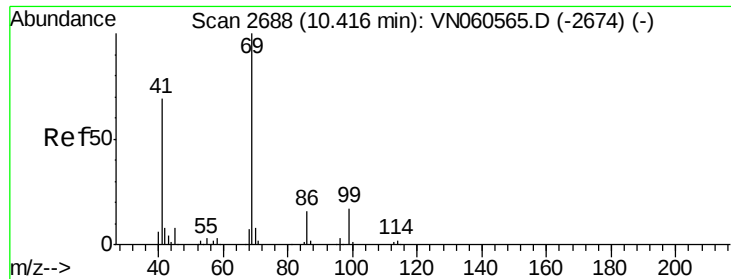


Abundance Ion 74.90 (74.60 to 75.60): VN060914.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060914.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060914.D (-2411) (-)





#56

Ethyl methacrylate

Concen: 0.206 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.12 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

PB128105

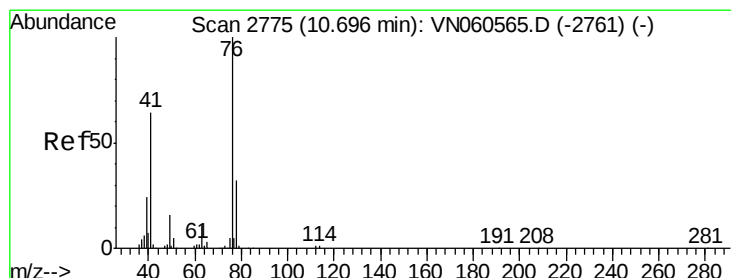
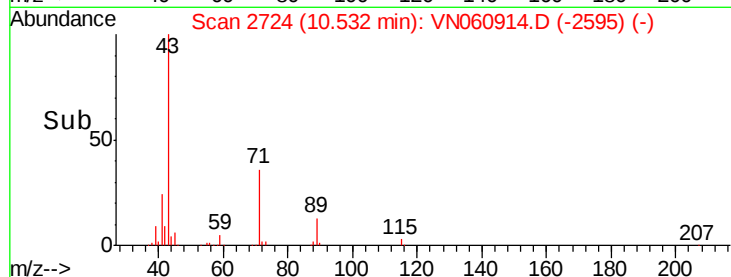
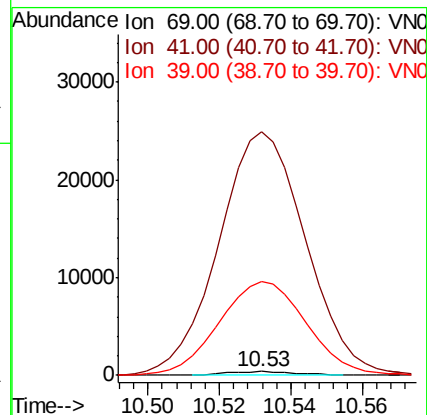
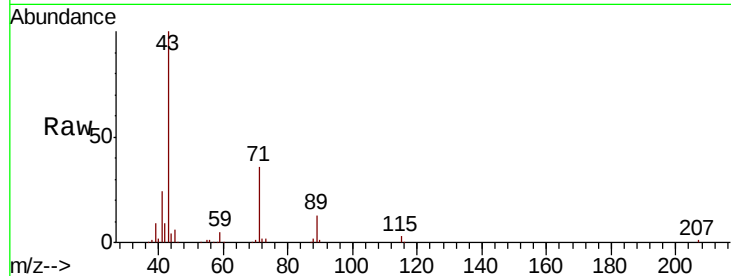
Tot Ion: 69 Resp: 541

Ion Ratio Lower Upper

69 100

41 7830.3 55.4 83.2#

39 3017.6 29.4 44.0#



#57

1,3-Dichloropropane

Concen: 1.145 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.05 min

Lab File: VN060914.D

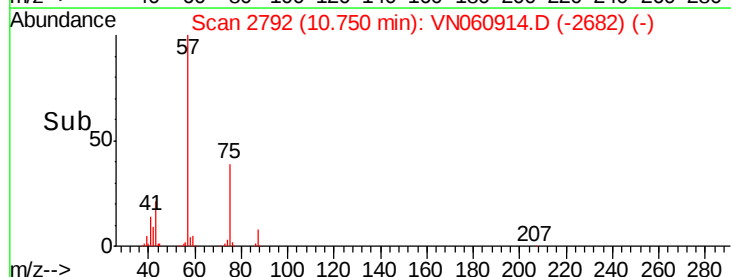
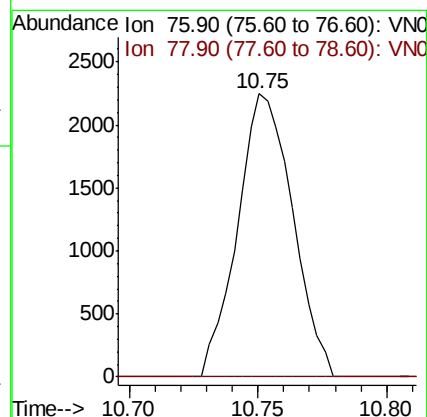
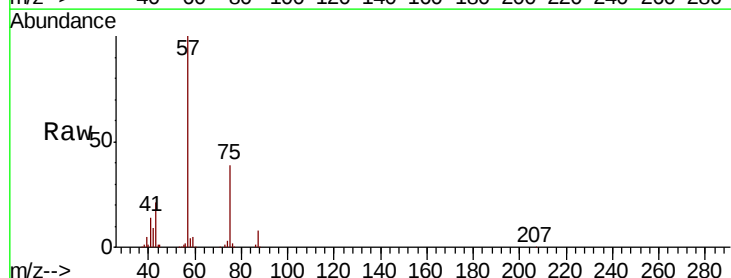
Acq: 13 Apr 2020 21:42

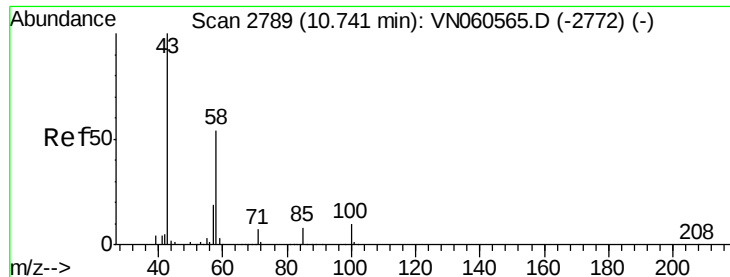
Tgt Ion: 76 Resp: 3342

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#

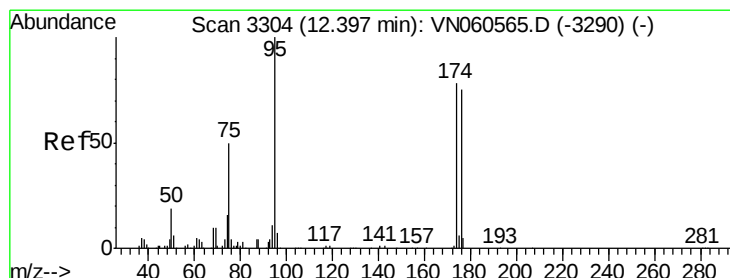
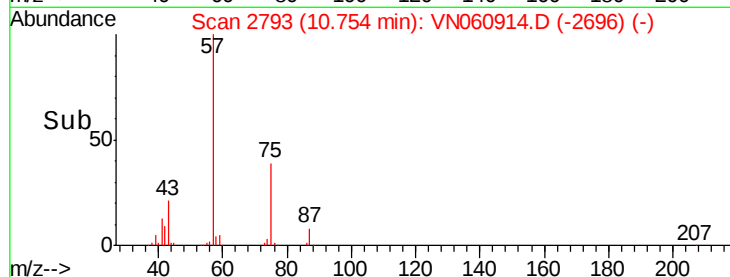
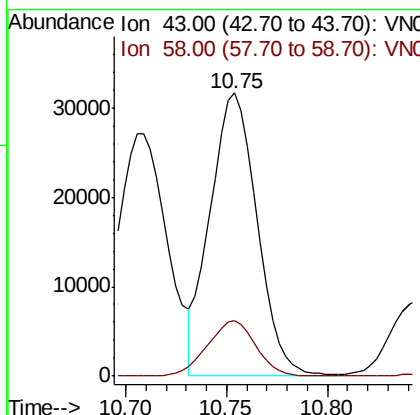
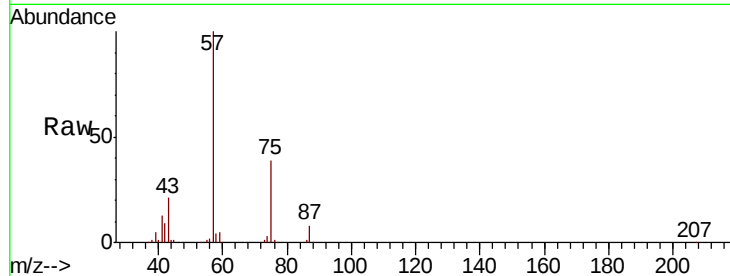




#59
2-Hexanone
Concen: 29.338 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060914.D
Acq: 13 Apr 2020 21:42

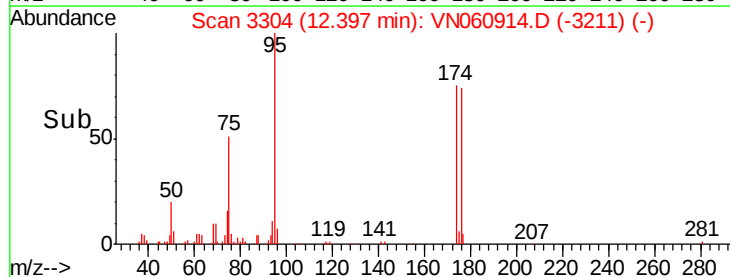
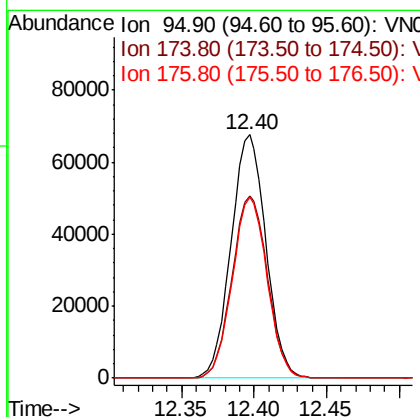
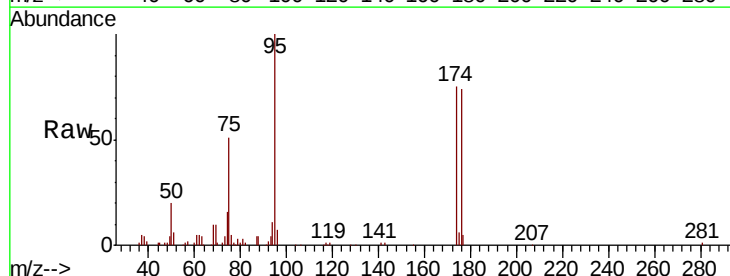
Instrument :
MSVOA_N
ClientSampleId :
PB128105

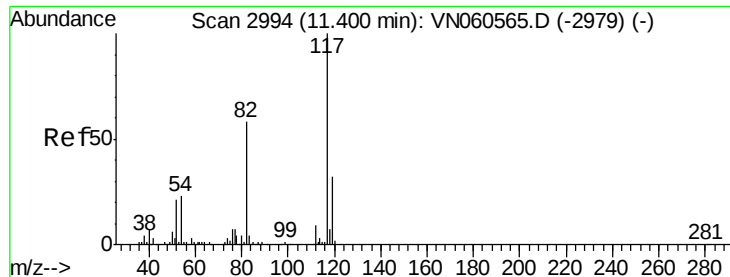
Tot Ion: 43 Resp: 51399
Ion Ratio Lower Upper
43 100
58 20.1 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.284 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060914.D
Acq: 13 Apr 2020 21:42

Tgt Ion: 95 Resp: 112738
Ion Ratio Lower Upper
95 100
174 76.4 0.0 157.6
176 74.2 0.0 150.6

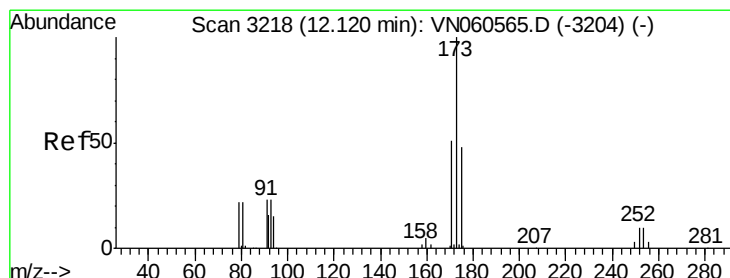
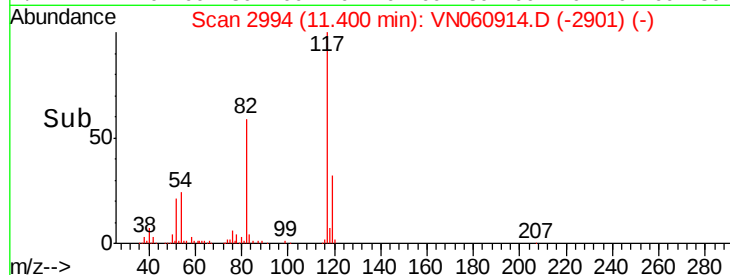
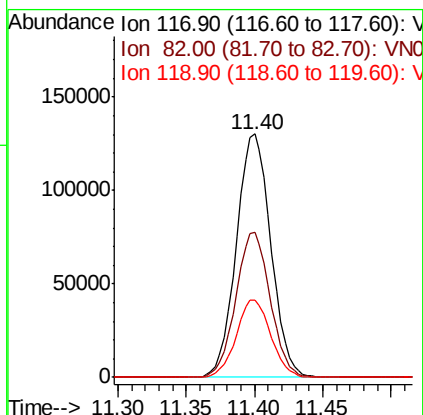
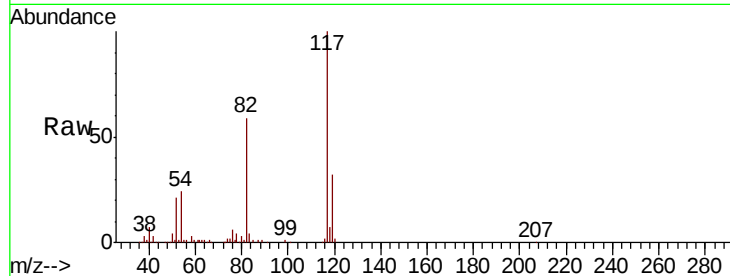




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060914.D
Acq: 13 Apr 2020 21:42

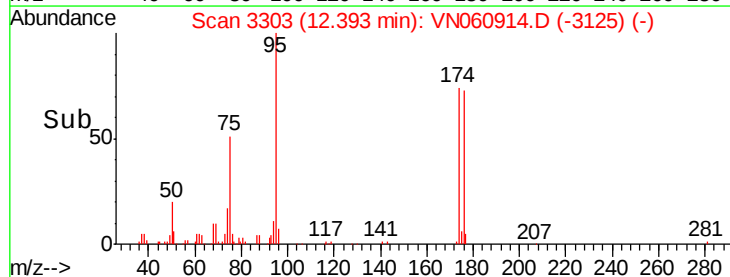
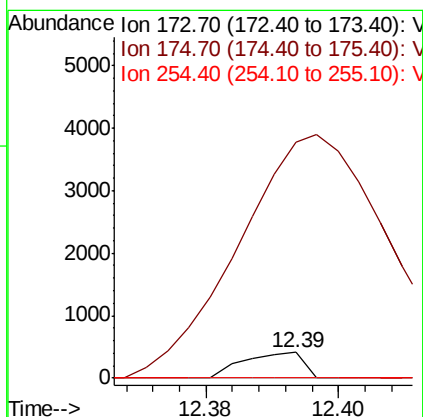
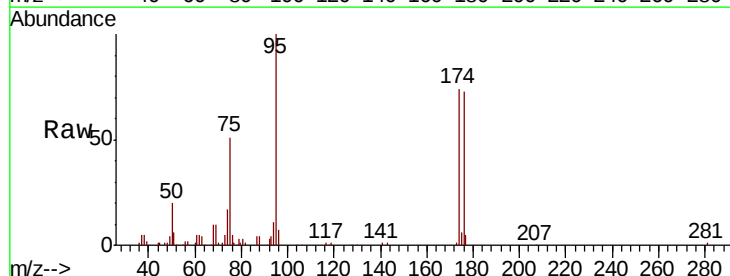
Instrument :
MSVOA_N
ClientSampleId :
PB128105

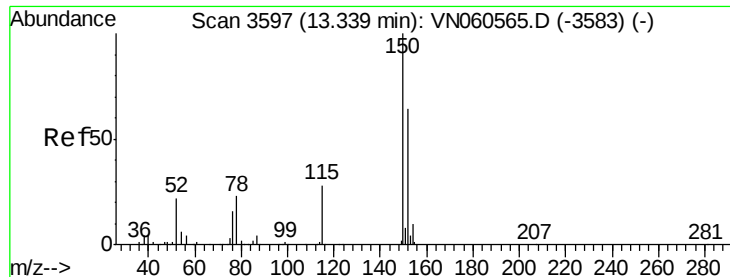
Tot Ion:117 Resp: 227885
Ion Ratio Lower Upper
117 100
82 59.4 46.7 70.1
119 31.8 25.5 38.3



#71
Bromoform
Concen: 1.863 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060914.D
Acq: 13 Apr 2020 21:42

Tgt Ion:173 Resp: 257
Ion Ratio Lower Upper
173 100
175 2058.4 24.1 72.4#
254 0.0 0.0 0.0

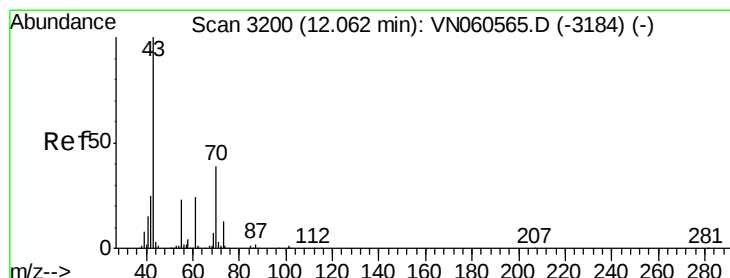
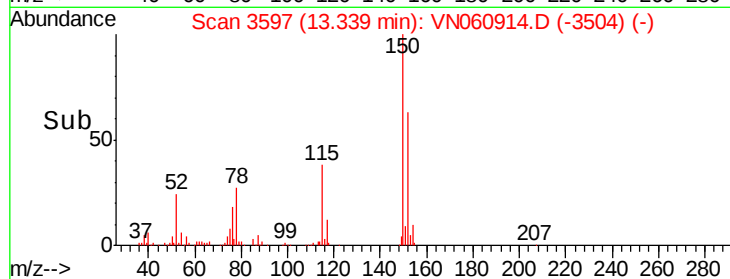
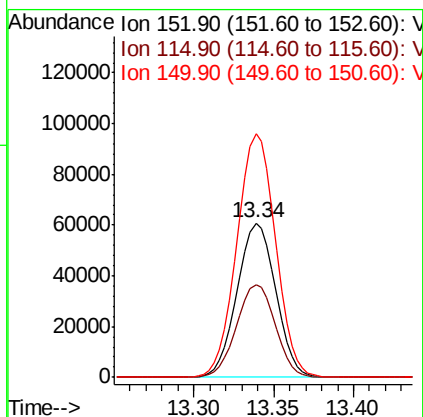
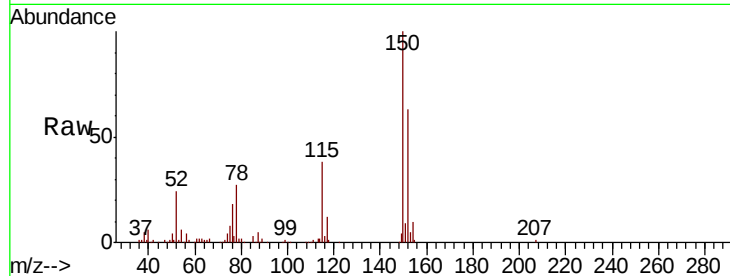




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN060914.D
 Acq: 13 Apr 2020 21:42

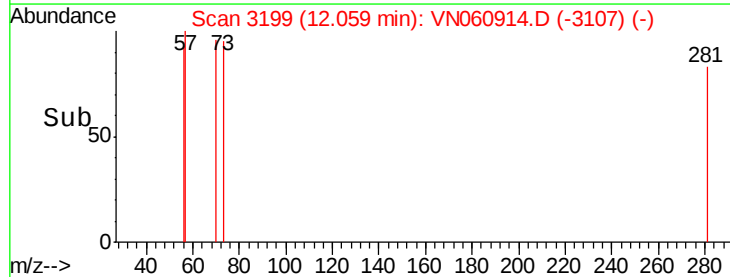
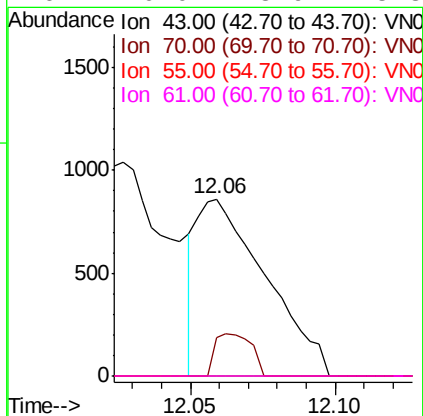
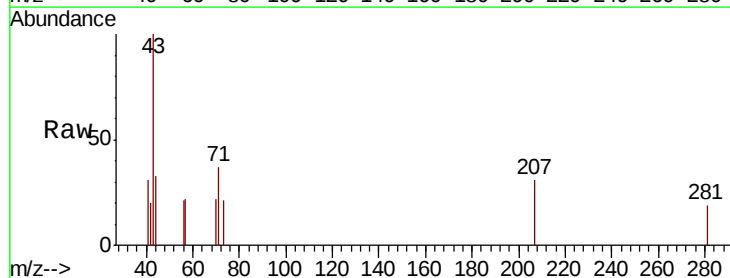
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128105

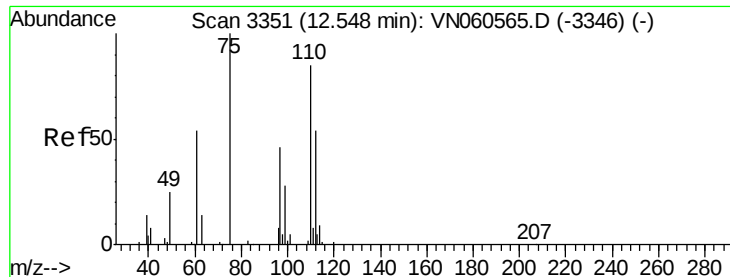
Tot Ion:152 Resp: 99825
 Ion Ratio Lower Upper
 152 100
 115 60.4 30.2 90.6
 150 158.3 0.0 350.2



#74
 N-ethyl acetate
 Concen: 0.409 ug/l
 RT: 12.06 min Scan# 3199
 Delta R.T. -0.00 min
 Lab File: VN060914.D
 Acq: 13 Apr 2020 21:42

Tgt Ion: 43 Resp: 1416
 Ion Ratio Lower Upper
 43 100
 70 12.5 31.1 46.7#
 55 0.0 18.6 27.8#
 61 0.0 18.9 28.3#





#76

1,2,3-Trichloropropane

Concen: 26.708 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

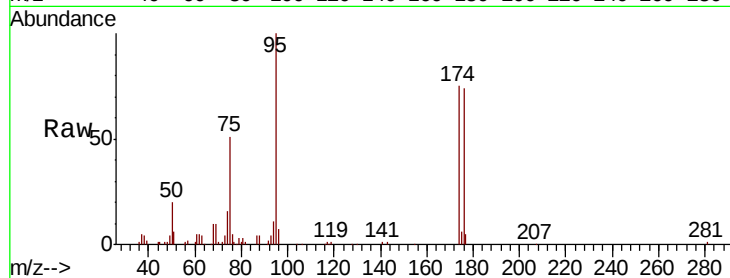
PB128105

Tot Ion: 75 Resp: 57529

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN060914.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN060914.D (-3304) (-)

12.40

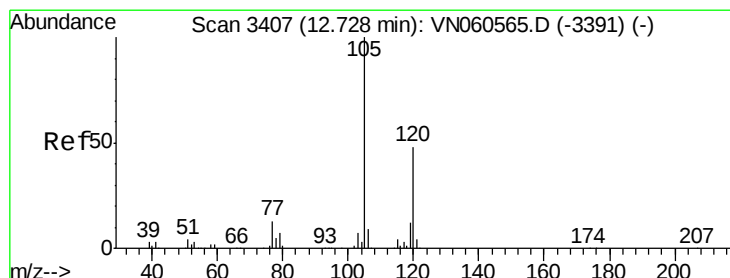
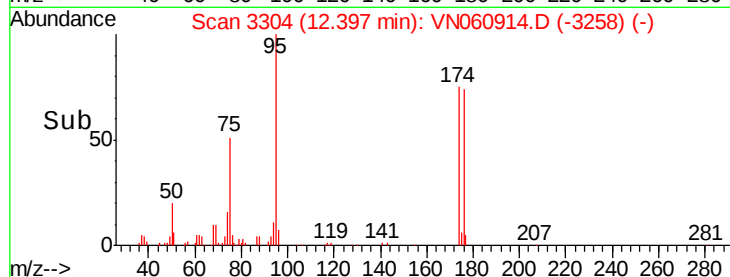
30000

20000

10000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.571 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060914.D

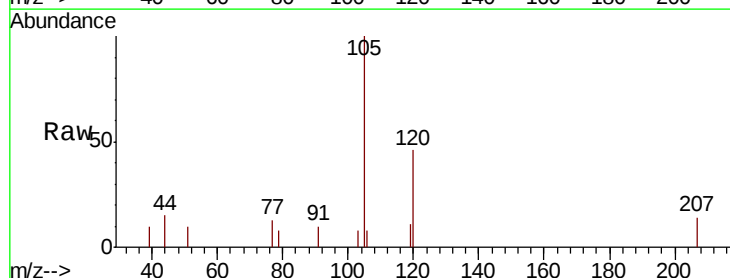
Acq: 13 Apr 2020 21:42

Tgt Ion: 105 Resp: 3627

Ion Ratio Lower Upper

105 100

120 43.2 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060914.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060914.D (-3391) (-)

12.73

2500

2000

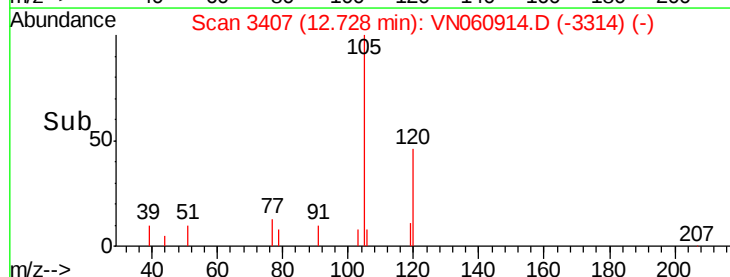
1500

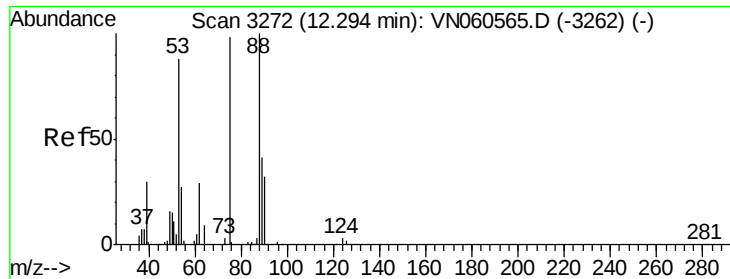
1000

500

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 68.594 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

PB128105

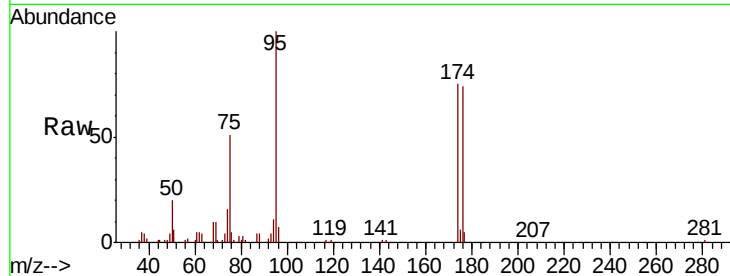
Tot Ion: 75 Resp: 57529

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

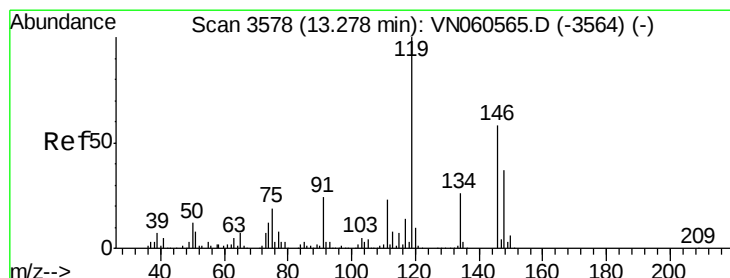
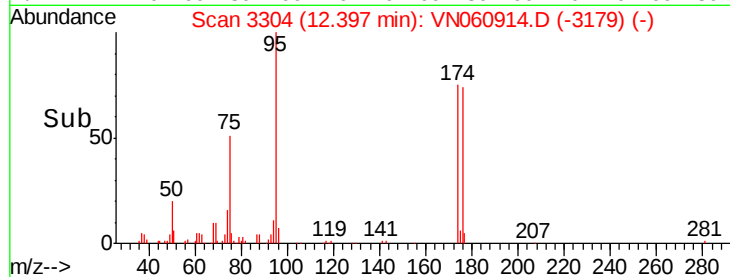
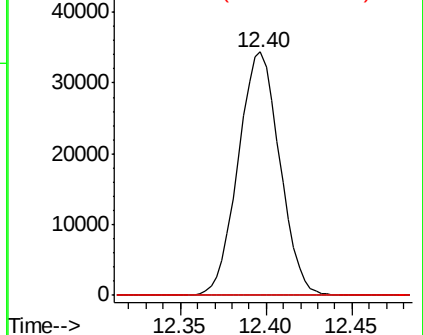
89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060914.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060914.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060914.D (-3179) (-)



#87

1,3-Dichlorobenzene

Concen: 0.223 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

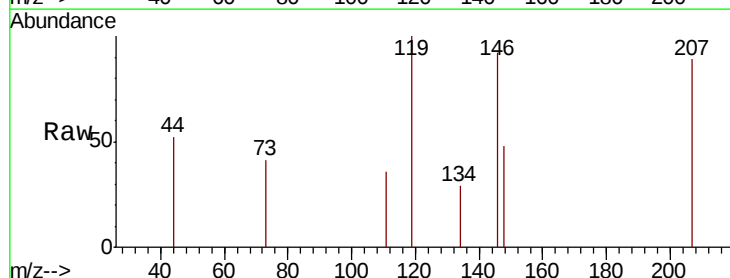
Tgt Ion: 146 Resp: 710

Ion Ratio Lower Upper

146 100

111 29.3 20.3 60.8

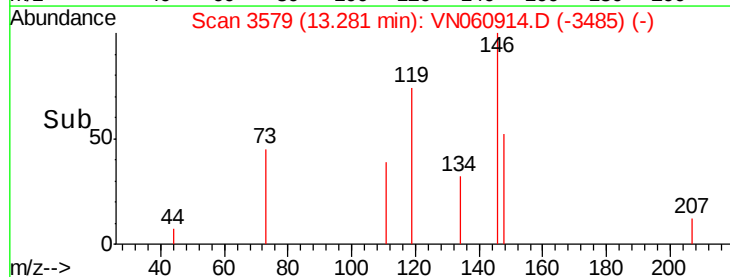
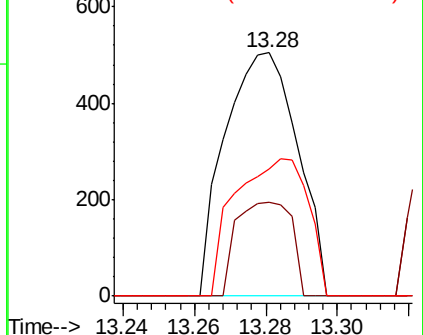
148 56.8 32.5 97.4

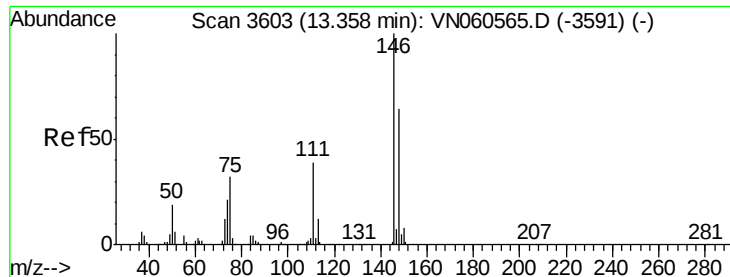


Abundance Ion 145.90 (145.60 to 146.60): VN060914.D (-3485) (-)

Ion 110.90 (110.60 to 111.60): VN060914.D (-3485) (-)

Ion 147.90 (147.60 to 148.60): VN060914.D (-3485) (-)





#88

1,4-Dichlorobenzene

Concen: 0.222 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

PB128105

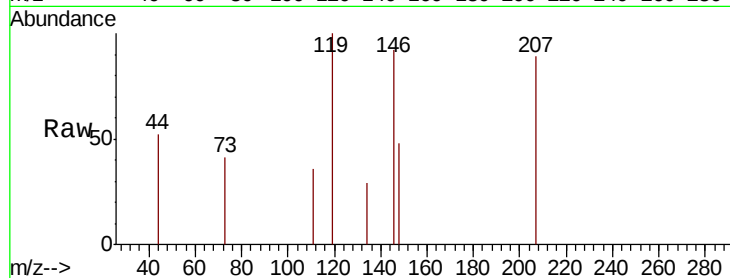
Tot Ion:146 Resp: 710

Ion Ratio Lower Upper

146 100

111 29.3 19.6 58.7

148 56.8 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.28

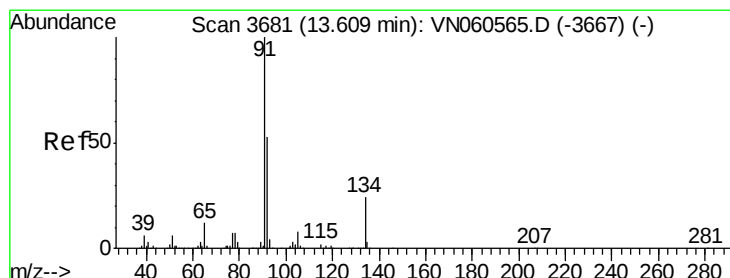
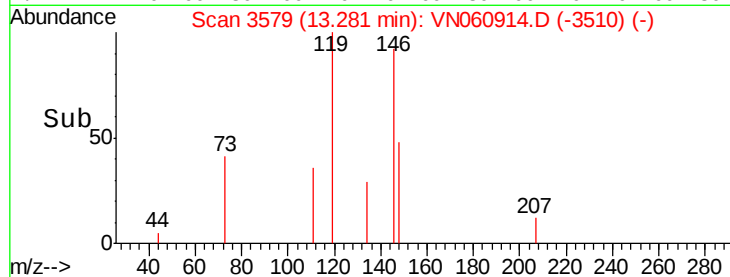
400

200

0

13.24 13.26 13.28 13.30

Time-->



#89

n-Butylbenzene

Concen: 0.275 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

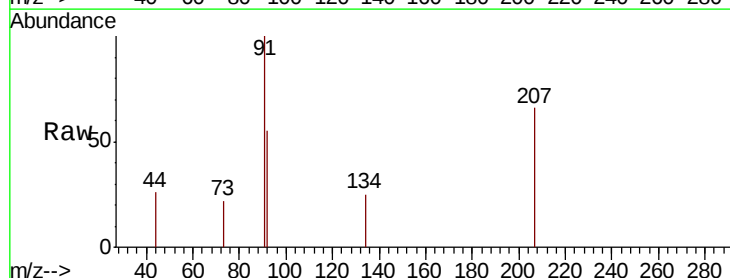
Tgt Ion: 91 Resp: 1583

Ion Ratio Lower Upper

91 100

92 55.4 26.2 78.5

134 20.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

13.61

1200

1000

800

600

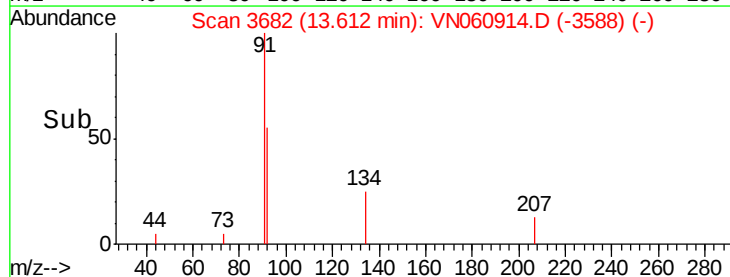
400

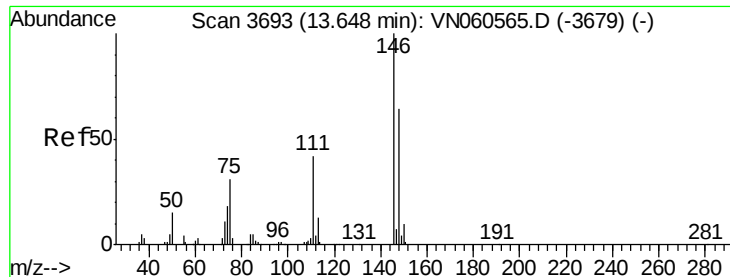
200

0

13.60 13.65

Time-->

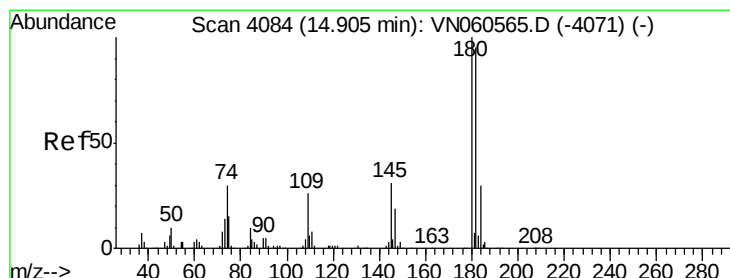
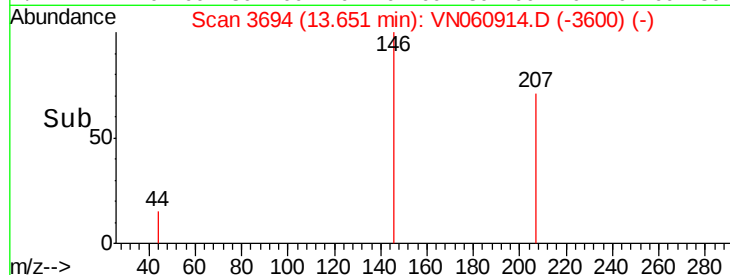
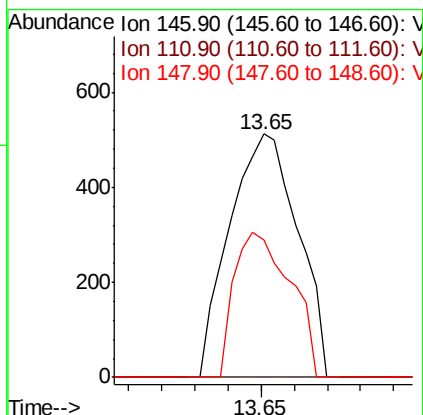
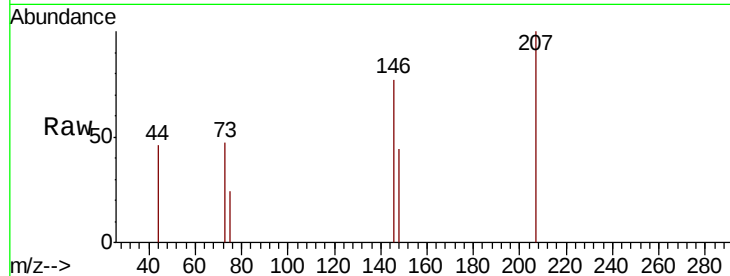




#91
 1,2-Dichlorobenzene
 Concen: 0.241 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060914.D
 Acq: 13 Apr 2020 21:42

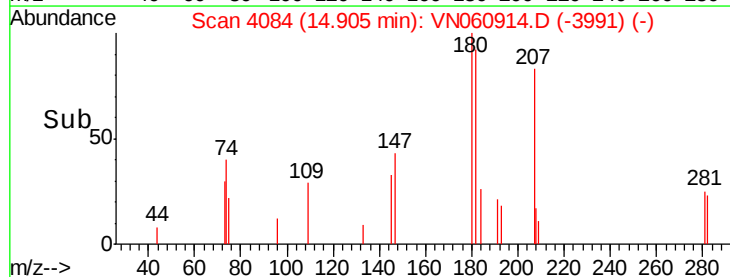
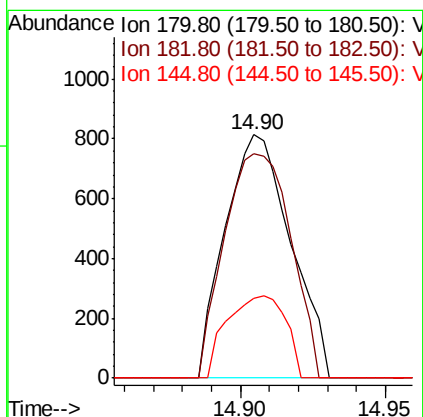
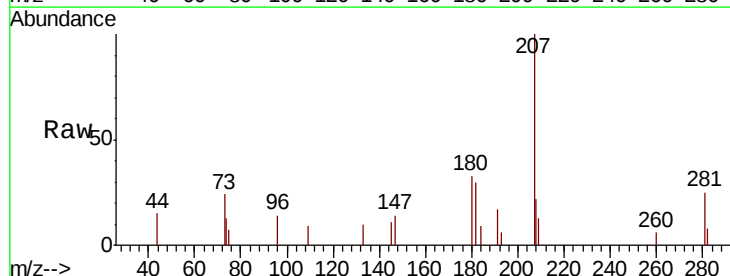
Instrument :
 MSVOA_N
 ClientSampleId :
 PB128105

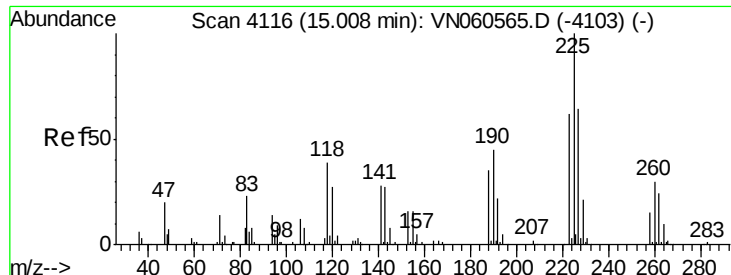
Tot Ion:146 Resp: 734
 Ion Ratio Lower Upper
 146 100
 111 0.0 21.0 63.0#
 148 49.0 31.9 95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 0.684 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060914.D
 Acq: 13 Apr 2020 21:42

Tgt Ion:180 Resp: 1279
 Ion Ratio Lower Upper
 180 100
 182 93.6 47.9 143.8
 145 30.2 15.4 46.2





#94

Hexachlorobutadiene

Concen: 0.427 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

Instrument :

MSVOA_N

ClientSampleId :

PB128105

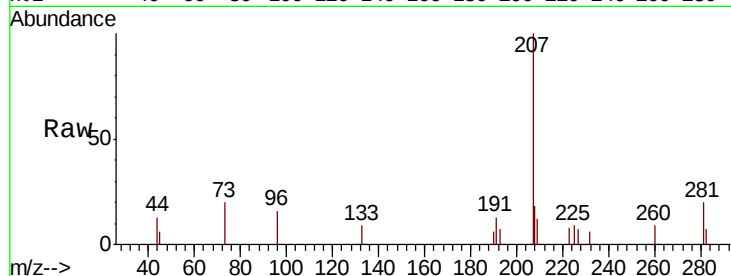
Tot Ion:225 Resp: 391

Ion Ratio Lower Upper

225 100

223 65.5 31.6 95.0

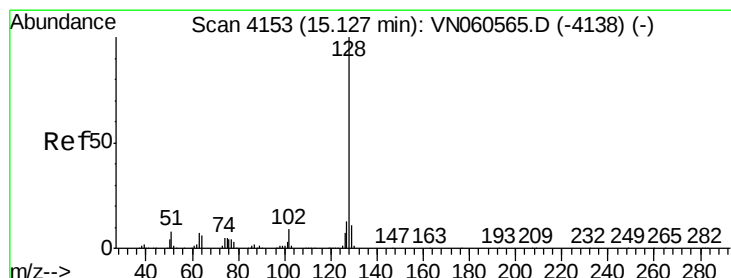
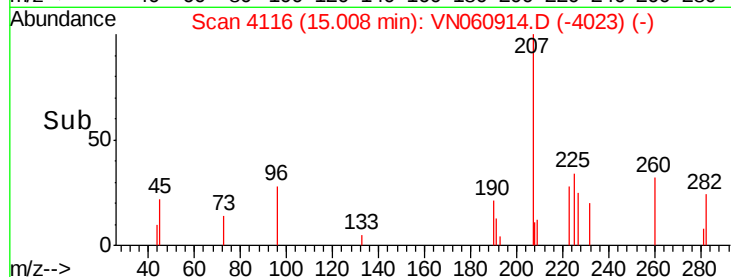
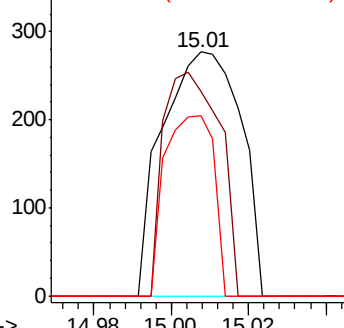
227 45.8 32.3 96.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.825 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060914.D

Acq: 13 Apr 2020 21:42

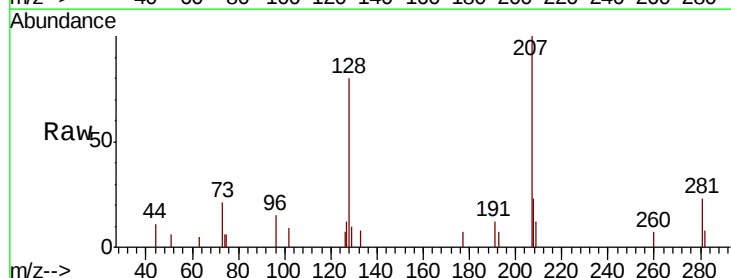
Tgt Ion:128 Resp: 4639

Ion Ratio Lower Upper

128 100

127 10.7 10.2 15.2

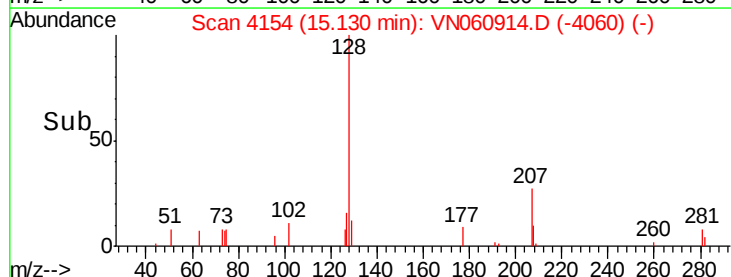
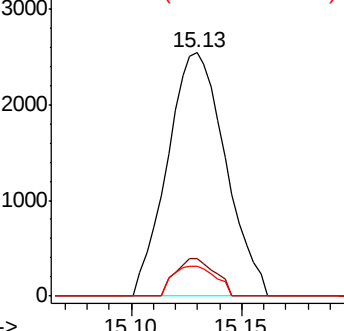
129 9.2 8.8 13.2

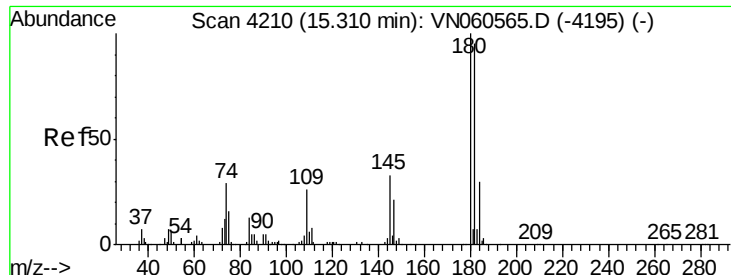


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.752 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.00 min
 Lab File: VN060914.D
 Acq: 13 Apr 2020 21:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PB128105

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.5	142.6
145	29.1	16.3	48.8

